

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

**ELECTRONIC APPLICATION OF DELTA)
NATURAL GAS COMPANY, INC. FOR A)
CERTIFICATE OF PUBLIC)
CONVENIENCE AND NECESSITY TO)
CONSTRUCT A PIPELINE TO SERVE)
THE CITIES OF NICHOLASVILLE AND)
WILMORE)**

CASE NO. 2022-00085

**TESTIMONY OF
JONATHAN MORPHEW
DIRECTOR OF OPERATIONS
DELTA NATURAL GAS COMPANY, INC.**

Filed: March 25, 2022

Background

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24

Q. Please state your name and business address.

A. My name is Jonathan Morpew. My business address is 3617 Lexington Road, Winchester, Kentucky 40391.

Q. By whom are you employed and in what capacity?

A. I am employed by Delta Natural Gas Company, Inc. (“Delta”) as its Director of Operations.

Q. Please briefly describe your professional history with Delta.

A. My career with Delta dates back to 1987, when I began as an SR Engineering Technician. I was promoted to Lead Engineer in 1989 and Director – Engineering in 1995. In 2003, I was promoted to Manager – Engineering with oversight over the Corrosion and Measurement & Regulation departments. In 2016, I was promoted to SR Manager – Distribution and managed the Engineering, Construction, Corrosion, Measurement & Regulation, and Distribution departments. I was promoted to Delta’s Vice President – Operations in 2018 with oversight over Delta’s Engineering, Construction, Corrosion, Measurement & Regulation, Distribution, Transmission, and Safety Operations. Effective May 1, 2021, my title changed to Director of Operations. My responsibilities as Director of Operations remain the same as they were when I served as Vice President – Operations.

Q. Please briefly describe your educational background.

A. I attended Morehead State University and received a Bachelor of Science degree in Industrial Technology in 1985. I was employed by Nucor Steel in Grapeland, Texas and Palmer Engineering in Winchester, Kentucky before beginning my career at Delta in 1987.

Q. Have you previously testified before this Commission?

A. Yes. I presented testimony before the Kentucky Public Service Commission (“Commission”) in Delta’s recent base rate case, Case No. 2021-00185.

1 **Q. What is the purpose of your testimony?**

2 A. My testimony describes and supports Delta's request for a Certificate of Public
3 Convenience and Necessity ("CPCN") for construction of a pipeline that will provide the
4 Nicholasville and Wilmore portions of Delta's system with necessary redundancy and
5 capacity.

6 **Q. Please describe the CPCN Delta is requesting in this proceeding.**

7 A. Delta is requesting a CPCN to construct an 8-inch steel transmission pipeline that is
8 approximately 17 miles in length. The pipeline will serve the Nicholasville and Wilmore
9 distribution areas. The Nicholasville and Wilmore system serves approximately 9,100
10 customers and is the largest and most concentrated area of service in Delta's system.

11 **Q. Is this the same project for which Delta requested a CPCN in Case No. 2021-00185?**

12 A. Yes. In Delta's recent rate case, Delta requested the CPCN and in doing so, requested a
13 deviation from the filing requirements that require engineering plans and drawings because
14 it considered it financially prudent to wait to engineer the line until a CPCN was granted.
15 On October 18, 2021, the Commission issued an order denying Delta's request for a
16 deviation from the CPCN requirements. Delta informed the Commission that it was
17 withdrawing its request for the CPCN in Case No. 2021-00185 and that it planned to file a
18 new application for the CPCN in the first quarter of 2022.

19 **Q. Is the pipeline necessary for the same reasons you described in your testimony in Case
20 No. 2021-00185?**

21 A. Yes. The need for the pipeline is twofold: redundancy and capacity. First, the
22 Nicholasville and Wilmore areas are currently served only by Delta's Nicholasville
23 Transmission Line, which delivers high pressure natural gas from Buckeye in Garrard

1 County to the south side of Nicholasville in Jessamine County. This pipeline is 12 miles
2 in length and lies predominantly in rural areas, which includes crossing the Kentucky
3 River. If this pipeline experiences a failure, there is no redundancy in the area and the more
4 than 9,000 customers in that area could lose gas service. There is no other area in Delta's
5 service territory where so many customers are served from a single line.

6 With the increased construction of housing and other economic development in
7 Jessamine County, Delta is especially concerned about the redundancy in the Nicholasville
8 system. This brings me to the second reason why the project is necessary. As Jessamine
9 County has grown, there is an increasing need for volume and pressure on the north side
10 of the system at the Fayette County line. Nicholasville has also experienced minor capacity
11 constraints and a bottleneck in the system. To address this bottleneck, Delta considered a
12 project in Nicholasville to replace and upgrade lines at an approximate cost of \$1 million.
13 Delta will be able to avoid this project and cost if it builds the proposed pipeline.

14 Once completed, the proposed pipeline will supply natural gas from a separate
15 provider. With this secondary supply, there will be a significant enhancement in the
16 reliability of supply as the area continues to grow while simultaneously eliminating any
17 operational concerns should there be a failure in supply from either supplier. Because this
18 pipeline is necessary to secure the integrity of the Nicholasville and Wilmore systems and
19 support further growth in Jessamine County, Delta requests the Commission grant it a
20 CPCN to construct the pipeline.

21 **Q. In addition to providing needed redundancy and capacity, are there any other**
22 **potential benefits of the pipeline?**

1 A. Yes. At times, natural gas pricing is different between interstate gas providers. The new
2 pipeline Delta plans to construct will tap an interstate gas pipeline and provide Delta with
3 more options in arranging its supply portfolio to deliver the lowest possible price of gas to
4 its customers.

5 **Q. Please describe Delta’s process to obtain plans and drawings for the pipeline.**

6 A. Delta had originally planned to engineer the pipeline in-house. Given the great need for
7 the pipeline, Delta sought bids from engineering firms for plans and drawings for the
8 pipeline one day after Delta received the Commission’s order denying Delta’s deviation
9 request. On November 2, 2021, Delta awarded the project to EnSite USA. EnSite USA
10 has prepared the map, plans, and drawings for the project, which are attached to my
11 testimony as Exhibit JM-1.

12 **Q. Please describe the proposed route of the proposed pipeline.**

13 A. Delta plans to tap into an interstate pipeline and run the pipeline approximately 17 miles to
14 connect to the Nicholasville system from the east/southeast direction. As shown on Exhibit
15 JM-1, the map and plans provide details of the proposed route.

16 **Q. Is it possible that the route for the pipeline could change?**

17 A. Yes, because Delta has not completed field verifications. As the properties are surveyed
18 and necessary testing is performed, Delta may determine that some properties are not
19 suitable for construction or minor deviations are required. Thus, it is possible that the route
20 could change slightly and Delta could cross properties not included on the preliminary
21 plans.

22 **Q. What is the timeline for this project?**

1 A. Delta expects to begin construction in 2023. Delta hopes to complete the pipeline by the
2 end of the construction season in 2024.

3 **Q. Delta stated in Case No. 2021-00185 that it expects to acquire right-of-way for the**
4 **project in 2022. Does Delta still plan to do so?**

5 A. The Company is awaiting the Commission’s grant of a CPCN before performing additional
6 planning of the project. Thus, whether Delta acquires right-of-way for the project in 2022
7 depends on the timing of the approval of the CPCN and other utility priorities at that time.
8 When the CPCN is approved, other projects may be underway that would necessitate
9 delaying the commencement of right-of-way acquisition work until 2023.

10 **Q. Did Delta consider alternatives instead of the proposed pipeline?**

11 A. Yes. Delta has been concerned about the need for redundancy and additional capacity in
12 Nicholasville for several years. As a result of these concerns, Delta extensively researched
13 other avenues of providing an additional natural gas supply to the area. Delta first
14 approached two natural gas companies in relatively close proximity to the area and inquired
15 about the possibility of tapping in to those systems to procure an additional natural gas
16 supply.¹ These attempts were not successful. Both natural gas companies cited supply
17 constraints when justifying their conclusion, which further highlights the need for a new
18 high pressure natural gas line for the region.² The proposed pipeline for which Delta is
19 seeking the CPCN is the best and least cost option.

20 **Q. What is the cost of this project?**

¹ See Case No. 2021-00185, Delta’s Response to Commission Staff’s Second Request for Information, Question No. 18; Delta’s Response to Commission Staff’s Third Request for Information, Question No. 9.

² *Id.*

1 A. At this time, Delta estimates the project will cost approximately \$19,127,805. Attached to
2 my testimony as Exhibit JM-2 is a detailed preliminary cost estimate for the project.

3 **Q. Please describe the right-of-way Delta plans to acquire for the pipeline.**

4 A. Delta plans to acquire all right-of-way in easement, except for the purchase station lot
5 which may be purchased in fee. Delta will utilize EnSite USA for assistance in the right-
6 of-way acquisition process. Delta will not begin acquiring right of way until a CPCN is
7 obtained.

8 **Q. Will the properties the pipeline crosses have the option to receive gas service?**

9 A. Yes. Properties the pipeline crosses will have the option to tap onto the line and receive
10 gas service as Delta customers.

11 **Q. Please describe the estimated annual cost of operation of the pipeline.**

12 A. Delta estimates the annual cost of operation of the pipeline will be \$16,050. The estimated
13 annual cost of operation does not include depreciation, property tax expense, insurance,
14 and financing expenses. The majority of this cost is due to right-of-way mowing and
15 maintenance. The pipeline will be constructed and maintained using a right-of-way of
16 approximately 40 feet in width. Delta must maintain the right-of-way so that the pipeline
17 is accessible at all times in case of an emergency. Maintenance includes mowing and
18 general vegetation removal, which is performed every two to three years depending on
19 vegetation growth.

20 Additionally, Delta will patrol the entire right-of-way twice annually to ensure the
21 pipeline and associated operations meet all safety compliance requirements. All regulatory
22 stations and above ground valves will be inspected annually to ensure proper condition and

1 operation. Delta will also perform and document cathodic testing and inspection annually,
2 which requires electric service.

3 To summarize, Delta estimates it will incur the following annual operational
4 expenses for the pipeline:

- 5 • Right-of-way mowing/maintenance: \$11,000
- 6 • Line patrol: \$1,300
- 7 • Leak survey: \$1,300
- 8 • Electric usage/rectifier operation: \$700
- 9 • Measurement and regulation operations: \$1,000
- 10 • Painting/miscellaneous maintenance: \$400
- 11 • Transmission valve inspection: \$350

12 Each of these expenses helps ensure the safety of Delta's customers and employees.

13 **Q. Please describe the manner in which the pipeline will be constructed.**

14 A. This project will consist of the construction of a purchase station from an interstate pipeline
15 located approximately 17 miles southeast of the City of Nicholasville. Delta plans to
16 construct the pipeline using 8-inch steel pipe with 0.322-inch wall thickness. All pipe
17 joining will be welded and non-destructively tested using x-ray technology. All pipe
18 installed below ground will be coated in its entirety, and all welded joints will be coated
19 upon completion of the welds for protection from corrosion. Additional cathodic
20 protection will be provided by use of rectifier voltage being applied. All piping and
21 associated facilities installed above ground will be painted in order to prohibit atmospheric
22 corrosion. Upon the completion of construction, the pipeline will be hydrostatically tested
23 to a minimum of 1,080 psi, rendering a 720 psi maximum allowable operating pressure.

1 All fittings associated with the pipeline will be pressure rated for 720 psi or greater. The
2 construction process will predominately include open trench excavation, excluding main
3 line valves which will be installed above ground to help ensure safety of operation and
4 maintenance. All underground pipeline facilities will be installed at a minimum of 36
5 inches of cover unless state or federal codes require greater depth. All waterway crossings
6 deemed “navigable” by the US Army Corps of Engineers will be horizontally directional
7 drilled to prevent any environmental damages near or in the waterway. During and upon
8 completion of the project, all right-of-way shall be restored to a minimum of original
9 condition.

10 **Q. Has Delta contacted the interstate pipeline company regarding the tap?**

11 A. Yes. Delta has discussed the new tap with the interstate pipeline company, which is
12 amenable to Delta constructing a tap for the purpose of constructing the pipeline.

13 **Q. Has Delta obtained any permits for this project?**

14 A. Not at this time. Delta understands that the construction of this pipeline will require several
15 permits and will obtain these permits when necessary. Should the Commission grant the
16 CPCN, Delta will file copies of its permits with the Commission if requested to do so.

17 **Q. Does this conclude your testimony?**

18 A. Yes.

VERIFICATION


COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF CLARK)

The undersigned, **Jonathan W. Morpew**, being duly sworn, deposes and says he is Director of Operations of Delta Natural Gas Company, Inc., that he has personal knowledge of the matters set forth in his testimony, and his testimony is true and correct to the best of his information, knowledge, and belief.



JONATHAN W. MORPHEW

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 15th day of March, 2022.



Notary Public (SEAL)

My Commission Expires:
12-15-25

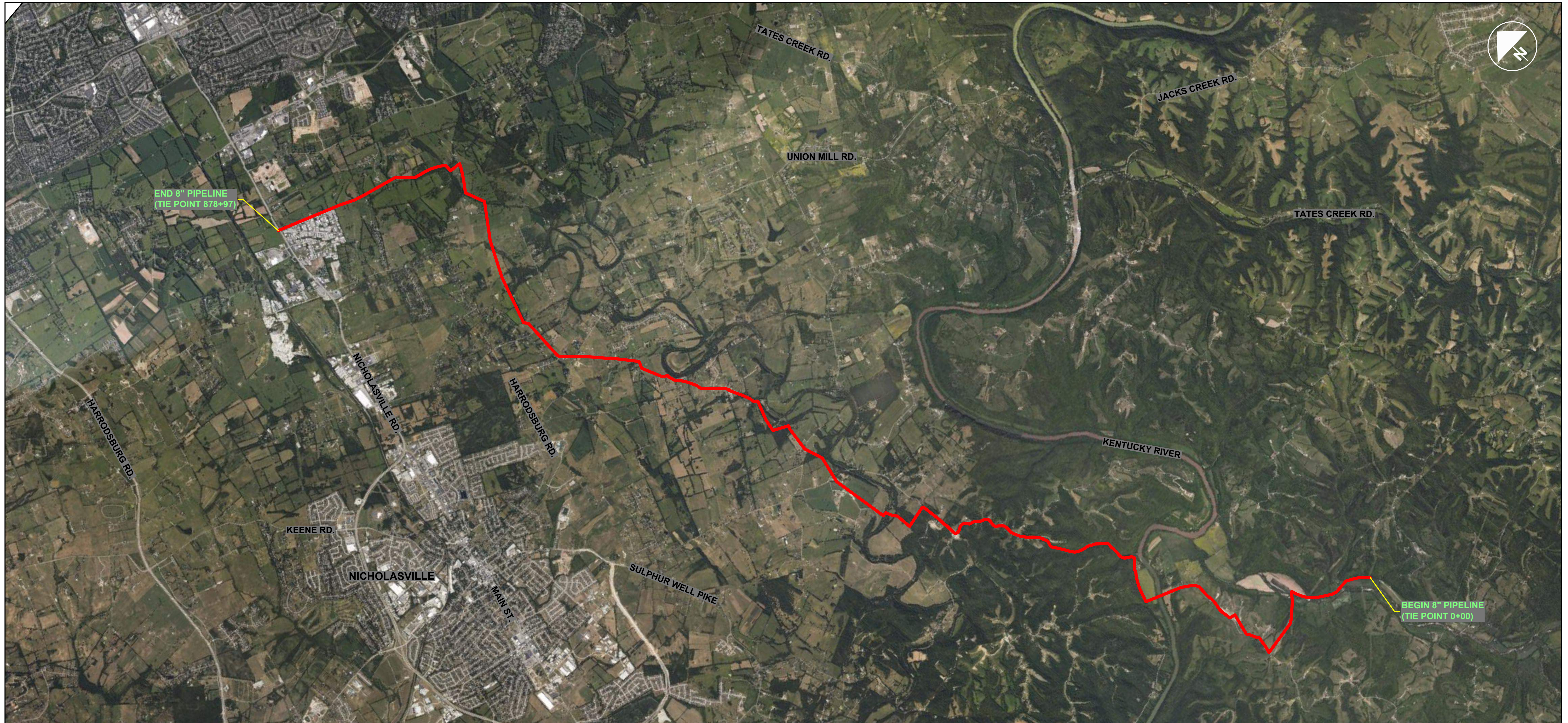


8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC



03/21/2022

FOR REVIEW



Z:\7342_0000.DWG Nicholasville 2ndFD_Cover17342_0000_0000031712022_11:03:24 AM, Last Saved 12/8/2021 1:32:29 PM by SPECTRLES, Last Plot 3/21/2022 11:03:24 AM by SHAWN PEOPLES



