



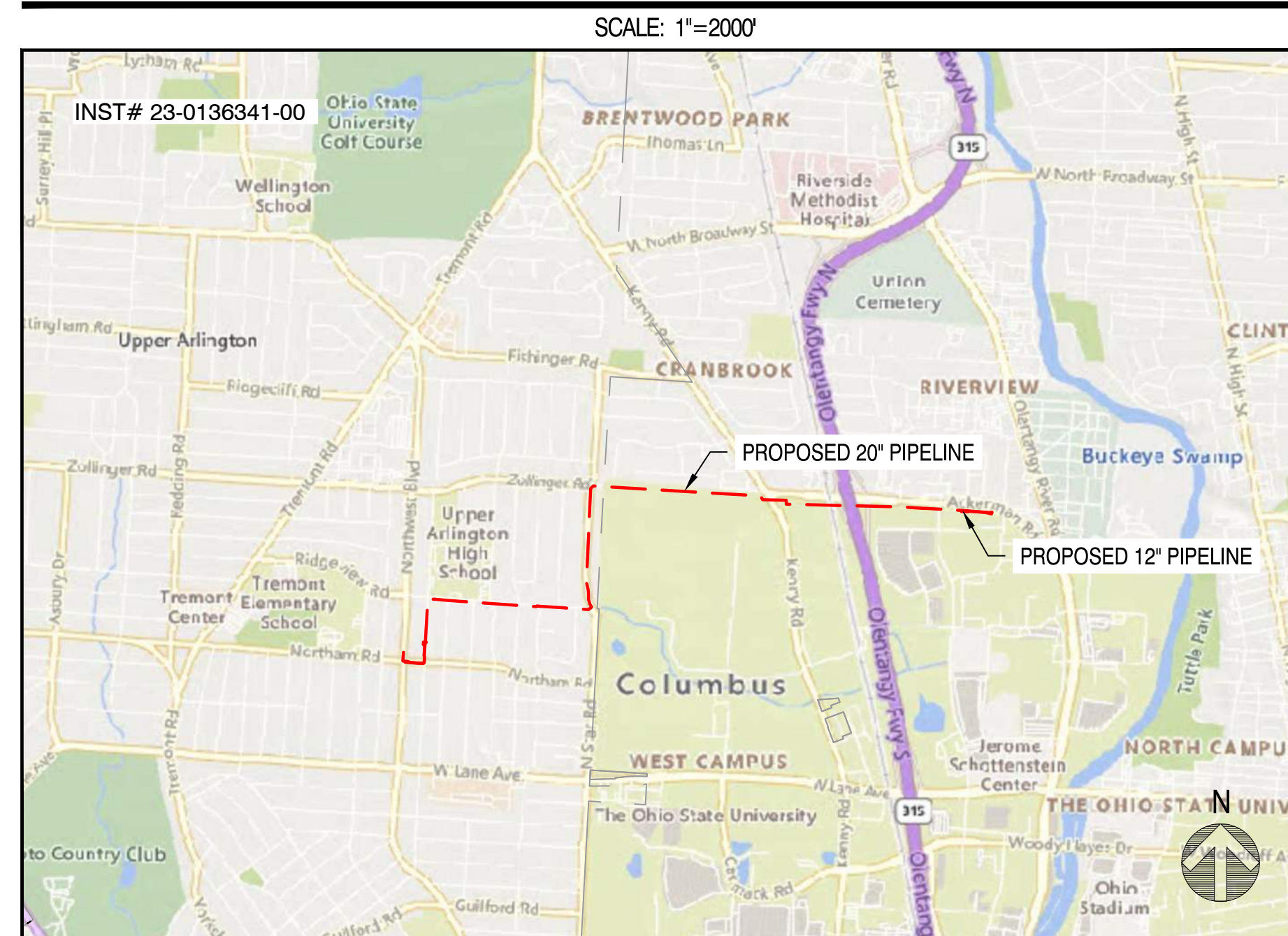
INSTALLATION ORDER NUMBER 23-0136341-00 & 24-0136890-00
ABANDONMENT ORDER NUMBER 23-0136342-00 & 24-0136891-00
PROJECT ID 21-78791
NCHP PIPELINE REPLACEMENT, WEST-CENTRAL
JOB TYPE: MAINS-LEAKAGE ELIMINATION (557)



PROJECT INFORMATION

FIELD ENGINEER/TECHNICIAN KAITLIN DYGERT
 CONSTRUCTION FFL: MATTHEW ALIFF
 PERMITS: CITY OF UPPER ARLINGTON PERMIT
 CITY OF COLUMBUS PERMIT
 OPSB PERMIT
 ODOT PERMIT
 CSX PERMIT
 ENVIRONMENTAL PERMITS
 TCC/LOA: 1324/COLUMBUS NORTHWEST
 COUNTY: FRANKLIN COUNTY, OH
 TAX DISTRICT/TOWNSHIP ID: 070 - CITY OF UPPER ARLINGTON / 0250200
 010 - CITY OF COLUMBUS / 0250010
 MAP/GRID NUMBER: 7324428B
 TVC DOCUMENTATION REQUIRED: YES
 24 HR. EMERGENCY LINE: 1-800-344-1077

VICINITY MAP



SHEET INDEX

DWG.	DESCRIPTION
T-2001 - T-2002	TITLE SHEET AND SHEET INDEX
O-2001	OVERVIEW ALIGNMENT SHEETS
L-2010 - L-2023, L-2034	ALIGNMENT SHEETS
D-2023	RIDGEVIEW BRIDLE DETAIL

PROJECT DESCRIPTION

INSTALLATION OF 2.1 MILES OF 20-INCH HIGH PRESSURE STEEL PIPELINE; 80 FEET OF 16-INCH HIGH PRESSURE STEEL PIPELINE AND 481 FEET OF 12-INCH HIGH PRESSURE STEEL PIPELINE

SYSTEM DATA			
	MINIMUM (PSIG / MCFH)	MAXIMUM (PSIG / MCFH)	MAOP (PSIG)
DESIGN PRESSURE	190 PSIG	720 PSIG	190 PSIG
DESIGN FLOW	N/A MCFH	N/A MCFH	

DESIGN DATA		
DESIGN FACTOR:	0.4	REF CFR 192.111
DESIGN PRESSURE:	720 PSIG	≥ INLET MAOP
MINIMUM ALLOWABLE TEST PRESSURE*:	1080 PSIG	1.5x DESIGN PRESSURE
MAXIMUM ALLOWABLE TEST PRESSURE*:	1280 PSIG	PER CLIENT
MIN. TEST DURATION:	8 HRS	PER G.S. 1500 SERIES
PERCENT SMYS AT DESIGN PRESSURE:	36.92%	% SMYS BASED ON: 20", 0.375" W/T, X-52
PERCENT SMYS AT MAOP:	9.74%	% SMYS BASED ON: 20", 0.375" W/T, X-52
PERCENT SMYS AT MIN. TEST PRESSURE:	55.38%	% SMYS BASED ON: 20", 0.375" W/T, X-52
PERCENT SMYS AT MAX. TEST PRESSURE:	65.64%	% SMYS BASED ON: 20", 0.375" W/T, X-52
MAOP LIMITING ELEMENT:	PRESSURE TEST	
TEST MEDIUM	WATER	
PERCENT X-RAY	100%	

* TEST PRESSURES IN TABLE DEFINE THE OVERALL PRESSURE LIMITS DURING TESTING. SEE HYDROTEST SHEETS FOR GAUGE LOCATION PRESSURES.

REVISIONS

REV. #	DATE	ISSUED FOR PERMIT	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT	

INTERNAL ENG.	EK	05/31/23	614-981-0661
DESIGNED BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
 TITLE SHEET

DRAWING NO:
T-2001



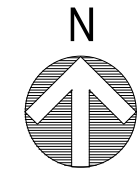
SHEET INDEX		
DWG.	DESCRIPTION	REV
GENERAL		
T-2001	TITLE SHEET	0
T-2002	INDEX SHEET	0
ALIGNMENT SHEETS		
O-2001	OVERVIEW SHEET	0
L-2010	20" PIPELINE NORTHAM ALIGNMENT STA 0+00 TO STA 6+06	0
L-2011	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 0+00 TO STA 8+00	0
L-2012	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 8+00 TO STA 17+00	0
L-2013	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 17+00 TO STA 25+00	0
L-2014	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 25+00 TO STA 33+00	0
L-2015	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 33+00 TO STA 42+00	0
L-2016	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 42+00 TO STA 51+00	0
L-2017	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 51+00 TO STA 61+00	0
L-2018	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 61+00 TO STA 71+00	0
L-2019	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 71+00 TO STA 81+00	0
L-2020	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 81+00 TO STA 91+00	0
L-2021	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 91+00 TO STA 101+00	0
L-2022	20" PIPELINE BRANDON TO DEFIANCE ALIGNMENT STA 101+00 TO STA 110+37	0
L-2023	20" PIPELINE PRE-PHASE 4 ALIGNMENT STA 0+00 TO STA 5+ 56	0
L-2033	12" CSHP DEFIANCE LATERAL ALIGNMENT STA 0+00 TO STA 4+63	0
L-2034	20" TEMPORARY PHASE 4 STA 0+00 TO STA 0+44	0
D-2023	16" RIDGEVIEW BRIDLE LAYOUT	0

REVISIONS			
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0	11/26/24	ISSUED FOR PERMIT	
INTERNAL ENG.	EK	05/31/23	614-981-0661
DESIGNED BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
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PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
 INDEX SHEET

DRAWING NO:
T-2002



OVERVIEW SHEET INDEX
SCALE: 1"=1000'

NiSource

Ohio Utilities Protection Service
Call 811
before you dig

CAMPOS
EPC

401 N Front St, Suite 380, Columbus, OH 43215
(380) 799-8503

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT

REV. #	DATE	DESCRIPTION
INTERNAL ENG.	EK	05/31/23 614-981-0661
DESIGNED BY	JEM	05/31/23 855-266-7671
CHECKED BY	JMJ	05/31/23 855-226-7671
AS-BUILT BY	TBD	TBD
	NAME	DATE PHONE #

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ABAN# 23-0136342-00
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ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
OVERVIEW SHEET

DRAWING NO:
O-2001

NOTE:
1. AERIAL IMAGERY IS FOR REFERENCE ONLY

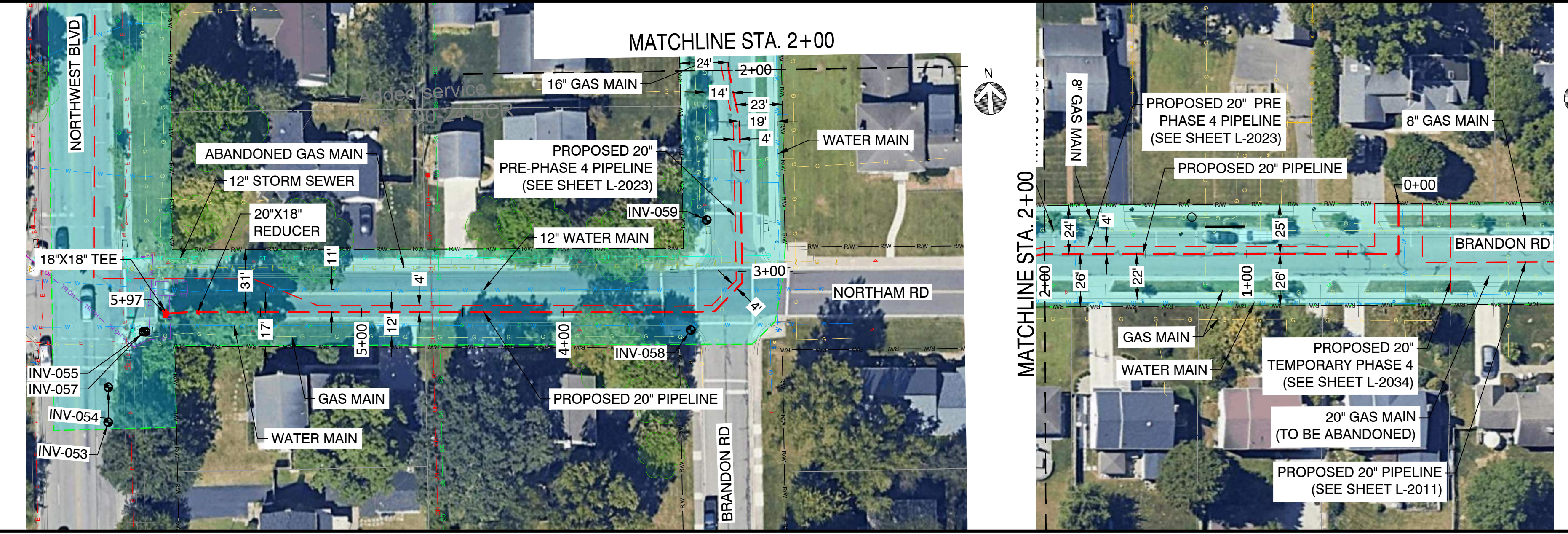
OWNERSHIP		CITY OF UPPER ARLINGTON	
JURISDICTION / PARCEL ID		CITY OF UPPER ARLINGTON / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX	STA. 6+06	1080 PSIG MIN / 1280 PSIG MAX	
DESIGN INFORMATION		CLASS IV / 720 PSIG	
CONSTRUCTION METHOD		OPEN CUT	STA. 0+00
MATERIALS		606'	



