

PLANS FOR THE CONSTRUCTION OF

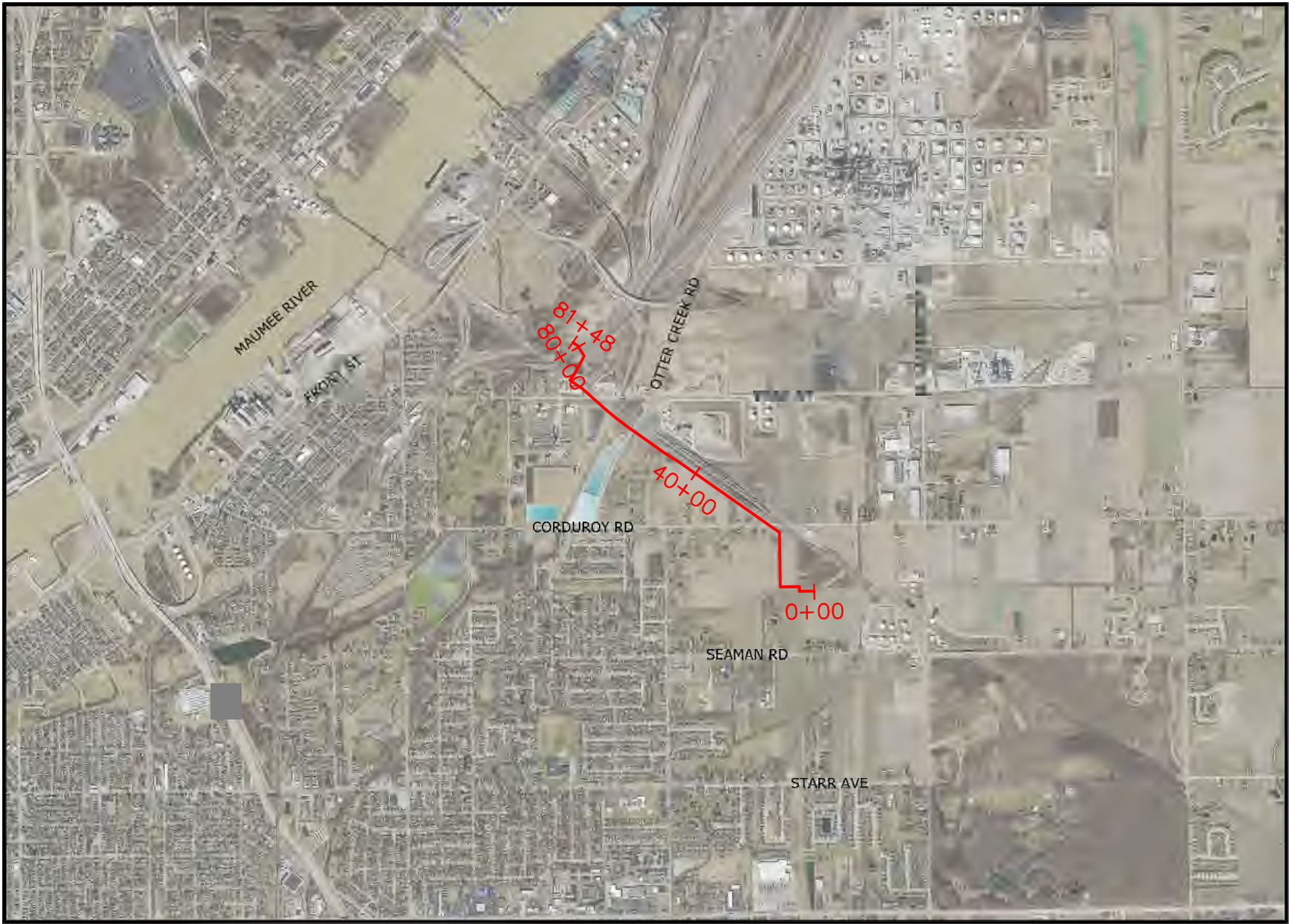
GENERATION PIPELINE, LLC

16" IRONVILLE LATERAL

LUCAS COUNTY, OH

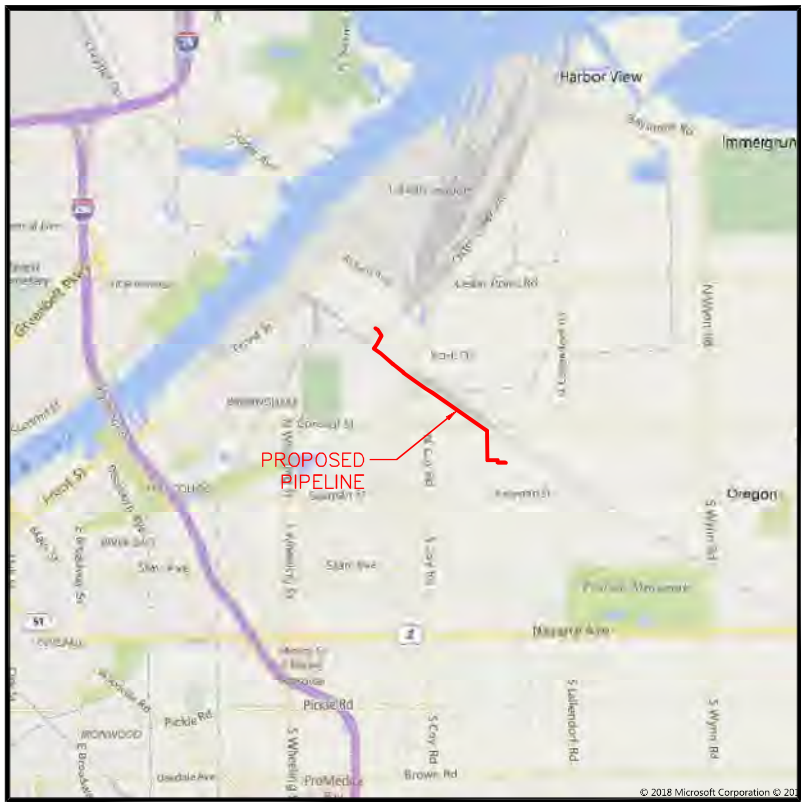
DESIGN & CONSTRUCTION STANDARDS	
DESIGN STANDARD:	CFR TITLE 49 PART 192
SYSTEM DESIGN PRESSURE:	937 PSIG
PIPELINE CLASS LOCATION:	CLASS 3
PIPELINE DESIGN FACTOR:	DF = 0.50
PIPELINE TEST PRESSURE RANGE:	1710 - 1790 PSIG
MINIMUM TEST DURATION:	8 HOURS
TEST MEDIUM:	WATER
WELDING PROCEDURE:	API 1104, § 5, 20th ED.
PIPELINE NOT FREQUENCY:	100%

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
1	COVER
2	INDEX
3	GENERAL NOTES
4	PLAN & PROFILE 1
5	PLAN & PROFILE 2
6	PLAN & PROFILE 3
7	PLAN & PROFILE 4
8	BORE PROFILE
9	CROSSING DETAILS 1
10	CROSSING DETAILS 2
11	CROSSING DETAILS 3
12	DRIVE DETAILS 1
13	DRIVE DETAILS 2
14	DRIVE DETAILS 3
15	CP OVERVIEW
16	BANK 1 DETAILS
17	BANK 2 DETAILS
18	AC OVERVIEW
19	TS 1 DETAILS
20	TS 2 DETAILS
21	TS 3 DETAILS
22	TS 4 DETAILS
23	PCR DETAILS
24	TEST HEADER
25	E&S DETAILS 1
26	E&S DETAILS 2
27	E&S DETAILS 3
28	E&S DETAILS 4
29	E&S DETAILS 5
30	E&S DETAILS 6
31	E&S DETAILS 7
32	E&S NOTES 1
33	E&S NOTES 2
34	E&S NOTES 3
35	E&S NOTES 4



OVERVIEW MAP