**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**

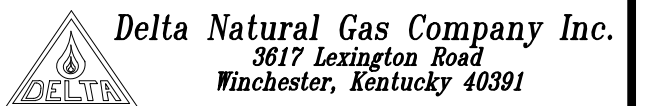


NOTE:
DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL.
THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
C	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 3000'
CITY / TOWNSHIP: VARIES	COUNTY: VARIES
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC GENERAL COVER		
EnSiteUSA DWG NO. 0000	SHEET NO. SHEET 1	REV. C



DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

DRAWING INDEX				
SHEET NO.	DWG. NO.	SHEET TITLE	REV	DATE
GENERAL				
1	0000	COVER	C	03/18/2022
2	0001	INDEX	C	03/18/2022
3	0002	DETAIL	C	03/18/2022
PIPELINE				
4	1014	ALIGNMENT	C	03/18/2022
5	1013	ALIGNMENT	C	03/18/2022
6	1012A	ALIGNMENT	C	03/18/2022
7	1012	ALIGNMENT	C	03/18/2022
8	1011	ALIGNMENT	C	03/18/2022
9	1010	ALIGNMENT	C	03/18/2022
10	1009	ALIGNMENT	C	03/18/2022
11	1008	ALIGNMENT	C	03/18/2022
12	1007	ALIGNMENT	C	03/18/2022
13	1006	ALIGNMENT	C	03/18/2022
14	1005	ALIGNMENT	C	03/18/2022
15	1004	ALIGNMENT	C	03/18/2022
16	1003	ALIGNMENT	C	03/18/2022
17	1002	ALIGNMENT	C	03/18/2022
18	1001	ALIGNMENT	C	03/18/2022
19	1000A	ALIGNMENT	C	03/18/2022
DETAILS & BOM				
20	9000	MADISON CO. PURCHASE POINT SCHEMATIC	C	03/18/2022
21	9001	TOWN BORDER STATION SCHEMATIC	C	03/18/2022

LEGEND:

PROPOSED 8" PIPELINE	—
RAVINE/CREEK	—
WETLAND	—
PARCELS	—
RIVER	—

Z:\7342_0000.DWG Nicholasville 2ndFD_Cover\7342_0000_00013121\2022_11:08:42 AM, Last Saved 3/18/2022 3:42:13 PM by SPECTRLES, Last Plot 3/21/2022 11:08:42 AM by SHAWN PEOPLES



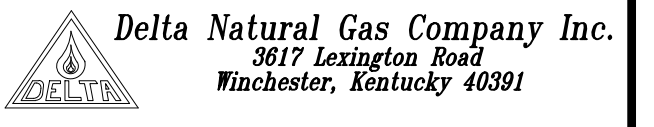
RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022



REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING
----	----	----	----

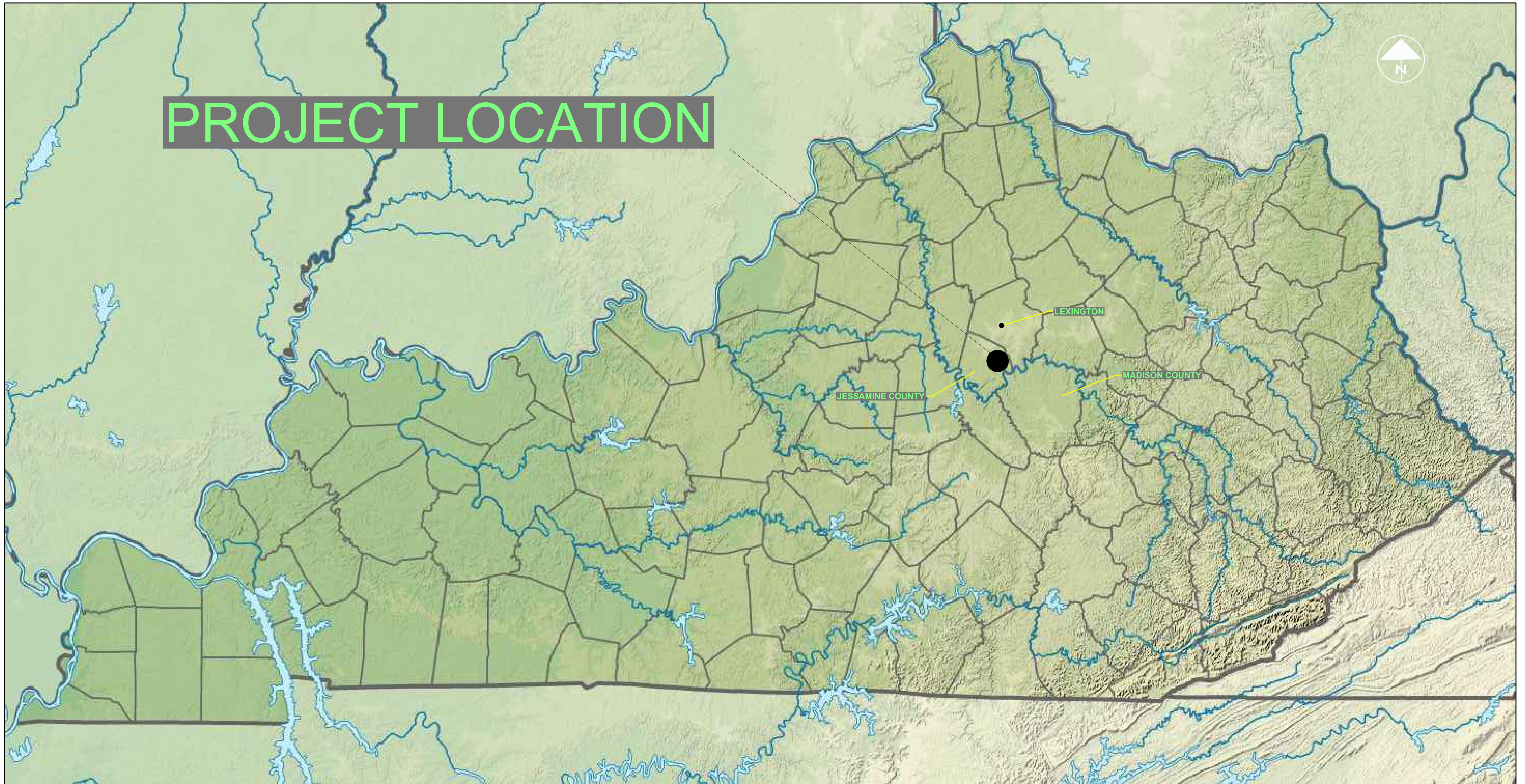
OPERATING CENTER: ----		DIVISION: ----	
PROJECT#: 7342.0000	SCALE: N.T.S.		
CITY / TOWNSHIP: VARIES	COUNTY: VARIES	STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC GENERAL INDEX			
EnSiteUSA DWG NO. 0001	SHEET NO. SHEET 2	REV. C	



DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

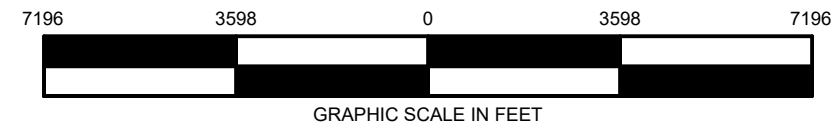
PROJECT LOCATION



Z:\7342\0000.DWG Nicholasville 2ndFD_Cover17342_0000_0000202112022 11:07:20 AM, Last Saved 12/8/2021 12:25:04 PM by SREDFLES, Last Plot 3/21/2022 11:07:20 AM by SHAWN PEOPLES



RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022

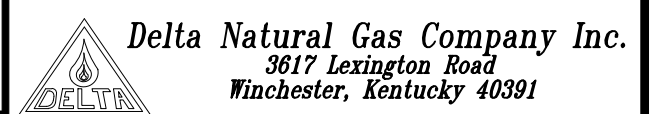


NOTE:
DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL.
THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

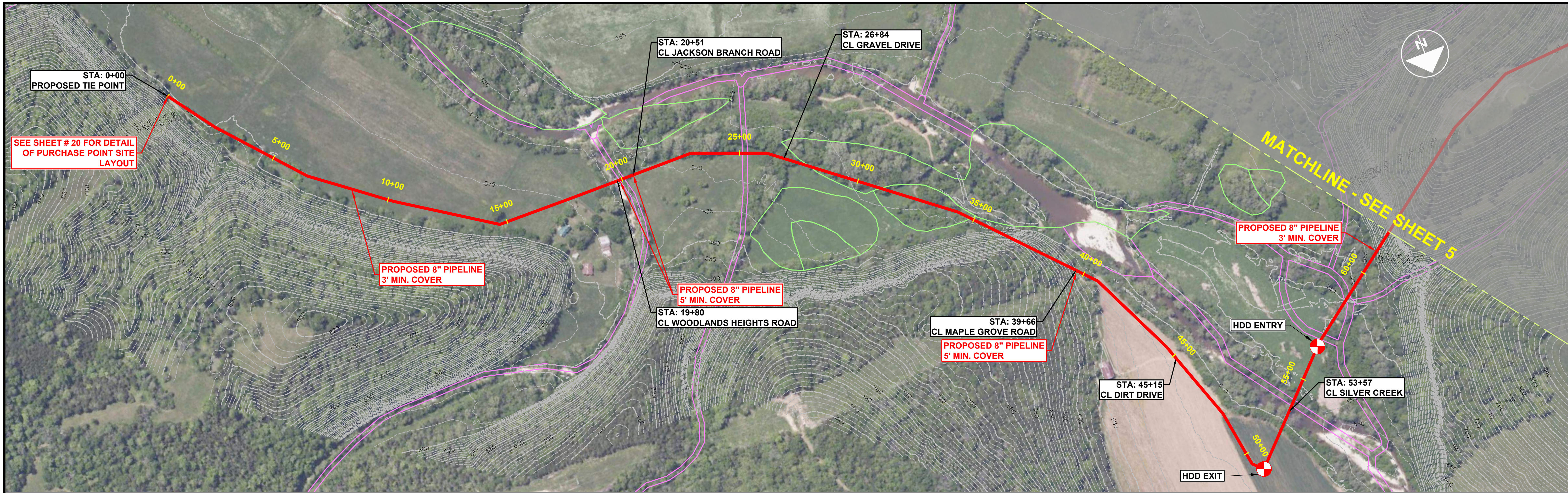
REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING
----	----	----	----

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: N.T.S.
CITY / TOWNSHIP: RICHMOND	COUNTY: STATE: MADISON KY

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC GENERAL DETAIL		
EnSiteUSA DWG NO. 0002	SHEET NO. SHEET 3	REV. C



DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.



LEGEND:

- PROPOSED 8" PIPELINE (Red line)
- RAVINE/CREEK (Pink line)
- WETLAND (Green line)
- PARCELS (Blue line)
- RIVER (Black line)

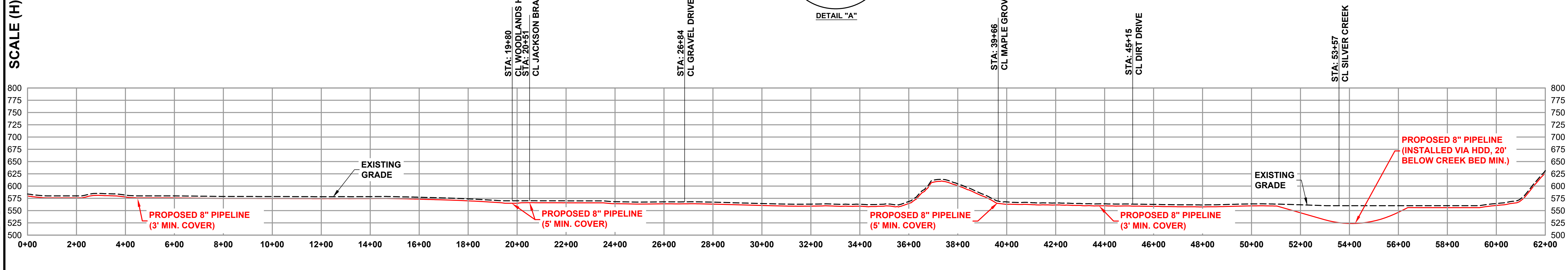
SCALE (H): 1"=200' (V): 1"=100'

DETAIL "A"

NOTE:

- PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
- THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
- 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.

Professional Engineer Seal: CHARLES YORK LITTLE, 30169, LICENSED PROFESSIONAL ENGINEER, STATE OF KENTUCKY, dated 03/21/2022.



EnSiteUSA

RE-ISSUED FOR PSC FILING NOT FOR CONSTRUCTION 03/18/2022

811 Know what's below. Call 811 before you dig.

GRAPHIC SCALE IN FEET

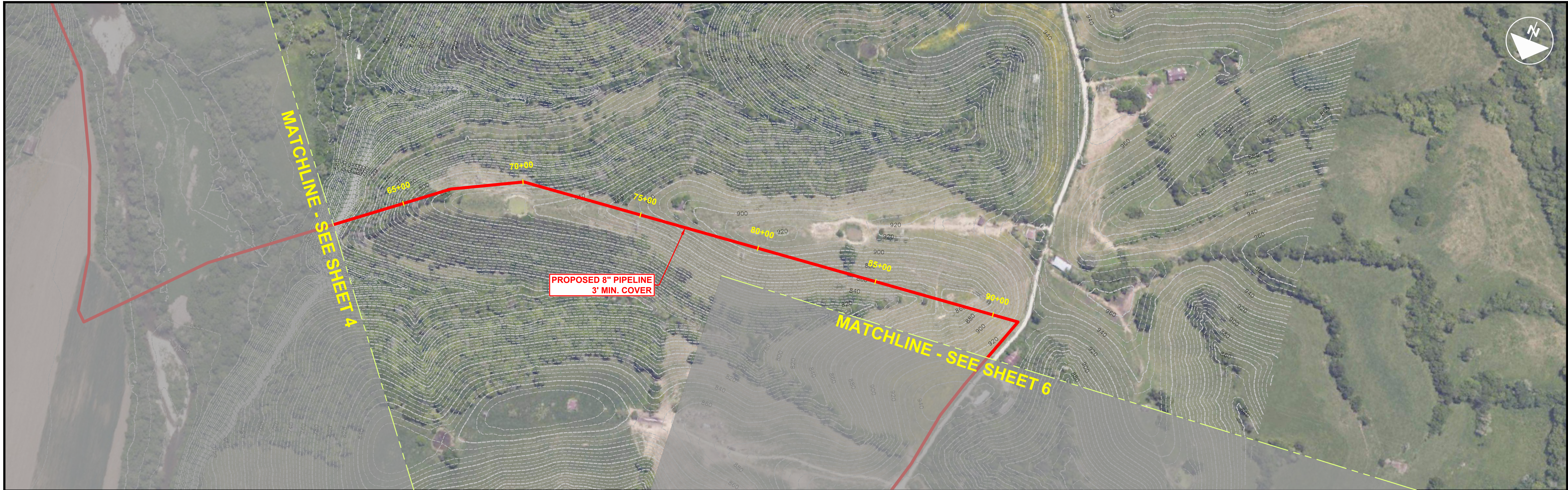
REVISIONS				OPERATING CENTER:	DIVISION:
NO.	DATE	BY	DESCRIPTION	---	---
A	11/22/2021	JCS	ISSUED FOR REVIEW	PROJECT#: 7342.0000	SCALE: 1" = 200'
B	12/8/2021	JCS	ISSUED FOR PSC FILING	CITY / TOWNSHIP: RICHMOND	COUNTY: MADISON
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING	STATE: KY	EnSiteUSA DWG NO. 1014

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT

Delta Natural Gas Company Inc.
3617 Lexington Road
Winchester, Kentucky 40391

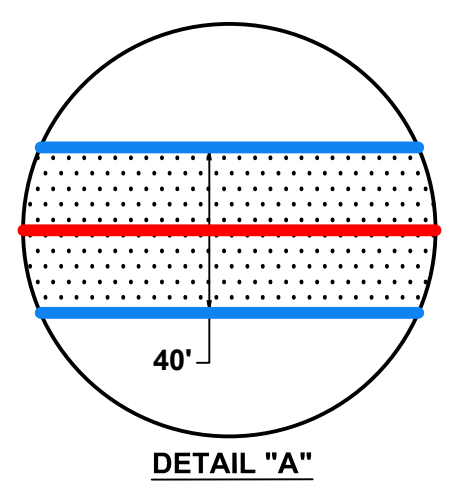
EnSiteUSA DWG NO. 1014 SHEET NO. 4 REV. C

DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

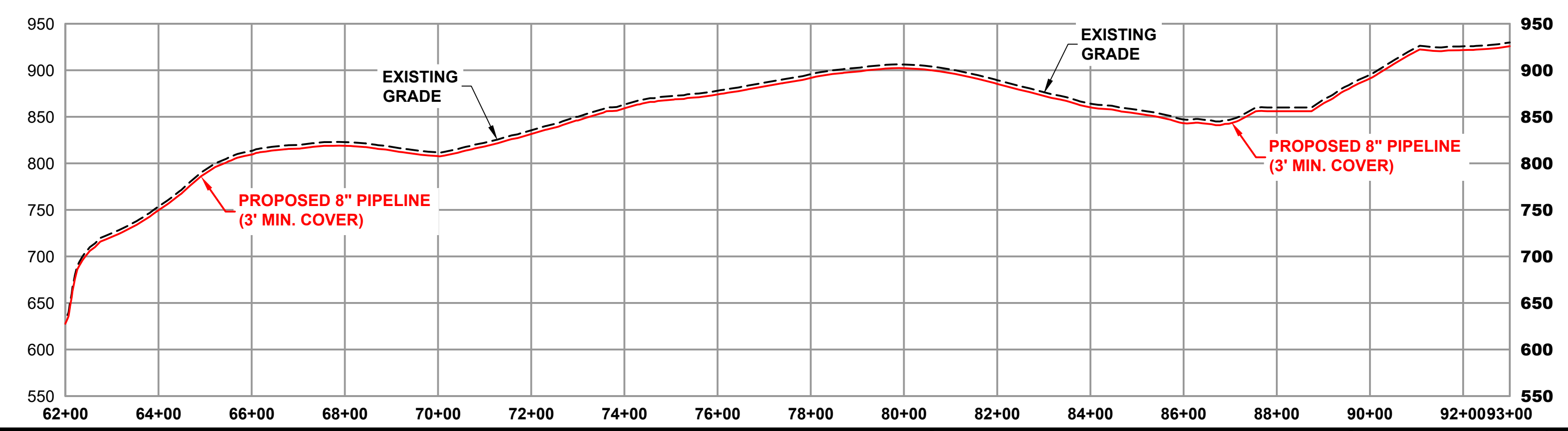


Z:\7342_0000.DWG Nicholasville 2nd\1-PL\1742_0000_1013\2022\12-18-2022 12:48:05 PM, Last Saved 12/27/2021 3:51:32 PM by SREOPLES, Last Plot 3/21/2022 12:48:05 PM by SHAWN PEOPLES

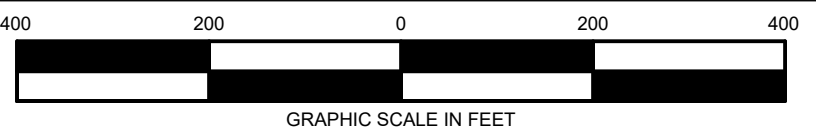
SCALE (H): 1"=200' (V): 1"=100'



- NOTE:**
1. PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 2. THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 3. 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022

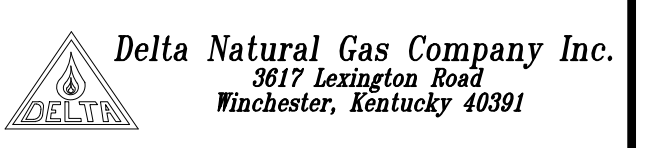


NOTE: DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL. THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

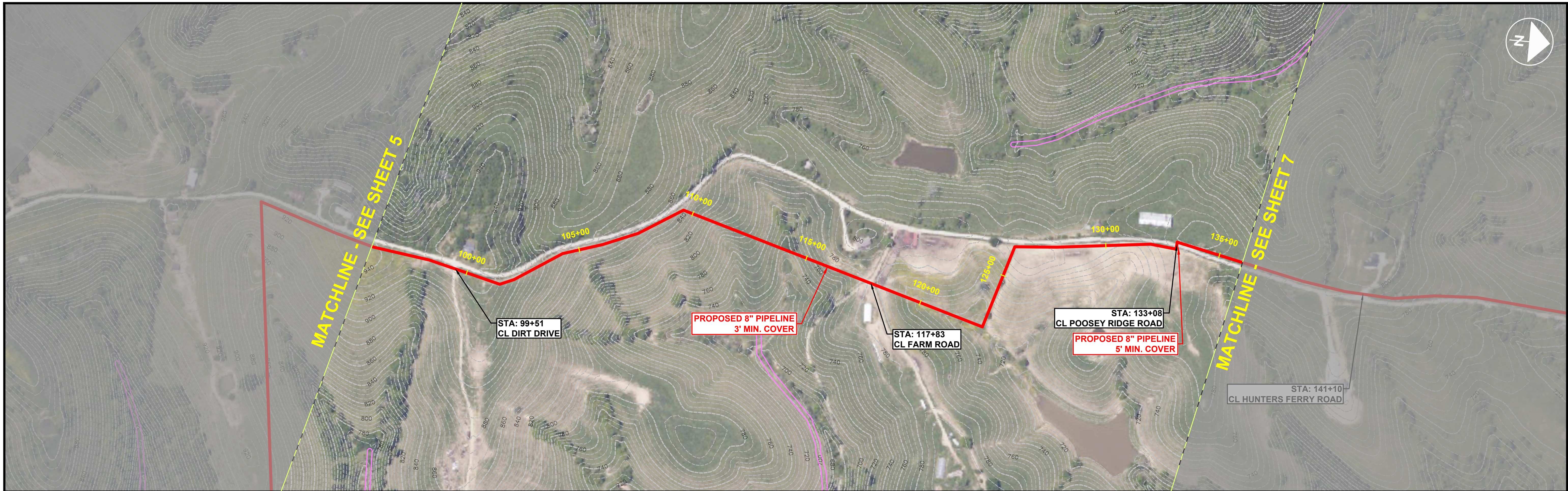
REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: RICHMOND	COUNTY: MADISON
STATE: KY	

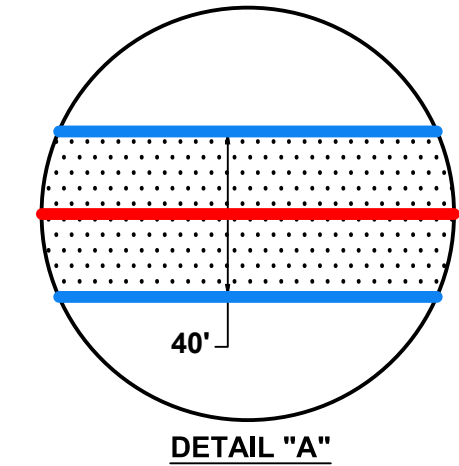
8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1013	SHEET NO. SHEET 5	REV. C



DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

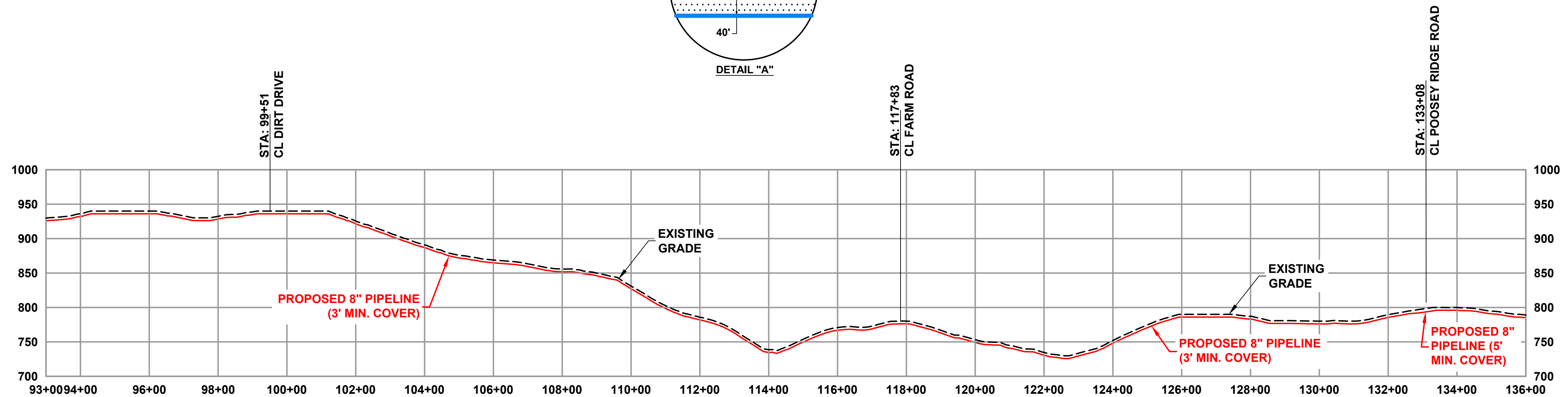


- LEGEND:**
- PROPOSED 8" PIPELINE —
 - RAVINE/CREEK —
 - WETLAND —
 - PARCELS —
 - RIVER —

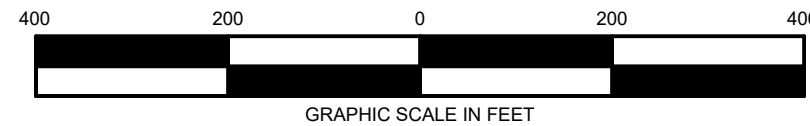


- NOTE:**
1. PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 2. THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 3. 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.

SCALE (H): 1"=200' (V): 1"=100'



RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022

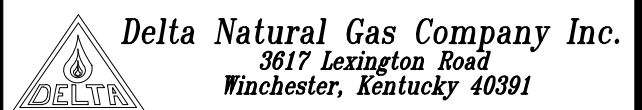


NOTE:
DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL.
THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: RICHMOND	COUNTY: MADISON
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1012A	SHEET NO. SHEET 6	REV. C

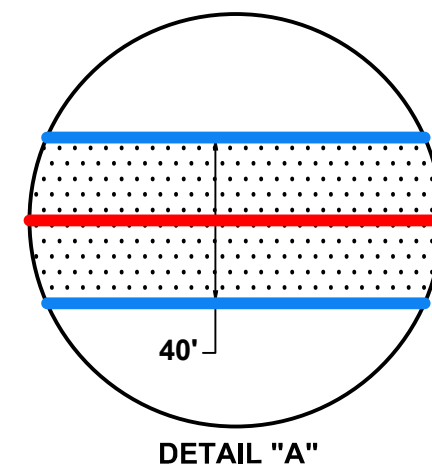


DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

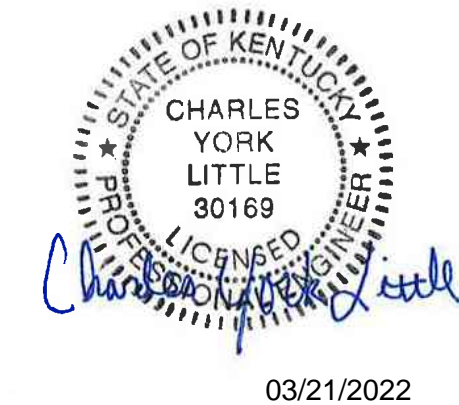
Z:\7342.0000.DWG Nicholasville 2nd Feed\1-PL1\7342_0000_1012A\21212022 12:53:34 PM.Lxd Last Saved: 12/8/2021 3:17:17 PM by: SPCORLES.Lxd Plot: 3/21/2022 12:53:34 PM by: SHAWN PEOPLES



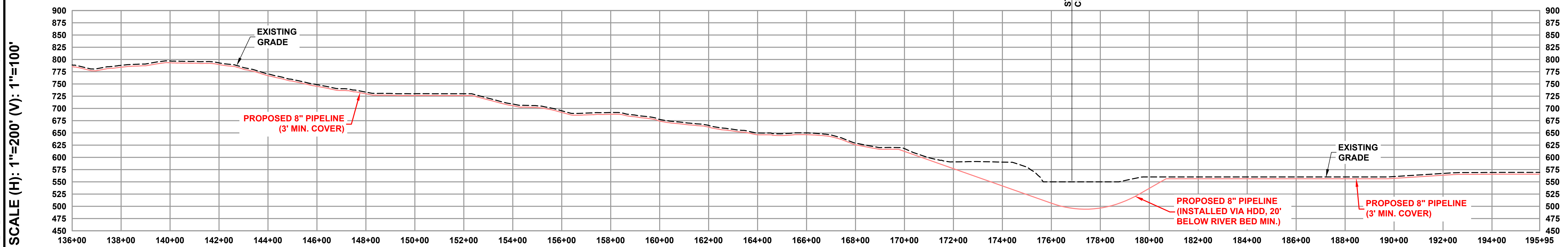
- LEGEND:**
- PROPOSED 8" PIPELINE —
 - RAVINE/CREEK —
 - WETLAND —
 - PARCELS —
 - RIVER —



STA: 176+82
CL KENTUCKY RIVER



- NOTE:**
- PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 - THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 - 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**

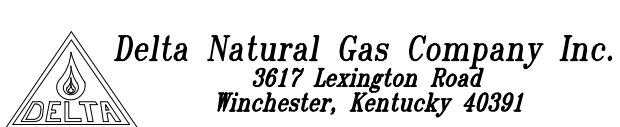


NOTE:
DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL.
THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

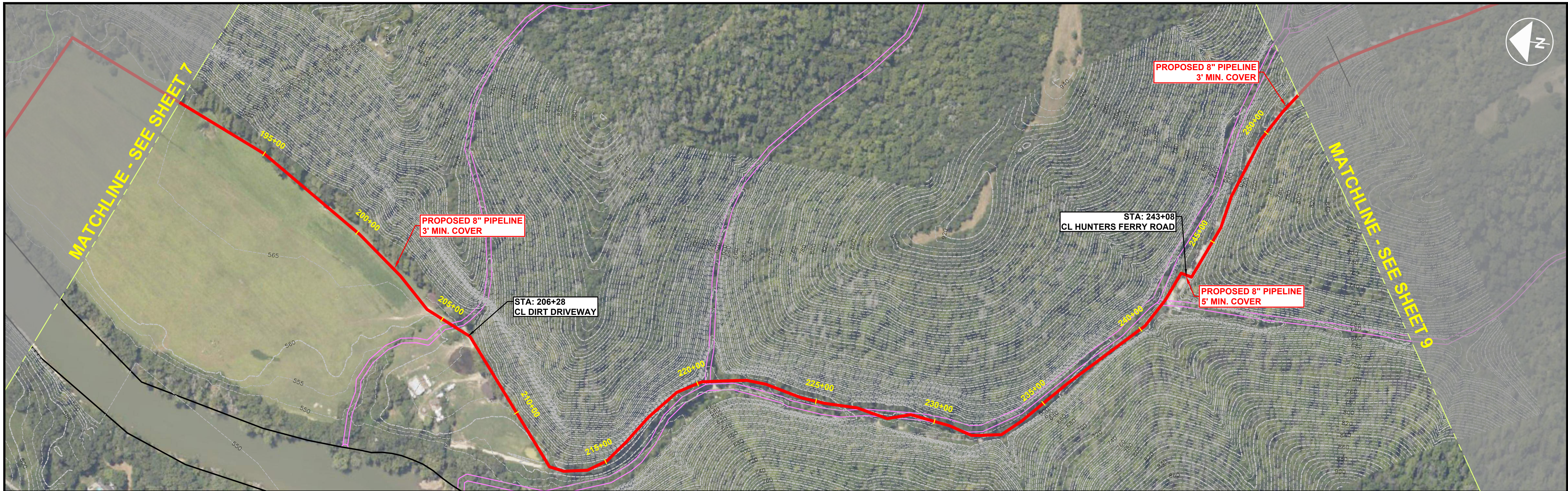
OPERATING CENTER:	DIVISION:
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1012	SHEET NO. SHEET 7	REV. C

