

FHWA-Indiana Environmental Document
CATEGORICAL EXCLUSION / ENVIRONMENTAL ASSESSMENT FORM
GENERAL PROJECT INFORMATION

Road No./County:

Interstate 70 (I-70) Eastbound (EB) / Vigo County

Designation Number(s):

1902855

Project Description/Termini:

Clear Creek Welcome Center modernization and improvement project, at Mile Marker 2, between the Illinois/Indiana State Line and Terre Haute.

Project termini begins at the Clear Creek Welcome Center and will extend approximately 2,270 feet (ft.) east to west along I-70 EB, adjacent to the existing rest area; from approximately 45 ft. south of I-70 EB at the western project limits to 30 ft. north of West 21st Road, at the southern project limits, and extending approximately 2,130 ft. east along West 21st Road. The proposed sanitary sewer route runs north from the existing rest area to West Old US 40, turning east to the west side of West Gorham Place, then north to approximately 40 ft. north of West National Avenue, continuing west for approximately 130 ft. to connect with the existing lift station, for a total length of approximately 1.2 miles.

	Categorical Exclusion, Level 2 – Required Signatories: INDOT DE and/or INDOT ESD
X	Categorical Exclusion, Level 3 – Required Signatories: INDOT ESD
	Categorical Exclusion, Level 4 – Required Signatories: INDOT ESD and FHWA
	Environmental Assessment (EA) – Required Signatories: INDOT ESD and FHWA
	Additional Investigation (AI) – The proposed action included a design change from the original approved environmental document. Required Signatories must include the appropriate environmental approval authority

Approval

INDOT DE Signature and Date

INDOT ESD Signature and Date

FHWA Signature and Date

Release for Public Involvement

RZK January 6, 2023

INDOT DE Initials and Date

INDOT ESD Initials and Date

Certification of Public Involvement

INDOT Consultant Services Signature and Date

INDOT DE/ESD Reviewer Signature and Date:

Randy Jane Kurtz January 6, 2023

Name and Organization of CE/EA Preparer:

Joshua Netherton, Metric Environmental, LLC

Note: Refer to the most current INDOT CE Manual, guidance language, and other ESD resources for further guidance regarding any section of this form.

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Part I – Public Involvement

Every Federal action requires some level of public involvement, providing for early and continuous opportunities throughout the project development process. **The level of public involvement should be commensurate with the proposed action.**

Does the project have a historic bridge processed under the Historic Bridges PA*?	Yes	No
	<input type="checkbox"/>	<input checked="" type="checkbox"/>
If No, then:		
Opportunity for a Public Hearing Required?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

*A public hearing is required for all historic bridges processed under the Historic Bridges Programmatic Agreement between INDOT, FHWA, SHPO, and the ACHP.

Discuss what public involvement activities (legal notices, letters to affected property owners and residents (i.e. notice of entry), meetings, special purpose meetings, newspaper articles, etc.) have occurred for this project.

Notice of Entry letters were mailed to potentially affected property owners near the project area on June 3, 2022, notifying them about the project and that individuals responsible for land surveying and field activities may be seen in the area. A sample copy of the Notice of Entry letter is included in Appendix G: G-1.

Section 106

To meet the public involvement requirements of Section 106, a legal notice of FHWA's finding of "No Historic Properties Affected" was published in the *Tribune Star* on November 7, 2022, offering the public an opportunity to submit comment pursuant to 36 CFR 800.2(d), 800.3(e), and 800.6(a)(4). The public comment period closed 30 days later, on December 7, 2022. The text of the public notice and the affidavit of publication appear in Appendix D: D-66 to D-69. No comments were received from the public in response to the notice.

The project will meet the minimum requirements described in the current *Indiana Department of Transportation (INDOT) Project Development Public Involvement Procedures Manual* which requires the project sponsor to offer the public an opportunity to submit comments and/or request a public hearing. Therefore, a legal notice will appear in a local publication contingent upon the release of this document for public involvement. This document will be revised after the public involvement requirements are fulfilled.

Public Controversy on Environmental Grounds

Discuss public controversy concerning community and/or natural resource impacts, including what is being done during the project to minimize impacts.

At this time, there is no substantial public controversy concerning impacts to the community or to natural resources.

Part II - General Project Identification, Description, and Design Information

Sponsor of the Project: Indiana Department of Transportation (INDOT) INDOT District: CrawfordsvilleLocal Name of the Facility: N/AFunding Source (mark all that apply): Federal State Local Other* *If other is selected, please identify the funding source: N/AThis is page 2 of 33 Project name: Clear Creek Welcome Center Modernization Date: January 3, 2023

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PURPOSE AND NEED:

The need should describe the specific transportation problem or deficiency that the project will address. The purpose should describe the goal or objective of the project. The solution to the traffic problem should NOT be discussed in this section.

Need

The existing I-70 Clear Creek Welcome Center was built in 1992. The existing parking lot and wastewater treatment plant is now undersized for the current and predicted future capacity demands and the existing rest area building is nearly 31 years old and is reaching the end of its useful life.

The primary need for the project is based on the lack of parking spaces. Data was obtained from the Traffic Count Database System (TCDS) that has been collected at Clear Creek Welcome Center (Appendix I: I-1 to I-2). According to 2021 TCDS data, the Clear Creek Welcome Center ramp to the parking lot showed a Design Hour Volume (DHV) of 72 vehicles (32% passenger; 68% truck). The parking lot has a total of 125 parking spots (77 passenger, 48 truck). The annual growth use in 2021 was 43% and is anticipated to continue to grow. Based on traffic data summarized in the INDOT Facilities Management Division Rest Area and Truck Parking Plan (Revised 12/28/22) the Clear Creek ramp to the parking lot showed an Average Annual Daily Traffic (AADT) of 749 vehicles in 2021 and an AADT 5-year average of 692 vehicles. Additionally, preliminary numbers indicate average peak truck occupancy (between 10:00 pm and 7:59 am) is 100% (Appendix I: I-3 to I-14). Based on traffic data obtained from https://www.in.gov/indot/resources/traffic-data/ I-70, in Vigo County, traffic count has increased from 494,000 daily vehicle miles traveled in 2006 to 603,000 in 2021 and daily commercial vehicle miles traveled has increased from 51,000 to 275,000, which were counted from 2012 to 2021.

The secondary needs pertain to the wastewater treatment plant, building size, number of restrooms and lack of information. The on-site wastewater treatment plant and building is undersized and do not support the growth of visitors nor the future need. Currently, the on-site wastewater treatment plant is required to be maintained, which is not cost effective. There is a lack of regional information at the facility that would provide the traveling public the opportunity to learn from interpretive exhibits and design elements.

Purpose

The purpose of this project is to reduce the vehicle parking congestion at the I-70 Clear Creek Welcome Center, provide a sewage utility that does not require additional costs to maintain and operate, a larger building with more restrooms and interpretive exhibits, all which will support current and future capacity. Additionally, this project is a part of INDOT's comprehensive Rest Area and Truck Parking Plan, which provides guidelines for the future construction and maintenance of the agency's rest area portfolio.

PROJECT DESCRIPTION (PREFERRED ALTERNATIVE):

County: Vigo

Municipality: N/A

Limits of Proposed Work: Approximately 2,270 ft. east to west along I-70 EB; approximately 45 ft. south of I-70 EB at western project limits to approximately 30 ft. north of West 21st Road, at southern project limits, extending approximately 2,130 ft. east along West 21st Road. The proposed sanitary sewer route runs north from existing rest area to West Old US 40, turning east to the west side of West Gorham Place, north to approximately 40 ft. north of West National Avenue, west for approximately 130 ft. to the existing lift station, for a total length of approximately 1.2 miles. See termini discussion on first page.

Total Work Length: 1.2 Mile(s)

Total Work Area: 52.5 Acre(s)

Is an Interstate Access Document (IAD)¹ required?
If yes, when did the FHWA provide a Determination of Engineering and Operational Acceptability?

Yes¹ No
Date: X

¹If an IAD is required; a copy of the approved CE/EA document must be submitted to the FHWA with a request for

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final approval of the IAD.

Describe location of project including township, range, city, county, roads, etc. Existing conditions should include current conditions, current deficiencies, roadway description, surrounding features, etc. Preferred alternative should include the scope of work, anticipated impacts, and how the project will meet the Purpose and Need. Logical termini and independent utility also need discussed.

The INDOT and the Federal Highway Administration (FHWA) intend to proceed with a welcome center improvement and modernization project on I-70 EB in Vigo County.

Location:

The project is located on I-70 EB, in Vigo County, Indiana, between the Illinois/Indiana State Line and Terre Haute, at mile marker 2 (Appendix B: B-1). Specifically, the project is located in Sections 34 and 35, Township 12 North, Range 10 West of the Dennisville, Indiana 7.5-minute United States Geological Survey (USGS) topographic quadrangle (Appendix B: B-2).

Existing Conditions:

I-70 is classified as an Interstate Highway. A typical cross section of I-70 EB in the project area consists of two 12-foot (ft.) wide through-lanes, adjoined by variable width paved shoulders in each direction. The posted speed limit on I-70 EB is 70 miles per hour (mph) for vehicles under 13 ton and 65 mph for trucks over 13 ton. Land use in the vicinity of the project is primarily residential and forested.

The existing I-70 EB Welcome Center opened in 1992, and it offers 77 parking spots for cars (including accessible parking) and 48 spots for trucks as well as a sheltered picnic area. The existing facility, which encompasses approximately 52.5 acres, has reached the end of its useful life. The Welcome Center building and its adjacent parking lot are currently undersized for the demand required. The existing facility does not offer most of the required modernizations, and its water and sewer lines and parking lot are undersized for current demand and will not accommodate future needs.

The existing area along the proposed sanitary sewer route currently consists of agricultural land, maintained grass ROW, residential properties, and forested patches. No sanitary sewer facilities currently exist along the route, with the exception of the project terminal end in West Terre Haute. The project terminal end in West Terre Haute includes a residential neighborhood.

Preferred Alternative:

INDOT's Rest Area and Truck Parking Plan (Appendix I: I-3 to I-14) calls for modernizing the state's rest areas and welcome centers by the end of 2030 to include family restrooms, ADA accessibility, pet areas, walking trails, and other design and tourism amenities.

The preferred alternative is to demolish and replace the existing welcome center building, including architectural, structural, and mechanical services and to reconfigure the parking lot to increase parking spaces, reconstruct the entrance and exit ramps, add landscaping elements, new lighting, and new water and sewer line installations. The existing Truck Parking Information Management System (TPIMS), at mile marker 142.2 (Illinois), which provides drivers with information such as the number of available parking spots at rest areas in real time, is to remain with no changes. INDOT's Intelligent Transportation System (ITS) is to verify that the new rest area ITS is connected to the sign, as required, at completion of the project. The project area encompasses 52.5 acres and includes the addition of a sewer line.

The new sewer line route will begin at the north driveway of the Clear Creek Welcome Center, extending north along the transmission line corridor to the south side of West Old US 40, utilizing Horizontal Directional Drilling (HDD)/trenchless boring underground. The sewer line turns east following the south side of West Old US 40 to about 100 ft. west of Vigo County Bridge 252 (HB-2287), where the line diverts southeast about 225 ft. The line then turns northeast to parallel West Old US 40 for about 460 ft. when the line turns north for about 230 ft. to return to the south side of West Old US 40. The line continues to parallel West Old US 40 to where it terminates at South Thorpe Place. A tie-in line extends north at South Gorham Place extending the line to the 40 West Mobile Home Park on the north side

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of National Avenue, connecting to the existing lift station. Construction of the wastewater pipe will involve horizontal directional drilling along the project area and roads that make up the route. Project plan sheets can be found in Appendix B: B-37 to B-90.

Demolition of five buildings (Welcome Center Building ID 840301; Outbuilding, Building ID 840310; Outbuilding, Building ID 840311; Outbuilding, Building ID 840313, and Outbuilding, Building ID 840314) will occur, and removing the existing on-site waste treatment infrastructure to facilitate construction of the new proposed sanitary sewer route (Appendix B: B-40 to B-41). All existing signs and light poles within the limits of the rest area will be removed. All existing pavement and sidewalks will be removed. Unless indicated on the plans to remain, all existing underground drainage pipes, water lines, sanitary sewers will be removed. All existing electric utilities will not be disturbed, and connection will be maintained throughout construction.

The improvements at the Clear Creek Welcome Center includes construction of a new welcome center building, trucker rest rooms, lift station, American with Disabilities Act (ADA) compliant sidewalks, curbs and ramps, cell tower, parking, fence, guardrail, landscaping, lighting, and storm drains.

The proposed lift station on the north side of the rest area will be approximately 11 ft. by 20 ft. and will include a 6 ft. diameter wet well and a sanitary manhole. Full details and the exact location can be found in Appendix B: B-80.

Approximately 10.46 acres of new permanent ROW will be required on the east side of the Clear Creek Welcome Center to expand the parking lot (Appendix B: B-91), and 6 easements (0.56 acre permanent easements; 0.28 acre temporary easements) will be required for installation of the new sanitary sewer route.

Anticipated stream impacts below the ordinary high water mark (OHWM) of Unnamed Tributary (UNT) 1 to Clear Creek include a total of 200 linear ft. (0.046 acres) of permanent impacts and no temporary impacts (Appendix B: B-68 and B-67). Anticipated stream impacts below the OHWM of UNT 5 to Clear Creek include a total of 55 linear ft. (0.017 acres) of permanent impacts and no temporary impacts (Appendix B: B-99). No other impacts to streams are anticipated as a result of the project. No permanent or temporary impacts to wetlands are anticipated. An IDEM Individual Section 401 Water Quality Certification Permit and a USACE Section 404 Nationwide Permit (NWP) will be needed, due to the anticipated permanent impacts to UNT 1 to Clear Creek and UNT 5 to Clear Creek. No other permits will be required as a result of stream or wetland impacts from the project. Approximately 15.06 acre of terrestrial habitat disturbance is anticipated. A Construction Stormwater General Permit (CSGP) will be required, due to greater than one acre of land disturbance. This amount includes approximately 6.15 acres of tree removal due to construction of the Clear Creek Welcome Center and new sanitary sewer route (Appendix B: B-54 to B-56). Mitigation will likely be required, due to the amount of terrestrial bat habitat impacts within 100-300 ft. of existing pavement.

Construction is anticipated to begin in Fall 2023 and will be completed by Fall 2024. The maintenance of traffic (MOT) plan will include unlighted advanced warning signage, barricades, and full closure of the rest area during construction (Appendix B: B-39). Additional details are provided in the MOT Section of this document. The preferred alternative will meet the purpose and need of the project by improving the existing rest area to meet current capacity demands and future needs.

Logical Termini/Independent Utility:

Project limits at the Clear Creek Welcome Center will extend approximately 2,270 ft. east to west along I-70 EB, adjacent to the existing rest area; from approximately 45 ft. south of I-70 EB at the western project limits to 30 ft. north of West 21st Road, at the southern project limits, and extending approximately 2,130 ft. east along West 21st Road. The proposed sanitary sewer route runs north from the existing rest area to West Old US 40, heads east to the west side of West Gorham Place, then turns north to approximately 40 ft. north of West National Avenue, continuing for approximately 130 ft. west to connect with the existing lift station, for a total length of approximately 1.2 miles. Project plan sheets are provided in Appendix B: B-37 to B-90. The project termini are logical because they encompass only the area necessary to reconstruct and modernize the welcome center and tie the improvements into I-70 EB with no traffic disruptions. The project has independent utility, as it does not depend on the construction of a secondary project. The project will not limit the consideration of alternatives for any future projects in the area.

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OTHER ALTERNATIVES CONSIDERED:

Provide a header for each alternative. Describe all discarded alternatives, including the No Build Alternative. Explain why each discarded alternative was not selected. Make sure to state how each alternative meets or does not meet the Purpose and Need and why.

No Build Alternative

This alternative allows the existing facilities to remain in place with no improvements and no financial cost or environmental impacts. This alternative does not meet the purpose and need of the project, because it does not address the deterioration of the existing structure and will lead to the premature need for more substantial remediation or even structure replacement. Therefore, this alternative has been dismissed from further consideration.

Option B – Darwin Road Route

This alternative would involve a duplex grinder station at the Clear Creek Rest Area, then the proposed sanitary sewer force main would cross I-70 and continue north to Old US 40. From there, the route would continue east to Darwin Road where it would connect to an existing 8-inch gravity sewer. Due to terrain issues and the apparent location of other utilities, the sanitary sewer route length for Option B would 2.5 miles of 3-inch force main. This option does meet the purpose and need of the project, but is not practicable, due to requiring more than double the length of sewer infrastructure, compared to the preferred alternative (Appendix I: I-15 to I-19). Therefore, this alternative has been dismissed from further consideration.

Based on the Rest Area and Truck Parking Plan no other alternatives were considered.

The No Build Alternative is not feasible, prudent or practicable because (Mark all that apply):

- It would not correct existing capacity deficiencies;
- It would not correct existing safety hazards;
- It would not correct the existing roadway geometric deficiencies;
- It would not correct existing deteriorated conditions and maintenance problems; or
- It would result in serious impacts to the motoring public and general welfare of the economy.
- Other (Describe): _____

X

ROADWAY CHARACTER:

If the proposed action includes multiple roadways, complete and duplicate for each roadway.

Name of Roadway: No roadways are planned to be impacted during this project.
 Functional Classification: _____
 Current ADT: _____ VPD (20--) Design Year ADT: _____ VPD (20--)
 Design Hour Volume (DHV): _____ Truck Percentage (%) _____
 Designed Speed (mph): _____ Legal Speed (mph): _____

	Existing	Proposed
Number of Lanes:		
Type of Lanes:		
Pavement Width:	_____ ft.	_____ ft.
Shoulder Width:	_____ ft.	_____ ft.
Median Width:	_____ ft.	_____ ft.
Sidewalk Width:	_____ ft.	_____ ft.

Setting: Urban Suburban Rural
 Topography: Level Rolling Hilly

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BRIDGES AND/OR SMALL STRUCTURE(S):

If the proposed action includes multiple structures, complete and duplicate for each bridge and/or small structure. Include both existing and proposed bridge(s) and/or small structure(s) in this section.

Structure/NBI Number(s): Culvert 3 (CV 6) Sufficiency Rating: N/A
(Rating, Source of Information)

	Existing		Proposed
Bridge/Structure Type:	110 ft. long and 36-inch diameter reinforced concrete pipe (RCP)		110 ft. long and 42-inch diameter RCP
Number of Spans:	1		1
Weight Restrictions:	N/A	ton	N/A
Height Restrictions:	N/A	ft.	N/A
Curb to Curb Width:	N/A	ft.	N/A
Outside to Outside Width:	N/A	ft.	N/A
Shoulder Width:	N/A	ft.	N/A

Structure/NBI Number(s): Culvert 4 Sufficiency Rating: N/A
(Rating, Source of Information)

	Existing		Proposed
Bridge/Structure Type:	84 ft. long 36-inch diameter RCP		84 ft. long 36-inch diameter RCP
Number of Spans:	1		1
Weight Restrictions:	N/A	ton	N/A
Height Restrictions:	N/A	ft.	N/A
Curb to Curb Width:	N/A	ft.	N/A
Outside to Outside Width:	N/A	ft.	N/A
Shoulder Width:	N/A	ft.	N/A

Describe impacts and work involving bridge(s), culvert(s), pipe(s), and small structure(s). Provide details for small structure(s): structure number, type, size (length and dia.), location and impacts to water. Use a table if the number of small structures becomes large. If the table exceeds a complete page, put it in the appendix and summarize the information below with a citation to the table.

Culvert 3 (CV 6)

Culvert 3 (CV6) is an approximately 110 ft. long and 36-inch diameter RCP located under the existing rest area exit ramp to I-70 EB. This culvert is associated with UNT 1 to Clear Creek. CV 6 will be replaced with a new 110 ft. long and 42-inch diameter RCP. An 18-inch thick revetment riprap apron will be placed at the eastern outlet (Appendix B: B-68).

Culvert 4

Culvert 4 is an approximately 84 ft. long 36-inch diameter RCP located under the existing rest area entrance ramp from I-70 EB. Culvert 4 will be replaced with a new 36-inch diameter RCP (Appendix B: B-68).

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MAINTENANCE OF TRAFFIC (MOT) DURING CONSTRUCTION:

	Yes	No
Is a temporary bridge proposed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is a temporary roadway proposed?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project involve the use of a detour or require a ramp closure? (describe below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Provisions will be made for access by local traffic and so posted.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Provisions will be made for through-traffic dependent businesses.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Provisions will be made to accommodate any local special events or festivals.	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the proposed MOT substantially change the environmental consequences of the action?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is there substantial controversy associated with the proposed method for MOT?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Will the project require a sidewalk, curb ramp, and/or bicycle lane closure? (describe below)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Provisions will be made for access by pedestrians and/or bicyclist and so posted (describe below).	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discuss closures, detours, and/or facilities (if any) that will be provided for maintenance of traffic. Any known impacts from these temporary measures should be quantified to the extent possible, particularly with respect to properties such as Section 4(f) resources and wetlands. Discuss any pedestrian/bicycle closures. Any local concerns about access and traffic flow should be detailed as well.

The MOT for the project will require a full closure of the existing Clear Creek Welcome Center ramps, utilizing unlighted advanced warning signage to warn motorists of the site closure and barricades to prevent access to the site by traveling motorists. Traffic on I-70 EB will be maintained for the duration of the project. MOT measures will be removed upon completion of the project. MOT details can be found in the project plans (Appendix B: B-39).

The closures/lane restrictions will pose a temporary inconvenience to traveling motorists (including school buses and emergency services); however, no significant delays are anticipated, and all inconveniences and delays will cease upon project completion.

ESTIMATED PROJECT COST AND SCHEDULE:

Engineering: \$ 380,100 (2023) Right-of-Way: \$ 0 (2022) Construction: \$ 33,277,500 (2024)

Anticipated Start Date of Construction: Fall 2023

RIGHT OF WAY:

Land Use Impacts	Amount (acres)	
	Permanent	Temporary
Residential	0	0
Commercial	0	0
Agricultural	0	0
Forest	10.46	0
Wetlands	0	0
Other:	0	0
Other:	0	0
TOTAL	10.46	0

Describe both Permanent and Temporary right-of-way and describe their current use. Typical and Maximum right-of-way widths (existing and proposed) should also be discussed. Any advance acquisition, reacquisition or easements, either known or suspected, and their impacts on the environmental analysis should be discussed.

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The existing ROW is a maximum of approximately 300 ft. and a minimum of 60 ft. throughout the project area. This includes ROW surrounding the existing Clear Creek Welcome Center and ROW along the path of the proposed sanitary sewer route.

The project requires approximately 10.46 acres of permanent right-of-way (ROW), consisting of grass, shrubs, and forested land use, adjacent east of the existing Clear Creek Welcome Center parking lot and tree line to expand the paved truck parking area (Appendix B: B-91). The project also requires approximately 0.28 acre of temporary easement, of which 0.25 acre is agriculture land use and 0.03 acre is associated with Clear Creek along the sanitary sewer utility corridor. Additionally, approximately 0.56 acre of permanent easement, of which 0.50 acre is agriculture land use and 0.06 acre is associated with Clear Creek along the sanitary sewer utility corridor.

If the scope of work or permanent or temporary ROW amounts change, the INDOT Environmental Services Division (ESD) and the INDOT District Environmental Section will be contacted immediately.

Part III – Identification and Evaluation of Impacts of the Proposed Action

SECTION A - EARLY COORDINATION:

List the date(s) coordination was sent and all resource agencies that were contacted as a part of the development of this Environmental Study. Also, include the date of their response or indicate that no response was received.

Early coordination letters were sent on October 3, 2022, and December 1, 2022 (Appendix C: C-1 to C-3).

Agency	Date Sent	Response Received	Appendix C
FHWA	October 3, 2022	No Response	N/A
Indiana Geological and Water Survey (IGWS)	November 8, 2022	November 8, 2022	C-45 to C-47
Indiana Department of Environmental Management (IDEM) – Groundwater Section	October 3, 2022	October 17, 2022	C-48 to C-49
Indiana Department of Natural Resources Division of Fish and Wildlife (IDNR-DFW)	October 3, 2022	November 2, 2022	C-4 to C-6
INDOT, Crawfordsville District, Environmental Division	October 3, 2022	No Response	N/A
INDOT, Crawfordsville District, Project Manager	October 3, 2022	No Response	N/A
Natural Resources Conservation Service (NRCS) – Indiana Suboffice	October 3, 2022	October 27, 2022	C-50
U.S. Army Corps of Engineers (USACE) – Louisville District	October 3, 2022	No Response	N/A
U.S. Fish and Wildlife Service (USFWS) – Bloomington Indiana Field Office	October 3, 2022	No Response	N/A
Vigo County Floodplain Administrator	October 3, 2022	No Response	N/A
Vigo County Commissioners	October 3, 2022	No Response	N/A
Vigo County Surveyor	October 3, 2022	October 19, 2022	C-53 to C-54
Vigo County Highway Department	October 3, 2022	No Response	N/A
Vigo County Emergency Management	October 3, 2022	No Response	N/A
Terre Haute Area Metropolitan Planning Organization	October 3, 2022	No Response	N/A
IDEM Wetlands and Stormwater Programs	December 1, 2022	No Response	N/A
Sugar Creek Consolidated Elementary School	December 1, 2022	No Response	N/A
Big Sprouts Pre-School	December 1, 2022	No Response	N/A
IDNR Reclamation Division	December 2, 2022	December 2, 2022	C-51 to C-52

All applicable recommendations are included in the *Environmental Commitments* section of this CE document.