SCALE: 1" = 2,000'

BILL OF MATERIALS				
ITEM NO.	QTY.	UNIT	SIZE	DESCRIPTION
1	6229	FT	16"	PIPE, PE, ERW, API-SL PSL-2, GRADE X60, 0.281" WALL, W/ 14-16 MILS FBE
2	1988	FT	16"	PIPE, PE, ERW, API-SL PSL-2, GRADE X52, 0.375" WALL, W/ 14-16 MILS FBE & 30 MILS ARO
3	7	EA	16"	ELBOW, 90°, STEEL, GRADE WPHY-60, 0.281" WALL, 3R, WELD END, SEGMENTABLE (TO BE CUT)
4	7	EA	16"	ELBOW, 45°, STEEL, GRADE WPHY-60, 0.281" WALL, 3R, WELD END, SEGMENTABLE (TO BE CUT)
5	7	EA	-	TEST STATION, MODEL 1
6	11	EA	-	TEST STATION, MODEL 2
7	3	EA	-	TEST STATION, MODEL 2, W/ ZAPGARD HEAD
8	2	EA	-	TEST STATION, MODEL 3, W/ 8x 32 LB HP MG ANODES
9	2	EA	-	PCR PEDESTAL & COUPON TEST STATION, W/ ZAPGARD HEAD



LOCATION MAP
NO SCALE

CLIENT
GENERATION PIPELINE
ATTN: LEE LOCHTEFELD 830
445 HUTTONSON AVE. SUITE
COLUMBUS, OH 43235
P: 614.505.7419
F: 614.505.7212

ENGINEERING
UTILITY TECHNOLOGIES INTERNATIONAL
ATTN: HOBY GRISSET, PE
4700 HOMER OHIO LANE
GROVEPORT, OH 43125
P: 614.482.8080
F: 614.482.8070

CONTRACTOR
TBD

SURVEYOR
DGL CONSULTING ENGINEERS
ATTN: RJ LUMBREZER, PS
3455 BRIARFIELD BLVD, SUITE E
MAUMEE, OH 43537
P: 419.535.1015
F: 419.535.1429



GRAPHIC SCALE
2000' 1000' 0
1 inch = 2000 ft.