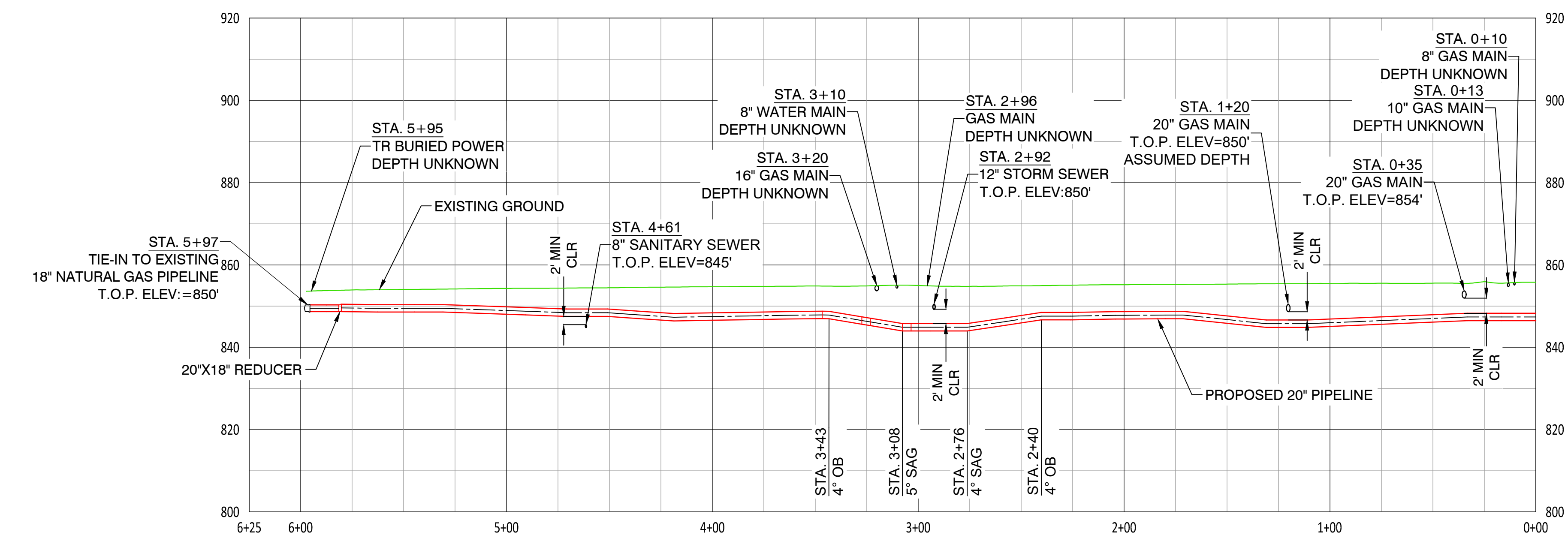
HORIZONTAL STATIONING

STA. 5+97
18"X18" TEE
TR BURIED POWER
STA. 5+80
18" TEST STATION WITH #17 ANODE
STA. 5+81
20"X18" REDUCER
STA. 4+65
DOP OVERHEAD POWER
STA. 4+61
8" SANITARY SEWER
STA. 3+25
45" RB
STA. 3+20
16" GAS MAIN
STA. 3+10
8" WATER MAIN
STA. 3+06
45" RB
STA. 2+96
GAS MAIN
STA. 2+92
12" STORM SEWER
STA. 2+26
11" RB
STA. 2+00
11" LB
STA. 1+20
20" GAS MAIN
STA. 0+35
20" GAS MAIN
STA. 0+25
90" RB
STA. 0+13
10" GAS MAIN
STA. 0+10
8" GAS MAIN

PROPOSED PLAN
SCALE: 1" = 40'



PROPOSED PROFILE
SCALE HORIZ.: 1" = 40' / SCALE VERT.: 1" = 20'



- NOTES:
- CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
 - SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
 - THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A COVER OF 6'-0" TO ACCOUNT FOR THE DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
 - VERTICAL BENDS CALL OUT IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE. REFER TO GS 3010.030 FOR FURTHER DETAILS.
 - CORROSION PROTECTION IS DESIGNED BY NISOURCE AND IS NOT COVERED WITHIN THE ENGINEER'S STAMP
 - AERIAL IMAGERY IS FOR REFERENCE ONLY
 - FITTING EXTENTS SHOWN IN THE PROFILE ARE FOR REFERENCE ONLY. REFER TO STATIONING
 - BAND FOR LOCATIONS OF ANTICIPATED FITTINGS. A 3X DIAMETER OF STRAIGHT PIPE IS REQUIRED BETWEEN ALL FITTINGS. REFER TO GS 2110.020 FOR FURTHER DETAILS

REVISIONS

REV. #	DATE	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT

DESIGNED BY	DATE	PHONE #
EK	05/31/23	614-981-0661
DRAWN BY <td>JEM</td> <td>05/31/23 855-266-7671</td>	JEM	05/31/23 855-266-7671
CHECKED BY <td>JMJ</td> <td>05/31/23 855-226-7671</td>	JMJ	05/31/23 855-226-7671
AS-BUILT BY <td>TBD</td> <td>TBD</td>	TBD	TBD

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE NORTHAM ALIGNMENT
 STA. 0+00 TO STA. 6+06

DRAWING NO:
L-2010

401 N Front St, Suite 380, Columbus, OH 43215
 (303) 623-3345
PROPOSED

OWNERSHIP	CITY OF UPPER ARLINGTON
JURISDICTION / PARCEL ID	CITY OF UPPER ARLINGTON / FRANKLIN COUNTY
TEST PRESSURE MIN/MAX	1080 PSIG MIN / 1280 PSIG MAX
DESIGN INFORMATION	CLASS IV / 720 PSIG
CONSTRUCTION METHOD	OPEN CUT
MATERIALS	800'



HORIZONTAL STATIONING

STA. 0+00
EXIT BRANDON STATION
TA. 0+11
GAS MAIN
TA. 0+13
7" GAS MAIN
STA. 0+16
20" INSULATING JOINT
STA. 0+16
TEST STATION WITH #17 ANO
STA. 0+29
90' LB
STA. 0+43
PROPOSED 20" GAS MAIN

BRANDON ROAD RMV
INST# 1324 - JO# 0136953-00

18" GAS MAIN
(TO BE ABANDONED)

PROPOSED 20"
PRE-PHASE 4 PIPELINE
(SEE SHEET 2024)

0+00

1+00

2+00

3+00

4+00

5+00

6+00

7+00

8+00

8" GAS MAIN

PROPOSED 20" PIPELINE

BRANDON RD

WATER MAIN

DOP BURIED POWER

INV-060 R1
INV-060 R1

RIDGEVIEW RD

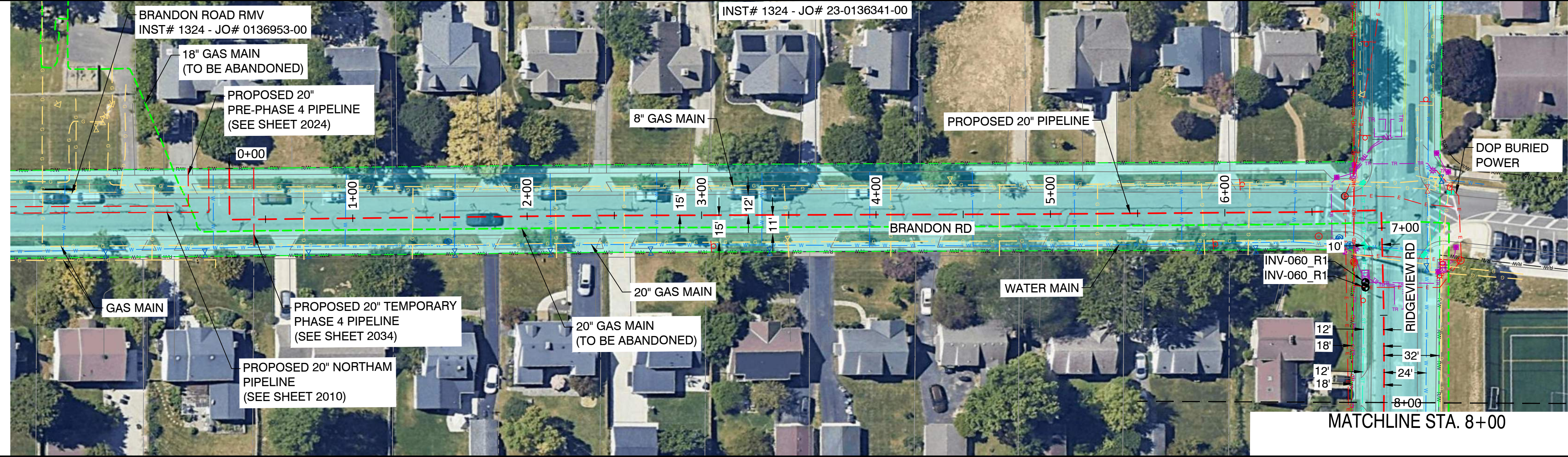
12'
18'
12'
18'

32'
24'

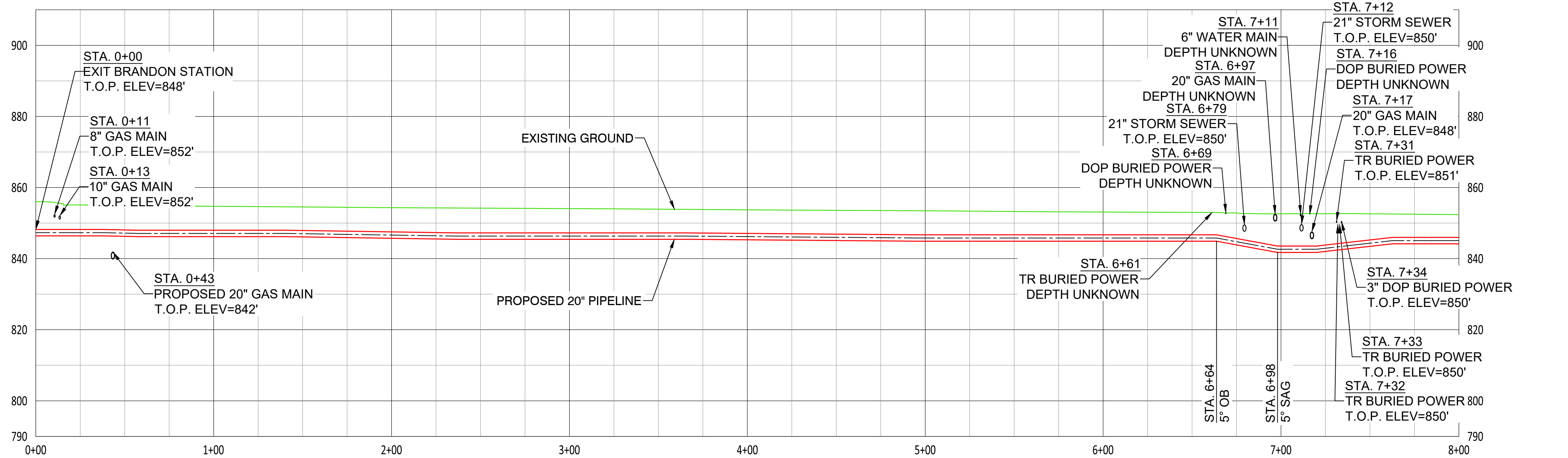
8+00

STA. 6+61
TR BURIED POWER
STA. 6+69
DOT FIBER OPTIC LINE
STA. 6+74
DOP OVERHEAD POWER
STA. 6+74
DOP OVERHEAD POWER
STA. 6+79
21" STORM SEWER
STA. 6+90
90' RB
STA. 6+97
20" GAS MAIN
STA. 7+11
6" WATER MAIN
STA. 7+12
21" STORM SEWER
STA. 7+16
DOP BURIED POWER
STA. 7+17
20" GAS MAIN
STA. 7+31
TR BURIED POWER
STA. 7+32
TR BURIED POWER
STA. 7+33
TR BURIED POWER
STA. 7+34
3" DOP BURIED POWER

PROPOSED PLAN
SCALE: 1" = 40'



PROPOSED PROFILE
SCALE: HORIZ. 1" = 40' / VERT. 1" = 20'



- NOTES:
- CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
 - SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
 - THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A COVER OF 6'-0" TO ACCOUNT FOR THE DEPTH OF UNKNOWN SERVICE LINES. MINIMUM
 - ALLOWABLE DEPTH OF COVER IS 4'-0"
 - VERTICAL BENDS CALLED OUT IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE. REFER TO GS 3010.030 FOR FURTHER DETAILS
 - CORROSION PROTECTION IS DESIGNED BY NISOURCE AND IS NOT COVERED WITHIN THE ENGINEER'S STAMP
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401 N Front St, Suite 380, Columbus, OH 43215
(303) 623-3345

PROPOSED

REVISIONS			
REV. #	DATE	ISSUED FOR PERMIT	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT	
DESIGNED BY	EK	05/31/23	614-981-0661
DRAWN BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

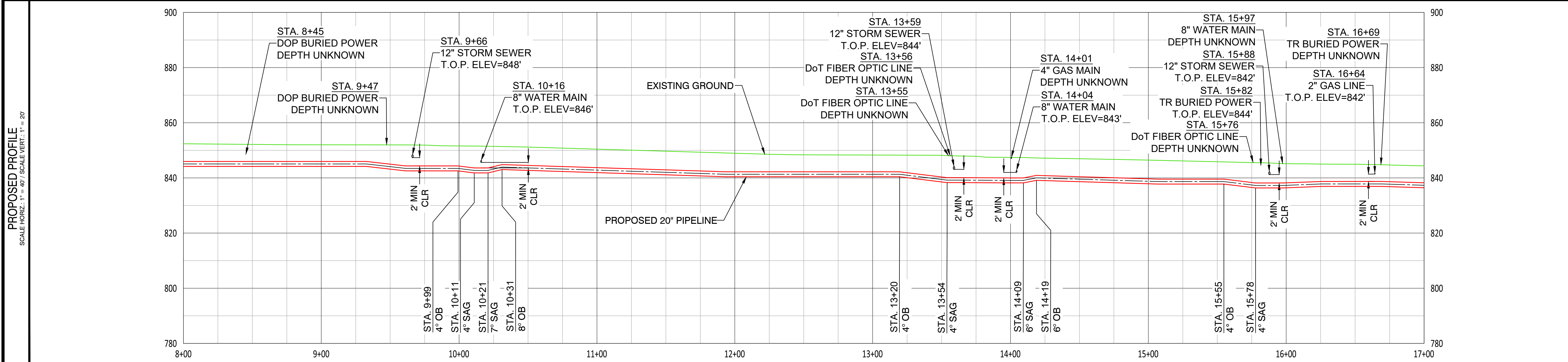
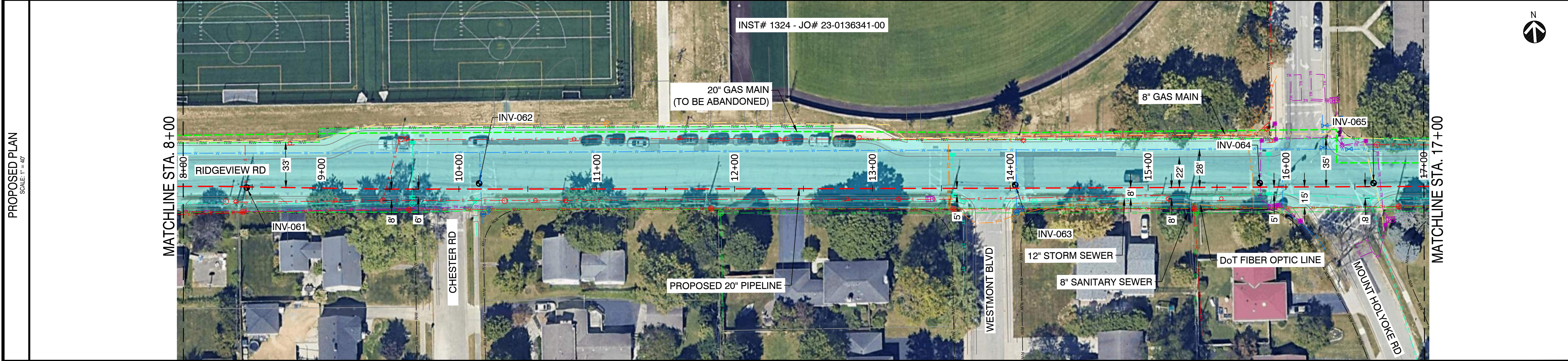
SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 0+00 TO STA. 8+00