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SECTION B – ECOLOGICAL RESOURCES:

Streams, Rivers, Watercourses & Other Jurisdictional Features

- Federal Wild and Scenic Rivers
- State Natural, Scenic or Recreational Rivers
- Nationwide Rivers Inventory (NRI) listed
- Outstanding Rivers List for Indiana
- Navigable Waterways

Presence	Impacts	
	Yes	No
X	X	

Total stream(s) in project area: 4,662 Linear feet Total impacted stream(s): 255 Linear feet

Stream Name	Classification	Total Size in Project Area (linear feet)	Impacted linear feet	Comments (i.e. location, flow direction, likely Water of the US, appendix reference)
UNT 1 to Clear Creek	Intermittent	2006	200	Likely Water of the U.S., Appendix B: B-68 to B-69 and Appendix F: F-20 to F-22
UNT 2 to Clear Creek	Ephemeral	412	0	Likely Water of the U.S., Appendix B: B-69 and Appendix F: F-22
UNT 3 to Clear Creek	Ephemeral	52	0	Likely Water of the U.S., Appendix B: B-69 and Appendix F: F-22
UNT 4 to Clear Creek	Intermittent	1650	0	Likely Water of the U.S., Appendix B: B-69 and Appendix F: F-21 to F-22
UNT 5 to Clear Creek	Ephemeral	227	55	Likely Water of the U.S., Appendix B: B-69 and Appendix F: F-22
UNT 6 to Clear Creek	Ephemeral	315	0	Likely Water of the U.S., Appendix B: B-68 and Appendix F: F-19

Describe all streams, rivers, watercourses and other jurisdictional features adjacent or within the project area. Include whether or not impacts (both permanent and temporary) will occur to the features identified. Include if the streams or rivers are listed on any federal or state lists for Indiana. Include if features are likely subject to federal or state jurisdiction. Discuss measures to avoid, minimize, and mitigate if impacts will occur.

Based on the desktop review, the aerial map of the project area (Appendix B: B-3), and the RFI report (Appendix E: E-3 and E-12), there are twenty-one streams, rivers, watercourses, or other jurisdictional features within the 0.5-mile search radius. There are four streams, rivers, watercourses, or other jurisdictional features within or adjacent to the project area. That number was updated to six by the site visit on April 25, 2022, conducted by Metric Environmental (Metric).

A *Waters of the U.S. Determination / Wetland Delineation Report* was approved by INDOT Ecology and Water Permitting Office (EWPO) on September 22, 2022. Please refer to Appendix F: F-1 to F-36 for the *Waters of the U.S. Determination / Wetland Delineation Report*. It was determined that six likely jurisdictional waterways are present within the project area. The USACE makes all final determinations regarding jurisdiction.

UNT 1 to Clear Creek flows southwest to northeast through the Investigated Area (IA) and extends outside the limits to the east. UNT 1 to Clear Creek is approximately 2006 linear ft. (0.345 acre) long within the IA. UNT 1 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. However, the high level of flow and the presence of cut banks indicate that the stream is likely intermittent. UNT 1 to Clear Creek was not classified by the NWI, but it can be classified as Riverine, Intermittent, Streambed, Seasonally Flooded (R4SBC). The ordinary high water mark (OHWM) was 7.5 ft. wide and 0.67 ft. (8 inches) deep within the investigated area. The dominant stream substrate was sand and silt. No functional riffles or pools were observed within the stream. Limited amounts of instream cover were observed and included undercut banks. Low sinuosity and moderate current velocity were observed. Streambanks exhibited severe erosion and the riparian area was composed of deciduous forest south

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of the stream and roadside ROW north of the stream. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii*) and tall false rye grass (*Schedonorus arundinaceus*). According to USGS Indiana StreamStats on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 1 to Clear Creek being classified as poor quality. UNT 1 to Clear Creek flows northeast to Clear Creek, which flows into Wabash River, a traditionally navigable waterway (TNW). Therefore, UNT 1 to Clear Creek should be considered a jurisdictional Water of the U.S. Please refer to Appendix F: F-20 to F-22.

UNT 2 to Clear Creek flows southwest to northeast through the IA and extends outside the limits to the east. UNT 2 to Clear Creek is approximately 412 linear ft. (0.047 acre) long within the IA. UNT 2 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. This is supported by the low volume of flow during the site visit. UNT 2 to Clear Creek was not classified by the NWI, but it can be classified as a Riverine, Ephemeral stream, Corps designation R6. The OHWM was 5 ft. wide and 0.25 ft. (3 inches) deep within the investigated area. The dominant stream substrate was sand and silt. No functional riffles or pools were observed within the stream. Limited amounts of instream cover were observed and included undercut banks. Moderate sinuosity and moderate current velocity were observed. Streambanks exhibited little erosion and the riparian area was composed of deciduous forest on both sides of the stream. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included creeping buttercup (*Ranunculus repens*) and Ohio buckeye (*Aesculus glabra*). According to USGS Indiana StreamStats on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 2 to Clear Creek being classified as poor quality. UNT 2 to Clear Creek flows east to Clear Creek, which flows into Wabash River, a TNW. Therefore, UNT 2 to Clear Creek should be considered a jurisdictional Water of the U.S. Please refer to Appendix F: F-22.

UNT 3 to Clear Creek flows southwest to northeast through the IA and extends outside the limits to the east. UNT 3 to Clear Creek is approximately 52 linear ft. (0.002 acre) long within the IA. UNT 3 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. This is supported by the low volume of flow during the site visit UNT 3 to Clear Creek was not classified by the NWI, but it can be classified as a Riverine, Ephemeral stream, Corps designation R6. The OHWM was 1.5 ft. wide and 0.17 ft. (2 inches) deep within the investigated area. The dominant stream substrate was silt. No functional riffles or pools were observed within the stream. Limited amounts of instream cover were observed and included woody debris. Low sinuosity and low current velocity were observed. Streambanks exhibited little erosion and the riparian area was composed of deciduous forest on both sides of the stream. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii*) and creeping buttercup (*Ranunculus repens*). According to USGS Indiana StreamStats on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 3 to Clear Creek being classified as poor quality. UNT 3 to Clear Creek flows east to Clear Creek, which flows into Wabash River, a TNW. Therefore, UNT 3 to Clear Creek should be considered a jurisdictional Water of the U.S. Please refer to Appendix F: F-22.

UNT 4 to Clear Creek flows west to east through the IA and extends outside the limits to the east. UNT 4 to Clear Creek is approximately 1650 linear ft. (0.126 acre) long within the IA. UNT 4 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. However, the level of flow and the presence of cut banks indicate that the stream is likely intermittent. UNT 4 to Clear Creek was not classified by the NWI, but it can be classified as an R4SBC stream. The OHWM was 3.33 ft. wide and 0.25 ft. (3 inches) deep within the investigated area. The dominant stream substrate was sand and gravel. Functional riffles and pools were observed within the stream. Moderate amounts of instream cover were observed and included undercut banks and woody debris. High sinuosity and moderate current velocity were observed. Streambanks exhibited severe erosion and the riparian area was composed of deciduous forest on both sides of the stream. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii*) and May-apple (*Podophyllum peltatum*). According to USGS Indiana StreamStats on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the

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stream listed above contribute to UNT 4 to Clear Creek being classified as average quality. UNT 4 to Clear Creek flows east to Clear Creek, which flows into Wabash River, a TNW. Therefore, UNT 4 to Clear Creek should be considered a jurisdictional Water of the U.S. Please refer to Appendix F: F-21 to F-22.

UNT 5 to Clear Creek flows southwest to northeast through the IA and likely extends outside the IA into the floodplain of Clear Creek to the east. UNT 5 to Clear Creek is approximately 227 linear ft. (0.012 acre) long within the IA. UNT 5 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. This is supported by the low volume of flow during the site visit. UNT 5 to Clear Creek was not classified by the NWI, but it can be classified as a Riverine, Ephemeral stream, Corps designation R6. The OHWM was 2.25 ft. wide and 0.17 ft. (2 inches) deep within the investigated area. The dominant stream substrate was sand and silt. No functional riffles or pools were observed within the stream. Limited amounts of instream cover were observed and included woody debris. Moderate sinuosity and moderate current velocity were observed. Streambanks exhibited little erosion and the riparian area was composed of deciduous forest on both sides of the stream. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii*) and poison ivy (*Toxicodendron radicans*). Vegetation located northeast of the stream included black cherry (*Prunus serotina*), amur honeysuckle (*Lonicera maackii*), and common chickweed (*Stellaria media*) in photos 88 and 89. According to USGS Indiana StreamStats on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 5 to Clear Creek being classified as poor quality. UNT 5 to Clear Creek flows east outside the IA into the floodplain of Clear Creek, which flows into Wabash River, a TNW. Therefore, UNT 5 to Clear Creek should be considered a jurisdictional Water of the U.S. Please refer to Appendix F: F-22.

UNT 6 to Clear Creek flows south to northwest through the IA and extends outside the limits to the south. UNT 6 to Clear Creek is approximately 315 linear ft. (0.014 acre) long within the IA. UNT 6 to Clear Creek is not associated with a blue line on the USGS topographic map, indicating that it is likely ephemeral. This is supported by the low volume of flow during the site visit. UNT 6 to Clear Creek was not classified by the NWI, but it can be classified as a Riverine, Ephemeral stream, Corps designation R6. The OHWM was 2 ft. wide and 0.17 ft. (2 in.) deep within the investigated area. The dominant stream substrate was sand and silt. No functional riffles or pools were observed within the stream. Moderate amounts of instream cover were observed and included woody debris. Moderate sinuosity and moderate current velocity were observed. Streambanks exhibited little erosion and the riparian area was composed of deciduous forest and roadside ROW. No wildlife was observed within the stream during the field reconnaissance. Vegetation observed along the streambanks included amur honeysuckle (*Lonicera maackii*) and American elm (*Ulmus americana*). According to USGS Indiana StreamStats on May 11, 2022, no line was associated with this stream, so the drainage area upstream of the IA is estimated to be less than 0.1 square mile. Qualities of the stream listed above contribute to UNT 6 to Clear Creek being classified as poor quality. UNT 6 to Clear Creek flows east to Clear Creek via Wetland B, RSD 1, and UNT 1 to Clear Creek, which flows into Wabash River, a TNW. Therefore, UNT 6 to Clear Creek should be considered a jurisdictional Water of the U.S. Please refer to Appendix F: F-19.

Anticipated stream impacts below the OHWM of UNT 1 to Clear Creek include a total of 200 linear ft. (0.046 acres) of permanent impacts and no temporary impacts (Appendix B: B-68 and B-69). Anticipated stream impacts below the OHWM of UNT 5 to Clear Creek include a total of 55 linear ft. (0.017 acres) of permanent impacts and no temporary impacts (Appendix B: B-68 to B-69). No other impacts to streams are anticipated as a result of the project. There will be no permanent or temporary impacts to UNT 2, UNT 3, or UNT 4. There is no practicable alternative to the proposed new construction in streams and the proposed action includes all practicable measures to minimize harm to streams which may result from such use. FHWA approval of this document will constitute approval of the adverse impacts to wetlands.

The permanent stream impacts will require an IDEM Individual Section 401 Water Quality Certification Permit and a USACE Section 404 NWP. Mitigation will likely be required and will be determined during permitting.

An environmental field investigation associated with the water main/utility corridor project was conducted on June 28, 2022, by Metric, to determine if any future work would result in impacts to Waters of the U.S. Since delineated features within this corridor are intended to be avoided, full waters documentation was not required. However, a brief

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memorandum and maps of the features have been provided as Appendix A in the *Waters of the U.S. Determination / Wetland Delineation Report* (Appendix F: F-37 to F-41).

The areas investigated consisted mainly of country road embankment and wooded sections. The main vegetation found within the upland area consisted of amur honeysuckle (*Lonicera maackii*), black walnut (*Juglans nigra*), honey locust (*Gleditsia triacanthos*), and sugar maple (*Acer saccharum*). Approximately two streams, totaling 364 linear ft., were observed within the project study areas. Two streams, totaling 364 linear ft., were observed within the project study areas. It is the determination of Metric that two suspected regulated Waters of the U.S. were found within the project study areas. No permanent or temporary impacts to these streams are anticipated as a result of the utility work. Please refer to Appendix F: F-37 to F-41 for additional details regarding these resources.

IDNR-DFW responded on November 2, 2022, with recommendations to implement erosion and sedimentation control measures to prevent sediment from entering waterbodies or leaving the construction site, maintaining these measures until construction is complete and all disturbed areas are stabilized (Appendix C: C-4 to C-6).

All applicable recommendations are included in the *Environmental Commitments* section of this CE document.

Open Water Feature(s)	Presence	Impacts	
		Yes	No
Reservoirs	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Lakes	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Farm Ponds	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Retention/Detention Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Storm Water Management Facilities	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other: _____	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Describe all open water feature(s) identified adjacent or within the project area. Include whether or not impacts (both permanent and temporary) will occur to the features identified. Include if features are likely subject to federal or state jurisdiction. Discuss measures to avoid, minimize, and mitigate if impacts will occur.

Based on the desktop review, the aerial map of the project area (Appendix B: B-3), and the RFI report (Appendix E: E-1 and E-12), there are sixteen open water features within the 0.5-mile search radius. There are no open water features within or adjacent to the project area. That number was confirmed by the site visit on April 25, 2022, by Metric. Therefore, no impacts are expected.

A *Waters of the U.S. Determination / Wetland Delineation Report* was approved by INDOT EWPO on September 22, 2022. Please refer to Appendix F: F-1 to F-36 for the *Waters of the U.S. Determination / Wetland Delineation Report*. It was determined that no open water features were identified within or adjacent to the project area. The USACE makes all final determinations regarding jurisdiction.

Wetlands	Presence	Impacts	
		Yes	No
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Total wetland area: 0.188 Acre(s) Total wetland area impacted: 0 Acre(s)

(If a determination has not been made for non-isolated/isolated wetlands, fill in the total wetland area impacted above.)

Wetland No.	Classification	Total Size (Acres)	Impacted Acres	Comments (i.e. location, likely Water of the U.S., appendix reference)
Wetland A	PFO1A	0.163	0.0	likely Water of the US, Appendix B: B-69 and Appendix F: F-22
Wetland B	PEM1A	0.025	0.0	likely Water of the US, Appendix B: B-68 and Appendix F: F-19

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Wetlands (Mark all that apply)

Wetland Determination
 Wetland Delineation
 USACE Isolated Waters Determination

Documentation

X
X

ESD Approval Dates

September 22, 2022
September 22, 2022

Improvements that will not result in any wetland impacts are not practicable because such avoidance would result in (Mark all that apply and explain):

- Substantial adverse impacts to adjacent homes, business or other improved properties;
- Substantially increased project costs;
- Unique engineering, traffic, maintenance, or safety problems;
- Substantial adverse social, economic, or environmental impacts, or
- The project not meeting the identified needs.

Describe all wetlands identified adjacent or within the project area. Include whether or not impacts (both permanent and temporary) will occur to the features identified. Include if features are likely subject to federal or state jurisdiction. Discuss measures to avoid, minimize, and mitigate if impacts will occur.

Based on the desktop review, the aerial map of the project area (Appendix B: B-3), and the RFI report (Appendix E: E-1 and E-12), there are forty-one wetlands within the 0.5-mile search radius. There are five wetlands within or adjacent to the project area. That number was updated to two wetlands by the site visit on April 25, 2022, by Metric.

A *Waters of the U.S. Determination / Wetland Delineation Report* was approved by INDOT EWPO on September 22, 2022. Please refer to Appendix F: F-1 to F-36 for the *Waters of the U.S. Determination / Wetland Delineation Report*. It was determined that two likely jurisdictional wetlands, Wetland A and Wetland B, are present within the project area. The USACE makes all final determinations regarding jurisdiction.

Wetland A was classified as a Palustrine, Forested, Broad-Leaved Deciduous, Temporarily Flooded (PFO1A) wetland. This wetland is located within the floodplain of Clear Creek, south of UNT 2 to Clear Creek and north of UNT 4 to Clear Creek (Appendix B: B-69). Approximately 0.163 acre of Wetland A was contained within the IA, and the wetland continued east beyond the IA. The boundaries of Wetland A were delineated by lack of wetland vegetation and increased elevation. Due to its location within a floodplain, Wetland A likely receives flood waters on a consistent basis during rain events. The wetland was not associated with an NWI polygon and was formed within nonhydryc mapped soil units. The wetland is located adjacent to Clear Creek and deciduous forest. The wetland exhibited good plant species diversity, was forested, and extended over a large area beyond the IA. These factors contribute to the conclusion the wetland can support an average amount of wildlife or aquatic habitat and therefore should be considered to be of average quality. Wetland A directly abuts Clear Creek outside of the IA, which flows into the Wabash River, a Section 10 TNW. Because Wetland A directly abuts a TNW, it should be considered a jurisdictional Water of the U.S.

Wetland B was classified as a Palustrine, Emergent, Persistent, Temporarily Flooded (PEM1A) wetland. Approximately 0.025 acre of Wetland B was contained within the IA, which is located in a ditch north south of the I-70 exit ramp (Appendix B: B-68). The boundaries of Wetland B were delineated by lack of wetland vegetation and increased elevation. The wetland was not associated with an NWI polygon and was formed within predominantly nonhydryc mapped soil unit. Due to its location within a ditch, Wetland B likely receives drainage on a consistent basis during rain events. The wetland is located adjacent to I-70 and the welcome center parking and likely receives run-off from the adjacent sources. The wetland exhibited poor plant species diversity. These factors contribute to the conclusion that Wetland B can support a limited amount of wildlife or aquatic habitat and therefore should be considered to be of poor quality. Based on topography, it can be deduced that water drains into Clear Creek via RSD 1 and UNT 1 to Clear Creek, which flows into the Wabash River, a Section 10 TNW. Because Wetland B contributes flow to a TNW, it should be considered a jurisdictional Water of the U.S.

No permanent or temporary impacts to wetlands are anticipated as a result of the project. Please refer to Appendix B: B-68 to B-69. Therefore, no permits are required as a result of wetland impacts, and mitigation is not anticipated. Avoidance and minimization measures considered for the project includes total avoidance of wetland impacts and

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restricting construction activities to the project area. The proposed action includes all practicable measures to minimize harm to wetlands which may result from such use.

An environmental field investigation associated with the water main/utility corridor project was conducted on June 28, 2022, by Metric, to determine if any future work would result in impacts to wetlands. Since delineated features within this corridor are intended to be avoided, full waters documentation was not required. However, a brief memorandum and maps of the features have been provided as Appendix A in the *Waters of the U.S. Determination / Wetland Delineation Report* (Appendix F: F-37 to F-41).

The areas investigated consisted mainly of country road embankment and wooded sections. No wetlands were observed within the project study area. The main vegetation found within the upland area consisted of amur honeysuckle (*Lonicera maackii*), black walnut (*Juglans nigra*), honey locust (*Gleditsia triacanthos*), and sugar maple (*Acer saccharum*). Please refer to Appendix F: F-37 to F-41 for additional details regarding these resources.

No early coordination responses were received containing recommendations pertaining to wetland impacts.

All applicable recommendations are included in the *Environmental Commitments* section of this CE document.

Terrestrial Habitat	<u>Presence</u>	<u>Impacts</u>	
	<input checked="" type="checkbox"/>	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>

Total terrestrial habitat in project area: 15.06 Acre(s) Total tree clearing: 6.15 Acre(s)

Describe types of terrestrial habitat (i.e. forested, grassland, farmland, lawn, etc) adjacent or within the project area. Include whether or not impacts will occur to habitat identified. Include total terrestrial habitat impacted and total tree clearing that will occur. Discuss measure to avoid, minimize, and mitigate if impacts will occur.

Based on a desktop review, a site visit on April 25, 2022, by Metric, the aerial map of the project area (Appendix B: B-3), terrestrial habitat in the project area includes maintained grass ROW, forested areas, and agricultural properties. Dominant species present include tall false rye grass (*Schedonorus arundinaceus*), red fescue (*Festuca rubra*), creeping buttercup (*Ranunculus repens*), and May-apple (*Podophyllum peltatum*) in the herb stratum; amur honeysuckle (*Lonicera maackii*) and sandbar willow (*Salix interior*) in the sapling/shrub stratum; Ohio buckeye (*Aesculus glabra*), American elm (*Ulmus americana*), Sugar maple (*Acer saccharum*), black walnut (*Juglans nigra*) in the tree stratum; and poison ivy (*Toxicodendron radicans*) in the woody vine stratum. Approximately 15.06 acres of terrestrial habitat impacts are anticipated as a result of construction of the Clear Creek Welcome Center and proposed sanitary sewer route. This amount includes a total of approximately 8.50 acres of grass and shrub at the welcome center, 0.01 acre of farmland along the sanitary sewer corridor, 0.40 acre of grass along the sanitary sewer corridor, and 6.15 acres of tree removal required for project, including 6.14 acres for construction of the rest area and 0.01 acre for installation of the proposed sanitary sewer route (Appendix B: B-34 to B-36). Avoidance and minimization measures considered for the project include minimization of vegetation clearing, implementing erosion and sedimentation control measures, and limiting construction activities to the proposed project area. Tree mitigation will likely be required.

IDNR-DFW responded on November 2, 2022, with recommendations to avoid or minimize impacts to the terrestrial habitat, including implementing bank stabilization, erosion and sedimentation control measures, to follow revegetation guidelines, and to not cut trees suitable for Indiana bat or Northern long-eared bat roosting from April 1 through September 30. IDNR-DFW also recommended use of the trenchless method for directional boring, ensuring that the length of the bore includes any forested riparian areas along creeks to minimize impacts to forested habitat, and installing erosion control measures such as silt fencing or other appropriate devices around directional drilling pits in order to prevent drilling mud from leaving the immediate area of the pit or entering the stream. Finally, IDNR indicated a minimum 35 ft. wide forested buffer should be maintained on the east side of the rest area between the cleared areas and the top of bank on both sides of the stream (Appendix C: C-4 to C-6).

All applicable recommendations are included in the *Environmental Commitments* section of this CE document.

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Protected Species

Federally Listed Bats

Information for Planning and Consultation (IPaC) determination key completed
 Section 7 informal consultation completed (IPaC cannot be completed)
 Section 7 formal consultation Biological Assessment (BA) required

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Determination Received for Listed Bats from USFWS: NE NLAA LAA

Other Species not included in IPaC

Additional federal species found in project area (based on IPaC species list)
 State species (not bird) found in project area (based upon consultation with IDNR)

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Migratory Birds

Known usage or presence of birds (i.e. nests)
 State bird species based upon coordination with IDNR

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Discuss IDNR coordination and species identified. Describe USFWS Section 7 consultation and determination received for Indiana bat and northern long-eared bat impacts. Discuss if other federally listed species were identified. If so, include consultation that has occurred and the determination that was received. Discuss if migratory birds have been observed and any impacts.

Based on a desktop review and the RFI report (Appendix E: E-5), completed by Metric on October 7, 2022, the IDNR Vigo County Endangered, Threatened and Rare (ETR) Species List has been checked. According to the IDNR-DFW early coordination response letter dated November 2, 2022 (Appendix C: C-4 to C-6), the Natural Heritage Program's Database has been checked. The IDNR-DFW's Wabashiki Fish & Wildlife Area (FWA), Indiana State University's Kieweg Woods, and a southwestern lowlands mesic upland forest natural community are located within 1/2 mile of the project area. The Division of Nature Preserves does not anticipate any impacts to the natural community as a result of this project. An INDOT 0.5-mile bat review occurred on July 7, 2022. A review of the USFWS database did not indicate the presence of endangered bat species in or within 0.5-mile of the project area.

Project information was submitted through the USFWS's Information for Planning and Consultation (IPaC) portal, and an official species list was generated (Appendix C: C-7 to C-22). The project is within range of the federally endangered Indiana bat (*Myotis sodalis*) and the federally threatened northern long-eared bat (NLEB) (*Myotis septentrionalis*). One additional species was generated in the IPaC species list along with the Indiana bat and northern long-eared bat. Refer to the paragraph below.

The official species list generated from IPaC indicated one other specie present within the project area. The Monarch Butterfly (*Danaus plexippus*) was found to potentially be within the project area. This species is a candidate species and has not officially been incorporated onto the federal or state ETR species list. Therefore, no further coordination with USFWS is required concerning this species. The project does not qualify for the USFWS Interim Policy, due to more than 0.5 acre of tree removal occurring beyond 75 ft. of the edge of existing pavement. Please refer to the paragraphs below for further details on continued coordination with USFWS.

The project qualified and completed *Limited Formal Programmatic Consultation* for the Indiana bat and northern long-eared bat (NLEB) due to tree clearing between 100-300 ft. from the existing roadway/pavement. Six building inspections occurred on October 26, 2022, and no bats/birds or signs of bats/birds were found using the structures (Appendix C: C-23 to C-29). An effect determination key was completed on December 9, 2022, and based on the responses provided, the project was found "*Likely to adversely affect*" the Indiana bat and/or the NLEB (Appendix C: C-30 to C-39). Proposed impacts have been minimized and cannot be avoided due to required tree clearing for planned renovations of the Welcome Center and installation of the new sanitary sewer system.