SHEET APPROVALS		BY		DATE	
NO.	LOG	NO.	LOG	NO.	LOG

CHANGE ORDER SCHEDULE		DESCRIPTION OF CHANGE		REQUIRE ON SMD PROPERTY	
NO.	LOG	NO.	LOG	NO.	LOG

Utility Technologies Intl. Corporation
Total Capabilities in the Pipeline Industry
4700 Homer Ohio Lane
Groveport, OH 43125
P: 614-482-8080
F: 614-482-8070
www.uti-corp.com

GENERATION PIPELINE, LLC
IRONVILLE LATERAL
LUCAS COUNTY, OH
COVER SHEET

IFA
(ISSUED FOR APPROVAL)

DESIGN	DRAFT	CHECK
BJR	KDG	CPL/HGG

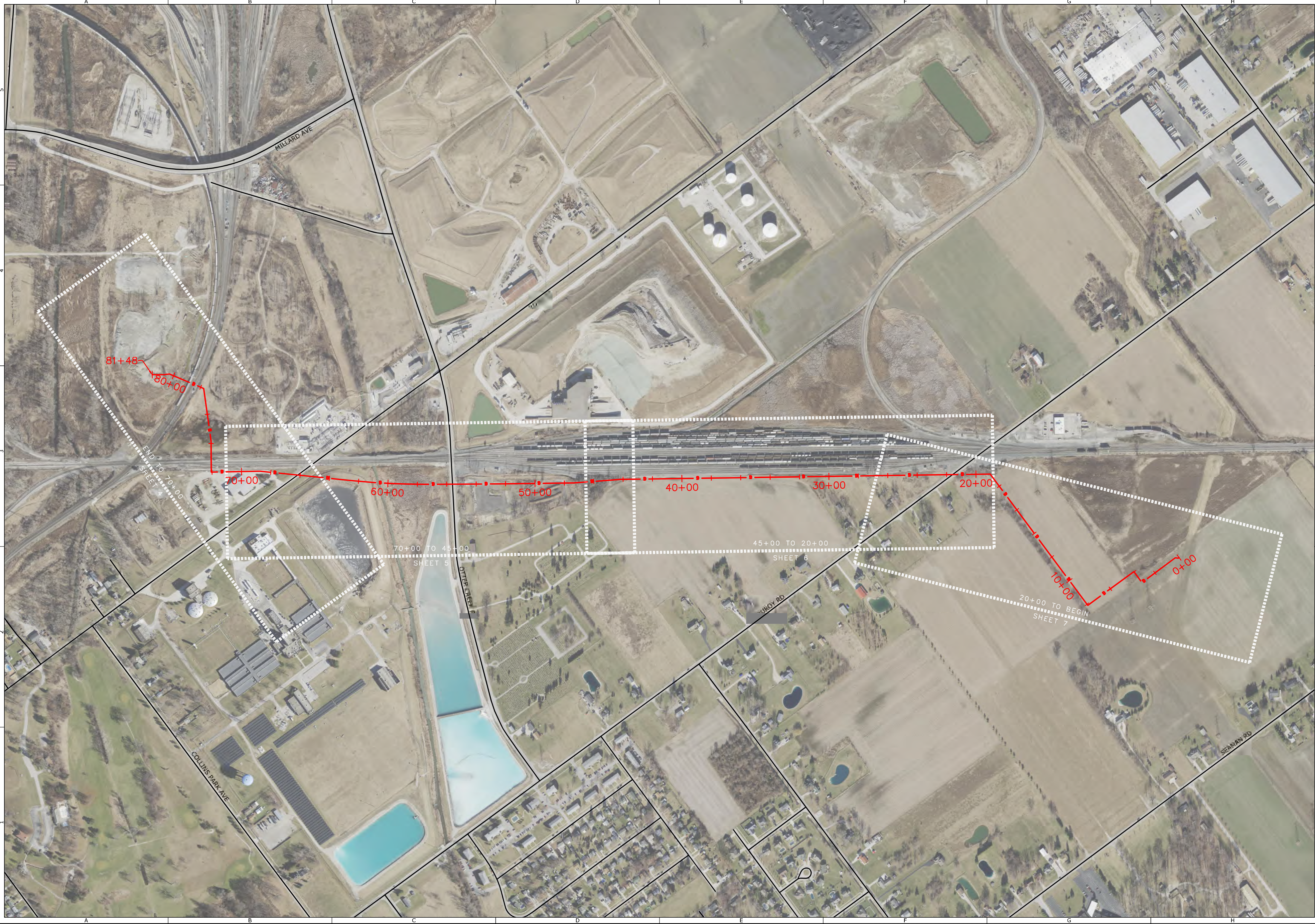
PROJECT #:
17-031

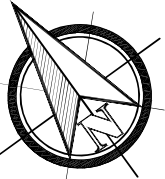
DATE:
7/25/2018

SCALE:
HORIZONTAL: 1" = 2000'
VERTICAL: 1" = N/A

DRAWING #:
17031-200

SHEET #:
1/35





GRAPHIC SCALE
300' 150' 0'
1 inch = 300 ft.

