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November 10, 2023

Via Electronic Filing

Ms. Tanowa Troupe
Administration/Docketing
Public Utilities Commission of Ohio
180 East Broad Street, 11th Floor
Columbus, OH 43215-3793

**Re: Powell Creek Solar, LLC,
OPSB Case No. 20-1084-EL-BGN**

Dear Ms. Troupe:

The July 15, 2021 Opinion, Order, and Certificate (“Certificate”) approving Powell Creek Solar, LLC (“Powell Creek”) Certificate of Environmental Compatibility and Public Need to Construct a solar-powered electric generation facility approved a Stipulation which set forth a number of conditions as part of the Certificate. Within this set of conditions, Condition No. 25 requires in part:

Prior to commencement of construction activities that require transportation permits, Powell Creek shall obtain all such permits.

In compliance with Condition No. 25, attached for filing is a copy of the State of Ohio transportation permits. Please contact me if you have any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read 'KH', is placed above the printed name.

Kara H. Herrnstein

Attachments

Cc: Andrew Conway (w/Attachments)

MR 509
Permit No. 2044-2023-PUT-SR613-10.9/12.1-Avangrid

Office Use Only

State of Ohio
Department of Transportation
Permit

County or Jurisdiction PUT
Rte SR613
Log Pt 10.995-12.007
Acc Cat

[1] Subject to all terms, conditions, and restrictions printed, written below and on the reverse side hereof, or attached,

Name: Avangrid
Address: 2701 NW Vaughn St., Suite 300 Portland OR 97210
Company Phone: 419 619-8873

is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or attached to this permit.

Drive - Commercial - (see attached sheets)

Description of Work: This permit drive application is for a aggregate access drive to the Powell Creek Substation on the South side of SR613 outside of Miller City, OH. This drive is located 1602ft 4in west of Rd13. Avangrid has already issued a bond per previous discussion (many permits open).

[2] This permit shall be in the possession of employees /agents of permittee on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

Contact ODOT Representative 3 days before work begins, also contact ODOT Representative when work is completed for final inspection.

Failure to notify the ODOT Representative could result in work stoppage!

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

Matt Pickering
Matt.Pickering@dot.ohio.gov
419-549-6587
District 1 Utility Coordinator / Permits
Business hours: Monday - Thursday 6:00am to 4:30pm

NOTE: Any work performed by the permittee may be stopped if this requirement is not met.

[4] Prior to any excavation in the highway right-of-way, the Ohio811, <https://www.oups.org/excavators>, must be contacted in accordance with ORC Section 3781.25 to 3781.32. Ohio811 can be reached at 1-800-362-2764 or 811.

[5] If your utility is above ground in any way, you must mark your utility with a fluorescent colored marker that corresponds with the universal OUPS color code. The marker must be no shorter than six feet in height and you must maintain the marker. Guide wires must be marked a fluorescent yellow. Failure to mark as described, will result in the Department of Transportation being held harmless and no reimbursement for damage to your property.

[6] All work requiring persons or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Uniform Traffic Control Devices and Item 614 (Maintaining Traffic) of the Construction and Material Specifications, latest editions. Failure to comply with these requirements will be cause for immediate revocation or suspension of the permit until the proper traffic control devices have been provided.

[7] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure to comply fully with those conditions, terms, and requirements or any change in the use of the permit inconsistent with its terms and conditions will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Department action, up to an including removal of the installation at the permittee's expense.

[8] Performance Bond Required? ☐ existing ☐ Yes ☐ No Company _____
Effective Date _____ Expiration Date _____ Amount \$ _____

[9] This permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 05/01/2024

Dated 10/30/2023

Rev 5/6/2021

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**General Provisions Applicable to All Permits
(Sections 5515.01 and 5515.02 of O.R.C.)**

- [1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.
- [2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation and within the time determined by the Director. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of the state highway.
- [3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.
- [4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee or its agent performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct or remove such work and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all results of such work.
- [5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, its employees, agents, or assigns as a result of the issuance of this permit.
- [6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's determination and given an opportunity to correct the problem. If the problem is not corrected timely or to the satisfaction of the Department, this permit will be revoked.
- [7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.
- [8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.

[9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage and any materials such as pipes and tiles damaged during any installation or repair by the permittee or its employees or agents shall be repaired immediately at the sole cost of the permittee. Permittee shall timely notify the Department of any such damage and repairs thereto. Failure of the permittee to immediately repair the damage after it is discovered shall result in the Department performing the repair and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all the results of such work which may include removal of the permittee's facilities.

[10] Any damage to ODOT or another's property caused by the work shall be repaired by the permittee or permittee's agent or contractor in a timely manner and at the sole cost of permittee. If any emergency repairs to ODOT property are needed that cannot be performed by the permittee or permittee's agent or contractor, ODOT shall cause the repairs to be performed at the sole cost of permittee.

[11] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.

[12] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.

[13] All pole lines are to be built in accordance with Rule 4901:3-1-08 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.

[14] All underground utilities shall be installed at a depth and horizontal distance from the road surface and any appurtenances in accordance with state and national safety standards and as pre-approved by the Department. After installation, the exact location of the utility shall be provided to the Department. The Department shall be held harmless for any damage to utilities due to insufficient or inaccurate installation or identification and all repairs shall be at the sole cost of the permittee.

[15] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.

[16] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and any successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.

[17] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:

(1) No person on the grounds of race, color, or national origin, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the utility/facilities/ services of the permittee.

(2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.

(3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. DOT — Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(4) In the event that this instrument grants a lease, license, or permit and any of the above non-discrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

This permit is granted subject to the following attached conditions:

This permit drive application is for the access drive to the Powell Creek Substation on the South side of SR613 outside of Miller City, OH. This drive is located 1602ft 4in west of Rd13. Avangrid has already issued a bond per previous discussion (many permits open).

(the remainder of this page is left blank intentionally)



NOTES

1. FOR GENERAL NOTES AND LEGEND AS APPLICABLE, REFER COVER SHEET DRAWING PCS-C-DS-820-00.

LEGEND

STATE ROAD

COUNTY ROAD

NEW PERMANENT DRIVEWAY

NEW TEMPORARY DRIVEWAY

EXISTING BRIDGE

LAYDOWN AREA (LA)

AVOIDANCE AREA

SECURITY FENCE

PROPERTY LINE

SUBSTATION SECURITY FENCE

NOT TO BE USED
FOR CONSTRUCTION

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT
CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE
USER SHALL VERIFY TRACEABILITY OF THIS DRAWING
TO THE LATEST CONTROLLED VERSION.

NO.	REVISIONS	DATE	BY	CHK	APR
A	ISSUED FOR IN-HOUSE REVIEW	14/SEP/23	BBG	AVN	AJC
O	ISSUED FOR PERMITTING	03/OCT/23	BBG	AVN	AJC

NO.	REVISIONS	DATE	BY	CHK	APR

BLACK & VEATCH

11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER 004 01645

500' 250' 0 500' 1000'

1"=500'

I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED PRO-
FESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF OHIO

ANDY NGUYEN

DATE 10/03/23 REG NO. PE-89364

AVANGRID
RENEWABLES

ENGINEERING RECORD	DATE
DRAWN: BBG	03/OCT/23
DESIGNED: CBA	03/OCT/23
CHECKED: AVN	03/OCT/23
APPROVED: AJC	03/OCT/23

CADFILE: PCS-C-DS-820-05

POWELL CREEK SOLAR, LLC
POWELL CREEK PV SOLAR PROJECT
DRIVEWAYS - TEMPORARY
AND PERMANENT ACCESS PLAN

SCALE: 500'=1"

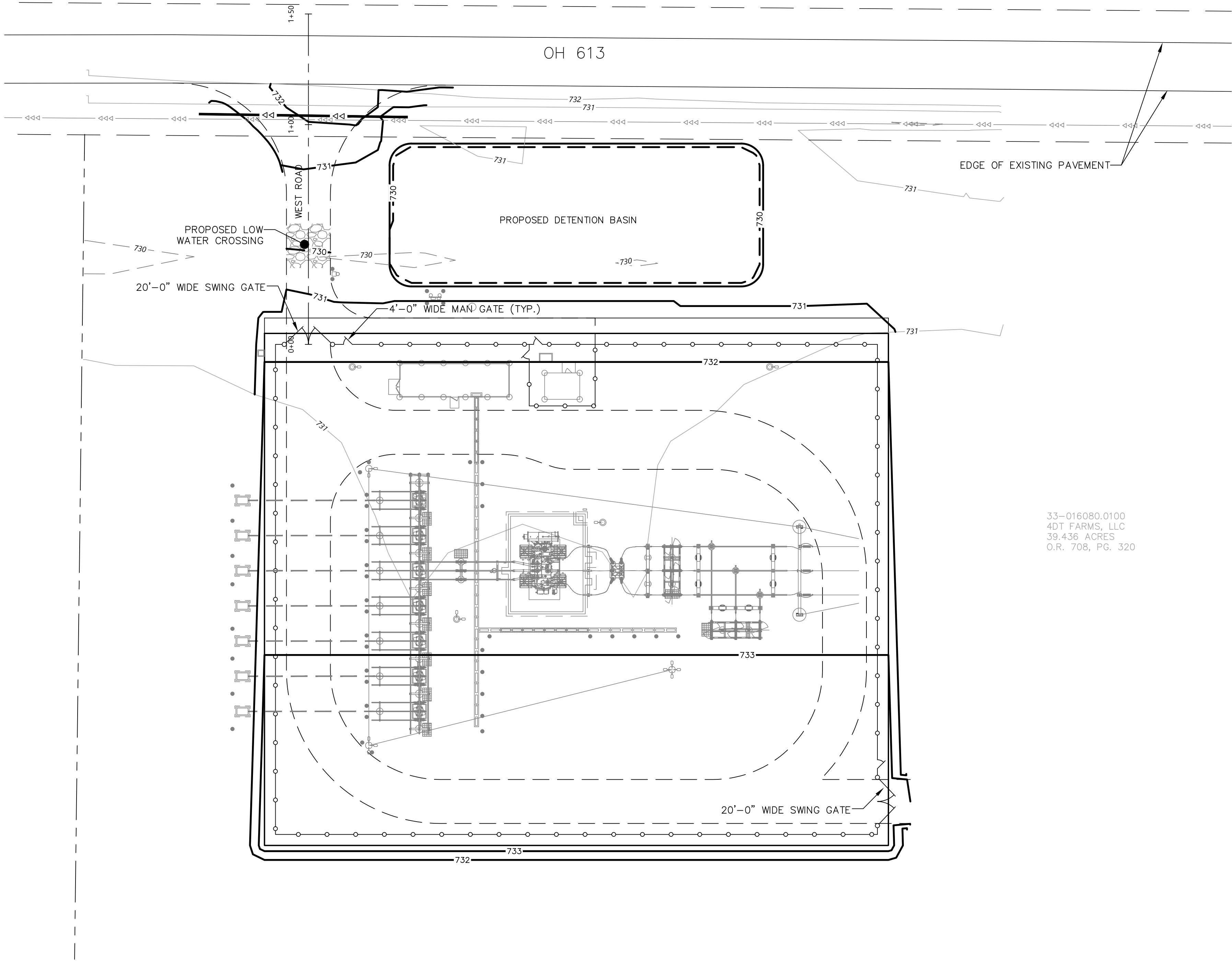
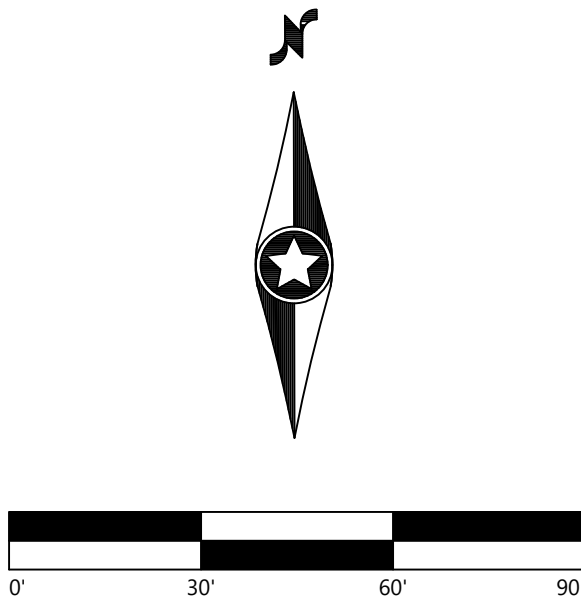
DWG NO. PCS-C-DS-820-05

SHEET 01

REV 0

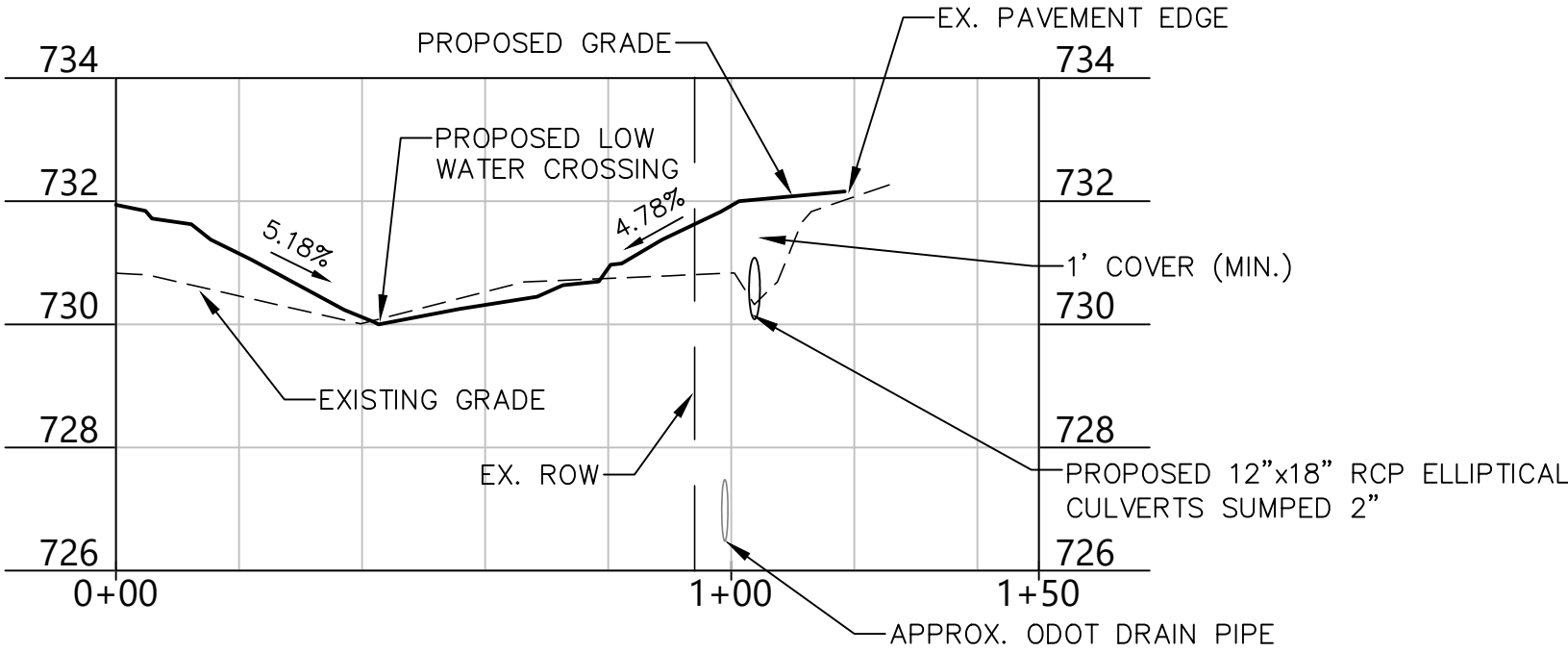
LEGEND:

- PROPOSED SECURITY FENCE
- PROPOSED SUBSTATION PAD EDGE
- PROPOSED SUBSTATION ACCESS EDGE
- PROPOSED CULVERT
- APPROXIMATE PARCEL LINE
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- RIGHT-OF-WAY
- APPROX. EXISTING ODOT DRAIN PIPE



33-016080.0100
4DT FARMS, LLC
39.436 ACRES
O.R. 708, PG. 320

West Road - Sta. 0+00 to 1+50



ISSUED FOR CONSTRUCTION

NO.	REVISIONS	DATE	BY	CHK	APR
00	ISSUED FOR CONSTRUCTION	10/16/23	SB	BM	JD

NO.	REVISIONS	DATE	BY	CHK	APR

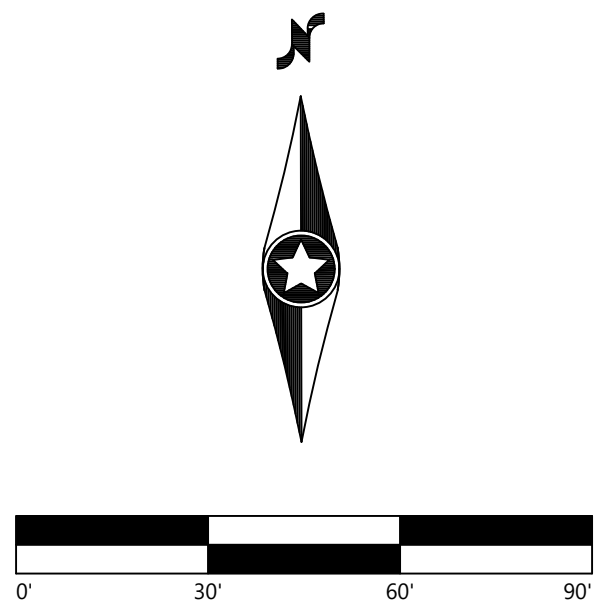


Westwood
Phone (952) 937-5150 12701 Whitewater Drive, Suite #300
Fax (952) 937-5822 Minnetonka, MN 55343
Toll Free (888) 937-5150 westwoodps.com
Westwood Professional Services, Inc.



ENGINEERING RECORD	DATE
DRAWN: SB	10/16/23
DESIGNED: SB	10/16/23
CHECKED: BM	10/16/23
APPROVED: JD	10/16/23

POWELL CREEK SOLAR PROJECT
138-34.5kV COLLECTOR SUBSTATION
ACCESS ROAD PLAN AND PROFILE


























BORING LOCATIONS

POWELL CREEK SOLAR PROJECT
138-34.5kV COLLECTOR SUBSTATION
SITE LAYOUT & DIMENSION PLAN

POWELL CREEK SOLAR PROJECT 138-34.5kV COLLECTOR SUBSTATION SITE LAYOUT & DIMENSION PLAN			
SCALE: 1" = 30'	DWG.NO. PCS-C-111	SHEET 1 OF 6	REV 00

Table 6H-2. Meaning of Symbols on Typical Application Diagrams

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work Vehicle
	Pavement markings that should be removed for a long-term project		

TA-10

Lane ~~for~~ closure

OF A TWO LANE

ROAD - WITH FLAGGERS

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs (Feet) **		
	A	B	C
Urban (low speed) *	100	100	100
Urban (high speed) *	350	350	350
Rural	500	500	500
Expressway / Freeway	1,000	1,500	2,640

* Speed category to be determined by highway agency.

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6H-4. Formulas for Determining Taper Lengths

Speed (S)	Taper Length (L) in Feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Notes for Figure 6H-10—Typical Application 10
Lane Closure on a Two-Lane Road Using Flaggers

Option:

1. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.

Guidance:

4. *The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.*

Standard:

5. **At night, flagger stations shall be illuminated, except in emergencies.**

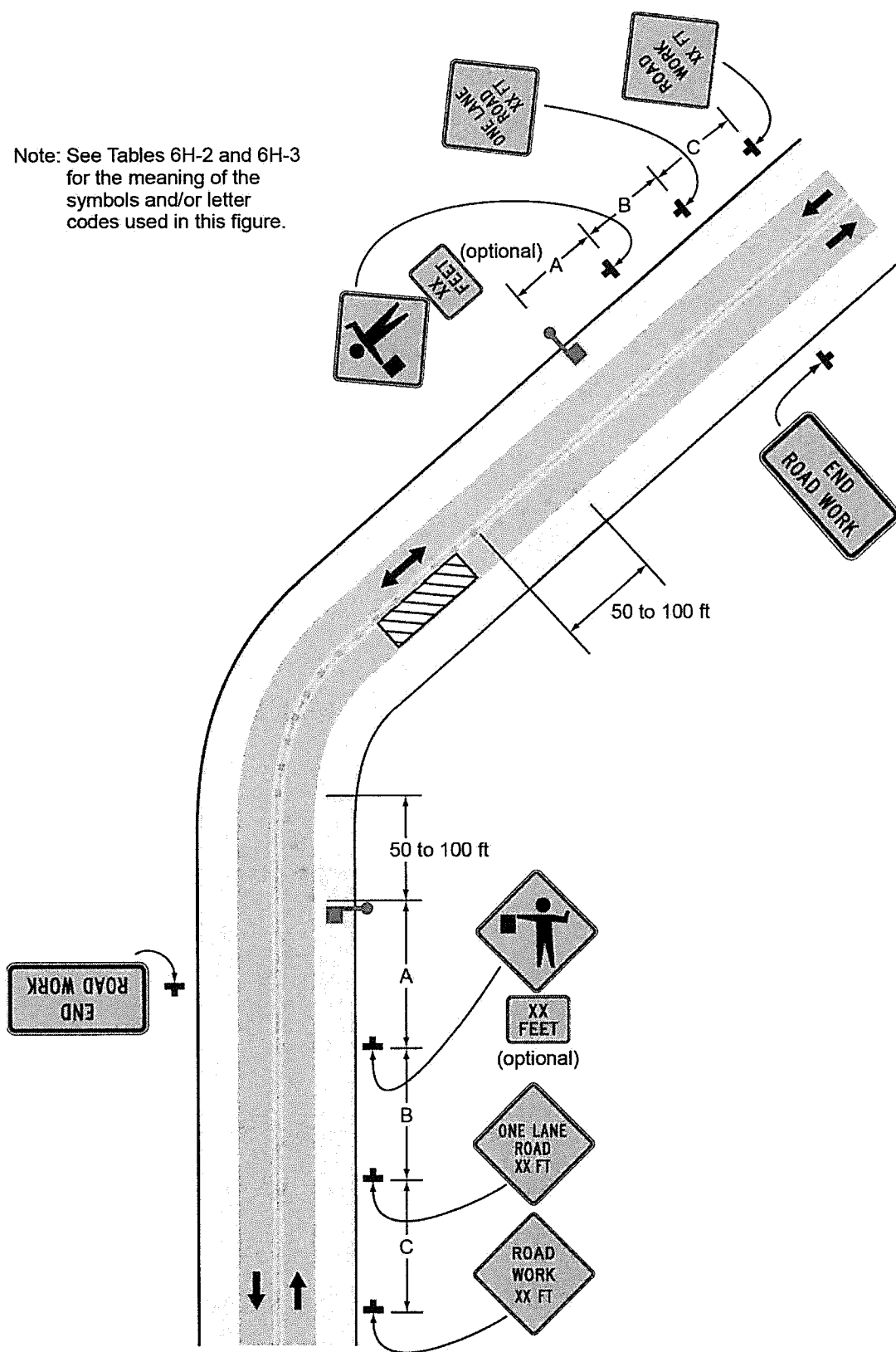
Guidance:

6. *When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the ONE LANE ROAD sign.*
7. *When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing.*
8. *When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.*
9. *When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the right-hand side of the normal center line.*
10. *Early coordination with the railroad company or light rail transit agency should occur before work starts.*

Option:

11. A flagger or a uniformed law enforcement officer may be used at the grade crossing to minimize the probability that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the outside rails.

Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10)

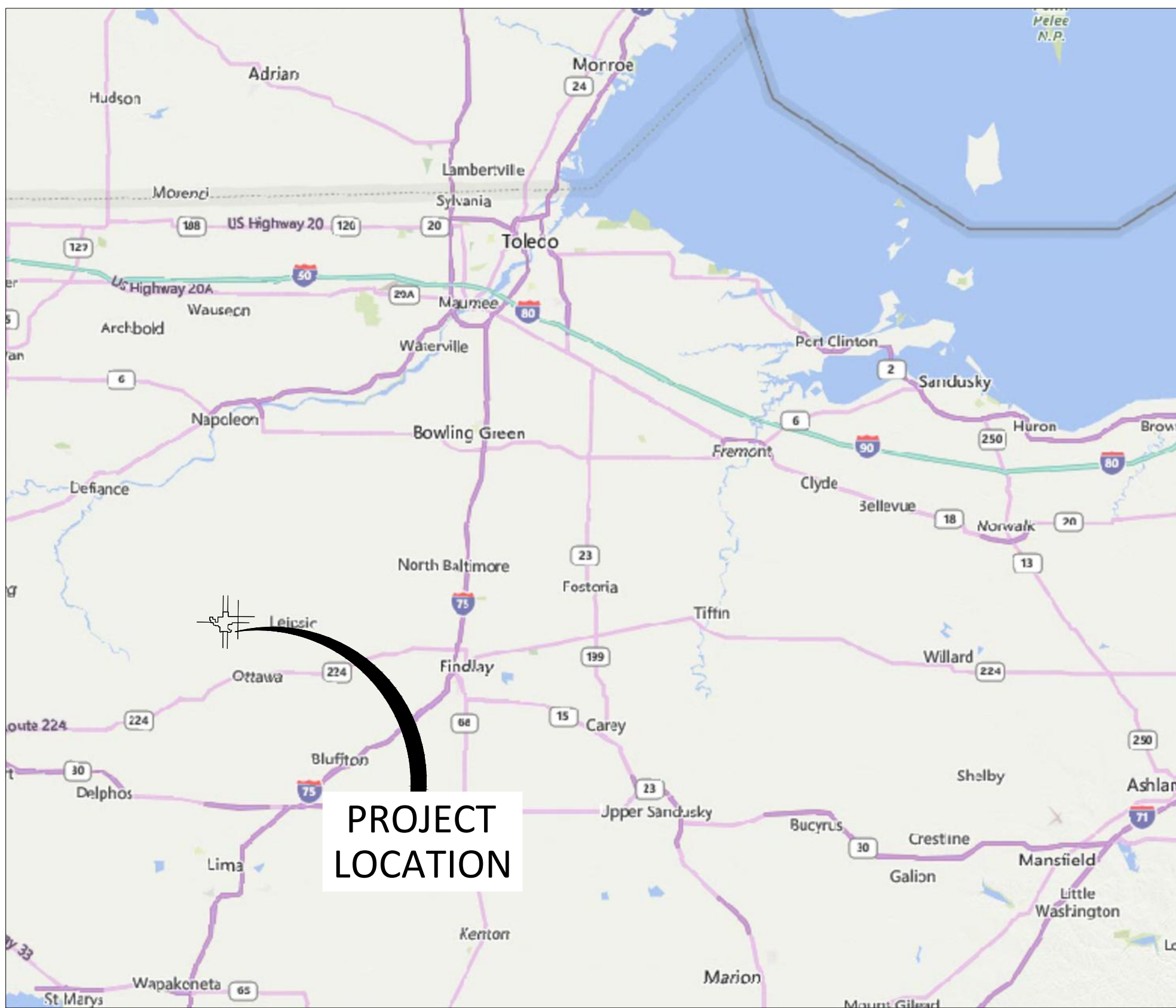


Typical Application 10

POWELL CREEK SOLAR PROJECT

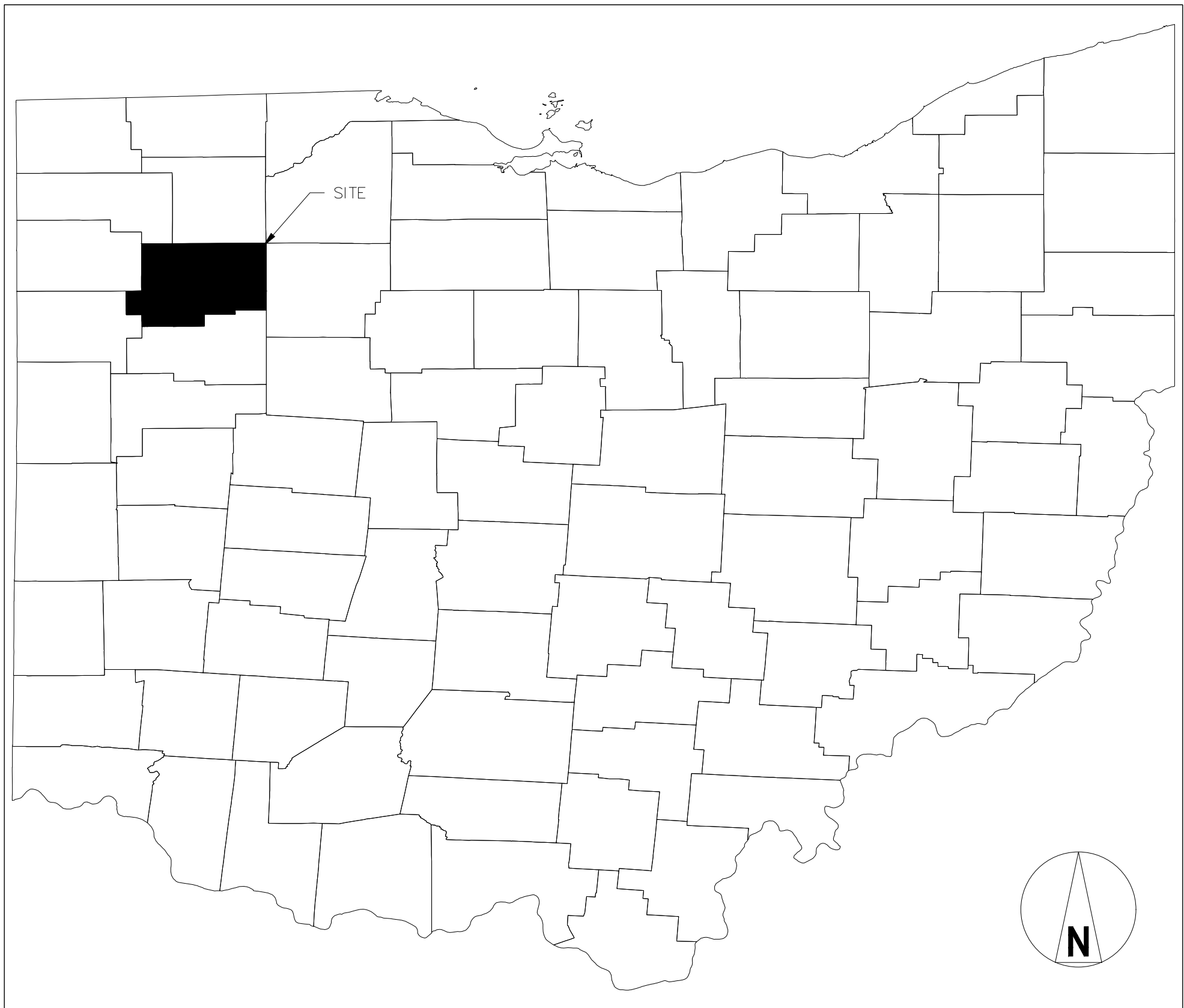
PUTNAM COUNTY, OHIO

CIVIL SET



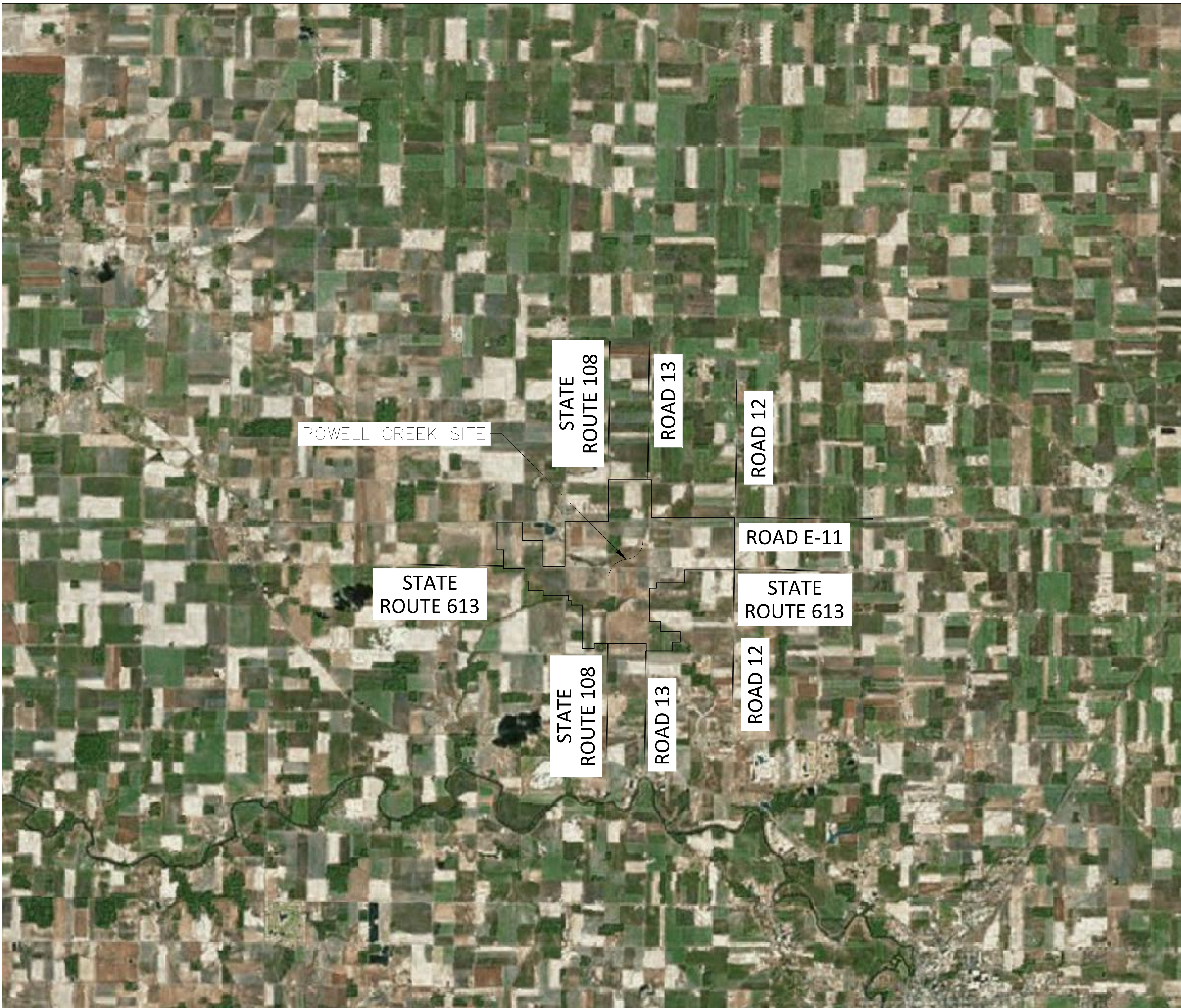
VICINITY MAP

NO SCALE



STATE MAP

NO SCALE



SITE MAP

NO SCALE

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF OHIO

SIGNED _____ XX

DATE ____XX/XX/XX____ REG NO. _____ XX

THIS RECORD DOCUMENT IS A COMPILED REPRESENTATION OF THE CONSTRUCTED PROJECT. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE TO THE BEST OF THE ENGINEERS KNOWLEDGE, THE ACCURACY CANNOT BE GUARANTEED AND SHALL BE VERIFIED IF USED BY OTHERS FOR ANY REASON OR PURPOSE BEYOND COMPLETION OF THE ORIGINAL PROJECT.

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE USER SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE LATEST CONTROLLED VERSION.

COVER SHEET INDEX	
SHEET NUMBER	SHEET TITLE
PCS-C-DS-B20-00	POWELL CREEK PV SOLAR PROJECT PUTNAM CO AND ODOT DRIVEWAY COVER SHEET
PCS-C-DS-B20-01	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS PLANS - 1
PCS-C-DS-B20-02	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS PLANS - 2
PCS-C-DS-B20-03	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS PLANS - 3
PCS-C-DS-B20-04	POWELL CREEK SOLAR DRIVEWAY - TYP. DETAILS AND SECTIONS
PCS-C-DS-B20-05	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS - TEMPORARY AND PERMANENT ACCESS PLAN

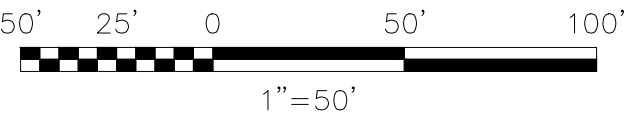
APPLICANTS/LESSEE/PROJECT DEVELOPER:

ENGINEER:
BLACK & VEATCH CORPORATION
11401 LAMAR AVE
OVERLAND PARK, KS 66211
CONTACT: _____

NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
1	ISSUED FOR IN-HOUSE REVIEW	24/AUG/23	BBG	AVN	AJC						
2	ISSUED FOR PERMITTING	03/OCT/23	BBG	AVN	AJC						



11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER COA.01645



I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF OHIO

SIGNED _____ ANDY NGUYEN
DATE ____10/03/23____ REG NO. ____PE-89364____



ENGINEERING RECORD	DATE
DRAWN: BBG	03/OCT/23
DESIGNED: CBA	03/OCT/23
CHECKED: AVN	03/OCT/23
APPROVED: AJC	03/OCT/23
CADFILE: PCS-C-DS-B20-00	SCALE: NO SCALE [DWG: NO PCS-C-DS-B20-00] SHEET 01

POWELL CREEK SOLAR, LLC
POWELL CREEK PV SOLAR PROJECT
DRIVEWAY - COVER SHEET
AND SHEET INDEX

REV 0

MR 509
Permit No. 2045-2023-PUT-SR613-10.9/12.1-Avangrid

Office Use Only

State of Ohio
Department of Transportation
Permit

County or Jurisdiction PUT
Rte SR613
Log Pt 10.995-12.007
Acc Cat

[1] Subject to all terms, conditions, and restrictions printed, written below and on the reverse side hereof, or attached,

Name: Avangrid
Address: 2701 NW Vaughn St., Suite 300 Portland OR 97210
Company Phone: 419 619-8873

is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or attached to this permit.

Drive - Commercial - (see attached sheets)

Description of Work: This permit application is for the drive accessing the Powell Creek Solar Laydown yard on the South side of SR613 just outside of Miller City, OH. This drive is 1043ft 5" west of Rd 13. Avangrid already has a bond in place under previous permits issued (many permits open for this project). The specific drive exhibit is the bottom right exhibit on Drawing PCS-C-DS-820-03_R0.

[2] This permit shall be in the possession of employees /agents of permittee on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

Contact ODOT Representative 3 days before work begins, also contact ODOT Representative when work is completed for final inspection.

Failure to notify the ODOT Representative could result in work stoppage!

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

Matt Pickering
Matt.Pickering@dot.ohio.gov
419-549-6587
District 1 Utility Coordinator / Permits
Business hours: Monday - Thursday 6:00am to 4:30pm

NOTE: Any work performed by the permittee may be stopped if this requirement is not met.

[4] Prior to any excavation in the highway right-of-way, the Ohio811, <https://www.oups.org/excavators>, must be contacted in accordance with ORC Section 3781.25 to 3781.32. Ohio811 can be reached at 1-800-362-2764 or 811.

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[7] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure to comply fully with those conditions, terms, and requirements or any change in the use of the permit inconsistent with its terms and conditions will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Department action, up to an including removal of the installation at the permittee's expense.

[8] Performance Bond Required? ☐ existing ☐ Yes ☐ No Company _____
Effective Date _____ Expiration Date _____ Amount \$ _____

[9] This permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 05/01/2024

Dated 10/30/2023

Rev 5/6/2021

(the remainder of this page is left blank intentionally)

General Provisions Applicable to All Permits
(Sections 5515.01 and 5515.02 of O.R.C.)

- [1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.
- [2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation and within the time determined by the Director. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of the state highway.
- [3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.
- [4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee or its agent performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct or remove such work and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all results of such work.
- [5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, its employees, agents, or assigns as a result of the issuance of this permit.
- [6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's determination and given an opportunity to correct the problem. If the problem is not corrected timely or to the satisfaction of the Department, this permit will be revoked.
- [7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.
- [8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.

[9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage and any materials such as pipes and tiles damaged during any installation or repair by the permittee or its employees or agents shall be repaired immediately at the sole cost of the permittee. Permittee shall timely notify the Department of any such damage and repairs thereto. Failure of the permittee to immediately repair the damage after it is discovered shall result in the Department performing the repair and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all the results of such work which may include removal of the permittee's facilities.

[10] Any damage to ODOT or another's property caused by the work shall be repaired by the permittee or permittee's agent or contractor in a timely manner and at the sole cost of permittee. If any emergency repairs to ODOT property are needed that cannot be performed by the permittee or permittee's agent or contractor, ODOT shall cause the repairs to be performed at the sole cost of permittee.

[11] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.

[12] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.

[13] All pole lines are to be built in accordance with Rule 4901:3-1-08 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.

[14] All underground utilities shall be installed at a depth and horizontal distance from the road surface and any appurtenances in accordance with state and national safety standards and as pre-approved by the Department. After installation, the exact location of the utility shall be provided to the Department. The Department shall be held harmless for any damage to utilities due to insufficient or inaccurate installation or identification and all repairs shall be at the sole cost of the permittee.

[15] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.

[16] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and any successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.

[17] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:

(1) No person on the grounds of race, color, or national origin, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the utility/facilities/ services of the permittee.

(2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.

(3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. DOT — Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(4) In the event that this instrument grants a lease, license, or permit and any of the above non-discrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

This permit is granted subject to the following attached conditions:

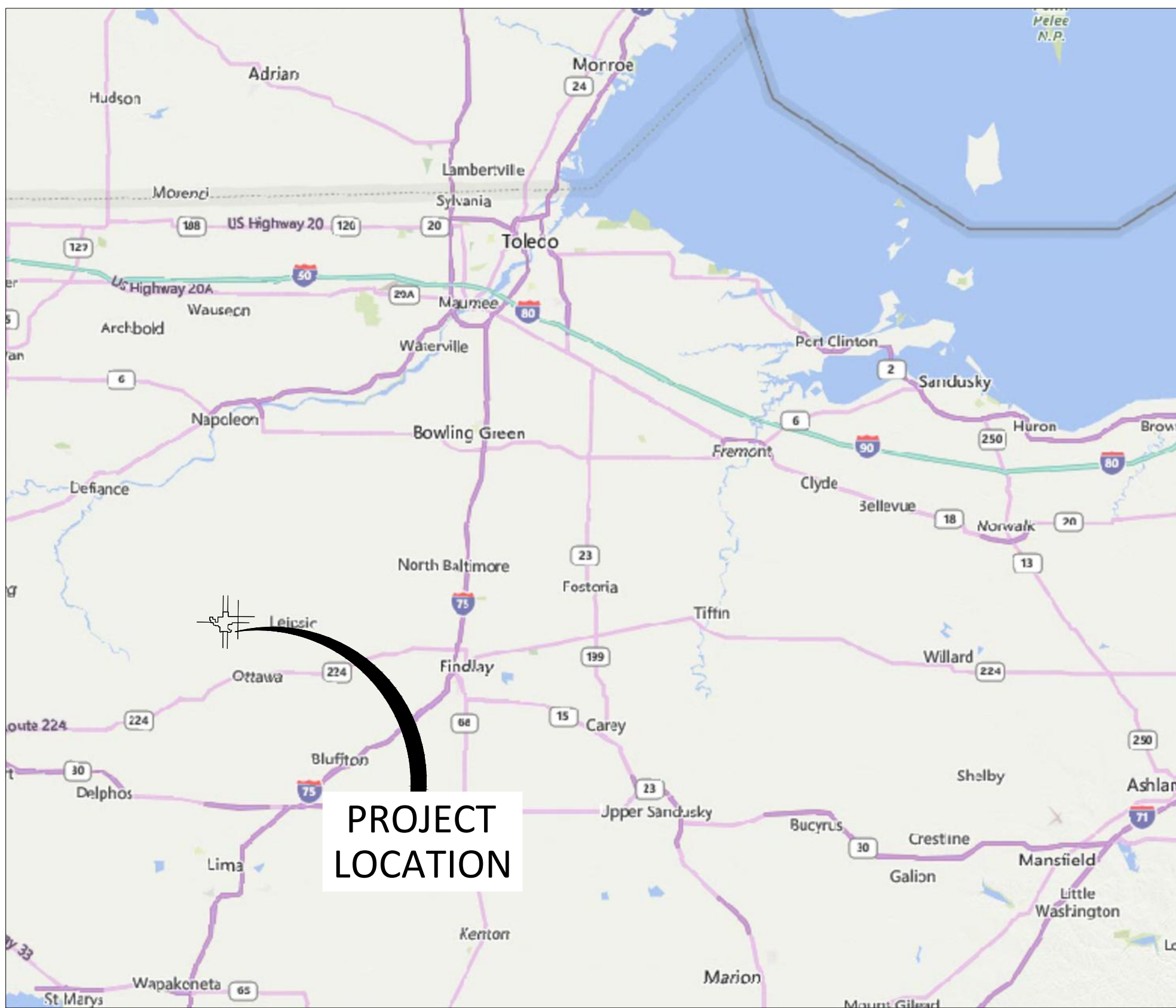
This permit application is for the drive accessing the Powell Creek Solar Laydown yard on the South side of SR613 just outside of Miller City, OH. This drive is 1043ft 5" west of Rd 13. Avangrid already has a bond in place under previous permits issued (many permits open for this project). The specific drive exhibit is the bottom right exhibit on Drawing PCS-C-DS-820-03_R0.

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POWELL CREEK SOLAR PROJECT

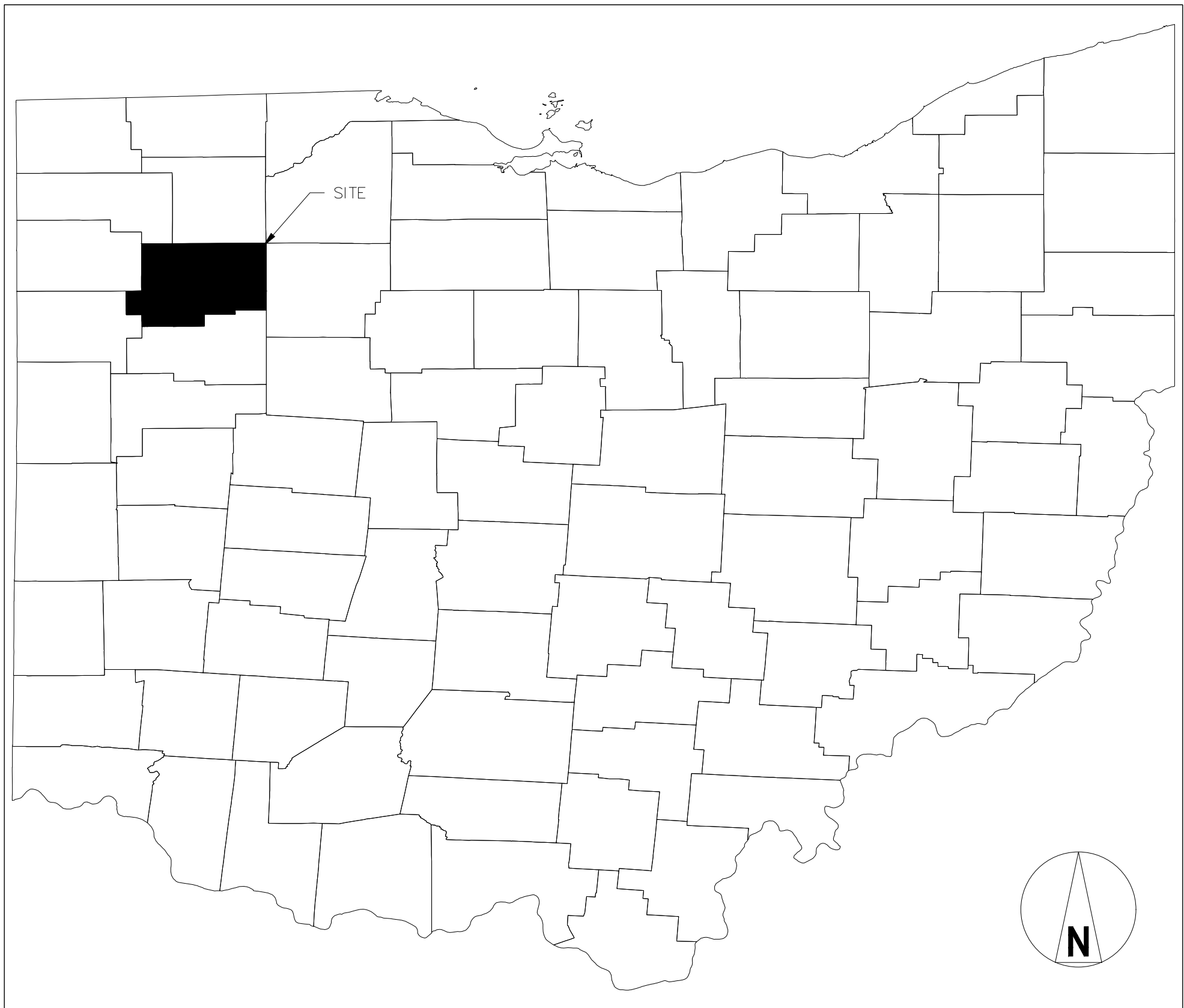
PUTNAM COUNTY, OHIO

CIVIL SET



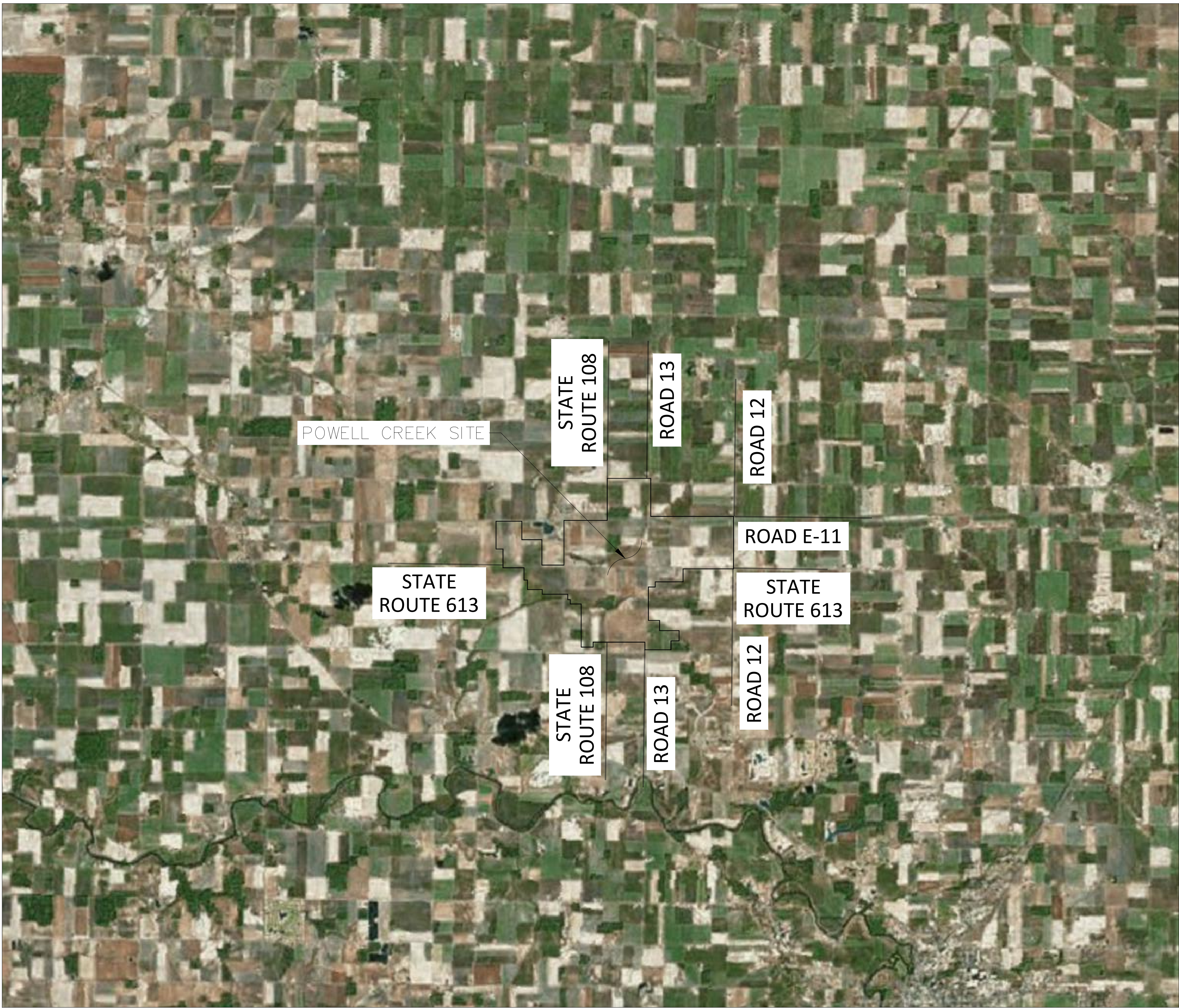
VICINITY MAP

NO SCALE



STATE MAP

NO SCALE



SITE MAP

NO SCALE

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF OHIO

SIGNED _____ XX

DATE ____XX/XX/XX____ REG NO. _____ XX

THIS RECORD DOCUMENT IS A COMPILED REPRESENTATION OF THE CONSTRUCTED PROJECT. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE TO THE BEST OF THE ENGINEERS KNOWLEDGE, THE ACCURACY CANNOT BE GUARANTEED AND SHALL BE VERIFIED IF USED BY OTHERS FOR ANY REASON OR PURPOSE BEYOND COMPLETION OF THE ORIGINAL PROJECT.

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE USER SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE LATEST CONTROLLED VERSION.

