WORK ASSIGNMENT SUPPLEMENT – Project # 13333 Davis

This	Work	Assignment	Supplement	is	entered	into	effective	August	27,	2019,	by a		between
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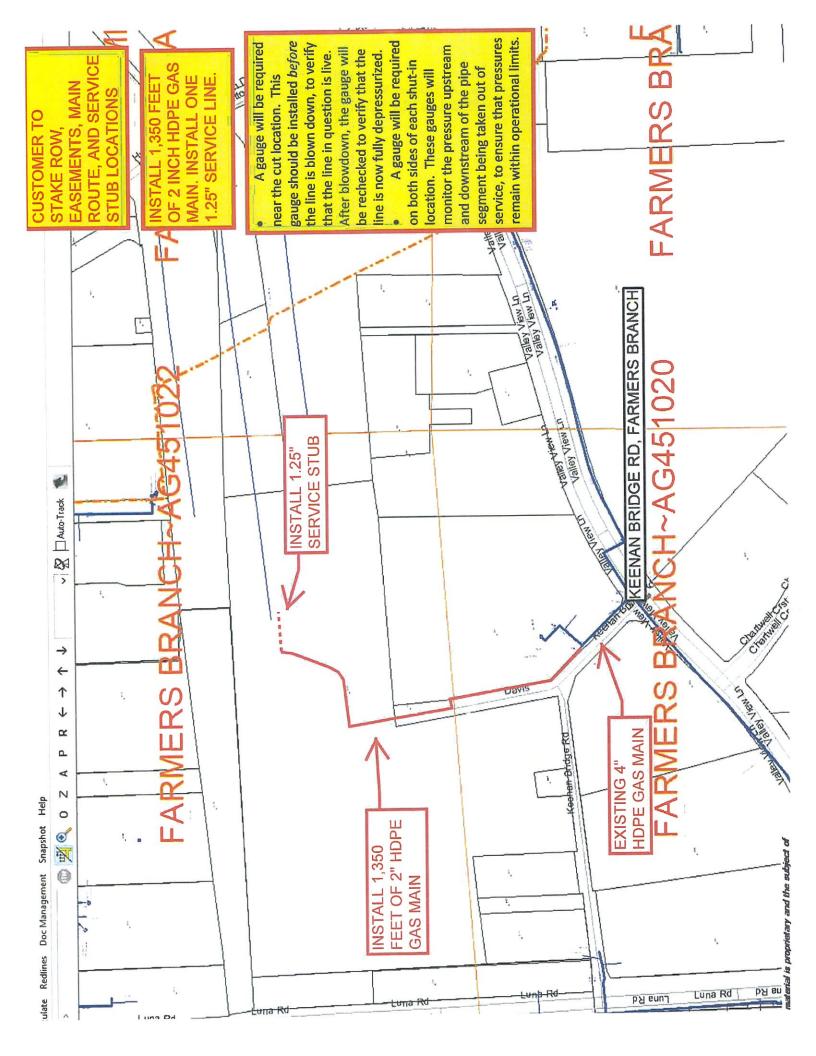
WORK ASSIGNMENT SUPPLEMENT SCOPE OF WORK ATTACHMENT

