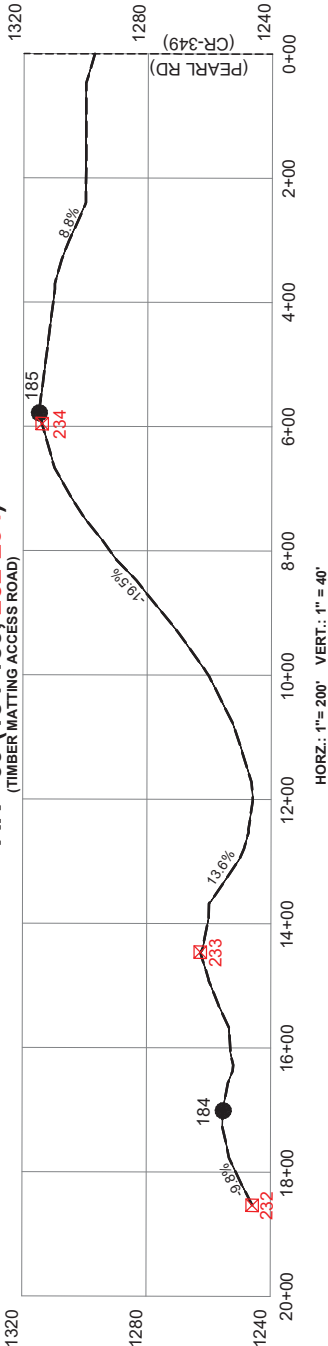


AR - 68 (183, 229-231)
SEE SHEET 106 OF 154

AR - 69 (184-185, 232-234)
(TIMBER MATTING ACCESS ROAD)



AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

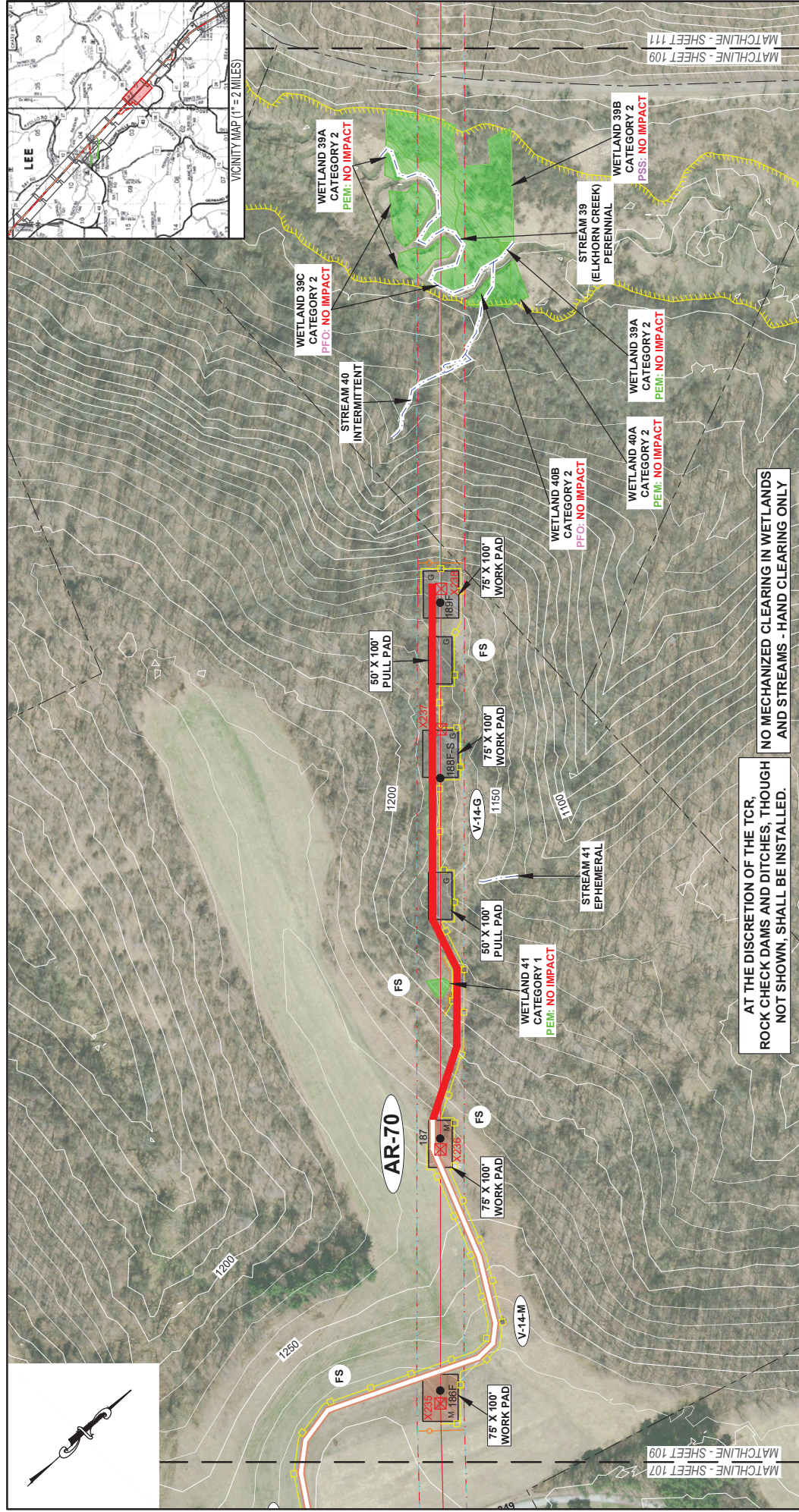
AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

LEGEND
--- EXISTING GRADE
--- PROPOSED GRADE
● PROPOSED STRUCTURE LOCATION
■ EXISTING STRUCTURE LOCATION

Located in the Counties of
Carroll, Harrison,
and Jefferson,
and State of Ohio.
Bair, Goodie and Associates, Inc.,
153 North Broadway Street
New Philadelphia, Ohio 44663
E: jpbair@baigoodie.com
P: 330.343.3499

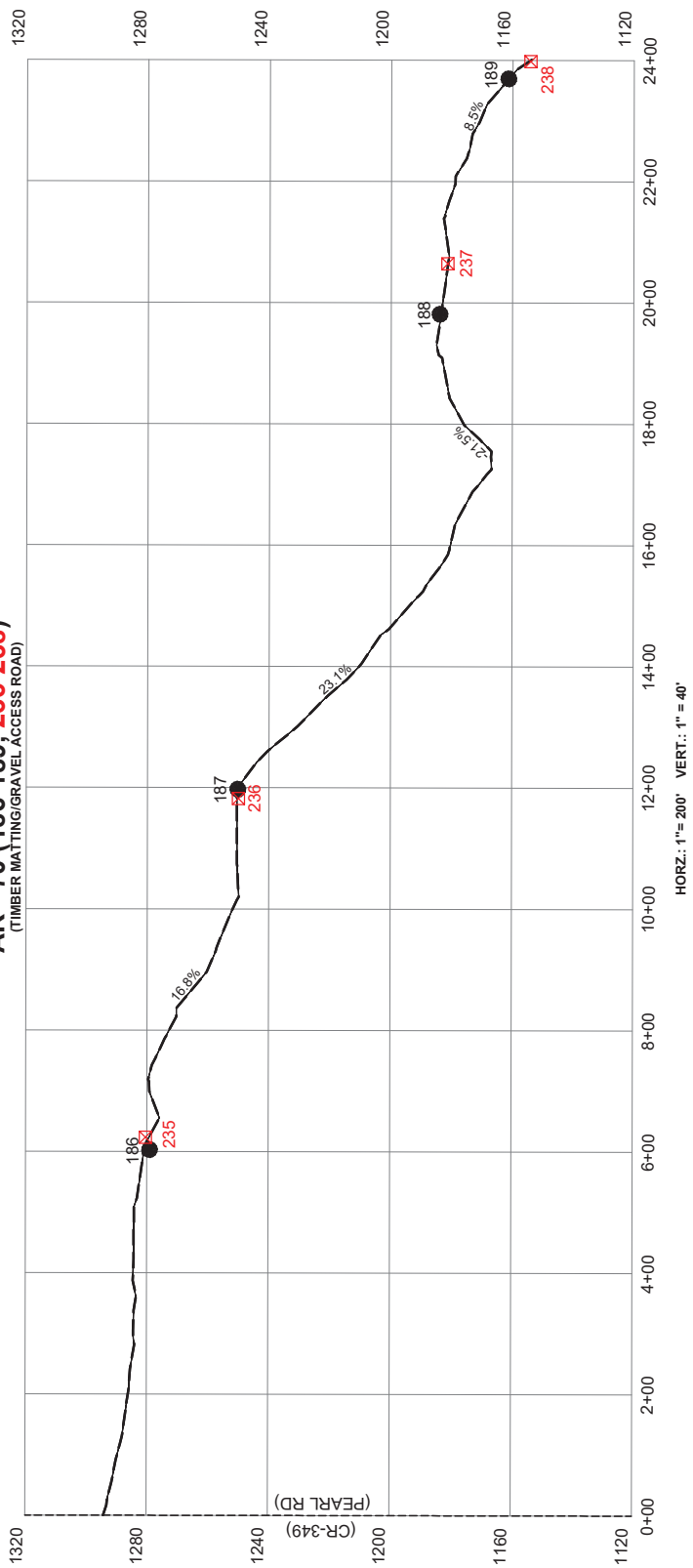
File: TS130 | Date: 08/27/2021 | Sheet: 108 of 154
GABLE-CARROLLTON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURES 184-185
PROFILE VIEWS FOR EXISTING STRUCTURES 232-234





LEGEND EXISTING TRANSMISSION LINE / STRUCTURE PROPOSED TRANSMISSION LINE / STRUCTURE EXISTING AEP RIGHT-OF-WAY PROPOSED AEP RIGHT-OF-WAY IMPROVEMENTS REQUIRED EXISTING ACCESS ROAD MINIMUM IMPROVEMENTS REQUIRED) PROPOSED GRAVEL ACCESS ROAD ORANGE BARRIER FENCE PROPERTY LINE 0' 100' 200' Scale: 1" = 200'	COUNTY/TOWNSHIP LINES GRAVEL PAD MATTED PAD TEMPORARY CONSTRUCTION ENTRANCE ROAD ACCESS ROAD NUMBER ACCESS ROAD LABELING CONSTRUCTED WITH: EXISTING MATERIAL P = PAVED G = GRAVEL M = TIMBER MATTING V = VEGETATION
File: TS130 Date: 08/27/2021 Sheet: 109 of 154 GABLE-CARROLLTON 138K V LINE PLAN VIEWS FOR PROPOSED STRUCTURES 186-189 PLAN VIEWS FOR EXISTING STRUCTURES 232-238	
Located in the Counties of Carroll, Harrison and Jefferson, and State of Ohio. Bair, Gordie and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jgalla@bgagoodie.com P: 330.343.3499	

AR - 70 (186-189, 235-238)
(TIMBER MATTING/GRAVEL ACCESS ROAD)



LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION

AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

File: TS130 | Date: 08/27/2021 | Sheet: 110 of 154

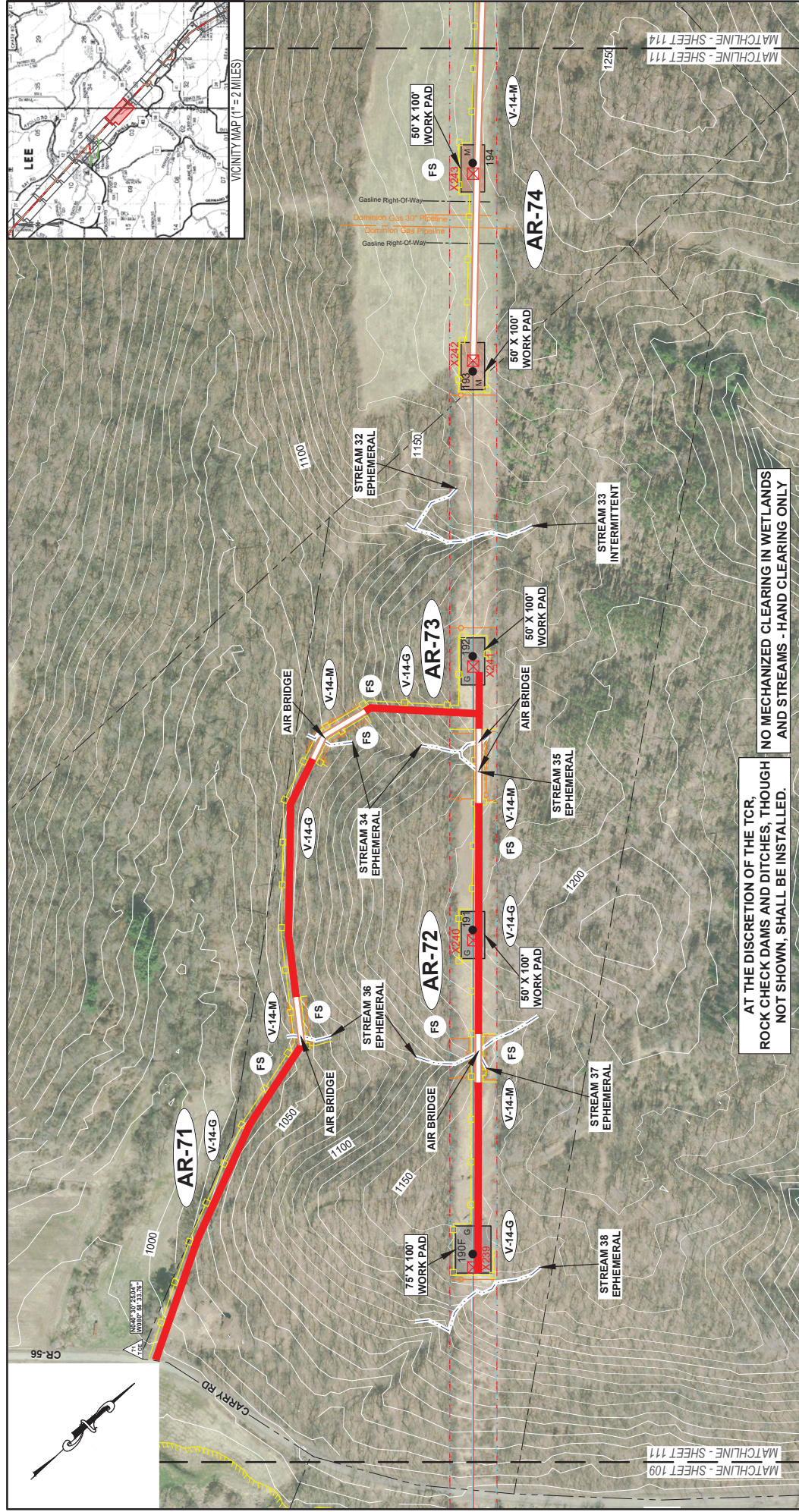
Located in the Counties of
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and Jefferson,
and State of Ohio.

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New Philadelphia, Ohio 44663
E: jpbair@bairgoodie.com
P: 330.343.3499

GABLE-CARROLLTON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURES 186-189
PROFILE VIEWS FOR EXISTING STRUCTURES 235-238

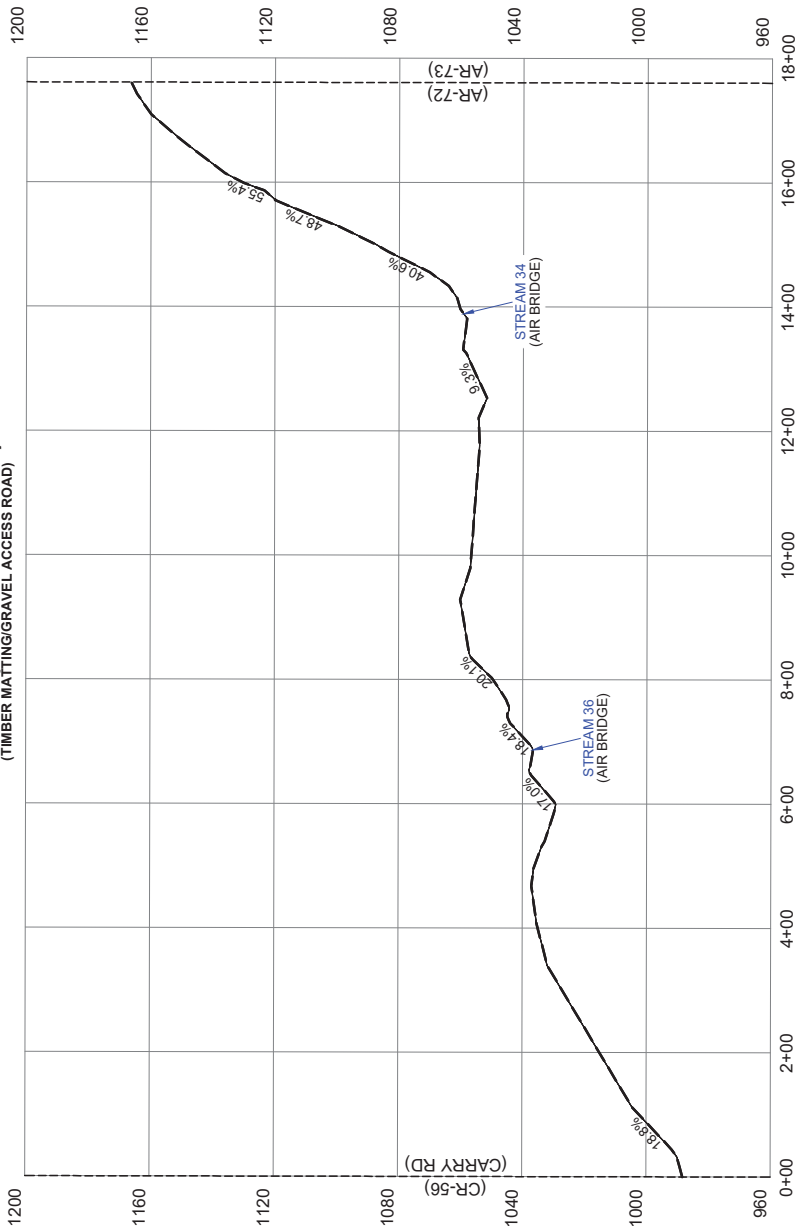
BAIR
GOODIE

AMERICAN
ELECTRIC
POWER



LEGEND 	
-------------------	--

AR - 71 (190-192, 239-241)
(TIMBER MATTING/GRAVEL ACCESS ROAD)



HORZ.: 1"= 200' VERT.: 1" = 40'

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION
- 36
- 52

AIR BRIDGES TO BE INSTALLED AT ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR, ROCK CHECK DAMS AND DITCHES, THOUGH NOT SHOWN, SHALL BE INSTALLED.

File: TS130 | Date: 08/27/2021 | Sheet: 112 of 154

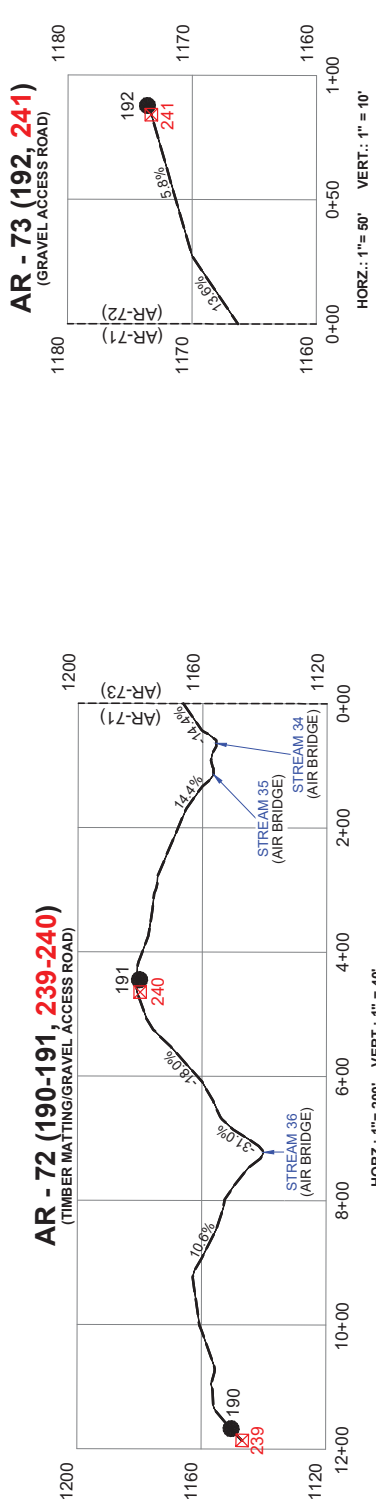
GABLE-CARROLLTON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURES
PROFILE VIEWS FOR EXISTING STRUCTURES

Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio.

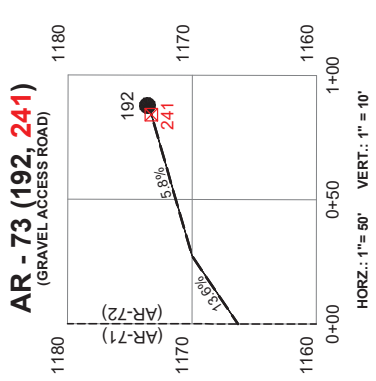
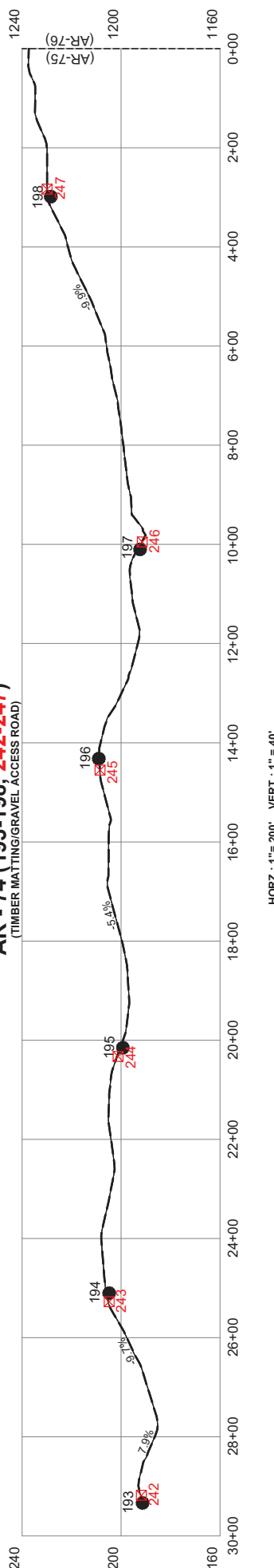
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P: 330.343.3499

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POWER



AR - 74 (193-198, 242-247)
(TIMBER MATTING/GRAVEL ACCESS ROAD)



LEGEND

--- EXISTING GRADE

--- PROPOSED GRADE

● PROPOSED STRUCTURE LOCATION

■ EXISTING STRUCTURE LOCATION

● 36

■ 52

AIR BRIDGES TO BE INSTALLED AT ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR, ROCK CHECK DAMS AND DITCHES, THOUGH NOT SHOWN, SHALL BE INSTALLED.

Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio.

