

Appendix D Preliminary Engineering Drawings

APPENDIX D PRELIMINARY ENGINEERING DRAWINGS



**BURNS
MEDONNELL**
530 W SPRING STREET, SUITE 100
COLUMBUS, OHIO 43215
(614) 453-7800

PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	03/03/26	330-523-6383
DRAWN BY	CEB	03/03/26	603-953-5325
CHECKED BY	JPF	03/03/26	314-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
WO# XXXXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
GENERAL NOTES & LEGEND

DRAWING NO:
GN-01

LEGEND

- FIBER OPTIC
- TELEPHONE
- BURIED POWER
- EXISTING GAS LINE
- OVERHEAD ELEC
- TR BURIED POWER
- FENCE
- PROPERTY LINE
- RIGHT-OF-WAY
- PULLBACK STRING
- CENTERLINE
- SEC LINE
- RAILROAD
- ROAD EDGE
- WATERWAY
- SANITARY SEWER
- STORM SEWER
- WATER LINE
- MAJOR CONT
- MINOR CONT
- LIMITS OF DISTURBANCE
- PERMANENT EASEMENT
- EXISTING GAS EASEMENT
- TEMPORARY WORKSPACE WITHIN R.O.W.
- TEMPORARY EASEMENT
- TEMPORARY ACCESS
- COH OWNED PROPERTY
- STORM DRAIN
- SANITARY SEWER MANHOLE
- VALVE
- CATCH BASIN
- OVERHEAD POWER POLE
- POTHOLE LOCATION
- FIRE HYDRANT
- TRAFFIC BOX

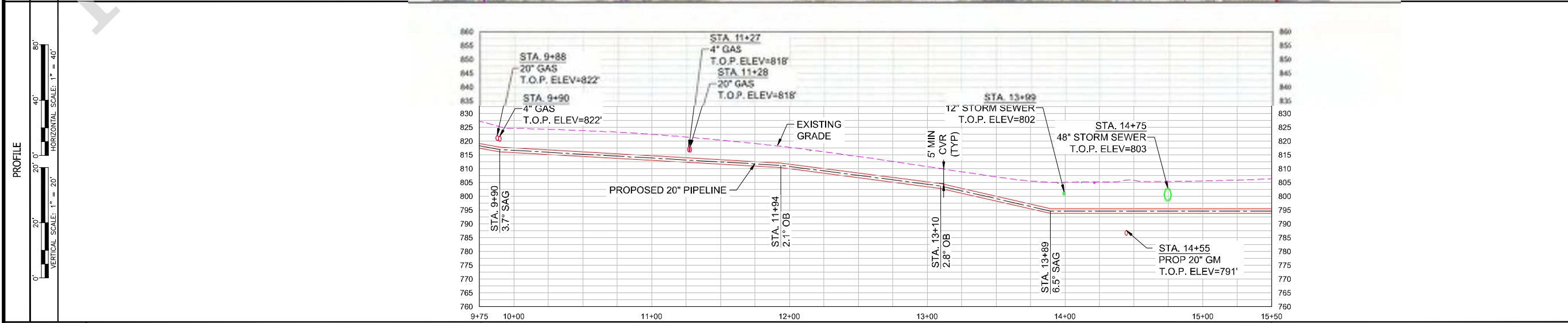
DRAWING LEGEND

- Gas Main Symbology**
- Existing Gas Main
 - Existing Gas Main to Be Abandoned
 - Proposed Gas Main
 - Proposed Gas Main Uprate
- Gas Main Material/Pressure Label References**
- MATERIAL CODES**
- CS* Coated Steel Gas Main
 - WT* Weld Treated Gas Main
 - CI* Cast Iron Gas Main
 - BS* Bare Steel Gas Main
 - WI* Wrought Iron Gas Main
 - PH* High Density Polyethylene Gas Main
 - PM* Medium Density Polyethylene Gas Main
- PRESSURE CODES**
- *LP Low Pressure
 - *IP Intermediate Pressure
 - *MP Medium Pressure
 - *HP High Pressure
- MISCELLANEOUS CODES**
- *-SER Service
 - *-R Riser
 - (TC) Transmission Class
- Gas Main Installation Method Label References**
- AT Attached
 - BH Bridge Hanger
 - BLGH Building Hanger
 - DB Directional Bore
 - IS Inserted
 - OC Open Cut
 - PB Pneumatic Bore
 - PL Plowed
 - RT Roof Top
 - (E) Existing
 - (P) Proposed
- Weld Location
 - Gas Main Tie-in Location
 - Gas Main Abandonment Location

- Gas Facility Symbology**
- Gas Valve
 - Critical Gas Valve (Gate - GV, Plug - PV, PE Ball - BP, ST Ball - BV)
 - High Volume Tapping Tee
 - Pressure Control Fitting - ShortStopp Tee
 - Pressure Control Fitting - Spherical Tee
 - Pressure Control Fitting - Mueller Bottom-out
 - Pressure Control Fitting - Mueller Side-out
 - Pressure Control Fitting - Mueller Flange Tee
 - Pressure Control Fitting - ShortStopp
 - Pressure Control Fitting - Mueller Stopper
 - Polytapp Side Saddle Fitting
 - Transition
 - End Cap
 - Riser
 - Reducer
 - Electronic Marker
 - Flush-mounted Tracer Wire Station
 - Post Pipeline Marker with Tracer Wire
 - Gas Main Marker without Tracer Wire
 - Test Well
 - Regulator Station
 - Single Customer Regulator
 - Meter
 - Meter with Regulator
 - Test Point (Station)
 - Gas Service Tie-over
 - Gas Service Replacement
 - Meter Move Out
- Swing Tie Symbology**
- Telephone Manhole
 - Drain Manhole
 - Electric Manhole
 - Catch Basin
 - Sewer Manhole
 - Fire Hydrant
 - Utility Pole
 - Property Marker
 - Telephone Pedestal
 - Television Pedestal
 - Unknown Manhole
 - Water Box
 - Water Gate
 - Electric Pedestal
 - Iron Pin
 - Light Pole

RIGHT-OF-WAY	OWNERSHIP	STA: 9+76	CITY OF COLUMBUS ROW	STA: 15+50
	ACREAGE		574'	
	EASEMENTS			
	REF. DWG. NO.			

STATIONING	STA. 9+88	STA. 10+13	STA. 10+87	STA. 11+94	STA. 12+61	STA. 13+89	STA. 14+15	STA. 14+56	STA. 14+95
	GAS	75.5° FITTING	3.3° BEND	7.0° BEND	9.4° BEND	12.0° BEND	12" ST	90.0° FITTING	48" ST
	STA. 9+90		STA. 11+27	STA. 12+15		STA. 13+85	OVERHEAD POWER		
	GAS		GAS	OVERHEAD POWER		OVERHEAD POWER			
			STA. 11+28	STA. 11+39		STA. 13+99	CATV		
			GAS	6.3° BEND		STA. 14+12	12" ST		
						UNDERGROUND ELECTRIC			
						STA. 14+21	WATER		
						STA. 14+56			



MATERIAL	
CONST. METHOD	574' OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
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 - MINIMUM TANGENT LENGTH BETWEEN GIRTH WELDS AND FORGED ELBOWS SHALL BE 60 INCHES.
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 - CONTRACTOR TO ENSURE PROPER CARE WHEN CROSSING ALL OTHER UTILITIES SHOWN IN ALIGNMENT VIEW.



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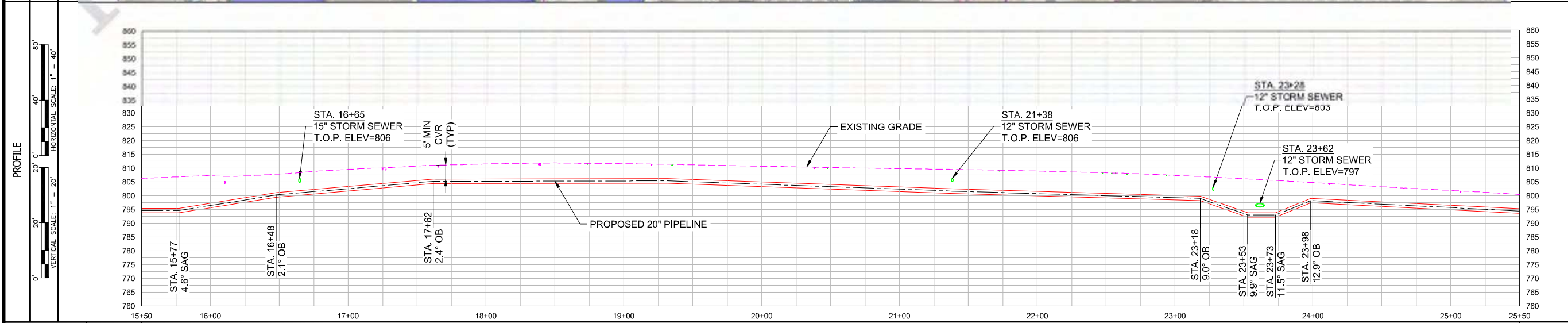
SITE NAME:
 WO# XXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 10+00 TO STA 15+50

DRAWING NO:
L-01

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'	STA: 15+50
	ACREAGE		
	EASEMENTS		
	REF. DWG. NO.		

STATIONING	STA. 15+97 90.0° FITTING	5
	STA. 16+11 WATER	5
	STA. 16+21 WATER	
	STA. 16+65 STORM SEWER	
	STA. 17+25 GAS	
	STA. 17+27 GAS	
	STA. 17+65 WATER	
	STA. 18+38 WATER	
	STA. 18+39 WATER	
	STA. 18+73 OVERHEAD POWER	
	STA. 19+20 WATER	
	STA. 19+35 OVERHEAD POWER	
	STA. 19+97 4.2° BEND	
	STA. 20+38 GAS	
	STA. 20+39 TRAFFIC	
	STA. 20+45 TRAFFIC	
	STA. 20+48 TRAFFIC	
	STA. 20+99 11.6° BEND	
	STA. 21+29 11.2° BEND	
	STA. 21+38 STORM SEWER	
	STA. 21+72 TRAFFIC	
	STA. 22+47 TRAFFIC	
	STA. 22+54 TRAFFIC	
	STA. 22+57 TELEPHONE	
	STA. 22+65 UNDERGROUND ELECTRIC	
	STA. 22+93 TELEPHONE	
	STA. 23+28 STORM SEWER	
	STA. 23+62 STORM SEWER	
	STA. 24+12 GAS	
	STA. 24+08 12.3° BEND	
	STA. 24+40 12.1° BEND	
	STA. 24+81 8.1° BEND	
	STA. 25+07 WATER	
	STA. 25+12 8.3° BEND	



MATERIAL	
CONST. METHOD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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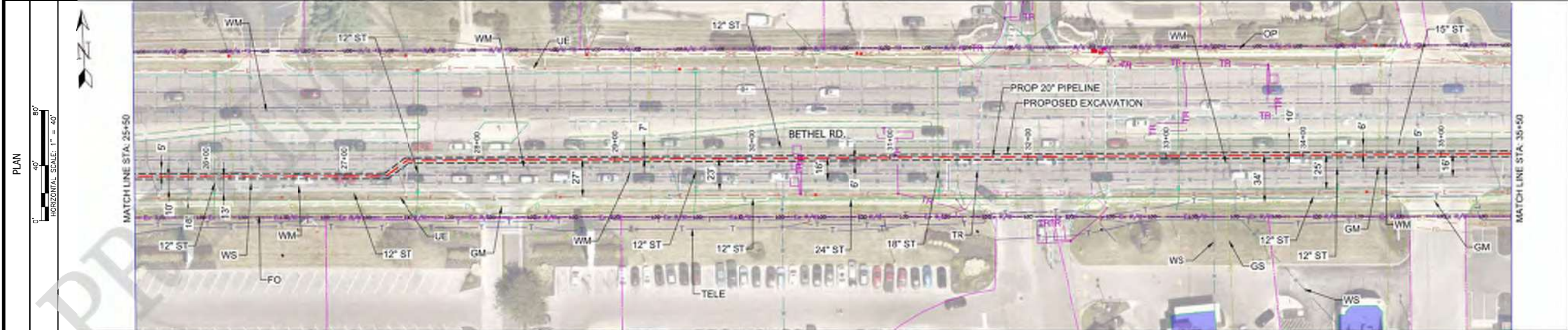
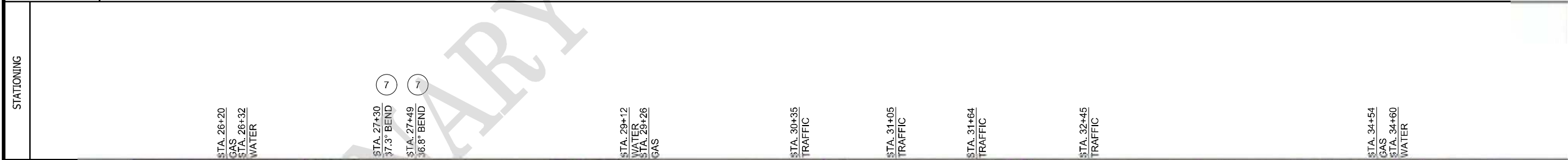
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DRAWN BY	CEB	05/06/26 603-953-5325
CHECKED BY	JPF	05/06/26 614-578-9778
AS-BUILT BY	TBD	TBD
	NAME	DATE
		PHONE #

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WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 15+50 TO STA 25+50**

DRAWING NO:
L-02

RIGHT-OF-WAY	OWNERSHIP	STA: 25+50	CITY OF COLUMBUS ROW 1000'	STA: 35+50
	ACREAGE			
	EASEMENTS			
	REF. DWG. NO.			



MATERIAL	
CONST. METHOD	1000' ② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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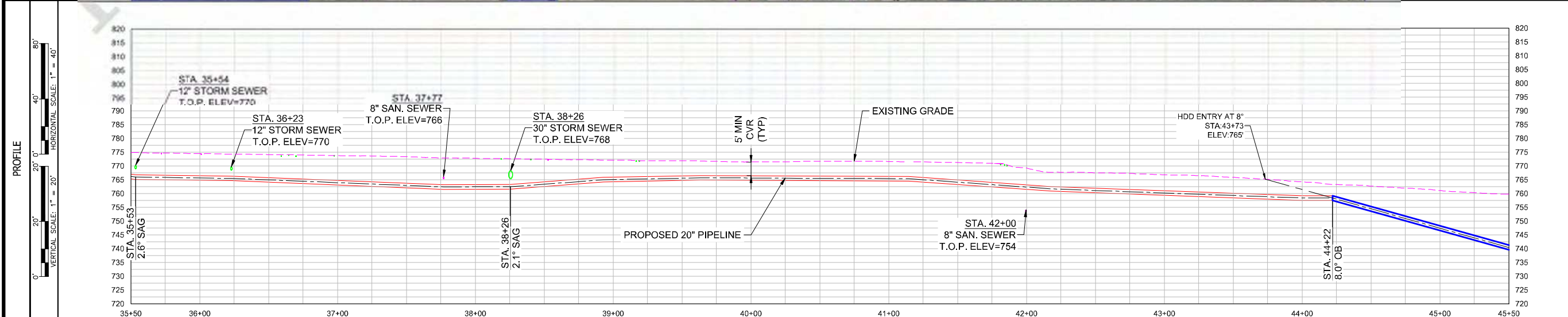
SITE NAME:
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MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 25+50 TO STA 35+50**

DRAWING NO:
L-03

RIGHT-OF-WAY	OWNERSHIP	STA. 35+50	CITY OF COLUMBUS ROW	609'	STA. 41+59	ODOT R/W	391'	STA. 45+50
	ACREAGE							
	EASEMENTS							
REF. DWG. NO.								