INDOT verified the effect finding. A programmatic informal consultation letter was prepared, dated December 13, 2022, and submitted by FHWA to USFWS on December 19, 2022 (Appendix C: C-40 to C-44). On December 30, 2022, USFWS issued a concurrence letter with the "*Likely to adversely affect*" finding (Appendix C: C-55 to C-58). AMMS

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and/or commitments for the project include General AMM 1, Lighting AMMs 1 and 2, and Tree Removal AMMs 1-4. USFWS also included the additional commitments to be followed.

The Project Sponsor will assure that \$78,302.00 of Preliminary Engineering funds will be allocated to the Range-wide In-Lieu Fee Program, administered by The Conservation Fund, to resolve formal consultation under the Range-wide Programmatic (4.25 acres X 1.75 mitigation ratio X \$10,528 = \$78,302.00). Payment shall be made to the Conservation Fund within 1 year of the date of their letter (December 30, 2022) or prior to the start of construction, whichever is earliest.

In March 2022, the Service proposed to reclassify the NLEB from its current status as federally threatened to federally endangered. The original NLEB listing and current reclassification proposal are due to dramatic population declines associated with white-nose syndrome (WNS), a deadly fungal disease affecting hibernating bats such as the NLEB. On November 30, 2022, the reclassification action was finalized, and the new listing will go into effect January 30, 2023. Once the new classification is effective, re-initiation on this project due to the change in listing status for the NLEB will be required. At that time, an updated 2023 Programmatic Consultation and determination key (via the Information for Planning and Consultation website; IPAC) will be available for use.

Contractors must take care when handling dead or injured bats (regardless of species), and any other federally listed species that are found at the Project site in order to preserve biological material in the best possible condition and protect the handler from exposure to diseases, such as rabies. Project personnel are responsible for ensuring that any evidence about determining the cause of death or injury is not unnecessarily disturbed. Reporting the discovery of dead or injured listed species is required in all cases to enable the Service to determine whether the level of incidental take exempted by the BO is exceeded, and to ensure that the terms and conditions are appropriate and effective. Parties finding a dead, injured, or sick specimen of any bat (regardless of species), or other endangered or threatened species, must promptly notify the USFWS Bloomington Field Office at (812) 334-4261.

A "Reinitiation Notice" is required if: more than 4.25 acres of trees are to be cleared between 100 and 300 ft. from the edge of pavement; the amount or extent of incidental take of Indiana bat is exceeded; new information about listed species is encountered; new species is listed or critical habitat designated that the project may affect; the project is modified in a manner that causes an effect to the listed species; or, new information reveals that the project may affect listed species or critical habitat in a manner not considered in the project information.

If further coordination is needed, no demolition shall occur until coordination is concluded with INDOT ESD and USFWS. These firm commitments are included in the *Environmental Commitments* of this document.

USFWS Bridge/Structure Assessments are only valid for two years. If building demolitions will begin after October 26, 2024, an inspection of the structures by a qualified individual must be performed. Inspection of the structures should check for presence of bats/bat indicators and/or presence of birds. The results of the inspections must indicate no signs of bats or birds. If signs of bats or birds are documented during this inspection, the INDOT District Environmental Manager must be contacted immediately.

All AMMs and/or commitments are included as firm commitments in the *Environmental Commitments* section of this document.

This precludes the need for further consultation on this project as required under Section 7 of the Endangered Species Act, as amended. If new information on endangered species at the site becomes available, or if project plans are changed, USFWS will be contacted for consultation.

Geological and Mineral Resources

- Project located within the Indiana Karst Region
- Karst features identified within or adjacent to the project area
- Oil/gas or exploration/abandoned wells identified in the project area

Yes	No
X	
	X
X	

Date Karst Evaluation reviewed by INDOT EWPO (if applicable): N/A

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Discuss if project is located in the Indiana Karst Region and if any karst features have been identified in the project area (from RFI). Discuss response received from IGWS coordination. Discuss if any mines, oil/gas, or exploration/abandoned wells were identified and if impacts will occur. Include discussion of karst study/report was completed and results. (Karst investigation must comply with the current Protection of Karst Features during Planning and Construction guidance and coordinated and reviewed by INDOT EWPO)

Based on a desktop review and the Indiana Karst Region map, the project is located in the designated Indiana Karst Region as outlined in the most current *Protection of Karst Features during Project Development and Construction*. According to the topo map of the project area (Appendix B: B-2), the RFI report (Appendix E: E-1 to E-12), there are no karst features identified within or adjacent to the project area. In the automatically generated early coordination response November 8, 2022, the IGWS did not indicate that karst features exist in the project area (Appendix C: C-45 to C-47). IGWS indicated that geological hazards in the project area include potential mine subsidence (Coal Mining Information System), high liquefaction potential and presence of a floodway(s); mineral resources include high potential for bedrock resources and high potential for sand and gravel resources, and that active or abandoned mineral resources extraction sites include petroleum exploration wells, underground coal mines, surface coal mines, and abandoned industrial minerals sand gravel pits. Response from IGWS has been communicated to the designer on November 8, 2022. No impacts are expected.

On December 2, 2022, Metric coordinated with IDNR Reclamation Division. On December 2, 2022, a representative from IDNR Reclamation Division responded that after consulting their CMIS web map, no surface or underground mines were found to be adjacent to the project boundary and given the scope of the project, past mining activities should have no foreseeable impact on this work. Furthermore, after review of the information sent IDNR Reclamation Division does not foresee any adverse effects incurred as a result of this project. (Appendix C: C-51 to C-52).

SECTION C – OTHER RESOURCES

Drinking Water Resources

- Wellhead Protection Area(s)
- Source Water Protection Area(s)
- Water Well(s)
- Urbanized Area Boundary
- Public Water System(s)

Presence

X
X
X
X

Impacts

Yes	No
	X

- Is the project located in the St. Joseph Sole Source Aquifer (SSA):
- If Yes, is the FHWA/EPA SSA MOU Applicable?
- If Yes, is a Groundwater Assessment Required?

Yes	No
	X

Check the appropriate boxes and discuss each topic below. Provide details about impacts and summarize resource-specific coordination responses and any mitigation commitments. Reference responses in the Appendix.

The project is located in Vigo County, which is not located within the area of the St. Joseph Sole Source Aquifer, the only legally designated sole source aquifer in the state of Indiana. Therefore, the FHWA/EPA/INDOT Sole Source Aquifer Memorandum of Understanding (MOU) is not applicable to this project, a detailed groundwater assessment is not needed, and no impacts are expected.

The IDEM's Wellhead Proximity Determinator website (<http://www.in.gov/idem/cleanwater/pages/wellhead/>) was accessed on October 14, 2022, by Metric. This project is not located within a Wellhead Protection Area or Source Water Area. In an early coordination letter dated October 17, 2022, IDEM stated the project is not located within a wellhead area (Appendix C: C-48 to C-49). No impacts are expected.

The IDNR Water Well Record Database website (<https://www.in.gov/dnr/water/3595.htm>) was accessed on October 17,

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2022, by Metric. The nearest well is located approximately 0.2 miles east of the I-70 EB ramp from the Clear Creek Welcome Center. The feature will not be affected because the well is mapped at the edge of pavement on I-70 EB, and it is assumed to be mapped in the wrong location, as no well exists in this location. Avoidance alternatives would not be practicable, because the well does not exist in this location. Therefore, no impacts are expected. Should it be determined during the ROW phase that these wells will be affected, a cost to cure will likely be included in the appraisal to restore the wells.

Based on a desktop review of the INDOT Functional Classification and Urban Area Boundary (UAB) online map (<https://indot.maps.arcgis.com/apps/webappviewer/index.html?id=df731deea704512923b7732ed3ddad2>) by Metric on October 14, 2022, this project is located in the West Terre Haute UAB. However, no coordination is needed, because the proposed new sanitary route tie-in with the existing West Terre Haute sanitary system has been coordinated by the designer. Avoidance alternatives would not be practicable, because the proposed project includes the West Terre Haute as a critical design aspect. Additionally, the West Terre Haute is a current stakeholder in the project, as they will be responsible for the treatment of wastewater from the Clear Creek Rest Area.

Based on a desktop review, a site visit on April 25, 2022, by Metric, the aerial map of the project area (Appendix B: B-3), this project is located where there is a public water system. The public water system will not be affected, because the proposed new sanitary route tie-in with the existing West Terre Haute sanitary system has been coordinated by the designer. Avoidance alternatives would not be practicable, because the proposed Clear Creek Rest Area/Sanitary Route plans includes this public water system as a critical design aspect.

Floodplains	<u>Presence</u>	<u>Impacts</u>	
		Yes	No
Project located within a regulated floodplain	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Longitudinal encroachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Transverse encroachment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Homes located in floodplain within 1000' up/downstream from project	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

If applicable, indicate the Floodplain Level?

Level 1 Level 2 Level 3 Level 4 Level 5

Use the IDNR Floodway Information Portal to help determine potential impacts. Include floodplain map in appendix. Discuss impacts according to the classification system. If encroachment on a flood plain will occur, coordinate with the Local Flood Plain Administrator during design to insure consistency with the local flood plain planning.

Based on a desktop review of The Indiana Department of Natural Resources Indiana Floodway Information Portal website (<http://dnrmaps.dnr.in.gov/appsphp/fdms/>) by Metric on October 3, 2022, and the RFI report (Appendix E: E-1 to E-12), this project is located in a regulatory floodplain as determined from approved IDNR floodplain maps (Appendix F: F-42). An early coordination letter was sent on October 3, 2022, to the local Floodplain Administrator. The floodplain administrator did not respond within the 30-day time frame. This project qualifies as a Category 1, which states that although this project involves work within the horizontal limits of the 100-year floodplain, no work is being performed below the 100-year flood elevation and as a result this project does not encroach upon the base floodplain."

Farmland	<u>Presence</u>	<u>Impacts</u>	
		Yes	No
Agricultural Lands	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Prime Farmland (per NRCS)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Total Points (from Section VII of CPA-106/AD-1006*) N/A

**If 160 or greater, see CE Manual for guidance.*

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Discuss existing farmland resources in the project area, impacts that will occur to farmland, and mitigation and minimization measures considered.

Based on a desktop review, a site visit on April 25, 2022, by Metric, and the aerial map of the project area (Appendix B: B-3), there is farmland as defined by the Farmland Protection Policy Act adjacent to the project. The project will not convert any farmland to transportation use, as all work within farmlands will be limited to HDD for trenchless boring of the new sanitary sewer route, requiring approximately 0.25 acre temporary easements and 0.50 acre permanent easements for HDD boring. This work will not impact agricultural operations and current property owner access will be maintained. An early coordination letter was sent on October 3, 2022, to NRCS. In their early coordination response, dated October 27, 2022, the NRCS stated that the project would not cause a conversion of prime farmland (Appendix C: C-50). No alternatives other than those previously discussed in this document will be investigated without reevaluating impacts to prime farmland.

SECTION D – CULTURAL RESOURCES

Minor Projects PA Category(ies) and Type(s) INDOT Approval Date(s) N/A

Full 106 Effect Finding
 No Historic Properties Affected No Adverse Effect Adverse Effect

Eligible and/or Listed Resources Present
 NRHP Building/Site/District(s) Archaeology NRHP Bridge(s)

Documentation Prepared (mark all that apply)	ESD Approval Date(s)	SHPO Approval Date(s)
APE, Eligibility and Effect Determination	<input checked="" type="checkbox"/>	September 22, 2022
800.11 Documentation	<input checked="" type="checkbox"/>	November 1, 2022
Historic Properties Report or Short Report	<input checked="" type="checkbox"/>	September 22, 2022
Archaeological Records Check and Assessment	<input checked="" type="checkbox"/>	September 22, 2022
Archaeological Phase Ia Survey Report	<input checked="" type="checkbox"/>	September 22, 2022
Archaeological Phase Ic Survey Report	<input type="checkbox"/>	<input type="checkbox"/>
Other:	<input type="checkbox"/>	<input type="checkbox"/>

Memorandum of Agreement (MOA) **MOA Signature Dates** (List all signatories)

If the project falls under the MPPA, describe the category(ies) that the project falls under and any approval dates. If the project requires full Section 106, use the headings provided. The completion of the Section 106 process requires that a Legal Notice be published in local newspapers. Please indicate the publication date, name of the paper(s) and the comment period deadline. Include any further Section 106 work which must be completed at a later date, such as mitigation from a MOA or avoidance commitments.

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Area of Potential Effect (APE):

Qualified professionals working for Metric and meeting the Secretary of the Interior's Professional Qualifications Standards defined an Area of Potential Effect. The Area of Potential Effects (APE) is "the geographic area or areas within which an undertaking may directly or indirectly cause alterations in the character or use of historic properties, if any such properties exist. The area of potential effects is influenced by the scale and nature of an undertaking and may be different for different kinds of effects caused by the undertaking" [36 CFR § 800.9(a)], which includes all locations where the project may result in disturbance of the ground; all locations from which elements of the project may be visible or audible; all locations where activity may result in changes in traffic patterns, land use, or public access; and all areas where there may be direct or indirect effects due to elements of the project.

The APE is comprised mostly of rural and low-density residential areas on mostly flat terrain surrounded by hilly woodlands. Old US 40 and I-70 runs east to west through the project area. Clear Creek flows east of the Clear Creek Rest Area. Residences are scattered along West Old US 40 and West 21st Road divided by wooded areas. Most of the residences date from the 1950s to present day.

The APE extends 500 ft. beyond the project limits at the rest area, and 10 ft. on each side of the water and sewer lines. The APE is wider around the rest area due to the larger scope of work and is narrower around the water and sewer lines because of limited sightlines and minor work scope. The APE for archaeology was the project footprint (Appendix D: D-8 to D-9).

Coordination with Consulting Parties:

Section 106 of the National Historic Preservation Act requires federal agencies to take into account the effects of their undertakings on historic properties. In accordance with 36 CFR 800.2(c), individuals and groups with a demonstrated interest in the undertaking were invited to participate in efforts to identify historic properties potentially affected by the undertaking, assess its effects, and seek ways to avoid, minimize or mitigate any adverse effects on historic properties.

On June 14, 2022, the following individuals and groups listed in the table below were sent an email on behalf of INDOT requesting them to act as a consulting party for the undertaking. They were also advised that the Early Coordination Letter was available for review at the INDOT's Section 106 Consultation and Outreach Portal Enterprise, known as INSCOPE (Appendix D: D-35 to D-42).

The invitees were requested to respond within 30 days indicating whether the agency agreed or did not agree to participate as a consulting party. Also, on June 15, 2022, the INDOT Cultural Resources Office (CRO) emailed the Native American Tribes listed in the table to invite them to be consulting parties, and to direct them to the documents available for review on INSCOPE. It was noted in the email correspondence that if no response was received, the individual or group would not be considered a consulting party and would not receive further information about the undertaking unless the scope changed (Appendix D: D-43 to D-44).

Invited Organization	Reply Received
Indiana Landmarks (Western Regional Office)	None Received
Vigo County Historian	None Received
Vigo County Historical Society	June 14, 2022
Wabash Valley Genealogy Society	None Received
West Central Indiana Economic Development District	None Received
Vigo County Highway Superintendent	None Received
Terre Haute Chamber of Commerce	None Received
Vigo County Commissioners	None Received
Eastern Shawnee Tribe of Oklahoma	July 21, 2022
Miami Tribe of Oklahoma	June 17, 2022
Pokagon Band of Potawatomi Indians	None Received
Peoria Tribe of Indians of Oklahoma	June 16, 2022

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Invited Organization (continued)	Reply Received (continued)
Shawnee Tribe	June 17, 2022
Delaware Tribe of Indians	None Received
Forest County Potawatomi Community	June 21, 2022

A list of invited consulting parties, with those who accepted listed in bold, is in Appendix D: D-34.

The Indiana Department of Natural Resources, Division of Archaeology and Historic Preservation (SHPO) is automatically considered a consulting party for federally funded transportation projects due to its mandated or designated role as specified in 36 C.F.R. § 800.2. The SHPO was emailed a copy of this early coordination letter and sent a paper copy of the documentation for review and comment on June 14, 2022. On June 22, 2022, SHPO replied that they were not aware of any additional parties who should be invited to participate in the Section 106 consultation (Appendix D: D-54).

In an email dated June 14, 2022, Marla Flowers of the Vigo County History Center accepted the invitation and provided updated contact information for herself, and stated Susan Tingley is no longer associated with the Vigo County Historical Society. Her correspondence is attached in Appendix D: D-45 to D-47.

In a letter dated June 16, 2022, the Peoria Tribe of Indians of Oklahoma accepted the invitation to participate as a consulting party and stated in the event of an Inadvertent Discovery during any phase of the project in which human remains or archaeological materials are exposed as a part of project activities, work should cease immediately and their office and the SHPO should be consulted (Appendix D: D-48).

In a letter dated June 17, 2022, the Miami Tribe of Oklahoma accepted the invitation to participate as a consulting party and stated that if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of the project, the Miami Tribe requests immediate consultation (Appendix D: D-49).

In an e-mail dated June 17, 2022, the Shawnee Tribe accepted the invitation to participate as a consulting party and stated that they have no issues or concerns at this time, but in the event Inadvertent Discovery (ID) occurs at any phase of a project or undertaking as defined, and human remains or archaeological materials are exposed as a result of project activities, work should cease immediately, and the Tribe(s) must be included with the SHPO in any consultation regarding treatment and disposition of the find. (Appendix D: D-50 to D-51).

In an e-mail dated June 21, 2022, Forest County Potawatomi accepted the invitation to participate as a consulting party and stated that they are pleased to offer a finding of No Historic Properties affected of significance. However, they do wish to remain as a consulting party for this project and in the event that archaeological materials are encountered during construction, use, or maintenance of this location, please re-notify them at that time as they would like to resume immediate consultation under such a circumstance (Appendix D: D-52 to D-53).

In a letter dated July 21, 2022, the Eastern Shawnee Tribe accepted the invitation to participate as a consulting party and proposed the project would cause no adverse effect or endangerment to known Eastern Shawnee sites (Appendix D: D-55). They also stated in the event of an Inadvertent Discovery during any phase of the project in which human remains or archaeological materials are exposed as a part of project activities, work should cease immediately and their office and the SHPO should be consulted.

On September 22, 2022, all original consulting parties were notified that the project area has expanded to 52.5 acres and now includes the addition of a sewer line and that new ROW will also need to be purchased from land east of the welcome center to accommodate the parking area expansion (Appendix D: D-56 to D-62).

In an e-mail dated September 26, 2022, Forest County Potawatomi stated that they are still pleased to offer a finding of No Historic Properties affected of significance. However, they do wish to remain as a consulting party for this project

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and in the event that archaeological materials are encountered during construction, use, or maintenance of this location, please re-notify them at that time as they would like to resume immediate consultation under such a circumstance (Appendix D: D-63 to D-64).

Archaeology:

Pursuant to 36 CFR § 800.4(b), a Qualified Professional Archaeologist with Metric conducted an archaeological records check on January 26 and June 21, 2022 which involved review the State Historical Architectural and Archaeological Research Database (SHAARD), site maps on file with the IDNR-Division of Historic Preservation and Archaeology, cultural resource management reports, cemetery records, and historical data. A Phase Ia Archaeological Survey was conducted on June 23, 24, 28, and 29, 2022. Two 20th century historic archaeological sites (12Vi1864 and 12Vi1865) were recorded. Site 12Vi1864 consists of a historic concrete foundation and two metal nails, which were collected during shovel probing. No evidence of additional artifact deposits and/or features was encountered, and it is considered unlikely that further investigation at the site would yield additional data significant to local or regional history. Site 12Vi1864 is not recommended as eligible for the National Register of Historic Places.

Site 12Vi1865 consists of historic concrete foundations associated with a house and probable garage. A total of 106 historic artifacts (mostly consisting of glass and ceramic household items) were collected from the ground surface. No evidence of sub-surface artifact deposits and/or additional features was encountered, and it is considered unlikely that further investigation at the site would yield additional data significant to local or regional history. Site 12Vi1865 is not recommended as eligible for the National Register of Historic Places. On September 20, 2022, an Archaeology Report (ASR) (Snell 9/20/22) was prepared and recommended no further archaeological work is recommended. On September 20, 2022, INDOT-Cultural Resources Office (CRO) approved the report, and the document was uploaded to INSCOPE on September 22, 2022. The conclusions and recommendations of the Archaeology Short Report is located in Appendix D: D-30 to D-32.

On September 22, 2022 the Archaeology Short Report was made available to the Tribes and a hard copy was sent to the SHPO (Appendix D: D-62).

On October 21, 2022, the SHPO concurred with the Archaeology Short Report (Appendix D: D-65 to D-66). No other comments from the consulting parties were received.

Historic Properties:

Pursuant to 36 CFR § 800.4(b), personnel with Metric Environmental (Metric), who meet the Secretary of the Interior's Professional Qualification Standards as per 36 CFR Part 61, reviewed the National Register of Historic Places (NRHP), the Indiana Historic Sites and Structures Inventory (IHSSI), the Indiana State Historical Architectural and Archaeological Research Database (SHAARD) and the Indiana Historic Buildings, Bridges, and Cemeteries Map, the Indiana Historic Bridge Inventory, the Indiana Historical Bureau's Historical Markers Database, and the Hamilton County Interim Historic Sites and Structures Inventory (IHSSI) for previously-identified properties. Primary and secondary documentary research included numerous published county and local histories, historical and current atlases and maps, and online resources. A field survey was conducted by walking all the areas within the APE and taking photographs in an effort to identify and evaluate any historic resources present. A Historic Property Short Report (HPSR) (Miller, Timothy, 9/21/2022) was developed and provided recommendations concerning the historic significance of the properties within the APE. As a result of identification and evaluation efforts for this project, no properties within the project APE were recommended eligible for listing in the NRHP. The conclusions and recommendations of the HPSR is located in Appendix D: D-26 to D-28.

On September 22, 2022 the HPSR was made available to the Tribes, other consulting parties, and a hard copy was sent to the SHPO (Appendix D: D-56 to D-62).

On October 21, 2022, the SHPO concurred with the Historic Property Short Report (Appendix D: D-65 to D-66). No other comments from the consulting parties were received.

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Documentation Findings:

On November 1, 2022, the INDOT CRO approved the APE and issued a “No Historic Properties Affected” finding for this project (Appendix D: D-1 to D-6). On November 1, 2022, the effect finding documentation was provided to the SHPO and all other consulting parties for a 30-day review and comment period (Appendix D: D-67 to D-73). On November 15, 2022, the Indiana SHPO responded and concurred with the “No Historic Properties Affected” finding (Appendix D: D-74 to D-75). No additional responses were received.

Public Involvement:

In accordance with 36 CFR 800.2(d), 800.3(e), and 800.6(a)(4), the views of the public were sought regarding the effect of the proposed project. A legal notice was published in the *Tribune Star* on November 7, 2022, with a 30-day comment period. The 30-day deadline for comments was December 7, 2022. No comments were received by the 30-day deadline. A copy of the legal notice and the publisher’s affidavit are provided in Appendix D: D-92 to D-95.

No further consultation is required. This completes the Section 106 process and the responsibilities of the FHWA under Section 106 have been fulfilled.

SECTION E – SECTION 4(f) RESOURCES/ SECTION 6(f) RESOURCES

	<u>Presence</u>	<u>Use</u>	
		Yes	No
Parks and Other Recreational Land			
Publicly owned park	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Publicly owned recreation area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Other (school, state/national forest, bikeway, etc.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Wildlife and Waterfowl Refuges			
National Wildlife Refuge	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
National Natural Landmark	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State Wildlife Area	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
State Nature Preserve	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Historic Properties			
Site eligible and/or listed on the NRHP	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<u>Evaluations Prepared</u>			
Programmatic Section 4(f)	<input type="checkbox"/>		
“De minimis” Impact	<input type="checkbox"/>		
Individual Section 4(f)	<input type="checkbox"/>		
Any exception included in 23 CFR 774.13	<input type="checkbox"/>		

Discuss Programmatic Section 4(f) and “de minimis” Section 4(f) impacts in the discussion below. Individual Section 4(f) documentation must be included in the appendix and summarized below. Discuss proposed alternatives that satisfy the requirements of Section 4(f). FHWA has identified various exceptions to the requirement for Section 4(f) approval. Refer to 23 CFR § 774.13 - Exceptions.

Section 4(f) of the U.S. Department of Transportation Act of 1966 prohibits the use of certain public and historic lands for federally funded transportation facilities unless there is no feasible and prudent alternative. The law applies to significant publicly owned parks, recreation areas, wildlife / waterfowl refuges, and National Register of Historic Places (NRHP) eligible or listed historic properties regardless of ownership. Lands subject to this law are considered Section 4(f) resources.

