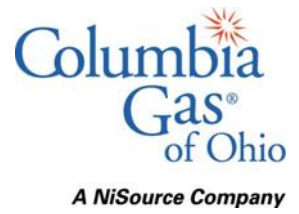


290 W. Nationwide Blvd.
Columbus, Ohio 43215

Direct: 614-315-3391
mlthompson@nisource.com



April 9, 2024

Ms. Tanowa Troupe
Secretary, Office of Administration
Ohio Power Siting Board
180 East Broad Street
Columbus, Ohio 43215

Re: *In the Matter of the Construction Notice Application by Columbia Gas of Ohio, Inc. for an Adjustment to the Certificate of Environmental Compatibility and Public Need for the Central Columbus North Columbus High Pressure System Project.*
OPSB Case No. 24-2382-GA-BNR

Dear Ms. Troupe:

Columbia Gas of Ohio, Inc. ("Columbia") submits this Construction Notice, pursuant to Ohio Adm.Code 4906-6-03(C) and 4906-6-05, concerning slight modifications in a few areas of a proposed pipeline relocation that was previously approved by the Ohio Power Siting Board ("OPSB") known as the Central Columbus North Columbus High Pressure ("NCHP") System Project (the "Project") in Case No. 23-888-GA-BLN.

Columbia also requests, pursuant to Ohio Adm.Code 4906-6-03(C), 21-day expedited treatment of this Construction Notice for good cause. Good cause exists to grant expedited treatment as the minor Adjustments accommodate requirements of the City of Columbus Division of Public Utilities (the "Columbus DPU").

Therefore, as required by Ohio Adm.Code 4906-6-05, please be advised of the following minor route changes with this Construction Notice focusing on only the areas that changed in the previously approved route:

(1) The name of the project and applicant's reference number, names and reference number(s) of resulting circuits and a brief description of the project, and why the project meets the requirements for a construction notice.

In case No. 23-888-GA-BLN, the OPSB approved Columbia's Letter of Notification to construct a natural gas pipeline identified as the Central Columbus North Columbus High Pressure ("NCHP") System Project (the "Project"). The Project is generally

located in the City of Columbus. The proposed Project will be approximately 22,060 feet (4.2 miles) in length and consist of construction of a 20-inch diameter transmission class pipeline to replace the existing 18-inch and 20-inch gas line.

This Construction Notice, for Adjustments to the Project route that total less than one mile, is being brought to reflect the minor pipeline adjustments along the Project route that are all necessitated by requirements by the City of Columbus to avoid existing infrastructure and to comply with the City of Columbus' Right of Way Manual. The minor shifts in alignment do not constitute any changes to previously planned workspace or change in construction installation method. These adjustments are:

No.	Station Location	Description of Change	A.S. #	Reason for Change
1	0+62 to 2+82	Pipeline Shift approximately 6' South West for 180'.	L-01	Additional clearance from existing utilities per City of Columbus request
2	28+13 to 30+73	Pipeline shift approximately 4' south for 260'.	L-03; L-04	Increasing clearance from sewer manholes. per City of Columbus request
3	164+21 to 165+71	Pipeline shift approximately 3' west for 150'.	L-18	Maintain a clearance of 3' to a proposed Bioretention Facility
4	187+57 to 188+32	Pipeline shifts to west side Unnamed Alley for 75' before crossing back over to the east side.	L-20	Increase clearance of an existing water valve per City of Columbus request
5	209+15 to 209+90	Pipeline shifts east approximately 4' for 75'	L-22	Increase clearance of an existing water valve per City of Columbus request
6	217+00 to 218+70	Pipeline shifts approximately 20' west at the intersection of Denune and Parkwood for 170' before meeting up with the previous alignment.	L-23	Increase clearance from manholes per City of Columbus request

- **First Adjustment:** The first adjustment is moving the pipeline to provide additional clearances from existing utility lines. This will result in an approximate alignment shift of 6 feet southwest for approximately 180 feet. The shift will take place approximately 200 feet southeast of the intersection of Tulane Dr and W Tulane Rd (N 40.023503° W 83.014825°), for approximately 180 feet. The Columbus DPU requested this change to ensure adequate clearance of all the existing utilities currently active in the Road Right-of-Way.

- **Second Adjustment:** The second adjustment is moving the pipeline to provide additional clearances from existing sewer manholes. This will result in an approximate alignment shift of 4 feet south for approximately 260 feet. The shift will take place at the intersection of E Tulane Rd and Druid St (N 40.022923°, W 83.005289°), for approximately 260 feet. The Columbus DPU requested this change to ensure adequate clearance of the sewer manholes that are within the Road Right-of-Way.
- **Third Adjustment:** The third adjustment is moving the pipeline to provide additional clearance from a proposed Bioretention Facility. This will result in an approximate alignment shift of 3 feet west for approximately 150 feet. The shift will take place 100 feet north of the intersection of Bremen St and Minnesota Ave (N 40.020234°, W 82.969684°) for approximately 150 feet. The Columbus DPU requested this change to maintain clearance from a proposed Bioretention Facility that is currently being designed and will be installed at a later date.
- **Fourth Adjustment:** The fourth adjustment is moving the pipeline to provide additional clearance from an existing water mainline valve. This will result in the route turning north from Genesee Ave onto the west side of an unnamed alley before crossing back over to the east side of the alley. This shift will be approximately 75 feet long. The shift will take place 550 feet east of the intersection of Cleveland Ave and Genessee Ave (N 40.018916°, W 82.963011°) for approximately 75 feet. The Columbus DPU requested this change to maintain an 8 feet clearance from an existing water mainline valve.
- **Fifth Adjustment:** The fifth adjustment is moving the pipeline to provide additional clearance from an existing water mainline valve. This will result in the route changing direction at a steeper angle as well as a 4-foot shift to align with the previous route. This shift will be approximately 75 feet long. The shift will take place at the intersection of Minnesota Ave and Parkwood Ave (N 40.019375°, W 82.956160°) for approximately 75 feet. The Columbus DPU requested this change to maintain an 8 feet clearance from an existing water mainline valve.

- **Sixth Adjustment:** The sixth and final adjustment is moving the pipeline to increase the clearances from multiple manholes. This will result in the route changing 20 feet west and this shift will be approximately 170 feet long. The shift will take place at the intersection of Parkwood Ave and Denune Ave (N 40.021565°, W 82.955838°) for approximately 170 feet. The Columbus DPU requested this change to ensure adequate clearance of the sewer manholes that are within the Road Right-of-Way.

Moreover, due to the shift of the piping alignment with the sixth adjustment, a change in construction method was made from a conventional bore to open cut. This change was required due to the change in space available with the shift in the alignment that was required from the Columbus DPU.

Areas highlighted on **Attachments A and B**, called out as “Adjustments,” are impacted areas that have changed from the previous Project approval.

(2) If the proposed construction notice project is an electric power transmission line or gas pipeline, a statement explaining the need for the proposed facility.

As described above, the Adjustments requested pursuant to this Construction Notice are required changes from the City of Columbus in order to install the pipeline and remain requested clearances from existing infrastructure and to comply with the City of Columbus’ Right of Way Manual.

(3) The location of the project in relation to existing or proposed lines and substations shown on an area system map of sufficient scale and size to show existing and proposed transmission facilities in the project area.

The map shown in **Attachment A: Overview Map** illustrates the location of the Project in relation to existing transmission facilities in the Project area. The new pipeline is shown in red and the workspace for constructing the new pipeline is a black-dashed line. The existing NCHP pipeline that will be replaced is the yellow line.

Attachment A also highlights in yellow the Adjustments along the proposed pipeline route.

(4) The alternatives considered and reasons why the proposed location or route is best suited for the proposed facility. The discussion shall include, but not be limited to, impacts associated with socioeconomic, ecological, construction, or engineering aspects of the project.

The areas for the alignment shifts are still within the originally investigated workspaces for the Project and did not change any of the previously provided environmental reports. Please see **Attachment G** for the Cultural Memorandum for the details of the cultural study for the entire Project which continue to cover these small Adjustments to the originally approved route.

(5) Describe the public information program to inform affected property owners and tenants of the nature of the project and the proposed timeframe for project construction and restoration activities.

No additional public information efforts are planned given the minor nature of the Adjustments.

(6) The anticipated construction schedule and proposed in-service date of the project.

Installation of the proposed pipeline is scheduled to begin on or about May 1, 2024, and the in-service date (completion date) of this Project is expected to be on or about December 31, 2024.

(7) An area map of not less than 1:24,000 scale clearly depicting the facility's centerline, with clearly marked streets, roads, and highways, and an aerial image.

Please see the map attached as **Attachment A**.