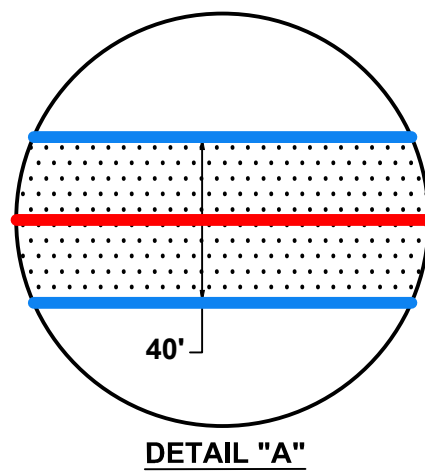


DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

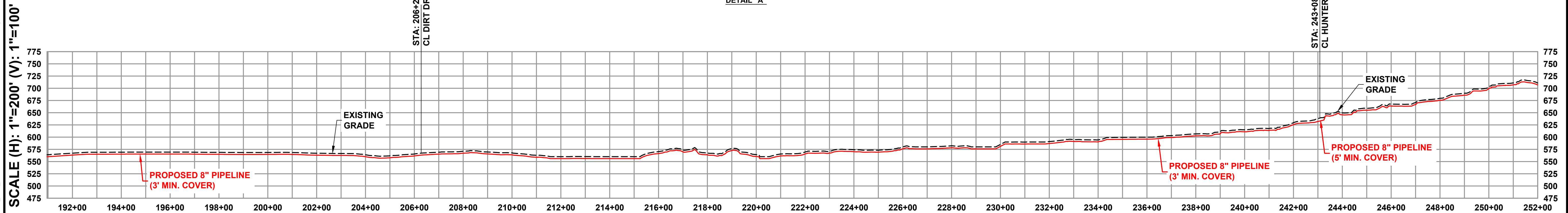
Z:\7342.0000.DWG Nicholasville 2nd Feed.dwg, 03/18/2022, 12:54:53 PM, Last Saved: 12/08/2021, 2:32:19 PM, by: SPECTRUS, Last Plot: 03/18/2022, 12:54:53 PM, by: SHAWN PEOPLES



- LEGEND:**
- PROPOSED 8" PIPELINE —
 - RAVINE/CREEK —
 - WETLAND —
 - PARCELS —
 - RIVER —



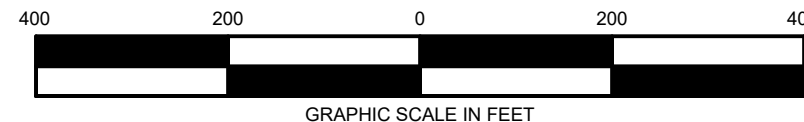
- NOTE:**
1. PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 2. THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 3. 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



Z:\7342.0000.DWG Nicholasville 2nd F1.L17342_0000_10113/21/2022 12:56:38 PM, Last Saved 12/7/2021 2:34:09 PM by SREOPLES, Last Plot 3/21/2022 12:56:38 PM by SHAWN PEOPLES



**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**

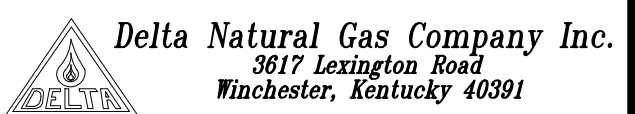


NOTE:
DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL.
THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

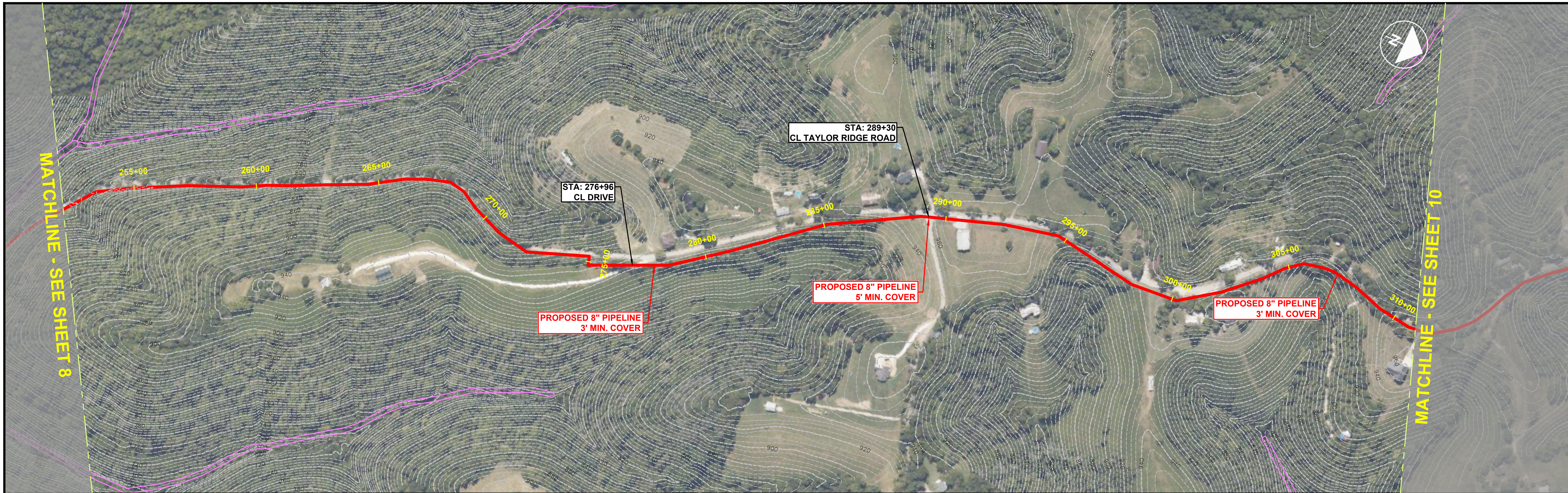
REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

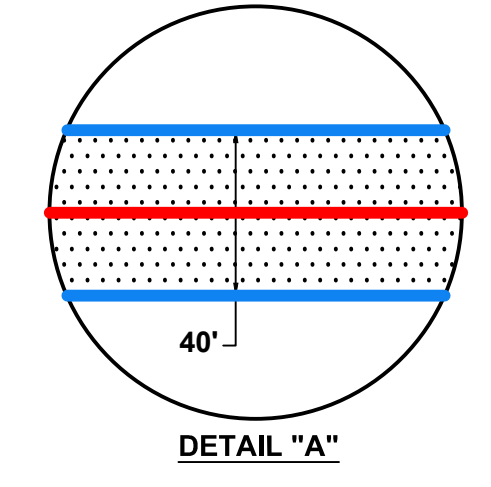
8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1011	SHEET NO. SHEET 8	REV. C



DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

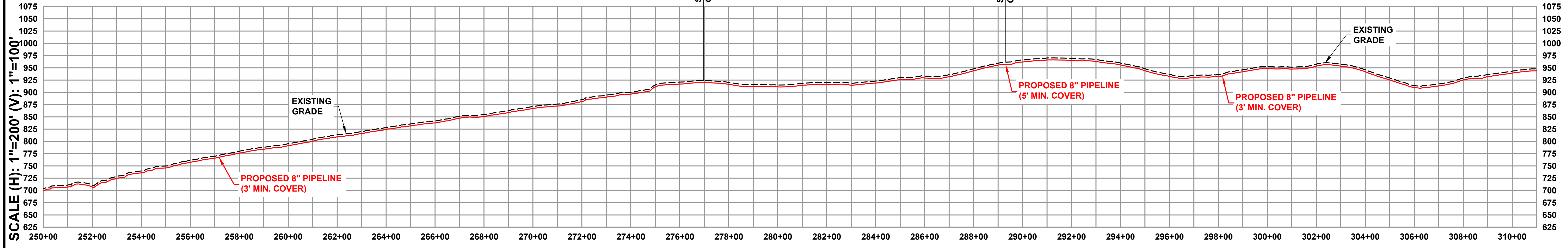


- LEGEND:**
- PROPOSED 8" PIPELINE —
 - RAVINE/CREEK —
 - WETLAND —
 - PARCELS —
 - RIVER —



STATE OF KENTUCKY
 CHARLES YORK LITTLE
 30169
 LICENSED PROFESSIONAL ENGINEER
Charles York Little
 03/21/2022

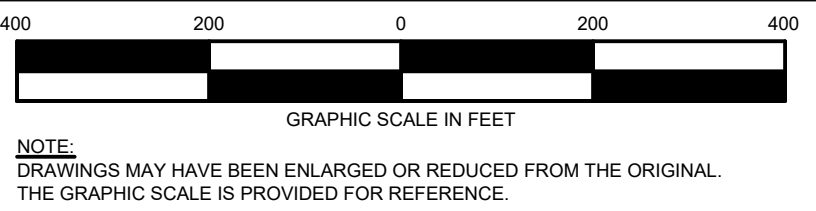
- NOTE:**
- PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 - THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 - 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



Z:\7342.0000.DWG Nicholasville 2nd Feed 03/18/2022 10:13:31 PM; Last Saved: 12/7/2021 2:31:04 PM by SREOPLES; Last Plot: 3/21/2022 10:13:31 PM by SHAWN PEOPLES



RE-ISSUED FOR PSC FILING
 NOT FOR CONSTRUCTION
 03/18/2022

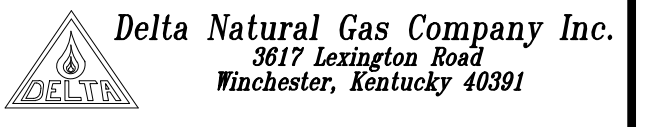


NOTE: DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL. THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

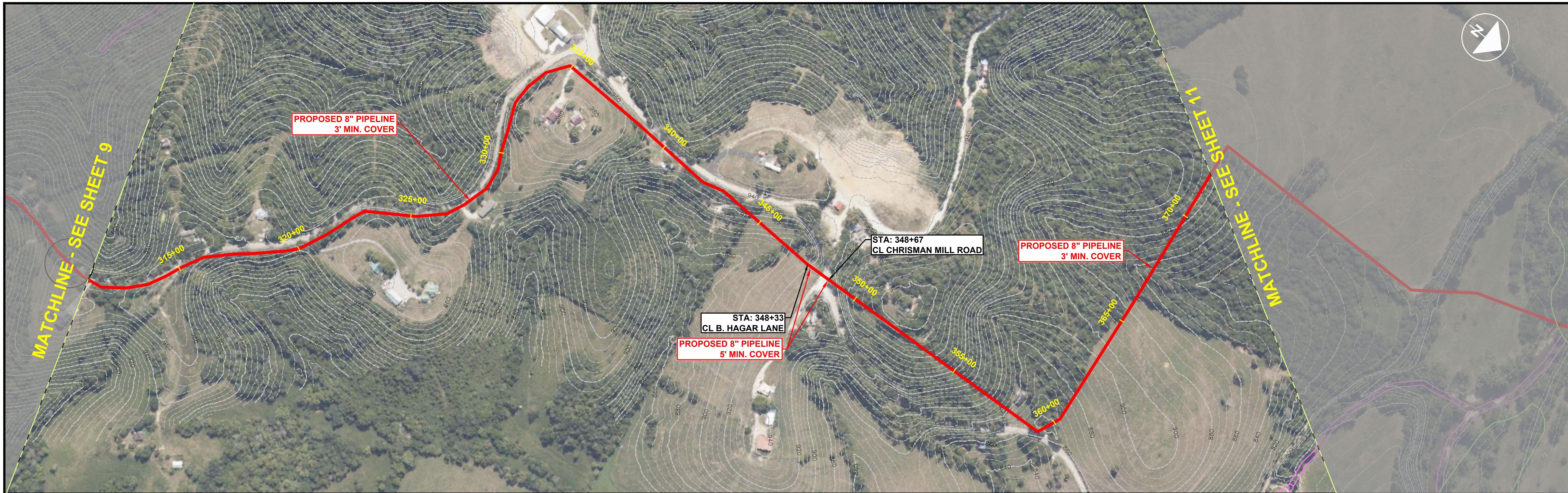
REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1010	SHEET NO. SHEET 9	REV. C

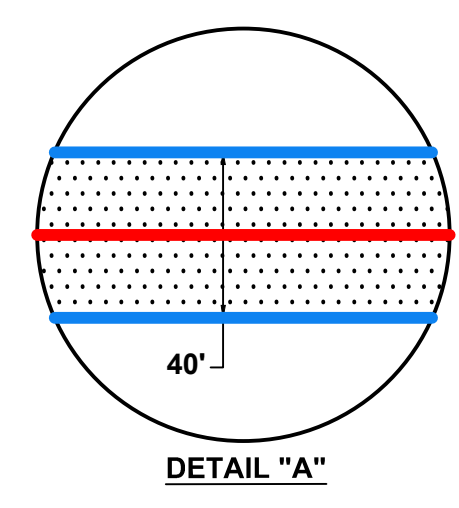


DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

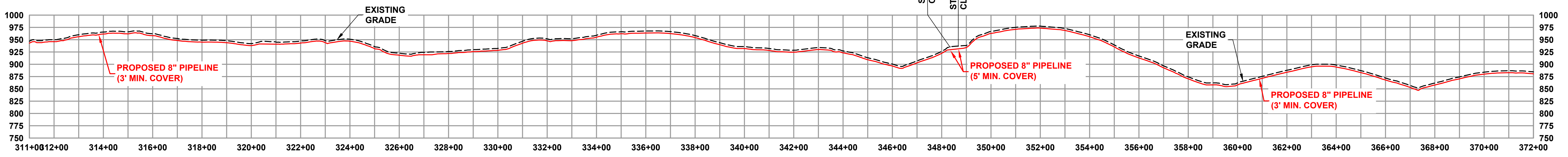


SCALE (H): 1"=200' (V): 1"=100'

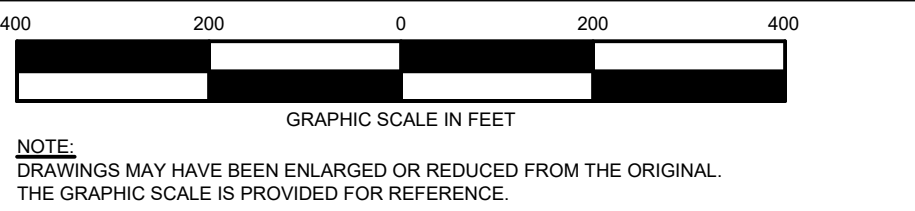
- LEGEND:**
- PROPOSED 8" PIPELINE —
 - RAVINE/CREEK —
 - WETLAND —
 - PARCELS —
 - RIVER —



- NOTE:**
1. PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 2. THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 3. 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.

