

September 15, 2026

City of Bryan Development Services
300 S. Texas Ave.
Bryan, TX 77803

**Subject: Site Plan Response to Second Round of Comments
 Site Plan Development Project Application (SP26-000033)
 Messer LLC Air Separation Unit Facility
 1096 Boatcallie Rd., Bryan, TX 77808**

Messer LLC (Messer) received comments, dated August 11, 2026, from the City of Bryan regarding the Site Plan submitted in support of a Site Plan Development Project Application for development of a new Messer Air Separation Unit (ASU) Facility located at 1096 Boatcallie Rd, Bryan, TX 77808.

The following are the comments and Messer's responses:

SDRC Chair (Lauren Hovde):

- ❑ FYI: The associated preliminary plan and final plat (FP26-33) must be approved and filed with Brazos County before this site plan can be approved.

Messer understands that the Preliminary Plan/Plat, submitted by others, has been approved and others are working with the City of Bryan regarding the associated Engineering Plan Review. Messer understands that the Final Plat will follow by others. Messer requests approval be provided to proceed with Project construction while the platting process is still in progress, understanding that final site plan approval for operations would not be provided until the final plat is approved.

Planning Services (Mikaela Dickenson):

- ❑ FYI: A landscape plan will be needed before the site plan can be approved.

Messer is working to submit landscape plans in the coming weeks. Messer requests conditional approval be provided to proceed with Project construction of the equipment/tank foundations, understanding that the final site plan cannot be approved until the landscape plan is provided and approved.

Engineering Services (James Hayes):

- ❑ Construction Document Status:
 - The following items have been submitted and are currently under review by Public Works. Please anticipate comments by August 10, 2026.
 - Drainage Plan

Messer understands that the Drainage Plan has since been reviewed and approved.

Water Services (Jayson Barfknecht):

- ❑ Please contact Water Services to discuss the water meters and the location of the fire hydrant on the private side line. Water Services prefers the fire hydrant to not be located on the domestic meter.

A meeting was held and following correspondence/discussion took place to discuss the water meters and the location of the fire hydrant. The potable water service was modified as requested by the City to relocate the private hydrant off the potable water service as a public hydrant on a separate public service line at an on-site location accepted by the City. The private potable water line size was reduced. Two, 4-inch service lines are extended from the public water main. A RPZ type backflow preventer and heated enclosure has been selected for each the potable and process water services. An irrigation feed was added off the 4" potable water fed prior to the potable water meter. The design for the irrigation meter and backflow preventer is anticipated to be provided with the landscape plans.

Attached are the related updated water utility plans, including the index sheet 566901-C-D-001-001-00 as well as sheets 566901-C-D-006-301-00 and 566901-C-D-006-302-00.

Environmental Services (Mark Jurica):

- ❑ Note: Discharge Permit Application has been shared with AECOM (A. Wagner) 8/4/2026. Issuance of the discharge permit and plan review for internal utilities (water and sewer) are completed through the permit and outside of ICC or similar reviews. Contact Mark Jurica 979 209 5932 or mjurica@bryantx.gov as the project matures and before 100% design documents are finalized.

Messer and AECOM will continue working with Mark Jurica to provide information on plans and continue separately with the discharge permitting and associated plan review process.

We look forward to the completion of the Site Plan Development Project Application Review. Please contact me at 346-213-9313 or Alex.Gomez@messer-us.com if you have questions or require additional information.

