STANDARD UTILITIY AGREEMENT SUPPLEMENTAL AGREEMENT No. 1 TO CR 110 South

This Supplemental Agreement is made pursuant to the terms and conditions of the Agreed entered into by and between Williamson County, Texas, a political subdivision of the State of Texas, (*the "County"*) and Atmos Energy Corporation. (*the "Utility"*) and shall be effective upon the date of acceptance and execution by and on behalf of the County.

Whereas, the County and Utility executed a Standard Utility Agreement on November 15, 2016, concerning the adjustment, relocation, or removal of certain of Utility's facilities;

Whereas, said Standard Utility Agreement limits the required scope of work and/or the amount of eligible reimbursement;

Whereas, due to the newly discovered information by the Utility deemed sufficient by the County, the County and Utility agree that supplementation to the Standard Utility Agreement is necessary; and

Whereas, the statement of work contained in the Standard Utility Agreement shall be supplemented to include: <u>Installation of Approximate 668 linear feet of 8" HDPE pipeline with approximately 142 linear feet of 12" steel casing</u>, which is more specifically shown in **Utility's** plans, specifications, estimated costs and schedule which are attached to this supplemental agreement as Attachment "A".

Now, Therefore, Be It Agreed:

The statement of work contained in the Standard Utility Agreement is supplemented to include the additional adjustment, relocation or removal found in Attachment "A".

The estimated cost of the adjustment, relocation or removal is **increased** by <u>\$77,960.58</u> for a total of <u>\$276,406.48</u>. The parties agree that the approval of estimated costs in no way indicates the eligibility of said costs for reimbursement.

All conditions and agreements contained in the Standard Utility Agreement except those specifically included in this document remain in effect.

Form Wilco-U-COA Rev. 7/20/11

STANDARD UTILITIY AGREEMENT SUPPLEMENTAL AGREEMENT No<u>1</u> TO <u>CR 110 South</u> (con't.)

The signatories to this agreement warrant that each has the authority to enter into this agreement on behalf of the party represented.

IN WITNESS WHEREOF, the parties hereto have affixed their signatures.

| UTILITY | WILLIAMSON COUNTY |
|-------------------------------------------------------|----------------------------------|
| Utility: Atmos Energy Corporation Name of Utility | By: Authorized Signature |
| By: Myley & Formal Authorized Signature | Dan A. Gattis Print or Type Name |
| Jeffrey S. Knights | |
| Fitle: VP Technical Services Atmos Energy Corporation | Title: Williamson County Judge |
| Mid-Tex Division Date: 10/19/17 | Date: 11-02-2017 |

ATTACHMENT "A"

Plans and Estimates:

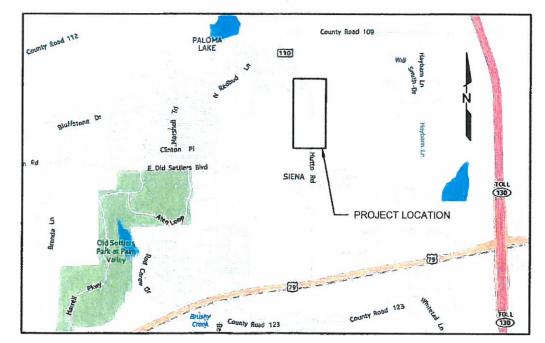
GAS UTILITY RELOCATION PLAN

GAS UTILITY RELOCATION
PROPOSED HDPE PIPELINE
C.R. 110 WIDENING
CITY OF ROUND ROCK, WILLIAMSON COUNTY, TEXAS



OWNER: ATMOS ENERGY 5420 LBJ FREEWAY DALLAS, TEXAS 75240

REV. NO. DRAWING INDEX 0 UEI-080.52459-23044-1101 COVER SHEET / INDEX 0 UEI-080.52459-23044-1202 GENERAL NOTES / PIPE DATA 0 UEI-080.52459-23044-1303 PLAN AND CROSS SECTION - STA 154+62 0 UEI-080.52459-23044-1304 PLAN AND PROFILE - STA 172+00 TO STA. 177+00 0 UEI-080.52459-23044-1305 PLAN AND PROFILES - STA 178+00 TO STA. 184+00