PROJECT NAME OR SUBDIVISION & PHASE:13333 Davis	
DEVELOPER REQUIREMENTS: GAS MAIN EXTENSION ALLEY DISTRIBUTION: CONTRACTOR will install all gas main(s), service taps, and service line risers required, as part or in furtherance of the Work. CONTRACTOR will be responsible for installing facilities to COMPANY design drawings and specifications including, but not limited to, those pertaining to depth from final grade (minimum 30" for main and 24" for service line), tracer wire, test stations, etc. and Atmos Energy's Meter Specification Manual. DEVELOPER'S plumber will install customer gas line on same side of building as COMPANY installed service riser. FRONT LOT DISTRIBUTION: CONTRACTOR will install all gas main(s), service taps, and service stubs to 10 feet inside the property line of each lot or tract within the Scope of Work. Marker balls and curb marker medallions will be placed to mark all service stubs. CONTRACTOR will be responsible for installing facilities according to COMPANY design drawings and specifications including, but not limited to, those pertaining to depth from final grade (minimum 30" for main and 24" for service stub), tracer wire, test stations, etc. and Atmos Energy's Meter Specification Manual. DEVELOPER's plumber will install customer service stub on same side of building as COMPANY installed service stub. STORM WATER POLLUTION PREVENTION PLAN If project requires a SWPPP, COMPANY consultant will develop and will be responsible for the plan and will also submit NOI for the project. DEVELOPER/CONTRACTOR will provide necessary sediment control measures screening, filters, etc. for installation and restabilization of the project area. COMPANY is not responsible for the cost of any traffic control expenses. Any additional equipment needed beyond CONTRACTOR's available traffic control equipment at the request of by the City shall be at DEVELOPER's sole cost. DEVELOPER is responsible for surveving/ staking of all easements, ROW's and gas main routes including service stub locations prior to construction. DEVELOPER is responsible for prov	PROJECT#
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INCTALL 1250 FEET OF 2 INCH LIDDE GAS MAIN INSTALL ONE 125" SERVICE LINE	CONTRACTOR will be responsible for providing gas mains of the number, dimensions, and footages
INSTALL 1,330 FEET OF 2 INCH HDFE GAS MAIN. INSTALL ONL 1.23 SERVICE BINE.	INSTALL 1,350 FEET OF 2 INCH HDPE GAS MAIN. INSTALL ONE 1.25" SERVICE LINE.

COMPANY will be responsible for the following:

- 1. Inspecting all work performed by CONTRACTOR in a reasonably timely manner.
- 2. Notifying DEVELOPER within a reasonable time after Final Acceptance of the Work by COMPANY.
- 3. Installing service lines and risers for front lot distribution from service stub in accordance with Atmos Energy's Meter Specification Manual (available at atmosenergy.com).