COVER SHEET INDEX	
SHEET NUMBER	SHEET TITLE
PCS-C-DS-B20-00	POWELL CREEK PV SOLAR PROJECT PUTNAM CO AND ODOT DRIVEWAY COVER SHEET
PCS-C-DS-B20-01	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS PLANS - 1
PCS-C-DS-B20-02	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS PLANS - 2
PCS-C-DS-B20-03	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS PLANS - 3
PCS-C-DS-B20-04	POWELL CREEK SOLAR DRIVEWAY - TYP. DETAILS AND SECTIONS
PCS-C-DS-B20-05	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS - TEMPORARY AND PERMANENT ACCESS PLAN

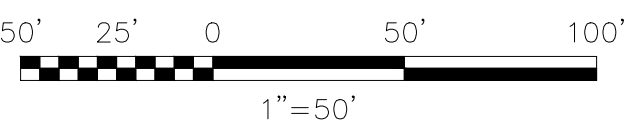
APPLICANTS/LESSEE/PROJECT DEVELOPER:

ENGINEER:
BLACK & VEATCH CORPORATION
11401 LAMAR AVE
OVERLAND PARK, KS 66211
CONTACT: _____

NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
1	ISSUED FOR IN-HOUSE REVIEW	24/AUG/23	BBG	AVN	AJC						
2	ISSUED FOR PERMITTING	03/OCT/23	BBG	AVN	AJC						



11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER COA.01645



I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF OHIO

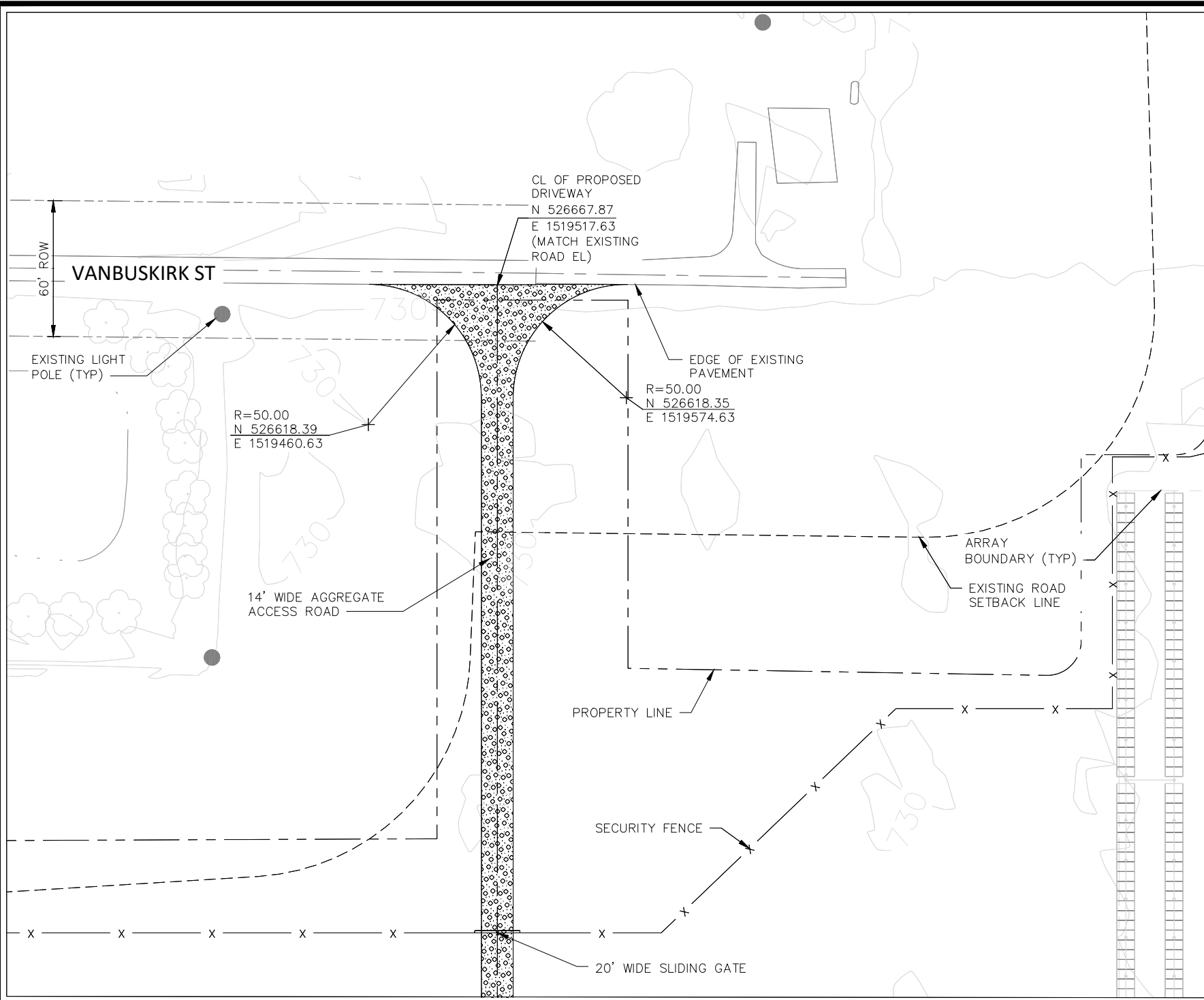
SIGNED _____ ANDY NGUYEN
DATE ____10/03/23____ REG NO. ____PE-89364____



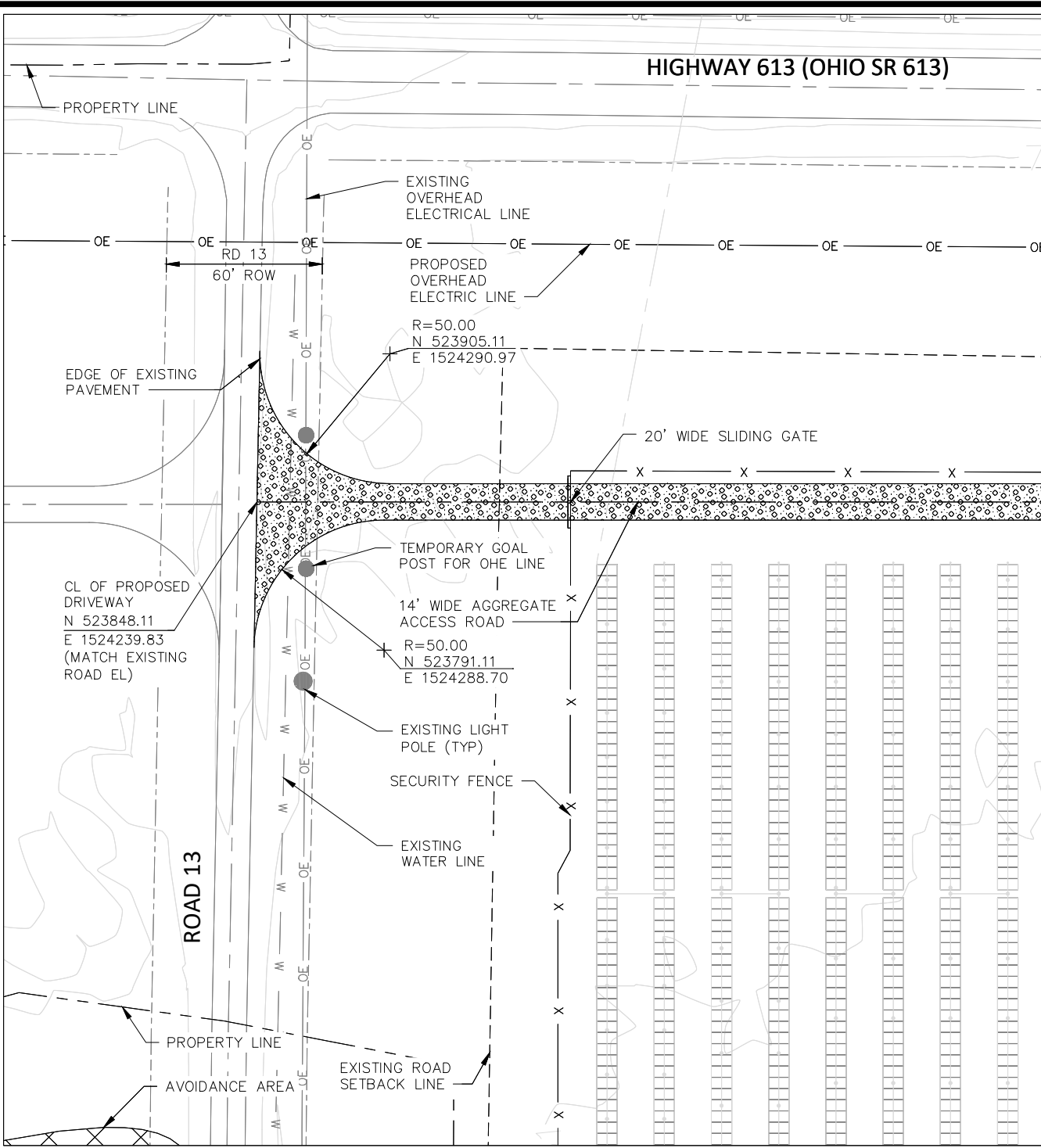
ENGINEERING RECORD	DATE
DRAWN: BBG	03/OCT/23
DESIGNED: CBA	03/OCT/23
CHECKED: AVN	03/OCT/23
APPROVED: AJC	03/OCT/23
CADFILE: PCS-C-DS-B20-00	SCALE: NO SCALE [DWG: NO. PCS-C-DS-B20-00] SHEET 01

POWELL CREEK SOLAR, LLC
POWELL CREEK PV SOLAR PROJECT
DRIVEWAY - COVER SHEET
AND SHEET INDEX

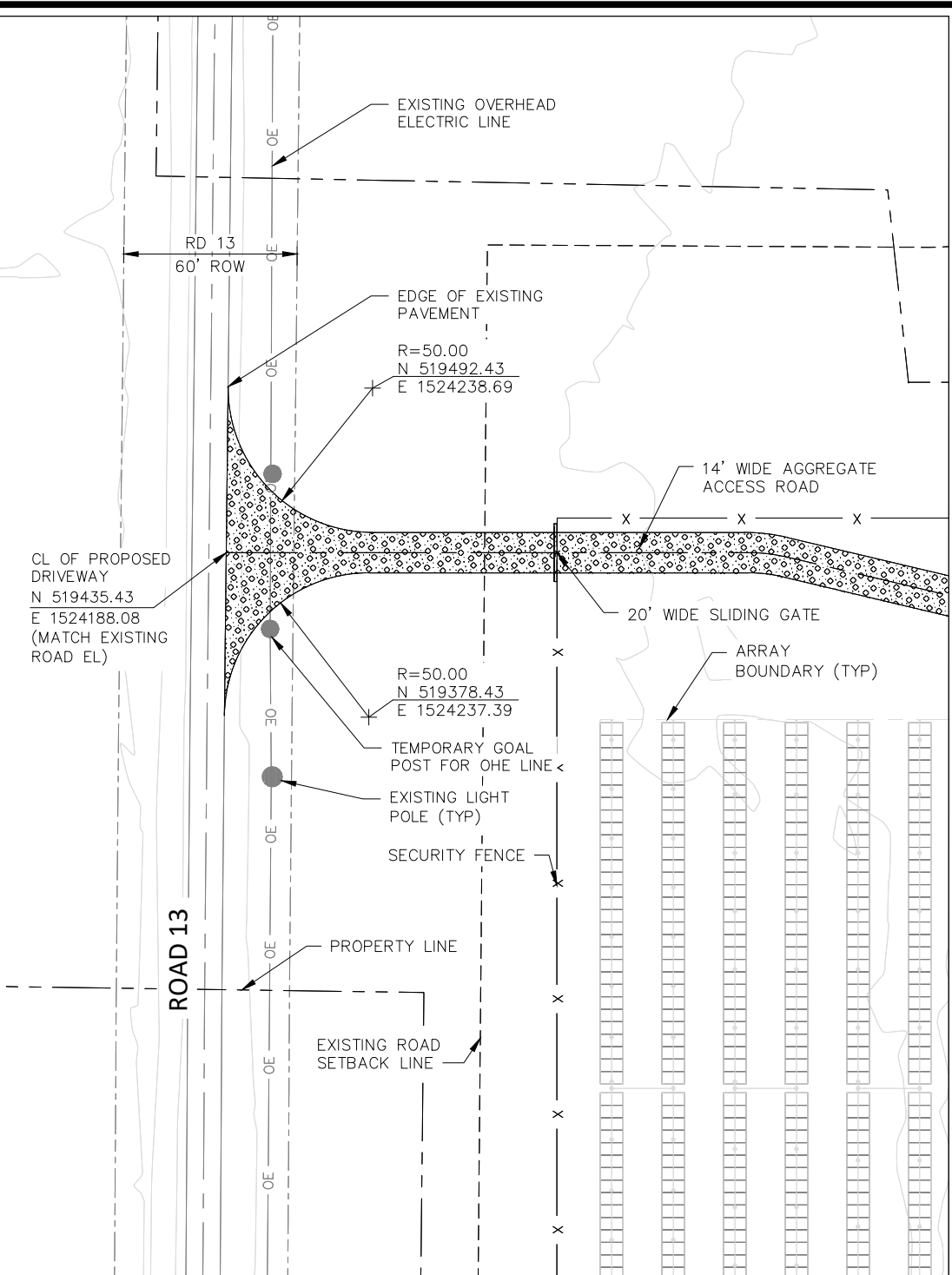
REV 0



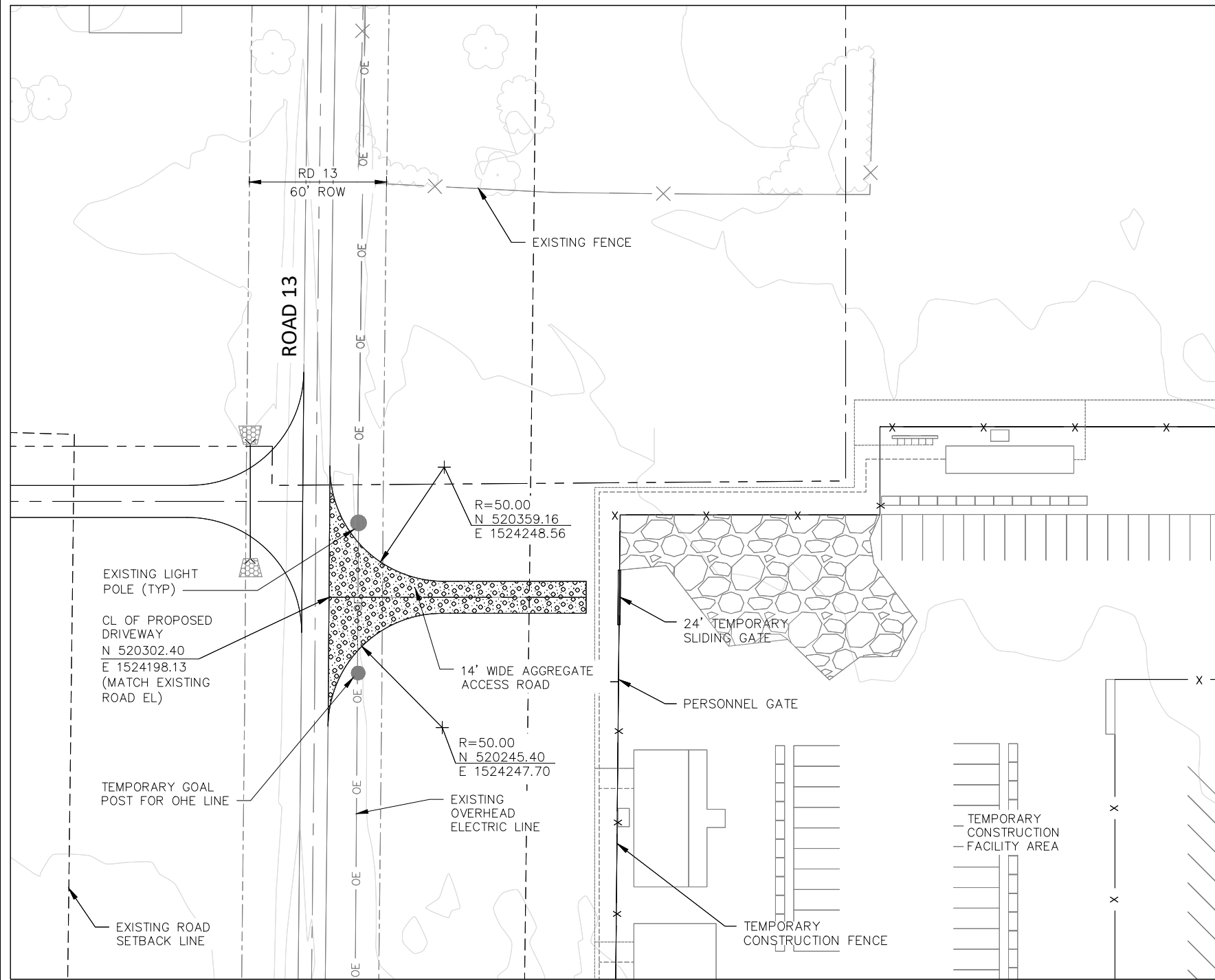
ACCESS ROAD TO BLOCK 7-2 & BLOCK 7-3
FROM VANBUSKIRK ST



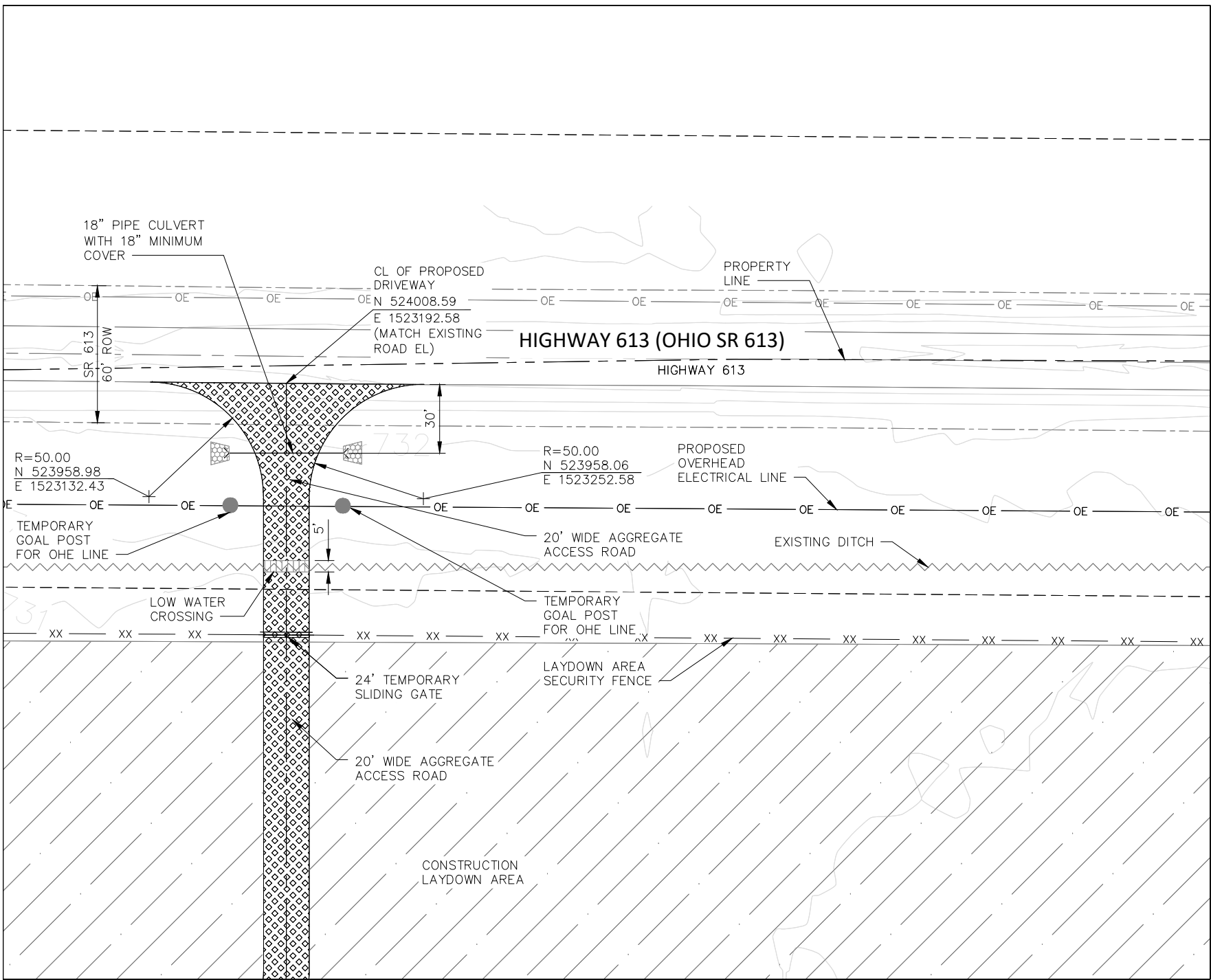
ACCESS ROAD TO BLOCK 3-1B
FROM RD 13



ACCESS ROAD TO BLOCK 4-4
FROM RD 13



ACCESS ROAD TO TEMPORARY
CONSTRUCTION OFFICES AND LAYDOWN
FROM RD 13



ACCESS ROAD TO CONSTRUCTION LAYDOWN
AREA NEAR BLOCK 4-1, SUBSTATION AND
O&M BUILDING FROM HWY 613

NOTES

1. FOR GENERAL NOTES AND LEGEND AS APPLICABLE, REFER COVER SHEET DRAWING PCS-C-DS-820-00.



LEGEND

---	NEW PERMANENT ROAD	●	TEMPORARY GOAL POST FOR OHE LINE
-X-X-	NEW SECURITY FENCE	●	EXISTING LIGHT POLE
-OE-OE-	NEW TEMPORARY/ PROPOSED ELECTRIC OVERHEAD LINE	●	NEW LIGHT POLE
---	PROPERTY LINE	●	NEW CULVERT
---	SETBACK LINE	●	NEW CULVERT
-X-X-X-X-	ARRAY BOUNDARY	●	CONSTRUCTION LAYDOWN AREA
---	TEMPORARY FENCE	●	FEMA ZONE
---	EXISTING ROAD	●	8" NON-REINFORCED CONCRETE DRIVEWAY (4000 PSI)
-X-X-	EXISTING FENCE	●	SEDIMENT TRAP
---	DELINEATED STREAM (50' SETBACK)	●	LOW WATER CROSSING
-OE-OE-	EXISTING OVERHEAD ELECTRIC LINE	●	AVOIDANCE AREA
-DT-DT-	EXISTING DRAIN TILE	●	EXISTING CONTOUR
-W-W-	EXISTING WATER LINE	●	
---	14' WIDE AGGREGATE ACCESS ROAD	●	
---	20' WIDE AGGREGATE ACCESS ROAD	●	
---	EXISTING DITCH	●	

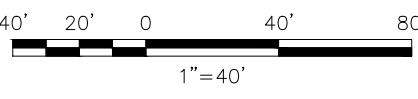
NOT TO BE USED
FOR CONSTRUCTION

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NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
A	ISSUED FOR IN-HOUSE REVIEW	11/AUG/23	BBG	AVN	AJC						
O	ISSUED FOR PERMITTING	09/OCT/23	BBG	AVN	AJC						



11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER 00401645



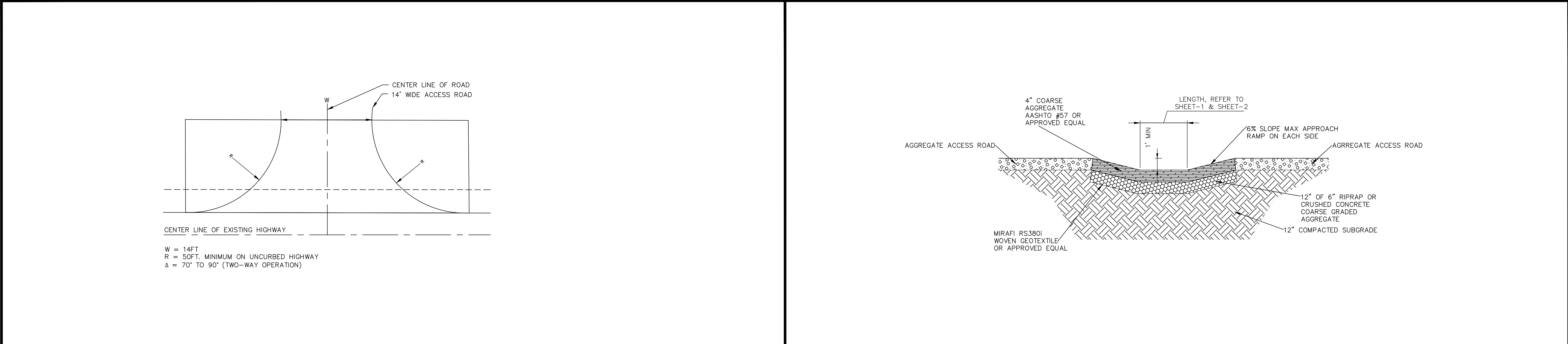
I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED PRO-
FESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF OHIO
ANDY NGUYEN
DATE 10/09/23 REG NO. PE-89364



ENGINEERING RECORD	DATE
DRAWN: BBG	09/OCT/23
DESIGNED: CBA	09/OCT/23
CHECKED: AVN	09/OCT/23
APPROVED: AJC	09/OCT/23

POWELL CREEK SOLAR, LLC
POWELL CREEK PV SOLAR PROJECT
DRIVEWAYS PLANS - 3

CADFILE: PCS-C-DS-820-03	SCALE: 40'=1"	DWG NO: PCS-C-DS-820-03	SHEET 01	REV 0
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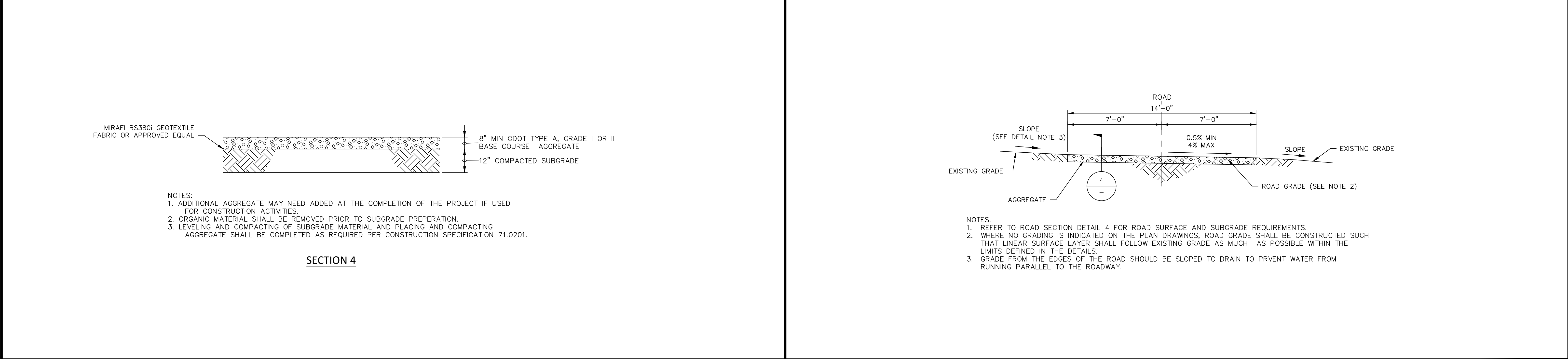


NOTES

- FOR GENERAL NOTES AND LEGEND AS APPLICABLE, REFER COVER SHEET DRAWING PCS-C-DS-820-00.
- FOR LOCATION OF THE DRIVEWAYS, REFER DRAWING NUMBER PCS-C-DS-820-05.