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P: 330.343.3499

BAIR GOODIE

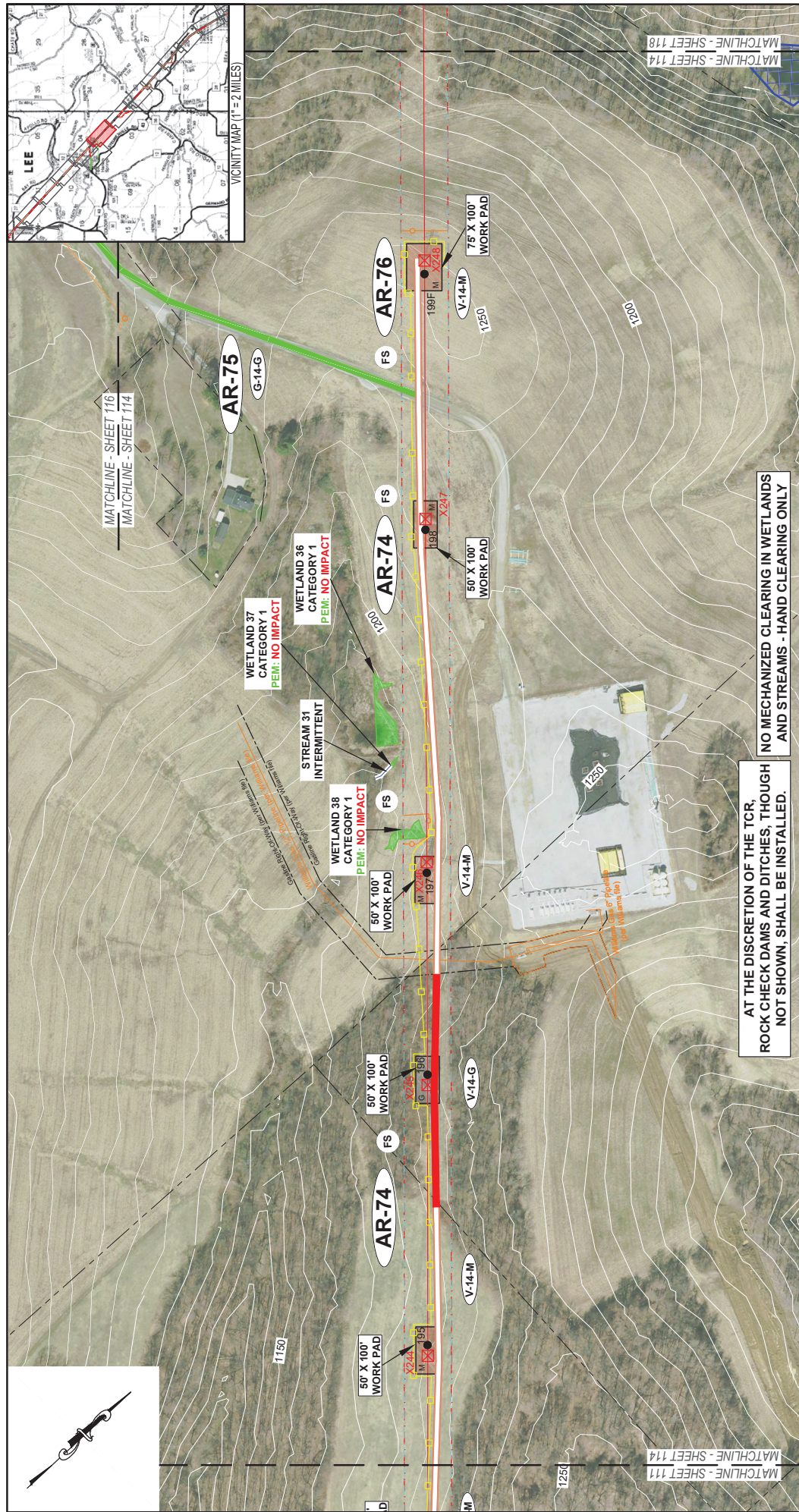
AMERICAN ELECTRIC POWER

File: TS130 | Date: 08/27/2021 | Sheet: 113 of 154

GABLE-CARROLLTON 138KV LINE

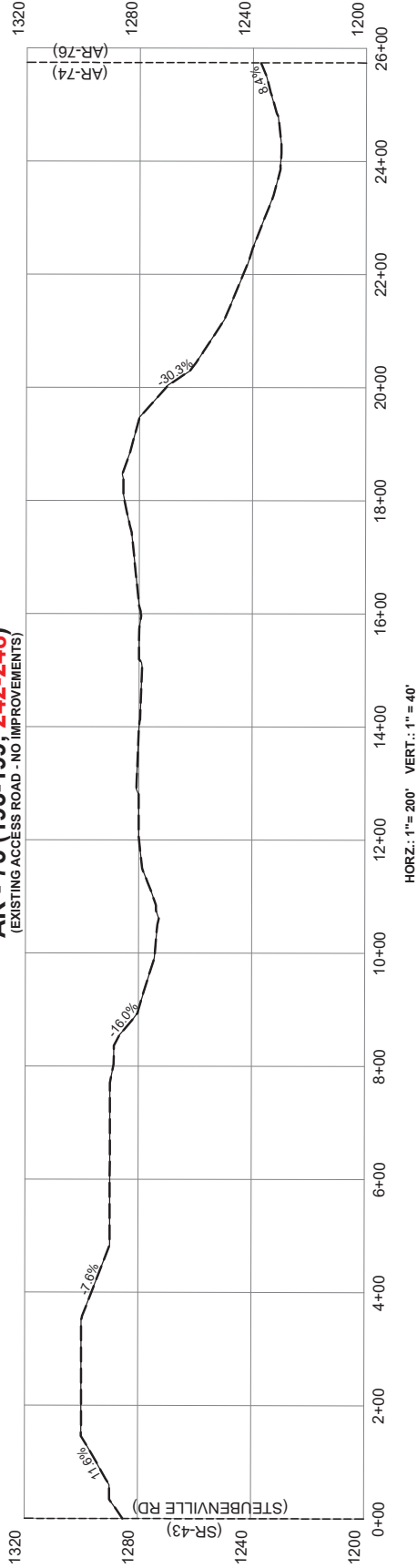
PROFILE VIEWS FOR PROPOSED STRUCTURES 192-196

PROFILE VIEWS FOR EXISTING STRUCTURES 239-247



LEGEND  ✕11  15      		EXISTING TRANSMISSION LINE / STRUCTURE PROPOSED TRANSMISSION LINE / STRUCTURE EXISTING AEP RIGHT-OF-WAY PROPOSED AEP RIGHT-OF-WAY EXISTING ACCESS ROAD MINIMUM IMPROVEMENTS REQUIRED PROPOSED GRAVEL ACCESS ROAD EXISTING ACCESS ROAD MINIMUM IMPROVEMENTS REQUIRED ORANGE BARRIER FENCE PROPERTY LINE		COUNTY/TOWNSHIP LINES EXISTING CONTOUR DELINEATED STREAM DELINEATED WETLAND NW1 WETLAND FEMA FLOODPLAIN ZONE A EXISTING CULVERT FILTER SOCK LENGTH		TEMPORARY CONSTRUCTION ENTRANCE  GRAVEL PAD  MATTED PAD		ACCESS ROAD NUMBERING 		ACCESS ROAD LABELING CONTRIBUTED INCH 		Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio. Bairst Goodie and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jbairst@goodie.com P: 330.343.3490		File: TS130 Date: 08/27/2021 Sheet: 114 of 154 GABLE-CARROLLTON 138KV LINE PLAN VIEWS FOR PROPOSED STRUCTURES 195-199 PLAN VIEWS FOR EXISTING STRUCTURES 244-248			
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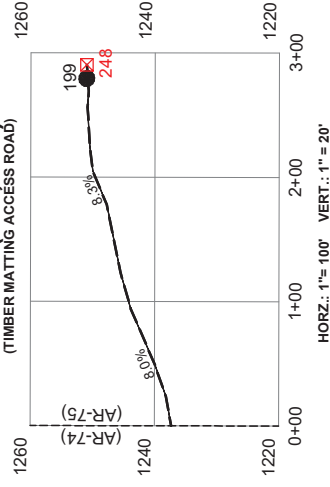
AR - 75 (193-199, 242-248)
(EXISTING ACCESS ROAD - NO IMPROVEMENTS)



AR - 74 (193-198, 242-247)

SEE SHEET 112 of 154

AR - 76 (199, 248)
(TIMBER MATTING ACCESS ROAD)



AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- EXISTING STRUCTURE LOCATION
- PROPOSED STRUCTURE LOCATION

36

52

File: TS130 | Date: 08/27/2021 | Sheet: 115 of 154

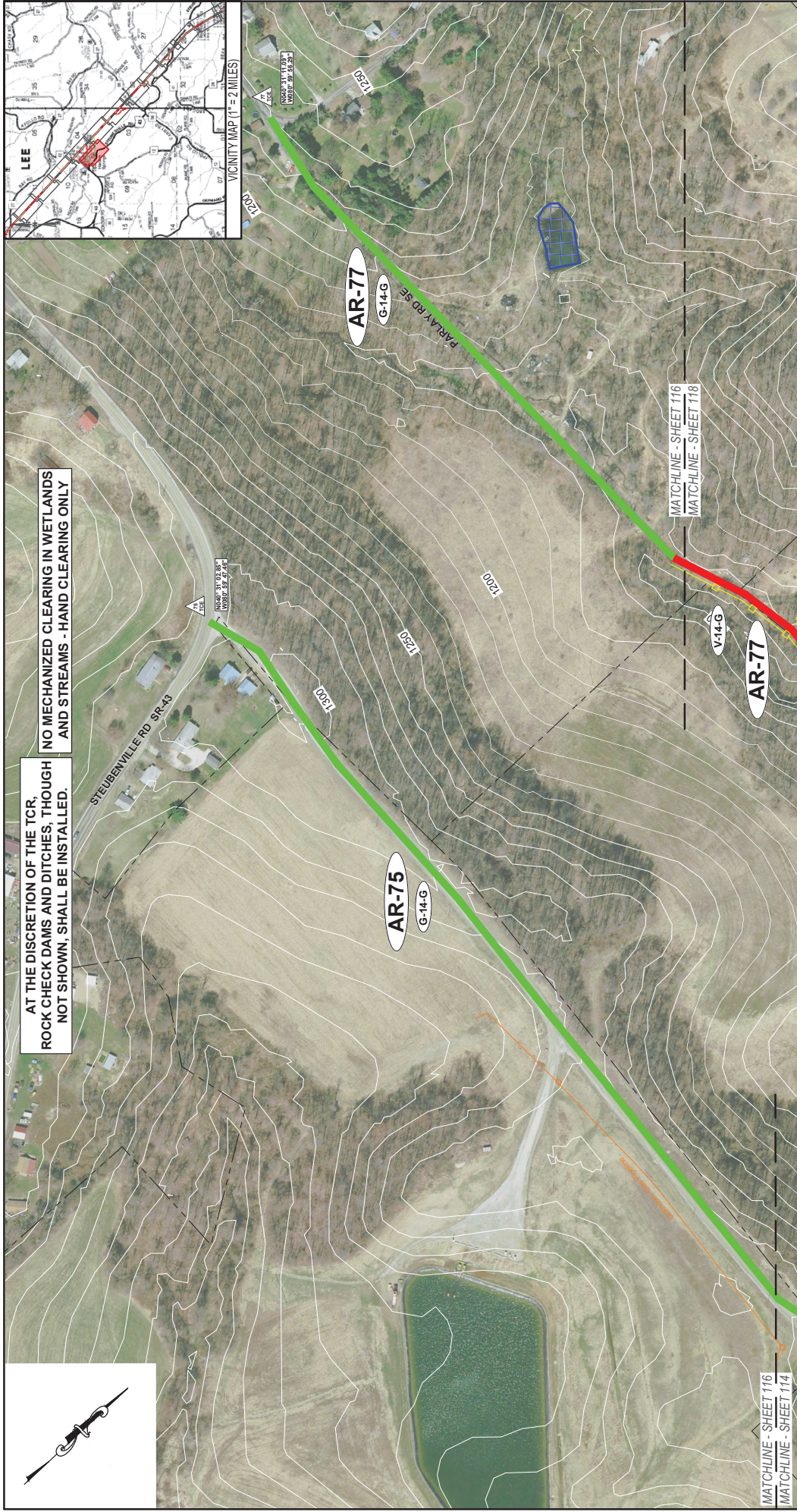
GABLE-CARROLL TON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURE 199
PROFILE VIEWS FOR EXISTING STRUCTURE 248

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and State of Ohio.

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P: 330.343.3499

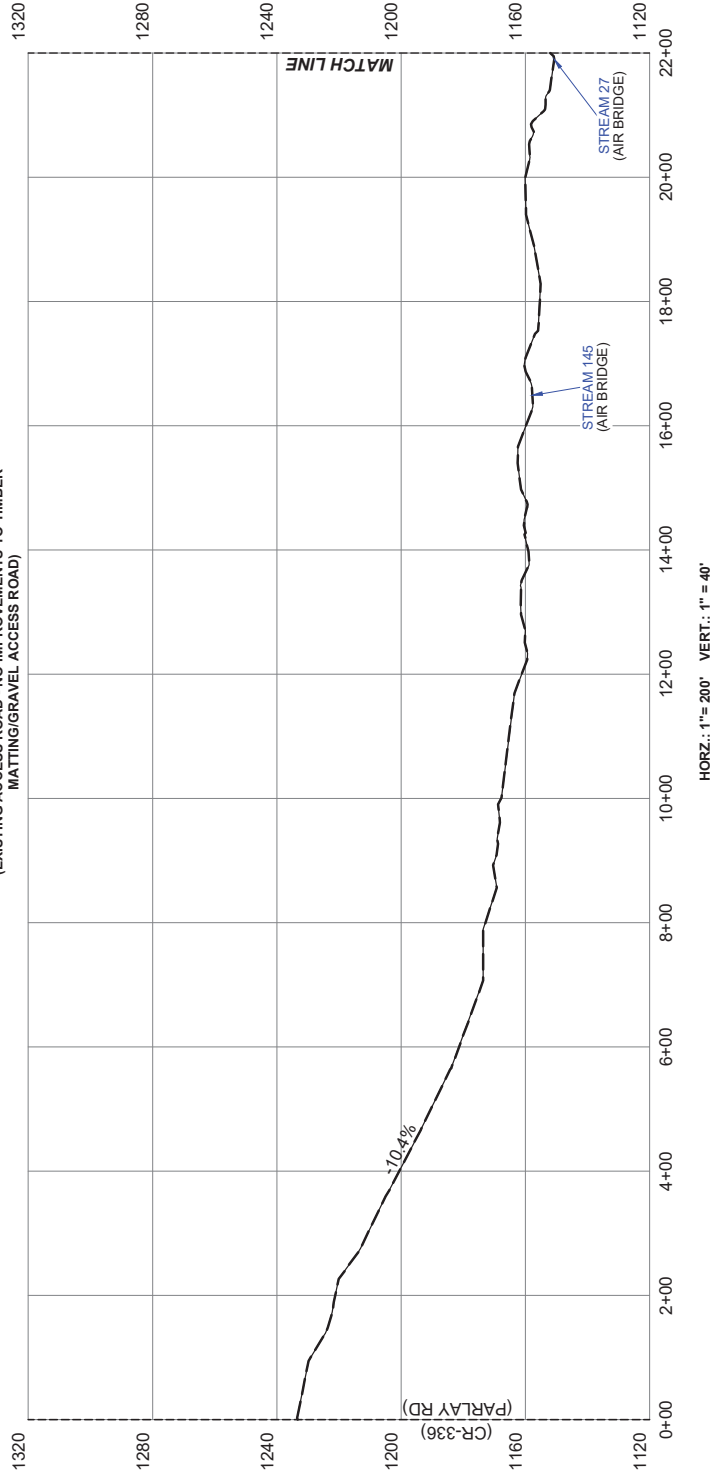


BAIR
GOODIE



LEGEND - EXISTING TRANSMISSION LINE / STRUCTURE - PROPOSED TRANSMISSION LINE / STRUCTURE - EXISTING RIGHT OF WAY - EXISTING ACCESS ROAD (NO IMPROVEMENTS REQUIRED) - PROPOSED ACCESS ROAD (MINIMUM IMPROVEMENTS REQUIRED) - PROPOSED GRAVEL ACCESS ROAD - PROPOSED TIMBER/PLANTING ACCESS ROAD - ACCESS ROAD - PROPERTY LINE	TEMPORARY CONSTRUCTION ENTRANCE - GRAVEL PAD - MATTED PAD	ACCESS ROAD NUMBERING AR - 1	ACCESS ROAD LABELING - CONSTRUCTED WITH - EXISTING MATERIAL - REPAVED - D - DIRT - G - GRAVEL - V - VEGETATION	Scale: 1" = 200' 0' 100' 200'	Located in the Courties of Carroll, Harrison, and Jefferson, and State of Ohio.	File: TS130 Date: 08/27/2021 Sheet: 116 of 154 GABLE-CARROLLTON 138KV LINE PLAN VIEWS FOR PROPOSED STRUCTURES PLAN VIEWS FOR EXISTING STRUCTURES BAIR GOOD Bair, Goodie and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jpell@bairgoodie.com P: 330.343.3499
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AR - 77 (200-203, 249-253)
(EXISTING ACCESS ROAD - NO IMPROVEMENTS TO TIMBER
MATTING/GRAVEL ACCESS ROAD)



HORZ.: 1"= 200' VERT.: 1"= 40'

AR - 75 (193-199, 242-248)

SEE SHEET 115 of 154

AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- 36 EXISTING STRUCTURE LOCATION
- 52 EXISTING STRUCTURE LOCATION

Located in the Counties of
Carroll, Harrison,
and Jefferson,
and State of Ohio.

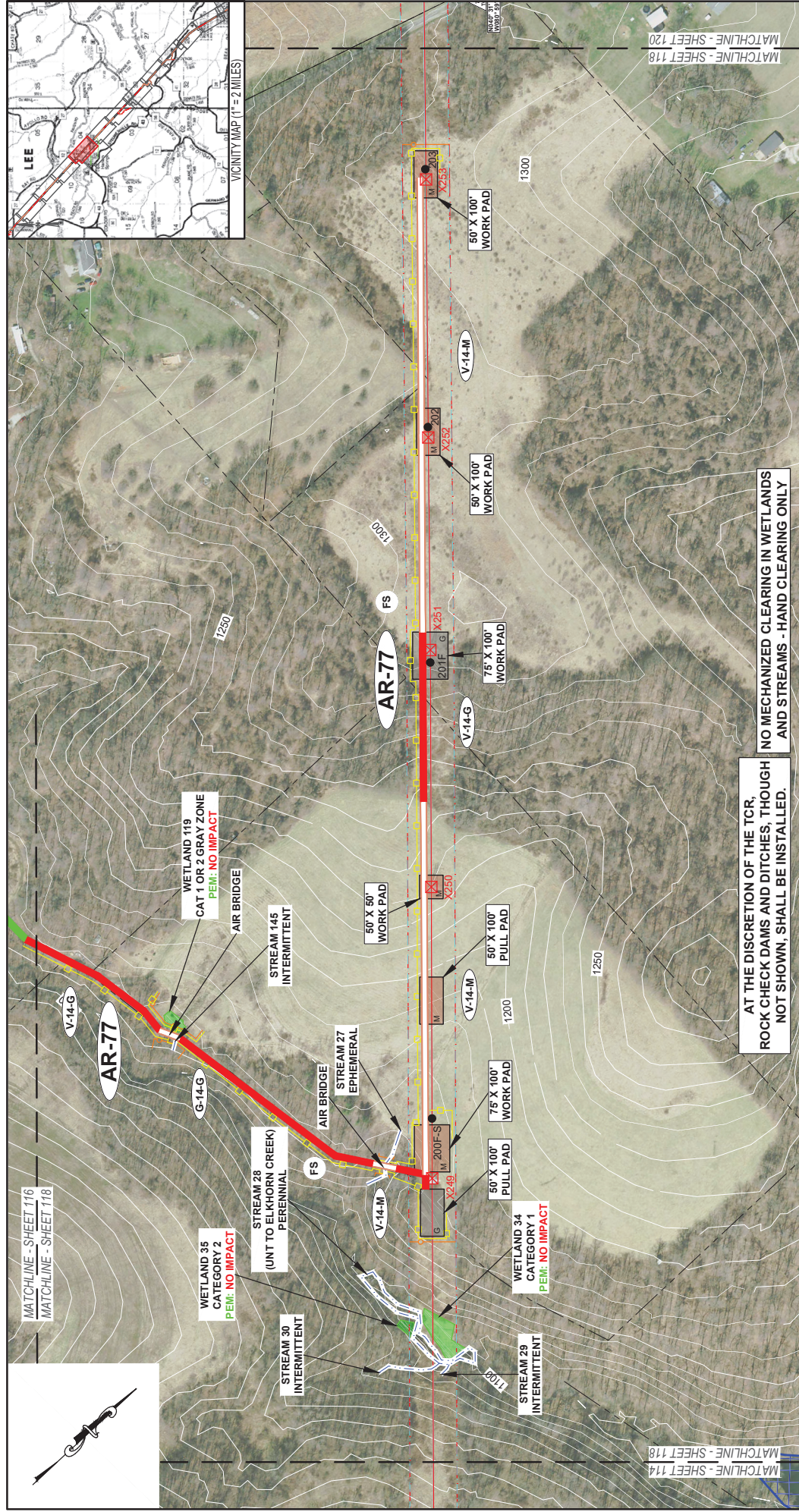
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New Philadelphia, Ohio 44663
E: jpb@baigoodie.com
P: 330.343.3499

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File: TS130 | Date: 08/27/2021 | Sheet: 117 of 154

GABLE-CARROLLTON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURES
PROFILE VIEWS FOR EXISTING STRUCTURES



LEGEND

- EXISTING TRANSMISSION LINE / STRUCTURE
- PROPOSED TRANSMISSION LINE / STRUCTURE
- EXISTING AEP RIGHT-OF-WAY
- PROPOSED AEP RIGHT-OF-WAY
- EXISTING ACCESS ROAD (IMPROVEMENTS REQUIRED)
- EXISTING ACCESS ROAD (MINIMUM IMPROVEMENTS REQUIRED)
- PROPOSED ACCESS ROAD
- PROPOSED TIMBER MATTING ACCESS ROAD
- ORANGE BARRIER MATTING
- PROPERTY LINE

--- --

--- 1020 ---

EXISTING CONTOUR

DELINEATED STREAM

DELINEATED WETLAND

NWI WETLAND

FEWA FLOODPLAIN ZONE A

EXISTING CULVERT

FLTER SOCK LENGTH

TEMPORARY CONSTRUCTION ENTRANCE

GRAVEL PAD

MATTED PAD

ACCESS ROAD NUMBERING

AR - 1

ACCESS ROAD LABELING

CONSTRUCTED MICH

EXISTENTIAL

REFILL MATERIAL

P = PAVED

G = GRAVEL

M = TIMBER MATTING

V = VEGETATION

Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio.

Bair, Goffette and Associates, Inc.
153 North Broadway Street
New Philadelphia, Ohio 44663
E: jgoff@bga-ohio.com
P: 330.343.3499

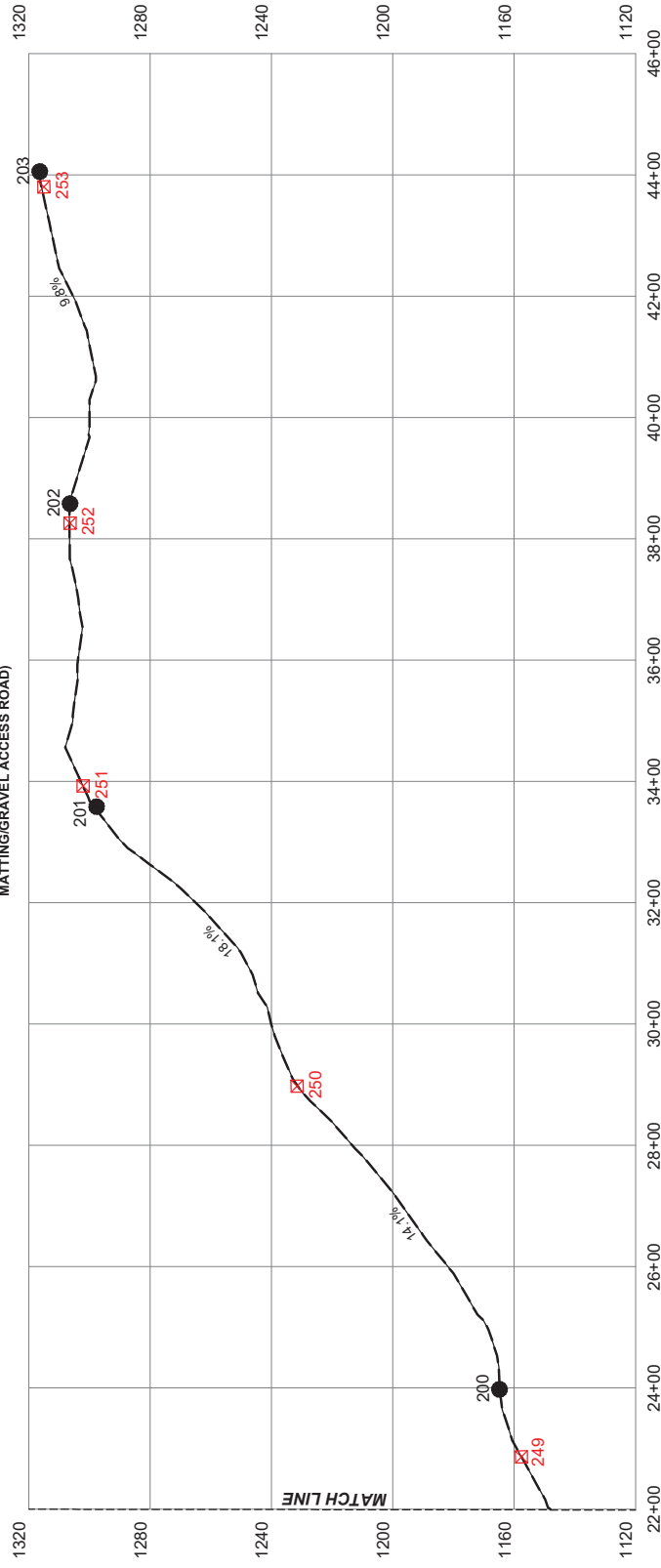
File: TS130 | Date: 08/27/2021 | Sheet: 118 of 154

GABLE-CARROLLTON 138KV LINE

PLAN VIEWS FOR PROPOSED STRUCTURES 200-203

PLAN VIEWS FOR EXISTING STRUCTURES 249-253

AR - 77 (200-203, 249-253)
(EXISTING ACCESS ROAD - NO IMPROVEMENTS TO TIMBER
MATTING/GRAVEL ACCESS ROAD)



HORZ.: 1"= 200' VERT.: 1" = 40'

LEGEND

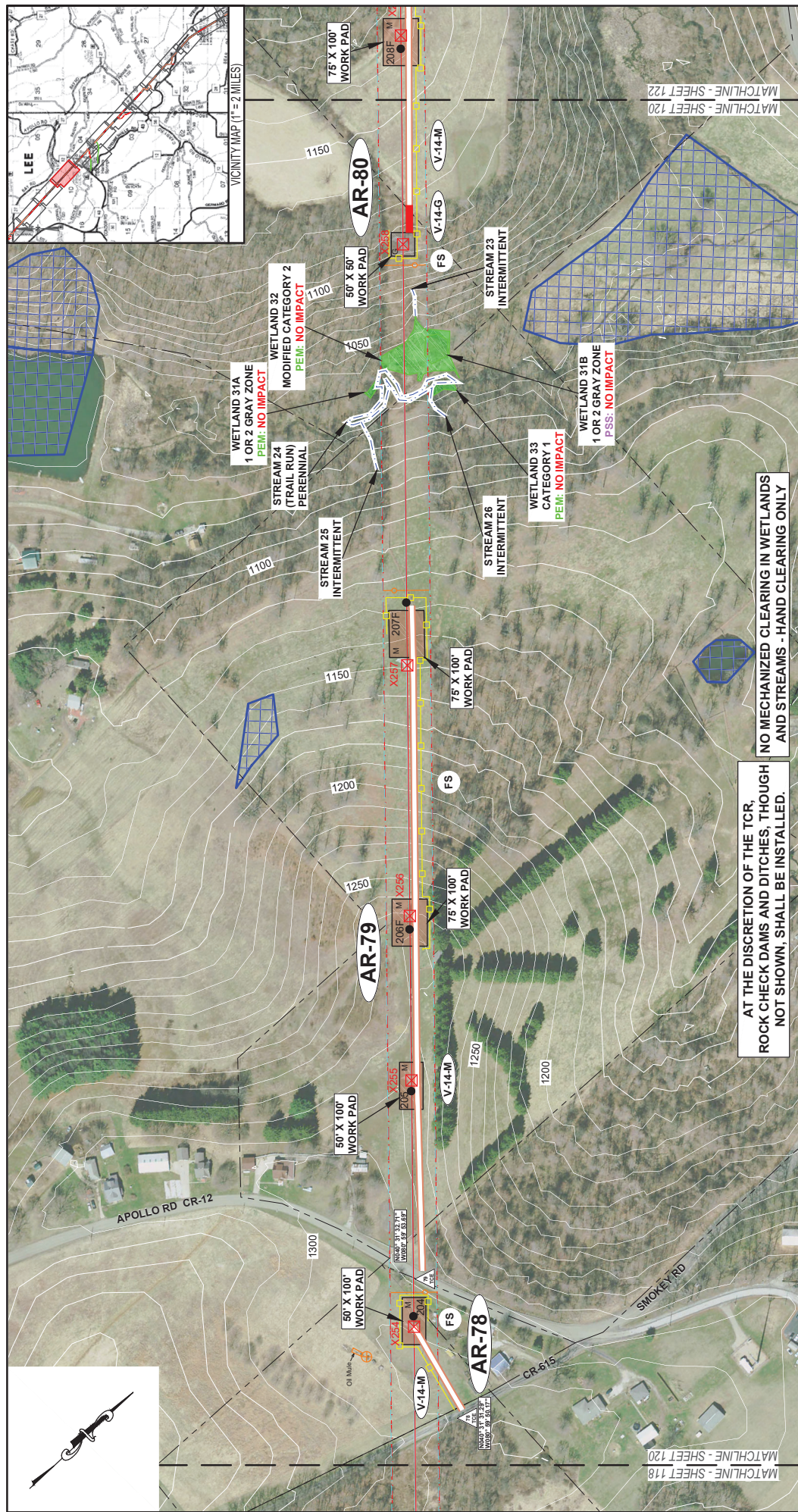
- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION

AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

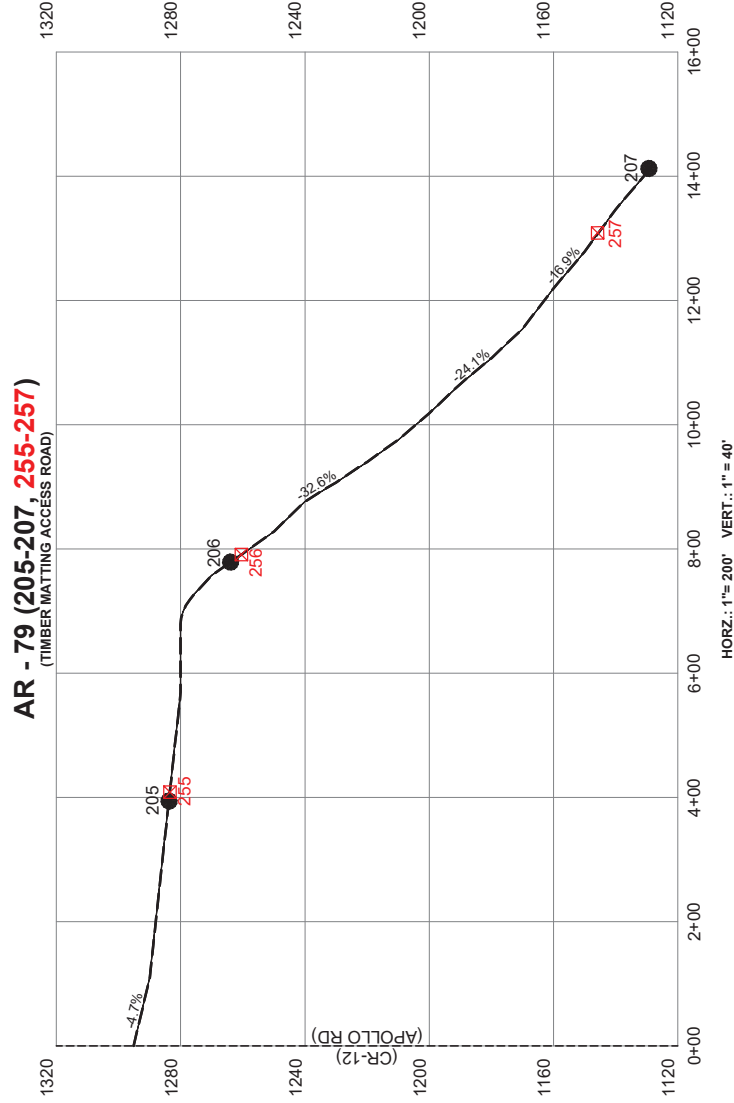
AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

File: TS130 Date: 08/27/2021 Sheet: 119 of 154 GABLE-CARROLL TON 138KV LINE PROFILE VIEWS FOR PROPOSED STRUCTURES 200-203 PROFILE VIEWS FOR EXISTING STRUCTURES 249-253	Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio.	BAIR GOODE Bair, Goode and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jpb@baigoodie.com P: 330.343.3499
	EXISTING GRADE PROPOSED GRADE PROPOSED STRUCTURE LOCATION EXISTING STRUCTURE LOCATION	



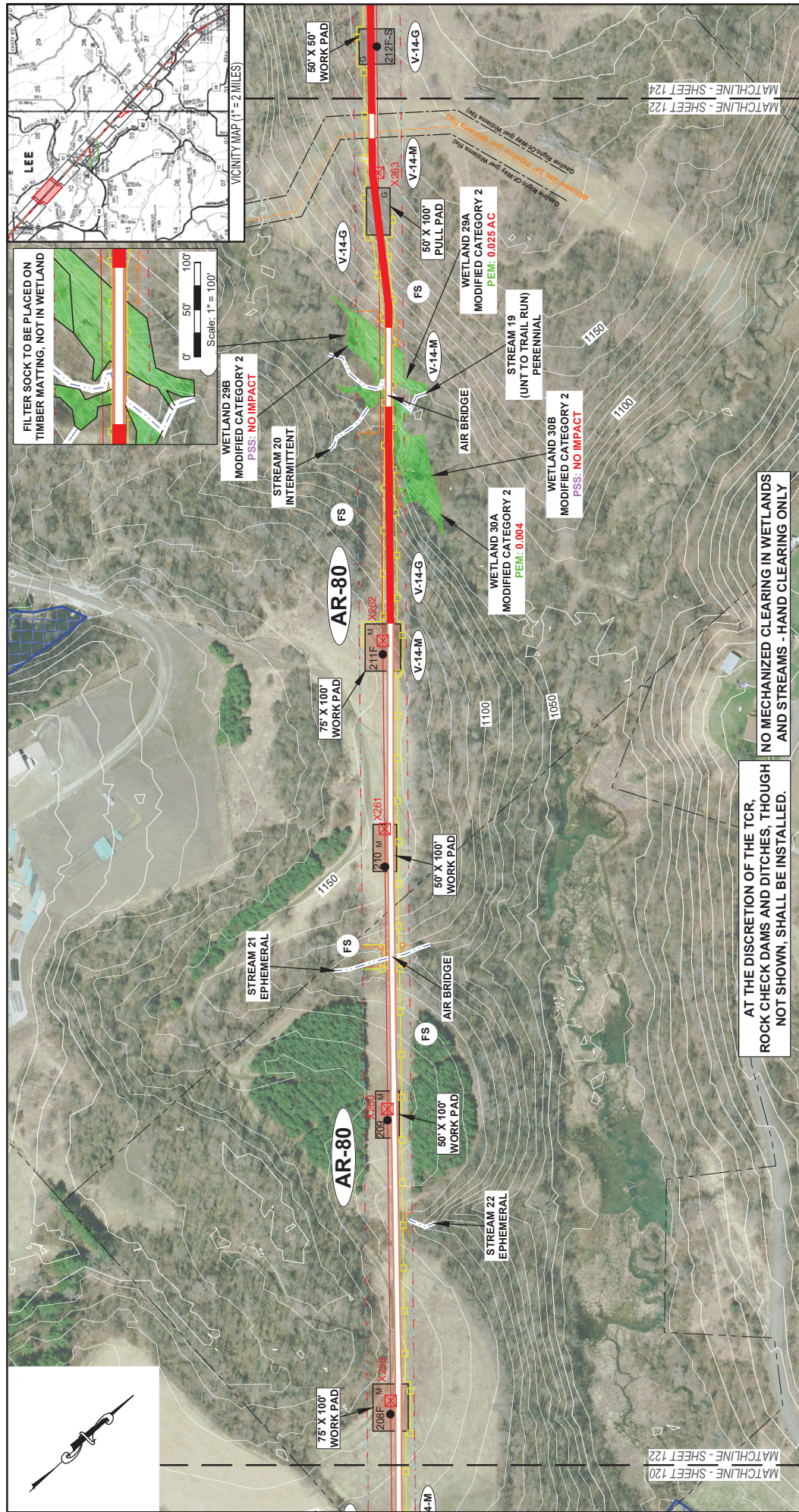


LEGEND  ✕11  15         		EXISTING TRANSMISSION LINE / STRUCTURE PROPOSED TRANSMISSION LINE / STRUCTURE EXISTING AEP RIGHT-OF-WAY PROPOSED AEP RIGHT-OF-WAY EXISTING ACCESS ROAD (IMPROVEMENTS REQUIRED) PROPOSED ACCESS ROAD (MINIMUM IMPROVEMENTS REQUIRED) PROPOSED GRAVEL ACCESS ROAD ORANGE BARRIER FENCE PROPERTY LINE		COUNTY/TOWNSHIP LINES EXISTING CONTOUR DELINEATED STREAM DELINEATED WETLAND NW1 WETLAND FEMA FLOODPLAIN ZONE A EXISTING CULVERT FILTER SOCK LENGTH		TEMPORARY CONSTRUCTION ENTRANCE  GRAVEL PAD  MATTED PAD		ACCESS ROAD NUMBERING  ACCESS ROAD NUMBER		ACCESS ROAD LABELING  CONSTRUCTED WETLAND DRYTIME MATERIAL RETAINED MATERIAL P = PAVED G = GRAVEL M = TIMBER MATTING V = VEGETATION		0' 100' 200' Scale: 1" = 200' Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio. Blair, Gootie and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E.jgtr@bgaivgootie.com P. 330.343.3499		File: TS130 Date: 08/27/2021 Sheet: 120 of 154 GABLE-CARROLLTON 138K/ LINE PLAN VIEWS FOR PROPOSED STRUCTURES 204-207 PLAN VIEWS FOR EXISTING STRUCTURES 244-258 	
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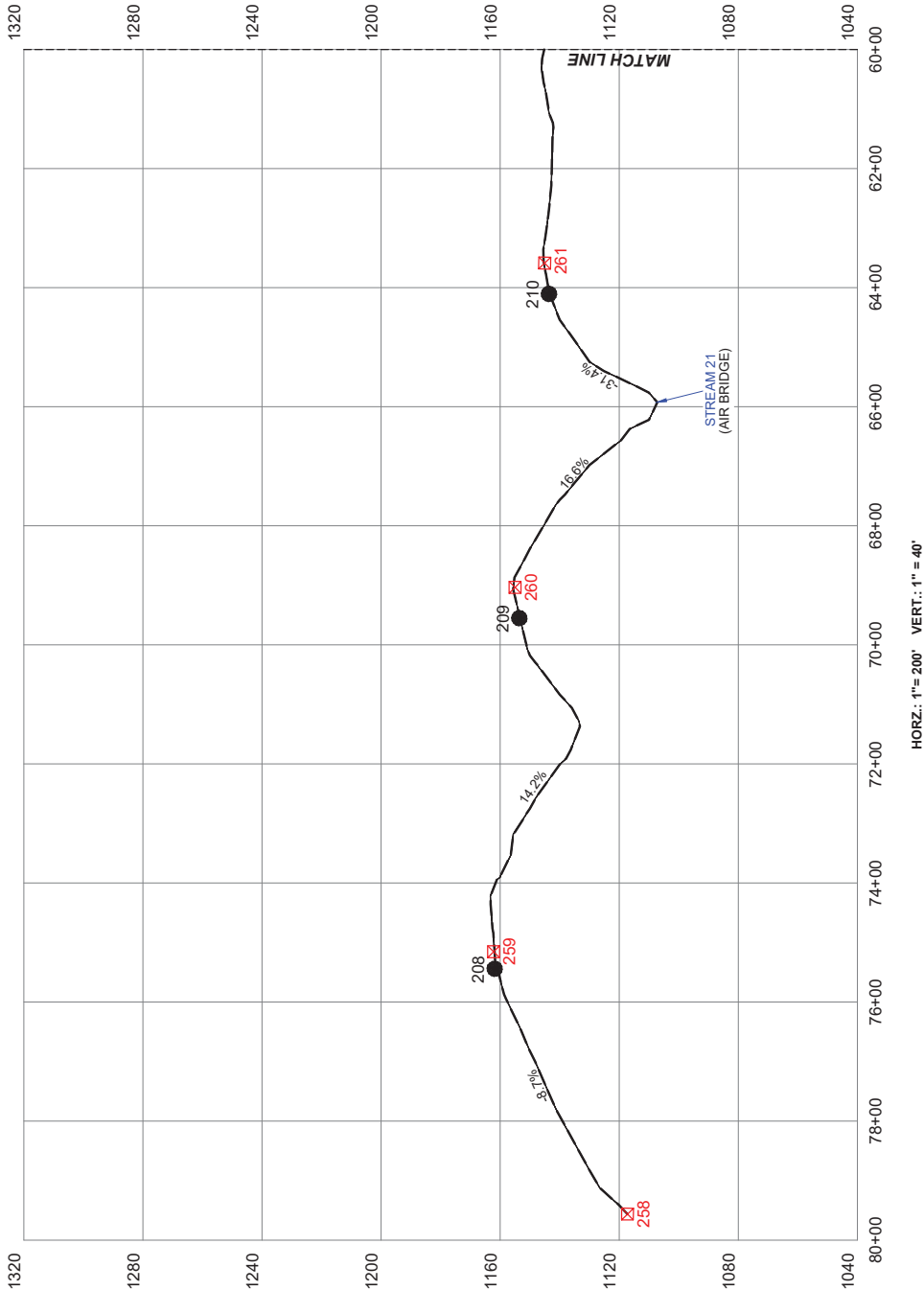
AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

LEGEND ----- - - - - - ● 36 ☒ 52	EXISTING GRADE PROPOSED GRADE PROPOSED STRUCTURE LOCATION EXISTING STRUCTURE LOCATION	Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio. Bair, Goodie and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E. Jantz@bairgoodie.com P. 330.343.3499	File: TS130 Date: 08/27/2021 Sheet: 121 of 154 GABLE-CARROLLTON 138KV LINE PROFILE VIEWS FOR EXISTING STRUCTURES 204-207 PROFILE VIEWS FOR PROPOSED STRUCTURES 24-29	



LEGEND 		QUANTITY/TOWNSHIP LINES EXISTING CONTOUR DELINEATED STREAM DELINEATED WETLAND NW1 FLOODPLAIN ZONE A FEMA FLOODPLAIN ZONE A EXISTING CULVERT FILTER SOCK LENGTH		TEMPORARY CONSTRUCTION ENTRANCE GRAVEL PAD MATTED PAD		ACCESS ROAD NUMBERING 		ACCESS ROAD LABELING CONTRIBUTED WIDTH EXISTING MATERIAL ROAD NUMBER ACCESS ROAD ROAD MATERIAL P = PAVED G = GRAVEL M = MATTER MATTING V = VEGETATION		Bearings are oriented to the Ohio State Plane Coordinate System (NAD 83). 0' 100' 200' Scale: 1" = 200'		Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio. Blair Goffle and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jgoffle@bgaassoc.com P: 330.343.3499		File: TS130 Date: 08/27/2021 Sheet: 122 of 154 GABLE-CARROLLTON 138KV LINE PLAN VIEWS FOR PROPOSED STRUCTURES 208-211 PLAN VIEWS FOR EXISTING STRUCTURES 259-263			
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AR - 80 (208-217, 258-270) (TIMBER MATTING/GRAVEL ACCESS ROAD)



HORZ.: 1"= 200' VERT.: 1" = 40'

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION

AIR BRIDGES TO BE INSTALLED AT ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR, ROCK CHECK DAMS AND DITCHES, THOUGH NOT SHOWN, SHALL BE INSTALLED.

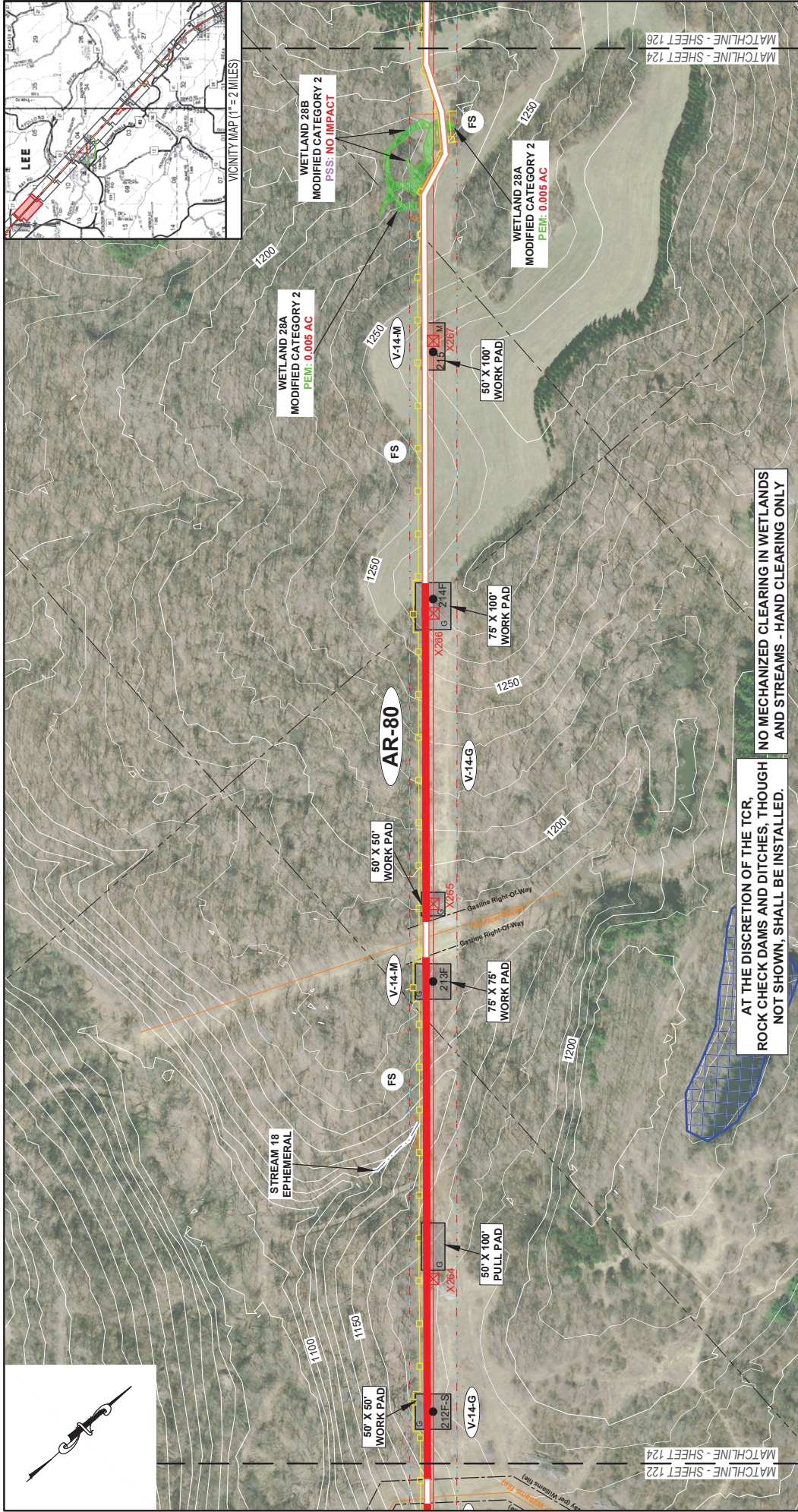
File: TS130 | Date: 08/27/2021 | Sheet: 123 of 154

GABLE-CARROLL TON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURES 208-210
PROFILE VIEWS FOR EXISTING STRUCTURES 258-261

Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio.

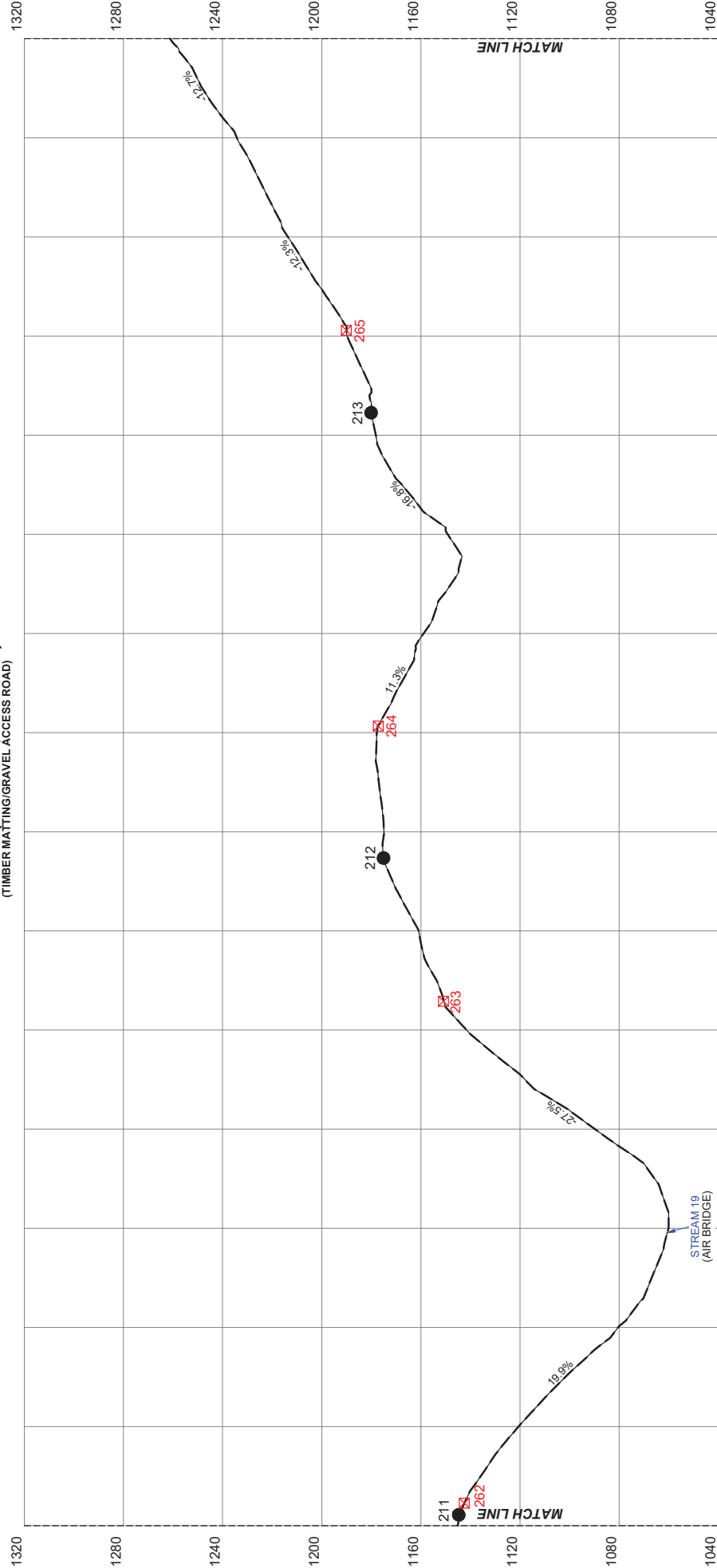
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153 North Broadway Street
New Philadelphia, Ohio 44663
E: jpell@baigoodie.com
P: 330.343.3499





LEGEND 		COUNTY/TOWNSHIP LINES 		TEMPORARY CONSTRUCTION ENTRANCE 		ACCESS ROAD NUMBERING 		ACCESS ROAD LABELING 		Scale: 1" = 200' 		Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio. Beir, Goode and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jpell@bairgoode.com P: 330.343.3499		File: TS130 Date: 08/27/2021 Sheet: 124 of 154 GABLE-CARROLLTON 138KV LINE PLAN VIEWS FOR PROPOSED STRUCTURES 122-125 PLAN VIEWS FOR EXISTING STRUCTURES 204-207	
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AR - 80 (208-217, 258-270)
(TIMBER MATTING/GRAVEL ACCESS ROAD)



HORZ.: 1"= 200' VERT.: 1"= 40'

**AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS**

**AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.**

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION
- 36
- 52

File: TS130 | Date: 08/27/2021 | Sheet: 125 of 154

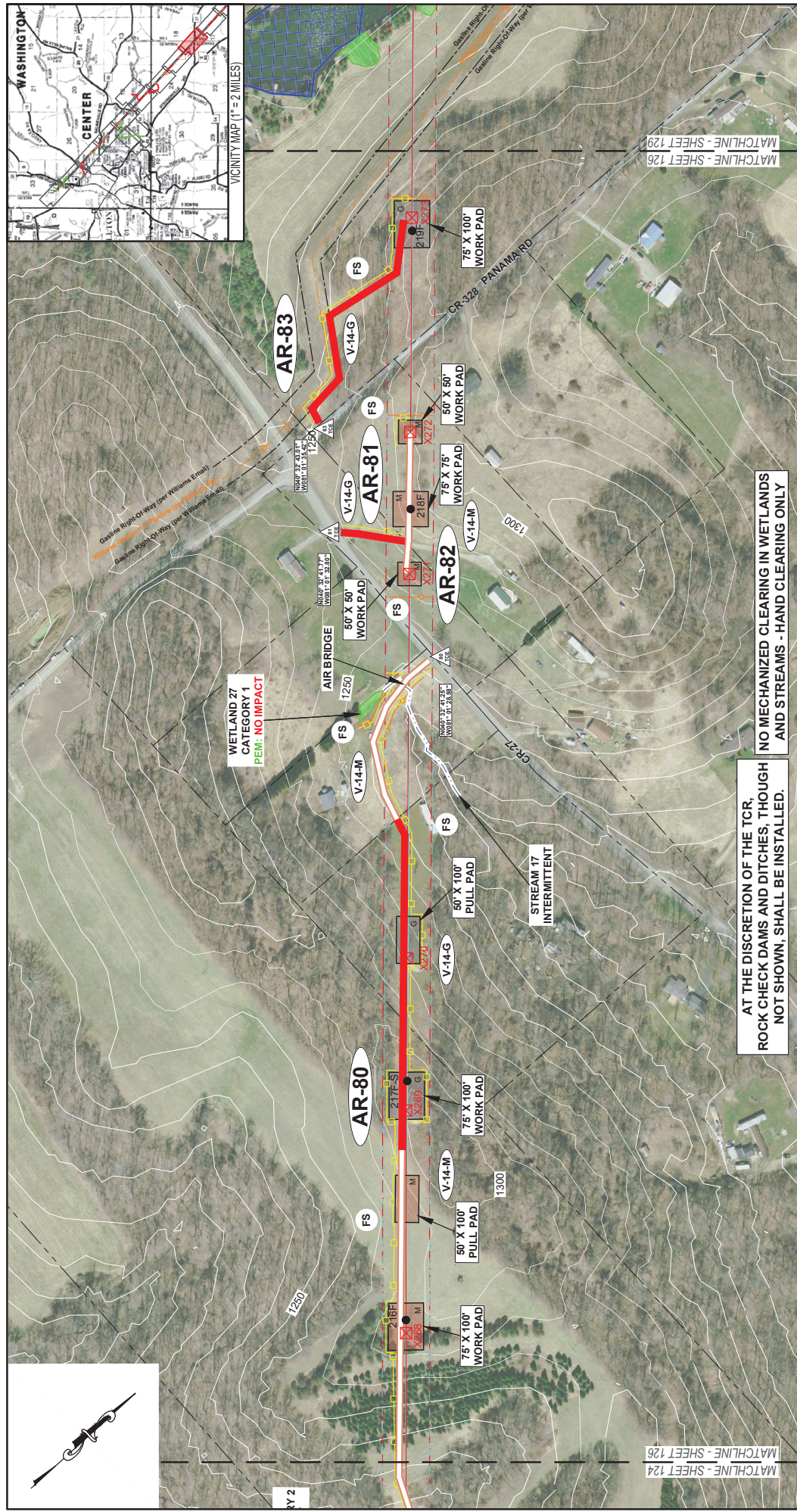
GABLE-CARROLLTON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURES 211-213
PROFILE VIEWS FOR EXISTING STRUCTURES 262-265

Located in the Counties of
Carroll, Harrison,
and Jefferson,
and State of Ohio.