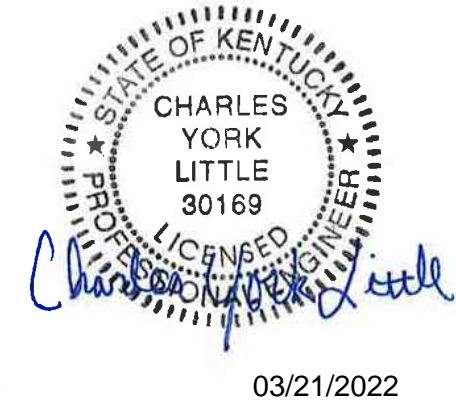
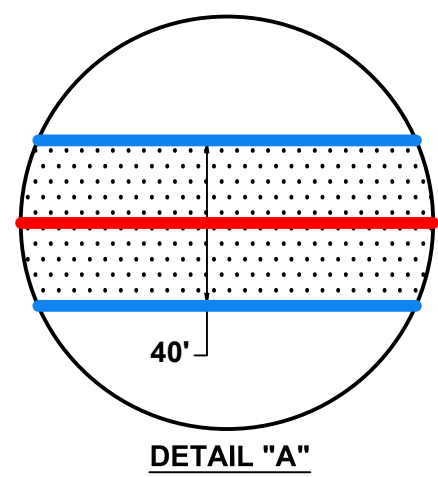
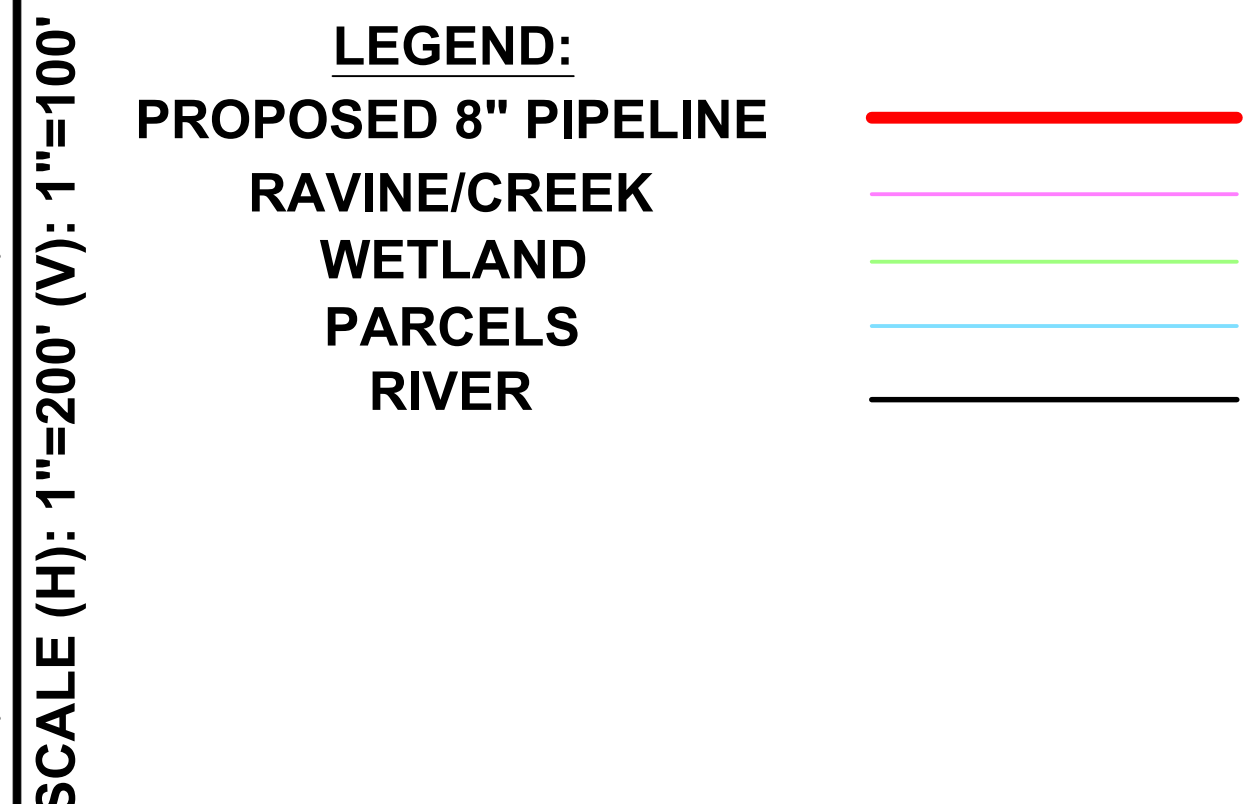
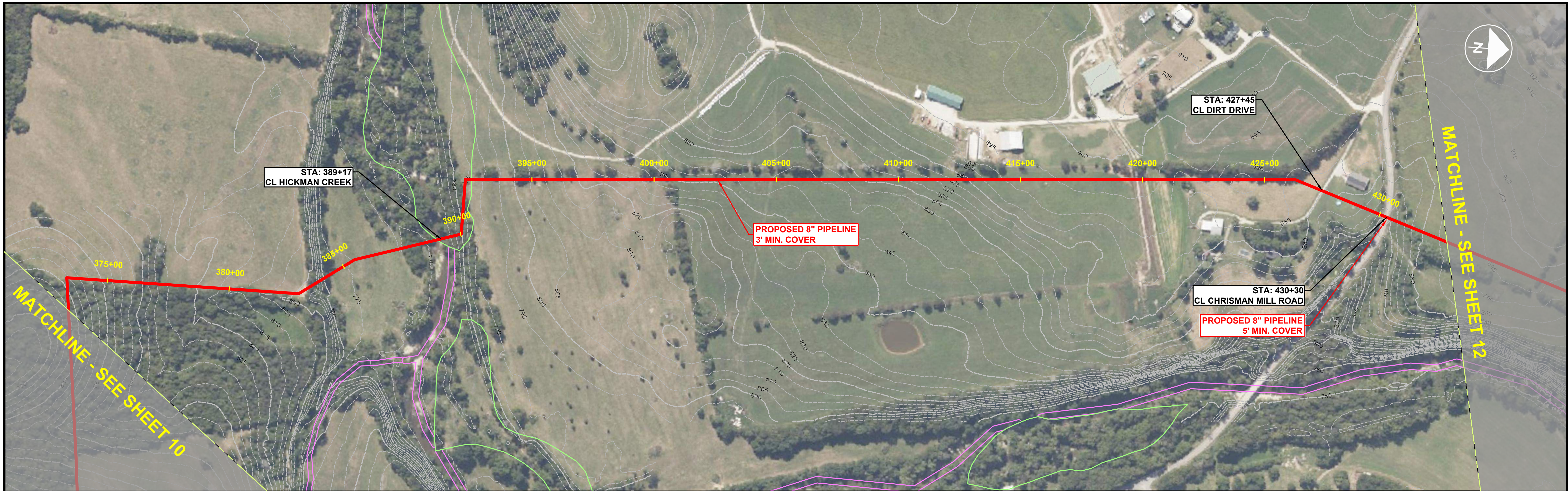


**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**

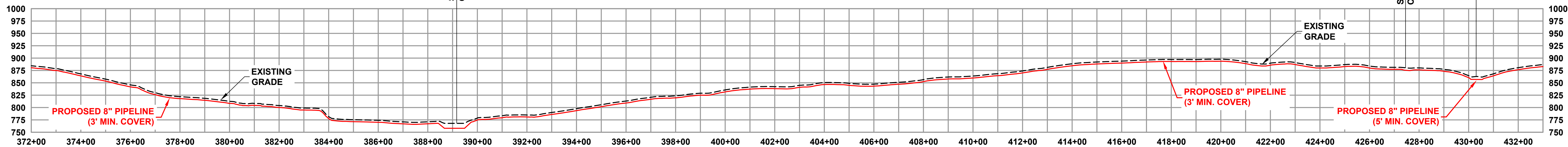


DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

REVISIONS				OPERATING CENTER:	DIVISION:
NO.	DATE	BY	DESCRIPTION	---	---
A	11/22/2021	JCS	ISSUED FOR REVIEW	PROJECT#: 7342.0000	SCALE: 1" = 200'
B	12/8/2021	JCS	ISSUED FOR PSC FILING	CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING	STATE: KY	8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT
				ENSiteUSA DWG NO. 1009	SHEET NO. SHEET 10
				REV. C	Delta Natural Gas Company Inc. 3617 Lexington Road Winchester, Kentucky 40391

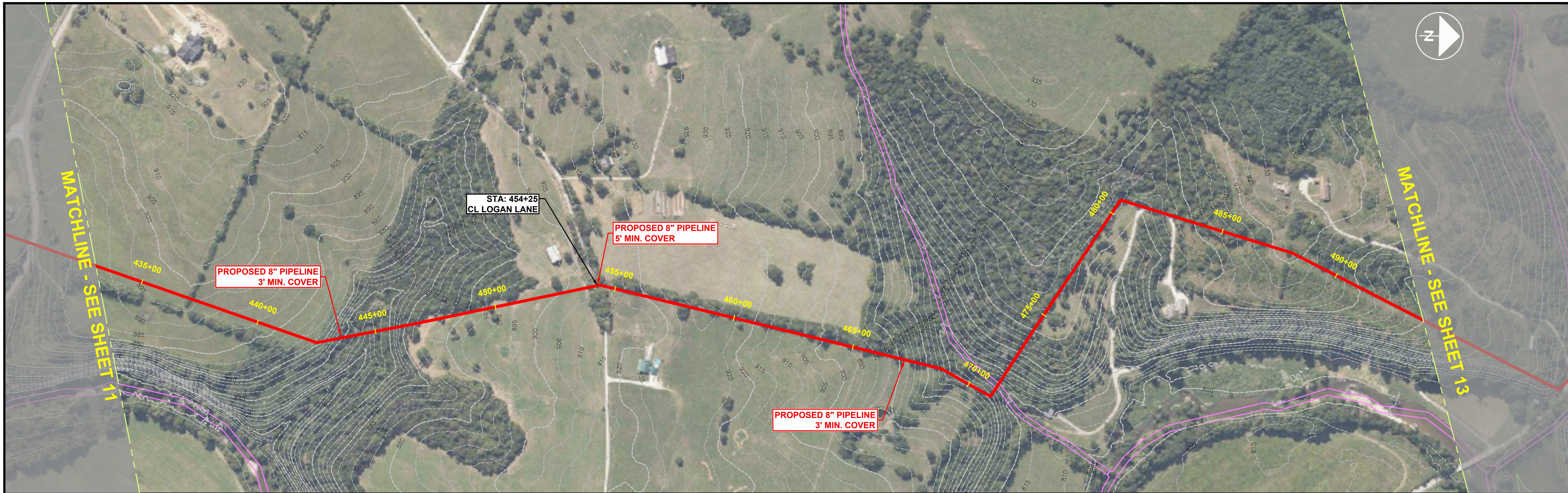


- NOTE:**
- PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 - THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 - 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



Z:\7342.0000.DWG Nicholasville 2nd\1-PL\7342_0000_10088\21\2022_104-27.PLM by SHAWN PEOPLES

	<p>RE-ISSUED FOR PSC FILING NOT FOR CONSTRUCTION 03/18/2022</p>			REVISIONS		OPERATING CENTER:	DIVISION:	8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT				
				NO.	DATE	BY	DESCRIPTION	PROJECT#:	SCALE:	ENSiteUSA DWG NO.		SHEET NO.
<small>NOTE: DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL. THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.</small>				A	11/22/2021	JCS	ISSUED FOR REVIEW	7342.0000	1" = 200'	1008	11	C
<small>DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.</small>				B	12/8/2021	JCS	ISSUED FOR PSC FILING	NICHOLASVILLE	JESSAMINE	STATE:	11	C
				B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING	NICHOLASVILLE	JESSAMINE	STATE:	11	C

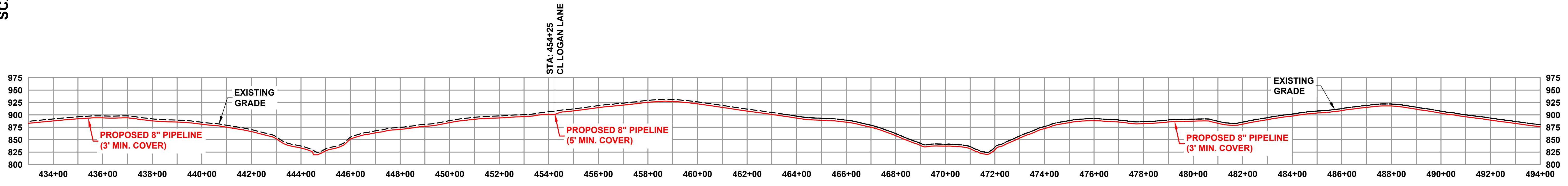
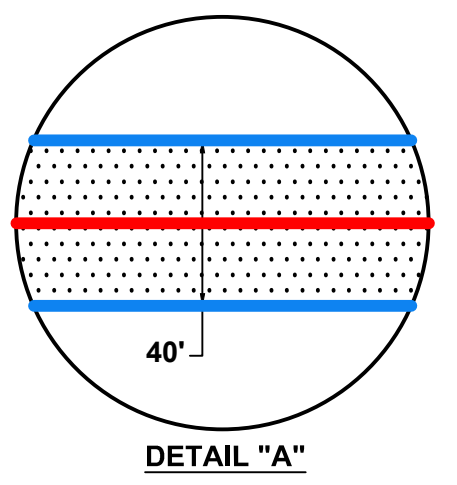


SCALE (H): 1"=200' (V): 1"=100'

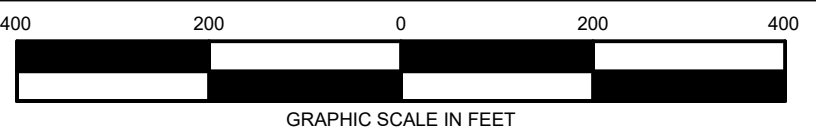
LEGEND:

PROPOSED 8" PIPELINE	
RAVINE/CREEK	
WETLAND	
PARCELS	
RIVER	

- NOTE:**
- PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 - THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 - 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**

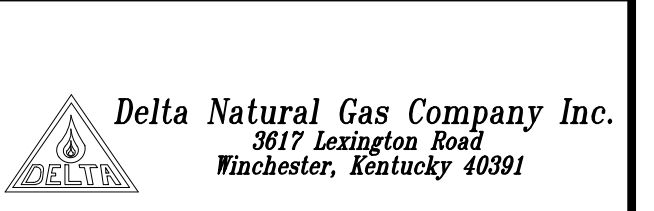


NOTE: DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL. THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

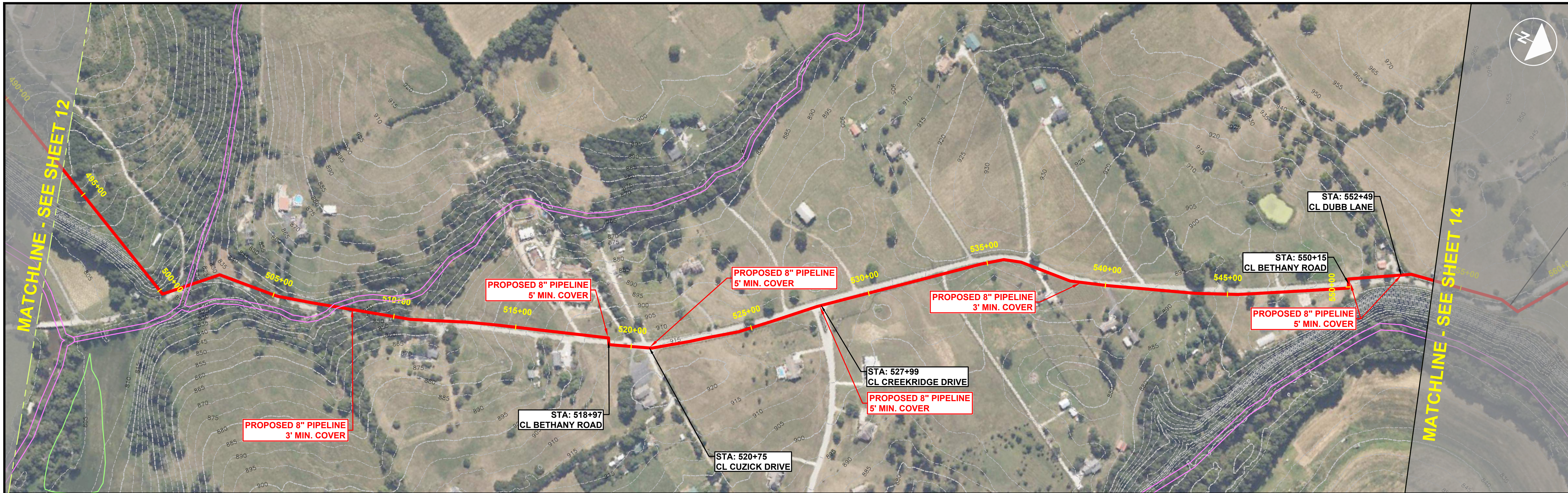
REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1007	SHEET NO. SHEET 12	REV. C

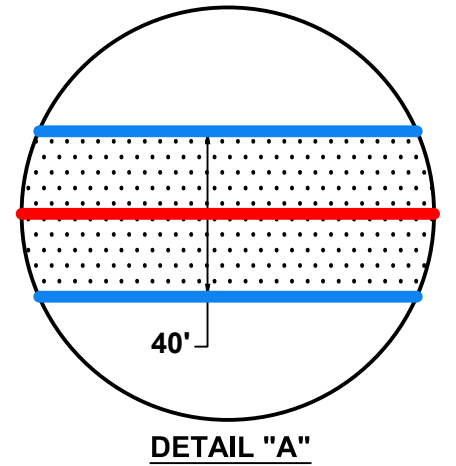


DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.