DRAWING NO:
L-2011

OWNERSHIP		CITY OF UPPER ARLINGTON	
JURISDICTION / PARCEL ID		CITY OF UPPER ARLINGTON / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX		1080 PSIG MIN / 1280 PSIG MAX	
DESIGN INFORMATION		CLASS IV / 720 PSIG	
CONSTRUCTION METHOD	STA. 8+00	OPEN CUT	STA. 17+00
MATERIALS		900'	

HORIZONTAL STATIONING	STA. 8+45 DOP BURIED POWER	STA. 9+47 DOP BURIED POWER	STA. 9+66 12" STORM SEWER	STA. 10+16 8" WATER MAIN	STA. 13+55 DOP FIBER OPTIC LINE	STA. 13+56 DOP FIBER OPTIC LINE	STA. 13+59 12" STORM SEWER	STA. 13+95 TEST STATION WITH #17 ANODE	STA. 14+01 4" GAS MAIN	STA. 14+04 8" WATER MAIN	STA. 15+76 DOP FIBER OPTIC LINE	STA. 15+82 TR BURIED POWER	STA. 15+88 12" STORM SEWER	STA. 15+97 8" WATER MAIN	STA. 16+64 2" GAS LINE	STA. 16+69 TR BURIED POWER
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CAMPOS
EPC
401 N Front St, Suite 380, Columbus, OH 43215
(303) 623-3345
PROPOSED

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PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 8+00 TO STA. 17+00

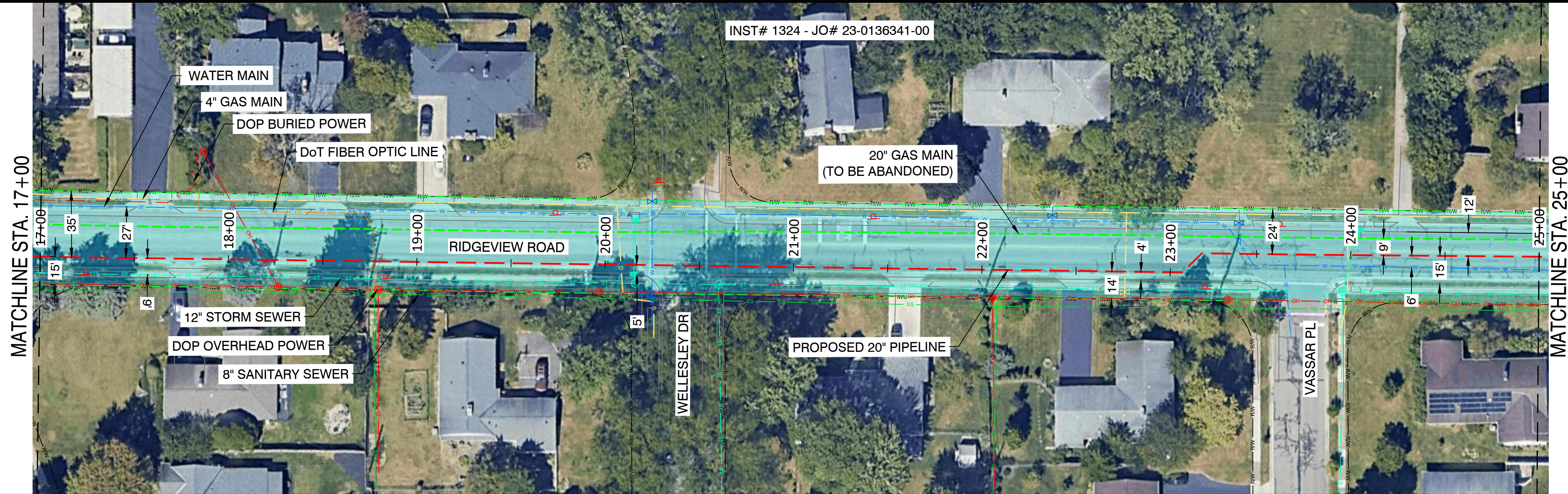
DRAWING NO:
L-2012

OWNERSHIP		CITY OF UPPER ARLINGTON	
JURISDICTION / PARCEL ID		CITY OF UPPER ARLINGTON / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX		1080 PSIG MIN / 1280 PSIG MAX	
DESIGN INFORMATION		CLASS IV / 720 PSIG	
CONSTRUCTION METHOD	STA. 17+00	OPEN CUT	STA. 25+00
MATERIALS		800'	

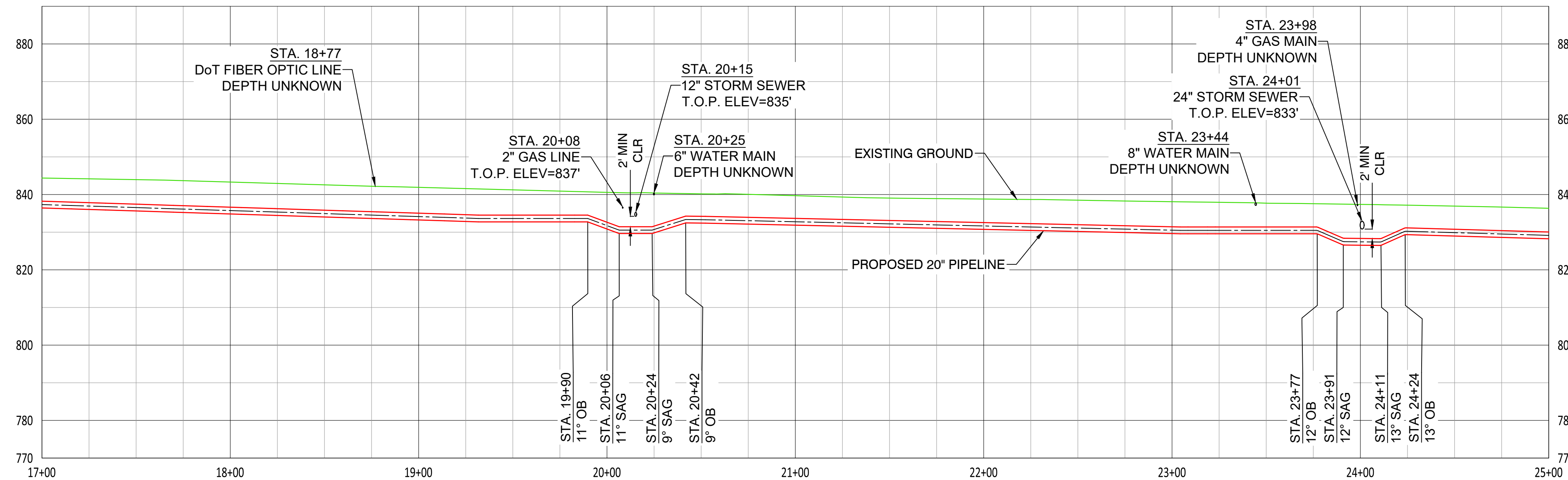


HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'



PROPOSED PROFILE
SCALE HORIZ.: 1" = 40' / SCALE VERT.: 1" = 20'



NOTES:

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401 N Front St, Suite 380, Columbus, OH 43215
(303) 623-3345

PROPOSED

REVISIONS

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DESIGNED BY	DATE	PHONE #
EK	05/31/23	614-981-0661
JEM	05/31/23	855-266-7671
JMJ	05/31/23	855-226-7671
TBD	TBD	TBD

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
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ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 17+00 TO STA. 25+00

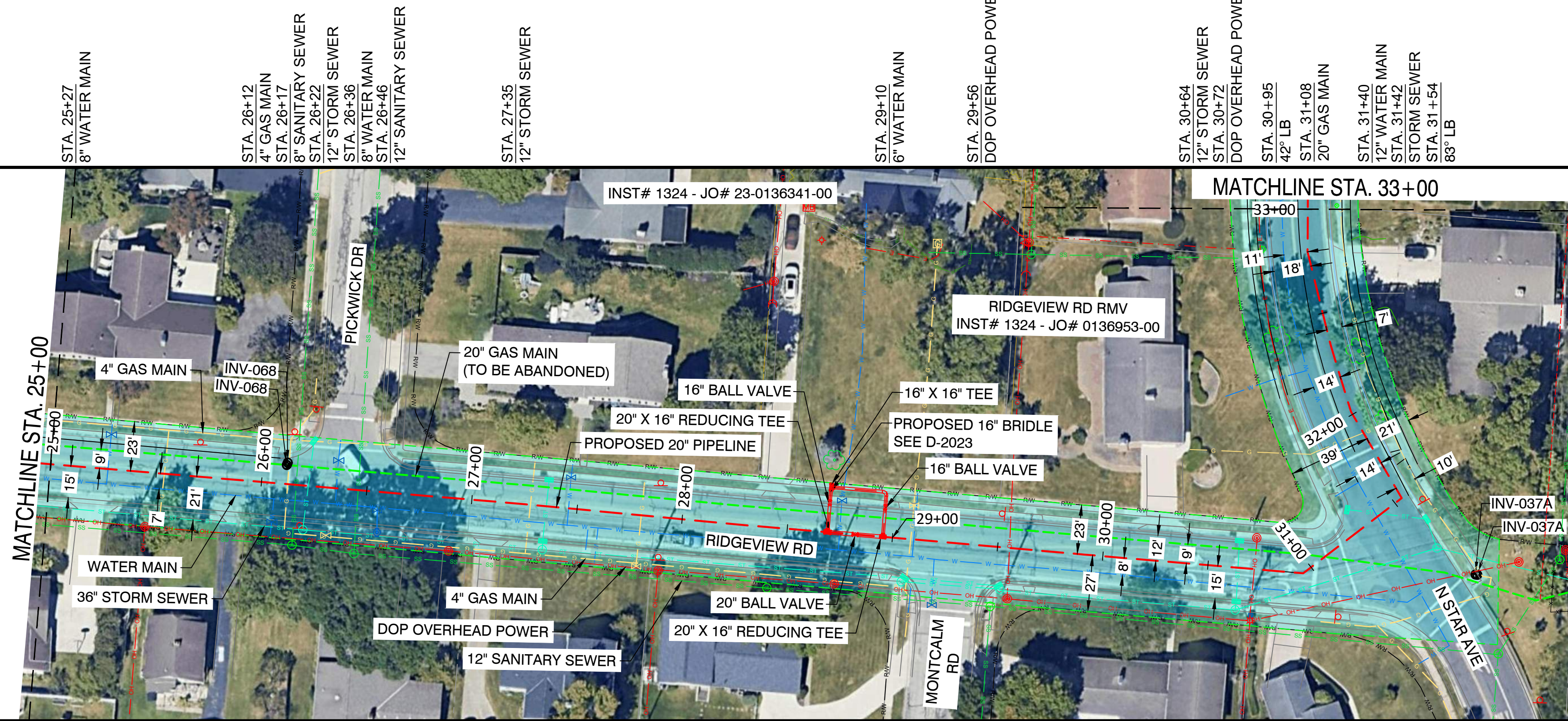
DRAWING NO:
L-2013

OWNERSHIP	CITY OF UPPER ARLINGTON
JURISDICTION / PARCEL ID	CITY OF UPPER ARLINGTON / FRANKLIN COUNTY
TEST PRESSURE MIN/MAX	1080 PSIG MIN / 1280 PSIG MAX
DESIGN INFORMATION	CLASS IV / 720 PSIG
CONSTRUCTION METHOD	OPEN CUT
MATERIALS	800'

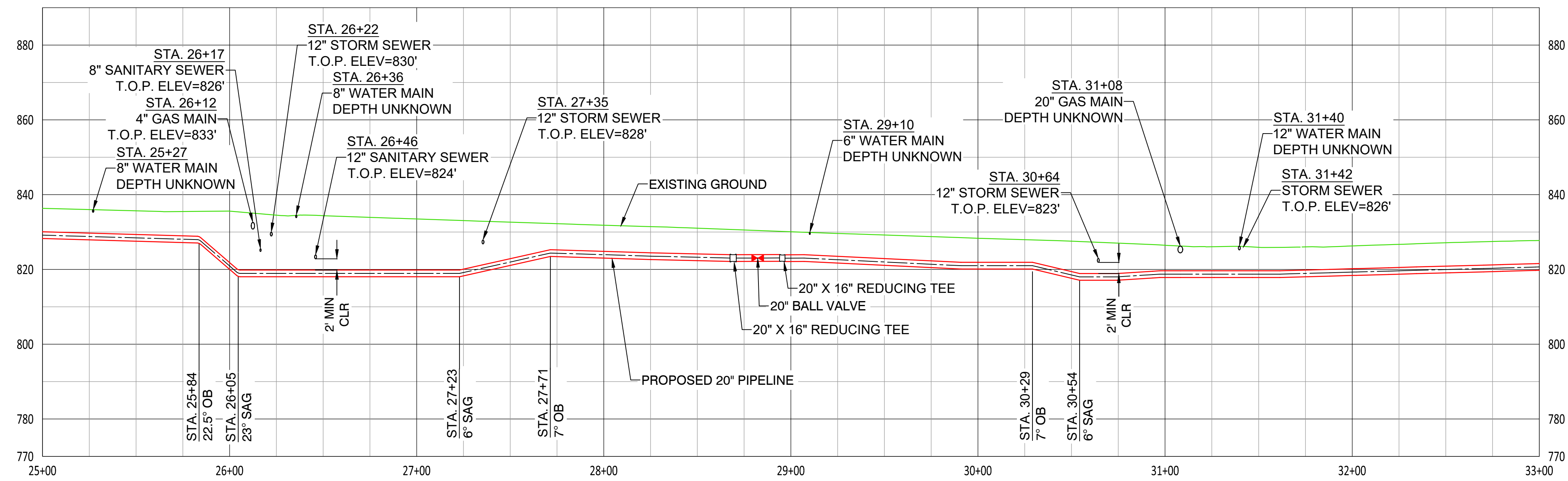


HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'



PROPOSED PROFILE
SCALE: HORIZ. 1" = 40' / SCALE: VERT. 1" = 20'



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PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 25+00 TO STA. 33+00

