

109

## REVIEW BY FORT BEND COUNTY COMMISSIONERS COURT

On this 28 day of JUNE, 2011, before the Fort Bend Commissioners Court came on to be heard and reviewed the accompanying notice of THE CITY OF MISSOURI CITY

Job Location SIENNA III G

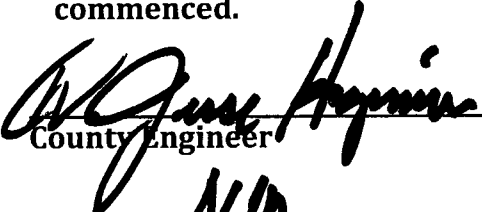
Dated 06/09/11 BOND NO NO BOND REQUIRED Permit No. 83967  
to make use of certain Fort Bend County property subject to, "A Revised Order Regulating the Laying, Construction, Maintenance, and Repair of Buried Cables, Conduits, and Pole Lines, In, Under, Across or Along Roads, Streets, Highways, and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by the Commissioners Court of Fort Bend County, Texas, date the 3<sup>rd</sup> day of August, 1987, recorded in Volume \_\_\_\_\_ of the Minutes of the Commissioners Court of Fort Bend County, Texas, to the extent that such order is not inconsistent with Article 1436a, Vernon's Texas Civil Statutes. Upon Motion of Commissioner Prestage, seconded by Commissioner Meyers, duly put and carried, it is ORDERED, ADJUDGED AND DECREED that said notice of said above purpose is hereby acknowledged by the Commissioners Court of Fort Bend County, Texas, and that said notice be placed on record according to the regulation order thereof.

### Notes:

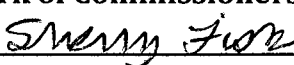
1. Evidence of review by the Commissioners Court must be kept on the job site and failure to do so constitutes grounds for job shutdown.
2. Written notices are required:
  - a. 48 hours in advance of construction start up, and
  - b. When construction is completed and ready for final inspection

Mail notices to: Permit Administrator  
Fort Bend County Engineering  
P.O. Box 1449  
Rosenberg, Texas 77471  
281-633-7500

3. This permit expires one (1) year from date of permit if construction has not commenced.

By   
County Engineer  
By N/A  
Drainage District Engineer/Manager

Presented to Commissioners Court  
and approved.  
Recorded in Volume 6-28-11  
Minutes of Commissioners Court.

Clerk of Commissioners Court  
By   
Deputy

# COUNTY OF FORT BEND

## Engineering Department

P.O. BOX 1449  
Rosenberg, Texas 77471-1449

Johnny Ortega  
Permit Administrator

1124 Blume Road  
Phone: (281) 341-7500

### PERMIT APPLICATION REVIEW FORM FOR CABLE, CONDUIT, AND POLE LINE ACTIVITY IN FORT BEND COUNTY

PERMIT NO. \_\_\_\_\_

083967

The following "Notice of Proposed Cable, Conduit, and/or Pole Line activity in Fort Bend County" and accompanying attachments have been reviewed and the notice conforms to appropriate regulations set by Commissioner's Court of Fort Bend County, Texas.

- X   (1) Complete Application Form.
- X   a. Name of road, street, and/or drainage ditch affected.
- X   b. Vicinity map showing course of direction.
- \_\_\_\_\_ c. Plans and specifications.
- \_\_\_\_\_ (2) Bond: No Bond Required
- District Attorney approval when applicable.
- \_\_\_\_\_ Perpetual bond currently posted.
- No. \_\_\_\_\_
- Amount \_\_\_\_\_
- \_\_\_\_\_ Performance bond submitted.
- No. \_\_\_\_\_
- Amount \_\_\_\_\_
- \_\_\_\_\_ Cashier's Check.
- No. \_\_\_\_\_
- Amount \_\_\_\_\_
- \_\_\_\_\_ (3) Verbal permission given for emergencies, to start construction before approved in Commissioner's Court.
- Precinct Engineer Acknowledgment \_\_\_\_\_ Date \_\_\_\_\_
- Precinct Commissioner Acknowledgment \_\_\_\_\_ Date \_\_\_\_\_
- \_\_\_\_\_ (4) Adam Wright
- Drainage District Approval when applicable

We have reviewed this project and agree it meets minimum requirements.

Johnny Ortega  
Johnny Ortega CFM/ Permit Administrator  
(REVISED 5/30/08)

05/23/2011  
Date

**NOTICE OF PROPOSED CABLE, CONDUIT AND/OR POLE LINE ACTIVITY  
IN, UNDER, ACROSS OR ALONG ROADS, STREETS, HIGHWAYS AND DRAINAGE DITCHES  
IN FORT BEND COUNTY**

APPLICANT'S JOB NO. IFB #114-10  
 PERMIT No. 83967 PCT. No. 4  
 BOND No. No Bond Required

Formal notice is hereby given that the City of Missouri City  
 proposes to lay, construct, maintain and/or repair cable, conduit and/or pole line, in, under,  
 across, or along roads, streets, highways and drainage ditches in Fort Bend County, as follows:

**In, Under, or Across Roads and/or Drainage Ditches**

| Road or<br>Ditch Name | Distance & Direction From<br>Nearest Intersection | Length of<br>Crossing | Type of Construction |        |        |       |
|-----------------------|---------------------------------------------------|-----------------------|----------------------|--------|--------|-------|
|                       |                                                   |                       | Bored                | Jacked | Driven | Cased |
| Sienna III G          | : 1,355' SW of Intersection of                    | : 200' (30" Line)     | : X                  | : X    | :      | : X   |
|                       | : Kelsey Pass & Virkus Ct.                        | :                     | :                    | :      | :      | :     |
| "                     | "                                                 | : 200' (10" Line)     | : X                  | : X    | :      | : X   |

**Along Roads and/or Drainage Ditches**

| Road or<br>Ditch Name | Distance & Direction From<br>Nearest Intersection | To                       | Distance               |
|-----------------------|---------------------------------------------------|--------------------------|------------------------|
|                       |                                                   |                          |                        |
| Sienna III G          | : 1,605' NW of Intersection of Kelsey             | : 1,355' SW of the       | : 1,532 Ft. of 30" PVC |
|                       | : Pass & Virkus Ct.                               | : Intersection of Kelsey | :                      |
|                       | :                                                 | : Pass & Virkus Ct.      | :                      |

**General Description**

30" C-905 PVC potable water line installed along drainage channel and bored beneath channel  
 10" C-900 PVC reuse water line bored beneath channel

The Location and description of the proposed installation and appurtenances is more fully shown on the attached detail drawings. The laying, construction, maintenance and/or repair of the proposed installation shall be subject to "A Revised Order Regulating the Laying, Construction, Maintenance and/or Repair of Cables, Conduits, and/or Pole Lines, In, Under, Across, or Along Roads, Streets, Highways and Drainage Ditches in Fort Bend County, Texas, Under the Jurisdiction of the Commissioners Court of Fort Bend County, Texas," as passed by Commissioners Court of Fort Bend County, Texas, dated the 3rd. day of August, 1987, recorded in Volume 639 of the Minutes of the Commissioners Court of Fort Bend County, Texas.

Written notices are required: 1) 48 hours in advance of start of construction and  
 2) when construction is complete and ready for final inspection.

Mail to: Permit Administrator/Fort Bend County Engineering  
 P.O. Box 1449, Rosenberg, TX 77471.

Violation of requirements shall constitute grounds for job shut down.

Does project  
comply with Fort  
Bend County  
Outdoor Lighting  
Ordinance?

Yes ( X )

No ( )

COMPANY NAME: City of Missouri City

AGENT and/or OWNER

Scott R. Elmer, PE 5-9-11  
 (Signature)

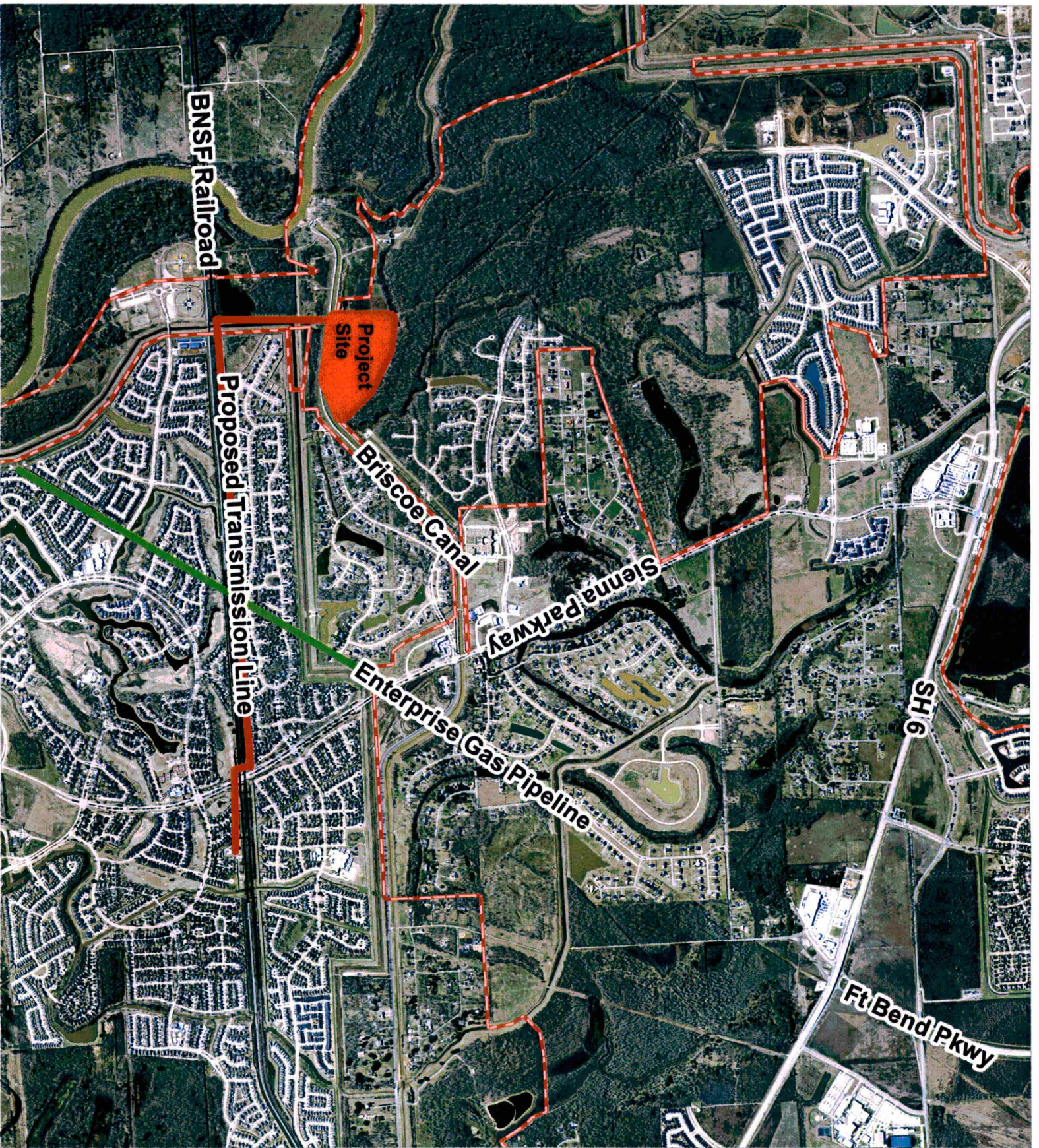
NAME & TITLE Scott R. Elmer, PE, Director of Public Works  
 (Please Print)

DATE 5-9-11

ADDRESS 1522 Texas Parkway  
 (Street/P.O. Box)

Missouri City Texas 77489  
 City State Zip

TELEPHONE NO: 281-403-8572  
 (accessible 24 hrs/day, 7 days/week)

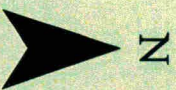


# VICINITY MAP

Missouri City  
South  
Transmission  
Line

## Legend

- Railroads
- City Limits Line



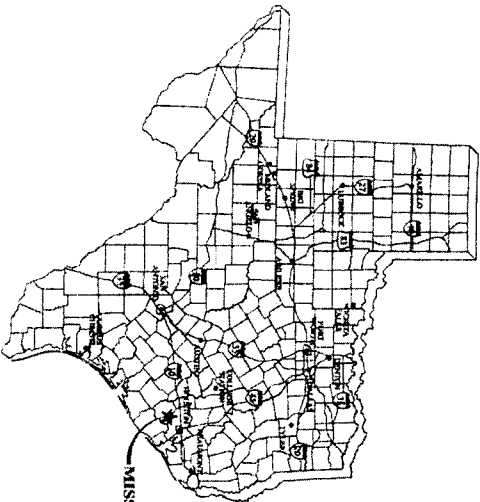
Map By:  
Engineering  
May 2011



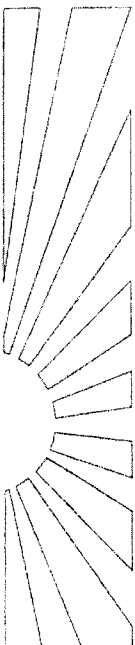
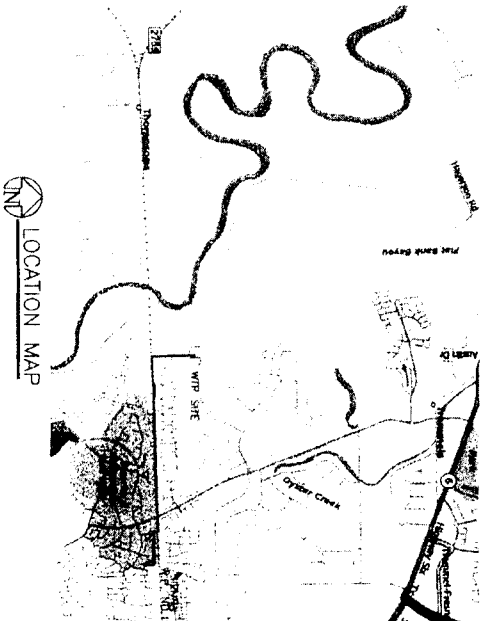
This map is a representation of the information provided by the City of Missouri City, Texas. It is not a legal document and should not be used for legal purposes. The City of Missouri City, Texas, is not responsible for any errors or omissions in this map. The City of Missouri City, Texas, is not responsible for any damages or losses resulting from the use of this map. The City of Missouri City, Texas, is not responsible for any claims or liabilities resulting from the use of this map. The City of Missouri City, Texas, is not responsible for any claims or liabilities resulting from the use of this map.