STATIONING	STA. 35+54	STORM SEWER	STA. 37+43	90.0° FITTING	STA. 39+63	59.2° FITTING	STA. 41+32	87.5° FITTING	STA. 42+99	23.1° FITTING
	STA. 35+72	WATER	STA. 37+65	90.0° FITTING	STA. 38+19	OVERHEAD POWER	STA. 41+81	UNKNOWN	STA. 42+00	UNDERGROUND ELECTRIC
	STA. 36+01	GAS	STA. 38+26	STORM SEWER	STA. 38+40	TRAFFIC	STA. 41+84	UNKNOWN	STA. 42+00	12" SAN. SEWER
	STA. 36+23	STORM SEWER	STA. 38+40	TRAFFIC	STA. 38+53	GAS	STA. 41+86	UNKNOWN		
	STA. 36+59	OVERHEAD POWER	STA. 39+19	OVERHEAD POWER	STA. 39+17	TRAFFIC	STA. 41+86	UNKNOWN		
	STA. 36+65	TELEPHONE								
	STA. 36+70	OVERHEAD POWER								
	STA. 36+98	TRAFFIC								



MATERIAL	872'
CONST. METHOD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG
	128'
	③ HDD

NOTES:

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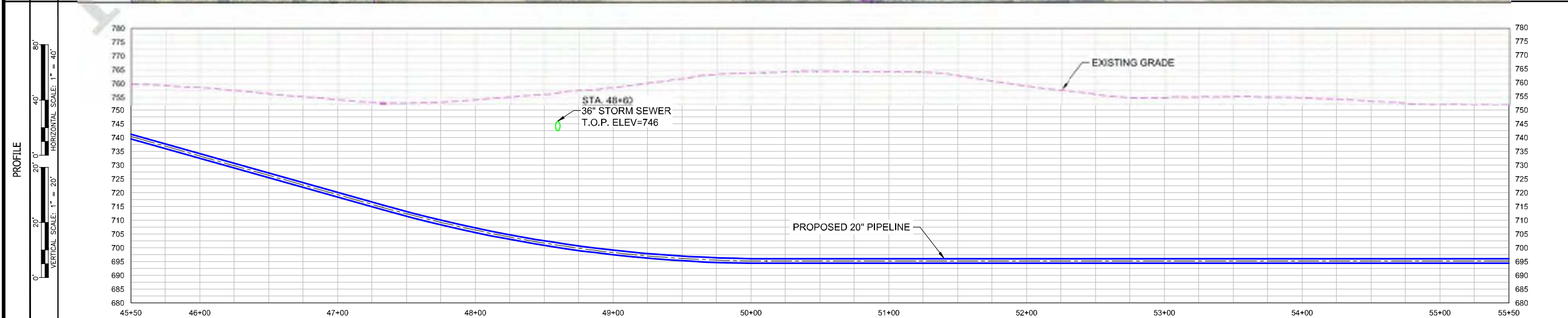
SITE NAME:
WO# XXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 35+50 TO STA 45+50

DRAWING NO:
L-04

RIGHT-OF-WAY	OWNERSHIP	STA. 45+50	ODOT R/W 1000'	STA. 55+50
	ACREAGE			
	EASEMENTS			
REF. DWG. NO.				

STATIONING				



MATERIAL	1000'
CONST. METHOD	③ HDD
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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Call 811
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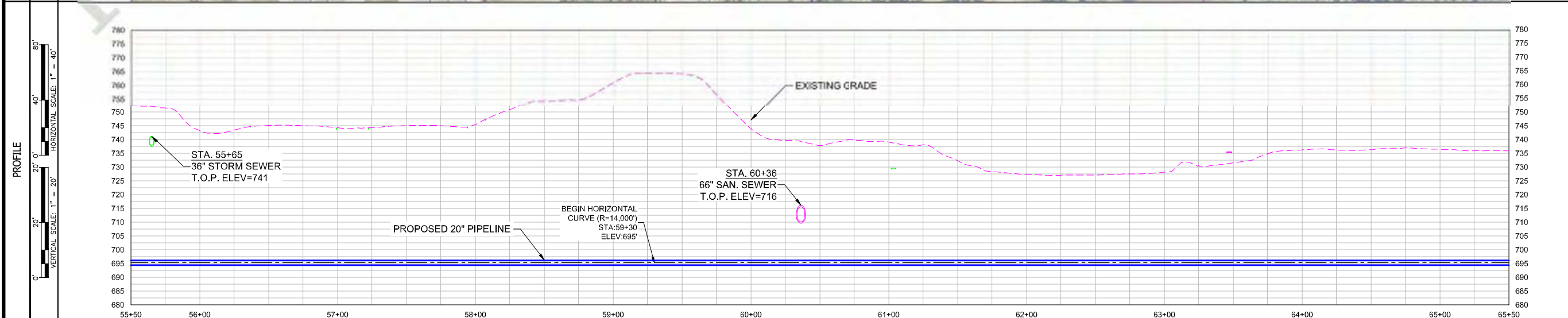
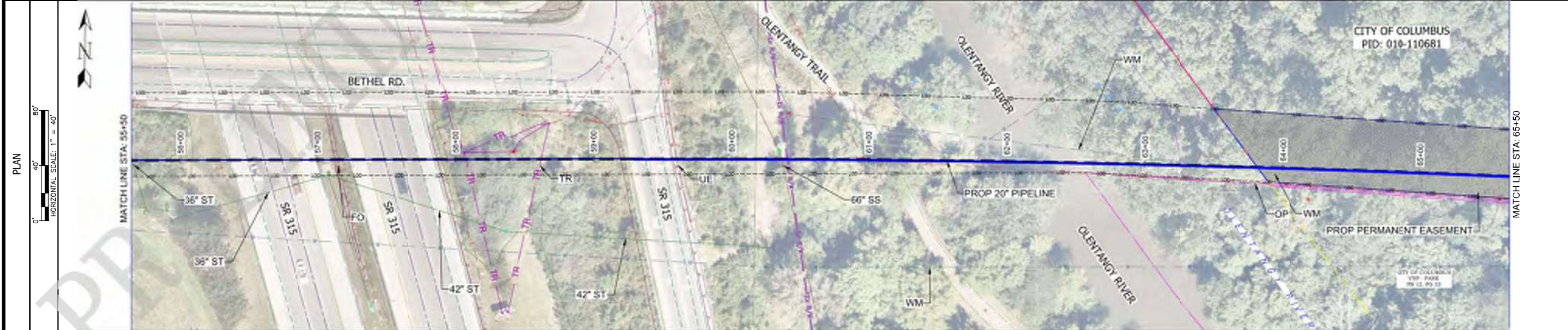
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 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 45+50 TO STA 55+50**

DRAWING NO:
L-05

RIGHT-OF-WAY	OWNERSHIP	STA. 55+50	ODOT R/W 827'	STA. 63+77	CITY OF COLUMBUS 173'	STA. 65+50
	ACREAGE					
	EASEMENTS					
	REF. DWG. NO.					

STATIONING	STA. 56+37 EDGE OF CONCRETE	STA. 56+99 EDGE OF CONCRETE	STA. 57+23 EDGE CONCRETE	STA. 57+84 EDGE OF CONCRETE	STA. 57+94 UNDERGROUND ELECTRIC	STA. 58+07 TRAFFIC	STA. 58+62 TRAFFIC	STA. 59+22 EDGE OF CONCRETE	STA. 59+56 UNKNOWN	STA. 59+60 UNDERGROUND ELECTRIC	STA. 63+47 WATER
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MATERIAL	1000'
CONST. METHOD	③ HDD
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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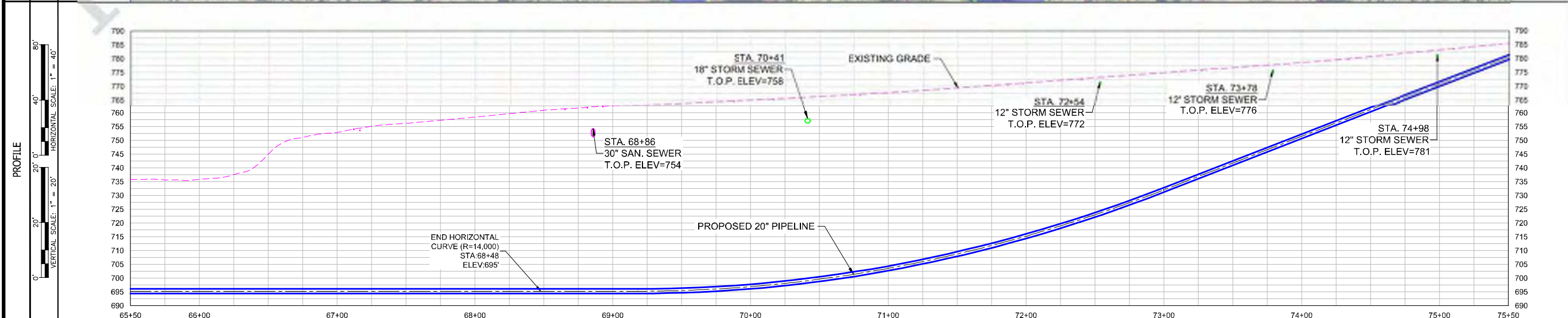
SITE NAME:
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 MAT XXX
 WBS L2 XXXXXXXXXXXX
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 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 55+50 TO STA 65+50**

DRAWING NO:
L-06

RIGHT-OF-WAY	OWNERSHIP	STA. 65+50	CITY OF COLUMBUS ROW 1000'	STA. 75+60
	ACREAGE			
	EASEMENTS			
	REF. DWG. NO.			

STATIONING	STA. 67+12	WATER	STA. 68+65	GAS	STA. 68+82	WATER	STA. 68+93	GAS	STA. 69+87	GAS	STA. 70+17	GAS	STA. 70+79	GAS	STA. 71+87	GAS	STA. 71+98	GAS	STA. 72+40	GAS	STA. 73+27	GAS	STA. 73+91	GAS	STA. 74+34	GAS	STA. 75+10	GAS



MATERIAL	
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CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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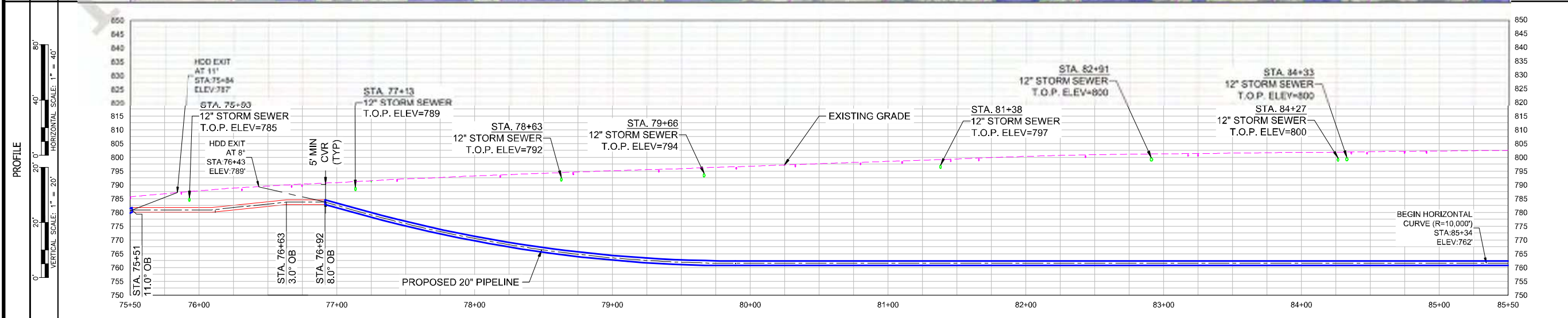
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 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 65+50 TO STA 75+50**

DRAWING NO:
L-07

RIGHT-OF-WAY	OWNERSHIP	STA. 75+60	CITY OF COLUMBUS ROW 1000'	STA. 85+50
	ACREAGE			
	EASEMENTS			
REF. DWG. NO.				

STATIONING	STA. 75+87	STA. 76+31	STA. 76+67	STA. 76+75	STA. 77+25	STA. 77+44	STA. 78+18	STA. 78+71	STA. 79+34	STA. 79+90	STA. 80+33	STA. 80+80	STA. 81+10	STA. 81+46	STA. 81+66	STA. 82+43	STA. 83+18	STA. 83+25	STA. 84+36	STA. 84+48	STA. 84+75	STA. 84+91
	GAS	GAS	GAS	GAS	OVERHEAD POWER	WATER	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS	GAS



MATERIAL	1' → 140'	859'
CONST. METHOD	③ HDD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG	

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MCDONNELL**
530 W SPRING STREET, SUITE 100
COLUMBUS, OHIO 43215
(614) 453-7800

PROPOSED

REVISIONS			
REV. #	DATE	DESCRIPTION	
C	05/06/26	ISSUED FOR REVIEW	
B	03/03/26	REISSUED FOR 60%	
A	10/22/25	ISSUED FOR 60%	

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

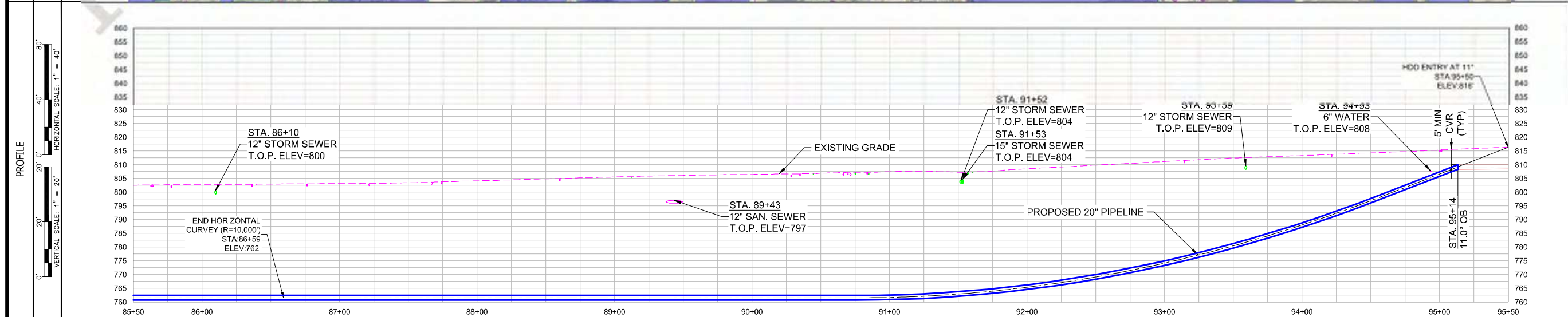
SITE NAME:
WO# XXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 75+50 TO STA 85+50**

DRAWING NO:
L-08

RIGHT-OF-WAY	OWNERSHIP	STA. 85+50	CITY OF COLUMBUS ROW 1000'	STA. 95+50
	ACREAGE			
	EASEMENTS			
REF. DWG. NO.				

STATIONING	STA. 85+63 GAS	STA. 85+64 GAS	STA. 85+78 GAS	STA. 86+36 GAS	STA. 86+76 GAS	STA. 87+15 OVERHEAD POWER STA. 87+22 GAS	STA. 87+67 GAS STA. 87+74 GAS	STA. 88+60 GAS	STA. 89+13 OVERHEAD POWER	STA. 90+29 GAS STA. 90+35 WATER STA. 90+45 OVERHEAD POWER STA. 90+66 GAS STA. 90+70 GAS STA. 90+72 WATER STA. 90+75 TRAFFIC STA. 90+84 WATER STA. 90+85 FIBER OPTIC STA. 91+55 OVERHEAD POWER	STA. 91+57 WATER STA. 91+60 TRAFFIC OVERHEAD POWER	STA. 93+14 GAS	STA. 94+22 GAS	STA. 94+93 WATER STA. 95+00 GAS STA. 95+01 GAS
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MATERIAL	964'	36'
CONST. METHOD	③ HDD	③ OPN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG	

- NOTES:
- CONTRACTOR DISCRETION SHALL BE GIVEN FOR MODIFYING FIELD BEND ANGLES AS SHOWN PROVIDED THAT MINIMUM SEPARATION AND COVER REQUIREMENTS ARE MET.
 - CONTRACTOR SHALL MAINTAIN MINIMUM 1 FT VERTICAL SEPARATION FROM OTHER UTILITIES UNLESS OTHERWISE SHOWN IN PROFILE VIEW.
 - MINIMUM TANGENT LENGTH BETWEEN GIRTH WELDS AND FORGED ELBOWS SHALL BE 60 INCHES.
 - FIELD BENDS LESS THAN 2 DEGREES ARE NOT CALLED OUT IN PLAN OR PROFILE VIEW.
 - CONTRACTOR TO ENSURE PROPER CARE WHEN CROSSING ALL OTHER UTILITIES SHOWN IN ALIGNMENT VIEW.



**BURNS
MCDONNELL**
530 W SPRING STREET, SUITE 100
COLUMBUS, OHIO 43215
(614) 453-7800

PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
NAME	DATE	PHONE #	

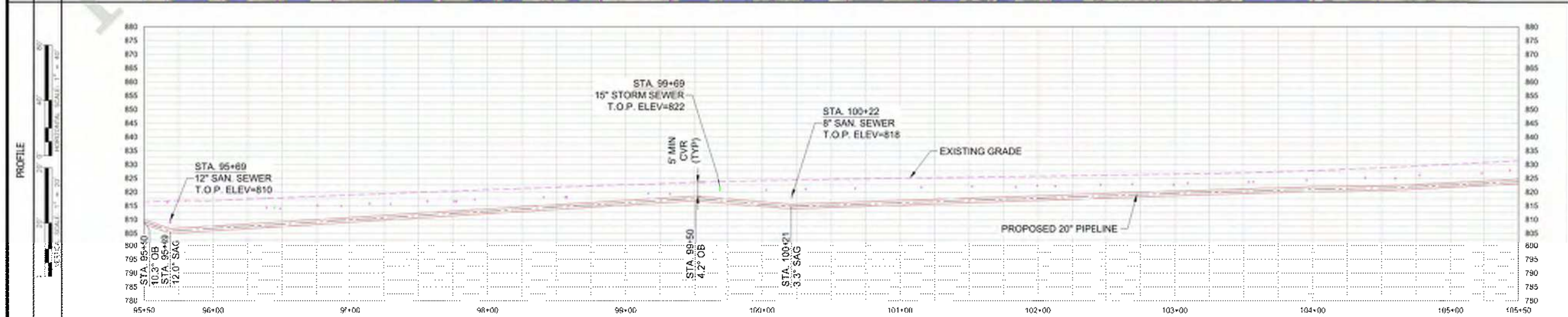
SITE NAME:
WO# XXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 85+50 TO STA 95+50**

DRAWING NO:
L-09

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'	STA. 105+50
	ACREAGE		
	EASEMENTS		
REF. DWG. NO.			

