



## Water Utility Services

Post Office Box 2570  
Waco, Texas 76702-2570  
254-750-8005  
Fax: 254-750-8074  
www.waco-texas.com

Date: 07/21/2023  
RFB No: 2023-043  
Commodity: North Interceptor Wastewater Improvement Phase 1 Project  
Purchasing Agent: Daryle Bullard

**Closing Time: 2:00 P.M. CST, Tuesday, July 25, 2023**

**Opening Time: 2:01 P.M. CST, Tuesday, July 25, 2023**

RFB Opening Location: Operations Center, Purchasing Services Office, 1415 N. 4<sup>th</sup> St., Waco, TX 76707

---

### **Addendum No: 4**

The above-mentioned RFB invitation has been changed in the following manner. **Sign and return addendum to the Purchasing Office by the closing time and date with your RFB response.** Returning this page signed by your authorized agent will serve to acknowledge this change. All other requirements of the invitation remain unchanged. If you have any questions, please call or stop by the Purchasing Office at the above address.

- 1. The following pages has details related to the questions that were asked as a part of this project. Please review and make your bid reflect the information.**
- 2. Plans**

Firm: \_\_\_\_\_

Address: \_\_\_\_\_

Signature of Person  
Authorized to Sign Bid: \_\_\_\_\_

Signor's Name and Title  
(print or type): \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Date: \_\_\_\_\_ Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

### **Questions and Answers:**

**We just received a request for this job and were wondering who will be responsible for obtaining the construction materials lab for this project? Will it be the city or another party? If it is the city will we also need to provide a SOQ along with the proposal?**

The City will be hiring out the material testing work through an outside lab. The company has already been selected and the hiring process is underway. The materials work will include soil density testing, concrete testing and other related material testing.

**I am reaching out to seek approval for Raci Casing Spacers to be used on the North Interceptor Wastewater project in Waco, TX.**

After our review and discussion with the engineer of record, Raci Casing Spacers will not be allowed for this project.

**Project plans (Drawing No. C016) show existing 8" & 16" Force Mains tie-in to 30" WW with 16" Gate Valves (Drawing No. C118). Is there a diversion plan in place for the Tie-In of the Force Mains?**

The existing 16" force main at Williams Road is not currently in use and will not be in use when the tie-in is made. Contractor is responsible for temporary flow handling / bypass to accommodate connection to existing 8" force main.

**Can we assume that existing force main lines (16" & 8") can be isolated independently to facilitate the tie-over? Meaning, can the 8" force main handle all the flows for a short period of time?**

The existing 16" force main at Williams Road is not currently in use. The existing 8" force main is active and conveys all the flow from the lift station. The two existing force mains combine into one 16" force main approximately 1,200 LF west of Williams Road near intersection of Texas Street and Highway 84. The 16" force main west of Texas Street is active and carries all flow from the lift station. City Record Drawings are attached for reference.

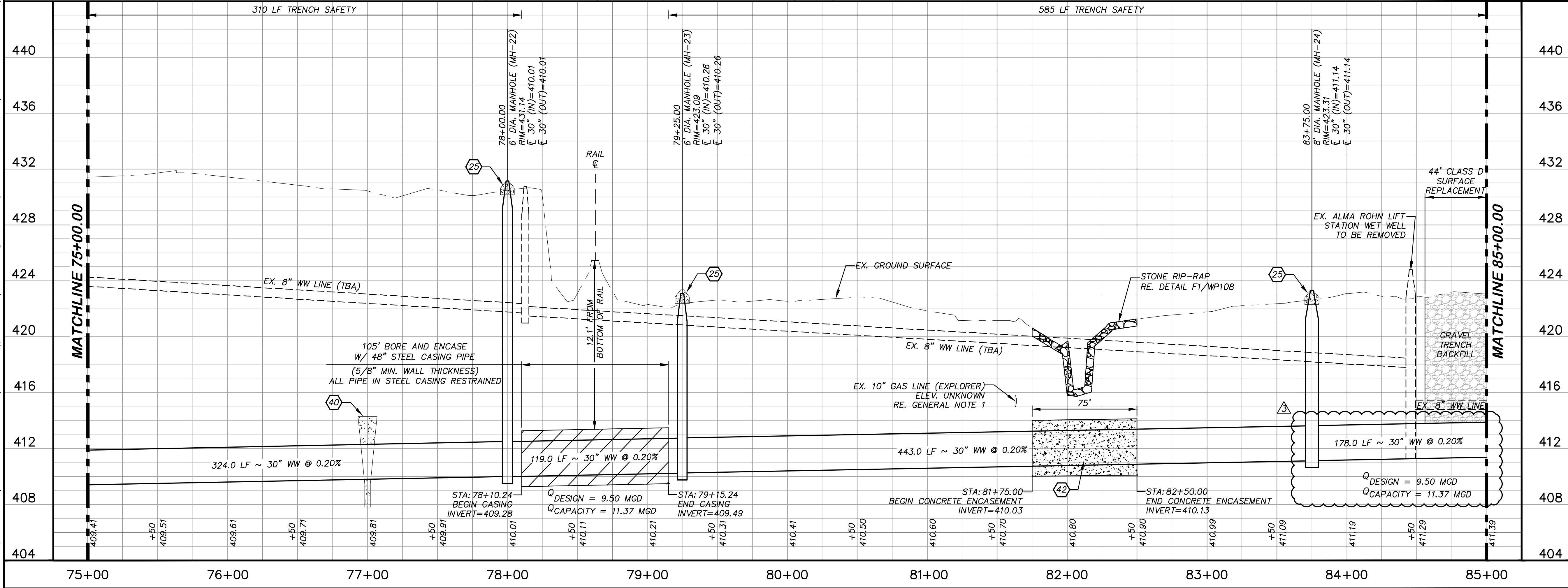
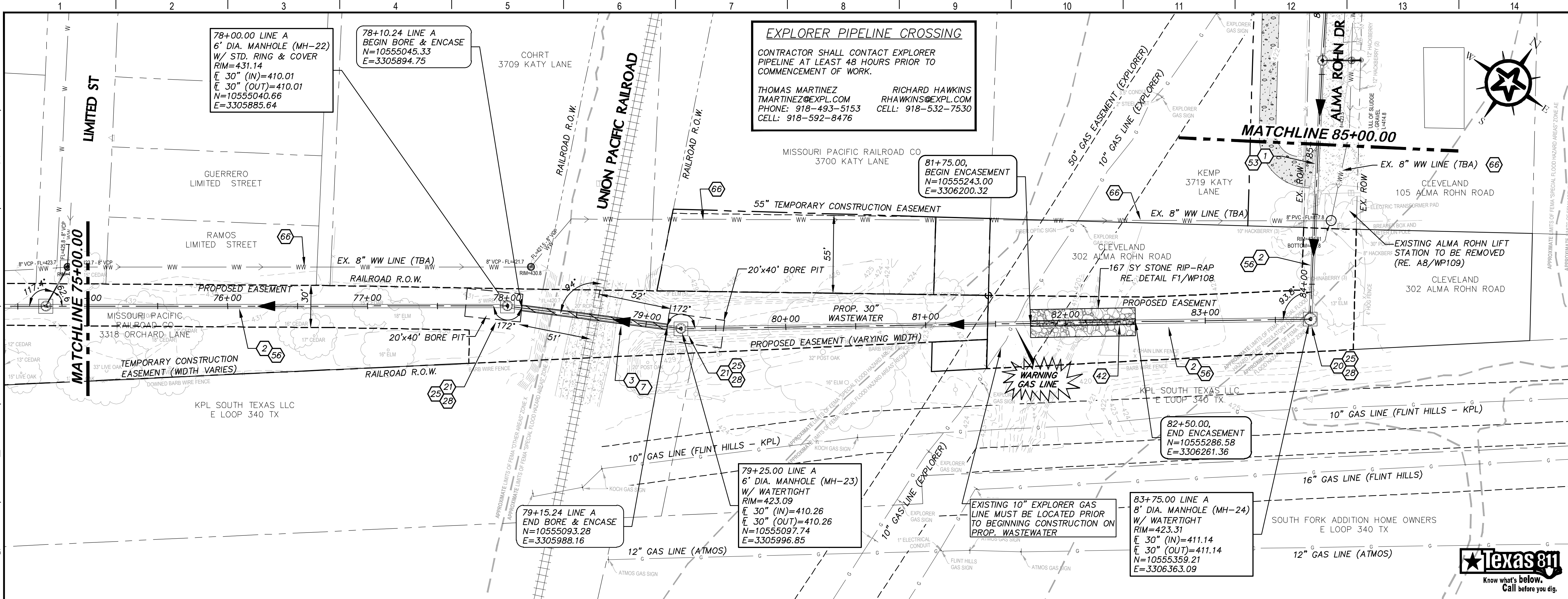
**What is the engineer's estimate for the construction of this project?**