LOCATION MAP



LIMMS J MST. A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, HEREBY CERTIFICATION THAT THE GYAL AND MECHANICAL DESIGN OF THE PIPPLIER AND RELATED ASSEMBLY SHARED ASSEMBLY ASSEMBLY



| DATE | REVISION |
|----------|--------------------------|
| 11/19/15 | ISSUED FOR CLIENT REVIEW |
| 12/14/15 | ISSUED FOR BID |
| 07/01/16 | ISSUED FOR CONSTRUCTION |
| | |
| | |
| | 12/14/15 |



UniversalPegasus
INTERNATIONAL
Affaithing of Plateinguis legals industrie
The Basic March March (1998)
4940 Loop Carriert (1998)
4940 Loop Carriert

| PROJ. MGR.: MARTIN | NPEREZ | |
|---------------------|--------------------------|------------------|
| PROJECT NO.: 080.5 | UEI JOB NO.: 23044 | |
| DRAWN BY: UEI | CHECKED BY: HJK | APPROVED BY: JTS |
| UPI DOC. CONTROL NO |).: 23044- 505-GNW-00001 | DATE: 11/17/15 |

GAS UTILITY RELOCATION PROPOSED ATMOS ENERGY PIPELINE C.R. 110 WIDENING CITY OF ROUND ROCK

| | | IVER SHEET / II | ADEX | | | | |
|---------|-----------|------------------|-------|---|----|---|------|
| WILLIAM | SON COUNT | Υ | | | | | TEXA |
| SCALE: | AS SHOWN | | SHEET | 1 | OF | 5 | RE |
| DRAWING | S NO. | UEI-080.52459-23 | | 0 | | | |

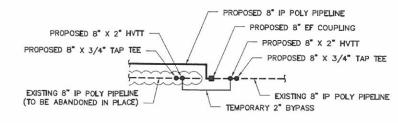
HDPE NOTES:

- CONSTRUCT IN ACCORDANCE WITH CFR TITLE 49, PART 192 AND COMPANY'S GENERAL SPECIFICATIONS AND PROCEDURES.
- 2. CROSSINGS AT PUBLIC ROADS AND HIGHWAYS WILL MEET REQUIREMENTS OF TXDOT UAP/UAR (IF APPLICABLE).
- 3. MINIMUM COVER REQUIREMENTS TO TOP OF PIPE.

PARALLEL TO RIGHT-OF-WAY: 36" BELOW SOIL NOT TO EXCEED: 42" BELOW SOIL HIGHWAY CROSSING: 30" BELOW PAVEMENT NOT TO EXCEED: 60" BELOW PAVEMENT X-ING BAR DITCHES: 30" BELOW SOIL NOT TO EXCEED: 48" BELOW SOIL WHERE PRACTICABLE