STATIONING	STA. 95+60	STA. 95+69	STA. 96+00	STA. 96+09	STA. 96+18	STA. 96+27	STA. 96+36	STA. 96+45	STA. 96+54	STA. 96+63	STA. 96+72	STA. 96+81	STA. 96+90	STA. 96+99	STA. 97+08	STA. 97+17	STA. 97+26	STA. 97+35	STA. 97+44	STA. 97+53	STA. 97+62	STA. 97+71	STA. 97+80	STA. 97+89	STA. 97+98	STA. 98+07	STA. 98+16	STA. 98+25	STA. 98+34	STA. 98+43	STA. 98+52	STA. 98+61	STA. 98+70	STA. 98+79	STA. 98+88	STA. 98+97	STA. 99+06	STA. 99+15	STA. 99+24	STA. 99+33	STA. 99+42	STA. 99+51	STA. 99+60	STA. 99+69	STA. 99+78	STA. 99+87	STA. 99+96	STA. 100+05	STA. 100+14	STA. 100+23	STA. 100+32	STA. 100+41	STA. 100+50	STA. 100+59	STA. 100+68	STA. 100+77	STA. 100+86	STA. 100+95	STA. 101+04	STA. 101+13	STA. 101+22	STA. 101+31	STA. 101+40	STA. 101+49	STA. 101+58	STA. 101+67	STA. 101+76	STA. 101+85	STA. 101+94	STA. 102+03	STA. 102+12	STA. 102+21	STA. 102+30	STA. 102+39	STA. 102+48	STA. 102+57	STA. 102+66	STA. 102+75	STA. 102+84	STA. 102+93	STA. 103+02	STA. 103+11	STA. 103+20	STA. 103+29	STA. 103+38	STA. 103+47	STA. 103+56	STA. 103+65	STA. 103+74	STA. 103+83	STA. 103+92	STA. 104+01	STA. 104+10	STA. 104+19	STA. 104+28	STA. 104+37	STA. 104+46	STA. 104+55	STA. 104+64	STA. 104+73	STA. 104+82	STA. 104+91	STA. 105+00	STA. 105+09	STA. 105+18	STA. 105+27	STA. 105+36	STA. 105+45	STA. 105+54
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MATERIAL	
CONST. METHOD	OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
- CONTRACTOR DISCRETION SHALL BE GIVEN FOR MODIFYING FIELD BEND ANGLES AS SHOWN PROVIDED THAT MINIMUM SEPARATION AND COVER REQUIREMENTS ARE MET.
 - CONTRACTOR SHALL MAINTAIN MINIMUM 1 FT VERTICAL SEPARATION FROM OTHER UTILITIES UNLESS OTHERWISE SHOWN IN PROFILE VIEW.
 - MINIMUM TANGENT LENGTH BETWEEN GIRTH WELDS AND FORGED ELBOWS SHALL BE 60 INCHES.
 - FIELD BENDS LESS THAN 2 DEGREES ARE NOT CALLED OUT IN PLAN OR PROFILE VIEW.
 - CONTRACTOR TO ENSURE PROPER CARE WHEN CROSSING ALL OTHER UTILITIES SHOWN IN ALIGNMENT VIEW.



REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26 330-523-6383
DRAWN BY	CEB	05/06/26 603-953-5325
CHECKED BY	JFY	05/06/26 314-578-9778
AS-BUILT BY	TBD	TBD
	NAME	DATE

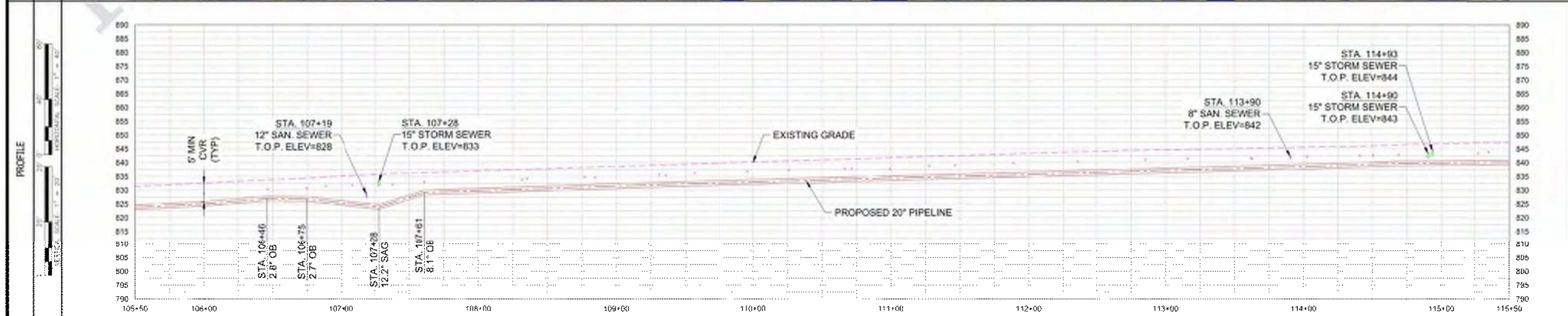
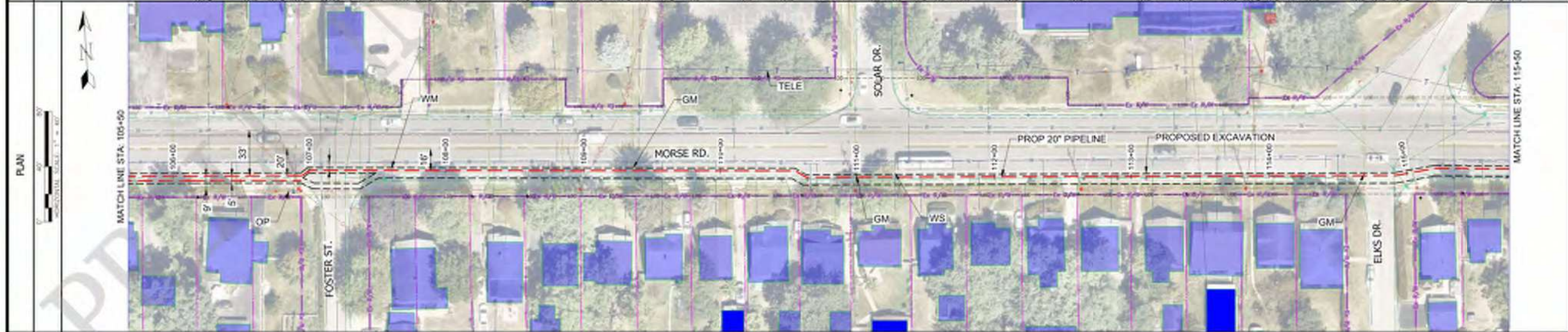
SITE NAME:
 WO# XXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 MCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
 20" PIPELINE ALIGNMENT
 STA 95+50 TO STA 105+50

DRAWING NO:
 L-10

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'	STA: 105+50
	ACREAGE		
	EASEMENTS		
	REF. DWG. NO.		

STATIONING	STA. 116+00 GAS	STA. 116+46 WATER	STA. 116+75 GAS	STA. 116+88 WATER	STA. 116+93 30.0' FITTING	STA. 116+99 30.0' FITTING	STA. 117+09 WATER	STA. 117+19 SAN SEWER	STA. 117+38 GAS	STA. 117+61 WATER	STA. 118+32 GAS	STA. 118+35 WATER	STA. 118+77 WATER	STA. 118+84 GAS	STA. 119+04 OVER-HEAD POWER	STA. 119+31 WATER	STA. 119+36 GAS	STA. 119+57 WATER	STA. 119+96 WATER	STA. 120+26 WATER	STA. 120+53 30.0' FITTING	STA. 120+63 30.0' FITTING	STA. 120+97 WATER	STA. 120+71 WATER	STA. 120+99 GAS	STA. 121+28 WATER	STA. 121+47 WATER	STA. 121+89 WATER	STA. 122+35 WATER	STA. 122+85 WATER	STA. 123+16 WATER	STA. 123+62 WATER	STA. 123+63 GAS	STA. 123+84 OVER-HEAD POWER	STA. 123+90 SAN SEWER	STA. 124+02 WATER	STA. 124+41 WATER	STA. 124+50 WATER	STA. 124+69 GAS	STA. 124+91 10.3' BEND	STA. 125+20 10.3' BEND	STA. 125+27 GAS	STA. 125+35 WATER
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MATERIAL	1000'
CONST. METHOD	(2) OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
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MEDONNELL**
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PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26 330-523-6383	
DRAWN BY	CEB	05/06/26 603-953-5325	
CHECKED BY	JFY	05/06/26 314-578-9778	
AS-BUILT BY	TBD	TBD	
	NAME	DATE	PHONE #

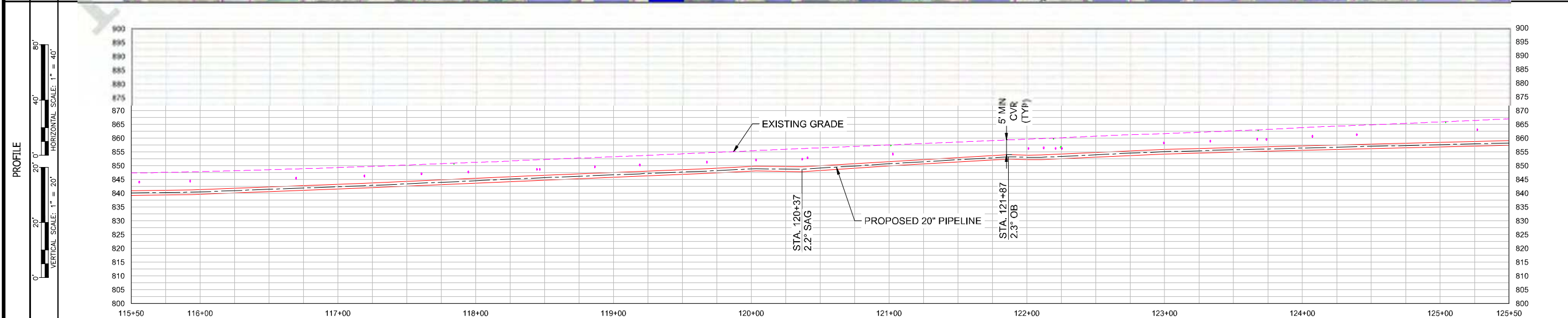
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 MCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 105+50 TO STA 115+50

DRAWING NO:
L-11

RIGHT-OF-WAY	OWNERSHIP	STA: 115+50	CITY OF COLUMBUS ROW 1000'	STA: 125+50
	ACREAGE			
	EASEMENTS			
	REF. DWG. NO.			

STATIONING	STA. 114+91 10.3° BEND WATER STA. 115+93 WATER STA. 116+70 WATER STA. 117+19 WATER STA. 117+61 WATER STA. 117+84 OVERHEAD POWER STA. 117+95 WATER STA. 118+44 WATER STA. 118+47 WATER STA. 118+86 WATER STA. 119+19 WATER STA. 119+68 WATER STA. 120+03 WATER STA. 120+37 GAS STA. 120+41 WATER STA. 121+01 OVERHEAD POWER STA. 121+03 WATER STA. 121+90 7.7° BEND STA. 122+01 WATER STA. 122+12 WATER STA. 122+19 OVERHEAD POWER STA. 122+21 GAS STA. 122+25 TRAFFIC STA. 122+78 18.1° BEND STA. 122+99 WATER STA. 123+33 WATER STA. 123+67 WATER STA. 123+68 OVERHEAD POWER STA. 123+74 GAS STA. 124+07 WATER STA. 124+39 WATER STA. 125+04 OVERHEAD POWER STA. 125+27 WATER
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MATERIAL	1000'
CONST. METHOD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
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530 W SPRING STREET, SUITE 100
COLUMBUS, OHIO 43215
(614) 453-7800

PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

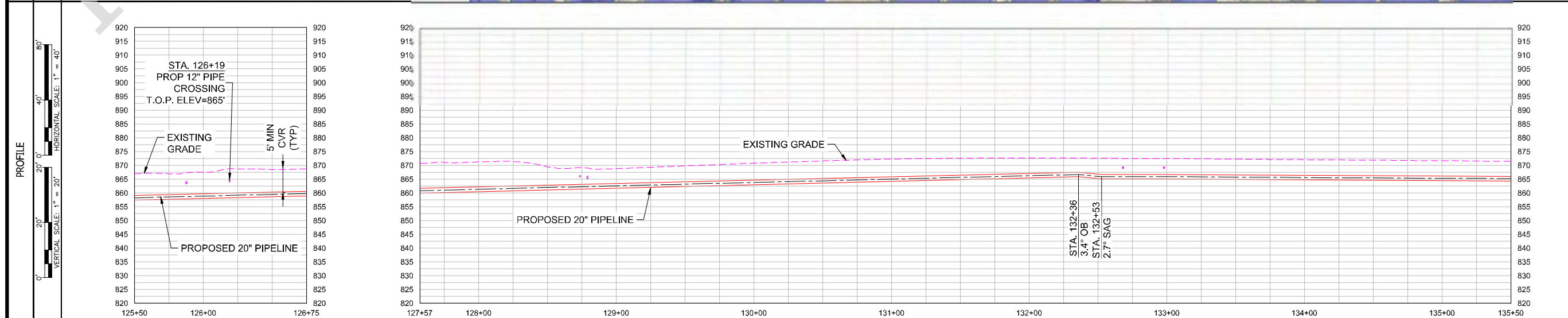
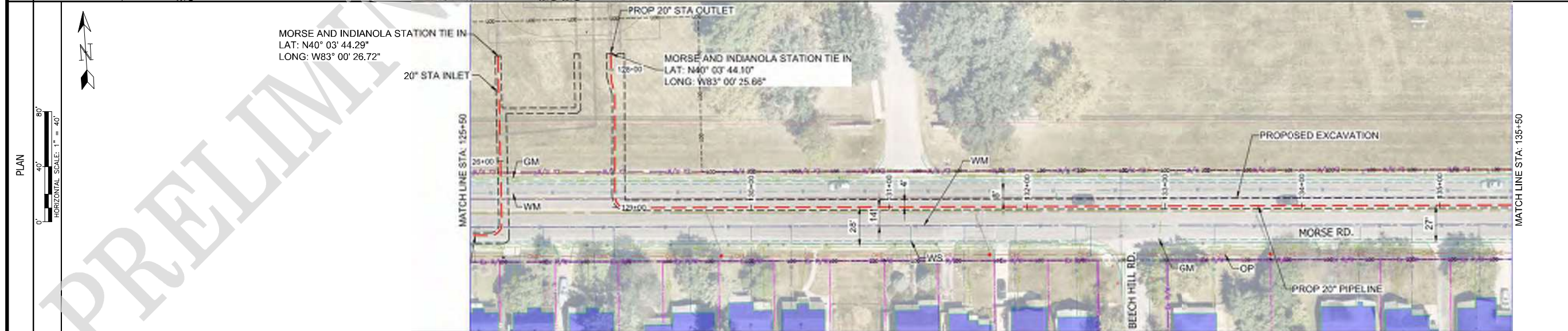
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 115+50 TO STA 125+50

DRAWING NO:
L-12

RIGHT-OF-WAY	OWNERSHIP	STA: 125+50	STA: 126+75	STA: 127+57	CITY OF COLUMBUS ROW 1000'	STA: 135+50
	ACREAGE					
	EASEMENTS					
REF. DWG. NO.						

