

## CATEGORICAL EXCLUSION LEVEL 1 FORM

### GENERAL PROJECT INFORMATION

<b>Road No./County:</b>	US 36 & Maple Street/Hancock County
<b>Designation Number(s):</b>	1702935, 1901985, 1700803
<b>Project Description/Termini:</b>	A roadway reconstruction and pedestrian improvement along US 36 from Garden Street to SR 13 and an intersection improvement along Garden Street at US 36 from High Street to 215 feet north US 36.

**CE Level 1 documentation for exempted projects**

**Additional Information to CE Level 1**

**Approval:**

\_\_\_\_\_  
INDOT DE/ESD Signature and Date

**Release for Public Involvement:**

TD

1/24/2022

\_\_\_\_\_  
INDOT DE/ESD Initials and Date

**Certification of Public involvement:**

\_\_\_\_\_  
INDOT Consultant Services Signature and Date

**INDOT DE/ESD Reviewer:**

\_\_\_\_\_  
Signature and Date

**CE Preparer:**

Chris Kunkel/Lochmueller Group  
\_\_\_\_\_  
Name and Organization

**Indiana Department of Transportation**

County Hancock

Route US 36 (Broadway Street)

Des. No. 1702935, 1901985, & 1700803

<b>GENERAL PROJECT INFORMATION, DESCRIPTION, AND DESIGN INFORMATION</b>	
<p><b>Purpose and Need:</b></p>	<p><b>Need:</b>                      The need for the project stems from the deteriorated condition of the roadway, signal failure at the intersection with Maple Street, and lack of pedestrian connectivity along this Section of US 36 between the existing path just east of Garden Street and the existing sidewalk on SR 13. According to the Mini Scope for US 36 (July 2015) (Appendix I, I2 to I3), the pavement is deteriorating with multiple transverse and longitudinal cracks. Minor rutting and striping were also prevalent along with numerous cracks and voids in the driving surface. At the intersection with Maple Street, US 36 is a 4-lane facility with left turn lanes while Maple Street is a 2-lane facility with no turn lanes (Mini Scope, November 2014 (Appendix I, I4 to I5)). The left turn movements from Maple Street onto US 36 significantly reduce the capacity of the Maple Street approaches causing signal cycle failure and extended queue lengths of 800-1000 ft. The project area also lacks sufficient pedestrian connectivity along US 36 with missing sidewalks between Garden Street and SR 13. This area was identified in the Hancock County Trail Plan (November 2018) as a planned community trail.</p> <p><b>Purpose:</b>                      The purpose of this project is to correct the deteriorating condition of the roadway while maintaining the functional condition of the roadway, reduce the queue length at the intersection with Maple Street, and enhance pedestrian connectivity along US 36 between the existing path at Garden Street and existing sidewalk at SR 13 in accordance with the Hancock County Trails Plan.</p>
<p><b>Project Description (Preferred Alternative):</b></p>	<p><b>Location</b>                      The proposed project is located within the Town of Fortville, Indiana. Des. Nos. 1700803 and 1901985 are located along US 36, beginning at Garden Street and ending at SR 13. The Des. No. 1702935 project extends along Maple Street from High Street to 215 feet north of US 36 . Specifically, the project is located in Sections 9, 10, and 16, Township 17 North, Range 6 East in Vernon Township as depicted on the Ingalls, Indiana U.S. Geological Survey (USGS) 7.5-minute scale quadrangle. Adjacent land use consists mainly of commercial and residential areas.</p> <p><b>Existing Conditions</b>                      US 36, also known as Broadway Street in Fortville, is functionally classified as a minor arterial within the project area. The typical cross-section of US 36 consists of four 11-foot wide through travel lanes (two in each direction) with intermittent 4-foot-wide sidewalks along either side of the roadway. At the intersection with Maple Street, the roadway profile of US 36 widens and 11-foot wide dedicated left-turn lanes are present in each direction. The existing speed limit along US 36 is 40 miles per hour.</p>

**Indiana Department of Transportation**

County Hancock

Route US 36 (Broadway Street)

Des. No. 1702935, 1901985, & 1700803

<p>Maple Street is functionally classified as a major collector within the project area. The typical cross-section of Maple Street consists of two 10-foot wide asphalt through travel lanes (one in each direction) with an 8-foot wide parking lane along the southbound lane, south of the intersection. There are also 4-foot wide sidewalks along both sides of the roadway.</p> <p>Both Broadway Street and Maple Street contain drainage inlets that carry water southwest to Jackson Ditch. The storm sewer is comprised of clay pipe and has been in service for over 20 years.</p> <p><b>Preferred Alternative</b></p> <p>The preferred alternative involves the reconstruction of US 36 (Des. No. 1700803), the construction of a new multi-use path along the north side of US 36 (Des. No. 1901985) and adding dedicated left-turn lanes along both directions of Maple Street at the intersection with US 36 (Des. No. 1702935).</p> <p>As part of the roadway reconstruction, the existing roadway surface will be removed the full depth. After which, approximately 4 inches of compacted aggregate will be placed on new subgrade treatment. Then, approximately 13 inches of hot mix asphalt (HMA) will be applied to the compacted aggregate (Appendix B, B17 to B23). The grade of the roadway will be a maximum of one foot lower than the existing grade. The project will reduce the number of through travel lanes in the project area from four to two. The proposed cross-section will include two 11-foot wide through travel lanes (one in each direction) and a 12-foot wide center two-way left turn lane. In conjunction with the roadway reconstruction, a new 10-foot to 13-foot wide concrete paved multi-use path will be constructed along the northwest side of the roadway. Additionally, there will be a 6-foot wide concrete sidewalk along the southeast side of the roadway (Appendix B, B15). The path will have new downward facing permanent lighting and other trail amenities along its length. The project also includes new Americans with Disability Act (ADA) compliant curb ramps constructed at Merrill, Maple, Main, Oak, Poplar, Elm, and Walnut Streets.</p> <p>The project will also install new curb and gutter along the entire length of the project area along US 36 (Appendix B, B24 to B30). There will also be drainage improvements. A new stormwater drainage trunk line with lateral lines that will connect with inlets along the new curb lines along US 36 and along Maple Street. The new trunk line will tie into existing stormwater lines at Garden Street and Maple Street. The stormwater line along Maple Street will be improved with new curb and gutter and will tie into the new trunk line along US 36.</p> <p>The intersection improvement portion of the project will involve the addition of a dedicated left-turn lane at both the northbound and southbound approaches of Maple Street at the intersection with US 36 (Appendix B, B51). This will require widening Maple Street within the project area. The new typical cross-section of Maple Street will be two, 10-foot wide travel lanes (one in each direction) and one, 10-foot wide dedicated left-turn lane. Adjacent to the church</p>
---

US 36 Roadway Project – Preventative  
Maintenance, Pedestrian, and Intersection  
Improvements

December 30, 2021

This is page 3 of 16

Project name:

Date:

**Indiana Department of Transportation**

County Hancock

Route US 36 (Broadway Street)

Des. No. 1702935, 1901985, & 1700803

	<p>at the southwest corner of the intersection is an 8-foot wide parking lane that will be retained for church parking. There will also be 6-foot concrete sidewalks along both sides of Maple Street. The construction of new ADA curb ramps at the northeast and southeast corner of Maple Street and High Street is also included in this project (Appendix B, B49). The existing signal and equipment will also be replaced. The length of the intersection improvement along Maple Street is approximately 620 feet (0.12 mile).</p> <p>The maintenance of traffic (MOT) plan will require the closure of Maple Street to thru traffic. A detour utilizing W 1000 N, N 50/N 750 W, W 1050 S, SR 13 and Michigan Street will be established during construction (Appendix B, B45). Access to all surrounding properties will be maintained during construction. Signage and barricades notifying motorists of the closure and the detour will be in place. Construction along US 36 will occur in phases to keep one lane in each direction open (Appendix B, B31 to B40). The temporary closures of sidewalks in the project area will also occur. Sidewalk construction will occur on one side of the street at a time and pedestrian traffic will be directed to the opposite side of the street to avoid the sidewalk that is under construction. Barricades, barrels, and signage will be placed along US 36 to inform motorists of the sidewalk and lane closures. The MOT will be implemented per the current <i>Indiana Design Manual</i> guidelines.</p> <p>The termini represent the logical limits required to improve the intersection of US 36 and Maple Street, improve the non-motorized transportation facilities, and reconstruct the deteriorated section of US 36 roadway. This project will be completed independent of any other project and is able to be constructed without relying on the completion of any other project.</p> <p>By reconstructing the roadway along this stretch of US 36, the deterioration of the roadway will be addressed, and the functional condition of the roadway will be maintained. By constructing the new multi-use path and new ADA ramps, the lack of available non-motorized transportation facility in this section of US 36 and at adjoining roadways will be addressed. Finally, by adding dedicated left-turn lanes on Maple Street, the queue length will be reduced.</p>
<p><b>Other Alternatives Considered:</b></p>	<p><b>Do Nothing Alternative:</b> This alternative would involve no improvements to US 36 or the intersection of US 36 and Maple Street. While this alternative would eliminate costs and any environmental impacts, it would not have met the objectives of the purpose and need of the project which is to correct the deteriorating condition of the roadway, reduce the queue length at the intersection with Maple Street, and enhance pedestrian connectivity along US 36.</p>
<p><b>Funding Source(s):</b></p>	<p><input checked="" type="checkbox"/> Federal    <input checked="" type="checkbox"/> State    <input checked="" type="checkbox"/> Local    <input type="checkbox"/> Other</p>
<p><b>Project Sponsor:</b></p>	<p>INDOT Greenfield District</p>

US 36 Roadway Project – Preventative  
Maintenance, Pedestrian, and Intersection  
Improvements

December 30, 2021

This is page 4 of 16    Project name: \_\_\_\_\_    Date: \_\_\_\_\_

**Indiana Department of Transportation**

County Hancock Route US 36 (Broadway Street) Des. No. 1702935, 1901985, & 1700803

<b>Estimated Cost:</b>	1700803: \$5,527,817 1901985: \$2,500,000 1702935: \$308,000	<b>Project Length:</b>	1700803/1901985: 3,700 feet 1702935: 615 feet
<b>Public Involvement:</b>			No: <input type="checkbox"/> Yes: <input checked="" type="checkbox"/>
<p>Notice of Entry letters were mailed to potentially affected property owners near the project area for Des. No. 1702935 on August 19, 2020, 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, page G1. Notice of Entry letters were not sent to property owners near the project area for Des. No. 1700803 and 1901985, which includes the roadway reconstruction and pedestrian improvements, because no survey activities took place outside of existing right-of-way (ROW) and all project construction will take place within existing ROW.</p> <p>The project will meet the minimum requirements by the current <i>Indiana Department of Transportation (INDOT) Public Involvement Manual</i> that require formal public involvement. 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.</p>			
<b>Right-of-Way:</b>			No: <input type="checkbox"/> Yes: <input checked="" type="checkbox"/>
<p>Existing ROW along US 36 extends from 40 to 45 feet north of the centerline of US 36 and from 30 to 40 feet south of the centerline. The land use of the existing ROW mainly consists of existing roadway but some maintained lawn and pedestrian sidewalk exists as well. Existing ROW along Maple Street extends from 37 to 39 feet west of the centerline and 34 to 36 feet east of the centerline. The land use of the existing ROW mainly consists of existing roadway and pedestrian sidewalk.</p> <p>The project will require the acquisition of approximately 0.09 acre of permanent ROW from the southeast and northeast corners of the intersection of US 36 and Maple Street. Additionally, 0.04 acre of temporary ROW will be required along the west side of Maple Street south and north of US 36 for grading activities.</p> <p>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.</p>			
<b>Maintenance of Traffic (MOT) During Construction:</b>			No: <input type="checkbox"/> Yes: <input checked="" type="checkbox"/>
<p>The MOT for this project will involve phased construction to allow for both directions of traffic along US 36 to remain open during construction. One lane of traffic in each direction will be open throughout construction. Phase 1 will involve construction along the westbound lane, shifting westbound traffic to the interior eastbound lane. Phase 2 will involve construction of the center lane and westbound traffic will shift to the newly constructed westbound lane. Phase 3 will involve construction along the eastbound lane with eastbound traffic shifting to the newly constructed center lane. Barricades and signage will be in place to notify motorists of the lane restrictions and configuration during construction (Appendix B, B31 to B40). Construction at the intersection of US 36 and Maple Street will involve the closure of Maple Street to thru traffic. An official detour will be established that will utilize Michigan Street, SR 13, CR 1050 South, CR 750 West/CR 50 West, and CR 1000 North (Appendix B, B45). The detour will be approximately 6.07 miles in length for a total added travel length of 6.7 miles. Access to all adjacent properties will be maintained throughout construction. The MOT will be implemented per the <i>Indiana Design Manual</i> guidelines.</p>			

This is page 5 of 16 Project name: US 36 Roadway Project – Preventative Maintenance, Pedestrian, and Intersection Improvements Date: December 30, 2021

**Indiana Department of Transportation**

County Hancock Route US 36 (Broadway Street) Des. No. 1702935, 1901985, & 1700803

<b>Bridge(s) and/or Small Structure(s) (include structure number(s)):</b>	No: X	Yes:
No bridges or small structures are located within the project area.		

**IDENTIFICATION AND EVALUATION OF IMPACTS**

**Early Coordination:**

Early coordination letters were sent on January 13, 2021 (Appendix C, C1 to C5) and re-coordination letters were sent on July 23, 2021 (Appendix C, C9 to C13).

<b>Agency</b>	<b>Date Sent</b>	<b>Date Response Received</b>	<b>Appendix</b>
Natural Resources Conservation Service (NRCS)	January 13 & July 23, 2021	January 14 & August 2, 2021	Appendix C, C6 & C23
US Army Corps of Engineers (USACE) – Louisville District	January 13 & July 23, 2021	No Response Received	N/A
US Housing and Urban Development	January 13 & July 23, 2021	No Response Received	N/A
National Park Service	January 13 & July 23, 2021	No Response Received	N/A
Federal Highway Administration – Indiana Division	January 13 & July 23, 2021	No Response Received	N/A
Indiana Department of Natural Resources – Division of Fish and Wildlife (IDNR DFW)	January 13 & July 23, 2021	February 5 & August 20, 2021	Appendix C, C8 and C42 to C43
Indiana Department of Environmental Management (IDEM)	January 13 & July 23, 2021	July 29, 2021	Appendix C, C15 to C20
Indiana Department of Transportation (INDOT) – Environmental Services Division (ESD)	January 13 & July 23, 2021	No Response Received	N/A
INDOT – Greenfield District	January 13 & July 23, 2021	No Response Received	N/A
INDOT – Utilities and Railroads	January 13 & July 23, 2021	No Response Received	N/A
Indiana Geological Survey	January 13 & July 23, 2021	July 29, 2021	Appendix C, C21 to C22
Hancock County Board of Commissioners	January 13 & July 23, 2021	No Response Received	N/A
Hancock County Council	January 13 & July 23, 2021	No Response Received	N/A
Hancock County Highway Department	January 13 & July 23, 2021	No Response Received	N/A
Hancock County Drainage Board	January 13 & July 23, 2021	No Response Received	N/A
Hancock County Surveyor's Office	January 13 & July 23, 2021	January 28 & July 27, 2021	Appendix C, C7 and C14

US 36 Roadway Project – Preventative  
Maintenance, Pedestrian, and Intersection  
Improvements

December 30, 2021

This is page 6 of 16 Project name: \_\_\_\_\_ Date: \_\_\_\_\_

**Indiana Department of Transportation**

County Hancock Route US 36 (Broadway Street) Des. No. 1702935, 1901985, & 1700803

Hancock County Emergency Management Agency	January 13 & July 23, 2021	No Response Received	N/A
Hancock County E-911 Center	January 13 & July 23, 2021	No Response Received	N/A
Hancock County Sheriff's Department	January 13 & July 23, 2021	No Response Received	N/A
Vernon Township Trustee	January 13 & July 23, 2021	No Response Received	N/A
Vernon Township Fire Department	January 13 & July 23, 2021	No Response Received	N/A
Fortville Police Department	January 13 & July 23, 2021	No Response Received	N/A
Fortville Town Council	January 13 & July 23, 2021	No Response Received	N/A
Mt. Vernon Community School Corporation	January 13 & July 23, 2021	No Response Received	N/A
Madison County Council of Governments	January 13 & July 23, 2021	No Response Received	N/A
Fortville MS4 Coordinator	January 13 & July 23, 2021	No Response Received	N/A
Grace Baptist Church	July 23, 2021	No Response Received	N/A
Fortville Water Works	August 25, 2021	September 17, 2021	Appendix C, C45
Citizens Energy – Indianapolis	August 25, 2021	August 26, 2021	Appendix C, C44

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

**Streams, Rivers, and Other Jurisdictional Features Impacted:** No:  Yes:

Based on the desktop review, the aerial map of the project area (Appendix B, B3 and B4), and the Red Flag Investigation (RFI) reports (Appendix E, E1 to E25) there are eight mapped streams, rivers, watercourse or other jurisdictional features within the 0.5 mile search radius. No streams were identified within or adjacent to the project area during the site visits on July 19, 2019 and January 14, 2021 by Lochmueller Group. There are no streams, rivers, watercourses, or other jurisdictional features present within or adjacent to the project area. Therefore, no impacts are expected.

**Open Water Feature(s):** No:  Yes:

Based on the desktop review, the aerial map of the project area (Appendix B, B3 and B4), and the RFI reports (Appendix E, E1 to E25) there are three mapped open water features within the 0.5 mile search radius. No open water features were identified within or adjacent to the project area during the site visits on July 19, 2019 and January 14, 2021 by Lochmueller Group. There are no open water features present within or adjacent to the project area. Therefore, no impacts are expected.

**Indiana Department of Transportation**

County Hancock Route US 36 (Broadway Street) Des. No. 1702935, 1901985, & 1700803

<b>Wetlands:</b>	No: <input checked="" type="checkbox"/>	Yes: <input type="checkbox"/>
<p>Based on the desktop review, the aerial map of the project area (Appendix B, B3 and B4), and the RFI reports (Appendix E, E1 to E25) there are seven mapped wetlands within the 0.5 mile search radius. No wetlands were identified within or adjacent to the project area during the site visits on July 19, 2019 and January 14, 2021 by Lochmueller Group. There are no wetlands present within or adjacent to the project area. Therefore, no impacts are expected.</p>		
<b>Terrestrial Habitat:</b>	No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/>
<p>Based on a desktop review, site visits on July 19, 2019 and January 14, 2021 by Lochmueller Group, the aerial map of the project area (Appendix B, B3 and B4), there is maintained herbaceous roadside and ornamental forested habitat. The majority of the vegetation is a mix of roadside grasses with ornamental trees such as Bradford pear (<i>Pyrus calleryana</i>) and crabapple (<i>Malus sp.</i>). Overall, the project will impact approximately 0.41 acre of terrestrial habitat. This includes approximately 0.2 acre of tree clearing for six pear trees along Maple Street to accommodate the new width of the roadway and four crabapple trees along US 36 for the construction of the new multi-use path. In the IPaC Coordination (Appendix C, C30 to C41), the tree clearing acreage was listed at 0.90 acre. The number of trees to be cleared has not changed but the true acreage of tree clearing is 0.2 acre. This is because the trees to be cleared are smaller than the USFWS guideline of 0.09 acre per tree. No mitigation for terrestrial habitat impacts will likely be required.</p> <p>All efforts to avoid, minimize and mitigate impacts to terrestrial impacts will be made.</p> <p>The IDNR DFW responded to early coordination on February 5, 2021 (Appendix C, C8) and to re-coordination on August 20, 2021 (Appendix C, C42 to C43). The IDNR DFW had recommendations that involve revegetating bare and disturbed areas, minimizing brush and tree clearing to be within the project limits, time of year limits on tree clearing, implementing appropriately designed measures for controlling erosion, and tree clearing mitigation guidelines.</p> <p>An automated letter was generated from the IDEM website on July 29, 2021 (Appendix C, C15 to C20). Applicable recommendations from the Proposed Roadway Letter include coordinating with the appropriate permitting agencies.</p> <p>All applicable recommendations are included in the Environmental Commitments section of this CE document.</p>		
<b>Protected Species:</b>	No: <input type="checkbox"/>	Yes: <input checked="" type="checkbox"/>
<p>Based on a desktop review and the RFI reports (Appendix E, E1 to E25), completed by Lochmueller Group on August 1, 2019 and May 17, 2021, the IDNR Hancock County Endangered, Threatened and Rare (ETR) Species List has been checked. According to the IDNR DFW early coordination response letters dated February 5 and August 20, 2021 (Appendix C, C8 and C42 to C43), the Natural Heritage Program's Database has been checked and to date, no plant or animal species listed as state or federally threatened, endangered, or rare have been reported to occur in the project vicinity.</p> <p>Project information was submitted through the USFWS's Information for Planning and Consultation (IPaC) portal, and an official species list was generated (Appendix C, C24 to C29). The project is within range of the federally endangered Indiana bat (<i>Myotis sodalis</i>) and the federally threatened northern long-eared</p>		





**Indiana Department of Transportation**

County Hancock Route US 36 (Broadway Street) Des. No. 1702935, 1901985, & 1700803

<ol style="list-style-type: none"> <li>1. Replacement, repair, or installation of curbs, curb ramps, or sidewalks associated with roadway in previously disturbed soils that does not occur adjacent to or within a National Register-listed or eligible or individual above-ground resource.</li> <li>2. Installation of new lighting, signals, signage, and other traffic control devices in previously disturbed soils that does not occur adjacent to or within a National Register-listed or eligible or individual above-ground resource.</li> <li>3. Construction of added travel, turning, or auxiliary lanes and shoulder widening in previously disturbed soils that does not occur adjacent to or within a National Register-listed or eligible or individual above-ground resource.</li> <li>8. Construction of pedestrian facilities including trails, multi-use paths, greenways, and associated minor activities within areas previously disturbed by vertical and horizontal construction activities, including existing roadway, sidewalk, or rail bed, and is not on, within or adjacent to a National Register listed or eligible site.</li> <li>9. Installation, replacement, repair, lining, or extension of culverts and other drainage structures in previously disturbed soils that does not occur adjacent to or within a National Register-listed or eligible or individual above-ground resource and the structure(s) exhibit no wood, stone, or brick structures or parts therein.</li> </ol> <p>Because the project takes place within previously disturbed soils, it was determined that a full archaeological investigation was not necessary. A review of archaeological records found no documented archaeological sites located within or adjacent to the survey area. No further consultation is required.</p> <p>This completes the Section 106 process and the responsibilities of the FHWA under Section 106 have been fulfilled</p>			
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 70%;"><b>Section 4(f) and Section 6(f) Resources:</b></td> <td style="width: 15%; text-align: center;">No: X</td> <td style="width: 15%; text-align: center;">Yes:</td> </tr> </table>	<b>Section 4(f) and Section 6(f) Resources:</b>	No: X	Yes:
<b>Section 4(f) and Section 6(f) Resources:</b>	No: X	Yes:	
<p><b>Section 4(f)</b>                  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 NRHP eligible or listed historic properties regardless of ownership. Lands subject to this law are considered Section 4(f) resources.</p> <p>Based on a desktop review, the aerial map of the project area (Appendix B, B3 and B4), and the RFI reports (Appendix E, E1 to E25) there are 7 potential 4(f) resources located within the 0.5 mile search radius. According to additional research and by the site visits on July 19, 2019, and January 14, 2021 by Lochmueller Group, there are no Section 4(f) resources within or adjacent to the project area. Therefore, no use is expected.</p> <p><b>Section 6(f)</b>                  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.</p>			

**Indiana Department of Transportation**

County Hancock Route US 36 (Broadway Street) Des. No. 1702935, 1901985, & 1700803

A review of 6(f) properties on the INDOT ESD website revealed a total of five properties in Hancock County (Appendix I, I1). None of these properties are located within or adjacent to the project area. Therefore, there will be no impacts to 6(f) resources.

<b>Air Quality:</b>	No: <input checked="" type="checkbox"/>	Yes: <input type="checkbox"/>
---------------------	---	-------------------------------

**STIP/TIP**  
Des. No. 1700803, 1901985, and 1702935 are included in the Fiscal Year (FY) 2020-2023 Madison County Council of Governments (MCCOG) Transportation Improvement Program (TIP) and only Des. No. 1700803 and 1702935 are included in the FY 2020-2024 Statewide Transportation Improvement Program (STIP) (Appendix H, H1 to H6). Des. No. 1901985 is not included in the 2020-2024 STIP but will be added with amendment 20-61 per the email from the INDOT Project Manager on December 30, 2021 (Appendix H, H7).

**Attainment Status**  
This project is located in Hancock County, which is currently a maintenance area for the 1997 8-hour Ozone standard according to the EPA Green Book (<https://www.epa.gov/green-book>). This standard was revoked in 2015 but is being evaluated for conformity due to the February 16, 2018, South Coast Air Quality Management District v. Environmental Protection Agency, Et. Al. Decision. The project's design concept and scope are accurately reflected in both the MCCOG Transportation Plan (TP) and the TIP and both conform to the State Implementation Plan (SIP). Therefore, the conformity requirements of 40 CFR 93 have been met.

**MSAT**  
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.

<b>Community Impacts:</b>	No: <input type="checkbox"/>	Yes: <input type="checkbox"/>
---------------------------	------------------------------	-------------------------------

**Environmental Justice (EJ)**  
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. This project will have no relocations and will require less than 0.5 acre of additional permanent right-of-way; therefore, an EJ analysis is not required per the current INDOT Categorical Exclusion Manual.

The project will ultimately be beneficial to local business and properties due to improvements of deteriorating roadway conditions, improved traffic flow along the corridor, and it will not substantially change access to properties within the area. Overall, the negative impacts to property owners and local businesses within the project area will be minimal and will consist primarily of short-term construction impacts. No relocations are expected. Property owners will be provided access throughout the duration of the project to reduce impacts as much as possible. The project is not anticipated to result in substantial impacts to community cohesion, because it will not change access to properties within the area. The proposed project is not expected to impact the surrounding community or cause economic impacts to the surrounding area. Therefore, this project will have minimal or no negative impacts to the community or local economy.

According to the Indiana Festivals website ([www.indianafestivals.org](http://www.indianafestivals.org)) accessed on December 3, 2021 by Lochmueller Group there are no fairs and festivals scheduled within 10 miles of the project.

**Indiana Department of Transportation**

County Hancock Route US 36 (Broadway Street) Des. No. 1702935, 1901985, & 1700803

<b>Public Facilities and Services (e.g. schools, emergency services):</b>			No: X	Yes:
<p>Based on a desktop review, the aerial map of the project area (Appendix B, B3 and B4), and the RFI reports (Appendix E, E1 to E25), there are 6 religious facilities, 3 recreational facilities, 4 trails, and 2 railroads located within the 0.5 mile search radius of the project. There is one church, Grace Baptist Church, adjacent to the project area at the southwest corner of US 36 and Maple Street. The only concern was the street parking along the west side of Maple Street that was used by the church. This street parking will be retained once construction is complete. . Therefore, no impacts are expected. Access to all properties will be maintained during construction.</p> <p>Coordination with Grace Baptist Church, the Hancock County Emergency Management Agency, Hancock County E-911 Center, Hancock County Sheriff’s Department, Vernon Township Fire Department, Fortville Police Department, and Mt. Vernon Community School Corporation occurred on January 13, 2021 (Appendix C, C1 to C5) and again on July 23, 2021 (Appendix C, C9 to C13). No response was received from any of these organizations and agencies.</p> <p>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.</p>				
<b>Hazardous Materials and Regulated Substances:</b>			No:	Yes: X
<p>Based on a review of GIS and available public records, RFIs were completed and concurrence provided by INDOT SAM on August 1, 2019 for Des. No. 1700803 and 1901985 (Appendix E, E1 to E15) and on May 18, 2021 for Des. No. 1702935 (Appendix E, E16 to E25). Four State Cleanup Sites, eleven Underground Storage Tank (UST) Sites, seven Leaking UST (LUST) Sites, three Institutional Control sites, four National Pollutant Discharge Elimination System (NPDES) facilities, and twelve NPDES Pipe Locations are located within 0.5 mile of the project area. Three UST sites, five LUST sites, and one institutional control site are located in or adjacent to the project area.</p> <p>UST Sites:</p> <ul style="list-style-type: none"> <li>• Summers Ford Dealership (AI 34183) is located at 625 Broadway Street. According to IDEM VFC, one (1) tank was permanently closed in-place at some point between 1976 and 1979. This site has potential for lead contamination in the soil and/or groundwater. If construction excavation occurs adjacent to this property, a Phase II Environmental Assessment should occur.</li> <li>• Robert Smith (AI 33641) is located at 100 W. Broadway Street. According to IDEM VFC, there were four (4) tanks that were closed and removed in 1989. This site has potential for lead contamination in the soil and/or groundwater. If construction excavation occurs adjacent to this property, a Phase II Environmental Assessment should occur.</li> <li>• Hucks Food Store 298 (AI 34020) is located at 322 E. Broadway Street. According to records on IDEM VFC, there are two (2) active gasoline USTs. Violations were noted in a 2018 inspection. There is no record on whether these violations were corrected. If construction excavation occurs adjacent to this property, a Phase II Environmental Assessment should occur.</li> </ul> <p>LUST Sites:</p> <ul style="list-style-type: none"> <li>• Ratliff Auto Sales (AI 35472) is located at 217 W. Broadway Street on the northwest side of US 36. According to records on IDEM VFC a suspected release was reported in 1989. There is no additional information. It is likely that petroleum contamination and/or lead contamination is</li> </ul>				

**Indiana Department of Transportation**

County Hancock Route US 36 (Broadway Street) Des. No. 1702935, 1901985, & 1700803

present within the soil and/or groundwater. If excavation is to occur in this area, a Phase II Environmental Assessment should occur.

