Columbia Gas®
A NiSource Company

INSTALLATION ORDER NUMBER 22-0083155-00 / 22-0135586-00
ABANDONMENT ORDER NUMBER 22-0083156-00 / 22-0135587-00
PROJECT ID 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS

JOB TYPE: BUDGET NAME (557)

PROJECT INFORMATION

FIELD ENGINEER/TECHNICIAN:	MARK CHRISTMAN
CONSTRUCTION FLL:	MATTHEW ALIFF
PERMITS:	CITY OF COLUMBUS PERMIT OPSB PERMIT ODOT PERMIT CSX PERMIT NORFOLK-SOUTHERN PERMIT ENVIRONMENTAL PERMITS
TCC/LOA:	TCC/LOA
COUNTY:	FRANKLIN COUNTY, OH
TAX DISTRICT/TOWNSHIP ID:	TAX DISTRICT OR TOWNSHIP ID
MAP/GRID NUMBER:	MAP/GRID NUMBER
24 HR. EMERGENCY LINE:	1-800-344-4077

SYSTEM DATA

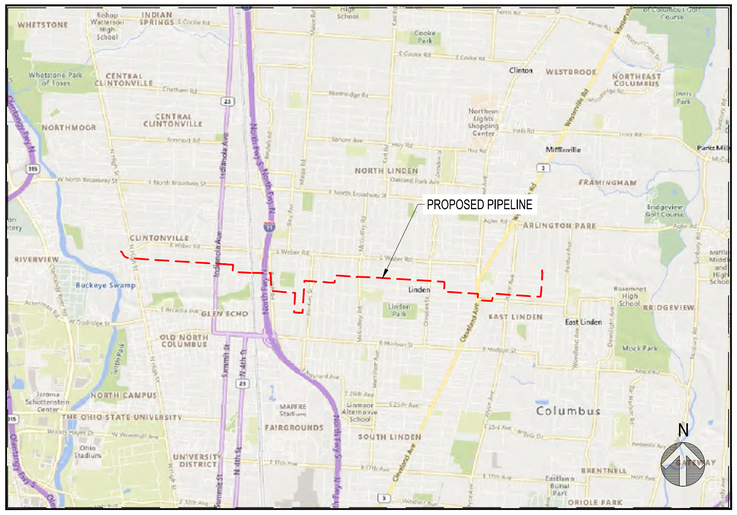
	MINIMUM (PSIG / MCFH)	MAXIMUM (PSIG / MCFH)	MAOP (PSIG)
DESIGN PRESSURE	190 PSIG	190 PSIG	190 PSIG
DESIGN FLOW	N/A MCFH	N/A MCFH	

DESIGN DATA

DESIGN FACTOR:	0.4	REF CFR 192.111
DESIGN PRESSURE:	190 PSIG	≥ INLET MAOP
MIN. TEST PRESSURE:	285 PSIG	1.5x DESIGN PRESSURE
MAX. TEST PRESSURE:	500 PSIG	PER CLIENT
MIN. TEST DURATION:	16 HRS	PER G.S. 1500 SERIES
PERCENT SMYS AT DESIGN PRESSURE:	14.11%	% SMYS BASED ON: 20", 0.259" W/T, X-52
PERCENT SMYS AT MAOP:	14.11%	% SMYS BASED ON: 20", 0.259" W/T, X-52
PERCENT SMYS AT MIN. TEST PRESSURE:	21.16%	% SMYS BASED ON: 20", 0.259" W/T, X-52
PERCENT SMYS AT MAX TEST PRESSURE:	37.13%	% SMYS BASED ON: 20", 0.259" W/T, X-52
MAOP LIMITING ELEMENT:	PRESSURE TEST	
TEST MEDIUM	WATER	
PERCENT X-RAY	100%	

VICINITY MAP

SCALE: 1 : 3000'



DWG.

PROJECT DESCRIPTION

INSTALLATION OF 4.2 MILES OF 20-INCH HIGH PRESSURE STEEL PIPELINE

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS		
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW
REV. #	DATE	DESCRIPTION

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
TITLE SHEET

DRAWING NO:
T-01

2/9/2021 - 22 x 34

OWNERSHIP	CITY OF COLUMBUS			
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY			
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX			
DESIGN INFORMATION	CLASS IV / 190 PSIG			
CONSTRUCTION METHOD	OPEN CUT / OCD-09	OPEN CUT / OCD-06	HDD	
MATERIALS	7 7 3 500'	7 20	4 500'	

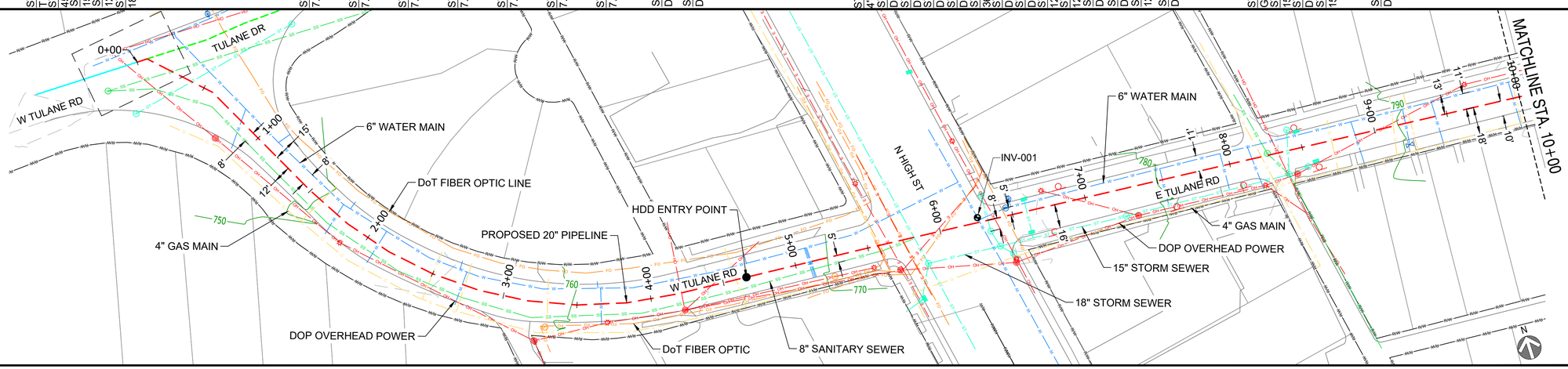
STA. 0+00 — STA. 10+00

HORIZONTAL STATIONING

STA. 0+00 TIE-IN TO EXST. 20" PIPELINE
STA. 0+07 45.0° RB
STA. 0+26 15" SANITARY SEWER
STA. 0+41 12" STORM SEWER
STA. 0+57 18.0° RB
STA. 1+84 7.3° LB
STA. 2+17 7.3° LB
STA. 2+50 7.3° LB
STA. 2+84 7.3° LB
STA. 3+17 7.3° LB
STA. 3+50 7.3° LB
STA. 3+84 7.3° LB
STA. 4+21 DOP OVERHEAD POWER
STA. 4+42 DOP OVERHEAD POWER
STA. 5+57 4" GAS MAIN
STA. 5+58 DoT FIBER OPTIC
STA. 5+64 DOP BURIED POWER
STA. 5+74 DOP BURIED POWER
STA. 5+74 DoT FIBER OPTIC
STA. 5+92 36" STORM SEWER
STA. 5+97 DOP BURIED POWER
STA. 6+01 DoT FIBER OPTIC
STA. 6+27 12" WATER MAIN
STA. 6+33 12" STORM SEWER
STA. 6+38 DOP OVERHEAD POWER
STA. 6+45 DoT FIBER OPTIC
STA. 6+60 12" STORM SEWER
STA. 6+94 DOP OVERHEAD POWER
STA. 8+22 GAS MAIN
STA. 8+27 15" SANITARY SEWER
STA. 8+33 DOP OVERHEAD POWER
STA. 8+40 15" STORM SEWER
STA. 9+05 DOP OVERHEAD POWER

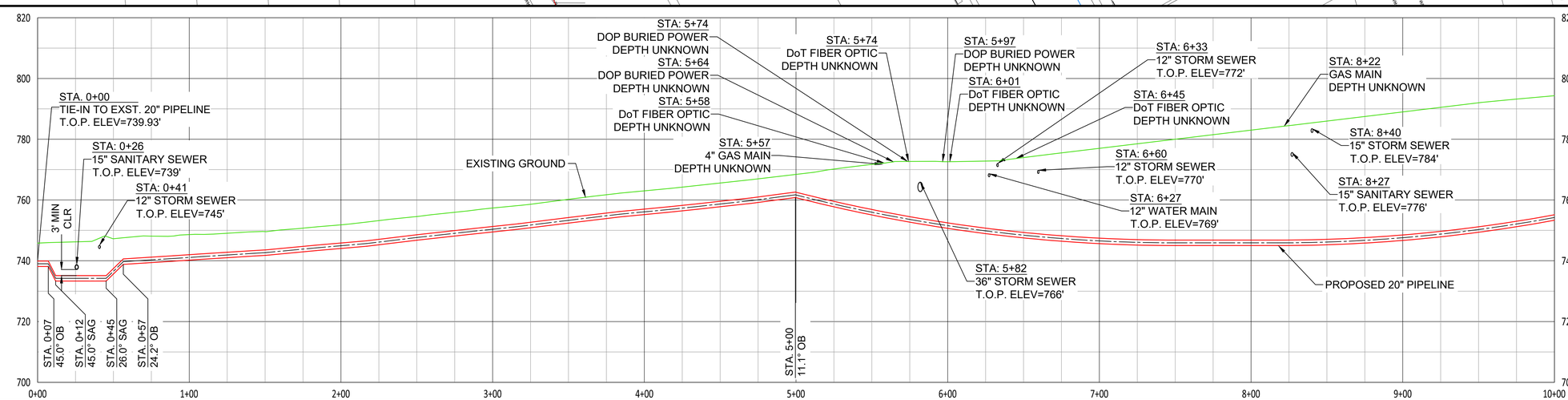
PROPOSED PLAN

SCALE: 1" = 40'



PROPOSED PROFILE

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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
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MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	500'
4	20" XH PIPE X-52 FBE/ARO	500'
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	3
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	-
20	TRANSITION 20" x 0.375" TO 0.500"	1

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
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B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 0+00 TO STA 10+00

DRAWING NO:
L-01

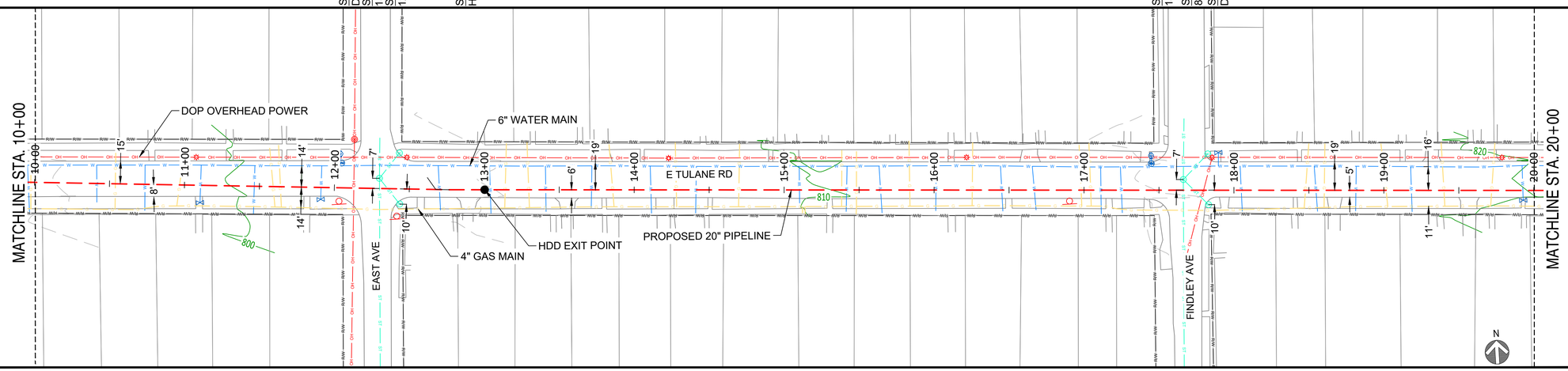
OWNERSHIP	CITY OF COLUMBUS	
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX	
DESIGN INFORMATION	CLASS IV / 190 PSIG	
CONSTRUCTION METHOD	HDD	OPEN CUT / OCD-10
MATERIALS	(4) 267'	(20)(7) (3) 733' (7)(7)(7)(7)

STA. 10+00 — STA. 20+00

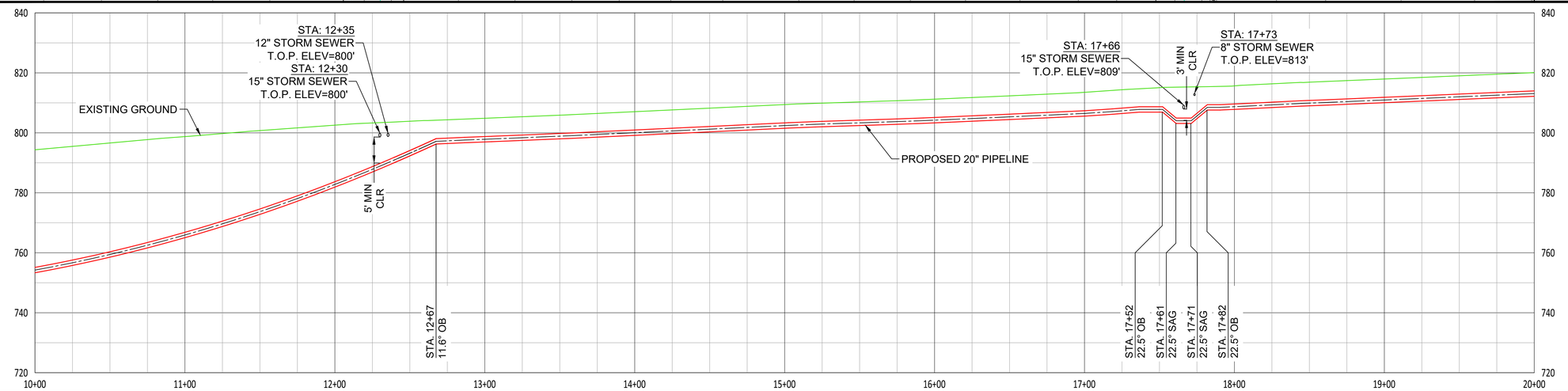
HORIZONTAL STATIONING

STA: 12+13 DOP OVERHEAD POWER
STA: 12+30 15" STORM SEWER
STA: 12+35 12" STORM SEWER
STA. 13+00 HDD EXIT POINT
STA: 17+66 15" STORM SEWER
STA: 17+73 8" STORM SEWER
STA: 17+80 DOP OVERHEAD POWER

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40'
VERTICAL: 1" = 20'

2/9/2021 - 22 x 34

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MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	733'
4	20" XH PIPE X-52 FBE/ARO	267'
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	3
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	-
20	TRANSITION 20" x 0.375" TO 0.500"	1

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

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F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

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

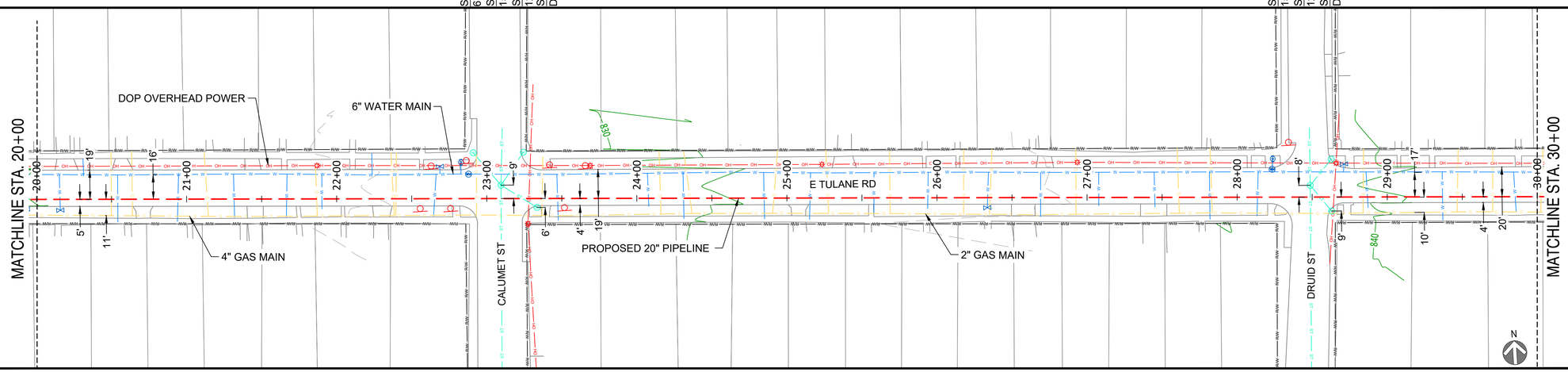
DRAWING NO:
L-02

OWNERSHIP	CITY OF COLUMBUS		
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY		
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX		
DESIGN INFORMATION	CLASS IV / 190 PSIG		
CONSTRUCTION METHOD	OPEN CUT / OCD-10	OPEN CUT / OCD-11	
MATERIALS	7 7 7 7 3 1,000'	7 7 7 7	

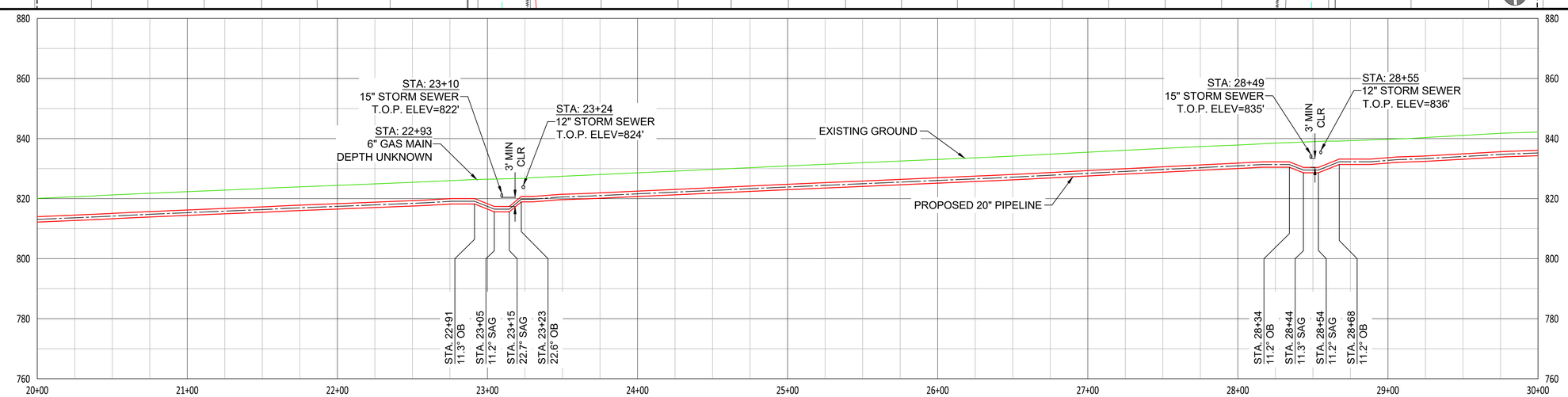
STA. 20+00 — STA. 30+00

HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

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Ohio Utilities Protection Service
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MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	4
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	-
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
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AS-BUILT BY			

SITE NAME:
INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 20+00 TO STA 30+00

DRAWING NO:
L-03

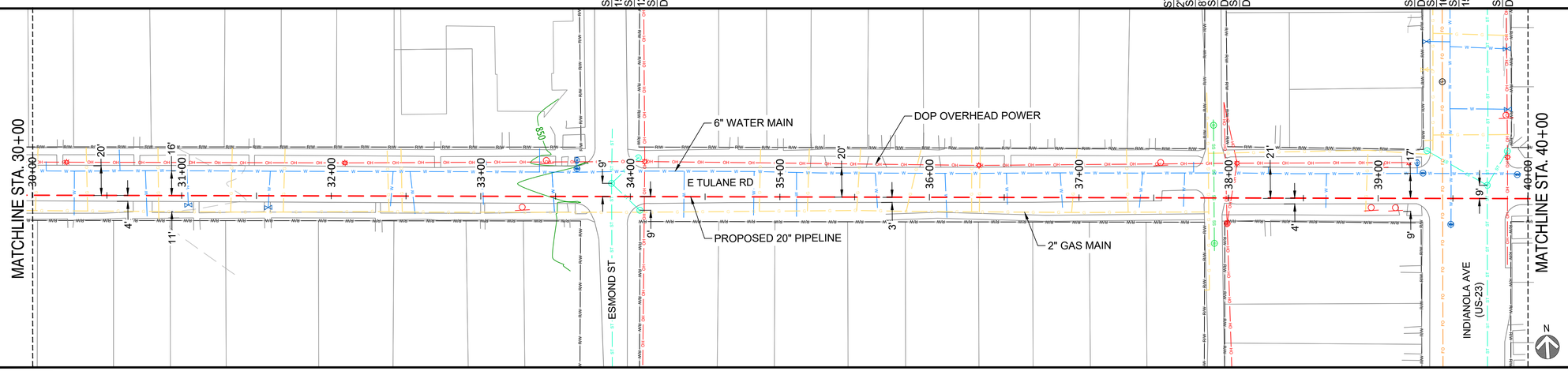
OWNERSHIP	CITY OF COLUMBUS	FEDERAL HIGHWAY ADMINISTRATION
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX	
DESIGN INFORMATION	CLASS IV / 190 PSIG	
CONSTRUCTION METHOD	OPEN CUT / OCD-11	
MATERIALS	⑦⑦⑦ ⑦ ③ 1,000' ⑦⑦⑦⑦ ⑦ ⑦ ⑦⑦	