- 4. INHIBITOR: __ GAL METHANOL: __ GAL (ENTIRE LINE)
- 5. CATHODIC PROTECTION:
 - ANODES: INSTALL ___ LB. ANODES PER DWG. STD. RECTIFIER TO BE INSTALLED AFTER PROJECT COMPLETION. A EXISTING CATHODIC PROTECTION TO BE USED. ☐ RECTIFIER TO BE INSTALLED AS PART OF CONSTRUCTION PROJECT. POLY SYSTEM, CATHODIC PROTECTION NOT REQUIRED.
- ALL DISTANCES SHOWN ARE HORIZONTAL SURFACE DISTANCES.
- PROPOSED AND KNOWN EXISTING PIPELINES ALONG WITH ALL KNOWN UNDERGROUND OBSTRUCTIONS TO BE STAKED PRIOR TO CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PREVIOUSLY UNDISCOVERED UNDERGROUND OBSTRUCTIONS.
- 8. CONTRACTOR SHALL MAINTAIN A MINIMUM OF 18" OPEN CUT/48" BORE OR HORIZONTAL DIRECTIONAL DRILL (HDD) CLEARANCE BETWEEN PIPELINE AND ALL UNDERGROUND OBSTRUCTIONS. IF ALL UNDERGROUND UTILITIES CAN BE LOCATED BY POT HOLING, THEN BORE OR HDD CLEARANCE MAY BE WAIVED TO 18" MINIMUM BY THE ON-SITE ATMOS ENERGY REPRESENTATIVE.
- NO DISTURBANCE WITHIN 3 FEET HORIZONTALLY OF EXISTING ATMOS ENERGY PIPELINES WITHOUT PRIOR APPROVAL BY ATMOS ENERGY. AN ATMOS ENERGY REPRESENTATIVE MUST BE PRESENT DURING ANY CONSTRUCTION ACTIVITIES AROUND OR OVER ATMOS ENERGY PIPELINES.
- 10. UNIVERSAL ENSCO, INC. MAKES NO WARRANTY (EXPRESS, IMPLIED OR OTHERWISE)
 THAT THE INFORMATION CONTAINED HEREIN IS ACCURATE OR COMPLETE AS TO ANY
 AND ALL SUBSURFACE CONDITIONS. ANY RELIANCE CONTRACTOR PLACES ON THE INFORMATION CONTAINED HEREIN AS TO SUCH CONDITIONS IS DONE SO AT CONTRACTOR'S OWN RISK AND EXPENSE IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE STATE "ONE CALL" SYSTEM PRIOR TO ANY
- THE CONTRACTOR SHALL CONTACT ATMOS ENERGY REPRESENTATIVE SHANE STARK (OFFICE: 512-310-3870) AT LEAST 72 HOURS (3 BUSINESS DAYS) BEFORE COMMENCING WORK THAT WOULD AFFECT ANY UNDERGROUND UTILITIES. THE CONTRACTOR SHALL NOTIFY THE CITY FOR LOCATION OF WATER AND SANITARY SERVICES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF ALL UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL CONTACT THE STATE ONE CALL SYSTEM AT 1-800-545-6005 AND DIG TESS AT 1-800-344-8377 AT LEAST 48 HOURS (2 BUSINESS DAYS) BEFORE COMMENCING WORK THAT WOULD AFFECT ANY
- 13. CONTRACTOR TO GATHER AND DELIVER X-Y-Z AS-BUILT DIMENSIONS FOR ALL POINTS OF INFLECTION AND TIE-INS.
- 14. CONTRACTOR SHALL INSTALL APPROVED TRACING WIRE ALONG THE ENTIRE LENGTH AND ADJACENT TO POLYETHYLENE PIPE. TRACER WIRE TO BE INSTALLED APPROXIMATELY TWO TO FOUR INCHES FROM PIPE AND ON SAME APPROXIMATE ELEVATION AS PIPE. TRACER SHALL BE INSTALLED ALONG WITH POLYETHYLENE PIPE IN DIRECTIONAL BORES. CONTRACTOR SHALL INSTALL ATMOS ENERGY SUPPLIED TRACER WIRE TEST BOXES APPROXIMATELY EVERY 500 FEET AS DIRECTED BY THE
- 15. CONTRACTOR SHALL INSTALL ATMOS ENERGY SUPPLIED PIPELINE MARKERS (T-POST WITH BOLT ON SIGNS) APPROXIMATELY EVERY 400 FEET AS DIRECTED BY THE ON-SITE ATMOS ENERGY REPRESENTATIVE.
- 16. CONTRACTOR TO COORDINATE WITH THE ON-SITE ATMOS ENERGY REPRESENTATIVE FOR IMPLEMENTATION OF THE SWPPP (IF REQUIRED).
- 17. THESE DRAWINGS ARE FOR REFERENCE ONLY, GAS LINE LOCATIONS AND OTHER MEASUREMENTS SHOWN ON THESE MAPS ARE APPROXIMATE. ATMOS ENERGY DOES NOT GUARANTEE THE ACCURACY OF THESE MAPS NOR DOES ATMOS ENERGY ASSUME ANY RESPONSIBILITY OR LIABILITY FOR RELIANCE THEREON. ANY RELIANCE ON THIS INFORMATION IS DONE AT CONTRACTOR'S OWN RISK.
- 18. UNIVERSAL ENSCO, INC. ADDED THE PROPOSED ATMOS ENERGY PIPELINE TO THE EXISTING DRAWINGS PROVIDED BY COBB FENDLEY & ASSOCIATES, INC.
- 19. IF VOIDS ARE ENCOUNTERED, EXCAVATION SHOULD STOP IMMEDIATELY AND CONTACT ATMOS REPRESENTATIVE MARY JOHNSON (OFFICE: 214-206-2863, CELL: 972-754-6220) TO PERFORM AN INVESTIGATION OF THE VOIDS.
- 20. CONTRACTOR SHALL PROVIDE ALL MATERIALS REQUIRED TO FILL FALSE HOLES CREATED FROM DIRECTIONAL DRILLS AFTER PIPE REMOVAL WITH FLOWABLE FILL.