Based on a desktop review, the aerial map of the project area (Appendix B: B-3), and the RFI report (Appendix E: E-2 and E-9), there are eight potential 4(f) resources located within the 0.5-mile search radius. According to the site visit on April 25, 2022, by Metric, there are no 4(f) resources located within or adjacent to the project area. Sugar Creek Consolidated Elementary School does not currently qualify as a recreational facility under Section 4(f), because while

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the on-site playground would be recreationally significant, the playground is fenced off and not publicly accessible. Therefore, the existing area does not currently serve a recreationally significant purpose. If the fence was removed before construction began, the site would then be considered a recreationally significant, publicly accessible 4(f) resource. If this were to occur before construction began, there would be no direct or indirect impacts to the potential 4(f) resource, because all work will be completed within the existing ROW at that location, and physical impacts will be minimized by the utilization of trenchless horizontal boring. The project will not use this resource by taking permanent right of way and will not indirectly use the resource in such a way that the protected activities, features, or attributes that qualify a resource for protection under Section 4(f) are substantially impaired. Therefore, no 4(f) use is expected.

Section 6(f) Involvement

Presence

Use

Yes

No

Section 6(f) Property

Discuss Section 6(f) resources present or not present. Discuss if any conversion would occur as a result of this project. If conversion will occur, discuss the conversion approval.

The U.S. Land and Water Conservation Fund Act of 1965 established the Land and Water Conservation Fund (LWCF), which was created to preserve, develop, and assure accessibility to outdoor recreation resources. Section 6(f) of this Act prohibits conversion of lands purchased with LWCF monies to a non-recreation use.

A review of 6(f) properties on the INDOT ESD website revealed a total of seven properties in Vigo County (Appendix I: I-20). None of these properties are located within or adjacent to the project area. Therefore, there will be no impacts to 6(f) resources.

SECTION F – Air Quality

STIP/TIP and Conformity Status of the Project

- Is the project in the most current STIP/TIP?
- Is the project located in an MPO Area?
- Is the project in an air quality non-attainment or maintenance area?
- If Yes, then:
 - Is the project in the most current MPO TIP?
 - Is the project exempt from conformity?
- If No, then:
 - Is the project in the Transportation Plan (TP)?
 - Is a hot spot analysis required (CO/PM)?

Yes	No
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>

Location in STIP:

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Name of MPO (if applicable):

Terre Haute Area Metropolitan Planning Organization (THAMPO)

Location in TIP (if applicable):

Level of MSAT Analysis required?

Level 1a Level 1b Level 2 Level 3 Level 4 Level 5

Describe if the project is listed in the STIP and if it is in a TIP. Describe the attainment status of the county(ies) where the project is located. Indicate whether the project is exempt from a conformity determination. If the project is not exempt, include information about

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the TP and TIP. Describe if a hot spot analysis is required and the MSAT Level.

This project should be located in the THAMPO; however, it was not identified. The letter from INDOT to FHWA, dated April 26, 2022, which includes THAMPO FY 2020-2024 Transportation Improvement Program and FHWA concurrence letter to INDOT dated June 17, 2022 are included in Appendix H: H-1 to H-4.

This project is included in the Fiscal Year (FY) 2022-2026 Statewide Transportation Improvement Program (STIP) (Appendix H: H-5).

This project is located in Vigo County, which is currently in attainment for all criteria pollutants according to the Environmental Protection Agency (EPA) Greenbook website's Indiana Nonattainment/Maintenance Status for Each County by Year for All Criteria Pollutants list (https://www3.epa.gov/airquality/greenbook/anayo_in.html). Therefore, the conformity procedures of 40 CFR Part 93 do not apply.

This project is of a type qualifying as a categorical exclusion (Group 1) under 23 CFR 771.117(c), or exempt under the Clean Air Act conformity rule under 40 CFR 93.126, and as such, a Mobile Source Air Toxics analysis is not required.

SECTION G - NOISE

Noise

Yes No

Is a noise analysis required in accordance with FHWA regulations and INDOT's traffic noise policy?

Date Noise Analysis was approved/technically sufficient by INDOT ESD: N/A

Describe if the project is a Type I or Type III project. If it is a Type I project, describe the studies completed to date and if noise impacts were identified. If noise impacts were identified, describe if abatement is feasible and reasonable and include a statement of likelihood.

This project is a Type III project. In accordance with 23 CFR 772 and the current *Indiana Department of Transportation Traffic Noise Analysis Procedure*, this action does not require a formal noise analysis.

SECTION H – COMMUNITY IMPACTS

Regional, Community & Neighborhood Factors

Yes No

Will the proposed action comply with the local/regional development patterns for the area?

Will the proposed action result in substantial impacts to community cohesion?

Will the proposed action result in substantial impacts to local tax base or property values?

Will construction activities impact community events (festivals, fairs, etc.)?

Does the community have an approved transition plan?

If No, are steps being made to advance the community's transition plan?

Does the project comply with the transition plan? (explain in the discussion below)

Discuss how the project complies with the area's local/regional development patterns; whether the project will impact community cohesion; and impact community events. Discuss how the project conforms with the ADA Transition Plan.

There may be temporary inconveniences associated with construction such as increased travel times, possible construction noise, and fugitive dust. There will be no substantial impacts on community cohesion or property values as a result of the project. No permanent or temporary economic effects are expected to result from the proposed project.

The project is not within an area with an Americans with Disabilities Act (ADA) Transition Plan, as the project is not located in an urbanized area. However, ADA compliant facilities will be provided as part of this project, which includes providing ADA accessible parking spots and multiple ADA accessible curb ramps available within the rest area.

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Public Facilities and Services

Discuss what public facilities and services are present in the project area and impacts (such as MOT) that will occur to them. Include how the impacts have been minimized and what coordination has occurred. Some examples of public facilities and services include health facilities, educational facilities, public and private utilities, emergency services, religious institutions, airports, transportation or public pedestrian and bicycle facilities.

Based on a desktop review, the aerial map of the project area (Appendix B: B-3), and the RFI report (Appendix E: E-2 and E-9), one religious facility, two cemeteries, four schools, two recreational facilities, two pipelines, one trail, and two managed lands are located within the 0.5 mile of the project. There are two schools (Sugar Creek Consolidated Elementary School and Big Sprouts Pre-School) and one pipeline (Amoco Oil Company) located adjacent to the project area. Those numbers were confirmed by the site visits on April 25, 2022, and June 28, 2022, by Metric. Sugar Creek Consolidated Elementary School and Big Sprouts Pre-School did not respond to the early coordination letter. There will be no direct impacts to these public facilities, as no additional ROW will be required for the project in these areas. Old US 40 will remain open during construction; therefore, no impacts are expected. Access to all properties will be maintained during construction.

The rest area facilities are within the project area and public access to the rest area facilities will not be available for the duration of construction activities.

Vigo County Surveyor's Office responded on October 18, 2022, with recommendations to avoid or replace survey markers and a benchmark that may be disturbed or damaged due to proposed construction. They would like the benchmark preserved, if possible. If not and it is destroyed, they would like to see the information transferred to a New Benchmark and that information filed in their office. Impacted Survey Markers should be reset with a Harrison Survey Marker, supplied by the Vigo County Surveyor's Office (Appendix C: C-53 to C-54). All applicable recommendations are included in the Environmental Commitments section of this CE document.

It is the responsibility of the project sponsor to notify school corporations and emergency services at least two weeks prior to any construction that would block or limit access.

Environmental Justice (EJ) (Presidential EO 12898)

During the development of the project were EJ issues identified?

Does the project require an EJ analysis?

If YES, then:

Are any EJ populations located within the project area?

Will the project result in adversely high and disproportionate impacts to EJ populations?

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Indicate if EJ issues were identified during project development. If an EJ analysis was not required, discuss why. If an EJ analysis was required, describe how the EJ population was identified. Include if the project has a disproportionately high and adverse effect on EJ populations and explain your reasoning. If yes, describe actions to avoid, minimize and mitigate these effects.

Under FHWA Order 6640.23A, FHWA and the project sponsor, as a recipient of funding from FHWA, are responsible to ensure that their programs, policies, and activities do not have a disproportionately high and adverse effect on minority or low-income populations. Per the current INDOT Categorical Exclusion Manual, an Environmental Justice (EJ) Analysis is required for any project that has two or more relocations or 0.5 acre of additional permanent right-of-way. The project will require 10.46 acres of additional permanent right-of-way; however, no relocations will be necessary. Therefore, an EJ Analysis is required.

Potential EJ impacts are detected by locating minority and low-income populations relative to a reference population to determine if populations of EJ concern exists and whether there could be disproportionately high and adverse impacts to them. The reference population may be a county, city or town and is called the community of comparison (COC). In this project, the COC is Sugar Creek Township. The community that overlaps the project area is called the affected community (AC). In this project, the AC is Census Tract 104.

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An AC has a population of concern for EJ if the population is more than 50% minority or low-income or if the low-income or minority population is 125% of the COC. Data from the 2021 American Community Survey (ACS) 5-year estimates was obtained from the US Census Bureau on December 18, 2022, by Metric Environmental. The data collected for minority and low-income populations within the AC are summarized in the table below.

US Census Bureau American Community Survey 5 year Estimates (2021)	Sugar Creek Township COC	Census Tract 104 AC
LOW-INCOME		
Population for whom poverty status is determined: Total	6,760	3,546
Population for whom poverty status is determined: Income in 2021 below poverty level	1,498	840
Percent Low-Income (Income in 2021 below poverty level)	22.16%	23.69%
125 Percent of COC (125 x COC Percent Low-Income)	27.70%	AC < 125% COC
Low-Income EJ Impact		No
MINORITY		
Total Population: Total	7,162	3,697
Not Hispanic or Latino	7,125	3,697
White alone	6,885	3,605
Black or African American alone	107	49
American Indian and Alaska Native alone	6	6
Asian alone	0	0
Native Hawaiian and Other Pacific Islander alone	0	0
Some other race alone	0	0
Two or more races	127	37
Hispanic or Latino	37	0
Number Non-white/minority	277	92
Percent Non-white/Minority (Total population-white alone)	3.87%	2.49%
125 Percent of COC (125 x COC Percent Non-white/Minority)	4.83%	AC < 125% COC
Minority EJ Impact		No

The AC, Census Tract 104 has a percent minority of 2.49% which is below 50% and is below the 125% COC threshold. Therefore, the AC is not a minority population of EJ concern. Census Tract 104 has a 23.69% low-income population which is below 50% and below the 125% COC threshold. Therefore, the AC is not considered a low-income population of EJ concern. The U.S. Census Bureau data is provided in Appendix I: I-21 to I-22. No further environmental justice analysis is warranted.

Relocation of People, Businesses or Farms

Will the proposed action result in the relocation of people, businesses or farms?
Is a BIS or CSRS required?

Yes	No
<input type="checkbox"/>	<input checked="" type="checkbox"/>
<input type="checkbox"/>	<input checked="" type="checkbox"/>

Number of relocations: Residences: N/A Businesses: N/A Farms: N/A Other: N/A

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Discuss any relocations that will occur due to the project. If a BIS or CSRS is required, discuss the results in the discussion below.

No relocations of people, businesses, or farms will take place as a result of this project.

SECTION I – HAZARDOUS MATERIALS & REGULATED SUBSTANCES

Hazardous Materials & Regulated Substances (Mark all that apply)

- Red Flag Investigation (RFI)
Phase I Environmental Site Assessment (Phase I ESA)
Phase II Environmental Site Assessment (Phase II ESA)
Design/Specifications for Remediation required?

Documentation

Table with 1 column and 4 rows. The first row contains an 'X', the others are empty.

Date RFI concurrence by INDOT SAM (if applicable): October 7, 2022

Include a summary of the potential hazardous material concerns found during review. Discuss in depth sites found within, directly adjacent to, or ones that could impact the project area. Refer to current INDOT SAM guidance. If additional documentation (special provisions, pay quantities, etc.) will be needed, include in discussion. Include applicable commitments.

Based on a review of the Geological Information System (GIS) and available public records, the RFI was completed on October 7, 2022, by Metric and INDOT SAM provided their concurrence on October 7, 2022 (Appendix E: E-1 to E-12). One open waste dump site, one brownfield, seven National Pollution Discharge Elimination System (NPDES) facilities, and one NPDES pipe location are located within 0.5 mile of the project area.

West Side Salvage, 3151 Old US Highway 40, Agency Interest (AI) #57857, is adjacent south of the project area on the west side of Darwin Road between 9th Drive and Old US 40. The site, an apparent salvage yard, is not listed in the GIS layer and was visually identified from aerial photography. Although the site was assigned an AI number, no files are available in the VFC. If the Darwin Road alternative is selected, a Phase II Environmental Site Assessment is recommended to occur before RFC. Prior to any investigation activities, a scope of work plan will be prepared and submitted to INDOT SAM for review and approval.

Powers Property, 603 S. Hovey Place, AI #103663, is approximately 0.05 mile northeast of the east end of the project area. The IDEM Brownfields Program provided an eligibility letter to an economic development agency in December 2011. The eligibility letter noted that although the current use of the site was exclusively residential, a small auto repair business had been operated out of a detached garage from circa 1975 until 1994. No record of contamination, petroleum storage, or on-site disposal from this historic use was found in IDEM's review of information. IDEM determined that the economic development agency was eligible to use Brownfield funding to aid in the redevelopment of the property. No action was ever taken. If the Darwin Road alternative is selected, a Phase II Environmental Site Assessment is recommended to occur before RFC. Prior to any investigation activities, a scope of work plan will be prepared and submitted to INDOT SAM for review and approval.

Clear Creek Welcome Center, I-70 MM 1, Permit #IN0056154, is located in the welcome center portion of the project area. The listing is for the package treatment plant at the welcome center, with an effective permit that expires July 31, 2027. The building will be demolished as part of the proposed project, and waste inputs to the facility will be rerouted to an off-site facility via the proposed sanitary sewer. No additional coordination will be required as this NPDES facility, owned and operated by the state, will be removed during this project.

Clear Creek Welcome Center, NPDES #IN0056154, is an outfall pipe to Clear Creek from the package treatment plant at the welcome center. The pipe will be removed during the NPDES facility removal, and waste inputs to the pipe will be rerouted to an off-site facility via the proposed sanitary sewer. No additional coordination will be required as this NPDES pipe is owned and operated by the state.

Because the sanitary sewer will not extend to Darwin Road, no impact of hazardous materials is anticipated (Appendix E-6).

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Part IV – Permits and Commitments

PERMITS CHECKLIST

Permits (mark all that apply)

Likely Required

Army Corps of Engineers (404/Section10 Permit)

Nationwide Permit (NWP)	<input checked="" type="checkbox"/>
Regional General Permit (RGP)	<input type="checkbox"/>
Individual Permit (IP)	<input type="checkbox"/>
Other	<input type="checkbox"/>

IN Department of Environmental Management (401/Rule 5)

Nationwide Permit (NWP)	<input type="checkbox"/>
Regional General Permit (RGP)	<input type="checkbox"/>
Individual Permit (IP)	<input checked="" type="checkbox"/>
Isolated Wetlands	<input type="checkbox"/>
Construction Stormwater General Permit	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

IN Department of Natural Resources

Construction in a Floodway	<input type="checkbox"/>
Navigable Waterway Permit	<input type="checkbox"/>
Other	<input type="checkbox"/>

Mitigation Required

US Coast Guard Section 9 Bridge Permit	<input checked="" type="checkbox"/>
Others (Please discuss in the discussion below)	<input type="checkbox"/>

List the permits likely required for the project and summarize why the permits are needed, including permits designated as "Other."

An IDEM Individual Section 401 Water Quality Certification Permit and USACE Section 404 Nationwide Permit will likely be needed, due to the anticipated permanent and temporary impacts to UNT 1 to Clear Creek and UNT 5 to Clear Creek. Mitigation will likely be required and will be determined during permitting.

A Construction Stormwater General Permit (CSGP), formerly Rule 5, will be required due to construction activities, which include clearing, grading, excavation, and other land-disturbing activities in the disturbance of 1 acre or more of land.

Applicable recommendations provided by resource agencies are included in the *Environmental Commitments* section of this document. If permits are found to be necessary, the conditions of the permit will be requirements of the project and will supersede these recommendations.

It is the responsibility of the project sponsor to identify and obtain all required permits.

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ENVIRONMENTAL COMMITMENTS

List all commitments and include the name of agency/organization requesting/requiring the commitment(s). Listed commitments should be numbered.

Firm:

- 1) If the scope of work or permanent or temporary right-of-way amounts change, the INDOT Environmental Services Division (ESD) and the INDOT District Environmental Section will be contacted immediately. (INDOT ESD and INDOT District)
- 2) It is the responsibility of the project sponsor to notify school corporations and emergency services at least two weeks prior to any construction that would block or limit access. (INDOT ESD)
- 3) Any work in a wetland area within right-of-way or in borrow/waste areas is prohibited unless specifically allowed in the U.S. Army Corps of Engineers permit. (INDOT EWPO)
- 4) USFWS Bridge/Structure Assessments are only valid for two years. If construction will begin after October 26, 2024, of the building demolitions an inspection of the structures by a qualified individual, must be performed. Inspection of the structures should check for presence of bats/bat indicators and/or presence of birds. The results of the inspections must indicate no signs of bats or birds. If signs of bats or birds are documented during this inspection, the INDOT District Environmental Manager must be contacted immediately. (INDOT ESD)
- 5) General AMM 1: Ensure all operators, employees, and contractors working in areas of known or presumed bat habitat are aware of all FHWA/FRA/FTA (Transportation Agencies) environmental commitments, including all applicable AMMs. (USFWS)
- 6) Lighting AMM 1: Direct temporary lighting away from suitable habitat during the active season. (USFWS)
- 7) Lighting AMM 2: When installing new or replacing existing permanent lights, use downward-facing, full cut-off 2 lens lights (with same intensity or less for replacement lighting); or for those transportation the goal is to be as close to 0 for all three ratings with a priority of "uplight" of 0 and "backlight" as low as practicable. (USFWS)
- 8) Tree Removal AMM 1: Modify all phases/aspects of the project (e.g., temporary work areas, alignments) to the extent practicable to avoid tree removal in excess of what is required to implement the project safely. (USFWS)
- 9) Tree Removal AMM 2: Apply time of year (TOY) restrictions (April 1 - September 30) for tree removal when bats are not likely to be present, or limit tree removal to 10 or fewer trees per project at any time of year within 100 ft. of existing road/rail surface and outside of documented roosting/foraging habitat or travel corridors; visual emergence survey must be conducted with no bats observed. (USFWS)
- 10) Tree Removal AMM 3: Ensure tree removal is limited to that specified in project plans and ensure that contractors understand clearing limits and how they are marked in the field (e.g., install bright colored flagging/fencing prior to any tree clearing to ensure contractors stay within clearing limits). (USFWS)
- 11) Tree Removal AMM 4: Do not remove documented Indiana bat or NLEB roosts that are still suitable for roosting; or trees within 0.25 miles of roosts; or documented foraging habitat any time of year. (USFWS)
- 12) The Project Sponsor will assure that \$78,302.00 of Preliminary Engineering funds will be allocated to the Range-wide In-Lieu Fee Program, administered by The Conservation Fund, to resolve formal consultation under the Range-wide Programmatic (4.25 acres X 1.75 mitigation ratio X \$10,528 = \$78,302.00). Payment shall be in process at the RFC date. (USFWS)

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- 13) In March 2022, the Service proposed to reclassify the NLEB from its current status as federally threatened to federally endangered. The original NLEB listing and current reclassification proposal are due to dramatic population declines associated with white-nose syndrome (WNS), a deadly fungal disease affecting hibernating bats such as the NLEB. On November 30, 2022, the reclassification action was finalized, and the new listing will go into effect January 30, 2023. Once the new classification is effective, re-initiation on this project due to the change in listing status for the NLEB will be required. At that time, an updated 2023 Programmatic Consultation and determination key (via the Information for Planning and Consultation website; IPAC) will be available for use. (USFWS)
- 14) Contractors must take care when handling dead or injured bats (regardless of species), and any other federally listed species that are found at the Project site in order to preserve biological material in the best possible condition and protect the handler from exposure to diseases, such as rabies. Project personnel are responsible for ensuring that any evidence about determining the cause of death or injury is not unnecessarily disturbed. Reporting the discovery of dead or injured listed species is required in all cases to enable the Service to determine whether the level of incidental take exempted by the BO is exceeded, and to ensure that the terms and conditions are appropriate and effective. Parties finding a dead, injured, or sick specimen of any bat (regardless of species), or other endangered or threatened species, must promptly notify the USFWS Bloomington Field Office at (812) 334-4261. (USFWS)
- 15) A "Reinitiation Notice" is required if: more than 4.25 acres of trees are to be cleared between 100 and 300 ft. from the edge of pavement; the amount or extent of incidental take of Indiana bat is exceeded; new information about listed species is encountered; new species is listed or critical habitat designated that the project may affect; the project is modified in a manner that causes an effect to the listed species; or, new information reveals that the project may affect listed species or critical habitat in a manner not considered in the project information. (USFWS)
- 16) Metric will re-initiate coordination with USFWS, after January 30, 2023, when the new NLEB listing status takes effect, to determine if an updated determination key is required. (USFWS)
- 17) Avoid or replace survey markers and benchmarks that may be disturbed or damaged due to proposed construction. The Vigo County Surveyor's Office would like the benchmark preserved, if possible. If not preserved and instead destroyed, the information should be transferred to a New Benchmark and that information filed in the Vigo County Surveyor's office. Impacted Survey Markers should be reset with a Harrison Survey Marker, supplied by the Vigo County Surveyor's Office. (Vigo County Surveyor)

For Further Consideration:

- 18) Do not cut any trees suitable for Indiana bat or Northern Long-eared bat roosting (greater than 5 inches dbh, living or dead, with loose hanging bark, or with cracks, crevices, or cavities) from April 1 through September 30. (IDNR-DFW)
- 19) All directional boring at creek or stream crossings should be done using a trenchless method. The length of the bore should include any forested riparian areas along the creek to minimize impacts to forested habitat. Install erosion control measures such as silt fencing or other appropriate devices around directional drilling pits in order to prevent drilling mud from leaving the immediate area of the pit or entering the stream. (IDNR-DFW)
- 20) Any open-trench stream crossing should be timed to coincide with the low-water time of year (typically mid- to late-summer). (IDNR-DFW)
- 21) Restore disturbed streambanks using bioengineering bank stabilization methods and revegetate disturbed banks with native trees, shrubs and herbaceous plants. Stream bank slopes after project completion should be restored to stable-slope steepness (not steeper than 2:1). (IDNR-DFW)

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- 22) The cleared width through any forested area as a result of directional boring should be the minimum needed to install the line and no more than 20 ft. wide through the forested area to allow the canopy to close over the line. (IDNR-DFW)
- 23) Use graded stone or riprap to protect the section of trench below the normal water level from scour or erosion (any stone or riprap fill in the streambed must not be placed above the existing streambed elevation to avoid creating a fish passage obstruction). (IDNR-DFW)
- 24) A minimum 35 ft. wide forested buffer should be maintained on the east side of the rest area between the cleared areas and the top of bank on both sides of the stream (IDNR-DFW).
- 25) Impacts to non-wetland forest of one (1) acre or more should be mitigated at a minimum 2:1 ratio. If less than one acre of non-wetland forest is removed in a rural setting, replacement should be at a 1:1 ratio based on area. Impacts to non-wetland forest under one (1) acre in an urban setting should be mitigated by planting five trees, 1 inch to 2 inches in diameter-at-breast height (dbh), for each tree which is removed that is 10 inches dbh or greater (5:1 mitigation based on the number of large trees) or by using the 1:1 replacement ratio based on area depending on the type of habitat impacted (individual canopy tree removal in an urban streetscape or park-like environment versus removal of habitat supporting a tree canopy, woody understory, and herbaceous layer). Impacts under 0.10 acre in an urban area may still involve the replacement of large diameter trees but typically do not require any additional mitigation or additional plantings beyond seeding and stabilizing disturbed areas. There are exceptions for high quality habitat sites however. The mitigation site should be located in the floodway, downstream of the one (1) square mile drainage area of that stream (or another stream within the 8-digit HUC, preferably as close to the impact site as possible) and adjacent to existing forested riparian habitat. (IDNR-DFW)
- 26) Culverts should span the active stream channel, should be either embedded or a 3-sided or open-arch culvert, and be installed where practicable on an essentially flat slope. When an open-bottom culvert or arch is used in a stream, which has a good natural bottom substrate, such as gravel, cobbles and boulders, the existing substrate should be left undisturbed beneath the culvert to provide natural habitat for the aquatic community. (USFWS)
- 27) Minimize the extent of hard armor (riprap) in bank stabilization by using bioengineering techniques whenever possible. If riprap is utilized for bank stabilization, extend it below low-water elevation to provide aquatic habitat. (USFWS)
- 28) Avoid all work within the inundated part of the stream channel (in perennial streams and larger intermittent streams) during the fish spawning season (April 1 through June 30), except for work within sealed structures such as caissons or cofferdams that were installed prior to the spawning season. No equipment shall be operated below Ordinary High-Water Mark during this time unless the machinery is within the caissons or on the cofferdams. (USFWS)
- 29) Evaluate wildlife crossings under bridge/culverts projects in appropriate situations. Suitable crossings include flat areas below bridge abutments with suitable ground cover, high water shelves in culverts, amphibian tunnels and diversion fencing. (USFWS)
- 30) Restrict below low-water work in streams to placement of culverts, piers, pilings and/or footings, shaping of the spill slopes around the bridge abutments, and placement of riprap. (USFWS)

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**APPENDIX A:
INDOT Supporting Documentation**

Categorical Exclusion Level Thresholds

	PCE	Level 1	Level 2	Level 3	Level 4 ¹
Section 106	Falls within guidelines of Minor Projects PA	“No Historic Properties Affected”	“No Adverse Effect”	-	“Adverse Effect” Or Historic Bridge involvement ²
Stream Impacts³	No construction in waterways or water bodies	< 300 linear feet of stream impacts	≥ 300 linear feet of stream impacts	-	USACE Individual 404 Permit ⁴
Wetland Impacts³	No adverse impacts to wetlands	< 0.1 acre	-	< 1.0 acre	≥ 1.0 acre
Right-of-way⁵	Property acquisition for preservation only or none	< 0.5 acre	≥ 0.5 acre	-	-
Relocations	None	-	-	< 5	≥ 5
Threatened/Endangered Species (Species Specific Programmatic for Indiana bat & northern long eared bat)*	“No Effect”, “Not likely to Adversely Affect” (With select AMMs ⁶)	“Not likely to Adversely Affect” (With any AMMs or commitments)	-	“Likely to Adversely Affect”	Project does not fall under Species Specific Programmatic ⁷
Threatened/Endangered Species (Any other species)*	Falls within guidelines of USFWS 2013 Interim Policy or “No Effect”	“Not likely to Adversely Affect”	-	-	“Likely to Adversely Affect”
Environmental Justice	No disproportionately high and adverse impacts	-	-	-	Potential ⁸
Sole Source Aquifer	No Detailed Groundwater Assessment	-	-	-	Detailed Groundwater Assessment
Floodplain	No Substantial Impacts	-	-	-	Substantial Impacts
Section 4(f) Impacts	None	-	-	-	Any ⁹
Section 6(f) Impacts	None	-	-	-	Any
Permanent Traffic Alteration	None	-	-	-	Any
Noise Analysis Required	No	-	-	-	Yes
Air Quality Analysis Required	No	-	-	-	Yes ¹⁰
Approval Level	Concurrence by DE or ESD	DE or ESD	DE or ESD	DE and/or ESD	DE and/or ESD; and FHWA
<ul style="list-style-type: none"> • District Env. (DE) • Env. Serv. Div. (ESD) • FHWA 					

¹ Coordinate with INDOT Environmental Services Division. INDOT will then coordinate with the appropriate FHWA Environmental Specialist.

