



155 East Broad Street  
20<sup>th</sup> Floor  
Columbus, Ohio, 43215

o: 614-222-1330  
f: 614-222-1337

April 17, 2020

Ms. Tanowa M. Troupe  
Ohio Power Siting Board  
PUCO Docketing Division  
180 East Broad Street, 11<sup>th</sup> Floor  
Columbus, OH 43215-3716

Re: Case No. 16-253-GA-BTX  
Cincinnati Permit TPZ2002742 for Carthage Court Bore

Dear Ms. Troupe:

Duke Energy Ohio, Inc., is filing, herewith, Permit No. TPZ2002742, issued by the City of Cincinnati, for a bore under Carthage Court.

Please contact me if you have any questions.

Sincerely,

Emily A. Olive, CP  
Paralegal

# Transportation & Engineering Permit

Permit No.: TPZ2002742

City of Cincinnati  
Department of Transportation & Engineering  
Division of Engineering  
Permit & License Center  
Phone: 1-513-352-3463  
Fax: 1-513-352-5397

Permit Type: *Street Opening Permit*  
*DUKG-New*

This permit is valid for work starting  
11/01/2020 and void after 10/30/2022

Plans Attached? Y

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**Permittee:**

CINCINNATI GAS & ELECTRIC - GAS  
4612 KELLOG AVENUE  
ATTN: PERMIT DEPT.  
CINCINNATI, OHIO 45226

**Contact:** NICK WEIL - DUKE ENERGY  
513-287-2088

**24-Hours:**

**Insp:** JEFF WISSEMEIER  
**District:** 4 - ROSELAWN

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**Location:** 5916 CARTHAGE CT, CARTHAGE COURT

**Work Street:** CARTHAGE CT **From Street:** CARTHAGE CT TERM N OF SEYMOUR

**To Street:** SEYMOUR

AV

Work Order No.:

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**This Permit has been granted to do the following:** EAGLE CT - DUKG-New

**Street Area Impacted:** Overall Length: 0 Overall Width: 0 ; **Road:** 900 x 4 **Sidewalk:** 0 x 0

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**Special Notes:**

1: PERMIT IS FOR THE INSTALLATION OF A 20" STEEL PIPELINE ALONG CARTHAGE COURT AS PART OF THE DUKE ENERGY CENTRAL CORRIDOR PROJECT.

WORK IS SCHEDULED FROM 7:00 AM - 7:00 PM DAILY.

2: Requests for temporary parking restrictions must be made at the police district in which the requested restriction is geographically located.

If you are not certain of the police district an address is geographically located in, contact any police district for assistance in verifying the location.

It is the requestor's responsibility to submit the Parking Restriction Request in sufficient time to place the restriction sign(s)/meter bag(s) to comply with minimum lead time requirement in advance of the restriction, or the request may be unenforceable. Do not place restriction sign(s)/meter bag(s) beyond the maximum hours, in advance. When completing a Parking Restriction Request Form at a police district, be prepared to provide the DOTE, Right-of-Way Section issued permit. When a parking restriction form is received, the accepting officer will review the form for completeness and sign that it was received.

If you wish to temporarily restrict parking in an area that is not otherwise restricted, the completed request form must be submitted, AND the restriction sign(s) posted a minimum of 24 hours in advance, but not more than 36 hours in advance.

If you wish to temporarily restrict parking in metered parking spaces only, the completed request form must be submitted, AND the restriction sign(s)/meter bag(s) posted a minimum of 14 hours in advance, but not more than 24 hours in advance.

The receiving officer will advise the requesting party that they will be notified upon approval. Although signs and bags may be given to requesting parties at time of request, signs are not to be posted until notification of approval is made.

Upon posting the signs the requesting agency must call the District. The signs will not be enforced if the agency fails to notify the District.

3: Any collateral damage must be repaired as directed by the DOTE Inspector.