21. CONTRACTOR VERIFY THE LOCATION, RELOCATION, ABANDONMENT, AND/OR TEMPORARY SUPPORT OF ALL UTILITIES AFFECTED BY THE CONSTRUCTION OF THE STRUCTURE AND EMBANKMENT AND COORDINATE THESE ACTIVITIES WITH THE APPROPRIATE UTILITY COMPANIES, AGENCIES, AND/OR AUTHORITIES, FOR INFORMATION ON, AND RELOCATION OF, FIBER OPTIC CABLE, CALL 1-800-336-9193. SEE EXISTING UTILITY SHEETS.



TYPICAL TIE-IN BYPASS DETAIL

(SUBJECT TO CHANGE BASED ON FIELD CONDITIONS)

HDPE PIPE TABLE

| MARK | NOMINAL PIPE SIZE (INCHES) | 0.D. (in.) | MIN. W.T. (In.) | DIAMETER RATIO D/R | MIN. YIELD (PSI) | MAX. DESIGN PRESSURE (PSIG) | DESIGN MAOP (PSIG) | PSIG @ 100% S.M.Y.S. | MINIMUM TEST PRESSURE (PSIG) | MAXIMUM TEST PRESSURE (PSIG) | MINIMUM TEST DURATION HOURS | ≭ S.M.Y.S. | PIPE LENGTH (FEET) |
|------|----------------------------------|---------------|-----------------------|--------------------------|------------------------|--------------------------------------|--------------------------|----------------------------|---------------------------------------|---------------------------------------|--------------------------------------|-------------------|--------------------------|
| A | 8 | 8.625 | 0.785 | 11.0 | 1600 | 102 | 60 | 320 | 153 | 163 | • | 18.75 | 541 |
| | | | | | | CHAPTER 6 | | | | | | | |

PRINCIPAL DESIGN EQUATION (BARLOWS) FOR HDPE PIPE

WHERE:

P = DESIGN PRESSURE (PSIG) S = MINIMUM YIELD STRENGTH (PSI) D = NOMINAL OUTSIDE DIAMETER (IN.)

t = NOMINAL WALL THICKNESS OF PIPE (IN.)

MAOP = MAXIMUM ALLOWABLE OPERATING PRESSURE (PSIG)

P = 2 x 1600 x [0.785 th.] x .32 8.625 IN.-0.785 IN.

P = 102 PSIG ALLOWABLE BY CALCULATION P = 60 PSIG ACTUAL DESIGN MAOP

STEEL PIPE TARLE

| MARK | NOMINAL | O.D. | WALL | PIPE | | DESIGN | | EXISTING | | | | MAX TES | TING REQUIR | REMENTS | X-RAY | COATING | FIELD | PIPE |
|------|-----------------------|-------|-----------------|-------|------|--------|--------------------|----------|-----------------|------|------------------------------|---------|---------------------------------|---------|-------|---------|-------|--------|
| | PIPE SIZE (INCHES) | (ln.) | THKNS. (In.) | GRADE | LOC. | FACTOR | ● 100% S.M.Y.S. | | PRESS (PSIG) | SEAM | HOOP STRESS % S.M.Y.S. | | MAX. TEST PRESSURE (PSIG) | | × | SPEC. | JOINT | (FEET) |
| 8 | 12 | 12.75 | 0.375 | X-42 | | - | - | - | - | ERW | - | - | - | - | - | CASING | | 175 |
| | | | | | | | | | | | | | | | | | | |



L HAIS J. KAST. A PROFESSIONAL ENGINEER IN THE STATE OF TEXAS, HEREBY CERTIFITHAT THE CIVIL AND NECHANGAL DESIGN OF THE PIPELINE AND RELATED ASSEMBLIES MEETS OR EXCEEDS THE REGULATIONS, IT IS ON THE POPEL THE CASE BY FIPELINE" LATEST OF THE CASE BY FIPELINE" LATEST OF PART LOSS THE CASE BY FIPELINE" LATEST

| NO. | DATE | REVISION |
|-----|----------|--------------------------|
| A | 11/19/15 | ISSUED FOR CLIENT REVIEW |
| В | 12/14/15 | ISSUED FOR BID |
| 0 | 07/01/16 | ISSUED FOR CONSTRUCTION |
| | | |
| | | |