² Any involvement with a bridge processed under the Historic Bridge Programmatic Agreement.

³ Total permanent impacts to streams (linear feet) and wetlands (acres).

⁴ US Army Corps of Engineers Individual 404 Permit

⁵ Total permanent and temporary right-of-way. This does not include reacquisition of existing apparent right-of-way.

⁶ Avoidance and Mitigation Measures (AMMs) determined by the IPAC determination key to be required that are not tree AMMs, bridge AMMs, or structure AMMs.

⁷ Projects that do not fall under a Species Specific Programmatic and results in a “Likely to Adversely Affect”. Other findings can be processed as a lower level CE.

⁸ Potential for causing a disproportionately high and adverse impact.

⁹ Section 4(f) use resulting in an Individual, Programmatic, or *de minimis* evaluation. The only exception is a *de minimis* evaluation for historic properties (Effective January 2, 2020). If a historic property *de minimis* and no other use, mark the *None* column.

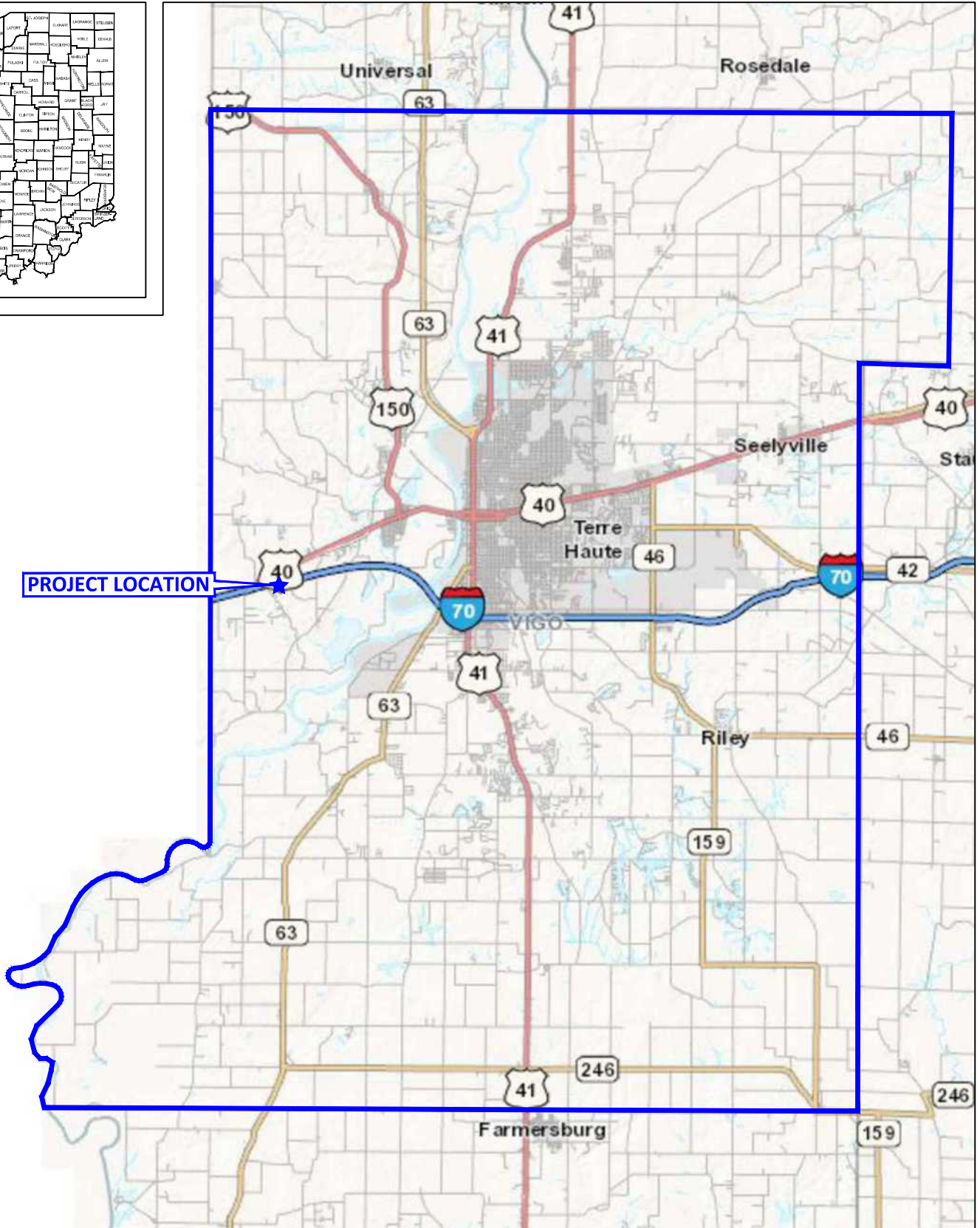
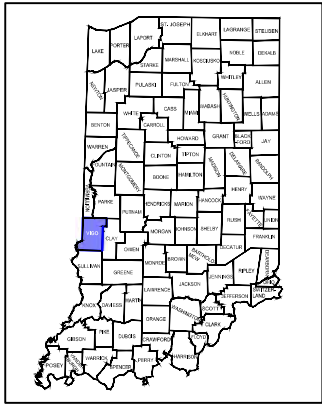
¹⁰ Hot Spot Analysis and/or MSAT Quantitative Emission Analysis.

* Includes the threatened/endangered species critical habitat

Note: Substantial public or agency controversy may require a higher-level NEPA document.

APPENDIX B:

Graphics



P:\2021\21-0049 - I-70 Rest Area Modernization\5 - Deliverables\Exhibits\Task 3\ECL\Location Map.dwg

Source: <http://maps.indiana.edu/>

Location Map
 Environmental Services
 I-70 Rest Area Modernization – Clear Creek Welcome Center
 Vigo County, Indiana
 Des. No. 1902855
 Metric Project #21-0049-3

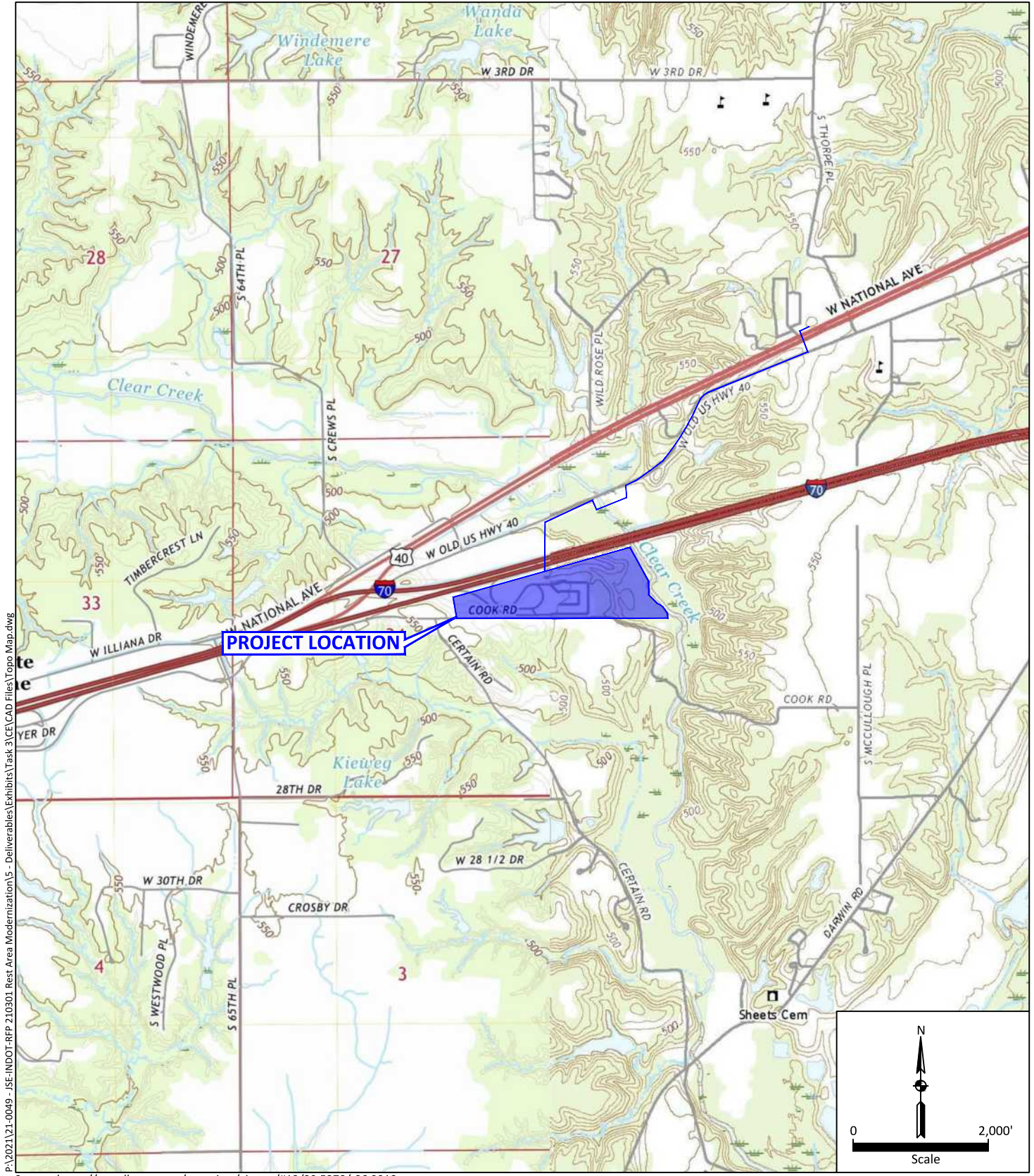
All locations approximate



Not to Scale



Drawn by: ILJ
 Checked by: SC
 Approved by: LBH
 Date: October, 2022



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Source: <https://ngmdb.usgs.gov/topoview/viewer/#12/39.5378/-86.2918>

USGS Topographic Map
 Environmental Services
 I-70 Rest Area Modernization – Clear Creek Welcome Center
 Vigo County, Indiana
 Des. No. 1902855
 Metric Project #21-0049-3

All locations approximate
 Base map:
 2019 Terre Haute, IN and
 2018 Dennison, IL
 7.5 Minute Quadrangle



Drawn by: ILJ
 Checked by: SC
 Approved by: LBH
 Date: December, 2022

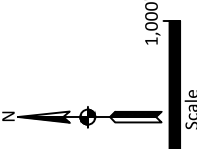


P:\2021\21-0049 - JSE-INDOT-RFP 210301 Rest Area Modernization\5 - Deliverables\Exhibits\Task 3\CE\CAD Files\2013 Aerial Photograph.dwg

Source: <https://vigo.in.wrhgis.com/>

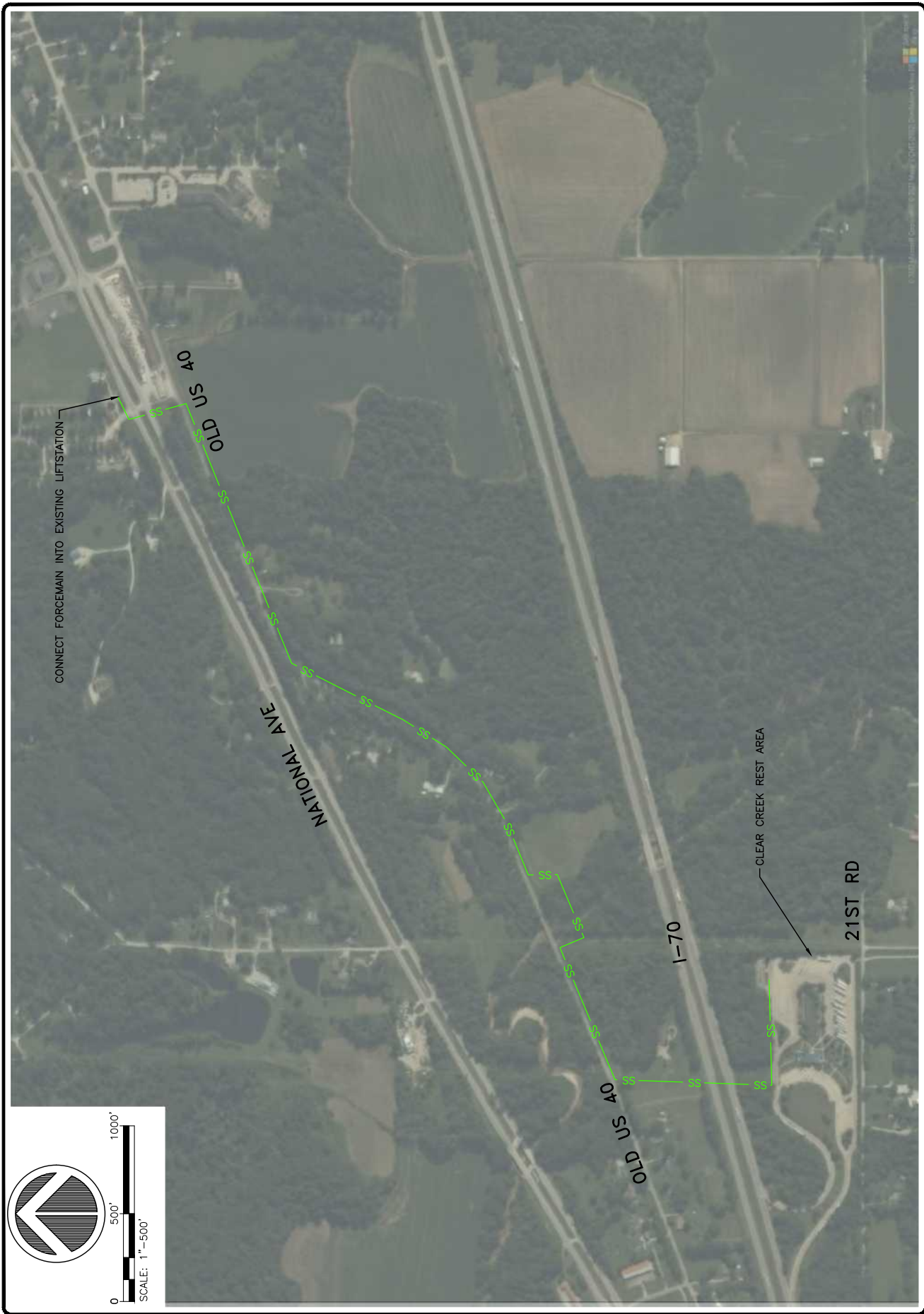
2013 Aerial Photograph
 Environmental Services
 I-70 Rest Area Modernization – Clear Creek Welcome Center
 Vigo County, Indiana
 Des. No. 1902855
 Metric Project #21-0049-3

Note: All locations are approximate



METRIC ENVIRONMENTAL
 Drawn by: ILJ
 Checked by: SC
 Approved by: LBH
 Date: December, 2022

DATE:	CHECK:	BAB
05/25/2022		
DESIGN:	LMM	TBE
PROJECT NO.	220005	
SHEET NO.	1 OF 01	



CONNECT FORCEMAIN INTO EXISTING LIFTSTATION

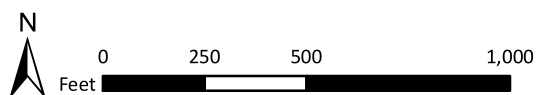
CLEAR CREEK REST AREA



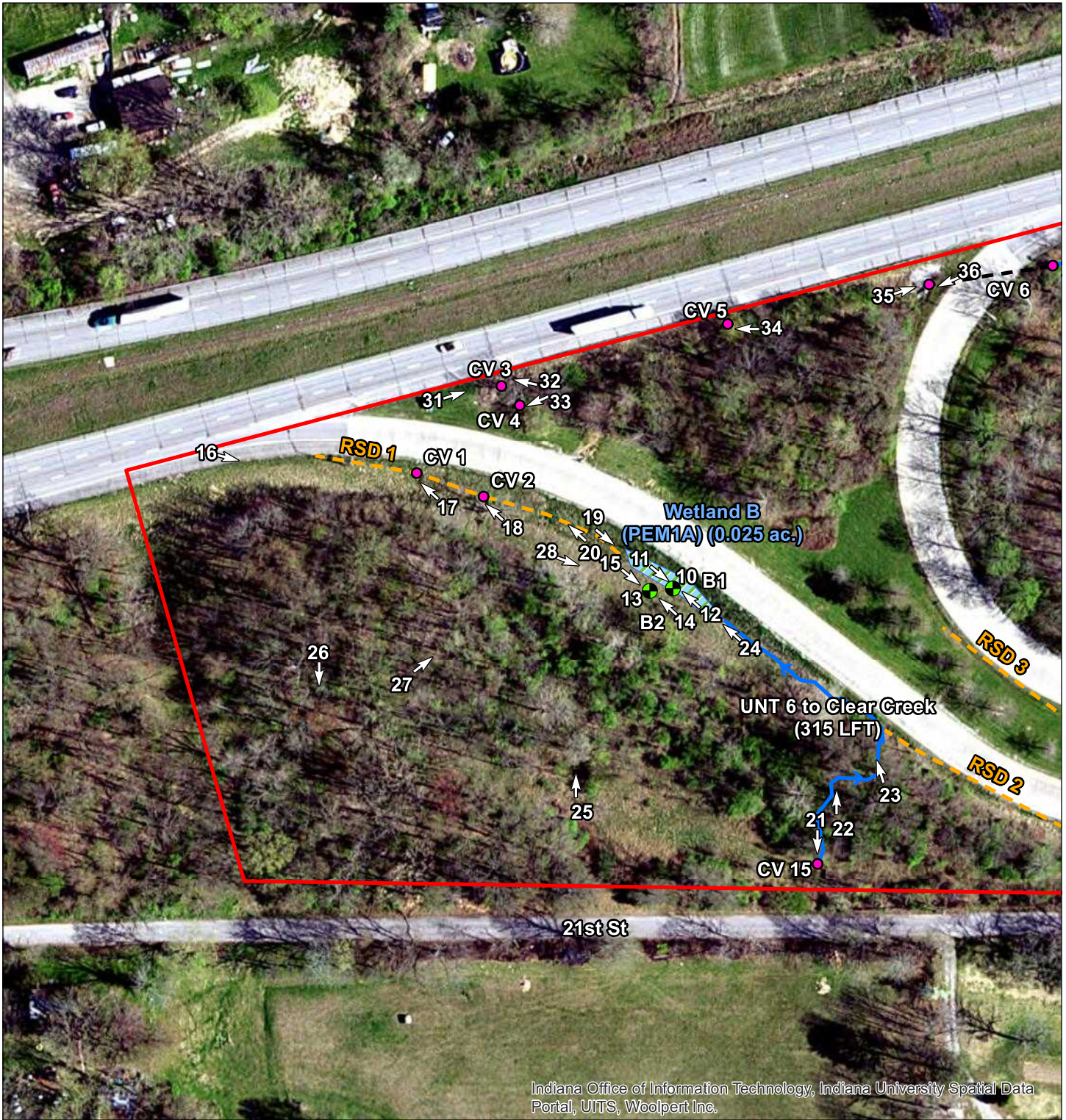
- Page
- Investigated Area (IA)

Photo Location Reference Map
 I-70 Clear Creek Welcome Center Rest
 Area Modernization
 Sugar Creek Township, Vigo County, IN
 Des. No. 1902855
 Metric Project No. 21-0049-3
 Map Date: 3/21/2022
 Map Author: Kristina Zuniga

All locations approximate
 Source: Indiana Spatial Data Portal (2018)



Exh. 6 Reference Map



Indiana Office of Information Technology, Indiana University Spatial Data Portal, UITS, Woolpert Inc.

- Investigated Area (IA)
- Culvert
- Roadside Ditch
- Delineated Wetland Continues Beyond IA
- Sampling Point
- Wetland
- Culvert (CV) Opening/Storm Drain
- Stream

Photo Location Map
 I-70 Clear Creek Welcome Center
 Rest Area Modernization
 Sugar Creek Township, Vigo County, Indiana
 Des. No. 1902855
 Metric Project No. 21-0049-3
 Map Date: 5/12/2022
 Map Author: April Pape

All locations approximate
 Source: Indiana Spatial Data Portal (2018)

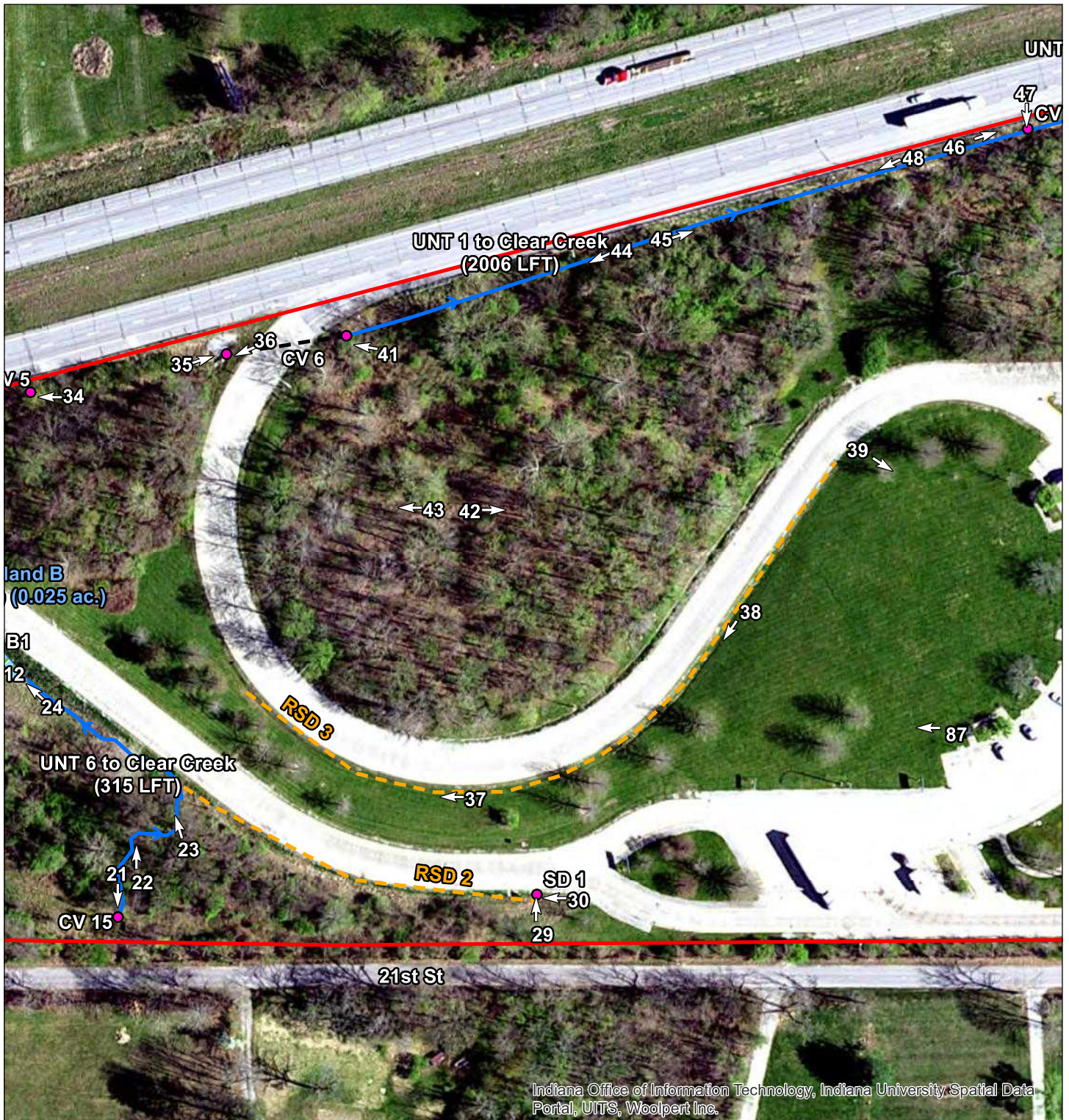
N

0
50
100
200

 Feet



Exh. 6
 Page 1 of 5



Indiana Office of Information Technology, Indiana University Spatial Data Portal, UITS, Woolpert Inc.