\$18,300,000.00

**Changes to Drawings:**

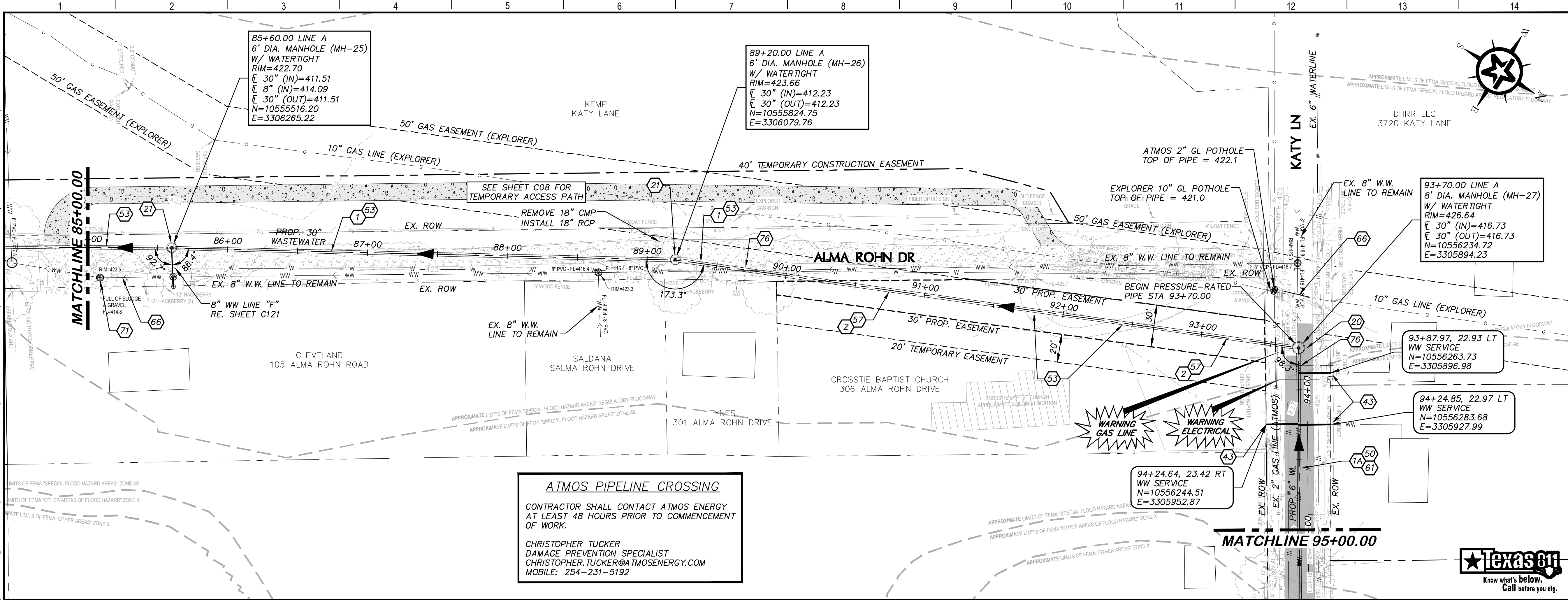
- 1) Replace Sheet C107 with the revised attached Sheet C107
  - a. Profile of 30" wastewater line has been adjusted from Sta. 83+75 to 85+00 and respective flow capacity values were changed accordingly.
- 2) Replace Sheet C108 with the revised attached Sheet C108
  - a. Profile of 30" wastewater line has been adjusted from Sta. 85+00 to 95+00 and respective flow capacity values were changed accordingly.
- 3) Replace Sheet C109 with the revised attached Sheet C109
  - a. Profile of 30" wastewater line has been adjusted from Sta. 95+00 to 102+25 and respective flow capacity values were changed accordingly.

G:\PROJECTS\1-02407\1-02407.02\2 DESIGN\2.0 CAO\1-02407.02 WASTEWATER P&P.DWG, C107 WASTEWATER PLAN & PROFILE STA. 75+00 - 85+00, 7/18/2023 1:09:44 PM, psexton





G:\PROJECTS\1-02407\1-02407.02 WASTEWATER P&P.DWG, C108 WASTEWATER PLAN & PROFILE STA. 85+00 - 95+00, 7/18/2023 1:10:06 PM, psexton



**ATMOS PIPELINE CROSSING**

CONTRACTOR SHALL CONTACT ATMOS ENERGY  
AT LEAST 48 HOURS PRIOR TO COMMENCEMENT  
OF WORK.

CHRISTOPHER TUCKER  
DAMAGE PREVENTION SPECIALIST  
CHRISTOPHER.TUCKER@ATMOSENERGY.COM  
MOBILE: 254-231-5192

- ### KEY NOTES
- 1 30" HOBAS ASTM D3262 SN 72 INCLUDING EXCAVATION AND ALL BACKFILL (STREET TRENCH) (ALL DEPTHS)
  - 1A 30" HOBAS ASTM D3754 (PRESSURE RATED) SN 72 INCL. EXCAVATION AND ALL BACKFILL (STREET TRENCH) (ALL DEPTHS)
  - 2 30" HOBAS ASTM D3262 SN 72 INCLUDING EXCAVATION AND ALL BACKFILL (OFF-STREET TRENCH) (ALL DEPTHS)
  - 20 8" DIAMETER MANHOLE, ALL DEPTHS, COMPLETE IN PLACE (INCLUDING STANDARD OR WATERTIGHT RING & COVER AS SHOWN)
  - 21 6" DIAMETER MANHOLE, ALL DEPTHS, COMPLETE IN PLACE (INCLUDING STANDARD OR WATERTIGHT RING & COVER AS SHOWN)
  - 40 WATER STOP (RE. DETAIL G6/D103)
  - 43 4" (MIN.) SANITARY SEWER SERVICE WITH 2-WAY CLEANOUT AND CONNECT TO PRIVATE SERVICE (RE. DETAIL S2/D100)
  - 50 CLASS "A" SURFACE REPLACEMENT (RE. CITY OF WACO DETAIL G-9/D103)
  - 53 CLASS "D" SURFACE REPLACEMENT (RE. CITY OF WACO DETAIL G-9/D103)
  - 57 INSTALL BLOCK SOD OVER DISTURBED AREA (MATCHING EXISTING GRASS TYPE)
  - 61 REMOVE EX. 8" WASTEWATER LINE AND DISPOSE OF PROPERLY OFFSITE
  - 66 ABANDON EX. 8" WW LINE IN PLACE BY FILLING COMPLETELY WITH FLOWABLE FILL
  - 71 REMOVE EX. SANITARY SEWER MANHOLE AND DISPOSE OF PROPERLY OFFSITE
  - 76 WATER AND SANITARY SEWER CROSSING (RE. CITY OF WACO DETAIL S-19/D102)

- ### GENERAL NOTES
1. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION.
  2. CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UNDERGROUND & ABOVE GROUND UTILITIES. ANY DAMAGE TO UNDERGROUND OR ABOVE GROUND UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
  3. CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL WATER SERVICES ACTIVE AND OPERATIONAL. DRIVEWAYS SHALL REMAIN OPEN AND ACCESSIBLE AFTER HOURS AND ON NO-WORK DAYS.
  5. ALL WORK WITHIN UNION PACIFIC RAILROAD ROW SHALL ADHERE TO LICENSE AGREEMENT.
  6. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITIES OWNING ANY POLES OR SIGNS OF THIS CONTRACT. BRACING AND PROTECTIVE MEASURES PER THE REQUIREMENTS OF THE SIGNS' OWNERS SHALL BE PROVIDED BY THE CONTRACTOR, AND SHALL BE CONSIDERED SUBSIDIARY TO THE WORK.