Sincerely,


Alejandro J. Gomez Aponte

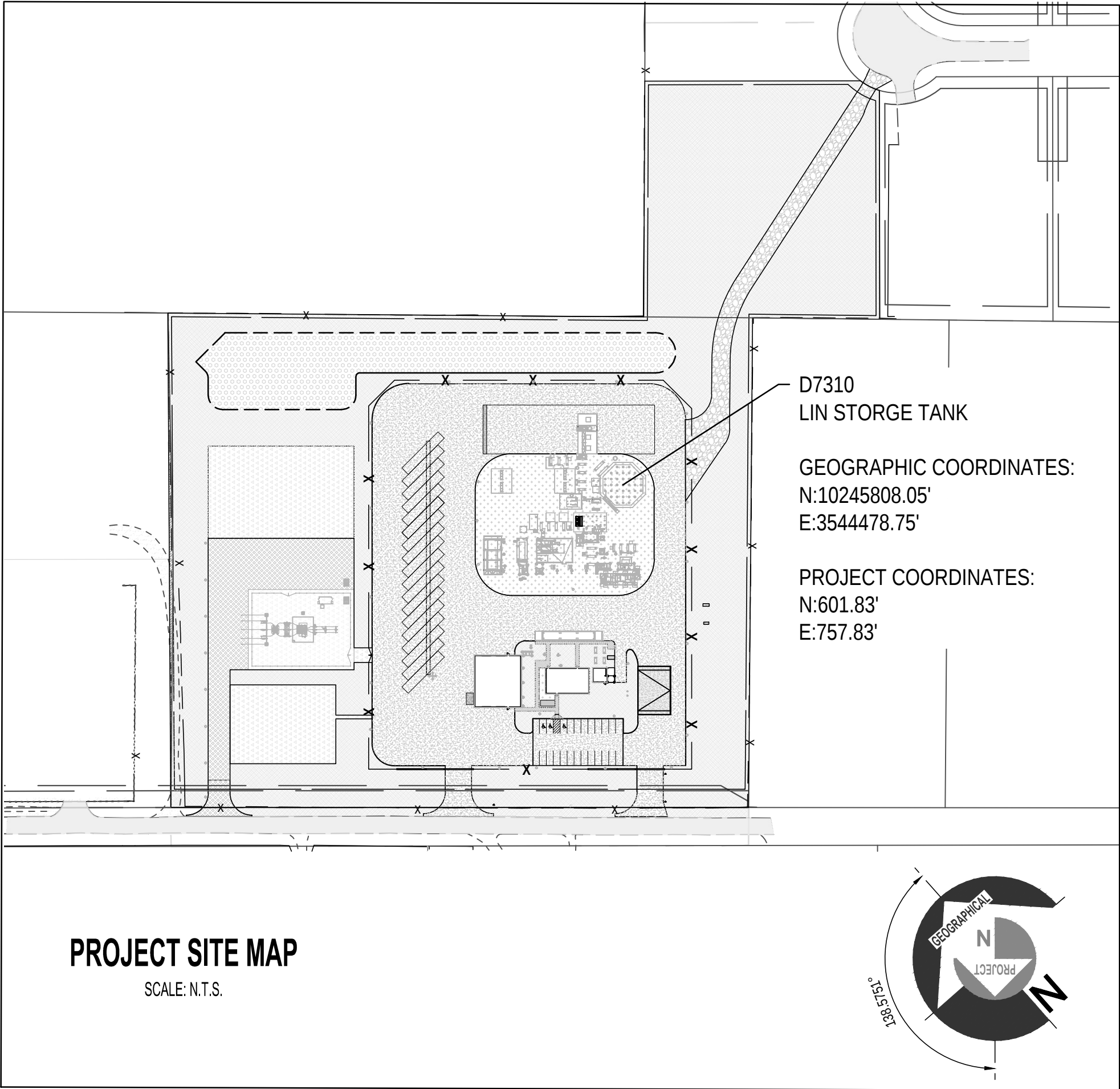
Alejandro (Alex) J. Gomez Aponte

Principal Project Manager

Messer LLC

Attachments: Updated Water Utility Plans

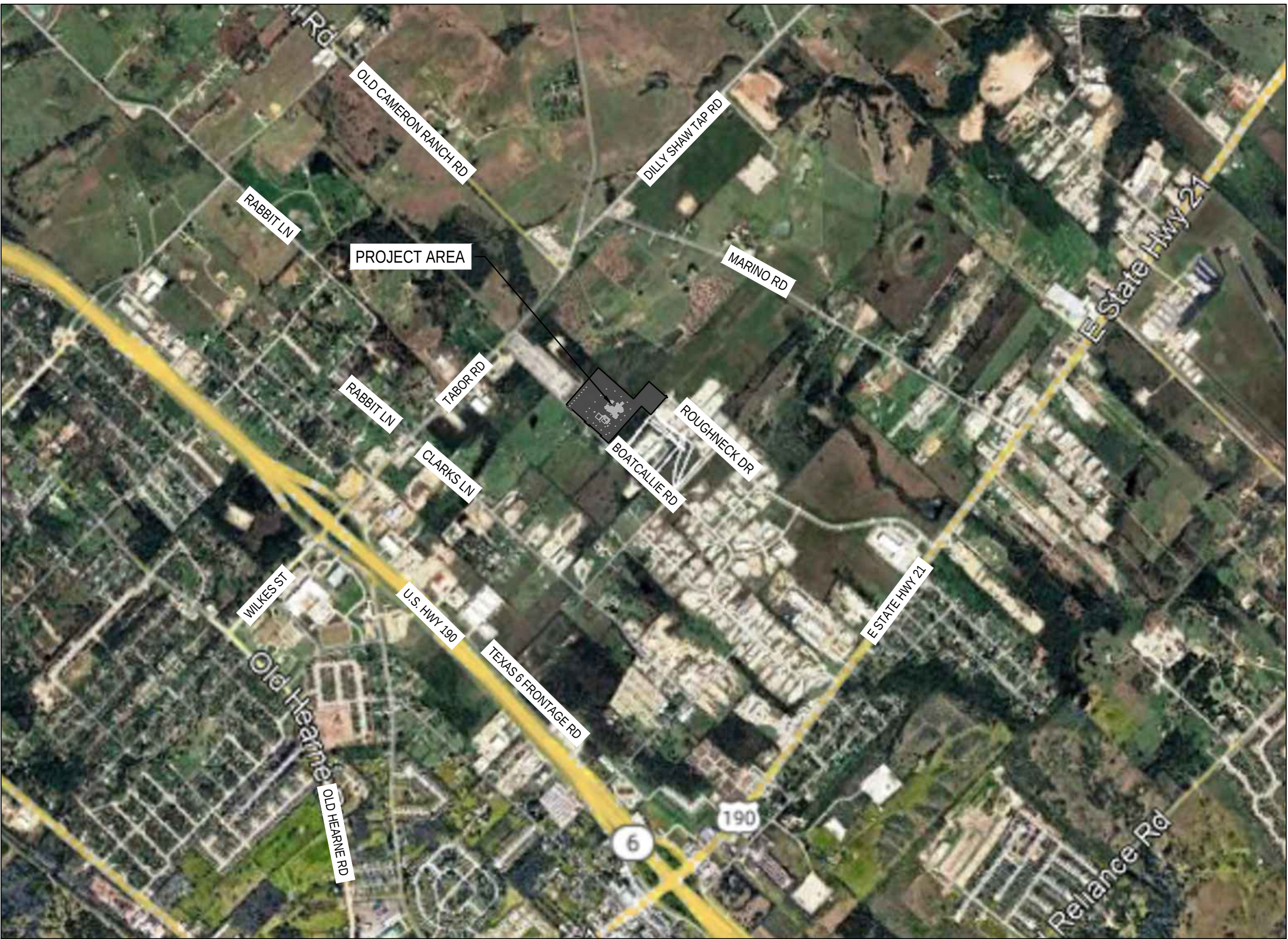
c:\users\scs\appdata\local\temp\mddough\mc\meu2510 - messer - bryan asu\project files\meu2510\middough05_civil\3d\meu2510_civil-cover-sheet.dwg