Attachment B is comprised of the pipeline alignment drawings and the pipeline workspace drawings specifically for the areas that have Adjustments and contain area maps at a 1"=40' scale. The maps and drawing depict the Project centerline, workspaces, railroads, and major street crossings. The Project centerline is shown as a dashed red line, and workspaces are shown as cyan highlighted areas. Roads, streets, highways, and other crossings are clearly labeled throughout. Proposed Adjustments are also identified and highlighted in yellow.

Attachment H contains the City of Columbus approved Management of Traffic (MOT) plans for the construction of the Project.

(8) A list of properties for which the applicant has obtained easements, options, and/or land use agreements necessary to construct and operate the facility and a list of the additional properties for which such agreements have not been obtained.

There are no additional parcels or easements needed for the Adjustments as all of the Adjustments are in public road right-of-way.

(9) Technical features of the project.

(a) Operating characteristics, estimated number and types of structures required, and right-of-way and/or land requirements.

The Adjustments will, like the rest of the Project, be tested such that they will have an MAOP of 190 pounds per square inch gauge (psig). Columbia will be installing 20-inch main-line piping that is coated steel with a wall thickness of 0.375. The wall thickness of the pipe will increase to 0.500 inches where trenchless installation is used.

Columbia has contacted property owners along the Project route to secure permanent and/or temporary easements. In addition to the 0.24-mile length of the pipeline right-of-way, Columbia has obtained land rights for temporary staging areas that will be situated along the pipeline right-of-way and other areas needed during construction. The location of the workspaces, easements, and right-of-way are shown in the drawings included in **Attachment B**.

(b) For electric power transmission lines that are within 100 feet of an occupied residence or institution, the production of electric and magnetic fields during the operation of the proposed electric power transmission line. The discussion shall include:

(i) Calculated electric and magnetic field strength levels at one meter above ground under the lowest conductors and at the edge of the right-of-way for: (a) Normal maximum loading, (b) Emergency line loading, (c) Winter normal conductor rating.

(ii) A discussion of the applicant's consideration of design alternatives with respect to electric and magnetic fields and their strength levels, including alternate conductor configuration and phasing, tower height, corridor location, and right-of-way width.

Not applicable to this Project.

(c) The estimated cost of the project.

The Adjustments do not cause a material increase to the estimate provided in Case No. 23-0888-GA-BLN.

(10) Social and Ecological Impacts of the Project.

(a) A brief, general description of the land use within the vicinity of the proposed project, including a list of municipalities, townships, and counties affected.

The Adjustments are located within the City of Columbus, Franklin County, Ohio. The current land use along the Project route that is being adjusted is primarily comprised of residential and commercial properties, with minimal patches of forest.

(b) The acreage and general description of all agricultural land, and separately all agricultural district land, existing at least sixty days prior to submission of the application within the potential disturbance area of the project.

No Agricultural District Land parcels are impacted by the Project.

(c) A description of the applicant's investigation concerning the presence or absence of significant archaeological or cultural resources that may be located within the area likely to be disturbed by the project, a statement of the findings of the investigation, and a copy of any document produced as a result of the investigation.

On behalf of Columbia, Colliers Engineering & Design ("CED") conducted a cultural resource desktop review and assessment for the entire Project. The adjustments in the alignment for these small shifts were covered in the original environmental surveys covering the workspace originally surveyed for the entire route, and do not cause any new archaeological or cultural resources impacts as compared to the original Project approval.

A copy of the Cultural Report and correspondence with the State Historic Preservation Office ("SHPO") is included in **Attachment G**.

(d) A list of the local, state, and federal government agencies known to have requirements that must be met in connection with the construction of the project, and a list of documents that have been or are being filed with those agencies in connection with siting and constructing the project.

The following public officials and offices will be notified of the Construction Notice pursuant to Ohio Adm.Code 4906-6-07(A)(1):

Franklin County	
Kevin L. Boyce	John O'Grady
Franklin County Commissioner	Franklin County Commissioner
President	373 S. High Street
373 S. High Street	Columbus, Ohio 43215
Columbus, Ohio 43215	
Erica C. Crawley	Kenneth N. Wilson
Franklin County Commissioner	Franklin County Administrator
373 S. High Street	373 S. High Street
Columbus, Ohio 43215	Columbus, Ohio 43215
Jennifer Fish	Cornell R. Robertson, P.E., P.S.
Franklin County Soil and Water	Franklin County Engineer
1404 Goodale Boulevard, Suite 100	970 Dublin Road
Columbus, Ohio 43212	Columbus, Ohio 43215

City of Columbus	
Hon. Andrew Ginther	Shannon G. Hardin
City of Columbus Mayor	City of Columbus Council President
90 W. Broad Street	90 W. Broad Street
Columbus, Ohio 43215	Columbus, Ohio 43215
Nancy Day-Achauer	Nicholas Bankston
Councilmember	Councilmember
90 W. Broad Street	90 W. Broad Street
Columbus, Ohio 43215	Columbus, Ohio 43215
Lourdes Barroso de Padilla	Rob Dorans
Councilmember	President Pro Tem
90 W. Broad Street	90 W. Broad Street
Columbus, Ohio 43215	Columbus, Ohio 43215

Shayla Favor	Emmanuel V. Remy
Councilmember	Councilmember
90 W. Broad Street	90 W. Broad Street
Columbus, Ohio 43215	Columbus, Ohio 43215
Melissa Green	Christopher L. Wyche
Councilmember	Councilmember
90 W. Broad Street	90 W. Broad Street
Columbus, Ohio 43215	Columbus, Ohio 43215
Scott Messer	Jennifer Gallagher
City of Columbus Director	City of Columbus Director
Department of Building and Zoning Services	Department of Public Service
111 N. Front Street	111 N. Front Street
Columbus, Ohio 43215	Columbus, Ohio 43215

In addition to submitting this Construction Notice to the Ohio Power Siting Board, the overall Project is subject to the following federal, state, and local agency reviews and authorizations to be received prior to construction beginning:

- U.S. Army Corps of Engineers (USACE) Nationwide Permit 12 Evaluation;
- Ohio Department of Natural Resources (ODNR) State Threatened and Endangered Species Consultation;
- Ohio Environmental Protection Agency (OEPA) Section 402 National Pollutant Discharge Elimination System (NPDES) Construction Stormwater Permit and Stormwater Pollution Prevention Plan (SWPPP) requirements;
- City of Columbus Department of Public Service ROW Excavation Permit;
- Norfolk Southern Railroad Right of Entry Permit;
- Norfolk Southern Railroad Wireline and Pipeline License;
- CSX Right of Entry Permit;
- CSX Utility Permit;
- Ohio Department of Transportation Right-of-Way and Utility Permit; and
- Ohio EPA Hydrostatic Test Water Discharge Permit.

(e) A description of the applicant's investigation concerning the presence or absence of federal and state designated species (including endangered species, threatened species, rare species, species proposed for listing, species under review for listing, and species of special interest) that may be located within the area likely to be disturbed by the project, a statement of findings of the investigation, and a copy of any document produced as a result of the investigation.

The Adjustments do not present any new or different potential impacts to federal and state designated species. The original applicable correspondence and documentation, as continue to be applicable to the Adjustments, are attached as **Attachments B and E**.

(f) A description of the applicant's investigation concerning the presence or absence of areas of ecological concern (including national and state parks, floodplains, wetlands, designated or proposed wildlife areas, national and state wild and scenic rivers, wildlife areas, wildlife refuges, wildlife management areas, and wildlife sanctuaries) that that may be located within the area likely to be disturbed by the project, a statement of findings of the investigation, and a copy of any document produced as a result of the investigation.

An environmental review of the Project area was conducted on behalf of Columbia by its contractor, Campos EPC, LLC for the entire route. The surveyed area for the original environmental study is not impacted by the minor alignment shifts in the Adjustments since the workspace does not change for the slight alignment modifications. Columbia does not anticipate any different ecological impacts caused by the Adjustments, and has attached **Attachment C**, which is the full Wetland Delineation Report and **Attachment F**, which is the Inadvertent Release Plan for the horizontal directional drilling.

(g) Any known additional information that will describe any unusual conditions resulting in significant environmental, social, health, or safety impacts.

To the best of Columbia's knowledge, no unusual conditions exist that would result in significant environmental, social, health, or safety impacts.

Should Staff of the Ohio Power Siting Board desire further information or discussion of this application, please do not hesitate to reach out to me at the information listed above.