4: When no work is being performed, the entire roadway must be open and available to the movement of all traffic. All material and debris

Doc Control #: TE20009630

must be removed. Any work in the Right-of-Way that is not complete, MUST BE plated or otherwise open to traffic, and secured for safety purposes, for both pedestrian and vehicular traffic.

5: All maintenance of traffic shall be performed in accordance with Item 614 "Maintenance of Traffic", as provided in the State of Ohio, Department of Transportation "Construction and Materials Specifications" (ODOTCMS) and the City of Cincinnati Supplement to the ODOTCMS and the requirements for maintaining traffic in the "Ohio Manual of Uniform Traffic Control Devices" (OMUTCD). The City of Cincinnati's "Traffic Safety Handbook" may be used as a supplement to the OMUTCD. Advanced Warning Signs, Reflective Cones and Arrow Boards where applicable, shall be the responsibility of the permittee to comply. Approval of this permit DOES NOT RELIEVE THE PERMITTEE of that responsibility.

6: The permitted equipment must have company identification and meet City Public Works specifications for reflectivity at all times especially if the equipment will be used during nighttime hours. Construction barrels are required if the equipment does not comply with the city's reflectivity requirements. A sufficient number of barrels must be placed in advance of the equipment, immediately next to each other for the full width of the portion of roadway or the traffic lane that is blocked by the equipment. The approaching traffic must be able to see the barrels.

*IMPORTANT: This permit including any approved documents must be kept on the job site at all times.*

*FOR INSPECTION: CALL 352-3451, BETWEEN 7:30 AND 8:30 AM, WEEKDAYS, EVERYDAY THAT YOU ARE DOING WORK UNDER THIS PERMIT. IF YOU ARE DOING WORK UNDER THIS PERMIT ON WEEKENDS, YOU MUST CALL IN THE FRIDAY BEFORE, BETWEEN 7:30 AND 8:30 AM.*

In performing work under this permit, the Permittee is responsible for all related operations, that the operations conform to all applicable statutes, rules and regulations of the City of Cincinnati, State of Ohio, and that the Permittee shall defend, indemnify, and hold the City, its officers, employees, and agents harmless from and against any and all actions, suits, claims, losses, costs (including without limitation attorneys fees), demands, judgments, liability and damages arising from the work done under this permit.

***THIS PERMIT MAY BE REVOKED AT ANY TIME***  
**Call before you dig 1-800-362-2764 or 811**

**Estimated Total Permit Fee:** **\$0.00**  
Final costs will be based on total measured quantities and total inspection hours.

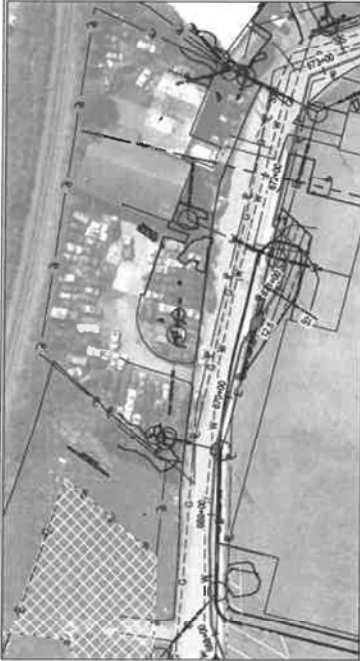
  
\_\_\_\_\_  
City Engineer / Designee                      Date

OWNERSHIP  
ADDRESS  
ELEVATIONS  
REF. DIM. IND.