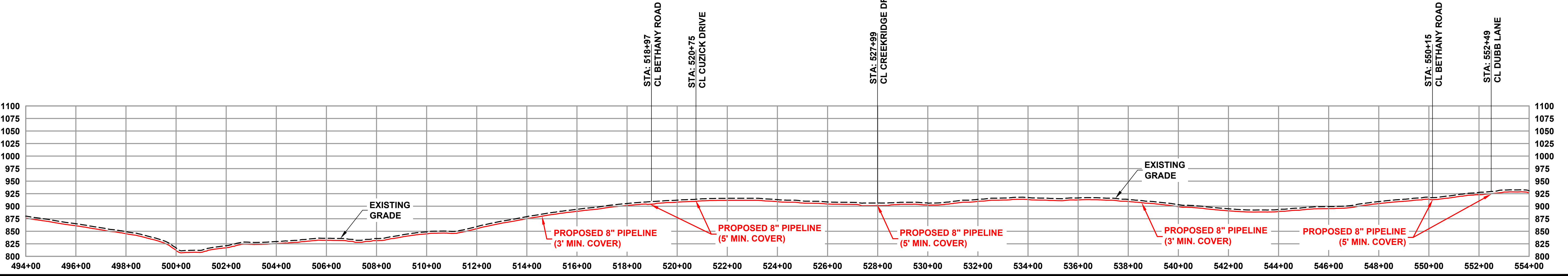
LEGEND:

PROPOSED 8" PIPELINE	
RAVINE/CREEK	
WETLAND	
PARCELS	
RIVER	

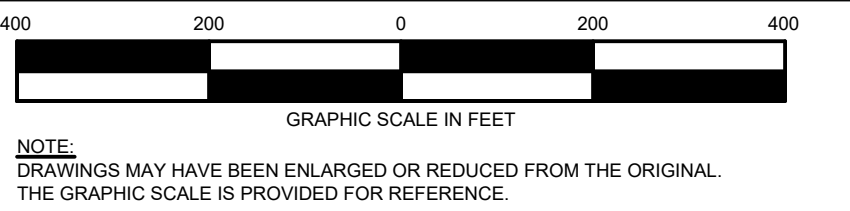


STATE OF KENTUCKY
 CHARLES YORK LITTLE
 30169
 LICENSED PROFESSIONAL ENGINEER
 03/21/2022

- NOTE:**
- PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 - THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 - 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



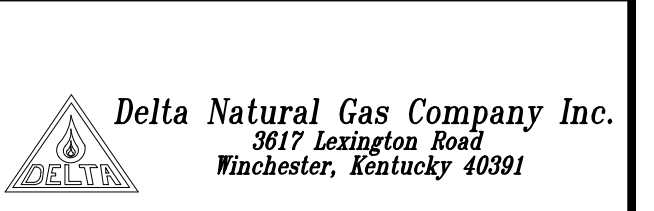
**RE-ISSUED FOR PSC FILING
 NOT FOR CONSTRUCTION
 03/18/2022**



REVISIONS		
NO.	DATE	DESCRIPTION
A	11/22/2021	JCS ISSUED FOR REVIEW
B	12/8/2021	JCS ISSUED FOR PSC FILING
B	03/18/2022	JCS RE-ISSUED FOR PSC FILING

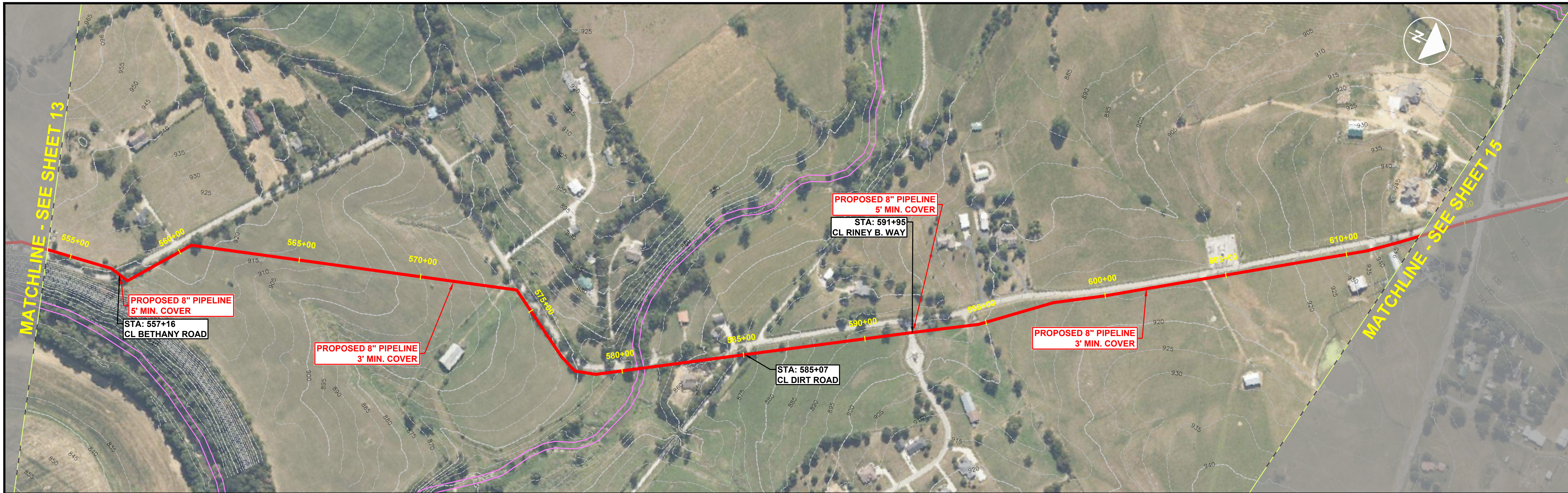
OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1006	SHEET NO. SHEET 13	REV. C



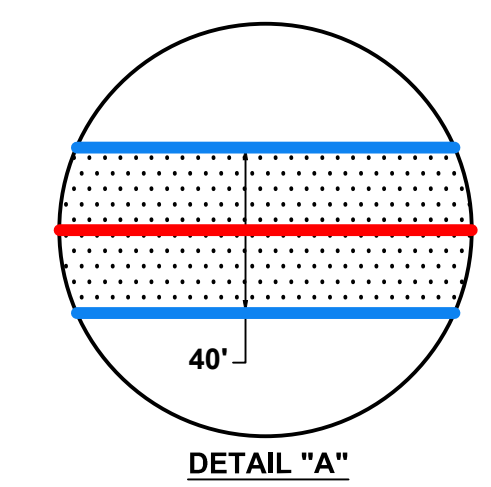
Z:\7342.0000.DWG Nicholasville 2nd Feeder.dwg, 2/11/2022, 1:07:56 PM, Last Saved: 12/17/2021, 2:13:08 PM by SFCOPLES, Last Pk: 3/21/2022, 1:07:56 PM by SHAWN PEOPLES

DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

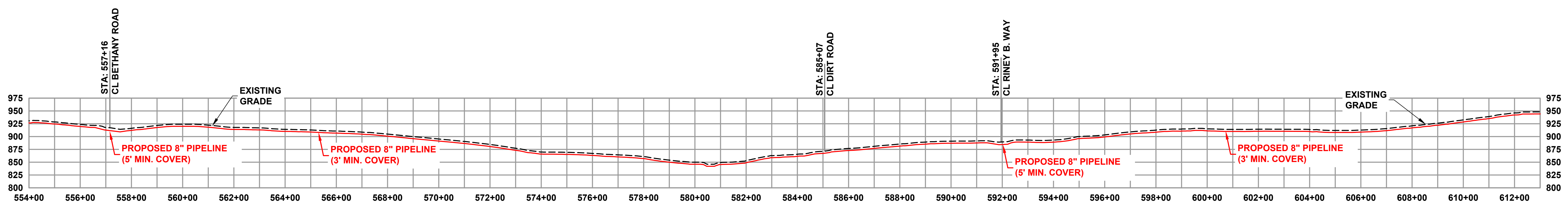


SCALE (H): 1"=200' (V): 1"=100'

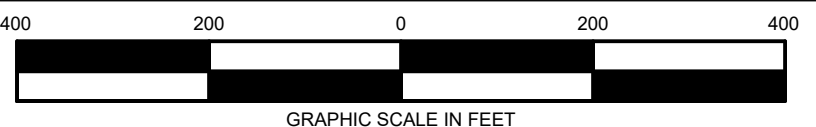
- LEGEND:**
- PROPOSED 8" PIPELINE —
 - RAVINE/CREEK —
 - WETLAND —
 - PARCELS —
 - RIVER —



- NOTE:**
1. PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 2. THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 3. 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**

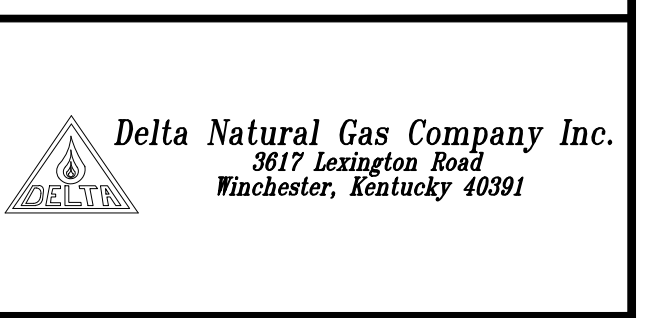


NOTE:
DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL.
THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200"
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1005	SHEET NO. SHEET 14	REV. C



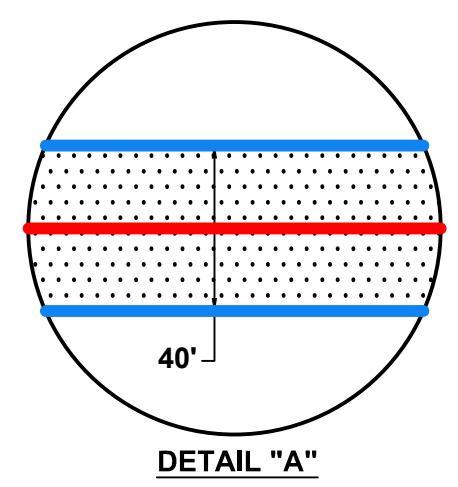
DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

Z:\7342.0000.DWG Nicholasville 2nd F... 1005.02/2022. 1:09:36 PM, Last Saved: 12/7/2021 2:02:31 PM by SFCOPLES, Last Pk: 3/21/2022 1:09:36 PM by SHAWN PEOPLES

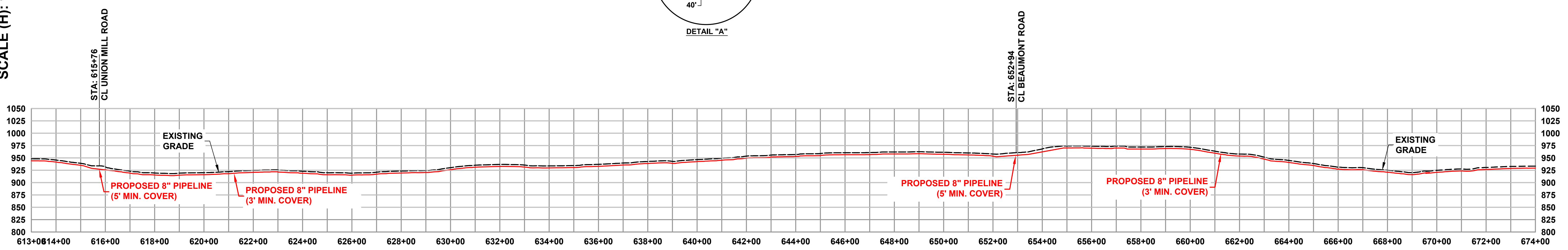


SCALE (H): 1"=200' (V): 1"=100'

- LEGEND:**
- PROPOSED 8" PIPELINE —
 - RAVINE/CREEK —
 - WETLAND —
 - PARCELS —
 - RIVER —

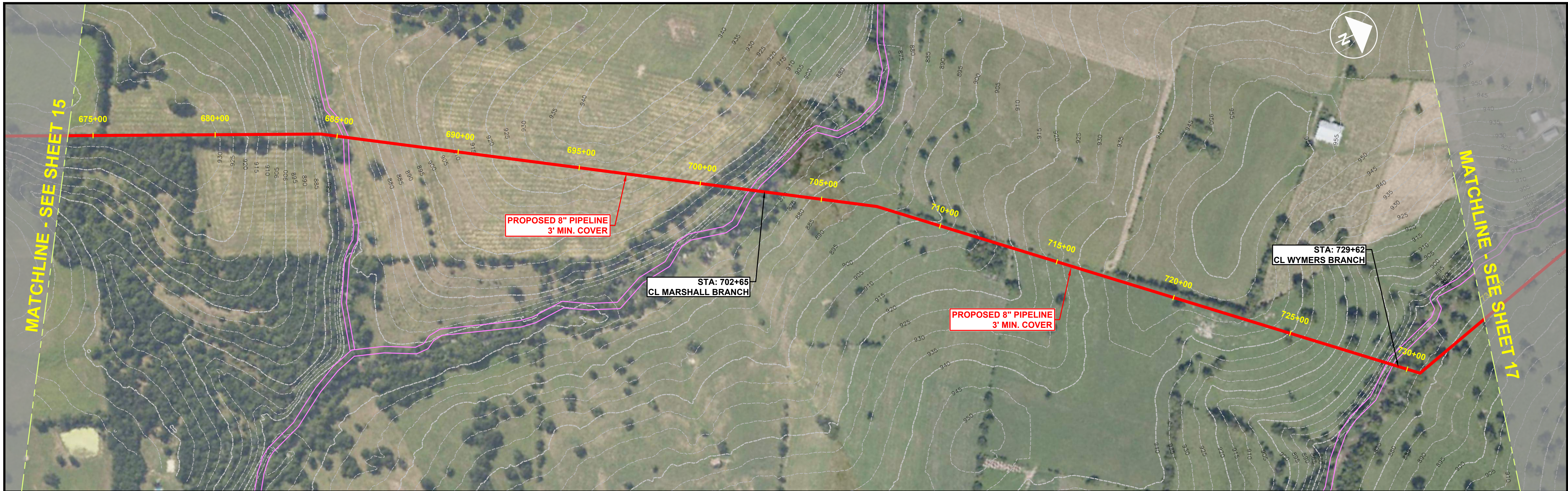


- NOTE:**
1. PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 2. THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 3. 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



Z:\742,000\DWG\Nicholasville_2nd\1-PL17342_0000_100432\2022_11:13:55 PM.Lst Saved: 12/7/2021 1:57:32 PM by SPCOPLES, Last Pk: 3/21/2022 11:25 PM by SHAWN PEOPLES

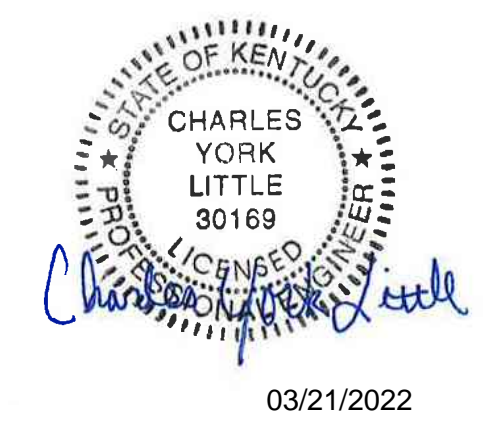
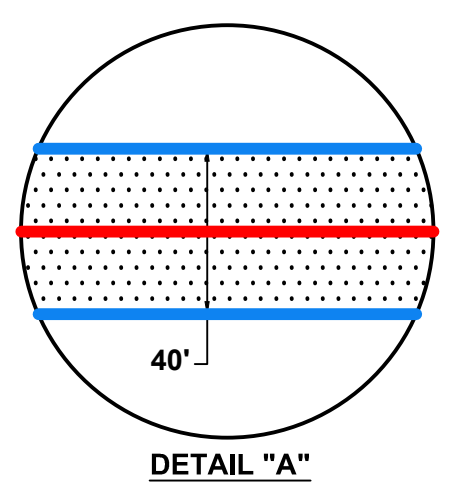
	RE-ISSUED FOR PSC FILING NOT FOR CONSTRUCTION 03/18/2022			REVISIONS		OPERATING CENTER: ----	DIVISION: ----	8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT																			
				<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>A</td> <td>11/22/2021</td> <td>JCS</td> <td>ISSUED FOR REVIEW</td> </tr> <tr> <td>B</td> <td>12/8/2021</td> <td>JCS</td> <td>ISSUED FOR PSC FILING</td> </tr> <tr> <td>B</td> <td>03/18/2022</td> <td>JCS</td> <td>RE-ISSUED FOR PSC FILING</td> </tr> </tbody> </table>	NO.	DATE	BY	DESCRIPTION	A	11/22/2021		JCS	ISSUED FOR REVIEW	B	12/8/2021	JCS	ISSUED FOR PSC FILING	B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>PROJECT#: 7342.0000</td> <td>SCALE: 1" = 200'</td> </tr> <tr> <td>CITY / TOWNSHIP: NICHOLASVILLE</td> <td>COUNTY: JESSAMINE</td> </tr> <tr> <td>STATE: KY</td> <td></td> </tr> </table>	PROJECT#: 7342.0000	SCALE: 1" = 200'	CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE	STATE: KY
NO.	DATE	BY	DESCRIPTION																								
A	11/22/2021	JCS	ISSUED FOR REVIEW																								
B	12/8/2021	JCS	ISSUED FOR PSC FILING																								
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING																								
PROJECT#: 7342.0000	SCALE: 1" = 200'																										
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE																										
STATE: KY																											
EnSiteUSA DWG NO. 1004	SHEET NO. SHEET 15	REV. C																									
<p>DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.</p>																											