# CITY OF MISSOURI CITY

## SOUTH TRANSMISSION LINE (CONTRACT B)



VICINITY MAP



MISSOURI CITY  
TEXAS

MAYOR

ALLEN OWEN

CITY MANAGER

FRANK SIMPSON

### DISTRICT COUNCIL MEMBERS

BOBBY MARSHALL  
DISTRICT A

DON SMITH  
DISTRICT B

BRETT KOLAJA  
DISTRICT D

ROBIN ELACKATT  
DISTRICT C

JERRY WYATT  
POSITION 1

DANNY NGUYEN  
POSITION 2

### COUNCIL MEMBERS AT-LARGE



JONATHAN AARON BAUM, P.E.



ENPROTEC/HIBBS & TODD, INC.  
ENVIRONMENTAL AND CIVIL ENGINEERING  
402 Cedar Street  
Aubrey, Texas 76001  
325-688-5580  
Firm Registration No. 1151

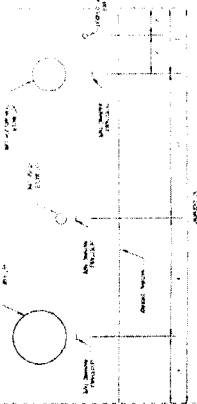
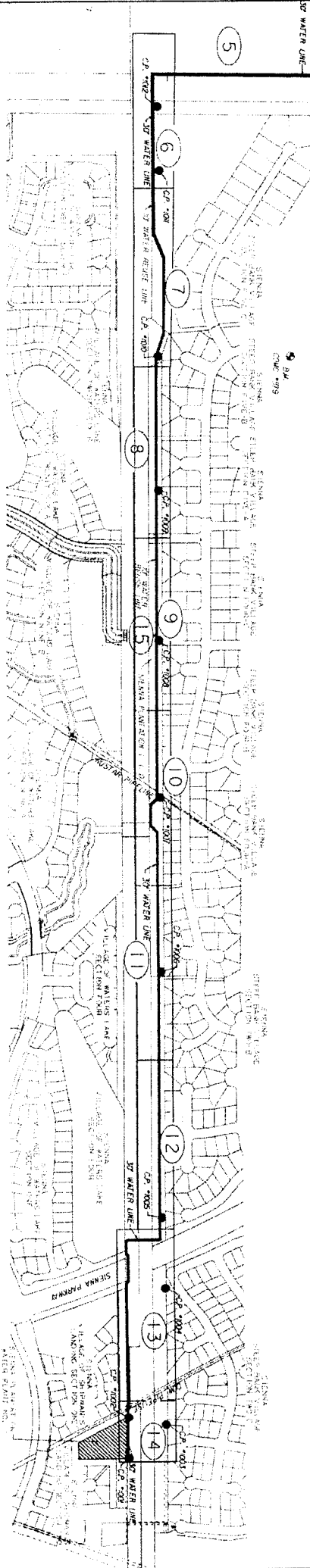
| INDEX OF DRAWINGS                           |     | SHEET NO. |
|---------------------------------------------|-----|-----------|
| COVER SHEET                                 | 1   | 1         |
| GENERAL NOTES                               | 2   | 2         |
| WATER LINE LAYOUT                           | 3   | 3         |
| 6" TRANSMISSION LINE - STA 5+48.7 TO 13+00  | 4   | 4         |
| 6" TRANSMISSION LINE - STA 13+40.0 TO 24+00 | 5   | 5         |
| 6" TRANSMISSION LINE - STA 24+00 TO 26+00   | 6   | 6         |
| 6" TRANSMISSION LINE - STA 26+00 TO 28+00   | 7   | 7         |
| 6" TRANSMISSION LINE - STA 28+00 TO 30+00   | 8   | 8         |
| 6" TRANSMISSION LINE - STA 30+00 TO 32+00   | 9   | 9         |
| 6" TRANSMISSION LINE - STA 32+00 TO 34+00   | 10  | 10        |
| 6" TRANSMISSION LINE - STA 34+00 TO 36+00   | 11  | 11        |
| 6" TRANSMISSION LINE - STA 36+00 TO 38+00   | 12  | 12        |
| 6" TRANSMISSION LINE - STA 38+00 TO 40+00   | 13  | 13        |
| 6" TRANSMISSION LINE - STA 40+00 TO 42+00   | 14  | 14        |
| 6" TRANSMISSION LINE - STA 42+00 TO 44+00   | 15  | 15        |
| 6" TRANSMISSION LINE - STA 44+00 TO 46+00   | 16  | 16        |
| 6" TRANSMISSION LINE - STA 46+00 TO 48+00   | 17  | 17        |
| 6" TRANSMISSION LINE - STA 48+00 TO 50+00   | 18  | 18        |
| 6" TRANSMISSION LINE - STA 50+00 TO 52+00   | 19  | 19        |
| 6" TRANSMISSION LINE - STA 52+00 TO 54+00   | 20  | 20        |
| 6" TRANSMISSION LINE - STA 54+00 TO 56+00   | 21  | 21        |
| 6" TRANSMISSION LINE - STA 56+00 TO 58+00   | 22  | 22        |
| 6" TRANSMISSION LINE - STA 58+00 TO 60+00   | 23  | 23        |
| 6" TRANSMISSION LINE - STA 60+00 TO 62+00   | 24  | 24        |
| 6" TRANSMISSION LINE - STA 62+00 TO 64+00   | 25  | 25        |
| 6" TRANSMISSION LINE - STA 64+00 TO 66+00   | 26  | 26        |
| 6" TRANSMISSION LINE - STA 66+00 TO 68+00   | 27  | 27        |
| 6" TRANSMISSION LINE - STA 68+00 TO 70+00   | 28  | 28        |
| 6" TRANSMISSION LINE - STA 70+00 TO 72+00   | 29  | 29        |
| 6" TRANSMISSION LINE - STA 72+00 TO 74+00   | 30  | 30        |
| 6" TRANSMISSION LINE - STA 74+00 TO 76+00   | 31  | 31        |
| 6" TRANSMISSION LINE - STA 76+00 TO 78+00   | 32  | 32        |
| 6" TRANSMISSION LINE - STA 78+00 TO 80+00   | 33  | 33        |
| 6" TRANSMISSION LINE - STA 80+00 TO 82+00   | 34  | 34        |
| 6" TRANSMISSION LINE - STA 82+00 TO 84+00   | 35  | 35        |
| 6" TRANSMISSION LINE - STA 84+00 TO 86+00   | 36  | 36        |
| 6" TRANSMISSION LINE - STA 86+00 TO 88+00   | 37  | 37        |
| 6" TRANSMISSION LINE - STA 88+00 TO 90+00   | 38  | 38        |
| 6" TRANSMISSION LINE - STA 90+00 TO 92+00   | 39  | 39        |
| 6" TRANSMISSION LINE - STA 92+00 TO 94+00   | 40  | 40        |
| 6" TRANSMISSION LINE - STA 94+00 TO 96+00   | 41  | 41        |
| 6" TRANSMISSION LINE - STA 96+00 TO 98+00   | 42  | 42        |
| 6" TRANSMISSION LINE - STA 98+00 TO 100+00  | 43  | 43        |
| 6" TRANSMISSION LINE - STA 100+00 TO 102+00 | 44  | 44        |
| 6" TRANSMISSION LINE - STA 102+00 TO 104+00 | 45  | 45        |
| 6" TRANSMISSION LINE - STA 104+00 TO 106+00 | 46  | 46        |
| 6" TRANSMISSION LINE - STA 106+00 TO 108+00 | 47  | 47        |
| 6" TRANSMISSION LINE - STA 108+00 TO 110+00 | 48  | 48        |
| 6" TRANSMISSION LINE - STA 110+00 TO 112+00 | 49  | 49        |
| 6" TRANSMISSION LINE - STA 112+00 TO 114+00 | 50  | 50        |
| 6" TRANSMISSION LINE - STA 114+00 TO 116+00 | 51  | 51        |
| 6" TRANSMISSION LINE - STA 116+00 TO 118+00 | 52  | 52        |
| 6" TRANSMISSION LINE - STA 118+00 TO 120+00 | 53  | 53        |
| 6" TRANSMISSION LINE - STA 120+00 TO 122+00 | 54  | 54        |
| 6" TRANSMISSION LINE - STA 122+00 TO 124+00 | 55  | 55        |
| 6" TRANSMISSION LINE - STA 124+00 TO 126+00 | 56  | 56        |
| 6" TRANSMISSION LINE - STA 126+00 TO 128+00 | 57  | 57        |
| 6" TRANSMISSION LINE - STA 128+00 TO 130+00 | 58  | 58        |
| 6" TRANSMISSION LINE - STA 130+00 TO 132+00 | 59  | 59        |
| 6" TRANSMISSION LINE - STA 132+00 TO 134+00 | 60  | 60        |
| 6" TRANSMISSION LINE - STA 134+00 TO 136+00 | 61  | 61        |
| 6" TRANSMISSION LINE - STA 136+00 TO 138+00 | 62  | 62        |
| 6" TRANSMISSION LINE - STA 138+00 TO 140+00 | 63  | 63        |
| 6" TRANSMISSION LINE - STA 140+00 TO 142+00 | 64  | 64        |
| 6" TRANSMISSION LINE - STA 142+00 TO 144+00 | 65  | 65        |
| 6" TRANSMISSION LINE - STA 144+00 TO 146+00 | 66  | 66        |
| 6" TRANSMISSION LINE - STA 146+00 TO 148+00 | 67  | 67        |
| 6" TRANSMISSION LINE - STA 148+00 TO 150+00 | 68  | 68        |
| 6" TRANSMISSION LINE - STA 150+00 TO 152+00 | 69  | 69        |
| 6" TRANSMISSION LINE - STA 152+00 TO 154+00 | 70  | 70        |
| 6" TRANSMISSION LINE - STA 154+00 TO 156+00 | 71  | 71        |
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| 6" TRANSMISSION LINE - STA 158+00 TO 160+00 | 73  | 73        |
| 6" TRANSMISSION LINE - STA 160+00 TO 162+00 | 74  | 74        |
| 6" TRANSMISSION LINE - STA 162+00 TO 164+00 | 75  | 75        |
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| 6" TRANSMISSION LINE - STA 166+00 TO 168+00 | 77  | 77        |
| 6" TRANSMISSION LINE - STA 168+00 TO 170+00 | 78  | 78        |
| 6" TRANSMISSION LINE - STA 170+00 TO 172+00 | 79  | 79        |
| 6" TRANSMISSION LINE - STA 172+00 TO 174+00 | 80  | 80        |
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| 6" TRANSMISSION LINE - STA 178+00 TO 180+00 | 83  | 83        |
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| 6" TRANSMISSION LINE - STA 212+00 TO 214+00 | 100 | 100       |
| 6" TRANSMISSION LINE - STA 214+00 TO 216+00 | 101 | 101       |
| 6" TRANSMISSION LINE - STA 216+00 TO 218+00 | 102 | 102       |
| 6" TRANSMISSION LINE - STA 218+00 TO 220+00 | 103 | 103       |
| 6" TRANSMISSION LINE - STA 220+00 TO 222+00 | 104 | 104       |
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| 6" TRANSMISSION LINE - STA 230+00 TO 232+00 | 109 | 109       |
| 6" TRANSMISSION LINE - STA 232+00 TO 234+00 | 110 | 110       |
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| 6" TRANSMISSION LINE - STA 288+00 TO 290+00 | 138 | 138       |
| 6" TRANSMISSION LINE - STA 290+00 TO 292+00 | 139 | 139       |
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| 6" TRANSMISSION LINE - STA 296+00 TO 298+00 | 142 | 142       |
| 6" TRANSMISSION LINE - STA 298+00 TO 300+00 | 143 | 143       |
| 6" TRANSMISSION LINE - STA 300+00 TO 302+00 | 144 | 144       |
| 6" TRANSMISSION LINE - STA 302+00 TO 304+00 | 145 | 145       |
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| 6" TRANSMISSION LINE - STA 312+00 TO 314+00 | 150 | 150       |
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| 6" TRANSMISSION LINE - STA 316+00 TO 318+00 | 152 | 152       |
| 6" TRANSMISSION LINE - STA 318+00 TO 320+00 | 153 | 153       |
| 6" TRANSMISSION LINE - STA 320+00 TO 322+00 | 154 | 154       |
| 6" TRANSMISSION LINE - STA 322+00 TO 324+00 | 155 | 155       |
| 6" TRANSMISSION LINE - STA 324+00 TO 326+00 | 156 | 156       |
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| 6" TRANSMISSION LINE - STA 330+00 TO 332+00 | 159 | 159       |
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| 6" TRANSMISSION LINE - STA 340+00 TO 342+00 | 164 | 164       |
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| 6" TRANSMISSION LINE - STA 360+00 TO 362+00 | 174 | 174       |
| 6" TRANSMISSION LINE - STA 362+00 TO 364+00 | 175 | 175       |
| 6" TRANSMISSION LINE - STA 364+00 TO 366+00 | 176 | 176       |
| 6" TRANSMISSION LINE - STA 366+00 TO 368+00 | 177 | 177       |
| 6" TRANSMISSION LINE - STA 368+00 TO 370+00 | 178 | 178       |
| 6" TRANSMISSION LINE - STA 370+00 TO 372+00 | 179 | 179       |
| 6" TRANSMISSION LINE - STA 372+00 TO 374+00 | 180 | 180       |
| 6" TRANSMISSION LINE - STA 374+00 TO 376+00 | 181 | 181       |
| 6" TRANSMISSION LINE - STA 376+00 TO 378+00 | 182 | 182       |
| 6" TRANSMISSION LINE - STA 378+00 TO 380+00 | 183 | 183       |
| 6" TRANSMISSION LINE - STA 380+00 TO 382+00 | 184 | 184       |
| 6" TRANSMISSION LINE - STA 382+00 TO 384+00 | 185 | 185       |
| 6" TRANSMISSION LINE - STA 384+00 TO 386+00 | 186 | 186       |
| 6" TRANSMISSION LINE - STA 386+00 TO 388+00 | 187 | 187       |
| 6" TRANSMISSION LINE - STA 388+00 TO 390+00 | 188 | 188       |
| 6" TRANSMISSION LINE - STA 390+00 TO 392+00 | 189 | 189       |
| 6" TRANSMISSION LINE - STA 392+00 TO 394+00 | 190 | 190       |
| 6" TRANSMISSION LINE - STA 394+00 TO 396+00 | 191 | 191       |
| 6" TRANSMISSION LINE - STA 396+00 TO 398+00 | 192 | 192       |
| 6" TRANSMISSION LINE - STA 398+00 TO 400+00 | 193 | 193       |
| 6" TRANSMISSION LINE - STA 400+00 TO 402+00 | 194 | 194       |
| 6" TRANSMISSION LINE - STA 402+00 TO 404+00 | 195 | 195       |
| 6" TRANSMISSION LINE - STA 404+00 TO 406+00 | 196 | 196       |
| 6" TRANSMISSION LINE - STA 406+00 TO 408+00 | 197 | 197       |
| 6" TRANSMISSION LINE - STA 408+00 TO 410+00 | 198 | 198       |
| 6" TRANSMISSION LINE - STA 410+00 TO 412+00 | 199 | 199       |
| 6" TRANSMISSION LINE - STA 412+00 TO 414+00 | 200 | 200       |
| 6" TRANSMISSION LINE - STA 414+00 TO 416+00 | 201 | 201       |
| 6" TRANSMISSION LINE - STA 416+00 TO 418+00 | 202 | 202       |
| 6" TRANSMISSION LINE - STA 418+00 TO 420+00 | 203 | 203       |
| 6" TRANSMISSION LINE - STA 420+00 TO 422+00 | 204 | 204       |
| 6" TRANSMISSION LINE - STA 422+00 TO 424+00 | 205 | 205       |
| 6" TRANSMISSION LINE - STA 424+00 TO 426+00 | 206 | 206       |
| 6" TRANSMISSION LINE - STA 426+00 TO 428+00 | 207 | 207       |
| 6" TRANSMISSION LINE - STA 428+00 TO 430+00 | 208 | 208       |
| 6" TRANSMISSION LINE - STA 430+00 TO 432+00 | 209 | 209       |
| 6" TRANSMISSION LINE - STA 432+00 TO 434+00 | 210 | 210       |
| 6" TRANSMISSION LINE - STA 434+00 TO 436+00 | 211 | 211       |
| 6" TRANSMISSION LINE - STA 436+00 TO 438+00 | 212 | 212       |
| 6" TRANSMISSION LINE - STA 438+00 TO 440+00 | 213 | 213       |
| 6" TRANSMISSION LINE - STA 440+00 TO 442+00 | 214 | 214       |
| 6" TRANSMISSION LINE - STA 442+00 TO 444+00 | 215 | 215       |
| 6" TRANSMISSION LINE - STA 444+00 TO 446+00 | 216 | 216       |
| 6" TRANSMISSION LINE - STA 446+00 TO 448+00 | 217 | 217       |
| 6" TRANSMISSION LINE - STA 448+00 TO 450+00 | 218 | 218       |
| 6" TRANSMISSION LINE - STA 450+00 TO 452+00 | 219 | 219       |
| 6" TRANSMISSION LINE - STA 452+00 TO 454+00 | 220 | 220       |
| 6" TRANSMISSION LINE - STA 454+00 TO 456+00 | 221 | 221       |
| 6" TRANSMISSION LINE - STA 456+00 TO 458+00 | 222 | 222       |
| 6" TRANSMISSION LINE - STA 458+00 TO 460+00 | 223 | 223       |
| 6" TRANSMISSION LINE - STA 460+00 TO 462+00 | 224 | 224       |
| 6" TRANSMISSION LINE - STA 462+00 TO 464+00 | 225 | 225       |
| 6" TRANSMISSION LINE - STA 464+00 TO 466+00 | 226 | 226       |
| 6" TRANSMISSION LINE - STA 466+00 TO 468+00 | 227 | 227       |
| 6" TRANSMISSION LINE - STA 468+00 TO 470+00 | 228 | 228       |
| 6" TRANSMISSION LINE - STA 470+00 TO 472+00 | 229 | 229       |
| 6" TRANSMISSION LINE - STA 472+00 TO 474+00 | 230 | 230       |
| 6" TRANSMISSION LINE - STA 474+00 TO 476+00 | 231 | 231       |
| 6" TRANSMISSION LINE - STA 476+00 TO 478+00 | 232 | 232       |
| 6" TRANSMISSION LINE - STA 478+00 TO 480+00 | 233 | 233       |
| 6" TRANSMISSION LINE - STA 480+00 TO 482+00 | 234 | 234       |
| 6" TRANSMISSION LINE - STA 482+00 TO 484+00 | 235 | 235       |
| 6" TRANSMISSION LINE - STA 484+00 TO 486+00 | 236 | 236       |
| 6" TRANSMISSION LINE - STA 486+00 TO 488+00 | 237 | 237       |
| 6" TRANSMISSION LINE - STA 488+00 TO 490+00 | 238 | 238       |
|                                             |     |           |