STATIONING



PLAN  
VERTICAL SCALE 1" = 40'  
HORIZONTAL SCALE 1" = 100'



PLAN

PIPE DATA  
PIPE SIZE  
PIPE WALL THICKNESS

PLAN  
VERTICAL SCALE 1" = 40'  
HORIZONTAL SCALE 1" = 100'

PROFILE  
VERTICAL SCALE 1" = 40'  
HORIZONTAL SCALE 1" = 100'

PROFILE

FOR PERMITTING  
PURPOSES ONLY

NOTE  
CONTR. METHOD  
CLASS MAP

NOTE

PIEDMONT'S NATURAL GAS FACILITY DRAWINGS ARE CONSIDERED CONFIDENTIAL (04-106) DRAWING IS CURRENT ONLY THROUGH THE LATEST REVISION DATE. TO INSURE THERE IS NO RISK OF INAPPROPRIATE DISCLOSURE ALL PREVIOUS PAPER COPIES OF THIS DRAWING MUST BE DESTROYED IN ACCORDANCE WITH RECORDS AND INFORMATION MANAGEMENT (RIM) POLICY 1001

NO.	DATE	BY	CHK	APP	DESCRIPTION
P1	03/06/2020	ACT	CIS	ACT	ISSUED FOR PERMITTING

REGIONAL MANAGER REC & STD	APPROVALS	DATE
PROJECT NUMBER: C3500	DATE: _____	DATE: _____
DRAWING BY: ACT	DATE: _____	DATE: _____
STATION ID: C350	DATE: _____	DATE: _____
CHECKER: CIS	DATE: _____	DATE: _____

PIEDMONT'S NATURAL GAS FACILITY DRAWINGS ARE CONSIDERED CONFIDENTIAL (04-106) DRAWING IS CURRENT ONLY THROUGH THE LATEST REVISION DATE. TO INSURE THERE IS NO RISK OF INAPPROPRIATE DISCLOSURE ALL PREVIOUS PAPER COPIES OF THIS DRAWING MUST BE DESTROYED IN ACCORDANCE WITH RECORDS AND INFORMATION MANAGEMENT (RIM) POLICY 1001




**C350 PIPELINE**  
**OPSB PERMIT AMMENDMENT OPPORTUNITIES**  
**HAMILTON COUNTY, OH**  
 HAMILTON COUNTY, OH

SHEET(S) 1 OF X | DWG SCALE AS NOTED  
 DWG DATE: 01/13/2020 | SUPERSEDED  
 DRAWING NUMBER  
**PNG - C-350-SK01073** | P1  
 REVISION  
 CHAMBERLAIN COUNTY, OH

DRAWN BY: JRM  
 CHECKED BY: JRM  
 DATE: 01/18/2020

PROJECT: C350 PIPELINE  
 SHEET: 1 OF 1



FOR PERMITTING  
 PURPOSES ONLY

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NO.	DATE	BY	CHK.	APPV.	DESCRIPTION	APPROVALS
1	03/20/2020	ACT	CIS	JRM	ISSUED FOR PERMITTING	

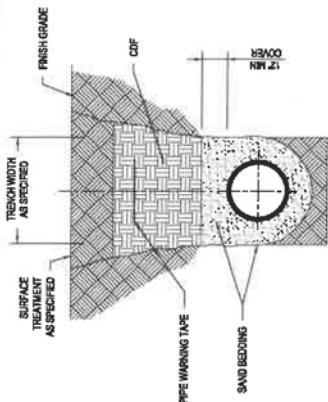
PROJECT: C350 PIPELINE  
 ACCOUNT NUMBER: C350  
 PROJECT NUMBER: 188015  
 DRAWING BY: ACT  
 STATION ID: C350  
 CHECKER INITIALS: CIS

**C350 PIPELINE**  
**OPSB PERMIT AMMENDMENT OPPORTUNITIES**  
**HAMILTON COUNTY, OH**  
 HAMILTON COUNTY, OH

SHEETS: 1 OF 1 | DRAWN SCALE: AS NOTED  
 DATE: 01/18/2020 | SUPERVISOR:  
 DRAWING NUMBER:  
**PNG - C-350-SK01074 | P1**  
 CANTON, OH COUNTY: HAMILTON

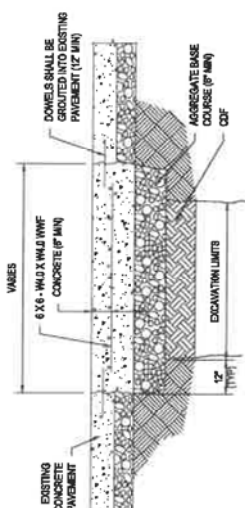
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 REC & STD: [ ]  
 PROJECT ENGINEER: [ ]