UniversalPegasus INTERNATIONAL

PROJ. MGR.: MARTIN PEREZ PROJECT NO: 080 52459 UEI JOB NO. 23044 DRAWN BY: UEI CHECKED BY: HJK APPROVED BY: JTS UPI DOC. CONTROL NO.: 23044- 505-GNW-00002 DATE: 11/17/15

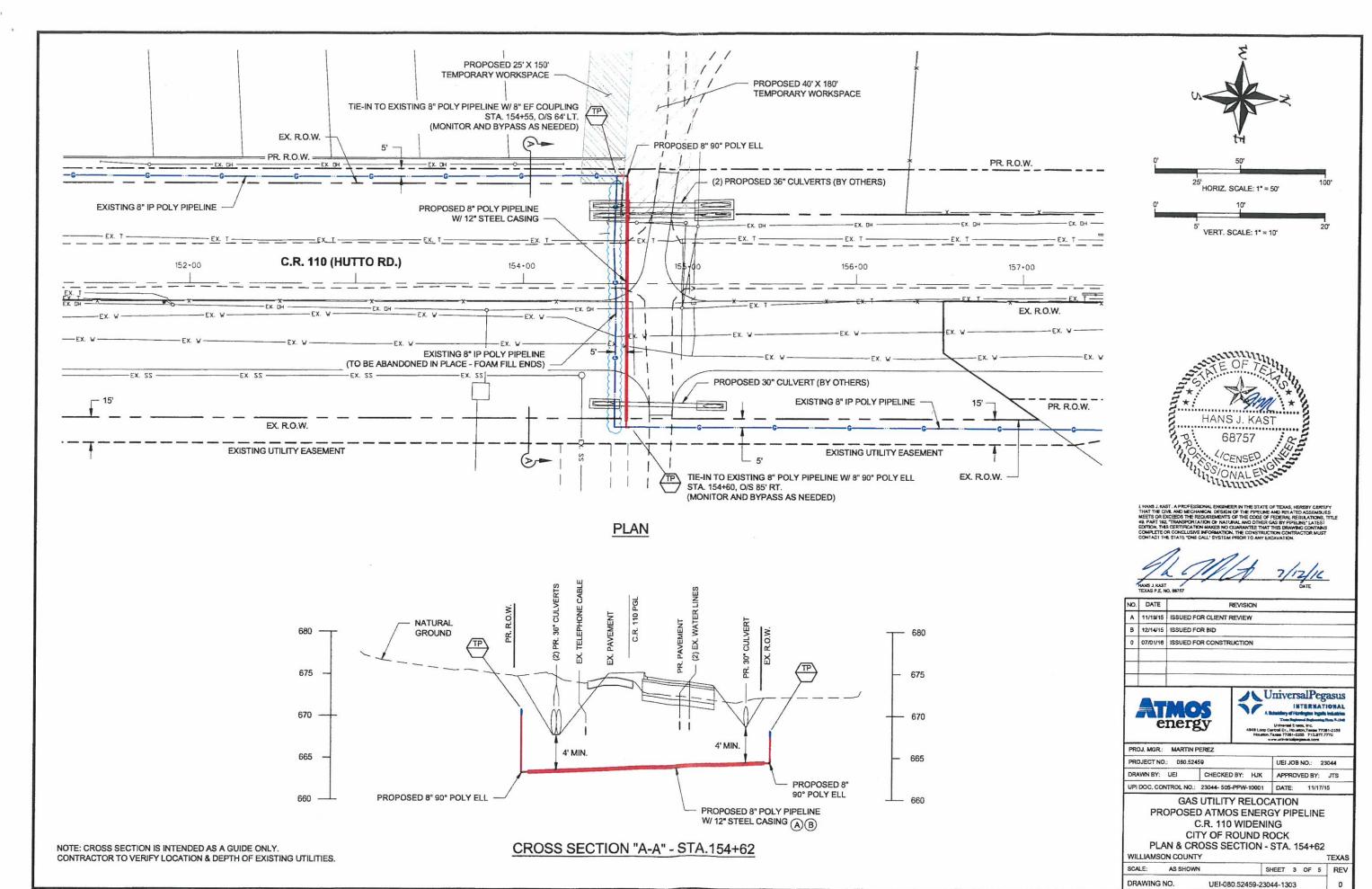
GAS UTILITY RELOCATION PROPOSED ATMOS ENERGY PIPELINE C.R. 110 WIDENING CITY OF ROUND ROCK GENERAL NOTES / PIPE DATA