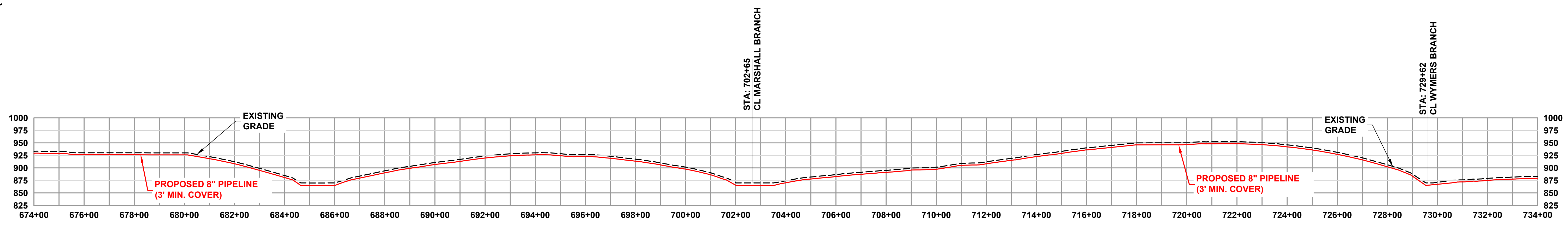
SCALE (H): 1"=200' (V): 1"=100'

LEGEND:

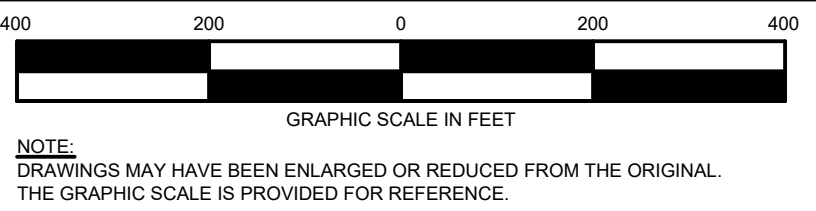
PROPOSED 8" PIPELINE	
RAVINE/CREEK	
WETLAND	
PARCELS	
RIVER	



- NOTE:**
1. PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 2. THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 3. 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



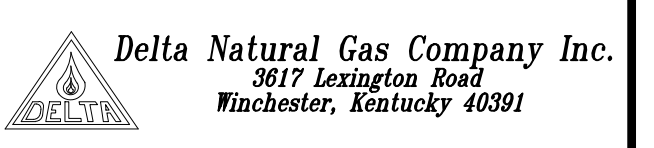
**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**



REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

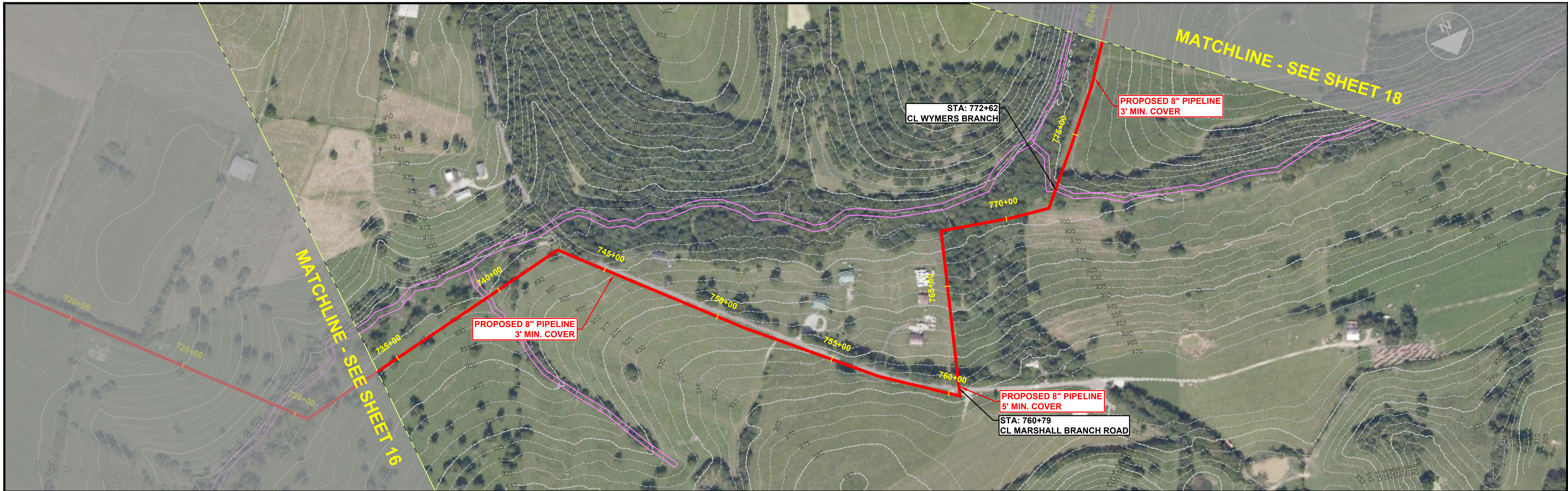
OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1003	SHEET NO. SHEET 16	REV. C



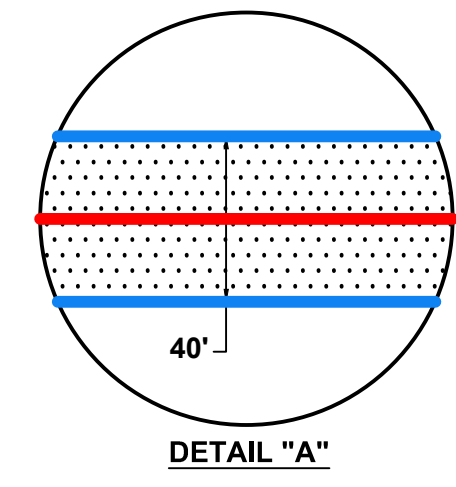
Z:\7342.0000.DWG Nicholasville 2nd Filing\PL\7342_0000_1003\21/03/2022_11:28:28 PM.Lst.Saved.12/7/2021_3:29:41 PM by SFCOPLES, Last Pk 3/21/2022_11:28:28 PM by SHAWN PEOPLES

DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

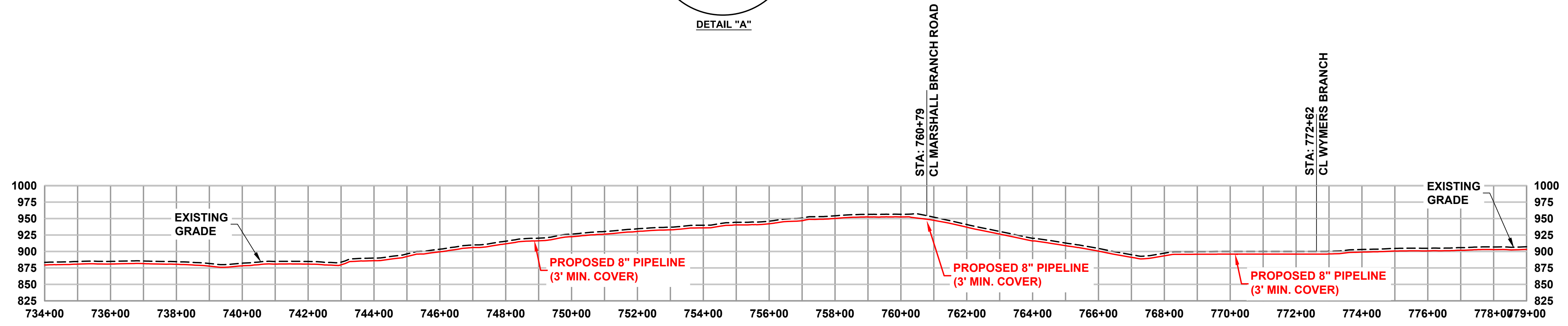


SCALE (H): 1"=200' (V): 1"=100'

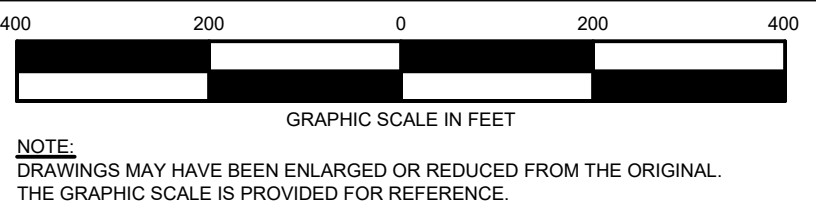
- LEGEND:**
- PROPOSED 8" PIPELINE —
 - RAVINE/CREEK —
 - WETLAND —
 - PARCELS —
 - RIVER —



- NOTE:**
1. PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 2. THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 3. 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**

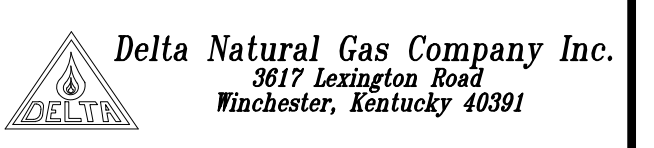


NOTE:
DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL.
THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

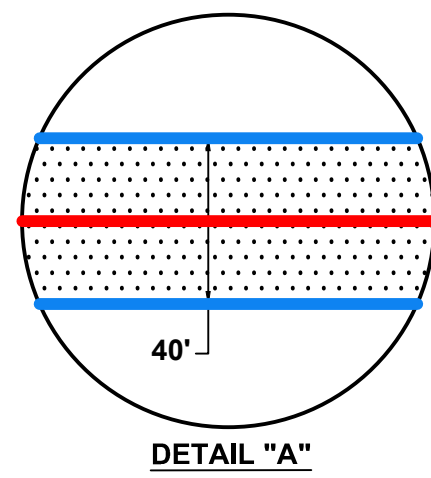
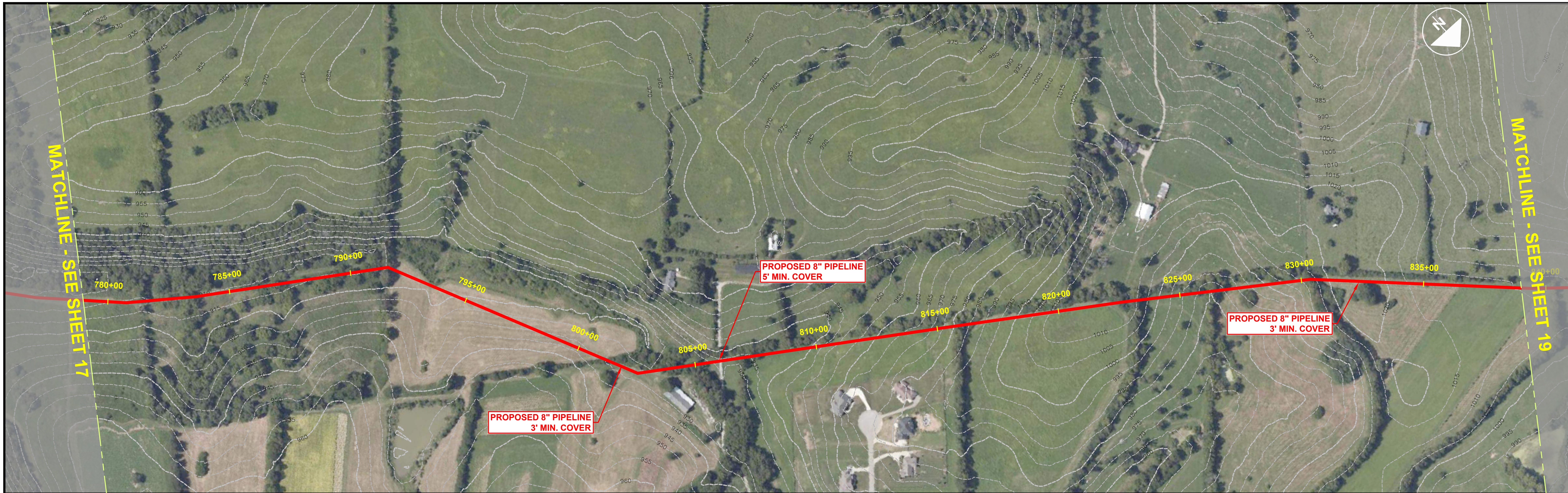
OPERATING CENTER:	DIVISION:
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1002	SHEET NO. SHEET 17	REV. C



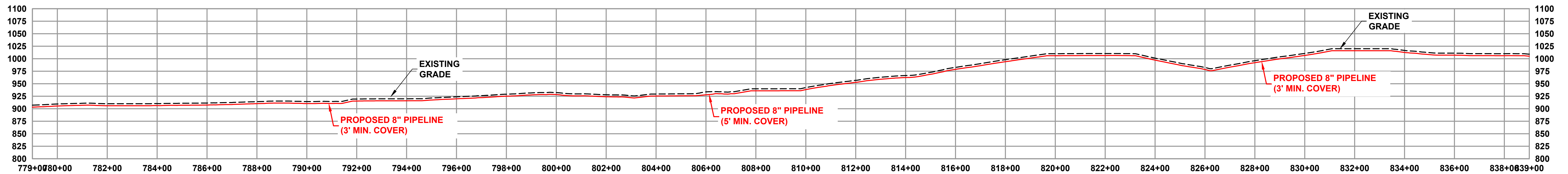
DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

Z:\7342.0000.DWG Nicholasville 2nd\F1-PL1-7342_0000_1002\22\1822_114131.PLA; Last Saved: 12/7/2021 3:35:32 PM by SFCOPLES; Last Pk: 3/21/2022 11:41:31 PM by SHAWN PEOPLES



STATE OF KENTUCKY
 CHARLES YORK LITTLE
 30169
 LICENSED SURVEYOR
Charles York Little
 03/21/2022

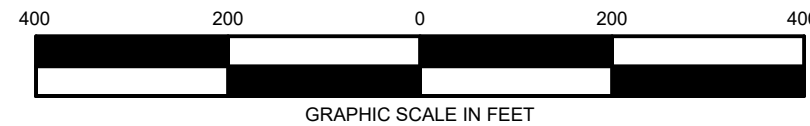
- NOTE:**
1. PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 2. THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 3. 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



Z:\7342.0000.DWG Nicholasville 2nd F1.L17342_0000_10013/21/2022 1:15:37 PM; Last Saved: 12/7/2021 3:39:18 PM by SPCOPLES; Last Pk: 3/21/2022 11:58:37 PM by SHAWN PEOPLES



**RE-ISSUED FOR PSC FILING
 NOT FOR CONSTRUCTION
 03/18/2022**

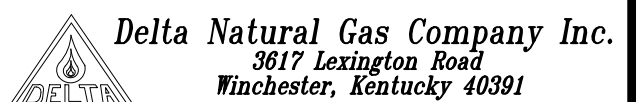


NOTE:
 DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL.
 THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1001	SHEET NO. SHEET 18	REV. C



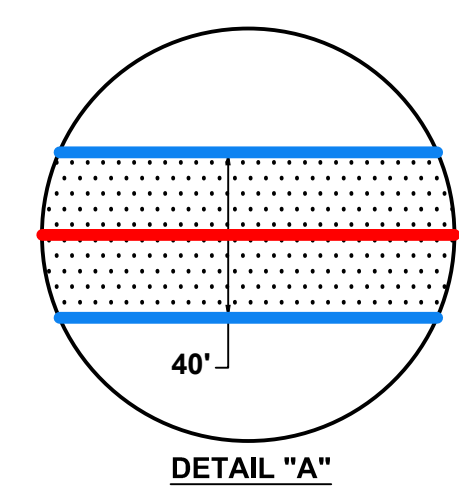
DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.