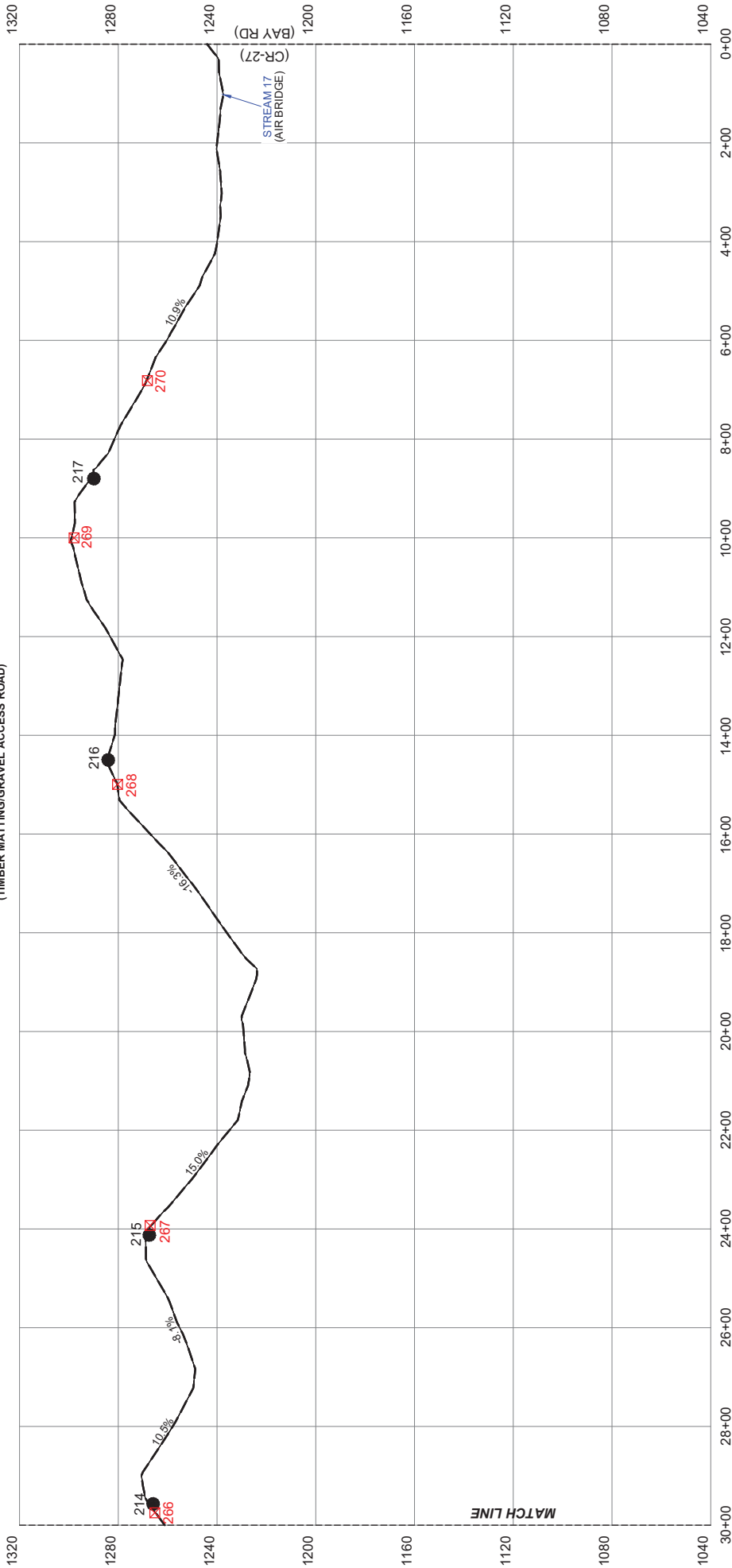
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P: 330.343.3499

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GOODIE**



[illegible]

AR - 80 (208-217, 258-270)
(TIMBER MATTING/GRAVEL ACCESS ROAD)



HORZ.: 1"= 200' VERT.: 1" = 40'

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION
- 36
- 52

AIR BRIDGES TO BE INSTALLED AT ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR, ROCK CHECK DAMS AND DITCHES, THOUGH NOT SHOWN, SHALL BE INSTALLED.

File: TS130 | Date: 08/27/2021 | Sheet: 127 of 154

GABLE-CARROLLTON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURES 214-217
PROFILE VIEWS FOR EXISTING STRUCTURES 266-270

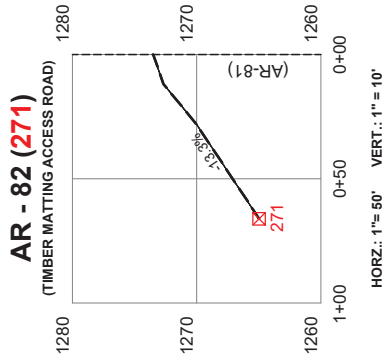
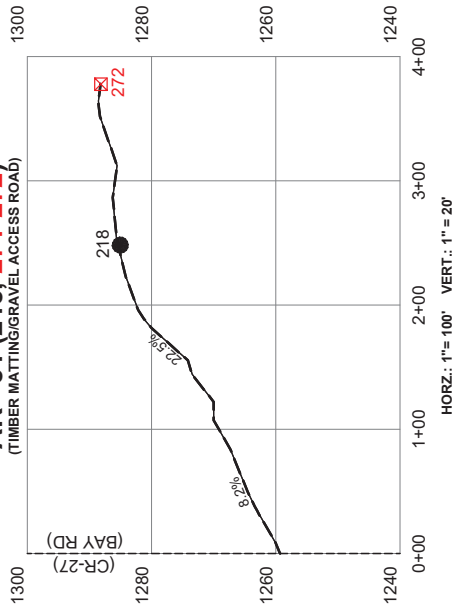
Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio.

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P: 330.343.3499

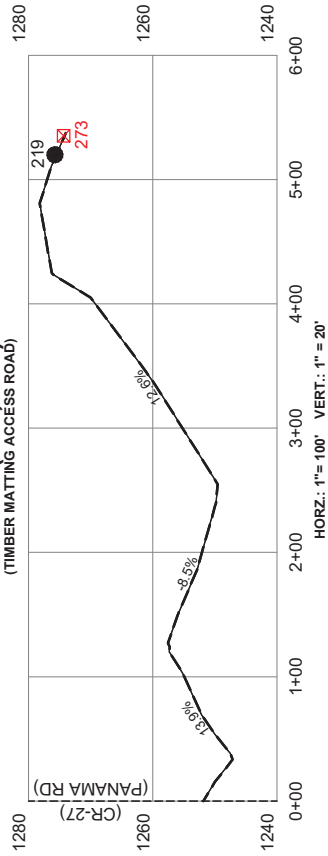
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GOODIE

AMERICAN
ELECTRIC
POWER

AR - 81 (218, 271-272)



AR - 83 (219, 273)



AIR BRIDGES TO BE INSTALLED AT ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR, ROCK CHECK DAMS AND DITCHES, THOUGH NOT SHOWN, SHALL BE INSTALLED.

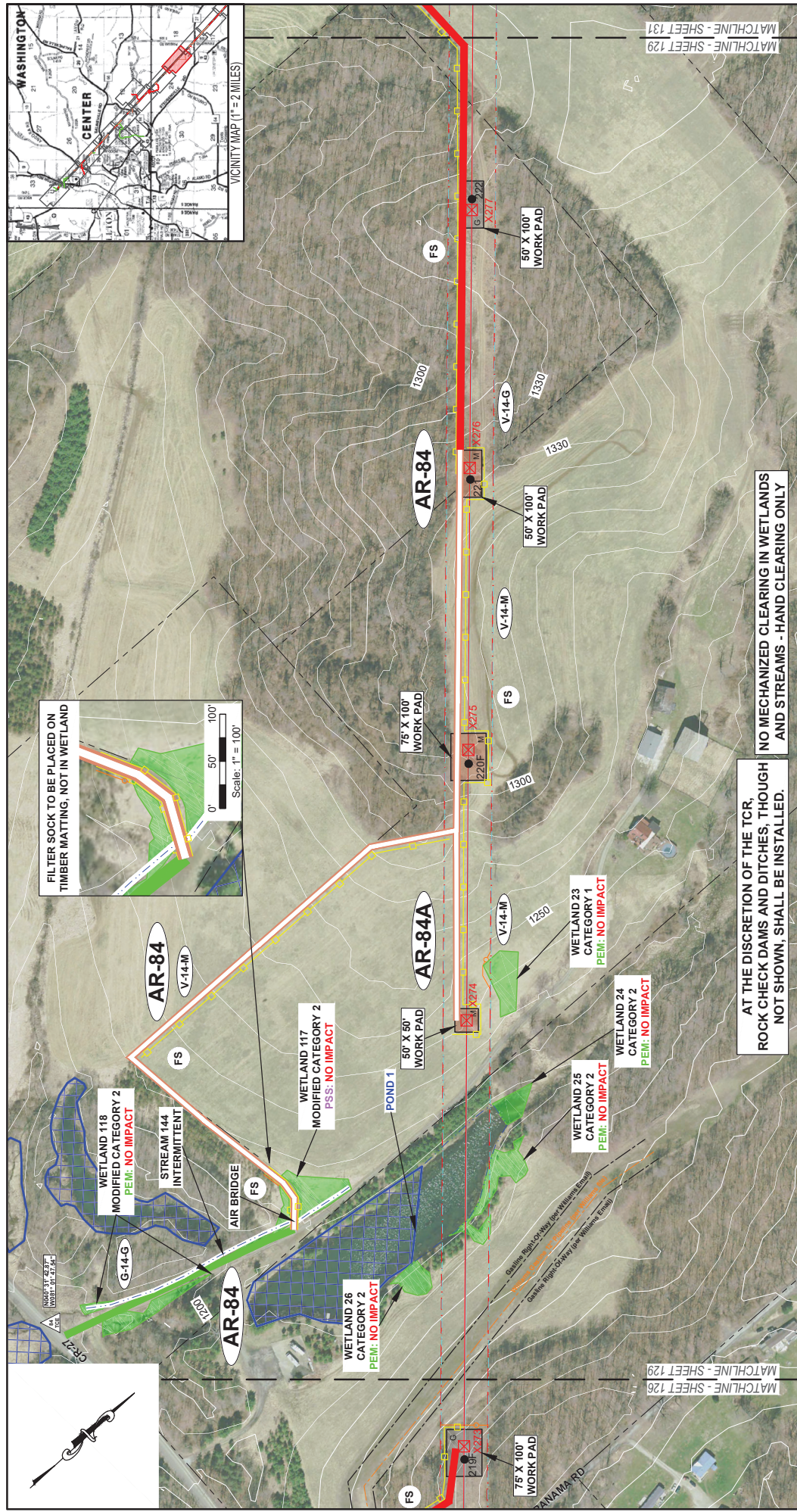
LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION
- 36
- 52

Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio.

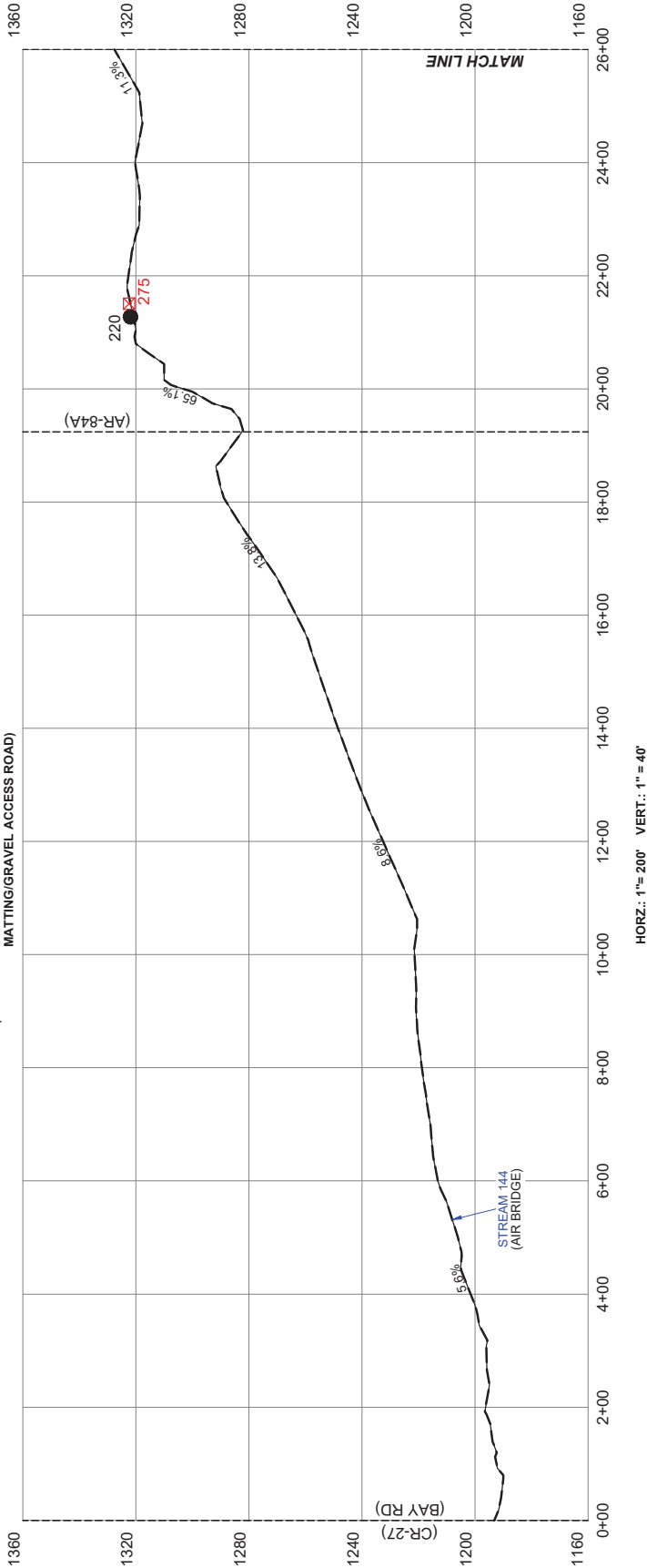
Bair, Goodie and Associates, Inc.
153 North Broadway Street
New Philadelphia, Ohio 44663
E: jpell@bairgoodie.com
P: 330.343.3499



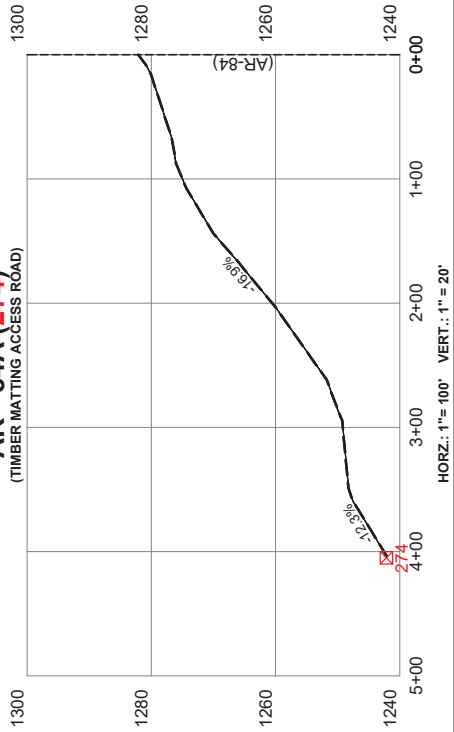


LEGEND  11  15     		EXISTING TRANSMISSION LINE / STRUCTURE PROPOSED TRANSMISSION LINE / STRUCTURE EXISTING AEP RIGHT-OF-WAY PROPOSED AEP RIGHT-OF-WAY EXISTING ACCESS ROAD MINIMUM IMPROVEMENTS (REQUIRED) EXISTING ACCESS ROAD MINIMUM IMPROVEMENTS (REQUIRED) PROPOSED GRAVEL ACCESS ROAD PROPOSED GRAVEL ACCESS ROAD PROPOSED TIMBER MATTING ACCESS ROAD ORANGE BARRIER FENCE YELLOW BARRIER FENCE PROPERTY LINE		--- --- 1020 ---     		COUNTY/TOWNSHIP LINES EXISTING CONTOUR PROPOSED CONTOUR DELINEATED STREAM DELINEATED WETLAND NW1 WETLAND MATTED PAD FEIN FLOODPLAIN ZONE A EXISTING CULVERT EXISTING VALVE FILTER SOCK LENGTH		TEMPORARY CONSTRUCTION ENTRANCE   		ACCESS ROAD NUMBERING  		ACCESS ROAD LABELING CONSTRUCTED WOOD  EXISTING MATERIAL INFILLED MATERIAL P = PAVED G = GRAVEL M = TIMBER MATTING V = VEGETATION		Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio. Baig, Gonde and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E.jaiba@baigonde.com P: 330.343.3499		File: TS130 Date: 08/27/2021 Sheet: 129 of 154 GABLE-CARROLLTON 138KV LINE PLAN VIEWS FOR PROPOSED STRUCTURES 235-232 PLAN VIEWS FOR EXISTING STRUCTURES 274-277			
--	--	--	--	--	--	---	--	---	--	--	--	--	--	--	--	--	--	--	--

AR - 84 (220-224, 274-279)
(EXISTING ACCESS ROAD - NO IMPROVEMENTS TO TIMBER
MATTING/GRAVEL ACCESS ROAD)



AR - 84A (274)
(TIMBER MATTING ACCESS ROAD)



LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION
- 36
- 52

AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

File: TS130 | Date: 08/27/2021 | Sheet: 130 of 154

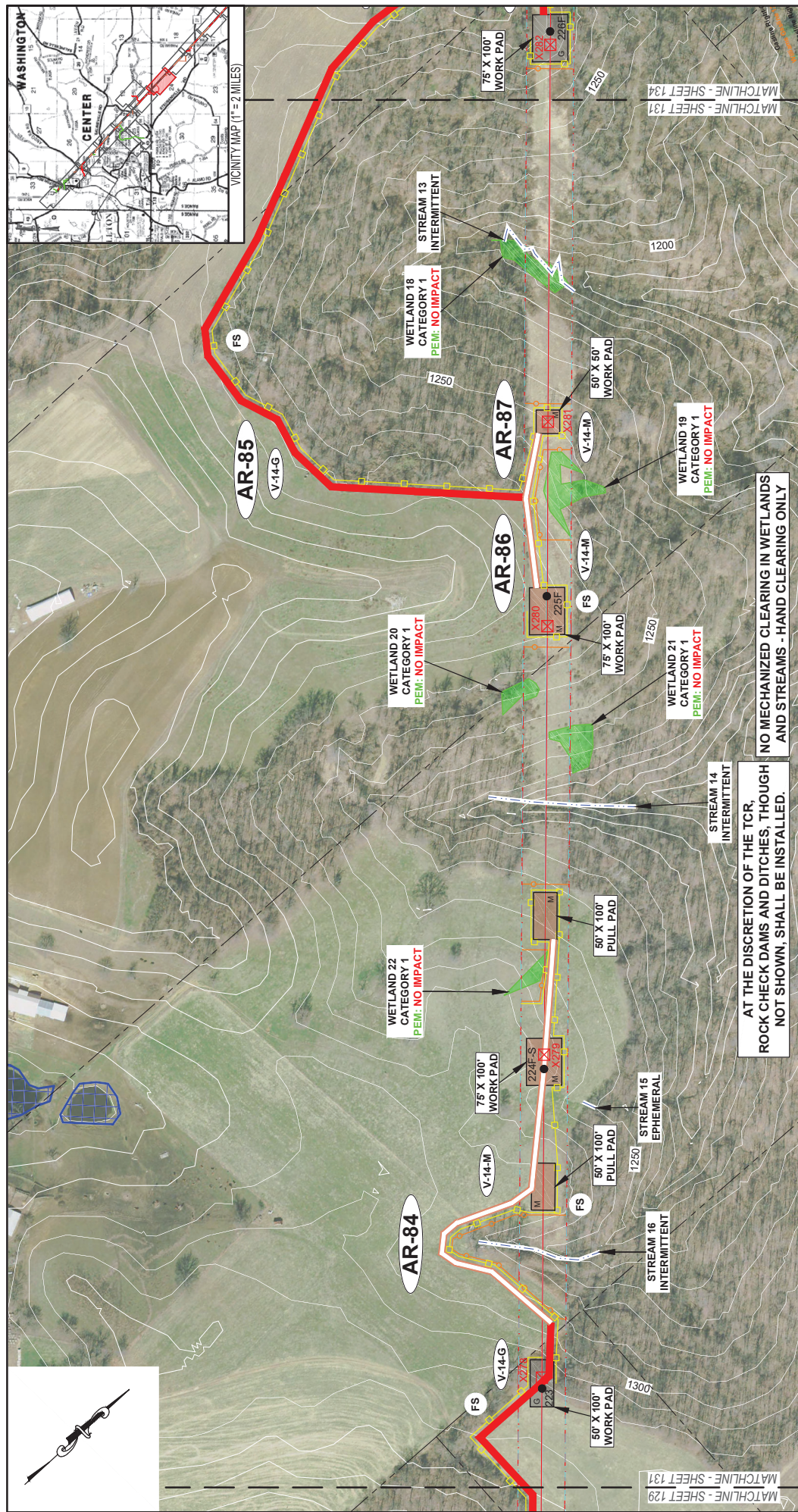
GABLE-CARROLLTON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURE 220
PROFILE VIEWS FOR EXISTING STRUCTURES 24, 25

BAIR
GOODIE

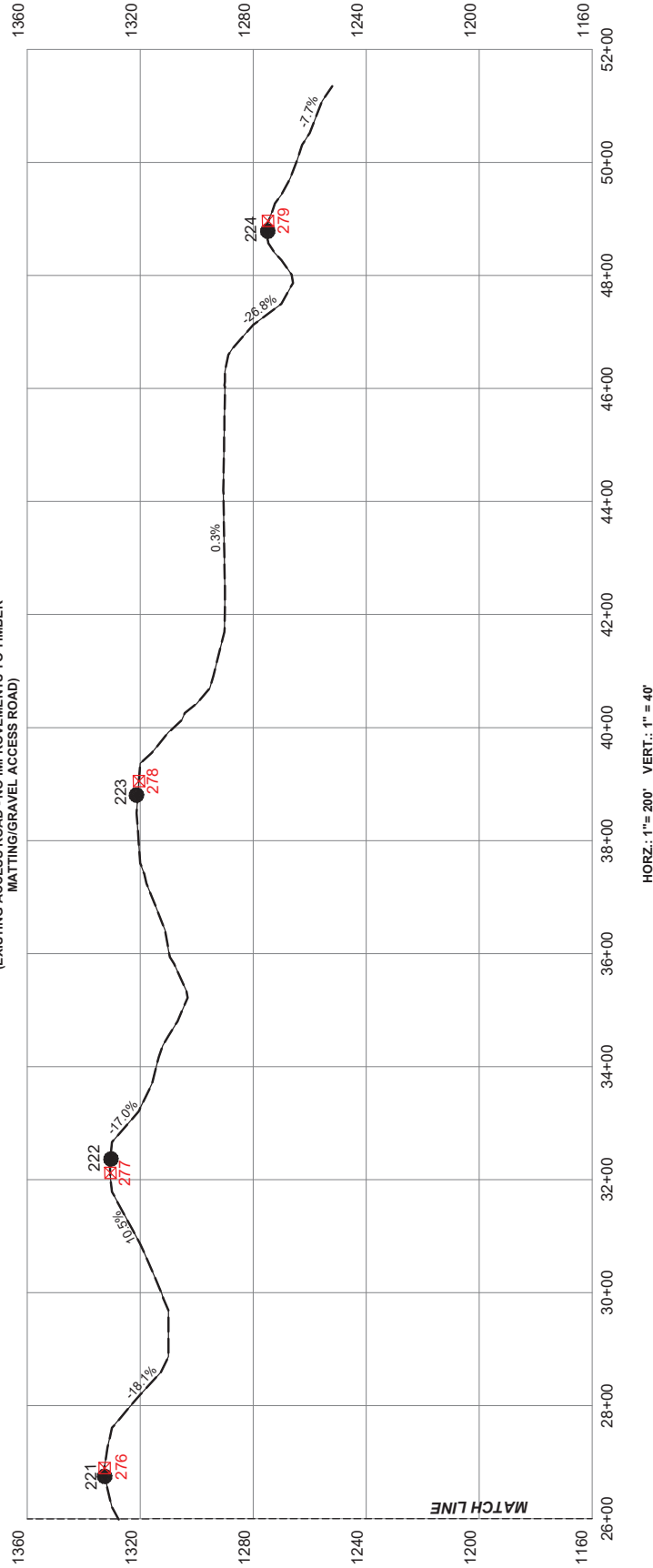
AMERICAN
ELECTRIC
POWER

Located in the Counties of
Carroll, Harrison,
and Jefferson,
and State of Ohio.