WILLIAMSON COUNTY SCALE:

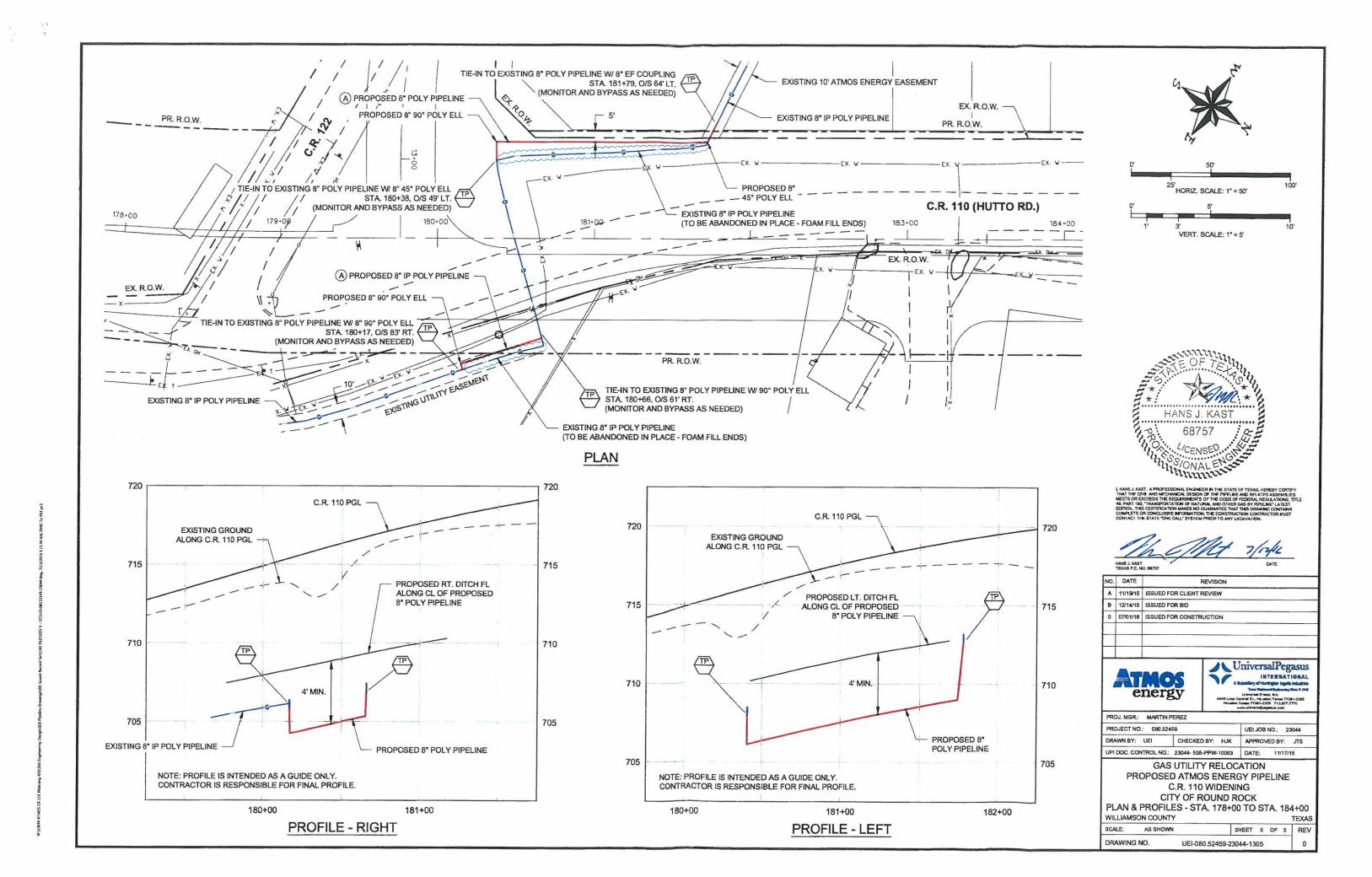
DRAWING NO.