WORK ASSIGNMENT SUPPLEMENT DESIGN LAYOUT OF FACILITIES



AS-101

JAN. 24, 2019 DATE: JA

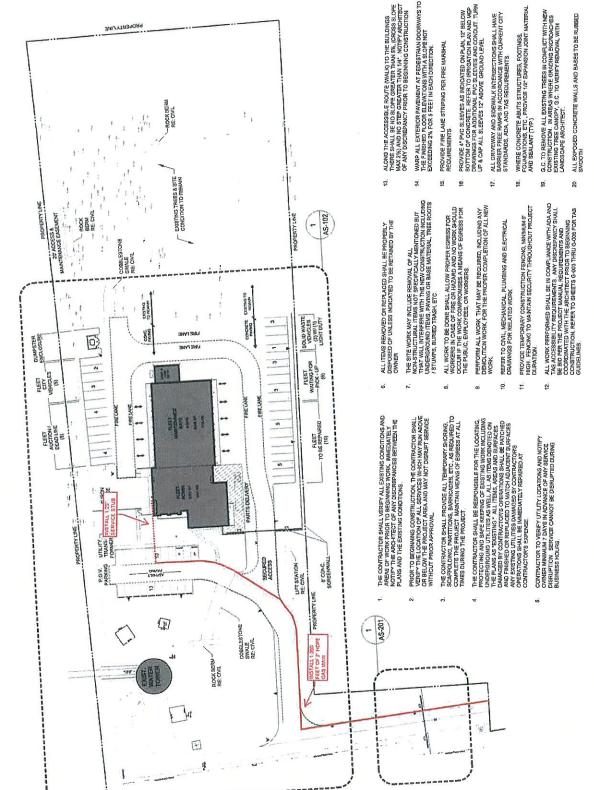
ASNOTE

SITEPLAN SHEET TITLE

KEENAN BRIDGE SERVICE CENTER CITY OF FARMERS BRANCH

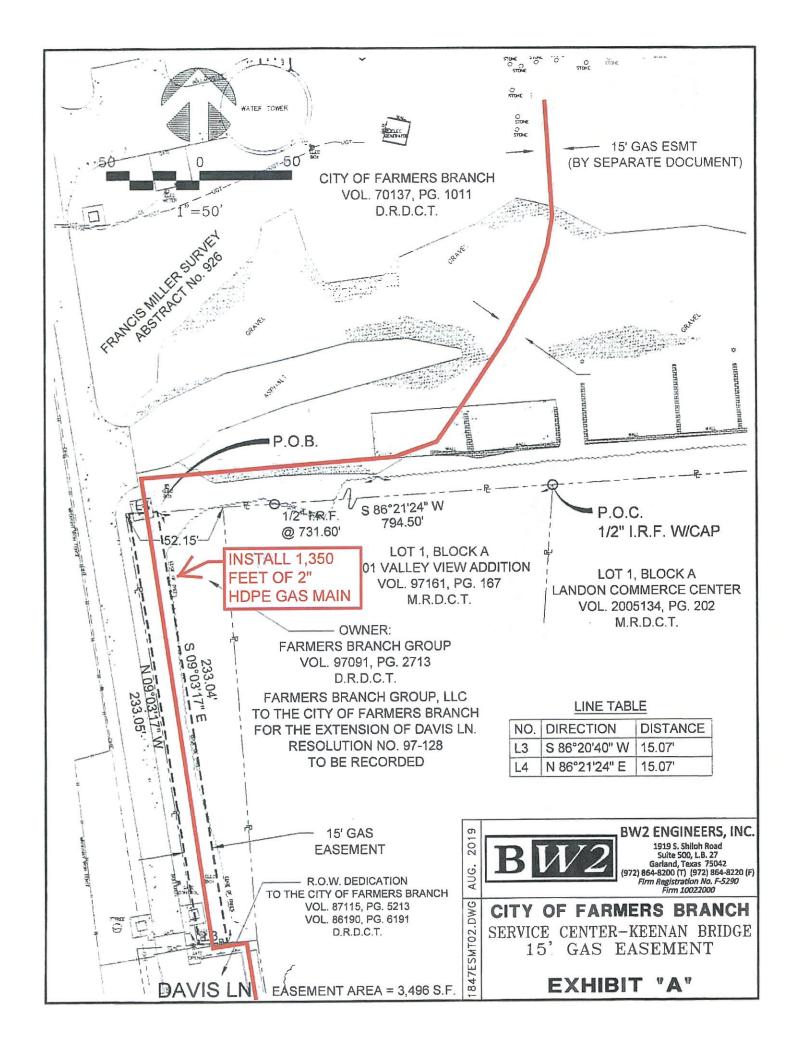


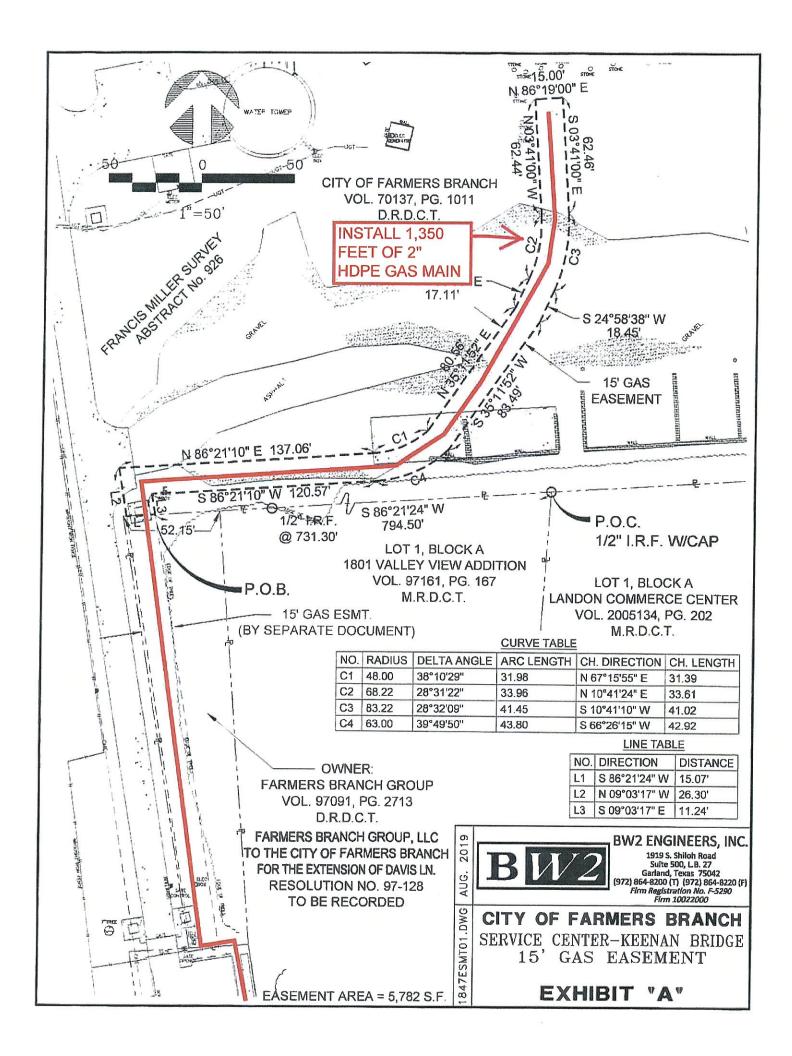




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KEENAN BRIDGE SITE PLAN





WORK ASSIGNMENT SUPPLEMENT FORM OF BILL OF SALE AND ASSIGNMENT

STATE OF TEXAS	§ KNOW ALL MEN BY THESE PRESENTS:
COUNTY OF DALLAS	§ KNOW ALL MEN BT THESE TRESENTS. §
sells, assigns, transfers, and or Texas and Virginia corporati	nd valuable consideration, the receipt and sufficiency of which is hereby acknowledged (ELOPER") a Texas corporation (hereinafter referred to as "Seller"), hereby grants, bargains conveys unto Atmos Energy Corporation, 5420 LBJ Freeway, Suite 1800, Dallas, Texas 75240, on (hereinafter referred to as "Buyer"), its successors and assigns, all of Seller's right, title, and ag, all of which is collectively referred to hereafter as the "Property":
(a) that equip configured and situa	ment and those facilities described in Attachment "1," located on that property described ated along the route described in Attachment "2," all such attachments being a part hereof; and
(b) all easeme	nts and permits related to the equipment and facilities set forth above, as described in Attachmenteof
of all liens, security agreen	it is the lawful owner in every respect of the Property, and that the new pipeline is free and clean tents, encumbrances, claims, demands, and charges of every kind whatsoever. Seller further of any existing violations of any law, ordinance, or regulation relating to the Property, or of any Property.
TO HAVE AND T to the Property against every	O HOLD unto the said Buyer, its successors and assigns forever, to warrant and defend the titl person whomsoever lawfully claiming the Property or any part of it.
instruments of transfer, or of of that certain Work Assign	s to execute and deliver any and all further conveyances, assignments, bills of sale, certificates ther documents that may be necessary or appropriate to effectuate the terms hereof, and the term ment Supplement between Buyer and Seller dated <u>August 27, 2019</u> , and to vest in Buyer, it sors, and assigns, title to the Property.