STATIONING	⑤	⑦	⑦	⑤		
	STA. 125+46 90.0" FITTING	STA. 125+88 GAS	STA. 128+08 14.3" FITTING	STA. 128+18 15.7" FITTING	STA. 128+74 GAS	STA. 128+79 GAS
				STA. 129+00 90.0" FITTING		
					STA. 132+68 WATER	STA. 132+98 GAS



MATERIAL	125'	793'
CONST. METHOD	② OPEN CUT	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
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PROPOSED

REVISIONS		
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C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

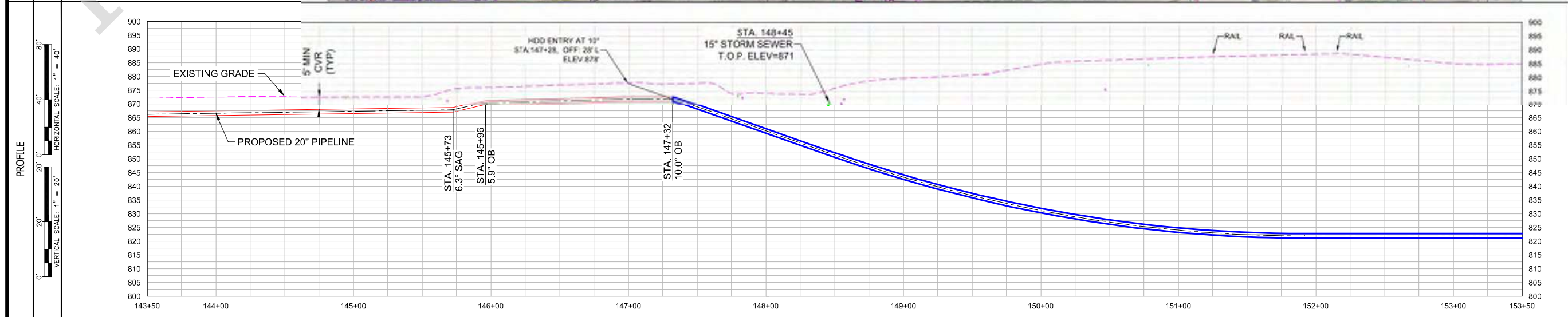
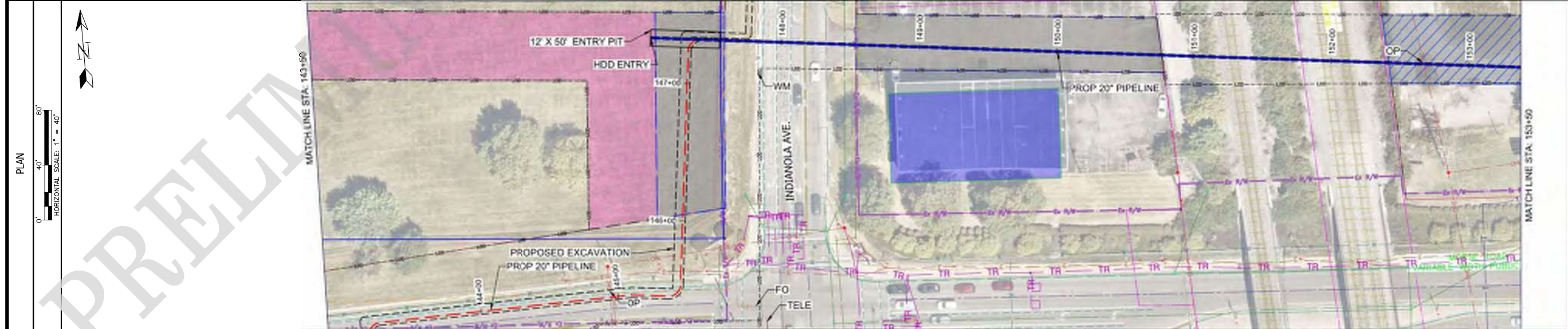
SITE NAME:
WO# XXXXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
PHASE 6 NCHP PIPELINE REPLACEMENT
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
STA 135+50 TO STA 135+50**

DRAWING NO:
L-13

RIGHT-OF-WAY	OWNERSHIP	STA. 143+50	CITY OF COLUMBUS ROW 252'	STA. 146+02	STATE OF OHIO 171'	STA. 147+73	CITY OF COLUMBUS ROW 99'	STA. 148+72	CITY ONE 222'	STA. 150+94	CSX 163'	STA. 152+57	ATVAYA 93'	STA. 153+50
	ACREAGE													
	EASEMENTS													
	REF. DWG. NO.													

STATIONING	STA. 144+94 OVERHEAD POWER STA. 144+97 OVERHEAD POWER STA. 145+10 8.2° BEND STA. 145+45 90.0° FITTING STA. 145+63 UNDERGROUND ELECTRIC STA. 145+68 WATER STA. 145+76 OVERHEAD POWER STA. 147+32 90.0° FITTING STA. 147+83 WATER STA. 148+45 STORM SEWER STA. 148+54 SAN. SEWER STA. 148+96 GAS STA. 150+47 WATER STA. 150+77 OVERHEAD POWER STA. 152+67 OVERHEAD POWER
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MATERIAL		428'	572'
CONST. METHOD		② OPEN CUT	③ HDD
CLASS/MAOP			DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
- CONTRACTOR DISCRETION SHALL BE GIVEN FOR MODIFYING FIELD BEND ANGLES AS SHOWN PROVIDED THAT MINIMUM SEPARATION AND COVER REQUIREMENTS ARE MET.
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REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

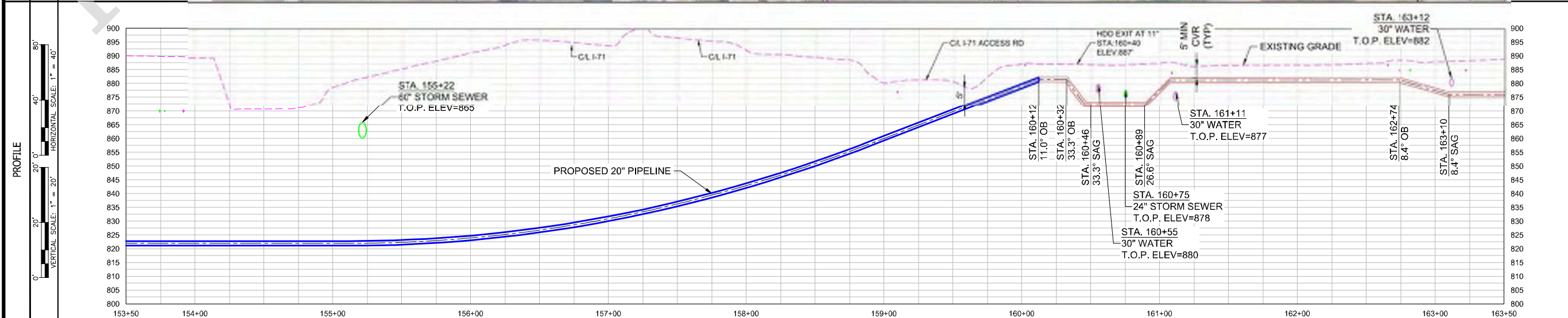
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 143+50 TO STA 153+50**

DRAWING NO:
L-15

RIGHT-OF-WAY	OWNERSHIP	STA. 153+50 153+73	ATVAYA 23'	ODOT R/W 666'	STA. 160+16	900-71 116'	STA. 161+32	CITY OF COLUMBUS ROW 218'	STA. 163+50
	ACREAGE								
	EASEMENTS								
REF. DWG. NO.									

STATIONING	STA. 153+74	STA. 155+22	STA. 159+10	STA. 159+51	STA. 160+55	STA. 160+75	STA. 160+80	STA. 161+08	STA. 161+20	STA. 162+61	STA. 162+65	STA. 162+82	STA. 162+74	STA. 162+93	STA. 163+12	STA. 163+22	STA. 163+35	STA. 163+50
	UNDERGROUND ELECTRIC	STORM SEWER	WATER	UNDERGROUND ELECTRIC	WATER	STORM SEWER	7.7° FITTING	WATER	OVERHEAD POWER	90.0° FITTING	90.0° FITTING	GAS	UNDERGROUND ELECTRIC	WATER	90.0° FITTING	WATER	WATER	11.1° FITTING



MATERIAL	658'	342'
CONST. METHOD	③ HDD	② OPEN CUT
CLASS/MAOP		DESIGN CLASS 4/DESIGN MAOP 720 PSIG

NOTES:

- CONTRACTOR DISCRETION SHALL BE GIVEN FOR MODIFYING FIELD BEND ANGLES AS SHOWN PROVIDED THAT MINIMUM SEPARATION AND COVER REQUIREMENTS ARE MET.
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MCDONNELL**
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COLUMBUS, OHIO 43215
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PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

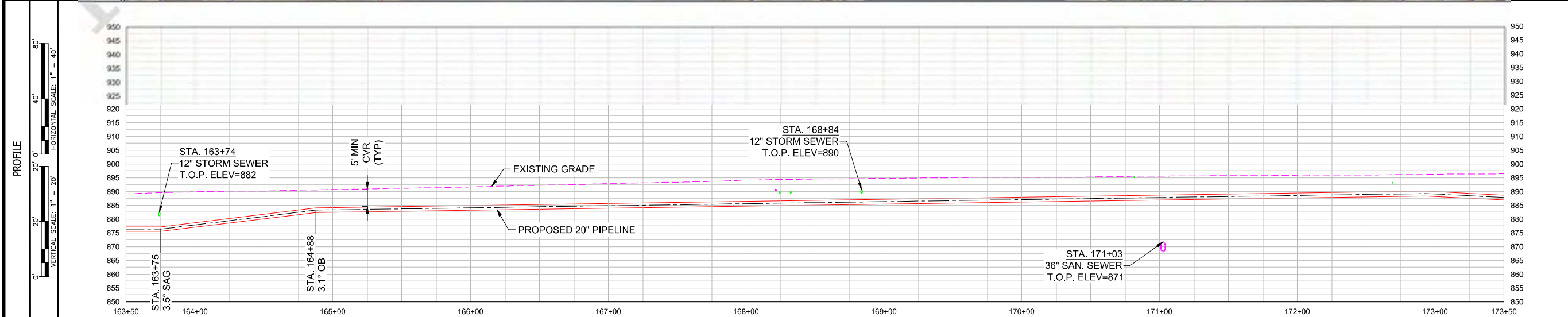
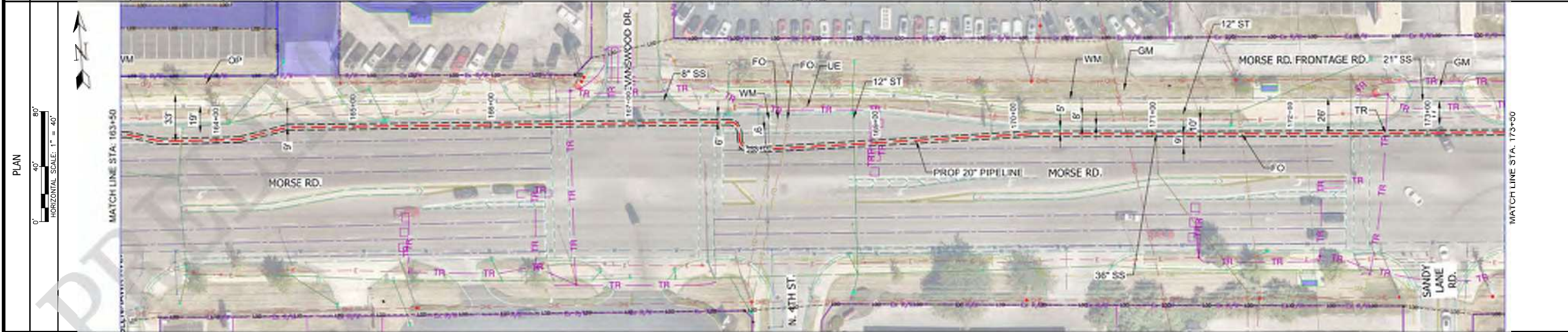
SITE NAME:
WO# XXXXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 153+50 TO STA 163+50

DRAWING NO:
L-16

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'
	ACREAGE	
	EASEMENTS	
REF. DWG. NO.		

STATIONING	STA. 163+60 12.7° FITTING	STA. 163+74 STORM SEWER	STA. 164+17 12.7° FITTING	STA. 164+52 13.6° FITTING	STA. 167+80 89.0° FITTING	STA. 168+01 90.0° FITTING	STA. 168+22 WATER	STA. 168+24 FIBER OPTIC	STA. 168+32 FIBER OPTIC	STA. 170+12 3.3° BEND	STA. 170+82 OVERHEAD POWER	STA. 171+03 SAN. SEWER	STA. 172+69 TRAFFIC



MATERIAL	1000'
CONST. METHOD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
- CONTRACTOR DISCRETION SHALL BE GIVEN FOR MODIFYING FIELD BEND ANGLES AS SHOWN PROVIDED THAT MINIMUM SEPARATION AND COVER REQUIREMENTS ARE MET.
 - CONTRACTOR SHALL MAINTAIN MINIMUM 1 FT VERTICAL SEPARATION FROM OTHER UTILITIES UNLESS OTHERWISE SHOWN IN PROFILE VIEW.
 - MINIMUM TANGENT LENGTH BETWEEN GIRTH WELDS AND FORGED ELBOWS SHALL BE 60 INCHES.
 - FIELD BENDS LESS THAN 2 DEGREES ARE NOT CALLED OUT IN PLAN OR PROFILE VIEW.
 - CONTRACTOR TO ENSURE PROPER CARE WHEN CROSSING ALL OTHER UTILITIES SHOWN IN ALIGNMENT VIEW.



**BURNS
MCDONNELL**
530 W SPRING STREET, SUITE 100
COLUMBUS, OHIO 43215
(614) 453-7800

PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

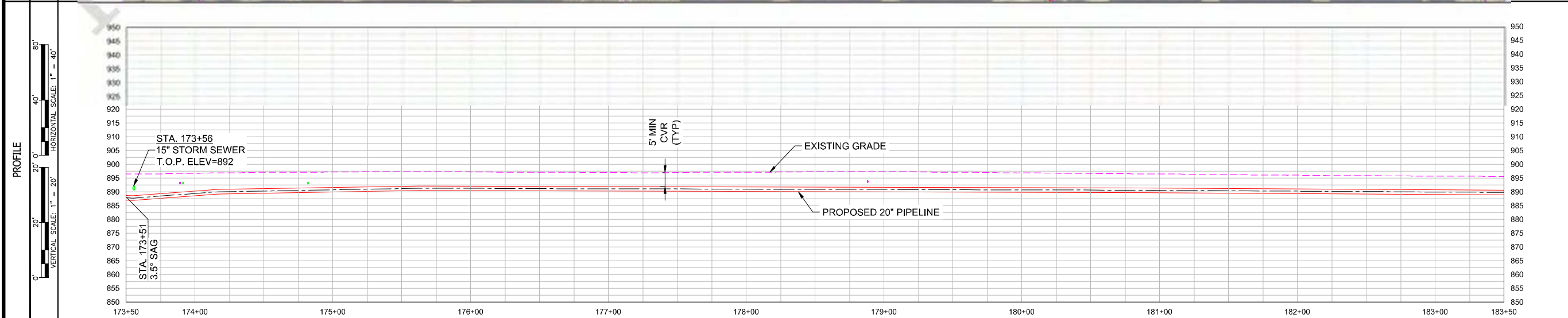
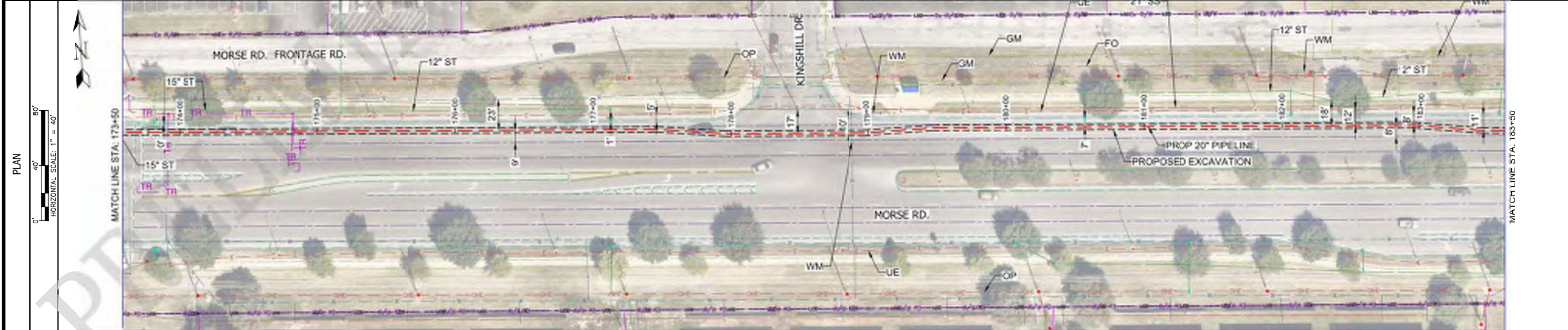
SITE NAME:
 WO# XXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 163+50 TO STA 173+50

DRAWING NO:
L-17

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'
	ACREAGE	
	EASEMENTS	
	REF. DWG. NO.	