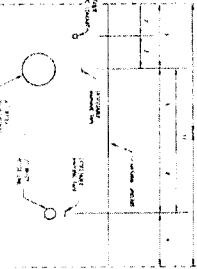
SURVEY MONUMENTS AND CONTROL

| NAME               | DESCRIPTION                | NORTHING    | EASTING    | ELEVATION |
|--------------------|----------------------------|-------------|------------|-----------|
| BU 001 + 152       | BRASS DISC SET IN CONCRETE | 6248252.575 | 308871.576 | 61.0      |
| BU 001 + 053       | BRASS DISC SET IN CONCRETE | 6248252.575 | 308871.576 | 61.0      |
| BU 001 + 079       | BRASS DISC SET IN CONCRETE | 6248252.575 | 308871.576 | 61.0      |
| CONTROL POINT #001 | 1/2" IR                    | 6223202.271 | 308865.686 | 71.25     |
| CONTROL POINT #002 | 1/2" IR                    | 6223122.037 | 308861.545 | 62.29     |
| CONTROL POINT #003 | 1/2" IR                    | 6222584.509 | 308843.063 | 63.13     |
| CONTROL POINT #004 | 1/2" IR                    | 6222584.509 | 307820.344 | 62.82     |
| CONTROL POINT #005 | 1/2" IR                    | 6222484.759 | 307016.659 | 62.9      |
| CONTROL POINT #006 | 1/2" IR                    | 6222484.759 | 306544.006 | 59.86     |
| CONTROL POINT #007 | 1/2" IR                    | 6222384.462 | 30584.452  | 59.44     |
| CONTROL POINT #008 | 1/2" IR                    | 6222384.462 | 30584.452  | 59.44     |
| CONTROL POINT #009 | 1/2" IR                    | 622037.709  | 308702.570 | 59.69     |
| CONTROL POINT #010 | 1/2" IR                    | 622037.709  | 308702.570 | 59.69     |
| CONTROL POINT #011 | 1/2" IR                    | 622037.709  | 308702.570 | 59.69     |
| CONTROL POINT #012 | 1/2" IR                    | 622037.709  | 308702.570 | 59.69     |
| CONTROL POINT #013 | 1/2" IR                    | 622037.709  | 308702.570 | 59.69     |
| CONTROL POINT #014 | 1/2" IR                    | 622037.709  | 308702.570 | 59.69     |
| CONTROL POINT #015 | 1/2" IR                    | 622037.709  | 308702.570 | 59.69     |

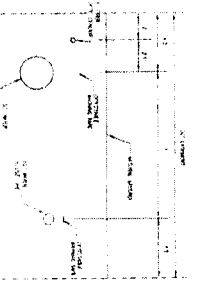
NOTE:  
MONUMENTS AND CONTROL POINTS ARE IN TEXAS  
STATE PLANE COORDINATES SOUTH CENTRAL ZONE  
AND 83 AND 8329 9871 ADJUSTMENT. BASED ON  
NAD83 DATUM. UTM ZONE 17N. DATUM: 83.



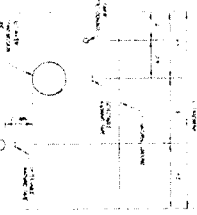
TYPICAL EASEMENT CROSS SECTION  
STATION 11+40.00 TO 11+38.06



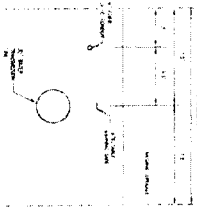
TYPICAL EASEMENT CROSS SECTION  
STATION 12+38.06 TO 12+16.59



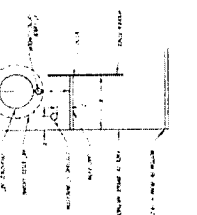
TYPICAL EASEMENT CROSS SECTION  
STATION 17+63.59 TO 17+57.21



TYPICAL EASEMENT CROSS SECTION  
STATION 31+17.31 TO 30+43.77



TYPICAL EASEMENT CROSS SECTION  
STATION 69+12.74 TO 118+12.73



TYPICAL EASEMENT CROSS SECTION  
STATION 118+32.73 TO 120+30.76

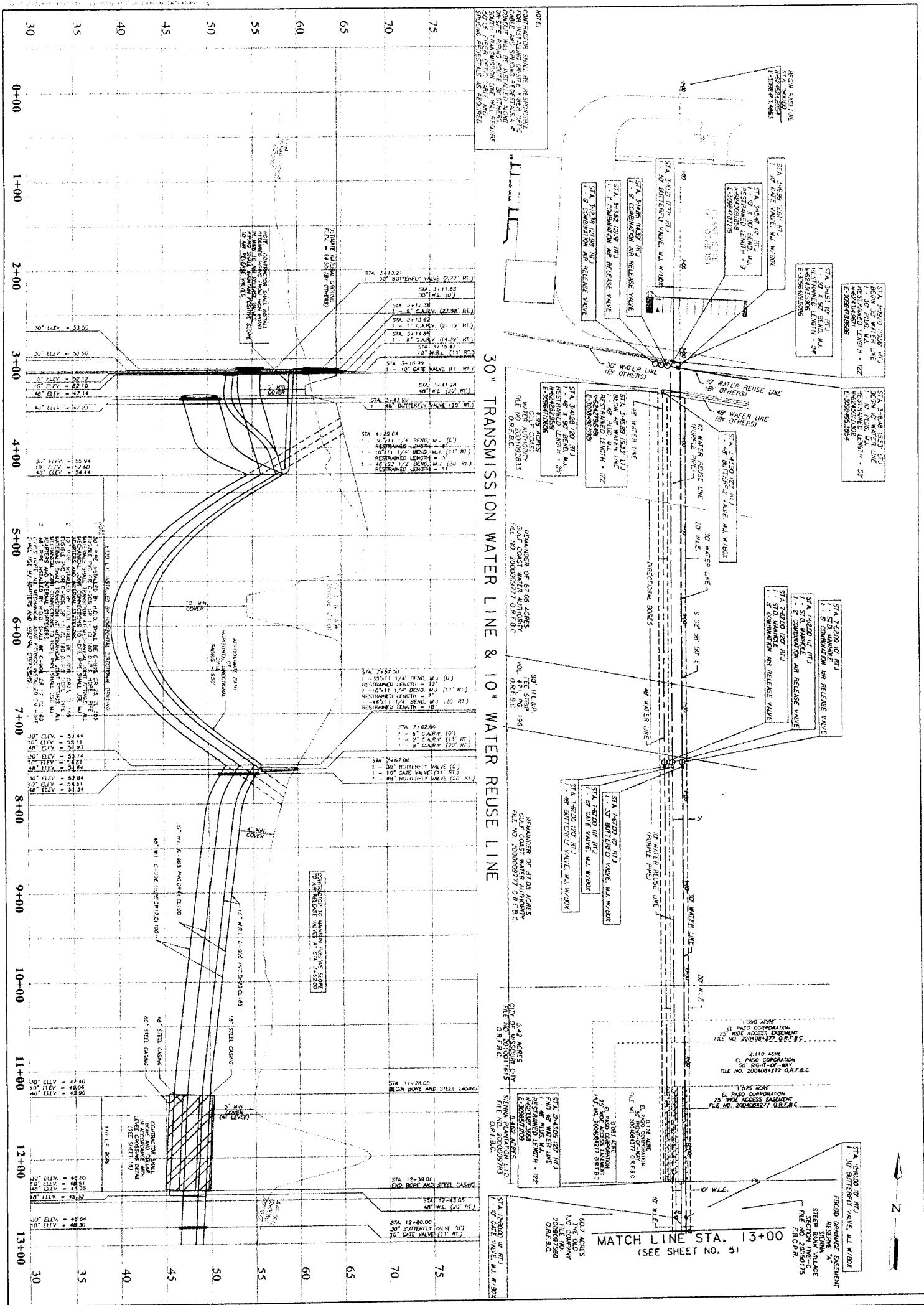


|                     |                 |
|---------------------|-----------------|
| DATE: 12/28/22      | SCALE: 1" = 40' |
| CHECKED BY: S.J.H.  |                 |
| DRAWN BY: F.H.      |                 |
| DESIGNED BY: J.A.B. |                 |