IN WITNESS WHI	EREOF, this Bill of Sale and Assignment is executed on the 27th day of August, 2019.
Developer	Atmos Energy Corporation
Ву:	Ву:
Title:	Title: Engineer

INSTALL 2" HIGH DENSITY POLY IP GAS MAIN 13333 Davis

Farmers Branch, Texas

August 19, 2019

This project involves the installation of 2" High Density Poly IP gas main.

A. Project generally consists of the following:

- 1. Installation of approximately 1,350 feet of 2" high density poly IP gas main by approved bore and/or open cut method.
- 2. Installation of service lines within the limits of project. (approximately 1).

B. Atmos Energy Corporation will:

- 1. Obtain all construction permits prior to construction.
- 2. Identify all LP DRS locations within 2,500 feet of tie-in operations.
- 3. Determine LP DRS locations have had LP sensing lines previously mapped and documented. If not sensing lines within 2,500 foot radius will be required to be identified prior to any LP tie-in activities. Per LP sensing line Scope of Work.
- 4. Provide inspection- COMPANY may opt to provide inspection through a third party.

C. Contractor will:

- 1. Provide necessary supervision, labor, equipment, and material to complete project.
- 2. Be required to soft dig all LP sensing lines on identified DRS locations within 2.500 foot radius of tie-in activities prior to tie-in of newly installed facilities. Per LP sensing line Scope of Work.
- 3. Perform all piping construction in accordance with the current requirement of DOT CFR 49 Part 192, "Transportation of natural and other gas by pipeline; Minimum Federal Safety Standards" as administered by the Railroad Commission of Texas.
- 4. Provide qualified personnel for the WORK referenced on the CONTRACTOR MINIMUM TASKS BY JOB TITLE Mid-Tex Division dated July 11, 2017. The latest publication of this matrix will be provided to CONTRACTOR upon request. For the purpose of staffing crew members for the WORK, CONTRACTOR must follow "minimum staffing requirements" established from the RATE SHEETS and further defined below.
 - A. 3 and 4 Man Construction Crews will include a Foreman, Skilled Laborer and one or two Laborers/Operators
 - B. 2 Man Crew includes a Foreman and a Skilled Laborer