SHEET APPROVALS	
NO.	BY DATE
ALL	LOG S/E

CHANGE ORDER SCHEDULE	
#	DESCRIPTION OF CHANGE
1	REROUTE ON SHM PROPERTY



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GENERATION PIPELINE, LLC
IRONVILLE LATERAL
LUCAS COUNTY, OH
INDEX SHEET

IFA

(ISSUED FOR APPROVAL)

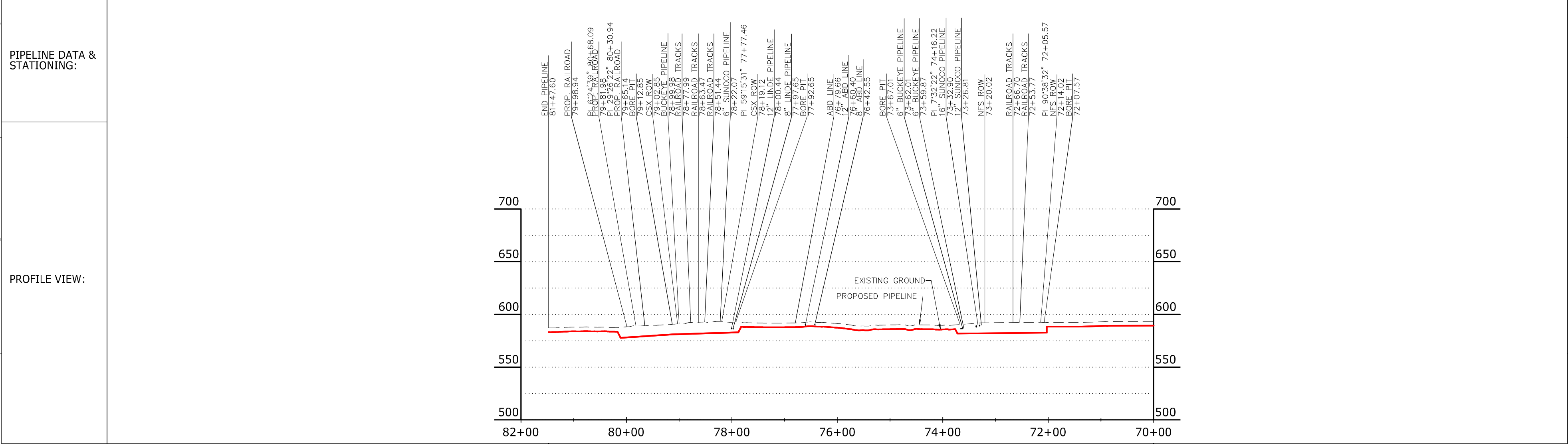
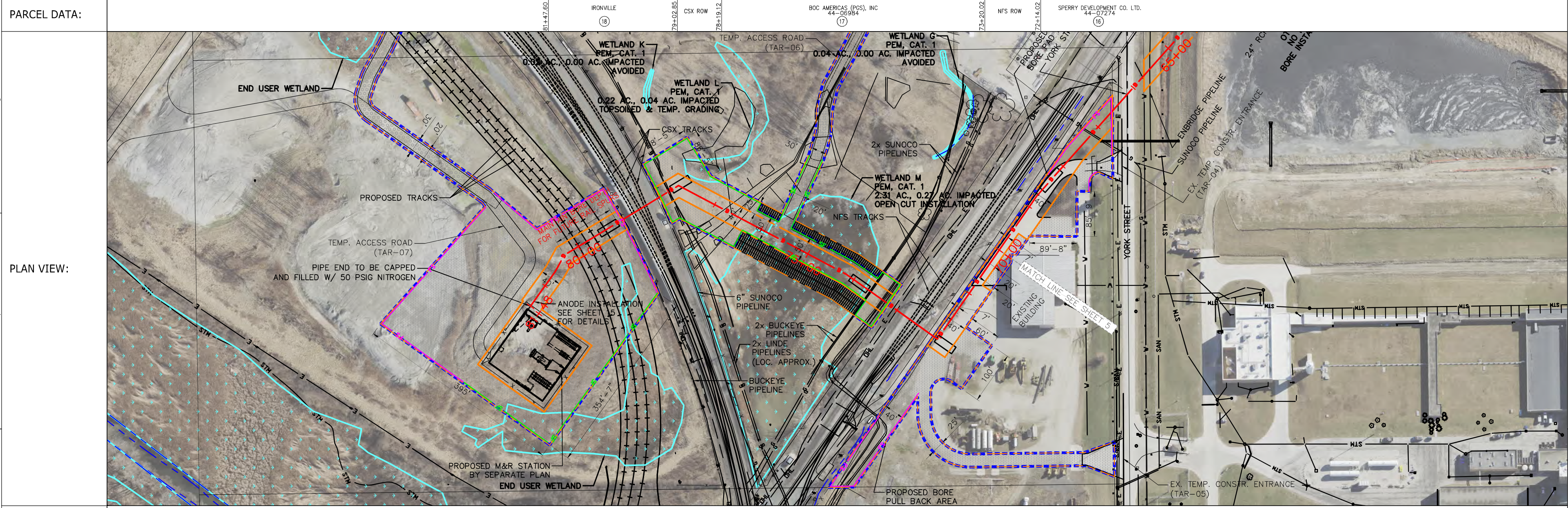
DESIGN	DRAFT	CHECK
BJR	KDG	CPL/HGG