SITE IMPROVEMENT PACKAGE

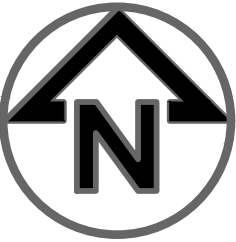
MESSER AIR SEPARATION UNIT BRYAN ASU

1096 BOATCALLIE ROAD
BRYAN, TEXAS 77808



SOURCE:
GOOGLE EARTH

LOCATION MAP
(N.T.S.)
LATITUDE: 30.714429°
LONGITUDE: -96.362163°



SHEET INDEX	
SITE IMPROVEMENT PACKAGE	
DRAWING TITLE	DRAWING NUMBER
CIVIL COVER SHEET - SITE IMPROVEMENT PACKAGE	566901-C-D-001-001
EXISTING CONDITIONS PLAN	566901-C-D-002-001
SITE PREPARATION PLAN	566901-C-D-003-001
SITE PLAN - GEOGRAPHICAL SOUTH AREA	566901-C-D-004-001
SITE PLAN - GEOGRAPHICAL NORTH AREA	566901-C-D-004-002
SITE PLAN - TABLES	566901-C-D-004-003
SITE PLAN - SITE FENCING PLAN	566901-C-D-004-004
GRADING PLAN - OVERALL SITE	566901-C-D-005-001
GRADING PLAN - GEOGRAPHICAL SOUTH AREA	566901-C-D-005-101
GRADING PLAN - GEOGRAPHICAL NORTH AREA	566901-C-D-005-102
UNDERGROUND UTILITY PLAN - OVERALL SITE	566901-C-D-006-001
UNDERGROUND UTILITY PLAN - STORM SEWER - GEOGRAPHICAL SOUTH AREA	566901-C-D-006-101
UNDERGROUND UTILITY PLAN - STORM SEWER - GEOGRAPHICAL NORTH AREA	566901-C-D-006-102
STORM SEWER PROFILES	566901-C-D-006-103
STORM SEWER PROFILES	566901-C-D-006-104
UNDERGROUND UTILITY PLAN - WASTEWATER	566901-C-D-006-201
UNDERGROUND UTILITY PLAN - WASTEWATER	566901-C-D-006-202
WASTEWATER PROFILES	566901-C-D-006-203
UNDERGROUND UTILITY PLAN - WATER - GEOGRAPHICAL SOUTH AREA	566901-C-D-006-301
UNDERGROUND UTILITY PLAN - WATER - GEOGRAPHICAL NORTH AREA	566901-C-D-006-302
WATER PROFILES	566901-C-D-006-303
WATER PROFILES	566901-C-D-006-304
CIVIL NOTES AND DETAILS	566901-C-D-008-001
CIVIL NOTES AND DETAILS	566901-C-D-008-002
CIVIL NOTES AND DETAILS	566901-C-D-008-003
CIVIL NOTES AND DETAILS	566901-C-D-008-004
CIVIL NOTES AND DETAILS	566901-C-D-008-005
CIVIL NOTES AND DETAILS	566901-C-D-008-006
CIVIL NOTES AND DETAILS	566901-C-D-008-007
CIVIL NOTES AND DETAILS	566901-C-D-008-008
CIVIL NOTES AND DETAILS	566901-C-D-008-009
CIVIL NOTES AND DETAILS	566901-C-D-008-010
CIVIL NOTES AND DETAILS	566901-C-D-008-011

SCOPE OF WORK:
THE SCOPE OF WORK FOR THE SITE IMPROVEMENT PACKAGE INCLUDES DRAWINGS, DETAILS, SPECIFICATIONS AND NOTES FOR LAND DISTURBING ACTIVITIES RELATED TO PROPOSED INFRASTRUCTURE INCLUDING:

- A. MASS GRADING/FINAL GRADING
- B. ROADWAYS AND PAVING
- C. SITE FENCING
- D. CIVIL UNDERGROUND UTILITIES (STORM SEWER, DOMESTIC SANITARY SEWER, PROCESS INDUSTRIAL WASTEWATER, DOMESTIC (POTABLE) WATER, PROCESS (NON-POTABLE) WATER, FIRE PROTECTION WATER).



STORMWATER POLLUTION PREVENTION PLANS INDEX	
DRAWING TITLE	DRAWING NUMBER
STORMWATER POLLUTION PREVENTION PLAN - COVER SHEET	566901-C-D-009-001
STORMWATER POLLUTION PREVENTION PLAN - SITE PLAN - PHASE A	566901-C-D-009-002
STORMWATER POLLUTION PREVENTION PLAN - SITE PLAN - PHASE B	566901-C-D-009-003
STORMWATER POLLUTION PREVENTION PLAN - DETAILS AND SPECIFICATIONS	566901-C-D-009-004
STORMWATER POLLUTION PREVENTION PLAN - DETAILS AND SPECIFICATIONS	566901-C-D-009-005
STORMWATER POLLUTION PREVENTION PLAN - DETAILS AND SPECIFICATIONS	566901-C-D-009-006
STORMWATER POLLUTION PREVENTION PLAN - DETAILS AND SPECIFICATIONS	566901-C-D-009-007
STORMWATER POLLUTION PREVENTION PLAN - DETAILS AND SPECIFICATIONS	566901-C-D-009-008
REFERENCE DRAWINGS	
DRAWING TITLE	DRAWING NUMBER
GEOGRAPHICAL/PROJECT COORDINATE TRANSFORMATION	566901-ZD-D-001-001
SITE VICINITY PLAN	566901-ZD-D-900-001
SITE PLOT PLAN	566901-ZD-D-900-002
CONSTRUCTION ACCESS PLAN	566901-ZD-D-900-003
PRELIMINARY GRADING PLAN	566901-ZD-D-900-004
PRELIMINARY UTILITY PLAN - UTILITY COORDINATION	566901-ZD-D-900-005
VEHICLE TURN PLAN - EMERGENCY VEHICLES	566901-ZD-D-900-006
VEHICLE TURN PLAN - CONSTRUCTION ACCESS	566901-ZD-D-900-007
VEHICLE TURN PLAN - OPERATIONS TRUCK ROUTING	566901-ZD-D-900-008
VEHICLE TURN PLAN - OPERATIONS TRUCK ROUTING	566901-ZD-D-900-009
TOPOGRAPHIC EXHIBIT BY KERR SURVEYING, DATED: 12/10/2025	25-0712-S (SHEET 1 OF 2)
TOPOGRAPHIC EXHIBIT BY KERR SURVEYING, DATED: 12/10/2025	25-0712-S (SHEET 2 OF 2)
ALT/NSPS LAND TITLE SURVEY PLAT BY KERR SURVEYING, DATED: 01/13/2026	25-0712-ALTA

CITY OF BRYAN SPECIFICATIONS INDEX	
DOCUMENT TITLE	DOCUMENT NUMBER
CEMENT STABILIZED SAND BACKFILL	SECTION 31 23 23.53
MAIN LINE VALVES	SECTION 33 12 16
FIRE HYDRANTS	SECTION 33 12 19
SEEDING FOR EROSION CONTROL	SECTION 32 92 19
POLYVINYLCHLORIDE PIPE AND FITTINGS	SECTION 33 05 01
DUCTILE IRON PIPE	SECTION 33 05 02
MIDDOUGH SPECIFICATIONS INDEX	
DOCUMENT TITLE	DOCUMENT NUMBER
SUBDRAINAGE	566901-C-S-334600-001
FACILITY SANITARY SEWERS	566901-C-S-221313-001
CONCRETE PAVING	566901-C-S-321313-001
TURF AND GRASSES	566901-C-S-329200-001
SITE WATER DISTRIBUTION PIPING	566901-C-S-331415-001
STORMWATER CONVEYANCE	566901-C-S-334200-001
MESSER SPECIFICATIONS INDEX	
DOCUMENT TITLE	DOCUMENT NUMBER
PVC PIPING MATERIAL SPECIFICATION	00000-P-S-001/1P1
HDPE PIPING MATERIAL SPECIFICATION - 150# (1P4)	00000-P-S-001/1P4
SPECIFICATIONS FOR UNDERGROUND PIPING TRACER WIRE	00000-P-S-747
CLEANING STANDARD FOR PIPING, VESSELS AND COMPONENTS	00000-P-S-084-00-1
PIPING SYSTEM PRESSURE AND LEAK TESTING SPECIFICATION	00000-P-S-104
PIPING SYSTEM HYDROSTATIC TESTING SPECIFICATION	00000-P-S-105