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AR - (220-224, 274-279) - 84
(EXISTING ACCESS ROAD - NO IMPROVEMENTS TO TIMBER
MATTING/GRAVEL ACCESS ROAD)



LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION
- 36
- 52

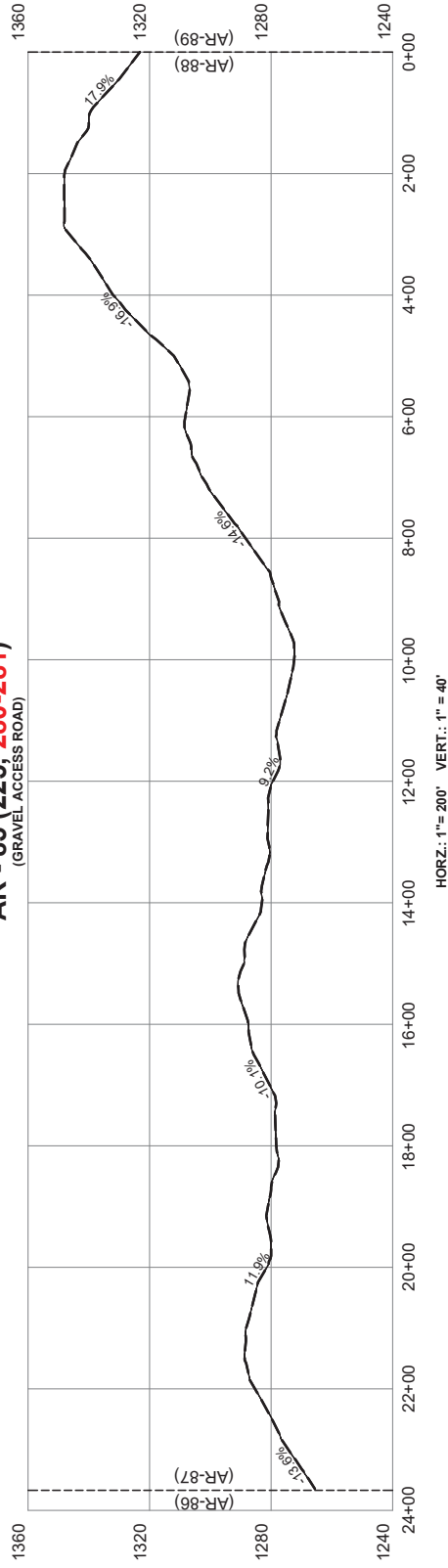
AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

File: TS130 Date: 08/27/2021 Sheet: 132 of 154	
GABLE-CARROLLTON 138KV LINE PROFILE VIEWS FOR PROPOSED STRUCTURES 221-224 PROFILE VIEWS FOR EXISTING STRUCTURES 274-279	
Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio.	BAIR GOODIE
Bair, Goodie and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jpbair@baigoodie.com P: 330.343.3499	

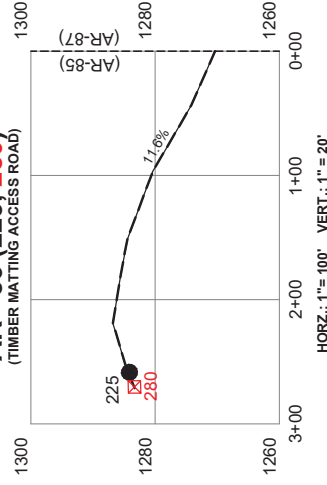


AR - 85 (225, 280-281) (GRAVEL ACCESS ROAD)

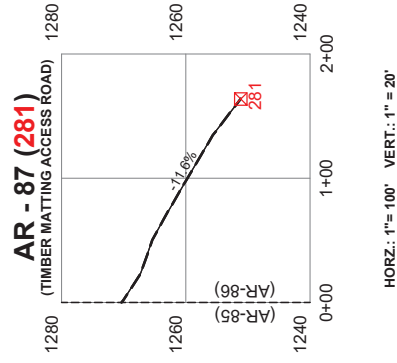


HORZ.: 1"= 200' VERT.: 1" = 40'

AR - 86 (225, 280) (TIMBER MATTING ACCESS ROAD)



HORZ.: 1"= 100' VERT.: 1" = 20'



HORZ.: 1"= 100' VERT.: 1" = 20'

AR - 84 (220-224, 274-279)

SEE SHEET 130, 132 OF 154

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION
- 36
- 52

AIR BRIDGES TO BE INSTALLED AT ALL STREAM CROSSINGS

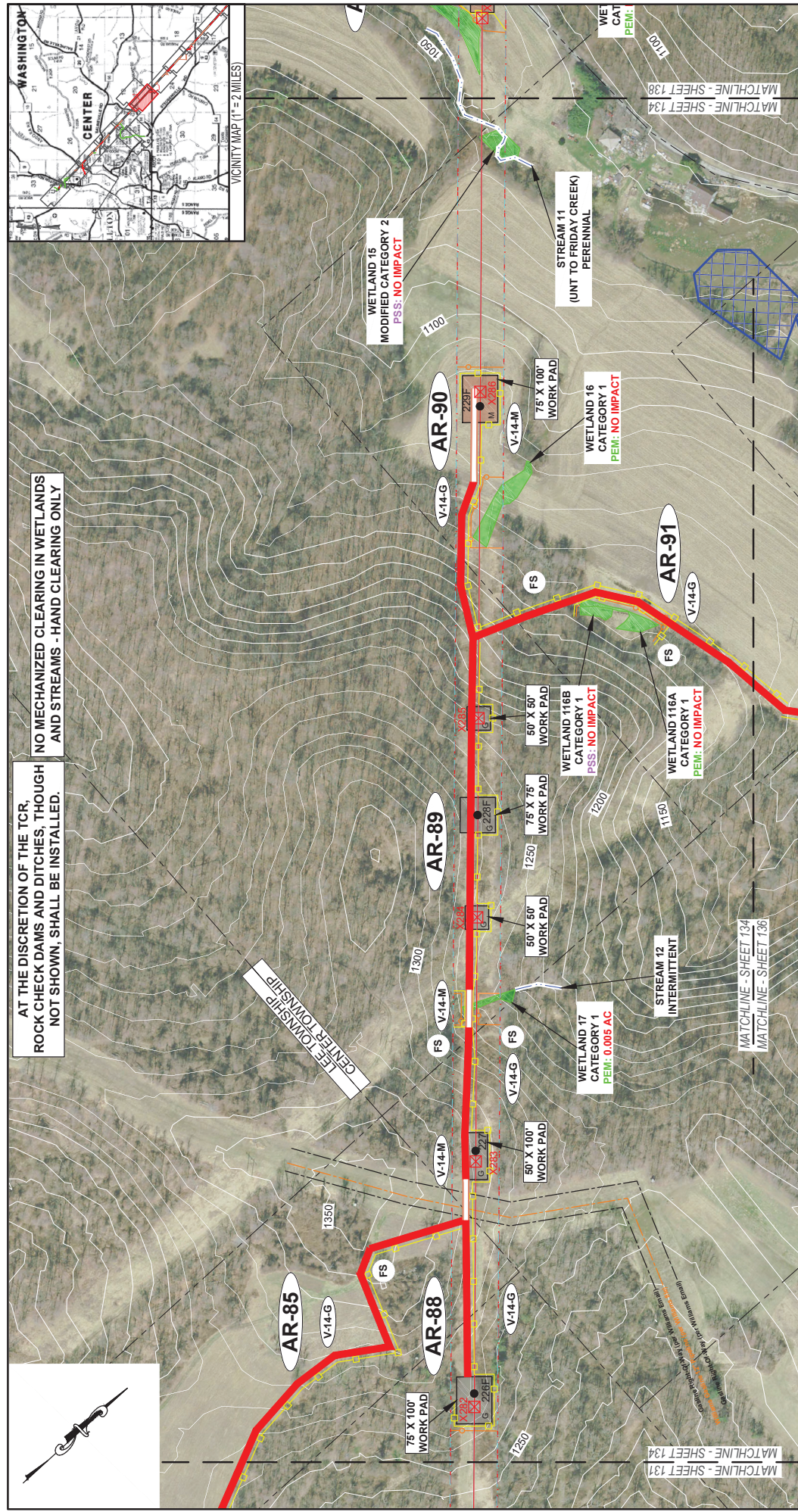
AT THE DISCRETION OF THE TCR, ROCK CHECK DAMS AND DITCHES, THOUGH NOT SHOWN, SHALL BE INSTALLED.

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Baier, Goodie and Associates, Inc., 153 North Broadway Street, New Philadelphia, Ohio 44663
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GOODIE

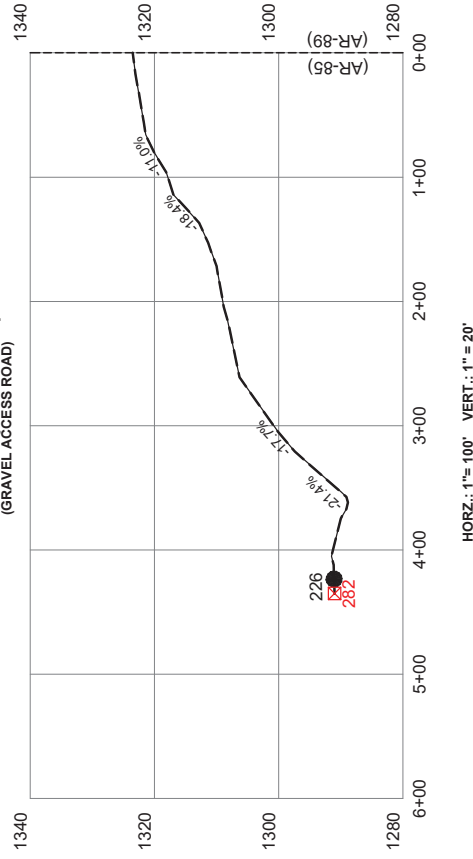
AMERICAN
ELECTRIC
POWER

File: TS130 | Date: 08/27/2021 | Sheet: 133 of 154
GABLE-CARROLLTON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURE 225
PROFILE VIEWS FOR EXISTING STRUCTURES 280-281



LEGEND	EXISTING TRANSMISSION LINE / STRUCTURE PROPOSED TRANSMISSION LINE / STRUCTURE EXISTING AEP RIGHT-OF-WAY PROPOSED AEP RIGHT-OF-WAY EXISTING ACCESS ROAD MINIMUM IMPROVEMENTS REQUIRED) PROPOSED GRVEL ACCESS ROAD PROPOSED TIMBER MATTING ACCESS ROAD ORANGE BARRIER FENCE PROPERTY LINE	--- --1020-- --- --- --- 	COUNTY/TOWNSHIP LINES EXISTING CONTOUR PROPOSED STREAM DELINEATED WETLAND NWI WETLAND MATTED PAD FEIN FLOODPLAIN ZONE A EXISTING CULVERT FILTER SOCK LENGTH	TEMPORARY CONSTRUCTION ENTRANCE 	ACCESS ROAD NUMBERING ACCESS ROAD NUMBER ACCESS ROAD NUMBER ROAD NUMBER	ACCESS ROAD LABELING CONSTRUCTED MESH EXISTING MATERIAL INFILLED MATERIAL P = PAVED G = GRAVEL M = TIMBER MATTING V = VEGETATION	Bearings are oriented to the Ohio State Plane Coordinate System (NAD 83).	0' 100' 200' Scale: 1" = 200'	Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio. Baig, Gonde and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E.jalitz@baigonde.com P: 330.343.9499	File: TS130 Date: 08/27/2021 Sheet: 134 of 154 GABLE-CARROLLTON 138KV LINE PLAN VIEWS FOR PROPOSED STRUCTURES 285-229 PLAN VIEWS FOR EXISTING STRUCTURES 382-386	 BAIG GONDE
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SEE SHEET 133 of 154



The profile view shows the proposed road alignment with the following data points and features:

- Vertical Curve Data:**
 - AR-85 (12+00) to AR-88 (12+00): -31.0%
 - AR-88 (12+00) to AR-91 (12+00): -14.3%
 - AR-91 (12+00) to AR-90 (12+00): -35.4%
- Stationing and Elevation:**
 - Station 12+00: Elevation 1320.00 (AR-85)
 - Station 12+00: Elevation 1320.00 (AR-88)
 - Station 12+00: Elevation 1320.00 (AR-91)
 - Station 12+00: Elevation 1320.00 (AR-90)
- Proposed Road Alignment:**
 - Station 12+00: Elevation 1320.00 (AR-85)
 - Station 12+00: Elevation 1320.00 (AR-88)
 - Station 12+00: Elevation 1320.00 (AR-91)
 - Station 12+00: Elevation 1320.00 (AR-90)

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

52

Bair, Goodie and Associates, Inc.
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P: 330.343.3499

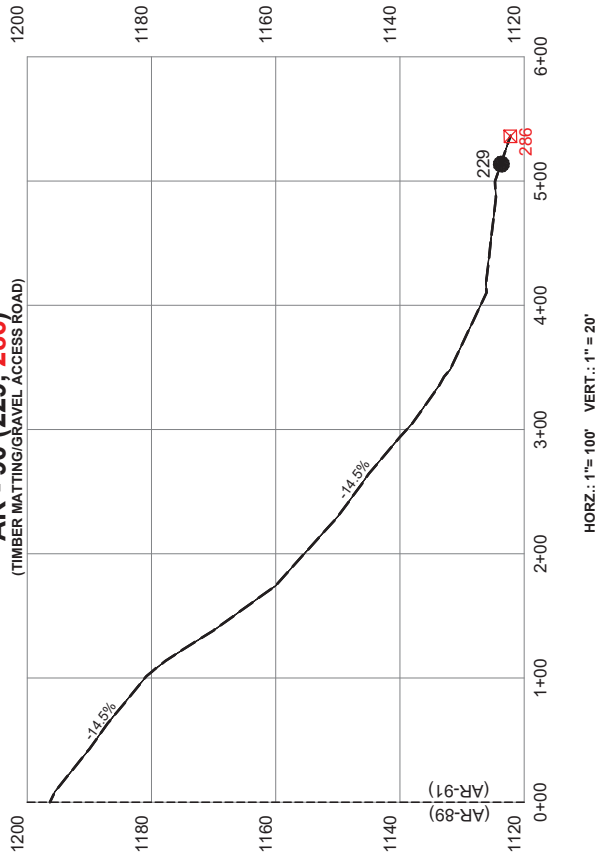
EXISTING GRADE	PROPOSED GRADE	PROPOSED STRUCTURE LOCATION	EXISTING STRUCTURE LOCATION
----------------	----------------	-----------------------------	-----------------------------

GABLE-CARROLLTON 138kV LINE
 PROFILE VIEWS FOR PROPOSED STRUCTURES 226-228
 PROFILE VIEWS FOR EXISTING STRUCTURES 282,286

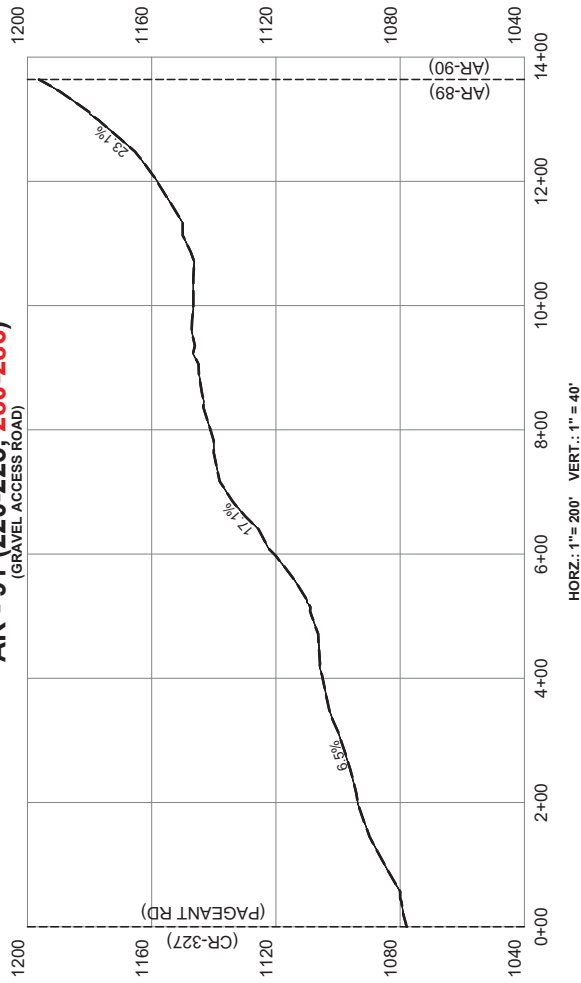


BAR

AR - 90 (229, 286)
(TIMBER MATTING/GRAVEL ACCESS ROAD)



AR - 91 (220-225, 280-286)
(GRAVEL ACCESS ROAD)



AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

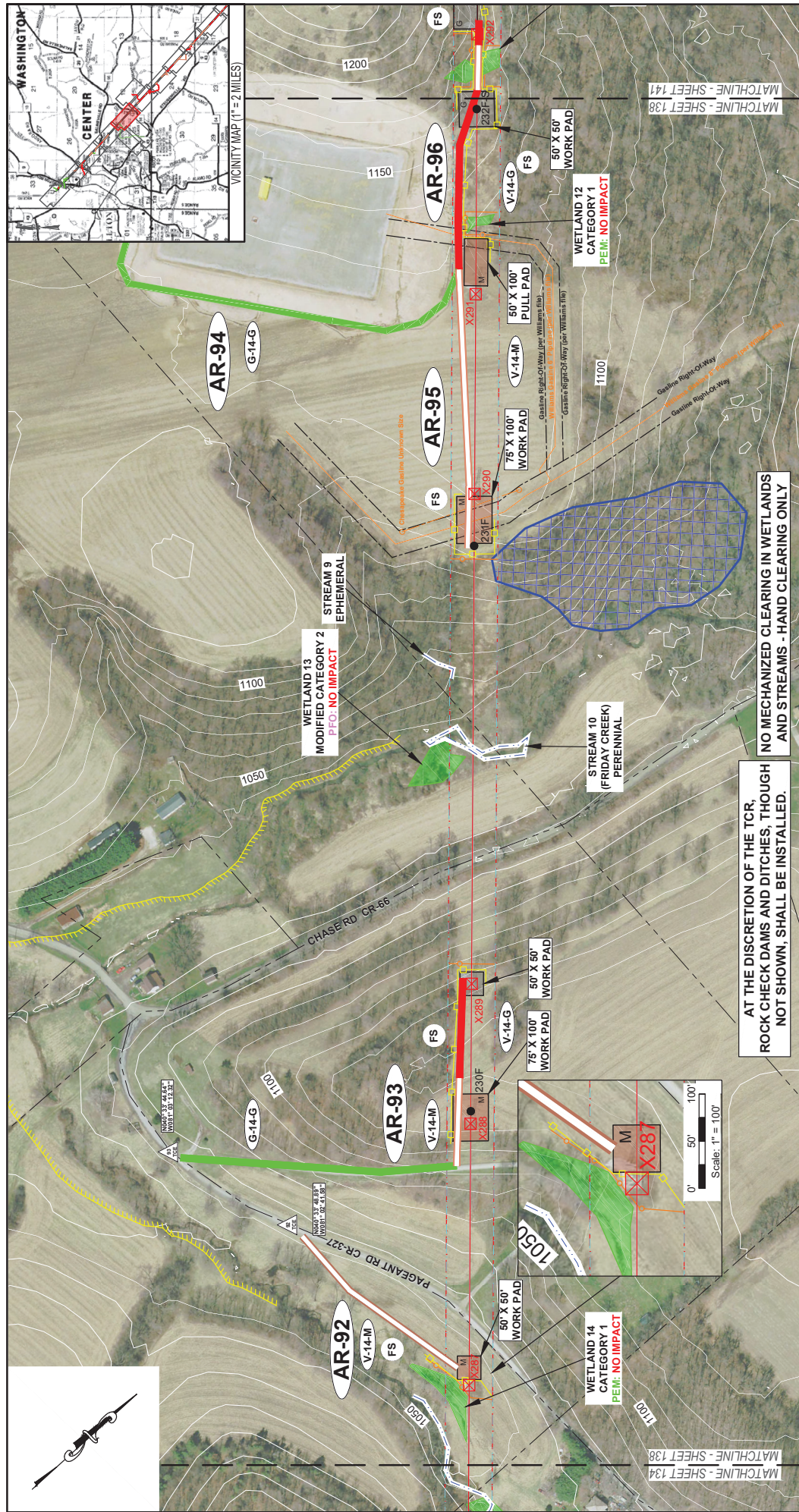
AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

LEGEND
--- EXISTING GRADE
--- PROPOSED GRADE
● 36
■ 52

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and Jefferson,
and State of Ohio.
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153 North Broadway Street
New Philadelphia, Ohio 44663
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P: 330.343.3499



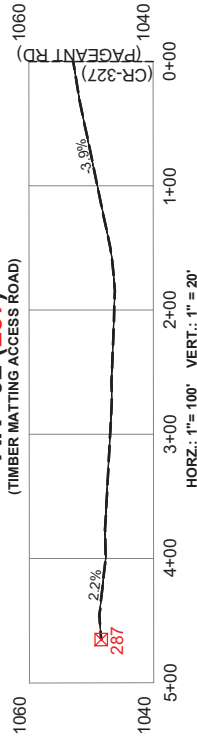
File: TS130 | Date: 08/27/2021 | Sheet: 137 of 154
GABLE-CARROLL TON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURE 229
PROFILE VIEWS FOR EXISTING STRUCTURE 286



LEGEND  ✕11  15      		EXISTING TRANSMISSION LINE / STRUCTURE PROPOSED TRANSMISSION LINE / STRUCTURE EXISTING AEP RIGHT-OF-WAY PROPOSED AEP RIGHT-OF-WAY EXISTING ACCESS ROAD (IMPROVEMENTS REQUIRED) EXISTING ACCESS ROAD (MINIMUM IMPROVEMENTS REQUIRED) PROPOSED GRAVEL ACCESS ROAD PROPOSED ACCESS ROAD ORANGE BARRIER FENCE PROPERTY LINE	COUNTY/TOWNSHIP LINES EXISTING CONTOUR DELINEATED STREAM DELINEATED WETLAND WETLAND NW1 WETLAND FEMA FLOODPLAIN ZONE A EXISTING CULVERT FILTER SOCK LENGTH	TEMPORARY CONSTRUCTION ENTRANCE  GRAVEL PAD  MATTED PAD	ACCESS ROAD NUMBERING  AR-1  AR-2	ACCESS ROAD LABELING  CONTRIBUTED INCH  14-V  DIRT/GRAVEL MATERIAL  REFILLED MATERIAL  P=PAVED  G=GRAVEL  M=TIMBER MATTING  V=VEGETATION	Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio. Blair Goods and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jgalt@blairgoods.com P: 330.343.3490	File: TS130 Date: 08/27/2021 Sheet: 138 of 154 GABLE-CARROLLTON 138KV LINE PLAN VIEWS FOR PROPOSED STRUCTURES 250-232 PLAN VIEWS FOR EXISTING STRUCTURES 287-291
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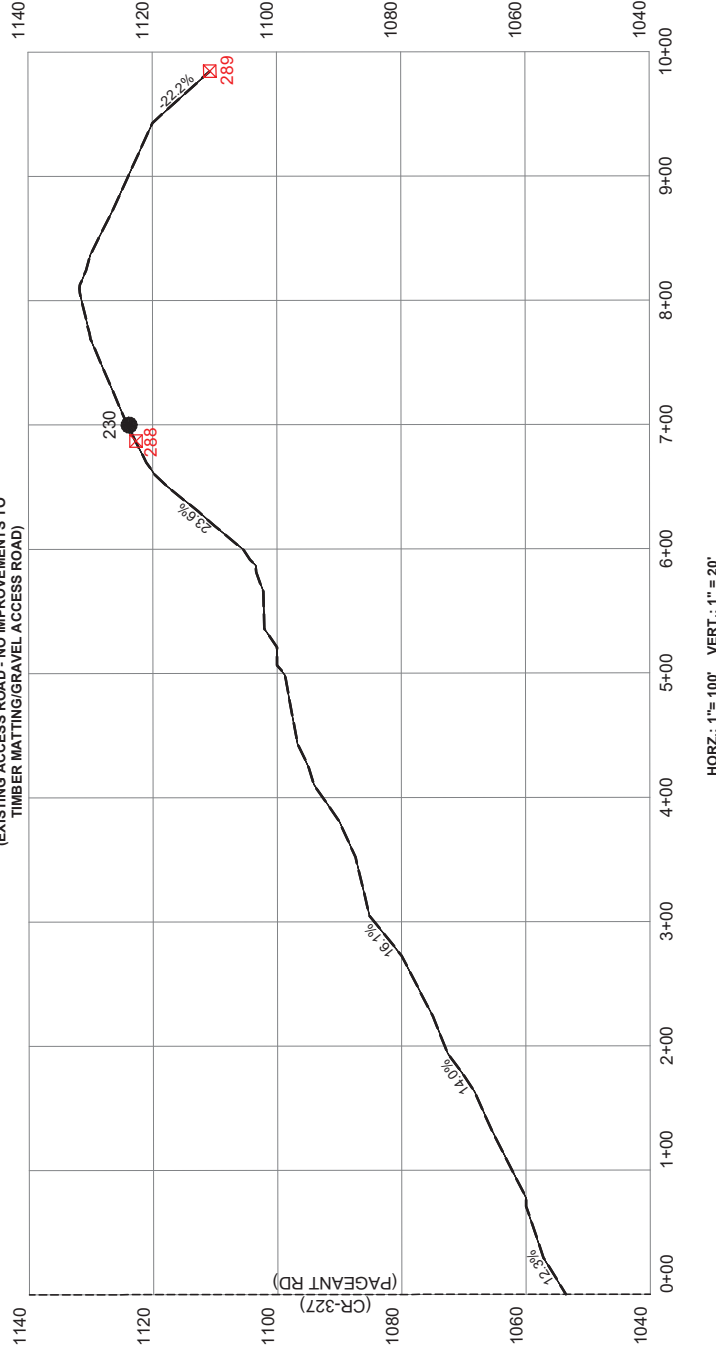
AR - 92 (287)

(TIMBER MATTING ACCESS ROAD)



AR - 93 (230, 288-289)

(EXISTING ACCESS ROAD - NO IMPROVEMENTS TO
TIMBER MATTING/GRAVEL ACCESS ROAD)



HORZ.: 1"= 100' VERT.: 1"= 20'

LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- ✕ EXISTING STRUCTURE LOCATION

36

52

AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

File: TS130 | Date: 08/27/2021 | Sheet: 139 of 154

GABLE-CARROLL TON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURE 230
PROFILE VIEWS FOR EXISTING STRUCTURES 287, 288

Located in the Counties of
Carroll, Harrison,
and Jefferson,
and State of Ohio.