STATIONING	STA. 173+50	STA. 183+50
	STA. 173+56 STORM SEWER STA. 173+89 WATER STA. 173+91 TRAFFIC STA. 174+82 TRAFFIC STA. 177+46 3.9° BEND STA. 177+96 3.9° BEND STA. 178+88 WATER STA. 178+96 3.9° BEND STA. 179+46 3.9° BEND STA. 182+96 4.7° BEND	



MATERIAL	1000'
CONST. METHOD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
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REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/26/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

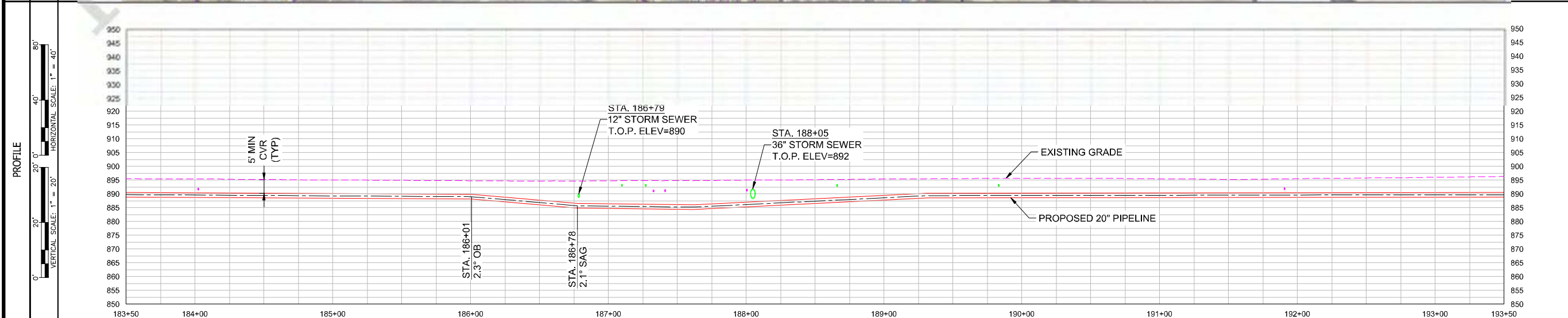
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 173+50 TO STA 183+50

DRAWING NO:
L-18

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'
	ACREAGE	
	EASEMENTS	
	REF. DWG. NO.	

STATIONING	STA. 183+46 4.7° BEND	STA. 184+02 WATER	STA. 184+46 4.9° BEND	STA. 184+97 4.4° BEND	STA. 186+79 STORM SEWER	STA. 187+10 TRAFFIC	STA. 187+27 TRAFFIC	STA. 187+33 GAS	STA. 187+41 GAS	STA. 188+01 WATER	STA. 188+29 4.7° BEND	STA. 188+66 TRAFFIC	STA. 188+96 3.6° BEND	STA. 189+83 TRAFFIC	STA. 191+91 WATER
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MATERIAL	
CONST. METHOD	1000' ② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
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C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26 830-523-6383
DRAWN BY	CEB	05/06/26 603-953-5325
CHECKED BY	JPF	05/06/26 814-578-9778
AS-BUILT BY	TBD	TBD
	NAME	DATE
		PHONE #

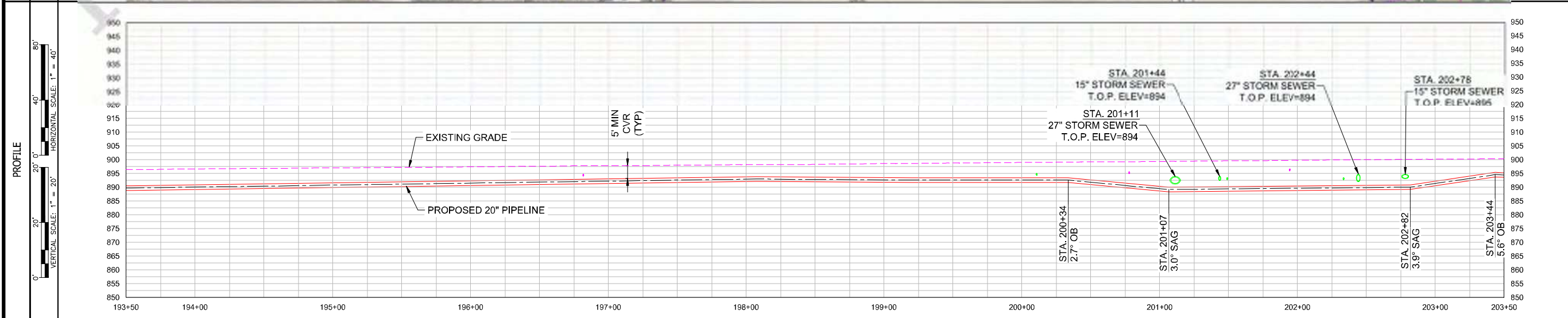
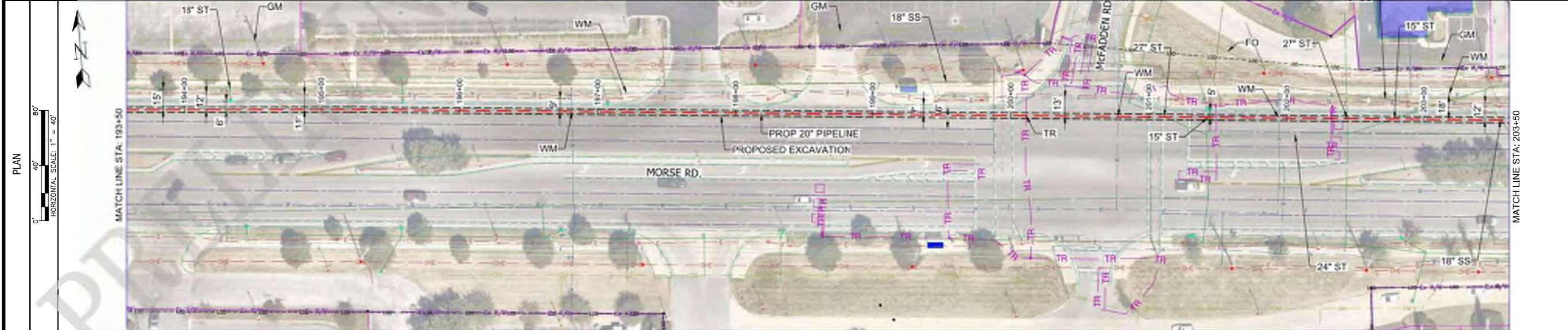
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 183+50 TO STA 193+50

DRAWING NO:
L-19

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'	STA. 193+50	STA. 203+50
	ACREAGE			
	EASEMENTS			
	REF. DWG. NO.			

STATIONING



MATERIAL	1000'
CONST. METHOD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

NOTES:

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REVISIONS		
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C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26 830-523-6383
DRAWN BY	CEB	05/06/26 603-953-5325
CHECKED BY	JPF	05/06/26 314-578-9778
AS-BUILT BY	TBD	TBD
	NAME	DATE
		PHONE #

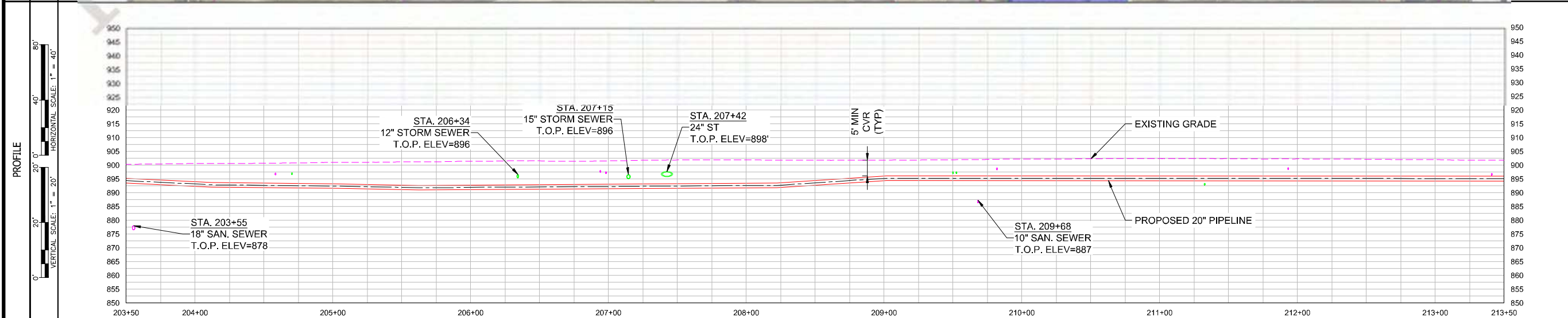
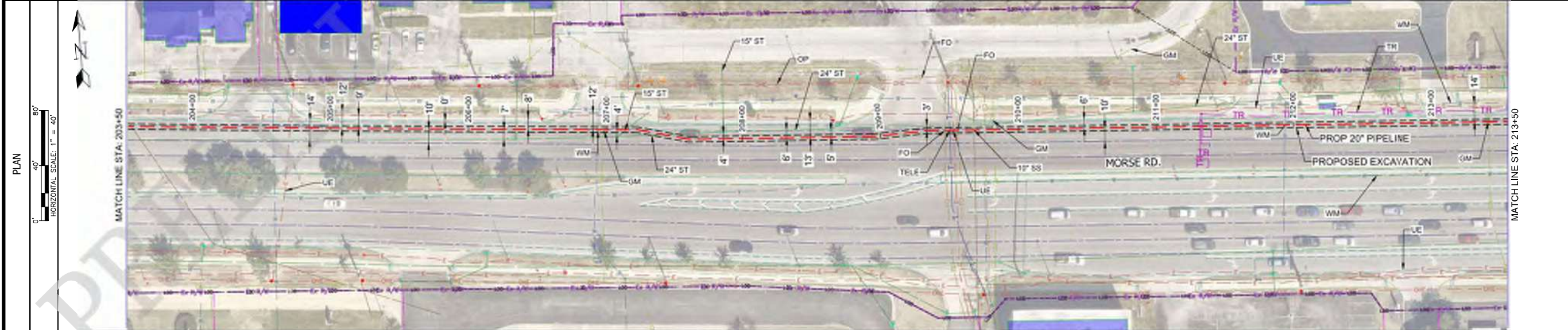
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 193+50 TO STA 203+50

DRAWING NO:
L-20

RIGHT-OF-WAY	OWNERSHIP	STA 203+50	CITY OF COLUMBUS ROW 1000'	STA 213+50
	ACREAGE			
	EASEMENTS			
	REF. DWG. NO.			

STATIONING	STA. 203+55 SAN. SEWER	STA. 204+58 WATER STA. 204+70 UNDERGROUND ELECTRIC	STA. 206+34 STORM SEWER	STA. 206+94 WATER STA. 206+98 GAS	STA. 207+23 10.4° FITTING	STA. 207+61 11.6° FITTING	STA. 209+96 5.5° BEND	STA. 209+50 TELEPHONE STA. 209+53 UNDERGROUND ELECTRIC	STA. 209+68 SAN. SEWER STA. 209+82 GAS	STA. 211+33 TRAFFIC	STA. 211+93 WATER	STA. 213+41 GAS
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MATERIAL	
CONST. METHOD	1000' ② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
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A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
NAME	DATE	PHONE #	

SITE NAME:
WO# XXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 203+50 TO STA 213+50**

DRAWING NO:
L-21

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'
	ACREAGE	
	EASEMENTS	
STATIONING	STA 223+50	STA 233+50
REF. DWG. NO.		



MATERIAL	
CONST. METHOD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

NOTES:

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REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

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DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
NAME	DATE	PHONE #	

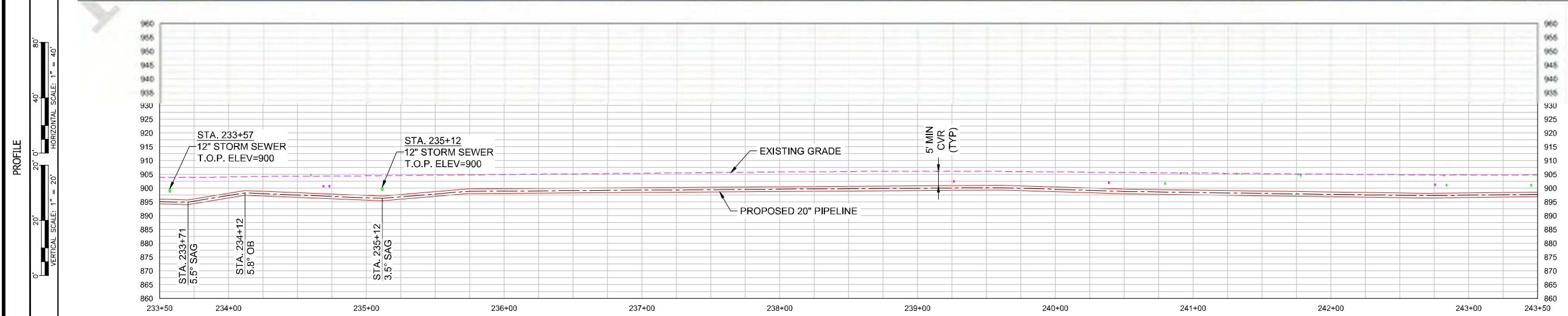
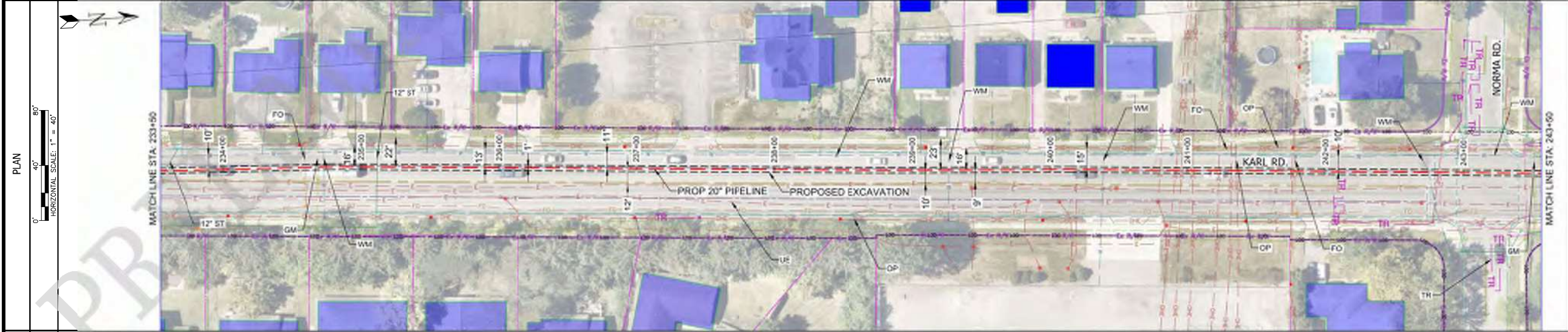
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 223+50 TO STA 233+50**

DRAWING NO:
L-23

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'
	ACREAGE	
	EASEMENTS	
	REF. DWG. NO.	

STATIONING	STA. 233+50	STA. 243+50
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MATERIAL	
CONST. METHOD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

NOTES:

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C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
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DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

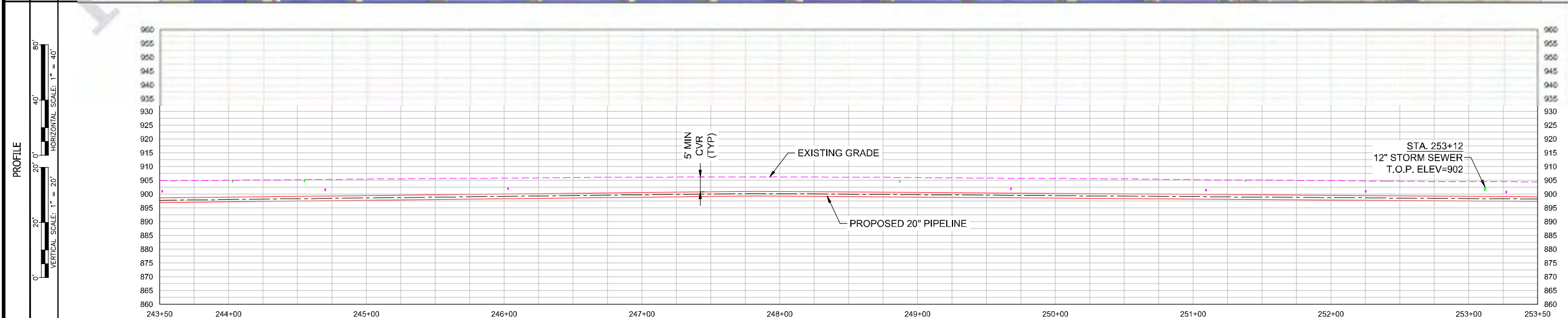
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 WO# XXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 233+50 TO STA 243+50

DRAWING NO:
L-24

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'
	ACREAGE	
	EASEMENTS	
	REF. DWG. NO.	