CITY CONTACT:
CITY OF BRYAN PUBLIC WORKS
979-209-5900

ENGINEER'S CONTACT:
MIDDOUGH
1901 EAST 13TH STREET, SUITE 400
CLEVELAND, OHIO 44114
(216) 367-6163
JOSEPH KHATER, PE
JOSEPH.KHATER@MIDDOUGH.COM

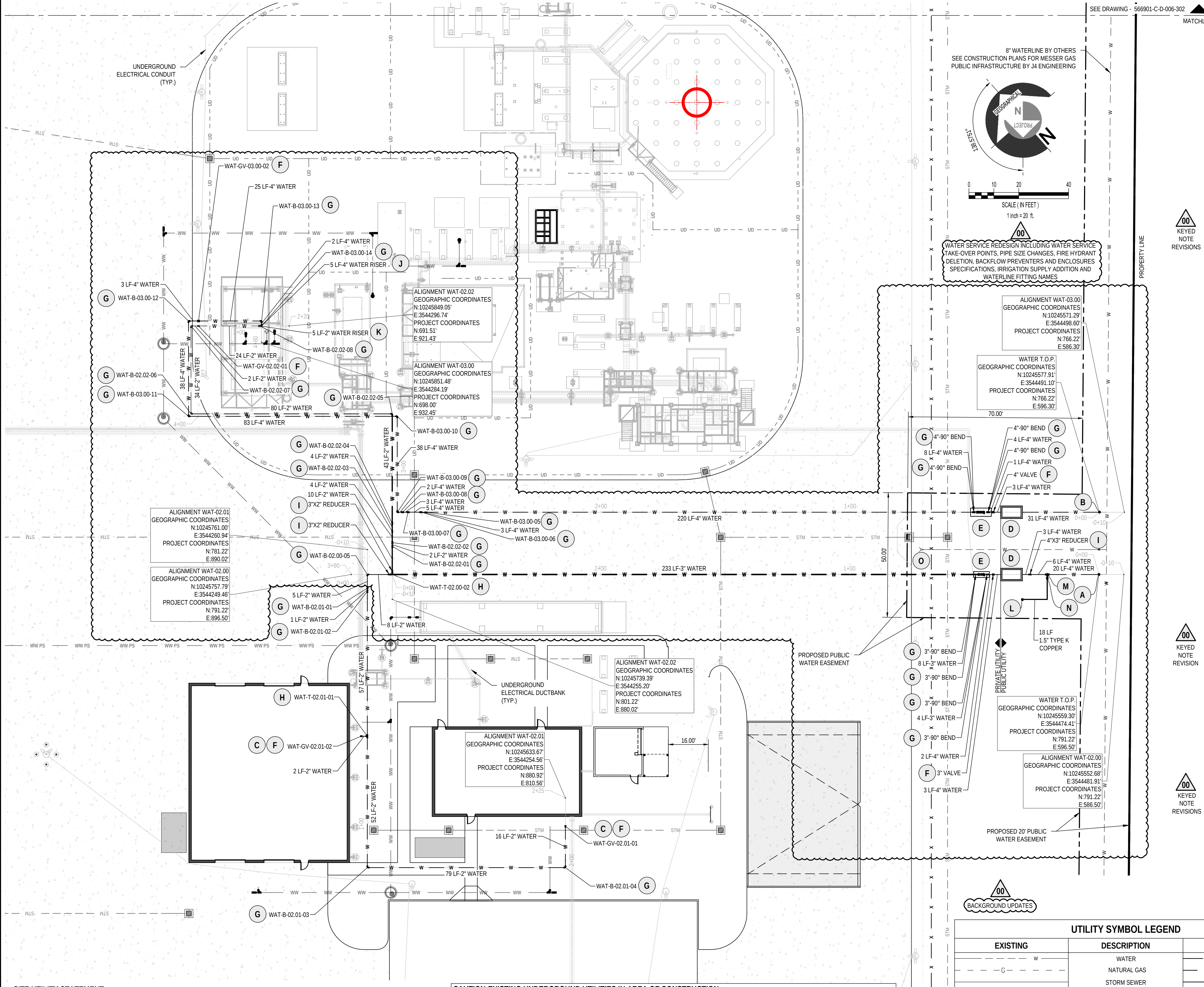


00	09/10/26	ISSUED FOR CONSTRUCTION
00D	07/29/26	ISSUED FOR PERMIT
NO.	DATE	REVISIONS
MESSER Gases for Life		middough PROJECT DEVELOPMENT FIRM NUMBER: F-4433
CLIENT: MESSER NA		CLIENT PROJ #: 566901
PROJECT: BRYAN ASU		
DESCRIPTION: CIVIL COVER SHEET		
DRAWN BY: MIDD	CHECKED BY: KPS	APPROVED BY: 10/17/2025
DRAWING NO.: 566901-C-D-001-001	REV: 00	

DRAWING SCALE:
AS NOTED

MIDDOUGH PROJ #: MEU2510

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SITE UTILITY STATEMENT:

THE EXISTING UNDERGROUND UTILITIES SHOWN HAVE BEEN MAPPED FROM FIELD SURVEY INFORMATION AS STATED ON THE EXISTING CONDITIONS PLAN AND FROM EXISTING DRAWINGS SUPPLIED BY OTHERS. IT SHALL BE UNDERSTOOD THAT THERE IS NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED. FURTHER THERE IS NO GUARANTEE THAT THE UNDERGROUND UTILITIES SHOWN ARE IN THE EXACT LOCATION INDICATED ALTHOUGH THEY ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE.