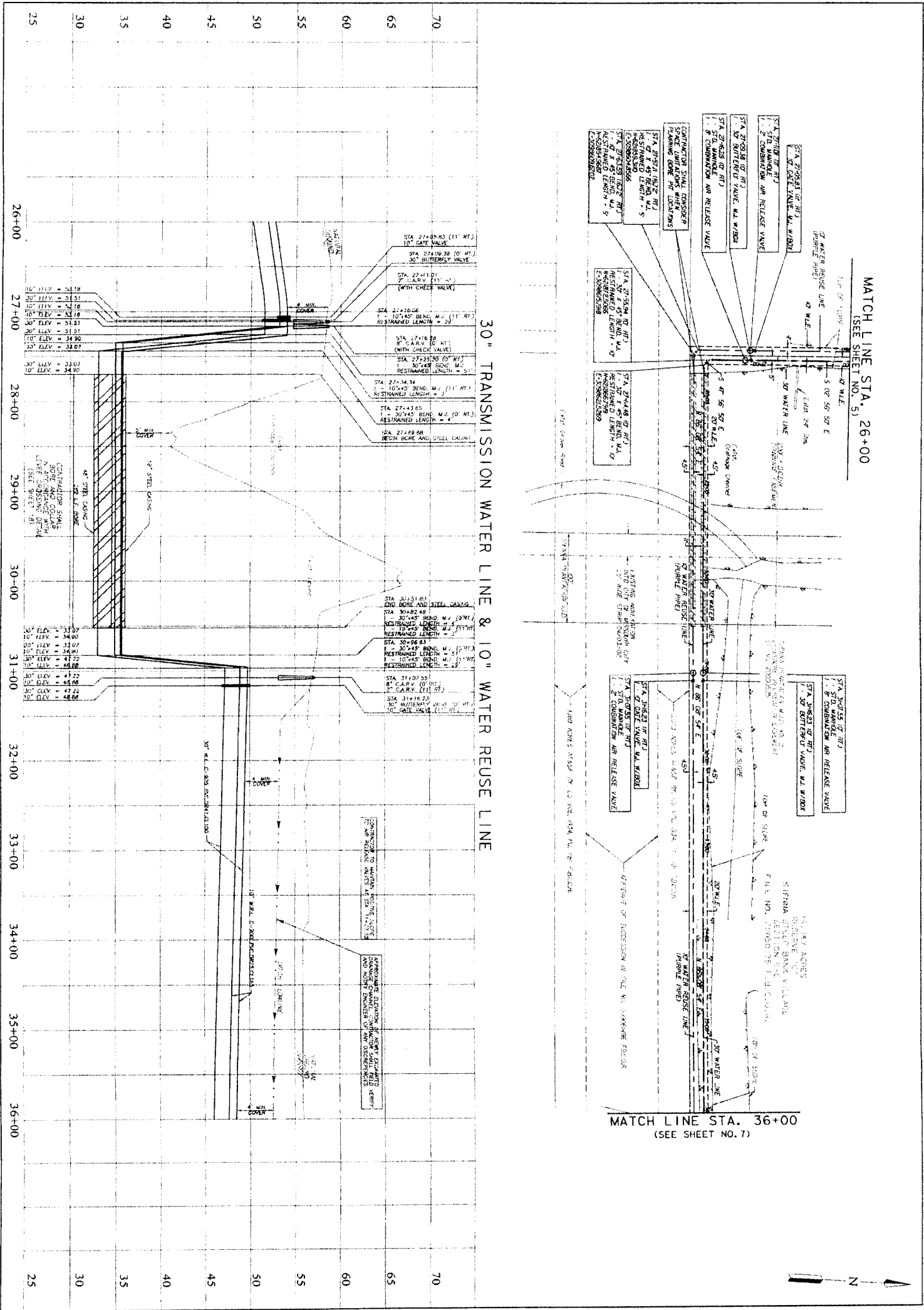
**ENPROTEC/HIBBS & TODD, INC.**  
ENVIRONMENTAL AND CIVIL ENGINEERING  
4400 West 10th Street  
Arlington, Texas 76010  
Phone: 817-440-8888  
Fax: 817-440-8889

CONSTRUCTION PLANS FOR  
CITY OF MISSOURI CITY  
SOUTH TRANSMISSION LINE (CONTRACT B)

WATER LINE LAYOUT

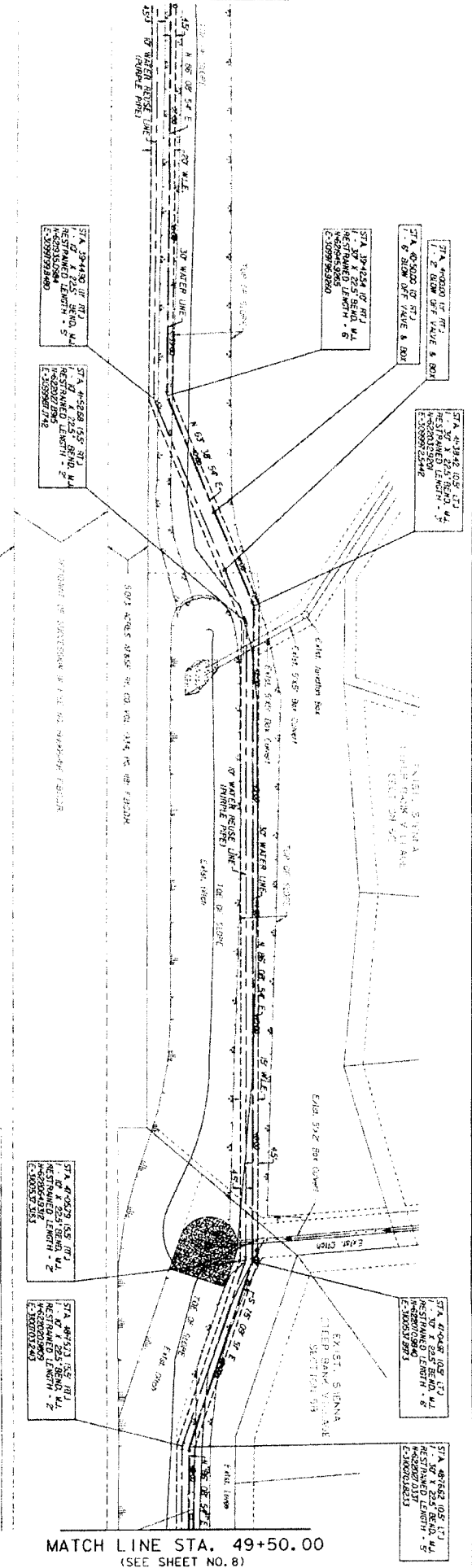






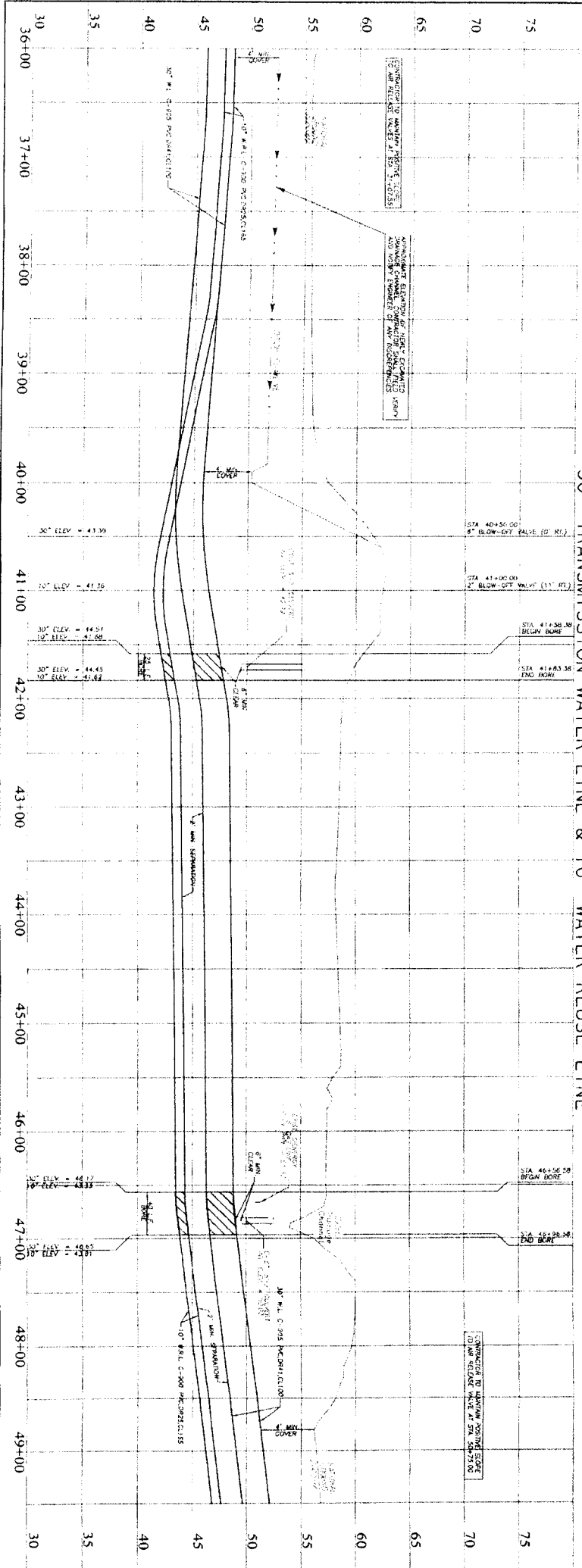
|                     |                                                                                         |                                                                                                                                                                                                                              |                                                                                       |                     |
|---------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------|
| 6 OF 19             | CONSTRUCTION PLANS FOR<br>CITY OF MISSOURI CITY<br>SOUTH TRANSMISSION LINE (CONTRACT B) |  <b>ENPROTEC/HIBBS &amp; TODD, INC.</b><br>ENVIRONMENTAL AND CIVIL ENGINEERING<br>402 Cedar Street<br>St. Louis, MO 63102<br>314-455-5555 |  | DESIGNED BY: J.A.B. |
|                     |                                                                                         |                                                                                                                                                                                                                              |                                                                                       | DRAWN BY: F.H.      |
|                     |                                                                                         |                                                                                                                                                                                                                              |                                                                                       | CHECKED BY: S.J.W.  |
|                     |                                                                                         |                                                                                                                                                                                                                              |                                                                                       | DATE: DECEMBER 2009 |
| STA. 26+00 TO 36+00 |                                                                                         |                                                                                                                                                                                                                              |                                                                                       |                     |

(SEE SHEET NO. 6)  
MATCH LINE STA. 36+00



MATCH LINE STA. 49+50.00  
(SEE SHEET NO. 8)

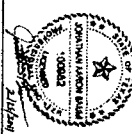
30" TRANSMISSION WATER LINE & 10" WATER REUSE LINE



CONSTRUCTION PLANS FOR  
CITY OF MISSOURI CITY  
SOUTH TRANSMISSION LINE (CONTRACT B)

STA. 36+00 TO 49+50

**eHT** **ENPROTEC/HIBBS & TODD, INC.**  
ENVIRONMENTAL AND CIVIL ENGINEERING  
402 Cedar Street  
200-400-0000  
First Registration No. 1111



|                     |                      |
|---------------------|----------------------|
| DESIGNED BY: J.A.H. | DATE: DECEMBER 2009  |
| DRAWN BY: J.T.H.    | SCALE: 1" = 10' PLAN |
| CHECKED BY: S.F.H.  |                      |
| DATE: DECEMBER 2009 |                      |

(SEE SHEET NO. 7)  
MATCH LINE STA. 49+50.00

STA 50+75 (0.5' LT)  
1. STD. MANHOLE AIR RELEASE VALVE  
1. 2" BLOW-OUT VALVE W/ BOX

STA 50+75 (0.5' RT)  
1. STD. MANHOLE AIR RELEASE VALVE  
1. 2" BLOW-OUT VALVE W/ BOX

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

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STEEL PLANK V.I. JOG  
ON ST. 104.08

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STEEL PLANK V.I. JOG  
ON ST. 104.08

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STEEL PLANK V.I. JOG  
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STEEL PLANK V.I. JOG  
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STEEL PLANK V.I. JOG  
ON ST. 104.08

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ON ST. 104.08

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STEEL PLANK V.I. JOG  
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ON ST. 104.08

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STEEL PLANK V.I. JOG  
ON ST. 104.08

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STEEL PLANK V.I. JOG  
ON ST. 104.08

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STEEL PLANK V.I. JOG  
ON ST. 104.08

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STEEL PLANK V.I. JOG  
ON ST. 104.08