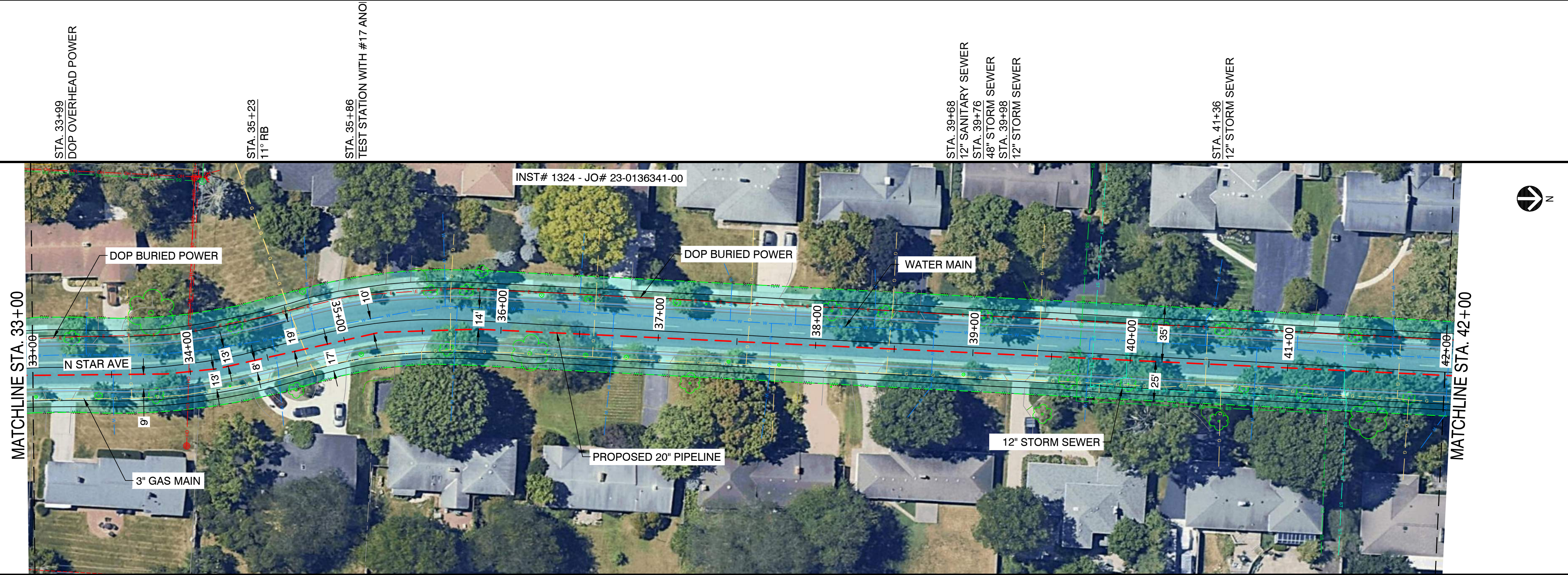
DRAWING NO:
L-2014

OWNERSHIP		CITY OF UPPER ARLINGTON	
JURISDICTION / PARCEL ID		CITY OF UPPER ARLINGTON / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX		1080 PSIG MIN / 1280 PSIG MAX	
DESIGN INFORMATION		CLASS IV / 720 PSIG	
CONSTRUCTION METHOD	STA. 33+00	OPEN CUT	STA. 42+00
MATERIALS		900'	

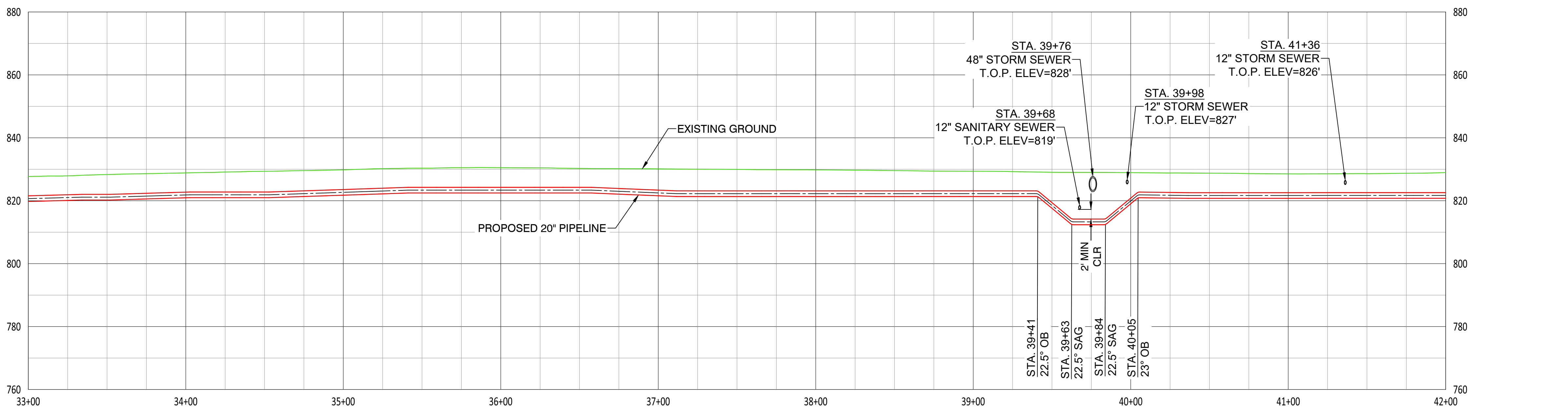


HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'



PROPOSED PROFILE
SCALE HORIZ. 1" = 40' / SCALE VERT. 1" = 20'



NOTES:

- CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
- SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
- THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A COVER OF 6'-0" TO ACCOUNT FOR THE DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
- VERTICAL BENDS CALLED OUT IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE. REFER TO GS 3010.030 FOR FURTHER DETAILS
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REVISIONS			
REV. #	DATE	ISSUED FOR PERMIT	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT	

DESIGNED BY	EK	05/31/23	614-981-0661
DRAWN BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 33+00 TO STA. 42+00

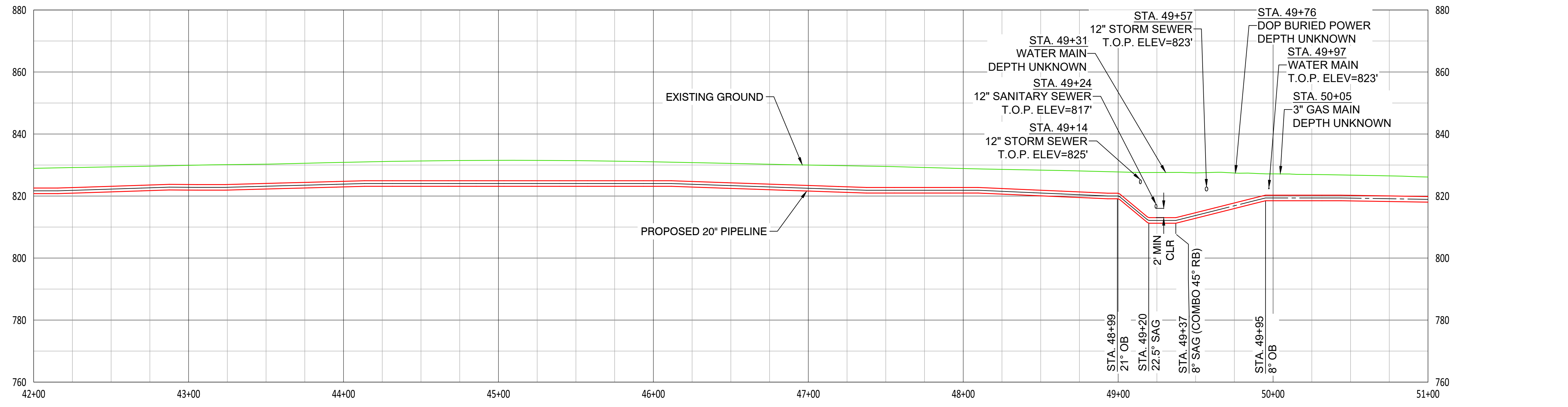
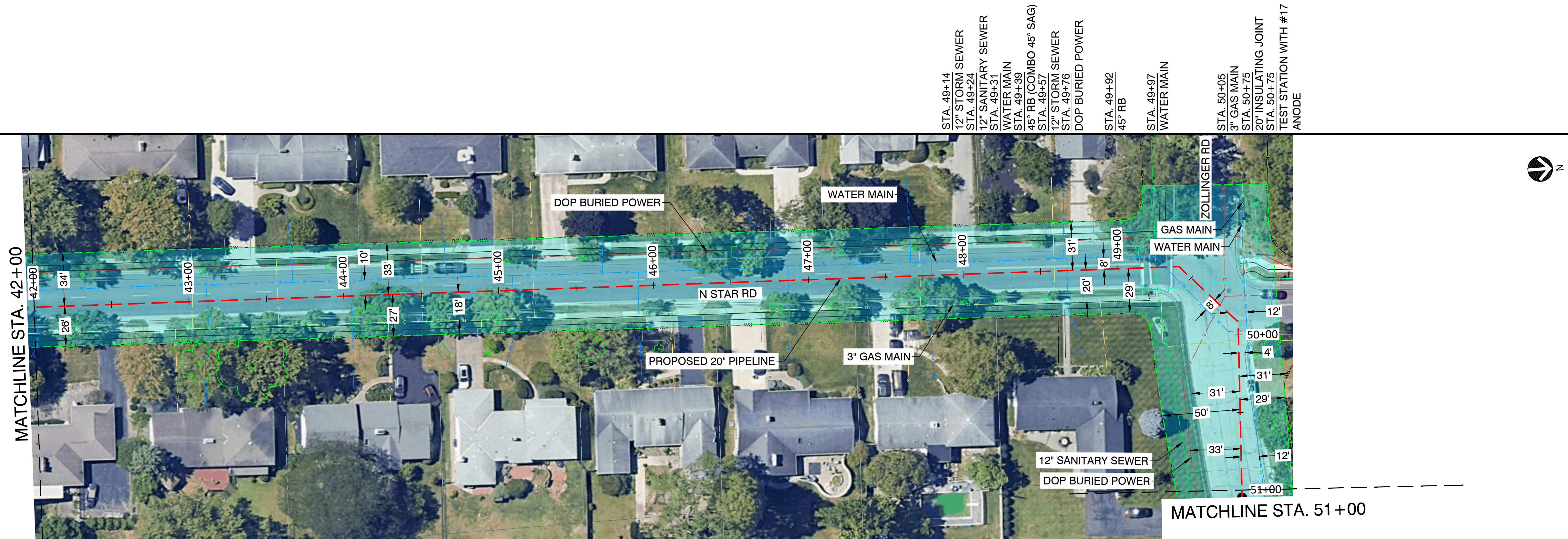
DRAWING NO:
L-2015

OWNERSHIP	CITY OF UPPER ARLINGTON
JURISDICTION / PARCEL ID	CITY OF UPPER ARLINGTON / FRANKLIN COUNTY
TEST PRESSURE MIN/MAX	1080 PSIG MIN / 1280 PSIG MAX
DESIGN INFORMATION	CLASS IV / 720 PSIG
CONSTRUCTION METHOD	OPEN CUT
MATERIALS	90'

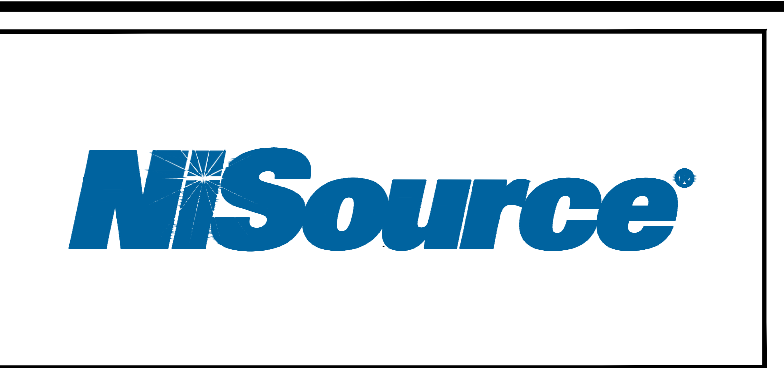
HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'

PROPOSED PROFILE
SCALE HORIZ.: 1" = 40' / SCALE VERT.: 1" = 20'



- NOTES:
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CAMPOS EPC
401 N Front St, Suite 380, Columbus, OH 43215
(380) 799-8503
PROPOSED

REVISIONS			
REV. #	DATE	ISSUED FOR PERMIT	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT	
INTERNAL ENG.	EK	05/31/23	614-981-0661
DESIGNED BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 42+00 TO STA. 51+00

DRAWING NO:
L-2016

OWNERSHIP	CITY OF UPPER ARLINGTON	STATE OF OHIO	
JURISDICTION / PARCEL ID	CITY OF UPPER ARLINGTON / FRANKLIN COUNTY	010-203996	
TEST PRESSURE MIN/MAX		1080 PSIG MIN / 1280 PSIG MAX	
DESIGN INFORMATION		CLASS IV / 720 PSIG	
CONSTRUCTION METHOD	STA. 51+00 OPEN CUT	HDD	STA. 61+00
MATERIALS	40'	960'	



HORIZONTAL STATIONING

STA. 51+05
HDD ENTRY

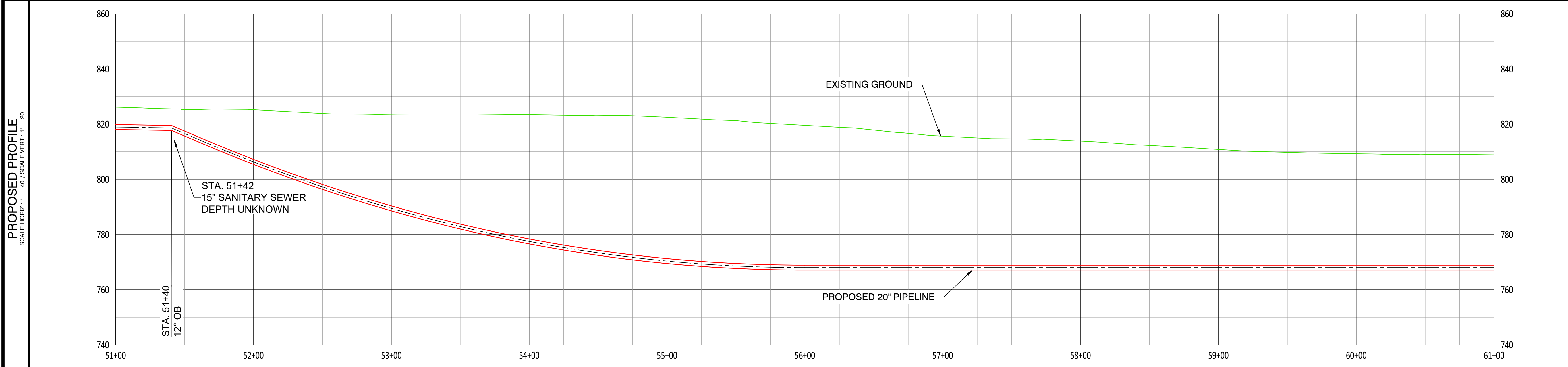
STA. 51+42
12" SANITARY SEWER
DOP OVERHEAD POWER