Respectfully submitted,

/s/ Melissa L. Thompson



OVERVIEW SHEET INDEX
SCALE: 1"=800'



PROPOSED

REVISIONS			
C	09/25/23	EXISTING PIPELINE ADDED	
B	09/22/23	ISSUED FOR REVIEW	
A	06/24/22	ISSUED FOR REVIEW	
REV. #	DATE	DESCRIPTION	
DESIGNED BY	JW	04/08/22	855-266-7671
DRAWN BY	JEM	06/24/22	855-266-7671
CHECKED BY	JMJ	06/24/22	855-266-7671
AS-BUILT BY			
		NAME	PHONE #

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, PHASE 1
COLUMBUS, FRANKLIN COUNTY, OH

DRAWING TITLE:
OVERVIEW WORKSPACE

DRAWING NO:
WS-01



INSTALLATION ORDER NUMBER22-0083155-00 / 22-0135586-00 / 23-0136479-00

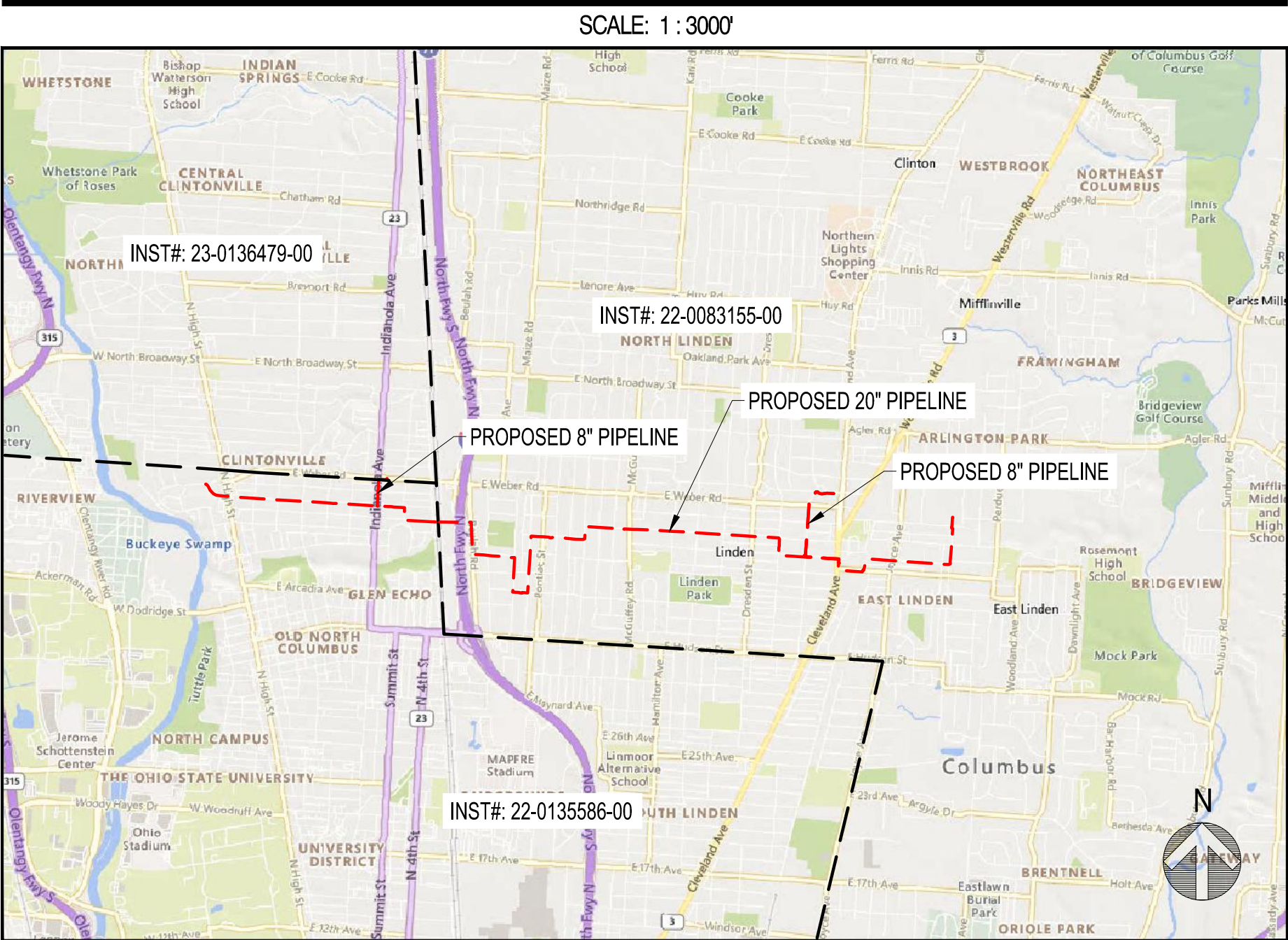
ABANDONMENT ORDER NUMBER22-0083156-00 / 22-0135587-00 / 23-0136480-00

PROJECT ID21-78790

NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS

JOB TYPE: BUDGET NAME (557)

VICINITY MAP



PROJECT DESCRIPTION

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

VALVES PLANNED FOR ABANDONMENT

VALVE NO.	FACILITY ID	LOCATION DESCRIPTION	ABANDONED VALVE INSERTED?	DISPOSITION			
			YES*	NO	VALVE REMOVED (NO BOX ABOVE GROUND VALVE)	VALVE, VALVE BOX & LID REMOVED	VALVE REMAINS IN PLACE, BOX & LID REMOVED
#		NO VALVES TO BE ABANDONED					
#							
#							
#							
#							
* - IF "YES," APPROVAL AND REASON ARE REQUIRED AND SHALL BE DOCUMENTED. NOTE: IF VALVE COULD NOT BE LOCATED, MAKE APPLICABLE COMMENT IN ABOVE TABLE.							

SHEET INDEX

DWG.	DESCRIPTION
T-01 - T-02	TITLE SHEET AND INDEX SHEET
GN-01 - GN-09	GENERAL NOTES
BOM-01 - BOM-02	BILL OF MATERIALS
O-01	OVERVIEW SHEETS
L-01 - L-27	ALIGNMENT SHEETS
D-01 - D-04	HDD DRAWINGS
D-03	HYDROTEST DRAWINGS
D-10 - D-20	TIE-IN DETAILS
TD-01 - TD-06	TRENCHING SECTIONS
TD-07 - TD-20	TYPICAL DETAILS
TD-21 - TD-29	TELEMONITORING DETAILS
TD-30 - TD-31	APPROVED HYDRANTS
CP-01 - CP-06	CATHODIC PROTECTION

PROJECT SUMMARY TABLE

PROJECT SUMMARY TABLE					
PROPOSED INSTALLATION			PROPOSED ABANDONMENT		
LENGTH (FT)	SIZE (IN)	TYPE	LENGTH (FT)	SIZE (IN)	TYPE
22,020	20"	CSHP	5,426	20"	CSHP
3,867	8"	CSHP	13,281	18"	CSHP
54	12"	CSHP	441	10"	CSHP
25,941	TOTAL INSTALLATION (FEET)		19,148	TOTAL ABANDONMENT (FEET)	
PROPOSED GAS SERVICES					
		REPLACEMENTS	TIE OVERS	TOTAL SERVICES	METERS OUT
ESTIMATED GAS SERVICES		N/A	N/A	N/A	N/A

PROJECT INFORMATION

FIELD ENGINEER/TECHNICIAN	KAITLIN KEENE
CONSTRUCTION FFL:	MATTHEW ALIFF
PERMITS:	CITY OF COLUMBUS PERMIT
	OPSB PERMIT
	ODOT PERMIT
	CSX PERMIT
	NORFOLK-SOUTHERN PERMIT
	ENVIRONMENTAL PERMITS
TCC/LOA:	PENDING
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:	8 HRS	PER G.S. 1500 SERIES	
PERCENT SMYS AT DESIGN PRESSURE:	6.21%	% SMYS BASED ON: 12.75", 0.375" W/T, X-52	
PERCENT SMYS AT MAOP:	6.21%	% SMYS BASED ON: 12.75", 0.375" W/T, X-52	
PERCENT SMYS AT MIN. TEST PRESSURE:	9.32%	% SMYS BASED ON: 12.75", 0.375" W/T, X-52	
PERCENT SMYS AT MAX. TEST PRESSURE:	16.35%	% SMYS BASED ON: 12.75", 0.375" W/T, X-52	
MAOP LIMITING ELEMENT:	PRESSURE TEST		
TEST MEDIUM	WATER		
PERCENT X-RAY	100%		



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

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
3	03/15/24	REVISED PER CoC COMMENTS
2	11/28/23	REVISED FOR CLIENT COMMENTS
1	11/10/23	REVISED FOR CP AND JOB ID
0	10/20/23	ISSUED FOR CONSTRUCTION