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

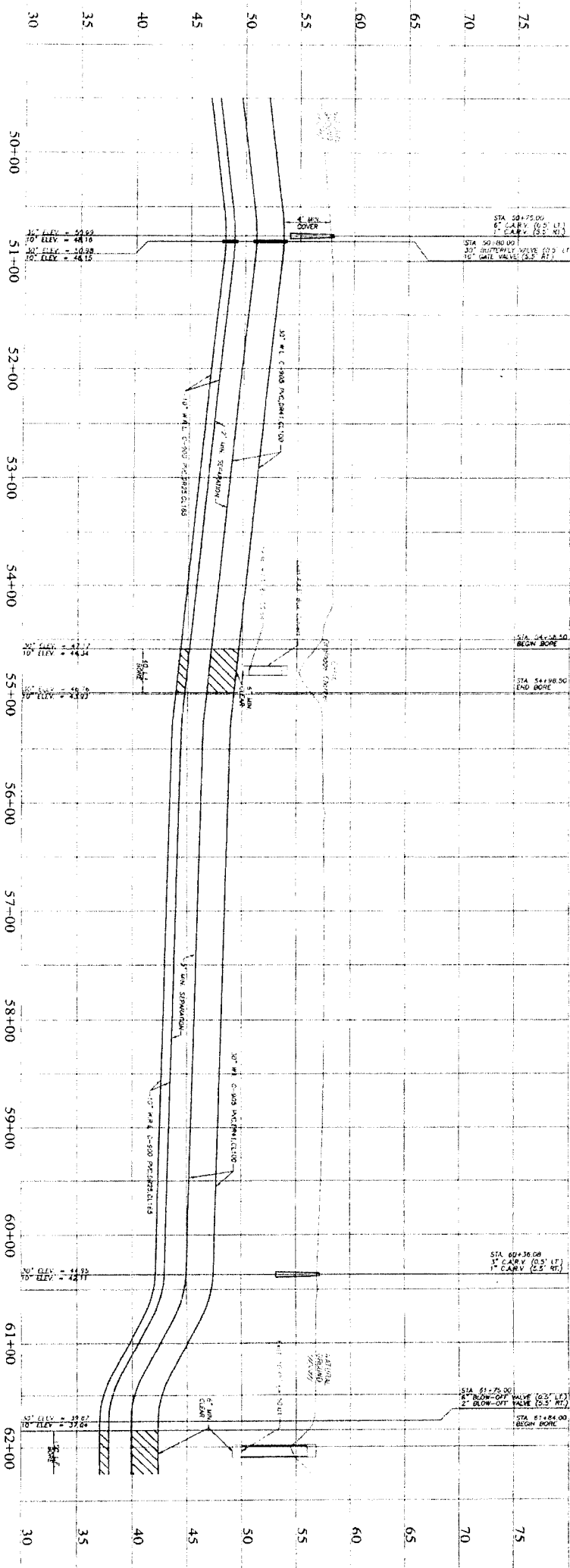
ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

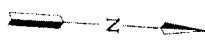
ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

ST. ST.  
STEEL PLANK V.I. JOG  
ON ST. 104.08

30" TRANSMISSION WATER LINE & 10" WATER REUSE LINE



MATCH LINE STA. 62+25  
(SEE SHEET NO. 9)



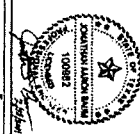
CONSTRUCTION PLANS FOR  
CITY OF MISSOURI CITY  
SOUTH TRANSMISSION LINE (CONTRACT B)

STA. 49+50 TO 62+25



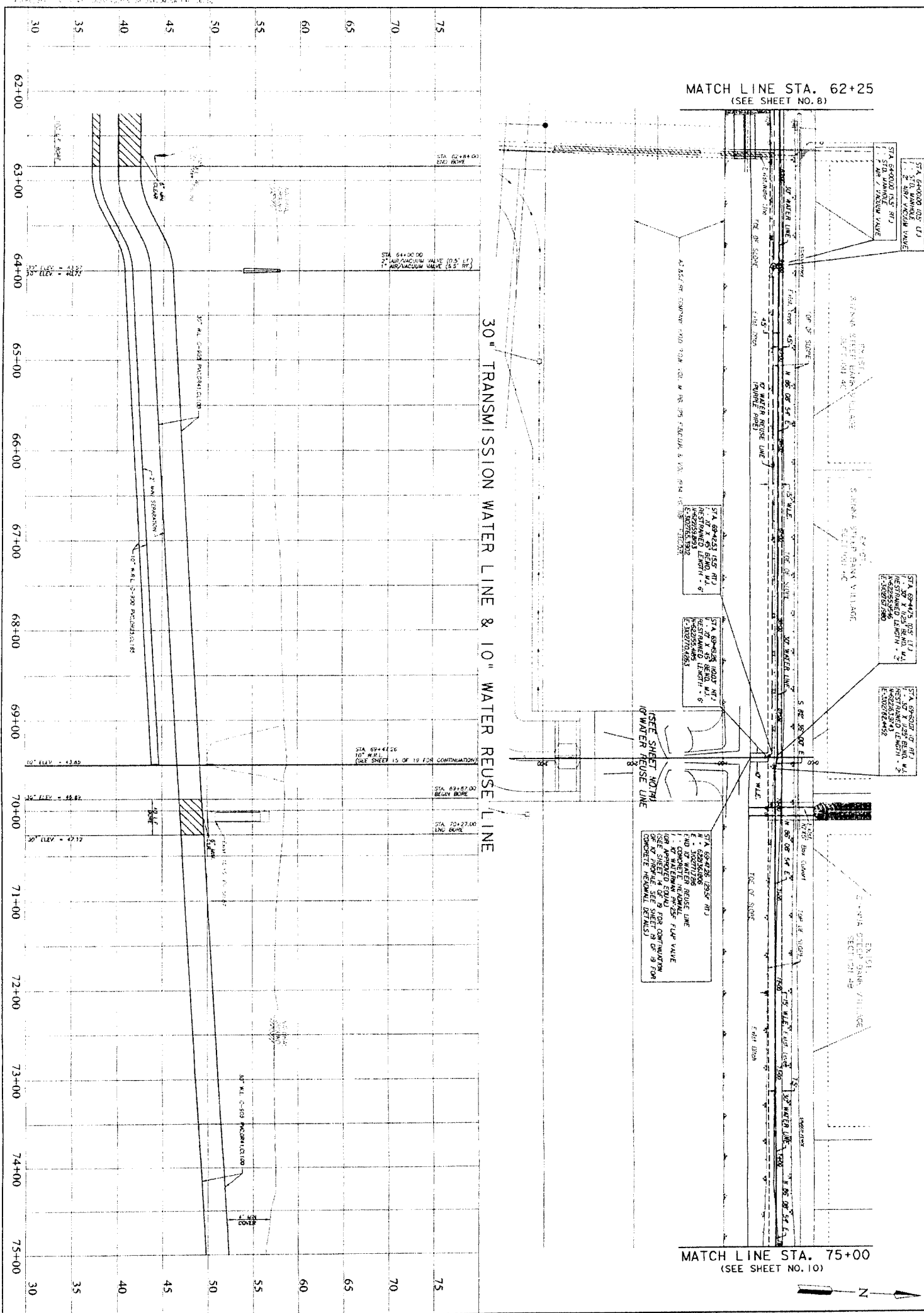
**ENPROTEC/HIBBS & TODD, INC.**  
ENVIRONMENTAL AND CIVIL ENGINEERING  
482 Cedar Street  
325-5550

Penn. Registration No. 1181



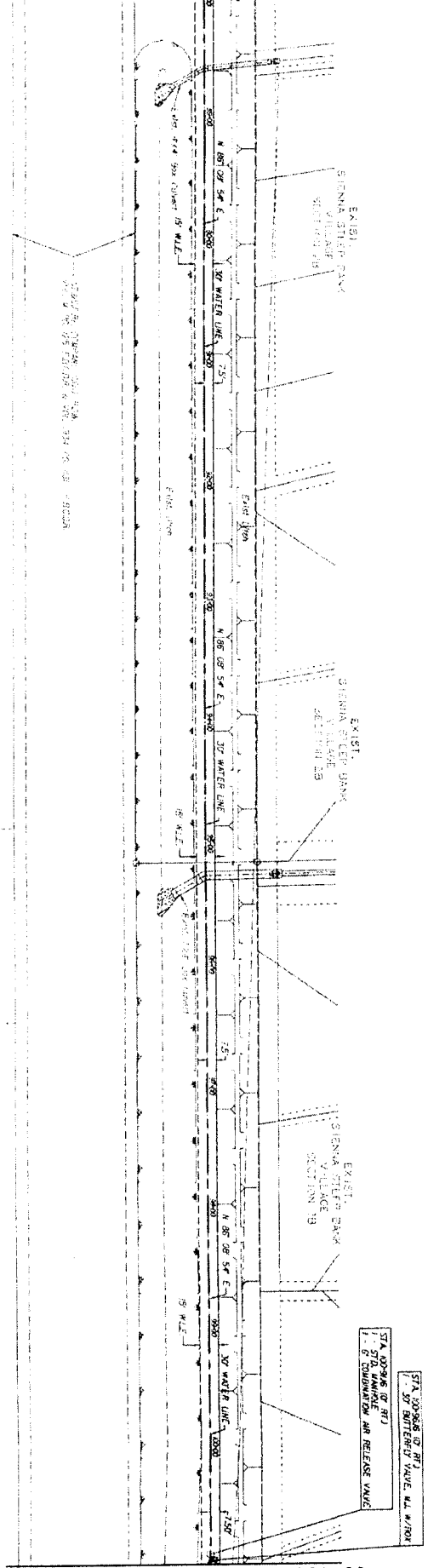
BAR IS ONE  
INCH IN  
ORIGINAL DRAWING  
IF NOT ONE INCH  
ON THIS SHEET  
ADJUST SCALES  
ACCORDINGLY.

DESIGNED BY: J.A.H.  
DRAWN BY: J.H.  
CHECKED BY: S.F.H.  
DATE: DECEMBER 2009  
SCALE: 1" = 50' HOR.  
1" = 5' VERT.



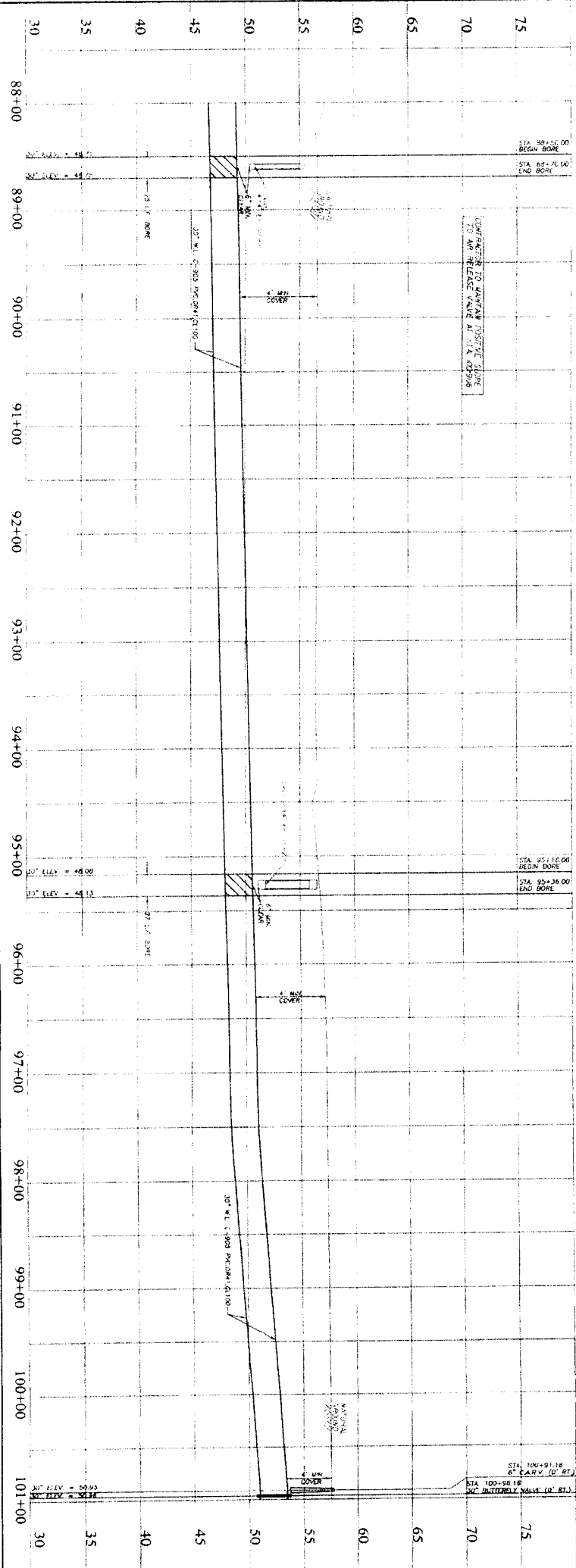


MATCH LINE STA. 88+00  
(SEE SHEET NO. 10)