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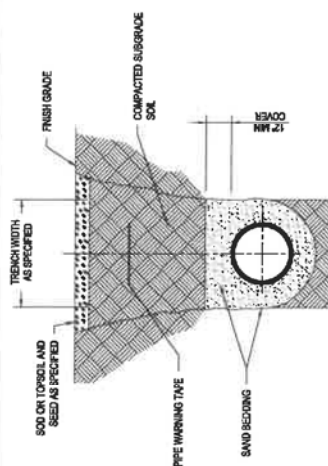
- NOTES:**
1. PIPE BEDDING SHALL BE CLEAN, GRANDED SAND COMPACTED TO PROVIDE EVEN SUPPORT FOR PIPE. APPROVED MATERIALS INCLUDE W/30 STONE DUST OR SIMILAR BEDDING MATERIAL SHALL FULLY ENCASE PIPE. CONTROLLED DENSITY FULL COF SHALL BE INSTALLED IN SUCH A MANNER THAT MINIMIZES VOIDS AND DOES NOT DISTURB BEDDING OR PIPE.
  2. PIPE WARNING TAPE SHALL BE INSTALLED APPROXIMATELY 2'-0" ABOVE PIPELINE, OR AS OTHERWISE RECOMMENDED BY MANUFACTURER. MATERIALS SHALL BE SIGNAL TAPE OR APPROVED EQUIVALENT AND SHALL BE NON-TRACEABLE VARIETY.

**UTILITY TRENCH**  
SCALE: N.T.S.



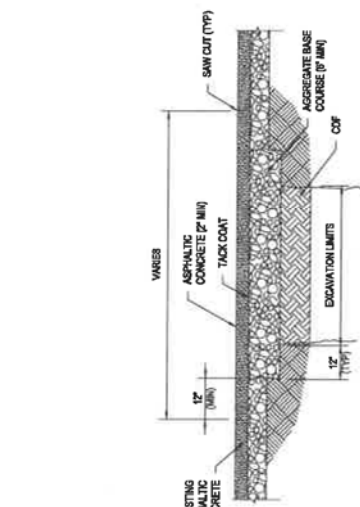
- NOTES:**
1. THICKNESS OF ALL REPLACEMENT COURSES SHALL BE EQUAL TO EXISTING BUT SHALL NOT BE LESS THAN INDICATED.
  2. CONCRETE PAVEMENT SHALL BE SAWCUT AND REMOVED TO NEAREST JOINT TO PREVENT PARTIAL PANEL REMOVAL. WIDTH OF PAVEMENT REMOVAL SHALL BE MINIMUM 2' EITHER SIDE OF UTILITY CENTERLINE AND TO THE NEXT PAVEMENT CENTERLINE AND UP TO NEXT PANEL LIMIT.
  3. SAWCUTS THAT EXTEND OUTSIDE THE AREA OF REMOVAL AND REPLACEMENT SHALL BE FILLED WITH AN EPoxy-BASED GROUT APPROVED BY THE ENGINEER.
  4. FULL DEPTH SAWCUTS SHALL BE MADE AROUND THE PERIMETER OF THE AREA TO BE PATCHED. THE CUT SHALL BE MADE AT A RIGHT ANGLE TO THE PAVEMENT EDGE AND TO THE CENTERLINE OF THE PAVEMENT.
  5. LONGITUDINAL FULL DEPTH SAW CUTS SHALL BE AT EXISTING LONGITUDINAL JOINTS.
  6. ADDITIONAL SAWCUTS MAY BE REQUIRED WITH THE AREA OF THE PATCH TO FACILITATE REMOVAL OF THE CONCRETE OR TO ALLEVIATE BONDING OF THE FULL DEPTH SAW CUT AT THE PATCH EDGE.