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REVISIONS

REV. #	DATE	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT

INTERNAL ENG.	NAME	DATE	PHONE #
DESIGNED BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 51+00 TO STA. 61+00

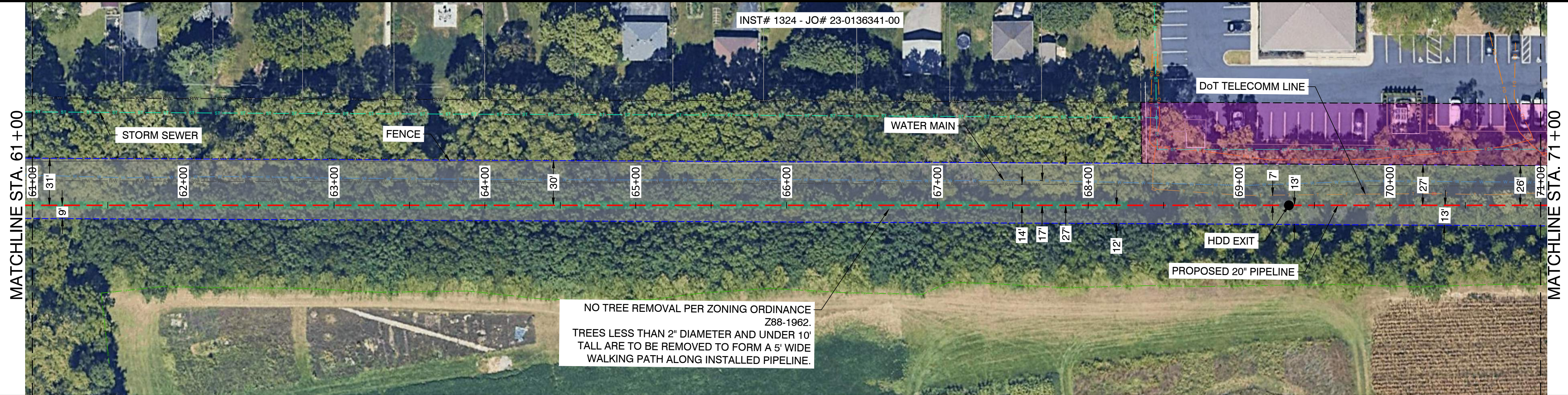
DRAWING NO:
L-2017

- NOTES:**
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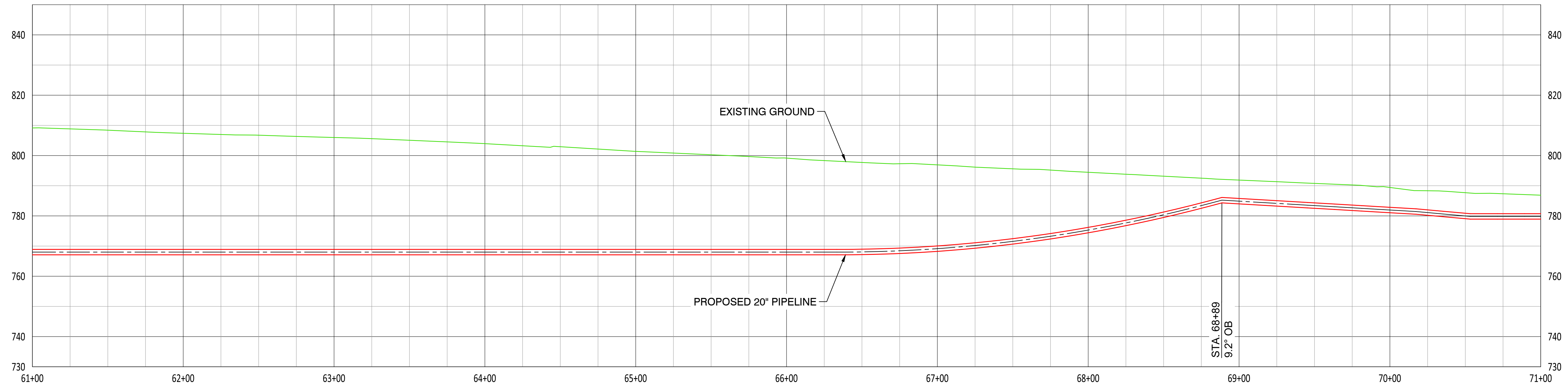
OWNERSHIP	STATE OF OHIO		STA. 61+00	STA. 71+00
JURISDICTION / PARCEL ID	010-203996			
TEST PRESSURE MIN/MAX	1080 PSIG MIN / 1280 PSIG MAX			
DESIGN INFORMATION	CLASS IV / 720 PSIG			
CONSTRUCTION METHOD	HDD	OPEN CUT		
MATERIALS	784'	216'		

HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'



PROPOSED PROFILE
SCALE HORIZ.: 1" = 40' / SCALE VERT.: 1" = 20'



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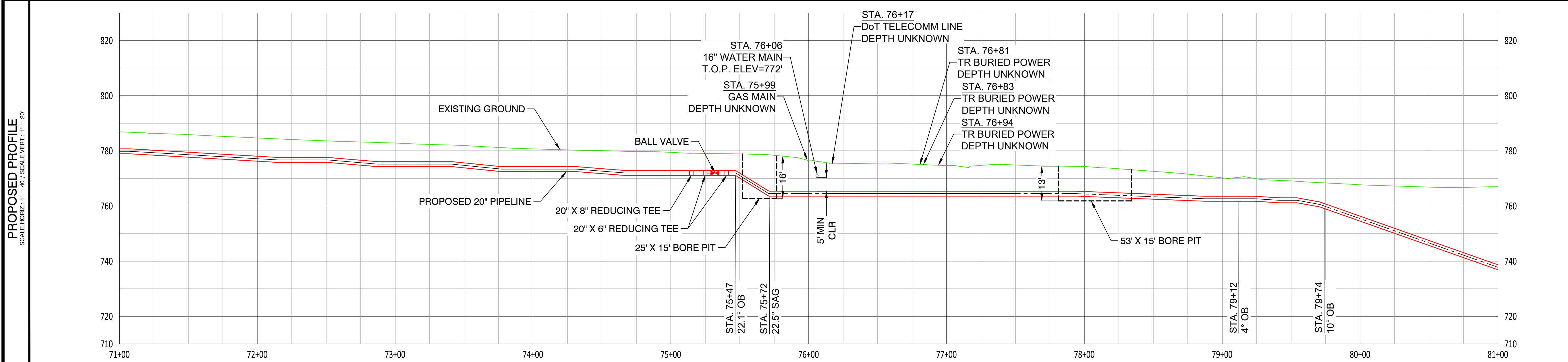
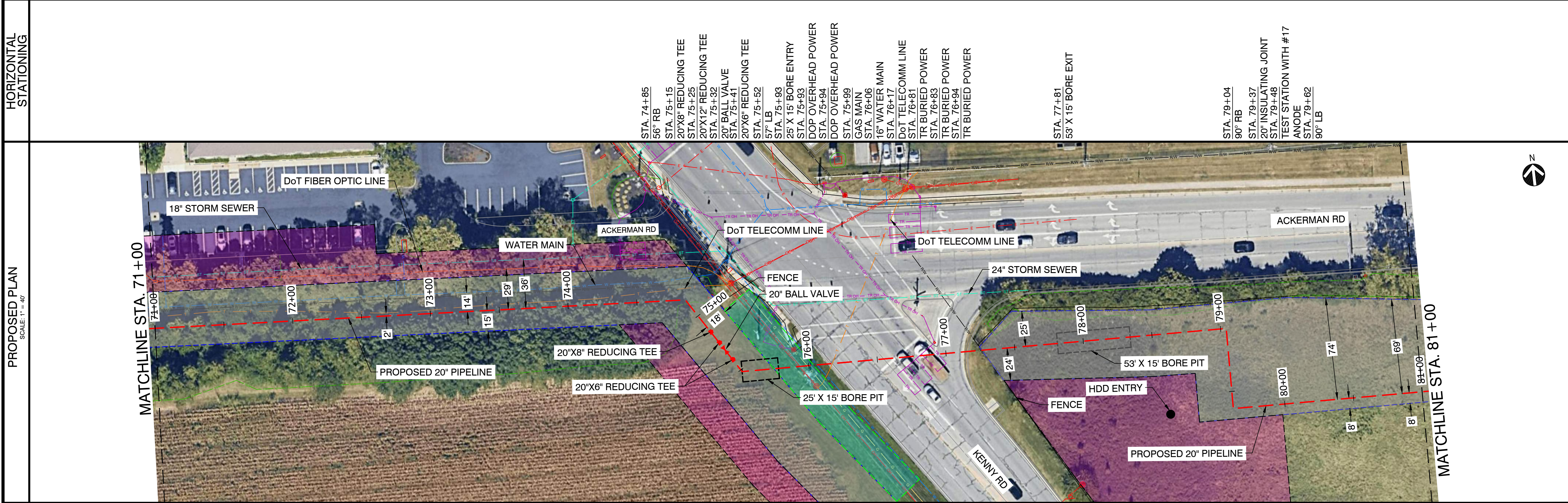
REVISIONS			
REV. #	DATE	ISSUED FOR PERMIT	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT	
INTERNAL ENG.	EK	05/31/23	614-981-0661
DESIGNED BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 61+00 TO STA. 71+00

DRAWING NO:
L-2018

OWNERSHIP	STATE OF OHIO		KENNY ROAD		STATE OF OHIO
JURISDICTION / PARCEL ID	010-203996		CITY OF COLUMBUS/FRANKLIN CO		010-204024
TEST PRESSURE MIN/MAX	1080 PSIG MIN / 1280 PSIG MAX				
DESIGN INFORMATION	CLASS IV / 720 PSIG				
CONSTRUCTION METHOD	OPEN CUT		BORE		HDD
MATERIALS	493'		188'		126'



- NOTES:
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PROPOSED

REVISIONS

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INTERNAL ENG.	EK	05/31/23	614-981-0661
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AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 71+00 TO STA. 81+00

DRAWING NO:
L-2019

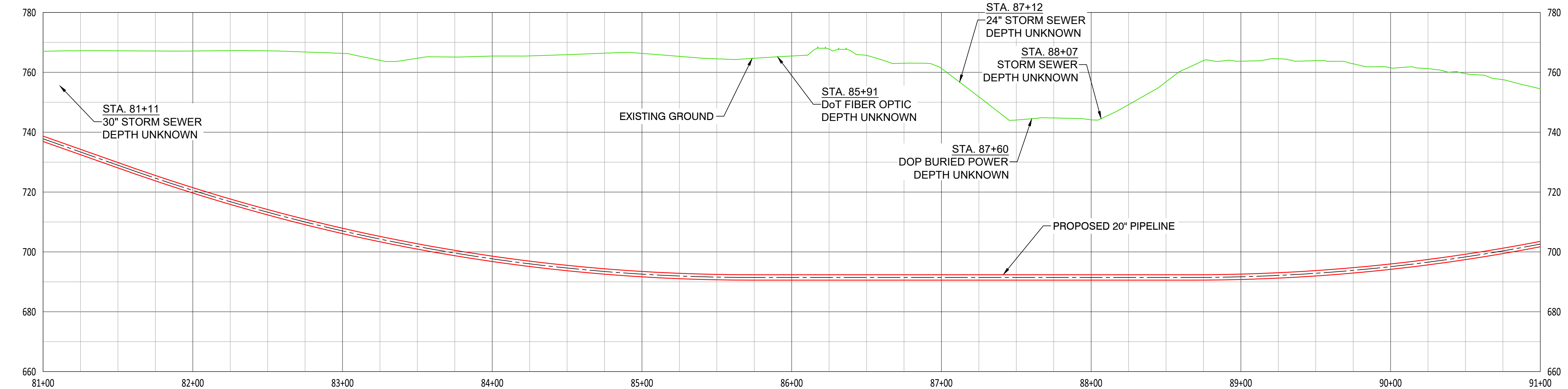
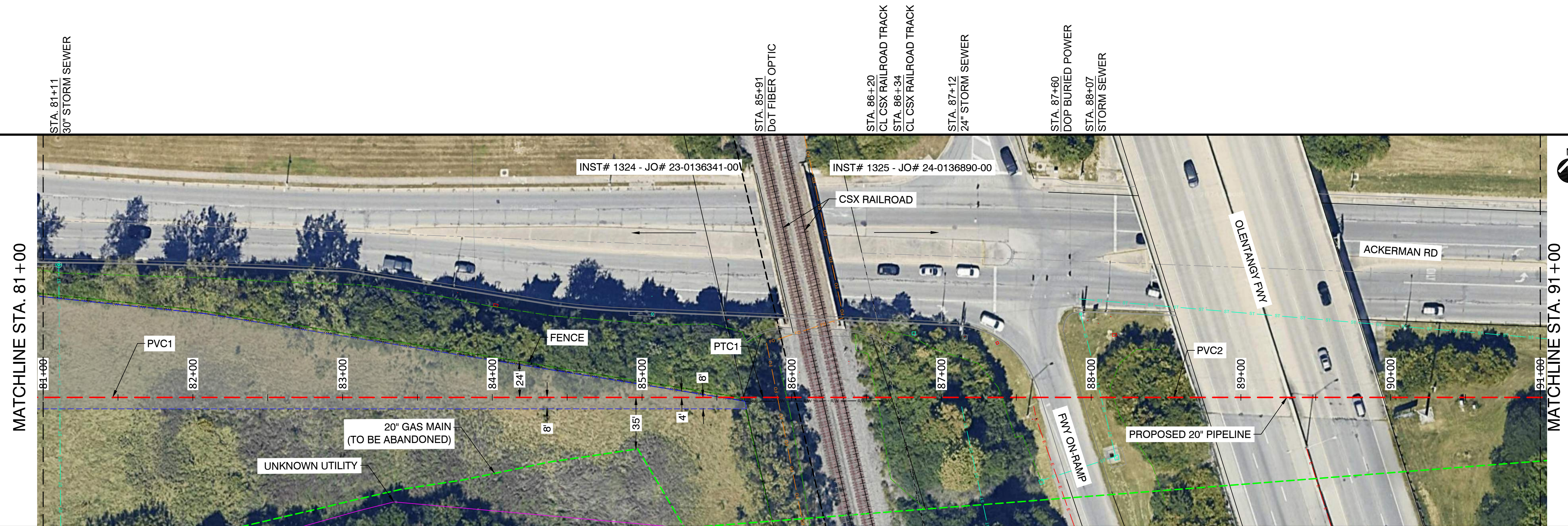
OWNERSHIP	STATE OF OHIO	CITY OF COLUMBUS	CSX TRANSPORTATION	OH-315
JURISDICTION / PARCEL ID	010-204024	CITY OF COLUMBUS / FRANKLIN COUNTY	010-005773	ODOT
TEST PRESSURE MIN/MAX	1080 PSIG MIN / 1280 PSIG MAX			
DESIGN INFORMATION	CLASS IV / 720 PSIG			
CONSTRUCTION METHOD	HDD			
MATERIALS	1.000'			