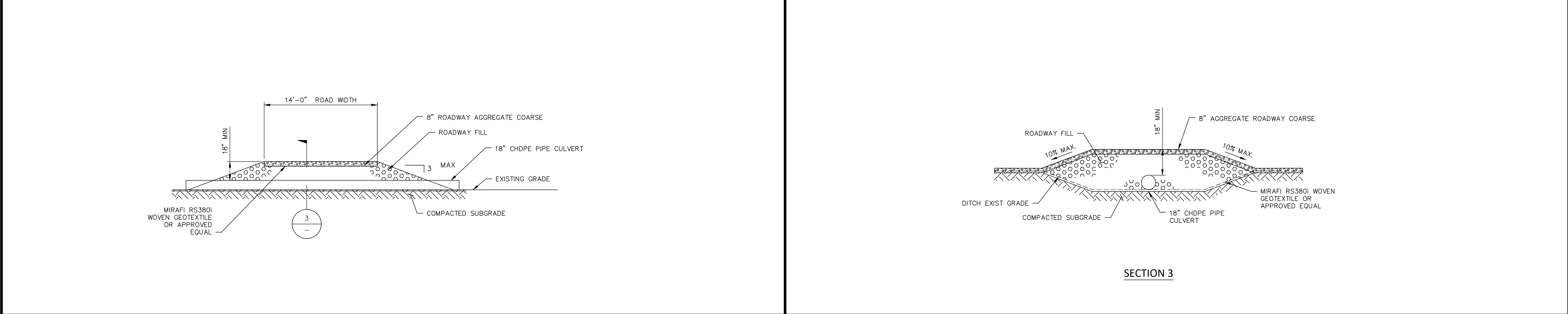
UNCURBED DRIVEWAY ALONG UNCURBED HIGHWAYNO SCALEA

TYPICAL LOW WATER CROSSING PROFILENO SCALEB



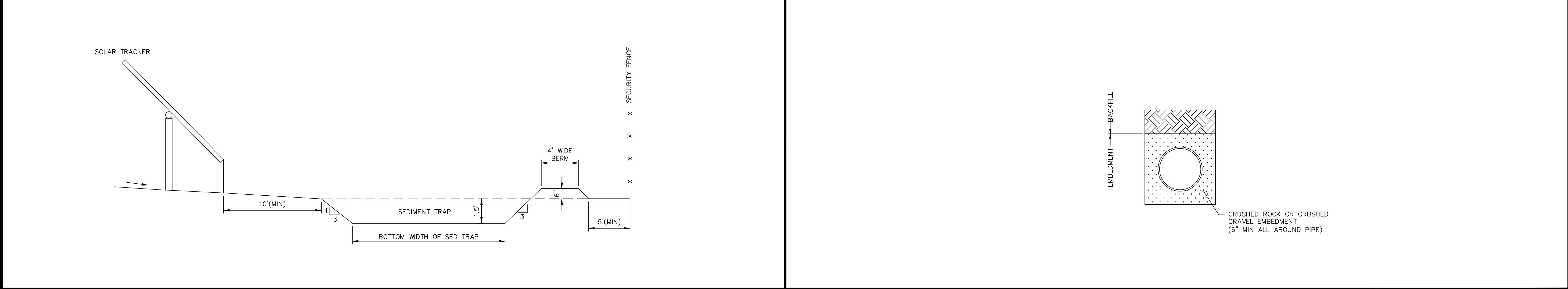
AGGREGATE ACCESS ROADNO SCALEC

TYPICAL CROSS SLOPE ROAD SECTIONNO SCALED



TYPICAL CROSS SLOPE ROAD SECTIONNO SCALEE

14'-0" ROAD SECTION AT CULVERT CROSSINGNO SCALEF



TYPICAL DETAIL OF SEDIMENT TRAPNO SCALEG

TYPICAL PIPE BEDDING DETAILNO SCALEH

NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
A	ISSUED FOR IN-HOUSE REVIEW	11/AUG/23	BBG	AWN	AJC						
O	ISSUED FOR PERMITTING	03/OCT/23	BBG	AWN	AJC						

BLACK & VEATCH

11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER COA.01645

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF OHIO

SIGNED ANDY NGUYEN
DATE 10/03/23 REG NO. PE-89364


























ENGINEERING RECORD	DATE	POWELL CREEK SOLAR, LLC
DRAWN: BBG	03/OCT/23	POWELL CREEK PV SOLAR PROJECT
DESIGNED: CBA	03/OCT/23	DRIVEWAY-TYP DETAILS
CHECKED: AVN	03/OCT/23	AND SECTIONS
APPROVED: AJC	03/OCT/23	
CADFILE: PCS-C-DS-820-04	SCALE:	DWG.NO.PCS-C-DS-820-04 SHEET 01 REV 0

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Table 6H-2. Meaning of Symbols on Typical Application Diagrams

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work Vehicle
	Pavement markings that should be removed for a long-term project		

TA-10

Lane ~~for~~ closure

OF A TWO LANE

ROAD - WITH FLAGGERS

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs (Feet) **		
	A	B	C
Urban (low speed) *	100	100	100
Urban (high speed) *	350	350	350
Rural	500	500	500
Expressway / Freeway	1,000	1,500	2,640

* Speed category to be determined by highway agency.

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6H-4. Formulas for Determining Taper Lengths

Speed (S)	Taper Length (L) in Feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Notes for Figure 6H-10—Typical Application 10
Lane Closure on a Two-Lane Road Using Flaggers

Option:

1. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.

Guidance:

4. *The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.*

Standard:

5. **At night, flagger stations shall be illuminated, except in emergencies.**

Guidance:

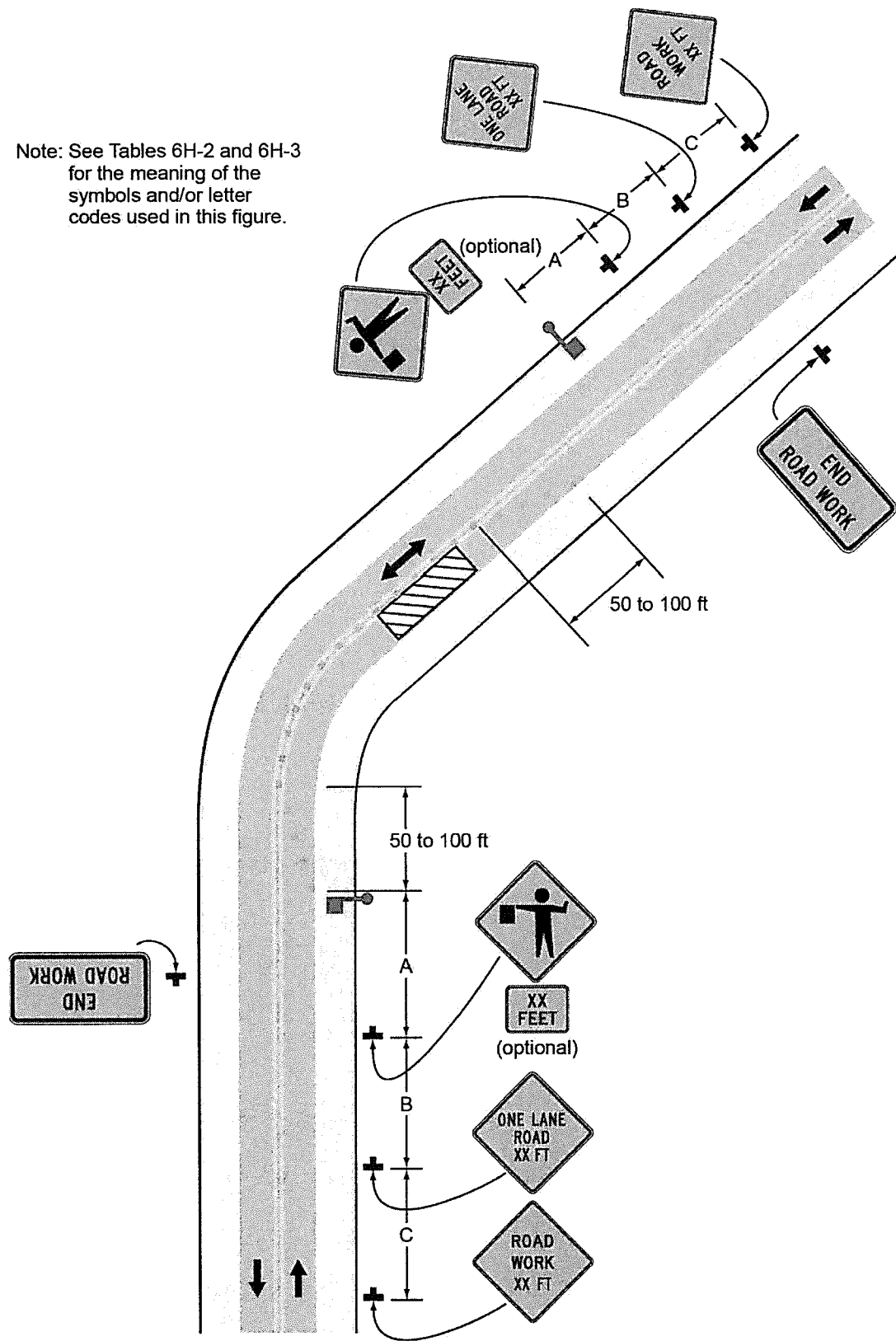
6. *When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the ONE LANE ROAD sign.*
7. *When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing.*
8. *When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.*
9. *When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the right-hand side of the normal center line.*
10. *Early coordination with the railroad company or light rail transit agency should occur before work starts.*

Option:

11. A flagger or a uniformed law enforcement officer may be used at the grade crossing to minimize the probability that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the outside rails.

Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10)

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

**Typical Application 10**

MR 509
Permit No. 2093-2023-PUT-SR613-9.4/10.9-AVANGRID

State of Ohio
Department of Transportation
Permit

Office Use Only

County or Jurisdiction PUT
Rte SR613
Log Pt 9.49-10.995
Acc Cat

[1] Subject to all terms, conditions, and restrictions printed, written below and on the reverse side hereof, or attached,

Name: Avangrid
Address: 2701 NW Vaughn St., Suite 300 Portland OR 97210
Company Phone: 419 619-8873

is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or attached to this permit.

Drive - Commercial - (see attached sheets)

Description of Work: Access Road off of SR613. Detail on Drawing PCS-C-DS-820-01_R0 with specific exhibit labeled "Commercial Drive to Block 3-3, 3-4, 4-1 From SR 613. Drawing PCS-C-DA-820-05_R0 shows this access drive 3268ft 9in east of SR 108. Drawing PCS-C-DS-820-04_R0 shows driveway details and sections.

The drive apron/RW access has been re-designed for surface material to be aggregate from the initially purposed concrete, and the customer's internal Blocks have been revised as well from Original Block Number: Permit No. 2093-2023-PUT-SR613-9.4/10.9-Avangrid

Original Block Number: Block 3-3, Block 3-4 & Block 4-1 from SR 613
Updated Block Number: Block 6-3, Block 6-4 & Block 7-1 from SR 613
This permit has been revised on 10/30/2023.

[2] This permit shall be in the possession of employees /agents of permittee on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

Contact ODOT Representative 3 days before work begins, also contact ODOT Representative when work is completed for final inspection.

Failure to notify the ODOT Representative could result in work stoppage!

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

Matt Pickering
Matt.Pickering@dot.ohio.gov
419-549-6587
District 1 Utility Coordinator / Permits
Business hours 6:00am to 4:30pm

NOTE: Any work performed by the permittee may be stopped if this requirement is not met.

[4] Prior to any excavation in the highway right-of-way, the Ohio811, <https://www.oups.org/excavators>, must be contacted in accordance with ORC Section 3781.25 to 3781.32. Ohio811 can be reached at 1-800-362-2764 or 811.

[5] If your utility is above ground in any way, you must mark your utility with a fluorescent colored marker that corresponds with the universal OUPS color code. The marker must be no shorter than six feet in height and you must maintain the marker. Guide wires must be marked a fluorescent yellow. Failure to mark as described, will result in the Department of Transportation being held harmless and no reimbursement for damage to your property.

[6] All work requiring persons or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Uniform Traffic Control Devices and Item 614 (Maintaining Traffic) of the Construction and Material Specifications, latest editions. Failure to comply with these requirements will be cause for immediate revocation or suspension of the permit until the proper traffic control devices have been provided.

[7] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure to comply fully with those conditions, terms, and requirements or any change in the use of the permit inconsistent with its terms and conditions will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Department action, up to an including removal of the installation at the permittee's expense.

[8] Performance Bond Required? ☐ existing ☐ Yes ☐ No Company _____
Effective Date _____ Expiration Date _____ Amount \$ _____

[9] This permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 03/27/2024

Dated 09/25/2023

Rev 5/6/2021

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**General Provisions Applicable to All Permits
(Sections 5515.01 and 5515.02 of O.R.C.)**

- [1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.
- [2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation and within the time determined by the Director. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of the state highway.
- [3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.
- [4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee or its agent performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct or remove such work and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all results of such work.
- [5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, its employees, agents, or assigns as a result of the issuance of this permit.
- [6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's determination and given an opportunity to correct the problem. If the problem is not corrected timely or to the satisfaction of the Department, this permit will be revoked.
- [7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.
- [8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.

[9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage and any materials such as pipes and tiles damaged during any installation or repair by the permittee or its employees or agents shall be repaired immediately at the sole cost of the permittee. Permittee shall timely notify the Department of any such damage and repairs thereto. Failure of the permittee to immediately repair the damage after it is discovered shall result in the Department performing the repair and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all the results of such work which may include removal of the permittee's facilities.

[10] Any damage to ODOT or another's property caused by the work shall be repaired by the permittee or permittee's agent or contractor in a timely manner and at the sole cost of permittee. If any emergency repairs to ODOT property are needed that cannot be performed by the permittee or permittee's agent or contractor, ODOT shall cause the repairs to be performed at the sole cost of permittee.

[11] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.

[12] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.

[13] All pole lines are to be built in accordance with Rule 4901:3-1-08 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.

[14] All underground utilities shall be installed at a depth and horizontal distance from the road surface and any appurtenances in accordance with state and national safety standards and as pre-approved by the Department. After installation, the exact location of the utility shall be provided to the Department. The Department shall be held harmless for any damage to utilities due to insufficient or inaccurate installation or identification and all repairs shall be at the sole cost of the permittee.

[15] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.

[16] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and any successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.

[17] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:

(1) No person on the grounds of race, color, or national origin, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the utility/facilities/ services of the permittee.

(2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.

(3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. DOT — Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(4) In the event that this instrument grants a lease, license, or permit and any of the above non-discrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

This permit is granted subject to the following attached conditions:

Access Road off of SR613. Detail on Drawing PCS-C-DS-820-01_R0 with specific exhibit labeled "Commercial Drive to Block 3-3, 3-4, 4-1 From SR 613. Drawing PCS-C-DA-820-05_R0 shows this access drive 3268ft 9in east of SR 108. Drawing PCS-C-DS-820-04_R0 shows driveway details and sections.

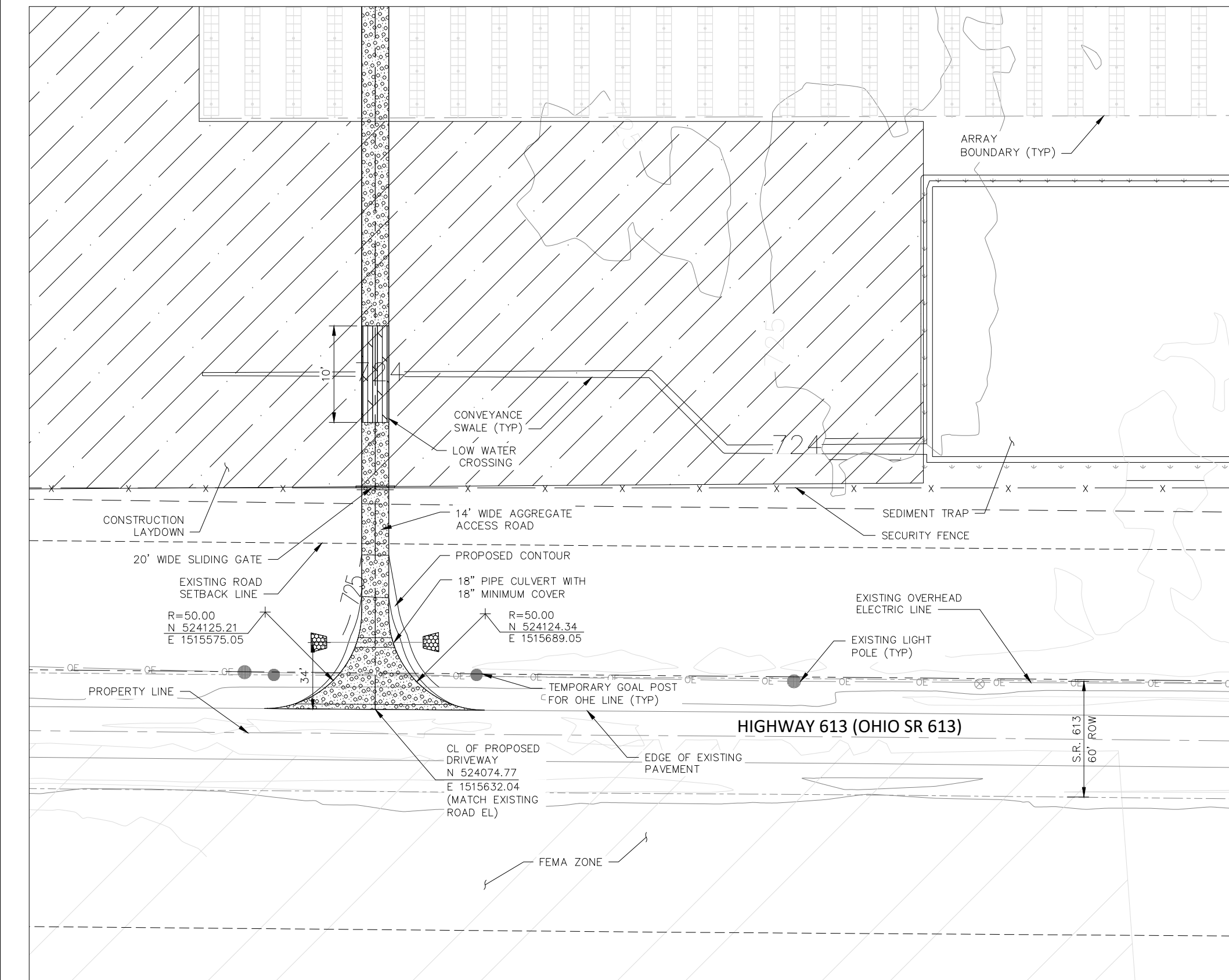
The drive apron/RW access has been re-designed for surface material to be aggregate from the initially purposed concrete, and the customer's internal Blocks have been revised as well from Original Block Number: Permit No. 2093-2023-PUT-SR613-9.4/10.9-Avangrid

Original Block Number: Block 3-3, Block 3-4 & Block 4-1 from SR 613

Updated Block Number: Block 6-3, Block 6-4 & Block 7-1 from SR 613

This permit has been revised on 10/30/2023.

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CL OF PROPOSED DRIVEWAY
N 52.3246.21
E 1518876.96
(MATCH EXISTING ROAD EL)

EXISTING ROAD SETBACK LINE
CONSTRUCTION LAYDOWN

14' WIDE AGGREGATE ACCESS ROAD

20' WIDE SLIDING GATE

TEMPORARY CONSTRUCTION ACCESS ROAD

EDGE OF EXISTING PAVEMENT
SECURITY FENCE (TYP)

EXISTING LIGHT POLE (TYP)

OHIO SR 108
60' R/W

SEDIMENT TRAP
DELINEATED STREAM

DELINEATED STREAM SETBACK LINE

ARRAY BOUNDARY (TYP)

EXISTING DRAIN TILE

R=50.00
N 52.3246.21
E 1518826.60

R=50.00
N 52.3246.21
E 1518826.60

CL OF PROPOSED DRIVEWAY
N 524016.78
E 1521110.70
(MATCH EXISTING ROAD EL)

EXISTING OVERHEAD ELECTRIC LINE

PROPERTY LINE

EXISTING LIGHT POLE (TYP)

15' R.O.W.

EDGE OF EXISTING PAVEMENT

3'4"

R=50.00
N 523959.98
E 1521046.70

18" PIPE CULVERT
- WITH 18" MINIMUM COVER

EXISTING ROAD SETBACK LINE

CONSTRUCTION LAYDOWN

R=50.00
N 523959.70
E 1521174.70

14' WIDE AGGREGATE ACCESS ROAD

HIGHWAY 613 (OHIO SR 613)

Plan view of proposed driveway and access road layout. The diagram shows a 14' wide aggregate access road (hatched area) connecting to Highway 613 (Ohio SR 613). Key features include:

- 14' WIDE AGGREGATE ACCESS ROAD**: The proposed driveway area.
- EXISTING ROAD SETBACK LINE**: Indicated by a dashed line.
- TEMPORARY GOAL POST FOR OHE LINE**: Located at the intersection of the driveway and the existing road.
- CL OF PROPOSED DRIVEWAY**: Centerline of the proposed driveway.
- EXISTING DRAIN TILE**: Located near the driveway.
- EDGE OF EXISTING PAVEMENT**: Indicated by a dashed line.
- NEW OVERHEAD ELECTRIC LINE**: Indicated by a dashed line.
- EXISTING OVERHEAD ELECTRIC LINE**: Indicated by a dashed line.
- SR 613 60' ROW**: Right-of-way boundary for Highway 613.

Curved boundary data points:

- Left side: $R=50.00$, N 524063.21, E 1524974.63
- Right side: $R=50.00$, N 524061.97, E 1525088.63
- Bottom side: $R=50.00$, N 524012.58, E 1525032.22 (MATCH EXISTING ROAD EL)



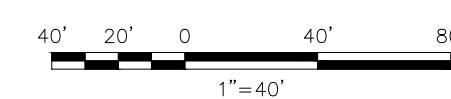
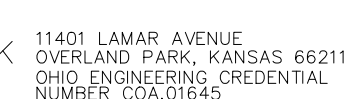
**Know what's below.
Call before you dig.**

LEGEND			
	NEW PERMANENT ROAD		TEMPORARY GROUND POST FOR CHAIN LINK
	NEW SECURITY FENCE		EXISTING LIGHT POLE
	NEW TEMPORARY ELECTRIC OVERHEAD LINE		NEW CULVERT
	PROPERTY LINE		CONSTRUCTION LAYDOWN AREA
	SETBACK LINE		FEMA ZONE
	ARRAY BOUNDARY		8" NON-REINFORCED CONCRETE DRIVEWAY (4000 PSI)
	TEMPORARY FENCE		SEDIMENT TRAP
	EXISTING ROAD		LOW WATER CROSSING
	EXISTING FENCE		EXISTING CONTOUR
	DELINEATED STREAM (50' SETBACK)		NEW CONTOUR
	EXISTING OVERHEAD ELECTRIC LINE		
	EXISTING DRAIN TILE		
	EXISTING WATER LINE		
	14' WIDE AGGREGATE ACCESS ROAD		

NOT TO BE USED
FOR CONSTRUCTION

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT
CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE
USER SHALL VERIFY TRACEABILITY OF THIS DRAWING
TO THE LATEST CONTROLLED VERSION.

NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
A	ISSUED FOR IN-HOUSE REVIEW	11/AUG/23	BBG	AWN	AJC						
O	ISSUED FOR PERMITTING	03/OCT/23	BBG	AWN	AJC						



I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED PRO-
FESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF OHIO

SIGNED	ANDY NGUYEN		
DATE	10/03/23	REG NO.	PE-89364



ENGINEERING RECORD	DATE	POWELL CREEK SOLAR, LLC		
DRAWN: BBG	03/0CT/23	POWELL CREEK PV SOLAR PROJECT		
DESIGNED: CBA	03/0CT/23	DRIVEWAYS PLANS - 1		
CHECKED: AVN	03/0CT/23			
APPROVED: AJC	03/0CT/23			
PANEL: PCS-CDS-R20-01		SCALE: 40' = 1"	DWG NO: PCS-CDS-R20-01	SHEET 01
				REV: 0



2003-2023-PUT-SR6
13-9, 410.9-Avangrid

NOTES

1. FOR GENERAL NOTES AND LEGEND AS APPLICABLE, REFER COVER SHEET DRAWING PCS-C-DS-820-00.

LEGEND

- STATE ROAD
- COUNTY ROAD
- NEW PERMANENT DRIVEWAY
- NEW TEMPORARY DRIVEWAY
- EXISTING BRIDGE
- LAYDOWN AREA (LA)
- AVOIDANCE AREA
- SECURITY FENCE
- PROPERTY LINE
- SUBSTATION SECURITY FENCE

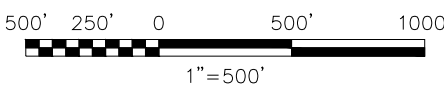
NOT TO BE USED
FOR CONSTRUCTION

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CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE
USER SHALL VERIFY TRACEABILITY OF THIS DRAWING
TO THE LATEST CONTROLLED VERSION.

NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
A	ISSUED FOR IN-HOUSE REVIEW	14/SEP/23	BBG	AVN	AJC						
O	ISSUED FOR PERMITTING	03/OCT/23	BBG	AVN	AJC						



11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER 00401645



I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED PRO-
FESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF OHIO
ANDY NGUYEN
DATE 10/03/23 REG NO. PE-89364


























ENGINEERING RECORD	DATE
DRAWN: BBG	03/OCT/23
DESIGNED: CBA	03/OCT/23
CHECKED: AVN	03/OCT/23
APPROVED: AJC	03/OCT/23

POWELL CREEK SOLAR, LLC
POWELL CREEK PV SOLAR PROJECT
DRIVEWAYS - TEMPORARY
AND PERMANENT ACCESS PLAN

CADFILE: PCS-C-DS-820-05	SCALE: 500'=1"	DWG NO: PCS-C-DS-820-05	SHEET 01	REV 0
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Table 6H-2. Meaning of Symbols on Typical Application Diagrams

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work Vehicle
	Pavement markings that should be removed for a long-term project		

TA-10

Lane ~~for~~ closure

OF A TWO LANE

ROAD - WITH FLAGGERS

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs (Feet) **		
	A	B	C
Urban (low speed) *	100	100	100
Urban (high speed) *	350	350	350
Rural	500	500	500
Expressway / Freeway	1,000	1,500	2,640

* Speed category to be determined by highway agency.

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6H-4. Formulas for Determining Taper Lengths

Speed (S)	Taper Length (L) in Feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Notes for Figure 6H-10—Typical Application 10
Lane Closure on a Two-Lane Road Using Flaggers

Option:

1. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.