STA. 30+00 — STA. 40+00

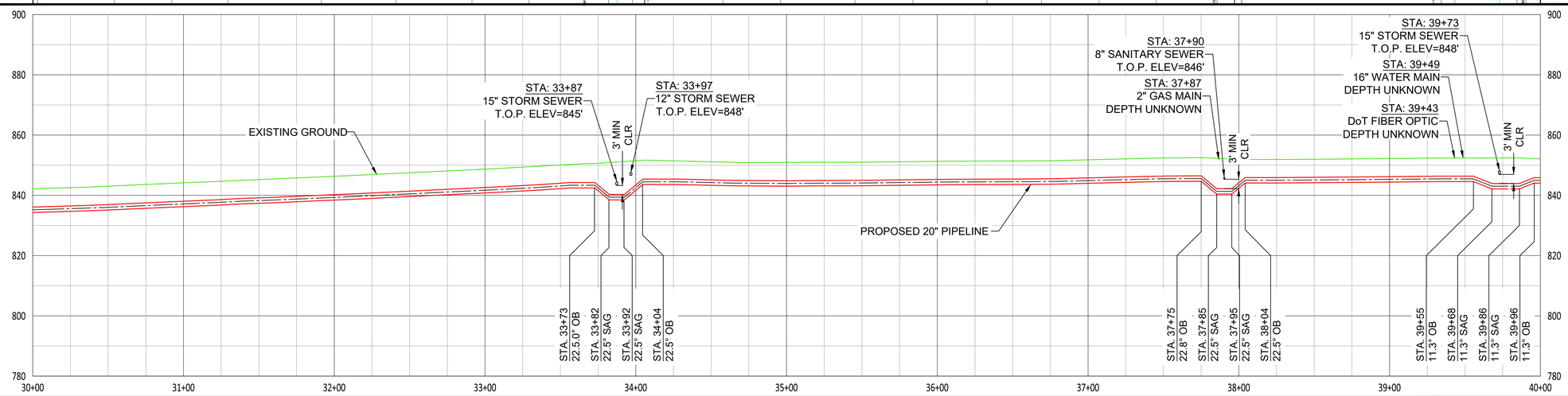
HORIZONTAL STATIONING

STA: 33+87 15" STORM SEWER
STA: 33+97 12" STORM SEWER
STA: 34+09 DOP OVERHEAD POWER
STA: 37+87 2" GAS MAIN
STA: 37+90 8" SANITARY SEWER
STA: 37+99 DOP OVERHEAD POWER
STA: 38+02 DOP OVERHEAD POWER
STA: 39+43 DoT FIBER OPTIC
STA: 39+49 16" WATER MAIN
STA: 39+73 15" STORM SEWER
STA: 39+87 DOP OVERHEAD POWER

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
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3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	6
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	-
9	20" x 10" STD REDUCING TEE Y-52	1
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
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PROPOSED

REVISIONS

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F	08/04/23	ISSUED FOR BID REV F
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SITE NAME:
INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 30+00 TO STA 40+00

DRAWING NO:
L-04

OWNERSHIP	CITY OF COLUMBUS		
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY		
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX		
DESIGN INFORMATION	CLASS IV / 190 PSIG		
CONSTRUCTION METHOD	OPEN CUT / OCD-11	OPEN CUT / OCD-12	HDD
MATERIALS	⑦ ⑦ ③ 890' ⑧	⑦ ⑦ ⑦ ⑧ ⑦ ⑦ ⑦ ④ ⑳	④ 110'

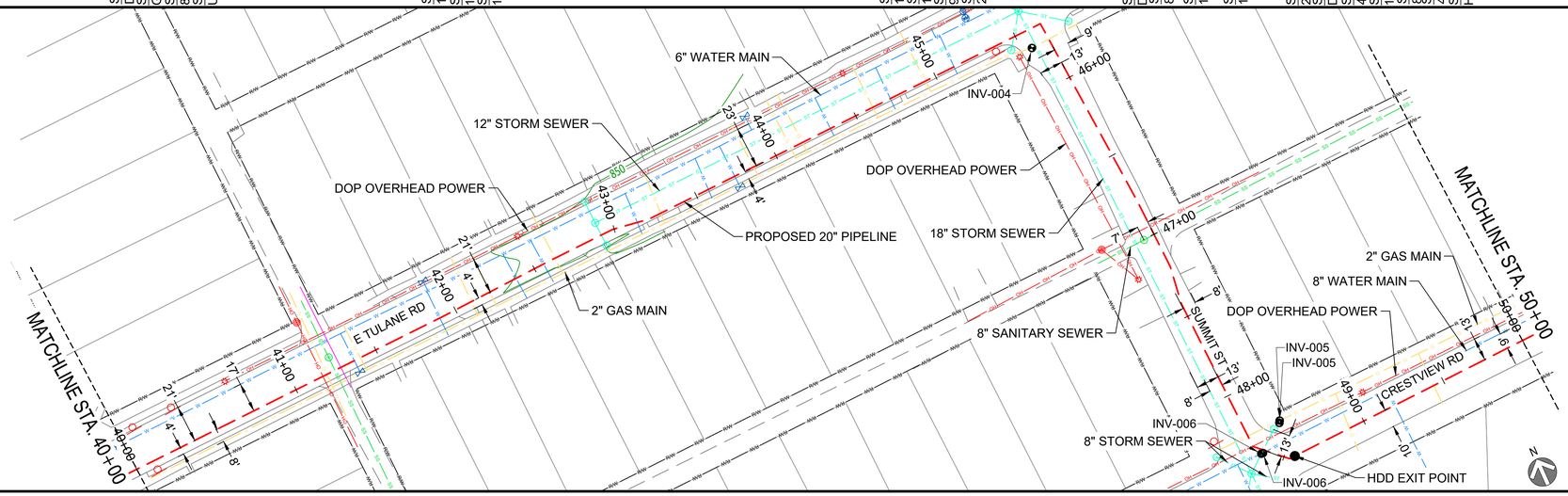
STA. 40+00 — STA. 50+00

HORIZONTAL STATIONING

STA: 41+17 DOP OVERHEAD POWER
STA: 41+19 GAS MAIN
STA: 41+24 8" SANITARY SEWER
STA: 41+28 UNK UTILITY
STA: 42+92 12" STORM SEWER
STA. 42+99 10.7° RB (COMBO)
STA 43+20 10.7° LB
STA: 45+49 12" STORM SEWER
STA: 45+58 18" STORM SEWER
STA. 45+66 90° RB (COMBO)
STA: 45+76 2" GAS MAIN
STA: 46+95 DOP OVERHEAD POWER
STA: 47+00 8" SANITARY SEWER
STA. 47+20 10.0° RB (COMBO)
STA. 47+42 10.0° LB
STA: 48+25 2" GAS MAIN
STA: 48+32 DOP OVERHEAD POWER
STA. 48+32 45.0° LB (COMBO)
STA: 48+38 12" STORM SEWER
STA: 48+39 8" WATER MAIN
STA. 48+53 45.0° LB
STA. 48+57 HDD EXIT POINT

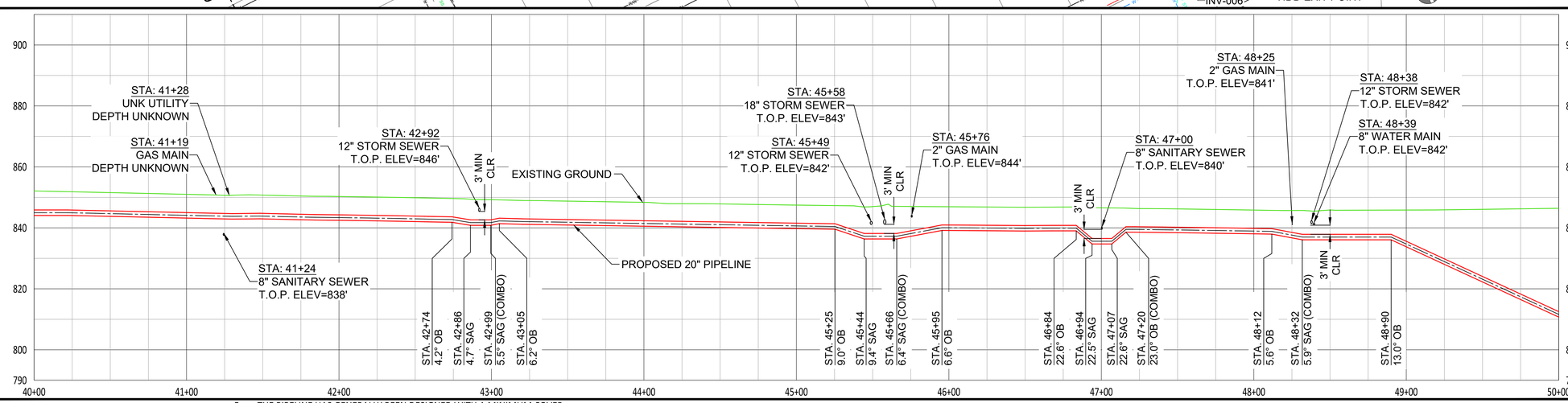
PROPOSED PLAN

SCALE: 1" = 40'



PROPOSED PROFILE

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



NOTES:

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3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
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5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	890'
4	20" XH PIPE X-52 FBE/ARO	110'
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	7
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	2
20	TRANSITION 20" x 0.375" TO 0.500"	1

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:

INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

20" PIPELINE ALIGNMENT
STA 40+00 TO STA 50+00

DRAWING NO:

L-05

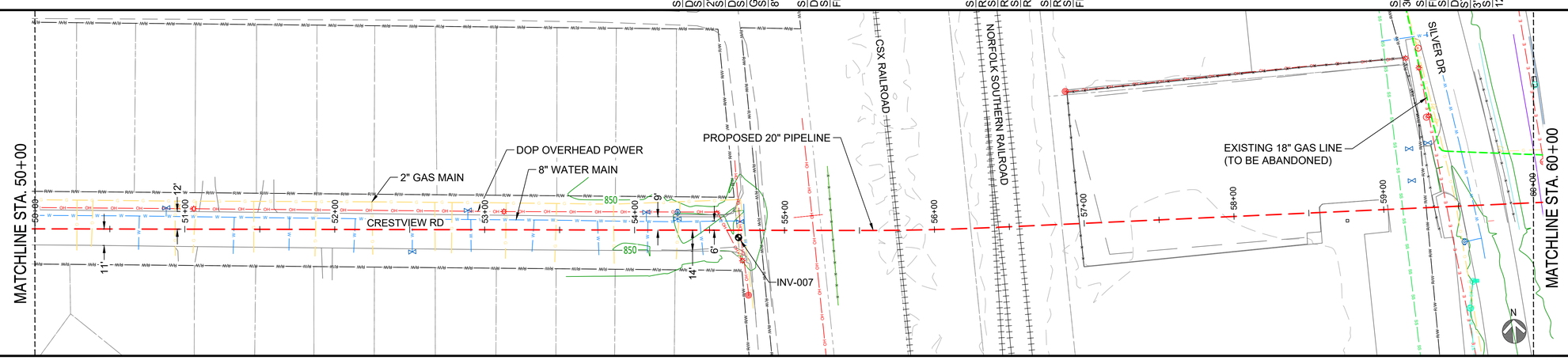
OWNERSHIP	CITY OF COLUMBUS	HAWKS NEST	NEW YORK CENTRAL LINES	PENNSYLVANIA LINES LLC	NORFOLK SOUTHERN RR CO	SILVER PARTNERS LLC	FEDERAL HIGHWAY ADMINISTRATION	
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY	010-048622-00	CITY OF COLUMBUS / FRANKLIN COUNTY			010-100682-00	CITY OF COLUMBUS / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX							
DESIGN INFORMATION	CLASS IV / 190 PSIG							
CONSTRUCTION METHOD	HDD							
MATERIALS	1,000' (4)							

STA. 50+00 — STA. 60+00

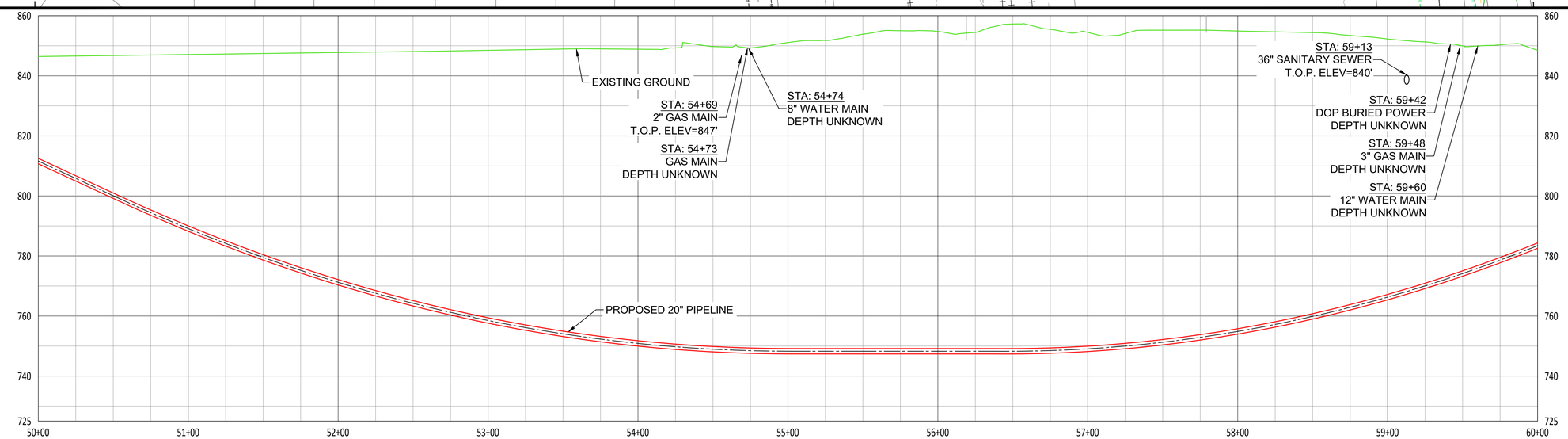
HORIZONTAL STATIONING

STA: 54+61 DOP OVERHEAD POWER
STA: 54+69 2" GAS MAIN
STA: 54+71 DOP OVERHEAD POWER
STA: 54+73 GAS MAIN
STA: 54+74 8" WATER MAIN
STA: 55+19 DOP OVERHEAD POWER
STA: 55+32 FENCE LINE
STA. 56+40 RAILROAD CENTERLINE
STA. 56+43 RAILROAD CENTERLINE
STA. 56+57 RAILROAD CENTERLINE
STA. 55+76 RAILROAD CENTERLINE
STA: 56+97 FENCE LINE
STA: 59+13 36" SANITARY SEWER
STA. 59+34 FENCE LINE
STA: 59+42 DOP BURIED POWER
STA: 59+48 3" GAS MAIN
STA: 59+60 12" WATER MAIN

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
4. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

2/9/2021 - 22 x 34

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	-
4	20" XH PIPE X-52 FBE/ARO	1000'
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	-
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	-
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:

INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

20" PIPELINE ALIGNMENT
STA 50+00 TO STA 60+00

DRAWING NO:

L-06

OWNERSHIP	FEDERAL HIGHWAY ADMINISTRATION		CITY OF COLUMBUS	
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY			
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX			
DESIGN INFORMATION	CLASS IV / 190 PSIG			
CONSTRUCTION METHOD	HDD	OPEN CUT / OCD-19	OPEN CUT / OCD-15	
MATERIALS	229' (4)	(20) (7) (7) (8) (7)(7)	(3) 471'	

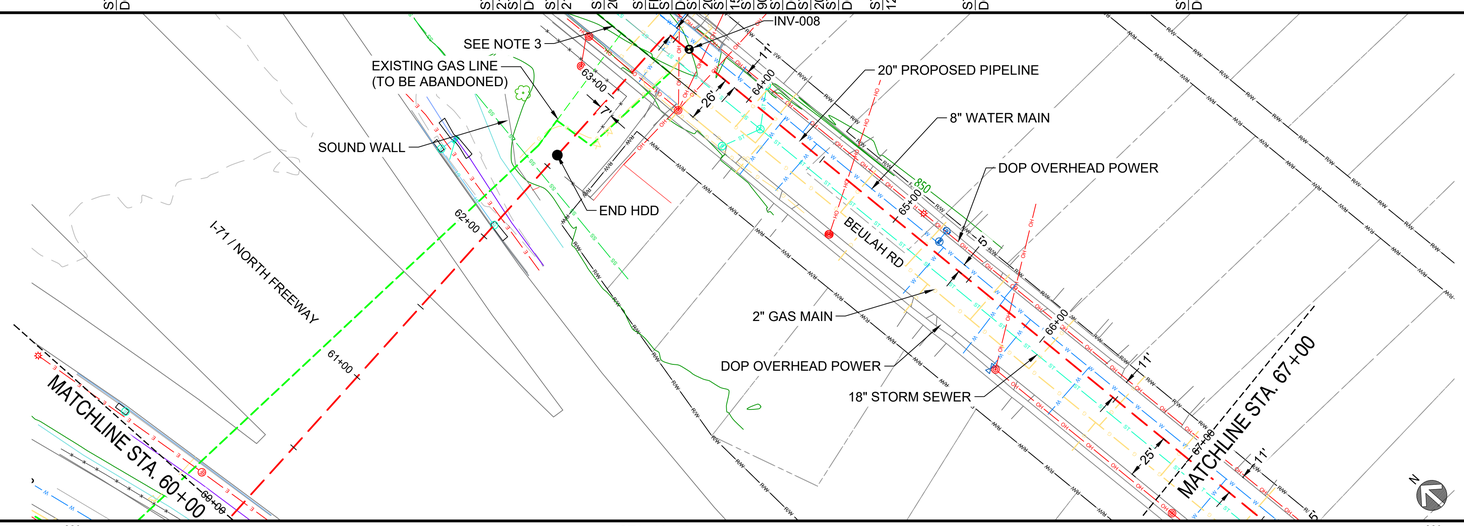
STA. 60+00

STA. 67+00

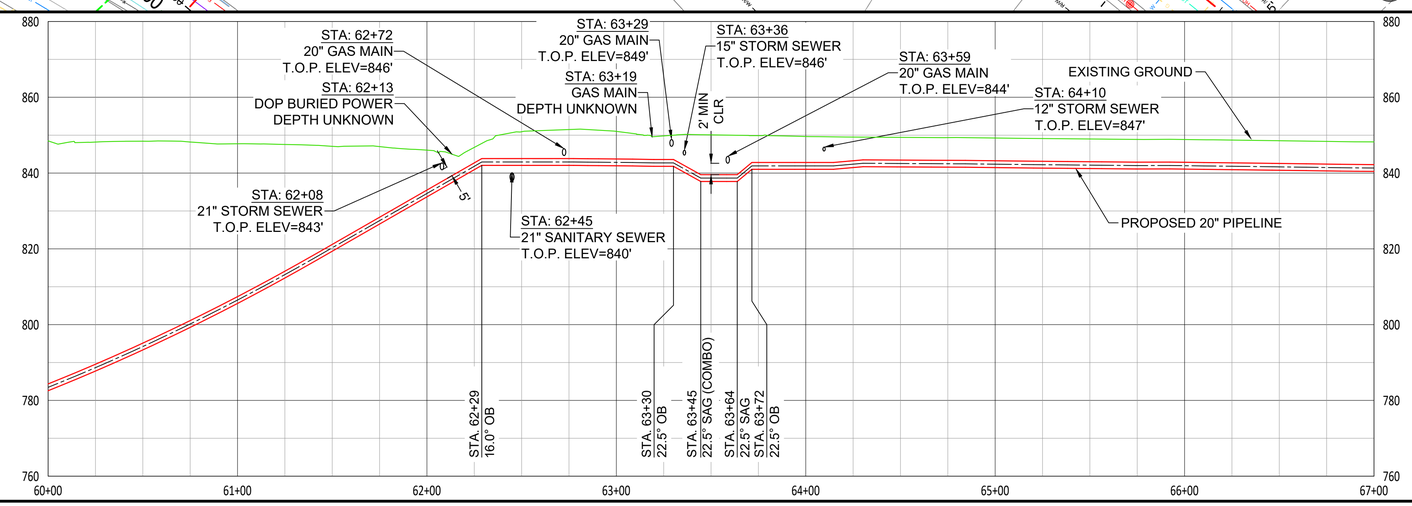
HORIZONTAL STATIONING

STA: 60+11 DOP BURIED POWER
STA: 62+08 21" STORM SEWER
STA: 62+13 DOP BURIED POWER
STA: 62+45 21" SANITARY SEWER
STA: 62+72 20" GAS MAIN
STA: 63+05 FENCE LINE
STA: 63+17 DOP OVERHEAD POWER
STA: 63+29 20" GAS MAIN
STA: 63+36 15" STORM SEWER
STA: 63+45 90.0" RB (COMBO)
STA: 63+53 DOP OVERHEAD POWER
STA: 63+59 20" GAS MAIN
STA: 63+76 DOP OVERHEAD POWER
STA: 64+10 12" STORM SEWER
STA: 64+67 DOP OVERHEAD POWER
STA: 65+78 DOP OVERHEAD POWER

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. EXISTING 18" & 20" GAS PIPELINE LOCATIONS ARE BASED ON AS-BUILT DOCUMENT 0086650 FOR SYSTEM 34100198 AND HAVE NOT BEEN VERIFIED.
4. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
5. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN THE PROFILE FOR CLARITY
6. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	471'
4	20" XH PIPE X-52 FBE/ARO	229'
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	2
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	1
20	TRANSITION 20" x 0.375" TO 0.500"	1