3	ADDENDUM #3	07/18/23
REV.	DESCRIPTION	DATE



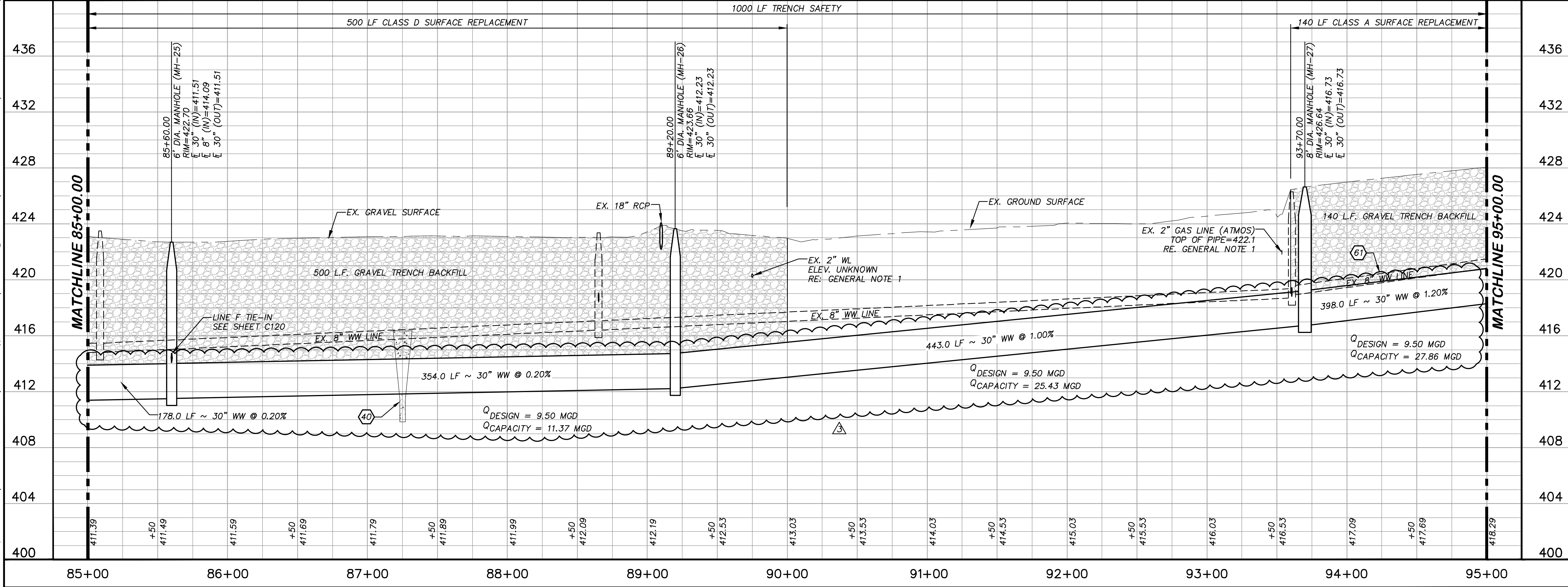
## NORTH INTERCEPTOR WW IMPROVEMENTS - PHASE I

### WASTEWATER PLAN & PROFILE

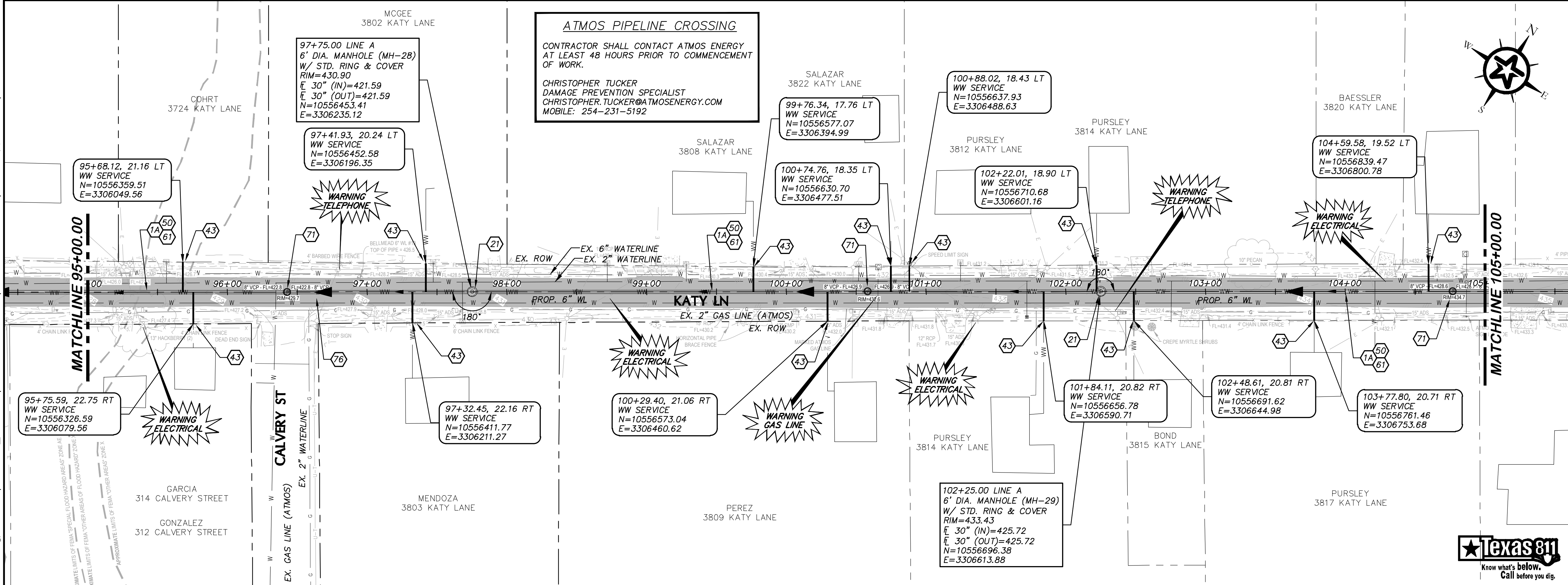
STA. 85+00 - 95+00

05-12-2023  
DATE  
KYLE D. SCHULZE, P.E.