**CONCRETE PAVEMENT REMOVAL AND REPLACEMENT FOR UTILITY TRENCH**  
SCALE: N.T.S.



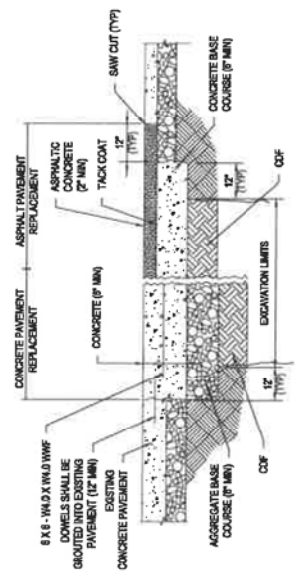
- NOTES:**
1. PIPE BEDDING SHALL BE CLEAN, GRANDED SAND COMPACTED TO PROVIDE EVEN SUPPORT FOR PIPE. APPROVED MATERIALS INCLUDE W/30 STONE DUST OR SIMILAR BEDDING MATERIAL SHALL FULLY ENCASE PIPE.
  2. PIPE WARNING TAPE SHALL BE INSTALLED APPROXIMATELY 2'-0" ABOVE PIPELINE, OR AS OTHERWISE RECOMMENDED BY MANUFACTURER. MATERIALS SHALL BE SIGNAL TAPE OR APPROVED EQUIVALENT AND SHALL BE NON-TRACEABLE VARIETY.

**UTILITY TRENCH**  
SCALE: N.T.S.



- NOTES:**
1. THICKNESS OF ALL REPLACEMENT COURSES SHALL BE EQUAL TO EXISTING BUT SHALL NOT BE LESS THAN INDICATED.
  2. BASE COURSE SHALL BE PORTLAND CEMENT TO REPLACE EXISTING CONCRETE BASE, AND SHALL BE ASPHALTIC CONCRETE BASE TO REPLACE ALL OTHER BASE MATERIALS.
  3. SAWCUTS THAT EXTEND OUTSIDE THE AREA OF REMOVAL AND REPLACEMENT SHALL BE FILLED WITH AN EPoxy-BASED GROUT APPROVED BY THE ENGINEER.

**ASPHALT PAVEMENT REMOVAL AND REPLACEMENT FOR UTILITY TRENCH**  
SCALE: N.T.S.



- NOTES:**
1. WIDTH OF PAVEMENT REMOVAL SHALL BE MINIMUM 2' EITHER SIDE OF UTILITY CENTERLINE AND TO THE NEXT PAVEMENT PANEL OR JOINT LIMIT WHENEVER FEASIBLE.
  2. THICKNESS OF ALL REPLACEMENT COURSES SHALL BE EQUAL TO EXISTING BUT SHALL NOT BE LESS THAN INDICATED.
  3. BASE COURSE SHALL BE PORTLAND CEMENT TO REPLACE EXISTING CONCRETE BASE, AND SHALL BE ASPHALTIC CONCRETE BASE TO REPLACE ALL OTHER BASE MATERIALS.
  4. FULL DEPTH SAWCUTS SHALL BE MADE AROUND THE PERIMETER OF THE AREA TO BE PATCHED AND SHALL BE MADE AT EXISTING JOINTS WHENEVER FEASIBLE. SAWCUTS THAT EXTEND OUTSIDE THE AREA OF REMOVAL AND REPLACEMENT SHALL BE FILLED WITH AN EPoxy-BASED GROUT APPROVED BY THE ENGINEER.
  5. EXISTING CONCRETE PAVEMENT SHALL BE SAWCUT AND REMOVED TO NEAREST JOINT TO PREVENT PARTIAL PANEL REMOVAL.
  6. CONCRETE REPLACEMENT PANELS SHALL BE SIZED TO MATCH THE EXISTING CONCRETE PANEL SIZES WHENEVER FEASIBLE AND SHALL HAVE A MAXIMUM LENGTH/WIDTH RATIO OF 1.25.
  7. SAWCUTS THAT EXTEND OUTSIDE THE AREA OF REMOVAL AND REPLACEMENT SHALL BE FILLED WITH AN EPoxy-BASED GROUT APPROVED BY THE ENGINEER.

