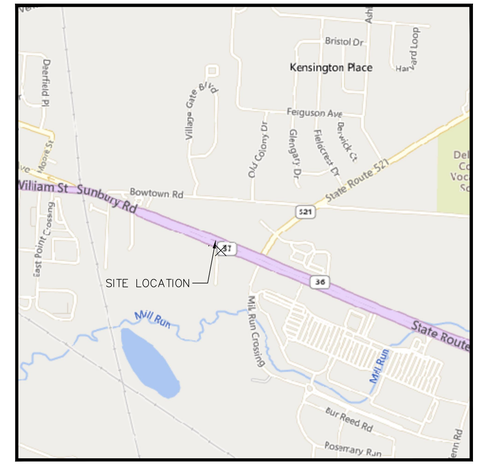
PLANS FOR THE CONSTRUCTION OF

SUBURBAN NATURAL GAS US-36 & SR-521 SERVICE RELOCATION

DELAWARE COUNTY, OH

INDEX MAP
SCALE: 1" = 200'



LOCATION MAP
SCALE: 1" = 2000'

PLASTIC DESIGN & CONSTRUCTION STANDARDS

DESIGN STANDARD:	CFR TITLE 49 PART 192
SYSTEM DESIGN PRESSURE:	60 PSIG
PIPELINE CLASS LOCATION:	CLASS 3
PIPELINE DESIGN FACTOR:	DF = 0.32
PIPELINE TEST PRESSURE RANGE:	90 – 120 PSIG
MINIMUM TEST DURATION:	1 HOUR
TEST MEDIUM:	AIR OR NITROGEN

SHEET INDEX

1 COVER
2 PLAN & PROFILE
3 TIE-IN DETAILS

CLIENT

SUBURBAN NATURAL GAS COMPANY
ATTN: AARON ROLL
2626 LEWIS CENTER RD
LEWIS CENTER, OH 43035

P: 740.548.2450

CONTRACTOR

PRECISION PIPELINE
10 WHILEY RD
LANCASTER, OH 43130

P: 740.652.1679
F: 740.652.1691

SURVEYOR

UTILITY TECHNOLOGIES INTERNATIONAL
ATTN: JIM DEITRICK PE, PS
4700 HOMER OHIO LANE
GROVEPORT, OHIO 43125

P: 614.482.8080

OHIO Utilities Protection SERVICE
811 or 1-800-362-2764 Call Before You Dig

GRAPHIC SCALE
200' 100' 0 200'
1 inch = 200 ft.

CHANGE ORDER SCHEDULE

#	DESCRIPTION OF CHANGE	SHEET NO.	APPROVALS BY	DATE

UTILITY TECHNOLOGIES INTERNATIONAL
TOTAL CAPABILITIES IN THE PIPELINE INDUSTRY
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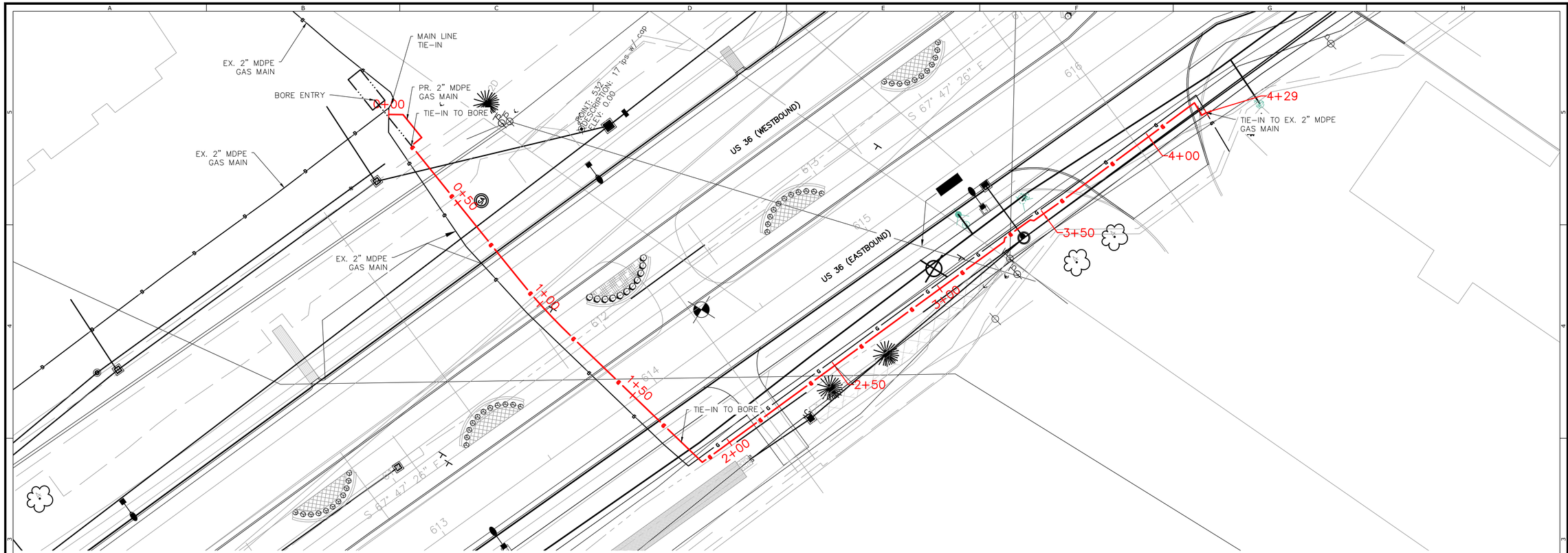
SUBURBAN NATURAL GAS COMPANY
US-36 & SR-521 SERVICE RELOCATION
DELAWARE COUNTY, OH
COVER