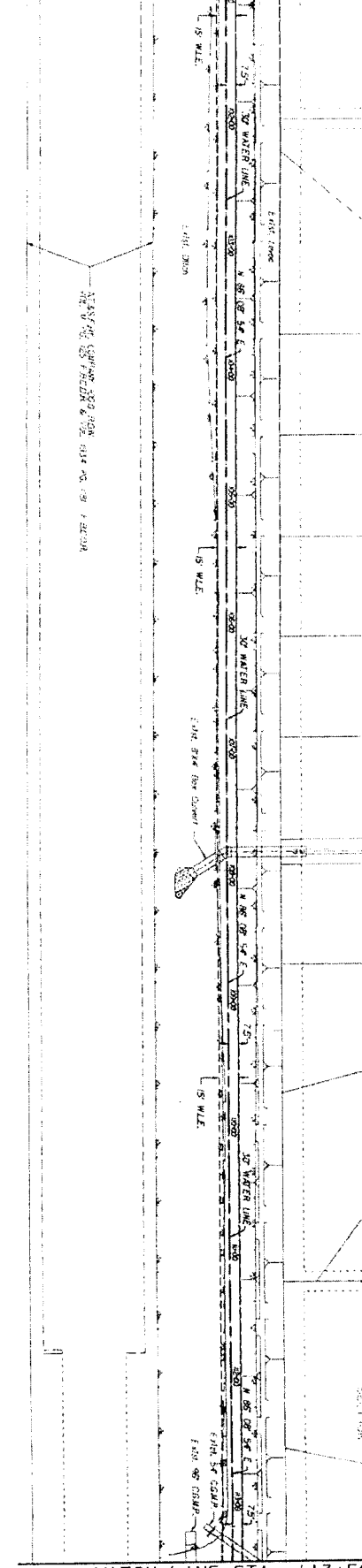
MATCH LINE STA. 101+00  
(SEE SHEET NO. 12)

30" TRANSMISSION WATER LINE

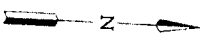


|                                                         |                                                                                         |                      |                                                                                                                                                                                                                              |                                                                                       |                                       |
|---------------------------------------------------------|-----------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------|
| 11 OF 19                                                | CONSTRUCTION PLANS FOR<br>CITY OF MISSOURI CITY<br>SOUTH TRANSMISSION LINE (CONTRACT B) | STA. 88+00 TO 101+00 |  <b>ENPROTEC/HIBBS &amp; TODD, INC.</b><br>ENVIRONMENTAL AND CIVIL ENGINEERING<br>402 Cedar Street<br>St. Louis, MO 63102<br>314-588-0000 |  | DESIGNED BY: J.A.B.                   |
|                                                         |                                                                                         |                      |                                                                                                                                                                                                                              |                                                                                       | DRAWN BY: P.H.                        |
|                                                         |                                                                                         |                      |                                                                                                                                                                                                                              |                                                                                       | CHECKED BY: S.F.H.                    |
|                                                         |                                                                                         |                      |                                                                                                                                                                                                                              |                                                                                       | DATE: DECEMBER 2009                   |
| IF NOT ONE INCH ON THIS SHEET ADJUST SCALES ACCORDINGLY |                                                                                         |                      |                                                                                                                                                                                                                              |                                                                                       | SCALE: 1" = 30' HORIZ<br>1" = 5' VERT |

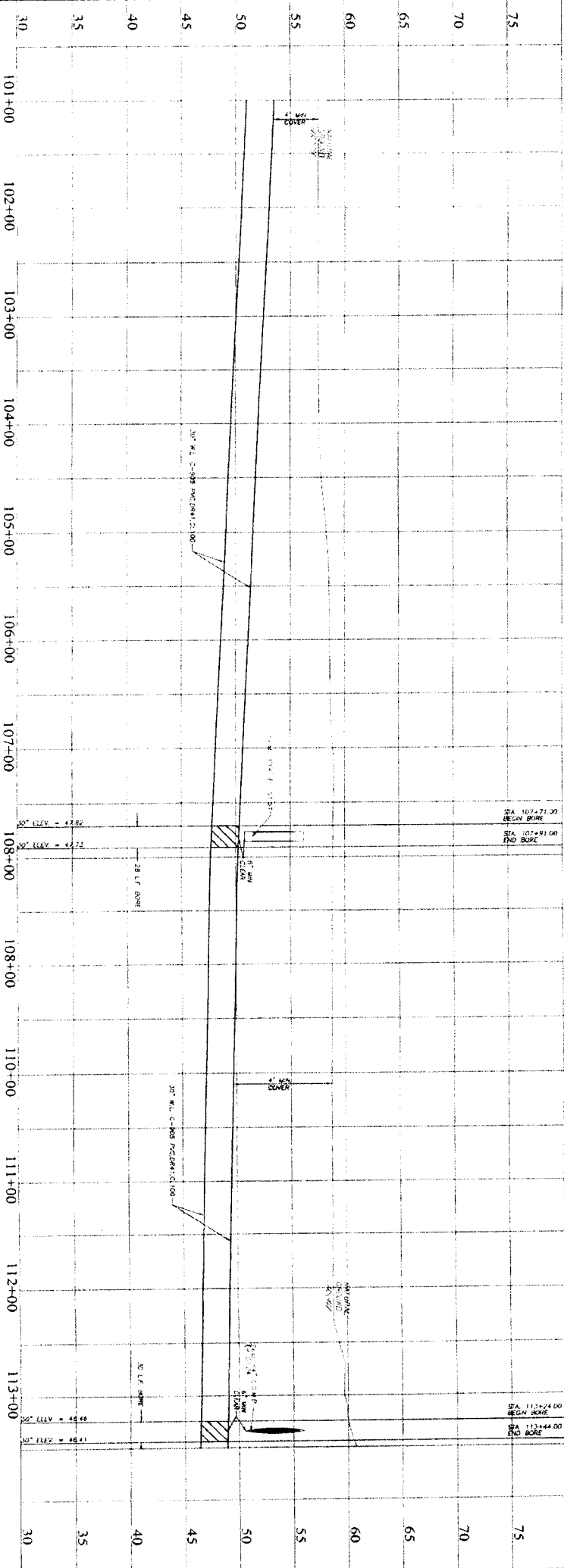
MATCH LINE STA. 101+00  
(SEE SHEET NO. 11)



MATCH LINE STA. 113+50  
(SEE SHEET NO. 13)



30" TRANSMISSION WATER LINE



CONSTRUCTION PLANS FOR  
CITY OF MISSOURI CITY  
SOUTH TRANSMISSION LINE (CONTRACT B)

STA. 101+00 TO 113+50

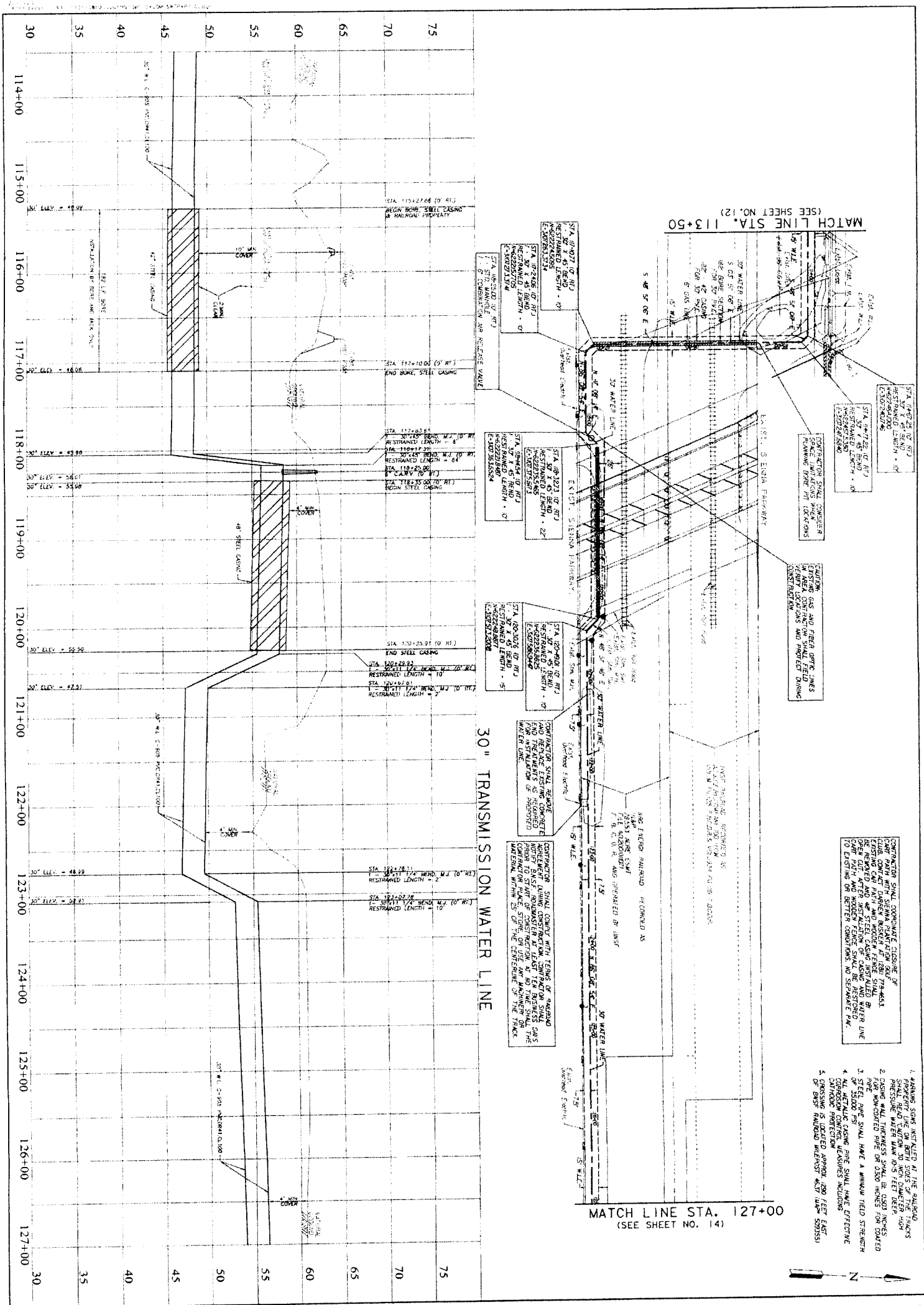


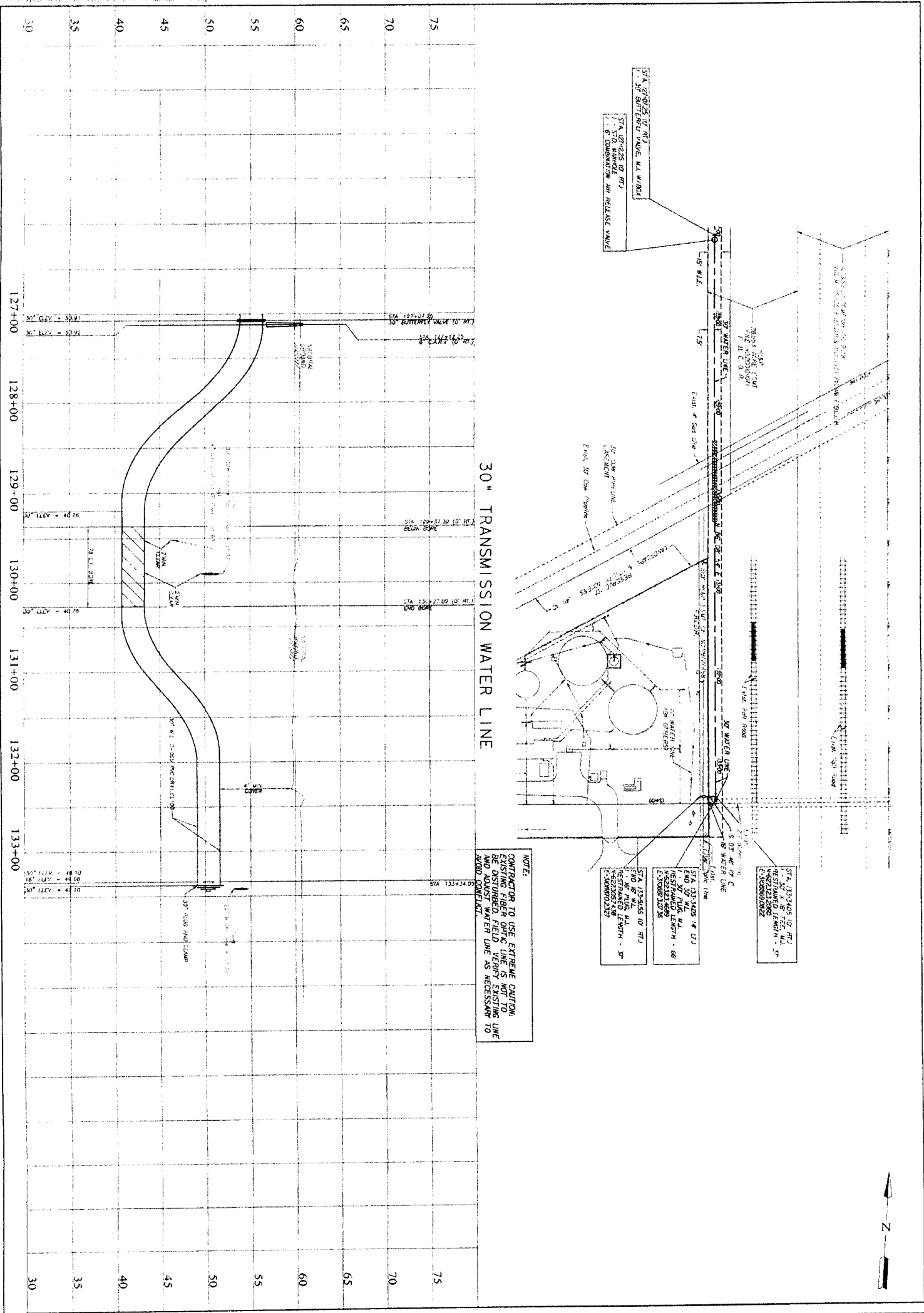
**ENPROTEC/HIBBS & TODD, INC.**  
ENVIRONMENTAL AND CIVIL ENGINEERING  
402 Cedar Street  
Arlene, Texas 79001  
214-665-8840