	PM	KDS
	DESIGNED	KDS
	DRAFTED	PES
	CHECKED	KDS
	WIP PROJECT NO.	1-02407.02
	COW PROJECT NO.	62WM2103
	DRAWING NO.	C108



G:\PROJECTS\1-02407\1-02407.02\2 DESIGN\2.0 CAO\1-02407.02 WASTEWATER P&P.DWG, C109 WASTEWATER PLAN & PROFILE STA. 95+00 - 105+00, 7/18/2023 1:10:26 PM, jpsxton



### KEY NOTES

- 30" HOBAS ASTM D3754 (PRESSURE RATED) SN 72 INCL. EXCAVATION AND ALL BACKFILL (STREET TRENCH) (ALL DEPTHS)
- 6" DIAMETER MANHOLE, ALL DEPTHS, COMPLETE IN PLACE (INCLUDING STANDARD OR WATERTIGHT RING & COVER AS SHOWN)
- 4" (MIN.) SANITARY SEWER SERVICE WITH 2-WAY CLEANOUT AND CONNECT TO PRIVATE SERVICE (RE: DETAIL S2/D100)
- CLASS "A" SURFACE REPLACEMENT (RE: CITY OF WACO DETAIL G-9/D103)
- REMOVE EX. 8" WASTEWATER LINE AND DISPOSE OF PROPERLY OFFSITE
- REMOVE EX. SANITARY SEWER MANHOLE AND DISPOSE OF PROPERLY OFFSITE
- WATER AND SANITARY SEWER CROSSING (RE: CITY OF WACO DETAIL S-19/D102)

### GENERAL NOTES

- CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS AND ELEVATIONS OF EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION.
- CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL UNDERGROUND & ABOVE GROUND UTILITIES. ANY DAMAGE TO UNDERGROUND OR ABOVE GROUND UTILITIES WILL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR IS RESPONSIBLE FOR KEEPING ALL WATER SERVICES ACTIVE AND OPERATIONAL.
- DRIVEWAYS SHALL REMAIN OPEN AND ACCESSIBLE AFTER HOURS AND ON NO-WORK DAYS.
- ALL WORK WITHIN UNION PACIFIC RAILROAD ROW SHALL ADHERE TO LICENSE AGREEMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITIES OWNING ANY POLES OR SIGNS OF THIS CONTRACT. BRACING AND PROTECTIVE MEASURES PER THE REQUIREMENTS OF THE SIGNS' OWNERS SHALL BE PROVIDED BY THE CONTRACTOR, AND SHALL BE CONSIDERED SUBSIDIARY TO THE WORK.

0 20 40 80  
GRAPHIC SCALE (FEET)

ADDENDUM #3	07/18/23	
REV.	DESCRIPTION	DATE
3		

Walker Partners  
engineers | surveyors  
T.B.P.E. Registration No. 8053

CITY OF WACO

NORTH INTERCEPTOR WW IMPROVEMENTS - PHASE I

WASTEWATER PLAN & PROFILE

STA. 95+00 - 105+00

05-12-2023  
DATE

*Kyle D. Schulze, P.E.*  
KYLE D. SCHULZE

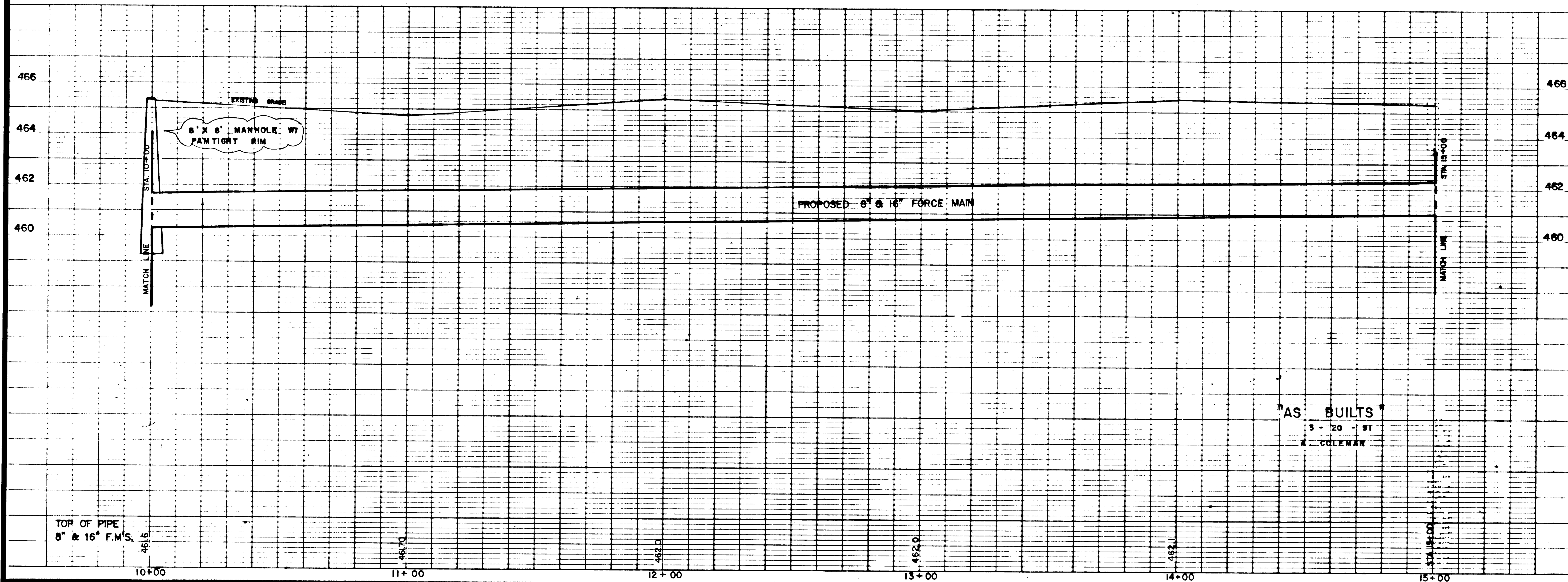
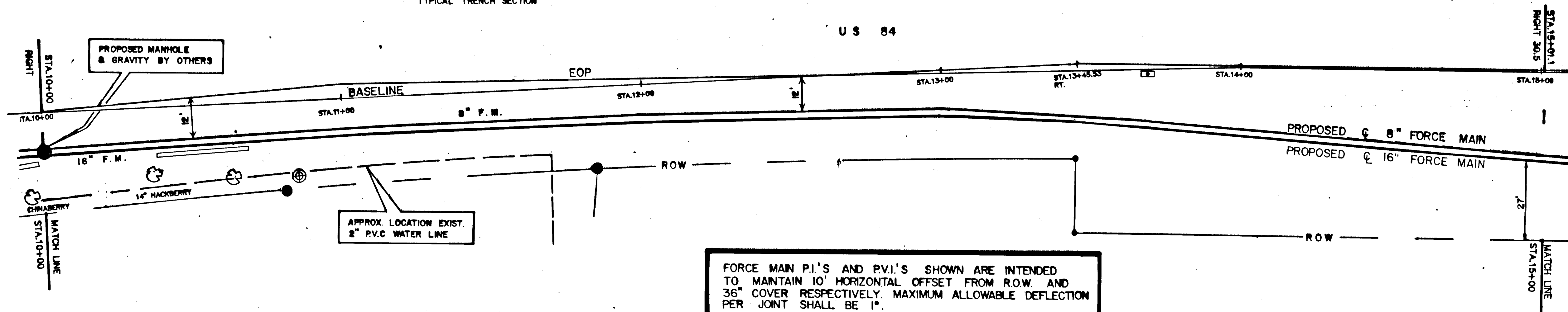
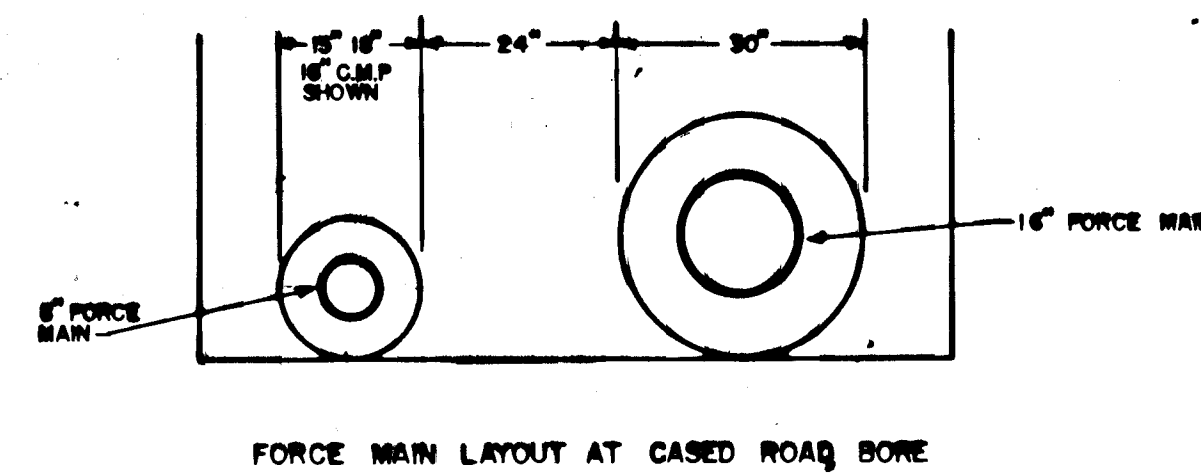
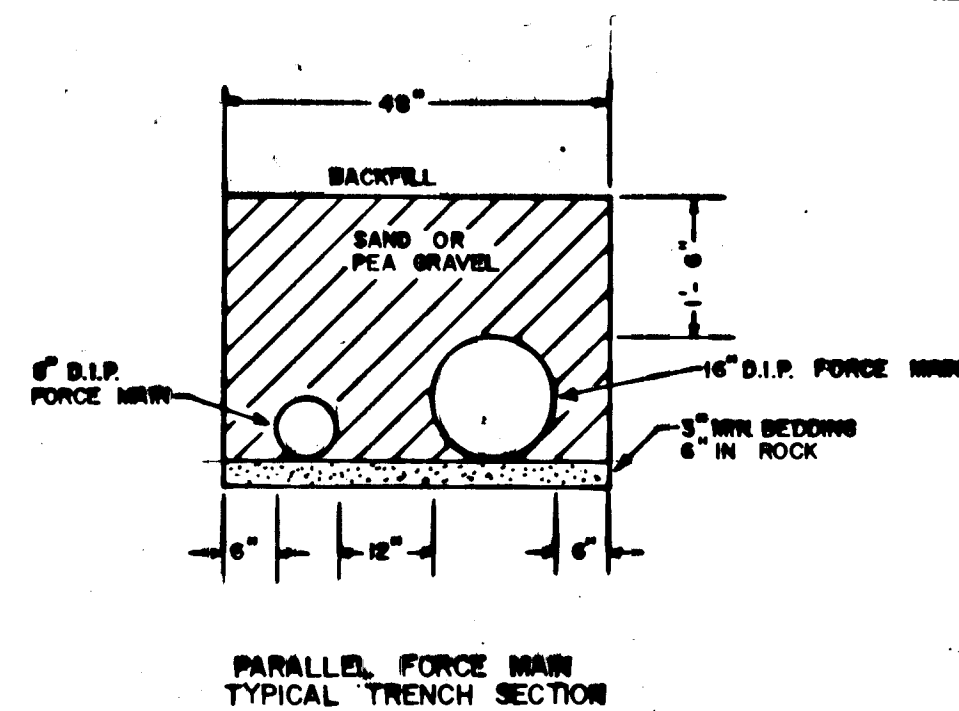
PM	KDS
DESIGNED	KDS
DRAFTED	PES
CHECKED	KDS
WIP PROJECT NO.	1-02407.02
COW PROJECT NO.	62WM2103