HORIZONTAL STATIONING

PROPOSED PLAN SCALE: 1" = 40'

PROPOSED PROFILE SCALE: HORIZ. 1" = 40' / VERT. 1" = 20'



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401 N Front St, Suite 380, Columbus, OH 43215
(380) 799-8503
PROPOSED

REVISIONS			
REV. #	DATE	ISSUED FOR PERMIT	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT	

INTERNAL ENG.	EK	05/31/23	614-981-0661
DESIGNED BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 81+00 TO STA. 91+00

DRAWING NO:
L-2020

OWNERSHIP	OH-315	STATE OF OHIO	
JURISDICTION / PARCEL ID	ODOT	010-062731	
TEST PRESSURE MIN/MAX		1080 PSIG MIN / 1280 PSIG MAX	
DESIGN INFORMATION		CLASS IV / 720 PSIG	
CONSTRUCTION METHOD	HDD	OPEN CUT	
MATERIALS	277	723'	

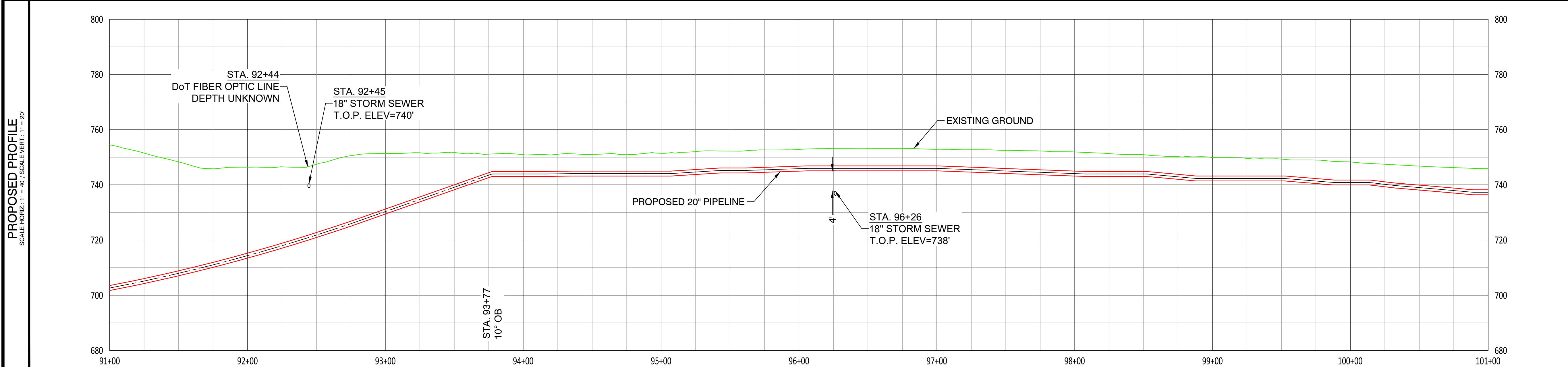
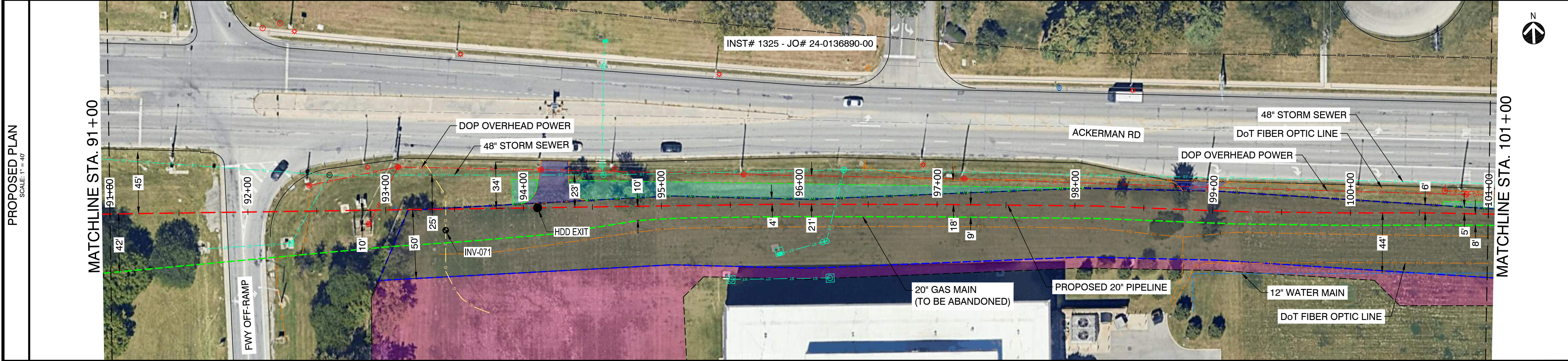
HORIZONTAL STATIONING

STA. 92+44
DoT FIBER OPTIC LINE
STA. 92+45
18" STORM SEWER
STA. 92+93
DOP OVERHEAD POWER

STA. 94+10
HDD EXIT

STA. 94+70
TEST STATION WITH #17
ANODE
STA. 94+70
20" INSULATING JOINT

STA. 96+26
18" STORM SEWER



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(380) 799-8503

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
0	11/26/24	ISSUED FOR PERMIT

INTERNAL ENG.	DATE	PHONE #
EK	05/31/23	614-981-0661
JEM	05/31/23	855-266-7671
JMJ	05/31/23	855-226-7671
TBD	TBD	TBD

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS / FRANKLIN COUNTY, OH

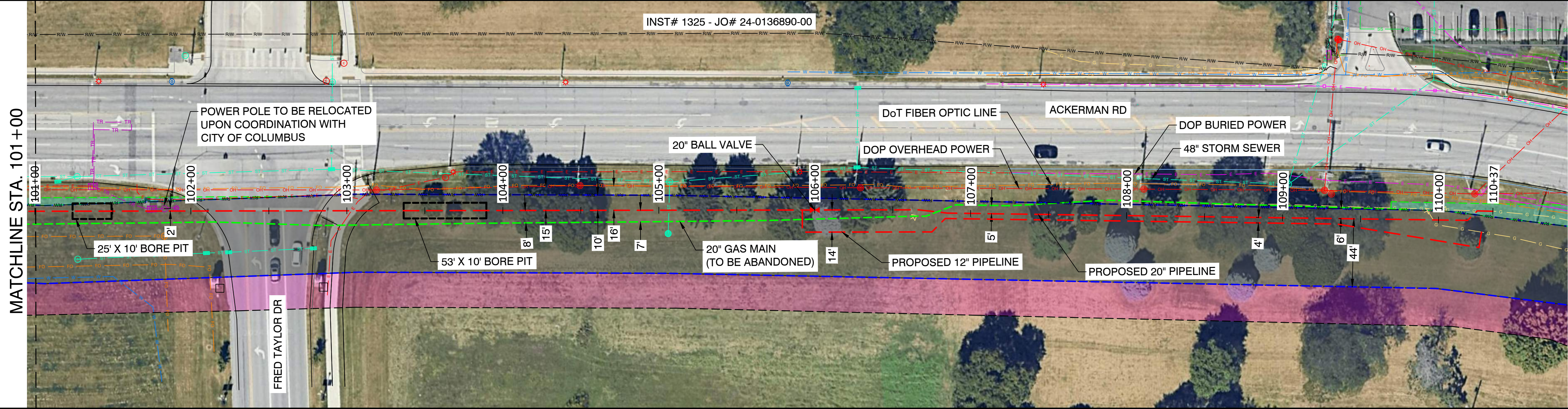
DRAWING TITLE:
 20" PIPELINE ALIGNMENT
 STA. 91+00 TO STA. 101+00

DRAWING NO.:
L-2021

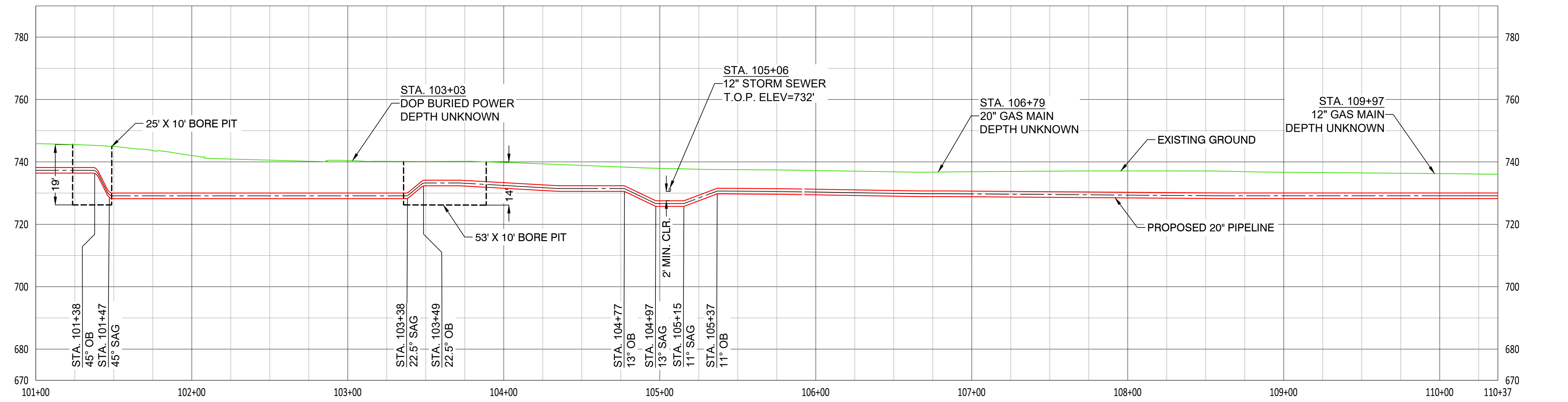
OWNERSHIP	STATE OF OHIO		
JURISDICTION / PARCEL ID	010-062731		
TEST PRESSURE MIN/MAX	1080 PSIG MIN / 1280 PSIG MAX		
DESIGN INFORMATION	CLASS IV / 720 PSIG		
CONSTRUCTION METHOD	STA. 101+00 OPEN CUT	BORE	STA. 110+37 OPEN CUT
MATERIALS	49'	187'	701'

HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'



PROPOSED PROFILE
SCALE HORIZ.: 1" = 40' / SCALE VERT.: 1" = 20'



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PROPOSED

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INTERNAL ENG.	EK	05/31/23	614-981-0661
DESIGNED BY	JEM	05/31/23	855-266-7671
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AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS / FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA. 101+00 TO STA. 110+37

DRAWING NO:
L-2022

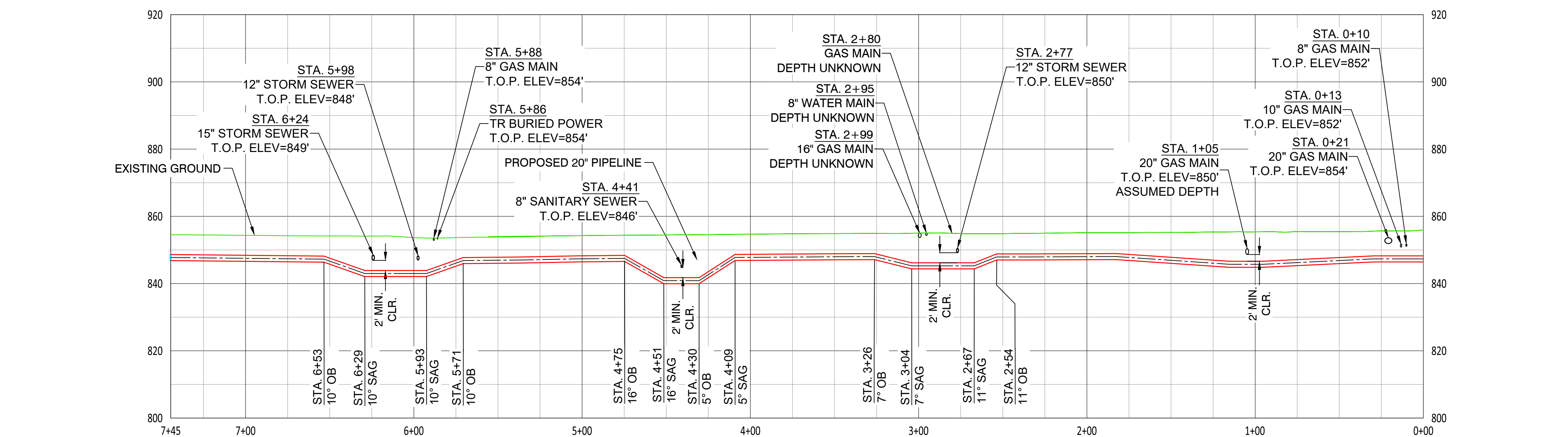
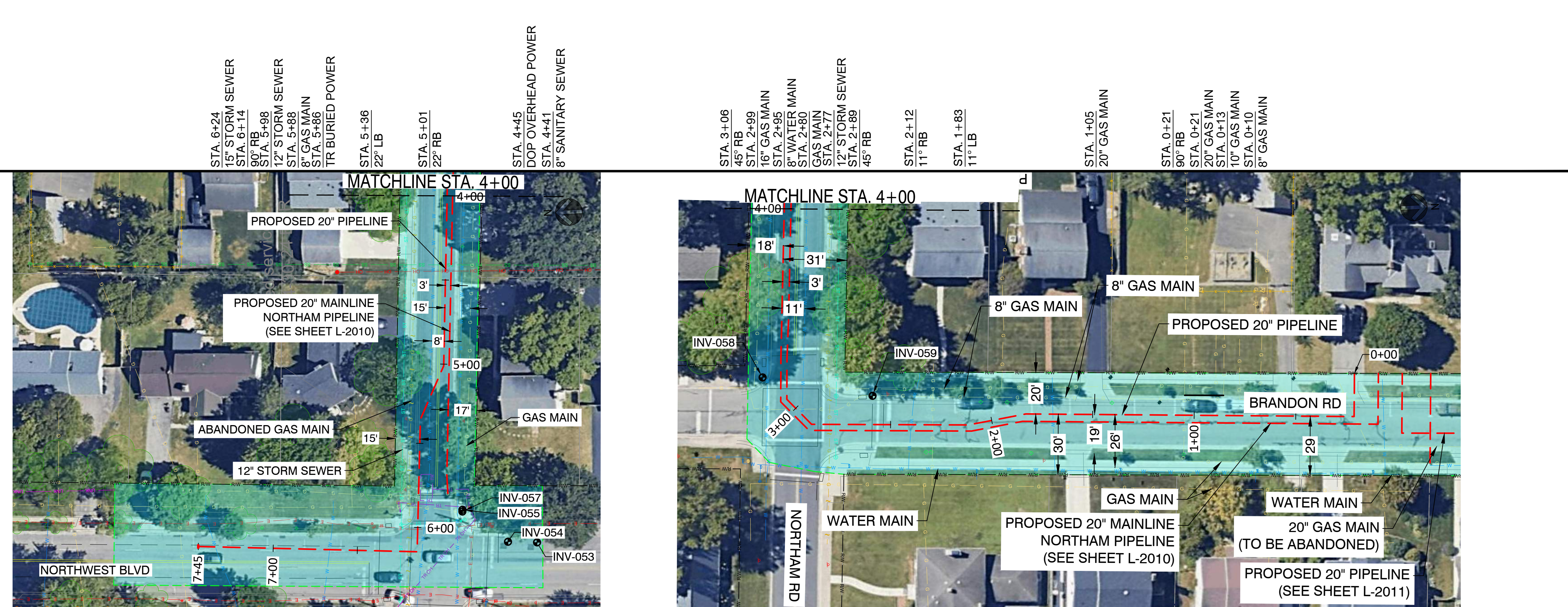
OWNERSHIP		CITY OF UPPER ARLINGTON	
JURISDICTION / PARCEL ID		CITY OF UPPER ARLINGTON / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX		1080 PSIG MIN / 1280 PSIG MAX	
DESIGN INFORMATION		CLASS IV / 720 PSIG	
CONSTRUCTION METHOD	STA. 7+45	OPEN CUT	STA. 0+00
MATERIALS		745'	



HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'

PROPOSED PROFILE
SCALE HORIZ.: 1" = 40' / SCALE VERT.: 1" = 20'



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401 N Front St, Suite 380, Columbus, OH 43215
(303) 623-3345

PROPOSED

REVISIONS			
REV. #	DATE	DESCRIPTION	
0	11/26/24	ISSUED FOR PERMIT	
DESIGNED BY	EK	05/31/23	614-981-0661
DRAWN BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
INST# 23-0136341-00
ABAN# 23-0136342-00
INST# 24-0136890-00
ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE PRE PHASE 4 ALIGNMENT
STA. 0+00 TO STA. 7+45

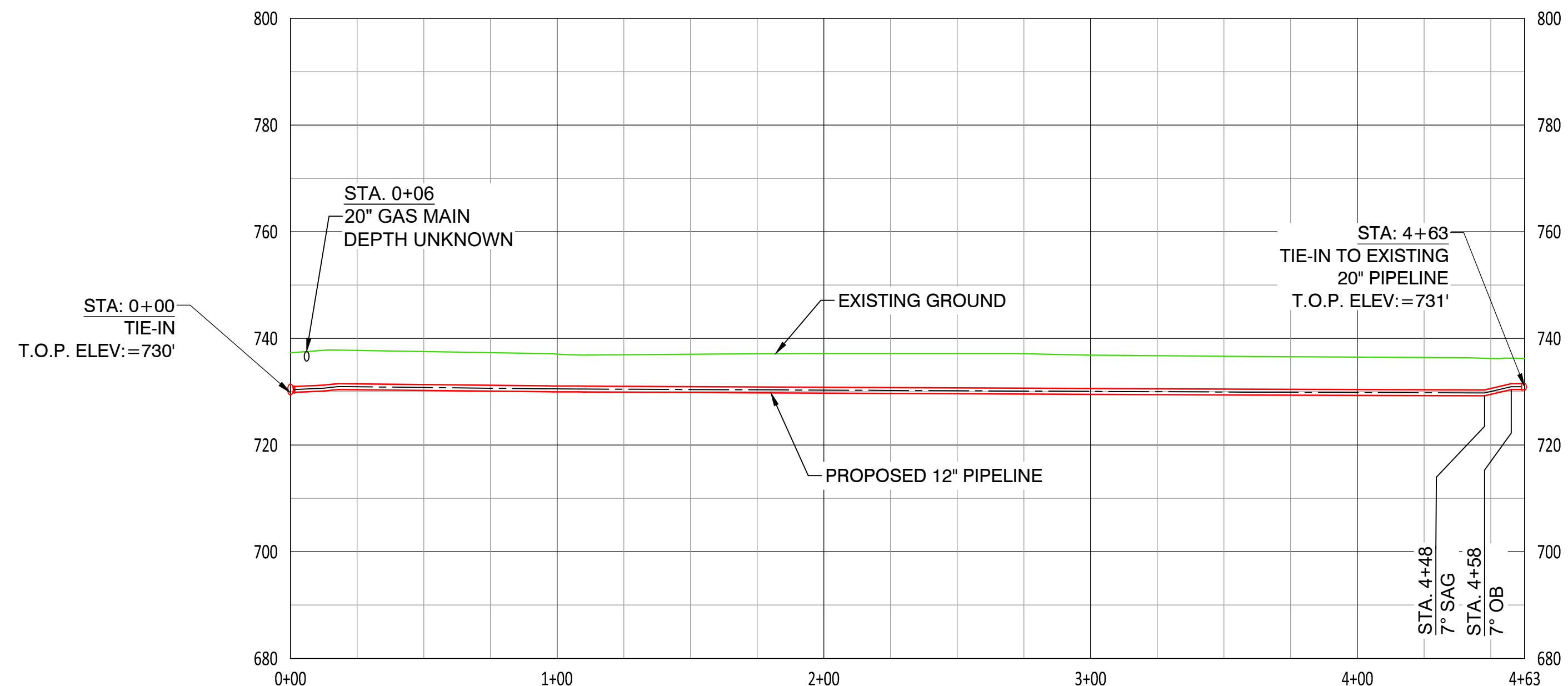
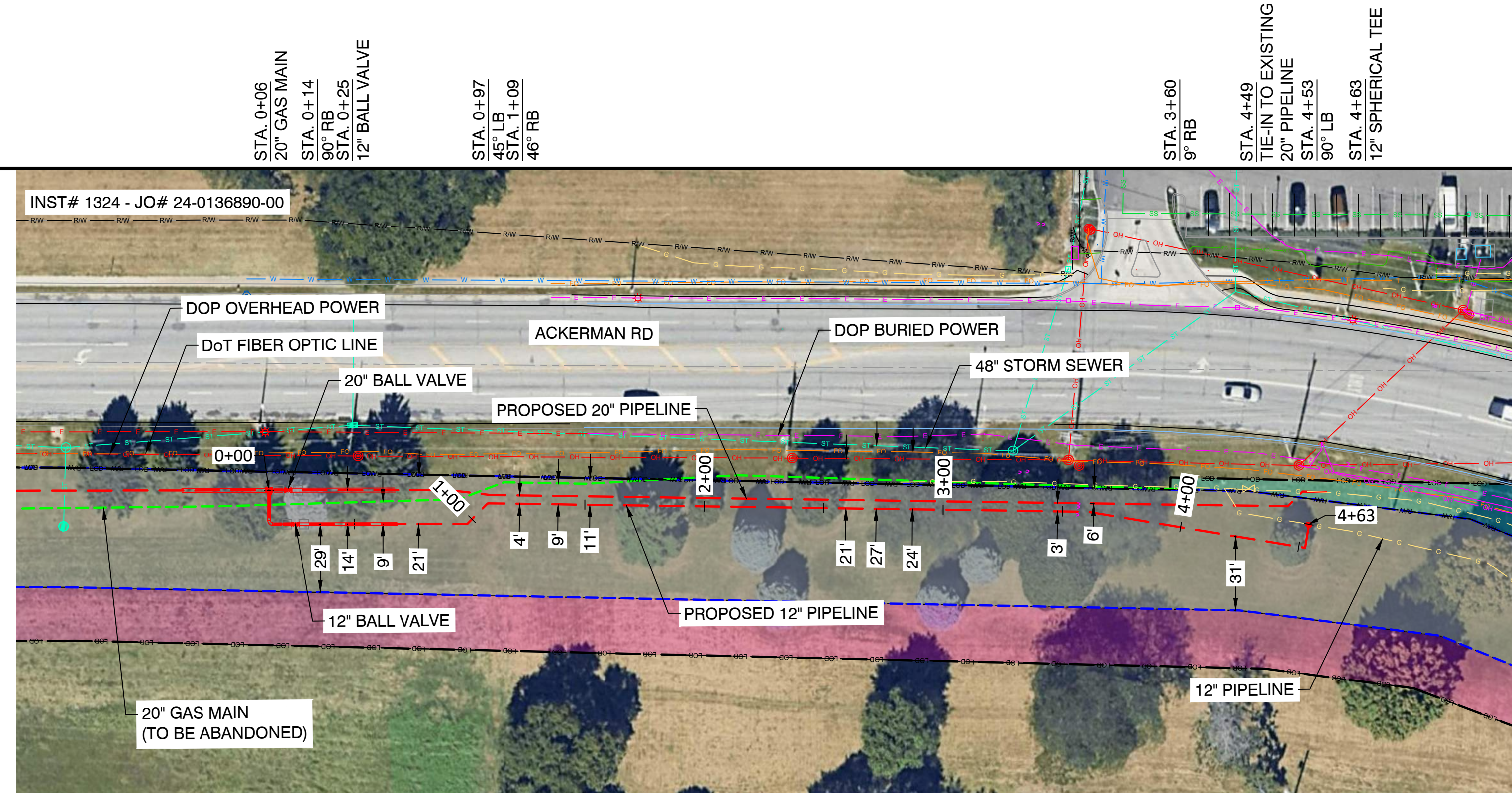
DRAWING NO:
L-2023

OWNERSHIP	STATE OF OHIO
JURISDICTION / PARCEL ID	010-062731
TEST PRESSURE / DESIGN INFO	1080 PSIG MIN / 1280 PSIG MAX / CLASS IV / 720 PSIG
CONSTRUCTION METHOD	OPEN CUT / VARIES
PIPE	③ - 463'
FITTINGS	

HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'

PROPOSED PROFILE
SCALE: HORIZ.: 1" = 40' / SCALE: VERT.: 1" = 20'



NOTES:

- CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
- SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
- THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A COVER OF 6'-0" TO ACCOUNT FOR THE DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
- VERTICAL BENDS CALLED OUT IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE. REFER TO GS 3010.030 FOR FURTHER DETAILS
- CORROSION PROTECTION IS DESIGNED BY NISOURCE AND IS NOT COVERED WITHIN THE ENGINEER'S STAMP
- AERIAL IMAGERY IS FOR REFERENCE ONLY
- FITTING EXTENTS SHOWN IN THE PROFILE ARE FOR REFERENCE ONLY. REFER TO STATIONING BAND FOR LOCATIONS OF ANTICIPATED FITTINGS. A 3X DIAMETER OF STRAIGHT PIPE IS REQUIRED BETWEEN ALL FITTINGS. REFER TO GS 2110.020 FOR FURTHER DETAILS



401 N Front St, Suite 380, Columbus, OH 43215
(380) 799-8503

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
0	11/26/24	ISSUED FOR CONSTRUCTION

INTERNAL ENG.	EK	05/31/23	614-981-0661
DESIGNED BY	JEM	05/31/23	855-266-7671
CHECKED BY	JMJ	05/31/23	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
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 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON / COLUMBUS / FRANKLIN COUNTY, OH