- Hughes Fortville Shell (AI 30886), which is located at 110 E Broadway Street, was formerly the site of a gas station. According to records on IDEM VFC, the four USTs that existed on the site were closed in May 2018. During closure activities, contaminants of concern (COCs) were identified in the soil and groundwater. Further sampling information from, June 2019, showed that petroleum groundwater contamination from the site appears to have migrated underneath US 36. In addition to petroleum contamination, it is likely that lead would be in the soil/groundwater. If excavation occurs in this area, it is likely that petroleum contamination will be encountered. Before proper removal and disposal of soil and/or groundwater, analysis for lead will be necessary.
- Taylors Marathon Service (AI 34351) is located at 203 W. Broadway Street. According to IDEM VFC, seven (7) USTs were removed from the site. Minimal Total Petroleum Hydrocarbons (TPHs) were identified in the soil; however, no additional testing was conducted. No other records about the closure of the LUST site were available. It is likely that, in addition to the petroleum contamination, lead contamination exists on the site. If construction excavation occurs adjacent to this property, a Phase II Environmental Assessment should occur.
- Milk Barn (aka Speedway 8042) (AI 33246) is located at 335 Broadway Street. This is an active gas station with five (5) USTs and is also an institutional control site. According to the records available on IDEM VFC, a release of petroleum occurred. After remediation activities, a NFA determination was issued by IDEM in 2013. As contamination remains on-site and extends beneath US 36, an Environmental Restrictive Covenant (ERC) has been recorded on the property. If excavation occurs in this area, petroleum contamination will likely be encountered. Proper handling, removal, and disposal of soil and/or groundwater may be necessary. Coordination will be conducted with IDEM before further site activities occur.
- Fortville Hardware Inc (AI #: 32099) is located at 135 E Broadway St. The UST was removed from the site in December of 1993 and soil samples taken at the time did not indicate any contamination above closure guidance. The IDEM issued a No Further Action Approval Determination Pursuant to 1994 UST Branch Guidance Manual letter, dated on February 21, 2020. No impact is expected.

Due to the amount of time that had passed since the RFI for Des. No. 1700803 was completed, subsequent review of the RFI data was undertaken by Lochmueller Group on August 10, 2021. There were no additional hazardous material concern sites nor any additional information discovered for previously identified sites within or adjacent to the project area.

<b>Permits:</b>	No: X	Yes:
A Rule 5 permit will likely be required due to a ground disturbance in excess of 1.0 acre.		
It is the responsibility of the project sponsor to identify and obtain all required permits.		

**ENVIRONMENTAL COMMITMENTS:**

**Firm:**

This is page 14 of 16 Project name: US 36 Roadway Project – Preventative Maintenance, Pedestrian, and Intersection Improvements Date: December 30, 2021

**Indiana Department of Transportation**

County Hancock Route US 36 (Broadway Street) Des. No. 1702935, 1901985, & 1700803

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 Greenfield 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 ESD)
4. General AMM1: 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)
5. Tree Removal AMM1: Modify all phases of the project (e.g., temporary work areas, alignments) to avoid tree removal. (USFWS)
6. Tree Removal AMM2: Apply time of year restrictions (October 1 to March 31) 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 10 feet of existing road/rail surface **outside of documented** roosting/foraging habitat or travel corridors; visual emergence survey must be conducted with no bats observed. (USFWS & IDNR DFW)
7. Tree Removal AMM3: 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)
8. Tree Removal AMM4: 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)
9. Lighting AMM1: Direct temporary lighting away from suitable habitat during the active season. (USFWS)
10. Lighting AMM 2: When installing new or replacing existing permanent lights, use downward-facing, full cut-off lens lights (with same intensity or less for replacement lighting); or for those transportation agencies using the BUG system developed by the Illuminating Engineering Society, be as close to 0 for all tree ratings with a priority of "uplight" of 0 and "backlight" as low as practicable." (USFWS)
11. Summers Ford Dealership (AI 34183) is located at 625 Broadway Street. According to IDEM VFC, one (1) tank was permanently closed in-place at some point between 1976 and 1979. This site has potential for lead contamination in the soil and/or groundwater. If construction excavation occurs adjacent to this property, a Phase II Environmental Assessment should occur. (INDOT SAM)
12. Robert Smith (AI 33641) is located at 100 W. Broadway Street. According to IDEM VFC, there were four (4) tanks that were closed and removed in 1989. This site has potential for lead contamination in the soil and/or groundwater. If construction excavation occurs adjacent to this property, a Phase II Environmental Assessment should occur. (INDOT SAM)
13. Hucks Food Store 298 (AI 34020) is located at 322 E. Broadway Street. According to records on IDEM VFC, there are two (2) active gasoline USTs. Violations were noted in a 2018 inspection. There is no record on whether these violations were corrected. If construction excavation occurs adjacent to this property, a Phase II Environmental Assessment should occur. (INDOT SAM)
14. Ratliff Auto Sales (AI 35472) is located at 217 W. Broadway Street on the northwest side of US 36 (icon mapped incorrectly). According to records on IDEM VFC a suspected release was reported in 1989. There is no additional information. It is likely that petroleum contamination

US 36 Roadway Project – Preventative  
Maintenance, Pedestrian, and Intersection  
Improvements

December 30, 2021

This is page 15 of 16 Project name: \_\_\_\_\_ Date: \_\_\_\_\_



**Appendix A: INDOT Supporting Documentation**

Threshold Chart.....A1

**Appendix B: Graphics**

General Location Map..... B1  
 USGS Quadrangle Map – Ingalls Quadrangle ..... B2  
 Aerial Map (2017) ..... B3  
 Aerial/Photo Location Map (2017) ..... B4  
 Site Photographs..... B5-B13  
 Preliminary Plan Sheets (Des. No. 1700803 & 1901985) ..... B14-B40  
 Preliminary Plan Sheets (Des. No. 1702935)..... B41-B51

**Appendix C: Early Coordination**

Sample Early Coordination Letter (January 13, 2021)..... C1-C5  
 Natural Resources Conservation Service  
 Response Letter (January 14, 2021)..... C6  
 Hancock County Surveyor  
 Response Letter (January 28, 2021)..... C7  
 Indiana Department of Natural Resources (IDNR), Division of Fish and Wildlife  
 Response Letter (February 5, 2021)..... C8  
 Sample Re-Coordination Letter (July 23, 2021) ..... C9-C13  
 Hancock County Surveyor  
 Response Letter (July 27, 2021)..... C14  
 Indiana Department of Environmental Management  
 Electronic Response (July 29, 2021)..... C15-C20  
 Indiana Geological and Water Survey  
 Electronic Response (July 29, 2021)..... C21-C22  
 Natural Resources Conservation Service  
 Response Letter (August 2, 2021)..... C23  
 United States Fish and Wildlife Service  
 IPaC Official Species List (December 30, 2021) ..... C24-C29  
 IPaC Concurrence Verification Letter (September 3, 2021) ..... C30-C41  
 IDNR, Division of Fish and Wildlife  
 Response Letter (August 20, 2021)..... C42-C43  
 Citizens Energy Group – Indianapolis  
 Response Email (August 26, 2021)..... C44  
 Fortville Water Works  
 Response Email (September 17, 2021) ..... C45

**Appendix D: Section 106 of the National Historic Preservation Act (NHPA)**

Minor Project Programmatic Agreement Determination Form.....D1-D10

**Appendix E: Red Flag Investigation**

Red Flag Investigation (Des. No. 1700803)..... E1-E15  
 Red Flag Investigation (Des. No. 1702935)..... E16-E25

**Appendix F: Water Resources**

USFWS, National Wetlands Inventory Map ..... F1  
 IDNR, Floodplain map..... F2

**Appendix G: Public Involvement**

Notice of Survey (August 19, 2020).....G1

**Appendix H: Air Quality**

Relevant pages from INDOT FY 2020-2024 STIP ..... H1-H2  
 Relevant pages from Madison County Council of Governments FY 2020-2023 TIP ..... H3-H6

INDOT email detailing inclusion of Des. 1901985 in STIP by amendment .....H7

**Appendix I: Other Information**

Land and Water Conservation Fund Grants: Hancock County, Indiana ..... I1  
Des. No. 1700803 & 1901985 Mini-Scope .....I2-I3  
Des. No. 1702935 Mini-Scope .....I4-I5

**Categorical Exclusion**  
**Appendix A**  
**INDOT Supporting Documentation**

## Categorical Exclusion Level Thresholds

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

<sup>1</sup> Coordinate with INDOT Environmental Services Division. INDOT will then coordinate with the appropriate FHWA Environmental Specialist.

<sup>2</sup> Any involvement with a bridge processed under the Historic Bridge Programmatic Agreement.

<sup>3</sup> Total permanent impacts to streams (linear feet) and wetlands (acres).

<sup>4</sup> US Army Corps of Engineers Individual 404 Permit

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

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

<sup>7</sup> 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.

<sup>8</sup> Potential for causing a disproportionately high and adverse impact.

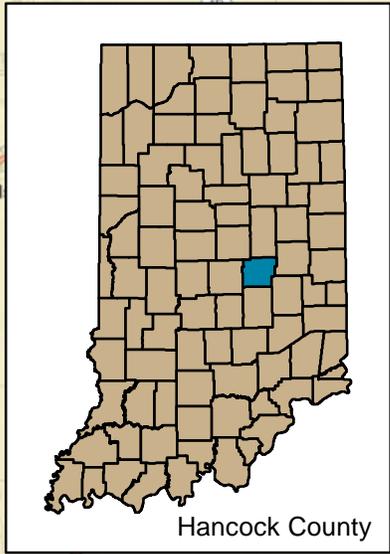
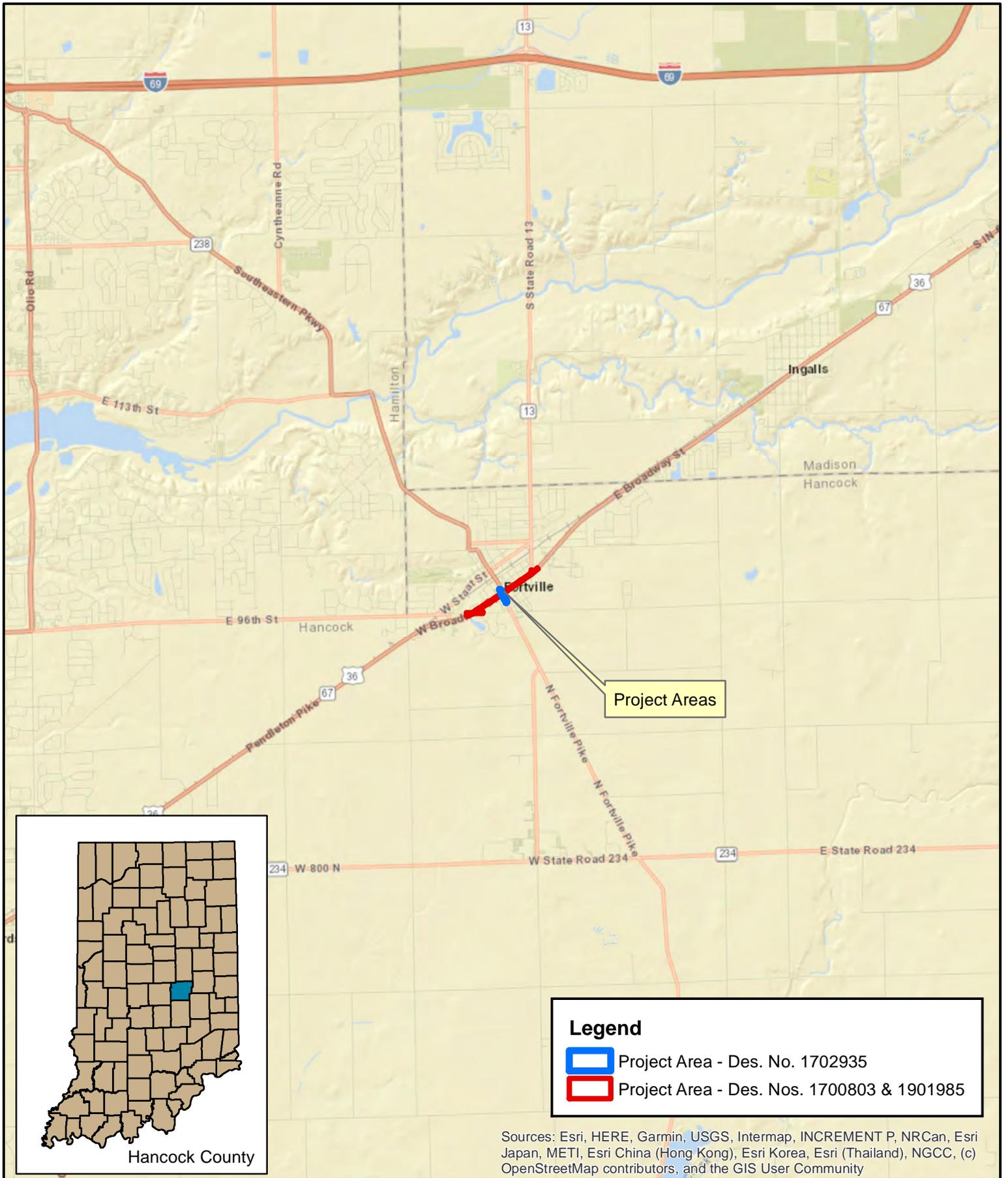
<sup>9</sup> Section 4(f) use resulting in an Individual, Programmatic, or *de minimis* evaluation. The only exception is a *de minimis* evaluation for historic properties (Effective January 2, 2020). If a historic property *de minimis* and no other use, mark the *None* column.

<sup>10</sup> 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.

**Categorical Exclusion**  
**Appendix B**  
**Graphics**



**Legend**

- Project Area - Des. No. 1702935
- Project Area - Des. Nos. 1700803 & 1901985

Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

**LOCHMUELLER GROUP**

3502 Woodview Trace, Suite 150  
 Indianapolis, IN 46268  
 Phone: (317) 222-3880  
 Fax: (317) 222-3881

**General Location Map**

Des. Nos. 1700803, 1901985, & 1702835

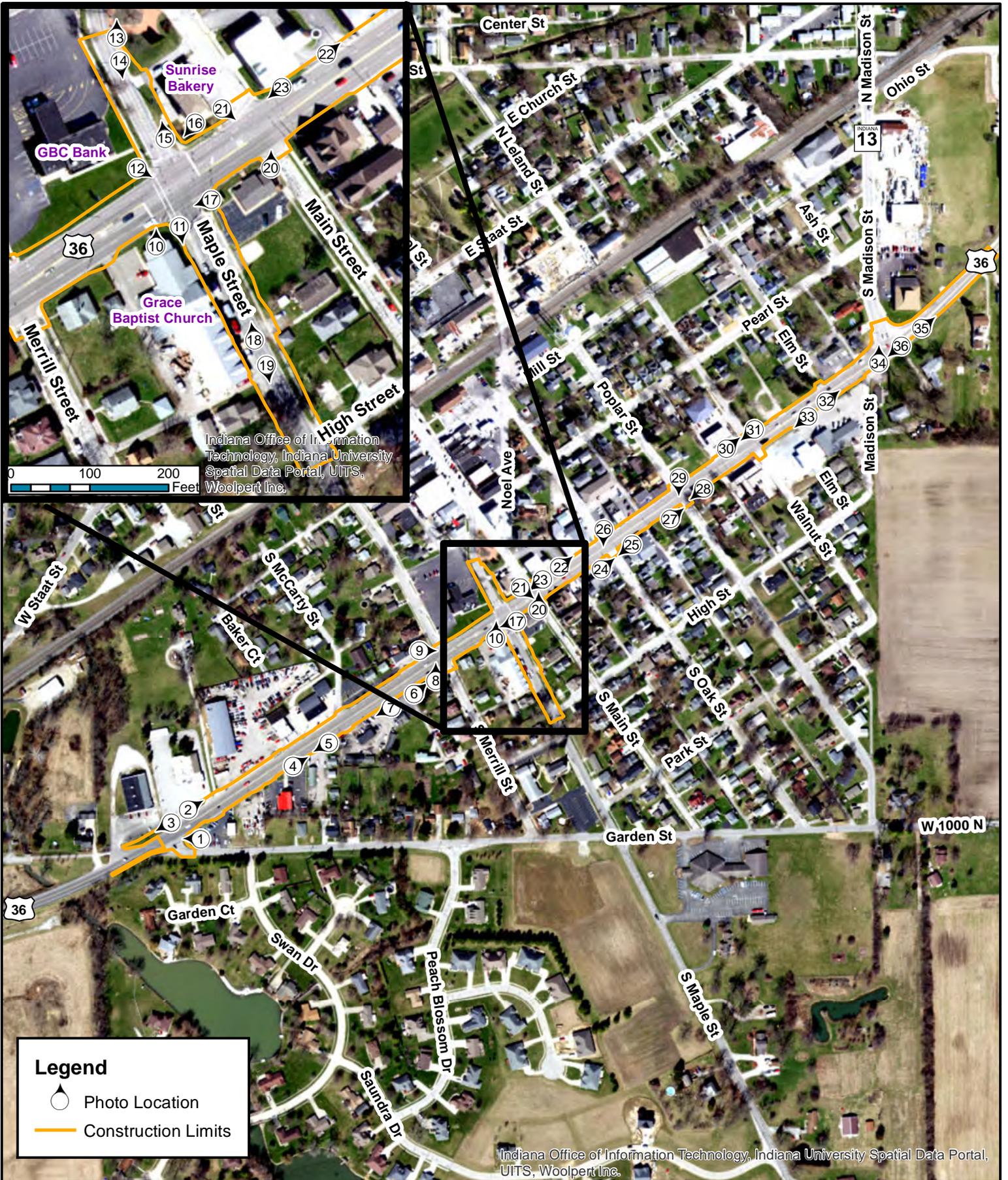
0 0.5 1  
 Miles

County: Hancock  
 Township: Vernon  
 State: Indiana

Roadway Projects  
 US 36, Garden Street to SR 13  
 Created: 7/14/2021, CKunkel







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

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

**Legend**

-  Photo Location
-  Construction Limits

**LOCHMUELLER GROUP**

3502 Woodview Trace, Suite 150  
 Indianapolis, IN 46268  
 Phone: (317) 222-3880  
 Fax: (317) 222-3881

**Aerial & Photo Location Map (2017)**  
 Des. Nos. 1700803, 1901985, & 1702935

0 300 600 Feet



County: Hancock  
 Township: Vernon  
 State: Indiana

Roadway Projects  
 US 36, Garden Street to SR 13  
 Created: 9/14/2021, C. Kunkel

S:\2016\21-00-15\21-11\Environ\Map\Aerial\Photo\Map\_US\_36\_all\_projects.mxd



1. Looking west at intersection of US 36 and Garden Street



2. Looking northeast along US 36



3. Looking southwest along US 36



4. Looking northeast along US 36



5. Looking southwest along US 36



6. Looking northeast along US 36



7. Looking southwest along US 36



8. Facing north at intersection of US 36 and Merrill Street



9. Looking east at intersection of US 36 and Merrill Street



10. Looking north of the intersection of US 36 and Maple Street



11. Looking south along Maple Street



12. Looking southeast at intersection of US 36 in Maple Street



13. Looking north along Maple Street



14. Looking south along Maple Street



15. Looking north along Maple Street



16. Looking southwest at the intersection of US 36 and Maple Street



17. Looking southwest at intersection of US 36 and Maple Street



18. Looking north along Maple Street



19. Looking south along Maple Street



20. Looking north at intersection of US 36 and Main Street



21. Looking southeast at intersection of US 36 and Main Street



22. Looking northeast along US 36



23. Looking southwest along US 36



24. Looking northeast along US 36



25. Looking southwest along US 36



26. Looking south at intersection of Oak Street and US 36



27. Looking northeast along US 36



28. Looking southwest along US 36



29. Looking south at intersection of Poplar Street and US 36



30. Looking northeast along US 36



31. Looking southwest along US 36



32. Looking northeast along US 36



33. Looking southwest along US 36



34. Looking north across US 36 toward SR 13



35. Looking northeast along US 36



36. Looking southwest along US 36

PROJECT	DESIGNATION
1700803	1700803 & 1901985
CONTRACT	BRIDGE FILE
R-42166	N/A

ADDITIONAL RIGHT-OF-WAY  
REQUIRED FOR THIS PROJECT

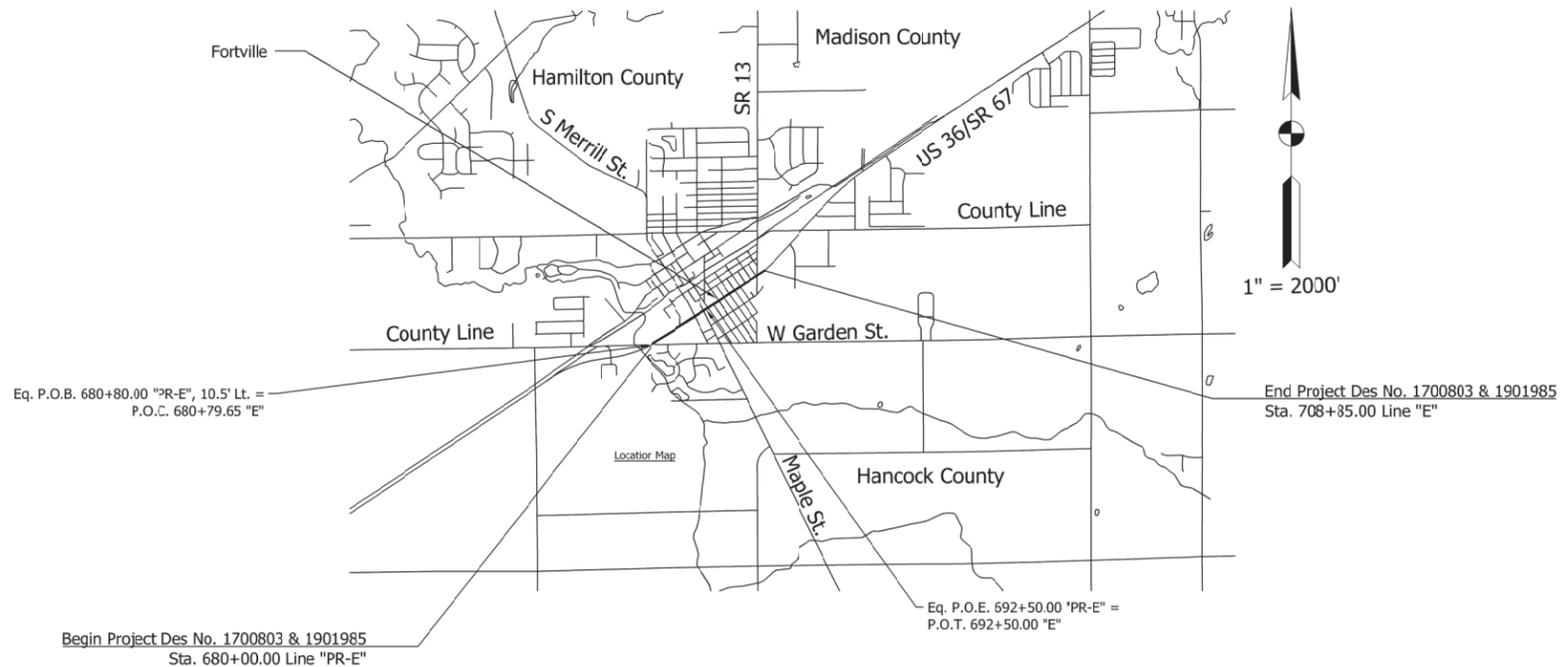
# INDIANA DEPARTMENT OF TRANSPORTATION



## ROAD PLANS

ROUTE: US 36 FROM: RP 80+87 TO: RP 81+45  
 PROJECT NO. 1700803 & 1901985 P.E.  
 1700803 & 1901985 R/W  
 1700803 & 1901985 CONST.

Road reconstruction and pedestrian facility improvements along US36 in Section 9 and 10, Township 17N, Range 6E, Vernon Township, Hancock County, Indiana.



TRAFFIC DATA	
A.A.D.T. (2022)	13,563 V.P.D.
A.A.D.T. (2012)	16,550 V.P.D.
D.H.V (2012)	1,695 V.P.H.
DIRECTIONAL DISTRIBUTION	50/50 %
TRUCKS	6% A.A.D.T. 6% D.H.V.
DESIGN DATA	
DESIGN SPEED	40 M.P.H.
PROJECT DESIGN CRITERIA	RECONSTRUCTION
FUNCTIONAL CLASSIFICATION	MINOR ARTERIAL
RURAL/URBAN	URBAN (BUILT-UP)
TERRAIN	LEVEL
ACCESS CONTROL	NONE



BOP LATITUDE: 39°55'45" N	BOP LONGITUDE: 85°51'08" W
EOP LATITUDE: 39°56'05" N	EOP LONGITUDE: 85°50'32" W

BRIDGE LENGTH:	N/A	MI.
ROADWAY LENGTH:	0.65	MI.
TOTAL LENGTH:	0.65	MI.
MAX. GRADE:	0.70%	%

HUC 14 Code: 05120201100120

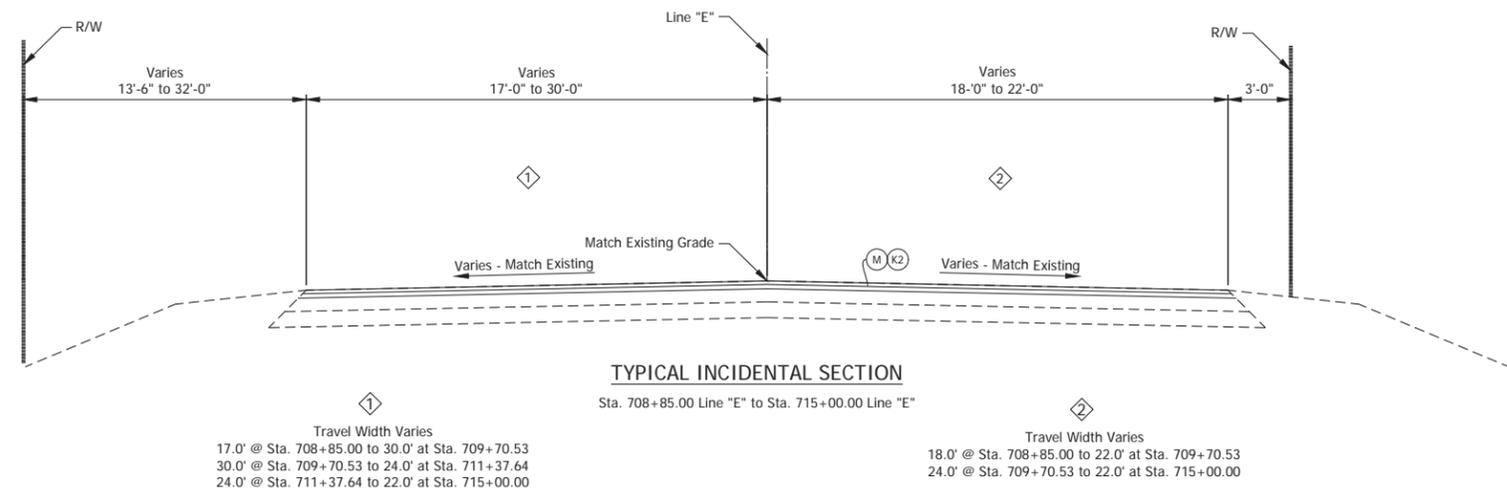
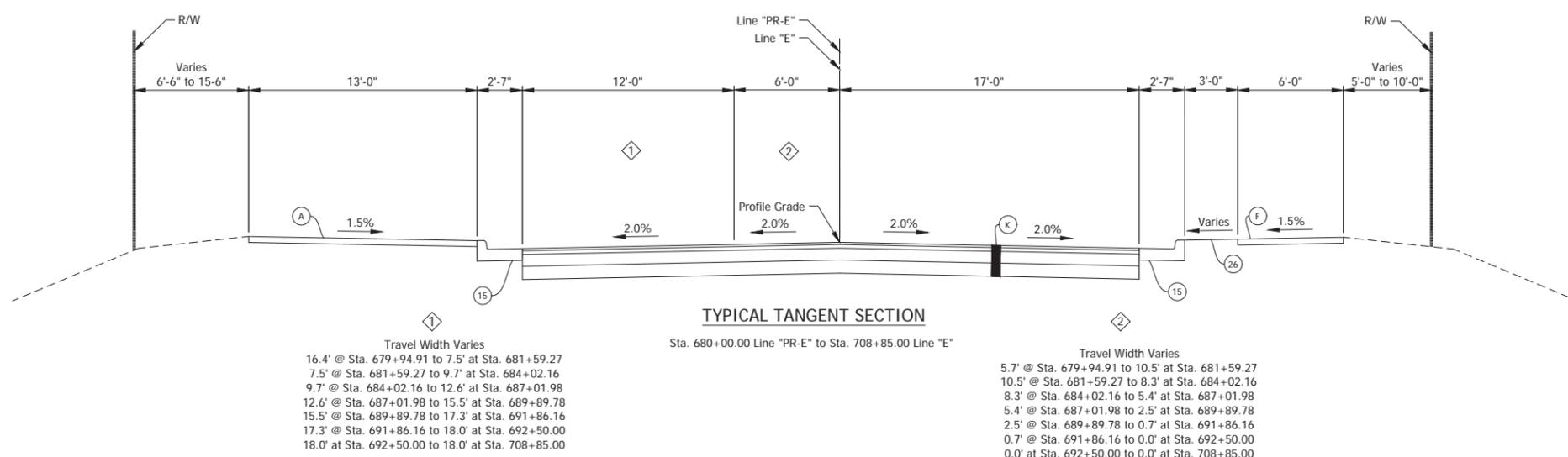
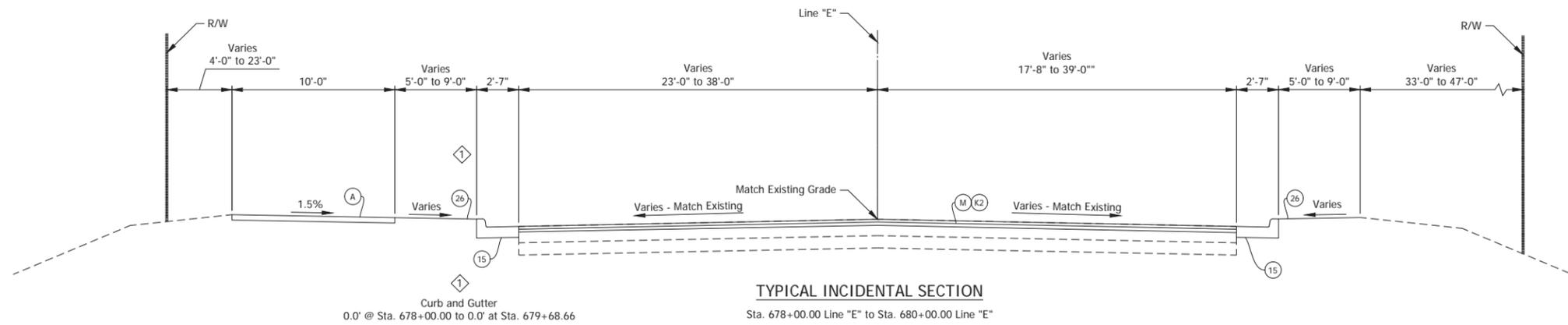
INDIANA DEPARTMENT OF TRANSPORTATION  
STANDARD SPECIFICATIONS (DATE) 2020  
TO BE USED WITH THESE PLANS