KYLE D. SCHULZE  
116026  
LICENSED PROFESSIONAL ENGINEER

DRAWING NO.  
**C109**



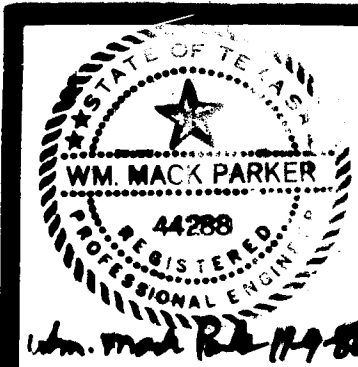
- NOTE: 1. OFFSET DISTANCES SHOWN FROM BASELINE TO CENTER LINE OF PROPOSED 16" FORCE MAIN.
2. CONTRACTOR SHALL MOVE EXISTING 24" R.C.P. CULVERTS AS REQUIRED AND REPLACE WITH NEW 24" R.C.P. CULVERTS.
3. SAW CUT EXISTING ASPHALT DRIVES AND REPLACE ASPHALT.
4. REPLACE EXISTING GRAVEL DRIVES WITH COMPACTED GRAVEL.



LEGEND

- |                                                                                                                                 |                                                                                                                                                                |                                                                                                                                                                                                 |                                                                                                                                                                                 |                                                                                                                                                         |                                                                                                                                                                                    |                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>● BENCHMARK</li> <li>⊕ PROPOSED FIRE HYDRANT</li> <li>⊕ EXISTING FIRE HYDRANT</li> </ul> | <ul style="list-style-type: none"> <li>● PROPOSED GATE VALVE</li> <li>● EXISTING GATE VALVE</li> <li>● PROPOSED MANHOLE</li> <li>● EXISTING MANHOLE</li> </ul> | <ul style="list-style-type: none"> <li>● EXISTING TELEPHONE CABLE ROUTE SIGN</li> <li>● PROPOSED WATER METER</li> <li>● EXISTING WATER METER</li> <li>● EXISTING TELEPHONE CABLE BOX</li> </ul> | <ul style="list-style-type: none"> <li>● EXIST. UTILITY POLE, ELECTRIC OR TELEPHONE</li> <li>— CHAIN LINK FENCE</li> <li>— BARBED WIRE FENCE</li> <li>— WOODEN FENCE</li> </ul> | <ul style="list-style-type: none"> <li>— EXISTING TRAFFIC OR STREET SIGN</li> <li>— PROPOSED WATER SERVICE</li> <li>— EXISTING WATER SERVICE</li> </ul> | <ul style="list-style-type: none"> <li>— PROPOSED WASTEWATER SERVICE</li> <li>— EXISTING WASTEWATER SERVICE</li> <li>● PROPOSED CLEAN OUT</li> <li>● EXISTING CLEAN OUT</li> </ul> | <ul style="list-style-type: none"> <li>ALL EASEMENTS</li> <li>ALL EXIST. W. &amp; W.W. LINES</li> <li>CENTERLINE</li> <li>FLOWLINE (W/CH)</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.



DESIGNED BY:  
W.M.P.

JOB NO:  
5008 - 02

DATE:  
AUGUST 1988

TST INDUSTRIAL AREA  
LIFT STATION AND FORCE MAIN  
WACO, TEXAS

JONES AND NEUSE, INC.  
Engineering and Environmental  
Consultants

CHECKED BY:  
R.E.W.

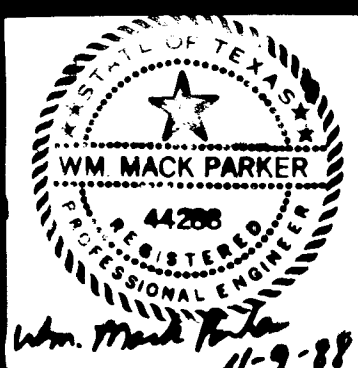
DRAWN BY:  
B.K.B.

SCALE:  
VERT.: 1" = 2'  
HORIZ.: 1" = 20'