- | | | |
|--|----------------|----------------|
| Investigated Area (IA) | Culvert | Roadside Ditch |
| Delineated Wetland Continues Beyond IA | Sampling Point | Wetland |
| Culvert (CV) Opening/Storm Drain | Stream | |

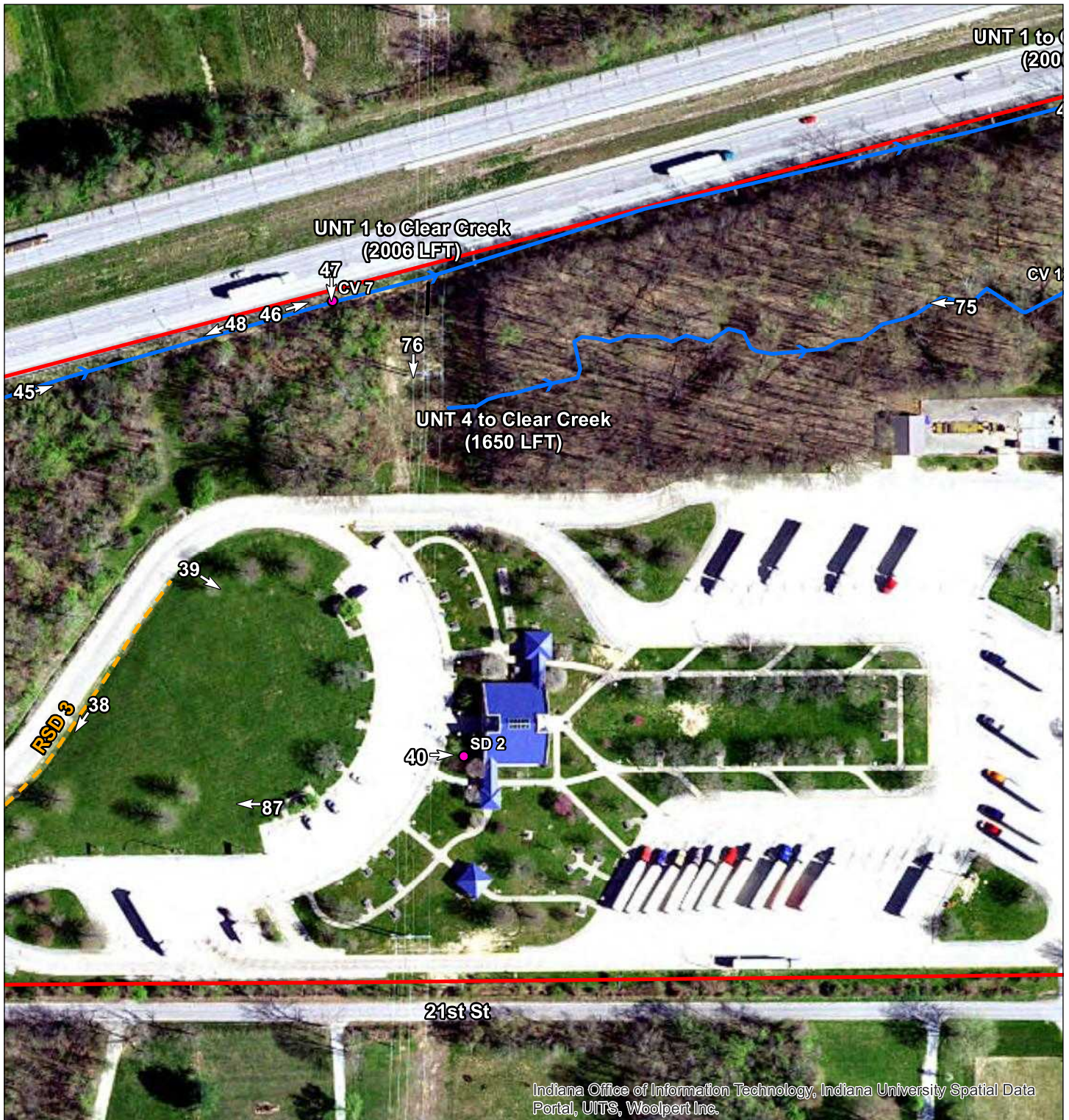
Photo Location Map
 I-70 Clear Creek Welcome Center
 Rest Area Modernization
 Sugar Creek Township, Vigo County, Indiana
 Des. No. 1902855
 Metric Project No. 21-0049-3
 Map Date: 5/12/2022
 Map Author: April Pape

All locations approximate
 Source: Indiana Spatial Data Portal (2018)

N
 0 50 100 200
 Feet



Exh. 6
 Page 2 of 5



Indiana Office of Information Technology, Indiana University Spatial Data Portal, UITS, Woolpert Inc.

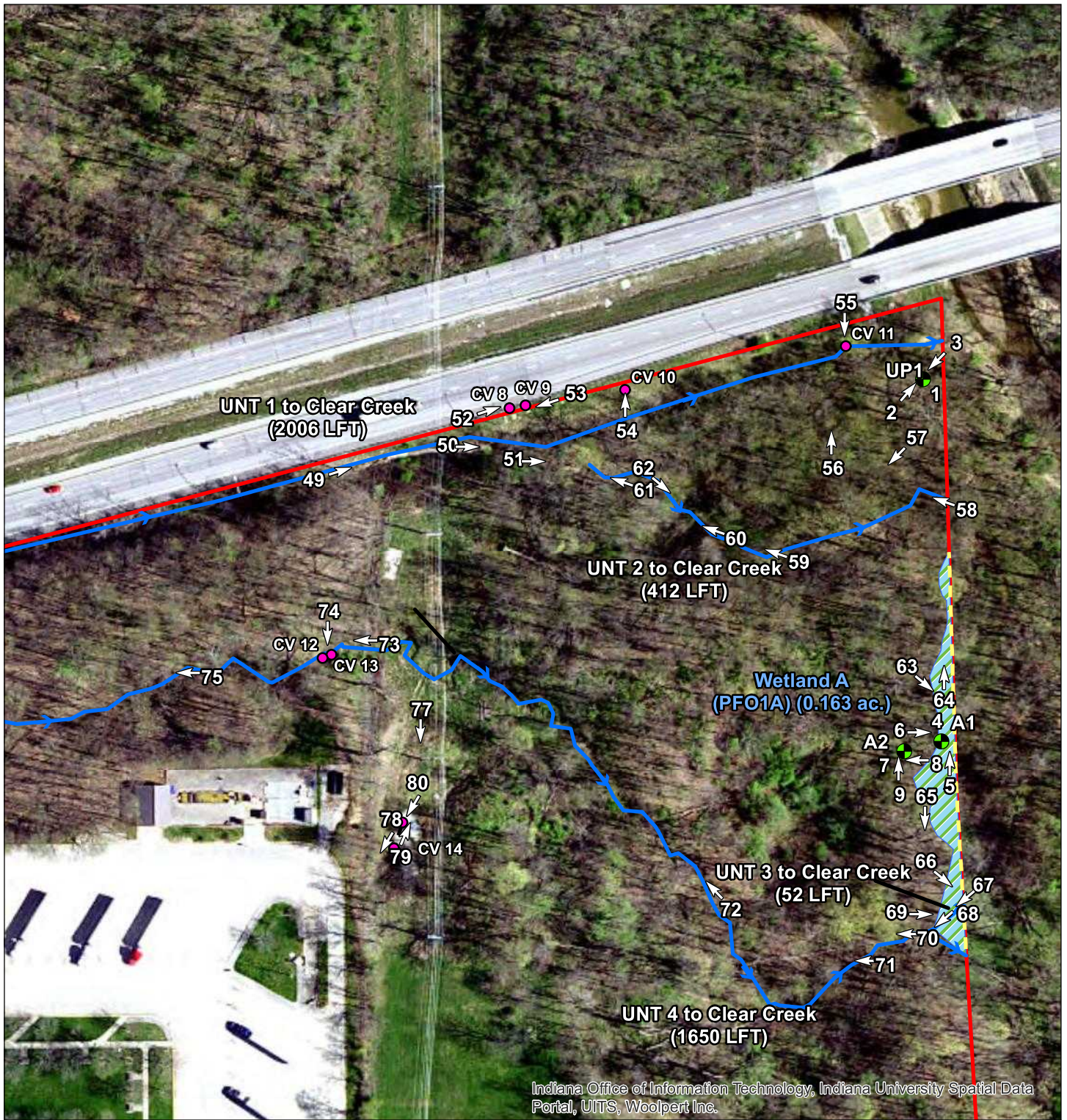
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|--|----------------|----------------|
| Investigated Area (IA) | Culvert | Roadside Ditch |
| Delineated Wetland Continues Beyond IA | Sampling Point | Wetland |
| Culvert (CV) Opening/Storm Drain | Stream | |

Photo Location Map
 I-70 Clear Creek Welcome Center
 Rest Area Modernization
 Sugar Creek Township, Vigo County, Indiana
 Des. No. 1902855
 Metric Project No. 21-0049-3
 Map Date: 5/12/2022
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All locations approximate
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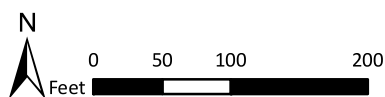
Exh. 6
 Page 3 of 5



- Investigated Area (IA)
- Delineated Wetland Continues Beyond IA
- Culvert (CV) Opening/Storm Drain
- Culvert
- Sampling Point
- Stream
- Roadside Ditch
- Wetland

Photo Location Map
 I-70 Clear Creek Welcome Center
 Rest Area Modernization
 Sugar Creek Township, Vigo County, Indiana
 Des. No. 1902855
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 Map Author: April Pape

All locations approximate
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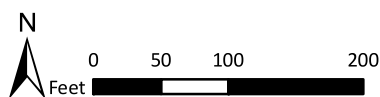




- | | | |
|--|----------------|----------------|
| Investigated Area (IA) | Culvert | Roadside Ditch |
| Delineated Wetland Continues Beyond IA | Sampling Point | Wetland |
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Photo Location Map
 I-70 Clear Creek Welcome Center
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Exh. 6
 Page 5 of 5



1. View of UP1, Upland Sampling Point 1, soil profile.



2. View of UP1, looking northeast.



3. View of UP1, looking southwest.



4. View of A1, Wetland A sampling point, soil profile.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center

Rest Area Modernization

Sugar Creek Township, Vigo County, Indiana

Des. No. 1902855





5. View of A1, looking north.



6. View of A1, looking east.



7. View of A2, Wetland A upland sampling point, soil profile.



8. View of A2, looking west.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





9. View of A2, looking north.



10. View of B1, Wetland B sampling point, soil profile.



11. View of B1, looking southeast.



12. View of B1, looking northwest.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





13. View of B2, Wetland B upland sampling point, soil profile.



14. View of B2, looking northwest.



15. View of B2, looking southeast.



16. View of roadside ditch (RSD) 1 from northern limits of investigated area (IA), looking southeast.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





17. View of Culvert (CV) 1, looking northwest.



18. View of CV 2, looking northwest.



19. View of Wetland B, looking southeast.



20. View of Wetland B and RSD 1, looking northwest.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





21. View of Unnamed Tributary (UNT) 6 to Clear Creek, looking south.



22. View of UNT 6 to Clear Creek, looking north.



23. View of UNT 6 to Clear Creek, looking northwest.



24. View of Wetland B, looking northwest.

SITE PHOTOGRAPHS—4/25/2022
I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





25. View of forested area in western IA, looking north.



26. View of western portion of IA, looking south beyond fence.



27. View of vehicle tracks in forested area of western IA, looking northeast.



28. View of Wetland B, looking southeast.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





29. View of Storm Drain (SD) 1, looking north.



30. View of RSD 2, looking west.



31. View of I-70 right-of-way (ROW), looking northeast.



32. View of CV 3, looking northwest.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





33. View of CV 4, looking southwest.



34. View of CV 5, looking west.



35. View of CV 6 inlet, looking northeast.



36. View of I-70 ROW, looking southwest.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





37. View of RSD 3, looking west.



38. View of RSD 3, looking southwest.



39. View of upland area in front of welcome center, looking southeast.



40. View of SD 2, looking east.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





41. View of CV 6 outlet, looking northwest.



42. View of upland forested area, looking east.



43. View of upland forested area, looking west.



44. View of UNT 1 to Clear Creek and I-70 ROW, looking southwest.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





45. View of UNT 1 to Clear Creek and I-70 ROW, looking north-east.



46. View of erosion along banks of UNT 1 to Clear Creek, looking northeast.



47. View of CV 7, looking south.



48. View of UNT 1 to Clear Creek, looking southwest.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





49. View of concrete ditch within UNT 1 to Clear Creek, looking northeast.



50. View of UNT 1 to Clear Creek, looking east.



51. View of flooded area within UNT 1 to Clear Creek, looking east.



52. View of CV 8, looking northeast.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





53. View of CV 9, looking southwest.



54. View of CV 10, looking north.



55. View of CV 11, looking south.



56. View of forested area in eastern IA, looking north.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





57. View of forested area in eastern IA, looking southeast.



58. View of UNT 2 to Clear Creek, looking northwest.



59. View of flooding in UNT 2 to Clear Creek, looking northwest.



60. View of UNT 2 to Clear Creek, looking northwest.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





61. View of debris piling along fence in UNT 2 to Clear Creek, looking northwest.



62. View of UNT 2 to Clear Creek, looking southeast.



63. View of Wetland A, looking southeast.



64. View of Wetland A, looking north.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





65. View of Wetland A boundary, looking south.



66. View of Wetland A, looking southeast outside of IA.



67. View of UNT 3 to Clear Creek, looking southeast.



68. View of confluence of UNT 3 to Clear Creek and UNT 4 to Clear Creek, looking southeast.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





69. View of UNT 3 to Clear Creek, looking east.



70. View of UNT 4 to Clear Creek, looking west.



71. View of UNT 4 to Clear Creek, looking west.



72. View of undercut banks in UNT 4 to Clear Creek, looking northwest.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





73. View of CV 13 and UNT 4 to Clear Creek, looking west.



74. View of CV 12 and CV 13, looking south.



75. View of UNT 4 to Clear Creek, looking west.



76. View of clearing in forested area, looking south.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





77. View of clearing in forested area, looking south.



78. View of CV 14 inlet, looking southwest.



79. View of CV 14 outlet, looking northeast.



80. View inside of CV 14, looking southwest.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





81. View of upland area from southeastern limits of IA, looking north.



82. View of UNT 5 to Clear Creek, looking north.



83. View of UNT 5 to Clear Creek, looking northeast.



84. View of UNT 5 to Clear Creek, looking east.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





85. View of UNT 5 to Clear Creek, looking southwest.



86. View of Barrett Switch Rd. ROW, looking west.



87. View of mowed area in front of welcome center, looking west.



88. View of upland area north of UNT 5 to Clear Creek, looking northeast.

SITE PHOTOGRAPHS—4/25/2022

I-70 Clear Creek Welcome Center
Rest Area Modernization
Sugar Creek Township, Vigo County, Indiana
Des. No. 1902855





89. View of upland area north of UNT 5 to Clear Creek, looking west.

SITE PHOTOGRAPHS—4/25/2022

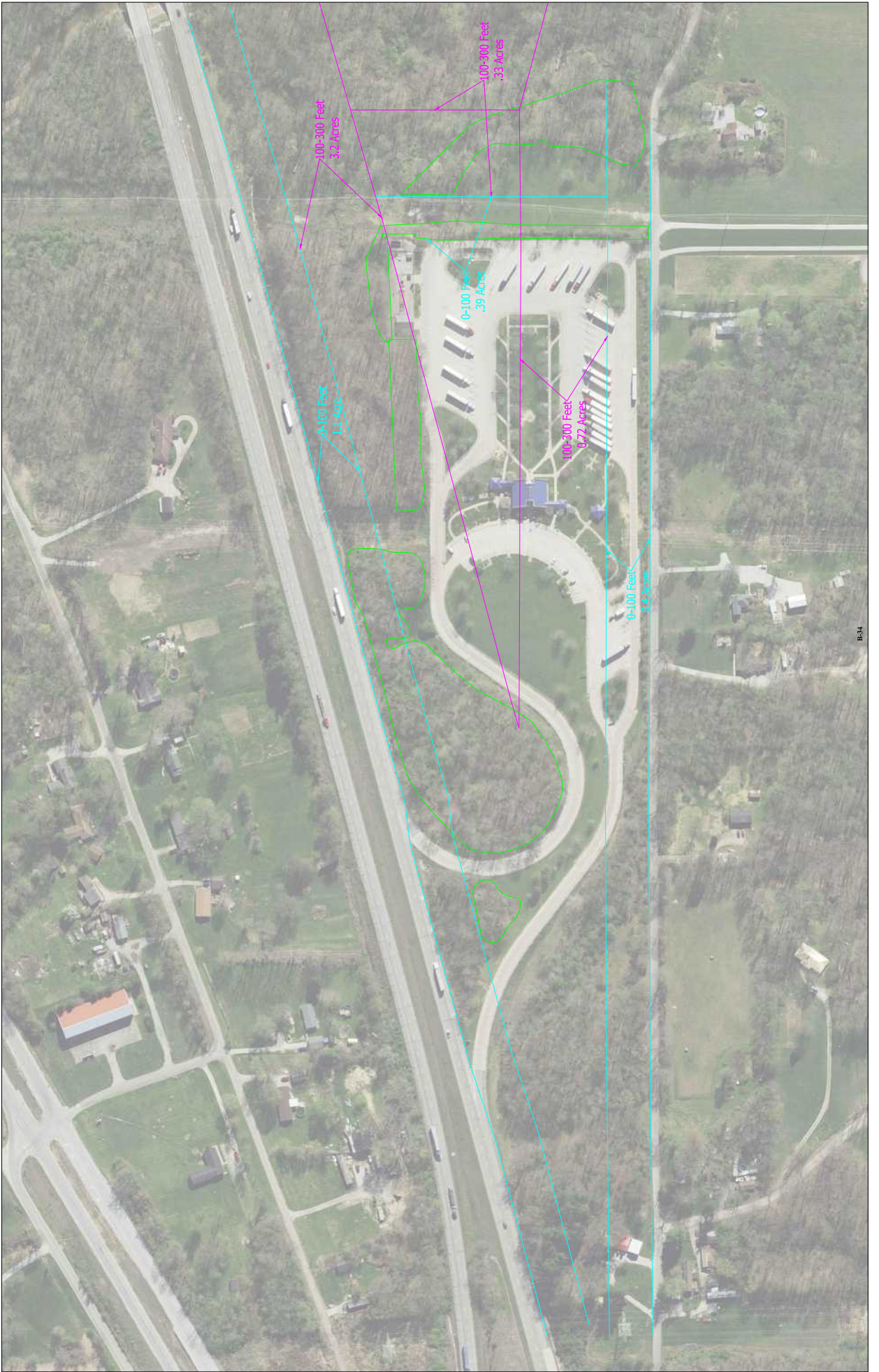
I-70 Clear Creek Welcome Center

Rest Area Modernization

Sugar Creek Township, Vigo County, Indiana

Des. No. 1902855





I-70 Clear Creek

Overall Tree Clearing Exhibit



AREA 1

Google Earth



2000 ft

I-70 Clear Creek

Area 1

BORE PIT FOR SAN.
FORCE MAIN - 10' X 15' =
0.004 AC

BORE PIT FOR SAN.
FORCE MAIN - 10' X 15' =
0.004 AC

BORE PIT FOR SAN.
FORCE MAIN - 10' X 15' =
0.004 AC

Google Earth

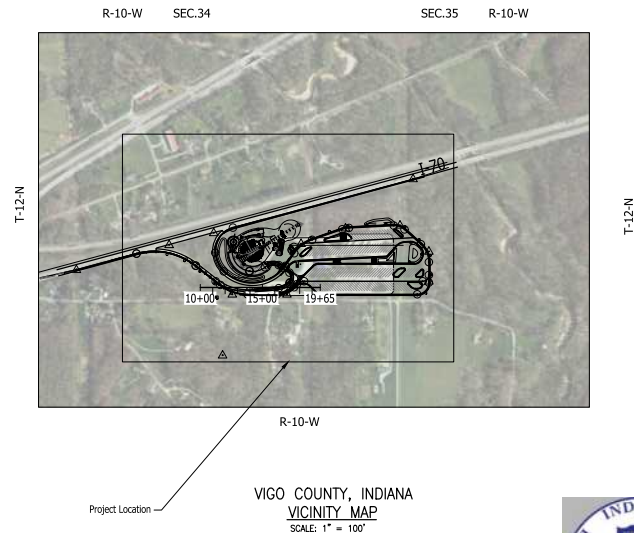


300 ft

CLEAR CREEK WELCOME CENTER INDIANA DEPARTMENT OF TRANSPORTATION DRAWING SET #6 CIVIL SITE (SPECIFICATIONS VOLUMES 1, 5)



UTILITIES				
SHEET INDEX	PROVIDER	PHONE	CONTACT	ADDRESS
ELECTRIC	DUKE ENERGY	(812) 231-8721 (OFFICE)	TYLER ANGLE (DISTRIBUTION)	301 HOME AVE, TERRE HAUTE, IN 47803
		(812) 249-7163 (M)		
		(812) 375-2021	RYAN DAUGHARTY (TRANSMISSION)	2727 CENTRAL AVE, COLUMBUS, IN, 47201
WATER & SEWER	TOWN OF WEST TERRE HAUTE	(812) 533-1053 (OFFICE) (812) 870-5950 (M)	ED STEWART	500 W. NATIONAL AVE WEST TERRE HAUTE, IN 47885
WIRELESS INTERNET	JOINK, LLC	(812) 234-5100 (812) 315-6465		834 S. 10TH ST TERRE HAUTE, IN 47807 2727 Central Ave, Columbus, In, 47201



DECEMBER 1, 2022

INDIANA DEPARTMENT OF TRANSPORTATION
STANDARD SPECIFICATIONS DATED 2020,
RECOMMENDED STANDARDS FOR WASTEWATER FACILITIES
DATED 2014 (10 STATE STANDARDS) AND
RECOMMENDED STANDARDS FOR WATER WORKS
DATED 2018 (10 STATE STANDARDS)
TO BE USED WITH THESE PLANS

Certified by: Robert Gray



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1
CLEAR CREEK WELCOME CENTER
VIGO COUNTY, INDIANA



Revisions:

Project Number: 84003001-22-058-C1
Registration Number:

Account Number:

Division: ENG M MMMM YYYY

Division: TEC

INSP Approval:

Client Approval:

Reference Number: 1364

Drawing Reference:

Drawing Number: G100

Sheet: --- of TBD

1/1/2022 10:00 AM Project: 84003001-22-058-C1 Drawing: G100 Title: CLEAR CREEK WELCOME CENTER (VIGO) SHEET #6 CIVIL SITE (SPECIFICATIONS VOLUMES 1, 5) Date: 12/01/2022 10:00 AM

SHEET INDEX

SITE CIVIL

1	G-100	COVER SHEET
2	G- 101	SHEET INDEX
3	G-102	MAINTENANCE OF TRAFFIC
4	D-100	SITE DEMOLITION PLANS
5	D-101	SITE DEMOLITION PLANS
6	C-100	SITE PLAN OVERALL
7	C-101	SITE PLAN GEOMETRY
8	C-102	SITE PLAN GEOMETRY
9	C-103	SITE PLANS
10	C-104	SITE PLANS
11	C-105	SITE PLANS DETAIL
12	C-106	SITE CURB RAMP DETAILS
13	C-107	3 - WAY INTERSECTION DETAIL
14	C-108	BUILDING AND AUTO PARKING SITE PLAN
15	C-109	SITE TYPICAL SECTIONS
16	C-200	SITE GRADING PLANS
17	C-201	SITE GRADING PLANS
18	C-300	SITE DRAINAGE PLANS
19	C-301	SITE DRAINAGE PLANS
20	C-302	SITE DRAINAGE STRUCTURE DETAILS
21	C-303	SITE DRAINAGE STRUCTURE DETAILS
22	C-304	STRUCTURE DATA TABLE, PIPE MATERIAL TABLE
23	C-305	UNDERDRAIN TABLE
24	C-400	SITE SANITARY SEWER & WATER MAIN LAYOUT
25	C-401	SITE SANITARY SEWER & WATER MAIN LAYOUT
26	C-402	SANITARY SEWER PROFILES, STRUCTURE DATA TABLE
27	C-403	WATER MAIN DETAILS
28	C-404	WATER MAIN DETAILS
29	C-500	SITE SMALL SIGNS & PAVEMENT MARKINGS LAYOUT
30	C-501	SITE SMALL SIGNS & PAVEMENT MARKINGS LAYOUT
31	C-502	PAVEMENT MARKINGS PARKING SPACE DETAILS
32	C-503	SMALL SIGNS & POST SUMMARY TABLE
33	C-504	PANEL SIGNS & POST SUMMARY TABLE
34	C-600	SITE LIGHTING & ITS LAYOUT
35	C-601	SITE LIGHTING & ITS LAYOUT
36	C-602	LIGHTING FOUNDATION DETAILS
37	C-603	ITS FIBER MAP
38	C-700	SITE SWM LAYOUT
39	C-701	SITE SWM LAYOUT
40	C-702	SITE SWM LAYOUT
41	C-800	D-1 JOINT LAYOUT
42	C-801	D-1 JOINT LAYOUT
43	FD-01	LIGHTING FOUNDATION DETAILS
44	FD-02	SIGN FOUNDATION DETAILS