Date: Mar 30, 2021, 10:37am User Name: MWall  
File: S:\\_2018\218-0015121H\Road\CAD\Misc\DWG\21H-US36 Title.dwg

3502 Woodview Trace, Suite 150  
Indianapolis, Indiana, 46268  
PHONE: 317.222.3880  
TOLL FREE: 888.830.6977

PLANS PREPARED BY:	Lochmueller Group, Inc.	(317) 222-3880 PHONE NUMBER
CERTIFIED BY:		---/--- DATE
APPROVED FOR LETTING:	INDIANA DEPARTMENT OF TRANSPORTATION	DATE

BRIDGE FILE	
N/A	
DESIGNATION	
1700803 & 1901985	
SURVEY BOOK	SHEET
ELECTRONIC	1 of 53
CONTRACT	PROJECT
R-42166	1700803



Date: Mar 23, 2021, 12:20pm User Name: MWall File: S:\\_2018\218-001512\H\Road\CAD\Misc\DWG\17-H-US36 Typical.dwg

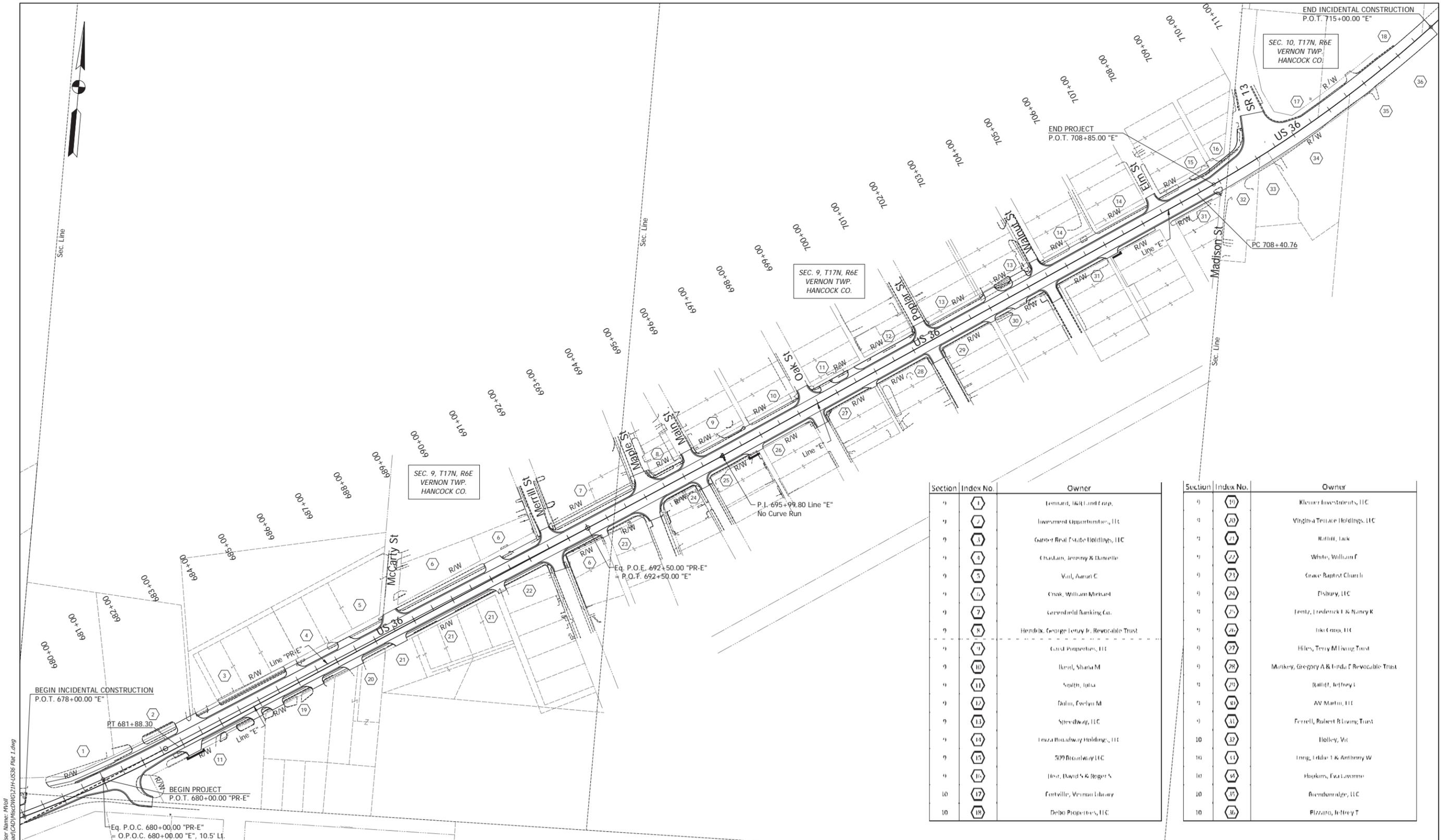
(K) 165 LB/SYS QC/QA HMA, 3, 70, surface, 9.5 mm on 275 LB/SYS QC/QA HMA, 3, 70, Intermediate, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 300 LB/SYS QC/QA HMA, 4, 76, Intermediate, OG, 19.0 mm on 4 IN Compacted Aggregate, No. 53 on Subgrade Treatment, Type ID	(15) Curb and Gutter, Concrete (26) Sodding	(F) Sidewalk, Concrete (M) Milling, 1 1/2 IN. (A) 4" of PCCP on, 4" Compacted Aggregated No. 53, Base on, Subgrade Treatment Type III
---	--	---

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE ____/____/____
DESIGNED: _____ MDV	DRAWN: _____ MDV	
CHECKED: _____ BKA	CHECKED: _____ BKA	

**INDIANA DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS**

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
1/4" = 1'-0"	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	3 of 53
CONTRACT	PROJECT
R-42166	1700803



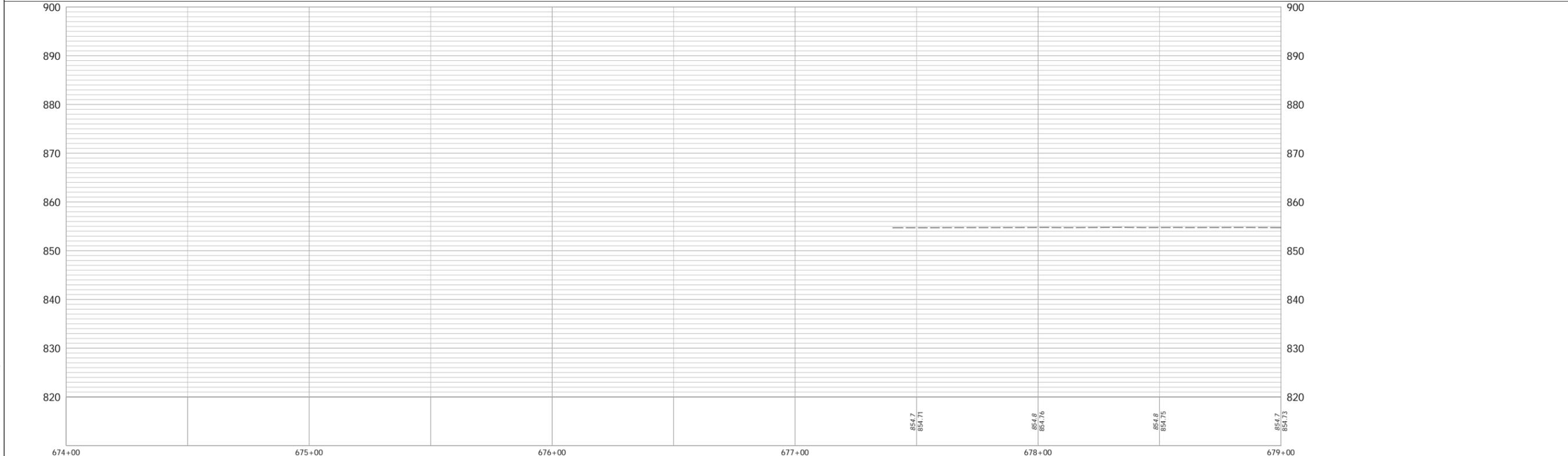
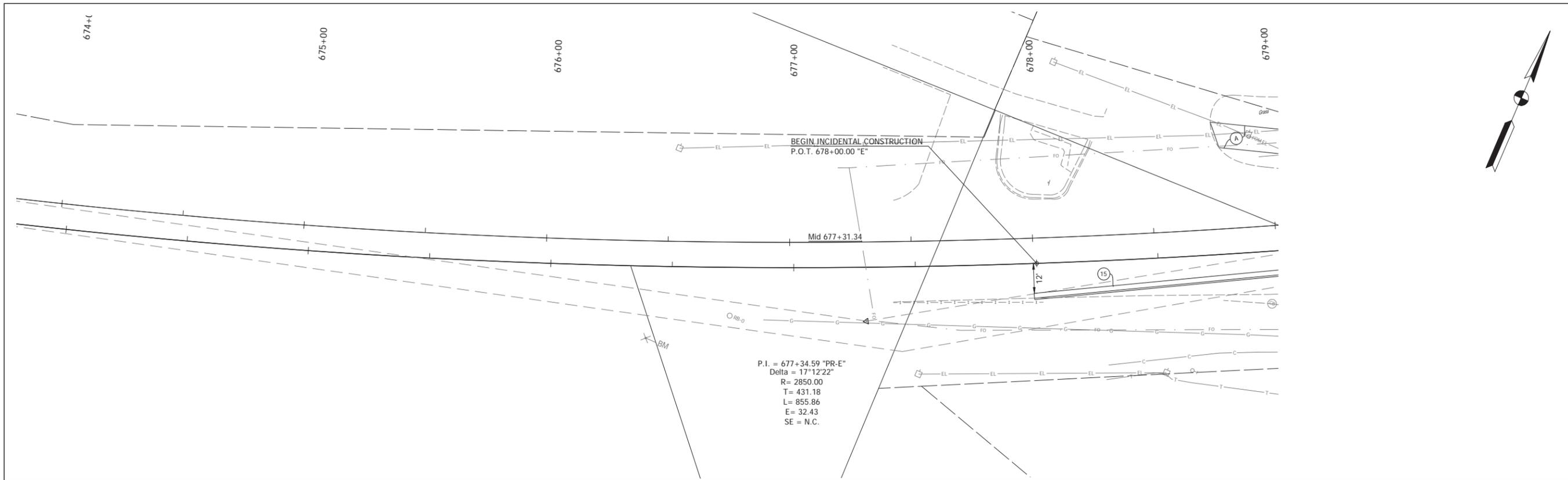
Section	Index No.	Owner	Section	Index No.	Owner
9	1	Lennard, I&R Land Corp.	9	20	Klemer Investments, LLC
9	2	Investment Opportunities, LLC	9	21	Virginia Terrace Holdings, LLC
9	3	Gartner Real Estate Holdings, LLC	9	22	Rohlf, Jack
9	4	Chadain, Jeremy & Danielle	9	23	White, William F
9	5	Vail, Aaron C	9	24	Grace Baptist Church
9	6	Crak, William Michael	9	25	Fishery, LLC
9	7	Greenfield Banking Co.	9	26	Fentz, Frederick E & Nancy K
9	8	Hendrix, George Lenay B. Revocable Trust	9	27	Iki Corp, LLC
9	9	Card Properties, LLC	9	28	Hiles, Terry M Living Trust
9	10	Iberd, Shana M	9	29	Monkey, Gregory A & Linda C Revocable Trust
9	11	Smith, Lisa	9	30	Ruhoff, Jeffrey L
9	12	Dubin, Evelyn M	9	31	AV Martin, LLC
9	13	Speedway, LLC	9	32	Ferrill, Robert B Living Trust
9	14	Teza Broadway Holdings, LLC	10	33	Holley, Vic
9	15	599 Broadway LLC	10	34	Long, Eddie T & Anthony W
9	16	Hart, David S & Roger S	10	35	Hojkins, Eva Lawrence
10	17	Fortville, Vermont Library	10	36	Brendenridge, LLC
10	18	Delbo Properties, LLC	10		Pizzano, Jeffrey T

Date: Mar 23, 2021, 12:22pm User Name: MWall  
 File: S:\2018\18-0015\18-Road\CD\Misc\G1214-US36 Plat 1.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

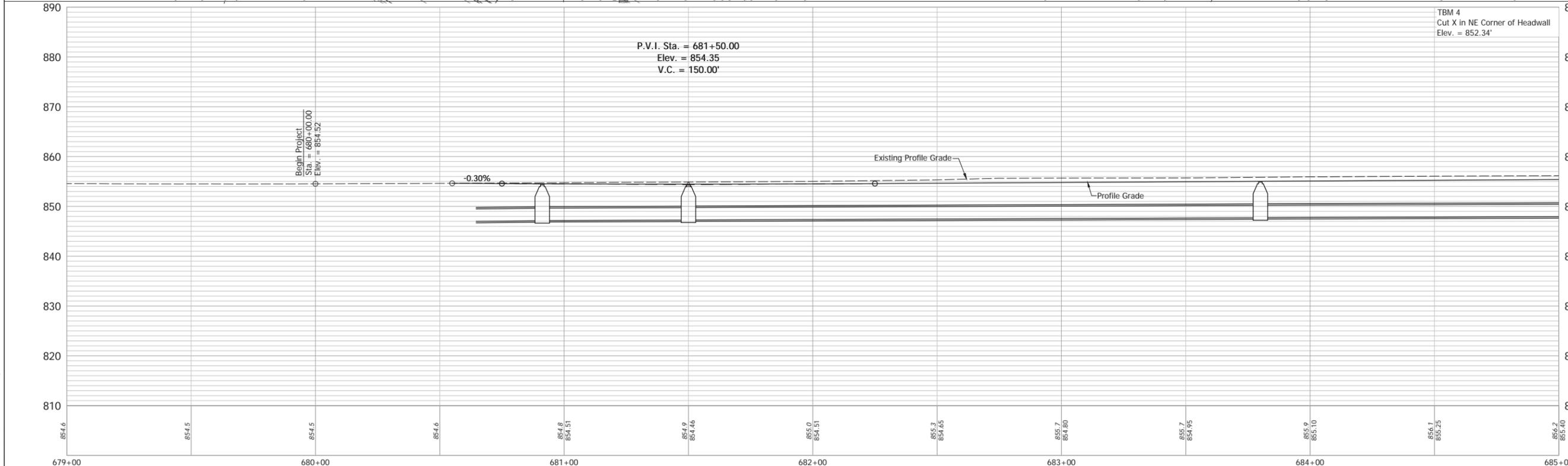
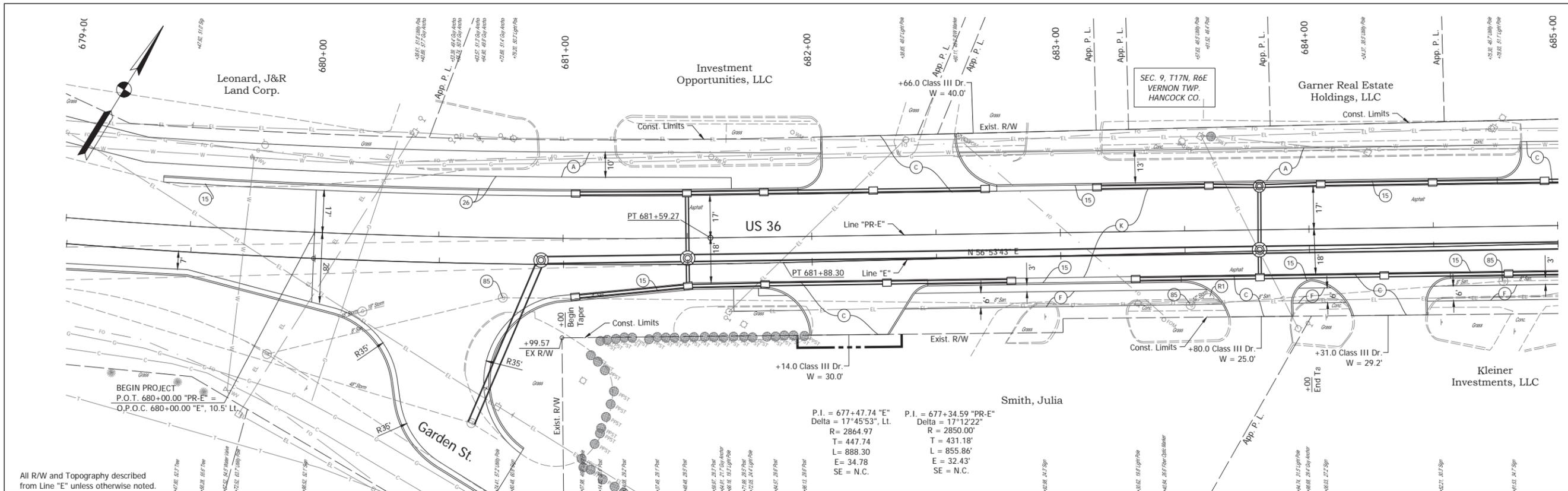
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**PLAT NO. 1**

HORIZONTAL SCALE	BRIDGE FILE
1" = 100'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	4 of 53
CONTRACT	PROJECT
R-42166	1700803



15 Curb and Gutter, Concrete A 4" of PCCP on, 4" Compacted Aggregated No. 53, Base on, Subgrade Treatment Type III	RECOMMENDED FOR APPROVAL _____ DATE ____/____/____ DESIGN ENGINEER	INDIANA DEPARTMENT OF TRANSPORTATION  PLAN AND PROFILE - LINE "PR-E"	HORIZONTAL SCALE 1"=20' BRIDGE FILE N/A
	DESIGNED: _____ MDV CHECKED: _____ BKA		DRAWN: _____ MDV CHECKED: _____ BKA
			SURVEY BOOK _____ SHEET _____ CONTRACT R-42166 PROJECT 1700803

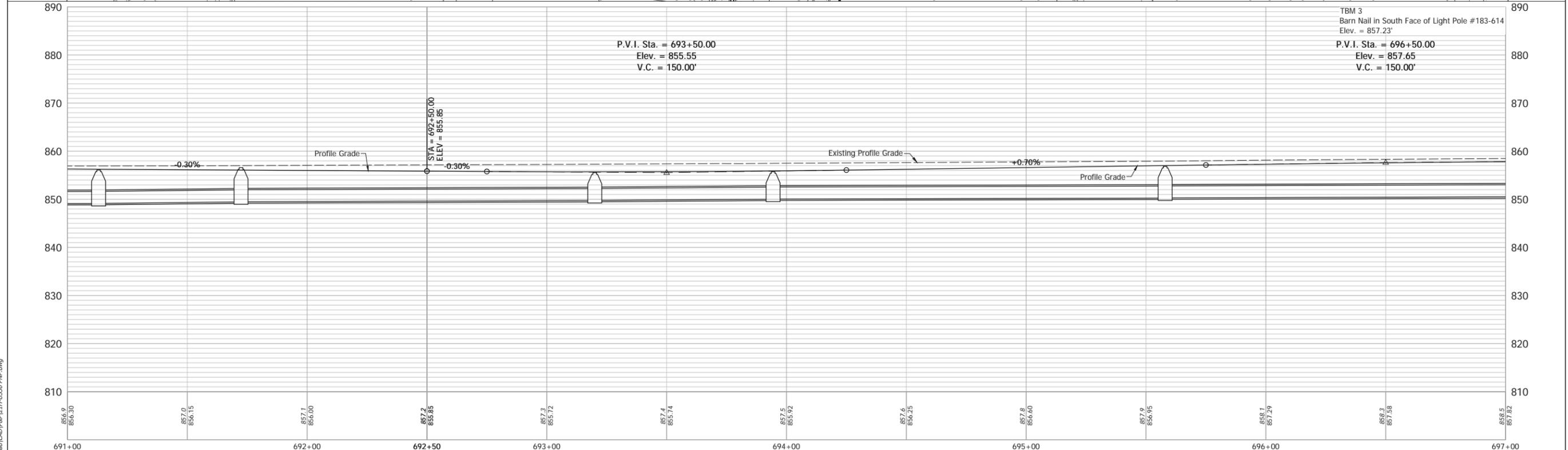
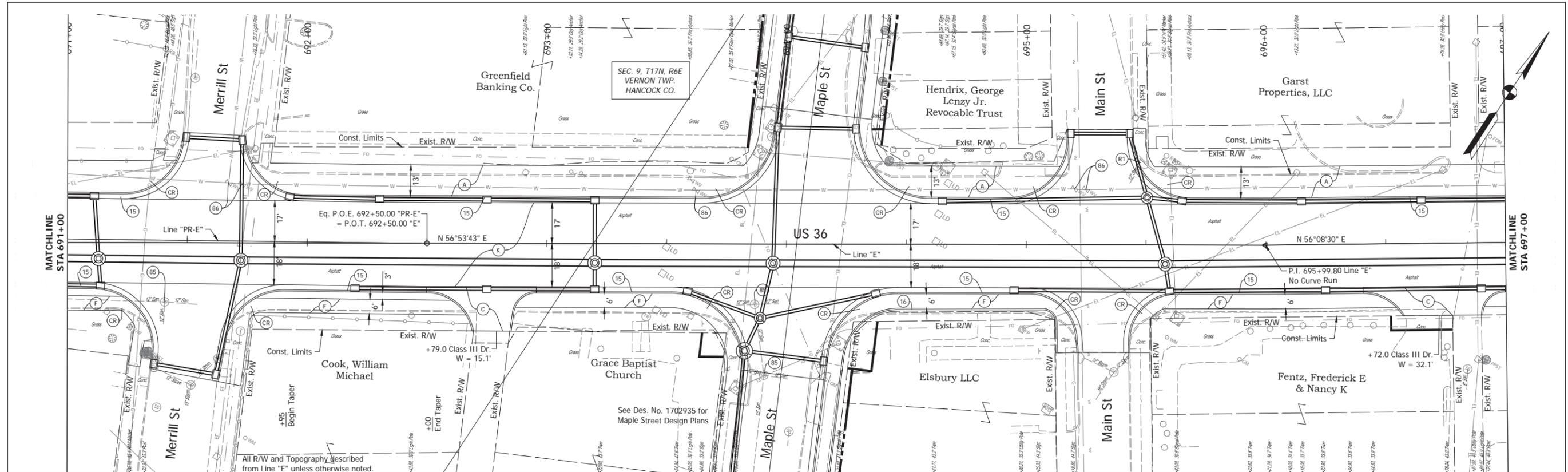
Date: Mar 23, 2021, 12:23pm User Name: MWJ  
 File: S:\2018\18-001512\H\Road\CAD\PR\PR-E-US36 PWP.dwg



(K) 165 LB/SYS QC/QA HMA, 3, 70, surface, 9.5 mm on 275 LB/SYS QC/QA HMA, 3, 70, Intermediate, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 300 LB/SYS QC/QA HMA, 4, 76, Intermediate, OG, 19.0 mm on 4 IN Compacted Aggregate, No. 53 on Subgrade Treatment, Type ID (15) Curb and Gutter, Concrete (26) Sodding (85) Casting, Adjust to Grade	(A) 4" of PCCP on, 4" Compacted Aggregated No. 53, Base on, Subgrade Treatment Type III (F) Sidewalk, Concrete (C) PCCP for Approaches, 8"	RECOMMENDED FOR APPROVAL _____ DATE _____ DESIGN ENGINEER _____	<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>  <b>PLAN AND PROFILE - LINE "PR-E"</b>	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE 1" = 10'	BRIDGE FILE N/A DESIGNATION 1700803 & 1901985
		DESIGNED: _____ MDV CHECKED: _____ BKA		DRAWN: _____ MDV CHECKED: _____ BKA	SURVEY BOOK ELECTRONIC 6 of 53 CONTRACT R-42166 PROJECT 1700803

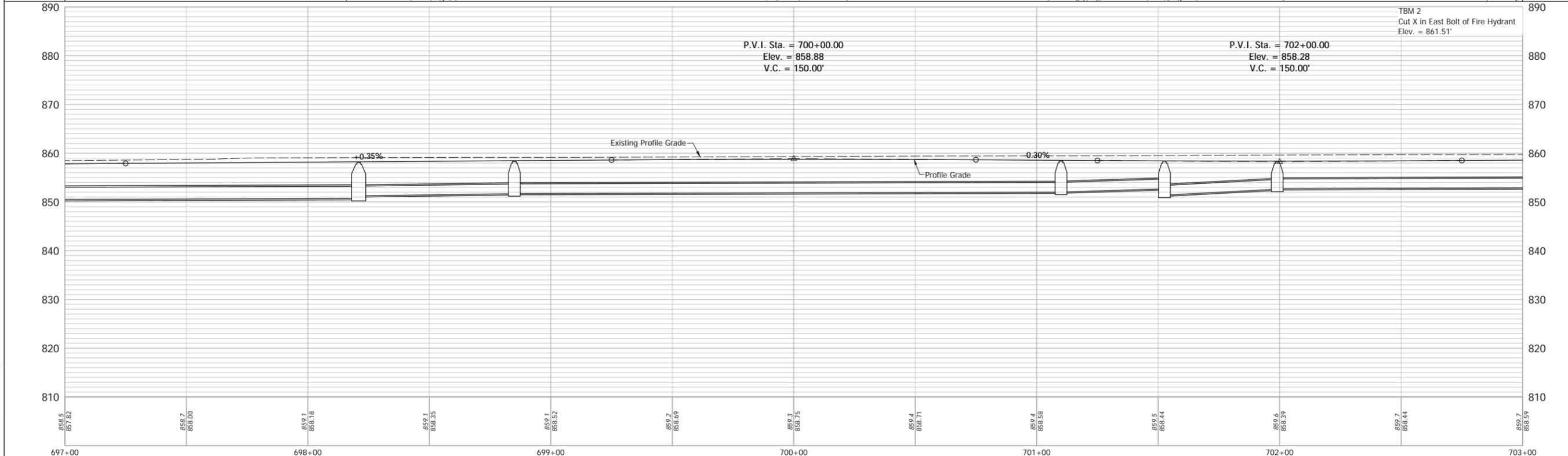
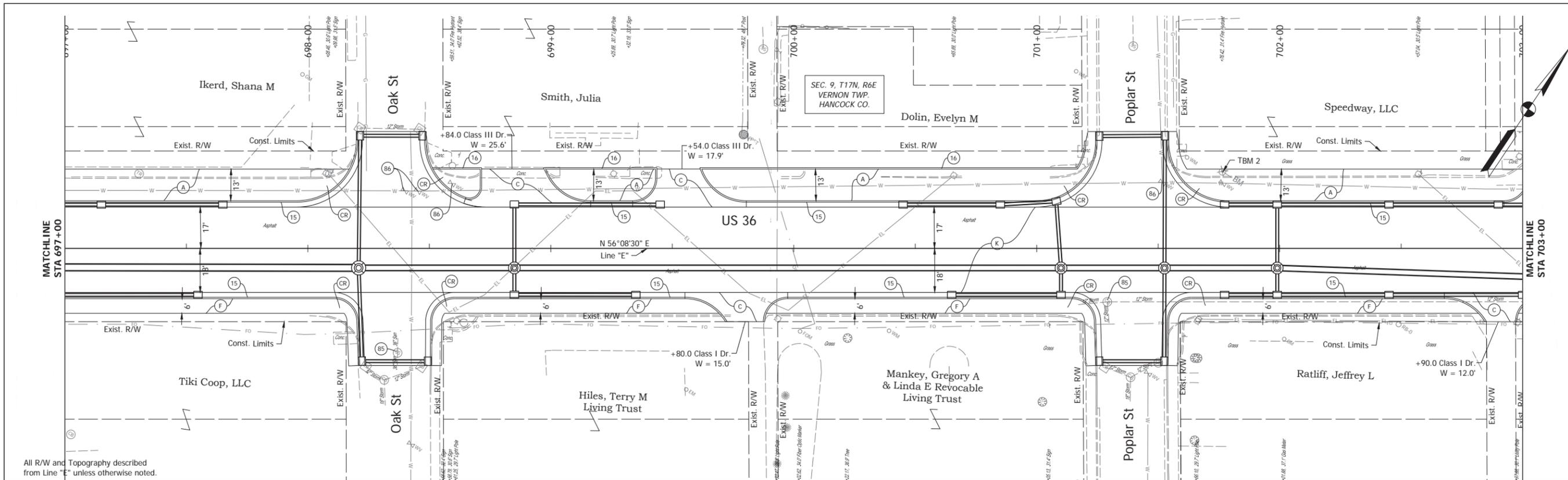
Date: Mar 23, 2021, 12:24pm User Name: M/Mall  
 File: S:\2018\18-0015\18Road\CAD\PR\PR-US36\_PWD.dwg