Contractor Acknowledgement Date 9/25/2019

INSTALL 2" HIGH DENSITY POLY IP GAS MAIN 13333 Davis

Farmers Branch, Texas

August 19, 2019

C. 2 Man Sub-Contracted Crew for Directional Drilling, Excavating to Expose Gas Lines or Trenching will include a Laborer and an Operator under the direction and control of CONTRACTOR Foreman or Skilled Laborer

There may be occasions when additional OQ Tasks may be assigned to CONTRACTOR to complete the WORK.

- 5. Have personnel with proper Operator Qualification certification before award of project and maintain certification and have copies for each employee and a copy of appendix B of the abnormal operating conditions onsite throughout the term of the project. CONTRACTOR will adhere to the Mid-Tex Division Contractor Provisions for Compliance with Operator Qualification Rule.
- 6. Have two options to manage drilling fluids and cuttings.

A. Disposal:

- 1. Drilling fluids can be disposed of offsite without prior approval from the Railroad Commission (Commission)
- Contractor must insure they dispose of fluids at an approved environmental landfill or disposal facility and retain a copy of all manifest or shipping papers. A copy of manifest must be available to the environmental inspector or FCC. A signed copy of manifest will be on site next day and in closing package.
- 7. During all excavation activities the contractor shall insure that all utilities have been located and spotted.
- 8. During trenchless excavation activities the contractor shall daylight all utilities that could potentially be crossed during the trenchless activity.
- 9. In the event the contractor is unable to daylight/expose a storm or sanitary sewer line prior to trenchless excavation, the contractor will be required to perform a post construction camera inspection to insure line is was not damaged during trenchless excavation activities. Gas facilities will not be placed in service until this inspection is performed.
- Contractors performing trenchless excavation shall fill out the <u>Sewer/Storm</u>
 <u>Drain and Gas Pipe Crossing Verification Report</u> and file it in the closing packet.
- 11. Be required to have a permit to pull bore water from any creek, pond or other body of water. Atmos Energy Corporation Environmental Group will apply for the permit from Texas Commission on Environmental Quality. This process will take approximately 6 weeks to get a permit.
- 12. Have an approved Competent Person on the job site at all times. The Competent Person(s) will be identified to the COMPANY at the pre-construction meeting.
- 13. Install, maintain, and remove erosion control devices as required in the Storm Water Pollution Prevention Plan (SWPPP) Upon completion of the project work,

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INSTALL 2" HIGH DENSITY POLY IP GAS MAIN 13333 Davis

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CONTRACTOR will initiate the process to stabilize the disturbed surface area and establish surface restoration or final coverage. Surface stabilization, restoration, and final coverage means to establish vegetation (growth established) or restore the surface to original condition, depending on the nature of the original surface (i.e., vegetated, paved, other hard surface, etc).

14. The disturbed areas along the project must be restored to pre-construction conditions, which could include pavement, gravel, and / or native vegetation. Under EPA regulations for re-vegetation, the site must be prepped for planting (i.e. disced), seeded, and covered with a non-vegetative material. This cover could include mulch, hydro mulch, or biodegradable curlex.

To establish the vegetation for stabilization, the seeded area should be watered on a regular basis until 70% uniform cover is met. The watering schedule is dependent on weather but should be at least weekly for approximately 8 weeks (at the minimum). Excluding cultivated land.