DRAWING TITLE:
12" DEFIANCE AND ACKERMAN LATERAL
STA. 0+00 TO STA. 4+63

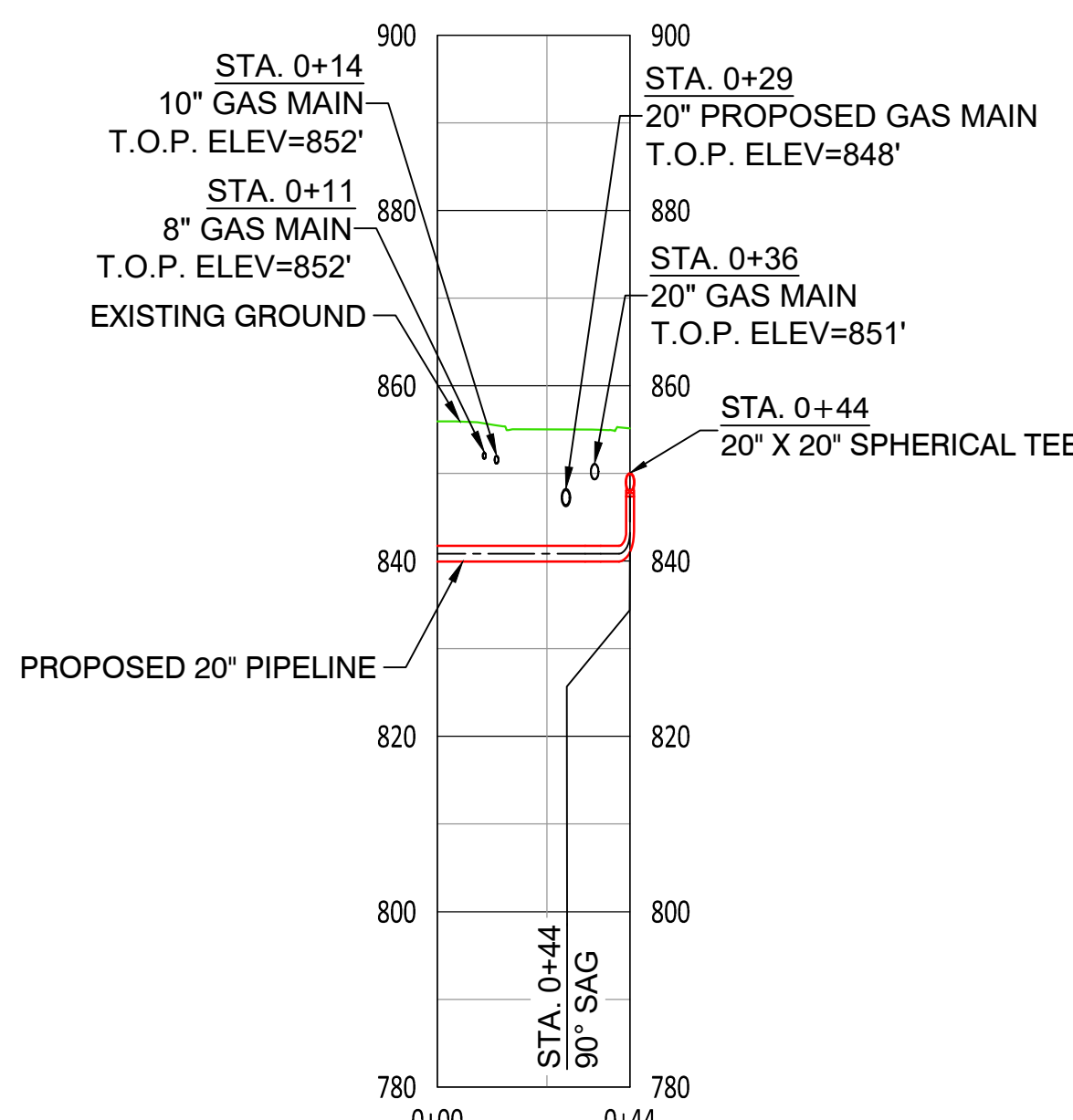
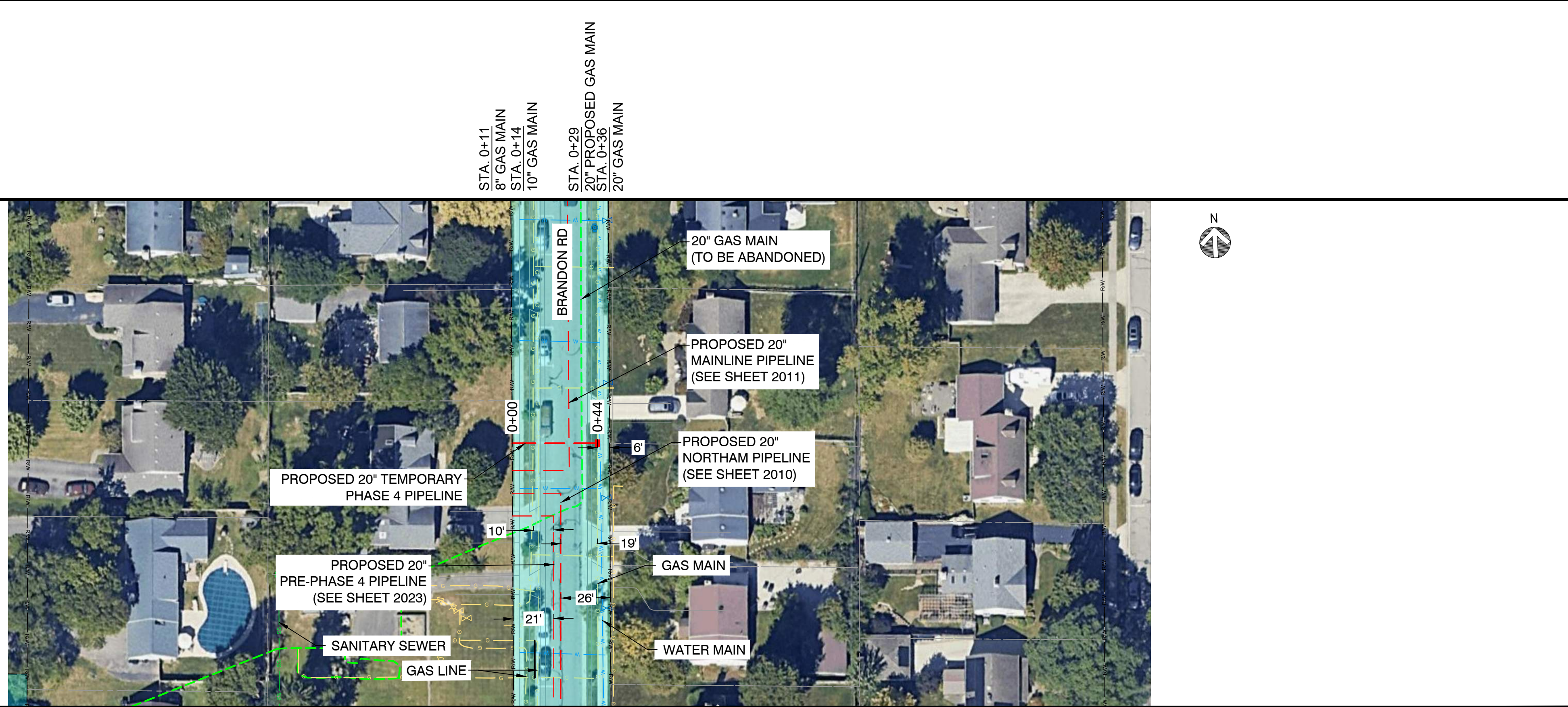
DRAWING NO:
L-2033

OWNERSHIP	CITY OF UPPER ARLINGTON	
JURISDICTION / PARCEL ID	CITY OF UPPER ARLINGTON / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX	720 PSIG MIN / 1080 PSIG MAX / 1280 PSIG	
DESIGN INFORMATION	CLASS IV / 190 PSIG	
CONSTRUCTION METHOD	OPEN CUT	
MATERIALS	44'	

HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'

PROPOSED PROFILE
SCALE: HORIZ. 1" = 40' / VERT. 1" = 20'



- NOTES:
- CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
 - SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
 - THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A COVER OF 6'-0" TO ACCOUNT FOR THE DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
 - VERTICAL BENDS CALLED OUT PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE. REFER TO GS 3010.030 FOR FURTHER DETAILS
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PROPOSED

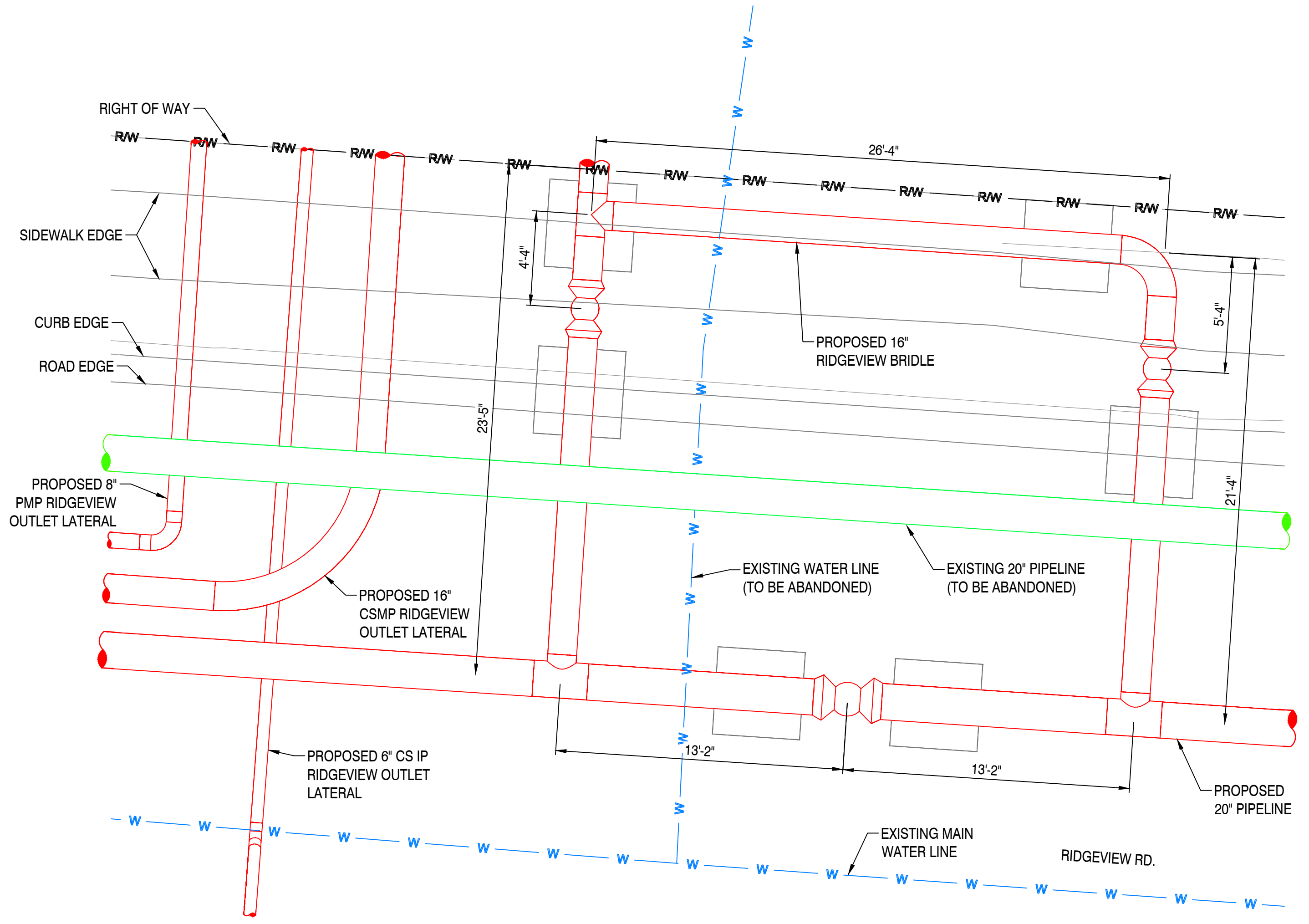
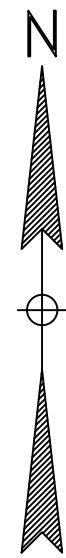
REVISIONS			
REV. #	DATE	DESCRIPTION	
0	11/26/24	ISSUED FOR PERMIT	

DESIGNED BY	EK	05/31/23	614-981-0661
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CHECKED BY	JMJ	05/31/23	855-226-7671
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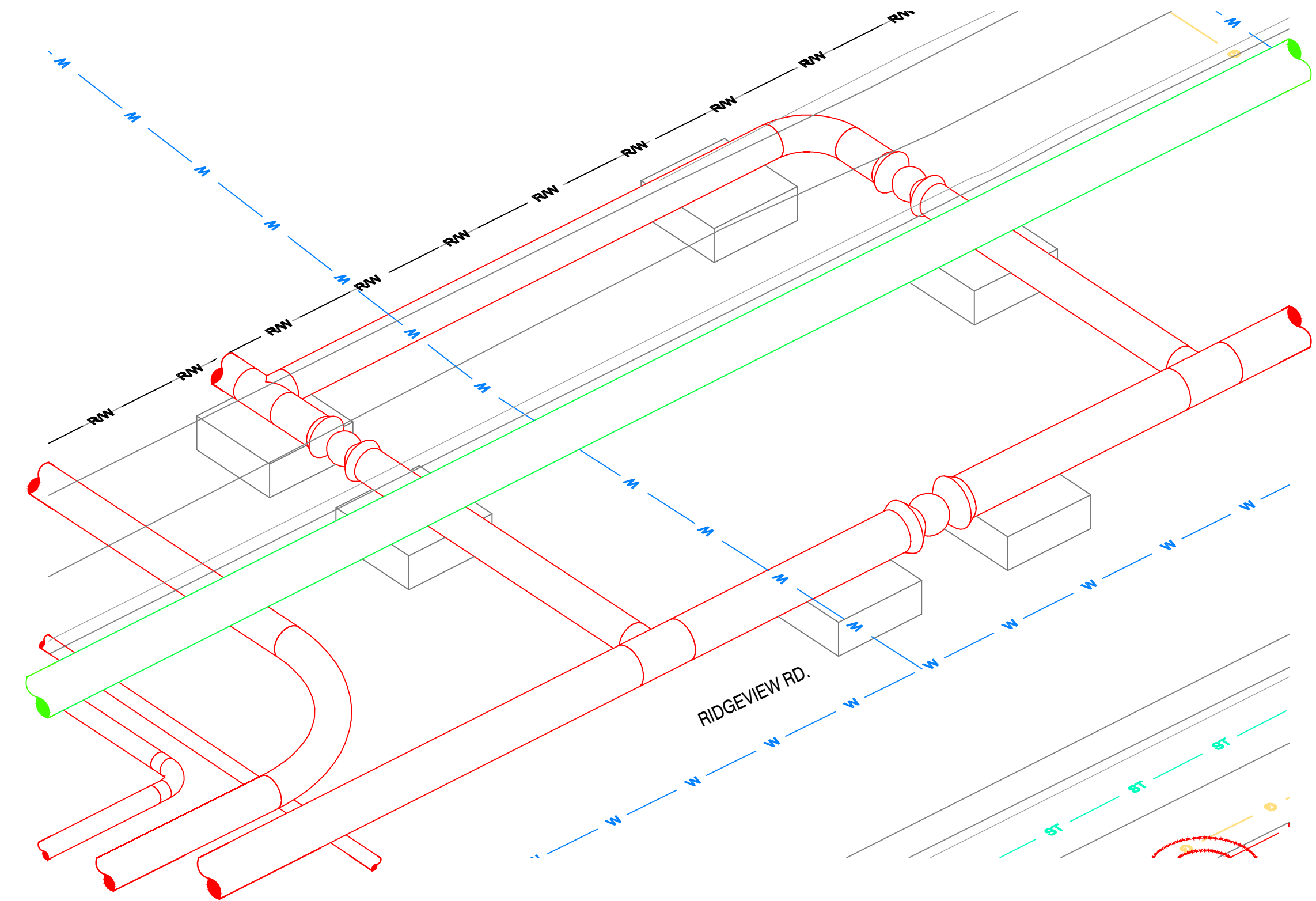
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ABAN# 24-0136891-00
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 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ COLUMBUS/ FRANKLIN COUNTY, OH

DRAWING TITLE:
 20" TEMPORARY PHASE 4
 STA. 0+00 TO STA. 0+44

DRAWING NO:
L-2034



BRIDLE DETAIL
SCALE: 1/4" = 1'-0"



ISOMETRIC VIEW
SCALE: 1/4" = 1'-0"

- LEGEND:**
- EXISTING GAS MAIN
 - EXISTING GAS MAIN TO BE ABANDONED
 - PROPOSED GAS MAIN

NOTE:
1. HISTORICAL PIPE IS TO BE VERIFIED BY NISOURCE.



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PROPOSED

REVISIONS			
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INTERNAL ENG.	EK	10/22/24	614-981-0661
DRAWN BY	ATB	10/22/24	855-266-7671
CHECKED BY	JMJ	10/30/24	855-226-7671
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
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ABAN# 23-0136342-00
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ABAN# 24-0136891-00
PROJECT ID# 21-78791
 NCHP PIPELINE REPLACEMENT, WEST CENTRAL
 UPPER ARLINGTON/ FRANKLIN COUNTY, OH

DRAWING TITLE:
16" RIDGEVIEW BRIDLE LAYOUT

DRAWING NO.:
D-2023