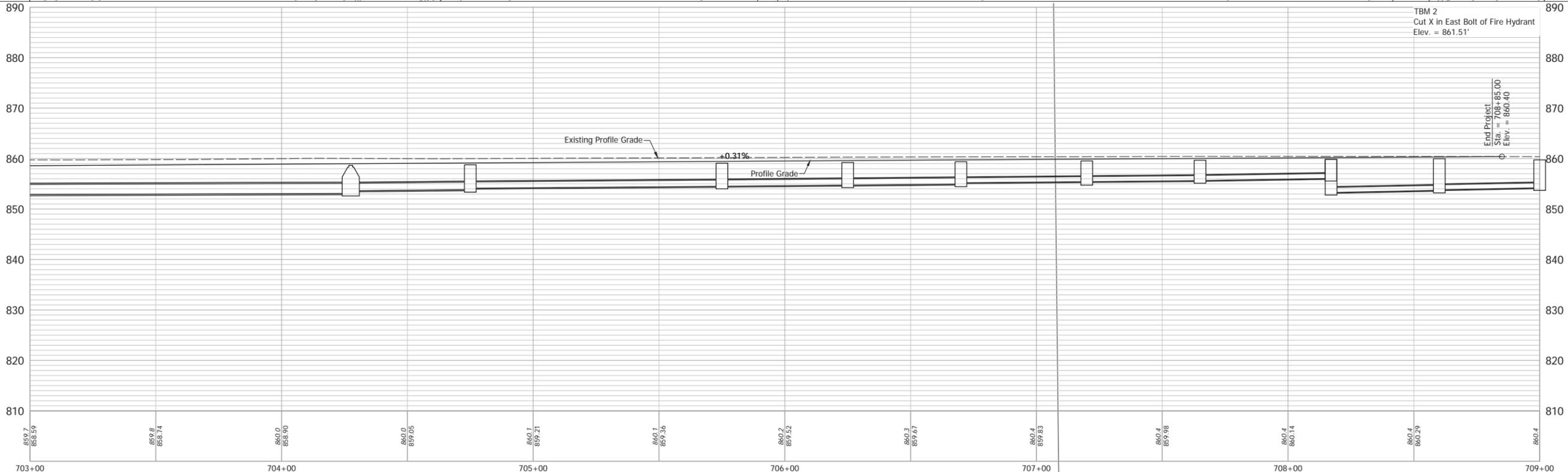
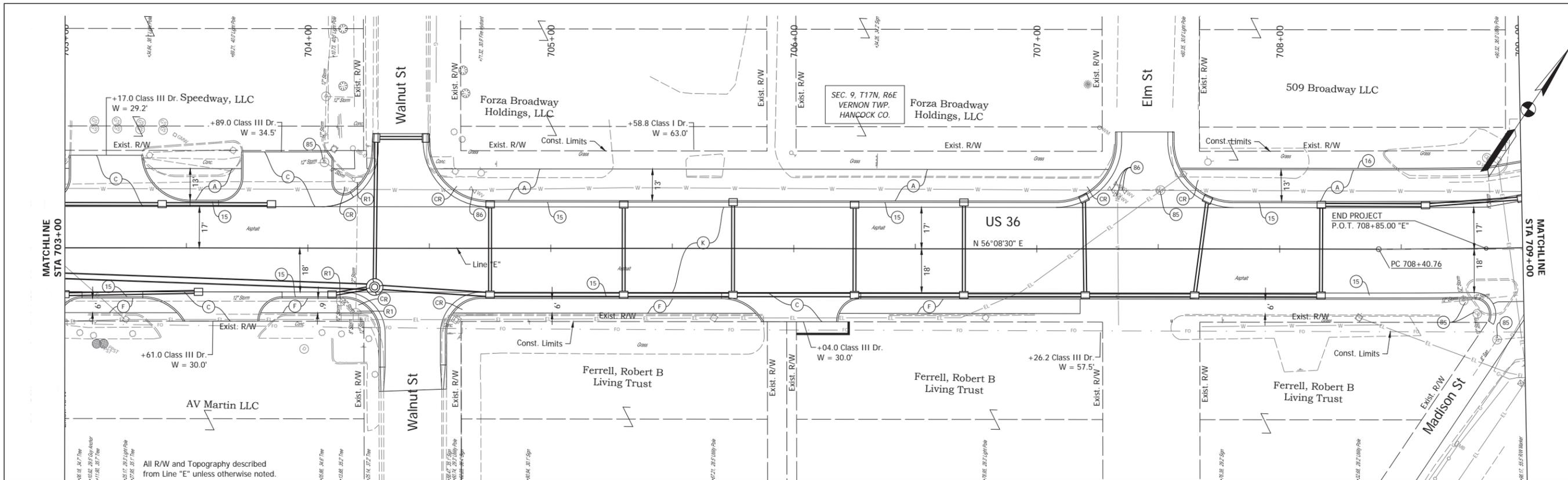
(K) 165 LB/SYS QC/QA HMA, 3, 70, surface, 9.5 mm on 275 LB/SYS QC/QA HMA, 3, 70, Intermediate, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 300 LB/SYS QC/QA HMA, 4, 76, Intermediate, OG, 19.0 mm on 4 IN Compacted Aggregate, No. 53 on Subgrade Treatment, Type ID (15) Curb and Gutter, Concrete (26) Sodding (85) Casting, Adjust to Grade (86) Valve, Adjust to Grade (16) Curb, Concrete (F) Sidewalk, Concrete (A) 4" of PCCP on, 4" Compacted Aggregated No. 53, Base on, Subgrade Treatment Type III (C) PCCP for Approaches, 8" (CR) Curb Ramp, Concrete	RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	<b>INDIANA</b> <b>DEPARTMENT OF TRANSPORTATION</b>	HORIZONTAL SCALE 1" = 20' VERTICAL SCALE 1" = 10'	BRIDGE FILE N/A DESIGNATION 1700803 & 1901985
	DESIGNED: _____ MDV CHECKED: _____ BKA		DRAWN: _____ MDV CHECKED: _____ BKA	<b>PLAN AND PROFILE - LINE "PR-E" AND LINE "E"</b>

Date: Mar 23, 2021, 12:26pm User Name: M/Mall  
 File: S:\2018\18-001\181214\Road\CAD\PR\PR-US36\_PWP.dwg



<p>(K) 165 LB/SYS QC/QA HMA, 3, 70, surface, 9.5 mm on 275 LB/SYS QC/QA HMA, 3, 70, Intermediate, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 300 LB/SYS QC/QA HMA, 4, 76, Intermediate, OG, 19.0 mm on 4 IN Compacted Aggregate, No. 53 on Subgrade Treatment, Type ID</p>	<p>(15) Curb and Gutter, Concrete (85) Casting, Adjust to Grade (86) Valve, Adjust to Grade (CR) Curb Ramp, Concrete (16) Curb, Concrete</p>	<p>(F) Sidewalk, Concrete (A) 4" of PCCP on, 4" Compacted Aggregated No. 53, Base on, Subgrade Treatment Type III (C) PCCP for Approaches, 8"</p>	<p>RECOMMENDED FOR APPROVAL _____ DATE _____ DESIGN ENGINEER _____</p> <p>DESIGNED: _____ MDV DRAWN: _____ MDV CHECKED: _____ BKA CHECKED: _____ BKA</p>	<p>INDIANA DEPARTMENT OF TRANSPORTATION</p> <p>PLAN AND PROFILE - LINE "E"</p>	<p>HORIZONTAL SCALE 1" = 20' VERTICAL SCALE 1" = 10'</p> <p>SURVEY BOOK ELECTRONIC 9 of 53 CONTRACT R-42166 PROJECT 1700803</p>
--	--	---	--	--	---

Date: Mar 23, 2021, 12:26pm User Name: M/Mall File: S:\2018\18-0015\21\Road\CAD\PLAN\I-536\_PWD.dwg



Date: Mar 23, 2021, 12:27pm User Name: M/K/M  
 File: S:\2018\18-0015\21\Road\CD\PA\PL\H-US36\_PWD.dwg

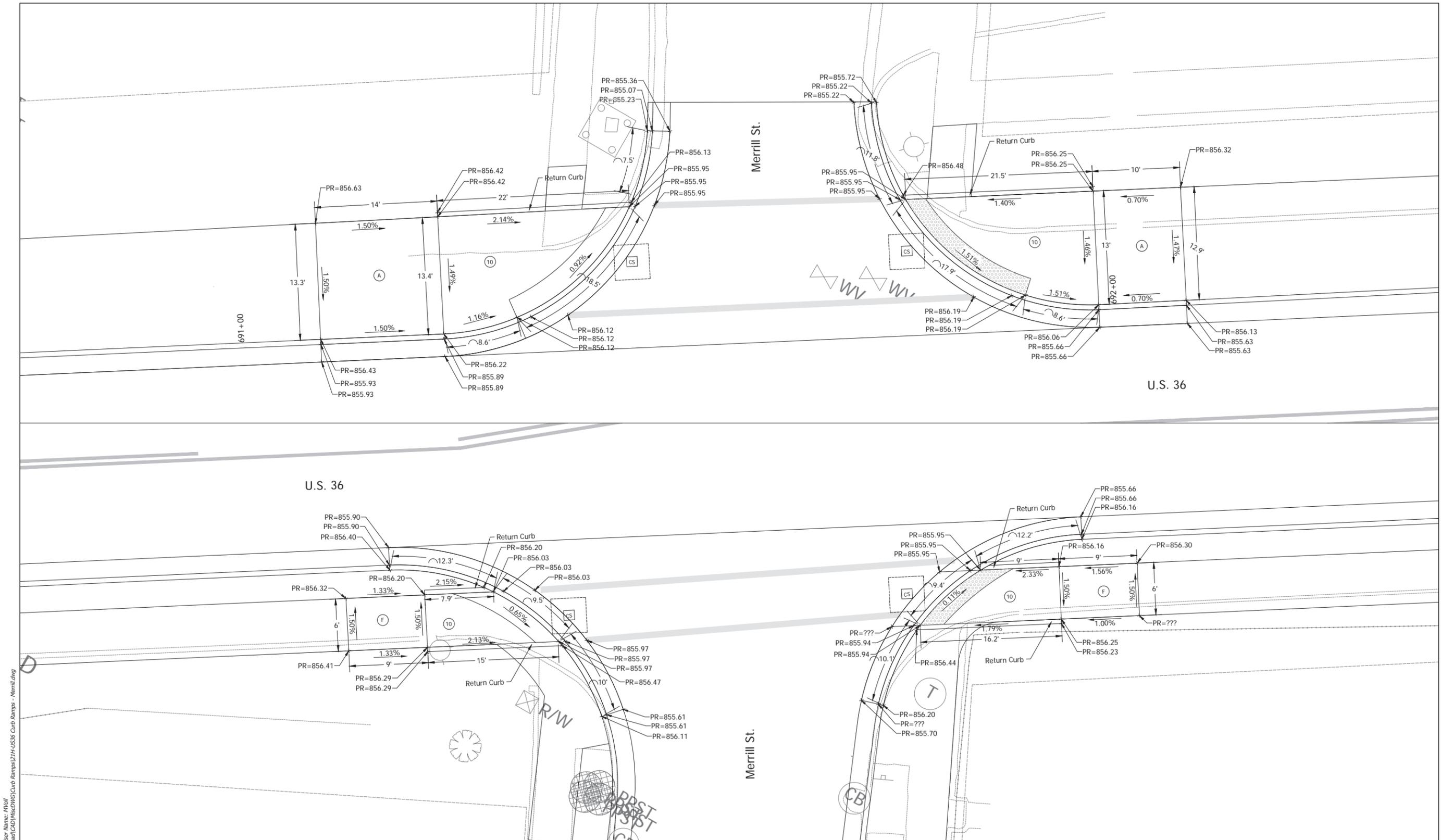
- (K) 165 LB/SYS QC/OA HMA, 3, 70, surface, 9.5 mm on 275 LB/SYS QC/OA HMA, 3, 70, Intermediate, 19.0 mm on 330 LB/SYS QC/OA HMA, 3, 64, Base, 19.0 mm on 330 LB/SYS QC/OA HMA, 3, 64, Base, 19.0 mm on 300 LB/SYS QC/OA HMA, 4, 76, Intermediate, OG, 19.0 mm on 4 IN Compacted Aggregate, No. 53 on Subgrade Treatment, Type ID
- (15) Curb and Gutter, Concrete
- (85) Casting, Adjust to Grade
- (86) Valve, Adjust to Grade
- (CR) Curb Ramp, Concrete
- (16) Curb, Concrete
- (F) Sidewalk, Concrete
- (A) 4" of PCCP on, 4" Compacted Aggregated No. 53, Base on, Subgrade Treatment Type III
- (C) PCCP for Approaches, 8"

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**PLAN AND PROFILE - LINE "E"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	10 of 53
CONTRACT	PROJECT
R-42166	1700803





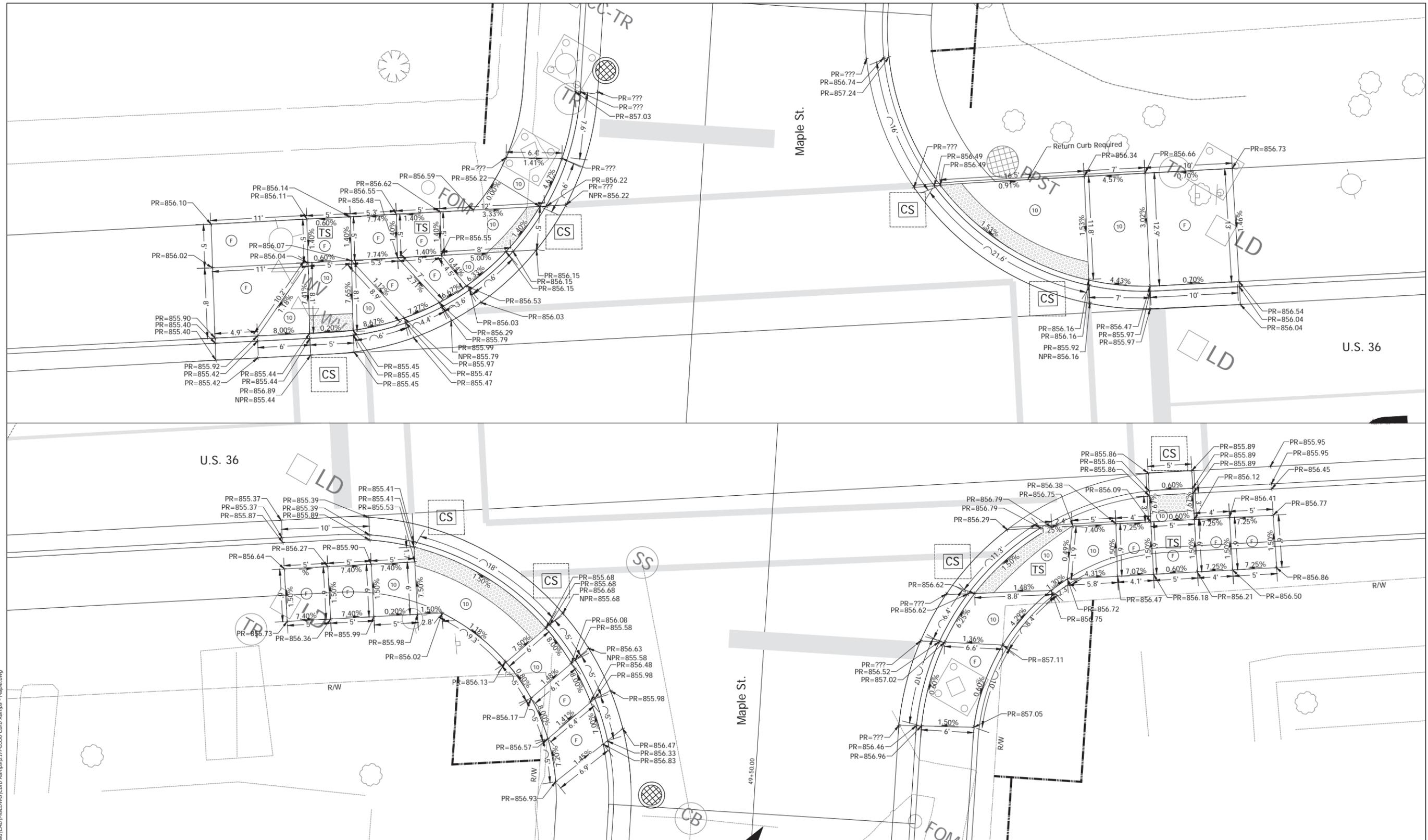
Date: Mar 23, 2021, 12:29pm User Name: M/Mall  
 File: S:\2018\1218-00121\Road\CAD\Misc\DWG\Curb Ramps\21H-US36 Curb Ramps - Merrill.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: JAG	
CHECKED: BKA	CHECKED: BKA	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CURB RAMP DETAILS**

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	of 53
CONTRACT	PROJECT
R-42166	1700803

Date: Mar 23, 2021, 12:30pm User Name: M/Mall  
 File: S:\2018\18-0015\18-0015\Road\CAD\Misc\DWG\Curb Ramps\21H-US36 Curb Ramps - Maple.dwg

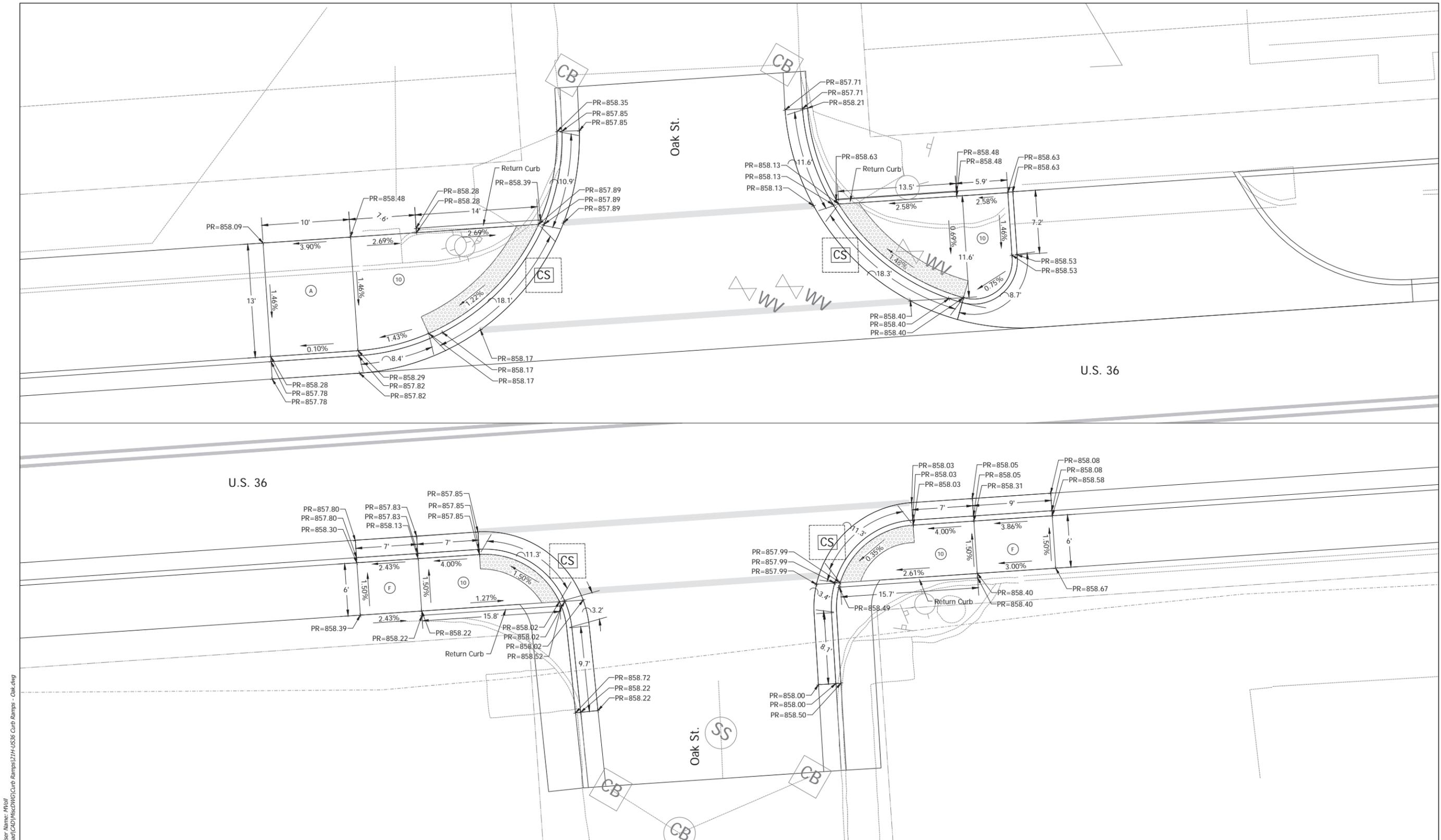


RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

INDIANA DEPARTMENT OF TRANSPORTATION	
CURB RAMP DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	of 53
CONTRACT	PROJECT
R-42166	1700803





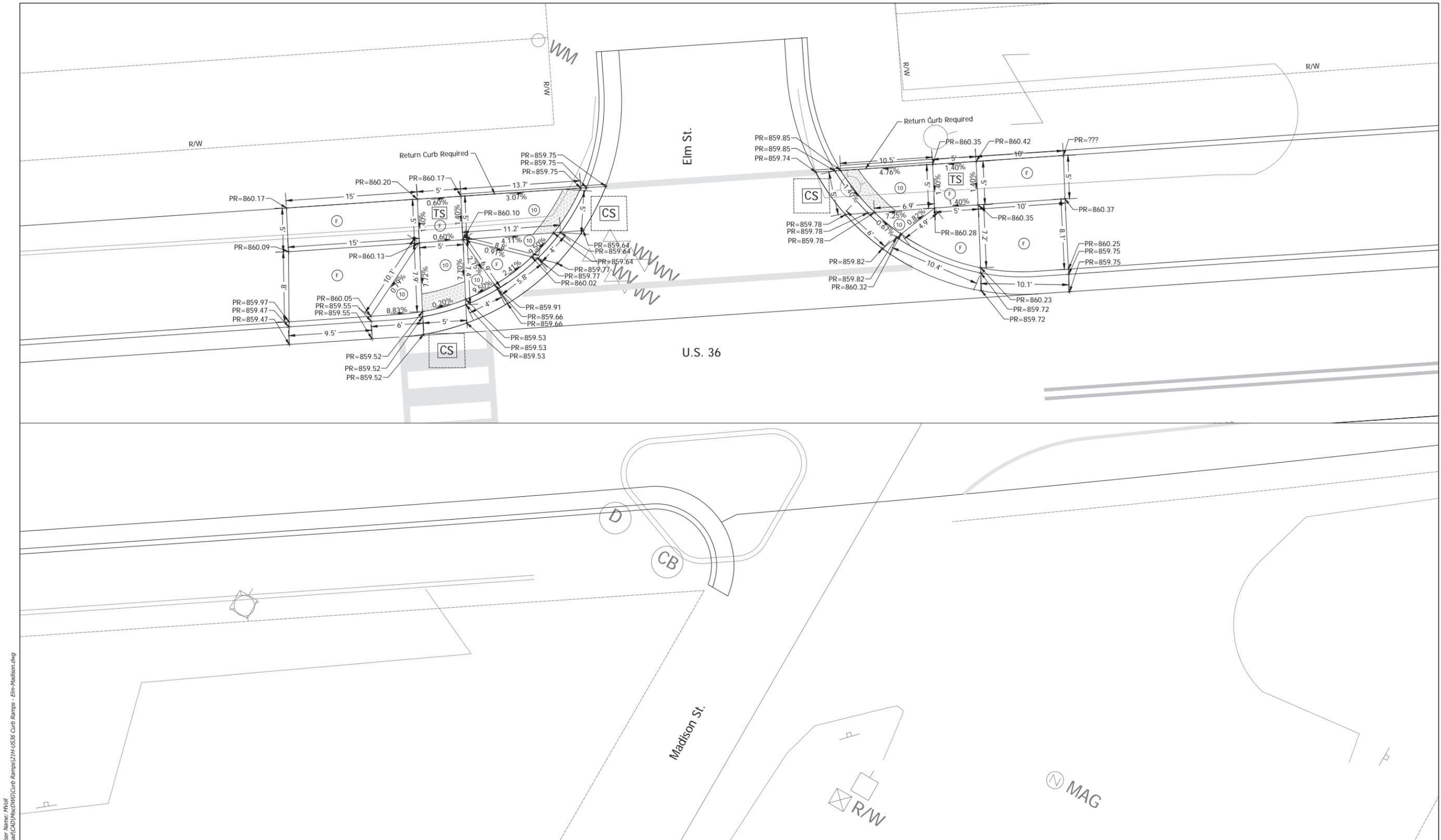
Date: Mar 23, 2021, 12:23pm User Name: M/Mall  
 File: S:\2018\1218-00121\Road\CAD\Misc\DWG\Curb Ramps\21H-US36 Curb Ramps - Cdk.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: JAG	
CHECKED: BKA	CHECKED: BKA	

INDIANA DEPARTMENT OF TRANSPORTATION	
CURB RAMP DETAILS	

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	of 53
CONTRACT	PROJECT
R-42166	1700803



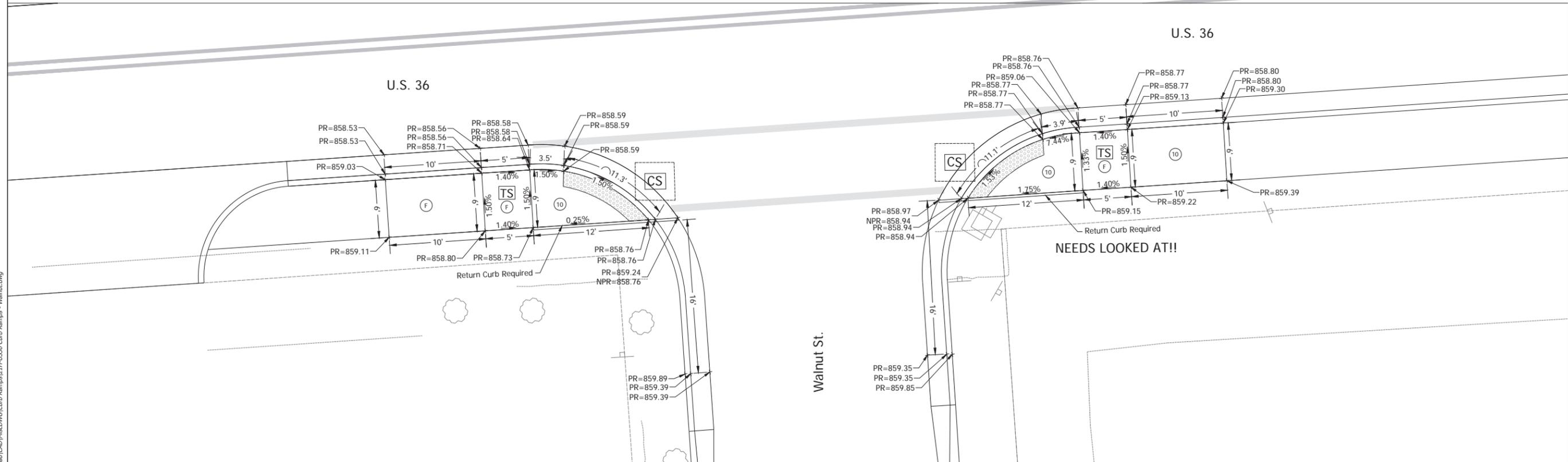
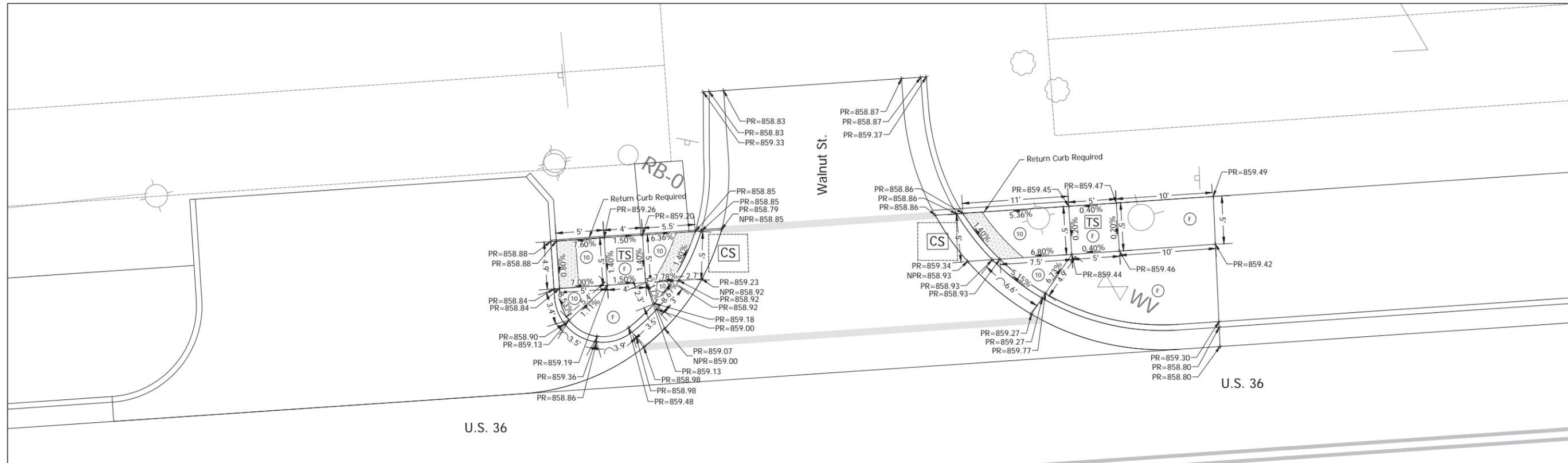