CAUTION-EXISTING UNDERGROUND UTILITIES IN AREA OF CONSTRUCTION:

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL FIELD VERIFY THE AS-BUILT LOCATIONS AND ELEVATIONS OF ALL EXISTING UTILITIES IN THE WORK AREAS BY POT-HOLING OR EXCAVATION METHODS. REPORT ANY CONFLICTS WITH THE PROPOSED UTILITY ROUTING TO THE OWNER AND THE DESIGN ENGINEER AHEAD OF ACTUAL CONSTRUCTION. MINOR FIELD RE-ROUTING OF UTILITIES MAY BE ACCEPTABLE AFTER COORDINATION AND APPROVAL FROM THE DESIGN ENGINEER. ANY DESIGN CHANGES SHALL BE DOCUMENTED BY THE CONTRACTOR ON AS-BUILT PRINTS TO BE PROVIDED TO THE OWNER.

UTILITY SYMBOL LEGEND		
EXISTING	DESCRIPTION	PROPOSED
	WATER	W W W
	NATURAL GAS	NG NG NG
	STORM SEWER	STM STM STM
	AERIAL POWER/COMMUNICATION	OHL OHL OHL
	WASTEWATER SEWER	WW WW WW
	WASTEWATER PRESSURE SEWER	WW PS WW PS WW PS
	UNDERDRAIN ENVELOPE	UD UD UD

UNDERGROUND WATER NOTES:

1. THE CIVIL SITE IMPROVEMENT DRAWING PACKAGE DOES NOT CONVEY THE ENTIRE CIVIL WORK SCOPE FOR THE FACILITY. COORDINATE WORK AS SHOWN ON THE DRAWINGS (INCLUDING INTERFACING ELEMENTS) WITH OTHER PROJECT DRAWINGS.
2. WORK THIS DRAWING WITH WITH DRAWING 566901-C-D-006-302 AND WATER PROFILES DRAWINGS 566901-C-D-006-303 TO 566901-C-D-006-304.
3. PROPOSED WATER PIPING SHALL BE INSTALLED WITH 36" OF COVER, MINIMUM.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE PROPER HORIZONTAL AND VERTICAL SEPARATION BETWEEN WASTEWATER LINES AND WATER LINES AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
5. ALL PIPE PENETRATIONS THROUGH STRUCTURAL ELEMENTS (FOOTINGS, WALLS, FLOORS, ETC.) SHALL BE MADE WITH A PIPE SLEEVE. REFERENCE "UNDERGROUND PIPE PENETRATION AT STRUCTURAL ELEMENT DETAIL" ON DRAWING 566901-C-D-008-005.
6. THE SITE CONTRACTOR SHALL TERMINATE UNDERGROUND PIPING APPROXIMATELY 5 FEET OUTSIDE OF THE ADMINISTRATION BUILDING AND TRUCK MAINTENANCE BUILDING FOR CONTINUATION BY THE PIPING CONTRACTOR. PIPING ENDS SHALL BE CAPPED FOR LATER REMOVAL AND EXTENSION. COORDINATE WITH BUILDING DRAWINGS.
7. THE SITE CONTRACTOR SHALL ENSURE THAT RISERS FOR THE WATER SERVICES IN THE PLANT AREA TERMINATE AT THE LOCATION SPECIFIED TO MATCH THE FUTURE ABOVE-GROUND PIPING TO BE INSTALLED BY THE PIPING CONTRACTOR. PROVIDE SUFFICIENT SUPPORT WHILE BACKFILLING. REFERENCE THE "WATER RISER DETAIL" ON DRAWING 566901-C-D-008-005.
8. WATER MAIN SHUT-OFFS AND TIE-INS SHALL BE COORDINATED BETWEEN THE CONTRACTOR, MESSER AND THE CITY.
9. SOME DI (DUCTILE IRON) MATERIALS WILL BE USED ON PORTIONS OF THE PRIVATE WATER PIPING SYSTEM THAT REQUIRE DI COMPONENTS (PIPE, FITTINGS, APPURTENANCES, ETC.). THE MATERIALS AND EXECUTION PORTIONS OF THE BISC UNIFIED SPECIFICATIONS SECTION 33.05.02, DUCTILE IRON PIPE SHALL APPLY TO THE PRIVATE UNDERGROUND WATER SERVICE PIPING SYSTEM. IN GENERAL, DI MATERIALS WILL BE USED BETWEEN A FIELD DETERMINED POINT PRIOR TO THE WATER METER AND TO A FIELD DETERMINED POINT PAST THE BELOW GRADE 90 DEGREE BEND ON THE OUTLET SIDE OF THE BACKFLOW PREVENTER ASSEMBLY.
10. POLYVINYL CHLORIDE (PVC), DR14, MEETING CURRENT CITY OF BRYAN AND AWWA C-900 STANDARDS WITH DUCTILE IRON FITTINGS WILL BE USED ON THE SERICE LINES BETWEEN THE PUBLIC WATER TAKE-OVER POINT AND THE FIELD DETERMINED POINT PRIOR TO THE WATER METER.
11. HDPE (HIGH DENSITY POLYETHYLENE) PIPING AND FITTINGS PER MESSER STANDARD SPECIFICATION 00000-P-S-001/1P4, HDPE PIPING MATERIAL SPECIFICATION - 150# (1P4) SHALL APPLY TO THE PRIVATE UNDERGROUND WATER SERVICE PIPING SYSTEM.
12. THRUST RESTRAINT FOR THE PUBLIC PORTIONS OF THE PIPING SYSTEM SHALL CONFORM TO BICS UNIFIED SPECIFICATIONS SECTION 03.30.01, CONCRETE BLOCKING OR ANCHORAGE.
13. THRUST RESTRAINT FOR THE PORTIONS OF THE PRIVATE UNDERGROUND WATER PIPING SYSTEM SHALL CONFORM TO CIVIL NOTES AND DETAILS AND SPECIFICATIONS.
14. ALL UNDERGROUND WATER VALVE PRODUCTS AND EXECUTION SHALL CONFORM TO BICS UNIFIED SPECIFICATIONS SECTION 33.12.16, MAIN LINE VALVES.