**PAVEMENT REMOVAL AND REPLACEMENT FOR UTILITY TRENCH**  
SCALE: N.T.S.

**FOR PERMITTING PURPOSES ONLY**

**C350 PROJECT RESTORATION DETAILS 1 HAMILTON COUNTY, OHIO**

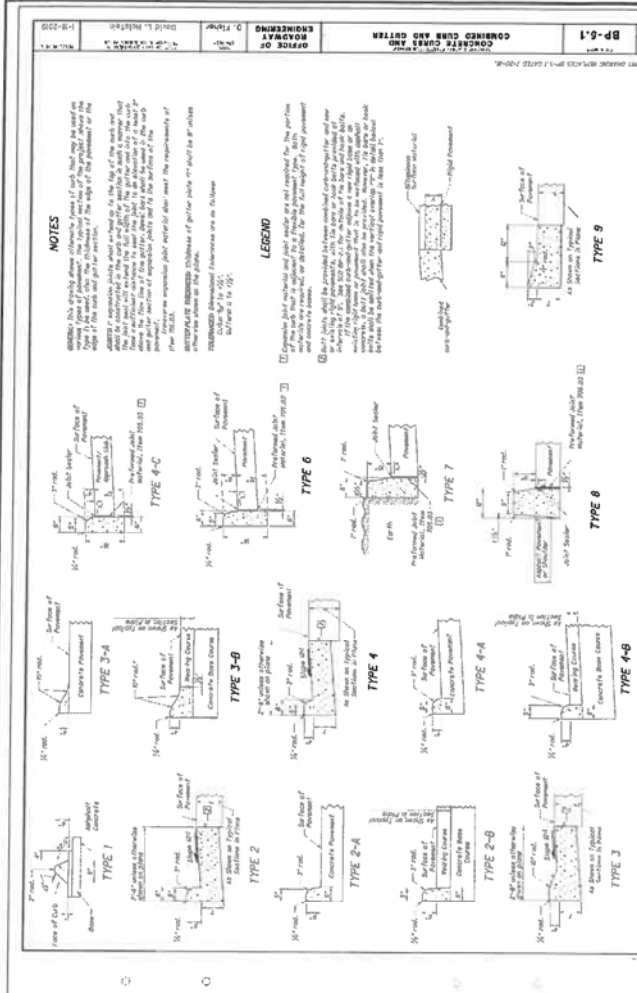
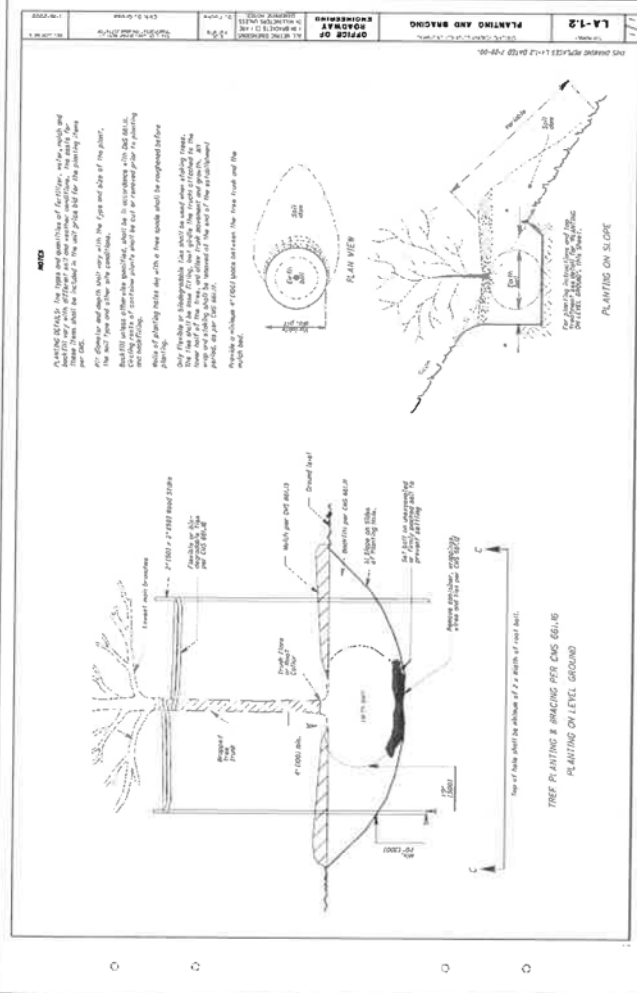
**DUKE ENERGY**