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

20" PIPELINE ALIGNMENT
STA 60+00 TO STA 67+00

DRAWING NO:

L-07

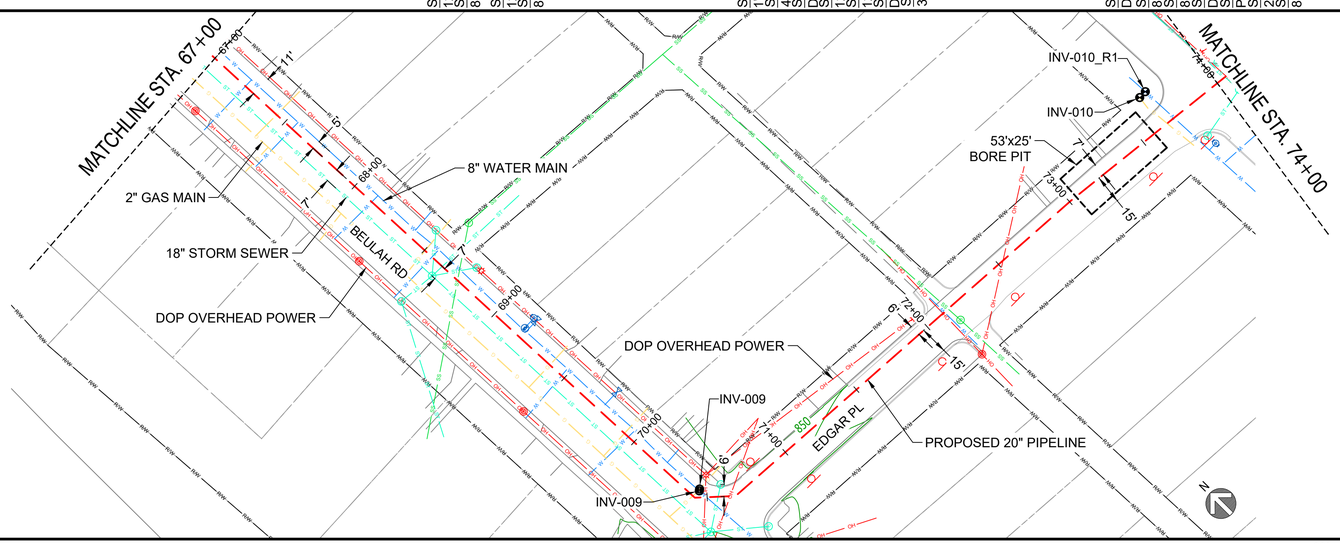
OWNERSHIP	CITY OF COLUMBUS		
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY		
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX		
DESIGN INFORMATION	CLASS IV / 190 PSIG		
CONSTRUCTION METHOD	OPEN CUT / OCD-15	OPEN CUT / OCD-08	BORE
MATERIALS	7 7 7 7	7 7 3 655' 7 7	7 7 20 4 45'

STA. 67+00 — STA. 74+00

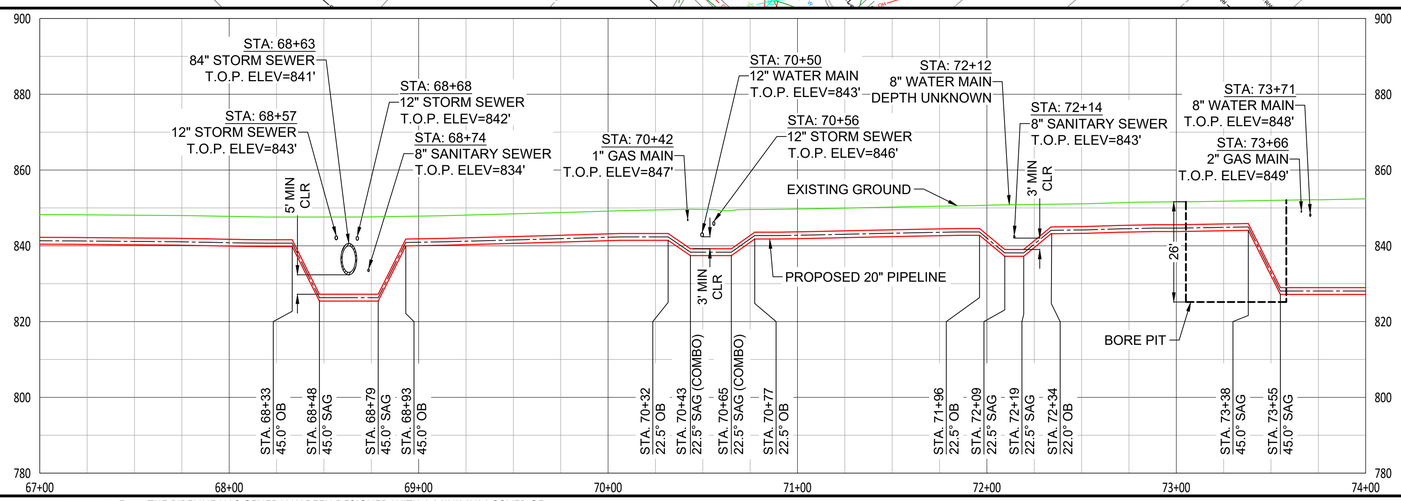
HORIZONTAL STATIONING

STA: 68+57
12" STORM SEWER
STA: 68+63
84" STORM SEWER
STA: 68+68
12" STORM SEWER
STA: 68+74
8" SANITARY SEWER
STA: 70+42
1" GAS MAIN
STA. 70+43
45.0° LB (COMBO)
STA: 70+49
DOP OVERHEAD POWER
STA: 70+50
12" WATER MAIN
STA: 70+56
12" STORM SEWER
STA: 70+62
DOP OVERHEAD POWER
STA. 70+65
39.0° LB (COMBO)
STA: 72+11
DOP OVERHEAD POWER
STA: 72+12
8" WATER MAIN
STA: 72+14
8" SANITARY SEWER
STA: 72+53
DOP OVERHEAD POWER
STA. 73+51
PI 5.0° RT
STA: 73+66
2" GAS MAIN
STA: 73+71
8" WATER MAIN

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN THE PROFILE FOR CLARITY
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

2/9/2021 - 22 x 34

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	655'
4	20" XH PIPE X-52 FBE/ARO	45'
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	11
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	-
20	TRANSITION 20" x 0.375" TO 0.500"	1

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 67+00 TO STA 74+00

DRAWING NO:
L-08

OWNERSHIP		CITY OF COLUMBUS			
JURISDICTION / PARCEL ID		CITY OF COLUMBUS / FRANKLIN COUNTY			
TEST PRESSURE MIN/MAX		285 PSIG MIN / 500 PSIG MAX			
DESIGN INFORMATION	STA. 74+00	CLASS IV / 190 PSIG			STA. 82+00
CONSTRUCTION METHOD	BORE	OPEN CUT / OCD-16		OPEN CUT / OCD-17	
MATERIALS	(4) 47'	(20)(7)(7) (7) (7) (7) (7)		(7) (7) (3) 753' (8)	

HORIZONTAL STATIONING

STA: 74+05
72" STORM SEWER
STA: 74+06
DOP OVERHEAD POWER
STA: 74+07
12" STORM SEWER

STA: 75+71
8" SANITARY SEWER
STA: 75+79
DOP OVERHEAD POWER

STA: 77+67
45.0° RB
STA: 77+83
45.0° LB (COMBO)

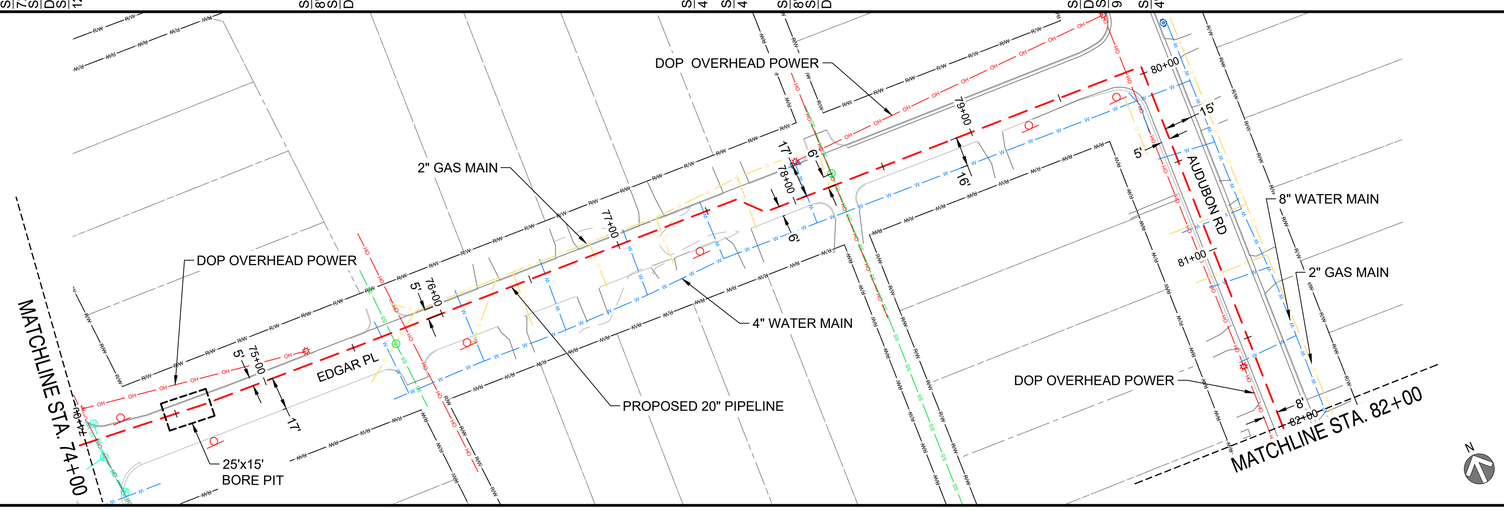
STA: 78+23
8" SANITARY SEWER
STA: 78+23
DOP OVERHEAD POWER

STA: 79+88
DOP OVERHEAD POWER
STA: 79+96
90.0° RB

STA: 80+12
4" WATER MAIN

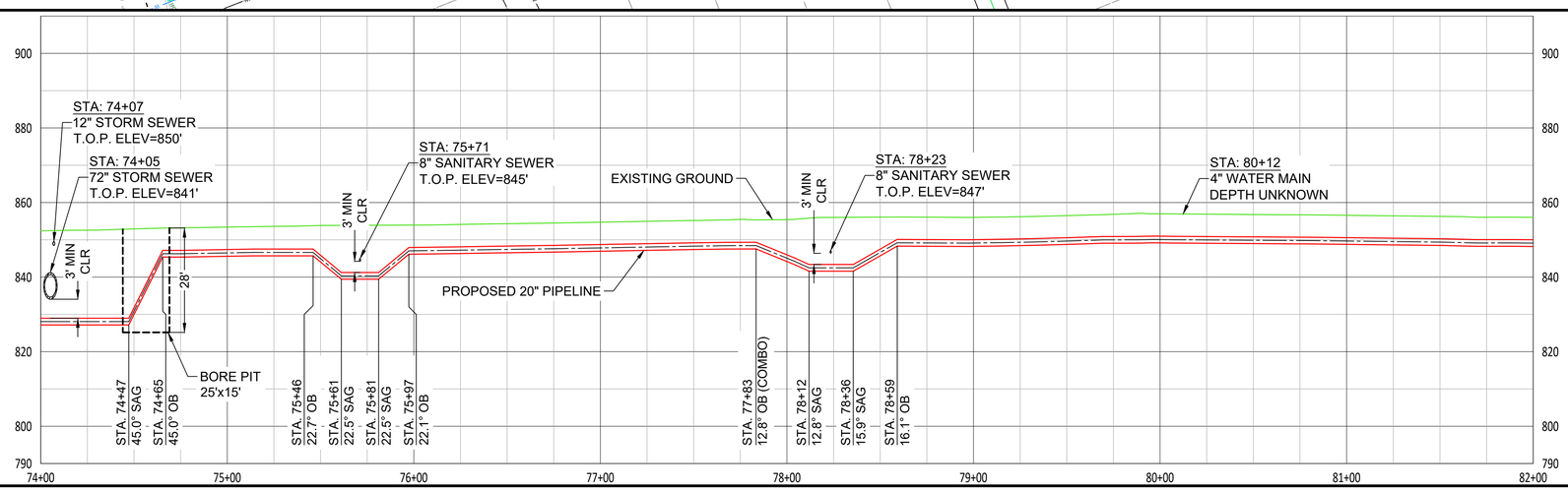
PROPOSED PLAN

SCALE: 1" = 40'



PROPOSED PROFILE

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



NOTES:

1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN THE PROFILE FOR CLARITY
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')

VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	753'
4	20" XH PIPE X-52 FBE/ARO	47'
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	8
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	1
20	TRANSITION 20" x 0.375" TO 0.500"	1

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
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A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
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AS-BUILT BY			

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

20" PIPELINE ALIGNMENT
STA 74+00 TO STA 82+00

DRAWING NO:

L-09

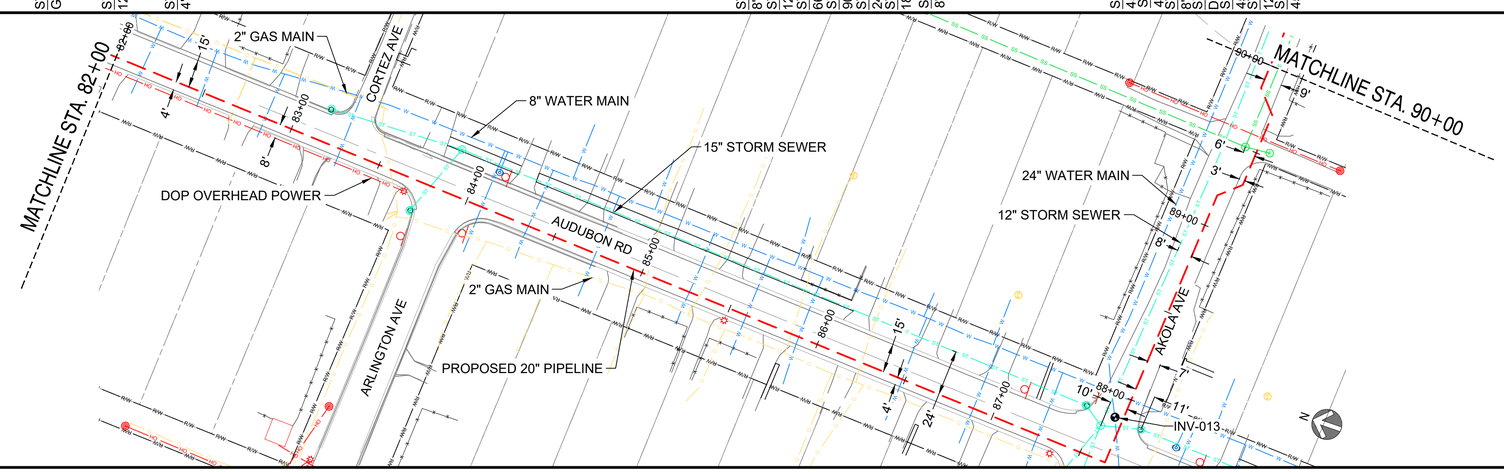
OWNERSHIP	CITY OF COLUMBUS				
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY				
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX				
DESIGN INFORMATION	CLASS IV / 190 PSIG				
CONSTRUCTION METHOD	OPEN CUT / OCD-17	OPEN CUT / OCD-02	OPEN CUT / OCD-04	OPEN CUT / OCD-02	
MATERIALS	③ 800'	⑦⑧ ⑦ ⑦	⑦⑦⑦⑦	⑦ ⑦	

STA. 82+00 — STA. 90+00

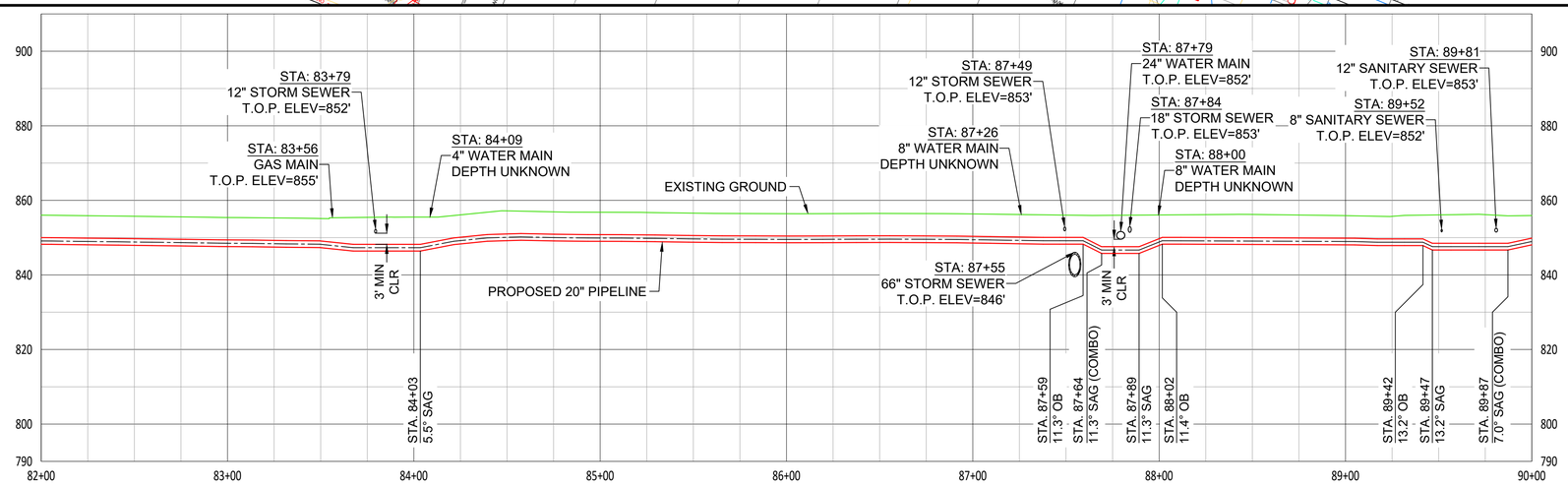
HORIZONTAL STATIONING

STA: 83+56 GAS MAIN
STA: 83+79 12" STORM SEWER
STA: 84+09 4" WATER MAIN
STA: 87+26 8" WATER MAIN
STA: 87+49 12" STORM SEWER
STA: 87+55 66" STORM SEWER
STA. 87+64 90.0° LB (COMBO)
STA: 87+79 24" WATER MAIN
STA: 87+84 18" STORM SEWER
STA: 88+00 8" WATER MAIN
STA. 89+17 45.0° RB
STA. 89+32 45.0° LB
STA: 89+52 8" SANITARY SEWER
STA: 89+58 DOP OVERHEAD POWER
STA. 89+72 45.0° LB
STA: 89+81 12" SANITARY SEWER
STA. 89+87 45.0° RB (COMBO)

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSING SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	800'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	7
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	1
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
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B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
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DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 82+00 TO STA 90+00

DRAWING NO:
L-10

OWNERSHIP		CITY OF COLUMBUS
JURISDICTION / PARCEL ID		CITY OF COLUMBUS / FRANKLIN COUNTY
TEST PRESSURE MIN/MAX	STA. 90+00	285 PSIG MIN / 500 PSIG MAX
DESIGN INFORMATION		CLASS IV / 190 PSIG
CONSTRUCTION METHOD	OPEN CUT / OC-02	OPEN CUT / OC-10
MATERIALS	7 8 7 7	3 1,000'