Guidance:

4. *The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.*

Standard:

5. **At night, flagger stations shall be illuminated, except in emergencies.**

Guidance:

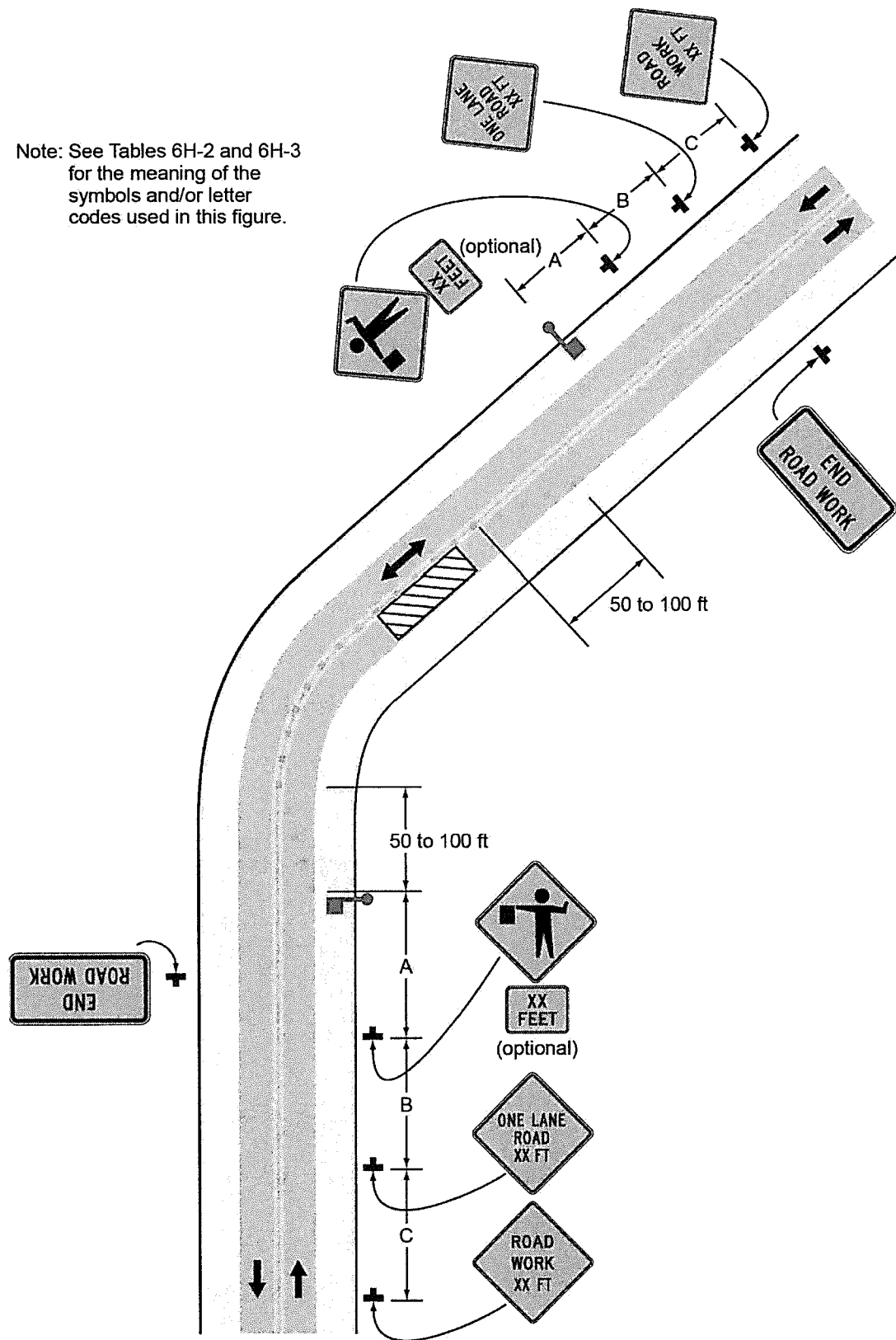
6. *When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the ONE LANE ROAD sign.*
7. *When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing.*
8. *When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.*
9. *When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the right-hand side of the normal center line.*
10. *Early coordination with the railroad company or light rail transit agency should occur before work starts.*

Option:

11. A flagger or a uniformed law enforcement officer may be used at the grade crossing to minimize the probability that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the outside rails.

Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10)

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.



Typical Application 10

MR 509
Permit No. 2094-2023-PUT-SR613-10.9/12-Avangrid

State of Ohio
Department of Transportation
Permit

Office Use Only

County or Jurisdiction PUT
Rte SR613
Log Pt 10.995-12.007
Acc Cat

[1] Subject to all terms, conditions, and restrictions printed, written below and on the reverse side hereof, or attached,

Name: Avangrid
Address: 2701 NW Vaughn St., Suite 300 Portland OR 97210
Company Phone: 419 619-8873

is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or attached to this permit.

Drive - Commercial - (see attached sheets)

Description of Work: Powell Creek Solar Access Road off south side of SR613. Detail on Drawing PCS-C-DS-820-01_R0 with specific exhibit labeled "Commercial Drive to Block 2-1, 2-2 From SR 613". Drawing PCS-C-DA-820-05_R0 shows this access drive 2209ft 11in east of SR 108. Drawing PCS-C-DS-820-04_R0 shows driveway details and sections. Construction start is slated for 10/2/2023. REVISION: The drive apron/RW access has been re-designed for surface material to be aggregate from the initially purposed concrete, and the customer's internal Blocks have been revised as well from Original Block Number: Permit No. 2094-2023-PUT-SR613-10.9/12-Avangrid

Original Block Number: Block 2-1 & Block 2-2 from SR 613
Updated Block Number: Block 5-1, Block 5-2 & Block 6-1B from SR 613
This permit revision completed on 10/30/2023.

[2] This permit shall be in the possession of employees /agents of permittee on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

Contact ODOT Representative 3 days before work begins, also contact ODOT Representative when work is completed for final inspection.
Failure to notify the ODOT Representative could result in work stoppage!

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

Matt Pickering
Matt.Pickering@dot.ohio.gov
419-549-6587
District 1 Utility Coordinator / Permits
Business hours: 6:00am to 4:30pm

NOTE: Any work performed by the permittee may be stopped if this requirement is not met.

[4] Prior to any excavation in the highway right-of-way, the Ohio811, <https://www.oups.org/excavators>, must be contacted in accordance with ORC Section 3781.25 to 3781.32. Ohio811 can be reached at 1-800-362-2764 or 811.

[5] If your utility is above ground in any way, you must mark your utility with a fluorescent colored marker that corresponds with the universal OUPS color code. The marker must be no shorter than six feet in height and you must maintain the marker. Guide wires must be marked a fluorescent yellow. Failure to mark as described, will result in the Department of Transportation being held harmless and no reimbursement for damage to your property.

[6] All work requiring persons or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Uniform Traffic Control Devices and Item 614 (Maintaining Traffic) of the Construction and Material Specifications, latest editions. Failure to comply with these requirements will be cause for immediate revocation or suspension of the permit until the proper traffic control devices have been provided.

[7] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure to comply fully with those conditions, terms, and requirements or any change in the use of the permit inconsistent with its terms and conditions will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Department action, up to an including removal of the installation at the permittee's expense.

[8] Performance Bond Required? ☐ existing ☐ Yes ☐ No Company _____
Effective Date _____ Expiration Date _____ Amount \$ _____

[9] This permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 04/30/2024

Dated 09/25/2023

Rev 5/6/2021

(the remainder of this page is left blank intentionally)

**General Provisions Applicable to All Permits
(Sections 5515.01 and 5515.02 of O.R.C.)**

- [1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.
- [2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation and within the time determined by the Director. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of the state highway.
- [3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.
- [4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee or its agent performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct or remove such work and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all results of such work.
- [5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, its employees, agents, or assigns as a result of the issuance of this permit.
- [6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's determination and given an opportunity to correct the problem. If the problem is not corrected timely or to the satisfaction of the Department, this permit will be revoked.
- [7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.
- [8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.

[9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage and any materials such as pipes and tiles damaged during any installation or repair by the permittee or its employees or agents shall be repaired immediately at the sole cost of the permittee. Permittee shall timely notify the Department of any such damage and repairs thereto. Failure of the permittee to immediately repair the damage after it is discovered shall result in the Department performing the repair and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all the results of such work which may include removal of the permittee's facilities.

[10] Any damage to ODOT or another's property caused by the work shall be repaired by the permittee or permittee's agent or contractor in a timely manner and at the sole cost of permittee. If any emergency repairs to ODOT property are needed that cannot be performed by the permittee or permittee's agent or contractor, ODOT shall cause the repairs to be performed at the sole cost of permittee.

[11] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.

[12] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.

[13] All pole lines are to be built in accordance with Rule 4901:3-1-08 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.

[14] All underground utilities shall be installed at a depth and horizontal distance from the road surface and any appurtenances in accordance with state and national safety standards and as pre-approved by the Department. After installation, the exact location of the utility shall be provided to the Department. The Department shall be held harmless for any damage to utilities due to insufficient or inaccurate installation or identification and all repairs shall be at the sole cost of the permittee.

[15] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.

[16] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and any successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.

[17] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:

(1) No person on the grounds of race, color, or national origin, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the utility/facilities/ services of the permittee.

(2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.

(3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. DOT — Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(4) In the event that this instrument grants a lease, license, or permit and any of the above non-discrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

This permit is granted subject to the following attached conditions:

This permit voids any copies issued/printed before 10/30/2023 specifically voiding 09/26/2023

(the remainder of this page is left blank intentionally)



NOTES

1. FOR GENERAL NOTES AND LEGEND AS APPLICABLE, REFER COVER SHEET DRAWING PCS-C-DS-820-00.

LEGEND

- STATE ROAD
- COUNTY ROAD
- NEW PERMANENT DRIVEWAY
- NEW TEMPORARY DRIVEWAY
- EXISTING BRIDGE
- LAYDOWN AREA (LA)
- AVOIDANCE AREA
- SECURITY FENCE
- PROPERTY LINE
- SUBSTATION SECURITY FENCE

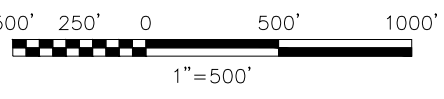
NOT TO BE USED
FOR CONSTRUCTION

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT
CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE
USER SHALL VERIFY TRACEABILITY OF THIS DRAWING
TO THE LATEST CONTROLLED VERSION.

NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
A	ISSUED FOR IN-HOUSE REVIEW	14/SEP/23	BBG	AVN	AJC						
O	ISSUED FOR PERMITTING	03/OCT/23	BBG	AVN	AJC						



11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER 004 01645

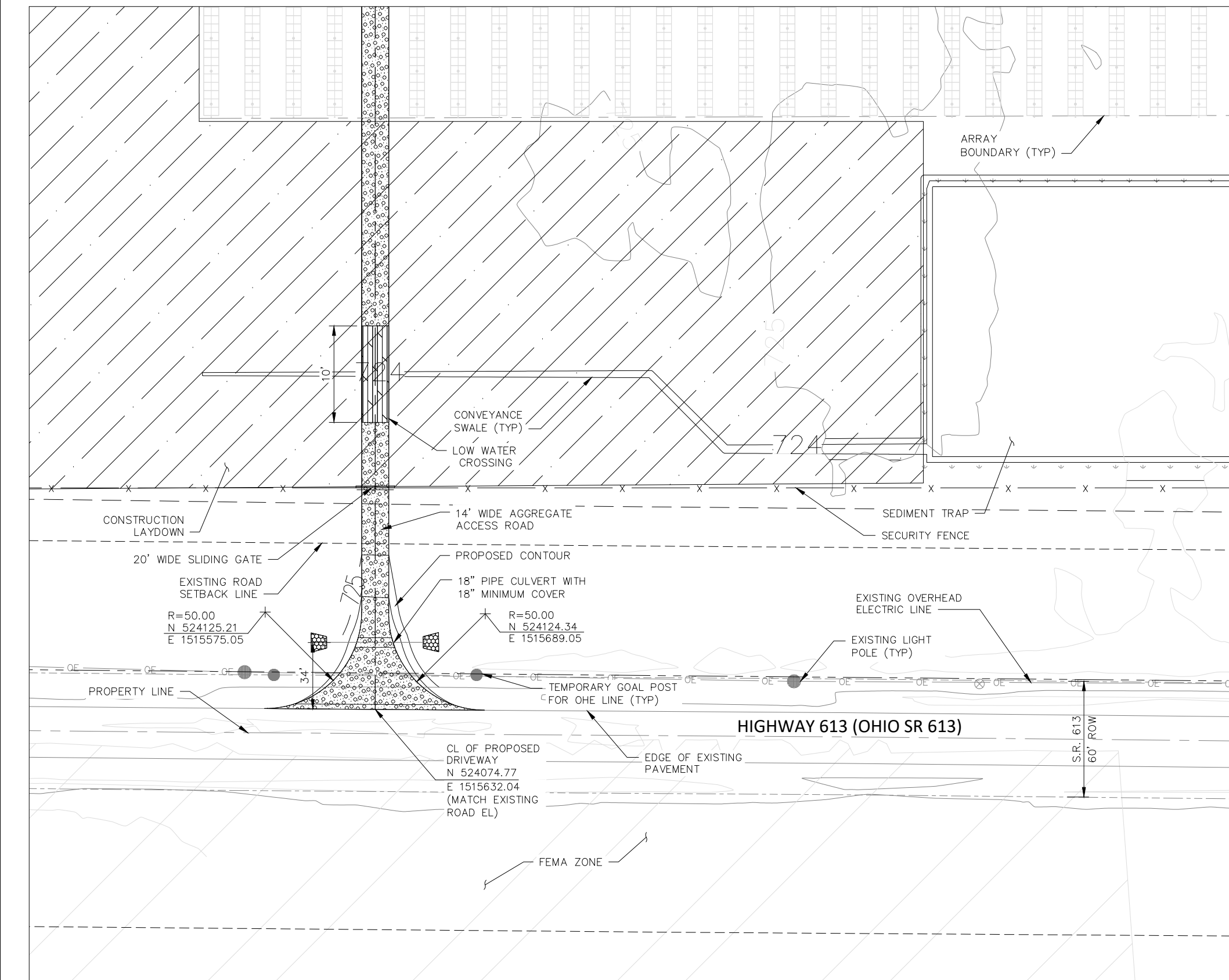


I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED PRO-
FESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF OHIO
ANDY NGUYEN
DATE 10/03/23 REG NO. PE-89364



ENGINEERING RECORD	DATE
DRAWN: BBG	03/OCT/23
DESIGNED: CBA	03/OCT/23
CHECKED: AVN	03/OCT/23
APPROVED: AJC	03/OCT/23
CADFILE: PCS-C-DS-820-05	

POWELL CREEK SOLAR, LLC POWELL CREEK PV SOLAR PROJECT DRIVEWAYS - TEMPORARY AND PERMANENT ACCESS PLAN
SCALE: 500'=1" DWG NO: PCS-C-DS-820-05 SHEET 01 REV 0



CL OF PROPOSED DRIVEWAY
N 52.3246.21
E 1518876.96
(MATCH EXISTING ROAD EL)

EXISTING ROAD SETBACK LINE
CONSTRUCTION LAYDOWN

14' WIDE AGGREGATE ACCESS ROAD

20' WIDE SLIDING GATE

TEMPORARY CONSTRUCTION ACCESS ROAD

EDGE OF EXISTING PAVEMENT
SECURITY FENCE (TYP)

EXISTING LIGHT POLE (TYP)

OHIO SR 108
60' R/W

SEDIMENT TRAP
DELINEATED STREAM

DELINEATED STREAM SETBACK LINE

ARRAY BOUNDARY (TYP)

EXISTING DRAIN TILE

R=50.00
N 52.3246.21
E 1518826.60

R=50.00
N 52.3246.21
E 1518826.60

CL OF PROPOSED DRIVEWAY
N 524016.78
E 1521110.70
(MATCH EXISTING ROAD EL)

EXISTING OVERHEAD ELECTRIC LINE

PROPERTY LINE

EXISTING LIGHT POLE (TYP)

15' R.O.W.

EDGE OF EXISTING PAVEMENT

3'4"

R=50.00
N 523959.98
E 1521046.70

18" PIPE CULVERT
- WITH 18" MINIMUM COVER

EXISTING ROAD SETBACK LINE

CONSTRUCTION LAYDOWN

R=50.00
N 523959.70
E 1521174.70

14' WIDE AGGREGATE ACCESS ROAD

HIGHWAY 613 (OHIO SR 613)

Plan view of proposed driveway and access road layout. The diagram shows a 14' wide aggregate access road (hatched area) connecting to Highway 613 (Ohio SR 613). Key features include:

- 14' WIDE AGGREGATE ACCESS ROAD**: The proposed driveway area.
- EXISTING ROAD SETBACK LINE**: Indicated by a dashed line.
- TEMPORARY GOAL POST FOR OHE LINE**: Located at the intersection of the access road and the existing overhead electric line.
- EXISTING OVERHEAD ELECTRIC LINE**: Shown as a line with cross-ticks.
- CL OF PROPOSED DRIVEWAY**: Centerline of the proposed driveway.
- EXISTING DRAIN TILE**: Indicated by a dashed line.
- EDGE OF EXISTING PAVEMENT**: Indicated by a dashed line.
- NEW OVERHEAD ELECTRIC LINE**: Proposed line, shown as a line with cross-ticks.
- SR 613 60' ROW**: Right-of-way boundary for Highway 613.

Curved boundary dimensions (R=50.00):

- Left side: N 524063.21, E 1524974.63
- Right side: N 524061.97, E 1525088.63
- Bottom side: N 524012.58, E 1525032.22 (MATCH EXISTING ROAD EL)

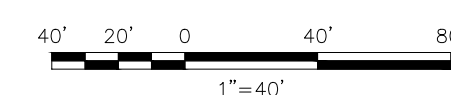
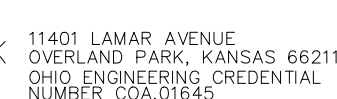


**Know what's below.
Call before you dig.**

LEGEND			
	NEW PERMANENT ROAD		TEMPORARY GOAL POST FOR ONE LANE
	NEW SECURITY FENCE		EXISTING LIGHT POLE
	NEW TEMPORARY ELECTRIC OVERHEAD LINE		NEW CULVERT
	PROPERTY LINE		CONSTRUCTION LAYDOWN AREA
	SETBACK LINE		FEMA ZONE
	ARRAY BOUNDARY		8" NON-REINFORCED CONCRETE DRIVEWAY (4000 PSI)
	TEMPORARY FENCE		SEDIMENT TRAP
	EXISTING ROAD		LOW WATER CROSSING
	EXISTING FENCE		EXISTING CONTOUR
	DELINEATED STREAM (50' SETBACK)		NEW CONTOUR
	EXISTING OVERHEAD ELECTRIC LINE		
	EXISTING DRAIN TILE		
	EXISTING WATER LINE		
	14' WIDE AGGREGATE ACCESS ROAD		

NOT TO BE USED
FOR CONSTRUCTION

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CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE
USER SHALL VERIFY TRACEABILITY OF THIS DRAWING
TO THE LATEST CONTROLLED VERSION.

[illegible]

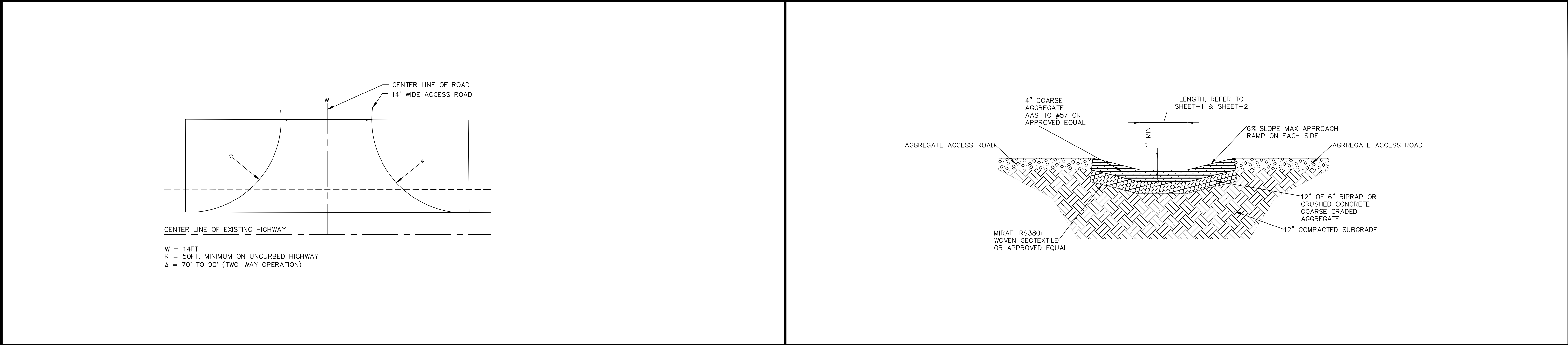
I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED PRO-
FESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF OHIO

SIGNED ANDY NGUYEN

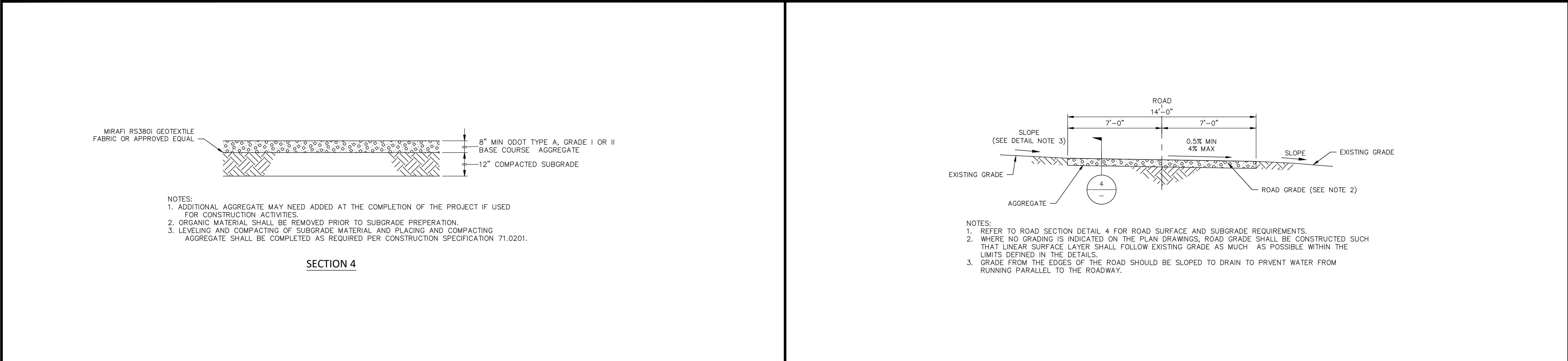
DATE	10/03/23	REG NO.	PE-89364
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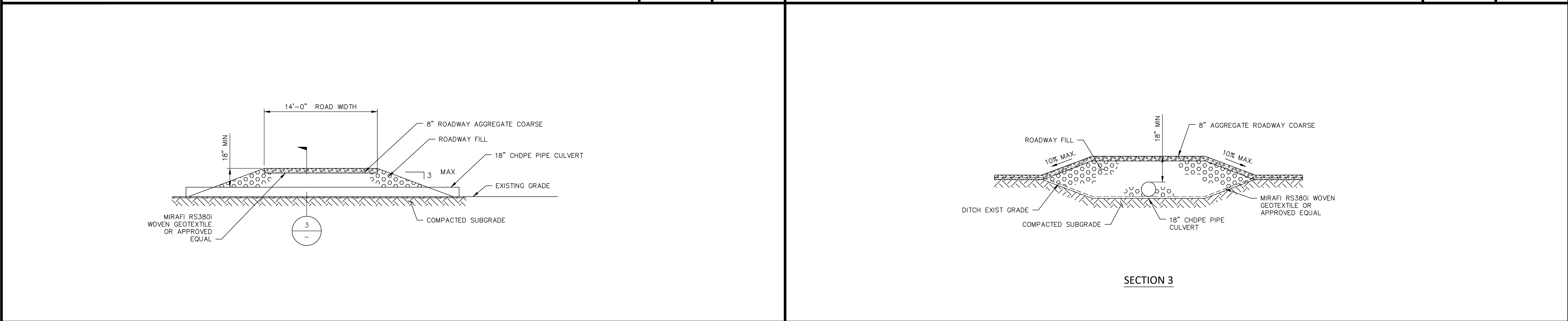
ENGINEERING RECORD	DATE	POWELL CREEK SOLAR, LLC			
DRAWN: BBG	03/0CT/23	POWELL CREEK PV SOLAR PROJECT			
DESIGNED: CBA	03/0CT/23	DRIVEWAYS PLANS - 1			
CHECKED: AVN	03/0CT/23				
APPROVED: AJS	03/0CT/23				
CATEGORY: PCS-C-DS-R20-01		SCALE: 40'=1"	DWG NO: PCS-C-DS-R20-01	SHEET 01	REV 0



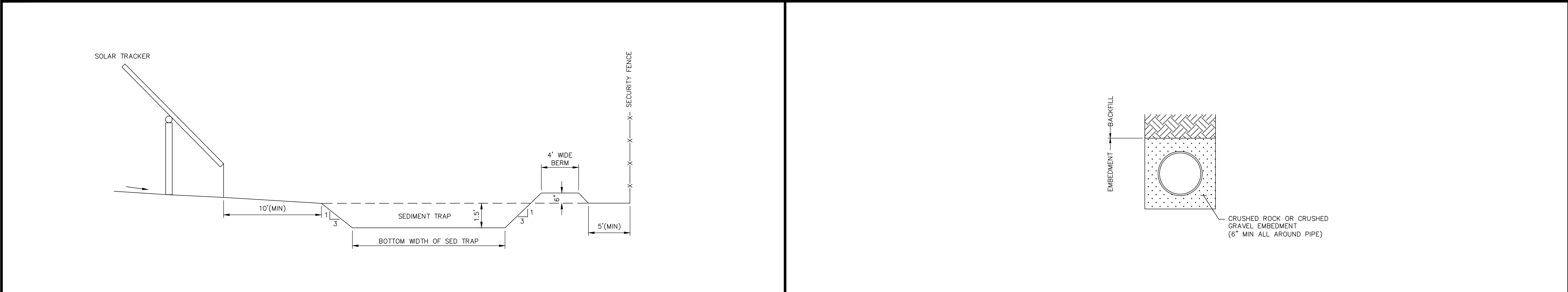
UNCURBED DRIVEWAY ALONG UNCURBED HIGHWAY	NO SCALE	A	TYPICAL LOW WATER CROSSING PROFILE	NO SCALE	B
--	----------	---	------------------------------------	----------	---



AGGREGATE ACCESS ROAD	NO SCALE	C	TYPICAL CROSS SLOPE ROAD SECTION	NO SCALE	D
-----------------------	----------	---	----------------------------------	----------	---



TYPICAL CROSS SLOPE ROAD SECTION	NO SCALE	E	14'-0" ROAD SECTION AT CULVERT CROSSING	NO SCALE	F
----------------------------------	----------	---	---	----------	---


























TYPICAL DETAIL OF SEDIMENT TRAP	NO SCALE	G	TYPICAL PIPE BEDDING DETAIL	NO SCALE	H
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NOT TO BE USED FOR CONSTRUCTION

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Table 6H-2. Meaning of Symbols on Typical Application Diagrams

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work Vehicle
	Pavement markings that should be removed for a long-term project		

TA-10

Lane ~~for~~ closure

OF A TWO LANE

ROAD - WITH FLAGGERS

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs (Feet) **		
	A	B	C
Urban (low speed) *	100	100	100
Urban (high speed) *	350	350	350
Rural	500	500	500
Expressway / Freeway	1,000	1,500	2,640

* Speed category to be determined by highway agency.