STATIONING	STA. 243+50	STA. 253+50							
	STA. 244+03 GAS	STA. 244+03 TRAFFIC	STA. 244+55 FIBER OPTIC STA. 244+70 WATER	STA. 246+03 WATER	STA. 248+87 FIBER OPTIC	STA. 249+68 WATER	STA. 251+09 WATER	STA. 251+38 OVERHEAD POWER	STA. 252+25 WATER



MATERIAL	
CONST. METHOD	② OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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C	05/06/26	ISSUED FOR REVIEW
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A	10/22/25	ISSUED FOR 60%

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DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
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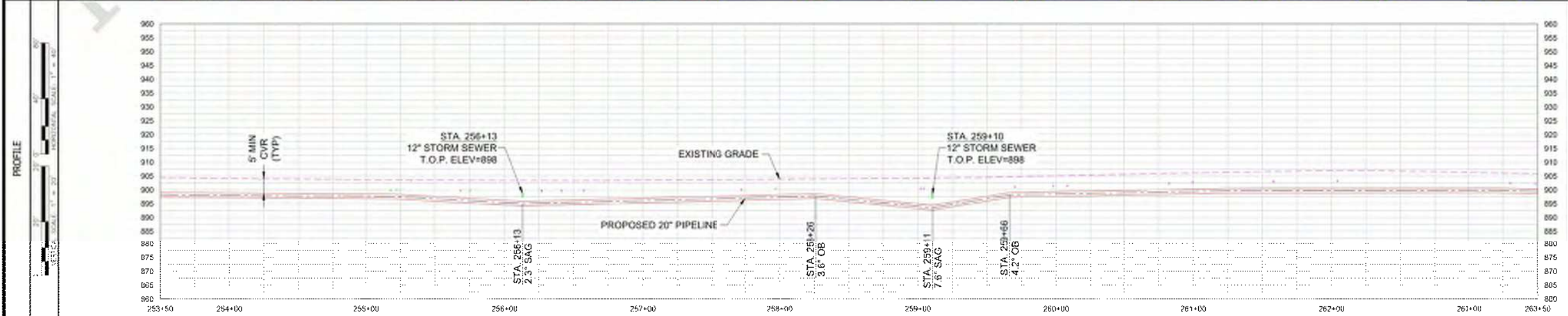
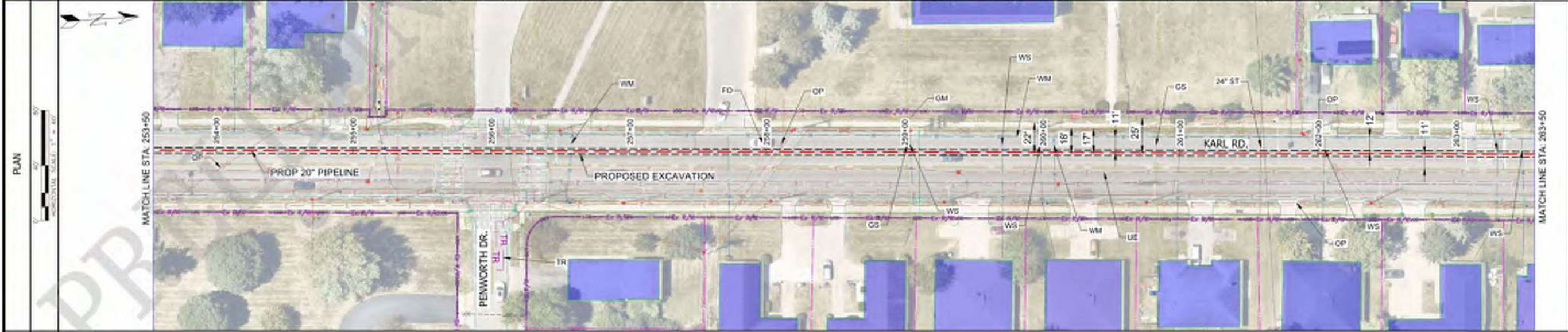
SITE NAME:
 WO# XXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 243+50 TO STA 253+50

DRAWING NO:
L-25

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'
	ACREAGE	
	EASEMENTS	
	REF. DWG. NO.	

STATIONING	STA. 214+22	OVERHEAD POWER
	STA. 215+18	UNDERGROUND ELECTRIC
	STA. 215+22	TELEPHONE
	STA. 215+32	OVERHEAD POWER
	STA. 215+66	GAS
	STA. 215+75	TRAFFIC
	STA. 216+13	STORM SEWER
	STA. 216+27	WATER
	STA. 216+27	TRAFFIC
	STA. 216+41	GAS
	STA. 216+57	WATER
	STA. 217+72	WATER
	STA. 217+97	FIBER OPTIC
	STA. 218+07	OVERHEAD POWER
	STA. 219+02	GAS
	STA. 219+04	WATER
	STA. 219+10	STORM SEWER
	STA. 219+70	WATER
	STA. 219+98	WATER
	STA. 219+08	WATER
	STA. 210+83	GAS
	STA. 210+99	WATER
	STA. 211+58	SAN. SEWER
	STA. 212+04	WATER
	STA. 212+03	OVERHEAD POWER
	STA. 263+30	WATER
	STA. 263+48	WATER



MATERIAL	
CONST. METHOD	OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

NOTES:
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MEDONNELL**
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 (614) 453-7800
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REVISIONS		
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A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26 330-523-6383
DRAWN BY	CEB	05/06/26 603-953-5325
CHECKED BY	JPF	05/06/26 314-578-9778
AS-BUILT BY	TBD	TBD
	NAME	DATE

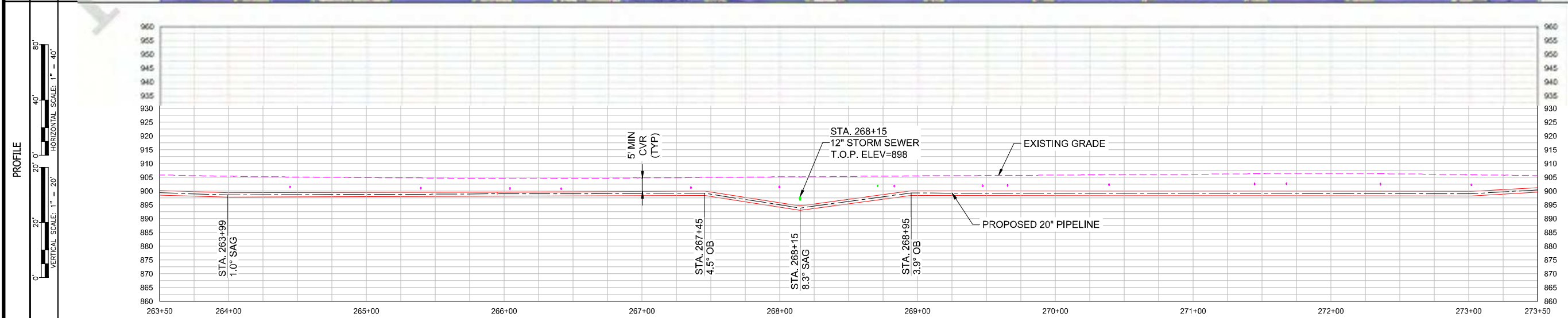
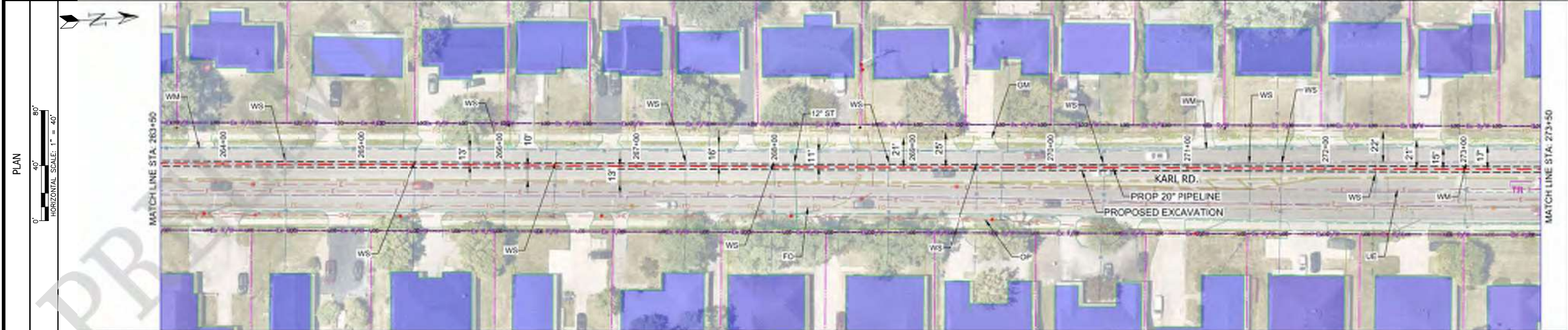
SITE NAME:
 WO# XXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**20" PIPELINE ALIGNMENT
 STA 253+50 TO STA 263+50**

DRAWING NO:
L-26

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'
	ACREAGE	
	EASEMENTS	
REF. DWG. NO.		

STATIONING	STA. 263+50	STA. 273+50													
	STA. 264+45 WATER	STA. 265+40 WATER	STA. 266+04 WATER	STA. 266+41 WATER	STA. 267+36 WATER	STA. 268+00 WATER	STA. 268+15 STORM SEWER	STA. 268+71 UNDERGROUND ELECTRIC	STA. 268+83 WATER	STA. 269+47 WATER	STA. 269+65 WATER	STA. 270+39 WATER	STA. 271+45 WATER	STA. 271+68 WATER	STA. 272+36 WATER



MATERIAL	
CONST. METHOD	OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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Call 811
before you dig

BURNS
MCDONNELL
530 W SPRING STREET, SUITE 100
COLUMBUS, OHIO 43215
(614) 453-7800

PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
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B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

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AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

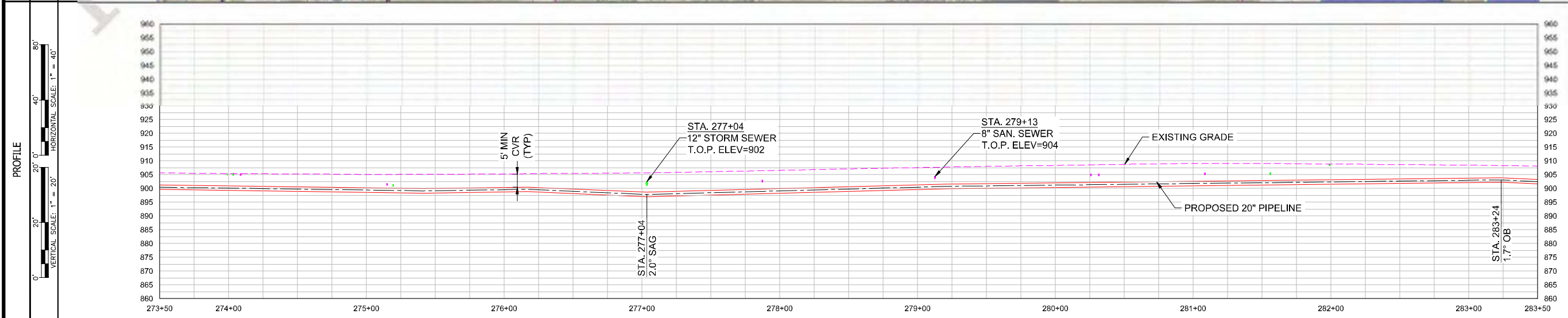
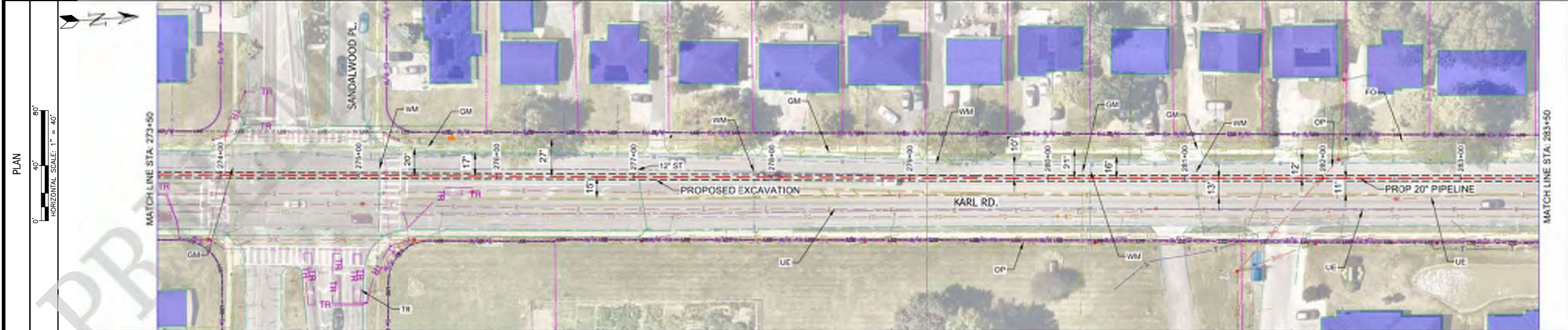
SITE NAME:
WO# XXXXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
PHASE 6 NCHP PIPELINE REPLACEMENT
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 263+50 TO STA 273+50

DRAWING NO:
L-27

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'
	ACREAGE	
	EASEMENTS	
REF. DWG. NO.		

STATIONING	STA. 273+50	STA. 283+50
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MATERIAL	
CONST. METHOD	OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
- CONTRACTOR DISCRETION SHALL BE GIVEN FOR MODIFYING FIELD BEND ANGLES AS SHOWN PROVIDED THAT MINIMUM SEPARATION AND COVER REQUIREMENTS ARE MET.
 - CONTRACTOR SHALL MAINTAIN MINIMUM 1 FT VERTICAL SEPARATION FROM OTHER UTILITIES UNLESS OTHERWISE SHOWN IN PROFILE VIEW.
 - MINIMUM TANGENT LENGTH BETWEEN GIRTH WELDS AND FORGED ELBOWS SHALL BE 60 INCHES.
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 - CONTRACTOR TO ENSURE PROPER CARE WHEN CROSSING ALL OTHER UTILITIES SHOWN IN ALIGNMENT VIEW.



**BURNS
MCDONNELL**
530 W SPRING STREET, SUITE 100
COLUMBUS, OHIO 43215
(614) 453-7800

PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

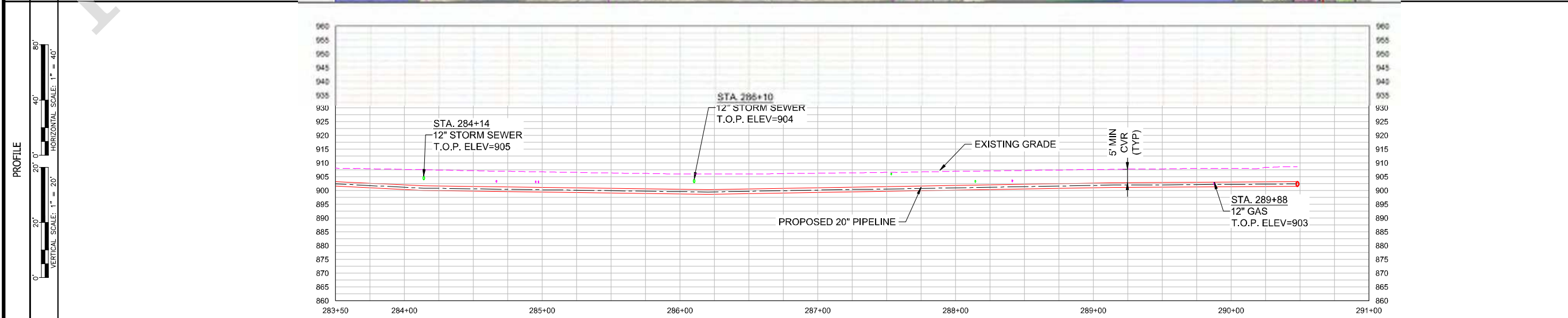
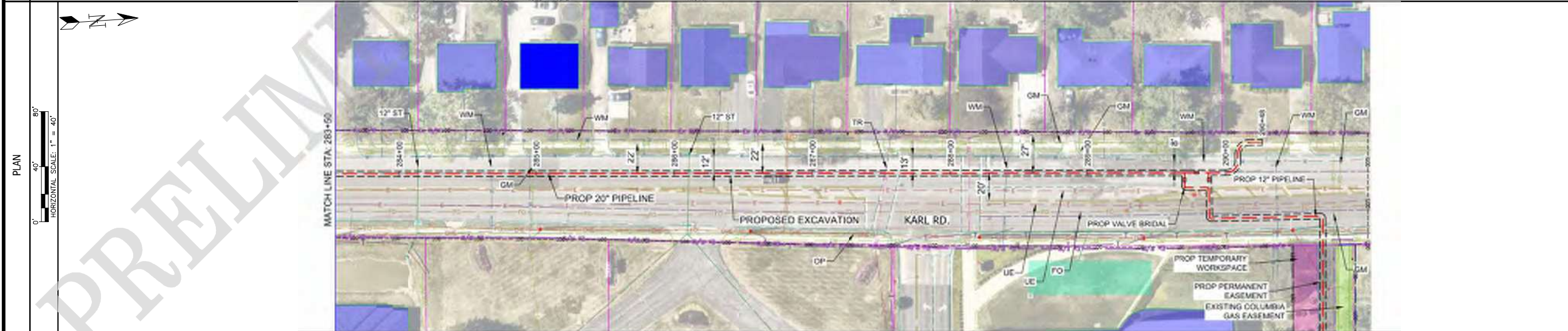
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
 STA 273+50 TO STA 283+50

DRAWING NO:
L-28

RIGHT-OF-WAY	OWNERSHIP	STA 283+50	CITY OF COLUMBUS ROW	STA 290+37
	ACREAGE		699'	
	EASEMENTS			
	REF. DWG. NO.			