Sheet

1 OF 37

S-2003



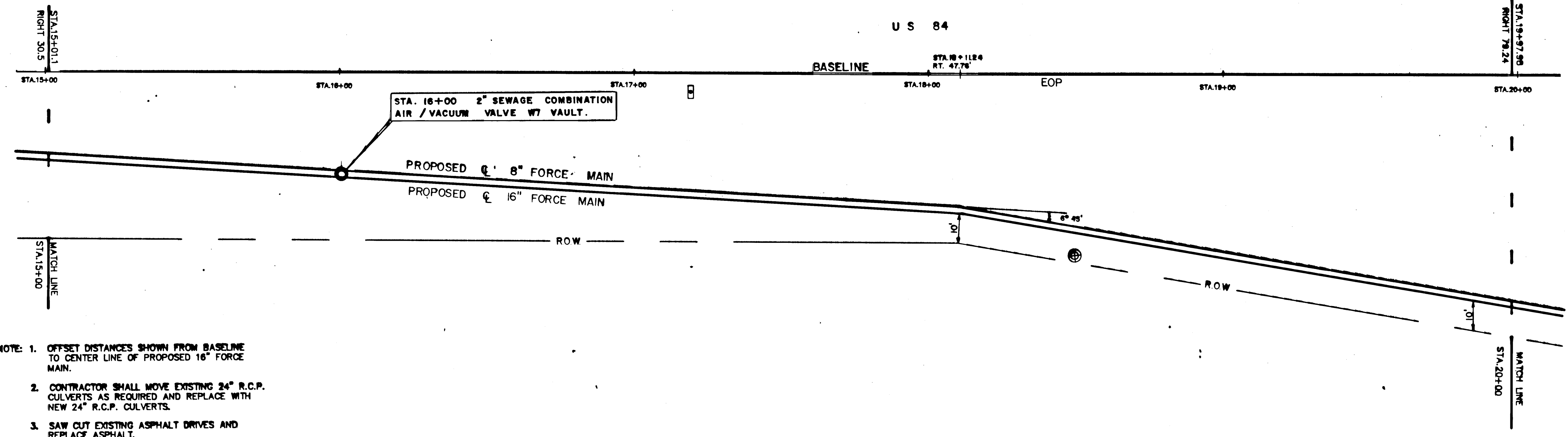
DESIGNED BY:  
W.M.P.  
JOB NO:  
5008 - 02  
DATE:  
AUGUST 1988

TSTI INDUSTRIAL AREA  
LIFT STATION AND FORCE MAIN  
WACO, TEXAS

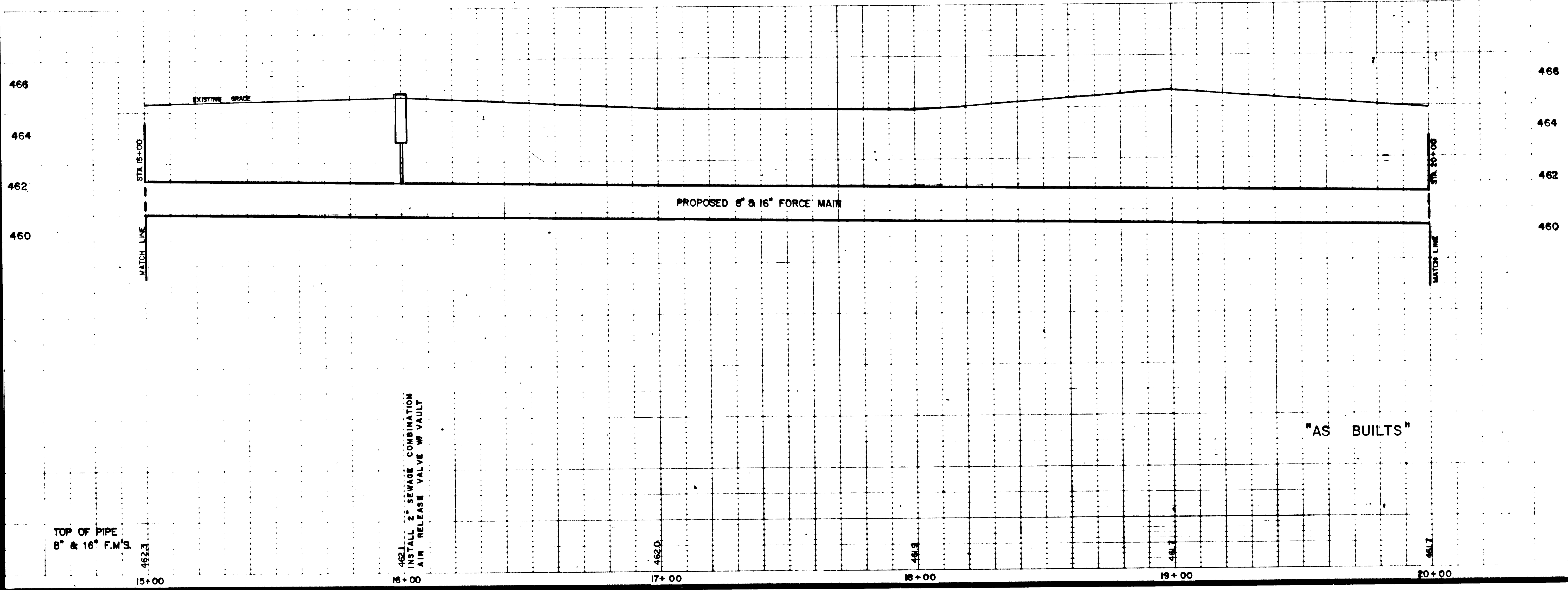
**JN** JONES AND NEUSE, INC.  
Engineering and Environmental  
Consultants

CHECKED BY:  
R.E.W.  
DRAWN BY:  
B.K.B.  
SCALE:  
VERT. 1" = 2'  
HORIZ. 1" = 20'

Sheet  
2 OF 37



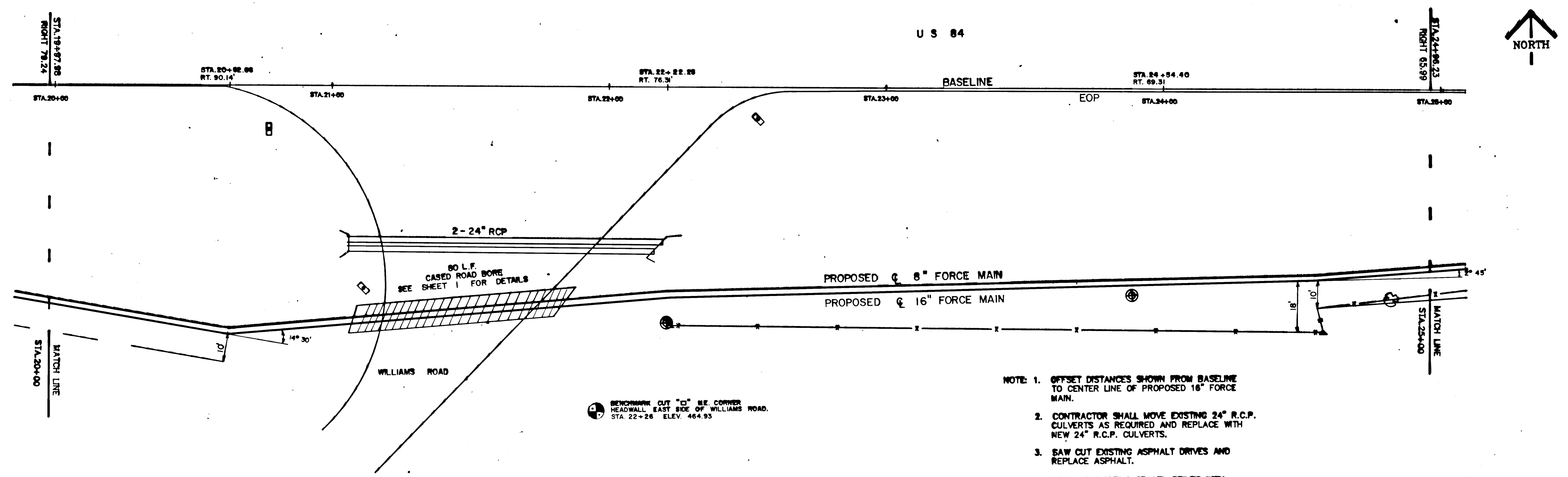
- NOTE: 1. OFFSET DISTANCES SHOWN FROM BASELINE TO CENTER LINE OF PROPOSED 16" FORCE MAIN.
2. CONTRACTOR SHALL MOVE EXISTING 34" R.C.P. CULVERTS AS REQUIRED AND REPLACE WITH NEW 24" R.C.P. CULVERTS.
3. SAW CUT EXISTING ASPHALT DRIVES AND REPLACE ASPHALT.
4. REPLACE EXISTING GRAVEL DRIVES WITH COMPACTED GRAVEL.