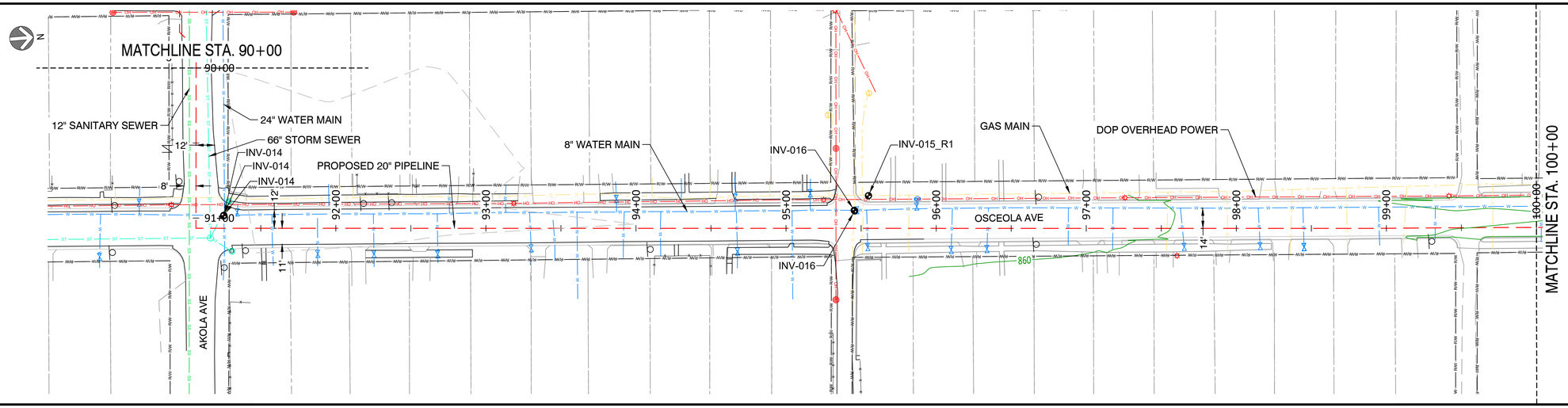
STA. 100+00

HORIZONTAL STATIONING

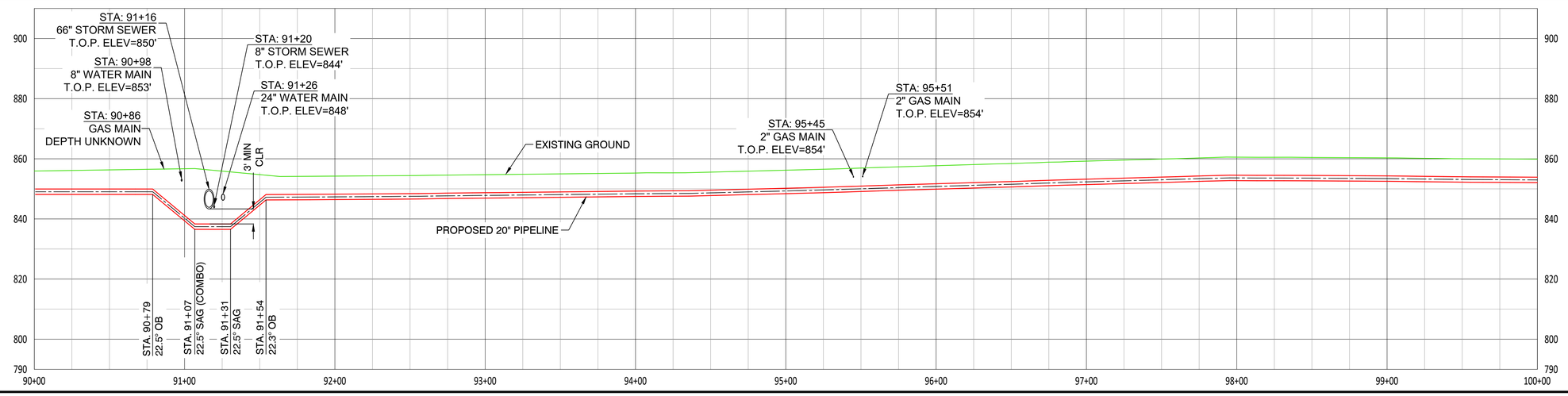
STA: 90+86
GAS MAIN
STA: 90+91
DOP OVERHEAD POWER
STA: 90+98
8" WATER MAIN
STA. 91+07
90° LB (COMBO)
STA: 91+16
66" STORM SEWER
STA: 91+20
8" STORM SEWER
STA: 91+26
24" WATER MAIN

STA: 95+33
DOP OVERHEAD POWER
STA: 95+45
2" GAS MAIN
STA: 95+51
2" GAS MAIN

PROPOSED PLAN
SCALE 1" = 40'



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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN THE SURVEY ARE NOT STATIONED OR SHOWN IN THE PROFILE FOR CLARITY
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6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	2
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	1
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
F	09/26/23	REVISED PER CLIENT COMMENTS
E	08/04/23	ISSUED FOR BID REV E
D	06/01/23	FINAL ISSUED FOR BID
C	11/18/22	RE-ISSUED FOR BID
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 90+00 TO STA 100+00

DRAWING NO:
L-11

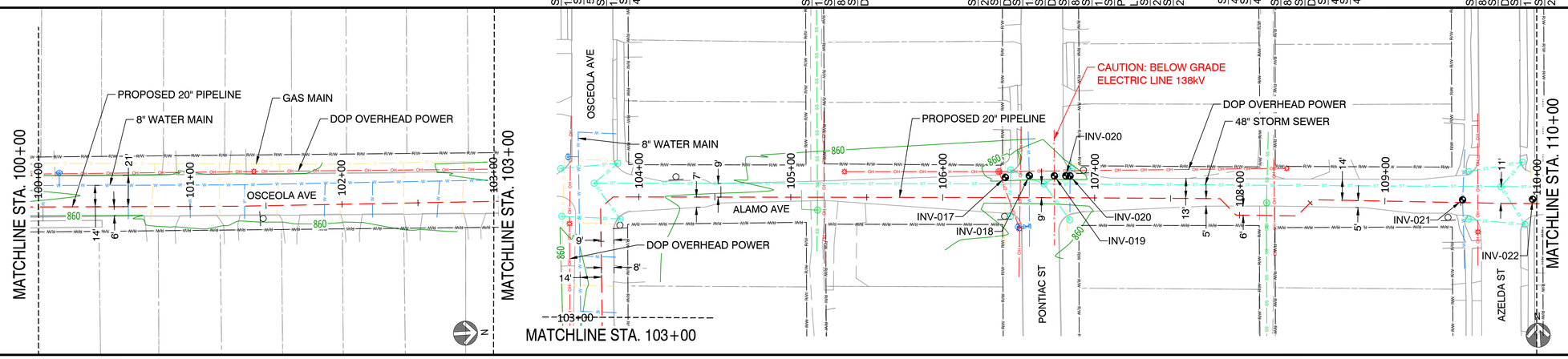
OWNERSHIP	CITY OF COLUMBUS	
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX	
DESIGN INFORMATION	CLASS IV / 190 PSIG	
CONSTRUCTION METHOD	OPEN CUT / OC-10 · OPEN CUT / OC-02 · OPEN CUT / OC-04 · OPEN CUT / OC-03	
MATERIALS	7 7 8 7 7 7 7 7 7 7 3 1,000' 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	

STA. 100+00 — STA. 110+00

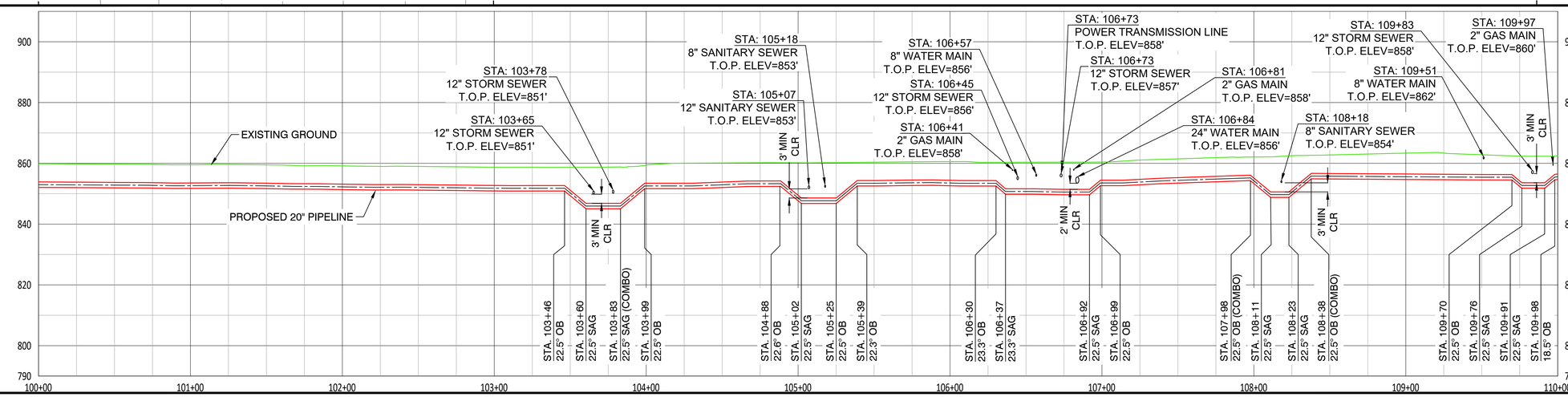
HORIZONTAL STATIONING

STA: 103+65 12" STORM SEWER STA. 103+72
STA: 103+78 50.0° RB STA: 103+78 12" STORM SEWER STA. 103+83 41.0° RB (COMBO)
STA: 105+07 12" SANITARY SEWER STA: 105+18 8" SANITARY SEWER STA: 105+22 DOP OVERHEAD POWER
STA: 106+41 2" GAS MAIN STA: 106+43 DOP OVERHEAD POWER STA: 106+45 12" STORM SEWER STA: 106+51 DOP OVERHEAD POWER STA: 106+57 8" WATER MAIN STA: 106+73 12" STORM SEWER POWER TRANSMISSION LINE STA: 106+81 2" GAS MAIN STA: 106+84 24" WATER MAIN
STA. 107+83 45.0° RB STA. 107+98 45.0° LB (COMBO) STA: 108+18 8" SANITARY SEWER STA: 108+23 DOP OVERHEAD POWER STA. 108+38 45.0° LB (COMBO) STA. 108+53 45.0° RB
STA: 109+51 8" WATER MAIN STA: 109+61 DOP OVERHEAD POWER STA: 109+83 12" STORM SEWER STA: 109+97 2" GAS MAIN

PROPOSED PLAN
SCALE: 1" = 40'



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



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2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	12
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	1
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
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PROPOSED

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AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 100+00 TO STA 110+00

DRAWING NO:
L-12

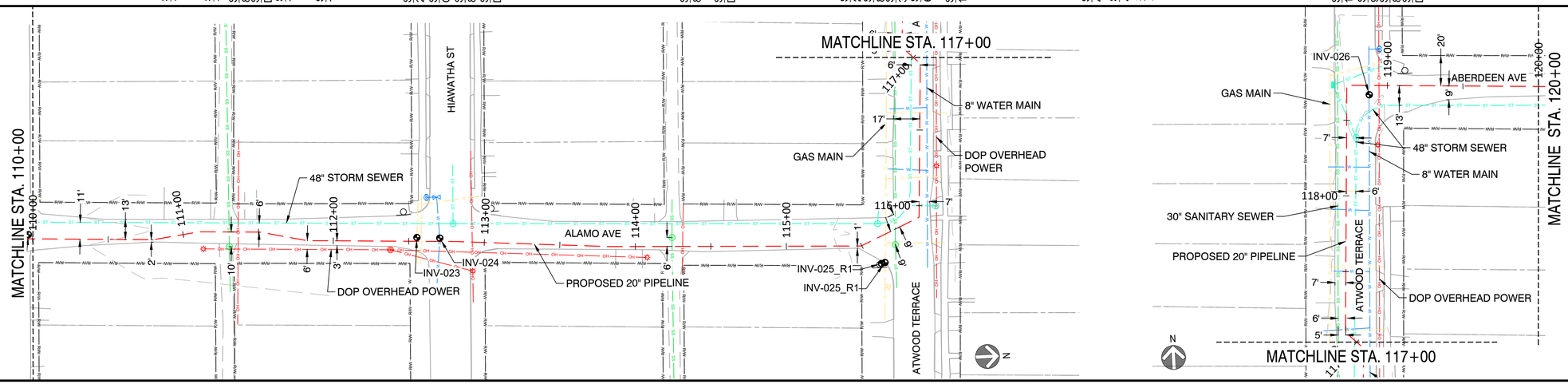
OWNERSHIP	CITY OF COLUMBUS							
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY							
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX							
DESIGN INFORMATION	CLASS IV / 190 PSIG							
CONSTRUCTION METHOD	OPEN CUT / OC-02	OPEN CUT / OC-05	OPEN CUT / OC-14	OPEN CUT / OC-13	OPEN CUT / OC-07	OPEN CUT / OC-08		
MATERIALS	7 7 7 7	3 1,000'	7	8 7	7 8 8 7	8 7 7 7		

STA. 110+00 — STA. 120+00

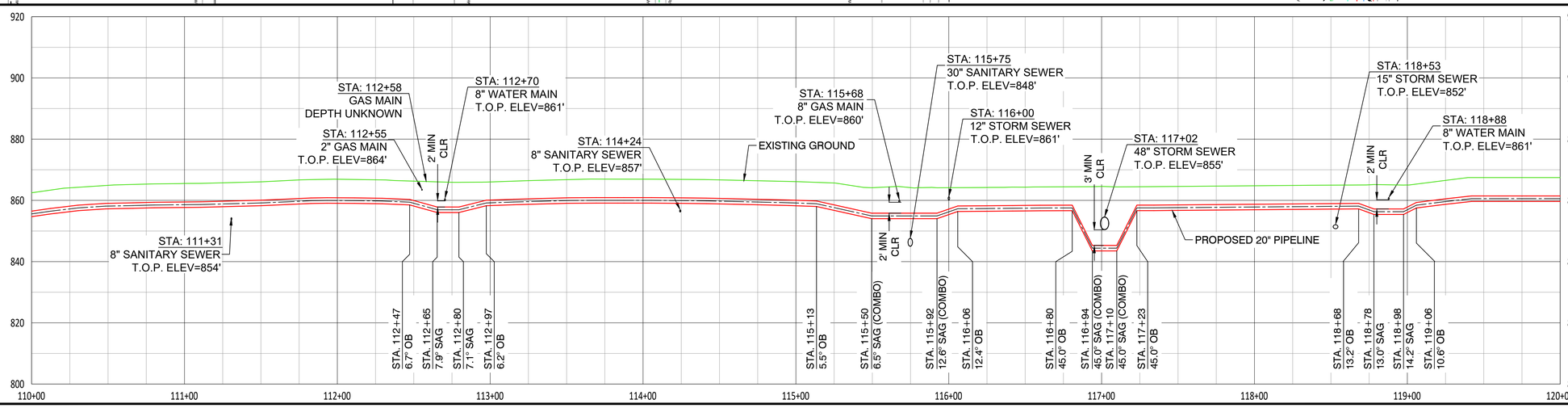
HORIZONTAL STATIONING

STA. 110+80 10.0° LB
STA. 111+11 10.0° RB
STA: 111+31 8" SANITARY SEWER
STA: 111+37' DOP OVERHEAD POWER
STA. 111+51 10.0° RB
STA. 111+83 10.0° LB
STA: 112+55 2" GAS MAIN
STA: 112+58 GAS MAIN
STA: 112+70 8" WATER MAIN
STA: 112+92 DOP OVERHEAD POWER
STA: 114+24 8" SANITARY SEWER
STA: 114+31 DOP OVERHEAD POWER
STA. 115+50 26.2° LB (COMBO)
STA: 115+68 8" GAS MAIN
STA: 115+75 30" SANITARY SEWER
STA. 115+92 63.2° LB (COMBO)
STA: 116+00 12" STORM SEWER
STA. 116+94 49.0° LB (COMBO)
STA: 117+02 48" STORM SEWER
STA. 117+10 49.0° RB (COMBO)
STA: 118+53 15" STORM SEWER
STA. 118+73 90.0° RB
STA: 118+88 8" WATER MAIN
STA: 118+94 DOP OVERHEAD POWER

PROPOSED PLAN
SCALE 1" = 40'



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



NOTES:
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2/9/2021 - 22 x 34

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NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	7
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	4
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

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CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 110+00 TO STA 120+00

DRAWING NO:
L-13

OWNERSHIP	CITY OF COLUMBUS	
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX	
DESIGN INFORMATION	CLASS IV / 190 PSIG	
CONSTRUCTION METHOD	OPEN CUT / OC-08	BORE (4) 126'	OPEN CUT/OC-12
MATERIALS	(7) (7)(7) (7) (7)(7)(7)(7) (7)(7)(7) (7) (3) 845' (7)(7)(7)(7) (7) (7) (7) (7) (7)(7)(20)	(4) 126'	(20)(7)(7)(3) 29'

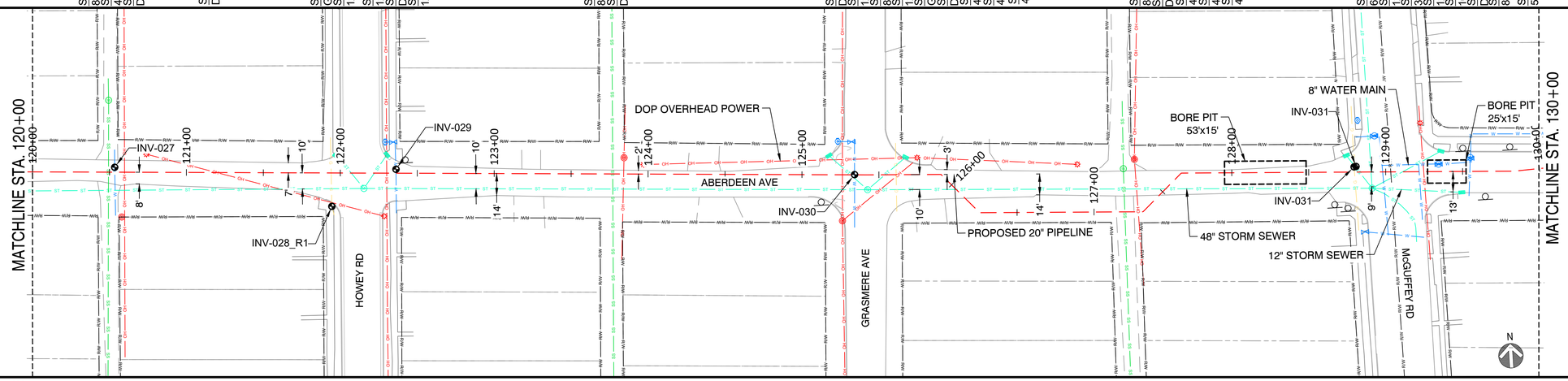
STA: 120+00 — STA: 130+00

HORIZONTAL STATIONING

STA: 120+50 8" SANITARY SEWER STA: 120+54
4" WATER MAIN STA: 120+60
DOP OVERHEAD POWER
STA: 121+20 DOP OVERHEAD POWER
STA: 121+94 GAS MAIN STA: 122+07
12" STORM SEWER
STA: 122+22 12" STORM SEWER STA: 122+30
DOP OVERHEAD POWER STA: 122+36
12" WATER MAIN
STA: 123+77 8" SANITARY SEWER STA: 123+84
DOP OVERHEAD POWER
STA: 125+26 DOP OVERHEAD POWER STA: 125+32
12" STORM SEWER STA: 125+34
8" WATER MAIN STA: 125+54
12" STORM SEWER STA: 125+61
GAS MAIN STA: 125+63
DOP OVERHEAD POWER STA: 125+90
45.0° RB STA: 126+04
48" STORM SEWER STA: 126+26
45.0° LB
STA: 127+20 8" SANITARY SEWER STA: 127+29
DOP OVERHEAD POWER STA: 127+32
45.0° LB STA: 127+53
48" STORM SEWER STA: 127+67
45.0° RB
STA: 128+80 6" GAS MAIN STA: 128+83
12" STORM SEWER STA: 128+91
36" STORM SEWER STA: 129+11
12" STORM SEWER STA: 129+22
16" WATER MAIN STA: 129+25
DOP OVERHEAD POWER STA: 129+55
8" WATER MAIN STA. 129+83
5.5° LB

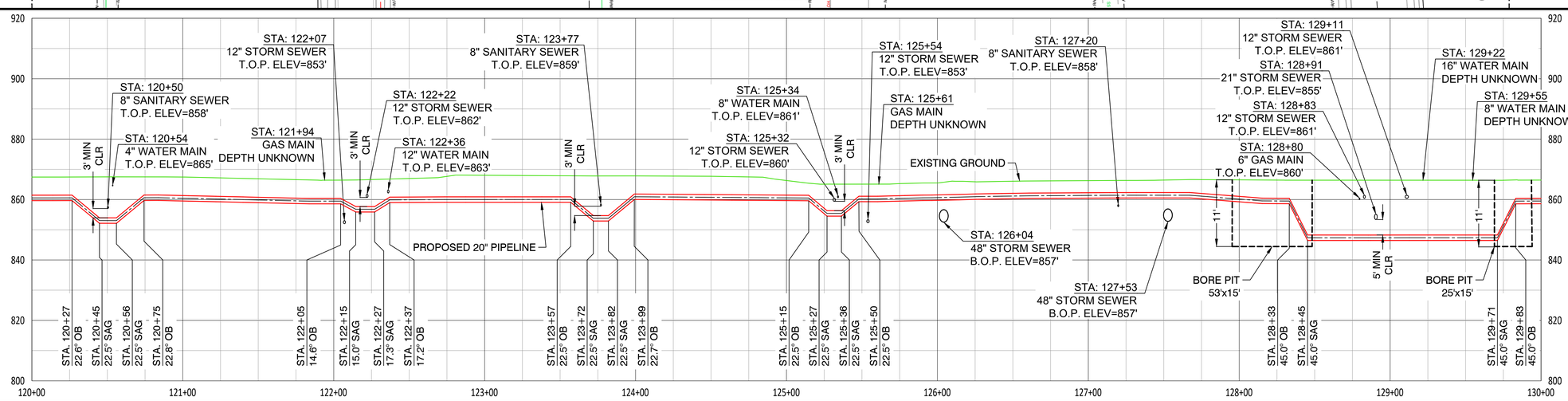
PROPOSED PLAN

SCALE: 1" = 40'



PROPOSED PROFILE

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



NOTES:

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2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	874'
4	20" XH PIPE X-52 FBE/ARO	126'
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	16
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	-
20	TRANSITION 20" x 0.375" TO 0.500"	2

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
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PROPOSED