INTERNAL ENG.	EK	06/02/23	614-981-0661
DESIGNED BY	JMJ	06/02/23	855-266-7671
CHECKED BY	SW	06/02/23	866-266-7671
AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
INST# 22-0083155-00
ABAN# 22-0083156-00
INST# 23-0136479-00
ABAN# 23-0136480-00
PROJECT ID# 21-78790

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

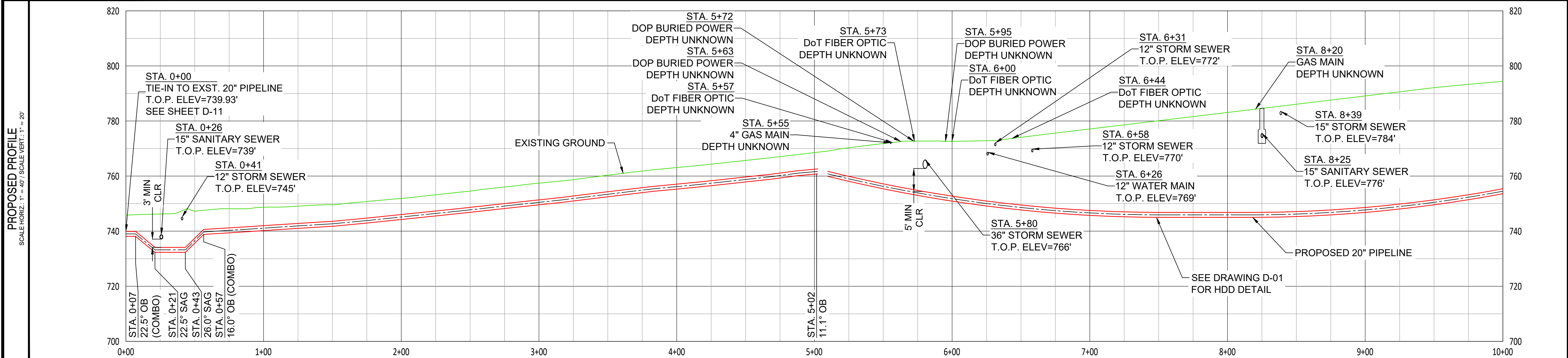
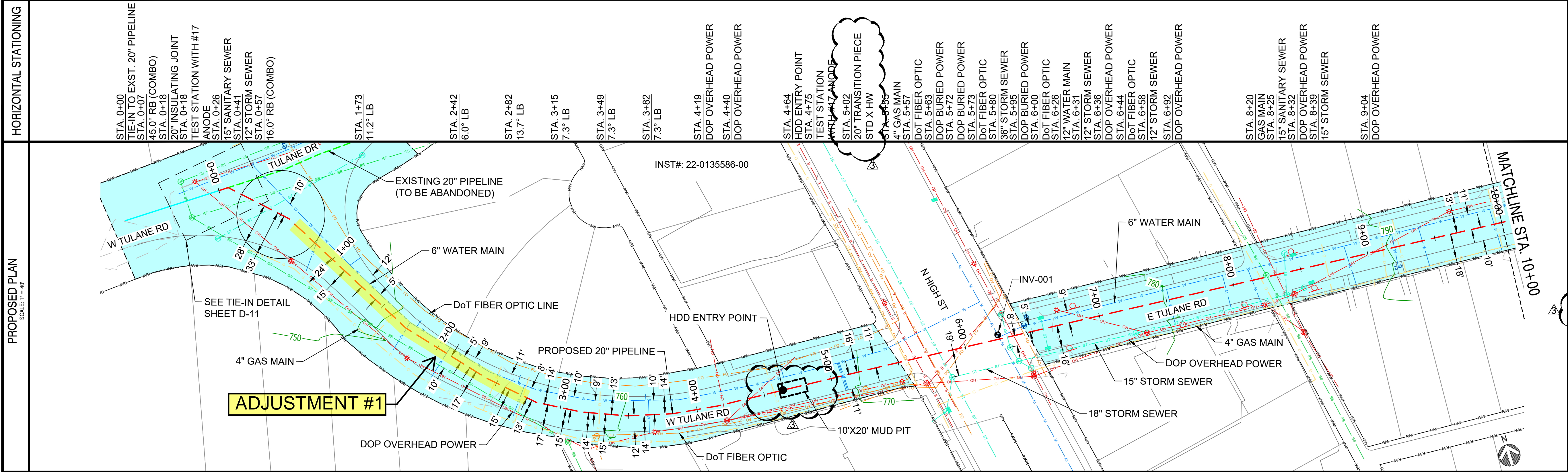
DRAWING TITLE:

TITLE SHEET

DRAWING NO:

T-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	OPEN CUT / OC-10		OPEN CUT / OC-09		HDD	
MATERIALS	⑥ X⑨ ⑤ ⑦ ⑦ ⑦		⑦ ③ 502' ⑦		④ 498'	



- NOTES:
- CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
 - SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
 - SEE TD-01 TO TD-06 FOR OPEN CUT DETAILS
 - SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
 - THE PIPELINE HAS GENERALLY BEEN DESIGNED WITH A COVER OF 6'-0" TO ACCOUNT FOR DEPTH OF UNKNOWN SERVICE LINES. MINIMUM ALLOWABLE DEPTH OF COVER IS 4'-0"
 - VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE
 - CORROSION PROTECTION IS DESIGNED BY NISOURCE AND IS NOT COVERED WITHIN THE ENGINEER'S STAMP



MATERIAL SUMMARY		
ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE/ARO	502'
4	20" XH PIPE X-52 FBE/ARO	498'
7	20" ELBOW, 45° 3R WPHY-52, SEGMENT	4
8	20" ELBOW, 90° 5R WPHY-52, SEGMENT	1
20	TRANSITION 20" x 0.375" TO 0.500"	1
X9	20" INSULATING JOINT	1
X5	TEST STATION WITH #17 ANODE	2



REVISIONS			
REV. #	DATE	DESCRIPTION	
3	03/15/24	REVISED PER CoC COMMENTS	
2	11/28/23	REVISED FOR CLIENT COMMENTS	
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AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
INST# 22-0083155-00
ABAN# 22-0083156-00
INST# 23-0136479-00
ABAN# 23-0136480-00
PROJECT ID# 21-78790

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

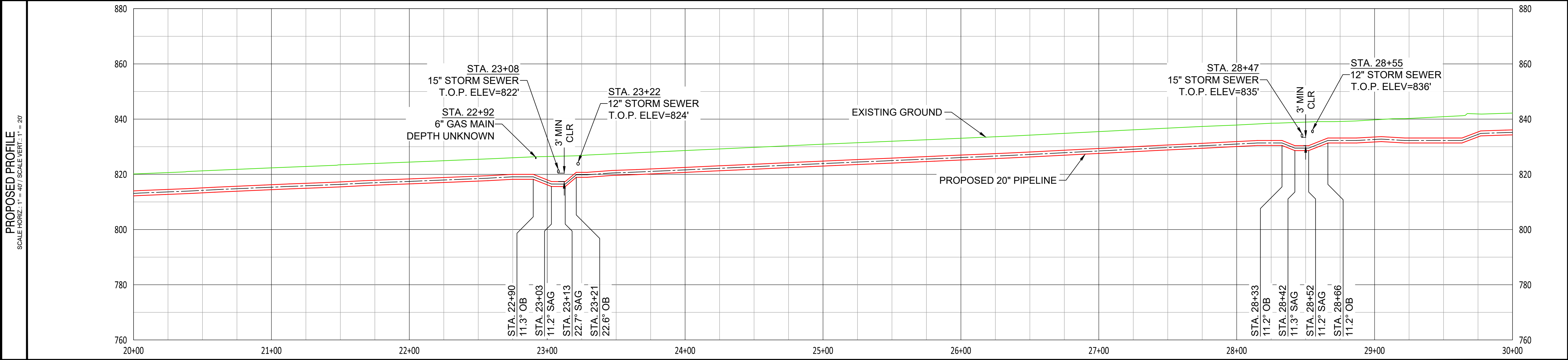
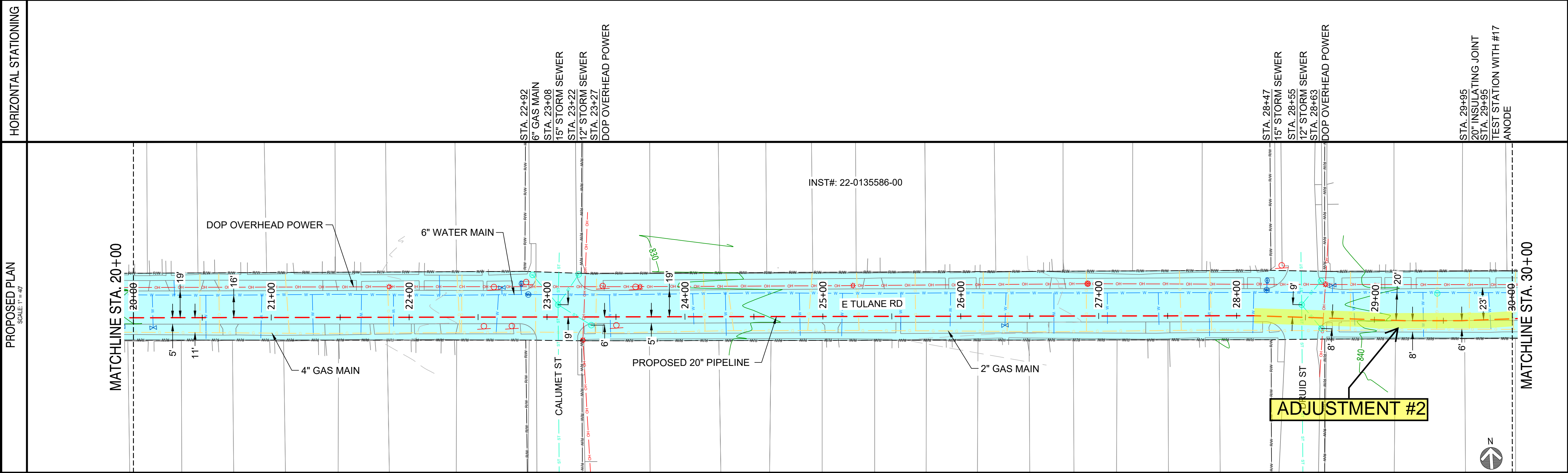
DRAWING TITLE:

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	STA. 20+00	OPEN CUT / OC-10	STA. 30+00
MATERIALS	⑦ ⑦ ⑦ ⑦ ③ 1,000' ⑦ ⑦ ⑦ ⑦ ⑧ ⑧		



- NOTES:
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 - VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE
 - CORROSION PROTECTION IS DESIGNED BY NISOURCE AND IS NOT COVERED WITHIN THE ENGINEER'S STAMP
 - CONTRACTOR TO REFERENCE THE PERMIT PACKAGE FOR PROPOSED CITY OF COLUMBUS PROJECTS IN THE AREA PRIOR TO CONSTRUCTION



MATERIAL SUMMARY		
ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE/ARO	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMENT	4
8	20" ELBOW, 90° 5R WPHY-52, SEGMENT	-
20	TRANSITION 20" x 0.375" TO 0.500"	-
X1	20" INSULATING JOINT	1
X5	TEST STATION WITH #17 ANODE	1



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

PROPOSED

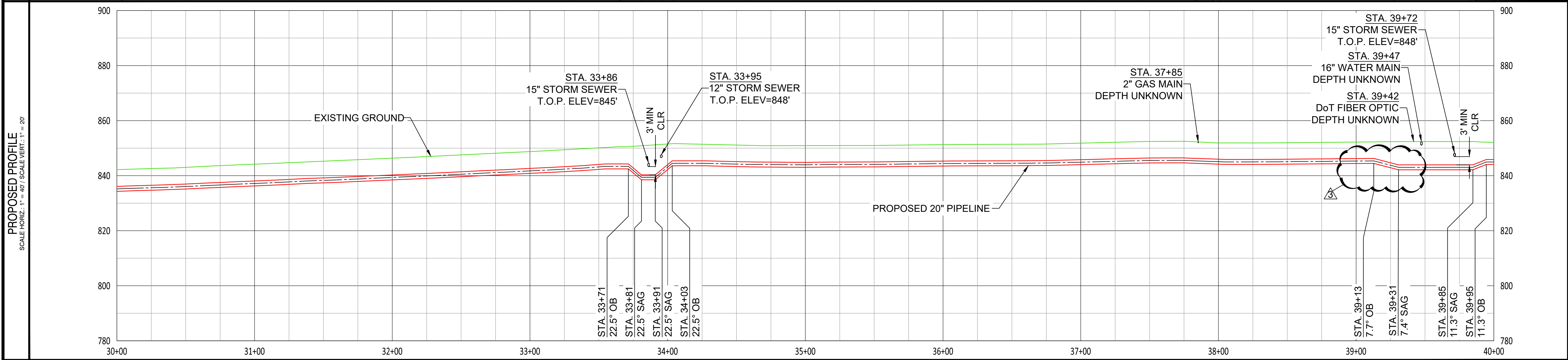
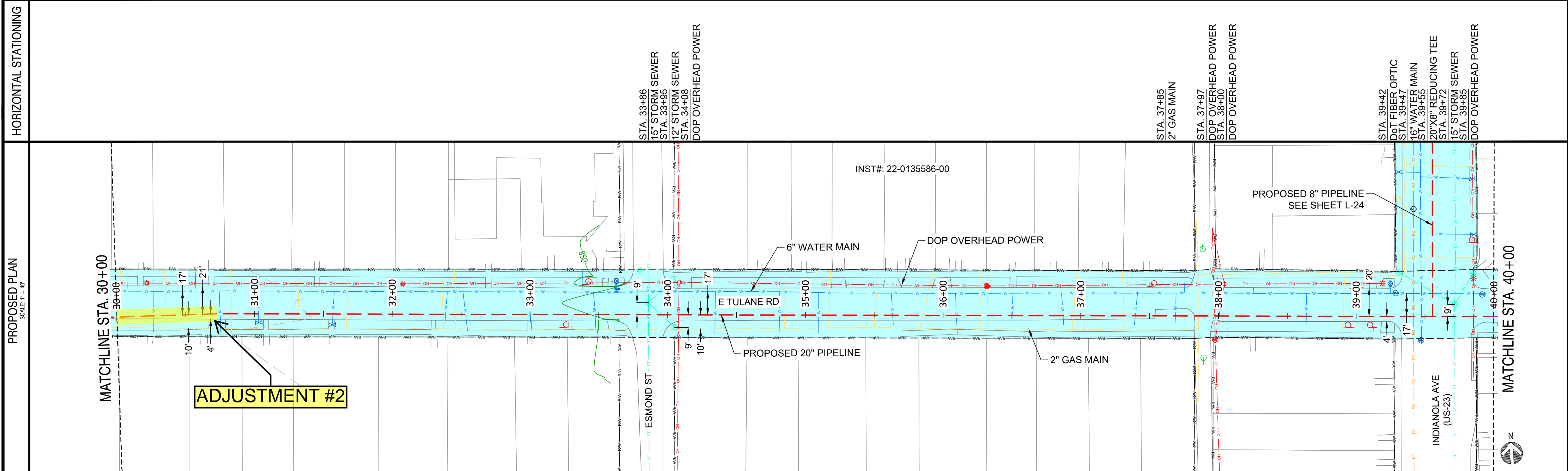
REVISIONS		
3	02/09/24	REVISED PER CoC COMMENTS
2	11/28/23	REVISED FOR CLIENT COMMENTS
1	11/10/23	REVISED FOR CP AND JOB ID
0	10/20/23	ISSUED FOR CONSTRUCTION
REV. #	DATE	DESCRIPTION
INTERNAL ENG.	EK	06/02/23 614-981-0661
DESIGNED BY	JMJ	06/02/23 855-266-7671
CHECKED BY	SW	06/02/23 866-266-7671
AS-BUILT BY	TBD	TBD TBD
	NAME	DATE PHONE #

SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
INST# 22-0083155-00
ABAN# 22-0083156-00
INST# 23-0136479-00
ABAN# 23-0136480-00
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	
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	STA. 30+00	OPEN CUT / OC-11	STA. 40+00
MATERIALS	⑦ ⑦ ⑦ ⑦ ③ 1,000' ⑨ ⑦ ⑦		



NOTES:

- CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
- SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
- SEE TD-01 TO TD-06 FOR OPEN CUT DETAILS
- SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
- 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"
- VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE

- CORROSION PROTECTION IS DESIGNED BY NISOURCE AND IS NOT COVERED WITHIN THE ENGINEER'S STAMP
- CONTRACTOR TO REFERENCE THE PERMIT PACKAGE FOR PROPOSED CITY OF COLUMBUS PROJECTS IN THE AREA PRIOR TO CONSTRUCTION

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MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE/ARO	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	-
9	20" x 8" STD REDUCING TEE Y-52	1
20	TRANSITION 20" x 0.375" TO 0.500"	-

CAMPOS
EPC

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(380) 799-8503

PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
3	02/09/24	REVISED PER CoC COMMENTS
2	11/28/23	REVISED FOR CLIENT COMMENTS
1	11/10/23	REVISED FOR CP AND JOB ID
0	10/20/23	ISSUED FOR CONSTRUCTION