Certified by Robert Gray



PUBLIC WORKS PROJECT NO. 84003001-22-058-C1
CLEAR CREEK WELCOME CENTER
WEST TERRA HAUTE, VIGO COUNTY, INDIANA



Revisions:

Project Number: 84003001-22-058-C1

Registration Number:

Account Number:

Discipline: ENG

Division: TEC

NAFTA Approval:

Client Approval:

Reference Number: 1364

Building Reference:

Drawing Number: G101

Sheet: --- of TBD

Credited by: Robert Gray

JOE
JANSSEN & SPANNS ENGINEERING
400 Harding Park Court
Columbus, Indiana 47324
www.joe-engineering.com

synthesis
RATIO

LANDSCAPE ARCHITECTURE
20 W Monroe Street, Suite 500
Chicago, IL 60601
T: 312.462.2100
www.synthesis.com

PUBLIC WORKS PROJECT NO. S4003001-22-058-C1
CLEAR CREEK WELCOME CENTER
VIGO COUNTY, INDIANA

STATE OF INDIANA
DEPARTMENT OF ADMINISTRATION
PUBLIC WORKS DIVISION
ROOM 300, INDIANA DEPARTMENT CENTER SOUTH
INDIANAPOLIS, INDIANA 46204
317-232-3000

Revision:

Project Name: S4003001-22-058-C1

Registration Number:

Account Number:

Discipline: ENG

Division: TEC

Project Approval:

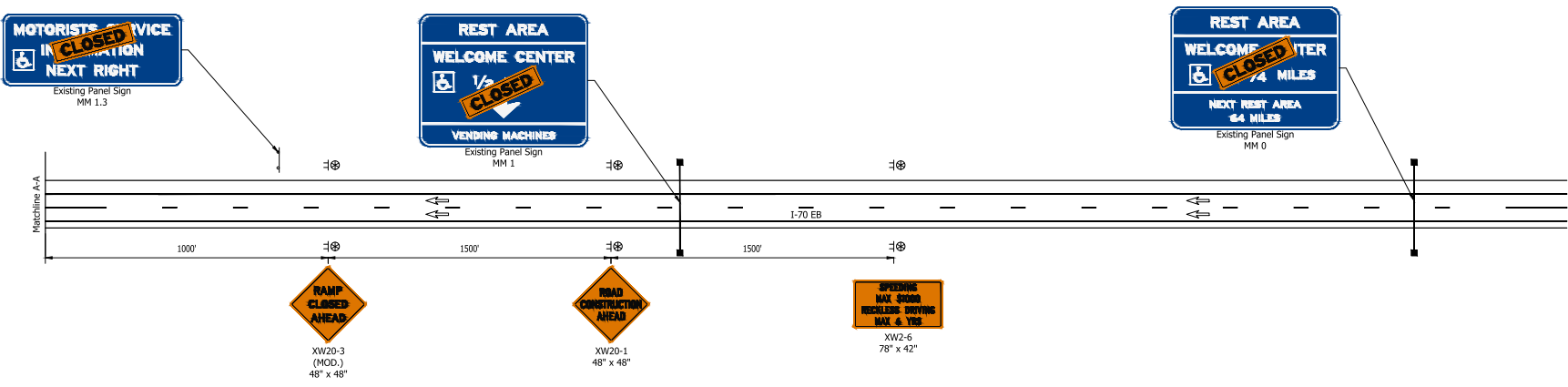
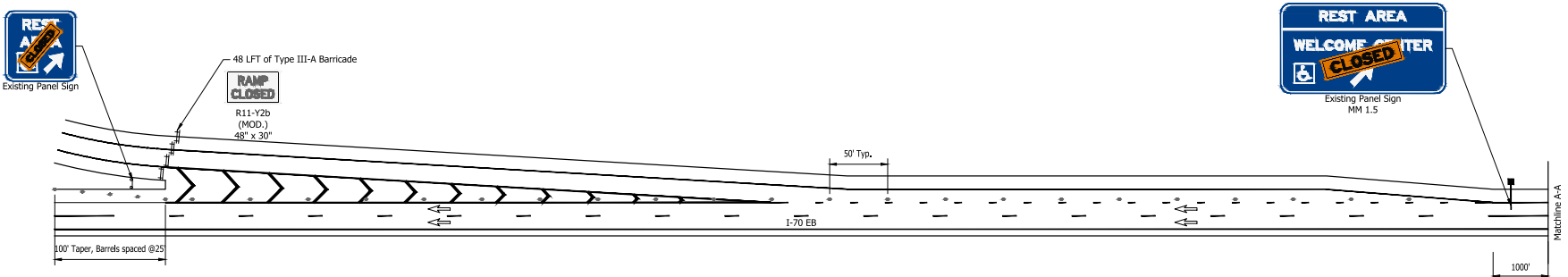
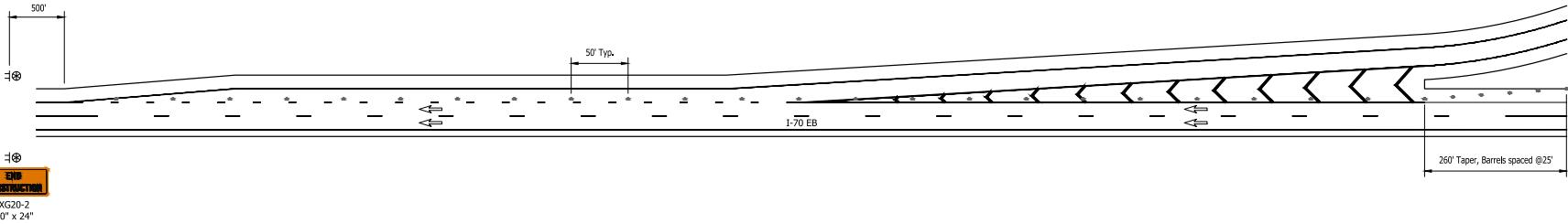
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Reference Number: 1364

Building Reference:

Drawing Number: G102

Sheet: --- of TBD












Vertical Curve Data: 100' Taper, Barrels spaced @25'

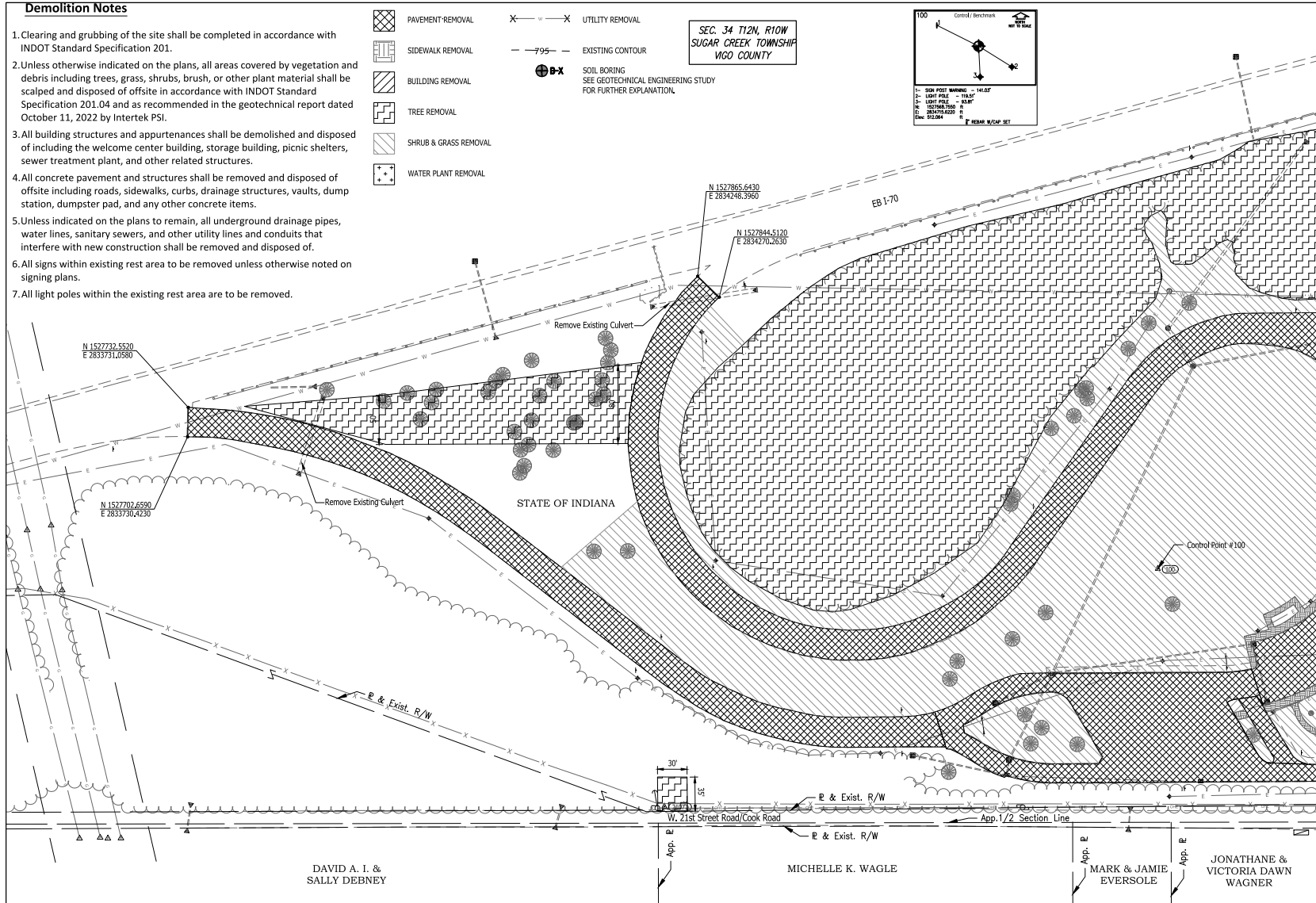
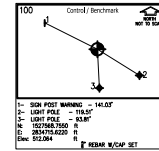
Demolition Notes

1. Clearing and grubbing of the site shall be completed in accordance with INDOT Standard Specification 201.
2. Unless otherwise indicated on the plans, all areas covered by vegetation and debris including trees, grass, shrubs, brush, or other plant material shall be scalped and disposed of offsite in accordance with INDOT Standard Specification 201.04 and as recommended in the geotechnical report dated October 11, 2022 by Intertek PSI.
3. All building structures and appurtenances shall be demolished and disposed of including the welcome center building, storage building, picnic shelters, sewer treatment plant, and other related structures.
4. All concrete pavement and structures shall be removed and disposed of offsite including roads, sidewalks, curbs, drainage structures, vaults, dump station, dumpster pad, and any other concrete items.
5. Unless indicated on the plans to remain, all underground drainage pipes, water lines, sanitary sewers, and other utility lines and conduits that interfere with new construction shall be removed and disposed of.
6. All signs within existing rest area to be removed unless otherwise noted on signing plans.
7. All light poles within the existing rest area are to be removed.

LEGEND

-  PAVEMENT REMOVAL
-  SIDEWALK REMOVAL
-  BUILDING REMOVAL
-  TREE REMOVAL
-  SHRUB & GRASS REMOVAL
-  WATER PLANT REMOVAL
-  UTILITY REMOVAL
-  EXISTING CONTOUR
-  SOIL BORING
SEE GEOTECHNICAL ENGINEERING STUDY FOR FURTHER EXPLANATION.

SEC. 34 T12N, R10W
SUGAR CREEK TOWNSHIP
VIGO COUNTY



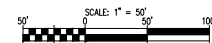
MATCHLINE SEE SHEET 'D101'

DAVID A. I. &
SALLY DEBNEY


MICHELLE K. WAGLE


MARK & JAMIE
EVERSOLE


JONATHANE &
VICTORIA DAWN
WAGNER



DATE PLOTTED: 11/15/2023 10:58:11 AM
DRAWN BY: J. WAGNER
CHECKED BY: M. WAGNER
PROJECT: CLEAR CREEK WELCOME CENTER
SHEET: D100 OF 100
SCALE: 1" = 50'





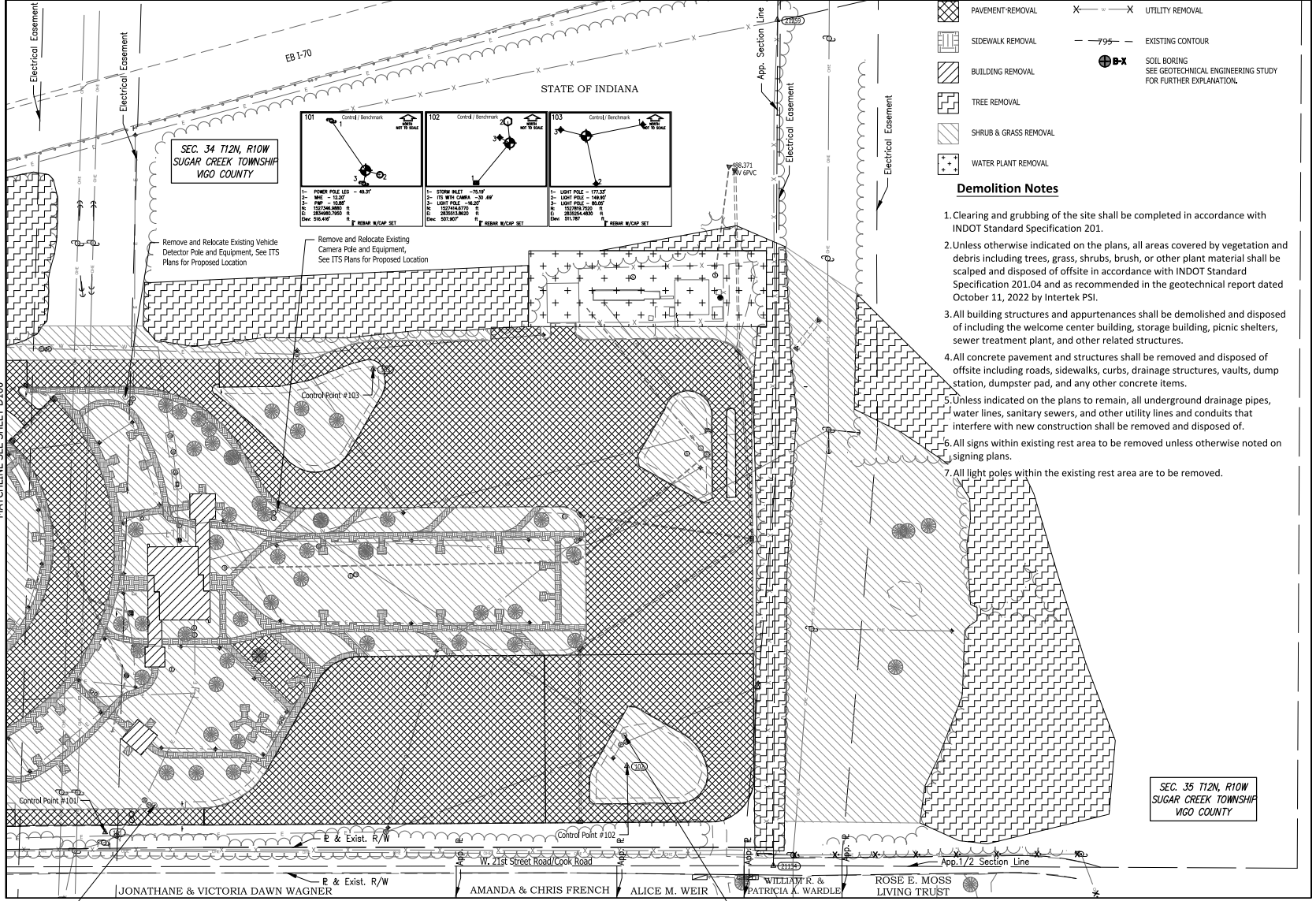


 PUBLIC WORKS PROJECT NO. 84003001-22-058-C1
 CLEAR CREEK WELCOME CENTER
 VIGO COUNTY, INDIANA

STATE OF INDIANA
 DEPARTMENT OF ADMINISTRATION
PUBLIC WORKS DIVISION
 ROOM 300 - INDIANA ADMINISTRATION CENTER SOUTH
 INDIANAPOLIS, INDIANA 46204
 317-232-2800

Project Number:	84003001-22-058-C1
Revision Number:	
Revision:	ENG M M M M M Y Y Y Y
Drawn By:	TEC
Scale:	1"=50'
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	D100
Sheet:	of TBD

Project No. 84003001-22-058-C1
 Date: 10/11/2022
 Scale: 1" = 50'
 Drawing No. 1364
 Drawing Title: DEMOLITION PLANS
 Drawing Date: 10/11/2022
 Drawing Author: J. WARDLE
 Drawing Checker: J. WARDLE
 Drawing Approver: J. WARDLE
 Drawing Date: 10/11/2022



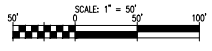
LEGEND

- | | | | |
|--|-----------------------|--|---|
| | PAVEMENT REMOVAL | | UTILITY REMOVAL |
| | SIDEWALK REMOVAL | | EXISTING CONTOUR |
| | BUILDING REMOVAL | | SOIL BORING
SEE GEOTECHNICAL ENGINEERING STUDY
FOR FURTHER EXPLANATION. |
| | TREE REMOVAL | | |
| | SHRUB & GRASS REMOVAL | | |
| | WATER PLANT REMOVAL | | |

Demolition Notes

1. Clearing and grubbing of the site shall be completed in accordance with INDOT Standard Specification 201.
2. Unless otherwise indicated on the plans, all areas covered by vegetation and debris including trees, grass, shrubs, brush, or other plant material shall be scalped and disposed of offsite in accordance with INDOT Standard Specification 201.04 and as recommended in the geotechnical report dated October 11, 2022 by Intertek PSI.
3. All building structures and appurtenances shall be demolished and disposed of including the welcome center building, storage building, picnic shelters, sewer treatment plant, and other related structures.
4. All concrete pavement and structures shall be removed and disposed of offsite including roads, sidewalks, curbs, drainage structures, vaults, dump station, dumpster pad, and any other concrete items.
5. Unless indicated on the plans to remain, all underground drainage pipes, water lines, sanitary sewers, and other utility lines and conduits that interfere with new construction shall be removed and disposed of.
6. All signs within existing rest area to be removed unless otherwise noted on signing plans.
7. All light poles within the existing rest area are to be removed.

SEC. 35 T12N, R10W
SUGAR CREEK TOWNSHIP
VIGO COUNTY



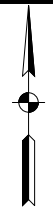
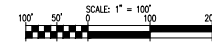
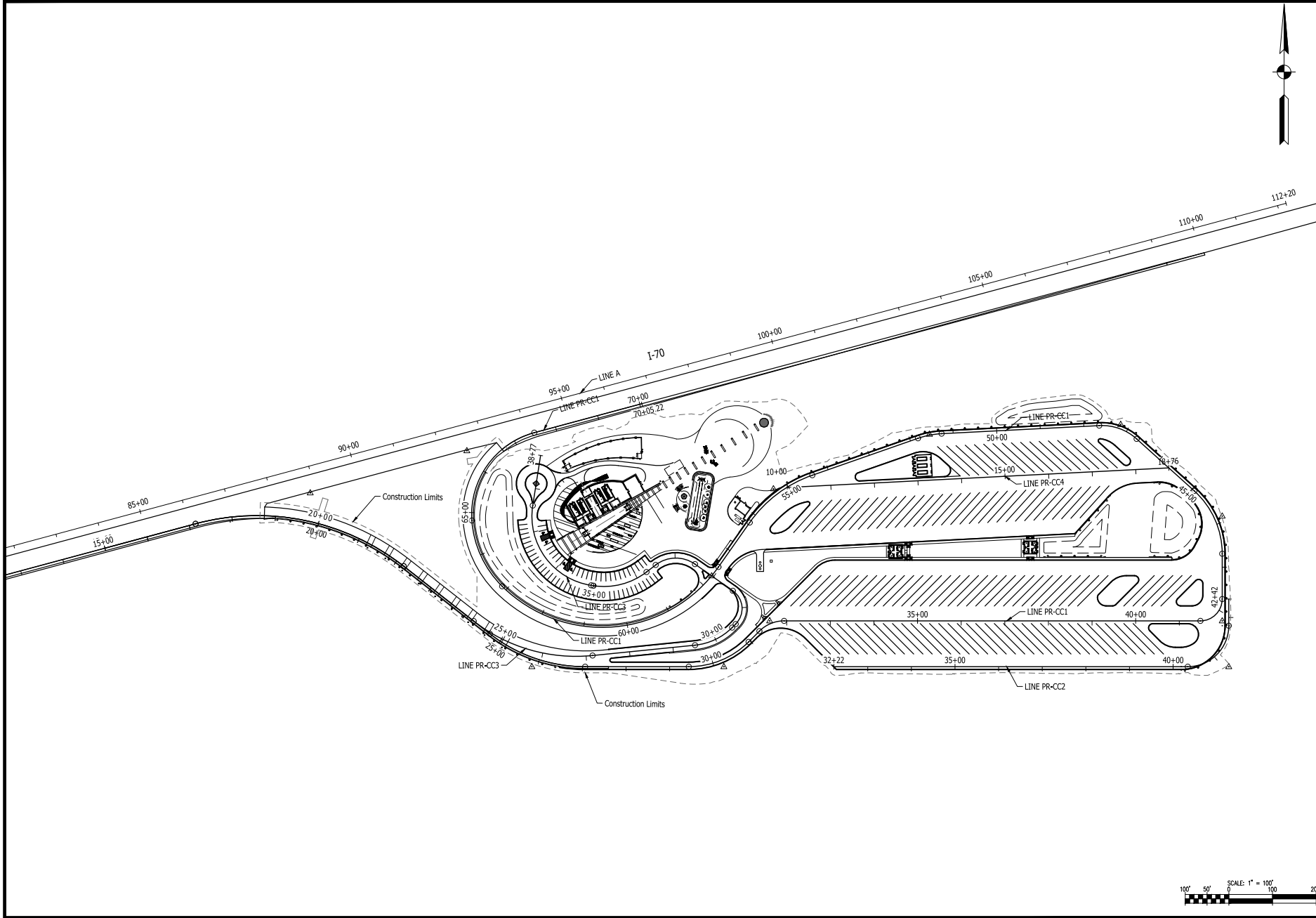
Certified by Robert Gray

 JANSSEN & SPANS ENGINEERING
 800 Marquette Park Court
 Clear Creek, Indiana 46002
 Phone: 765-462-2300
 Fax: 765-462-2309
 www.jse-engineering.com

 LANDSCAPE ARCHITECTURE
 20 W. Monroe Street, Suite 500
 Clear Creek, Indiana 46002
 Phone: 765-462-2309
 www.synthesisinc.com
 PUBLIC WORKS PROJECT NO. 84003001-22-058-C1
 CLEAR CREEK WELCOME CENTER
 VIGO COUNTY, INDIANA

 STATE OF INDIANA
 DEPARTMENT OF ADMINISTRATION
PUBLIC WORKS DIVISION
 ROOM 300 - INDIANA GOVERNMENT CENTER SOUTH
 INDIANAPOLIS, INDIANA 46204
 317-232-3600
 Project No.:
 Project Name:
 84003001-22-058-C1
 Proposition Number:
 Account Number:
 Drawing No.:
 ENG M M M M Y Y Y Y
 TEC
 Scale: 1" = 50'
 Date: 10/11/2022
 Drawing Title:
 DEMOLITION PLANS
 Drawing Date:
 10/11/2022
 Drawing Author:
 J. WARDLE
 Drawing Checker:
 J. WARDLE
 Drawing Approver:
 J. WARDLE
 Drawing Date:
 10/11/2022
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 1364
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 DEMOLITION PLANS
 Drawing Date:
 10/11/2022
 Drawing Author:
 J. WARDLE
 Drawing Checker:
 J. WARDLE
 Drawing Approver:
 J. WARDLE
 Drawing Date:
 10/11/2022

Project: 84003001-22-058-C1
 Drawing: B-42
 Date: 11/15/2022
 Author: J. [Name]
 Checker: [Name]
 Title: [Title]