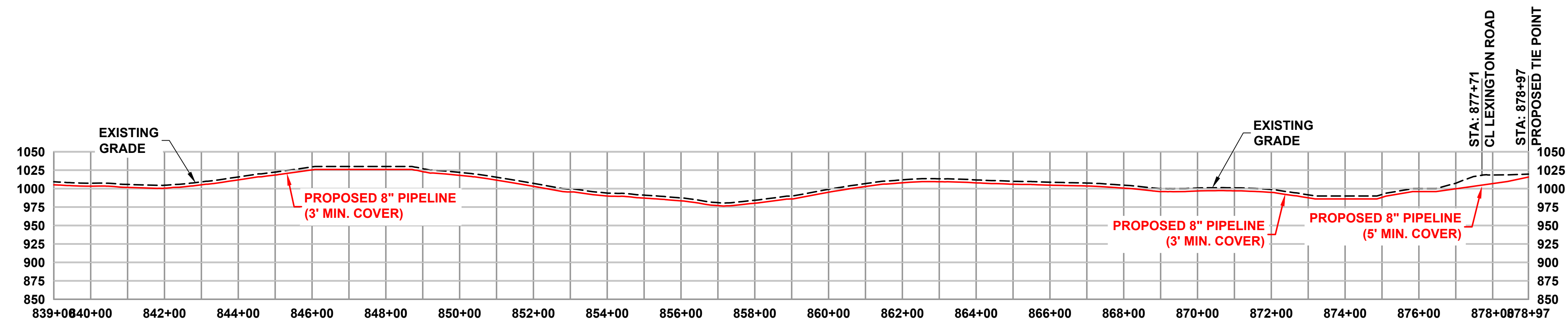
SCALE (H): 1"=200' (V): 1"=100'

LEGEND:

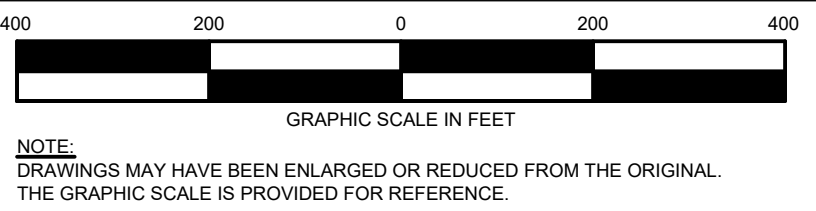
PROPOSED 8" PIPELINE	
RAVINE/CREEK	
WETLAND	
PARCELS	
RIVER	



- NOTE:**
- PIPELINE WILL BE LAID IN EXISTING ROAD ROW WHERE AVAILABLE. WHEN ROAD ROW IS NOT AVAILABLE SEE DETAIL "A" FOR EASEMENT SIZE.
 - THESE PLANS WILL BE BASED UPON EASEMENT AGREEMENT WITH LAND OWNER.
 - 3' MIN. COVER IN ALL AREAS WITH THE EXCEPTION OF STATE HIGHWAY ROW AND HDD'S.



**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**

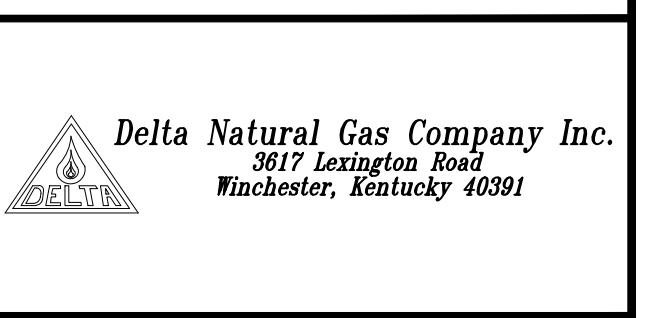


NOTE: DRAWINGS MAY HAVE BEEN ENLARGED OR REDUCED FROM THE ORIGINAL. THE GRAPHIC SCALE IS PROVIDED FOR REFERENCE.

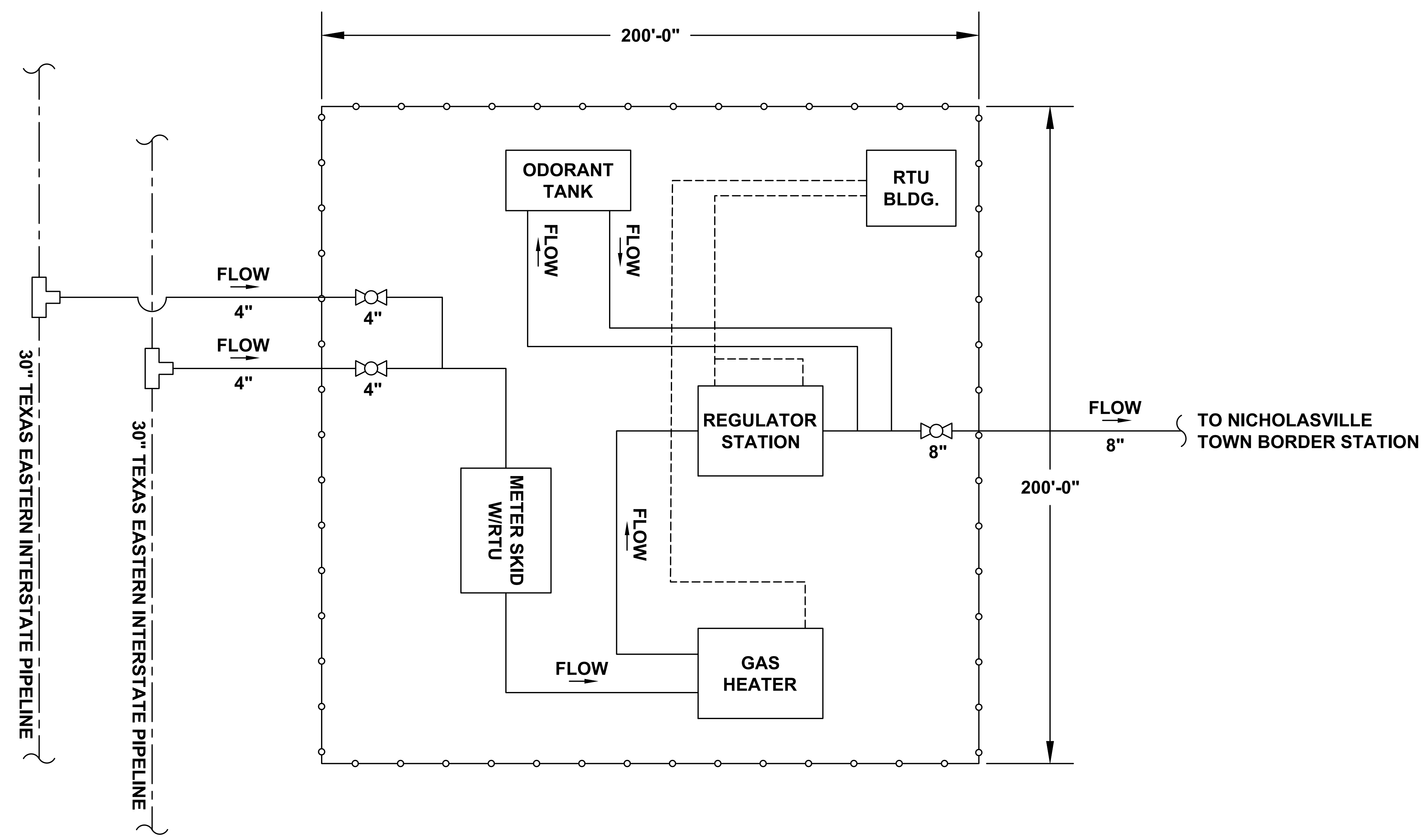
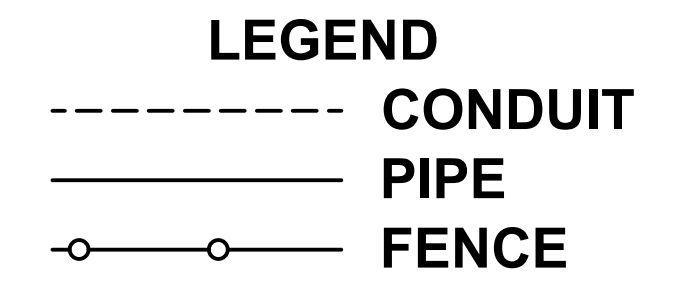
REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: 1" = 200'
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE
STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC PIPELINE ALIGNMENT		
EnSiteUSA DWG NO. 1000A	SHEET NO. SHEET 19	REV. C



DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.



Z:\7342.0000.DWG Nicholasville 2ndFD-Misc7342_0000_9000221\2022.11.17.12 PM, Last Saved 12/22/2021 11:57:57 PM by J.LAMB, Last Plot 3/21/2022 11:17:12 PM by SHAWN PEOPLES



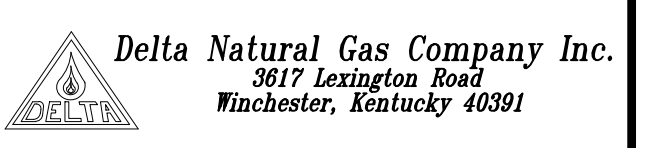
RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022



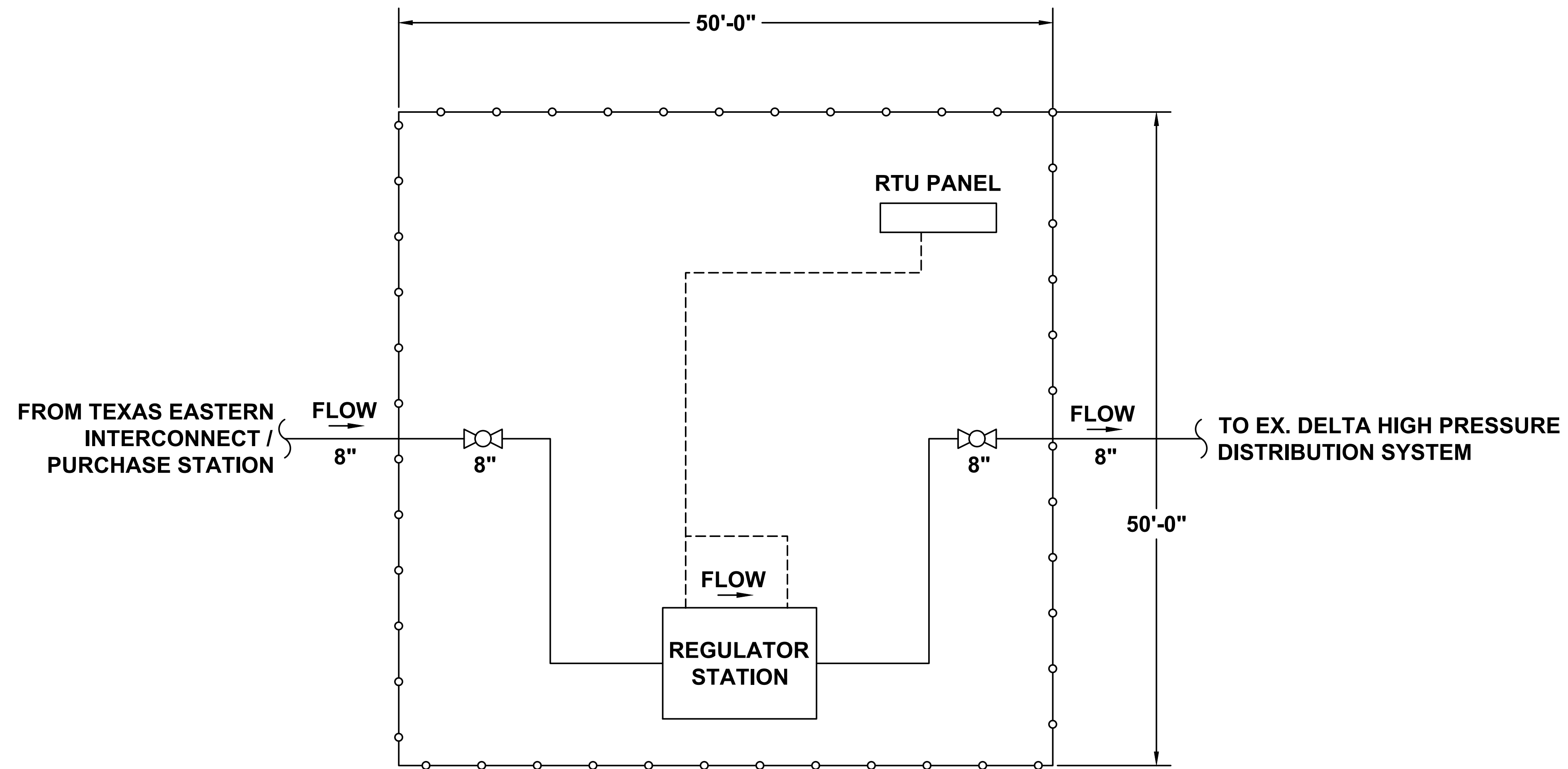
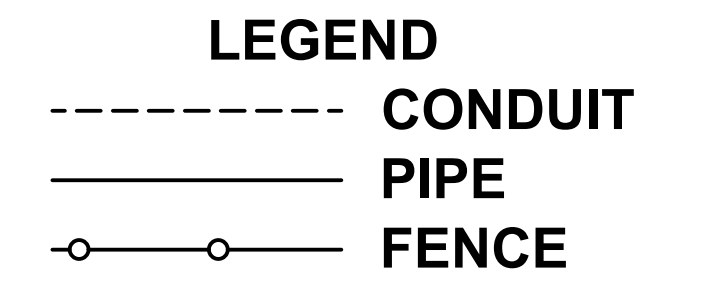
REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING
----	----	----	----

OPERATING CENTER: ----		DIVISION: ----	
PROJECT#: 7342.0000	SCALE: N.T.S		
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE	STATE: KY	

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC DETAILS & BOM MADISON CO. PURCHASE POINT SCHEMATIC			
EnSiteUSA DWG NO. 9000	SHEET NO. SHEET 20	REV. C	



DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.



Z:\7342.0000.DWG Nicholasville 2ndB.Misc\7342_0000_9001321\2022_11:17:36 PM, Last Saved 12/19/2021 1:59:29 PM, Last Plot 3/21/2022 1:17:36 PM by SHAWN PEOPLES



03/21/2022



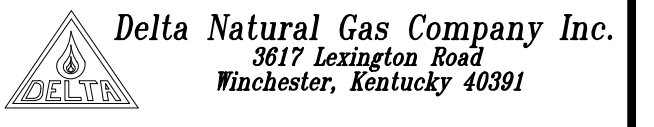
**RE-ISSUED FOR PSC FILING
NOT FOR CONSTRUCTION
03/18/2022**



REVISIONS			
NO.	DATE	BY	DESCRIPTION
A	11/22/2021	JCS	ISSUED FOR REVIEW
B	12/8/2021	JCS	ISSUED FOR PSC FILING
B	03/18/2022	JCS	RE-ISSUED FOR PSC FILING
----	----	----	----

OPERATING CENTER: ----	DIVISION: ----
PROJECT#: 7342.0000	SCALE: N.T.S.
CITY / TOWNSHIP: NICHOLASVILLE	COUNTY: JESSAMINE STATE: KY

8" NICHOLASVILLE 2ND FEED DELTA NATURAL GAS COMPANY INC DETAILS & BOM TOWN BORDER STATION SCHEMATIC		
EnSiteUSA DWG NO. 9001	SHEET NO. SHEET 21	REV. C



DISCLAIMER: ENSITEUSA MAKES NO GUARANTEE THAT THIS SURVEY OR THESE MAPS CONTAINS COMPLETE OR CONCLUSIVE UNDERGROUND OR ABOVEGROUND UTILITY INFORMATION. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE LOCATION & PRESERVATION OF ALL UNDERGROUND AND ABOVEGROUND UTILITIES WHETHER OR NOT DEPICTED ON THESE DRAWINGS. THE CONTRACTOR IS TO CONTACT ALL OWNERS OF UNDERGROUND AND ABOVEGROUND UTILITIES PRIOR TO ANY EXCAVATION.

DELTA NATURAL GAS CO. INC.
ESTIMATED COST SUMMARY
NICHOLASVILLE TRANSMISSION 2ND FEED - 8" STEEL
NICHOLASVILLE, KY

<u>ITEM</u>	<u>ESTIMATED COST</u>
CONTRACTOR COST	\$ 6,715,880.00
LABOR COST	\$ 324,000.00
MATERIAL COST	\$ 3,548,658.00
ACCOUNTS PAYABLE (MISC.)	\$ 3,809,508.60
SUB-TOTAL	\$ 14,398,046.60
OVERHEAD COST 32.85%	\$ 4,729,758.31
TOTAL	\$ 19,127,804.91