STATIONING	STA. 284+14	STA. 284+67	STA. 284+95	STA. 284+97	STA. 286+10	STA. 287+53	STA. 288+14	STA. 288+41	STA. 290+31	STA. 290+09
	STORM SEWER	WATER	WATER	GAS	STORM SEWER	TRAFFIC	TRAFFIC	WATER	90.0° FITTING	90.0° FITTING



MATERIAL	
CONST. METHOD	OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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Call 811
before you dig

**BURNS
MCDONNELL**
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COLUMBUS, OHIO 43215
(614) 453-7800

PROPOSED

REVISIONS			
REV. #	DATE	DESCRIPTION	
C	05/06/26	ISSUED FOR REVIEW	
B	03/03/26	REISSUED FOR 60%	
A	10/22/25	ISSUED FOR 60%	

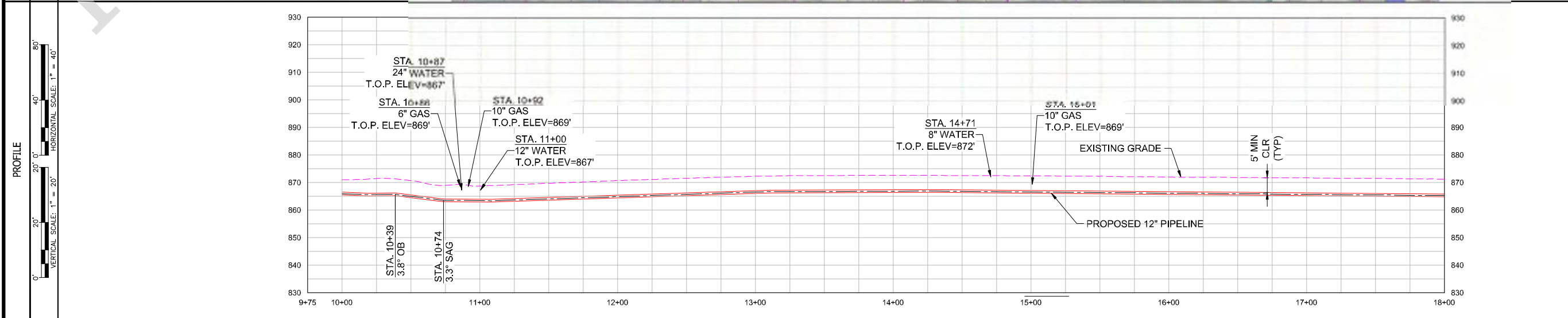
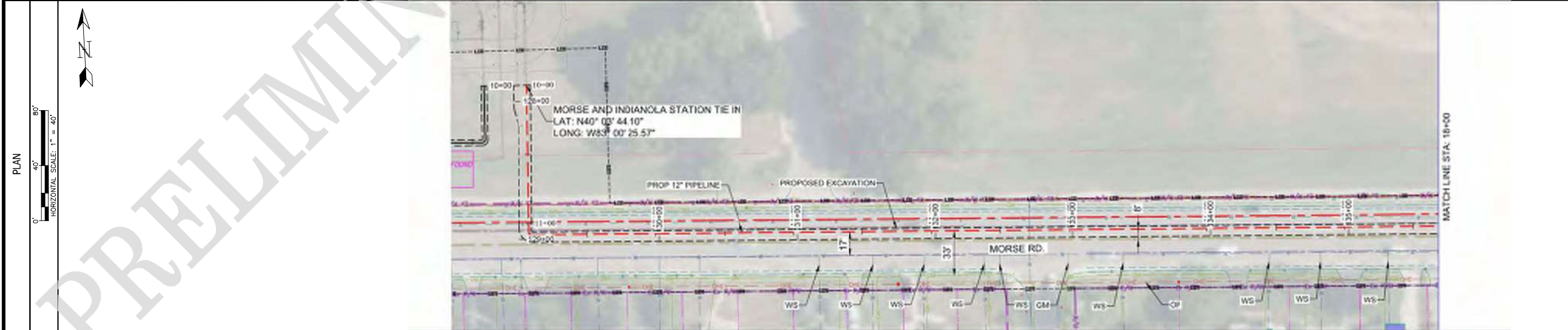
DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
WO# XXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 283+50 TO STA 290+00

DRAWING NO:
L-29

RIGHT-OF-WAY	OWNERSHIP	STA. 10+00 STATE OF OHIO 101' STA. 11+01	CITY OF COLUMBUS ROW 699'	STA. 18+00
	ACREAGE			
	EASEMENTS			
	REF. DWG. NO.			



NOTES:

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REVISIONS		
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C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26 630-523-6383
DRAWN BY	CEB	05/06/26 603-953-5325
CHECKED BY	JPF	05/06/26 614-578-9778
AS-BUILT BY	TBD	TBD
	NAME	DATE
	PHONE #	

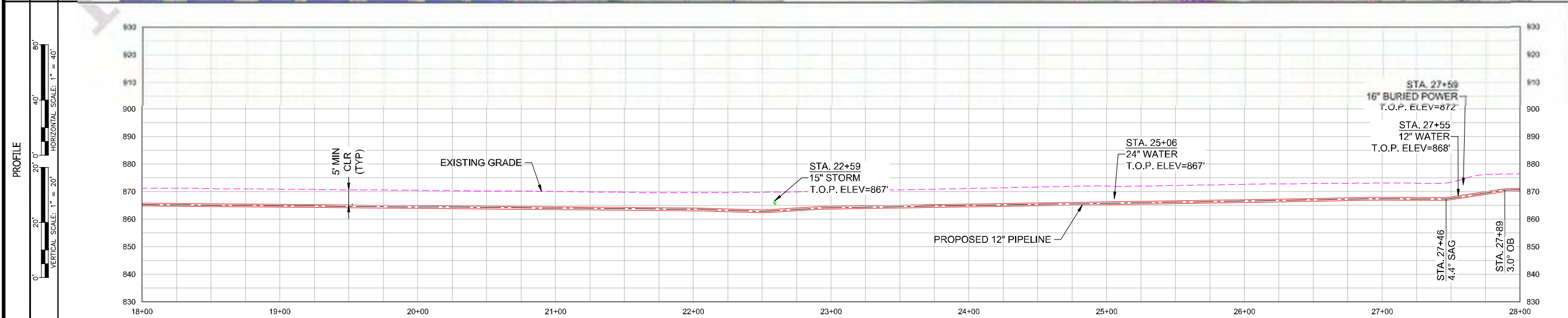
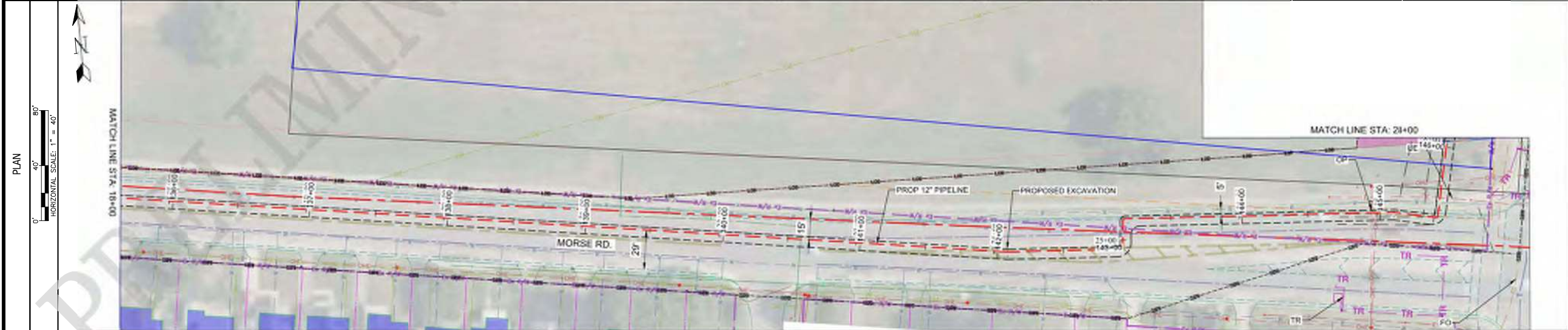
SITE NAME:
WO# XXXXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
PHASE 6 NCHP PIPELINE REPLACEMENT
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
12" PIPELINE ALIGNMENT
STA 10+00 TO STA 18+00

DRAWING NO.:
L-01A

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'	STA. 18+00	STA. 28+00
	ACREAGE			
	EASEMENTS			
REF. DWG. NO.				

STATIONING	STA. 22+59 15" STORM	STA. 24+10 4.8" BEND	STA. 24+94 88.7° FITTING	STA. 25+16 88.7° FITTING	STA. 26+96 OVERHEAD POWER	STA. 26+99 OVERHEAD POWER	STA. 27+12 8.2" FITTING	STA. 27+44 90.0° FITTING



MATERIAL	1000'
CONST. METHOD	OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

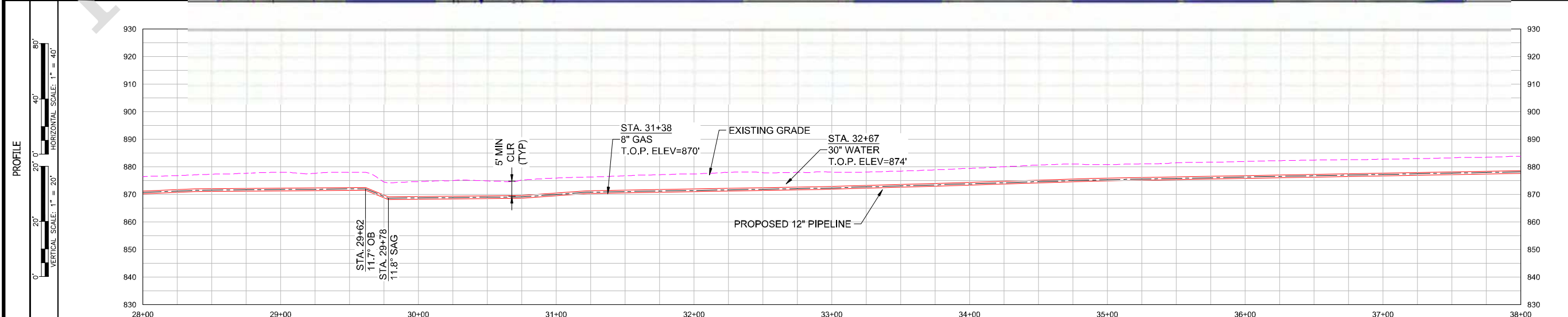
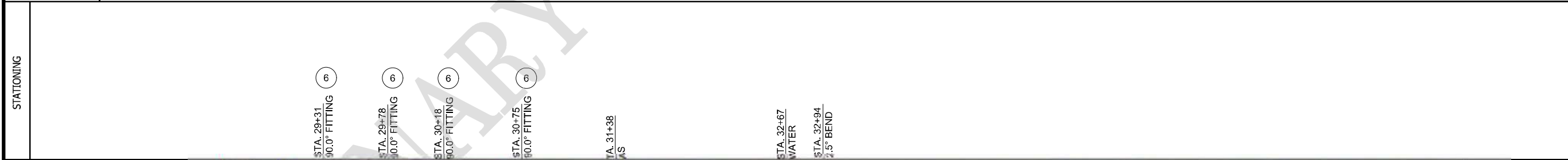
DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
12" PIPELINE ALIGNMENT
 STA 18+00 TO STA 28+00

DRAWING NO:
L-02A

RIGHT-OF-WAY	OWNERSHIP	STA. 28+00	CITY OF COLUMBUS ROW	STATE OF OHIO	STA. 30+09	CITY OF COLUMBUS ROW	STA. 38+00
	ACREAGE	31'	178'	791'			
EASEMENTS							
REF. DWG. NO.							



MATERIAL	
CONST. METHOD	OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

NOTES:

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PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
NAME	DATE	PHONE #	

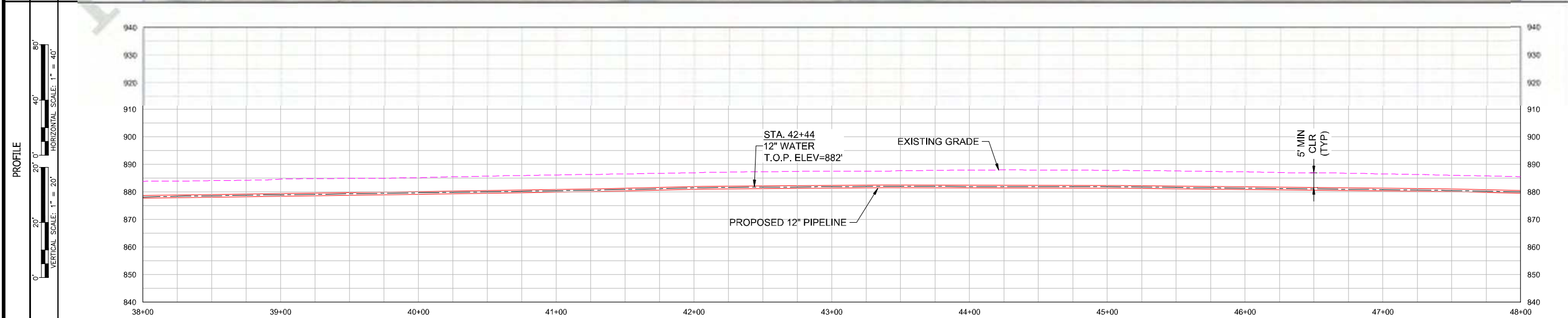
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
12" PIPELINE ALIGNMENT
 STA 28+00 TO STA 38+00

DRAWING NO:
L-03A

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'		STA. 48+00
	ACREAGE	STA. 38+00		
	EASEMENTS			
REF. DWG. NO.				

STATIONING	STA. 38+31 2.9° BEND	STA. 40+01 3.0° BEND	STA. 42+44 WATER	STA. 42+98 4.3° BEND	STA. 43+39 OP	STA. 43+40 9.2° BEND
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MATERIAL	1000'
CONST. METHOD	① OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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REVISIONS			
REV. #	DATE	DESCRIPTION	
C	05/06/26	ISSUED FOR REVIEW	
B	03/03/26	REISSUED FOR 60%	
A	10/22/25	ISSUED FOR 60%	

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

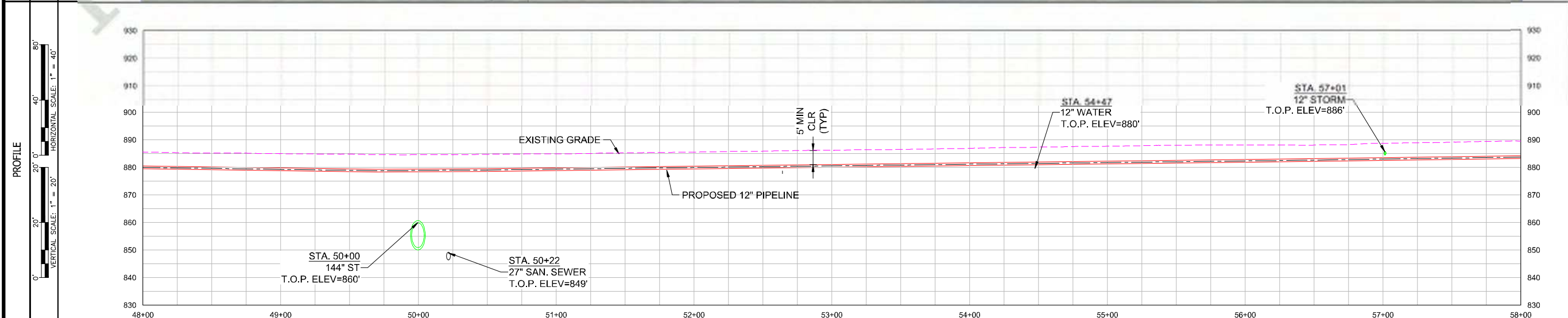
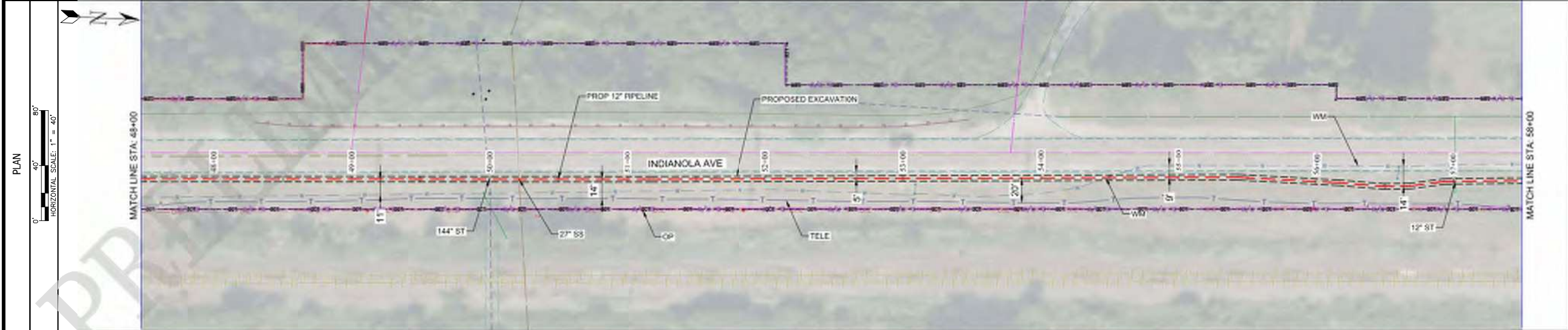
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
12" PIPELINE ALIGNMENT
 STA 38+00 TO STA 48+00

DRAWING NO:
L-04A

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'	STA. 48+00	STA. 58+00
	ACREAGE			
	EASEMENTS			
REF. DWG. NO.				