- 15. Provide and install 3" to 5" size rock at entrances and exits of ROW. Remove rock when project is complete.
- 16. Double ditch all open trenches to salvage top soil. Top soil to place back after trench is back fill.
- 17. Have all employees to wear flame resistant coveralls with hood at all tie-ins or where there may be any possibility of gas escaping.
- 18. List any third party service providers (subcontractors) expected to perform any work on the bid break down sheet with bid proposal. Awarded contractor MUST complete a Subcontractor Disclosure Form and e-mail it to Construction Management at sub.dis.grp@atmosenergy.com for approval prior to subcontractor(s) reporting to the job site.
- 19. Install Safety fence around all open ditches in addition to parking equipment around bell holes whenever site is left unsupervised.
- 20. Provide all erosion control, traffic control, barricades, and signage as required.
- 21. Provide traffic control plan to City of Dallas as required.
- 22. Provide 48 hours notice to City of Dallas Traffic Control Coordinator before starting project.
- 23. In the City of Dallas display at least two signs in the permitted area of construction in the right-of-way no smaller than 30" x 24", one facing each direction of traffic. The sign must provide the business name and primary contact information of the permittee and contractor. The sign letters and numbers must be a minimum 2" in height.
- 24. In the City of Dallas provide each vehicle and piece of equipment located in the permitted area of construction in the right-of-way must display a sign identifying

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INSTALL 2" HIGH DENSITY POLY IP GAS MAIN 13333 Davis

Farmers Branch, Texas

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the business name and primary contact information of the permittee or contractor. The sign letters and numbers must be legible and at least one inch in height.

- 25. In the City of Dallas will have a copy of the approved traffic control plan required in Section 43-139 must be available at the permitted area of construction at all times when barriers are erected to divert or alter the flow of traffic.
- 26. In the City of Dallas will have at least one sign labeled "Temporary Paving Repairs" must be displayed in accordance with the Dallas Pavement Cut and Repair Standards Manual, as amended, in any location that has temporary paving repairs. If temporary paving repairs exceed 50 feet in length, one "Temporary Paving Repairs" sign must be provided every 50 feet on the perimeter of the permitted area of public right-of-way under construction. Alternatively, a "Temporary Paving Repairs" sign may be stenciled on the temporary paving repairs in accordance with this paragraph. The lettering of the written sign on the temporary paving repairs must be a minimum of three inches using only white paint. If temporary paving repairs exceed 40 feet in length, one painted "Temporary Paving Repairs" sign must be painted on the temporary paving repairs every 30 feet on the perimeter on the permitted area of public right-of-way under construction.
- 27. Be responsible for complying with all local, state and federal construction and environmental guidelines/requirements.
- 28. Obtain line locates for all existing utilities prior to construction.
- 29. Provide bedding and backfill material in the event excavated material does not meet specifications. If steel pipe is being installed sand or clay soils prohibited. Use only native soil or loam.
- 30. In TXDOT right of way backfill will be done in uniform layers not to exceed eight (8) inches in depth. Density test will be performed for all excavation in TXDOT right of way by a qualified testing lab. Density test documentation will be included in closing package. Each layer of backfill material, if dry, shall be wetted uniformly to the moisture content required to obtain a density comparable with the adjacent undisturbed soil and shall be compacted to that density by means of mechanical tampers or rammers. The use of rolling equipment of the type generally used in compacting embankments will be permitted on portions that are accessible to such equipment.
- 31. The pipe shall be padded with at least 6 inches on the bottom and sides and 12 inches on top of granular material that includes no hard particles larger than **one-half inch**. The remaining back-fill in the same ditch may consist of excavated material provided the particle size does not exceed 6 inches. No scrap or foreign

Contractor Acknowledgement_

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material shall be disposed of in the ditch as backfill. Larger than 6 inch rocks may be buried as long as they are a minimum of 4 feet horizontal distance from the pipe.

- 32. At the end of the work day, all poly mains over 500 feet in length will be capped and pressured with air to 20PSIG.
- 33. Provide flowable backfill and/or compaction as required by City of Dallas.
- 34. Select backfill from spoil which is free from rocks and debris to place directly around the pipeline. Backfill must provide firm support under the pipe.
- 35. Be responsible for disposition or haul off of all spoil and debris.
- 36. Provide temporary repair for all paving cuts.
- 37. Provide permanent paving repairs for all paving cuts.
- 38. Be required to provide a 2' x 2' x 4" thick reinforced concrete pad with wire mesh or rebar for all poly valve boxes installed in non-paved areas. All material for concrete valve box pad to be supplied by contractor.
- 39. Be responsible for negligent damage to pavement, curbing, sidewalk, etc. during construction.
- 40. Provide landscaping materials as required returning work site to original condition.
- 41. Provide a secure staging area for equipment and material.
- 42. Call and/or notify 811 and any other known utilities (i.e. City, County, subdivision developer, etc.).
- 43. Meet utility representatives on site to assure all markings are completed to the CONTRACTOR'S satisfaction.
- 44. Be responsible for sub-contracting qualified personnel to engineer cave-in protection for all bell holes greater than 20 feet in depth.
- 45. Provide a port-a-let for crews and service/maintain weekly.
- 46. Contractor shall be solely responsible for all documentation including maps, test charts, test reports & any other documentation required per Atmos Mid Tex closing packet.