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6H-4. Formulas for Determining Taper Lengths

Speed (S)	Taper Length (L) in Feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Notes for Figure 6H-10—Typical Application 10
Lane Closure on a Two-Lane Road Using Flaggers

Option:

1. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.

Guidance:

4. *The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.*

Standard:

5. **At night, flagger stations shall be illuminated, except in emergencies.**

Guidance:

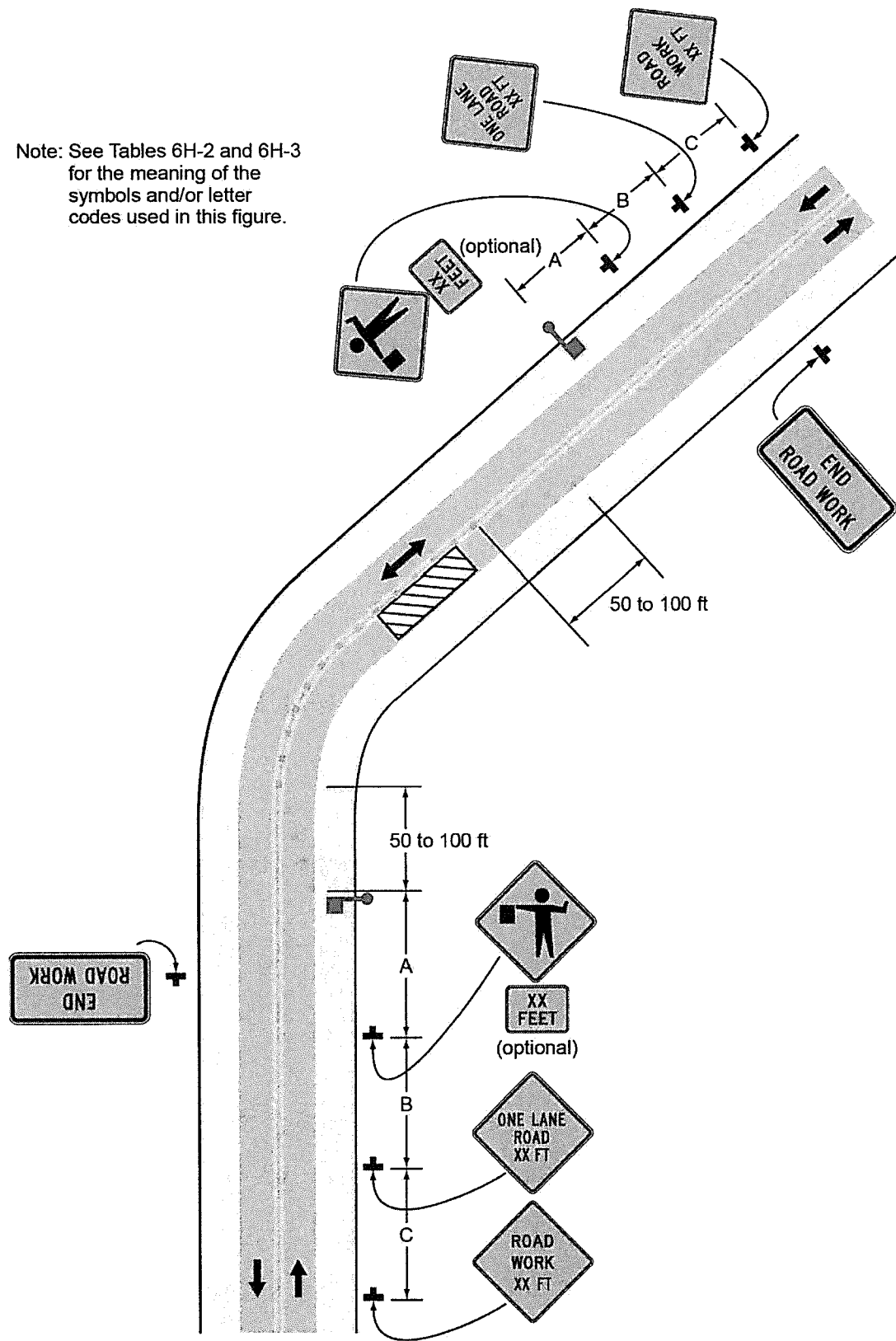
6. *When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the ONE LANE ROAD sign.*
7. *When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing.*
8. *When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.*
9. *When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the right-hand side of the normal center line.*
10. *Early coordination with the railroad company or light rail transit agency should occur before work starts.*

Option:

11. A flagger or a uniformed law enforcement officer may be used at the grade crossing to minimize the probability that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the outside rails.

Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10)

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.



Typical Application 10

MR 509
Permit No. 2095-2023-PUT-SR613-12/13-Avangrid

State of Ohio
Department of Transportation
Permit

Office Use Only

County or Jurisdiction PUT
Rte SR613
Log Pt 12.007-13.033
Acc Cat

[1] Subject to all terms, conditions, and restrictions printed, written below and on the reverse side hereof, or attached,

Name: Avangrid
Address: 2701 NW Vaughn St., Suite 300 Portland OR 97210
Company Phone: 419 619-8873

is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or attached to this permit.

Drive - Commercial - (see attached sheets)

Description of Work: Powell Creek Solar Access Road off north side of SR613. Detail on Drawing PCS-C-DS-820-01_R0 with specific exhibit labeled "Commercial Drive to Block 5-1, 5-2, 6-1, 6-2, 6-3, 7-2, 7-3 From SR 613". Drawing PCS-C-DA-820-05_R0 shows this access drive 796ft 3in east of Rd 13. Drawing PCS-C-DS-820-04_R0 shows driveway details and sections. Construction start is slated for 10/2/2023. Per previous discussions, it was decided that the bond Avangrid currently has open can cover these access road permits as well.

REVISION: The drive apron/RW access has been re-designed for surface material to be aggregate from the initially purposed concrete, and the customer's internal Blocks have been revised as well from Original Block Number:

Permit No. 2095-2023-PUT-SR613-12/13-Avangrid.

Original Block Number: Block 5-1, Block 5-2, Block 6-1, Block 6-2, Block 6-3, Block 7-2 & Block 7-3 from SR 613

Updated Block Number: Block 1-1, Block 1-2, Block 2-1, Block 2-2, Block 2-3, Block 3-1A, Block 3-2 and Block 3-3 from SR 613

This permit revision completed on 10/30/2023.

[2] This permit shall be in the possession of employees /agents of permittee on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

Contact ODOT Representative 3 days before work begins, also contact ODOT Representative when work is completed for final inspection.

Failure to notify the ODOT Representative could result in work stoppage!

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

Matt Pickering
Matt.Pickering@dot.ohio.gov
419-549-6587
District 1 Utility Coordinator / Permits
Business hours: Monday - Thursday 6:00am to 4:30pm

NOTE: Any work performed by the permittee may be stopped if this requirement is not met.

[4] Prior to any excavation in the highway right-of-way, the Ohio811, <https://www.oups.org/excavators>, must be contacted in accordance with ORC Section 3781.25 to 3781.32. Ohio811 can be reached at 1-800-362-2764 or 811.

[5] If your utility is above ground in any way, you must mark your utility with a fluorescent colored marker that corresponds with the universal OUPS color code. The marker must be no shorter than six feet in height and you must maintain the marker. Guide wires must be marked a fluorescent yellow. Failure to mark as described, will result in the Department of Transportation being held harmless and no reimbursement for damage to your property.

[6] All work requiring persons or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Uniform Traffic Control Devices and Item 614 (Maintaining Traffic) of the Construction and Material Specifications, latest editions. Failure to comply with these requirements will be cause for immediate revocation or suspension of the permit until the proper traffic control devices have been provided.

[7] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure to comply fully with those conditions, terms, and requirements or any change in the use of the permit inconsistent with its terms and conditions will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Department action, up to an including removal of the installation at the permittee's expense.

[8] Performance Bond Required? ☐ existing ☐ Yes ☐ No Company _____
Effective Date _____ Expiration Date _____ Amount \$ _____

[9] This permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 04/30/2024

Dated 09/25/2023

Rev 5/6/2021

(the remainder of this page is left blank intentionally)

**General Provisions Applicable to All Permits
(Sections 5515.01 and 5515.02 of O.R.C.)**

- [1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.
- [2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation and within the time determined by the Director. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of the state highway.
- [3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.
- [4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee or its agent performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct or remove such work and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all results of such work.
- [5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, its employees, agents, or assigns as a result of the issuance of this permit.
- [6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's determination and given an opportunity to correct the problem. If the problem is not corrected timely or to the satisfaction of the Department, this permit will be revoked.
- [7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.
- [8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.

[9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage and any materials such as pipes and tiles damaged during any installation or repair by the permittee or its employees or agents shall be repaired immediately at the sole cost of the permittee. Permittee shall timely notify the Department of any such damage and repairs thereto. Failure of the permittee to immediately repair the damage after it is discovered shall result in the Department performing the repair and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all the results of such work which may include removal of the permittee's facilities.

[10] Any damage to ODOT or another's property caused by the work shall be repaired by the permittee or permittee's agent or contractor in a timely manner and at the sole cost of permittee. If any emergency repairs to ODOT property are needed that cannot be performed by the permittee or permittee's agent or contractor, ODOT shall cause the repairs to be performed at the sole cost of permittee.

[11] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.

[12] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.

[13] All pole lines are to be built in accordance with Rule 4901:3-1-08 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.

[14] All underground utilities shall be installed at a depth and horizontal distance from the road surface and any appurtenances in accordance with state and national safety standards and as pre-approved by the Department. After installation, the exact location of the utility shall be provided to the Department. The Department shall be held harmless for any damage to utilities due to insufficient or inaccurate installation or identification and all repairs shall be at the sole cost of the permittee.

[15] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.

[16] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and any successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.

[17] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:

(1) No person on the grounds of race, color, or national origin, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the utility/facilities/ services of the permittee.

(2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.

(3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. DOT — Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(4) In the event that this instrument grants a lease, license, or permit and any of the above non-discrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

This permit is granted subject to the following attached conditions:

(the remainder of this page is left blank intentionally)

This revised permit on 10/30/2023 VOIDS the previously permit on 09/26/2023



NOTES

1. FOR GENERAL NOTES AND LEGEND AS APPLICABLE, REFER COVER SHEET DRAWING PCS-C-DS-820-00.

LEGEND

- STATE ROAD
- COUNTY ROAD
- NEW PERMANENT DRIVEWAY
- NEW TEMPORARY DRIVEWAY
- EXISTING BRIDGE
- LAYDOWN AREA (LA)
- AVOIDANCE AREA
- SECURITY FENCE
- PROPERTY LINE
- SUBSTATION SECURITY FENCE

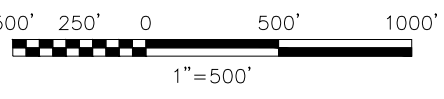
NOT TO BE USED
FOR CONSTRUCTION

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT
CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE
USER SHALL VERIFY TRACEABILITY OF THIS DRAWING
TO THE LATEST CONTROLLED VERSION.

NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
A	ISSUED FOR IN-HOUSE REVIEW	14/SEP/23	BBG	AVN	AJC						
O	ISSUED FOR PERMITTING	03/OCT/23	BBG	AVN	AJC						



11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER 004 01645

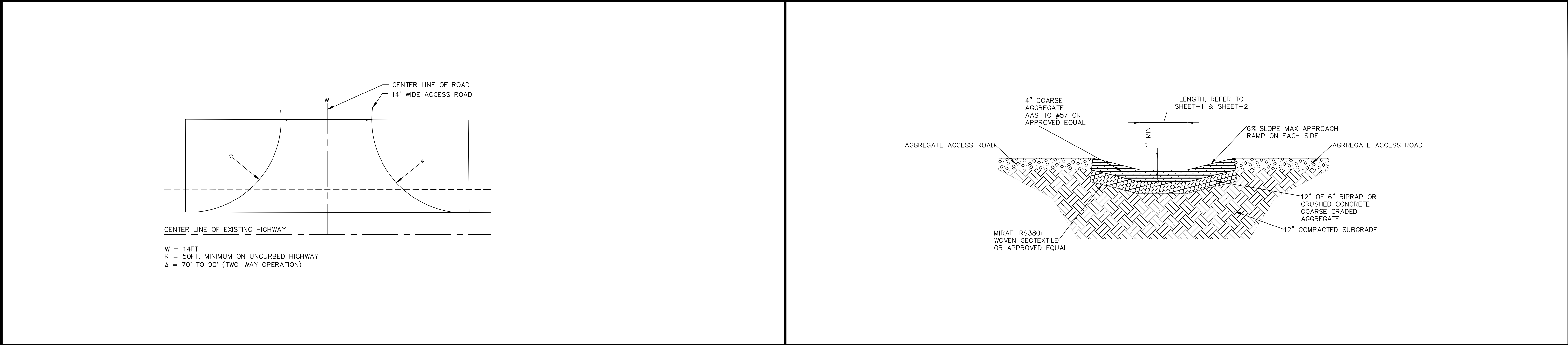


I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED PRO-
FESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF OHIO
ANDY NGUYEN
DATE 10/03/23 REG NO. PE-89364



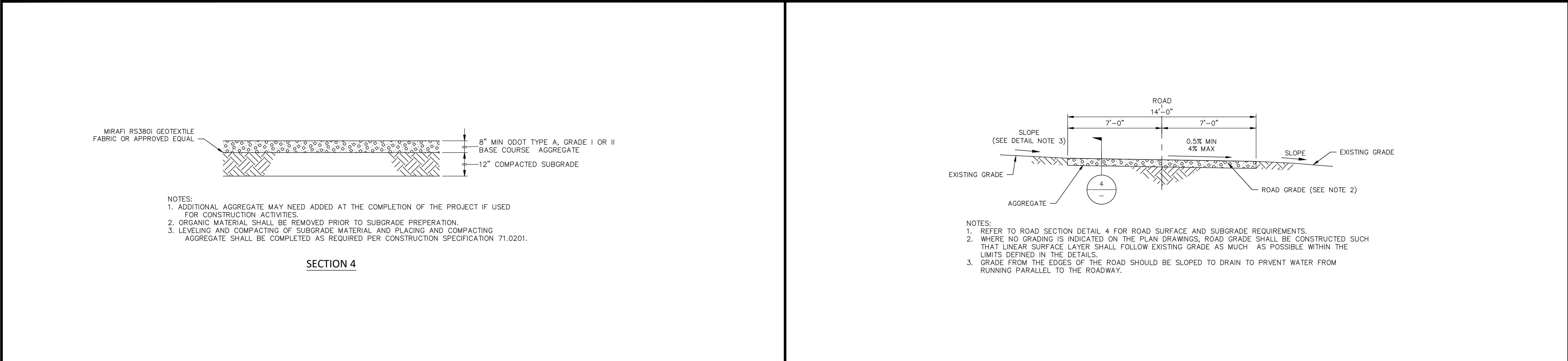
ENGINEERING RECORD	DATE
DRAWN: BBG	03/OCT/23
DESIGNED: CBA	03/OCT/23
CHECKED: AVN	03/OCT/23
APPROVED: AJC	03/OCT/23
CADFILE: PCS-C-DS-820-05	

POWELL CREEK SOLAR, LLC POWELL CREEK PV SOLAR PROJECT DRIVEWAYS - TEMPORARY AND PERMANENT ACCESS PLAN
SCALE: 500'=1" DWG NO: PCS-C-DS-820-05 SHEET 01 REV 0



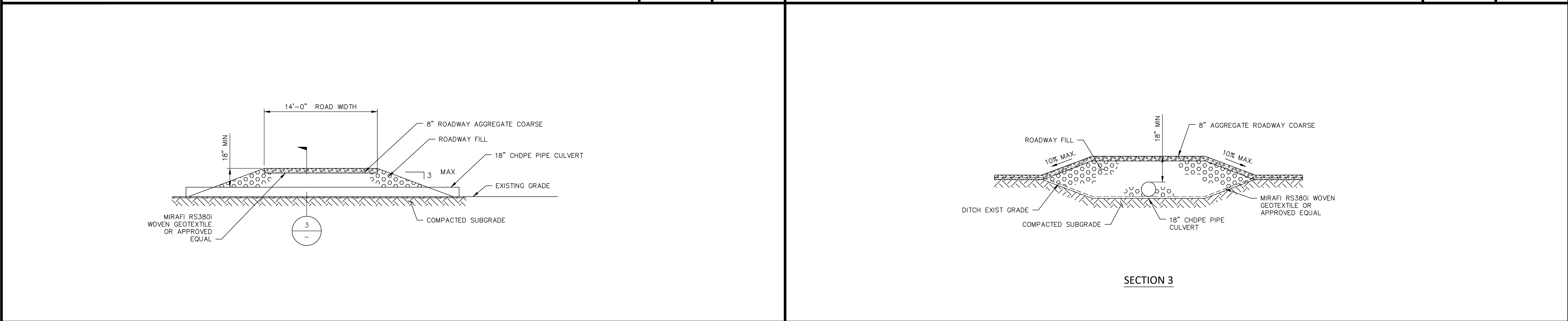
UNCURBED DRIVEWAY ALONG UNCURBED HIGHWAYNO SCALEA

TYPICAL LOW WATER CROSSING PROFILENO SCALEB



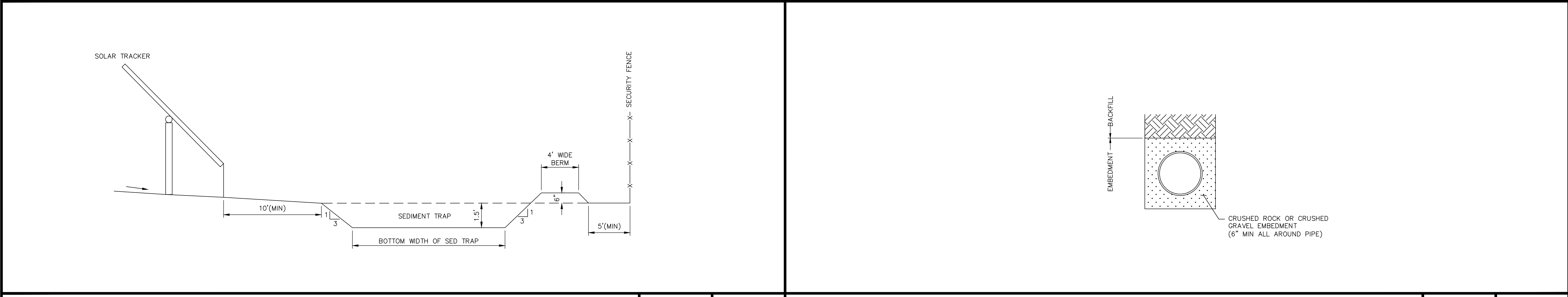
AGGREGATE ACCESS ROADNO SCALEC

TYPICAL CROSS SLOPE ROAD SECTIONNO SCALED



TYPICAL CROSS SLOPE ROAD SECTIONNO SCALEE

14'-0" ROAD SECTION AT CULVERT CROSSINGNO SCALEF

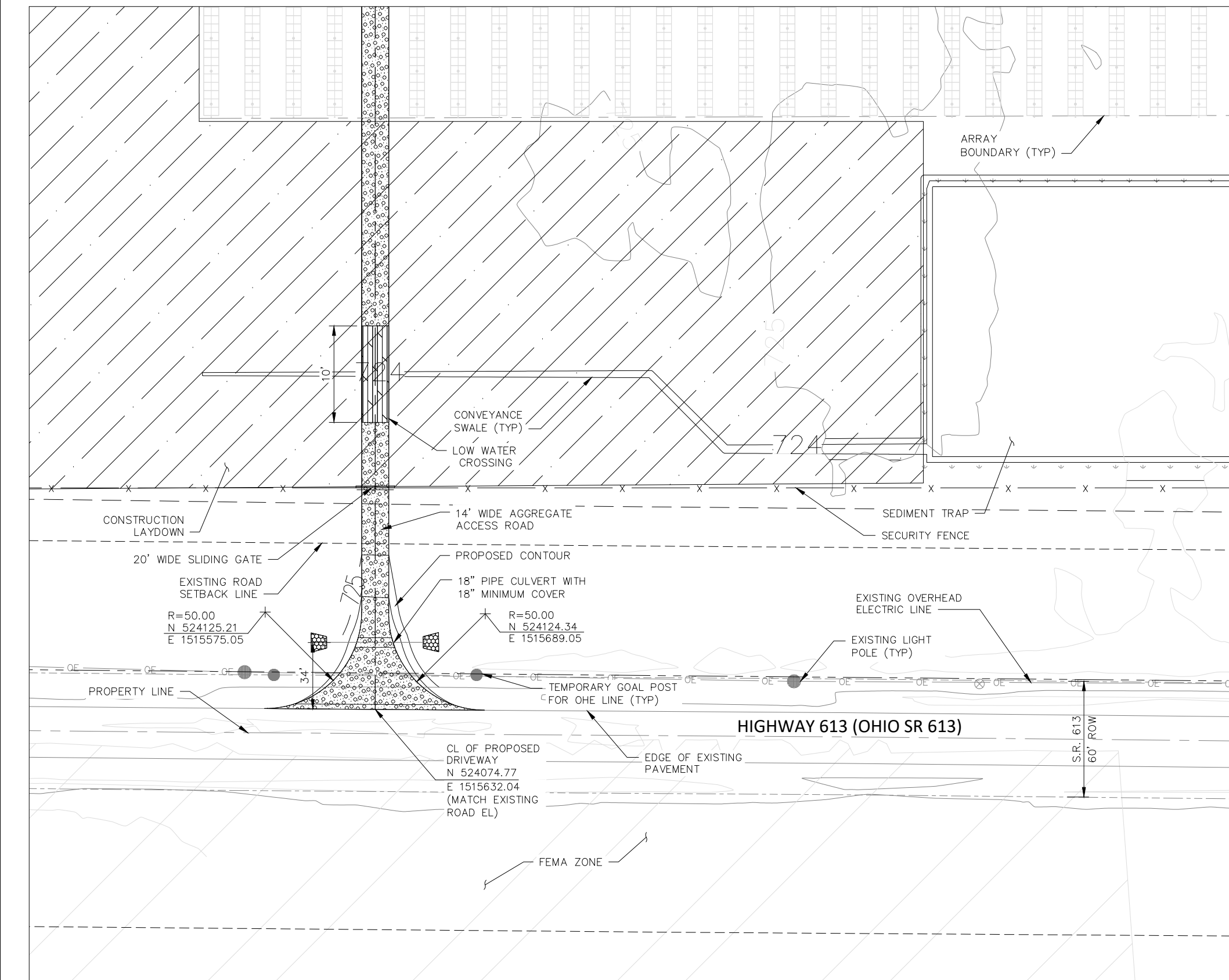


TYPICAL DETAIL OF SEDIMENT TRAPNO SCALEG

TYPICAL PIPE BEDDING DETAILNO SCALEH

NOT TO BE USED FOR CONSTRUCTION

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE USER SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE LATEST CONTROLLED VERSION.



CL OF PROPOSED DRIVEWAY
N 524016.78
E 1521110.70
(MATCH EXISTING ROAD EL)

EXISTING OVERHEAD ELECTRIC LINE

PROPERTY LINE

EXISTING LIGHT POLE (TYP)

15' R. 613
10' ROW

EDGE OF EXISTING PAVEMENT

34'

R=50.00
N 523959.98
E 1521046.70

18" PIPE CULVERT
- WITH 18" MINIMUM COVER

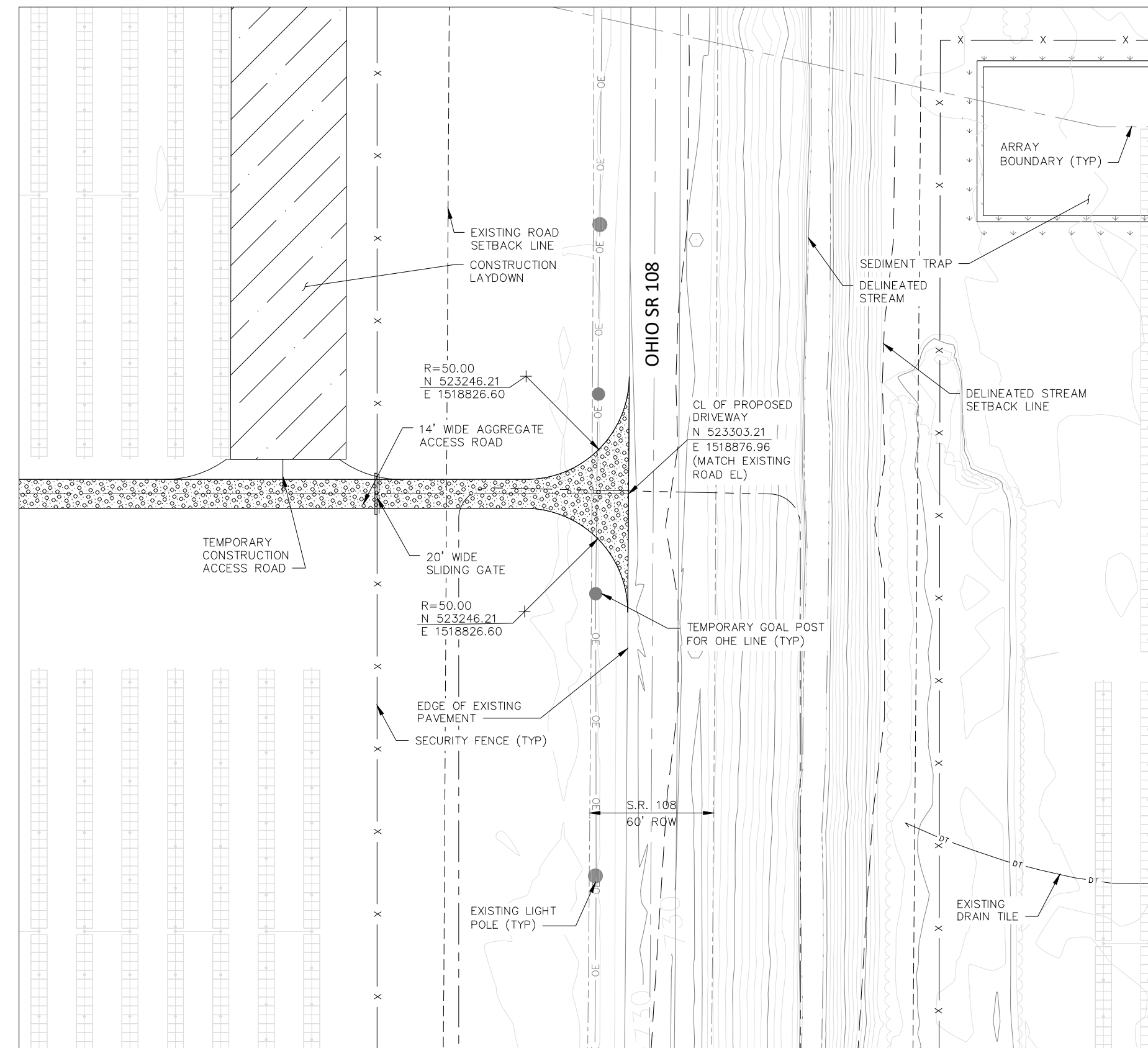
EXISTING ROAD SETBACK LINE

CONSTRUCTION LAYDOWN

R=50.00
N 523959.70
E 1521174.70

14' WIDE AGGREGATE ACCESS ROAD

HIGHWAY 613 (OHIO SR 613)

[illegible]

Plan view of proposed driveway and access road layout. The diagram shows a 14' wide aggregate access road (hatched area) connecting to Highway 613 (Ohio SR 613). Key features include:

- 14' WIDE AGGREGATE ACCESS ROAD**: The proposed driveway area.
- EXISTING ROAD SETBACK LINE**: Indicated by a dashed line.
- TEMPORARY GOAL POST FOR OHE LINE**: Located at the intersection of the driveway and the existing road.
- CL OF PROPOSED DRIVEWAY**: Centerline of the proposed driveway.
- EXISTING DRAIN TILE**: Located near the driveway.
- EDGE OF EXISTING PAVEMENT**: Indicated by a dashed line.
- NEW OVERHEAD ELECTRIC LINE**: Indicated by a dashed line.
- EXISTING OVERHEAD ELECTRIC LINE**: Indicated by a dashed line.
- SR 613 60' ROW**: Right-of-way boundary for Highway 613.