Date: Mar 23, 2021, 12:35pm User Name: M/Mall  
 File: S:\2018\1218-001212\Road\CAD\Misc\DWG\Curb Ramps\21H-US36 Curb Ramps - Elm-Madison.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MDV	
CHECKED: BKA	CHECKED: BKA	

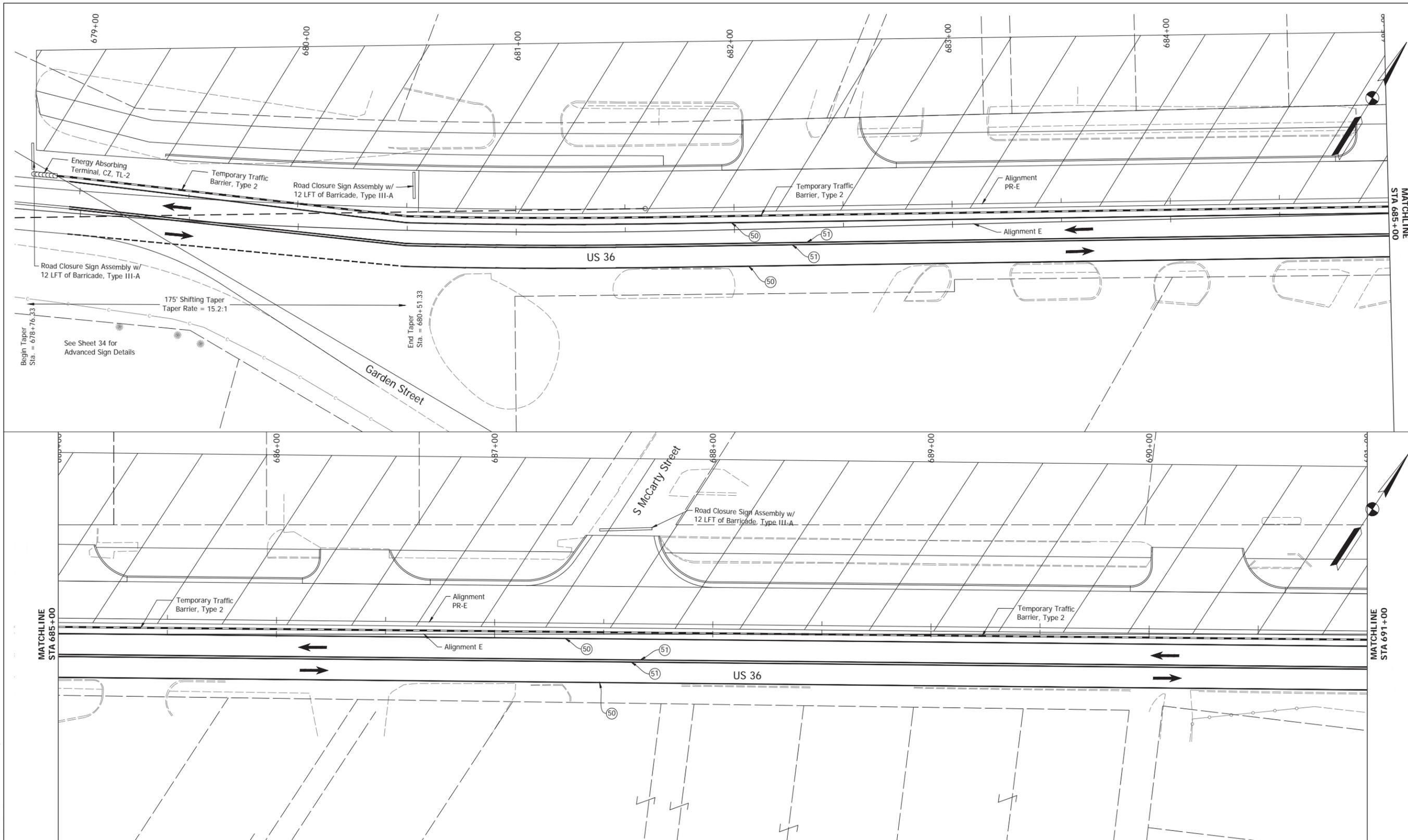
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**CURB RAMP DETAILS**

HORIZONTAL SCALE	BRIDGE FILE
1"=5'	N/A
VERTICAL SCALE	DESIGNATION
1"=5'	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	of 53
CONTRACT	PROJECT
R-42166	1700803



Date: Mar 23, 2021, 12:26pm User Name: M/Mall  
 File: S:\2018\1218-001212\Road\CAD\Misc\DWG\Curb Ramps\21H-US36 Curb Ramps - Walnut.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION	HORIZONTAL SCALE 1"=5'	BRIDGE FILE N/A
DESIGNED: _____ MDV	DRAWN: _____ MDV		VERTICAL SCALE 1"=5'	DESIGNATION 1700803 & 1901985
CHECKED: _____ BKA	CHECKED: _____ BKA	CURB RAMP DETAILS	SURVEY BOOK	SHEET
			ELECTRONIC	of 53
			CONTRACT	PROJECT
			R-42166	1700803



- Energy Absorbing Terminal, CZ, TL-2
- Temporary Traffic Barrier, Type 2
- Construction Area
- (50) Temporary Pavement Marking, Yellow, 4 in.
- (51) Temporary Pavement Marking, White, 4 in.

Construction Zone  
Design Speed = 30 MPH

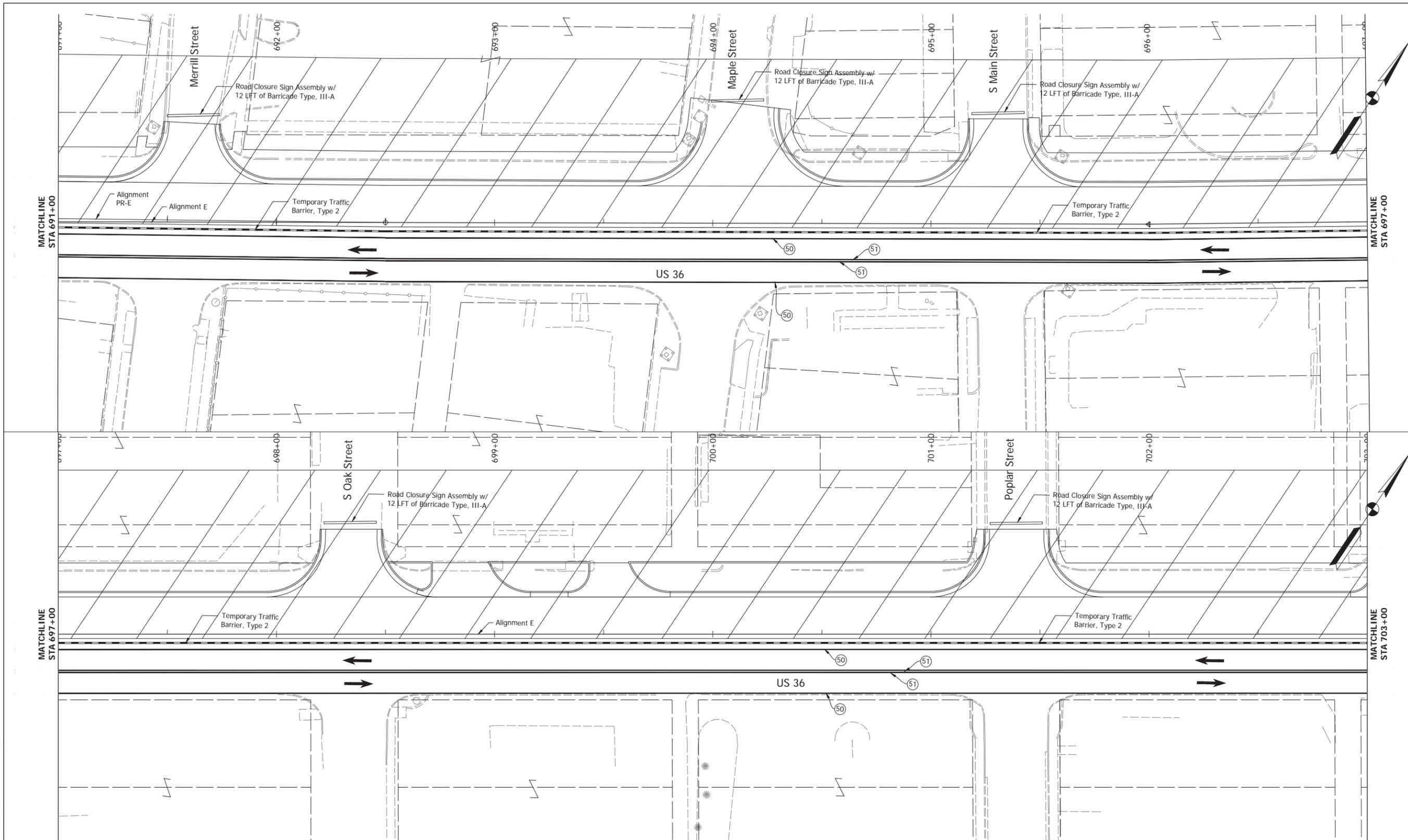
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE ____/____/____	
DESIGNED: _____	MDV	DRAWN: _____	MDV		
CHECKED: _____	BKA	CHECKED: _____	BKA		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - PHASE 1**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	25 of 53
CONTRACT	PROJECT
R-42166	1700803

Date: Mar 23, 2021, 12:40pm User Name: MWoll  
File: S:\2018\18-0015\21H\Road\CAD\MDT\21H-US36-MOT-PR1.dwg



- Energy Absorbing Terminal, CZ, TL-2
- Temporary Traffic Barrier, Type 2
- Construction Area
- (50) Temporary Pavement Marking, Yellow, 4 in.
- (51) Temporary Pavement Marking, White, 4 in.

Construction Zone  
Design Speed = 30 MPH

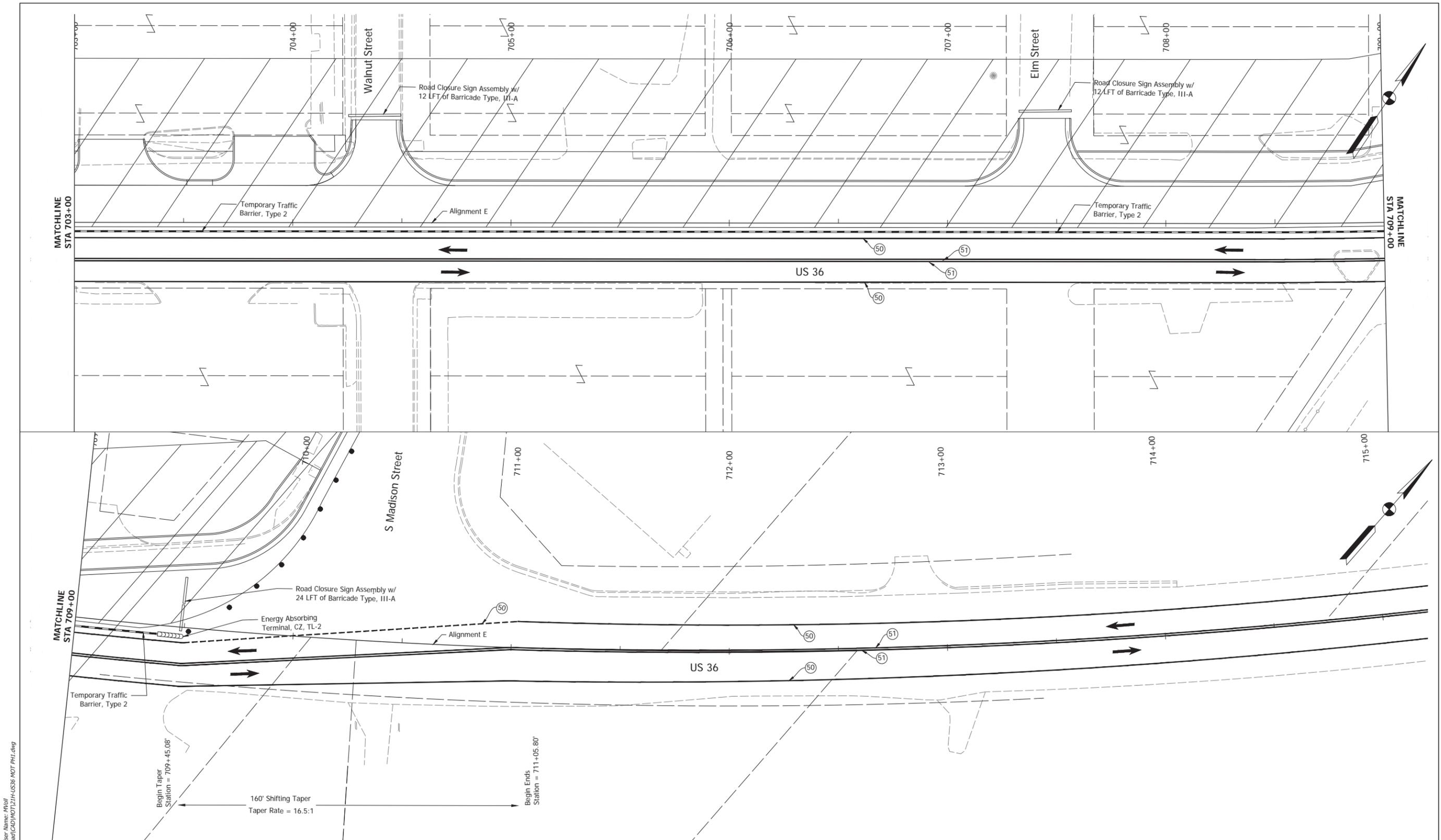
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE ____/____/____	
DESIGNED: _____	MDV	DRAWN: _____	MDV		
CHECKED: _____	BKA	CHECKED: _____	BKA		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - PHASE 1**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	26 of 53
CONTRACT	PROJECT
R-42166	1700803

Date: Mar 23, 2021, 12:41pm User Name: MWJ  
File: S:\2018\18-0012\18Road\CAD\MDT\21H-US36-MOT-PT1.dwg



Date: Mar 23, 2021, 12:42pm User Name: MWoll  
 File: S:\2018\18-0015\21\Road\CAD\MDT\21H-US36-MOT-PT1.dwg

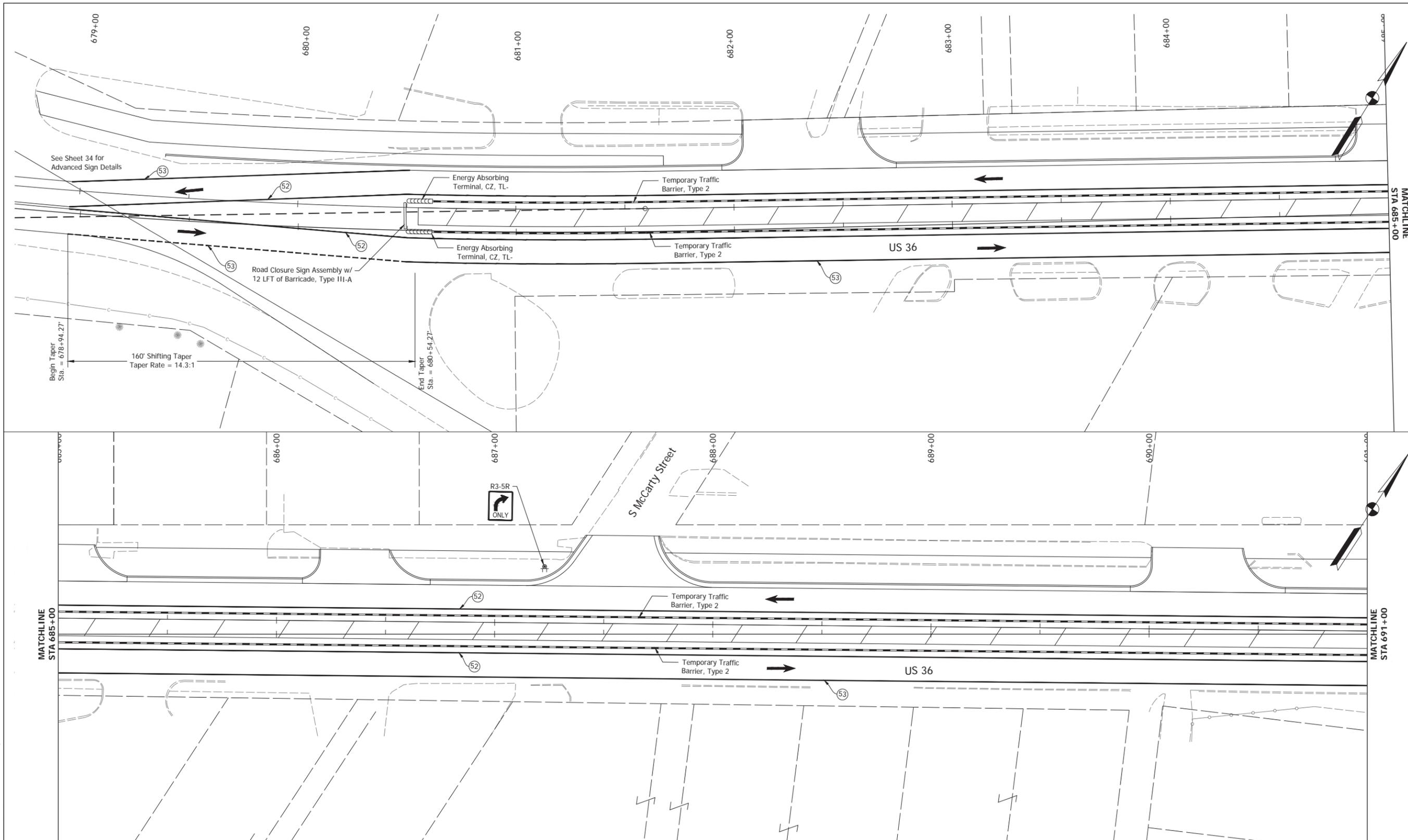
- Energy Absorbing Terminal, CZ, TL-2
- Temporary Traffic Barrier, Type 2
- Construction Area
- (50) Temporary Pavement Marking, Yellow, 4 in.
- (51) Temporary Pavement Marking, White, 4 in.

Construction Zone  
Design Speed = 30 MPH

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE: --/--	
DESIGNED: _____	MDV	DRAWN: _____	MDV		
CHECKED: _____	BKA	CHECKED: _____	BKA		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC - PHASE 1**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	27 of 53
CONTRACT	PROJECT
R-42166	1700803



- Energy Absorbing Terminal, CZ, TL-2
- Temporary Traffic Barrier, Type 2
- Construction Area
- (52) Temporary Pavement Marking, Yellow, Removable, 4 in.
- (53) Temporary Pavement Marking, White, Removable, 4 in.

Construction Zone  
Design Speed = 30 MPH

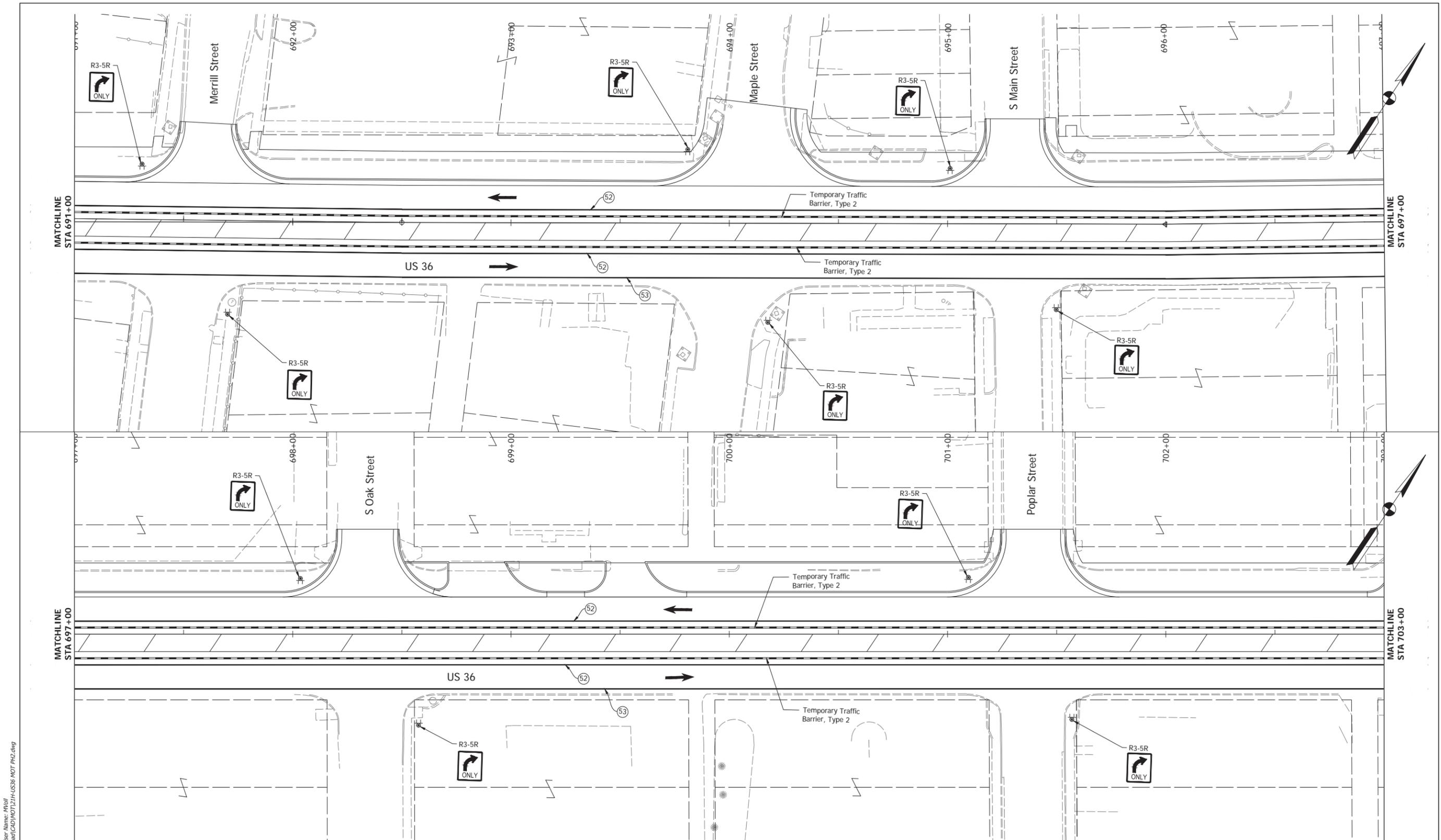
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE ____/____/____	
DESIGNED: _____	MDV	DRAWN: _____	MDV		
CHECKED: _____	BKA	CHECKED: _____	BKA		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - PHASE 2**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	28 of 53
CONTRACT	PROJECT
R-42166	1700803

Date: Mar 23, 2021, 12:49pm User Name: MWoll  
File: S:\2018\18-0015\21\Road\CAD\MDT\ZFH-US36-MOT-TR2.dwg



Date: Mar 23, 2021, 12:44pm User Name: MWJ  
 File: S:\2018\18-001\21\Road\CAD\MDT\21H-US36-MOT-PR2.dwg

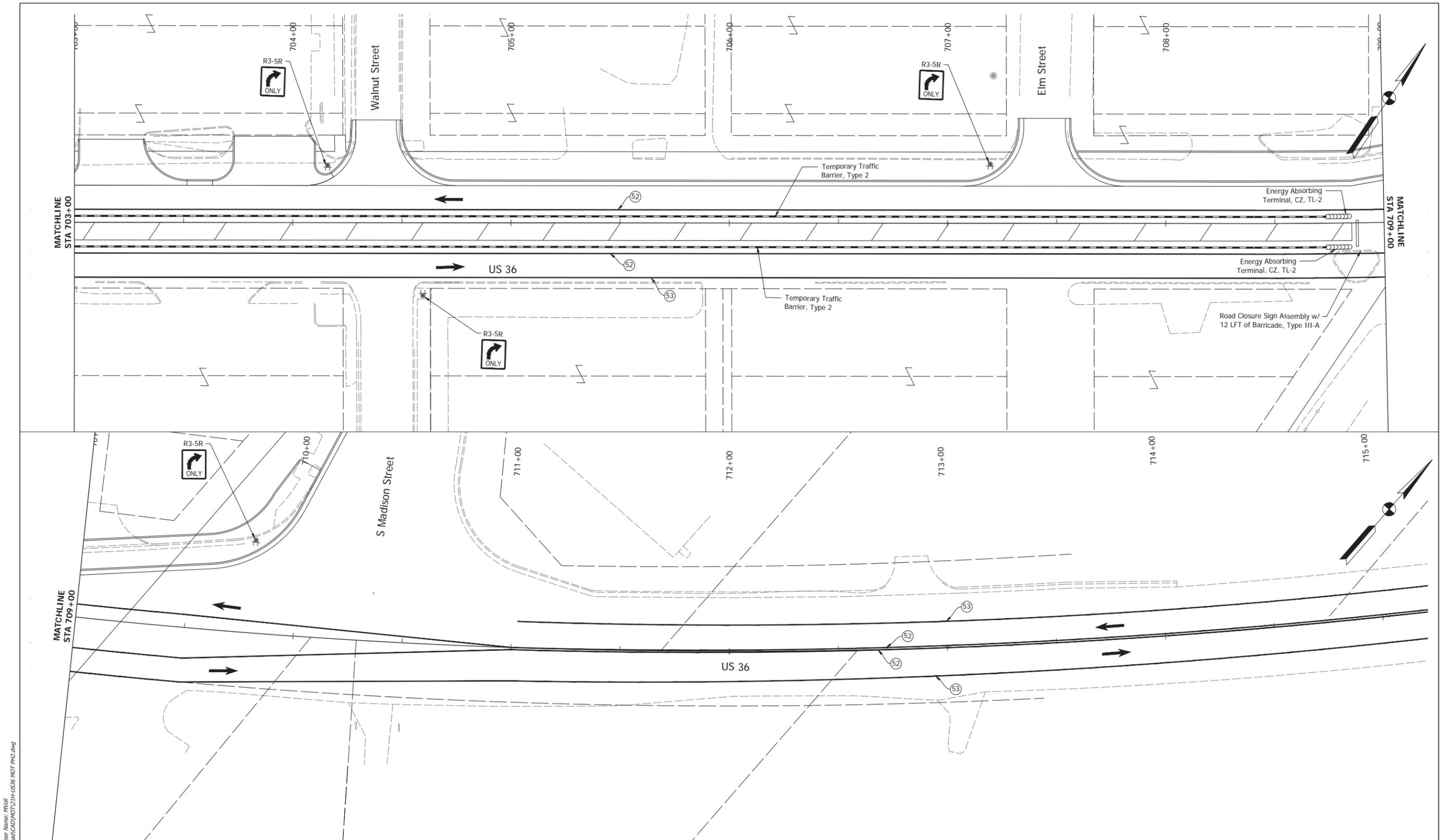
- Energy Absorbing Terminal, CZ, TL-2
- Temporary Traffic Barrier, Type 2
- Construction Area
- (52) Temporary Pavement Marking, Yellow, Removable, 4 in.
- (53) Temporary Pavement Marking, White, Removable, 4 in.