D. Other information:

- 1. Unless otherwise necessary to clear drainage or other facilities, main and services shall be installed with a minimum depth of 42", cover and no more than 72" cover within street (or as shown on prints).
- 2. High Density poly mains and services are part of a 60 lbs. MAOP system and are to be subject to a 150 lbs. not to exceed 160 lbs. if any medium density poly mains and service lines are in the test then the test will be subject to a 120 lbs. not to exceed 130 lbs. proof pressure test with signed chart.

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- 3. The stand-up proof pressure test will be recorded using a recording pressure gauge with at least an 8 inch recording chart of the appropriate pressure range. This equipment must be calibrated at least once each 6 months and records maintained.
- 4. The chart will have noted on the front.
 - A. The contractor's name and employee's name responsible for making the test, and the name of any test company used (Contractor).
 - B. The test medium used.
 - C. The test pressure.
 - D. The duration of the test.
 - E. Type, size, and length of material tested.
 - F. Range of testing equipment.
 - G. Brand and serial number of record.
- Calibration Record for test chart recorder must be on job site during the duration
 of the test and must be verified by serial number of recorder. A copy of this
 document will need to be included in closing package.
- 6. All work shall be performed in accordance with the Atmos Energy Contractor Construction Manual. The documents are available through ISNetworld Atmos Energy Bulletin Board.
- 7. Contractor must follow their safety plan that is approved through ISNetworld Review and Verification Services (RAVS); the contractor must also comply with all OSHA and DOT safety regulations anytime they are working on behalf of Atmos Energy Corporation.
- 8. All work shall be performed in accordance with the Code of Federal Regulations Part 192 Pipeline Safety Rules and all other applicable rules and regulations.
- Excavation within 18" plus half the diameter of the existing pipeline will be by soft digging practices. Methods to be consider, based on certain climate or geographical conditions, include hand digging when practical, soft digging, vacuum excavation methods, pneumatic hand tools.
- 10. COMPANY reserves the right to inspect ongoing and completed work.
- 11. Work hour restrictions are as required by the City of Dallas and can be obtained from the city.
- 12. CONTRACTOR shall start work within 1 week of COMPANY'S notification to begin construction and complete in a timely manner.
- 13. All existing piping will remain pressurized and in service until it is time to make the final tie-ins.
- 14. All cuts made on existing pipeline facilities are to be made by "cold cut" method and not "torch cut".

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- 15. The FCC/Inspector shall have the final say in any disputes that the CONTRACTOR may have.
- 16. Atmos has the right to have crew we deem not competent to perform work on our system to be removed from the project.
- 17. All equipment provided for project must be in good working condition. If FCC and/or Operation Inspection Rep. determines equipment is not working properly it shall be replaced with one known to be in good working condition.
- 18. If contractor supplies a start date and 3rd party inspection is schedule and contractor fails to start and did not notify Atmos of changes contractor will absorb any cost that Atmos incurs.

E. Required Documentation:

- 1. Atmos will require all documentation and as-built information to be submitted within 10 day of final tie in of facilities.
 - a. As-builts must contain all information with measurements for installed facilities
 - b. As-builts must contain all information with measurements for retirements
 - c. As-builts must contain all information with measurements for service lines installed.
 - d. As-builts must contain all information with measurements for LP sensing lines for LP DRS within 2,500 feet of tie-in operations including photos. Per LP sensing Scope of Work.
 - e. Work orders with accurate footages and quantities installed and retired, at final tie-in.
 - f. CONTRACTOR MUST COLLECT AND PROVIDE ALL POLY PRINT LINE DATA ON THE APPROPRIATE FORMS
 - g. ALL WORK ORDERS, SIGNED CHART (PROJECT NUMBER AND NAME), BORE PROFILE, AND INSPECTION TEST REPORTS MUST BE FILLED OUT WITH ACCURATE INFORMATION

Contractor Acknowledgement Date 2/25/2019