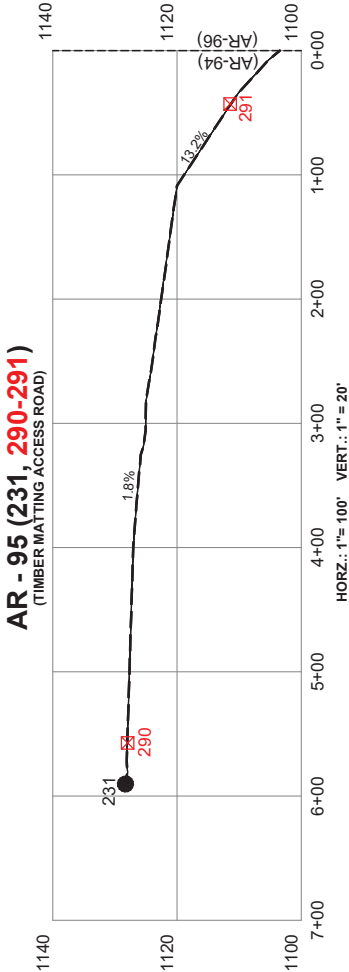
Bair, Goodie and Associates, Inc.
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E: jpbair@baigoodie.com
P: 330.343.3499

BAIR
GOODIE

AMERICAN
ELECTRIC
POWER

AR - 94 (231-232, 290-292)
(EXISTING ACCESS ROAD - NO IMPROVEMENTS)

UTILIZE EXISTING WELL PAD
ACCESS ROAD(S)

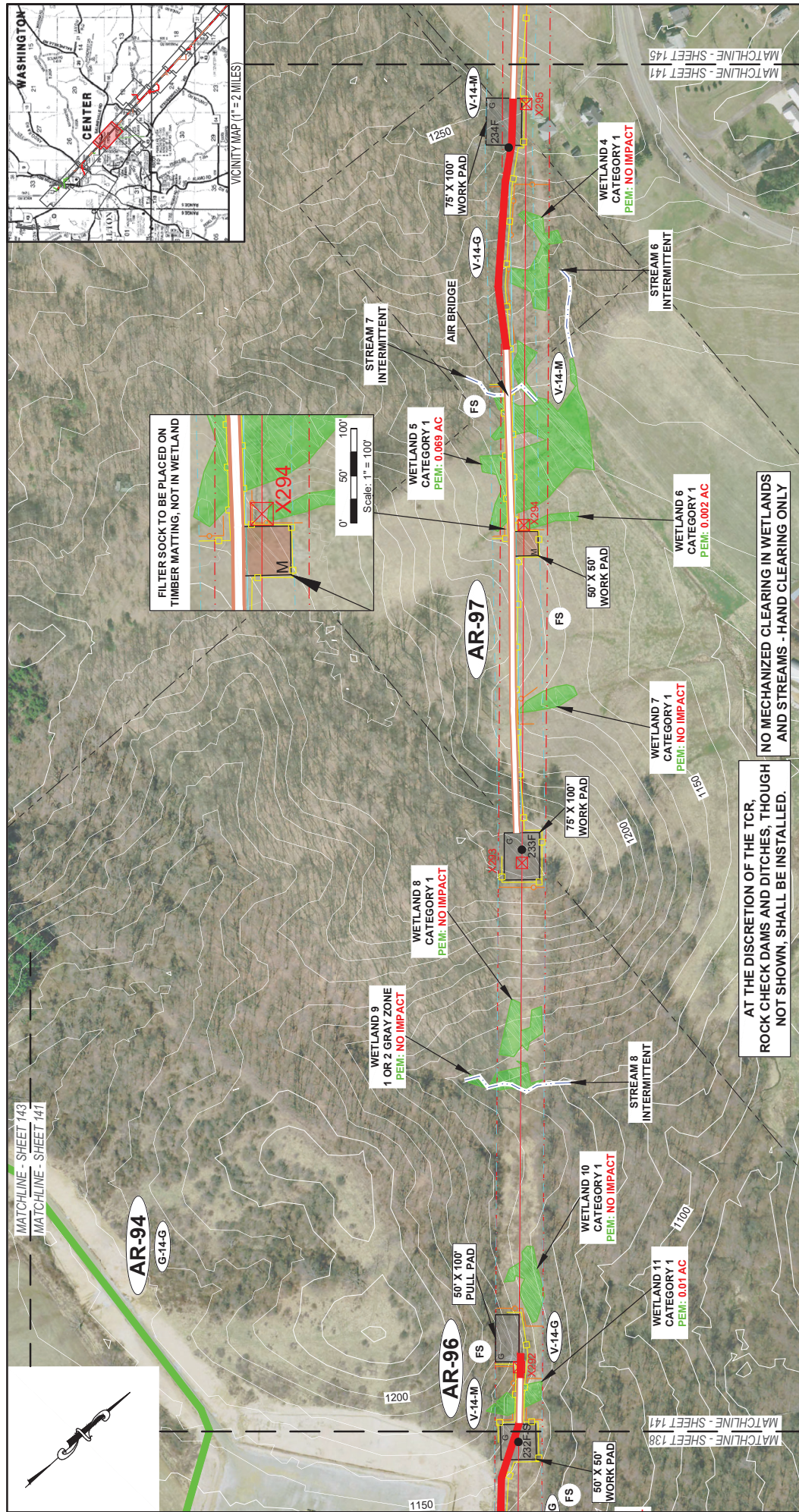


AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

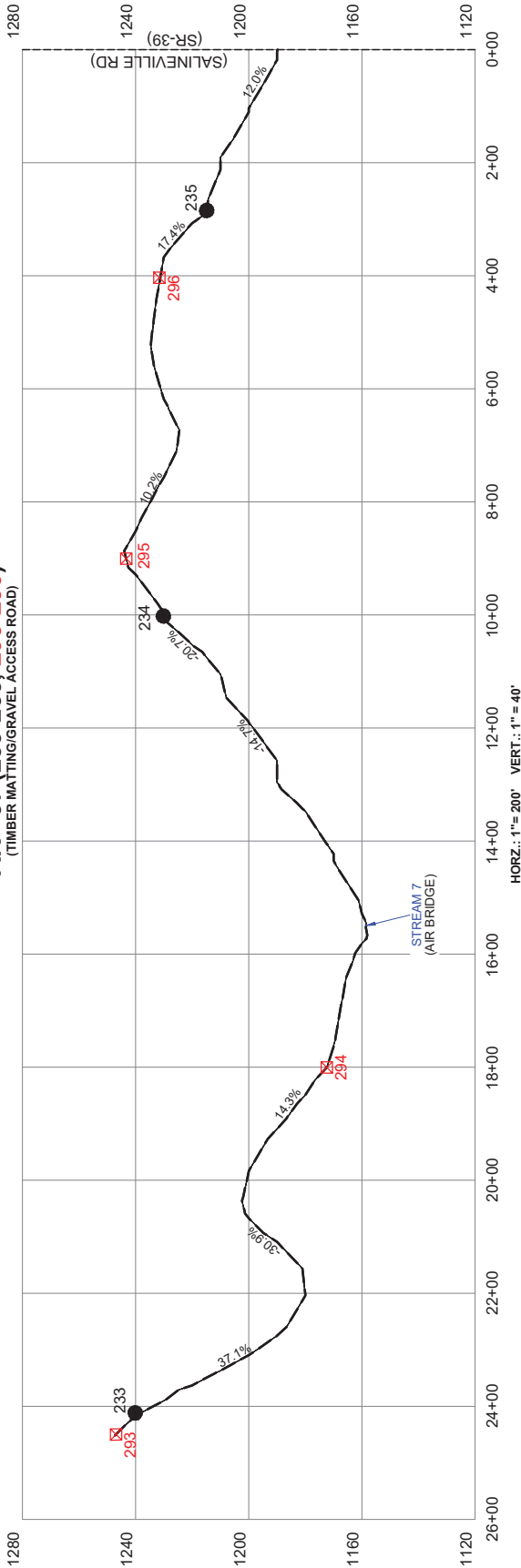
LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION

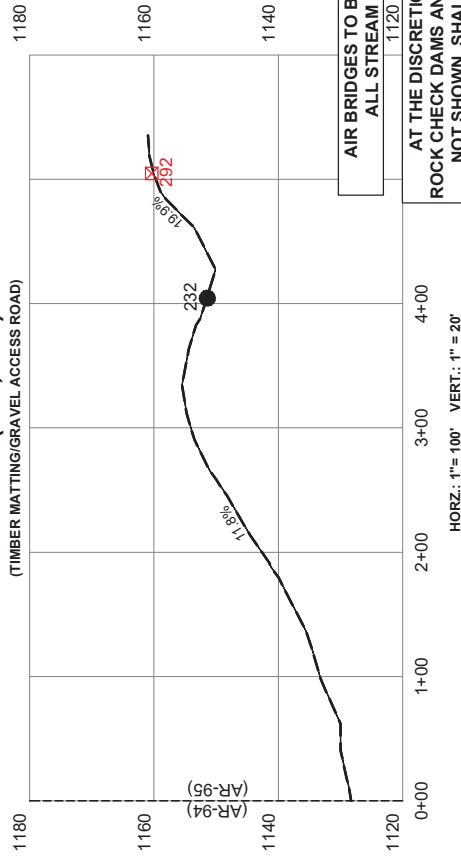


LEGEND  ✕11  15    		EXISTING TRANSMISSION LINE / STRUCTURE PROPOSED TRANSMISSION LINE / STRUCTURE EXISTING AEP RIGHT-OF-WAY PROPOSED AEP RIGHT-OF-WAY EXISTING ACCESS ROAD MINIMUM IMPROVEMENTS REQUIRED PROPOSED GRAVEL ACCESS ROAD EXISTING ACCESS ROAD MINIMUM IMPROVEMENTS REQUIRED ORANGE BARRIER FENCE PROPERTY LINE		COUNTY/TOWNSHIP LINES EXISTING CONTOUR DELINEATED STREAM DELINEATED WETLAND WETLAND FEMIA FLOODPLAIN ZONE A NW1 FLOODPLAIN EXISTING CULVERT FILTER SOCK LENGTH		TEMPORARY CONSTRUCTION ENTRANCE GRAVEL PAD MATTED PAD		ACCESS ROAD NUMBERING 		ACCESS ROAD LABELING CONTRIBUTED INCH 		Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio. Bairst Goolsby and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jbairst@bairstgoolsby.com P: 330.343.3499		File: TS130 Date: 08/27/2021 Sheet: 141 of 154 GABLE-CARROLLTON 138KV LINE PLAN VIEWS FOR PROPOSED STRUCTURES 232-234 PLAN VIEWS FOR EXISTING STRUCTURES 232-236	
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AR - 97 (233-235, 293-296) (TIMBER MATTING/GRAVEL ACCESS ROAD)



AR - 96 (232, 292) (TIMBER MATTING/GRAVEL ACCESS ROAD)



AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

LEGEND

EXISTING GRADE
PROPOSED GRADE
LOCATION
EXISTING STRUCTURE
LOCATION

36 52

Located in the Counties of
Carroll, Harrison,
and Jefferson,
and State of Ohio.

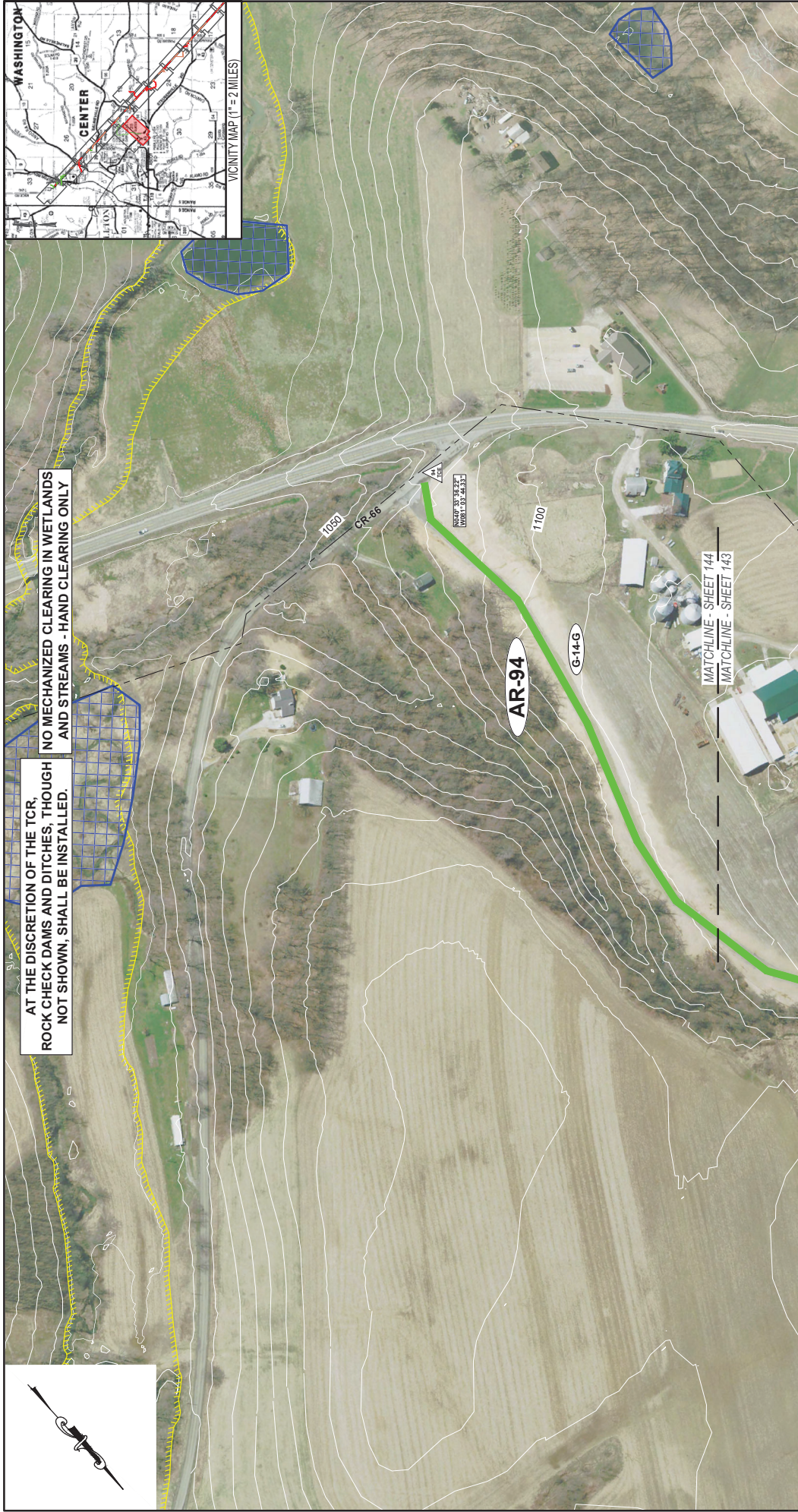
Bair, Goodie and Associates, Inc.
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New Philadelphia, Ohio 44663
E: jpell@baigoodie.com
P: 330.343.3499

BAIR
GOODIE

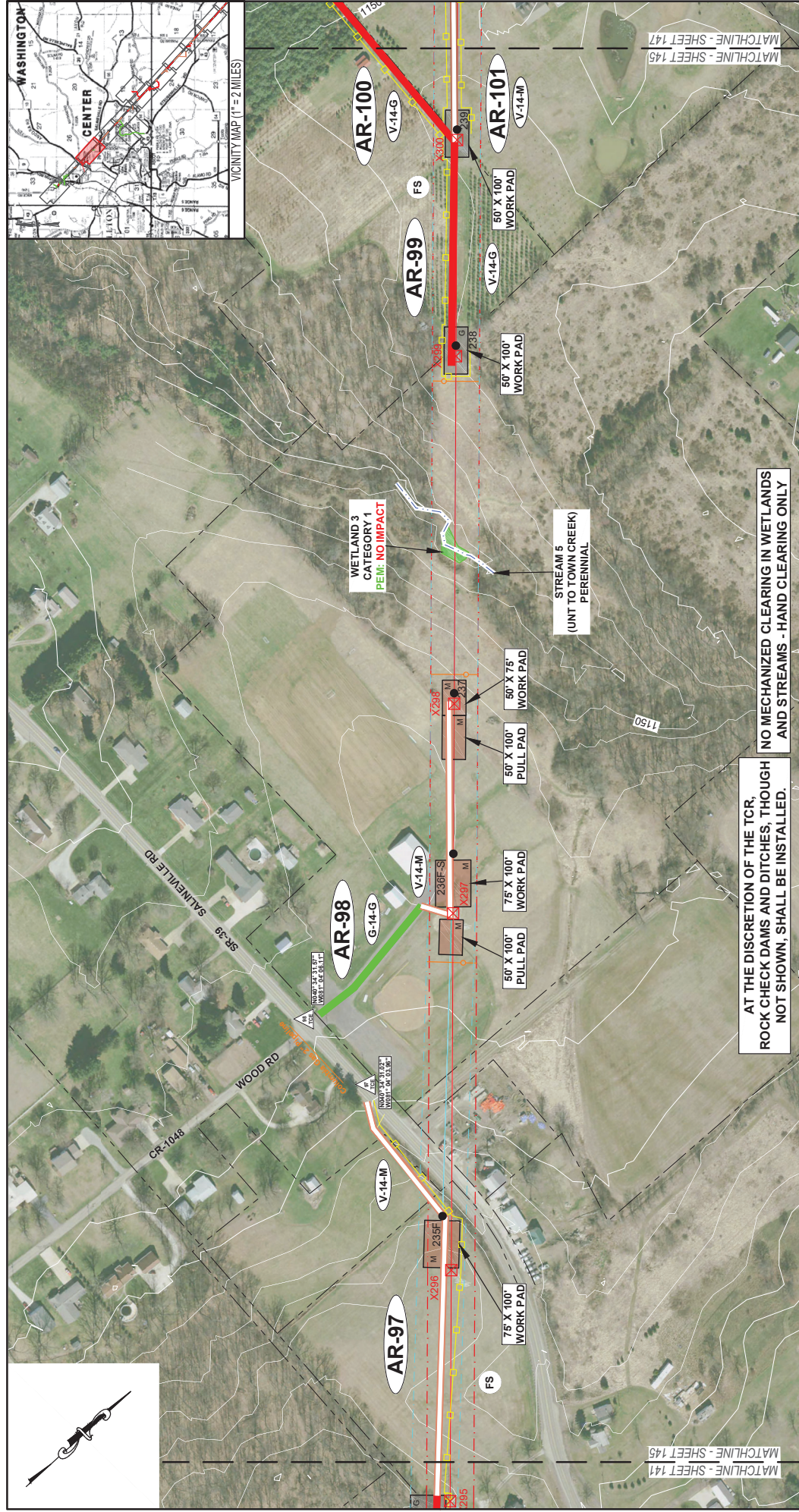


File: TS130 | Date: 08/27/2021 | Sheet: 142 of 154

GABLE-CARROLLTON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURES 232, 235
PROFILE VIEWS FOR EXISTING STRUCTURES 292, 296



LEGEND	
COUNTY/TOWNSHIP LINES	
TEMPORARY CONSTRUCTION ENTRANCE	
ACCESS ROAD NUMBERING	
ACCESS ROAD LABELING	
Scale	0' 100' 200' Scale: 1" = 200'
Located in the	Counties of Carroll, Harrison, and Jefferson, and State of Ohio.
File: TS130 Date: 08/27/2021 Sheet: 144 of 154	GABLE-CARROLLTON 138KV LINE PLAN VIEWS FOR PROPOSED STRUCTURES PLAN VIEWS FOR EXISTING STRUCTURES
BAIR	AMERICAN ELECTRIC POWER



File: TS130 | Date: 08/27/2021 | Sheet: 145 of 154

Located in the
Counties of Carroll,
Harrison, and Jefferson,
and State of Ohio.

Bearings are oriented to the Ohio State Plane Coordinate System (NAD 83).

ACCESS ROAD LABELING	ACCESS ROAD NUMBERING
CONSTRUCTED WITH	AR - 1
V-14-V	

	TEMPORARY CONSTRUCTION ENTRANCE
	GRAVEL PAD

COUNTY/TOWNSHIP LINES
EXISTING CONTOUR
DELINEATED STREAM
DELINEATED WETLAND

LEGEND

	EXISTING TRANSMISSION LINE / STRUCTURE
	PROPOSED TRANSMISSION LINE / STRUCTURE
	EXISTING AEP RIGHT-OF-WAY
	PROPOSED AEP RIGHT-OF-WAY

DAIR SCORE
AMERICAN ELECTRIC POWER

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E: jpeltz@bairgoodie.com
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0' 100' 200'

Scale: 1" = 200'

P = PAVED
D = DIRT
G = GRAVEL
M = TIMBER MATTING
V = VEGETATION

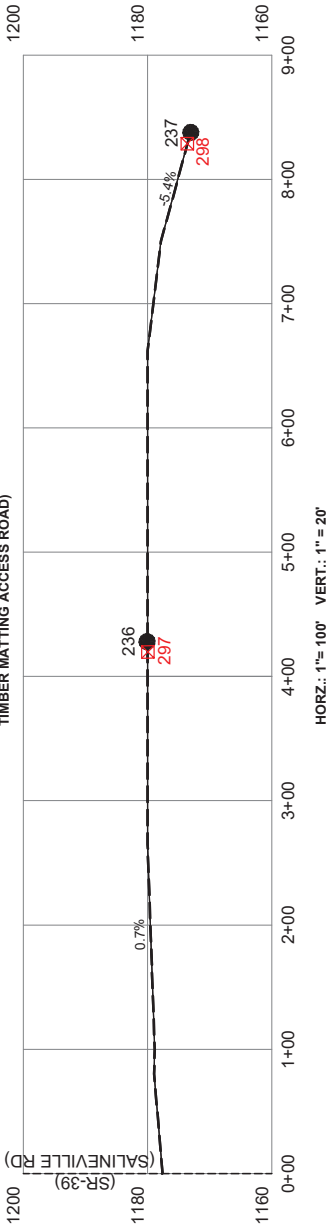
M
MATTED PAD

 NWI WETLAND
 FEMA FLOODPLAIN ZONE A
 EXISTING CULVERT
 FILTER SOCK LENGTH

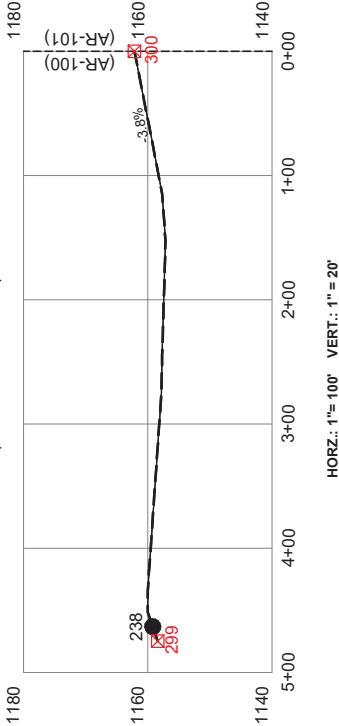
EXISTING ACCESS ROAD (MINIMUM IMPROVEMENTS REQUIRED)
PROPOSED GRAVEL ACCESS ROAD
PROPOSED TIMBER MATTING ACCESS ROAD
ORANGE BARRIER FENCE
FILTER SOCK
PROPERTY LINE

AR - 97 (233-235, 293-296)
SEE SHEET 142 of 154

AR - 98 (236-237, 297-298)
(EXISTING ACCESS ROAD - NO IMPROVEMENTS TO
TIMBER MATTING ACCESS ROAD)



AR - 99 (238, 299-300)
(GRAVEL ACCESS ROAD)



LEGEND

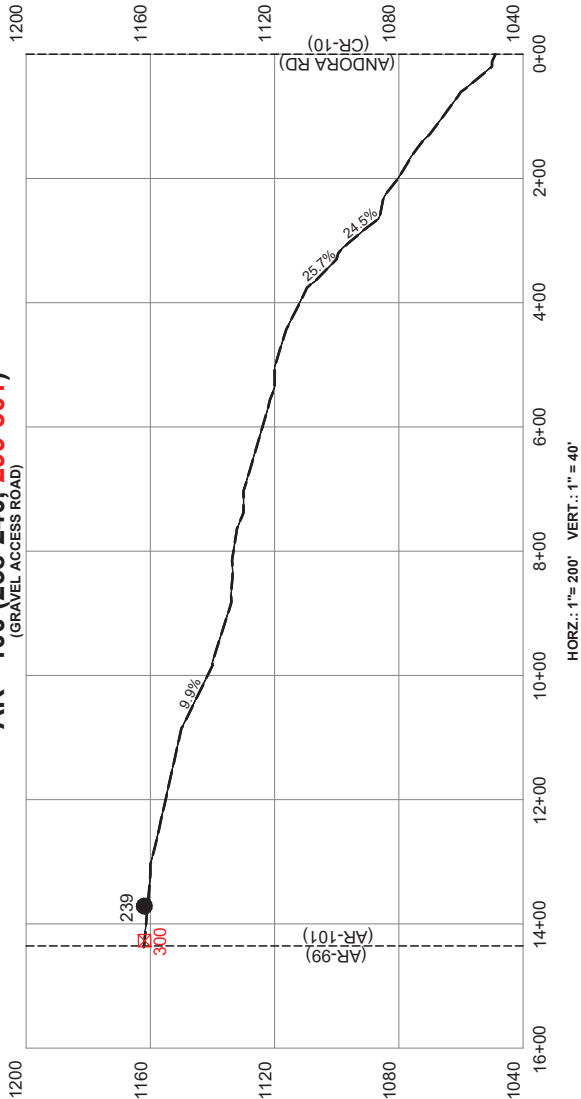
- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION
- 36
- 52

AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

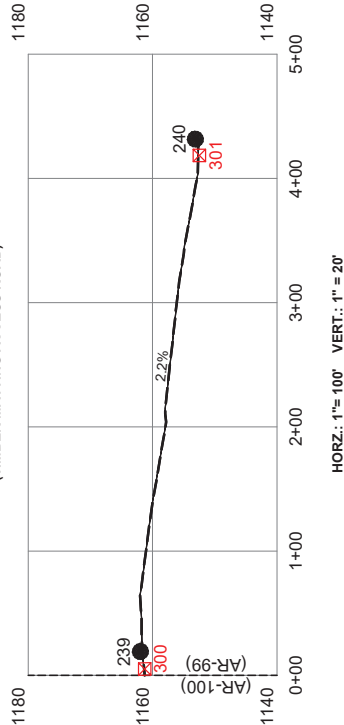
AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

File: TS130 Date: 08/27/2021 Sheet: 146 of 154	Located in the Counties of Carroll, Harrison, and Jefferson, and State of Ohio.	GABLE-CARROLL TON 138KV LINE PROFILE VIEWS FOR PROPOSED STRUCTURES 236-238 PROFILE VIEWS FOR EXISTING STRUCTURES 297-300
	Bair, Goodie and Associates, Inc. 153 North Broadway Street New Philadelphia, Ohio 44663 E: jpell@baigoodie.com P: 330.343.3499	BAIR GOODIE AMERICAN ELECTRIC POWER

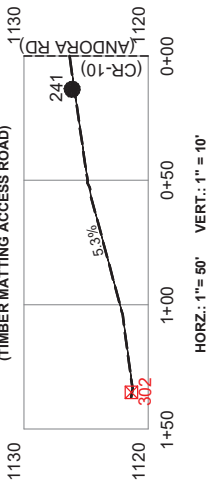
AR - 100 (238-240, 299-301)
(GRAVEL ACCESS ROAD)



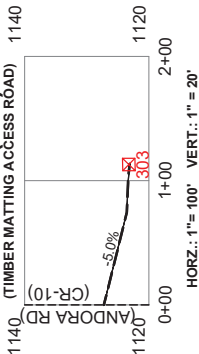
AR - 101 (239-240, 301-302)
(TIMBER MATTING ACCESS ROAD)



AR - 102 (241, 302)
(TIMBER MATTING ACCESS ROAD)



AR - 103 (303)
(TIMBER MATTING ACCESS ROAD)



LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION

36 52

AIR BRIDGES TO BE INSTALLED AT
ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR,
ROCK CHECK DAMS AND DITCHES, THOUGH
NOT SHOWN, SHALL BE INSTALLED.

