



CALL NO. 208

CONTRACT ID. 254202

MARSHALL - MCCRACKEN COUNTIES

FED/STATE PROJECT NUMBER 121GR25T002-HSIP

DESCRIPTION US HIGHWAY 68 (US 68)

WORK TYPE GRADE & DRAIN WITH ASPHALT SURFACE

PRIMARY COMPLETION DATE 10/31/2025

LETTING DATE: March 20,2025

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME March 20,2025. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

NO PLANS ASSOCIATED WITH THIS PROJECT.

DBE CERTIFICATION REQUIRED - 10%

REQUIRED BID PROPOSAL GUARANTY: Not less than 5% of the total bid.

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PART I

SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 01

CONTRACT ID - 254202
121GR25T002-HSIP
COUNTY - MARSHALL
PCN - 0107900682401
HSIP 1681(014)

US HIGHWAY 68 (US 68) (MP 0.000) From the McCracken-Marshall county line extending southeast to 0.028 miles south of the Jonathan Creek Boat Ramp. (MP 22.250), A DISTANCE OF 022.25 MILES.GRADE & DRAIN WITH ASPHALT SURFACE SYP NO. 01-9019.00.
GEOGRAPHIC COORDINATES LATITUDE 36:54:43.03 LONGITUDE 88:19:44.49
ADT 5,311

COUNTY - MCCRACKEN
PCN - 0107300682401
HSIP 1681(014)

US HIGHWAY 68 (US 68) (MP 1.550) From 0.210 miles west of Fieldmont Dr. extending east to the McCracken-Marshall county line. (MP 2.677), A DISTANCE OF 01.13 MILES.GRADE & DRAIN WITH ASPHALT SURFACE SYP NO. 01-9019.00.
GEOGRAPHIC COORDINATES LATITUDE 36:59:03.63 LONGITUDE 88:29:34.98
ADT 6,094

COMPLETION DATE(S):
COMPLETED BY 10/31/2025 APPLIES TO ENTIRE PROJECT

CONTRACT NOTES

INSURANCE

Refer to Kentucky Standard Specifications for Road and Bridge Construction, current edition.

PROPOSAL ADDENDA

All addenda to this proposal must be applied when calculating bid and certified in the bid packet submitted to the Kentucky Department of Highways. Failure to use the correct and most recent addenda may result in the bid being rejected.

BID SUBMITTAL

Bidder must use the Department's electronic bidding software. The Bidder must download the bid file located on the Bid Express website (www.bidx.com) to prepare a bid packet for submission to the Department. The bidder must submit electronically using Bid Express.

JOINT VENTURE BIDDING

Joint venture bidding is permissible. All companies in the joint venture must be prequalified in one of the work types in the Qualifications for Bidders for the project. The bidders must get a vendor ID for the joint venture from the Division of Construction Procurement and register the joint venture as a bidder on the project. Also, the joint venture must obtain a digital ID from Bid Express to submit a bid. A joint bid bond of 5% may be submitted for both companies or each company may submit a separate bond of 5%.

UNDERGROUND FACILITY DAMAGE PROTECTION

The contractor shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. When prescribed in said directives, the contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom shall be contacted through their individual Protection Notification Center. Non-compliance with these directives can result in the enforcement of penalties.

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

Pursuant to KRS 176.085(1)(b), an agency, department, office, or political subdivision of the Commonwealth of Kentucky shall not award a state contract to a person that is a foreign entity required by [KRS 14A.9-010](#) to obtain a certificate of authority to transact business in the Commonwealth ("certificate") from the Secretary of State under [KRS 14A.9-030](#) unless the person produces the certificate within fourteen (14) days of the bid or proposal opening. If the

foreign entity is not required to obtain a certificate as provided in [KRS 14A.9-010](#), the foreign entity should identify the applicable exception. Foreign entity is defined within [KRS 14A.1-070](#).

For all foreign entities required to obtain a certificate of authority to transact business in the Commonwealth, if a copy of the certificate is not received by the contracting agency within the time frame identified above, the foreign entity's solicitation response shall be deemed non-responsive or the awarded contract shall be cancelled.

Businesses can register with the Secretary of State at <https://secure.kentucky.gov/sos/ftbr/welcome.aspx>.

SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

Questions about projects during the advertisement should be submitted in writing to the Division of Construction Procurement. This may be done by email to kytc.projectquestions@ky.gov. The Department will attempt to answer all submitted questions. The Department reserves the right not to answer if the question is not pertinent or does not aid in clarifying the project intent.

The deadline for posting answers will be 3:00 pm Eastern Daylight Time, the day preceding the Letting. Questions may be submitted until this deadline with the understanding that the later a question is submitted, the less likely an answer will be able to be provided.

The questions and answers will be posted for each Letting under the heading "Questions & Answers" on the Construction Procurement website (www.transportation.ky.gov/construction-procurement). The answers provided shall be considered part of this Special Note and, in case of a discrepancy, will govern over all other bidding documents.

HARDWOOD REMOVAL RESTRICTIONS

The US Department of Agriculture has imposed a quarantine in Kentucky and several surrounding states, to prevent the spread of an invasive insect, the emerald ash borer. Hardwood cut in conjunction with the project may not be removed from the state. Chipping or burning on site is the preferred method of disposal.

INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

Identification of excess material sites and borrow sites shall be the responsibility of the Contractor. The Contractor shall be responsible for compliance with all applicable state and federal laws and may wish to consult with the US Fish and Wildlife Service to seek protection under Section 10 of the Endangered Species Act for these activities.