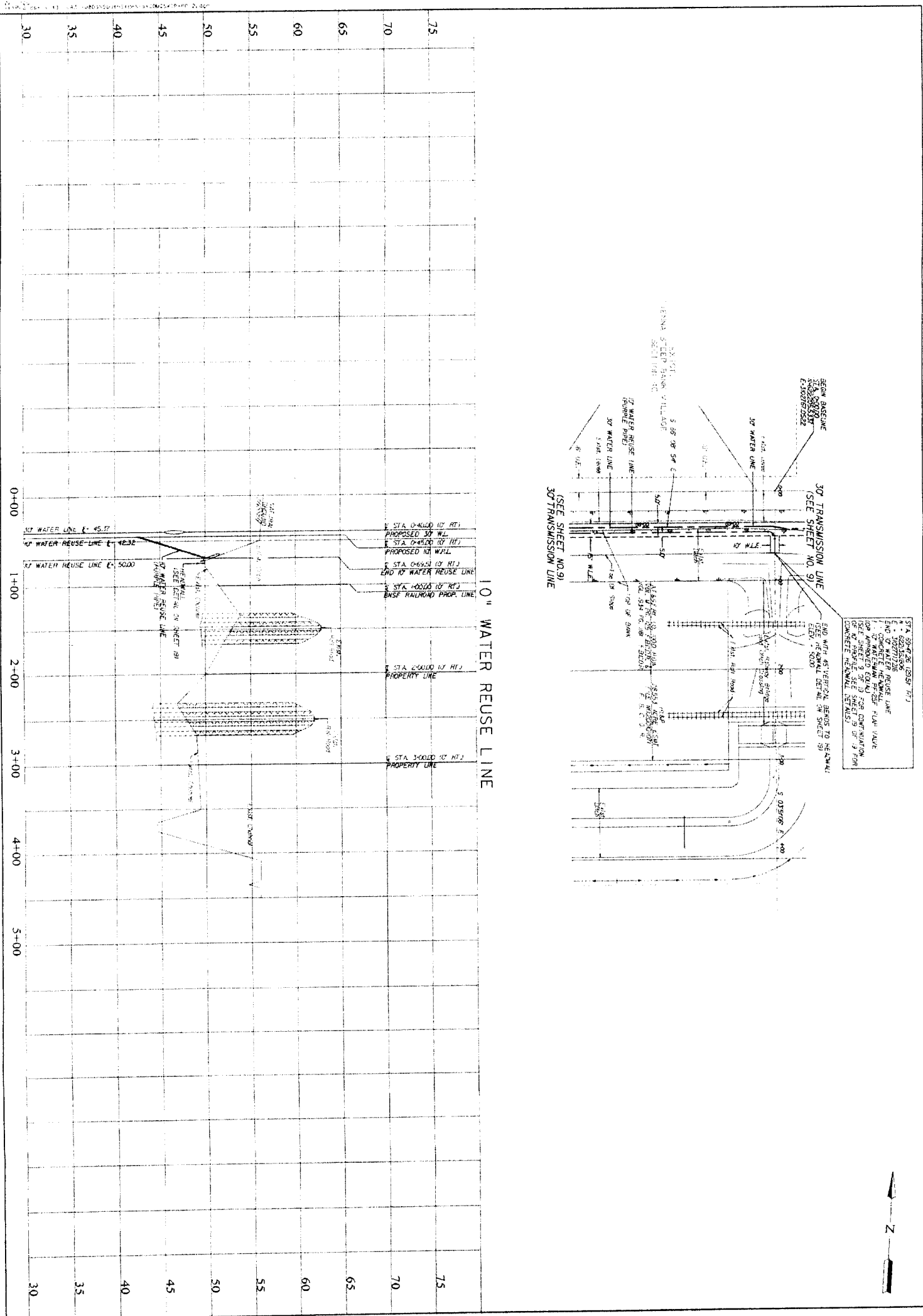
|                                         |
|-----------------------------------------|
| DESIGNED BY: JAB                        |
| DRAWN BY: FK                            |
| CHECKED BY: JFH                         |
| DATE: 11/14/2009                        |
| SCALE: 1" = 40' HORIZ.<br>1" = 5' VERT. |

12 OF 19





|                                         |                                                                                                  |                                                                                                                                                                                                         |                                                                                       |                     |
|-----------------------------------------|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------|
| <b>14 OF 19</b>                         | <b>CONSTRUCTION PLANS FOR<br/>CITY OF MISSOURI CITY<br/>SOUTH TRANSMISSION LINE (CONTRACT B)</b> |  <b>ENPROTEC/HIBBS &amp; TODD, INC.</b><br>ENVIRONMENTAL AND CIVIL ENGINEERING<br>603 Oak Ridge Road<br>320-600-6600 |  | DESIGNED BY: JAL    |
|                                         |                                                                                                  |                                                                                                                                                                                                         |                                                                                       | DRAWN BY: EHL       |
|                                         |                                                                                                  |                                                                                                                                                                                                         |                                                                                       | CHECKED BY: S.J.H.  |
|                                         |                                                                                                  |                                                                                                                                                                                                         |                                                                                       | DATE: DECEMBER 1999 |
| SCALE: 1" = 50' HORIZ.<br>1" = 5' VERT. |                                                                                                  |                                                                                                                                                                                                         |                                                                                       |                     |



15 OF 19

CONSTRUCTION PLANS FOR  
CITY OF MISSOURI CITY  
SOUTH TRANSMISSION LINE (CONTRACT 'B')

10" WATER REUSE LINE - STA. 0+00 TO END



ENPROTEC/HIBBS & TODD, INC.  
ENVIRONMENTAL AND CIVIL ENGINEERING  
400 Cedar Street  
250-585-5555



BAR IS ONE  
INCH ON  
ORIGINAL DRAWING

NOT ONE INCH  
ON THIS SHEET  
ADJUST SCALES  
ACCORDINGLY

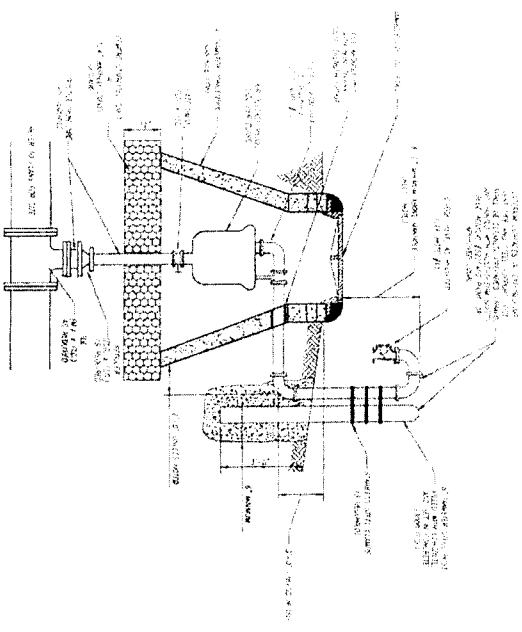
DESIGNED BY: JAB

DRAWN BY: FHH

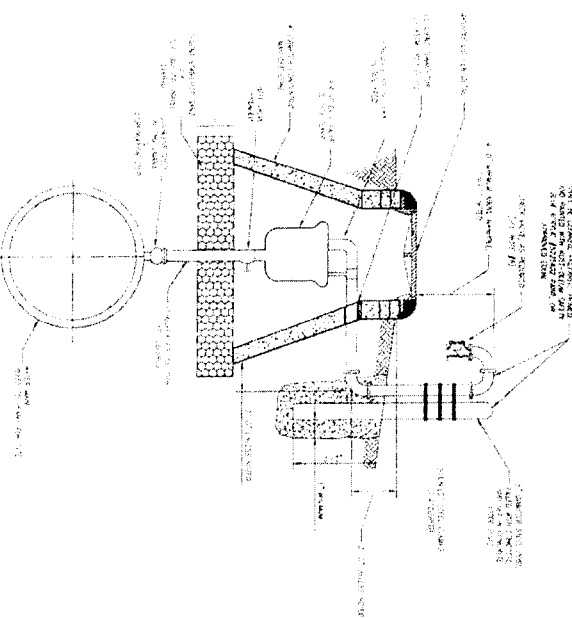
CHECKED BY: S.F.H.

DATE: DECEMBER 2009

SCALE: 1" = 50' HORIZ  
1" = 7' VERT

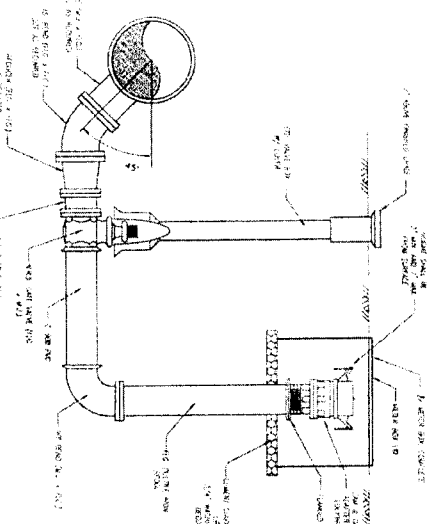


**AIR RELEASE VALVE DETAIL  
(LARGER THAN 2")**

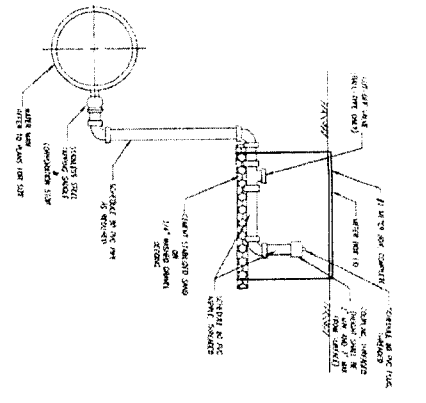


**AIR RELEASE VALVE DETAIL  
(2" AND SMALLER)**

| NO. | DESCRIPTION                | QTY. | UNIT |
|-----|----------------------------|------|------|
| 1   | 1/2" NPT AIR RELEASE VALVE | 1    | EA   |
| 2   | 1/2" NPT VENT PIPE         | 1    | EA   |
| 3   | 1/2" NPT ELBOW             | 1    | EA   |
| 4   | 1/2" NPT UNION             | 1    | EA   |
| 5   | 1/2" NPT NUT               | 1    | EA   |
| 6   | 1/2" NPT WASHER            | 1    | EA   |
| 7   | 1/2" NPT GASKET            | 1    | EA   |
| 8   | 1/2" NPT FLANGE            | 1    | EA   |
| 9   | 1/2" NPT BOLT              | 1    | EA   |
| 10  | 1/2" NPT NUT               | 1    | EA   |
| 11  | 1/2" NPT WASHER            | 1    | EA   |
| 12  | 1/2" NPT GASKET            | 1    | EA   |
| 13  | 1/2" NPT FLANGE            | 1    | EA   |
| 14  | 1/2" NPT BOLT              | 1    | EA   |
| 15  | 1/2" NPT NUT               | 1    | EA   |
| 16  | 1/2" NPT WASHER            | 1    | EA   |
| 17  | 1/2" NPT GASKET            | 1    | EA   |
| 18  | 1/2" NPT FLANGE            | 1    | EA   |
| 19  | 1/2" NPT BOLT              | 1    | EA   |
| 20  | 1/2" NPT NUT               | 1    | EA   |
| 21  | 1/2" NPT WASHER            | 1    | EA   |
| 22  | 1/2" NPT GASKET            | 1    | EA   |
| 23  | 1/2" NPT FLANGE            | 1    | EA   |
| 24  | 1/2" NPT BOLT              | 1    | EA   |
| 25  | 1/2" NPT NUT               | 1    | EA   |
| 26  | 1/2" NPT WASHER            | 1    | EA   |
| 27  | 1/2" NPT GASKET            | 1    | EA   |
| 28  | 1/2" NPT FLANGE            | 1    | EA   |
| 29  | 1/2" NPT BOLT              | 1    | EA   |
| 30  | 1/2" NPT NUT               | 1    | EA   |
| 31  | 1/2" NPT WASHER            | 1    | EA   |
| 32  | 1/2" NPT GASKET            | 1    | EA   |
| 33  | 1/2" NPT FLANGE            | 1    | EA   |
| 34  | 1/2" NPT BOLT              | 1    | EA   |
| 35  | 1/2" NPT NUT               | 1    | EA   |
| 36  | 1/2" NPT WASHER            | 1    | EA   |
| 37  | 1/2" NPT GASKET            | 1    | EA   |
| 38  | 1/2" NPT FLANGE            | 1    | EA   |
| 39  | 1/2" NPT BOLT              | 1    | EA   |
| 40  | 1/2" NPT NUT               | 1    | EA   |
| 41  | 1/2" NPT WASHER            | 1    | EA   |
| 42  | 1/2" NPT GASKET            | 1    | EA   |
| 43  | 1/2" NPT FLANGE            | 1    | EA   |
| 44  | 1/2" NPT BOLT              | 1    | EA   |
| 45  | 1/2" NPT NUT               | 1    | EA   |
| 46  | 1/2" NPT WASHER            | 1    | EA   |
| 47  | 1/2" NPT GASKET            | 1    | EA   |
| 48  | 1/2" NPT FLANGE            | 1    | EA   |
| 49  | 1/2" NPT BOLT              | 1    | EA   |
| 50  | 1/2" NPT NUT               | 1    | EA   |
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| 52  | 1/2" NPT GASKET            | 1    | EA   |
| 53  | 1/2" NPT FLANGE            | 1    | EA   |
| 54  | 1/2" NPT BOLT              | 1    | EA   |
| 55  | 1/2" NPT NUT               | 1    | EA   |
| 56  | 1/2" NPT WASHER            | 1    | EA   |
| 57  | 1/2" NPT GASKET            | 1    | EA   |
| 58  | 1/2" NPT FLANGE            | 1    | EA   |
| 59  | 1/2" NPT BOLT              | 1    | EA   |
| 60  | 1/2" NPT NUT               | 1    | EA   |
| 61  | 1/2" NPT WASHER            | 1    | EA   |
| 62  | 1/2" NPT GASKET            | 1    | EA   |
| 63  | 1/2" NPT FLANGE            | 1    | EA   |
| 64  | 1/2" NPT BOLT              | 1    | EA   |
| 65  | 1/2" NPT NUT               | 1    | EA   |
| 66  | 1/2" NPT WASHER            | 1    | EA   |
| 67  | 1/2" NPT GASKET            | 1    | EA   |
| 68  | 1/2" NPT FLANGE            | 1    | EA   |
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| 73  | 1/2" NPT FLANGE            | 1    | EA   |
| 74  | 1/2" NPT BOLT              | 1    | EA   |
| 75  | 1/2" NPT NUT               | 1    | EA   |
| 76  | 1/2" NPT WASHER            | 1    | EA   |
| 77  | 1/2" NPT GASKET            | 1    | EA   |
| 78  | 1/2" NPT FLANGE            | 1    | EA   |
| 79  | 1/2" NPT BOLT              | 1    | EA   |
| 80  | 1/2" NPT NUT               | 1    | EA   |
| 81  | 1/2" NPT WASHER            | 1    | EA   |
| 82  | 1/2" NPT GASKET            | 1    | EA   |
| 83  | 1/2" NPT FLANGE            | 1    | EA   |
| 84  | 1/2" NPT BOLT              | 1    | EA   |
| 85  | 1/2" NPT NUT               | 1    | EA   |
| 86  | 1/2" NPT WASHER            | 1    | EA   |
| 87  | 1/2" NPT GASKET            | 1    | EA   |
| 88  | 1/2" NPT FLANGE            | 1    | EA   |
| 89  | 1/2" NPT BOLT              | 1    | EA   |
| 90  | 1/2" NPT NUT               | 1    | EA   |
| 91  | 1/2" NPT WASHER            | 1    | EA   |
| 92  | 1/2" NPT GASKET            | 1    | EA   |
| 93  | 1/2" NPT FLANGE            | 1    | EA   |
| 94  | 1/2" NPT BOLT              | 1    | EA   |
| 95  | 1/2" NPT NUT               | 1    | EA   |
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| 100 | 1/2" NPT NUT               | 1    | EA   |