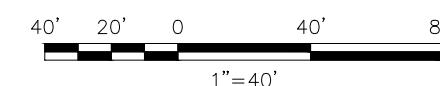
Curved boundary data points:

- Left Curve:** R=50.00, N 524063.21, E 1524974.63
- Right Curve:** R=50.00, N 524061.97, E 1525088.63
- Bottom Curve:** R=50.00, N 524012.58, E 1525032.22 (MATCH EXISTING ROAD EL)



BLACK
&
VEATCH

11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER COA.01645



I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED PRO-
FESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF OHIO

SIGNED _____ ANDY NGUYEN

DATE 10/03/23 REG NO. _____ PE-89364



1. FOR GENERAL NOTES AND LEGEND AS APPLICABLE, REFER COVER SHEET DRAWING PCS-C-DS-820-00.
2. FOR LOCATION OF THE DRIVEWAYS, REFER DRAWING NUMBER PCS-C-DS-820-05.


























	NEW PERMANENT ROAD		TEMPORARY GOAL POST FOR THE LINE
	NEW SECURITY FENCE		EXISTING LIGHT POLE
	NEW TEMPORARY ELECTRIC OVERHEAD LINE		NEW CULVERT
	PROPERTY LINE		CONSTRUCTION LAYDOWN AREA
	SETBACK LINE		FEMA ZONE
	ARRAY BOUNDARY		8" NON-REINFORCED CONCRETE DRIVEWAY (4000 PSI)
	TEMPORARY FENCE		SEDIMENT TRAP
	EXISTING ROAD		LOW WATER CROSSING
	EXISTING FENCE		EXISTING CONTOUR
	DELINEATED STREAM (50' SETBACK)		NEW CONTOUR
	EXISTING OVERHEAD ELECTRIC LINE		
	EXISTING DRAIN TILE		
	EXISTING WATER LINE		
	14" WIDE AGGREGATE ACCESS ROAD		

NOT TO BE USED
FOR CONSTRUCTION

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CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE
USER SHALL VERIFY TRACEABILITY OF THIS DRAWING
TO THE LATEST CONTROLLED VERSION.

ENGINEERING RECORD		DATE		POWELL CREEK SOLAR, LLC	
DRAWN: BBG		03/0CT/23		POWELL CREEK PV SOLAR PROJECT	
DESIGNED: CBA		03/0CT/23		DRIVEWAYS PLANS - 1	
CHECKED: AWN		03/0CT/23			
APPROVED: AJC		03/0CT/23			
CADFILE: PCS-C-DS-B20-01		SCALE: 40'=1"		DWGNO: PCS-C-DS-B20-01	
				SHEET 01	
				REV 0	

Table 6H-2. Meaning of Symbols on Typical Application Diagrams

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work Vehicle
	Pavement markings that should be removed for a long-term project		

TA-10

Lane ~~for~~ closure

OF A TWO LANE

ROAD - WITH FLAGGERS

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs (Feet) **		
	A	B	C
Urban (low speed) *	100	100	100
Urban (high speed) *	350	350	350
Rural	500	500	500
Expressway / Freeway	1,000	1,500	2,640

* Speed category to be determined by highway agency.

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6H-4. Formulas for Determining Taper Lengths

Speed (S)	Taper Length (L) in Feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Notes for Figure 6H-10—Typical Application 10
Lane Closure on a Two-Lane Road Using Flaggers

Option:

1. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.

Guidance:

4. *The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.*

Standard:

5. **At night, flagger stations shall be illuminated, except in emergencies.**

Guidance:

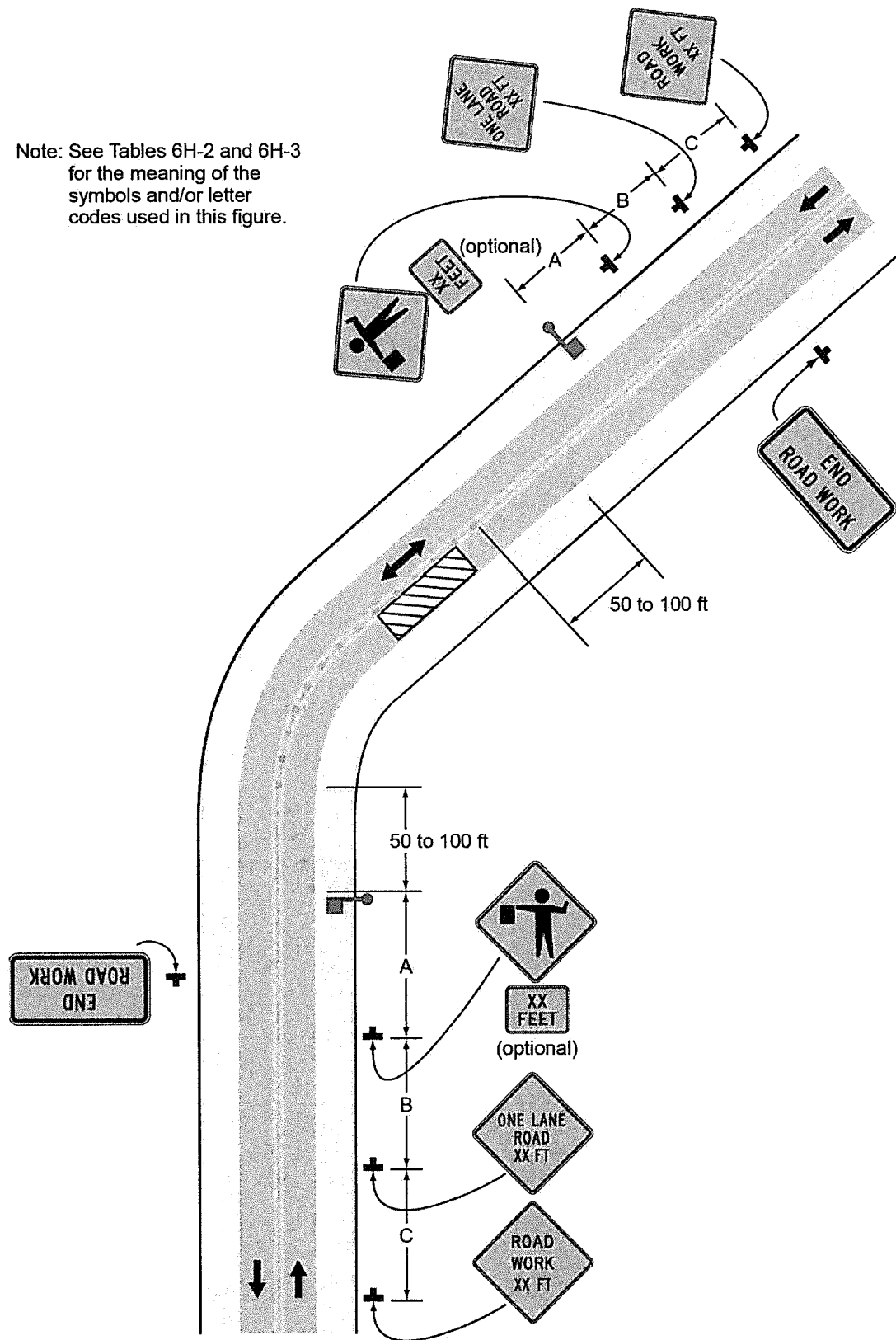
6. *When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the ONE LANE ROAD sign.*
7. *When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing.*
8. *When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.*
9. *When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the right-hand side of the normal center line.*
10. *Early coordination with the railroad company or light rail transit agency should occur before work starts.*

Option:

11. A flagger or a uniformed law enforcement officer may be used at the grade crossing to minimize the probability that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the outside rails.

Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10)

Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.



Typical Application 10

MR 509

Permit No. 2096-2023-PUT-SR108-1.8/2-Avangrid

Office Use Only

State of Ohio
Department of Transportation
Permit

County or Jurisdiction PUT
Rte SR108
Log Pt 1.8-2.075
Acc Cat

[1] Subject to all terms, conditions, and restrictions printed, written below and on the reverse side hereof, or attached,

Name: Avangrid

Address: 2701 NW Vaughn St., Suite 300 Portland OR 97210

Company Phone: 419 619-8873

is hereby granted a permit under Section 5515.01 and 5515.02 of Ohio Revised Code, and permission to perform work necessary in the manner described and at the location indicated in the following or attached to this permit.

Drive - Commercial - (see attached sheets)

Description of Work: Powell Creek Solar Access Road off west side of SR108. Detail on Drawing PCS-C-DS-820-01_R0 with specific exhibit labeled "Commercial Drive to Updated Block Number: Block 6-1A & Block 6-2 from SR 108". Drawing PCS-C-DA-820-05_R0 shows this access drive 744ft 9in south of SR 613. Drawing PCS-C-DS-820-04_R0 shows driveway details and sections. Construction start is slated for 10/2/2023. It was previously discussed that the bond held under permit application 23-11747 can cover these access road permits.

The drive apron/RW access has been re-designed for surface material to be aggregate from the initially purposed concrete, and the customer's internal Blocks have been revised as well from Original Block Number: Block 3-1 & Block 3-2 from SR 108 to Updated Block Number: Block 6-1A & Block 6-2 from SR 108

This permit has been brought current on 10/30/2023 removing concrete surface.

[2] This permit shall be in the possession of employees /agents of permittee on site at all times who are in charge of the work and shall be shown, upon request, to any employee of the Department of Transportation.

Contact ODOT Representative 3 days before work begins, also contact ODOT Representative when work is completed for final inspection.

Failure to notify the ODOT Representative could result in work stoppage!

[3] No work authorized by this permit shall begin until the permittee has contacted and received instructions from

Matt Pickering

Matt.Pickering@dot.ohio.gov

419-549-6587

District 1 Utility Coordinator / Permits

Business hours: Monday-Thursday 6:00am to 4:30pm

NOTE: Any work performed by the permittee may be stopped if this requirement is not met.

[4] Prior to any excavation in the highway right-of-way, the Ohio811, <https://www.oups.org/excavators>, must be contacted in accordance with ORC Section 3781.25 to 3781.32. Ohio811 can be reached at 1-800-362-2764 or 811.

[5] If your utility is above ground in any way, you must mark your utility with a fluorescent colored marker that corresponds with the universal OUPS color code. The marker must be no shorter than six feet in height and you must maintain the marker. Guide wires must be marked a fluorescent yellow. Failure to mark as described, will result in the Department of Transportation being held harmless and no reimbursement for damage to your property.

[6] All work requiring persons or vehicles within ODOT right of way shall comply with all applicable requirements of the Ohio Manual of Uniform Traffic Control Devices and Item 614 (Maintaining Traffic) of the Construction and Material Specifications, latest editions. Failure to comply with these requirements will be cause for immediate revocation or suspension of the permit until the proper traffic control devices have been provided.

[7] The permittee accepts the conditions, terms, and requirements printed, written on, or attached to this permit and understands that failure to comply fully with those conditions, terms, and requirements or any change in the use of the permit inconsistent with its terms and conditions

will be considered a violation and cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Department action, up to an including removal of the installation at the permittee's expense.

[8] Performance Bond Required? ☐ existing ☒ Yes ☐ No Company _____
Effective Date _____ Expiration Date _____ Amount \$ _____

[9] This permit shall be void if the work described herein does not comply with the conditions, terms, and requirements applicable to this permit, and if the work is not completed by 04/30/2024

Dated 09/26/2023

Rev 5/6/2021

(the remainder of this page is left blank intentionally)

**General Provisions Applicable to All Permits
(Sections 5515.01 and 5515.02 of O.R.C.)**

- [1] This permit is not a substitute for satisfying the rights or obligations of any other party who may have an interest in the underlying fee interest.
- [2] The granting of this permit does not convey to the permittee or to the property served any rights, title, or interest in state highway rights of way or in the design or operation of the state highway; or in any way abridge the right of the Director of the Department of Transportation in his jurisdiction over state highways. If, in the process of any future work or for the benefit of the traveling public, it becomes necessary, in the opinion of the Director of Transportation to order the removal, reconstruction, relocation, or repair of any of the fixtures, or work performed under this permit, said removal, reconstruction, relocation, or repair shall be wholly at the expense of the owners thereof or the permittee and be made as directed by the Director of Transportation and within the time determined by the Director. Such changes in the state highway design or operation, necessary for improved safety and operation or for the benefit of the traveling public, shall not require a permit modification since the permit confers no private rights to the permittee over the control of the state highway.
- [3] The District Deputy Director acts for and on behalf of the Director in issuing and carrying out the provisions of all permits. The District Deputy Director has full authority to ensure that all provisions of the permit are met and to reject any materials, design, and workmanship that do not meet applicable Department standards. The District Deputy Director, at his/her discretion, may require a performance bond or certified check as a prerequisite to the issuance of a permit.
- [4] Failure on the part of the permittee to comply fully with the provisions and conditions of the permit will be cause for suspension, revocation, or annulment of the permit thereby rendering the permit illegal and subject to appropriate Departmental action. By accepting the permit, the permittee agrees to comply with all conditions, terms, and restrictions printed or written on or attached to the permit. If the permittee or its agent performs any work contrary to the conditions of the permit or to the instructions of the District Deputy Director and, after due notice, fails to correct the problem, the Department of Transportation may, with or without notice, correct or remove such work and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all results of such work.
- [5] The permittee shall indemnify and hold harmless the State of Ohio, Department of Transportation, its officers, representatives and assigns, from any and all loss, liability, damages, litigation costs, and claims for injury or death to any person, property, or business caused by or resulting from any act, omission, event, consequence, or occurrence, negligent or otherwise of the permittee, its employees, agents, or assigns as a result of the issuance of this permit.
- [6] All work authorized under the permit shall be performed to the Department's satisfaction, and the entire expense shall be borne by the permittee. No work shall be performed until the permittee has contacted the Department's appointed representative named on the permit and received instructions. The Department's representative may inspect all work covered by the permit, or the Department reserves the right, during the time any or all of the work is being performed, to appoint an inspector over the work who shall represent the interest of the State on the work and any compensation arranged for shall be paid wholly by the permit holder. Work not in compliance shall be halted and the District Deputy Director shall be notified of the cause. The permittee shall be notified of the Department's determination and given an opportunity to correct the problem. If the problem is not corrected timely or to the satisfaction of the Department, this permit will be revoked.
- [7] Failure to complete all work within the time specified on the permit shall void the permit, thereby making the permit illegal and subject to appropriate Departmental action. The permittee may request an extension in writing from the District Office, explaining why the extension is necessary and when the work is expected to be completed.
- [8] All work infringing on the pavement or shoulders shall comply with applicable standards and requirements regarding traffic control devices. Failure to comply will be cause for revocation or suspension of the permit. Any closure of lanes or shoulders shall be described in terms of location, duration, time of day, etc. Such work shall not begin until all traffic control devices are in place.

[9] If any grading, sidewalk, or other work allowed by a permit interferes with the drainage of the highway in any way, such catch basins and outlets as necessary shall be constructed to take proper care of said drainage and any materials such as pipes and tiles damaged during any installation or repair by the permittee or its employees or agents shall be repaired immediately at the sole cost of the permittee. Permittee shall timely notify the Department of any such damage and repairs thereto. Failure of the permittee to immediately repair the damage after it is discovered shall result in the Department performing the repair and the permittee shall reimburse the Department for the costs and shall hold the Department harmless for all the results of such work which may include removal of the permittee's facilities.

[10] Any damage to ODOT or another's property caused by the work shall be repaired by the permittee or permittee's agent or contractor in a timely manner and at the sole cost of permittee. If any emergency repairs to ODOT property are needed that cannot be performed by the permittee or permittee's agent or contractor, ODOT shall cause the repairs to be performed at the sole cost of permittee.

[11] Upon completion of the work, the permittee shall leave the highway clean of all rubbish, excess materials, temporary structures and equipment, and all parts of the highway shall be left in a condition acceptable to the Department. Upon satisfactory completion of the work authorized by the permit, the Department's appointed representative shall complete the Permit Inspection Certificate, Form No. MR 678 certifying that the permittee has complied with the terms of the permit.

[12] Except as herein authorized, no excavation shall be made or obstacle placed within the limits of the highway so as to interfere with the travel over the road.

[13] All pole lines are to be built in accordance with Rule 4901:3-1-08 of Ohio Administrative Code promulgated and enforced by the Public Utilities Commission of Ohio.

[14] All underground utilities shall be installed at a depth and horizontal distance from the road surface and any appurtenances in accordance with state and national safety standards and as pre-approved by the Department. After installation, the exact location of the utility shall be provided to the Department. The Department shall be held harmless for any damage to utilities due to insufficient or inaccurate installation or identification and all repairs shall be at the sole cost of the permittee.

[15] The permittee shall comply with the Air Pollution requirements of Rule 3745-17-08 of the Ohio Administrative Code promulgated and enforced by the Ohio Environmental Protection Agency.

[16] The permittee certifies that he or she is fully authorized to sign this permit. This permit shall apply to and be binding upon the permittee and any successors in interest. No change in ownership of the underlying property or of the facility owned by permittee shall in any way alter the permittee's obligations under this permit.

[17] The permittee(s) for herself/himself/themselves/itself, her/his/their/its personal representatives, and her/his/their/its successors in interest and assigns, as a part of the consideration hereof, do/does hereby covenant and agree that:

(1) No person on the grounds of race, color, or national origin, shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of the utility/facilities/ services of the permittee.

(2) In the construction of any improvements on, over, or under the above described property and the furnishing of services thereon, no person on the grounds of race, color, national origin, sex, age, or disability shall be excluded from the participation in, be denied the benefits of, or be otherwise subjected to discrimination.

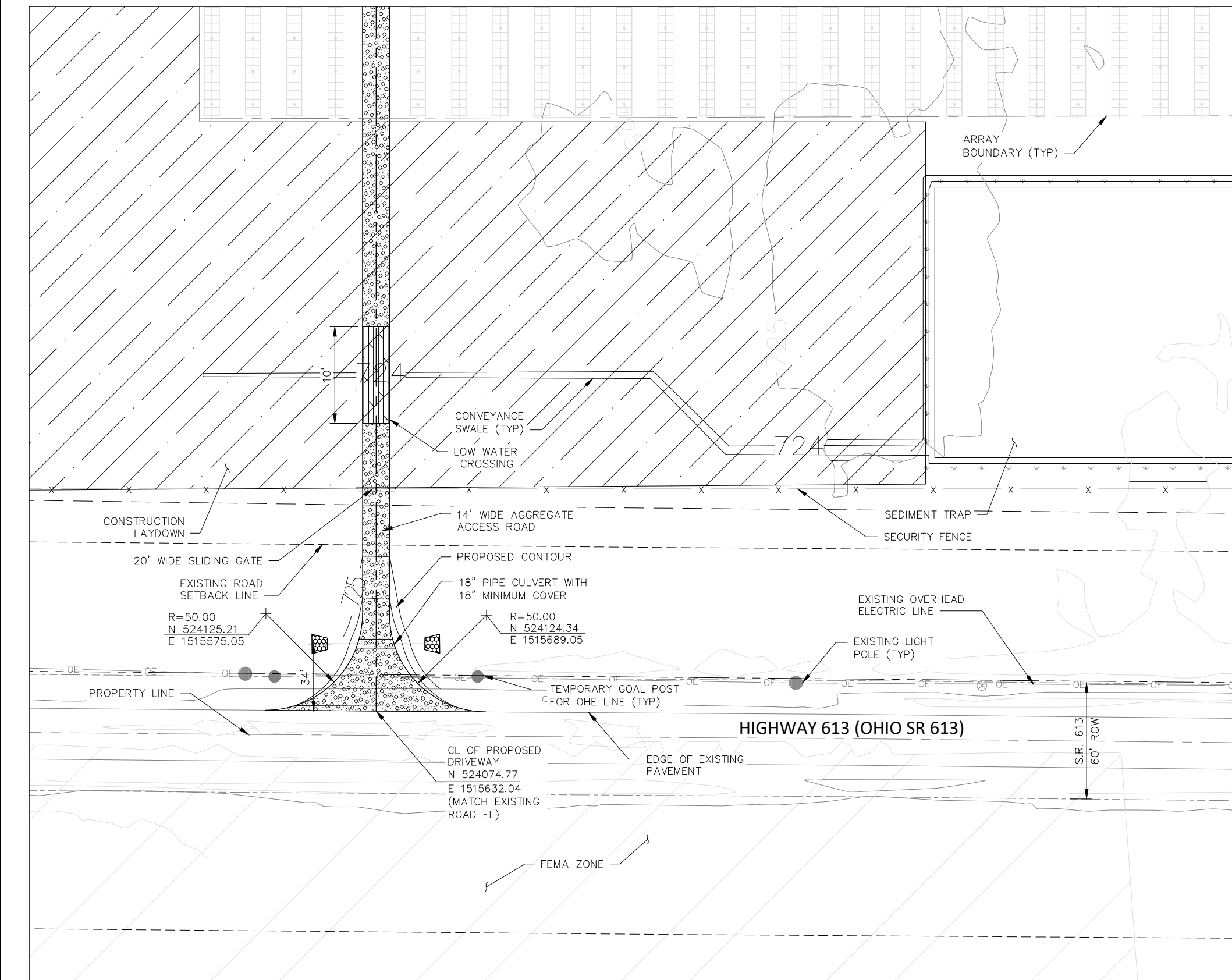
(3) The above described property shall be used in a manner that at all times is in compliance with all other requirements imposed by or pursuant to Title 49, Code of Federal Regulations, U.S. DOT, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in Federally-assisted programs of the U.S. DOT — Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(4) In the event that this instrument grants a lease, license, or permit and any of the above non-discrimination covenants is breached, then the State of Ohio, Department of Transportation, shall have the unfettered right to terminate the lease, license or permit and to re-enter and repossess the above-described property and hold the same as if said lease, license or permit had never been made or issued.

This permit is granted subject to the following attached conditions:

This permit is replacing and voiding the aproved permit sent to customer 09/26/2023 per request of the customer.

(the remainder of this page is left blank intentionally)



CL OF PROPOSED DRIVEWAY
N 524016.78
E 1521110.70
(MATCH EXISTING ROAD EL)

EXISTING OVERHEAD ELECTRIC LINE

PROPERTY LINE

EXISTING LIGHT POLE (TYP)

15' R.O.W.

EDGE OF EXISTING PAVEMENT

3'4"

R=50.00
N 523959.98
E 1521046.70

18" PIPE CULVERT
- WITH 18" MINIMUM COVER

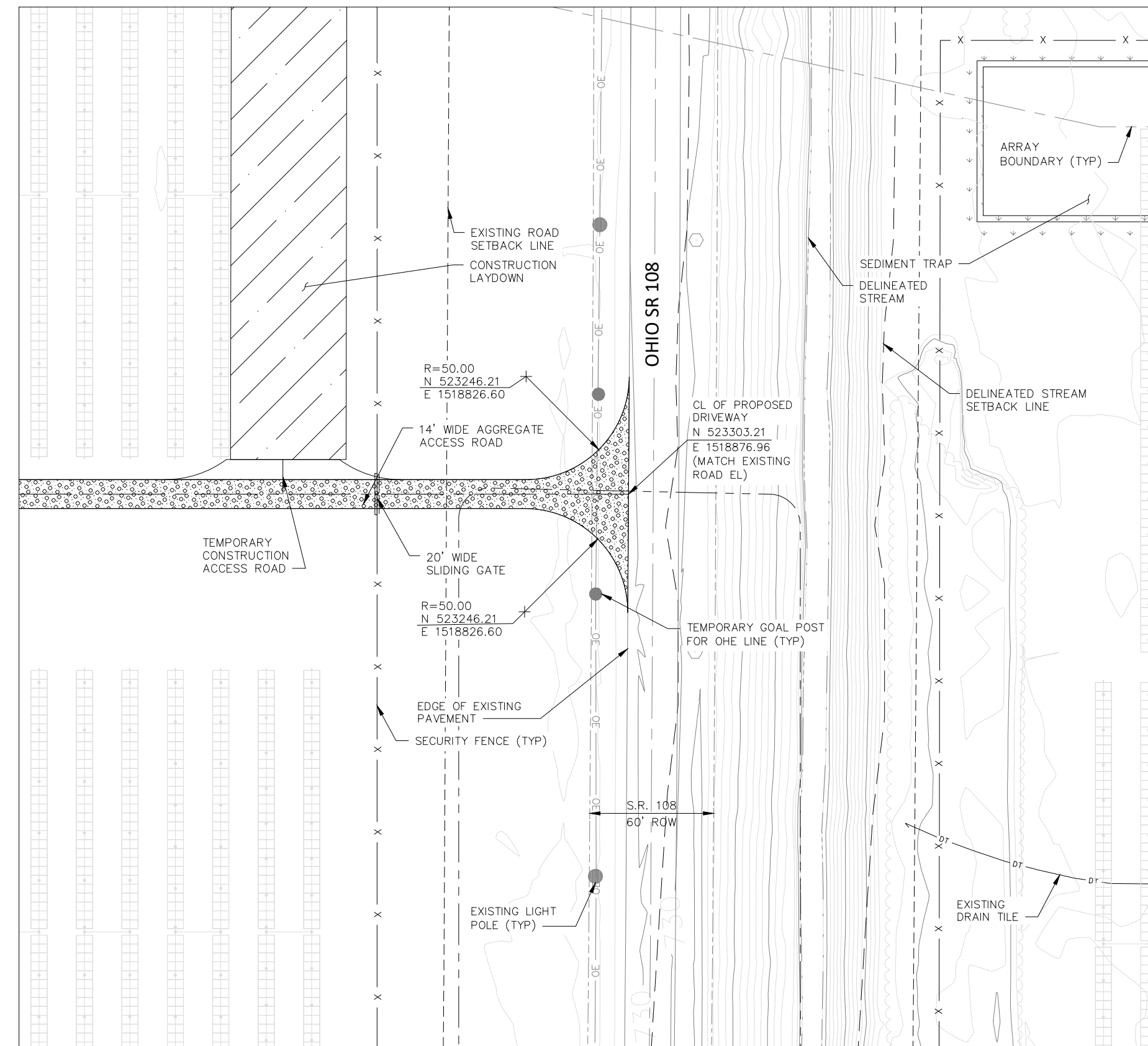
EXISTING ROAD SETBACK LINE

CONSTRUCTION LAYDOWN

R=50.00
N 523959.70
E 1521174.70

14' WIDE AGGREGATE ACCESS ROAD

HIGHWAY 613 (OHIO SR 613)

[illegible]

Plan view of proposed driveway and access road layout. The diagram shows a 14' wide aggregate access road (hatched area) connecting to Highway 613 (Ohio SR 613). Key features include:

- 14' WIDE AGGREGATE ACCESS ROAD**: The proposed driveway area.
- EXISTING ROAD SETBACK LINE**: Indicated by a dashed line.
- TEMPORARY GOAL POST FOR OHE LINE**: Located at the intersection of the access road and the existing overhead electric line.
- EXISTING OVERHEAD ELECTRIC LINE**: Shown as a line with cross-ticks.
- CL OF PROPOSED DRIVEWAY**: Centerline of the proposed driveway.
- EXISTING DRAIN TILE**: Indicated by a dashed line.
- EDGE OF EXISTING PAVEMENT**: Indicated by a dashed line.
- NEW OVERHEAD ELECTRIC LINE**: Proposed line, shown as a line with cross-ticks.
- S.R. 613 60' ROW**: Right-of-way boundary for Highway 613.