File: TS130 | Date: 08/27/2021 | Sheet: 48 of 154

GABLE-CARROLL TON 138KV LINE
PROFILE VIEWS FOR PROPOSED STRUCTURES 238-241
PROFILE VIEWS FOR EXISTING STRUCTURES 300-303

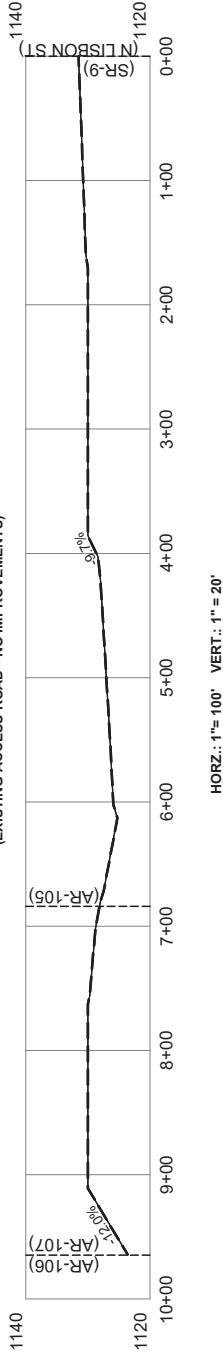
Located in the Counties of
Carroll, Harrison,
and Jefferson,
and State of Ohio.

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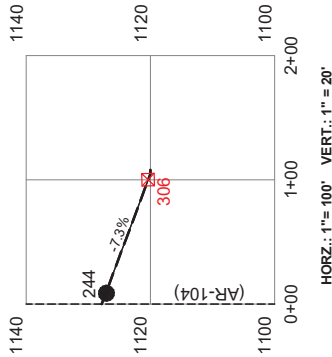
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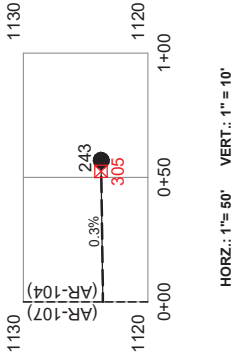
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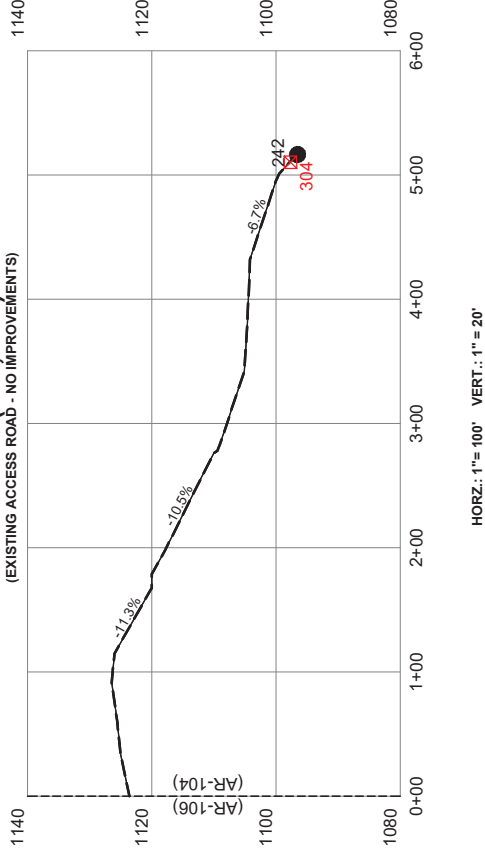
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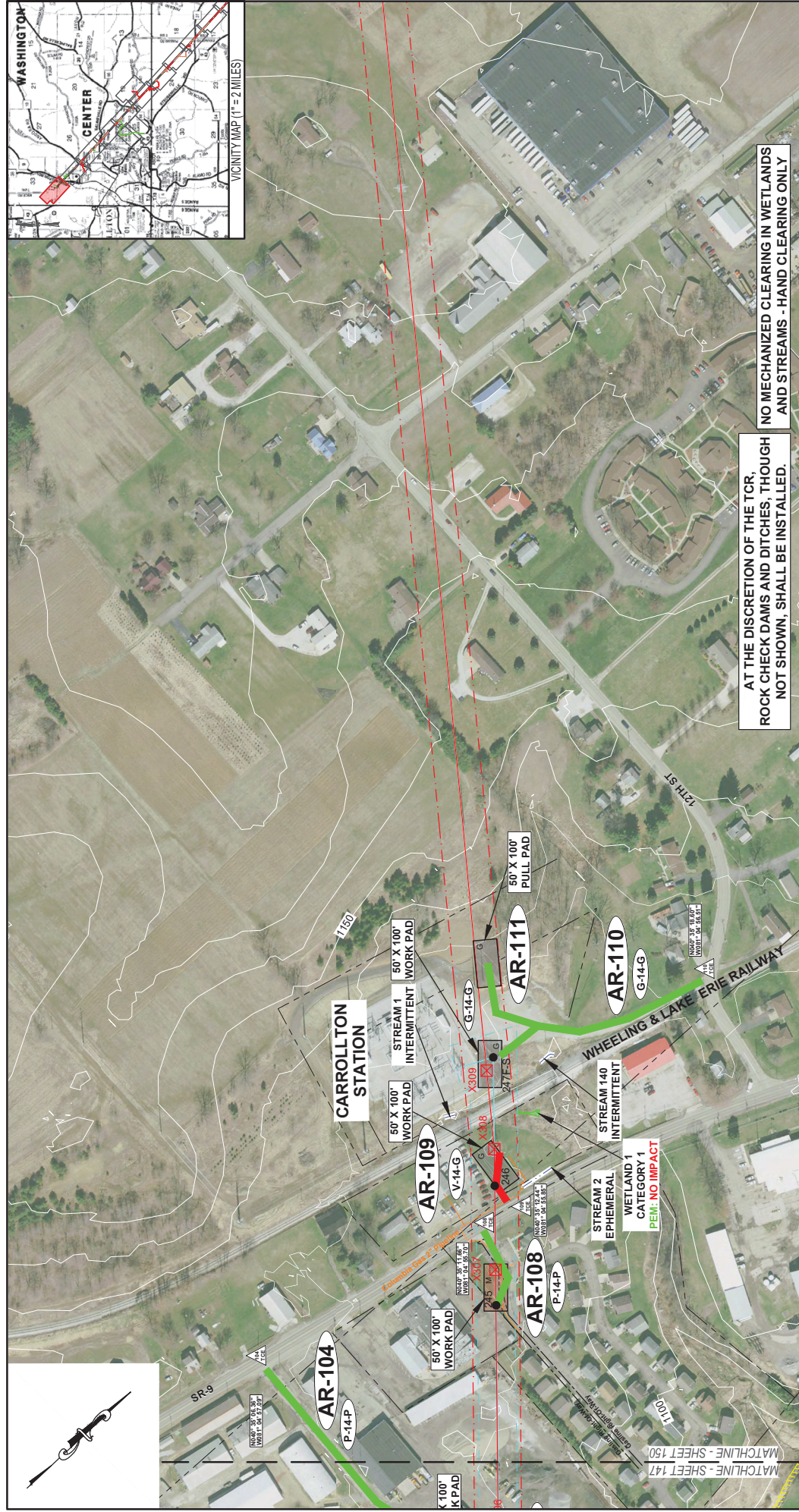
LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION

36 52

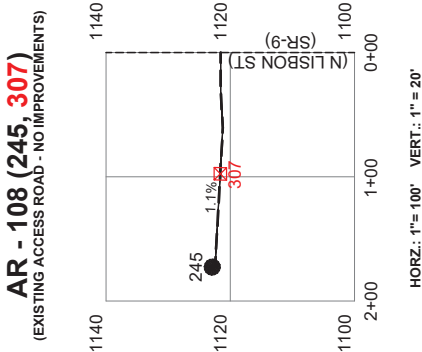
AIR BRIDGES TO BE INSTALLED AT ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR, ROCK CHECK DAMS AND DITCHES, THOUGH NOT SHOWN, SHALL BE INSTALLED.

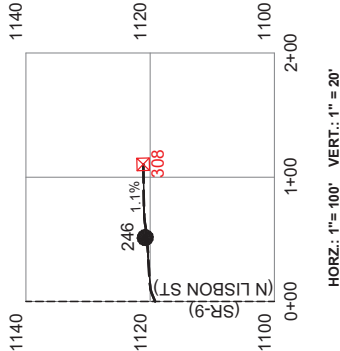
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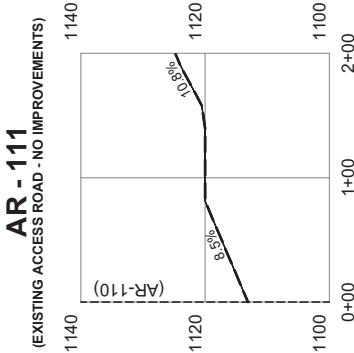
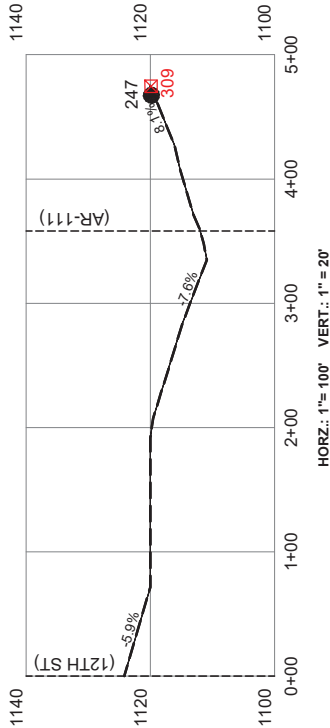
SEE SHEET 149 of 154



AR - 109 (246, 308)
(GRAVEL ACCESS ROAD)



AR - 110 (247, 309)
(EXISTING ACCESS ROAD - NO IMPROVEMENTS)



LEGEND

- EXISTING GRADE
- PROPOSED GRADE
- PROPOSED STRUCTURE LOCATION
- EXISTING STRUCTURE LOCATION

36

52

AIR BRIDGES TO BE INSTALLED AT ALL STREAM CROSSINGS

AT THE DISCRETION OF THE TCR, ROCK CHECK DAMS AND DITCHES, THOUGH NOT SHOWN, SHALL BE INSTALLED.

OPEN BURNING. NO MATERIALS MAY BE BURNED WHICH CONTAIN RUBBER, GREASE, ASPHALT, OR PETROLEUM PRODUCTS SUCH AS Tires, Cars, Auto Parts, Plastics or Plastic Coated Wire (See CAC 3145-9). OPEN BURNING IS NOT ALLOWED IN RESTRICTED AREAS. RESTRICTED AREAS ARE DEFINED AS:

- OUTSIDE THE RESTRICTED AREA. NO OPEN BURNING CAN TAKE PLACE WITHIN 1,000 FEET OF AN UNHABITED BUILDING LOCATED OFF THE PROPERTY WHERE THE FIRE IS SET. OPEN BURNING IS PERMISSIBLE IN A RESTRICTED AREA FOR THE FOLLOWING ACTIVITIES: HEATING TAR, WELDING AND ACETYLENE TORCHES; SMUDGE POTS AND SIMILAR OCCUPANCY NEEDS, AND HEATING OR WARMTH FOR OUTDOOR BARBEQUES. OUTSIDE OF RESTRICTED AREAS, OPEN BURNING IS PERMISSIBLE FOR LANDSCAPE WASTES PLANT MATERIAL, WITH PRIOR WRITTEN PERMISSION FROM OHIO EPA, AND AGRICULTURAL WASTES MATERIAL GENERATED BY CROP, HORTICULTURAL OR LIVESTOCK PRODUCTION PRACTICES).

DUST CONTROL IS REQUIRED TO PREVENT NUISANCE CONDITIONS. DUST CONTROLS MUST BE USED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION AND NOT BE APPLIED IN A MANNER WHICH WOULD RESULT IN A DISCHARGE TO WATERS OF THE STATE. ISOLATION DISTANCES FROM BRIDGES, CATCH BASINS, AND OTHER DRAINAGE WAYS MUST BE OBSERVED. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN PRECIPITATION IS IMMINENT, AS NOTED IN THE SHORT TERM FORECAST. USE OF AIP MAY NOT BE APPLIED FOR DUST CONTROL. CHEMICAL STABILIZERS MAY ONLY BE USED WITH AEP PERMISSION.

ALL CONTRACTORS AND SUB CONTRACTORS MUST BE MADE AWARE THAT CERTAIN ACTIVITIES ASSOCIATED WITH CONSTRUCTION WILL REQUIRE AIR PERMITS. ACTIVITIES INCLUDING BUT NOT LIMITED TO MOBILE CONCRETE BATCH PLANTS, MOBILE ASPHALT PLANTS, CONCRETE CRUSHERS, LARGE GENERATORS, ETC., WILL REQUIRE SPECIFIC OHIO EPA AIR PERMITS FOR INSTALLATION AND OPERATION. NOTIFICATION FOR RESTORATION AND DEMOLITION MUST BE SUBMITTED TO OHIO EPA FOR ALL COMMERCIAL SITES TO DETERMINE IF ASBESTOS CORRECTIVE ACTIONS ARE REQUIRED.

THE CONTRACTOR SHALL PROVIDE LITTER CONTROL AND COLLECTION OF MATERIALS WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION. ALL FERTILIZER, HYDROCARBON, OR OTHER CHEMICAL CONTAINERS SHALL BE DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE EPA'S STANDARD PRACTICES. NO SOLID WASTE MATERIAL, INCLUDING BUILDING AND CONSTRUCTION MATERIAL SHALL BE DISPOSED OF, DISCHARGED OR BURIED ON SITE.

UNLOADED HAUL TRUCKS SHALL BE COVERED WITH A TARPAULIN. EXCESS DIRT MATERIAL ON THE ROADS SHALL BE REMOVED IMMEDIATELY. HAULING ON UNPAVED SURFACES SHALL BE MONITORED TO MINIMIZE DUST AND CONTROL EROSION. HAUL ROADS SHALL BE WATERED OR OTHER CONTROLS PROVIDED AS NECESSARY TO REDUCE DUST AND CONTROL SEDIMENTS.

THE CONTRACTOR SHALL PROVIDE PORTABLE SANITARY WASTE FACILITIES. THESE FACILITIES SHALL BE COLLECTED OR EMPTIED BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR AS REQUIRED BY STATE REGULATIONS. LOCATION TO BE REDEFINED ON SWPPP IF INSTALLED.

FERTILIZER SHALL BE APPLIED AT A RATE SPECIFIED BY THE SPECIFICATIONS OR THE MANUFACTURER. THE APPLICATION OF FERTILIZERS SHALL BE ACCOMPLISHED IN A MANNER AS DESCRIBED BY THE SPECIFICATION OR THE MANUFACTURER TO ENSURE THE PROPER INSTALLATION AND TO AVOID OVER FERTILIZING. PESTICIDES ARE NOT ANTICIPATED FOR THIS PROJECT.

EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM THE WETLANDS, FLOODPLAINS, WATERCOURSES, DITCHES, OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAMMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HOURS OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER.

SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND STORAGE TANK OF 1,320 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. SOILS THAT HAVE BEEN CONTAMINATED MUST BE DISPOSED OF IN ACCORDANCE WITH SECTION "CONTAMINATED SOIL" FOUND BELOW.

DISPOSED OF WITH THE TRASH AT LICENSED SANITARY LANDFILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS TOXIC SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE OHIO EPA (1-800-282-3378). SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE OHIO EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH RESULT IN CONTACT WITH WATERS OF THE STATE MUST BE REPORTED TO OHIO EPA HOTLINE.

IF SUBSTANCES SUCH AS DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC., ARE SPILLED, LEAKED, OR OTHERWISE RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DECONTAMINATED BY A LICENSED STORMWATER ENGINEER AND/OR LANDFILL OPERATOR. STORMWATER ENGINEERS AND/OR LANDFILL OPERATORS SHOULD BE AWARE THAT STORMWATER RUN OFF ASSOCIATED WITH CONTAMINATED SOLS ARE NOT BEING AUTHORIZED UNDER OHIO'S GENERAL STORMWATER PERMIT ASSOCIATED WITH CONSTRUCTION ACTIVITIES. IN THE EVENT THERE ARE LARGE EXTENSIVE AREAS OF CONTAMINATED SOLS, ADDITIONAL MEASURES MAY BE REQUIRED, INCLUDING BUT NOT LIMITED TO: (1) CONSTRUCTION OF A DRAINAGE CANAL TO COLLECT AND DISPOSE OF ALL STORMWATER DISCHARGES ASSOCIATED WITH CONTAMINATED SOLS, MUST BE REQUIRED. ALL STORMWATER DISCHARGES ASSOCIATED WITH CONTAMINATED SOLS ARE ENCOURAGED, NOTIFIED AND REQUIRED TO BE DISPOSED AT AN APPROVED STORMWATER DISPOSAL SITE. IF CONTAMINATED SOLS ARE ENCOUNTERED, NOTIFY ASP BY PHONE AT 1-800-424-9884.

DESCRIPTION

TEMPORARY SEEDINGS ESTABLISH TEMPORARY COVER ON DISTURBED AREAS BY PLANTING APPROPRIATE RAPIDLY GROWING ANNUAL GRASSES OR SMALL GRAINS. TEMPORARY SEEDING PROVIDES EROSION CONTROL ON AREAS IN BETWEEN CONSTRUCTION OPERATIONS AND PERMANENT SEEDINGS. THE SEEDS OF THESE SPECIES ARE NOT SUITABLE FOR LONG TERM PROTECTION BECAUSE THEY EFFECTIVELY MINIMIZE THE AREA OF A CONSTRUCTION SITE PRONE TO EROSION AND SHOULD BE USED EVERYWHERE THE SEQUENCE OF CONSTRUCTION OPERATIONS ALLOWS VEGETATION TO BE ESTABLISHED.

1. STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
2. TEMPORARY SEEDING SHALL BE APPLIED BEFORE CONSTRUCTION OPERATIONS ON THAT LOT, THAT WILL NOT BE GRADED OR REWORKED FOR 14 DAYS OR GREATER. THESE DUE AREAS SHALL BE SEEDED WITHIN 7 DAYS AFTER GRADING.
3. THE SEEDER SHOULD BE CALIBRATED AND CHECKED TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE PORTIONED IF IDEAL SEEDING PREPARATION IS NOT POSSIBLE.
4. SOIL AMENDMENTS - TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY

HYDROSEEDING: HYDROSEEDING IS A SEEDING METHOD IN WHICH A SEEDING MIXTURE OF SEED, FERTILIZER, AND A BINDER IS APPLIED TO THE SOIL BY A HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY ROLLING OR DRAGGING AND THEN LIGHTLY TAMPOD INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED, THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.

1. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDING MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION.

- OTHER-OTHER ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD CHIPS APPLIED AT 6 TON/AC

- DUST CONTROL (DC)

DUST CONTROL INVOLVES PREVENTING OR REDUCING DUST FROM EXPOSED SOILS OR OTHER SOURCES DURING LAND DISTURBING, DEMOLITION AND CONSTRUCTION ACTIVITIES TO REDUCE THE PRESENCE OF AIR-BORNE SUBSTANCES WHICH MAY PRESENT HEALTH HAZARDS, TRAFFIC SAFETY PROBLEMS OR HARM ANIMAL OR PLANT LIFE

1. **VEGETATIVE COVER AND MULCH**—APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN BARE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO REDUCE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. SEE TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING PRACTICES, AND TREE AND NATURAL AREA PROTECTION PRACTICES.

- TREATMENT SHOULD BE APPLIED AS NEEDED TO ACCOMPLISH CONTROL.

FILTER SOCKS ARE SEDIMENT-TRAPPING DEVICES USING COMPOST INSERTED INTO A FLEXIBLE, PERMEABLE TUBE WITH A PNEUMATIC BLOWER DEVICE OR EQUIVALENT. FILTER SOCKS TRAP SEDIMENT BY FILTERING WATER PASSING THROUGH THE BERM AND ALLOWING WATER TO POND, CREATING A SETTLING OF SOLIDS.

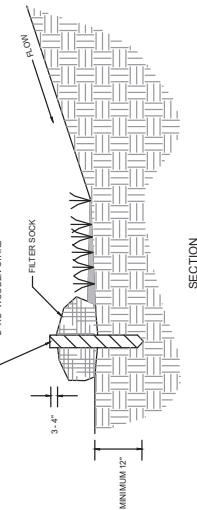
1. MATERIALS - COMPOST USED FOR FILTER SOCKS SHALL BE WEED, PATHOGEN AND INSECT FREE AND FREE OF ANY REFUSE. CONTAMINANTS OR OTHER MATERIALS TOXIC TO PLANT GROWTH. THEY SHALL BE DERIVED FROM A WELL-DECOMPOSED SOURCE OF ORGANIC MATTER AND CONSIST OF A PARTICLE RANGING FROM 3/8" TO 2".

3. FILTER SOCKS WILL BE PLACED ON A LEVEL LINE ACROSS SLOPES, GENERALLY PARALLEL TO THE BASE OF THE SLOPE OR OTHER AFFECTED AREA. ON SLOPES APPROACHING 2:1, ADDITIONAL SOCKS SHALL BE PROVIDED AT THE TOP AND AS NEEDED MID-SLOPE.

6. ROUTINELY INSPECT FILTER SOCKS AFTER EACH SIGNIFICANT RAIN, MAINTAINING FILTER SOCKS IN A FUNCTIONAL CONDITION AT ALL TIMES.
7. REMOVE SEDIMENTS COLLECTED AT THE BASE OF THE FILTER SOCKS WHEN THEY REACH 1/3 OF THE EXPOSED HEIGHT OF THE PRACTICE.

9. REMOVAL - FILTER SOCKS WILL BE DISPERSED ON SITE WHEN NO LONGER REQUIRED IN SUCH A WAY AS TO FACILITATE AND NOT OBSTRUCT SEEDINGS.

- 2" X 2" WOODEN STAKE



TEMPORARY CONSTRUCTION ENTRANCE



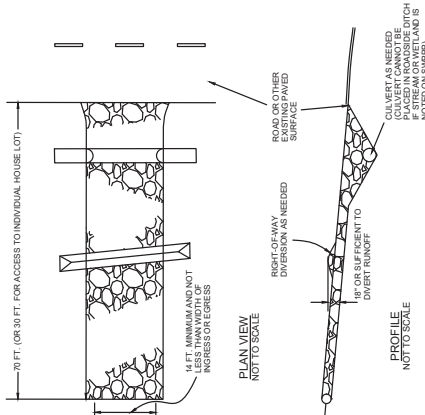
DESCRIPTION
A TEMPORARY CONSTRUCTION ENTRANCE IS A STABILIZED PAD OF STONE UNDERLAIN WITH A GEOTEXTILE AND IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC. LOCATED AT POINTS OF ENTRY AND EXIT, THE PRACTICE IS USED TO REDUCE THE AMOUNT OF MUD TRACKED OFF-SITE WITH CONSTRUCTION TRAFFIC.

THE NUMBER OF THE TEMPORARY CONSTRUCTION ENTRANCE CORRESPONDS TO THE NUMBER OF THE ACCESS ROAD.

- SPECIFICATIONS FOR CONSTRUCTION ENTRANCE**
- STONE SIZE - 0007 #2 (1.52 x 1.52 INCH) STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
 - LENGTH - THE CONSTRUCTION ENTRANCE SHALL BE AS LONG AS REQUIRED TO STABILIZE HIGH TRAFFIC AREAS BUT NOT LESS THAN 10 FT. (EXCEPTION APPLIES TO 1 MINIMUM TO SINGLE RESIDENCES (10 FT.))
 - THICKNESS - THE STONE LAYER SHALL BE AT LEAST 8 INCHES THICK FOR LIGHT DUTY ENTRANCES OR AT LEAST 10 INCHES FOR HEAVY DUTY USE.
 - WIDTH - THE ENTRANCE SHALL BE AT LEAST 14 FEET WIDE, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - GEOTEXTILE - A GEOTEXTILE SHALL BE Laid OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE FOLLOWING SPECIFICATIONS:

GEOTEXTILE SPECIFICATIONS FOR CONSTRUCTION ENTRANCE				
MINIMUM TENSILE STRENGTH	200 LBS			
MINIMUM TENSILE ELONGATION	20%			
MINIMUM TEAR STRENGTH	50 LBS			
MINIMUM BURST STRENGTH	200 LBS			
MINIMUM ELONGATION	20%			
EQUIVALENT OPENING SIZE	EQ-0.015 MM			
PERMEABILITY	1X10 ⁻³ CM/SQ			

- TIME - THE CONSTRUCTION ENTRANCE SHALL BE INSTALLED AS SOON AS IS PRACTICABLE BEFORE MAJOR GRADING ACTIVITIES.
- CULVERT - A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FROM FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVE SURFACES.
- WATER BAR - A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE AND MUST PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
- MAINTENANCE - TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MID SPALLS, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEGMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCARPING OR GIED PAD.
- CONSTRUCTION ENTRANCES SHALL NOT BE REEDED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF-SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SITE SHALL BE RESTRICTED FROM REEDED PAD.
- REMOVAL - THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.