REFERENCES:

1. REFERENCE APPLICABLE SPECIFICATION FOR ALL WORK UNDER THIS INSTALLATION. SEE SPECIFICATIONS INDEX ON CIVIL COVER SHEET DRAWING, 566901-C-D-001-001.
2. REFERENCE DRAWING 566901-C-D-002-001 FOR THE INFORMATION RELATED TO COORDINATES AND DATUM INFORMATION INCLUDING REFERENCE POINTS, CONTROL POINTS, AND BENCHMARKS.
3. REFERENCE THE UNDERGROUND UTILITY PLANS, 566901-C-D-006 SERIES DRAWINGS.
4. REFERENCE THE CIVIL NOTES AND DETAILS, 566901-C-D-008 SERIES DRAWINGS.
5. REFERENCE THE STORMWATER POLLUTION PREVENTION PLANS, 566901-C-D-009 SERIES DRAWINGS.
6. REFERENCE STRUCTURAL DRAWINGS FOR THE TOP OF EQUIPMENT PAD ELEVATIONS.
7. REFERENCE THE GEOTECHNICAL REPORT FOR ALL WORK UNDER THIS PROJECT.
8. REFERENCE CONSTRUCTION PLANS FOR MESSER GAS PUBLIC INFRASTRUCTURE BY J4 ENGINEERING.

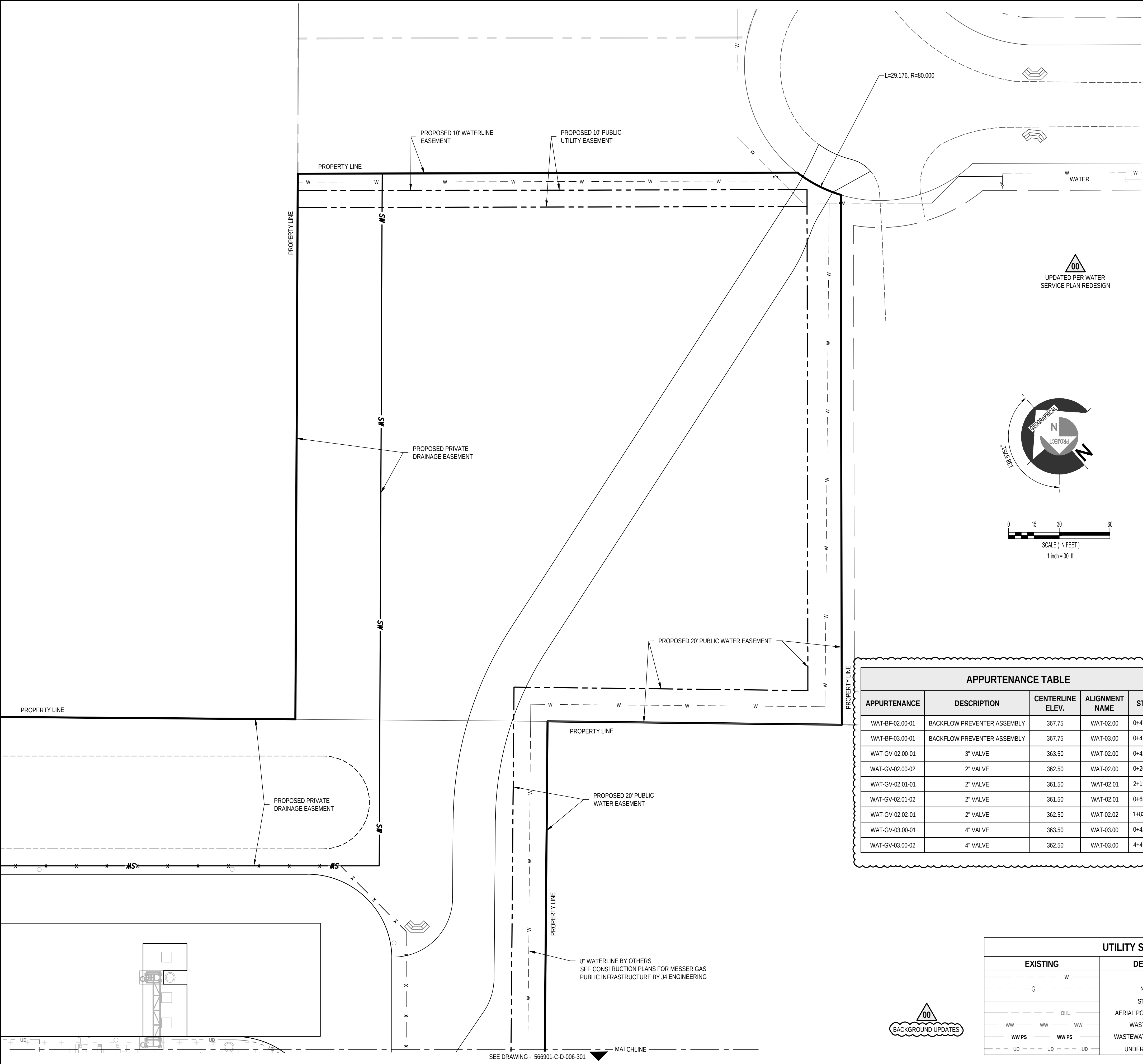
WATER KEYED NOTES:

- A** WATER TAKE-OVER POINT (T.O.P.) AT WATER VALVE TO BE INSTALLED BY DEVELOPER. SEE SHEET C9, J4 ENGINEERING CONSTRUCTION PLANS.
- B** COOLING TOWER MAKE-UP WATER TAKE-OVER POINT (T.O.P.) AT WATER VALVE TO BE INSTALLED BY DEVELOPER. SEE SHEET C9, J4 ENGINEERING CONSTRUCTION PLANS.
- C** WATER TIE-POINT AT BUILDING. BUILDING PLUMBING SHALL CONTAIN A CHECK VALVE TO PREVENT DOWNSTREAM CONTAMINATION.
- D** INSTALL WATER METER VAULT. 3" DMC-BR3, 4" DMC-BR4. COORDINATE INSTALLATION WITH THE CITY OF BRYAN. REFERENCE DRAWING 566901-C-D-008-007 FOR TYPICAL DETAIL.
- E** INSTALL CONCRETE PAD, BACKFLOW PREVENTER ASSEMBLY AND HEATED ENCLOSURE COMPLETE WITH POWER SERVICE. REFER TO DRAWING 566901-C-D-008-007 FOR SPECIFICATIONS.
- F** INSTALL GATE VALVE ("GV"). REFERENCE "GATE VALVE & BOX DETAIL" ON DRAWING 566901-C-D-008-007.
- G** INSTALL BEND ("B").
- H** INSTALL TEE ("T").
- I** INSTALL REDUCER ("R").
- J** WATER RISER SERVING COOLING TOWER WATER MAKE-UP. REFERENCE "WATER RISER DETAIL" ON DRAWING 566901-C-D-008-005.
- K** WATER RISER TO ABOVE-GROUND PIPING SERVING UTILITY SINK, WATER HEATER AND SAFETY SHOWER & EYE WASH. REFERENCE "WATER RISER DETAIL" ON DRAWING 566901-C-D-008-005 AND ABOVE-GROUND PIPING DRAWINGS.
- L** PROPERLY CAP END OF 1-1/2" WATER LINE FOR FUTURE IRRIGATION SYSTEM EXTENSION. THE IRRIGATION SYSTEM DESIGN FROM THIS POINT, INCLUDING METER AND BACKFLOW PREVENTION, TO BE PROVIDED UNDER SEPARATE PERMIT APPLICATION BY OTHERS.
- M** INSTALL 4"X2" TAPPED TEE AND 2"X6" BRASS NIPPLE.
- N** INSTALL 2" THREADED GATE VALVE AND BOX AND 2"X1-1/2" BUSHING.
- O** PUBLIC FIRE HYDRANT - BY OTHERS.