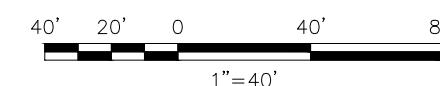
Curved boundary dimensions (R=50.00):

- Left side: N 524063.21, E 1524974.63
- Right side: N 524061.97, E 1525088.63
- Bottom side: N 524012.58, E 1525032.22 (MATCH EXISTING ROAD EL)



BLACK
&
VEATCH

11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER COA.01645



I HEREBY CERTIFY THAT THIS DOCUMENT WAS
PREPARED BY ME OR UNDER MY DIRECT SUPER-
VISION AND THAT I AM A DULY REGISTERED PRO-
FESSIONAL ENGINEER UNDER THE LAWS OF THE
STATE OF OHIO

SIGNED	ANDY NGUYEN		
DATE	10/03/23	REG NO.	PE-89364



1. FOR GENERAL NOTES AND LEGEND AS APPLICABLE, REFER COVER SHEET DRAWING PCS-C-DS-820-00.
2. FOR LOCATION OF THE DRIVEWAYS, REFER DRAWING NUMBER PCS-C-DS-820-05.


























LEGEND

	NEW PERMANENT ROAD		TEMPORARY GOAL POST FOR ONE LANE
	NEW SECURITY FENCE		EXISTING LIGHT POLE
	NEW TEMPORARY ELECTRIC OVERHEAD LINE		NEW CULVERT
	PROPERTY LINE		CONSTRUCTION LAYDOWN AREA
	SETBACK LINE		FEMA ZONE
	ARRAY BOUNDARY		8" NON-REINFORCED CONCRETE DRIVEWAY (4000 PSI)
	TEMPORARY FENCE		SEDIMENT TRAP
	EXISTING ROAD		LOW WATER CROSSING
	EXISTING FENCE		EXISTING CONTOUR
	DELINEATED STREAM (50' SETBACK)		NEW CONTOUR
	EXISTING OVERHEAD ELECTRIC LINE		
	EXISTING DRAIN TILE		
	EXISTING WATER LINE		
	14" WIDE AGGREGATE ACCESS ROAD		

NOT TO BE USED
FOR CONSTRUCTION

ENGINEERING RECORD	DATE	POWELL CREEK SOLAR, LLC			
DRAWN: BBG	03/OCT/23	POWELL CREEK PV SOLAR PROJECT			
DESIGNED: CBA	03/OCT/23	DRIVEWAYS PLANS - 1			
CHECKED: AVN	03/OCT/23				
APPROVED: AJC	03/OCT/23				
CADFILE: PCS-C-DS-820-01		SCALE: 40"=1'	DWGNO: PCS-C-DS-820-01	SHEET 01	REV 0

Table 6H-2. Meaning of Symbols on Typical Application Diagrams

	Arrow board		Shadow vehicle
	Arrow board support or trailer (shown facing down)		Sign (shown facing left)
	Changeable message sign or trailer		Surveyor
	Channelizing device		Temporary barrier
	Crash cushion		Temporary barrier with warning light
	Direction of temporary traffic detour		Traffic or pedestrian signal
	Direction of traffic		Truck-mounted attenuator
	Flagger		Type 3 barricade
	High-level warning device (Flag tree)		Warning light
	Longitudinal channelizing device		Work space
	Luminaire		Work Vehicle
	Pavement markings that should be removed for a long-term project		

TA-10
Lane ~~for~~ closure
~~closure~~
OF A TWO LANE
ROAD - WITH FLAGGERS

Table 6H-3. Meaning of Letter Codes on Typical Application Diagrams

Road Type	Distance Between Signs (Feet) **		
	A	B	C
Urban (low speed) *	100	100	100
Urban (high speed) *	350	350	350
Rural	500	500	500
Expressway / Freeway	1,000	1,500	2,640

* Speed category to be determined by highway agency.

** The column headings A, B, and C are the dimensions shown in Figures 6H-1 through 6H-46. The A dimension is the distance from the transition or point of restriction to the first sign. The B dimension is the distance between the first and second signs. The C dimension is the distance between the second and third signs. (The "first sign" is the sign in a three-sign series that is closest to the TTC zone. The "third sign" is the sign that is furthest upstream from the TTC zone.)

Table 6H-4. Formulas for Determining Taper Lengths

Speed (S)	Taper Length (L) in Feet
40 mph or less	$L = \frac{WS^2}{60}$
45 mph or more	$L = WS$

Where: L = taper length in feet
W = width of offset in feet
S = posted speed limit, or off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

Notes for Figure 6H-10—Typical Application 10
Lane Closure on a Two-Lane Road Using Flaggers

Option:

1. For low-volume situations with short work zones on straight roadways where the flagger is visible to road users approaching from both directions, a single flagger, positioned to be visible to road users approaching from both directions, may be used (see Chapter 6E).
2. The ROAD WORK AHEAD and the END ROAD WORK signs may be omitted for short-duration operations.
3. Flashing warning lights and/or flags may be used to call attention to the advance warning signs. A BE PREPARED TO STOP sign may be added to the sign series.

Guidance:

4. *The buffer space should be extended so that the two-way traffic taper is placed before a horizontal (or crest vertical) curve to provide adequate sight distance for the flagger and a queue of stopped vehicles.*

Standard:

5. **At night, flagger stations shall be illuminated, except in emergencies.**

Guidance:

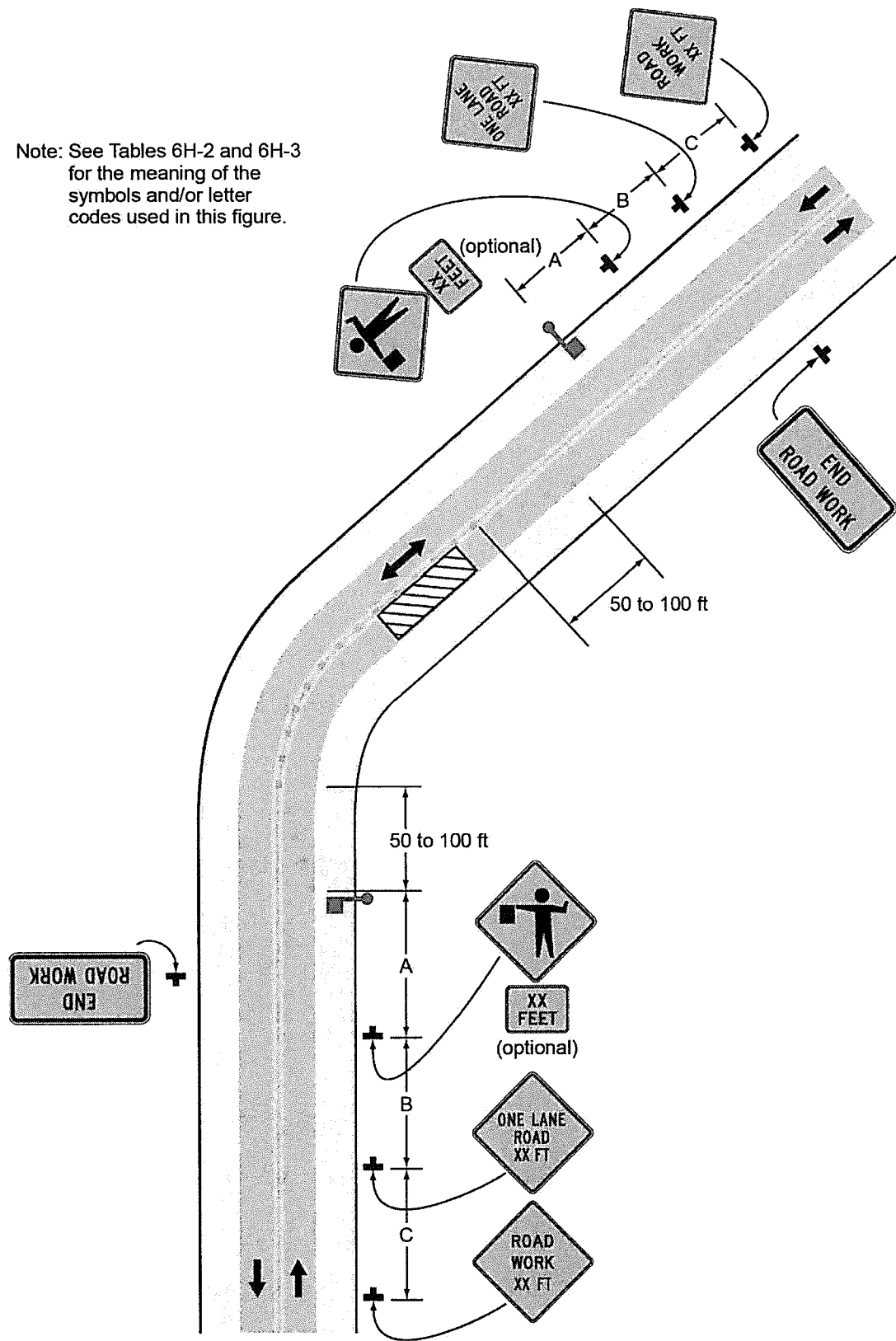
6. *When used, the BE PREPARED TO STOP sign should be located between the Flagger sign and the ONE LANE ROAD sign.*
7. *When a grade crossing exists within or upstream of the transition area and it is anticipated that queues resulting from the lane closure might extend through the grade crossing, the TTC zone should be extended so that the transition area precedes the grade crossing.*
8. *When a grade crossing equipped with active warning devices exists within the activity area, provisions should be made for keeping flaggers informed as to the activation status of these warning devices.*
9. *When a grade crossing exists within the activity area, drivers operating on the left-hand side of the normal center line should be provided with comparable warning devices as for drivers operating on the right-hand side of the normal center line.*
10. *Early coordination with the railroad company or light rail transit agency should occur before work starts.*

Option:

11. A flagger or a uniformed law enforcement officer may be used at the grade crossing to minimize the probability that vehicles are stopped within 15 feet of the grade crossing, measured from both sides of the outside rails.

Figure 6H-10. Lane Closure on a Two-Lane Road Using Flaggers (TA-10)

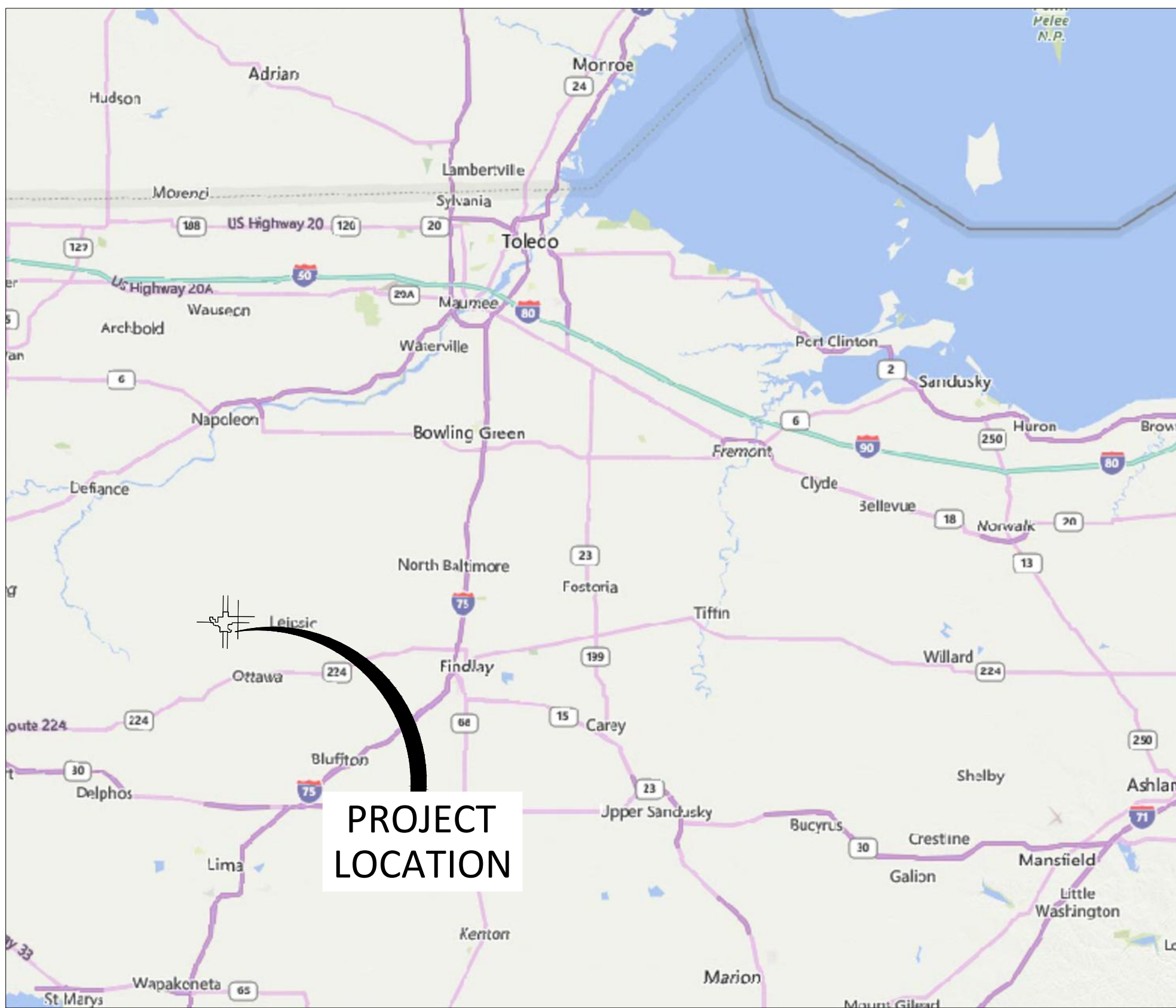
Note: See Tables 6H-2 and 6H-3 for the meaning of the symbols and/or letter codes used in this figure.

**Typical Application 10**

POWELL CREEK SOLAR PROJECT

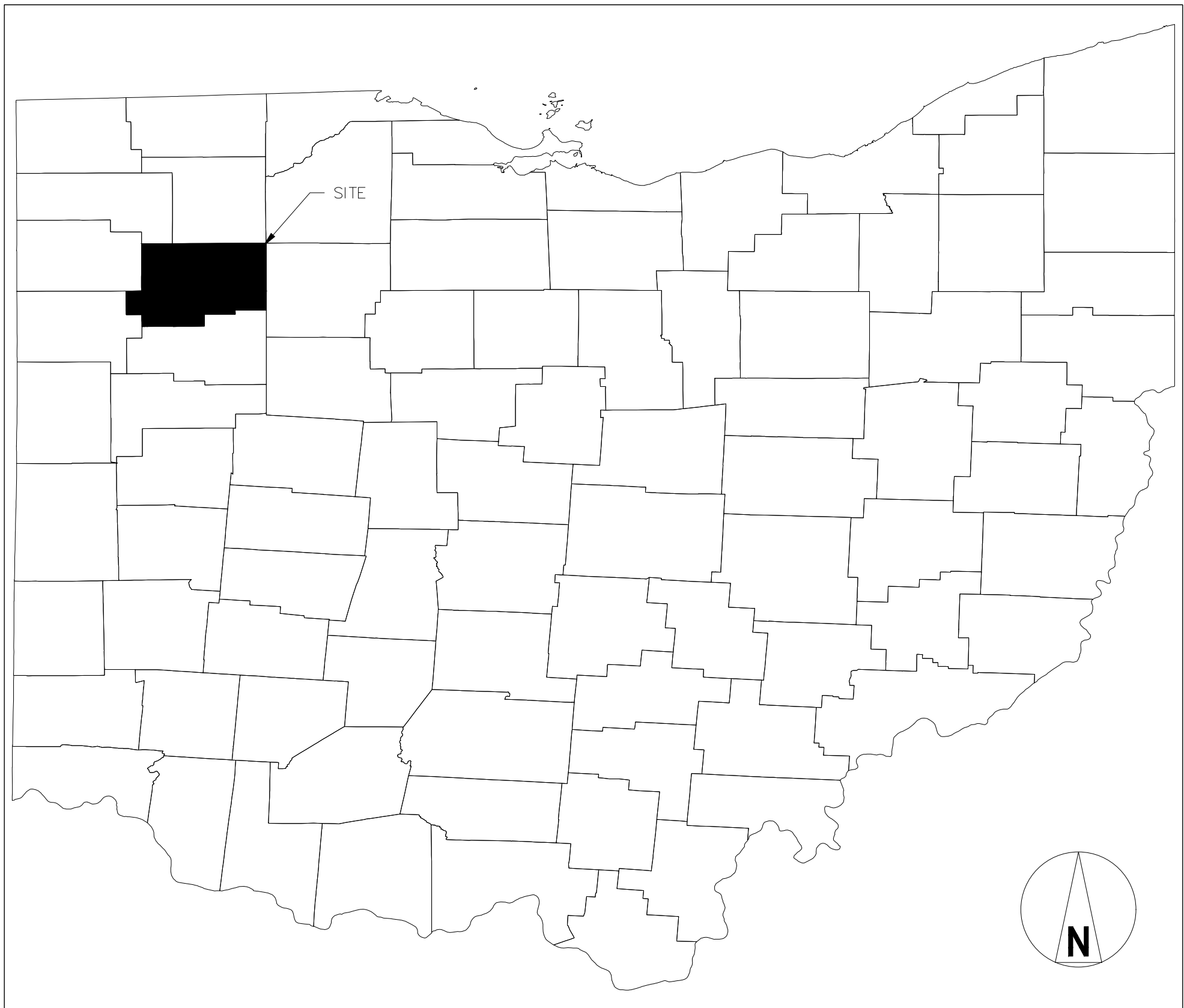
PUTNAM COUNTY, OHIO

CIVIL SET



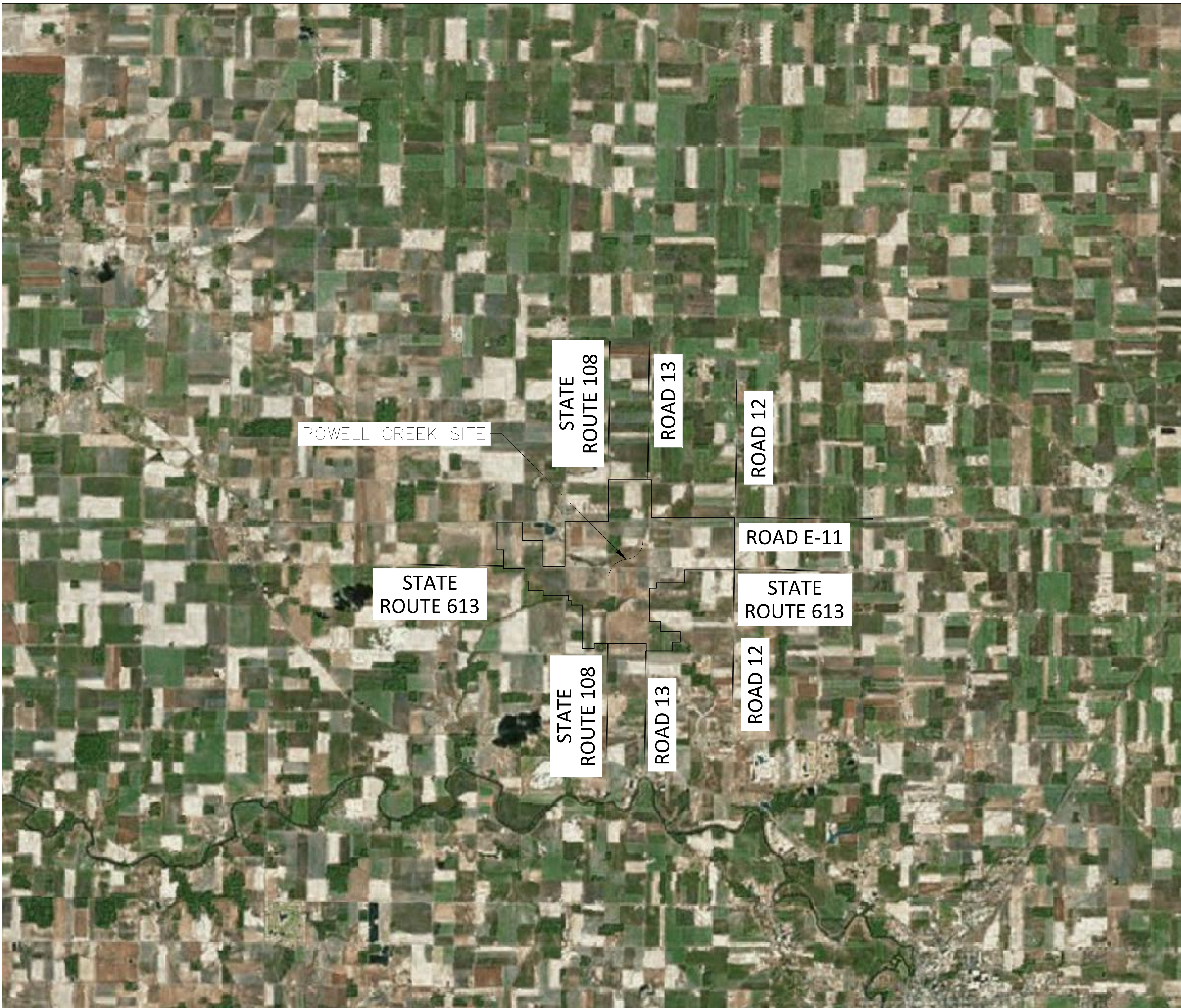
VICINITY MAP

NO SCALE



STATE MAP

NO SCALE



SITE MAP

NO SCALE

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF OHIO

SIGNED _____ XX

DATE ____XX/XX/XX____ REG NO. _____ XX

THIS RECORD DOCUMENT IS A COMPILED REPRESENTATION OF THE CONSTRUCTED PROJECT. WHILE THIS INFORMATION IS BELIEVED TO BE RELIABLE TO THE BEST OF THE ENGINEERS KNOWLEDGE, THE ACCURACY CANNOT BE GUARANTEED AND SHALL BE VERIFIED IF USED BY OTHERS FOR ANY REASON OR PURPOSE BEYOND COMPLETION OF THE ORIGINAL PROJECT.

THE DISTRIBUTION AND USE OF THE NATIVE FORMAT CAD FILE OF THIS DRAWING IS UNCONTROLLED. THE USER SHALL VERIFY TRACEABILITY OF THIS DRAWING TO THE LATEST CONTROLLED VERSION.

COVER SHEET INDEX	
SHEET NUMBER	SHEET TITLE
PCS-C-DS-B20-00	POWELL CREEK PV SOLAR PROJECT PUTNAM CO AND ODOT DRIVEWAY COVER SHEET
PCS-C-DS-B20-01	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS PLANS - 1
PCS-C-DS-B20-02	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS PLANS - 2
PCS-C-DS-B20-03	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS PLANS - 3
PCS-C-DS-B20-04	POWELL CREEK SOLAR DRIVEWAY - TYP. DETAILS AND SECTIONS
PCS-C-DS-B20-05	POWELL CREEK PV SOLAR PROJECT DRIVEWAYS - TEMPORARY AND PERMANENT ACCESS PLAN

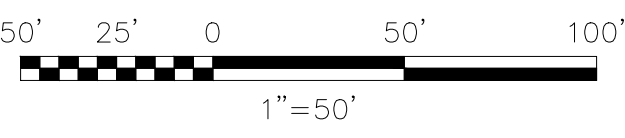
APPLICANTS/LESSEE/PROJECT DEVELOPER:

ENGINEER:
BLACK & VEATCH CORPORATION
11401 LAMAR AVE
OVERLAND PARK, KS 66211
CONTACT: _____

NO.	REVISIONS	DATE	BY	CHK	APR	NO.	REVISIONS	DATE	BY	CHK	APR
1	ISSUED FOR IN-HOUSE REVIEW	24/AUG/23	BBG	AVN	AJC						
2	ISSUED FOR PERMITTING	18/SEP/23	BBG	AVN	AJC						



11401 LAMAR AVENUE
OVERLAND PARK, KANSAS 66211
OHIO ENGINEERING CREDENTIAL
NUMBER COA.01645



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SIGNED _____ ANDY NGUYEN
DATE ____09/18/23____ REG NO. ____PE-89364____



ENGINEERING RECORD	DATE
DRAWN: BBG	18/SEP/23
DESIGNED: CBA	18/SEP/23
CHECKED: AVN	18/SEP/23
APPROVED: AJC	18/SEP/23
CADFILE: PCS-C-DS-B20-00	SCALE: NO SCALE [DWG: NO PCS-C-DS-B20-00]

POWELL CREEK SOLAR, LLC POWELL CREEK PV SOLAR PROJECT DRIVEWAY - COVER SHEET AND SHEET INDEX
SHEET 01
REV 0

**This foregoing document was electronically filed with the Public Utilities
Commission of Ohio Docketing Information System on**

11/10/2023 10:58:47 AM

in

Case No(s). 20-1084-EL-BGN

Summary: Notice of Compliance with Condition No. 25 - Transportation Permits
electronically filed by Teresa Orahoad on behalf of Herrnstein, Kara.