REVISIONS

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AS-BUILT BY			

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

20" PIPELINE ALIGNMENT
STA 120+00 TO STA 130+00

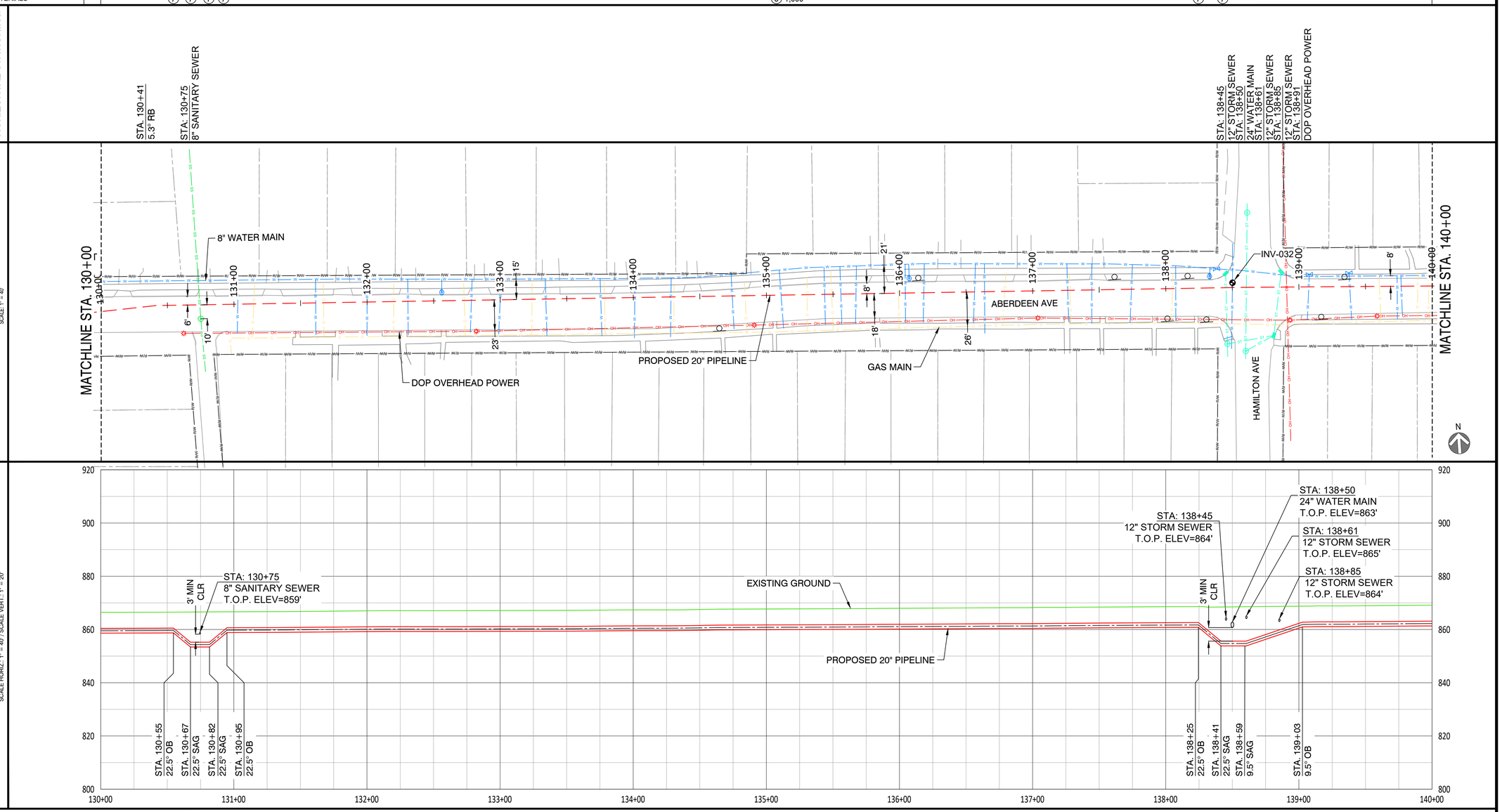
DRAWING NO:

L-14

OWNERSHIP	CITY OF COLUMBUS	
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX	
DESIGN INFORMATION	CLASS IV / 190 PSIG	
CONSTRUCTION METHOD	OPEN CUT / OC-12	OPEN CUT / OC-19
MATERIALS	7 7 7 7	3 1,000' 7 7

STA. 130+00 — STA. 140+00

HORIZONTAL STATIONING



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2/9/2021 - 22 x 34

NiSource

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MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
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ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 130+00 TO STA 140+00

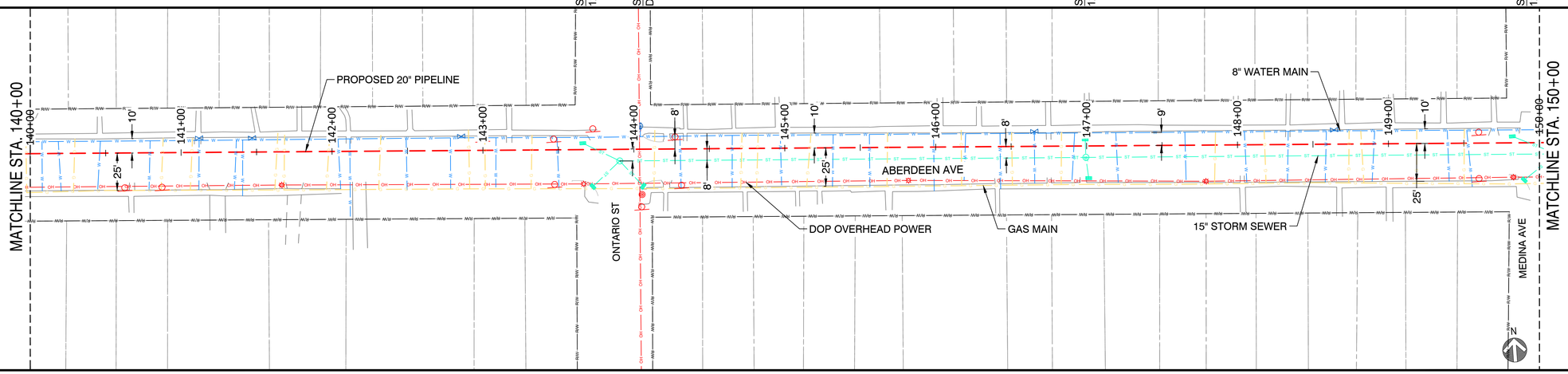
DRAWING NO:
L-15

OWNERSHIP	CITY OF COLUMBUS	
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY	
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX	
DESIGN INFORMATION	CLASS IV / 190 PSIG	
CONSTRUCTION METHOD	OPEN CUT / OC-19	
MATERIALS	③ 1,000'	

STA. 140+00 — STA. 150+00

HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'



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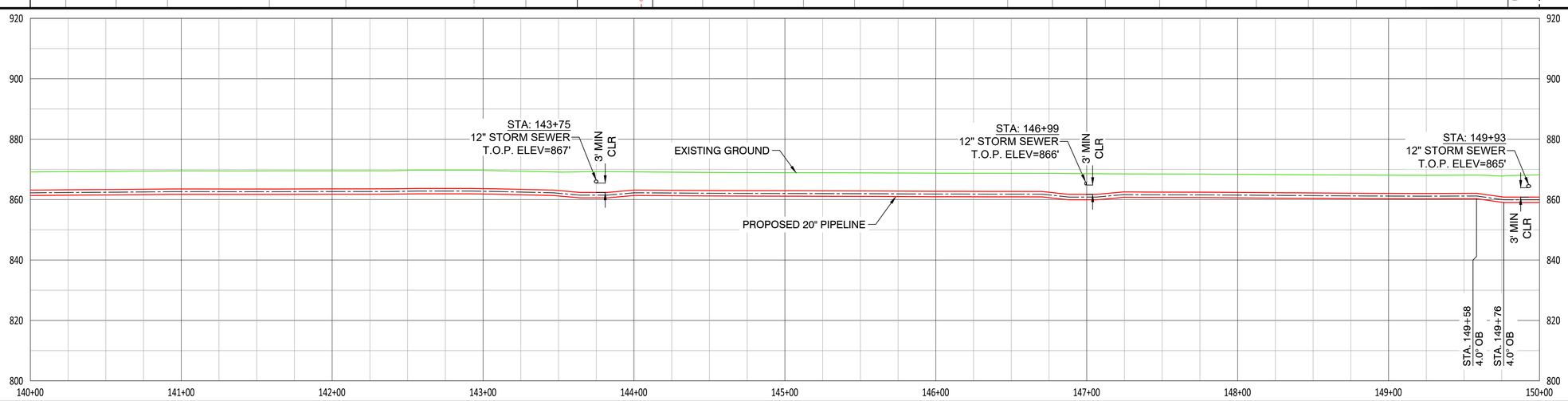

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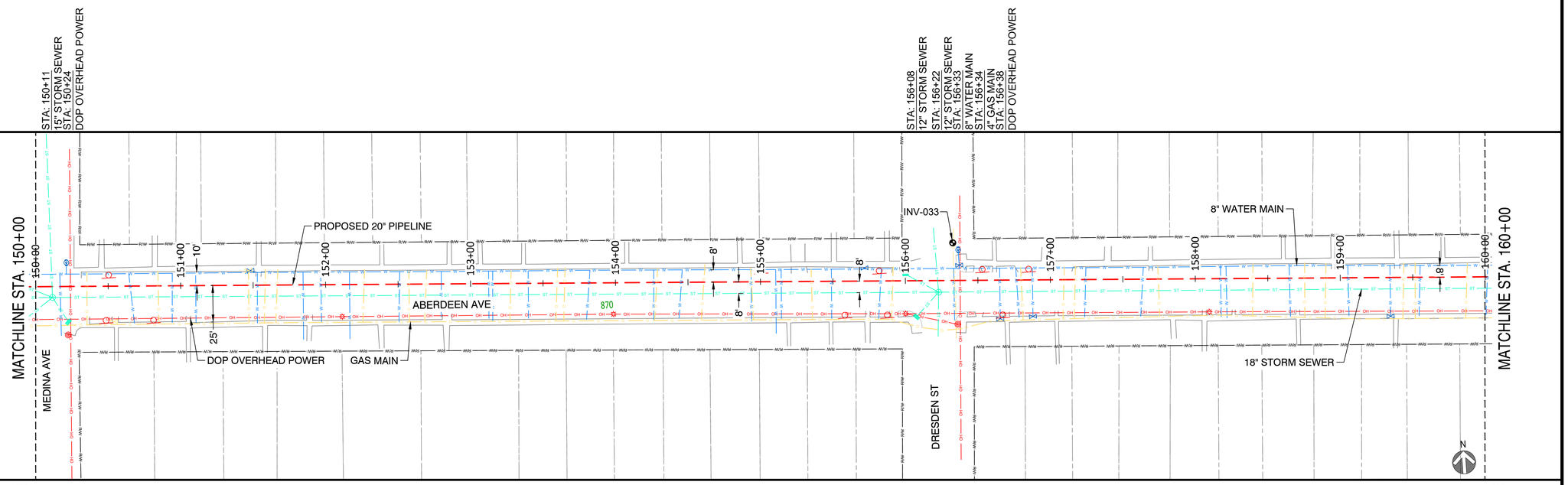
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

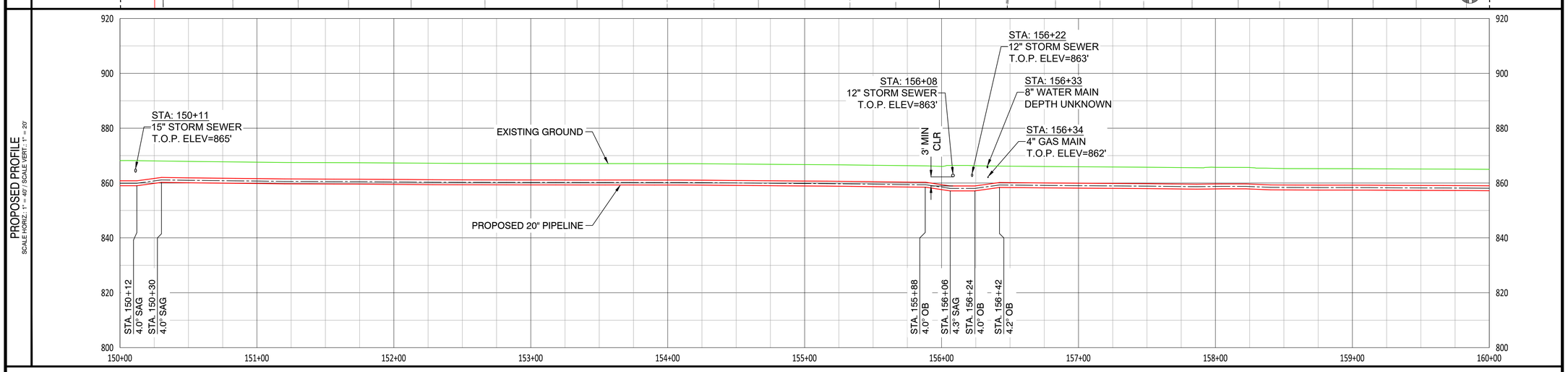
DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 140+00 TO STA 150+00

DRAWING NO:
L-16

OWNERSHIP		CITY OF COLUMBUS	
JURISDICTION / PARCEL ID	STA. 150+00	CITY OF COLUMBUS /FRANKLIN COUNTY	STA. 160+00
TEST PRESSURE MIN/MAX		285 PSIG MIN / 500 PSIG MAX	
DESIGN INFORMATION		CLASS IV / 190 PSIG	
CONSTRUCTION METHOD		OPEN CUT / OC-19	
MATERIALS		③ 1,000'	

HORIZONTAL STATIONING





NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY.
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	-
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	-
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
F	09/26/23	REVISED PER CLIENT COMMENTS
E	08/04/23	ISSUED FOR BID REV E
D	06/01/23	FINAL ISSUED FOR BID
C	11/18/22	RE-ISSUED FOR BID
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 150+00 TO STA 160+00

DRAWING NO:
L-17

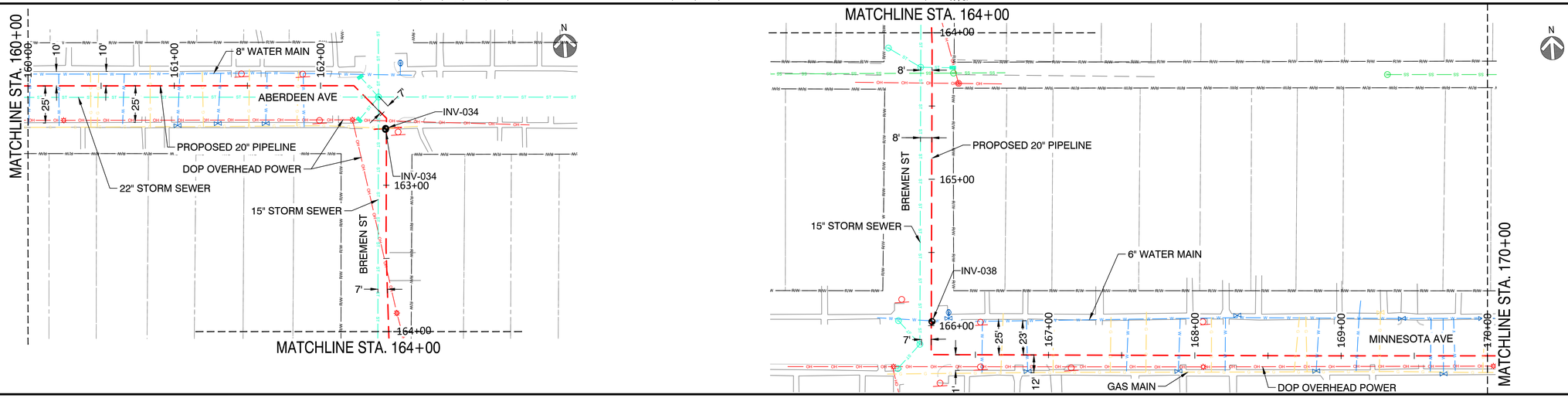
OWNERSHIP	CITY OF COLUMBUS			
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY			
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX			
DESIGN INFORMATION	CLASS IV / 190 PSIG			
CONSTRUCTION METHOD	OPEN CUT / OCD-19	OPEN CUT / OC-08	OPEN CUT / OCD-20	
MATERIALS	7 7 7 7 7 7 7 7 3 1,000' 8			

STA. 160+00 — STA. 170+00

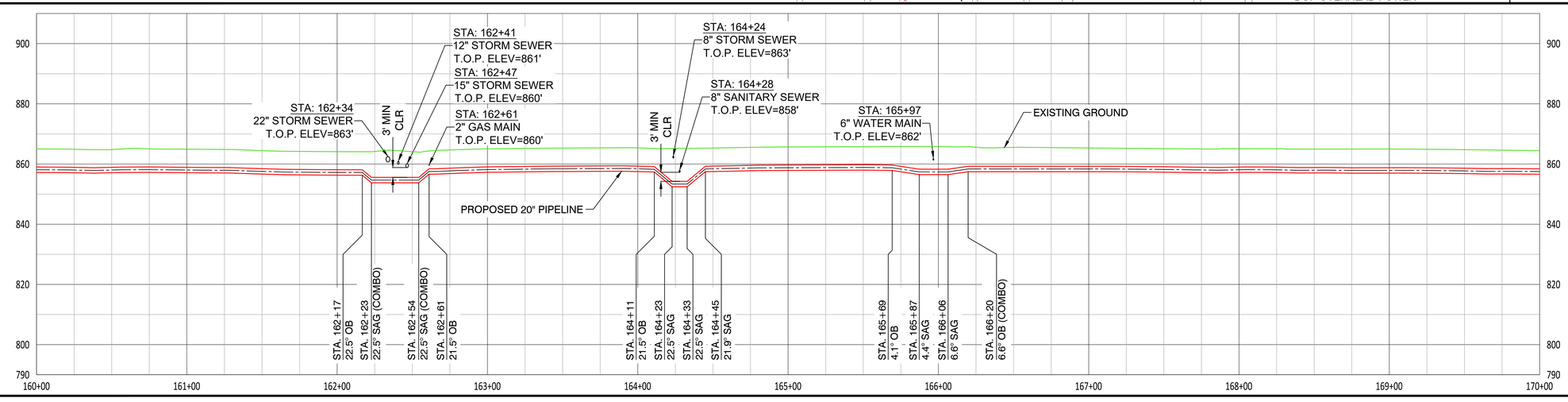
HORIZONTAL STATIONING

STA. 162+23 45.0° RB (COMBO)
STA: 162+34 22" STORM SEWER
STA: 162+41 12" STORM SEWER
STA: 162+47 15" STORM SEWER
STA. 162+54 45.0° RB (COMBO)
STA: 162+56 DOP OVERHEAD POWER
STA: 162+61 2" GAS MAIN
STA: 164+24 8" STORM SEWER
STA: 164+28 8" SANITARY SEWER
STA: 164+34 DOP OVERHEAD POWER
STA: 165+97 6" WATER MAIN
STA. 166+20 90.0° LB (COMBO)

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
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2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN THE SURVEY ARE NOT STATIONED OR SHOWN IN THE PROFILE FOR CLARITY
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	6
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	1
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
F	09/26/23	REVISED PER CLIENT COMMENTS
E	08/04/23	ISSUED FOR BID REV E
D	06/01/23	FINAL ISSUED FOR BID
C	11/18/22	RE-ISSUED FOR BID
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 160+00 TO STA 170+00

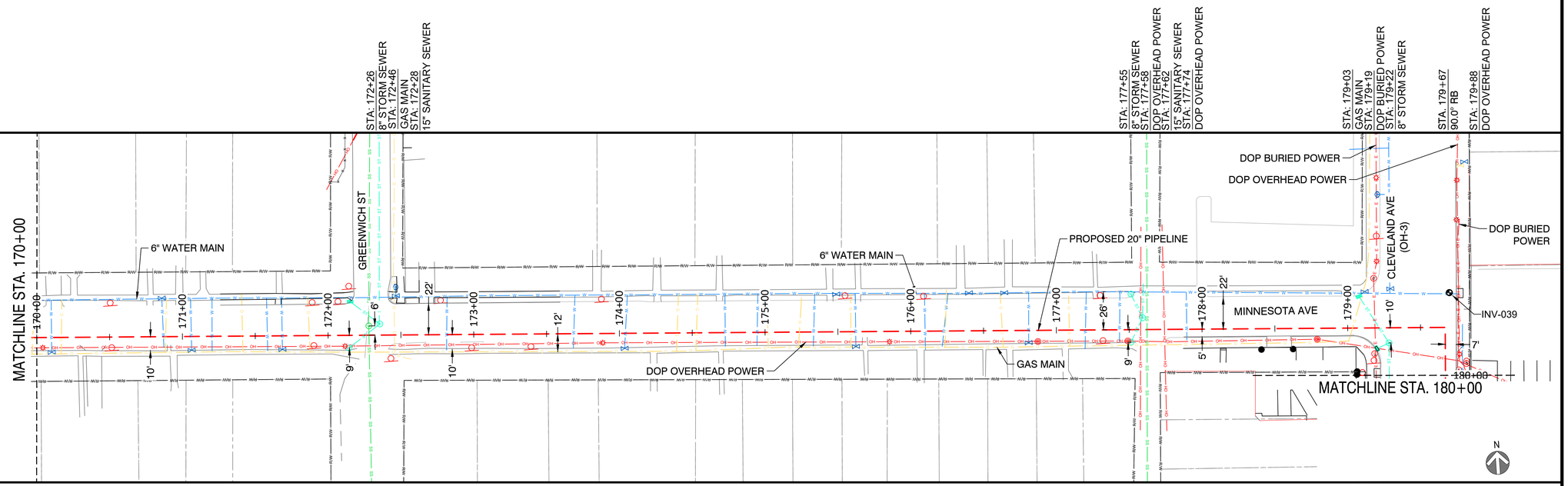
DRAWING NO:
L-18

OWNERSHIP	CITY OF COLUMBUS			OHIO DOT	
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY				
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX				
DESIGN INFORMATION	CLASS IV / 190 PSIG				
CONSTRUCTION METHOD	OPEN CUT / OC-20	OPEN CUT / OC-21	OPEN CUT / OC-20	OPEN CUT / OC-15	
MATERIALS	7 7 7 7	3 1,000'		8	