00	09/10/26	ISSUED FOR CONSTRUCTION
00E	07/29/26	ISSUED FOR PERMIT
NO.	DATE	REVISIONS
MESSER Gases for Life		
CLIENT: MESSER NA PROJECT: BRYAN ASU		
CLIENT PROJ #: 566901		
DESCRIPTION: UNDERGROUND UTILITY PLAN WATER GEOGRAPHICAL SOUTH AREA		
DRAWN BY: MIDD	CHECKED BY: KPS	APPROVED BY: [Signature]
DRAWING NO.: 566901-C-D-006-301	SHEET/ISSUE DATE: 10/17/2025	
DRAWING SCALE: AS NOTED		REV: 00

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WATER FITTING TABLE				
FITTING	FITTING DESCRIPTION	CENTERLINE ELEVATION	ALIGNMENT NAME	STATION & OFFSET
WAT-B-02.00-01	3" 90° BEND	363.50	WAT-02.00	0+44.86, 0.00 L
WAT-B-02.00-02	3" 90° BEND	367.75	WAT-02.00	0+44.86, 0.00 L
WAT-B-02.00-03	3" 90° BEND	367.75	WAT-02.00	0+49.40, 0.00 R
WAT-B-02.00-04	3" 90° BEND	359.12	WAT-02.00	0+49.40, 0.00 R
WAT-B-02.00-05	2" 90° BEND	360.25	WAT-02.00	2+93.52, 0.00 L
WAT-B-02.01-01	2" 45° BEND	360.25	WAT-02.01	0+05.54, 0.00 L
WAT-B-02.01-02	2" 45° BEND	361.50	WAT-02.01	0+06.79, 0.00 L
WAT-B-02.01-03	2" 90° BEND	361.50	WAT-02.01	1+17.62, 0.00 L
WAT-B-02.01-04	2" 90° BEND	361.50	WAT-02.01	1+97.08, 0.00
WAT-B-02.02-01	2" 45° BEND	360.25	WAT-02.02	0+11.45, 0.00 L
WAT-B-02.02-02	2" 45° BEND	358.75	WAT-02.02	0+12.95, 0.00 R
WAT-B-02.02-03	2" 45° BEND	358.75	WAT-02.02	0+17.45, 0.00 L
WAT-B-02.02-04	2" 45° BEND	362.00	WAT-02.02	0+20.70, -0.01 L
WAT-B-02.02-05	2" 90° BEND	362.00	WAT-02.02	0+64.67, 0.00
WAT-B-02.02-06	2" 90° BEND	362.50	WAT-02.02	1+45.42, 0.00
WAT-B-02.02-07	2" 90° BEND	362.50	WAT-02.02	1+80.66, 0.00 L
WAT-B-02.02-08	2" 90° BEND	362.50	WAT-02.02	2+08.31, 0.00 R
WAT-B-03.00-01	4" 90° BEND	363.50	WAT-03.00	0+44.69, 0.00 L
WAT-B-03.00-02	4" 90° BEND	367.75	WAT-03.00	0+44.69, 0.00 L
WAT-B-03.00-03	4" 90° BEND	367.75	WAT-03.00	0+50.38, 0.00 L
WAT-B-03.00-04	4" 90° BEND	359.12	WAT-03.00	0+50.38, 0.00 L
WAT-B-03.00-05	4" 45° BEND	362.34	WAT-03.00	2+70.23, 0.00 R
WAT-B-03.00-06	4" 45° BEND	360.34	WAT-03.00	2+72.23, 0.00 L
WAT-B-03.00-07	4" 45° BEND	360.34	WAT-03.00	2+77.44, 0.00 L
WAT-B-03.00-08	4" 45° BEND	362.50	WAT-03.00	2+79.60, 0.00 L
WAT-B-03.00-09	4" 90° BEND	362.50	WAT-03.00	2+81.72, 0.00
WAT-B-03.00-10	4" 90° BEND	362.50	WAT-03.00	3+20.19, 0.00 R
WAT-B-03.00-11	4" 90° BEND	362.50	WAT-03.00	4+03.94, 0.00
WAT-B-03.00-12	4" 90° BEND	362.50	WAT-03.00	4+42.19, 0.00
WAT-B-03.00-13	4" 90° BEND	362.50	WAT-03.00	4+71.51, 0.00
WAT-B-03.00-14	4" 90° BEND	362.50	WAT-03.00	4+73.51, 0.00
WAT-R-02.00-01	4"X3" REDUCER	363.25	WAT-02.00	0+27.74, 0.00
WAT-R-02.00-02	3"X2" REDUCER	360.25	WAT-02.00	2+84.68, 0.00 R
WAT-R-02.02-01	3"X2" REDUCER	360.25	WAT-02.02	0+01.36, 0.00 R
WAT-T-02.00-01	4"X2" TAPPED TEE 2"X6" BRASS NIPPLE	362.50	WAT-02.00	0+20.74, 0.00 L
WAT-T-02.00-02	3"X3"X3" TEE	360.25	WAT-02.00	2+83.52, 0.00 L
WAT-T-02.01-01	2"X2" TEE	361.50	WAT-02.01	0+64.89, 0.00 L