**PAVEMENT REMOVAL AND REPLACEMENT FOR UTILITY TRENCH**

SCALE: N.T.S.

DUKE ENERGY DRAWINGS ARE CONSIDERED CONFIDENTIAL (DM-100) - DRAWING IS CURRENT ONLY THROUGH THE LATEST REVISION DATE - TO INSURE THERE IS NO RISK OF APPROPRIATE DISCLOSURE ALL PREVIOUS PAPER COPIES OF THIS DRAWING MUST BE DESTROYED IN ACCORDANCE WITH RECORDS & INFO. MANAGEMENT PLAN POLICY 1001		SHEET(S) 1 OF X		DWG SCALE NONE	
DATE	REVISION(S) DESCRIPTION	ISSUED FOR PERMITTING	DWG DATE	DATE	SUPERSEDED
11/03/09/2020			02/04/2020		
PROJECT NUMBER	ACCOUNT NUMBER	AREA CODE	DATE	DATE	DATE
1907115	03680	0000200X	0000200X	0000200X	0000200X
DRAWING BY	CHECKED BY	DATE	DATE	DATE	DATE
AKT	AKT	0000200X	0000200X	0000200X	0000200X
DESIGNED BY	CHECKED BY	DATE	DATE	DATE	DATE
AKT	AKT	0000200X	0000200X	0000200X	0000200X
PROJECT NUMBER	ACCOUNT NUMBER	AREA CODE	DATE	DATE	DATE
1907115	03680	0000200X	0000200X	0000200X	0000200X
DRAWING BY	CHECKED BY	DATE	DATE	DATE	DATE
AKT	AKT	0000200X	0000200X	0000200X	0000200X
DESIGNED BY	CHECKED BY	DATE	DATE	DATE	DATE
AKT	AKT	0000200X	0000200X	0000200X	0000200X

PROFESSIONAL ENGINEER/STATE



**FOR PERMITTING PURPOSES ONLY**

**C350 PROJECT RESTORATION DETAILS 2 HAMILTON COUNTY, OHIO**

**DUKE ENERGY**

**PROFESSIONAL ENGINEER'S SEAL**

**REVISIONS**

NO.	DATE	DESCRIPTION
1	03/09/2020	ISSUED FOR PERMITTING

**ENVIRONMENTAL DESCRIPTION**

BY	DATE	DESCRIPTION
ART	CMS/AMP	AREA CODE
ACCOUNT NUMBER	03660	XXX000000
PROJECT NUMBER	1800115	XXX000000
STATION ID	C350	XXX000000
CHECKER INITIALS	CMS	XXX000000

**APPROVALS**

REGIONAL ENGINEER	DATE	INITIALS
		XXX
MAR TECH SEC BTD	DATE	INITIALS
		XXX
REGIONAL PROJECTS	DATE	INITIALS
		XXX

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**SKETCH ( ) 1 OF X DWS SCALE NONE**

**DWG DATE 03/09/2020 SUPERSEDED**

**CONTRACT NUMBER PNG C-350-SK01111**

**REVISION NUMBER P1**

**HAMILTON COUNTY, OHIO**