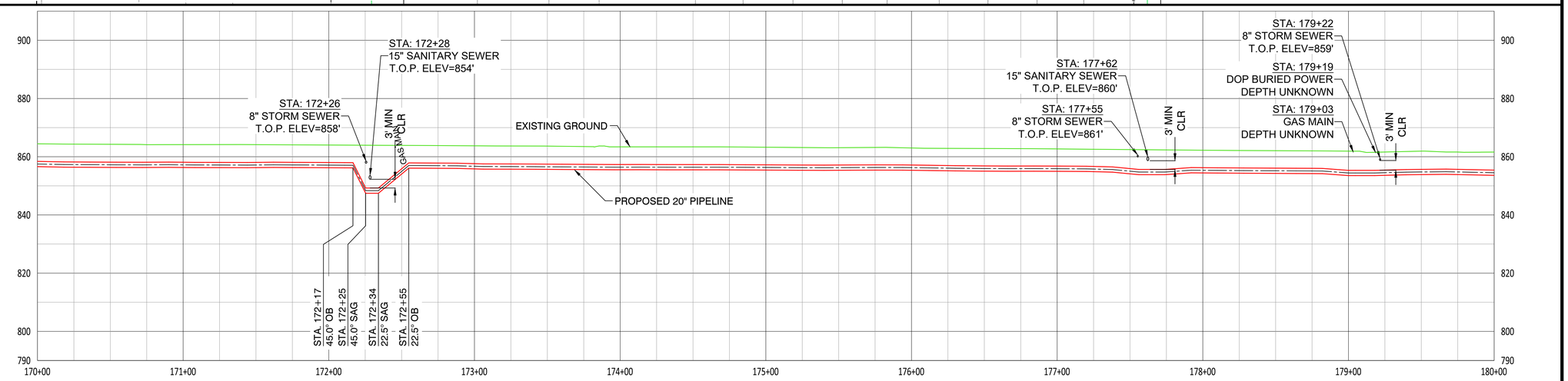
STA. 170+00 — STA. 180+00

HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
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2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	3
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	1
9	20" x 10" STD REDUCING TEE Y-52	1
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
F	09/26/23	REVISED PER CLIENT COMMENTS
E	08/04/23	ISSUED FOR BID REV E
D	06/01/23	FINAL ISSUED FOR BID
C	11/18/22	RE-ISSUED FOR BID
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
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DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 170+00 RI STA 180+00

DRAWING NO:
L-19

OWNERSHIP	OHIO DOT	CITY OF COLUMBUS			
JURISDICTION / PARCEL ID	STA. 180+00	CITY OF COLUMBUS / CLINTON TOWNSHIP / FRANKLIN COUNTY			STA. 190+00
TEST PRESSURE MIN/MAX		285 PSIG MIN / 500 PSIG MAX			
DESIGN INFORMATION		CLASS IV / 190 PSIG			
CONSTRUCTION METHOD	OPEN CUT / OCD-15	OPEN CUT / OC-07	OPEN CUT / OC-10	OPEN CUT / OC-01	
MATERIALS		⑦ ⑦ ⑧ ⑦	③ 1,000' ⑦⑦ ⑦⑦	⑧⑦⑦ ⑦⑦	

HORIZONTAL STATIONING

STA: 181+84
DOP OVERHEAD POWER
STA: 182+06
36" STORM SEWER
STA: 182+16
90.0" LB (COMBO)
STA: 182+27
DOP BURIED POWER
STA: 182+28
16" WATER MAIN
STA: 182+29
DOP OVERHEAD POWER
STA: 182+38
DOP OVERHEAD POWER

STA: 183+73
GAS MAIN
STA: 183+73
8" SANITARY SEWER
STA: 183+77
DOP OVERHEAD POWER
STA: 183+90
DoT OVERHEAD COM LINE
STA: 184+44
12" SANITARY SEWER

STA: 184+86
DOP OVERHEAD POWER
STA: 184+93
DOP OVERHEAD POWER
STA: 184+94
DOP OVERHEAD POWER
STA: 184+97
DOP OVERHEAD POWER

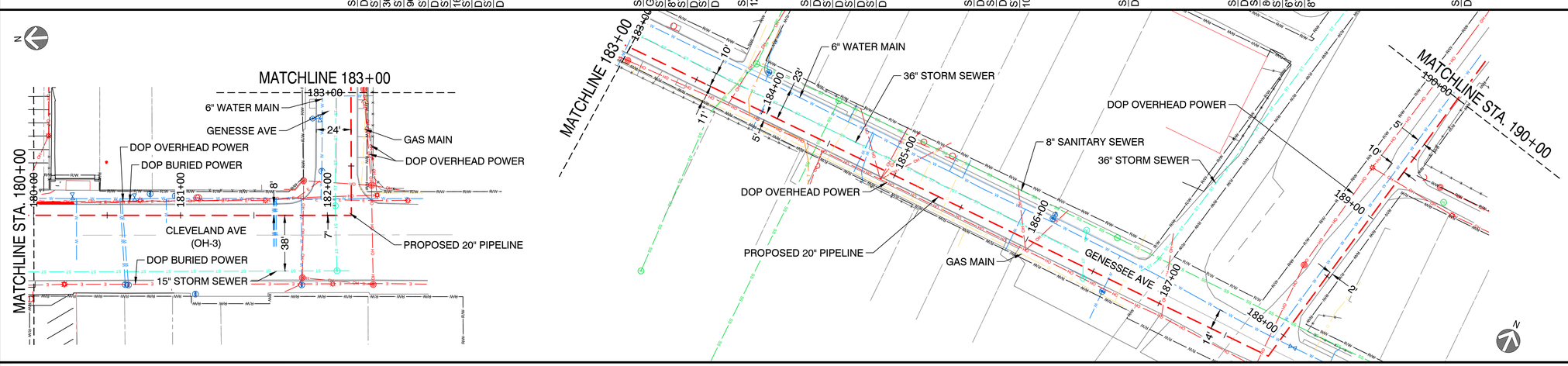
STA: 185+98
DOP OVERHEAD POWER
STA: 186+05
DOP OVERHEAD POWER
STA: 186+42
10" SANITARY SEWER

STA: 187+03
DOP OVERHEAD POWER

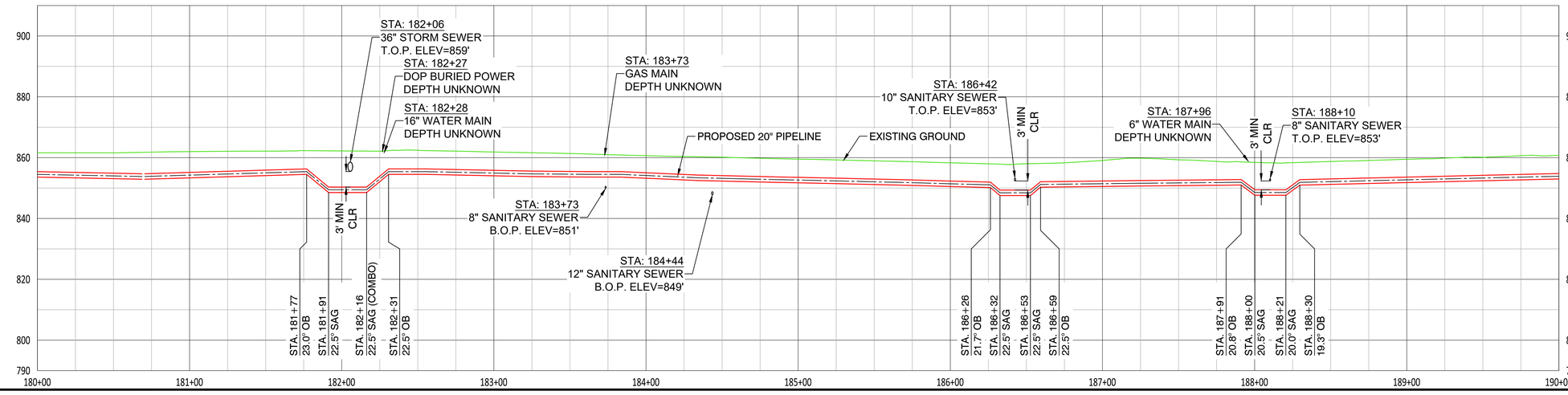
STA: 187+78
DOP OVERHEAD POWER
STA. 187+83
80.0" LB
STA: 187+96
6" WATER MAIN
STA: 188+10
8" SANITARY SEWER

STA: 189+30
DOP OVERHEAD POWER

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
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3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
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6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	6
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	2
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
F	09/26/23	REVISED PER CLIENT COMMENTS
E	08/04/23	ISSUED FOR BID REV E
D	06/01/23	FINAL ISSUED FOR BID
C	11/18/22	RE-ISSUED FOR BID
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 180+00 TO STA 190+00

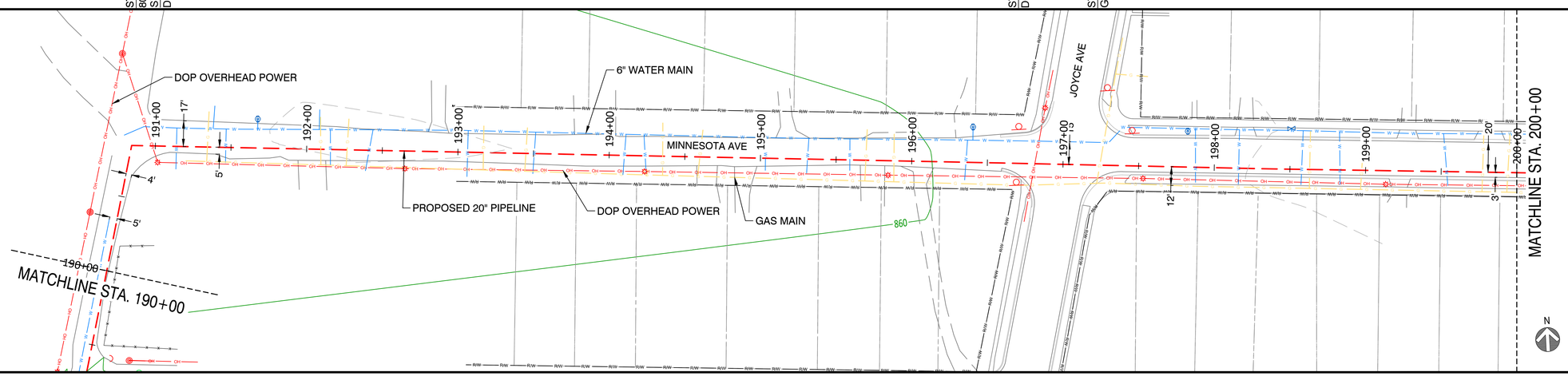
DRAWING NO:
L-20

OWNERSHIP	CITY OF COLUMBUS			
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY			
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX			
DESIGN INFORMATION	CLASS IV / 190 PSIG			
CONSTRUCTION METHOD	OPEN CUT / OC-01	OPEN CUT / OC-10	OPEN CUT / OC-11	
MATERIALS	(8)	(3) 1,000'		

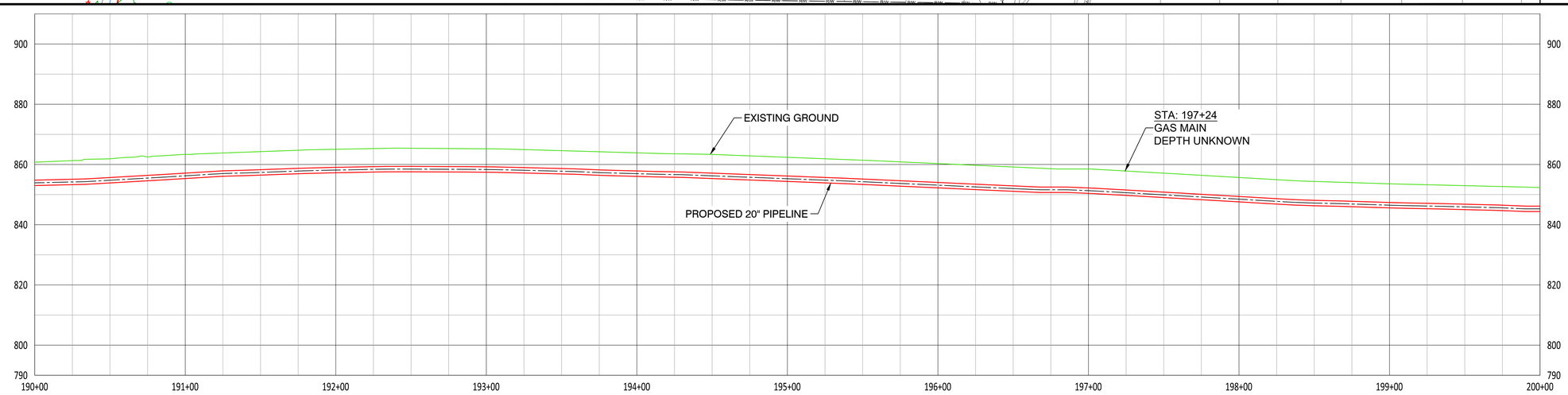
STA. 190+00 — STA. 200+00

HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
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HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	-
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	1
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
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AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPE ALIGNMENT
STA 190+00 TO STA 200+00

DRAWING NO:
L-21

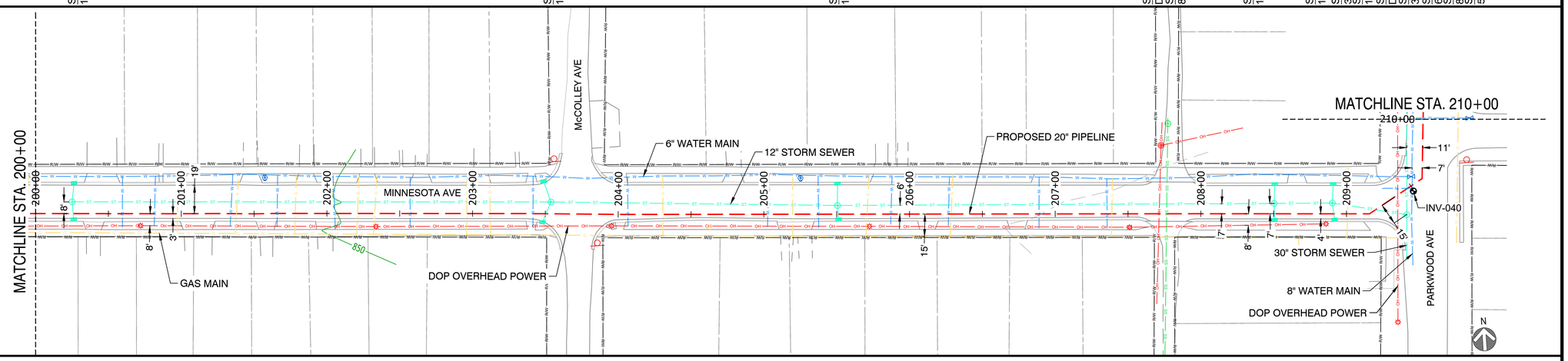
OWNERSHIP	CITY OF COLUMBUS	OHIO DOT	
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY		
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX		
DESIGN INFORMATION	CLASS IV / 190 PSIG		
CONSTRUCTION METHOD	OPEN CUT / OC-10	OPEN CUT / OC-11	
MATERIALS	7 7 7 7 7 7 3 1,000' 7 7 7 7 7 7 7 8		

STA. 200+00 — STA. 210+00

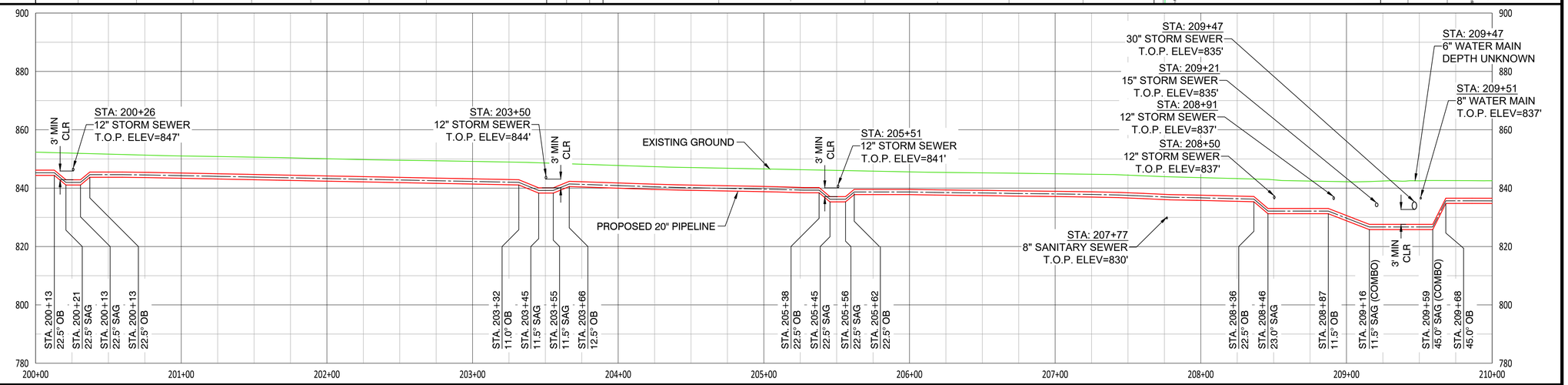
HORIZONTAL STATIONING

STA: 200+26 12" STORM SEWER
STA: 203+50 12" STORM SEWER
STA: 205+51 12" STORM SEWER
STA: 207+71 DOP OVERHEAD POWER
STA: 207+77 8" SANITARY SEWER
STA: 208+50 12" STORM SEWER
STA: 208+91 12" STORM SEWER
STA. 209+16 33.8" LB (COMBO)
STA: 209+21 15" STORM SEWER
STA: 209+39 DOP OVERHEAD POWER
STA: 209+47 30" STORM SEWER
STA: 209+47 6" WATER MAIN
STA: 209+51 8" WATER MAIN
STA: 209+59 55.2" LB (COMBO)

PROPOSED PLAN
SCALE: 1" = 40'



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



NOTES:
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2/9/2021 - 22 x 34

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	10
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	1
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS EPC
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PROPOSED

REVISIONS

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G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
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AS-BUILT BY			

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
20" PIPELINE ALIGNMENT
STA 200+00 TO STA 210+00

DRAWING NO:
L-22

OWNERSHIP	CITY OF COLUMBUS		CENTENARY UNITED METHODIST CHURCH
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / FRANKLIN COUNTY		010-038116 / 010-069550 / 010-069551 / 010-069552
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX		
DESIGN INFORMATION	CLASS IV / 190 PSIG		
CONSTRUCTION METHOD	OPEN CUT / OC-11	BORE	OPEN CUT / OC-13
MATERIALS	③ 701' ⑦ ⑧ ⑳	④ 113'	⑳ ⑦ ⑦ ③ 189' ⑧ ⑧ ⑧ ㉑

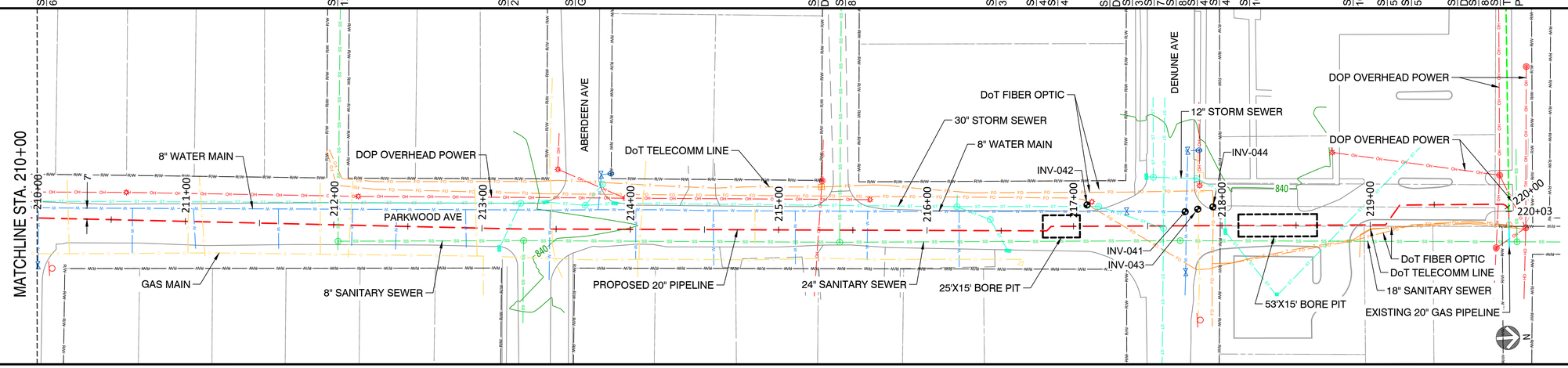
STA. 210+00 — STA. 220+03

HORIZONTAL STATIONING

STA: 210+01 6" WATER MAIN
STA: 212+03 12" SANITARY SEWER
STA: 213+18 21" STORM SEWER
STA: 213+47 GAS MAIN
STA: 215+27 DOP OVERHEAD POWER
STA: 215+41 8" SANITARY SEWER
STA: 216+47 30" STORM SEWER
STA: 216+81 45.0° LB STA. 216+85 45.0° RB (COMBO)
STA: 217+34 DoT FIBER OPTIC STA: 217+56 30" STORM SEWER STA: 217+61 74" STORM SEWER STA: 217+76 8" WATER MAIN STA: 217+85 4" GAS MAIN STA: 217+94 4" DoT FIBER OPTIC
STA: 218+02 10" STORM SEWER
STA: 218+83 10" STORM SEWER
STA. 219+10 54.2° LB STA. 219+27 54.0° RB
STA: 219+93 DOP OVERHEAD POWER STA. 219+99 87.1° RB STA: 220+03 TIE-IN TO EXISTING 20" PIPELINE