INTERNAL ENG.	EK	06/02/23	614-981-0661
DESIGNED BY	JMJ	06/02/23	855-266-7671
CHECKED BY	SW	06/02/23	866-266-7671
AS-BUILT BY	TBD	TBD	TBD
NAME	DATE	PHONE #	

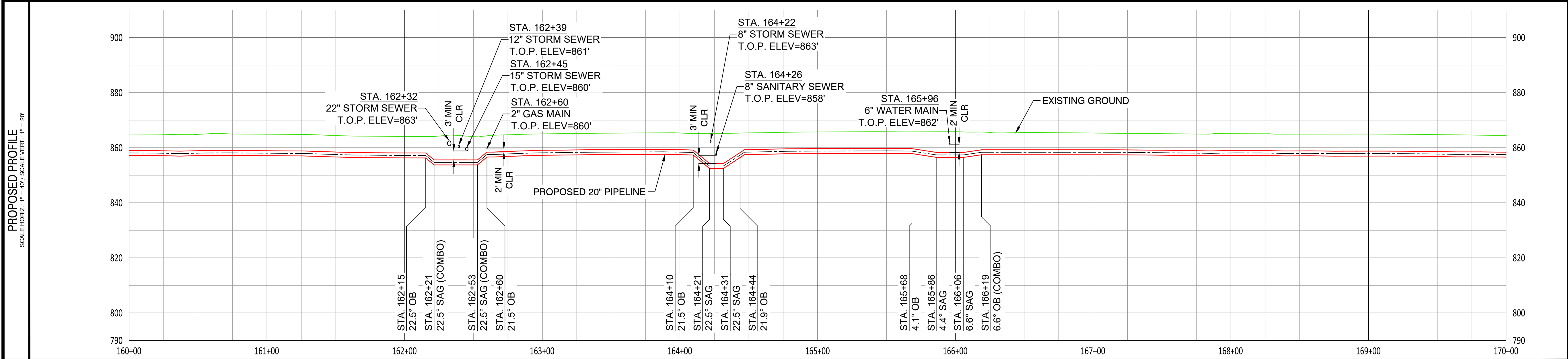
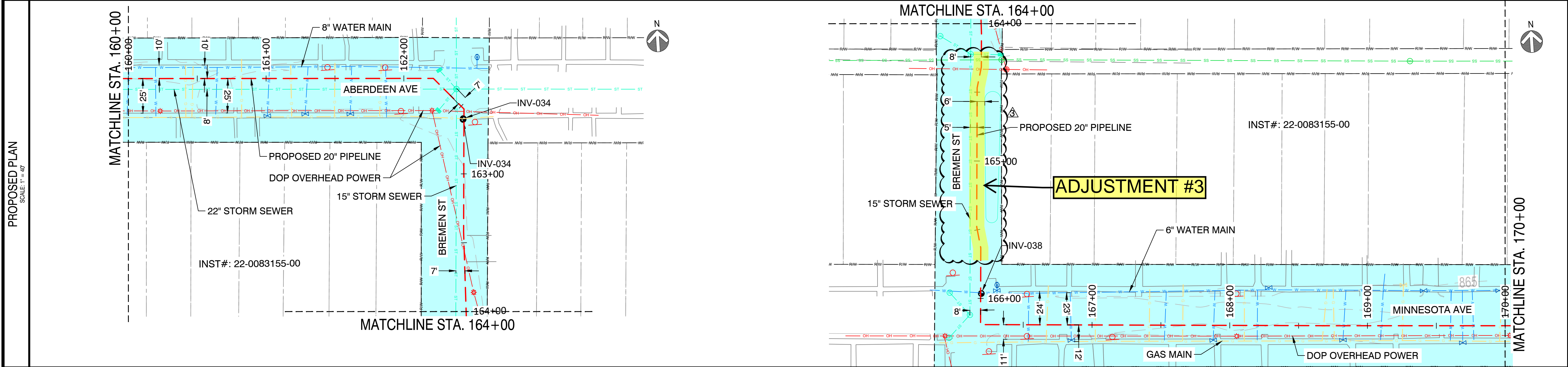
SITE NAME:
INST# 22-0135586-00
ABAN# 22-0135587-00
INST# 22-0083155-00
ABAN# 22-0083156-00
INST# 23-0136479-00
ABAN# 23-0136480-00
PROJECT ID# 21-78790
NCHP PIPELINE REPLACEMENT, CENTRAL COLUMBUS
COLUMBUS, FRANKLIN COUNTY, OH

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	STA. 160+00	OPEN CUT / OC-19	OPEN CUT / OC-08	OPEN CUT / OC-20
MATERIALS	⑦⑦⑦⑦③ 1,000'⑧⑤			STA. 170+00

HORIZONTAL STATIONING	STA. 162+21 45.0" RB (COMBO) STA. 162+32 22" STORM SEWER STA. 162+39 12" STORM SEWER STA. 162+45 15" STORM SEWER STA. 162+53 45.0" RB (COMBO) STA. 163+53 DOP OVERHEAD POWER STA. 162+55 DOP OVERHEAD POWER STA. 162+60 2" GAS MAIN STA. 163+56 DOP OVERHEAD POWER STA. 164+22 8" STORM SEWER STA. 164+26 8" SANITARY SEWER STA. 164+31 11.3" RB STA. 164+33 DOP OVERHEAD POWER STA. 164+47 11.3" LB STA. 165+48 11.3" LB STA. 165+63 11.3" RB STA. 165+96 6" WATER MAIN STA. 166+19 90.0" LB (COMBO) STA. 168+01 TEST STATION WITH #17 ANODE		
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- NOTES:
- CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
 - SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
 - SEE TD-01 TO TD-06 FOR OPEN CUT DETAILS
 - SERVICE LINE CROSSINGS SHOWN IN THE SURVEY ARE NOT STATIONED OR SHOWN IN THE PROFILE FOR CLARITY
 - 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"
 - VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE
 - CORROSION PROTECTION IS DESIGNED BY NISOURCE AND IS NOT COVERED WITHIN THE ENGINEER'S STAMP
 - CONTRACTOR TO REFERENCE THE PERMIT PACKAGE FOR PROPOSED CITY OF COLUMBUS PROJECTS IN THE AREA PRIOR TO CONSTRUCTION



MATERIAL SUMMARY		
ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE/ARO	1000'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMENT	7
8	20" ELBOW, 90° 5R WPHY-52, SEGMENT	1
20	TRANSITION 20" x 0.375" TO 0.500"	-
X5	TEST STATION WITH #17 ANODE	1



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

PROPOSED

REVISIONS		
3	02/09/24	REVISED PER CoC COMMENTS
2	11/28/23	REVISED FOR CLIENT COMMENTS
1	11/10/23	REVISED FOR CP AND JOB ID
0	10/20/23	ISSUED FOR CONSTRUCTION
REV. #	DATE	DESCRIPTION

INTERNAL ENG.	EK	06/02/23	614-981-0661
DESIGNED BY	JMJ	06/02/23	855-266-7671
CHECKED BY	SW	06/02/23	866-266-7671
AS-BUILT BY	TBD	TBD	TBD
NAME		DATE	PHONE #

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
INST# 22-0083155-00
ABAN# 22-0083156-00
INST# 23-0136479-00
ABAN# 23-0136480-00
PROJECT ID# 21-78790

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

DRAWING TITLE:

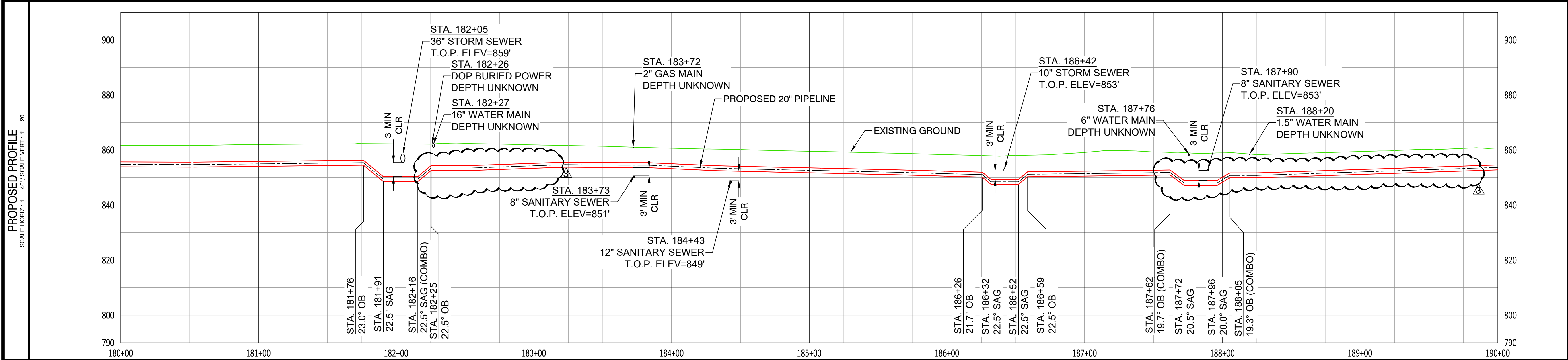
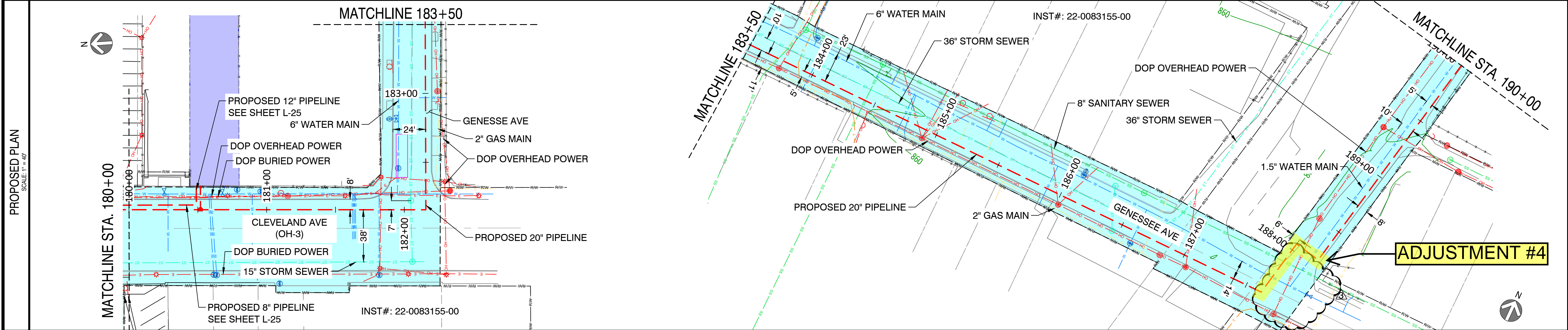
20" PIPELINE ALIGNMENT
STA. 160+00 TO STA. 170+00

DRAWING NO:

L-18

OWNERSHIP	CITY OF COLUMBUS							
JURISDICTION / PARCEL ID	CITY OF COLUMBUS / CLINTON TOWNSHIP / FRANKLIN COUNTY							
TEST PRESSURE MIN/MAX	285 PSIG MIN / 500 PSIG MAX							
DESIGN INFORMATION	CLASS IV / 190 PSIG							
CONSTRUCTION METHOD	STA. 180+00	OPEN CUT / OC-15			OPEN CUT / OC-06		OPEN CUT / OC-10	OPEN CUT / OC-01
MATERIALS		⑦	⑦	⑧	⑦	⑧	⑧	⑧

HORIZONTAL STATIONING	STA. 181+83 TR OVERHEAD POWER	STA. 182+05 36" STORM SEWER	STA. 182+26 DOP BURIED POWER	STA. 182+27 16" WATER MAIN	STA. 182+29 DOP OVERHEAD POWER	STA. 182+37 TR OVERHEAD POWER	STA. 183+72 2" GAS MAIN	STA. 183+73 8" SANITARY SEWER	STA. 183+77 DOP OVERHEAD POWER	STA. 183+89 DOT OVERHEAD COM LINE	STA. 184+43 12" SANITARY SEWER	STA. 184+86 DOP OVERHEAD POWER	STA. 184+92 DOP OVERHEAD POWER	STA. 184+93 DOP OVERHEAD POWER	STA. 184+97 DOP OVERHEAD POWER	STA. 185+97 DOP OVERHEAD POWER	STA. 186+04 DOP OVERHEAD POWER	STA. 186+42 10" STORM SEWER	STA. 187+02 DOP OVERHEAD POWER	STA. 187+62 80.0" LB (COMBO)	STA. 187+76 6" WATER MAIN	STA. 187+90 8" SANITARY SEWER	STA. 188+05 90" FB (COMBO)	STA. 188+12 DOP OVERHEAD POWER	STA. 188+20 1.5" WATER MAIN	STA. 188+25 90" LB	STA. 189+32 DOP OVERHEAD POWER
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- NOTES:
- CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
 - SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
 - SEE TD-01 TO TD-06 FOR OPEN CUT DETAILS
 - SERVICE LINE CROSSINGS SHOWN IN SURVEY ARE NOT STATIONED OR SHOWN IN PROFILE FOR CLARITY
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 - VERTICAL BENDS SHOWN IN PROFILE ARE FOR REFERENCE. CONTRACTOR TO MAKE USE OF ROPING AND FIELD BENDS WHERE POSSIBLE
 - CORROSION PROTECTION IS DESIGNED BY NISOURCE AND IS NOT COVERED WITHIN THE ENGINEER'S STAMP

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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, SEGMENT	5
8	20" ELBOW, 90° 5R WPHY-52, SEGMENT	4
12	20" x 12" STD REDUCING TEE Y-52	1
20	TRANSITION 20" x 0.375" TO 0.500"	-
X1	20" INSULATING JOINT	1
X5	TEST STATION WITH #17 ANODE	1

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PROPOSED

REVISIONS		
3	02/09/24	REVISED PER CoC COMMENTS
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1	11/10/23	REVISED FOR CP AND JOB ID
0	10/20/23	ISSUED FOR CONSTRUCTION
REV. #	DATE	DESCRIPTION
INTERNAL ENG.	EK	06/02/23 614-981-0661
DESIGNED BY	JMJ	06/02/23 855-266-7671
CHECKED BY	SW	06/02/23 866-266-7671
AS-BUILT BY	TBD	TBD TBD
	NAME	DATE PHONE #

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
INST# 22-0083155-00
ABAN# 22-0083156-00
INST# 23-0136479-00
ABAN# 23-0136480-00
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:

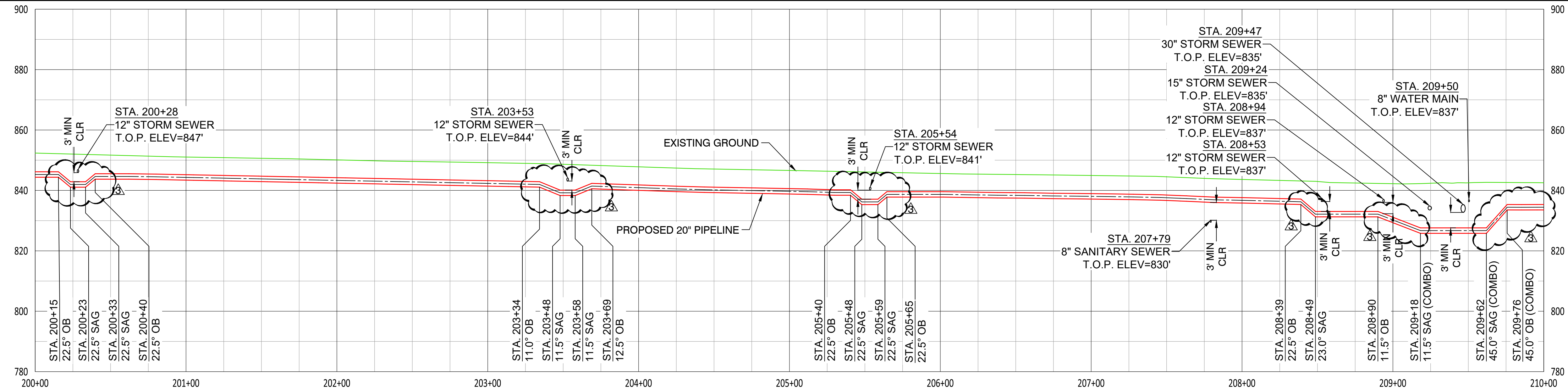
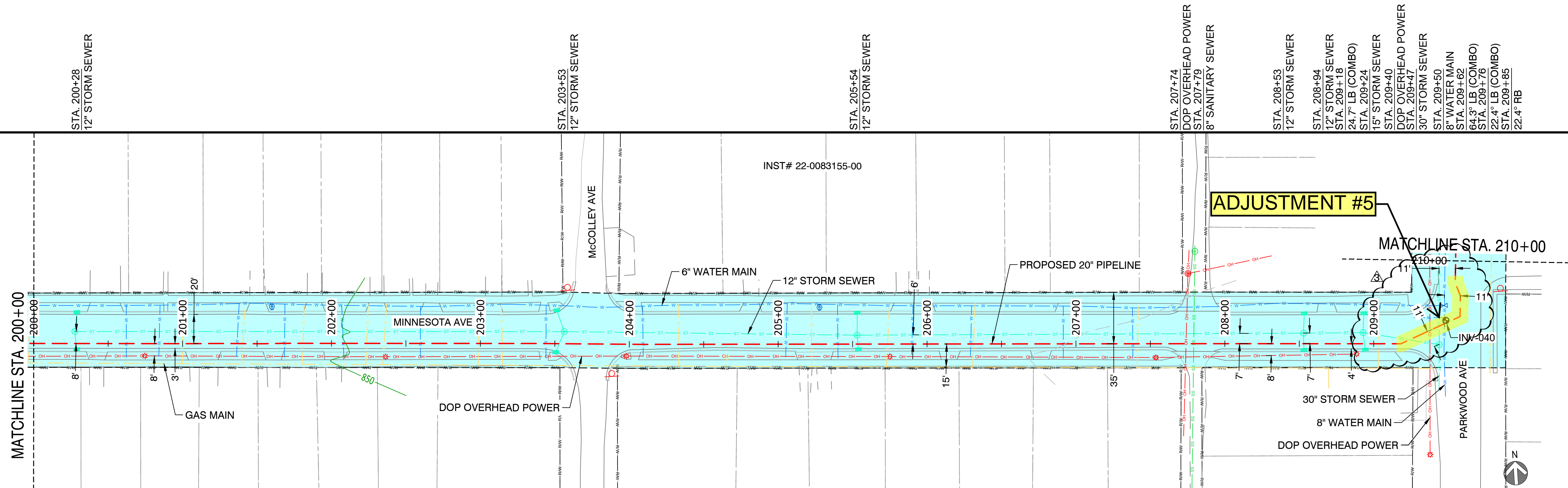
L-20