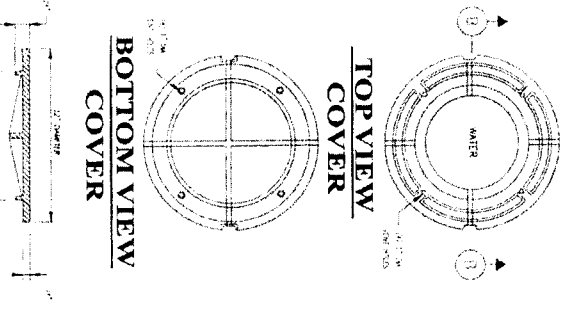


**4" & 6" BLOW-OFF VALVE ASSEMBLY**



**2" BLOW-OFF ASSEMBLY**

NOTES:  
1. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.  
2. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.  
3. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.  
4. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.  
5. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.  
6. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.  
7. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.  
8. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.  
9. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.  
10. THE BLOW-OFF VALVE SHALL BE INSTALLED IN THE MAIN LINE OF THE SEWER SYSTEM.



**SECTION B  
MANHOLE LID**

|             |               |
|-------------|---------------|
| DESIGNED BY | J.A.H.        |
| DRAWN BY    | F.H.          |
| CHECKED BY  | S.P.M.        |
| DATE        | DECEMBER 2009 |
| SCALE       | NOT TO SCALE  |

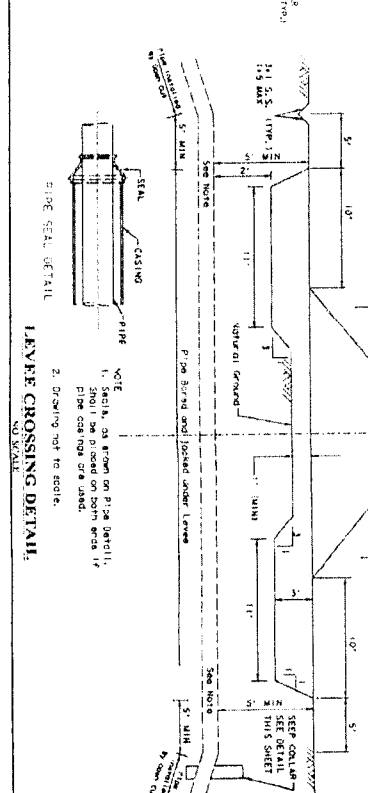
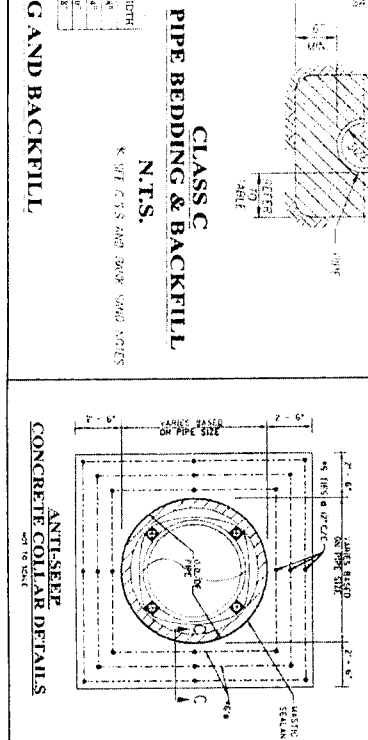
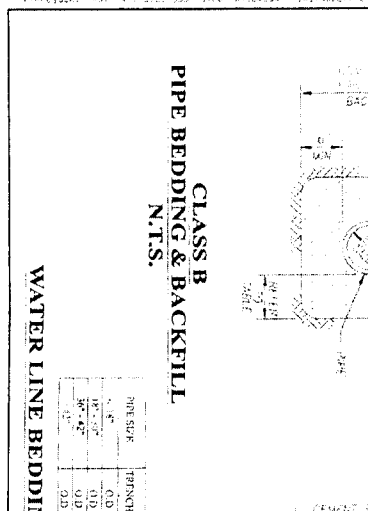
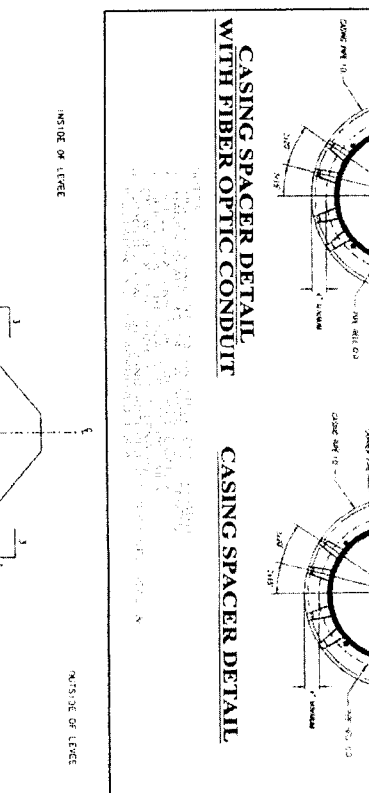
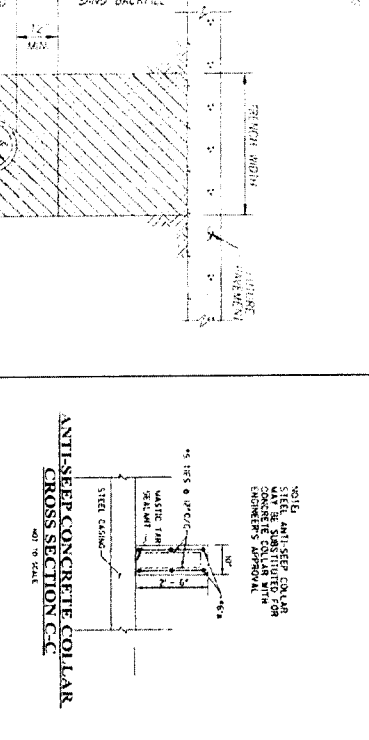
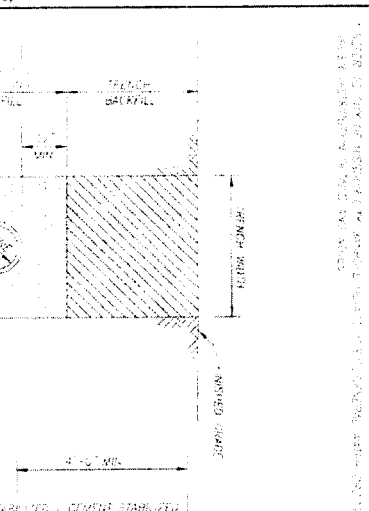
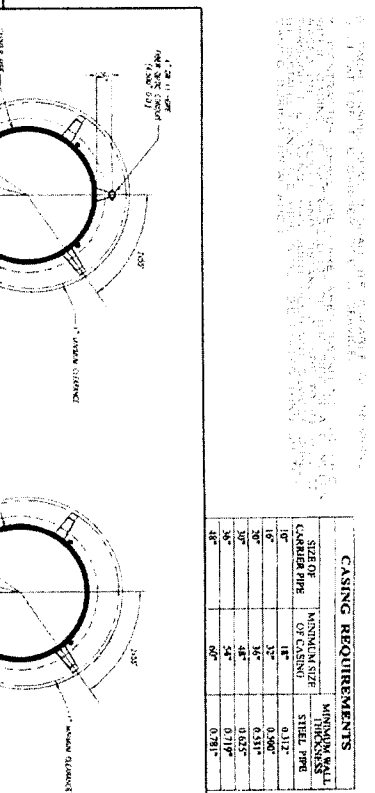
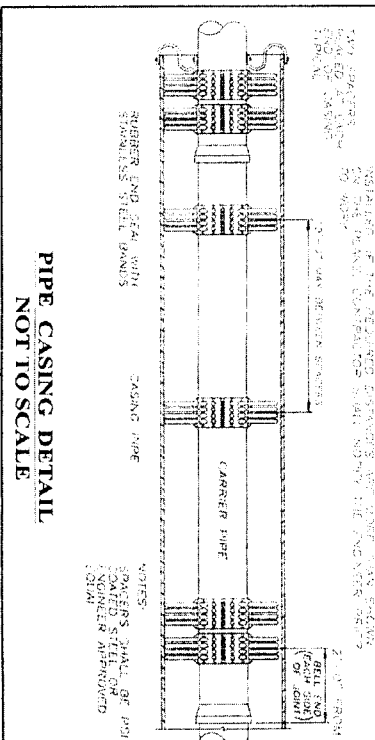
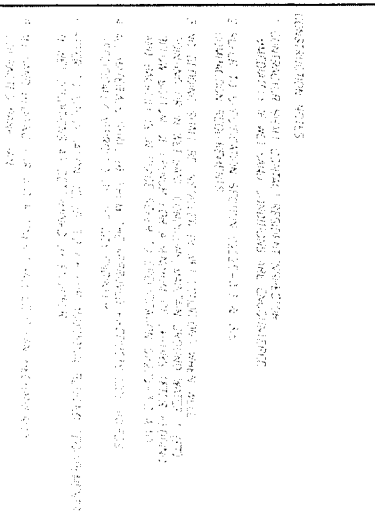
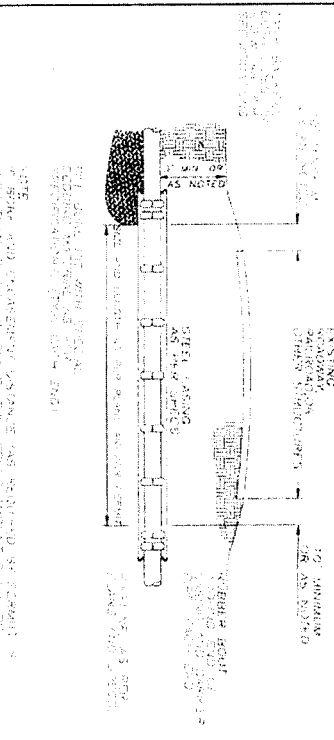
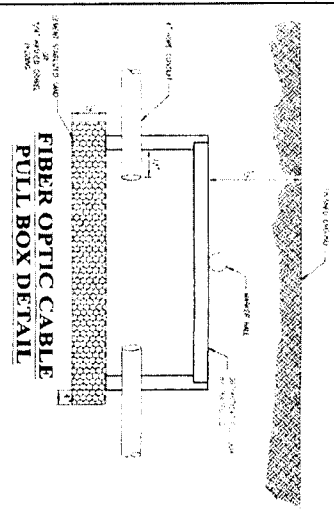
**ENPROTEC/HIBBS & TODD, INC.**  
ENVIRONMENTAL AND CIVIL ENGINEERING  
402 Cedar Street  
323-666-0000

Address: Yonkers, NY 10591  
Firm Registration No. 1115

CONSTRUCTION PLANS FOR  
CITY OF MISSOURI CITY  
SOUTH TRANSMISSION LINE (CONTRACT B)

MISCELLANEOUS DETAILS NO. 1





|             |               |
|-------------|---------------|
| DESIGNED BY | J.A.B.        |
| DRAWN BY    | F.R.          |
| CHECKED BY  | S.F.H.        |
| DATE        | DECEMBER 2009 |
| SCALE       | NOT TO SCALE  |





**ENPROTEC/HIBBS & TODD, INC.**  
ENVIRONMENTAL AND CIVIL ENGINEERING  
402 Cedar Street  
St. Louis, MO 63102  
Pm Registration No. 1161