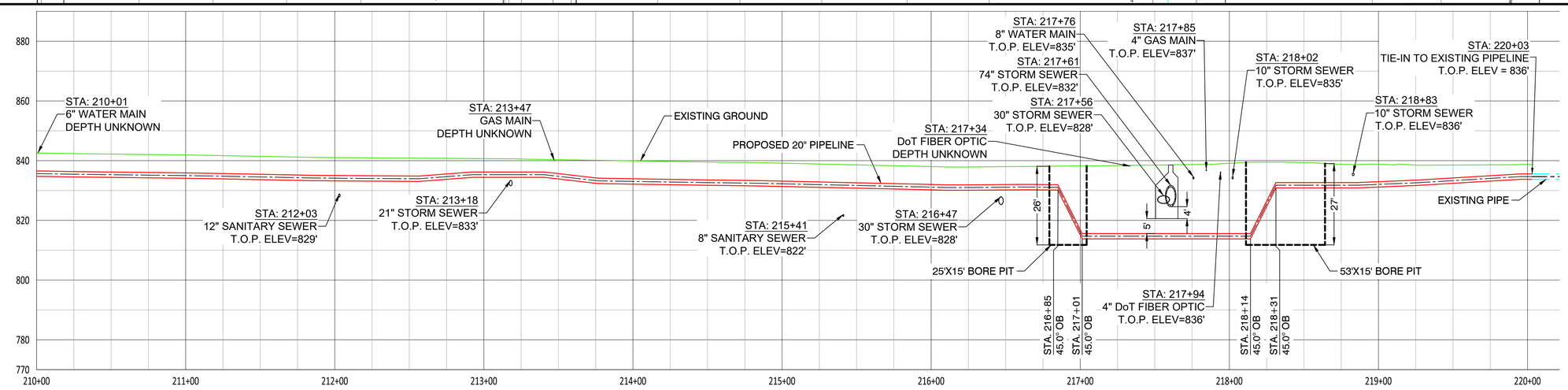
PROPOSED PLAN

SCALE: 1" = 40'



PROPOSED PROFILE

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



NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
3. SEE TD-01 TO TD-04 FOR OPEN CUT DETAILS
4. SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
5. THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A MINIMUM COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
6. VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

HORIZONTAL: 1" = 40' (40' 0' 40' 80' 120')
VERTICAL: 1" = 20' (20' 0' 20' 40' 60')

2/9/2021 - 22 x 34

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MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE	890'
4	20" XH PIPE X-52 FBE/ARO	113'
7	20" ELBOW, 45° 3R WPHY-52, SEGMT	4
8	20" ELBOW, 90° 5R WPHY-52, SEGMT	4
20	TRANSITION 20" x 0.375" TO 0.500"	2
21	TRANSITION 20" x 0.259" TO 0.375"	1

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REV. #	DATE	DESCRIPTION
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F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

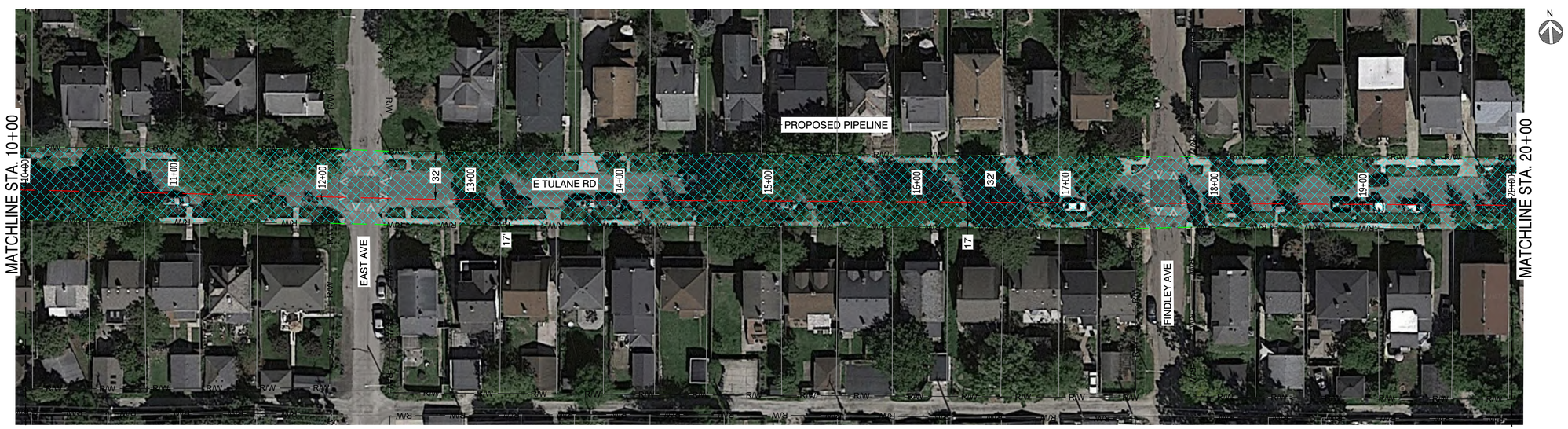
20" PIPELINE ALIGNMENT
STA 210+00 TO STA 220+03

DRAWING NO:

L-23

PROPOSED PLAN - STA. 0+00 TO STA. 10+00

SCALE: 1" = 40'



PROPOSED PLAN - STA. 10+00 TO STA. 20+00

SCALE: 1" = 40'

NOTES:

1. AERIAL IMAGERY IS FOR REFERENCE ONLY
2. WORKSPACE EXTENDS ENTIRE R.O.W. UNLESS NOTED OTHERWISE

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DRAWN BY	JEM	04/08/22	855-266-7671
CHECKED BY	JMJ	04/08/22	855-266-7671
AS-BUILT BY			

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ABAN# 22-0135587-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 0+00 to STA 20+00

DRAWING NO:

TUA-01

PROPOSED PLAN - STA. 20+00 TO STA. 30+00

SCALE: 1" = 40'

PROPOSED PLAN - STA. 30+00 TO STA. 40+00

SCALE: 1" = 40'

NOTES:

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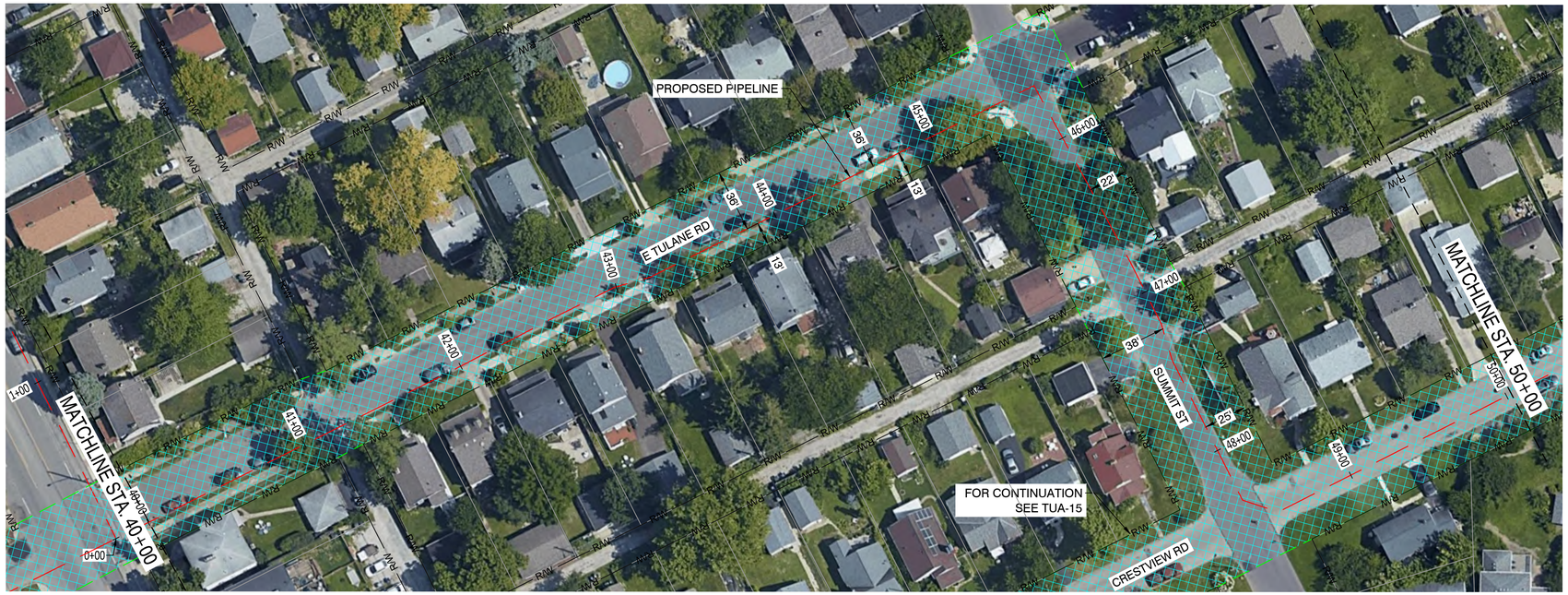
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 20+00 to STA 40+00

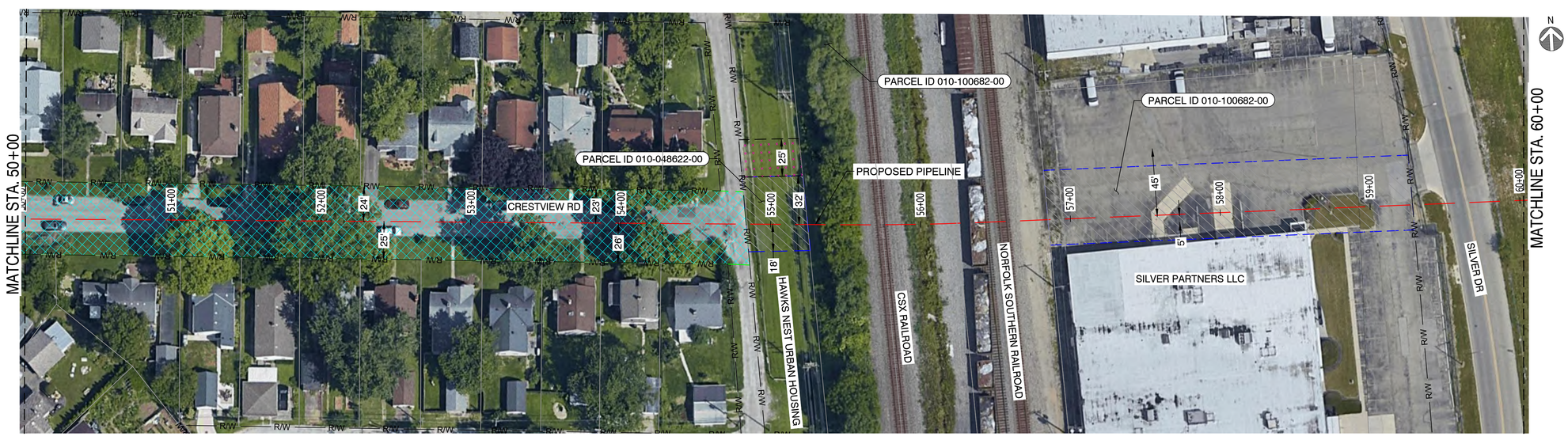
DRAWING NO:

TUA-02



PROPOSED PLAN - STA. 40+00 TO STA. 50+00

SCALE: 1" = 40'



PROPOSED PLAN - STA. 50+00 TO STA. 60+00

SCALE: 1" = 40'

NOTES:

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DESIGNED BY	JW	04/08/22	855-266-7671
DRAWN BY	JEM	04/08/22	855-266-7671
CHECKED BY	JMJ	04/08/22	855-266-7671
AS-BUILT BY			
	NAME	DATE	PHONE #

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 40+00 to STA 60+00

DRAWING NO:

TUA-03

PROPOSED PLAN - STA. 60+00 TO STA. 67+00

SCALE: 1" = 40'

PROPOSED PLAN - STA. 67+00 TO STA. 74+00

SCALE: 1" = 40'

NOTES:

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AS-BUILT BY			

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790

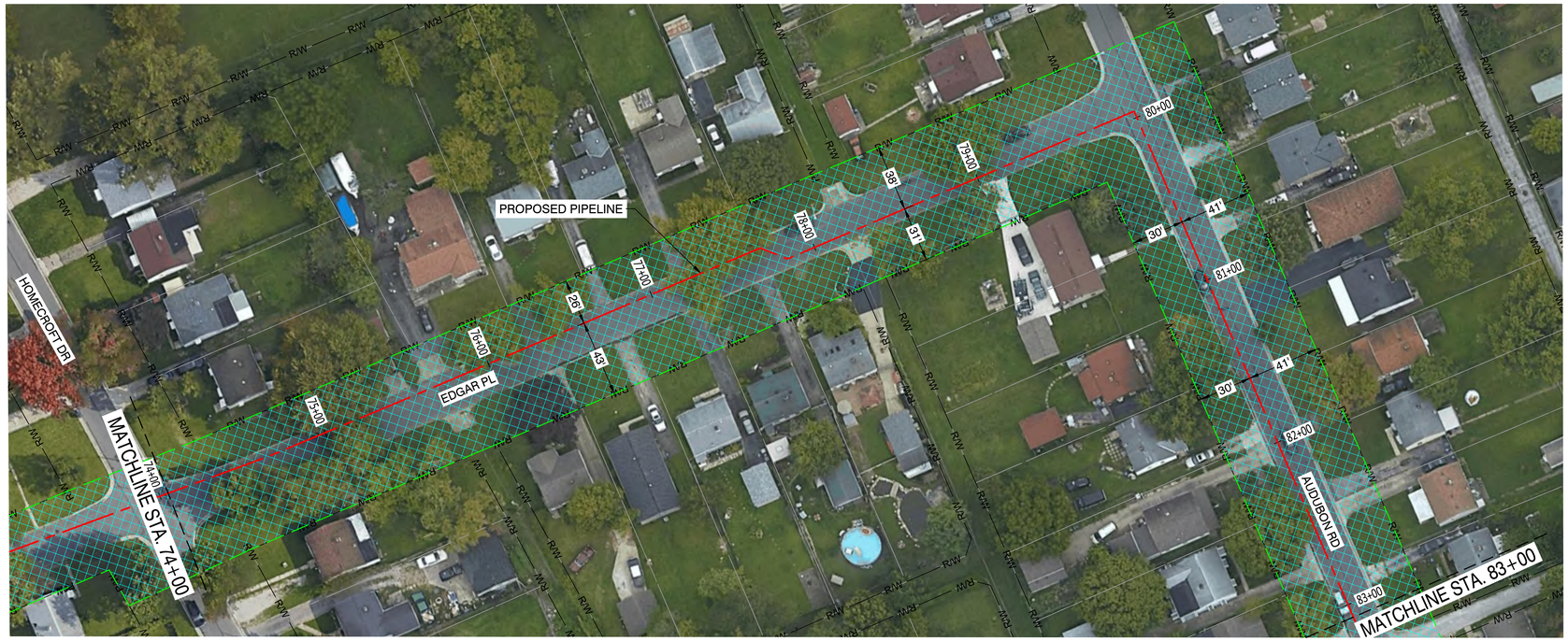
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 60+00 to STA 74+00

DRAWING NO:

TUA-04



PROPOSED PLAN - STA. 74+00 TO 83+00

SCALE: 1" = 40'

PROPOSED PLAN - STA. 83+00 TO STA. 90+00

SCALE: 1" = 40'

NOTES:

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CHECKED BY	JMJ	04/08/22	855-266-7671
AS-BUILT BY			

SITE NAME:

INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
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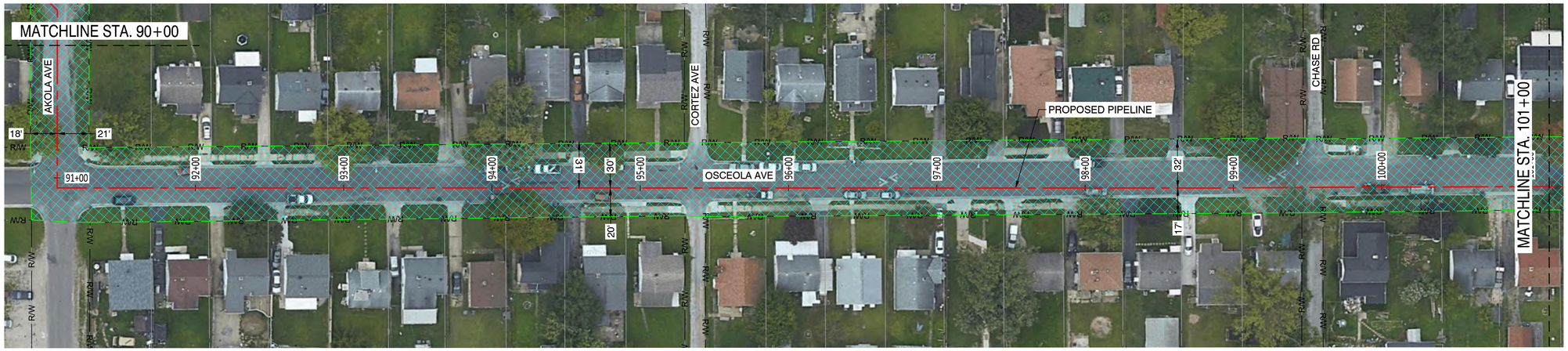
DRAWING TITLE:

TUA SHEET
STA 74+00 to STA 90+00

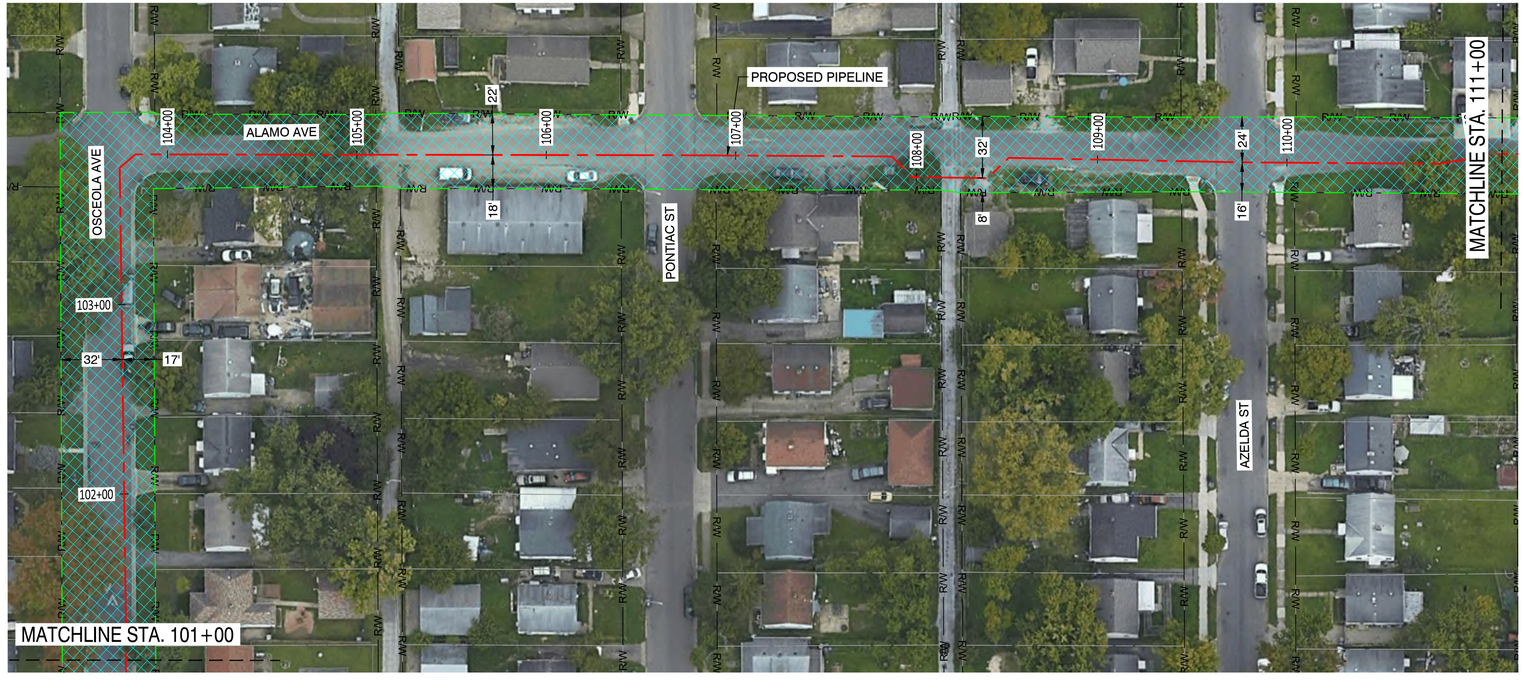
DRAWING NO:

TUA-05



PROPOSED PLAN - STA. 90+00 TO STA. 101+00

SCALE: 1" = 40'



PROPOSED PLAN - STA. 101+00 TO 111+00

SCALE: 1" = 40'