Construction Zone  
Design Speed = 30 MPH

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE ____/____/____	
DESIGNED: _____	MDV	DRAWN: _____	MDV		
CHECKED: _____	BKA	CHECKED: _____	BKA		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
**MAINTENANCE OF TRAFFIC - PHASE 2**

HORIZONTAL SCALE	1" = 20'		BRIDGE FILE	N/A
VERTICAL SCALE	N/A		DESIGNATION	1700803 & 1901985
SURVEY BOOK	ELECTRONIC		SHEET	29 of 53
CONTRACT	R-42166		PROJECT	1700803



Date: Mar 23, 2021, 12:45pm User Name: MWoll  
 File: S:\2018\18-0025\18-0025\Road\CAD\MDT\21H-US36-MOT-PA2.dwg

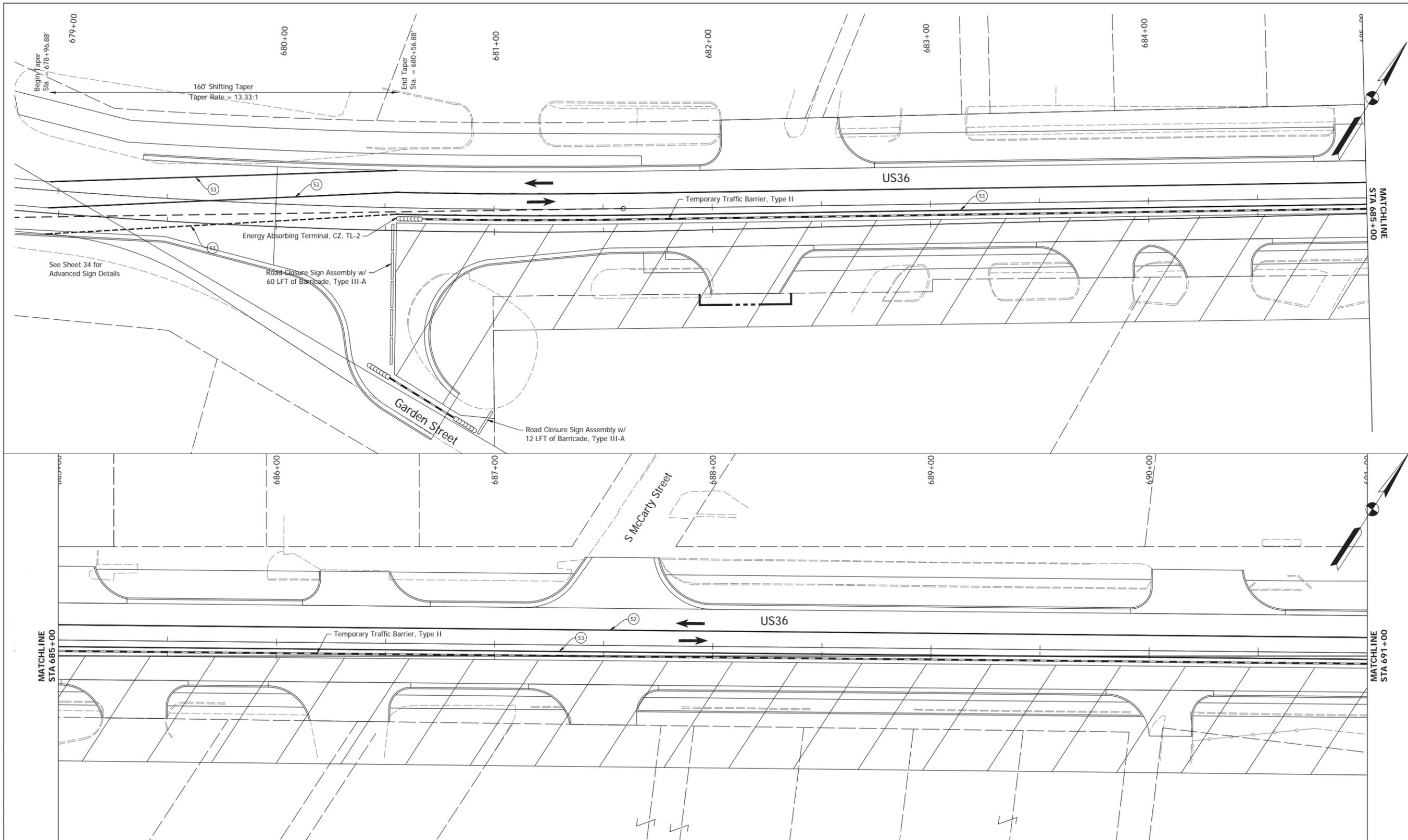
-  Energy Absorbing Terminal, CZ, TL-2
-  Temporary Traffic Barrier, Type 2
-  Construction Area
-  (52) Temporary Pavement Marking, Yellow, Removable, 4 in.
-  (53) Temporary Pavement Marking, White, Removable, 4 in.

Construction Zone  
Design Speed = 30 MPH

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE: --/--	
DESIGNED: _____	MDV	DRAWN: _____	MDV		
CHECKED: _____	BKA	CHECKED: _____	BKA		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**  
  
**MAINTENANCE OF TRAFFIC - PHASE 2**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	30 of 53
CONTRACT	PROJECT
R-42166	1700803



- Energy Absorbing Terminal, CZ, TL-2
- Temporary Traffic Barrier, Type 2
- Construction Area
- (52) Temporary Pavement Marking, Yellow, Removable, 4 in.
- (53) Temporary Pavement Marking, White, Removable, 4 in.

Construction Zone  
Design Speed = 30 MPH

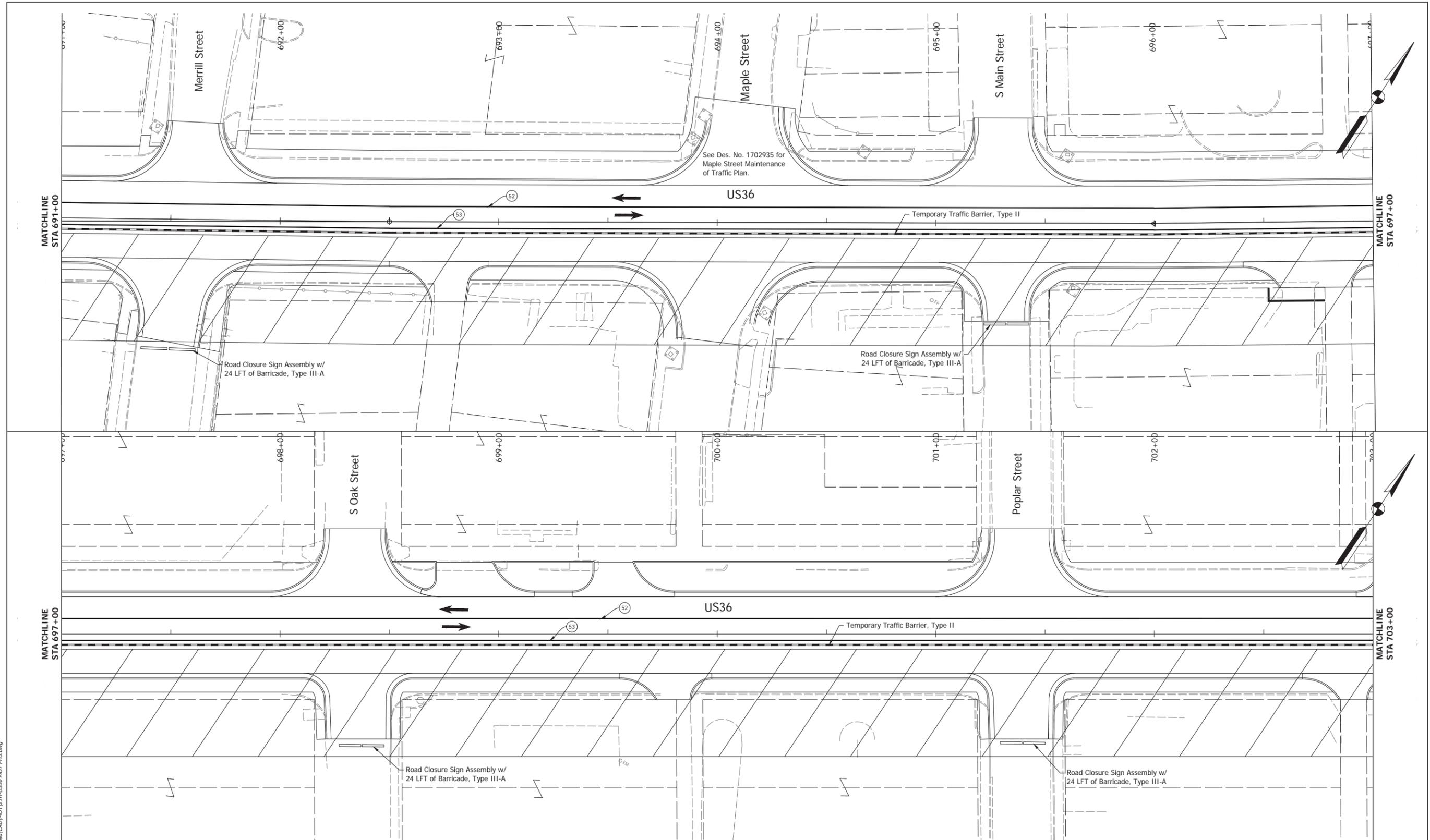
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE ____/____/____	
DESIGNED: _____	MDV	DRAWN: _____	MDV		
CHECKED: _____	BKA	CHECKED: _____	BKA		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC - PHASE 3**

HORIZONTAL SCALE	BRIDGE FILE	
1"=20'	N/A	
VERTICAL SCALE	DESIGNATION	
N/A	1700803 & 1901985	
SURVEY BOOK	SHEET	
ELECTRONIC	31	of 53
CONTRACT	PROJECT	
R-42166	1700803	

Date: Mar 23, 2021, 12:46pm User Name: MWJ  
File: S:\2018\18-0015\21H\Road\CAD\MDT\21H-US36-MOT-PA3.dwg



See Des. No. 1702935 for  
Maple Street Maintenance  
of Traffic Plan.

Road Closure Sign Assembly w/  
24 LFT of Barricade, Type III-A

Road Closure Sign Assembly w/  
24 LFT of Barricade, Type III-A

Road Closure Sign Assembly w/  
24 LFT of Barricade, Type III-A

Road Closure Sign Assembly w/  
24 LFT of Barricade, Type III-A

Date: Mar 23, 2021, 12:47pm User Name: MWJ  
File: S:\2018\18-0015\21\Road\CAD\MDT\21R-US36-MOT-PA3.dwg

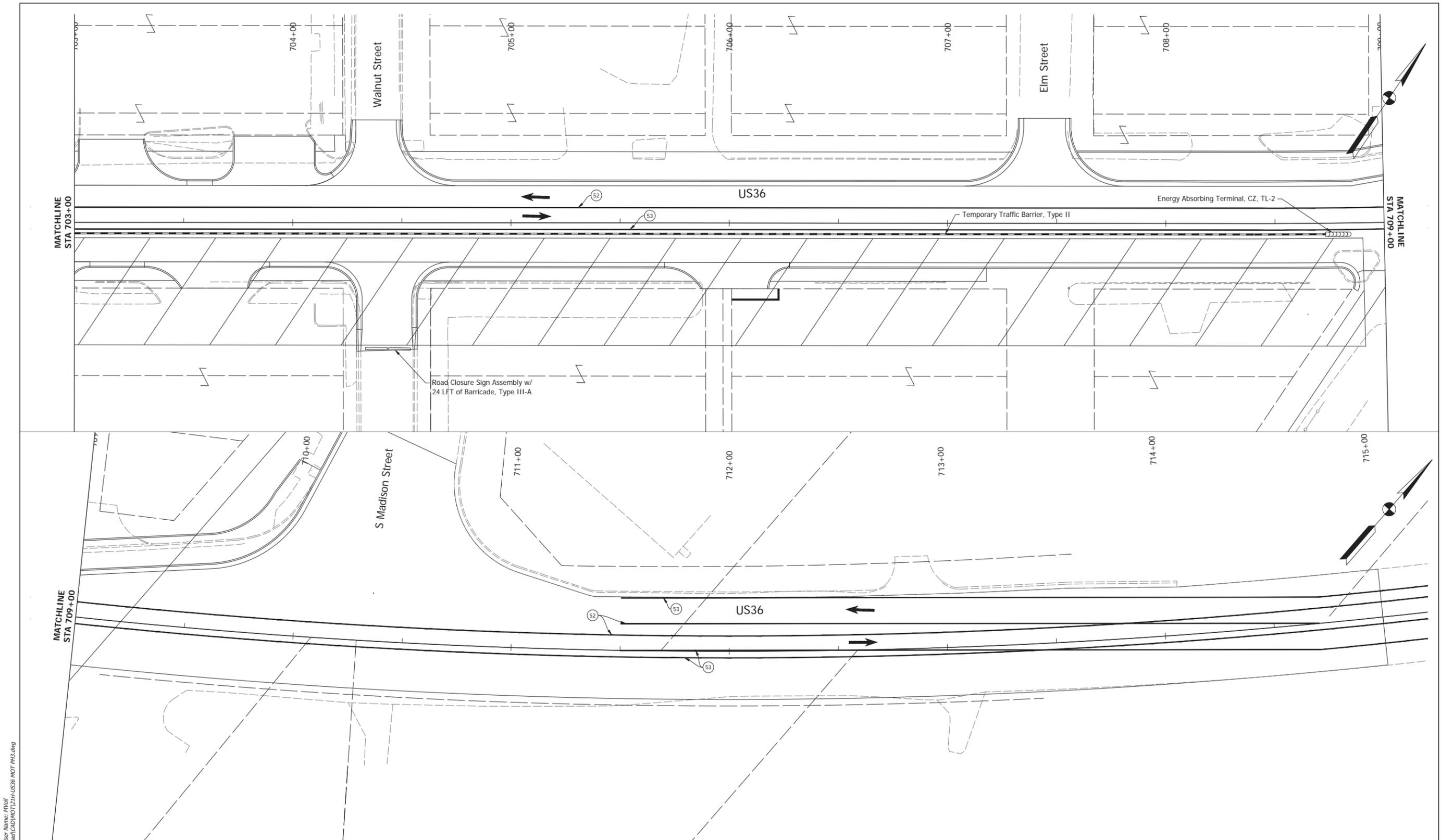
- Energy Absorbing Terminal, CZ, TL-2
- Temporary Traffic Barrier, Type 2
- Construction Area
- Temporary Pavement Marking, Yellow, Removable, 4 in.
- Temporary Pavement Marking, White, Removable, 4 in.

Construction Zone  
Design Speed = 30 MPH

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE ____/____/____	
DESIGNED: _____	MDV	DRAWN: _____	MDV		
CHECKED: _____	BKA	CHECKED: _____	BKA		

INDIANA DEPARTMENT OF TRANSPORTATION	
<b>MAINTENANCE OF TRAFFIC - PHASE 3</b>	

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	32 of 53
CONTRACT	PROJECT
R-42166	1700803



Date: Mar 23, 2021, 12:48pm User Name: MWJ  
File: S:\2018\18-0015\21\Road\CAD\MDT\21H-US36-MDT-TRF.dwg

- Energy Absorbing Terminal, CZ, TL-2
- Temporary Traffic Barrier, Type 2
- Construction Area
- Temporary Pavement Marking, Yellow, Removable, 4 in.
- Temporary Pavement Marking, White, Removable, 4 in.

Construction Zone  
Design Speed = 30 MPH

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE: --/--	
DESIGNED: _____	MDV	DRAWN: _____	MDV		
CHECKED: _____	BKA	CHECKED: _____	BKA		

**INDIANA**  
DEPARTMENT OF TRANSPORTATION

**MAINTENANCE OF TRAFFIC - PHASE 3**

HORIZONTAL SCALE	BRIDGE FILE
1"=20'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	33 of 53
CONTRACT	PROJECT
R-42166	1700803



XW20-1



XW2-6



W3-5

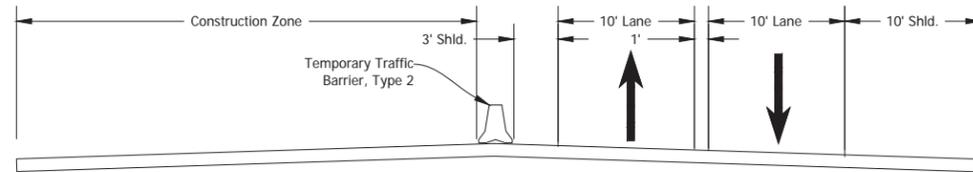


R2-1



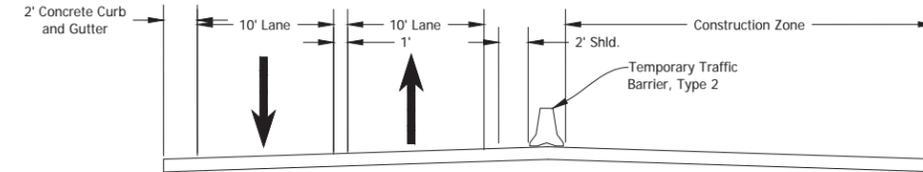
**Advanced Sign Detail**

Outside Shoulder  
N.T.S



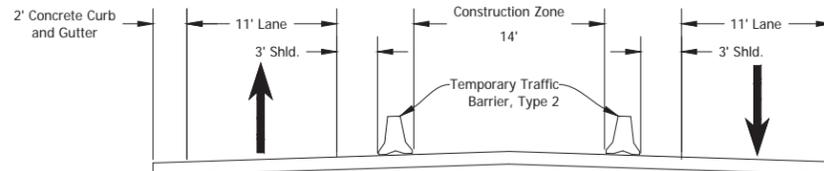
**Maintenance of Traffic Typical - Phase 1**

N.T.S



**Maintenance of Traffic Typical - Phase 3**

N.T.S



**Maintenance of Traffic Typical - Phase 2**

N.T.S

Date: Mar 23, 2021, 12:49pm User Name: M101  
File: S:\\_2018\218-075\218\Road\CAD\MDT\Maintenance of Traffic Details.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: JAG	
CHECKED: BKA	CHECKED: BKA	

INDIANA DEPARTMENT OF TRANSPORTATION	
<b>MAINTENANCE OF TRAFFIC DETAILS</b>	

SCALE	BRIDGE FILE
1"=20'	N/A
	DESIGNATION
N/A	1700803 & 1901985
SURVEY BOOK	SHEETS
	34 of 53
CONTRACT	PROJECT
R-42166	1700803

PROJECT	DESIGNATION
1702935	1702935
CONTRACT	BRIDGE FILE
T-41903	N/A

# INDIANA DEPARTMENT OF TRANSPORTATION

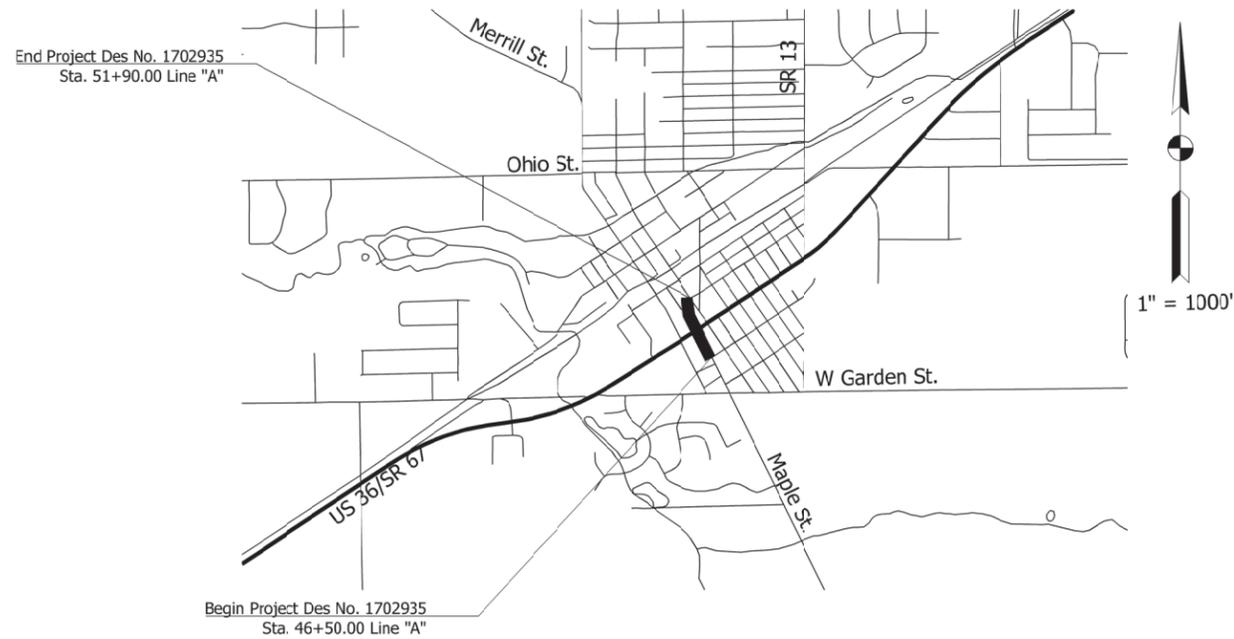


## RIGHT-OF-WAY PLANS

ROUTE: MAPLE ST. FROM: Sta. 46+50 TO: Sta. 51+90  
 PROJECT NO. 1702935 R/W  
 LAND ACQ. CODE: 7339  
 DES. NO. 1702935 CONST.

Gross Length: 0.102 MILES  
 Net Length: 0.102 MILES  
 Maximum Grade: 1.65%

Project Description:  
 Intersection Improvement at US36 and Maple St. in Section 9 and 10, Township 17N,  
 Range 6E, Vernon Township, Hancock County, Indiana.



TRAFFIC DATA		
A.A.D.T. (2022)		7,313 V.P.D.
A.A.D.T. (2042)		8,923 V.P.D.
D.H.V. (2042)		1,065 V.P.H.
DIRECTIONAL DISTRIBUTION		50/50 %
TRUCKS		4% A.A.D.T. 4% D.H.V.
DESIGN DATA		
DESIGN SPEED		30 M.P.H.
PROJECT DESIGN CRITERIA		RECONSTRUCTION
FUNCTIONAL CLASSIFICATION		MAJOR COLLECTOR
RURAL/URBAN		URBAN
TERRAIN		LEVEL
ACCESS CONTROL		NONE



BOP LATITUDE: 39°55'49" N BOP LONGITUDE: 85°50'50" W  
 EOP LATITUDE: 39°55'54" N EOP LONGITUDE: 85°50'53" W

BRIDGE LENGTH:	N/A	MI.
ROADWAY LENGTH:	0.102	MI.
TOTAL LENGTH:	0.102	MI.
MAX. GRADE:	1.65%	%

HUC 14 Code: 05120201100120

INDIANA DEPARTMENT OF TRANSPORTATION  
 STANDARD SPECIFICATIONS DATED 2022  
 TO BE USED WITH THESE PLANS

Date: Aug 10, 2021, 10:55am User Name: M/Mall File: S:\2018\12-18-07\1702935\Road\CD\Misc\DWG\SR Title - RW.dwg

112 W. Jefferson Blvd., Suite 500  
 South Bend, Indiana 46601  
 PHONE: 574.334.5460  
 TOLL FREE: 800.423.7411

PLANS PREPARED BY:	Lochmueller Group, Inc.	(317) 222-3880
		PHONE NUMBER
CERTIFIED BY:		DATE
APPROVED FOR LETTING:		DATE
	INDIANA DEPARTMENT OF TRANSPORTATION	

	BRIDGE FILE	
	N/A	
	DESIGNATION	
	1702935	
SURVEY BOOK	SHEET	
ELECTRONIC	1 of 16	
CONTRACT	PROJECT	
T-41903	1702935	

202104844 SURV \$25.00  
 03/25/2021 11:00:47A 1 PGS  
 Marcia R. Moore  
 Hancock County Recorder IN  
 Recorded as Presented

**SURVEYOR'S REPORT**

ROUTE SURVEY for side-street improvements along Maple Street, near the intersection of Maple Street with U.S. Route 36, in the Town of Fortville, Indiana.  
 OWNER/CLIENT: Indiana Department of Transportation  
 INDOT DES. NO.: 1702935  
 LOCATED in the Town of Fortville, in Section 9 Township 17 North, Range 6 East, in Vernon Township, Hancock County Indiana.

The purpose of this survey is to collect data for the design of a road improvement project, and to provide a basis of describing any right-of-way needed for the project. It is not a property retracement survey.

PREVIOUS SURVEY: U.S. Route 36 in this area, along with about 300 feet of Maple Street, was surveyed by Christopher H. Phillips of SJCA Engineers and Surveyors in 2019, with the Location Control Route Survey recorded as Instrument 201913481 in the office of the Recorder of Hancock County. This present survey is a supplement to said SJCA survey, and is based on the same coordinate system. The apparent existing right-of-way along Maple Street as shown on this present survey varies somewhat from the SJCA survey, due mainly to poorly documented subdivision plats in the area and the lack of reliable monumentation.

Using the VRS-Now RTN Network to establish coordinates at point 1400 of this survey. A local base was then established at point 1400 and ties were made to Points 10006 and 10015 of said SJCA survey. These checked within the expected accuracy of this survey.

HORIZONTAL DATUM: Unless noted otherwise, all bearings, distances, areas, and coordinates shown hereon are based on the Indiana Geospatial Coordinate System's (InGCS) "Hancock" zone per NAD 83 (2011) epoch 2010.00 and are reported in U.S. Survey Feet and decimal parts thereof. The "Hancock" zone was developed to minimize the differences between ground measured horizontal distances and the corresponding grid coordinate (map) distances within the county bearing this zone's name.

InGCS "Hancock" Zone Parameters (also available at <http://www.in.gov/indat/InGCS.htm>)  
 Geometric Datum: NAD 83(2011) epoch 2010.00  
 Projection Type: Transverse Mercator  
 Central Meridian: 85°48'00" west longitude  
 Central Meridian scale factor: 1.000036  
 Latitude of Grid Origin: 39°30'00" north latitude  
 False Northing: 36,000,000 m (118,110.00 U.S.Ft)  
 False Easting: 240,000,000 m (787,400.00 U.S.Ft)

ALIGNMENT: Line "E" as shown hereon is Line "E" as shown on the above-described SJCA Location Control Route Survey.

Line "Maple" as shown hereon is an original alignment, generally established using splits of curb lines in the area. Line "Maple" is not intended to represent the center line of the existing right-of-way along Maple Street, but may provide evidence of said center line.

EQUATION TO ALIGNMENT ALONG MAIN STREET:  
 Upon returning to the site to stake alignment in January, 2021, an alignment had been staked along Main Street by others. Ties were made to several of the centerline mag nails (marked with stationing) and an equation is provided to said alignment.

SECTION LINES AND CORNERS: Being on the same coordinate system as the SJCA Survey, no attempt was made to tie to section corners. Section corners are shown on the SJCA Survey.

EXISTING RIGHT-OF-WAY: The existing right-of-way of Maple Street was apparently established by platting (i.e. no other records were found regarding the existing right-of-way). The plot of Records and Voorises Addition only shows 40' of road right-of-way. The plot of Merrills and Hagans Correction does not specify a width, but the road width appears to scale somewhat wider.

Lot lines along the eastern side of Maple Street were established using found monuments within Block N of said Records and Voorises Addition. This eastern boundary of Maple was projected northerly, and plot dimensions from the two plats mentioned above were used to approximate the bend in the street boundary.

Offsetting the eastern boundary by 40 feet did not take in the apparent city improvements of streets and sidewalks. A best-fit line was placed along the approximate back of walk in calculating the apparent western boundary of Maple Street.

The resulting boundaries of Maple Street are estimated to be plus or minus 10 feet, due to the lack of reliable monumentation in the area and the poorly documented plats.