UTL PROJECT #	DATE
17-031	7/25/2018

SCALE:	HORIZONTAL:	VERTICAL:
	1" = 300'	1" = N/A

DRAWING #
17031-200

SHEET #
2/35



CLASS DESIGN:	CLASS 3	
DESIGN FACTOR:	0.50	
PIPE DETAIL:	81+42.3 3 80+30.94 1 80+13.86 2 79+18 2 78+54 2 78+17 2 77+47.45 1 77+42.35 1 76+42.35 1 75+42.35 1 74+42.35 1 73+42.35 1 72+42.35 1 71+42.35 1 70+42.35 1	
	238' 3 121' 6 431' 1 160' 3 214' 1	

GRAPHIC SCALE
100 50 0 100
1 inch = 100 ft.

CHANGE ORDER SCHEDULE			
SHEET APPROVALS			
NO.	BY	DATE	
ALL	LOG	S/E	
DESCRIPTION OF CHANGE			
REQUIRE ON SMD PROPERTY			
#			
1			

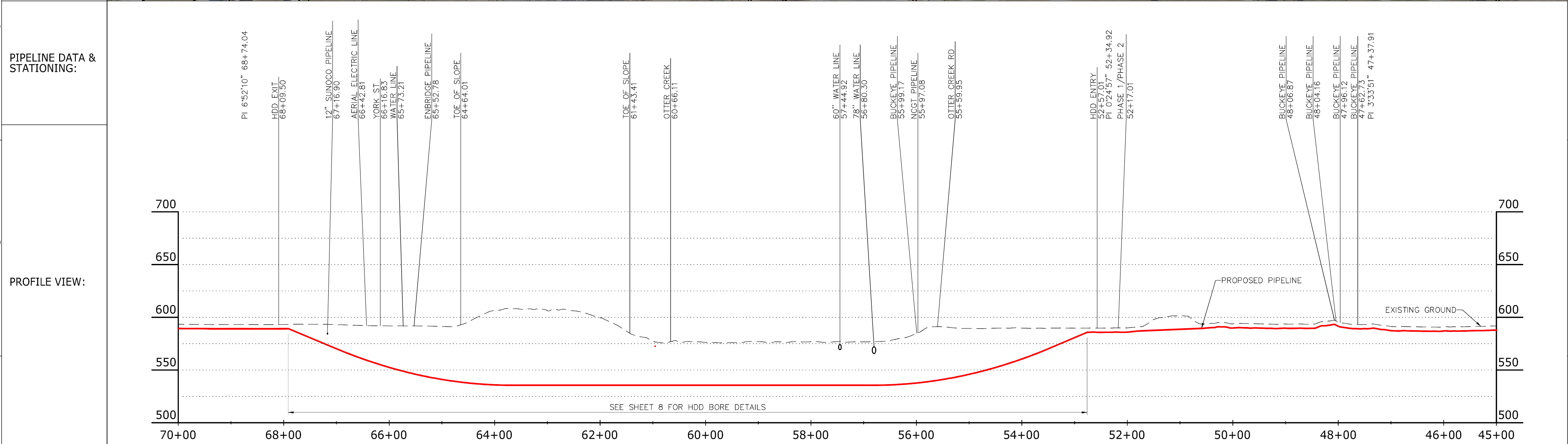
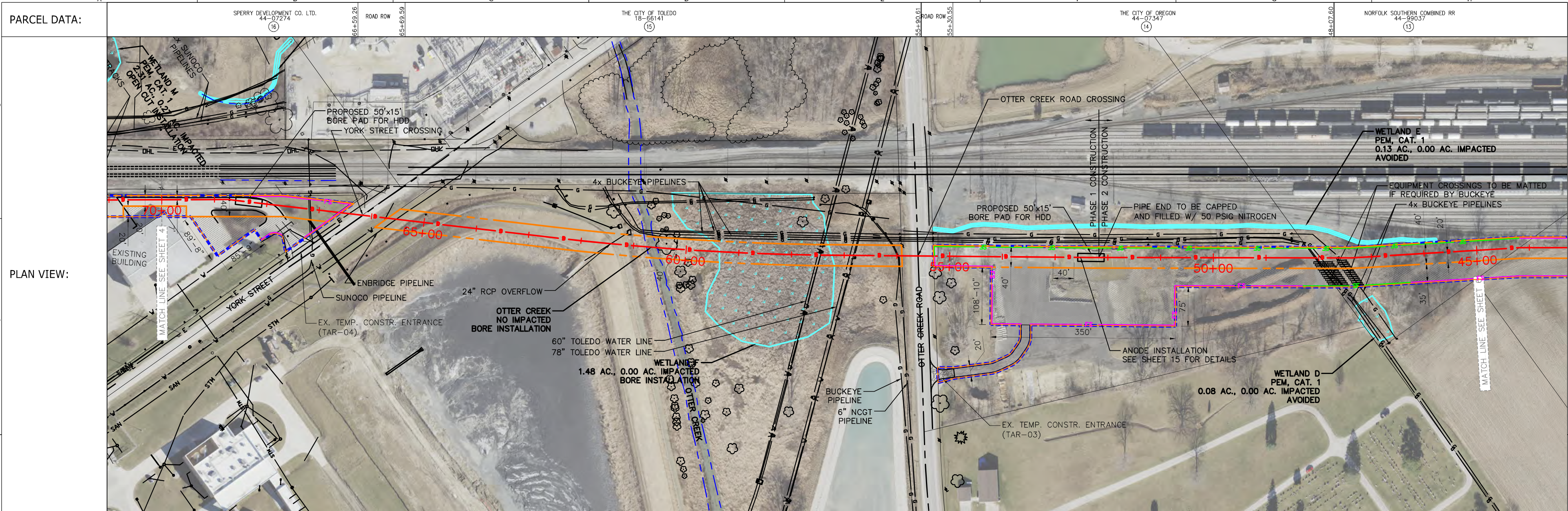
Utility Technologies Intl. Corporation
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GENERATION PIPELINE, LLC
IRONVILLE LATERAL