IFA
(ISSUED FOR APPROVAL)

DESIGN	DRAFT	CHECK
CTC	CTC	JSD

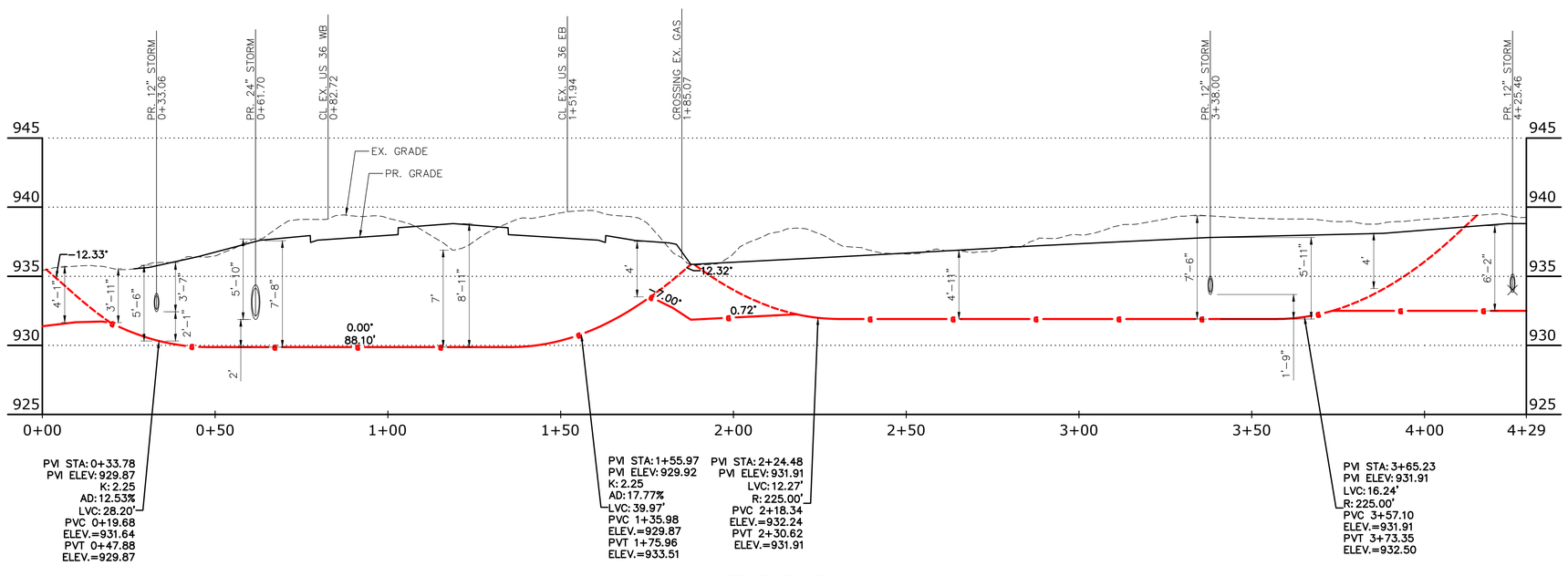
UTI PROJECT #: 22-241
DATE: 10/31/2022
SCALE: HORIZONTAL: 1" = 200' VERTICAL:
DRAWING #: 22-241-101-R01
SHEET #: 1/3