SHEET 2 OF 5 REV UEI-080.52459-23044-1202

TEXAS



W12044 ATMOS CE 110 Widering BRINSOD Expirating Design Morang Design Des





COST ANALYSIS SHEET

Project: As of Date: 080.52459 16-May-17

| | | Actual | Estimated | \$ Var | % Var | Explanation* |
|----------------------|----|--------------|--------------|-------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Materials | | | | | | Explanation" |
| | \$ | 18,694.03 | \$15,999.11 | \$2,694.92 | 17% | Additional materials required due to changes in project scope. |
| Labor-Company | \$ | 10,212.36 | \$5,008.00 | \$5,206.36 | 104% | Due to changes in project scope, the need for Engineering, Project Management, Field Ops, Environmental and ROW services were significantly greater than anticipated. |
| Construction Cost | \$ | 117,723.09 | \$99,500.75 | \$18,222.34 | 18% | Additional contractor expense required due to changes in project scope and easement availability |
| Contractor Expense | \$ | 75,786.34 | \$36,899.87 | \$38,886.47 | 105% | Due to changes in project scope and easement availability, the need for Contract Engineering and Project Management was greater than anticipated. 3rd party ROW agent provided onsite monitoring in order to prevent issues with USACE property and manage/monitor repairs to Subdivision fence. |
| Misc. Expense | \$ | 8.25 | \$0.00 | \$8.25 | 100% | Cost for postage to send final records for archiving |
| Right of Way | \$ | 1,500.00 | \$0.00 | 64 500 00 | | Temograpy workenage was an in a second secon |
| Total Direct Costs | \$ | 223,924.07 | \$157,405.73 | \$1,500.00 | 100% | Temporary workspace was required due to unforseen easement availability issues. |
| | | , | \$157,405.75 | \$66,518.34 | | |
| AFUDC | s | 543.45 | | | | |
| General Overheads | | | | | | Indirect construction overheads rate is set by the Atmos corporate accounting department. The overhead rate is reviewed and adjusted on a periodic basis. This rate is calculated by |
| Indirect Costs | S | 51,938.96 | \$41,040.17 | \$10,898.79 | 27% | rate is reviewed and adjusted on a periodic basis. This rate is calculated based on a percentage of the direct cost which is HIGHER than originally estimated. |
| Indirect Costs | \$ | 52,482.41 | \$41,040.17 | \$10,898.79 | 21 70 | cost which is HIGHER than originally estimated. |
| TOTAL CWIP CHARGES | | \$276,406.48 | \$198,445.90 | | | |
| Total Amount Due | | \$276,406.48 | \$198,445.90 | | | , |
| Eligible Cost 30.51% | | \$84,331.62 | | | | |
| | | | | | | |



LETTER OF TRANSMITTAL

| To: | HNTB | | Date: October 23, 2017 | | | | | |
|-----|------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------|--|--|--|--|--|
| | 101 E. Old S | ettlers Blvd., Suite 100 | CobbFendley Job: 1703-011-02-43A | | | | | |
| | Round Rock, | Texas 78644 | Re: CR 110 South | | | | | |
| | | | Atmos' Supplemental Agreement Package | | | | | |
| ATT | ENTION: Edd | lie Church 512-744-9082 | | | | | | |
| | | | | | | | | |
| | WE ARE SENDI | NG YOU THE FOLLOWING VIA: hand | d delivered | | | | | |
| | Prints | | Other | | | | | |
| | QUANTITY | 10000 | DESCRIPTION | | | | | |
| | 4 | Atmos' Supplemental Agreen | nent Package | | | | | |
| | | | Recent | | | | | |
| | | | | | | | | |
| | | | HNTB Corporation Round Rock | | | | | |
| | | | Oc. Carporation | | | | | |
| | | <u> </u> | HNTB Cock | | | | | |
| | | | Rou | | | | | |
| | PURPOSE OF | TRANSMITTAL: Solve For Approval As Requested | ☐ For Your Use ☐ For Review & Comment | | | | | |
| 1 | REMARKS: | Mr. Church | | | | | | |
| | | We have reviewed and recommend executive which increased by \$77,960.58. | ution of Atmos' Supplemental Agreement in the amount of \$276,406.48, | | | | | |
| | | If you have any questions, please let me | know. | | | | | |
| | | Thank you, | | | | | | |
| | | r. | | | | | | |
| | | | | | | | | |
| | Сору То | File | | | | | | |
| | Received By: Date & Time: | | SIGNED Melissa Horn, Principal | | | | | |