NOTES:
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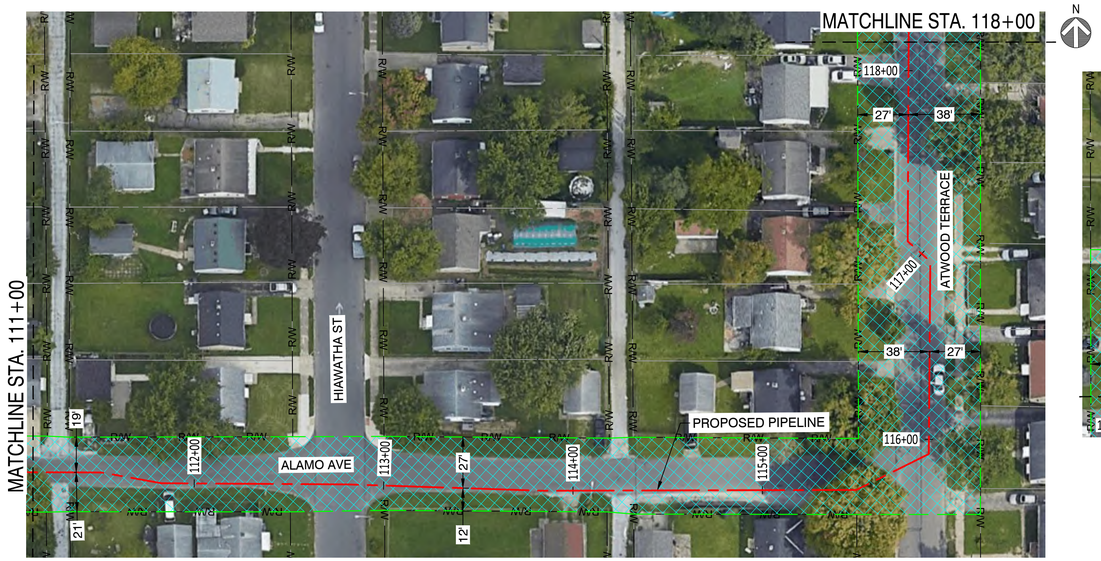
COLUMBUS, FRANKLIN COUNTY, OH

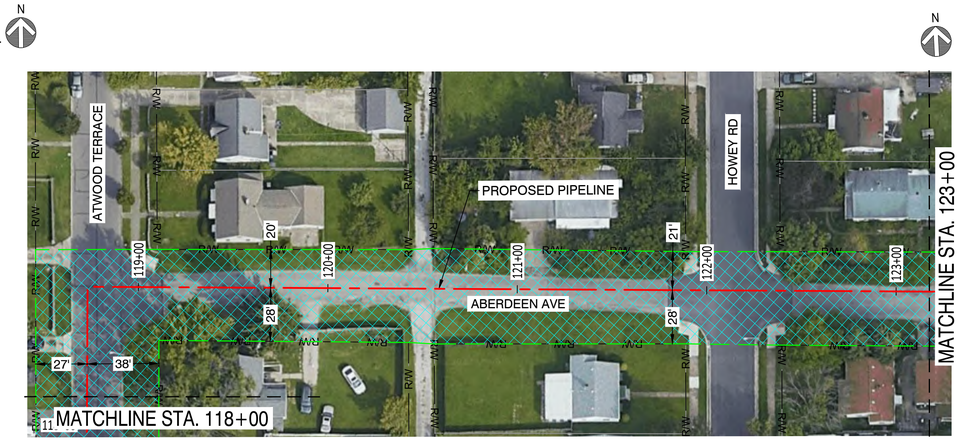
DRAWING TITLE:

TUA SHEET
STA 90+00 to STA 111+00

DRAWING NO:

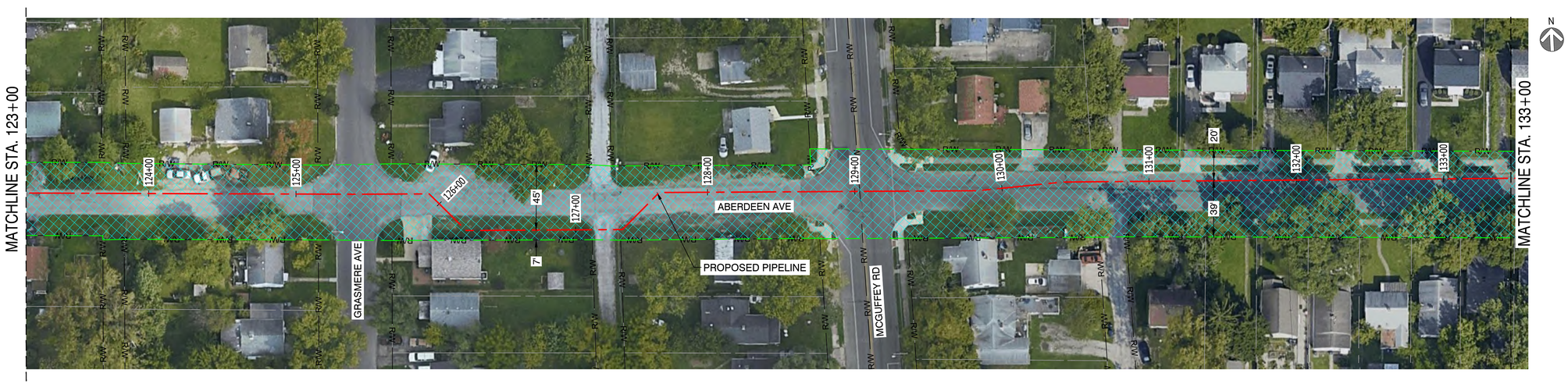
TUA-06





PROPOSED PLAN - STA. 111+00 TO STA. 123+00

SCALE: 1" = 40'



PROPOSED PLAN - STA. 123+00 TO STA. 133+00

SCALE: 1" = 40'

NOTES:
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DRAWN BY	JEM	04/08/22	855-266-7671
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AS-BUILT BY			

SITE NAME:

INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790

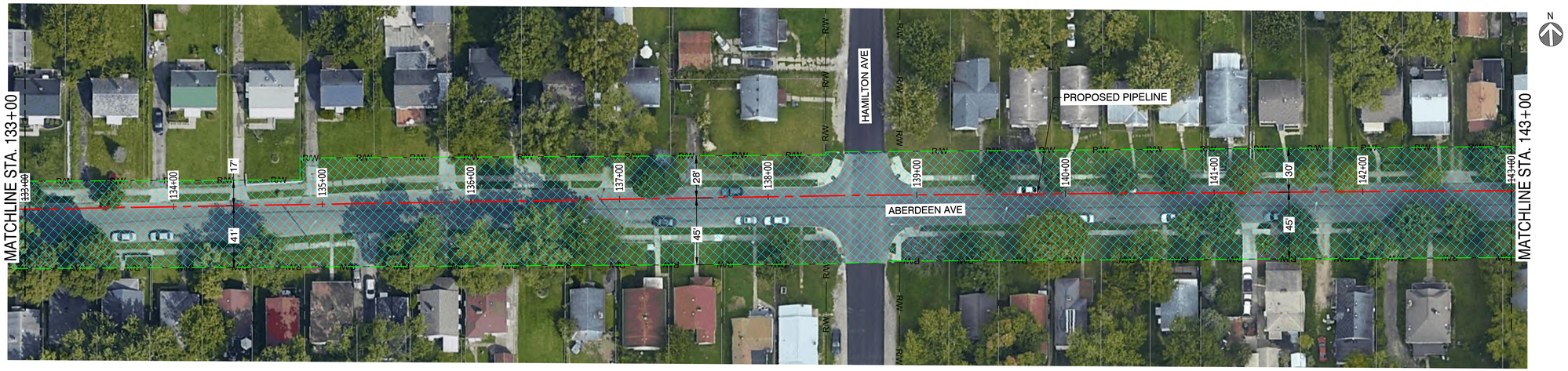
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 111+00 to STA 133+00

DRAWING NO:

TUA-07



PROPOSED PLAN - STA. 133+00 TO STA. 143+00

SCALE: 1" = 40'

PROPOSED PLAN - STA. 143+00 TO STA. 153+00

SCALE: 1" = 40'

NOTES:

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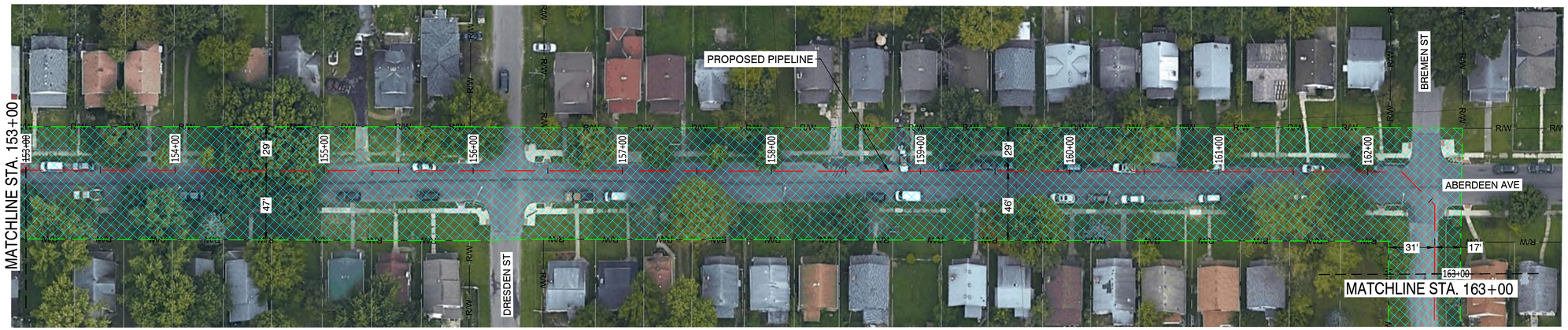
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 133+00 to STA 153+00

DRAWING NO:

TUA-08



PROPOSED PLAN - STA. 153+00 TO STA. 163+00

SCALE: 1"=40'

PROPOSED PLAN - STA. 163+00 TO STA. 174+00

SCALE: 1"=40'

NOTES:

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ABAN# 22-0083156-00
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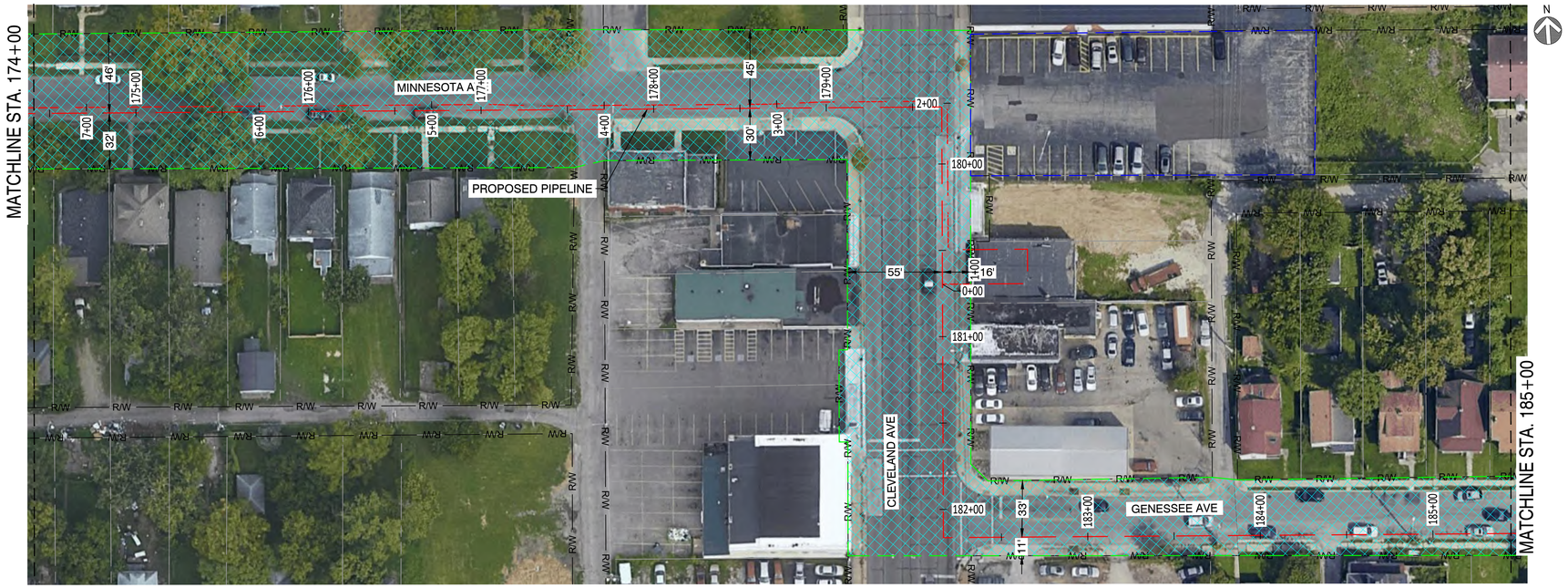
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 153+00 to STA 174+00

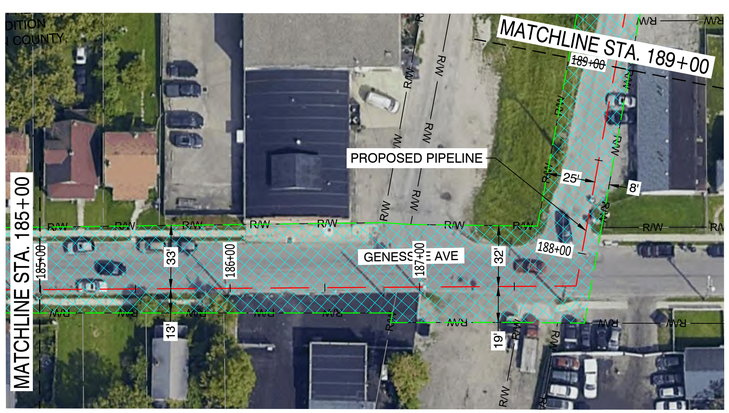
DRAWING NO:

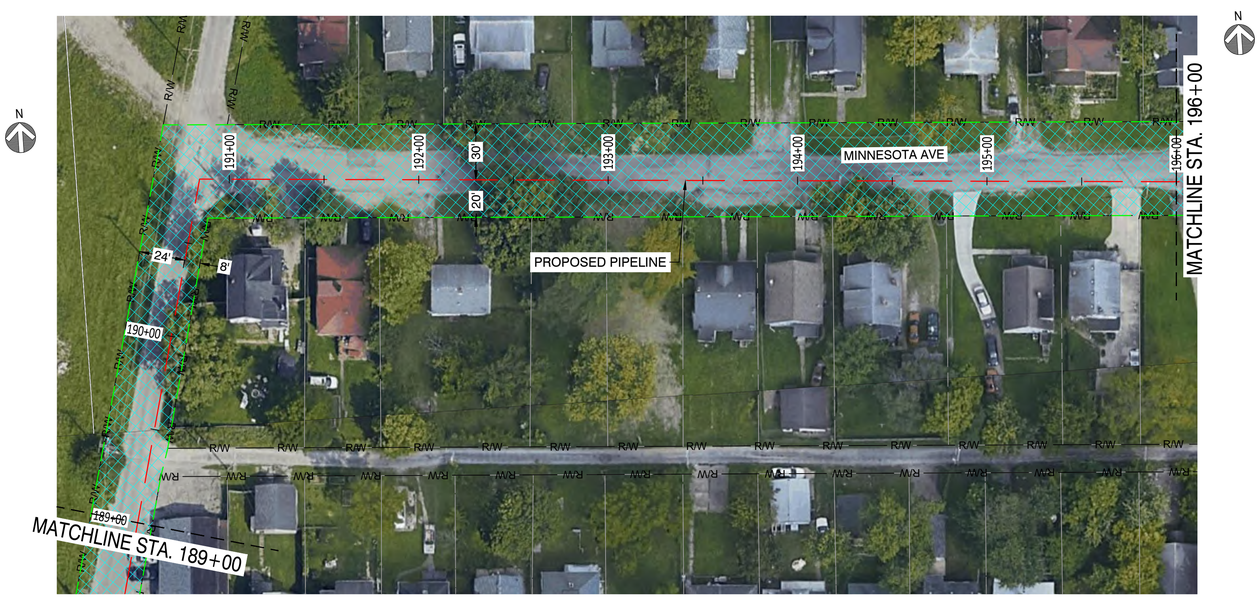
TUA-09



PROPOSED PLAN - STA. 174+00 TO STA. 185+00

SCALE: 1"=40'





PROPOSED PLAN - STA. 185+00 TO STA. 196+00

SCALE: 1"=40'

NOTES:

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SITE NAME:

INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790

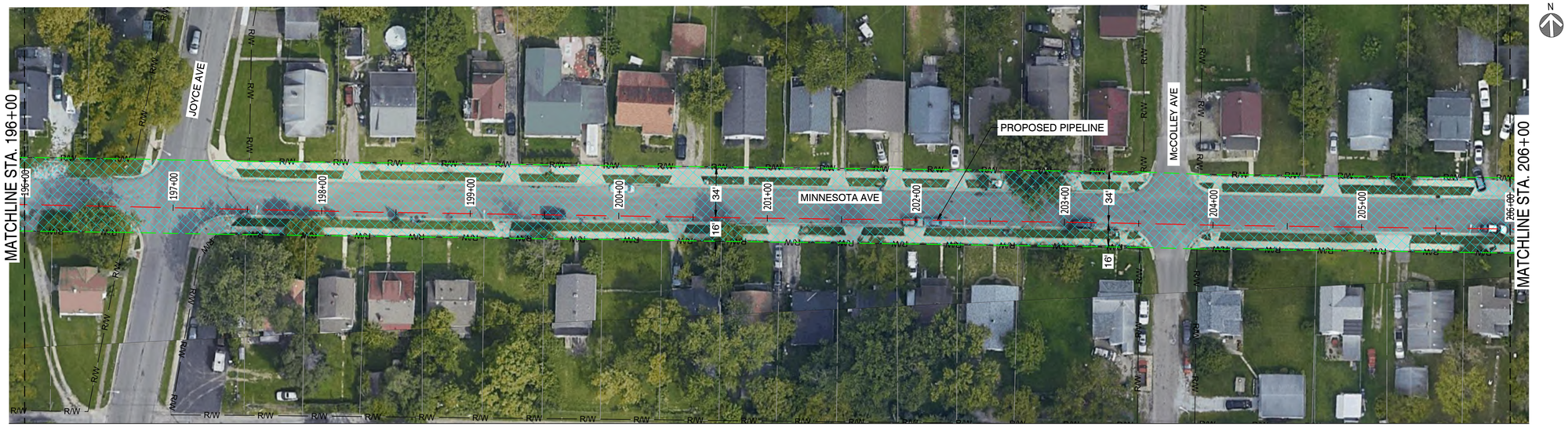
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 174+00 to STA 196+00

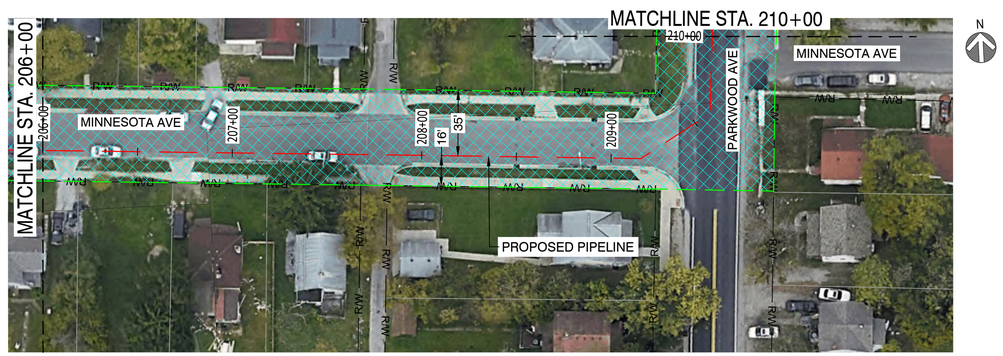
DRAWING NO:

TUA-10



PROPOSED PLAN - STA. 196+00 TO STA. 206+00

SCALE: 1"=40'



PROPOSED PLAN - STA. 206+00 TO STA. 210+00

SCALE: 1"=40'

NOTES:

1. AERIAL IMAGERY IS FOR REFERENCE ONLY
2. WORKSPACE EXTENDS ENTIRE R.O.W. UNLESS NOTED OTHERWISE

NiSource

Ohio Utilities Protection Service
Call 811 before you dig

CAMPOS EPC
200 W Adams, Suite 400, Chicago, IL 60606
(872) 239-5703

PROPOSED

REVISIONS		
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW
REV. #	DATE	DESCRIPTION

	NAME	DATE	PHONE #
DESIGNED BY	JW	04/08/22	855-266-7671
DRAWN BY	JEM	04/08/22	855-266-7671
CHECKED BY	JMJ	04/08/22	855-266-7671
AS-BUILT BY			

SITE NAME:

INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 196+00 to STA 210+00

DRAWING NO:

TUA-11

PROPOSED PLAN - STA. 210+00 TO STA. 220+03

SCALE: 1"=40'

NOTES:
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(872) 239-5703

PROPOSED

REVISIONS		
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW
REV. #	DATE	DESCRIPTION

	NAME	DATE	PHONE #
DESIGNED BY	JW	04/08/22	855-266-7671
DRAWN BY	JEM	04/08/22	855-266-7671
CHECKED BY	JMJ	04/08/22	855-266-7671
AS-BUILT BY			

SITE NAME:

INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET
STA 210+00 to STA 220+03

DRAWING NO:

TUA-12

TUA ON CRESTVIEW RD FROM SUMMIT ST TO ESMOND ST

SCALE: 1"=60'

NOTES:

1. AERIAL IMAGERY IS FOR REFERENCE ONLY
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(872) 239-5703

PROPOSED

REVISIONS		
G	09/26/23	REVISED PER CLIENTS COMMENTS
F	08/04/23	ISSUED FOR BID REV F
E	06/01/23	FINAL ISSUED FOR BID
D	11/18/22	RE-ISSUED FOR BID
C	08/29/22	MATERIAL UPDATED FOR CLARITY
B	08/26/22	ISSUED FOR BID
A	04/08/22	ISSUED FOR REVIEW
REV. #	DATE	DESCRIPTION

	NAME	DATE	PHONE #
DESIGNED BY	JW	06/02/23	855-266-7671
DRAWN BY	JEM	06/02/23	855-266-7671
CHECKED BY	JMJ	06/02/23	855-266-7671
AS-BUILT BY			

SITE NAME:

INST# 22-0083155-00
ABAN# 22-0083156-00
PROJECT ID# 21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:

TUA SHEET - PULL BACKS

DRAWING NO:

TUA-15