OWNERSHIP	CITY OF COLUMBUS										STA 200+00
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-11										
MATERIALS	⑦⑦⑦⑦	③	⑦	⑦⑦⑦⑦	③ 1,000'	⑦⑦⑦⑦⑦	⑦⑦	⑦	⑦	⑧ ⑦	STA 210+00

HORIZONTAL STATIONING

PROPOSED PLAN
SCALE: 1" = 40'

PROPOSED PROFILE



- NOTES:
1. CONTRACTOR SHALL VERIFY ALL UTILITY CROSSINGS
 2. SEE GENERAL NOTES FOR CLEARANCE REQUIREMENTS
 3. SEE TD-01 TO TD-06 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
 7. CORROSION PROTECTION IS DESIGNED BY NISOURCE AND IS NOT COVERED WITHIN THE ENGINEER'S STAMP
 8. CONTRACTOR TO REFERENCE THE PERMIT PACKAGE FOR PROPOSED CITY OF COLUMBUS PROJECTS IN THE AREA PRIOR TO CONSTRUCTION



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



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PROPOSED

REVISIONS		
REV. #	DATE	DESCRIPTION
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 ABAN# 23-0136480-00
 PROJECT ID# 21-78790

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

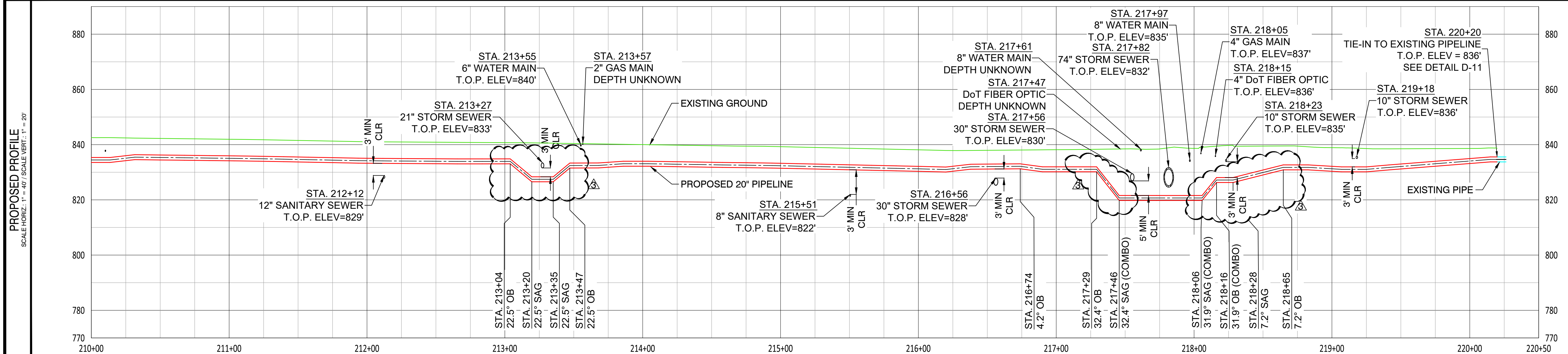
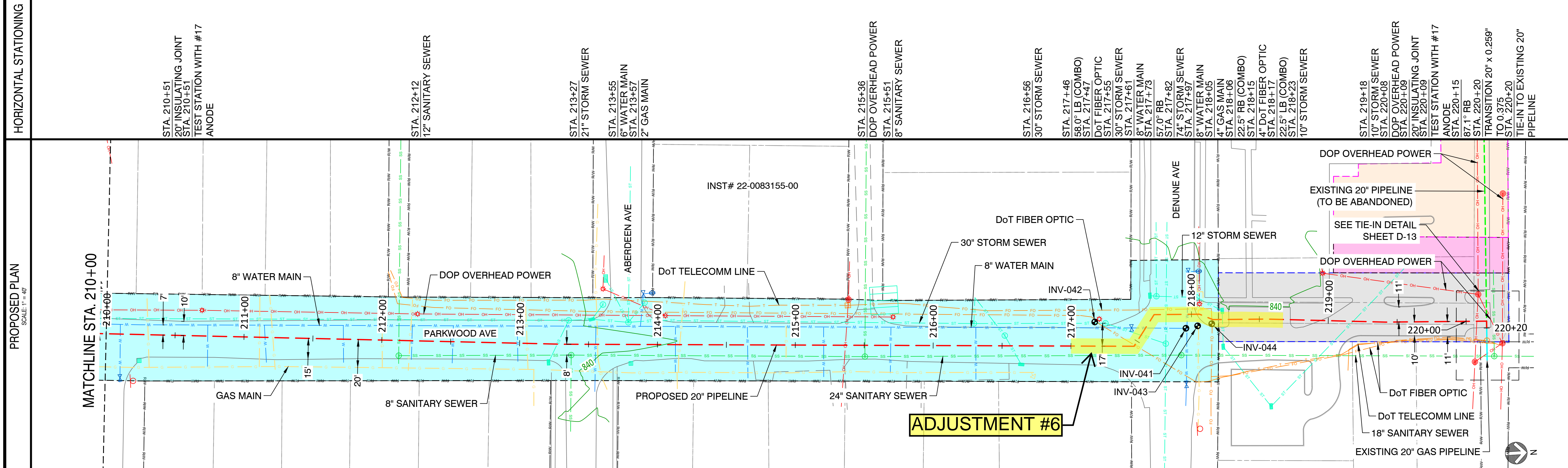
DRAWING TITLE:

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-18			OPEN CUT / OC-32		
MATERIALS	(X1) X5 ⑦ ⑦ ⑦ ⑦ ③ 1020'			⑦ ⑧ ⑧ ⑦ ⑦ (X1) X5 ⑧ ②1		



NOTES:

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MATERIAL SUMMARY

ITEM	DESCRIPTION	FT/EA
3	20" STD PIPE X-52 FBE/ARO	1020'
4	20" XH PIPE X-52 FBE/ARO	-
7	20" ELBOW, 45° 3R WPHY-52, SEGMENT	5
8	20" ELBOW, 90° 5R WPHY-52, SEGMENT	3
20	TRANSITION 20" x 0.375" TO 0.500"	-
21	TRANSITION 20" x 0.259" TO 0.375"	1
X1	20" INSULATING JOINT	2
X5	TEST STATION WITH #17 ANODE	2

CAMPOS
EPC

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PROPOSED

REVISIONS

REV. #	DATE	DESCRIPTION
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AS-BUILT BY	TBD	TBD	TBD
	NAME	DATE	PHONE #

SITE NAME:

INST# 22-0135586-00
ABAN# 22-0135587-00
INST# 22-0083155-00
ABAN# 22-0083156-00
INST# 23-0136479-00
ABAN# 23-0136480-00
PROJECT ID# 21-78790

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

DRAWING TITLE:

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

DRAWING NO:

L-23