LUCAS COUNTY, OH
PLAN & PROFILE SHEET
END TO 70+00

IFA
(ISSUED FOR APPROVAL)

DESIGN	DRAFT	CHECK
BJR	KDG	CPL/HGG
UTL PROJECT #:	DATE:	
17-031	7/25/2018	
SCALE:		
HORIZONTAL:		1" = 100'
VERTICAL:		1" = 50'
DRAWING #:		17031-200
SHEET #:		4/35



CLASS DESIGN:	CLASS 3									
DESIGN FACTOR:	0.50									
PIPE DETAIL:	1 209' 5 6 2 156.3' 8 3 778' 6 6 6 6									
A	B	C	D	E	F	G	H			

GRAPHIC SCALE
100 50 0 100
1 inch = 100 ft.

CHANGE ORDER SCHEDULE		SHEET APPROVALS	
#	DESCRIPTION OF CHANGE	NO.	DATE
1	REQUIRE ON SMD PROPERTY <td>ALL</td> <td>LOG S/D</td>	ALL	LOG S/D

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GENERATION PIPELINE, LLC

IRONVILLE LATERAL

LUCAS COUNTY, OH

PLAN & PROFILE SHEET
70+00 TO 45+00

IFA

(ISSUED FOR APPROVAL)

DESIGN	DRAFT	CHECK
BJR	KDG	CPL/HGG

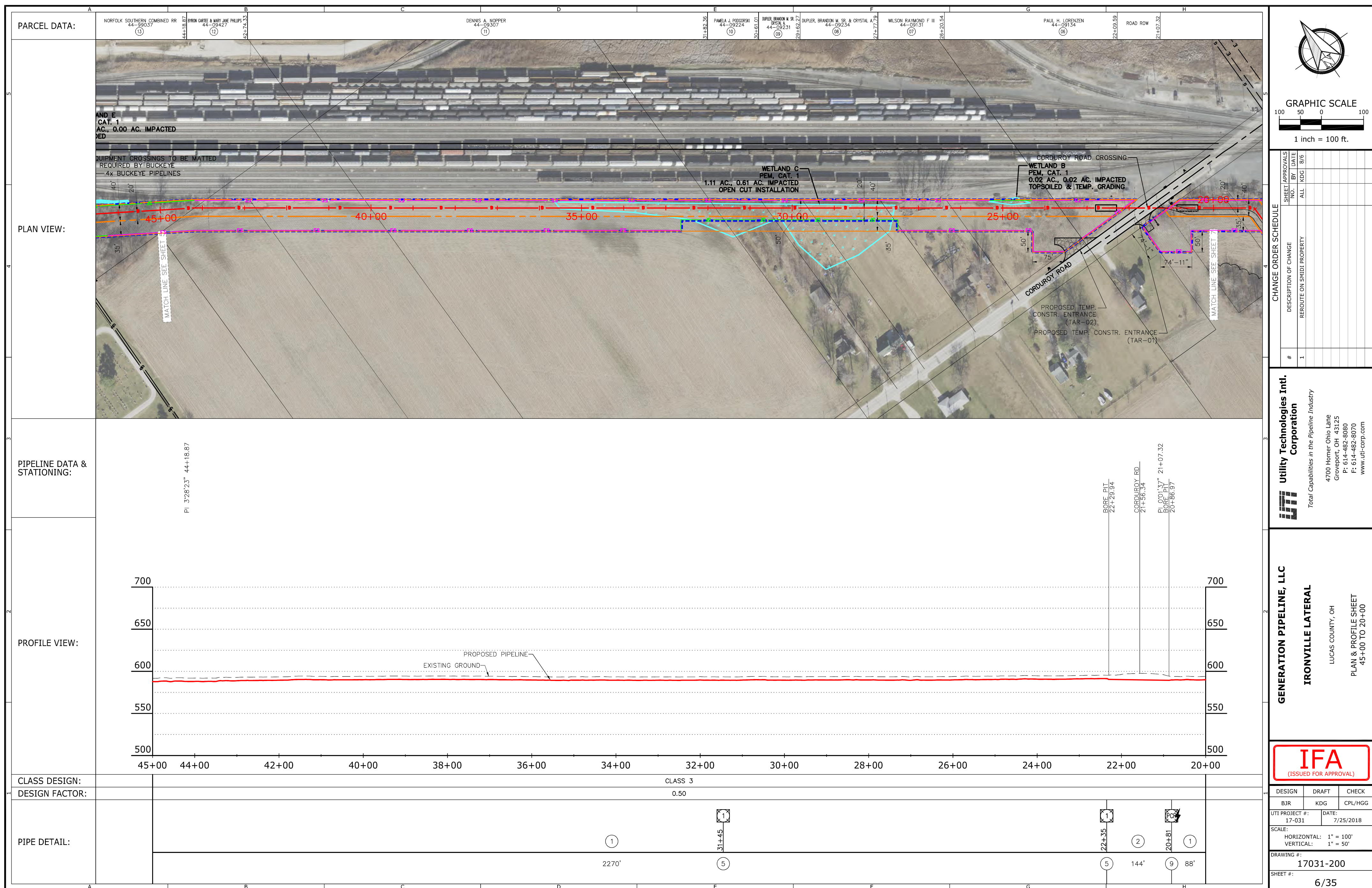
UTL PROJECT #:	DATE:
17-031	7/25/2018

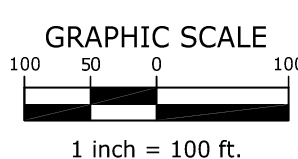
SCALE:	HORIZONTAL:	VERTICAL:
	1" = 100'	1" = 50'

DRAWING #:
17031-200

SHEET #:
5/35

\\utl01\project\corporate\generation\lateral\17031-001\ironville\c005\agreement\17031-001_ironville_c005_agreement_sheets\ag_lateral\plan & profile 2 by ingram on 10/20/2018 @ 1:22:28 pm - © Utility Technologies International



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**Utility Technologies Intl.
Corporation**