#506  
 P.O.T. 53+99.02 Line "Maple"  
 Set Mag Nail w/ FIRM 0030 Washer  
 N 220979.7958  
 E 773846.0991

#503  
 P.I. 52+21.49 Line "Maple"  
 Calculated Point (No Monument)  
 Delta = 25°31'43" Rt.  
 R = 125.00'  
 T = 28.32'  
 L = 55.69'  
 E = 3.17'  
 N 220801.3426  
 E 773848.7058

P.O.T. 53+99.97 Line "Maple"  
 = P.O.T. 63+67.81 of alignment staked along Main Street (by others)  
 Calc. Point (No Monument)  
 Delta = 33°04'27" Lt. from "Maple" to alignment along Main Street

#504  
 P.T. 52+48.86 Line "Maple"  
 Set Mag Nail w/ FIRM 0030 Washer  
 N 220829.6570  
 E 773848.2922

#502  
 P.C. 51+93.17 Line "Maple"  
 Set Mag Nail w/ FIRM 0030 Washer  
 N 220775.9708  
 E 773861.2814

#501  
 P.O.T. 50+00.00 Line "Maple"  
 = P.O.T. 694+04.24 Line "E"  
 Delta = 83°15'39" Lt. from "E" to "Maple"  
 Calculated Point (No Monument)  
 N 220602.8988  
 E 773947.0652

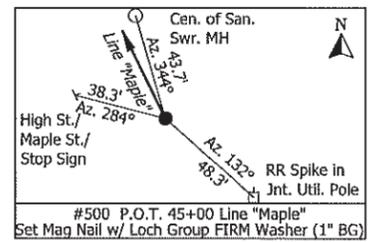
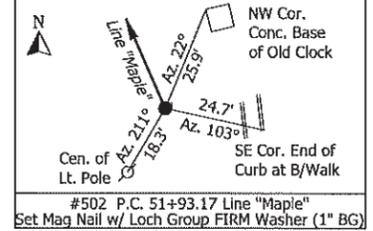
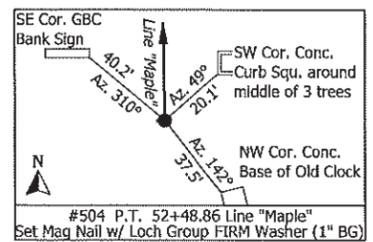
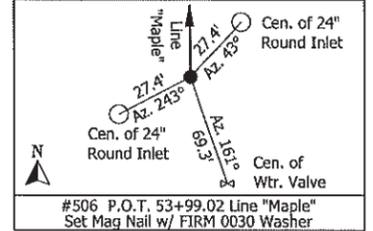
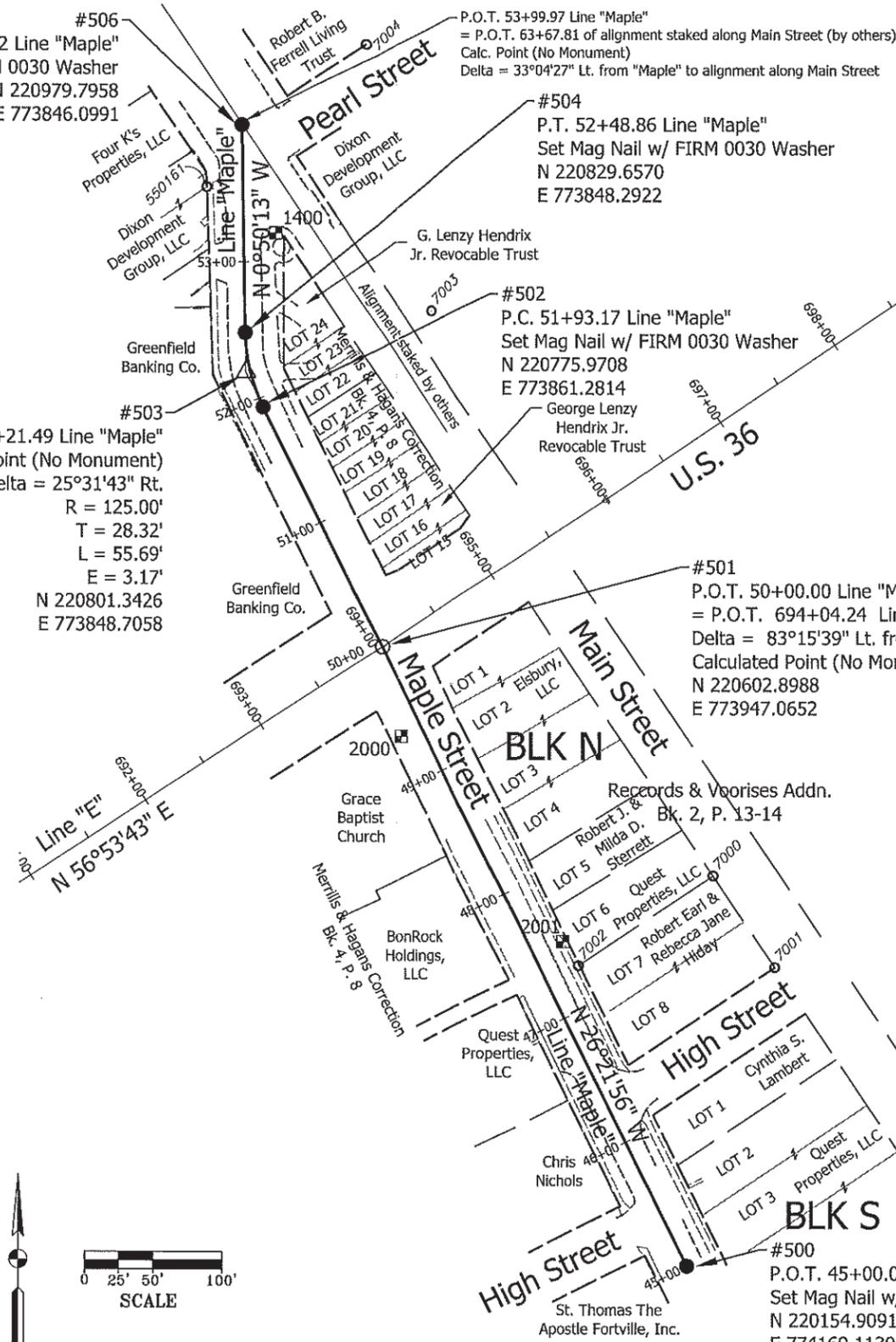
#500  
 P.O.T. 45+00.00 Line "Maple"  
 Set Mag Nail w/ FIRM 0030 Washer  
 N 220154.9091  
 E 774169.1130

COORDINATE LISTING: RANDOM CONTROL POINTS

PT.#	NORTHING	EASTING	DESCRIPTION
1400	220901.647	773870.681	SET MAG NAIL IN BRICK JOINT
2000	220537.983	773960.886	SET MAG NAIL IN CONC. JOINT
2001	220389.577	774079.181	SET MAG NAIL

COORDINATE LISTING: PROPERTY AND SECTION CORNER EVIDENCE FOUND

PT.#	NORTHING	EASTING	DESCRIPTION
7000	220437.159	774188.102	FND. 5/8" REBAR W/ ILLEGIBLE CAP 12" AG
7001	220370.970	774232.877	FND. REBAR W/ MILLER CAP FLUSH
7002	220372.139	774090.458	FND. REBAR W/MILLER S80083 CAP 2" BG
7003	220845.989	773983.693	FND. 1" ODIP FLUSH
7004	221038.826	773936.369	FND. POSSIBLE DRILL HOLE
550961	220934.903	773820.409	FND. REBAR W. ACCURA CAP



**LEGEND**

- MONUMENTED BASELINE CONTROL POINT
- △ CALCULATED BASELINE POINT (NO MONUMENT)
- 7000 PROPERTY / SECTION CORNER EVIDENCE
- 2000 RANDOM CONTROL POINT

**SOCIAL SECURITY REDACTION STATEMENT**  
 I affirm, under the penalties for perjury, that I have taken reasonable care to redact each social security number in this document, unless required by law.  
 Perry E. Jones  
 This document prepared by Perry E. Jones

**LOCHMUELLER GROUP**  
 Prepared By: LOCHMUELLER GROUP, INC.  
 6200 Vogel Road, Evansville, IN 47715 812-478-8200  
 Toll Free 1-800-423-7411 Fax 812-478-8262

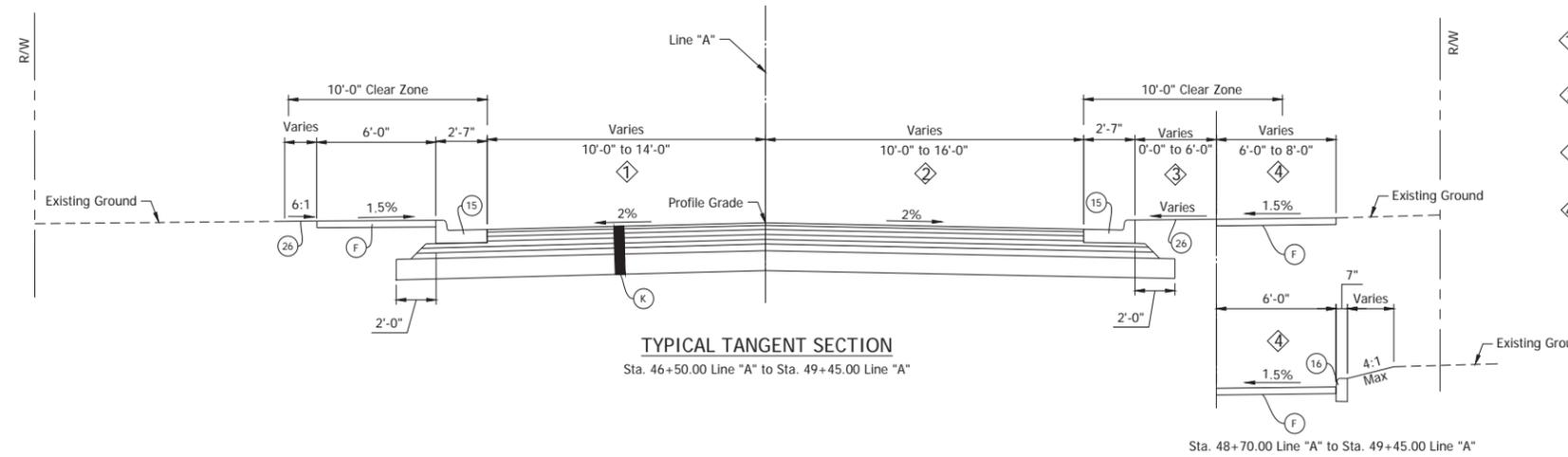
**SURVEY STARTED**  
 10/19/2020  
**SURVEY COMPLETED**  
 01/25/2021  
**ROUTE PLAT SHEETS**  
 1 of 1  
**SURVEYOR'S PROJECT NO.**  
 218-0015-40H

**FIELD SURVEYOR STATEMENT**  
 I, Perry E. Jones, do hereby certify that I am a duly licensed and registered Professional Land Surveyor in the State of Indiana, No. 9800016.  
 I have personally supervised and participated in the field work of this survey.  
 I have read and approved the contents of this report.  
 Recommended for Approval: 2/1/2021  
 Perry E. Jones  
 REGISTERED LAND SURVEYOR FIELD SITE

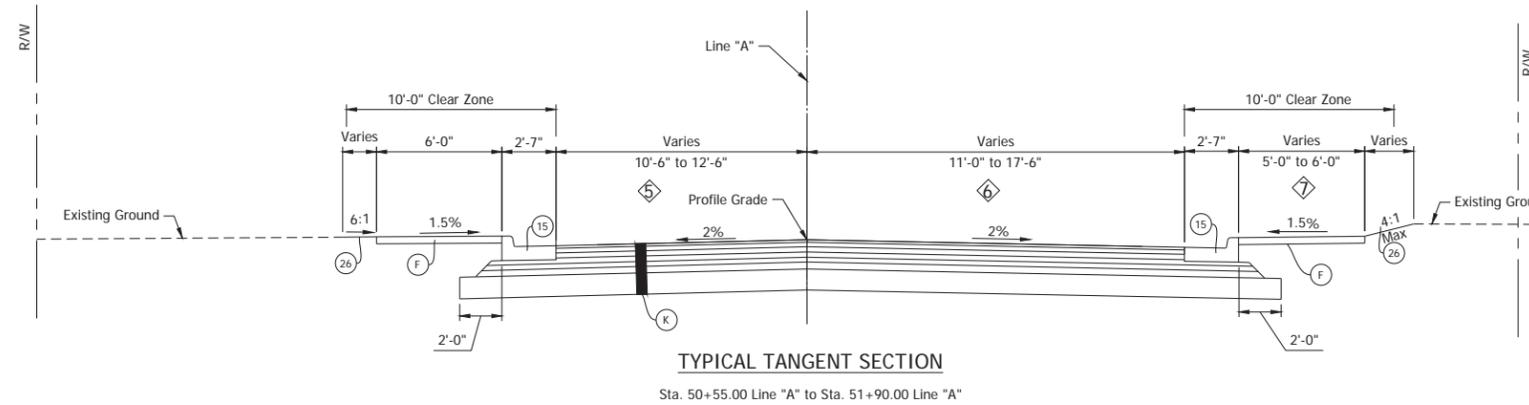


Prepared for the  
**INDIANA DEPARTMENT OF TRANSPORTATION**  
**LOCATION CONTROL ROUTE SURVEY**  
**Maple Street at U.S. 36 in Fortville, Indiana**

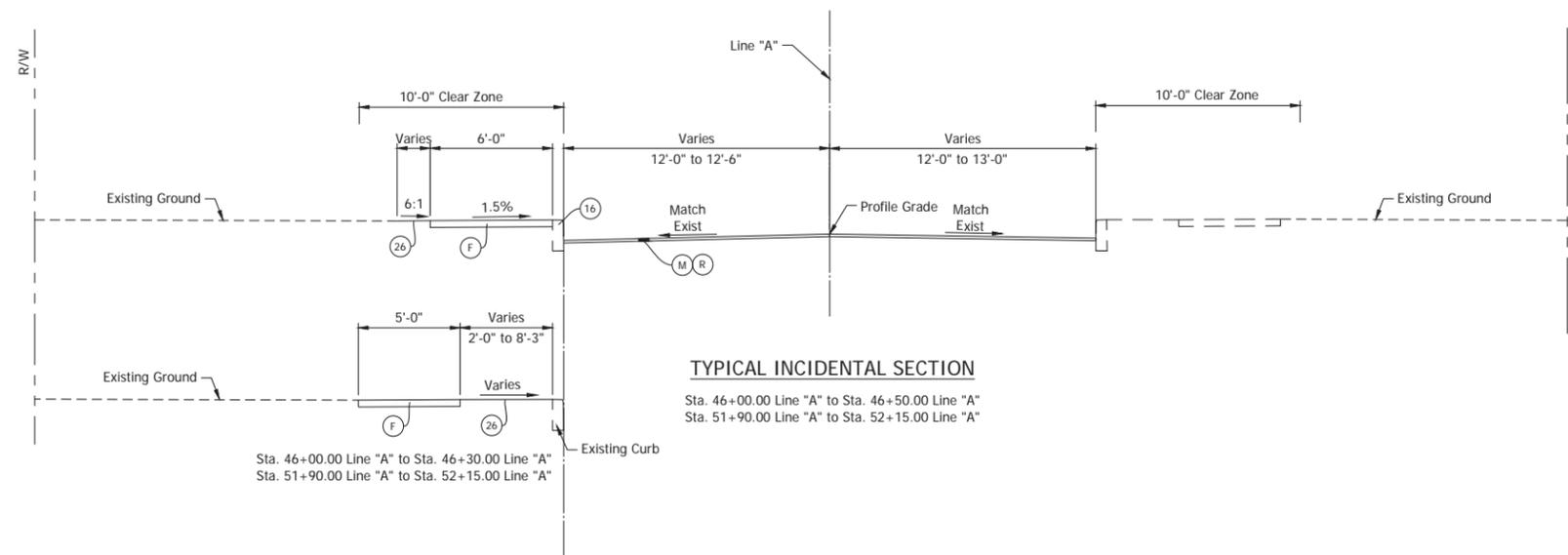
HORIZONTAL SCALE	BRIDGE FILE
1" = 50'	
COUNTY	DESIGNATION
HANCOCK	1702935
SURVEY BOOK	PLAN SHEETS
DIGITAL	3 of 16
CONTRACT	PROJECT
	1702935



- ① Varies 10'-0" @ Sta. 46+50.00 Line "A" to 14'-0" @ Sta. 47+65.00 Line "A"  
14'-0" @ Sta. 47+65.00 Line "A" to Sta. 49+45.00 Line "A"
- ② Varies 10'-0" @ Sta. 46+50.00 Line "A" to 16'-0" @ Sta. 47+65.00 Line "A"  
16'-0" @ Sta. 47+65.00 Line "A" to Sta. 49+45.00 Line "A"
- ③ Varies 6'-0" @ Sta. 46+50.00 Line "A" to 2'-0" @ Sta. 47+32.75 Line "A"  
0'-0" @ Sta. 47+32.75 Line "A" to Sta. 49+45.00 Line "A"
- ④ 6'-0" @ Sta. 46+50.00 Line "A" to Sta. 47+32.75 Line "A"  
Varies 8'-0" @ Sta. 47+32.75 Line "A" to Sta. 47+65.00 Line "A"  
0'-0" @ Sta. 47+65.00 Line "A" to Sta. 49+45.00 Line "A"



- ⑤ 12'-6" @ Sta. 50+55.25 Line "A" to Sta. 50+90.00 Line "A"  
Varies 12'-6" @ Sta. 51+90.00 Line "A" to 10'-6" @ Sta. 51+90.00 Line "A"
- ⑥ 17'-6" @ Sta. 50+55.25 Line "A" to Sta. 50+90.00 Line "A"  
Varies 17'-6" @ Sta. 51+90.00 Line "A" to 11'-0" @ Sta. 51+90.00 Line "A"
- ⑦ 5'-0" @ Sta. 50+55.25 Line "A" to Sta. 51+32.75 Line "A"  
6'-0" @ Sta. 51+32.75 Line "A" to Sta. 51+90.00 Line "A"

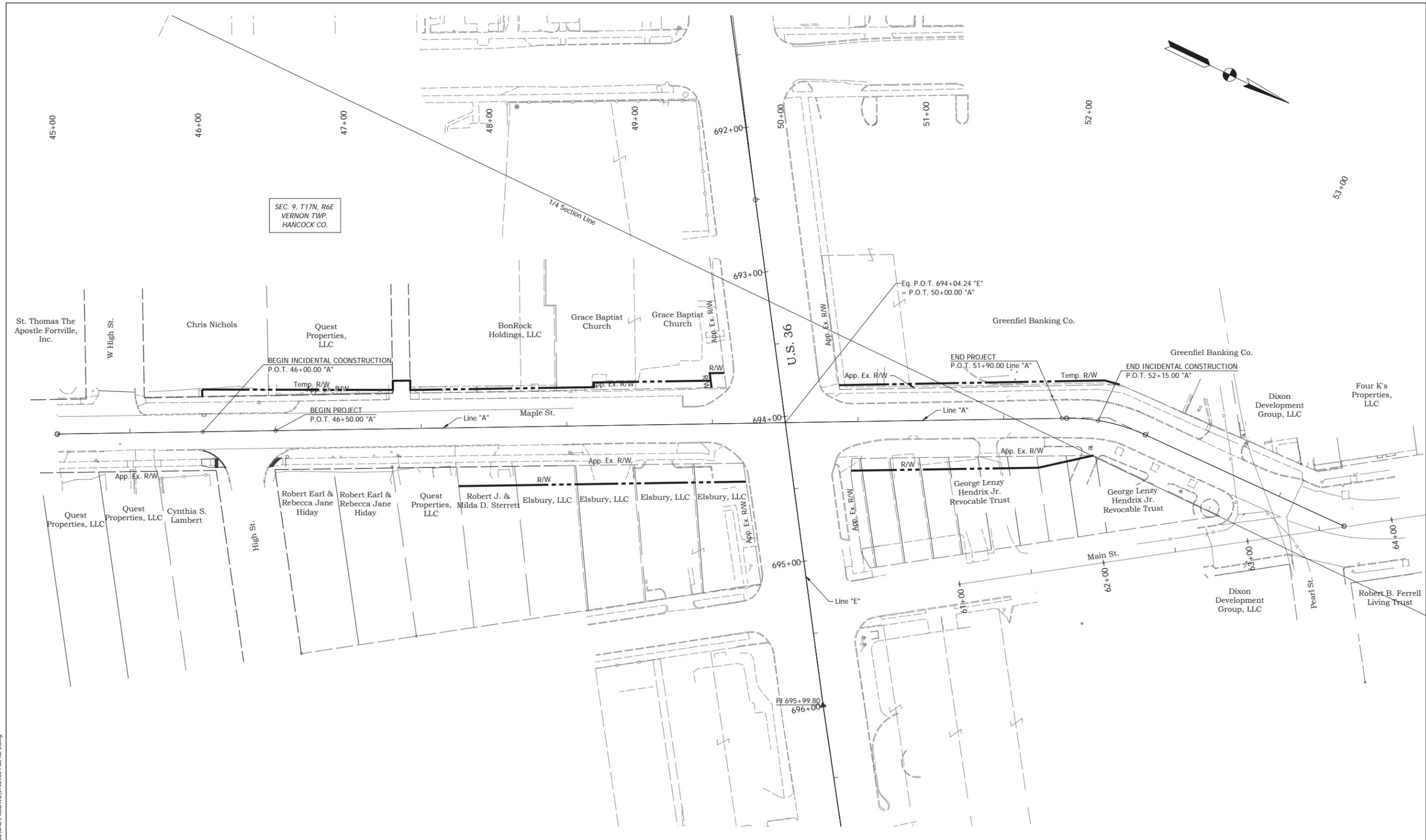
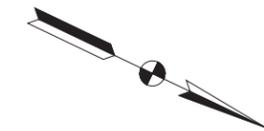


- (K) 165 LB/SYS QC/QA HMA, 3, 70, surface, 9.5 mm on  
275 LB/SYS QC/QA HMA, 3, 70, Intermediate, 19.0 mm on  
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on  
330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on  
300 LB/SYS QC/QA HMA, 4, 76, Intermediate, OG, 19.0 mm on  
4 IN Compacted Aggregate, No. 53 on  
Subgrade Treatment, Type ID
- (F) Sidewalk, Concrete
- (15) Curb and Gutter, Concrete
- (16) Curb, Concrete
- (26) Sodding
- (M) Milling, Asphalt, 1 1/2 IN.
- (R) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MMT	DRAWN: MMT	
CHECKED: BKA	CHECKED: BKA	

INDIANA DEPARTMENT OF TRANSPORTATION	
TYPICAL SECTIONS	

HORIZONTAL SCALE	BRIDGE FILE
1/4" = 1'-0"	N/A
VERTICAL SCALE	DESIGNATION
1/4" = 1'-0"	1702935
SURVEY BOOK	SHEET
ELECTRONIC	4 of 16
CONTRACT	PROJECT
T-41903	1702935



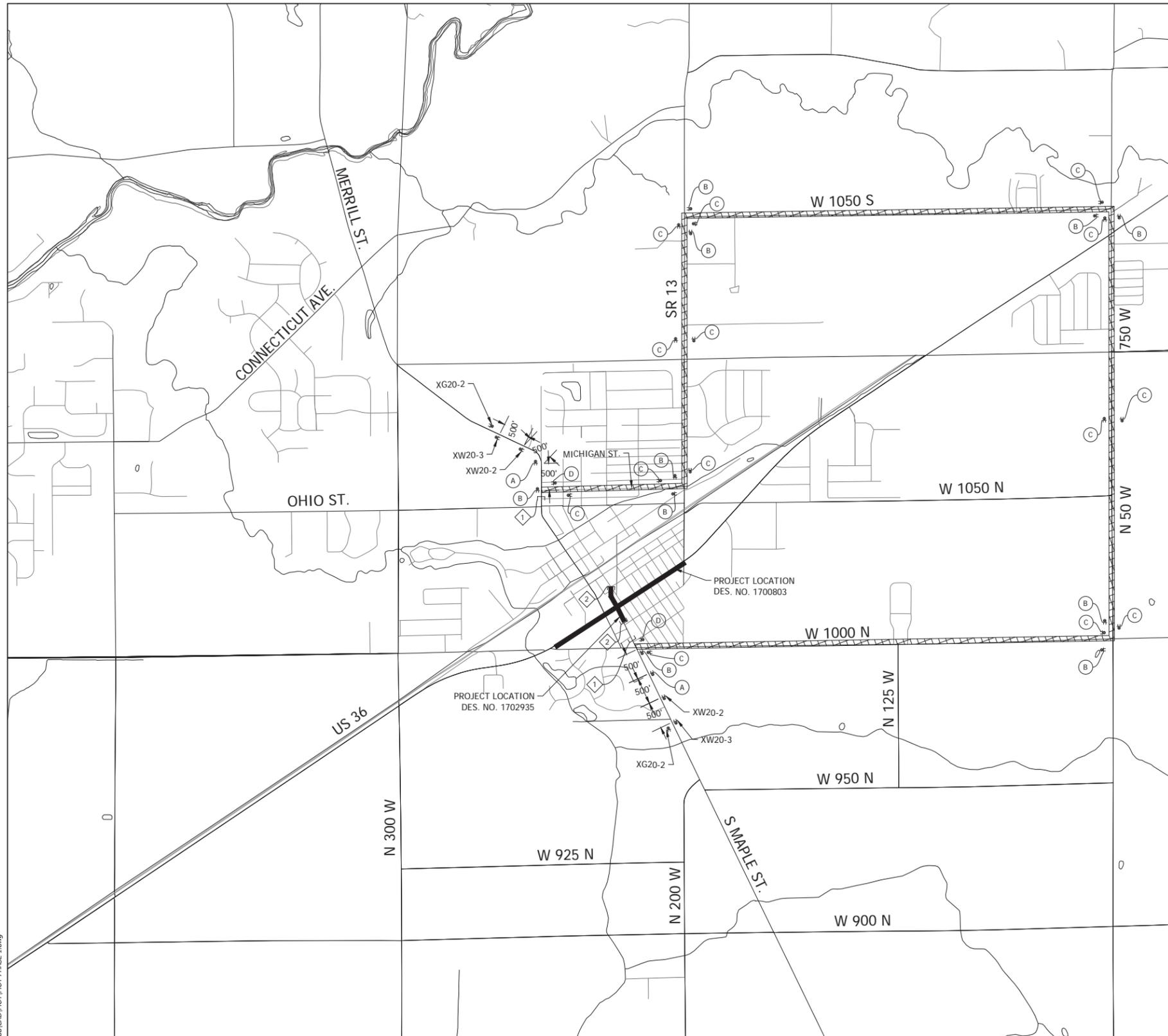
Date: Aug 10, 2021, 10:38am User Name: MWolf  
File: S:\\_2018\218-0015\HRH\Road\CAD\Misc\DWG\1702935 Plat No 1.dwg

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MMT	DRAWN: MMT	
CHECKED: BKA	CHECKED: BKA	

INDIANA  
DEPARTMENT OF TRANSPORTATION

PLAT NO. 1

HORIZONTAL SCALE	BRIDGE FILE
1" = 30'	N/A
VERTICAL SCALE	DESIGNATION
N/A	1702935
SURVEY BOOK	SHEET
ELECTRONIC	5 of 16
CONTRACT	PROJECT
T-41903	1702935

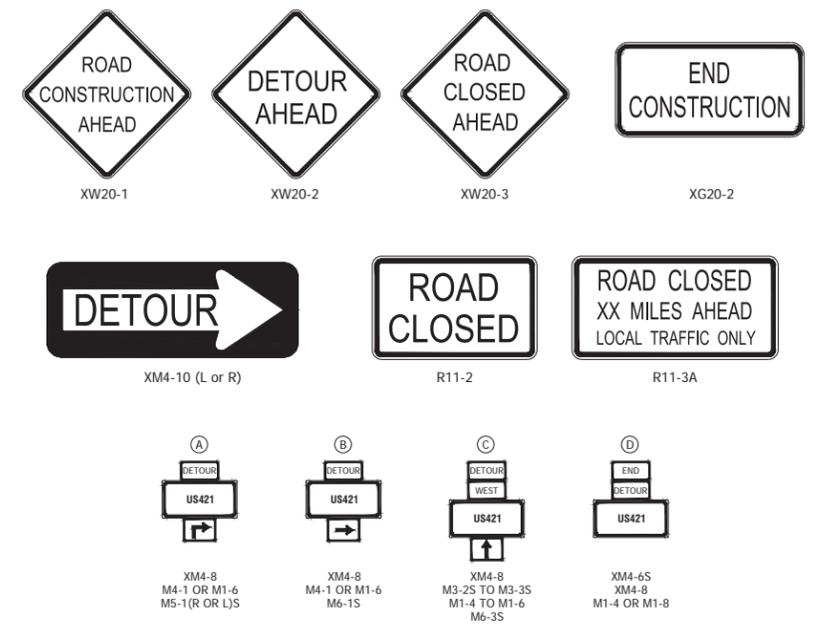


CONSTRUCTION SIGN SCHEDULE					
SIGN NO.	DESCRIPTION	SIZE (IN)	TYPE	QUANTITY	
R11-2	"ROAD CLOSED" SIGN	48 x 30	(1)	2	
R11-3A	"ROAD CLOSED XX MILES AHEAD" SIGN	60 x 30	(1)	2	
XM4-10 (L or R)	"DETOUR" SIGN	48 x 18	(1)	2	
XW20-1	"ROAD CONSTRUCTION AHEAD" SIGN	48 x 48	A	2	
XW20-2	"DETOUR AHEAD" SIGN	48 x 48	A	2	
XW20-3	"ROAD CLOSED AHEAD" SIGN	48 x 48	A	2	
XG20-2	"END CONSTRUCTION" SIGN	60 x 24	B	2	
				TOTAL TYPE "A" SIGNS	6
				TOTAL TYPE "B" SIGNS	2

Detour Route Marker Assemblies: 28 Req'd  
 Road Closure Sign Assemblies: 4 Req'd  
 Type III-A Barricades: 48 LFT  
 Type III-B Barricades: 24 LFT

(1) Included with road closure sign assembly.

LEGEND  
 Details Not to Scale



- 1. ROAD CLOSURE SIGN ASSEMBLY W/ TYPE III-B BARRICADE (12 LFT) AND R11-3A
- 2. ROAD CLOSURE SIGN ASSEMBLY W/ TYPE III-A BARRICADE (24 LFT) AND R11-2 AND XM4-10 (L OR R)
- CONSTRUCTION ZONE
- DETOUR ROUTE

GENERAL NOTES

1. All maintenance of traffic devices, signs and pavement markings shall conform to the latest edition of the Indiana MUTCD.
2. See INDOT Std. Drwg. 801-TCDD-01 for sign spacing requirements and additional notes.
3. See INDOT Std. Drwg. 801-TCLG-01 for standard notes.
4. Type B construction warning lights shall be used with all signs located on barricades. Type A construction warning lights shall be used on all other construction signs.

Date: Aug 10, 2021, 10:40am User Name: MWall File: S:\\_2018\218-0015\BPH\Road\CAD\IND\MOT\MOT PHASE 1.dwg

RECOMMENDED FOR APPROVAL _____ DESIGN ENGINEER _____ DATE _____	INDIANA DEPARTMENT OF TRANSPORTATION		HORIZONTAL SCALE 1"=1000'	BRIDGE FILE N/A
	TRAFFIC-MAINTENANCE DETAILS		VERTICAL SCALE N/A	DESIGNATION 1702935
DESIGNED: MMT	DRAWN: MMT	SURVEY BOOK		SHEET
CHECKED: BKA	CHECKED: BKA	ELECTRONIC	6	of 16
		CONTRACT T-41903	PROJECT 1702935	

SEC. 9, T17N, R6E  
VERNON TWP.  
HANCOCK CO.

St. Thomas The  
Apostle Fortville,  
Inc.

W HIGH ST.

Chris Nichols

Chris Nichols

MAPLE ST.