STATIONING



MATERIAL	
CONST. METHOD	1000' OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
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REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26 830-523-6383
DRAWN BY	CEB	05/06/26 603-953-5325
CHECKED BY	JPF	05/06/26 814-578-9778
AS-BUILT BY	TBD	TBD
NAME	DATE	PHONE #

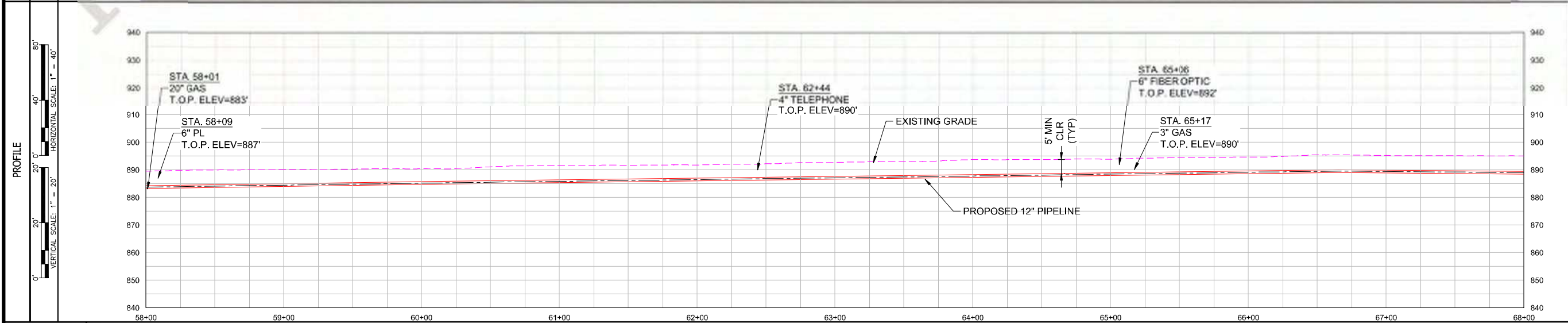
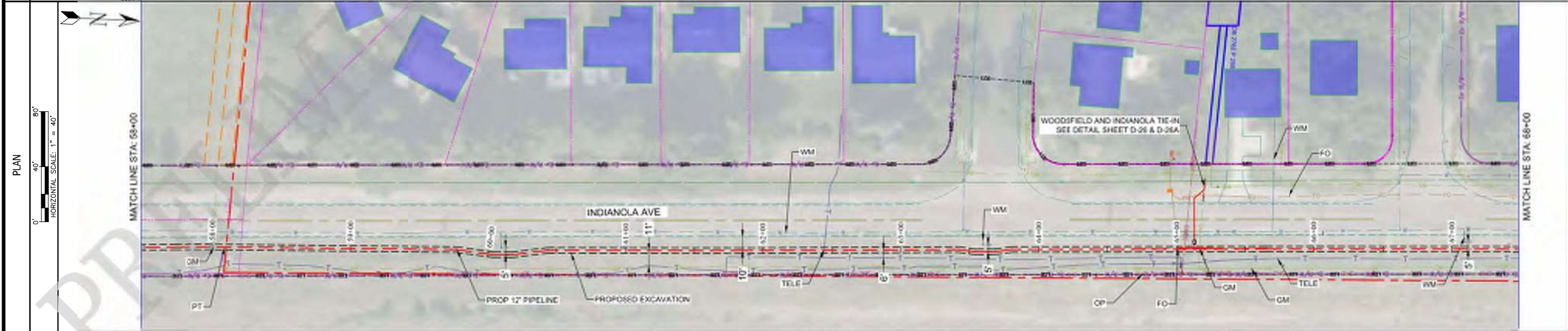
SITE NAME:
WO# XXXXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
**12" PIPELINE ALIGNMENT
 STA 48+00 TO STA 58+00**

DRAWING NO:
L-05A

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW 1000'	STA. 58+00	STA. 68+00
	ACREAGE			
	EASEMENTS			
	REF. DWG. NO.			

STATIONING	STA. 58+01 GAS	STA. 58+09 PET	STA. 59+77 7.5° BEND	STA. 60+03 7.4° BEND	STA. 60+17 7.5° BEND	STA. 60+44 6.9° BEND	STA. 62+44 TELE	STA. 63+43 8.3° FITTING	STA. 63+69 7.6° BEND	STA. 63+54 8.3° FITTING	STA. 63+81 7.7° BEND	STA. 65+01 FO	STA. 65+06 OVERHEAD POWER	STA. 65+17 GAS	STA. 68+00
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MATERIAL	
CONST. METHOD	OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

- NOTES:
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(614) 453-7800

PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
C	05/06/26	ISSUED FOR REVIEW
B	03/03/26	REISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

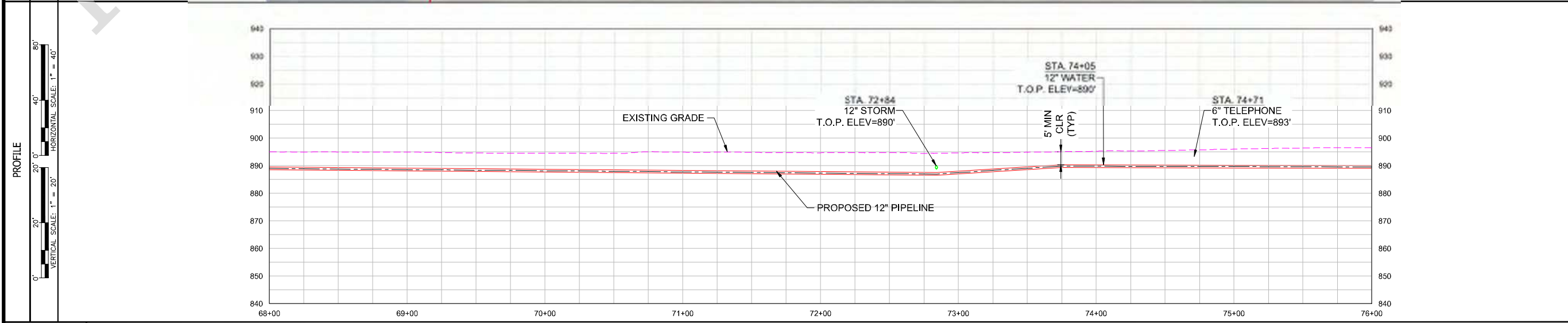
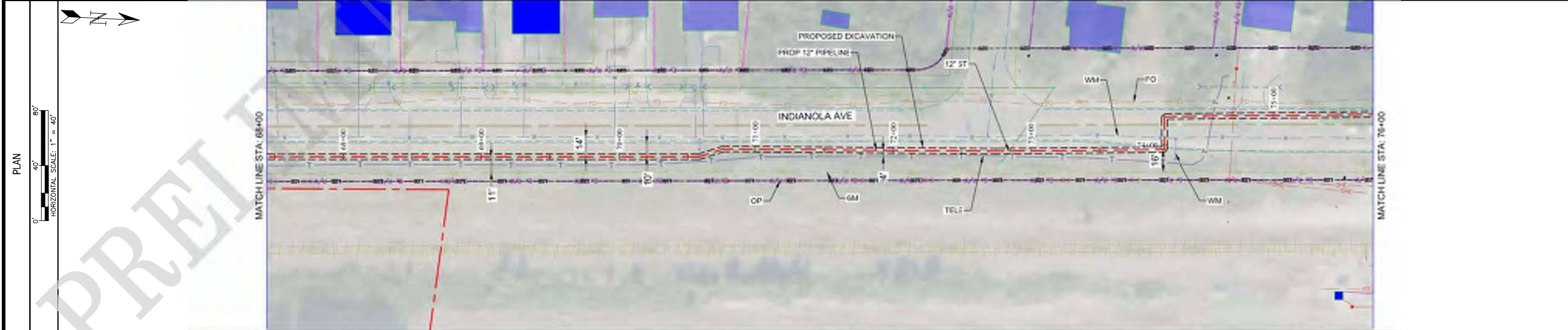
SITE NAME:
WO# XXXXXXXXXX
MAT XXX
WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
12" PIPELINE ALIGNMENT
STA 58+00 TO 68+00

DRAWING NO:
L-06A

RIGHT-OF-WAY	OWNERSHIP	STA. 68+00	CITY OF COLUMBUS ROW 800'	STA. 76+00
	ACREAGE			
	EASEMENTS			
	REF. DWG. NO.			

STATIONING	



MATERIAL	
CONST. METHOD	
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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(614) 453-7800

PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
B	03/03/26	ISSUED FOR 60%
A	10/22/25	ISSUED FOR 60%

DESIGNED BY	AD	03/03/26	830-523-6383
DRAWN BY	CEB	03/03/26	603-953-5325
CHECKED BY	JPF	03/03/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

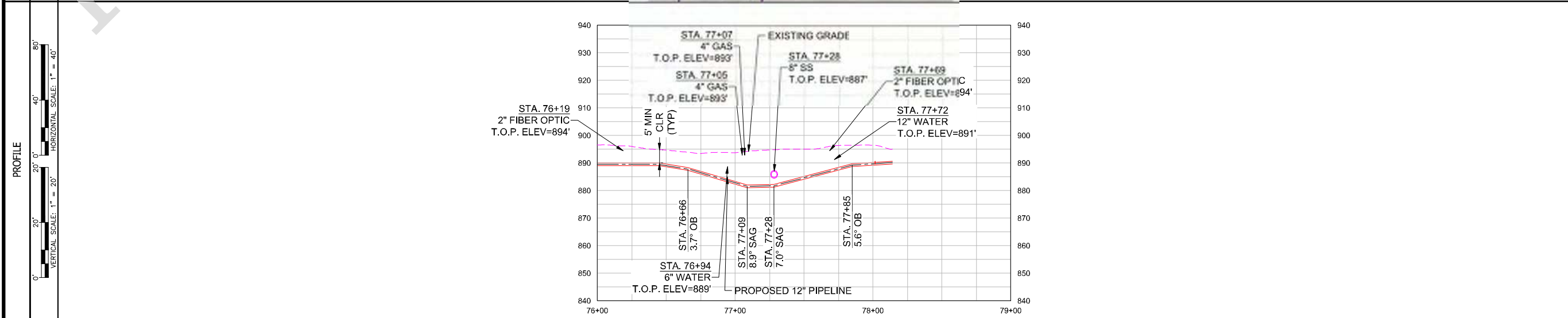
SITE NAME:
 WO# XXXXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
12" PIPELINE ALIGNMENT
 STA 68+00 TO STA 76+00

DRAWING NO:
L-07A

RIGHT-OF-WAY	OWNERSHIP	CITY OF COLUMBUS ROW
	ACREAGE	968'
	EASEMENTS	
REF. DWG. NO.		

STATIONING	STA. 76+00	STA. 78+39
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MATERIAL	
CONST. METHOD	OPEN CUT
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

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A	10/22/25	ISSUED FOR 60%	

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DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

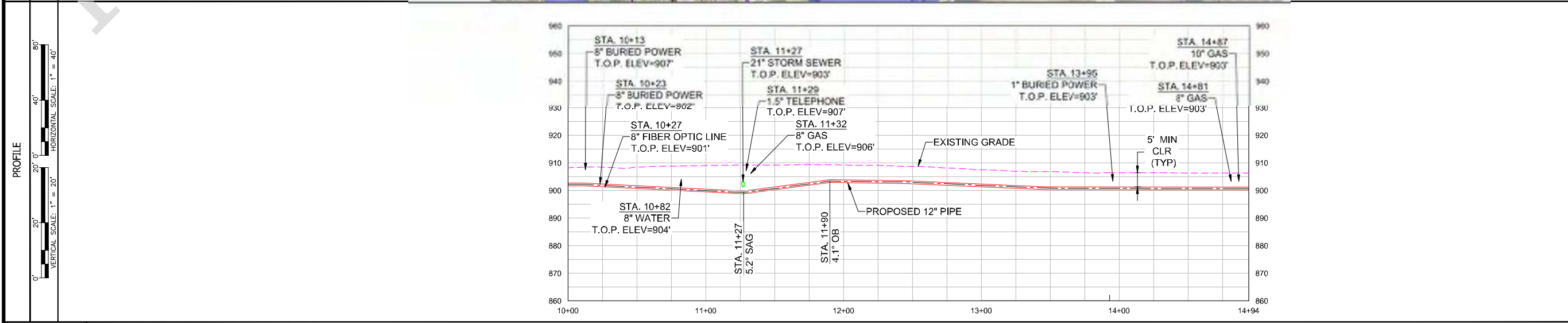
SITE NAME:
 WO# XXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
12" PIPELINE ALIGNMENT
 STA 76+00 TO STA 79+00

DRAWING NO:
L-08A

RIGHT-OF-WAY	OWNERSHIP	STA. 10+00	CITY OF COLUMBUS ROW 137'	STA. 11+37	COLUMBIA GAS OF OHIO INC 357'	STA. 14+94
	ACREAGE					
	EASEMENTS					
REF. DWG. NO.						

STATIONING	<p>STA. 10+13 BURIED POWER STA. 10+23 BURIED POWER STA. 10+27 8" FIBER OPTIC LINE STA. 10+33 90.0° FITTING</p> <p>STA. 11+16 90.0° FITTING STA. 11+25 OVERHEAD POWER STA. 11+29 TELEPHONE STA. 11+32 GAS STA. 11+61 OVERHEAD POWER</p> <p>STA. 13+95 BURIED POWER</p> <p>STA. 14+54 45.5° FITTING STA. 14+69 45.0° FITTING STA. 14+92 51.6° FITTING</p>					
	<p>⑥ ⑦ ⑦ ⑥</p>					



MATERIAL	
CONST. METHOD	
CLASS/MAOP	DESIGN CLASS 4/DESIGN MAOP 720 PSIG

NOTES:

- CONTRACTOR DISCRETION SHALL BE GIVEN FOR MODIFYING FIELD BEND ANGLES AS SHOWN PROVIDED THAT MINIMUM SEPARATION AND COVER REQUIREMENTS ARE MET.
- CONTRACTOR SHALL MAINTAIN MINIMUM 1 FT VERTICAL SEPARATION FROM OTHER UTILITIES UNLESS OTHERWISE SHOWN IN PROFILE VIEW.
- MINIMUM TANGENT LENGTH BETWEEN GIRTH WELDS AND FORGED ELBOWS SHALL BE 60 INCHES.
- FIELD BENDS LESS THAN 2 DEGREES ARE NOT CALLED OUT IN PLAN OR PROFILE VIEW.
- CONTRACTOR TO ENSURE PROPER CARE WHEN CROSSING ALL OTHER UTILITIES SHOWN IN ALIGNMENT VIEW.



**BURNS
MCDONNELL**
 530 W SPRING STREET, SUITE 100
 COLUMBUS, OHIO 43215
 (614) 453-7800

PROPOSED

REVISIONS			
REV. #	DATE	DESCRIPTION	
C	05/06/26	ISSUED FOR REVIEW	
B	03/03/26	REISSUED FOR 60%	
A	10/22/25	ISSUED FOR 60%	

DESIGNED BY	AD	05/06/26	630-523-6383
DRAWN BY	CEB	05/06/26	603-953-5325
CHECKED BY	JPF	05/06/26	614-578-9778
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:
 WO# XXXXXXXXXX
 MAT XXX
 WBS L2 XXXXXXXXXXXXX
 PHASE 6 NCHP PIPELINE REPLACEMENT
 COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
12" PIPELINE ALIGNMENT
 STA 10+00 TO STA 13+93

DRAWING NO:
L-01E