WATER FITTING TABLE				
FITTING	GEOGRAPHIC NORTHING	GEOGRAPHIC EASTING	PROJECT NORTHING	PROJECT EASTING
WAT-B-02.00-01	10245588.98	3544440.77	791.22	641.37
WAT-B-02.00-02	10245588.98	3544440.77	791.22	641.37
WAT-B-02.00-03	10245591.99	3544437.36	791.22	645.91
WAT-B-02.00-04	10245591.99	3544437.36	791.22	645.91
WAT-B-02.00-05	10245753.50	3544254.32	791.22	890.02
WAT-B-02.01-01	10245749.35	3544250.66	796.76	890.02
WAT-B-02.01-02	10245748.41	3544249.83	798.01	890.02
WAT-B-02.01-03	10245665.31	3544176.50	908.84	890.02
WAT-B-02.01-04	10245612.73	3544236.08	908.84	810.56
WAT-B-02.02-01	10245755.33	3544269.26	779.97	880.02
WAT-B-02.02-02	10245756.45	3544270.26	778.47	880.02
WAT-B-02.02-03	10245759.82	3544273.23	773.97	880.02
WAT-B-02.02-04	10245762.26	3544275.38	770.72	880.02
WAT-B-02.02-05	10245795.23	3544304.48	726.75	880.02
WAT-B-02.02-06	10245848.66	3544243.93	726.75	960.77
WAT-B-02.02-07	10245875.08	3544267.25	691.51	960.77
WAT-B-02.02-08	10245856.79	3544287.98	691.51	933.12
WAT-B-03.00-01	10245607.48	3544457.59	766.22	640.99
WAT-B-03.00-02	10245607.48	3544457.59	766.22	640.99
WAT-B-03.00-03	10245611.25	3544453.32	766.22	646.68
WAT-B-03.00-04	10245611.25	3544453.32	766.22	646.68
WAT-B-03.00-05	10245756.70	3544288.48	766.22	866.52
WAT-B-03.00-06	10245758.03	3544286.98	766.22	868.52
WAT-B-03.00-07	10245761.48	3544283.07	766.22	873.74
WAT-B-03.00-08	10245762.91	3544281.45	766.22	875.90
WAT-B-03.00-09	10245764.31	3544279.86	766.22	878.02
WAT-B-03.00-10	10245793.15	3544305.31	727.75	878.02
WAT-B-03.00-11	10245848.57	3544242.52	727.75	961.77
WAT-B-03.00-12	10245877.24	3544267.82	689.51	961.77
WAT-B-03.00-13	10245857.84	3544289.81	689.51	932.45
WAT-B-03.00-14	10245856.34	3544288.48	691.51	932.45
WAT-R-02.00-01	10245577.65	3544453.61	791.22	624.24
WAT-R-02.00-02	10245747.66	3544260.94	791.22	881.19
WAT-R-02.02-01	10245747.76	3544262.59	790.06	880.02
WAT-T-02.00-01	10245573.02	3544458.86	791.22	617.24
WAT-T-02.00-02	10245746.89	3544261.82	791.22	880.02
WAT-T-02.01-01	10245704.85	3544211.39	886.11	890.02

APPURTENANCE TABLE				
APPURTENANCE	DESCRIPTION	CENTERLINE ELEV.	ALIGNMENT NAME	STATION
WAT-BF-02.00-01	BACKFLOW PREVENTER ASSEMBLY	367.75	WAT-02.00	0+47.13, 0.00
WAT-BF-03.00-01	BACKFLOW PREVENTER ASSEMBLY	367.75	WAT-03.00	0+47.54, 0.00
WAT-GV-02.00-01	3" VALVE	363.50	WAT-02.00	0+42.41, 0.00
WAT-GV-02.00-02	2" VALVE	362.50	WAT-02.00	0+20.74, -1.54
WAT-GV-02.01-01	2" VALVE	361.50	WAT-02.01	2+13.64, 0.00
WAT-GV-02.01-02	2" VALVE	361.50	WAT-02.01	0+64.89, 2.41
WAT-GV-02.02-01	2" VALVE	362.50	WAT-02.02	1+83.66, 0.00
WAT-GV-03.00-01	4" VALVE	363.50	WAT-03.00	0+42.61, 0.00
WAT-GV-03.00-02	4" VALVE	362.50	WAT-03.00	4+46.19, 0.00

APPURTENANCE TABLE				
APPURTENANCE	GEOGRAPHIC NORTHING	GEOGRAPHIC EASTING	PROJECT NORTHING	PROJECT EASTING
WAT-BF-02.00-01	10245590.49	3544439.07	791.22	643.64
WAT-BF-03.00-01	10245609.36	3544455.46	766.22	643.84
WAT-GV-02.00-01	10245587.36	3544442.61	791.22	638.91
WAT-GV-02.00-02	10245571.87	3544457.84	792.77	617.24
WAT-GV-02.01-01	10245625.15	3544247.04	892.28	810.56
WAT-GV-02.01-02	10245706.44	3544209.59	856.11	892.43
WAT-GV-02.02-01	10245873.10	3544269.50	691.51	957.77
WAT-GV-03.00-01	10245606.11	3544459.15	766.22	638.91
WAT-GV-03.00-02	10245874.60	3544270.82	689.51	957.77

UTILITY SYMBOL LEGEND		
EXISTING	DESCRIPTION	PROPOSED
— W —	WATER	— W —
— G —	NATURAL GAS	— NG —
— — —	STORM SEWER	— STM —
— OHL —	AERIAL POWER/COMMUNICATION	— OHL —
— WW —	WASTEWATER SEWER	— WW —
— WW PS —	WASTEWATER PRESSURE SEWER	— WW PS —
— UD —	UNDERDRAIN ENVELOPE	— UD —



DRAWING SCALE:
AS NOTED



00	09/10/26	ISSUED FOR CONSTRUCTION
00E	07/29/26	ISSUED FOR PERMIT
NO.	DATE	REVISIONS
MESSER  Gases for Life		
middough PROFESSIONAL ENGINEERING FIRM NUMBER: F-4433		
CLIENT:	MESSER NA	CLIENT PROJ #:
PROJECT:	BRYAN ASU	566901
DESCRIPTION:	UNDERGROUND UTILITY PLAN WATER GEOGRAPHICAL NORTH AREA	
DRAWN BY:	MIDD	CHECKED BY:
DRAWING NO.:	KPS	APPROVED BY:
10/17/2025		REV:
566901-C-D-006-302		00

MIDDOUGH PROJ #: MEU2510