Quest  
Properties, LLC

Quest  
Properties, LLC

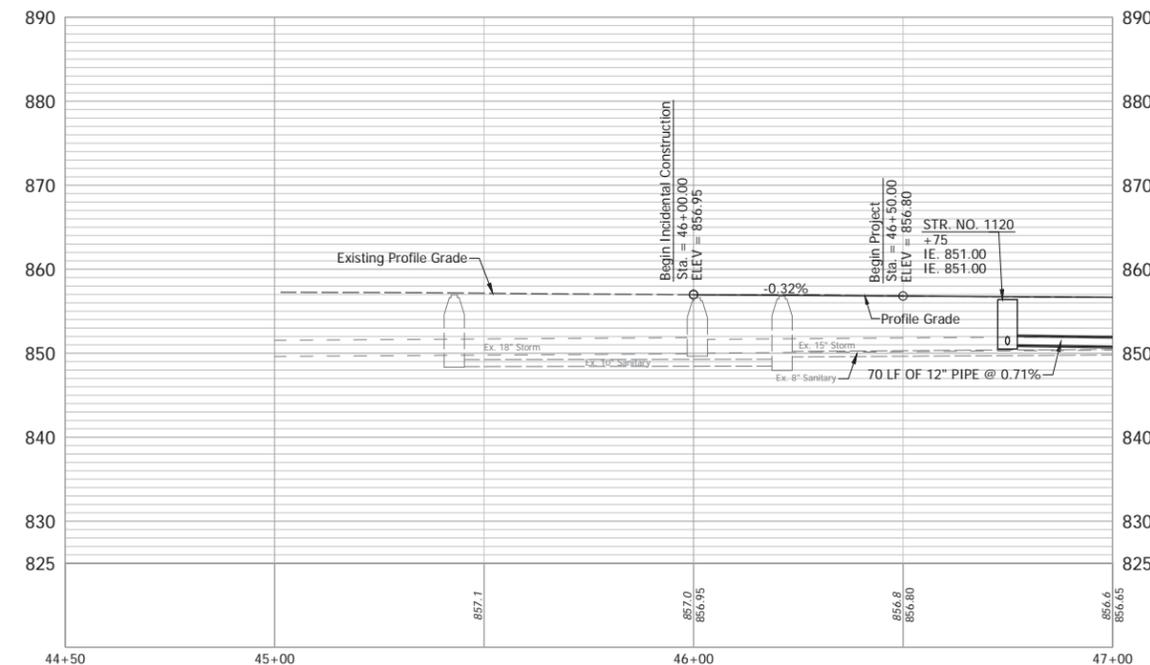
Cynthia S.  
Lambert

HIGH ST.

Robert Earl &  
Rebecca Jane  
Hiday

All R/W and Topography described from  
Line "Maple" unless otherwise noted.

BM #1 - RR SPK 12" Up On West Face PJNT  
Sta. 44+55.08, 18.0' Rt. of Line "Maple"  
Elev. 858.76  
  
BM #2 - Chiseled X On Top North Bolt Fire  
Hydrant  
Sta. 53+48.50, 50.3' Rt. of Line "Maple"  
Elev. 858.94



(K) 165 LB/SYS QC/OA HMA, 3, 70, Surface, 9.5 mm on 275 LB/SYS QC/OA HMA, 3, 70, Intermediate, 19.0 mm on 330 LB/SYS QC/OA HMA, 3, 64, Base, 19.0 mm on 330 LB/SYS QC/OA HMA, 3, 64, Base, 19.0 mm on 300 LB/SYS QC/OA HMA, 4, 76, Intermediate, OG, 19.0 mm on 4 IN Compacted Aggregate, No. 53 on Subgrade Treatment, Type ID	(CR) Curb Ramp, Concrete (F) Sidewalk, Concrete (15) Curb and Gutter, Concrete (16) Curb, Concrete (85) Casting, Adjust to Grade	(M) Milling, Asphalt, 1 1/2 IN. (R) 165 LB/SYS QC/OA-HMA, 3, 70, Surface, 9.5 mm
---	--	---

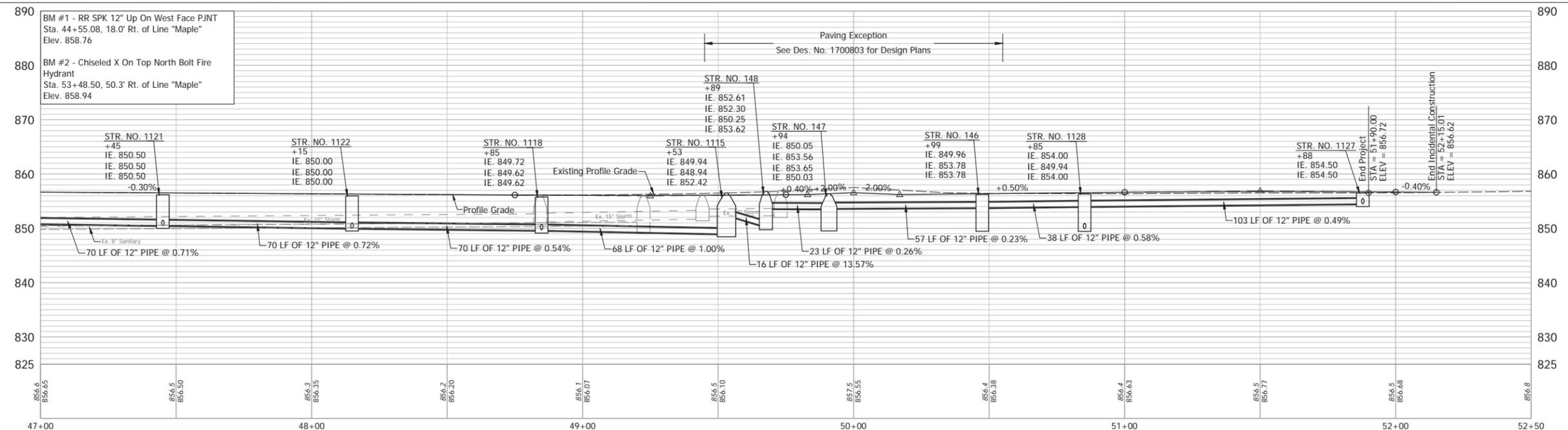
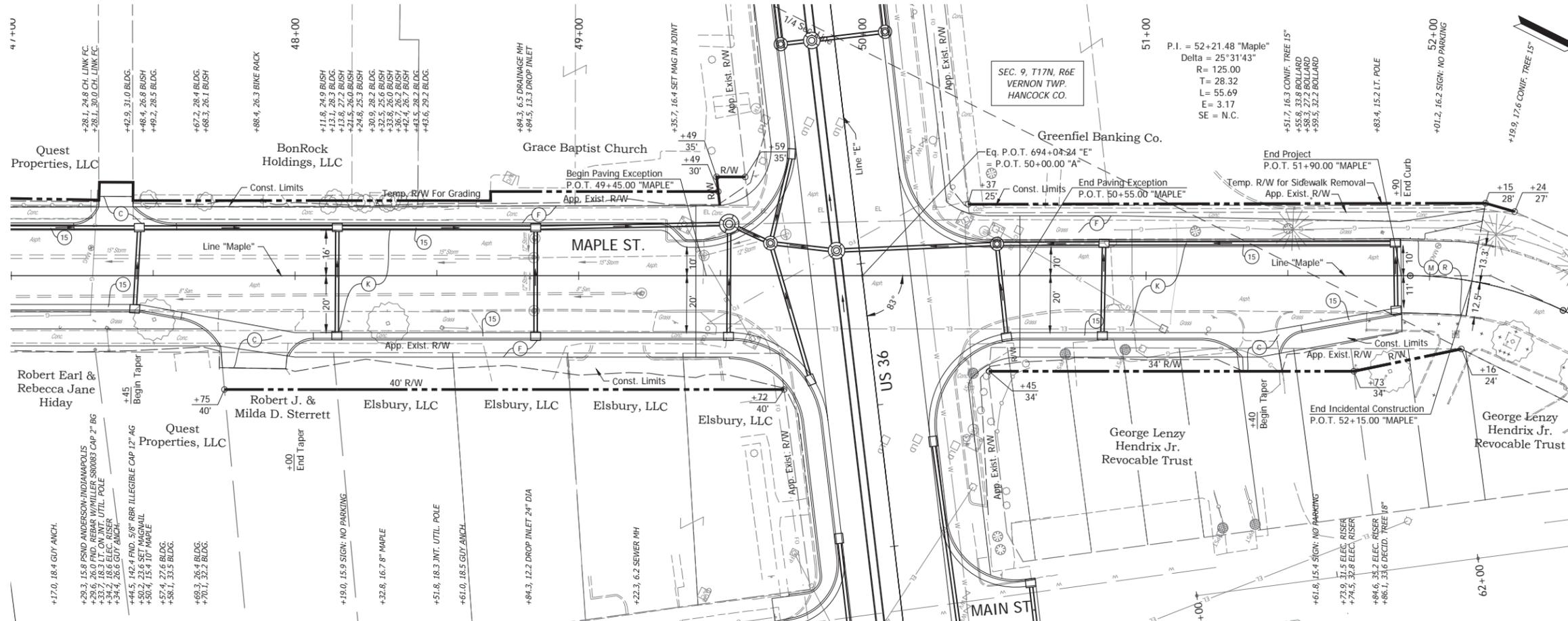
RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____ DATE ____/____/____
DESIGNED: _____ MDV	DRAWN: _____ MMT
CHECKED: _____ BKA	CHECKED: _____ BKA

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE - LINE "MAPLE"**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE 1" = 10'	DESIGNATION 1702935
SURVEY BOOK ELECTRONIC	SHEET 7 of 16
CONTRACT T-41903	PROJECT 1702935

Date: Aug 10, 2021, 10:42am User Name: M/Koll  
File: S:\2021\1702935\1702935\Road\CAD\Plan\Map\_Sheet.dwg



- (K) 165 LB/SYS QC/QA HMA, 3, 70, Surface, 9.5 mm on 275 LB/SYS QC/QA HMA, 3, 70, Intermediate, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 330 LB/SYS QC/QA HMA, 3, 64, Base, 19.0 mm on 300 LB/SYS QC/QA HMA, 4, 76, Intermediate, OG, 19.0 mm on 4 IN Compacted Aggregate, No. 53 on Subgrade Treatment, Type ID
- (C) PCCP for Approaches, 6 IN.
- (F) Sidewalk, Concrete
- (15) Curb and Gutter, Concrete
- (16) Curb, Concrete
- (M) Milling, Asphalt, 1 1/2 IN.
- (R) 165 LB/SYS QC/QA-HMA, 3, 70, Surface, 9.5 mm

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MMT	
CHECKED: BKA	CHECKED: BKA	

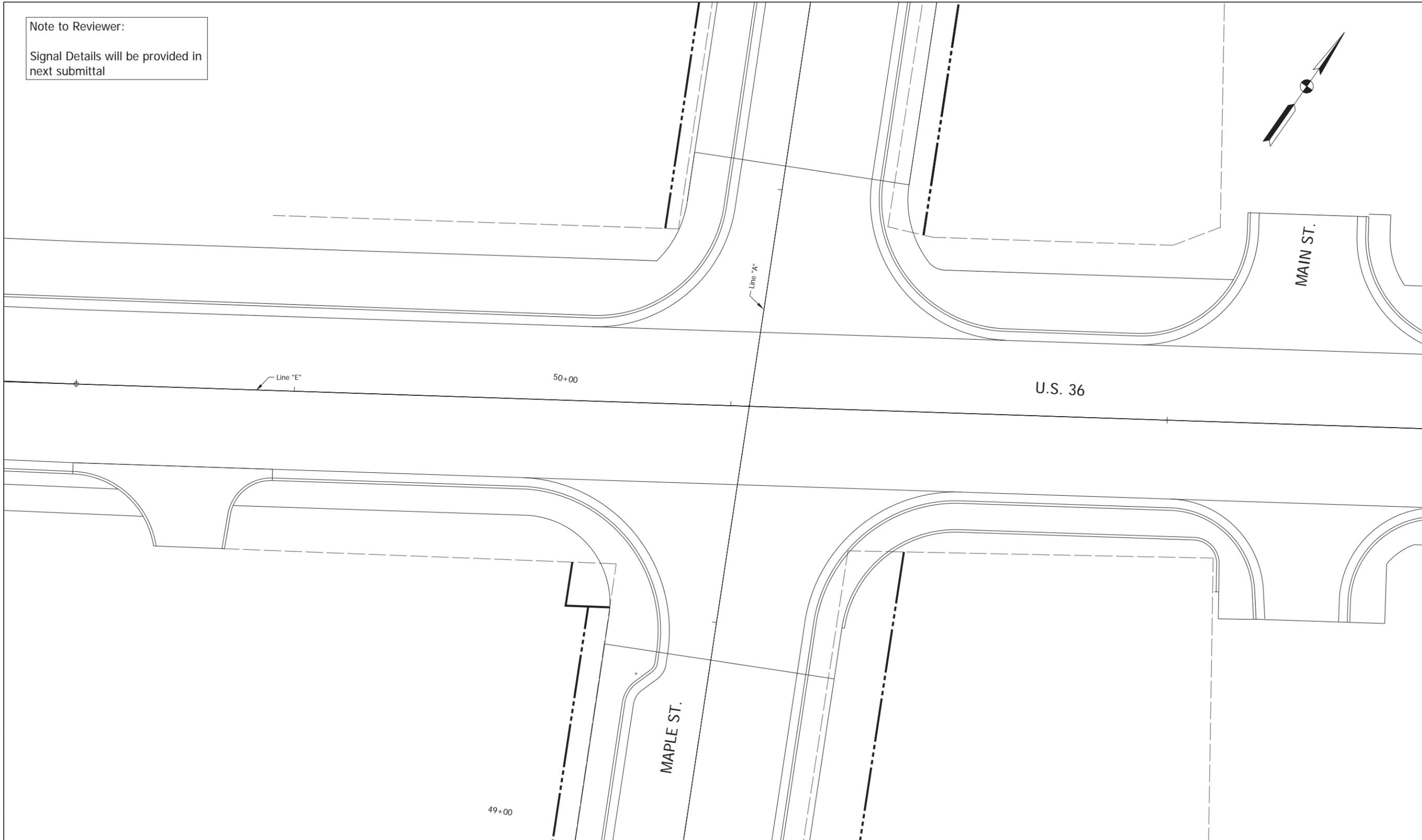
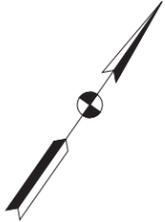
**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**PLAN AND PROFILE - LINE "MAPLE"**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 10'	1702935
SURVEY BOOK	SHEET
ELECTRONIC	8 of 16
CONTRACT	PROJECT
T-41903	1702935

Date: Aug 10, 2021, 10:43am User Name: M/Mall File: S:\2018\1702935\1702935\Road\CD\1702935\_Sheet.dwg

Note to Reviewer:  
Signal Details will be provided in next submittal



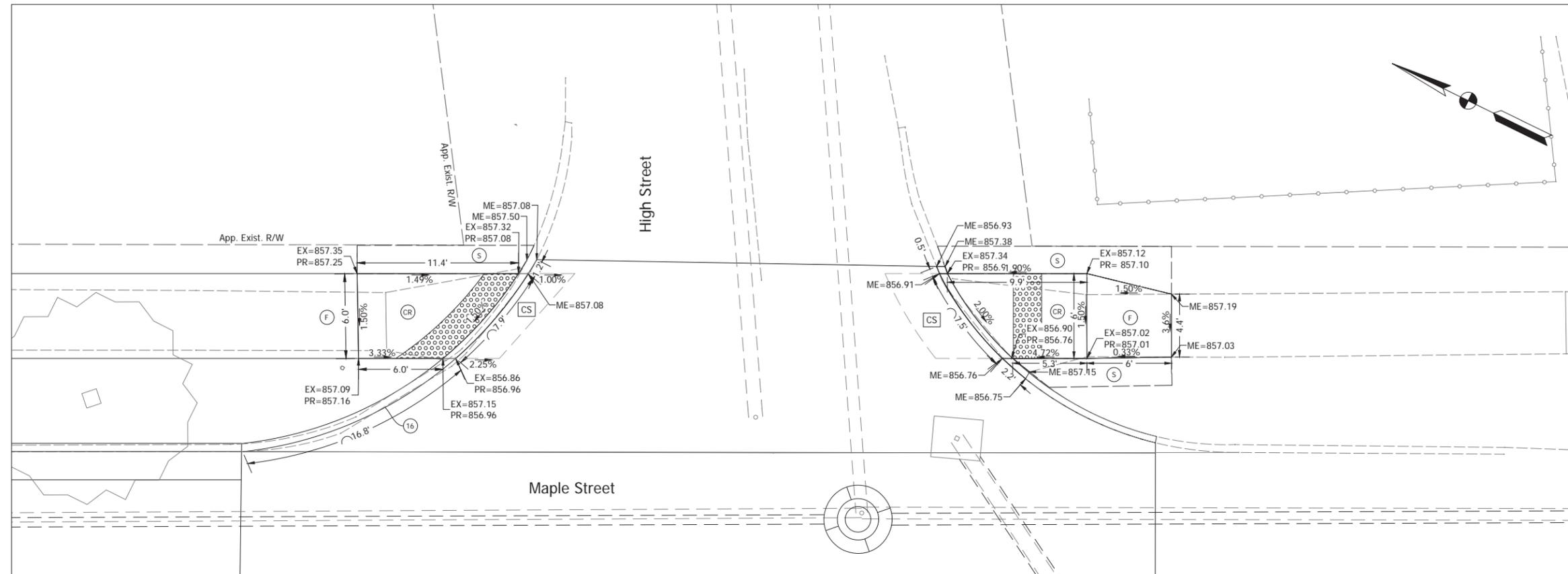
Date: Aug 10, 2021, 10:45am User Name: MMill  
File: S:\2021\1702935\1702935\Road\CAD\Signal\1702935\US36\MAPLE ST. Signal Details.dwg

RECOMMENDED FOR APPROVAL _____	DESIGN ENGINEER _____	DATE --/--
DESIGNED: MMT	DRAWN: MMT	
CHECKED: BKA	CHECKED: BKA	

**INDIANA  
DEPARTMENT OF TRANSPORTATION**

**SIGNAL DETAILS**

HORIZONTAL SCALE 1" = 20'	BRIDGE FILE N/A
VERTICAL SCALE N/A	DESIGNATION 1702935
SURVEY BOOK ELECTRONIC	SHEET 9 of 16
CONTRACT T-41903	PROJECT 1702935



Note:  
Curb Ramp Details along US 36  
are included in Des. No. 1700803

- (F) Sidewalk, Concrete
- (CR) Curb Ramp, Concrete
- (S) Sodding, Nursery
- (16) Curb, Concrete
- (CS) Clear Space
- (16) Detectible Warning Surface

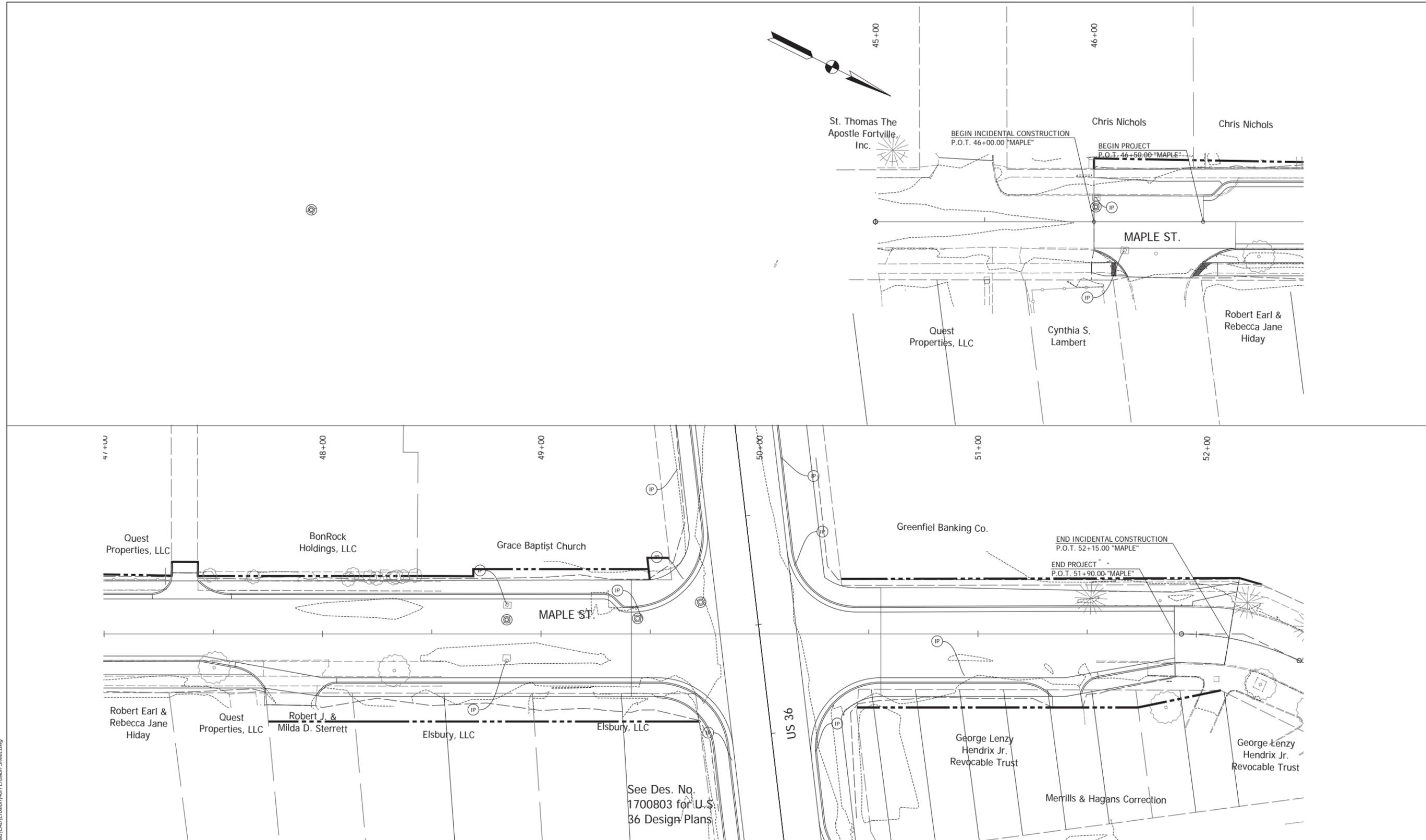
RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____ DATE --/--/--	
DESIGNED: _____ MDV	DRAWN: _____ EMM		
CHECKED: _____ BKA	CHECKED: _____ BKA		

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 20'	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	10 of 16
CONTRACT	PROJECT
R-42166	1700803

Date: Aug 10, 2021, 10:46am User Name: PMBoll  
File: S:\\_2021\18-0015\18015\Road\CAD\Misc\DWG\Details\Details.dwg



Date: Aug 10, 2021, 10:48am User Name: M/Mall  
File: S:\2021\1700803\1700803\Road\CAD\EROSION\1700803\_EROSION\_SHEET.dwg

IP Inlet Protection

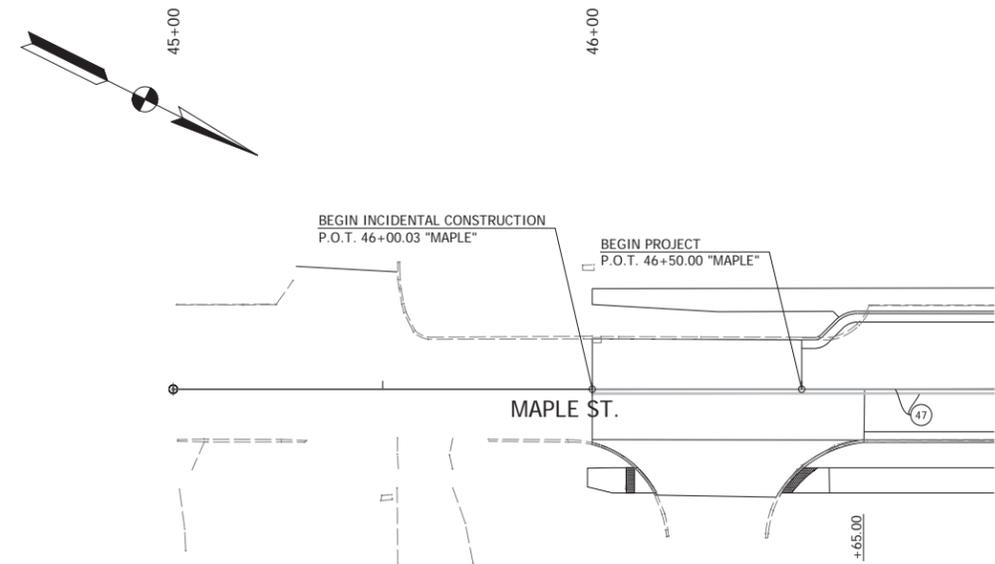
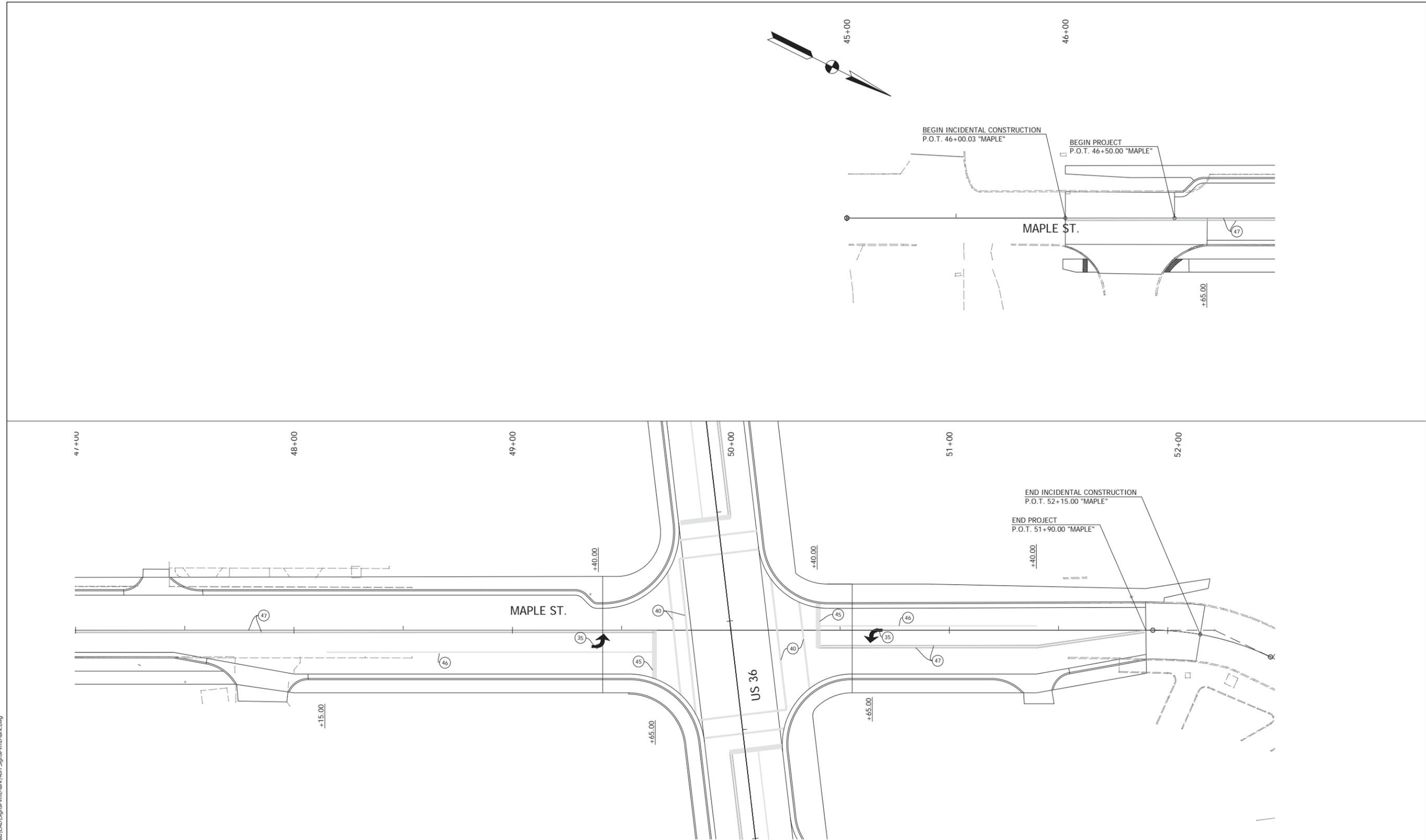
See Des. No. 1700803 for U.S. 36 Design Plans

RECOMMENDED FOR APPROVAL	DESIGN ENGINEER	DATE
DESIGNED: MDV	DRAWN: MMT	
CHECKED: BKA	CHECKED: BKA	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN**

HORIZONTAL SCALE	BRIDGE FILE
1" = 20'	N/A
VERTICAL SCALE	DESIGNATION
1" = 20'	1700803 & 1901985
SURVEY BOOK	SHEET
ELECTRONIC	11 of 16
CONTRACT	PROJECT
R-42166	1700803



Date: Aug 10, 2021, 10:49am User Name: MWal  
File: S:\2018\1700803\1901985\Road\CAD\Signs\pmt\Mark.dwg

- 45 Transverse Marking, Thermoplastic, Stop Bar, 24"
- 46 Line, Thermoplastic, Solid, White, 4"
- 47 Line, Thermoplastic, Solid, Yellow, 4"

RECOMMENDED FOR APPROVAL _____		DESIGN ENGINEER _____		DATE: --/--/--
DESIGNED: _____	MDV	DRAWN: _____	MMT	
CHECKED: _____	BKA	CHECKED: _____	BKA	

**INDIANA**  
**DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING DETAILS**

HORIZONTAL SCALE		BRIDGE FILE	
1" = 20'		N/A	
VERTICAL SCALE		DESIGNATION	
1" = 20'		1700803 & 1901985	
SURVEY BOOK		SHEET	
ELECTRONIC		12	of 16
CONTRACT		PROJECT	
R-42166		1700803	