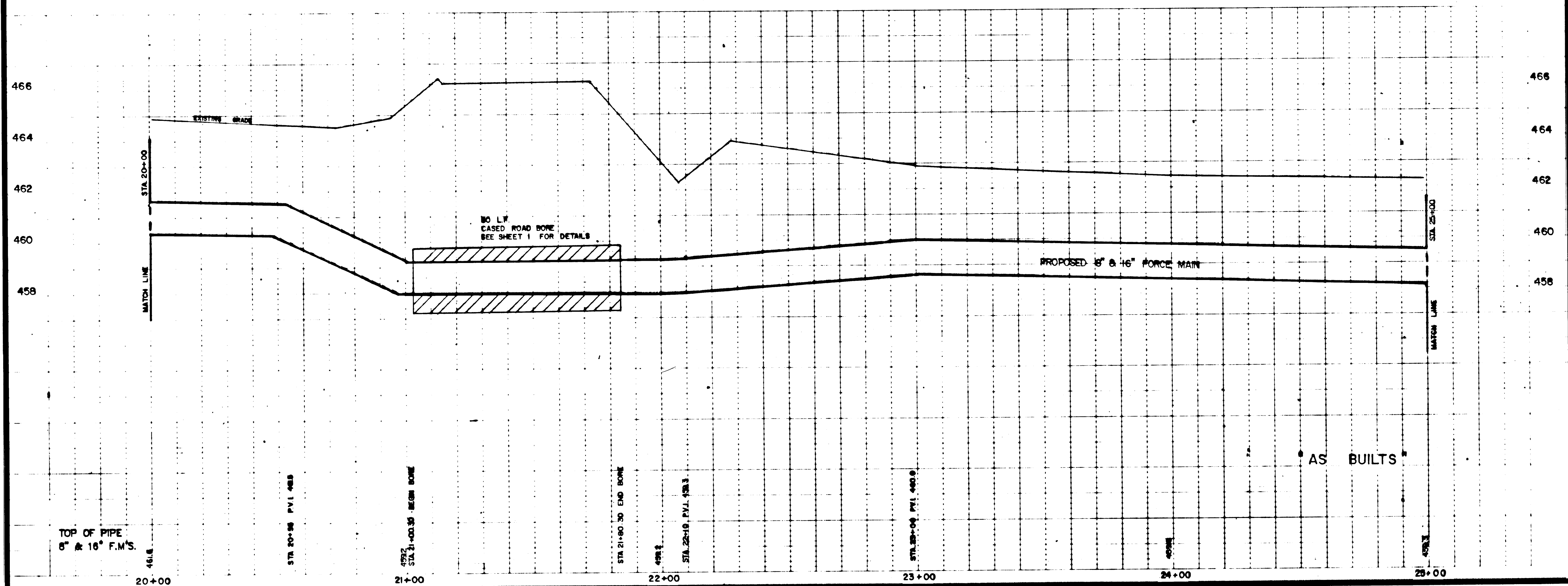
- LEGEND**
- |                       |                                       |                                              |                          |                               |                          |
|-----------------------|---------------------------------------|----------------------------------------------|--------------------------|-------------------------------|--------------------------|
| ● PROPOSED DATE VALVE | ● EXISTING TELEPHONE CABLE ROUTE SIGN | ● EXIST. UTILITY POLE, ELECTRIC OR TELEPHONE | — CHAIN LINK FENCE       | — PROPOSED WASTEWATER SERVICE | ALL EXHIBITS             |
| ● EXISTING DATE VALVE | ● EXISTING WATER METER                | — CHAIN LINK FENCE                           | — PROPOSED WATER SERVICE | — EXISTING WASTEWATER SERVICE | ALL EXIST. E. & W. LINES |
| ● PROPOSED MANHOLE    | ● EXISTING WATER METER                | — BARBED WIRE FENCE                          | — EXISTING WATER SERVICE | ● PROPOSED CLEAN OUT          | CENTERLINE               |
| ● EXISTING MANHOLE    | ● EXISTING TELEPHONE CABLE BOX        | — WOODEN FENCE                               | — EXISTING WATER SERVICE | ● EXISTING CLEAN OUT          | FLOWLINE (DOWN)          |

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.



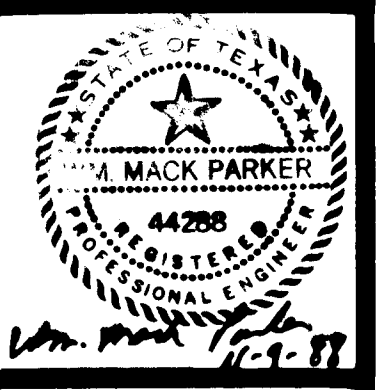


- NOTE: 1. OFFSET DISTANCES SHOWN FROM BASELINE TO CENTER LINE OF PROPOSED 16\"/>
  - CONTRACTOR SHALL MOVE EXISTING 24\"/>
  - SAW CUT EXISTING ASPHALT DRIVES AND REPLACE ASPHALT.
  - REPLACE EXISTING GRAVEL DRIVES WITH COMPACTED GRAVEL.



- LEGEND**
- |                                                                                                                                 |                                                                                                                                                                |                                                                                                                                                                                                 |                                                                                                                                                                                 |                                                                                                                                                         |                                                                                                                                                                                    |                                                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>● BENCHMARK</li> <li>⊕ PROPOSED FIRE HYDRANT</li> <li>⊕ EXISTING FIRE HYDRANT</li> </ul> | <ul style="list-style-type: none"> <li>● PROPOSED GATE VALVE</li> <li>● EXISTING GATE VALVE</li> <li>● PROPOSED MANHOLE</li> <li>● EXISTING MANHOLE</li> </ul> | <ul style="list-style-type: none"> <li>● EXISTING TELEPHONE CABLE ROUTE SIGN</li> <li>⊠ PROPOSED WATER METER</li> <li>⊠ EXISTING WATER METER</li> <li>⊠ EXISTING TELEPHONE CABLE BOX</li> </ul> | <ul style="list-style-type: none"> <li>● EXIST. UTILITY POLE, ELECTRIC OR TELEPHONE</li> <li>— CHAIN LINK FENCE</li> <li>— BARBED WIRE FENCE</li> <li>— WOODEN FENCE</li> </ul> | <ul style="list-style-type: none"> <li>— EXISTING TRAFFIC OR STREET SIGN</li> <li>— PROPOSED WATER SERVICE</li> <li>— EXISTING WATER SERVICE</li> </ul> | <ul style="list-style-type: none"> <li>— PROPOSED WASTEWATER SERVICE</li> <li>— EXISTING WASTEWATER SERVICE</li> <li>● PROPOSED CLEAN OUT</li> <li>● EXISTING CLEAN OUT</li> </ul> | <ul style="list-style-type: none"> <li>ALL DIMENSIONS</li> <li>ALL EXIST. E. &amp; W. LINES</li> <li>CENTERLINE</li> <li>FLYLINE (NOTED)</li> </ul> |
|---------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|

NOTE: CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING EXACT LOCATIONS OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.



DESIGNED BY:  
W.M.P.

JOB NO.:  
5006 - 02

DATE:  
AUGUST 1988

TSTI INDUSTRIAL AREA  
LIFT STATION AND FORCE MAIN  
WACO, TEXAS

**JN JONES AND NEUSE, INC.**  
Engineering and Environmental Consultants

CHECKED BY:  
R.E.W.