P:\Client\Suburban\22241_US 36 & SR 521\DWG\03-Alignment\241192_SNG_US 36 SR 521 Relocation Plan_221017.dwg Layout:COVER by:CCampbell on 10/31/2022 @ 04:44:01 pm -- © Utility Technologies International



PLAN VIEW
SCALE: 1 IN. = 20 FT.

CONTRACTOR TO VERIFY ALL UTILITY DEPTHS PRIOR TO CONSTRUCTION



PROFILE VIEW
HORIZONTAL SCALE: 1 IN. = 20 FT.
VERTICAL SCALE: 1 IN. = 5 FT.

GRAPHIC SCALE
20' 10' 0 20'
1 inch = 20 ft.

CHANGE ORDER SCHEDULE

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SUBURBAN NATURAL GAS COMPANY
US-36 & SR-521 SERVICE RELOCATION
DELAWARE COUNTY, OH
PLAN & PROFILE

IFA
(ISSUED FOR APPROVAL)

DESIGN	DRAFT	CHECK
CTC	CTC	JSD

UTI PROJECT #: 22-241
DATE: 10/31/2022
SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 5'
DRAWING #: 22-241-101-R01
SHEET #: 2/3

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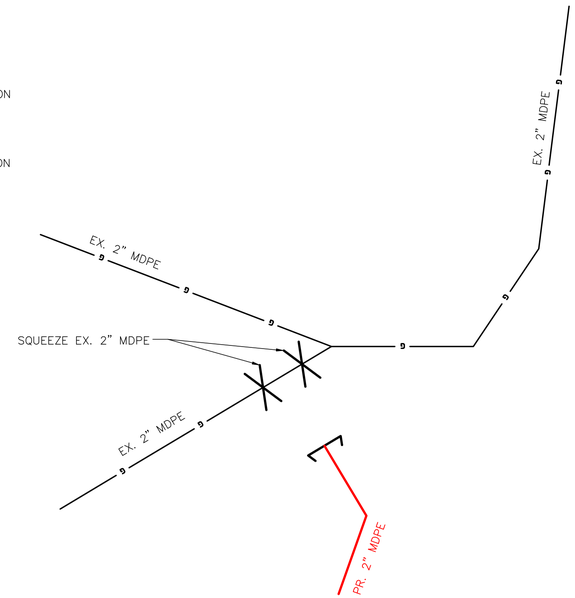
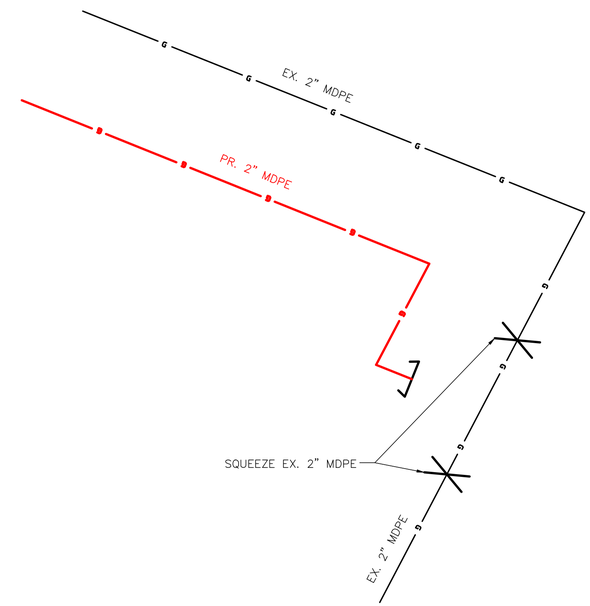
TIE-IN, TAP, AND PURGE PROCEDURE FOR PLASTIC PIPELINE:

1. INSTALL NEW 2" MDPE PIPELINE VIA DIRECT BURY AND BORE
2. PRESSURE TEST PIPE AND TAP FITTINGS FOR ALL NEWLY INSTALLED MATERIAL
3. SQUEEZE AND CUT BETWEEN SQUEEZES ON EX. 2" MDPE AT NORTH SIDE TIE-IN LOCATION
4. TIE-IN NEW 2" MDPE TO EX. 2" MDPE AT NORTH SIDE TIE-IN USING A 2" ELBOW AND 2" ELECTROFUSION COUPLING
5. PURGE NEW 2" MDPE INTO SERVICE
6. INSTALL CAP ON EX. 2" MDPE TO BE ABANDONED AT NORTH SIDE TIE-IN LOCATION
7. SQUEEZE AND CUT BETWEEN SQUEEZES ON EX. 2" MDPE AT SOUTH SIDE TIE-IN LOCATION
8. TIE-IN NEW 2" MDPE TO EX. 2" MDPE AT SOUTH SIDE TIE-IN USING A 2" ELBOW AND 2" ELECTROFUSION COUPLING
9. INSTALL CAP ON EX. 2" MDPE TO BE ABANDONED AT SOUTH SIDE TIE-IN LOCATION



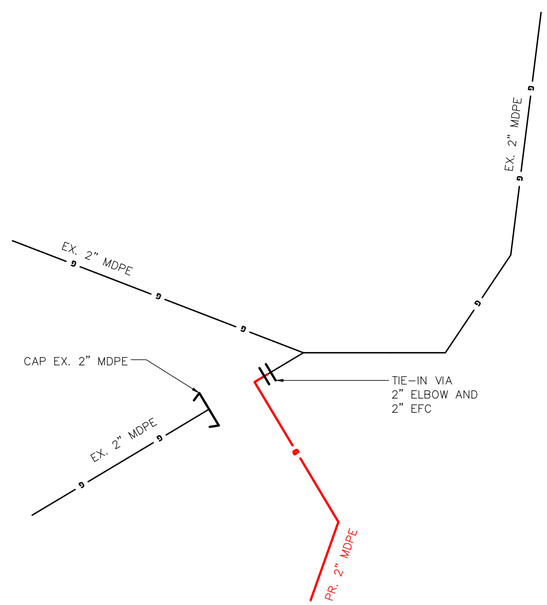
NORTH SIDE TIE-IN DETAIL - BEFORE

NOT TO SCALE



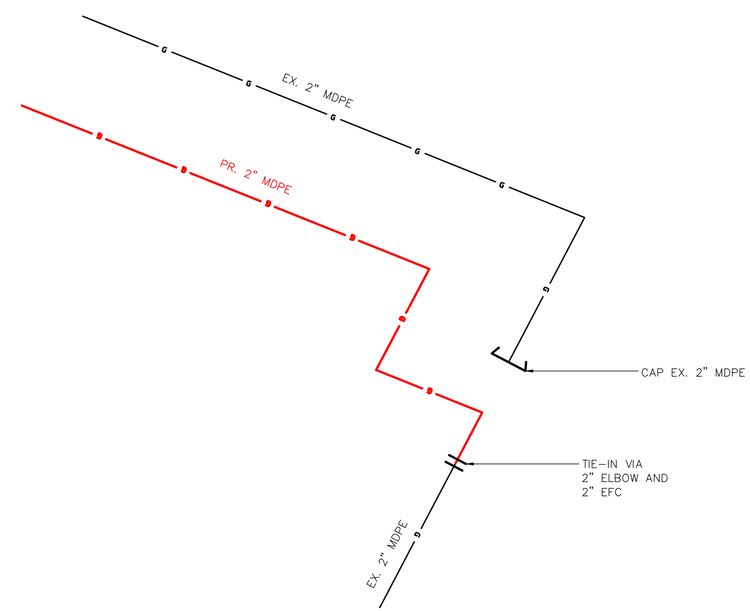
SOUTH SIDE TIE-IN DETAIL - BEFORE

NOT TO SCALE



NORTH SIDE TIE-IN DETAIL - AFTER

NOT TO SCALE



SOUTH SIDE TIE-IN DETAIL - AFTER

NOT TO SCALE

GRAPHIC SCALE

0

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DELAWARE COUNTY, OH

TIE-IN DETAILS

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DRAWING #: 22-241-101-R01

SHEET #: 3/3

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