TEMPORARY ROLLED EROSION CONTROL PRODUCTS (EROSION CONTROL MATTING)

DESCRIPTION
A TEMPORARY ROLLED EROSION CONTROL PRODUCT (RECP) IS A DEGRADABLE MANUFACTURED MATERIAL USED TO STABILIZE EASILY ERODED AREAS WHILE VEGETATION BECOMES ESTABLISHED. TEMPORARY ROLLED EROSION CONTROL PRODUCTS ARE AVAILABLE IN A VARIETY OF MATERIALS, INCLUDING BUT NOT LIMITED TO: COIR, WHEAT, AND OTHERS. DEGRADABLE MATERIALS. TEMPORARY RECPs CONSIST OF EROSION CONTROL NETTING, OPEN WEAVE TEXTILES, AND EROSION CONTROL BLANKETS AND MATTINGS. THESE PRODUCTS REDUCE SOIL EROSION AND RUNOFF WHILE PROVIDING SOIL-SEED CONTACT.

SPECIFICATIONS FOR TEMPORARY ROLLED EROSION CONTROL PRODUCT

- INSTALLATION - RECPs SHALL BE INSTALLED ON A PREPARED SURFACE. RECPs SHALL BE SEEDING SPECIFICATION FOR SEEDING RECOMMENDATIONS.
- CHANNELSLOPE SEEDING - APPLY SEED TO SOIL SURFACE PRIOR TO INSTALLATION. ALL CHECK SLOTS, INTERMITTENT CHECK SLOTS, AND LONGITUDINAL CHECK SLOTS SHALL BE RESEED. REFER TO THE PERMANENT SEEDING SPECIFICATION FOR SEEDING RECOMMENDATIONS.

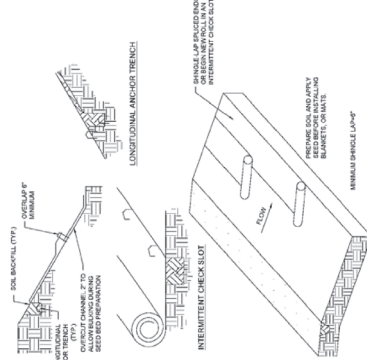
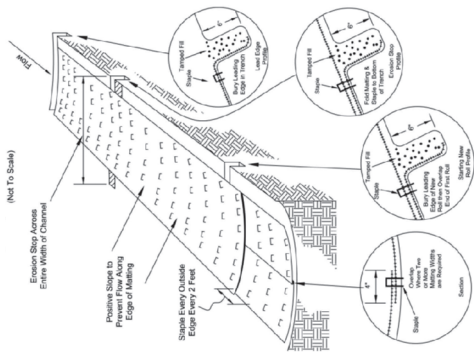
SLOPE INSTALLATION

- EXCAVATE TOP SOIL TO BOTTOM TRENCHES (12\"X6\"). INTERMITTENT TRENCH CHECK SLOTS (8\"X6\"). MAY BE REQUIRED BASED ON SLOPE LENGTH. EXCAVATE TOP ANCHOR TRENCHES 3\"X6\"). OVER CREST OF THE SLOPE.
- IF INTERMITTENT EROSION CHECK SLOTS ARE REQUIRED, INSTALL RECP IN 8\"X6\"). SLOT AT A MAXIMUM OF 30\" CENTERS OR THE MID POINT OF THE SLOPE. RECP SHOULD BE STAKED INTO TRENCH ON 12\" CENTERS.
- INSTALL RECP IN TOP ANCHOR TRENCH, ANCHOR ON 12\" SPACINGS, BACKFILL AND COMPACT SOIL.
- UNROLL RECP DOWN SLOPE WITH ADJACENT ROLLS OVERLAPPED A MINIMUM OF 3\". ANCHOR THE SEAM EVERY 18\". LAY THE RECP CLOSE TO MAIN ANCHOR. SOIL CONTACT, DO NOT PULL TAUGHT.
- OVERLAP ROLL ENDS A MINIMUM OF 12\" WITH UPSLOPE RECP ON TOP FOR A SINGLE EFFECT. BEGIN ALL NEW ROLLS IN AN EROSION CHECK SLOT IF REQUIRED, DOUBLE ANCHOR ACROSS ROLL VERY 12\".
- INSTALL RECP IN BOTTOM ANCHOR TRENCH (12\"X6\"). ANCHOR EVERY 12\". PLACE ALL OTHER STAPLES THROUGHOUT SLOPE AT 1 TO 2.5 PER SQUARE YARD DEPENDENT ON SLOPE. REFER TO MANUFACTURER'S ANCHOR GUIDE.

CHANNEL INSTALLATION

- EXCAVATE INITIAL ANCHOR TRENCH (12\"X6\"). ACROSS THE LOWER END OF THE PROJECT AREA.
- EXCAVATE INTERMITTENT CHECK SLOTS (8\"X6\"). ACROSS THE CHANNEL AT 30\" INTERVALS ALONE THE CHANNEL.
- EXCAVATE LONGITUDINAL CHANNEL ANCHOR SLOTS (8\"X6\"). ALONG BOTH SIDES OF THE CHANNEL TO BURY THE EDGES. WHENEVER POSSIBLE EXTEND THE RECP 2\" ABOVE THE CREST OF CHANNEL SIDE SLOPES.
- INSTALL RECP IN INITIAL ANCHOR TRENCH (DOWNSTREAM ANCHOR EVERY 12\". BACKFILL AND COMPACT SOIL.
- ROLL OUT RECP BEGINNING IN THE CENTER OF THE CHANNEL TOWARD THE INTERMITTENT CHECK SLOT. DO NOT PULL TAUGHT. UNROLL ADJACENT ROLLS UPSTREAM WITH A 3\" MINIMUM OVERLAP (ANCHOR EVERY 18\") AND UP EACH CHANNEL SIDE SLOPE.
- AT TOP OF CHANNEL, SIDE SLOPES INSTALL RECP IN THE LONGITUDINAL ANCHOR SLOTS, ANCHOR EVERY 18\".
- INSTALL RECP IN INTERMITTENT CHECK SLOTS, LAY INTO TRENCH AND SECURE WITH ANCHORS EVERY 12\". BACKFILL WITH SOIL AND COMPACT.
- OVERLAP ROLL ENDS A MINIMUM OF 12\" WITH UPSLOPE RECP ON TOP FOR SHINGLING EFFECT. BEGIN ALL NEW ROLLS IN AN INTERMITTENT CHECK SLOT, DOUBLE ANCHORED EVERY 12\".
- INSTALL UPSTREAM END IN A TERMINAL ANCHOR TRENCH (12\"X6\"). ANCHOR EVERY 12\". BACKFILL AND COMPACT.

- COMPLETE ANCHORING THROUGHOUT CHANNEL AT 2.5 PER SQUARE YARD USING SUITABLE GROUND ANCHORING DEVICES (U SHAPED WIRE STAPLES, METAL GEOTEXTILE PINS, PLASTIC STAKES, AND TRIANGULAR WOODEN STAKES). ANCHORS SHOULD BE OF SUFFICIENT LENGTH TO RESIST PULLOUT. LONGER ANCHORS MAY BE REQUIRED IN LOOSE SANDY OR GRAVELLY SOILS.



ISOMETRIC VIEW

*SEE MANUFACTURER'S LITING INSTALLATION DETAIL FOR STABLE PATTERNS, AND VEGETATIVE STABILIZATION SPECIFICATIONS FOR SOIL AMENDMENTS, SEED MATTERS, AND NUTRIENT INFORMATION. LUNDS TO BE TENDR. VMA. CDSB. OR APPROVED LOCAL.

NOTE

- DAMAGED LINING SHALL BE REPAIRED OR REPLACED WITHIN 48 HOURS OF DISCOVERY.

SLOPE PROTECTION NOT TO SCALE

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GABLE - CARROLLTON 138KV LINE
EROSION & SEDIMENT CONTROL DETAILS

BAIR
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Located in the Counties of
Carroll, Harrison and Jefferson,
State of Ohio

Bair, Goodie and Associates, Inc.
153 North Broadway Street
New Philadelphia, Ohio 44663
E: jpell@bairgoodie.com
P: 330.343.3499

PS

DESCRIPTION
PERENNIAL VEGETATION IS ESTABLISHED ON AREAS THAT WILL NOT BE RE-DISTURBED FOR PERIODS LONGER THAN 12 MONTHS. PERMANENT SEEDING INCLUDES SITE PREPARATION, SEEDBED PREPARATION, PLANTING SEED, MULCHING, IRRIGATION AND MAINTENANCE.
PERMANENT VEGETATION IS USED TO STABILIZE SOIL, REDUCE EROSION, PREVENT SEDIMENT POLLUTION, REDUCE RUNOFF BY PROMOTING INFILTRATION, AND PROVIDE STORMWATER QUALITY BENEFITS OFFERED BY DENSE GRASS COVER.

SITE PREPARATION

1. SUBSOLATION OR OTHER MEASURES SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW FOR MAXIMUM WATER INfiltration. SUBSOLATION DEPTH SHALL BE SUFFICIENT TO ALLOW THE WATER QUANTITY SURFING SHOULD BE DONE WHEN THE SOIL MOISTURE IS LOW ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE. SURFING SHALL NOT BE DONE ON SLOPES AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION.

1. SUSPENSER, FLOW, OR OTHER MECHANISM SHALL BE USED TO REDUCE SOIL COMPACTION AND ALLOW MAXIMUM INFILTRATION. (MAXIMIZING INFILTRATION WILL HELP CONTROL LOW RUNOFF RATE AND WATER QUALITY.) SUSPENDING SHOULD BE DONE WHEN THE SOIL MOISTURE IS BOTH ENOUGH TO ALLOW THE SOIL TO CRACK OR FRACTURE (SUSPENDING SHALL NOT BE DONE ON SLURRY-AREA AREAS WHERE SOIL PREPARATION SHOULD BE LIMITED TO WHAT IS NECESSARY FOR ESTABLISHING VEGETATION).
2. THE SITE SHALL BE GRADDED AS NEEDED TO PERMIT THE USE OF CONVENTIONAL EQUIPMENT FOR SEEDING, PREPARATION AND SEEDING.

3. TOPSOIL SHALL BE APPLIED WHERE NEEDED TO ESTABLISH VEGETATION.

SEEDBED PREPARATION

1. LIME—AGRICULTURAL GROUND LIMESTONE SHALL BE APPLIED TO ACID SOIL AS RECOMMENDED BY A SOIL TEST. IN LIEU OF SOIL TEST, LIME SHALL BE APPLIED AT THE RATE OF 100 POUNDS PER 1,000-SQ. FT. OR 2 TONS PER ACRE.

- OR OTHER SUITABLE FIELD IMPL
WORKED ON THE CONTOL

SEEDING DATES AND SOIL CONDITIONS
SEEDING SHOULD BE DONE MARCH 1 TO MAY 31 OR AUGUST 1 TO SEPTEMBER 30. IF SEEDING OCCURS OUTSIDE THE ABOVE-SPECIFIED DATES, ADDITIONAL MULCH AND IRRIGATION MAY BE REQUIRED TO ENSURE A MINIMUM OF 80% GERMINATION. TILLAGE FOR SEEDBED PREPARATION SHOULD BE DONE WHEN THE SOIL IS DRY ENOUGH TO CRUMBLE AND NOT FORM RIBBONS WHEN COMPRESSED BY HAND. FOR WINTER SEEDING, SEE THE FOLLOWING SECTION ON DORMANT SEEDING.

DORMANT SEEDING

1. SEEDING SHOULD NOT BE MADE FROM OCTOBER 1 THROUGH NOVEMBER 20. DURING THIS PERIOD, THE SEEDS ARE LIKELY TO GERMINATE BUT PROBABLY WILL NOT BE ABLE TO SURVIVE THE WINTER.

- SEEDING OPERATIONS SWOIII ARE ON THE CONTOUR WHERE FEASIBLE
FOLLOWING SEEDING OPERATIONS WITH A CULTIPACKER, ROLLER, OR LIGHT DRAG, ON SLOPING LAND;

MULCHING

1. MULCH MATERIAL SHALL BE APPLIED IMMEDIATELY AFTER SEEDING. DORMANT SEEDING SHALL BE MULCHED. 100% OF THE GROUND SURFACE SHALL BE COVERED WITH AN APPROVED MATERIAL.

- ### 3. STRAW AND MULCH ANCHORING METHODS

IRRIGATION

PERMANENT SEEDING SHALL INCLUDE IRRIGATION DURING DRY WEATHER OR ON ADVERSE SITE CONDITIONS, WHICH REQUIRE ADEQUATE MOISTURE FOR SEED GERMINATION AND PLANT GROWTH.

IRRIGATION RATES SHALL BE MONITORED TO PREVENT EROSION AND DAMAGE TO SEEDING AREAS FROM EXCESSIVE RUNOFF.

PERMANENT SEED MIXES

SLOPE STABILITY AND NATURAL CORRIDORS SEED MIX

2	SOLIDAGO NEMORALIS
3	SOLIDAGO SPECIOSA

THE UNIVERSITY OF CHICAGO PRESS

LAWN MIX. SHADE

SWALE AND RETENTION AREA SEED MIX

2	ASCIPIAS INCARNATA	SV
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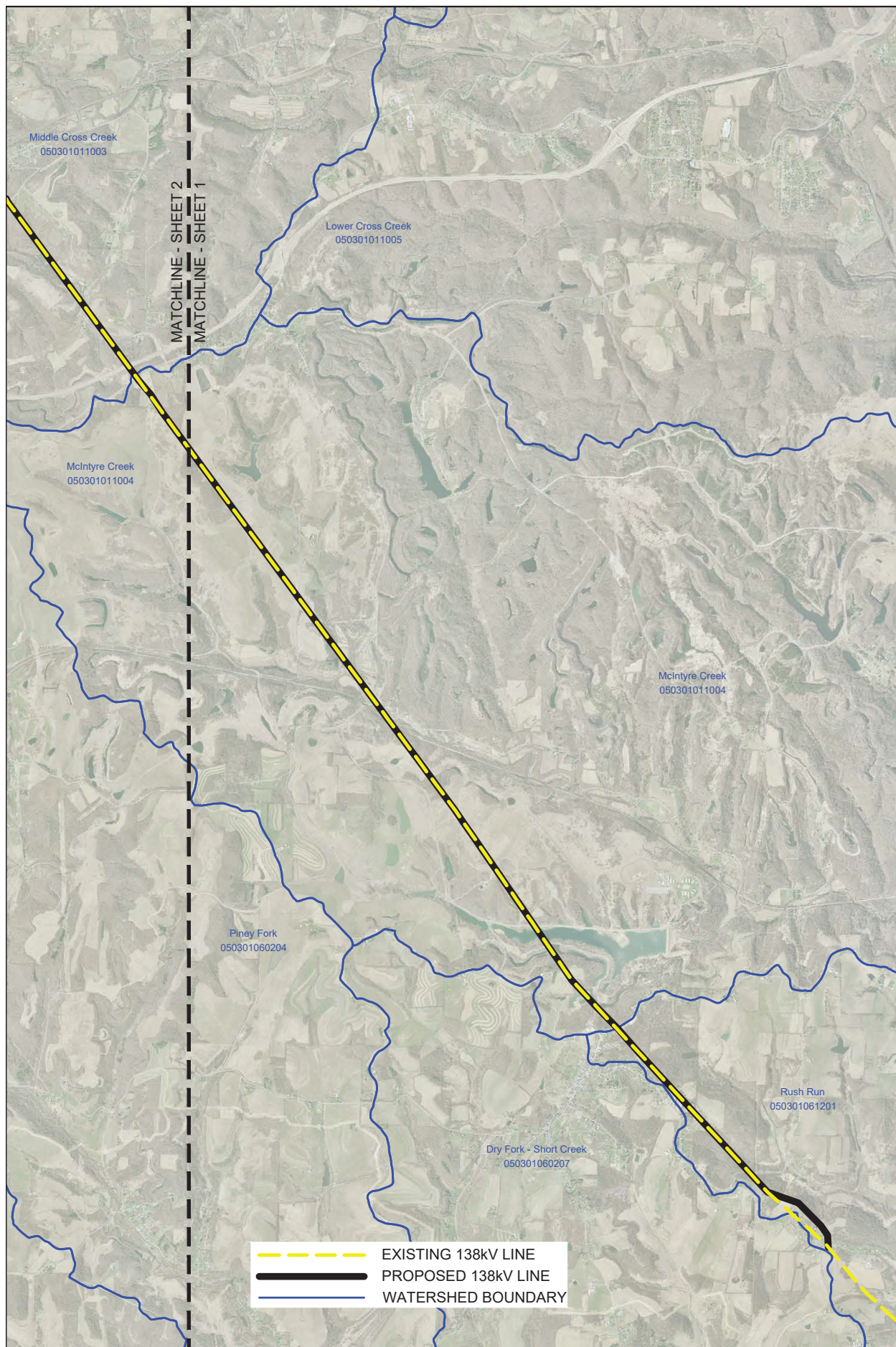
FROM 1 AME AREA OFFICER

File: TS130 | Date: 08/27/2021 | Sheet: 154 of 154

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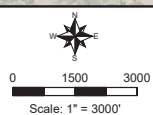




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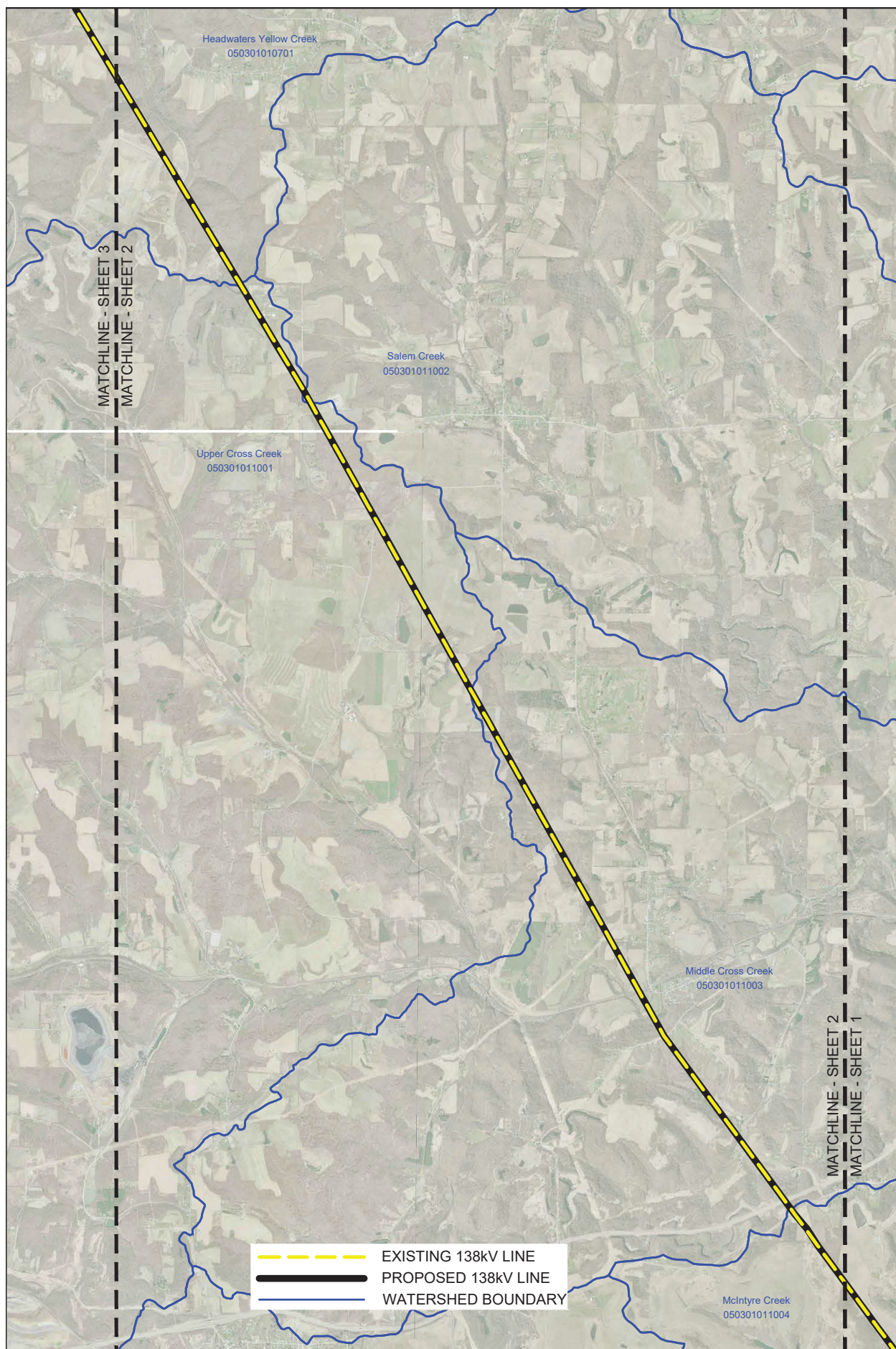
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COUNTY OF JEFFERSON,
TOWNSHIP OF GERMAN,
COUNTY OF HARRISON,
TOWNSHIPS OF SPRINGFIELD, LOUDON, LEE, AND CENTER,
COUNTY OF CARROLL,
STATE OF OHIO

FILE: AEP-TS130b
DATE: 12/28/2020
SHEET: 1 OF 4

AEP OHIO TRANSMISSION COMPANY, INC.

APPENDIX 2.
HUC-12 WATERSHED MAP
GABLE - CARROLLTON

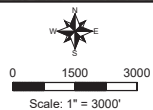
SMITHFIELD, RICHMOND, AMSTERDAM, BERGHOLZ,
AND CARROLLTON QUADRANGLES



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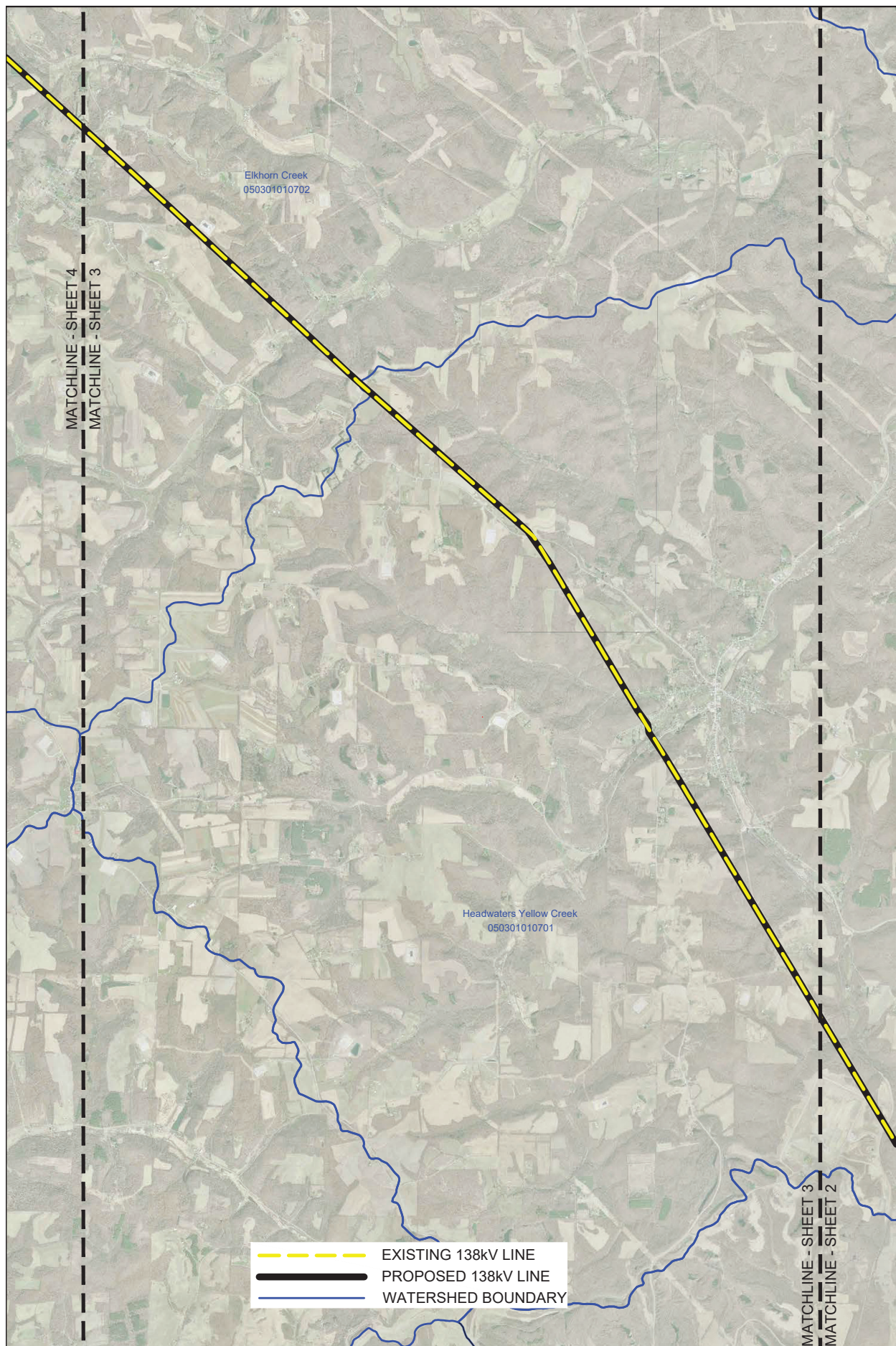
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STATE OF OHIO

FILE: AEP-TS130b
DATE: 12/28/2020
SHEET: 2 OF 4

AEP OHIO TRANSMISSION COMPANY, INC.

APPENDIX 2.
HUC-12 WATERSHED MAP
GABLE - CARROLLTON

SMITHFIELD, RICHMOND, AMSTERDAM, BERGHOLZ,
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POWER**



0 1500 3000
Scale: 1" = 3000'

LOCATED IN
TOWNSHIPS OF WELLS, SMITHFIELD, AND WAYNE,
COUNTY OF JEFFERSON,
TOWNSHIP OF GERMAN,
COUNTY OF HARRISON,
TOWNSHIPS OF SPRINGFIELD, LOUDON, LEE, AND CENTER,
COUNTY OF CARROLL,
STATE OF OHIO

FILE: AEP-TS130b
DATE: 12/28/2020
SHEET: 3 OF 4

AEP OHIO TRANSMISSION COMPANY, INC.

APPENDIX 2.
HUC-12 WATERSHED MAP
GABLE - CARROLLTON

SMITHFIELD, RICHMOND, AMSTERDAM, BERGHOLZ,
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Case No(s). 21-0900-EL-BLN

Summary: Notice Proof of Compliance Condition #2 Part 5 electronically filed by Hector Garcia-Santana on behalf of AEP Ohio Transmission Company, Inc.