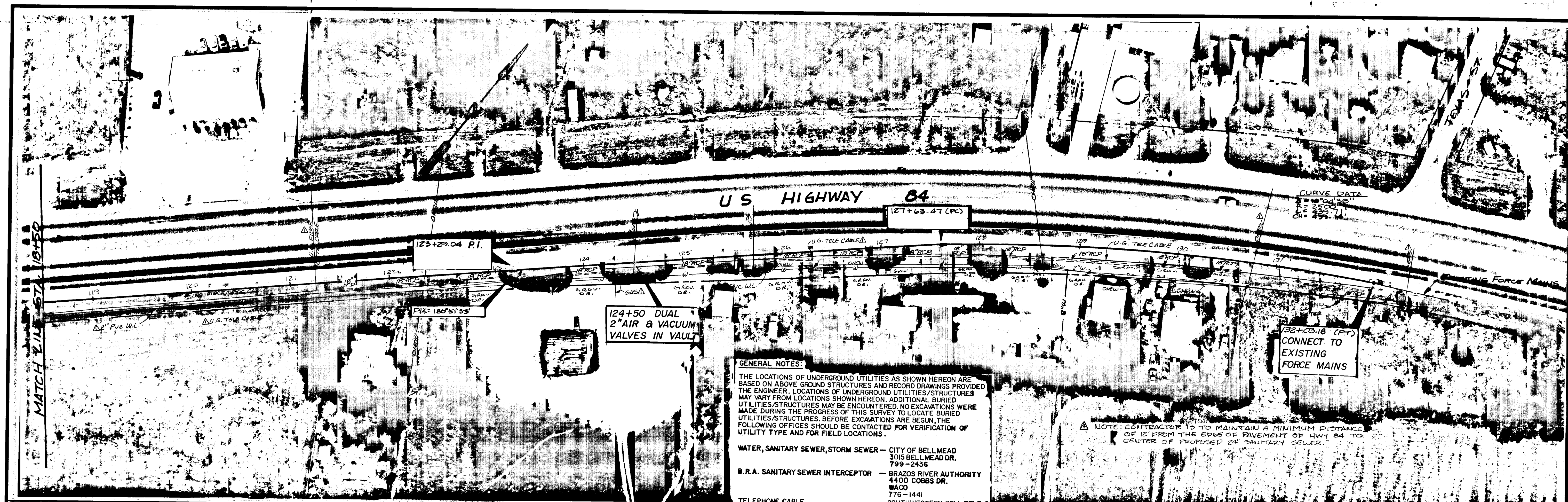
DRAWN BY:  
B.K.B.

SCALE: VERT. 1" = 2'  
HORIZ. 1" = 20'

Sheet

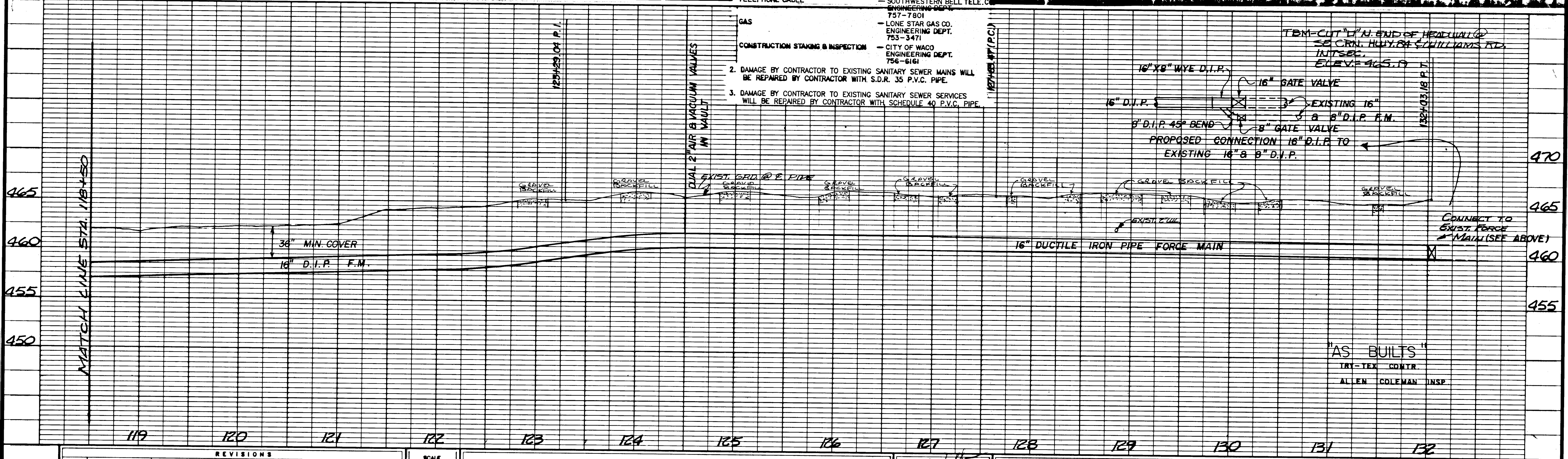
3 OF 37





- GENERAL NOTES:**
- THE LOCATIONS OF UNDERGROUND UTILITIES AS SHOWN HEREON ARE BASED ON ABOVE GROUND STRUCTURES AND RECORD DRAWINGS PROVIDED BY THE ENGINEER. LOCATIONS OF UNDERGROUND UTILITIES/STRUCTURES MAY VARY FROM LOCATIONS SHOWN HEREON. ADDITIONAL BURIED UTILITIES/STRUCTURES MAY BE ENCOUNTERED. NO EXCAVATIONS WERE MADE DURING THE PROGRESS OF THIS SURVEY TO LOCATE BURIED UTILITIES/STRUCTURES. BEFORE EXCAVATIONS ARE BEGUN, THE FOLLOWING OFFICES SHOULD BE CONTACTED FOR VERIFICATION OF UTILITY TYPE AND FOR FIELD LOCATIONS.
  - WATER, SANITARY SEWER, STORM SEWER — CITY OF BELLMEAD  
3015 BELLMEAD DR.  
799-2435
  - B.R.A. SANITARY SEWER INTERCEPTOR — BRAZOS RIVER AUTHORITY  
4400 COBBS DR.  
WACO  
776-1441
  - TELEPHONE CABLE — SOUTHWESTERN BELL TELE. CO.  
ENGINEERING DEPT.  
757-7801
  - GAS — LONE STAR GAS CO.  
ENGINEERING DEPT.  
753-3471
  - CONSTRUCTION STAKING & INSPECTION — CITY OF WACO  
ENGINEERING DEPT.  
756-5161
- DAMAGE BY CONTRACTOR TO EXISTING SANITARY SEWER MAINS WILL BE REPAIRED BY CONTRACTOR WITH S.D.R. 35 P.V.C. PIPE.
  - DAMAGE BY CONTRACTOR TO EXISTING SANITARY SEWER SERVICES WILL BE REPAIRED BY CONTRACTOR WITH SCHEDULE 40 P.V.C. PIPE.

NOTE: CONTRACTOR IS TO MAINTAIN A MINIMUM DISTANCE OF 12' FROM THE EDGE OF PAVEMENT OF HWY 84 TO CENTER OF PROPOSED 24" SANITARY SEWER.

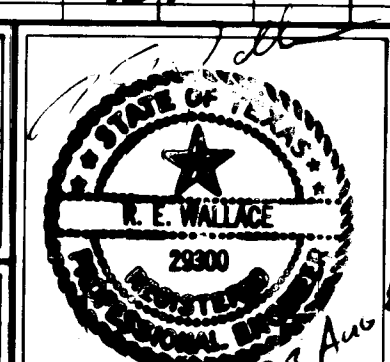


REVISIONS			
NO.	DATE	REMARKS	BY
1	2-22-90	ADDED EXIST. UTILITIES	JAB
2	2-27-90	REVISED ALIGN. 118+50 TO 132+03.18	JAB
3	2-28-90	REVISED GRADES 118+50 TO 132+03.18	JAB
4	3-1-90	ADDED NOTE TO CONTRACTOR	JAB
5	6-14-90	CHANGED DEPTH OF SEWER LINE	W.W.

SCALE  
HORIZ.  
1" = 50'  
VERT.  
1" = 5'

**WALLACE, WINKLER, & RICE, INC.**  
ENGINEERS • PLANNERS • SURVEYORS  
WACO • TEMPLE

FILE NAME	DESIGNED	DRAWN	APPROVED	JOB NO.	DATE
7164-L		JAB		7164	JAN. '89



**TSTI AIRPORT INDUSTRIAL AREA  
SANITARY SEWER IMPROVEMENTS**  
FOR  
**THE CITY OF WACO, TEXAS**  
STA. 118+50 TO STA. 131+93.54