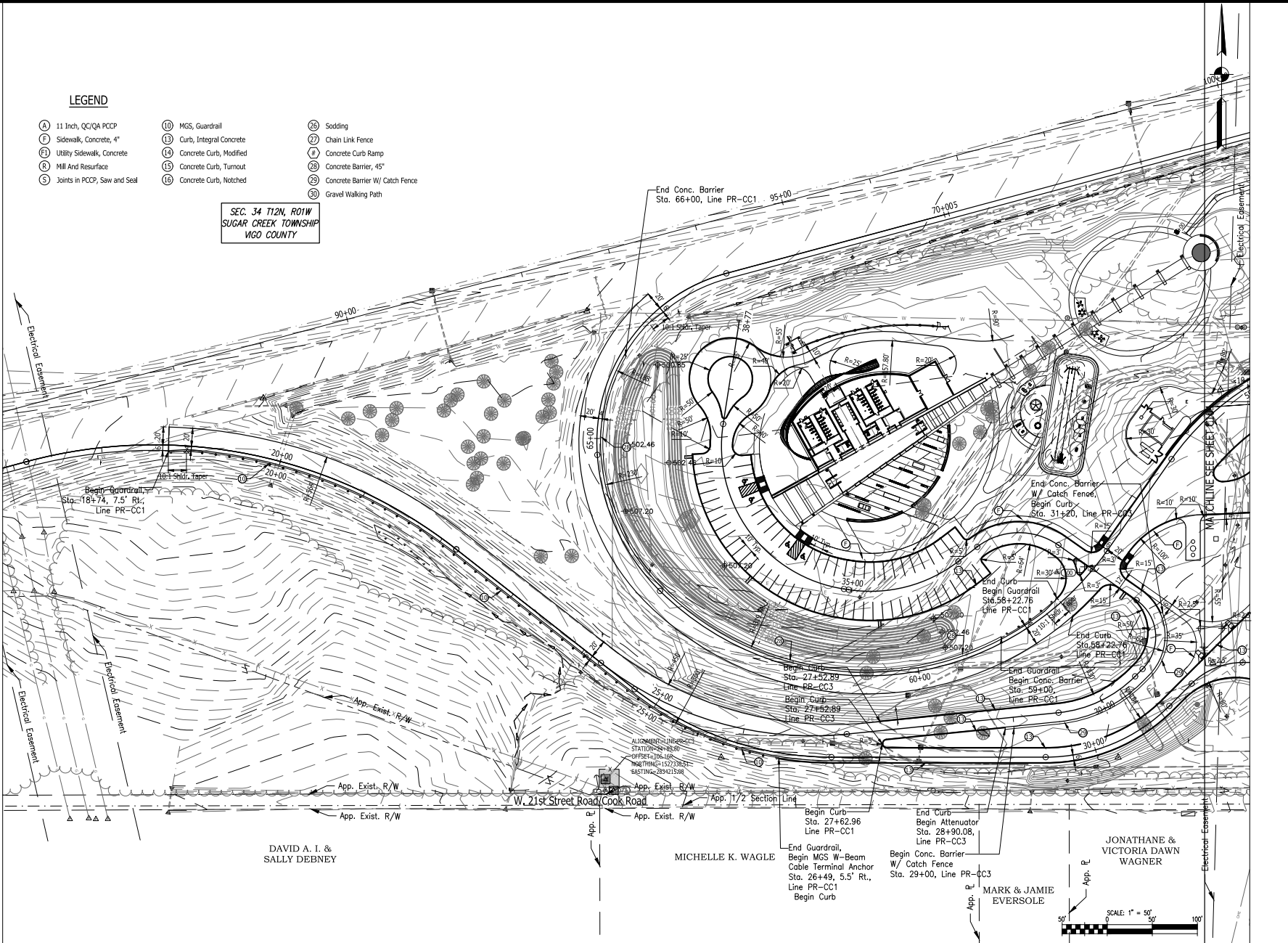


Certified by: Robert Gray JOE JANSSEN & SPANNS ENGINEERING 800 Northway Park Blvd Columbus, Indiana 47324 Phone: 317.462.2100 Fax: 317.462.2109 www.joejanssen.com	
 RATIO LANDSCAPE ARCHITECTURE 20 W Monroe Street, Suite 500 Chicago, IL 60601 T: 312.462.2109 www.ratioland.com	
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1 CLEAR CREEK WELCOME CENTER VIGO COUNTY, INDIANA	
 STATE OF INDIANA DEPARTMENT OF ADMINISTRATION PUBLIC WORKS DIVISION ROOM 300, INDIANA ADMINISTRATION CENTER SOUTH INDIANAPOLIS, INDIANA 46204 317.223.2600	
Revision:	Project Number: 84003001-22-058-C1 Revision Number:
Author: ENG	Checked: M M M M M Y Y Y Y
Designer: TEC	Drawing Scale: 1" = 100'
INSP Approval:	User Approval:
Reference Number: 1364	Building Reference:
Drawing Number:	Sheet: C100 of TBD

LEGEND

- | | | |
|----------------------------------|------------------------------|--------------------------------------|
| (A) 11 Inch, QC/QA PCCP | (10) MGS, Guardrail | (26) Sodding |
| (F) Sidewalk, Concrete, 4" | (13) Curb, Integral Concrete | (27) Chain Link Fence |
| (H) Utility Sidewalk, Concrete | (14) Concrete Curb, Modified | (7) Concrete Curb Ramp |
| (R) Mill And Resurface | (15) Concrete Curb, Turnout | (28) Concrete Barrier, 45" |
| (S) Joints in PCCP, Saw and Seal | (16) Concrete Curb, Notched | (29) Concrete Barrier W/ Catch Fence |
| | | (30) Gravel Walking Path |

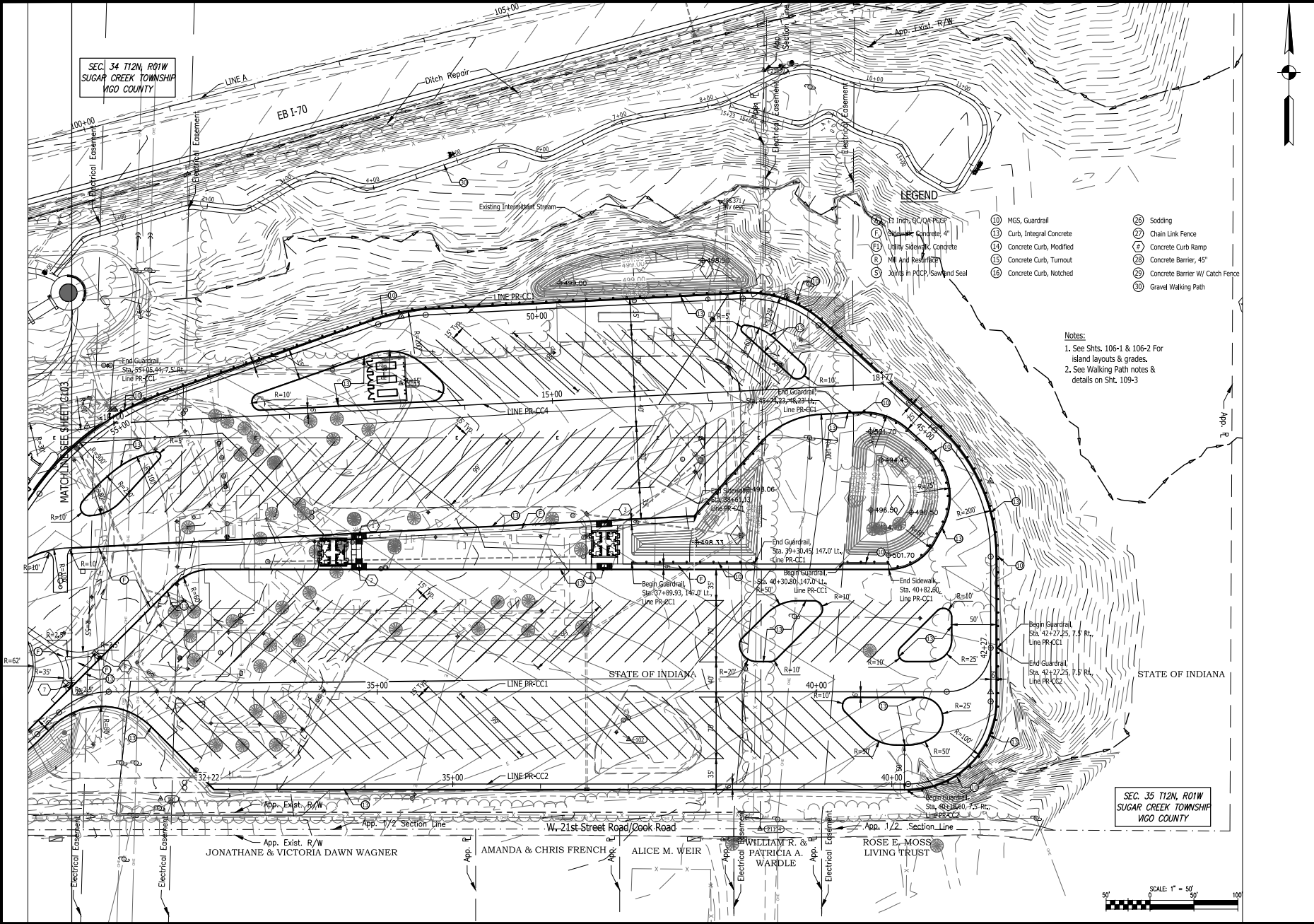
SEC. 34 T12N, R01W
SUGAR CREEK TOWNSHIP
VIGO COUNTY



Project: 84003001-22-058-C1
 Date: 12/22/2022
 Time: 10:00 AM
 User: J. Eversole
 Plot: 1 of 1
 Scale: 1" = 50'
 Title: C-103

Certified by Robert Gray LANDSCAPE ARCHITECTURE 30 W Monroe Street, Suite 500 Chicago, IL 60601 T 312-466-2389 www.ratiolandscape.com
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1 CLEAR CREEK WELCOME CENTER VIGO COUNTY, INDIANA
 STATE OF INDIANA DEPARTMENT OF ADMINISTRATION PUBLIC WORKS DIVISION ROOM 300 HOUSTON ADMINISTRATION CENTER SOUTH INDIANAPOLIS, INDIANA 46204 317-232-2600
Project Number: 84003001-22-058-C1 Revision Number: Revision Description: Date: ENG M/M/M/YYYY Designer: TEC Checker: JME Appr: JME Scale: 1"=50' Drawing Number: 1364 Drawing Title: Drawing Number: C-103 Sheet: 1 of 1

SEC. 34 T12N, R01W
SUGAR CREEK TOWNSHIP
VIGO COUNTY

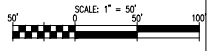


LEGEND

- (1) 11 Inch, OC, OA-PCP
- (2) 12 Inch, Integral Concrete
- (3) 12 Inch, Sidelink, Concrete
- (4) MW and Reservoir
- (5) Joints in PCP/Asphalt Seal
- (6) MGS, Guardrail
- (7) Chain Link Fence
- (8) Concrete Curb Ramp
- (9) Concrete Barrier, 45"
- (10) Concrete Barrier W/ Catch Fence
- (11) Sodding
- (12) Concrete Curb, Modified
- (13) Concrete Curb, Turnout
- (14) Concrete Curb, Notched
- (15) Gravel Walking Path

Notes:
1. See Shts. 106-1 & 106-2 For island layouts & grades.
2. See Walking Path notes & details on Sht. 109-3

SEC. 35 T12N, R01W
SUGAR CREEK TOWNSHIP
VIGO COUNTY



Project No. 84003001-22-058-C1
 Date: 10/11/22
 Scale: 1" = 50'
 Drawing No.: 1364
 Drawing Title: C104

Verified by: Robert Gray

JOE
JANSSEN & SPANNS ENGINEERING
1800 Harding Road, Clarksville, TN 37040
731.246.2300
www.joesengineering.com

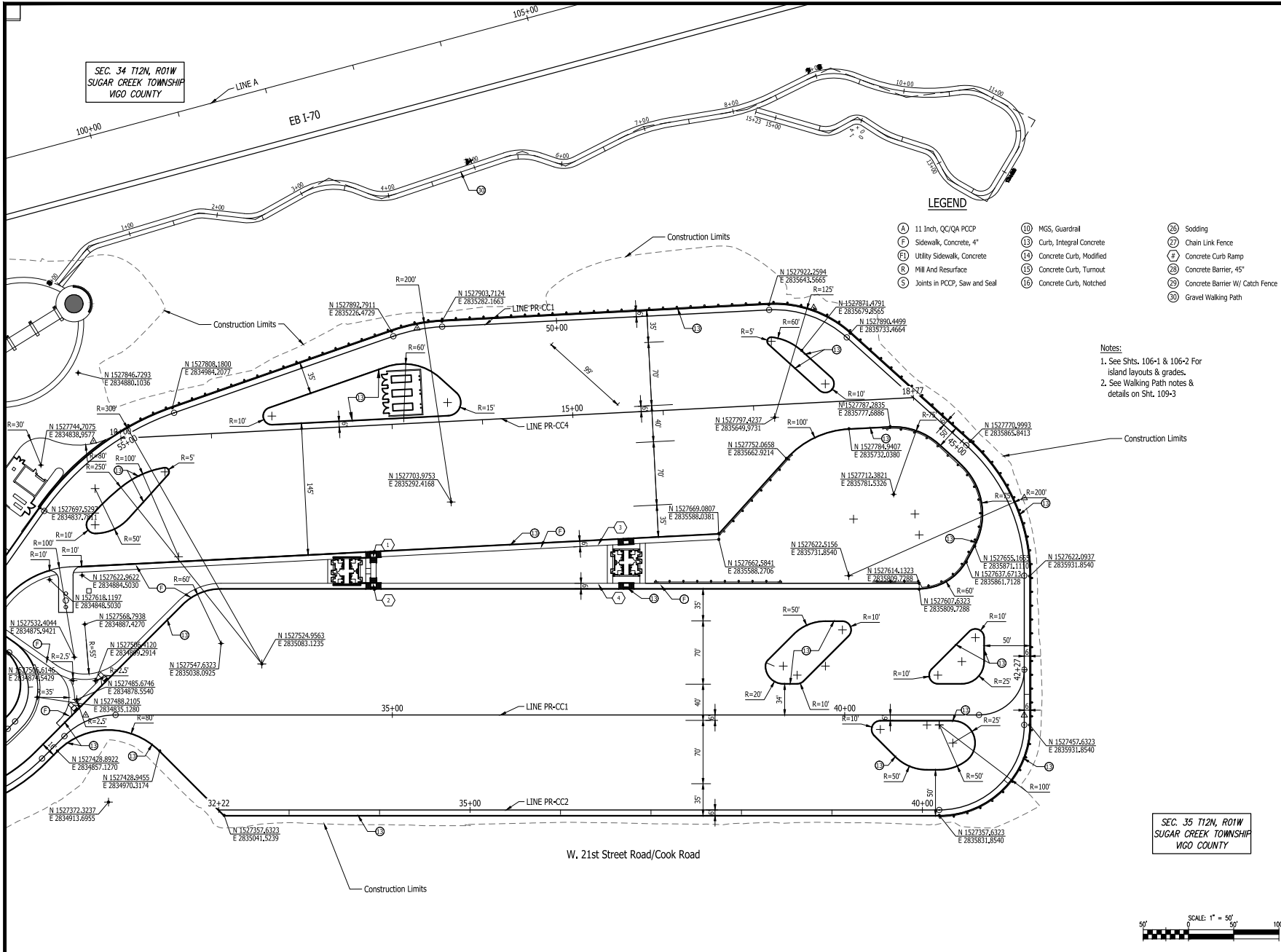
synthesis
RATIO
LANDSCAPE ARCHITECTURE
10 W. Monroe Street, Suite 500
Clarksville, TN 37040
731.246.2300
www.synthesisratio.com

PUBLIC WORKS PROJECT NO. 84003001-22-058-C1
CLEAR CREEK WELCOME CENTER
VIGO COUNTY, INDIANA

STATE OF INDIANA
DEPARTMENT OF ADMINISTRATION
PUBLIC WORKS DIVISION
ROOM 300, 100 W. WASHINGTON CENTER SOUTH
INDIANAPOLIS, INDIANA 46204
317.232.3600

Project No.: 84003001-22-058-C1
Revision Number:
Drawing No.: ENG MUMMM YYYY
Drawing Title: TEC
Scale: 1"=50'
Date: 10/11/22
Drawing Author:
Drawing Checker:
Drawing Date: 10/11/22
Drawing Title: C104
Sheet: 1 of 1

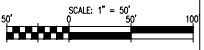
SEC. 34 T12N, R01W
SUGAR CREEK TOWNSHIP
VIGO COUNTY



LEGEND

- (A) 11 Inch, QC/QA PCPP
- (F) Sidewalk, Concrete, 4"
- (U) Utility Sidewalk, Concrete
- (R) Mill And Resurface
- (S) Joints in PCPP, Saw and Seal
- (10) MGS, Guardrail
- (13) Curb, Integral Concrete
- (14) Concrete Curb, Modified
- (15) Concrete Curb, Turnout
- (16) Concrete Curb, Notched
- (26) Sodding
- (27) Chain Link Fence
- (4) Concrete Curb Ramp
- (28) Concrete Barrier, 45"
- (29) Concrete Barrier W/ Catch Fence
- (30) Gravel Walking Path

Notes:
1. See Shts. 106-1 & 106-2 For island layouts & grades.
2. See Walking Path notes & details on Sht. 109-3



SEC. 35 T12N, R01W
SUGAR CREEK TOWNSHIP
VIGO COUNTY

W. 21st Street Road/Cook Road

Verified by: Robert Gray



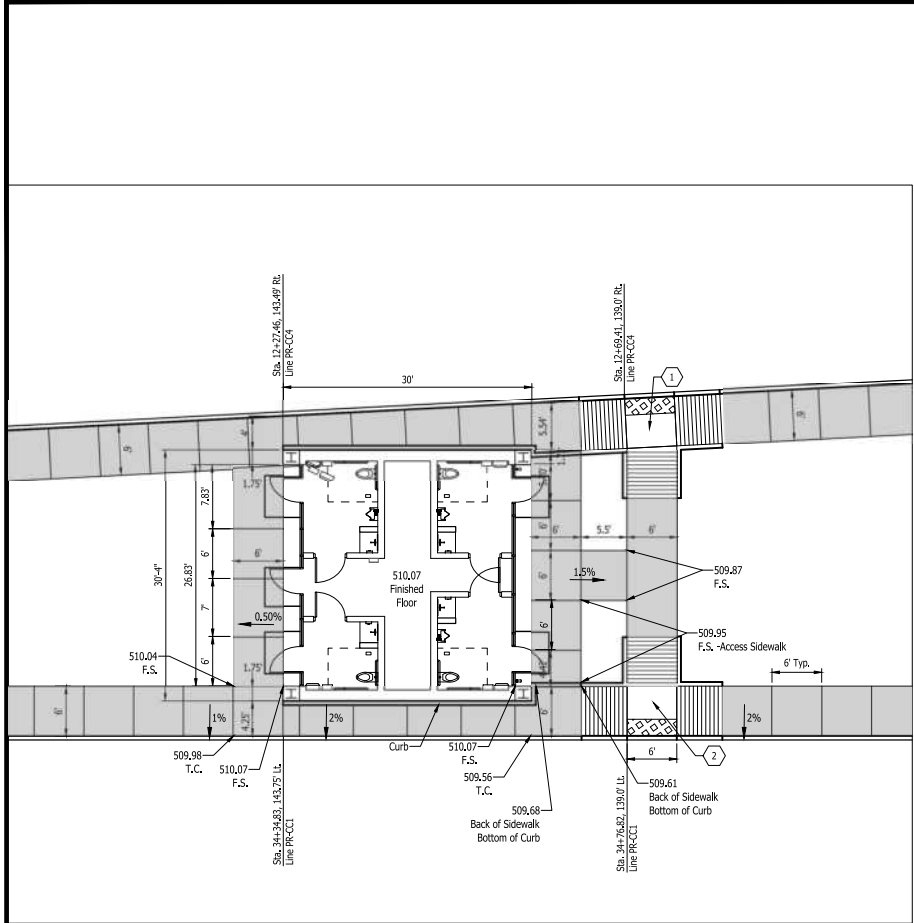
PUBLIC WORKS PROJECT NO. 84003001-22-058-C1
CLEAR CREEK WELCOME CENTER
VIGO COUNTY, INDIANA



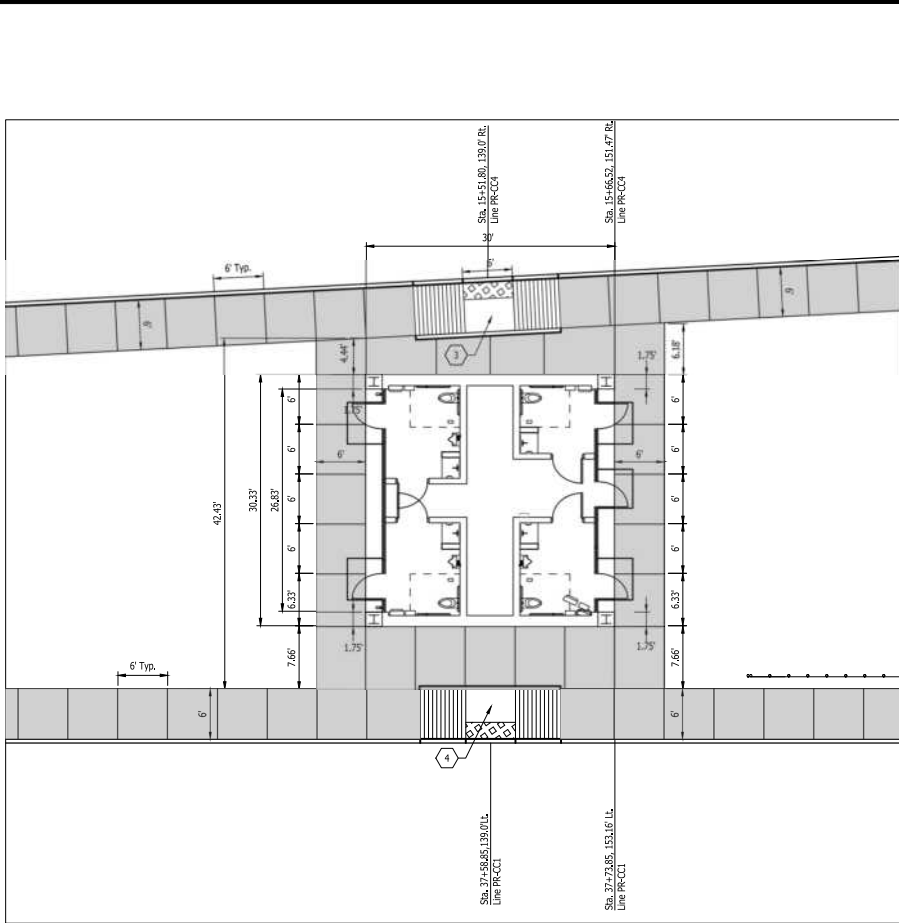
Revisions:

Project Number:	84003001-22-058-C1
Revision Number:	
Revision:	
Checked by:	ENG M M M M M Y Y Y Y
Drawn by:	TEC
Scale:	1"=50'
Client Approval:	
Revision Number:	1364
Sheet Number:	C105
Total Sheets:	of TBD

Project No. 84003001-22-058-C1
 Date: 08/22/2022
 Project Name: WELCOME CENTER TRUCKER RESTROOM NO. 1 CURB RAMP DETAIL
 Project Location: WELCOME CENTER TRUCKER RESTROOM NO. 1 CURB RAMP DETAIL
 Project Description: WELCOME CENTER TRUCKER RESTROOM NO. 1 CURB RAMP DETAIL
 Project Status: 08/22/2022



WELCOME CENTER TRUCKER RESTROOM NO. 1 CURB RAMP DETAIL
SCALE : NONE






WELCOME CENTER TRUCKER RESTROOM NO. 2 CURB RAMP DETAIL
SCALE : NONE

Concrete Walkways & Ramps

LEGEND


- | | | |
|----------------------------------|------------------------------|--------------------------------------|
| (A) 11 Inch, QCI/QA PCCP | (10) MGS, Guardrail | (26) Sodding |
| (F) Sidewalk, Concrete, 4" | (13) Curb, Integral Concrete | (27) Chain Link Fence |
| (E) Utility Sidewalk, Concrete | (14) Concrete Curb, Modified | (8) Concrete Curb Ramp |
| (B) Mill And Resurface | (15) Concrete Curb, Turnout | (28) Concrete Barrier, 45" |
| (S) Joints in PCCP, Saw and Seal | (16) Concrete Curb, Notched | (29) Concrete Barrier W/ Catch Fence |
| | | (30) Gravel Walking Path |

Certified by: Robert Gray

LANDSCAPE ARCHITECTURE
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PUBLIC WORKS PROJECT NO. 84003001-22-058-C1
 CLEAR CREEK WELCOME CENTER
 VIGO COUNTY, INDIANA



STATE OF INDIANA
 DEPARTMENT OF ADMINISTRATION
PUBLIC WORKS DIVISION
 ROOM 300 INDIANA ADMINISTRATION CENTER SOUTH
 INDIANAPOLIS, INDIANA 46204
 317-232-3000

Project Name:	84003001-22-058-C1
Registration Number:	
Account Number:	
Project:	ENGINEERING
Division:	TEC
Contracting Office:	174507
ICMA Approval:	
Client Approval:	
Reference Number:	1364
Building Reference:	
Drawing Number:	C106
Sheet:	of TBD