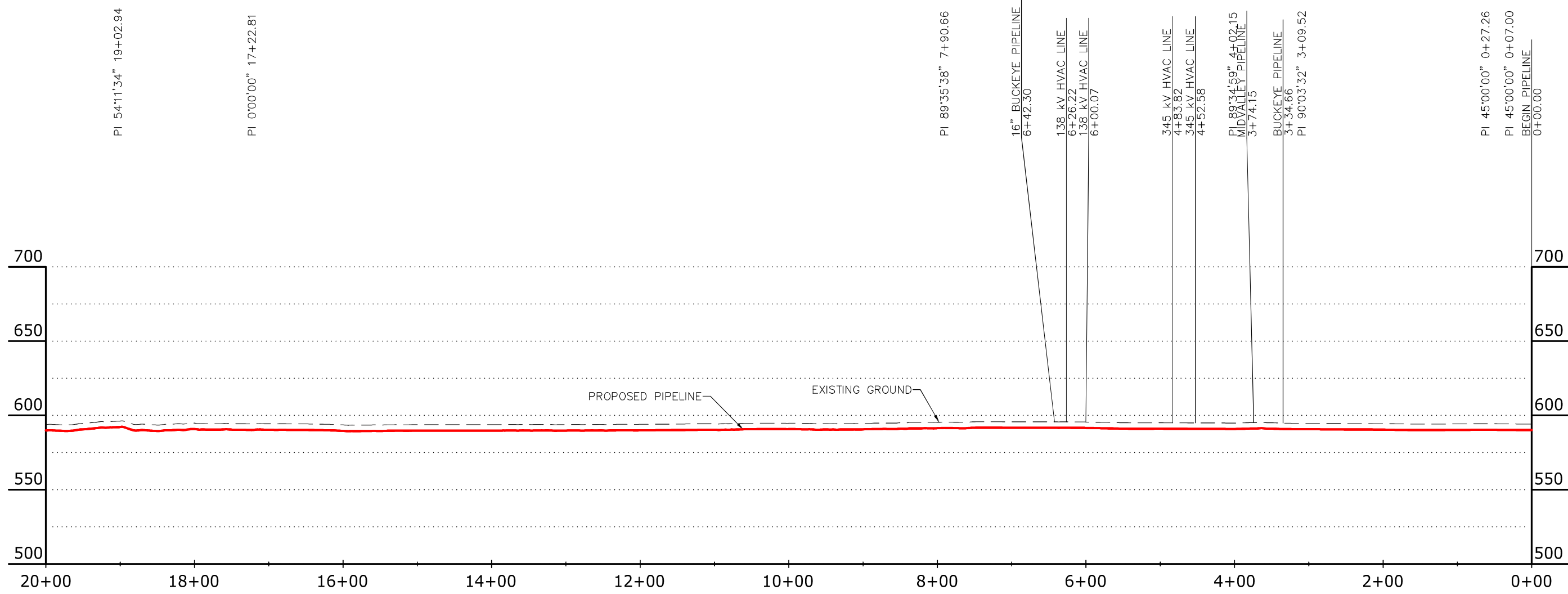
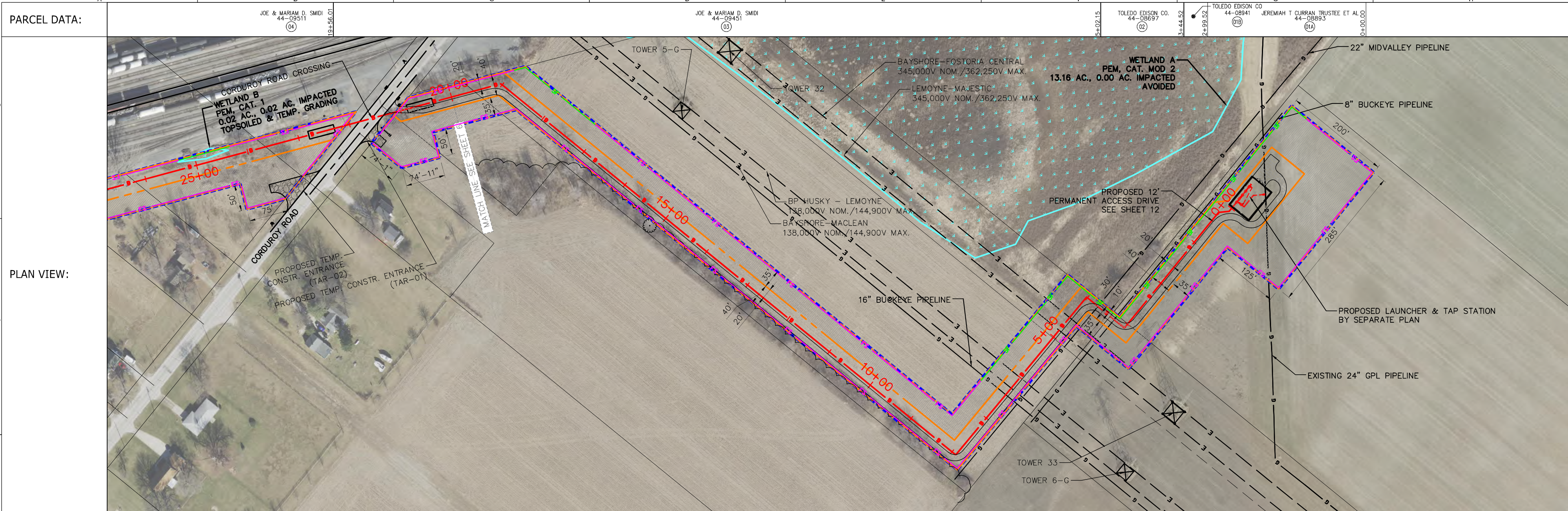
Total Capabilities in the Pipeline Industry

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GENERATION PIPELINE, LLC
IRONVILLE LATERAL
LUCAS COUNTY, OH
PLAN & PROFILE SHEET
20+00 TO BEGIN

IFA
(ISSUED FOR APPROVAL)

DESIGN	DRAFT	CHECK
BJR	KDG	CPL/HGO
JTI PROJECT #: 17-031		DATE: 7/25/2018
SCALE:		
HORIZONTAL:		1" = 100'
VERTICAL:		1" = 50'
DRAWING #:		
17031-200		
SHEET #:		

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This foregoing document was electronically filed with the Public Utilities

Commission of Ohio Docketing Information System on

11/14/2018 4:52:18 PM

in

Case No(s). 18-1601-GA-BLN

Summary: Letter of Notification - Attachment E (Part 1 of 3) electronically filed by Mr. Michael J. Settineri on behalf of Generation Pipeline LLC