ACCESS TO RECORDS

The state agency certifies that it is in compliance with the provisions of KRS 45A.150, "Access to contractor's books, documents, papers, records, or other evidence directly pertinent to the contract." The Contractor, as defined in KRS 45A.030, agrees that the contracting agency, the

Finance and Administration Cabinet, the Auditor of Public Accounts, and the Legislative Research Commission, or their duly authorized representatives, shall have access to any books, documents, papers, records, or other evidence, which are directly pertinent to this agreement for the purpose of financial audit or program review. The Contractor also recognizes that any books, documents, papers, records, or other evidence, received during a financial audit or program review shall be subject to the Kentucky Open Records Act, KRS 61.870 to 61.884. Records and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the agreement and shall be exempt from disclosure as provided in KRS 61.878(1)(c).

BOYCOTT PROVISIONS

If applicable, the contractor represents that, pursuant to [KRS 45A.607](#), they are not currently engaged in, and will not for the duration of the contract engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which Kentucky can enjoy open trade. **Note:** The term Boycott does not include actions taken for bona fide business or economic reasons, or actions specifically required by federal or state law.

If applicable, the contractor verifies that, pursuant to KRS 41.480, they do not engage in, and will not for the duration of the contract engage in, in energy company boycotts as defined by KRS 41.472.

LOBBYING PROHIBITIONS

The contractor represents that they, and any subcontractor performing work under the contract, have not violated the agency restrictions contained in [KRS 11A.236](#) during the previous ten (10) years, and pledges to abide by the restrictions set forth in such statute for the duration of the contract awarded.

The contractor further represents that, pursuant to [KRS 45A.328](#), they have not procured an original, subsequent, or similar contract while employing an executive agency lobbyist who was convicted of a crime related to the original, subsequent, or similar contract within five (5) years of the conviction of the lobbyist.

Revised: 1/1/2025

1.0 BUY AMERICA REQUIREMENT.

Follow the “Buy America” provisions as required by 23 U.S.C. § 313 and 23 C.F.R. § 635.410. Except as expressly provided herein all manufacturing processes of steel or iron materials including but not limited to structural steel, guardrail materials, corrugated steel, culvert pipe, structural plate, prestressing strands, and steel reinforcing bars shall occur in the United States of America, including the application of:

- Coating,
- Galvanizing,
- Painting, and
- Other coating that protects or enhances the value of steel or iron products.

The following are exempt, unless processed or refined to include substantial amounts of steel or iron material, and may be used regardless of source in the domestic manufacturing process for steel or iron material:

- Pig iron,
- Processed, pelletized, and reduced iron ore material, or
- Processed alloys.

The Contractor shall submit a certification stating that all manufacturing processes involved with the production of steel or iron materials occurred in the United States.

Produce, mill, fabricate, and manufacture in the United States of America all aluminum components of bridges, tunnels, and large sign support systems, for which either shop fabrication, shop inspection, or certified mill test reports are required as the basis of acceptance by the Department.

Use foreign materials only under the following conditions:

- 1) When the materials are not permanently incorporated into the project; or
- 2) When the delivered cost of such materials used does not exceed 0.1 percent of the total Contract amount or \$2,500.00, whichever is greater.

The Contractor shall submit to the Engineer the origin and value of any foreign material used.

2.0 – BUILD AMERICA, BUY AMERICA (BABA)

Contractor shall comply with the Federal Highway Administration (FHWA) Buy America Requirement in 23 C.F.R. § 635.410 and all relevant provisions of the Build America, Buy America Act (BABA), contained within the Infrastructure Investment and Jobs Act, Pub. L. No. 117-58, §§ 70901-52 enacted November 15, 2021. The BABA requires iron, steel, manufactured products, and construction materials used in infrastructure projects funded by federal financial assistance to be produced in the United States. Comply with 2 C.F.R § 184.

BABA permits FHWA participation in the Contract only if domestic steel and iron will be used on the Project. To be considered domestic, all steel and iron used, and all products manufactured from steel and iron must be produced in the United States and all manufacturing processes, including application of a coating, for these materials must occur in the United States. Coating includes all processes that protect or enhance the value of the material to which the coating is applied. This requirement does not preclude a minimal use of foreign steel and iron materials, provided the cost of such materials does not exceed 0.1% of the total contract amount under the Contract or \$2,500.00 whichever is greater.

BABA permits FHWA participation in the Contract only if all “construction materials” as defined in the Act are made in the United States. The Buy America preference applies to the following construction materials

SPECIAL NOTE – BUY AMERICA REQUIREMENTS AND BUILD
AMERICA, BUY AMERICA (BABA) ACT

10/26/2023

incorporated into infrastructure projects: non-ferrous metals; plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables); glass (including optic glass); Fiber optic cable; optical fiber; lumber; engineered wood; and drywall. Contractor will be required to use construction materials produced in the United States on this Project. The Contractor shall submit a certification stating that all construction materials are certified to be BABA compliant.

Finally, BABA permits the continuation of FHWA's current general applicability waivers for manufactured products, raw materials, and ferryboat parts, but these waivers are subject to reevaluation, specifically the general applicability waiver for manufactured products.

The Contractor has completed and submitted, or shall complete and submit, to the Cabinet a Buy America/Build America, Buy America Certificate prior to the Cabinet issuing the notice to proceed, in the format below. After submittal, the Contractor is bound by its original certification.

A false certification is a criminal act in violation of 18 U.S.C. § 1001. The Contractor has the burden of proof to establish that it is in compliance.

At the Contractor's request, the Cabinet may, but is not obligated to, seek a waiver of Buy America requirements if grounds for the waiver exist under 23 C.F.R. § 635.410(c) or will comply with the applicable Buy America requirements if a waiver of those requirements is not available or not pursued by the Cabinet.

Please refer to the Federal Highway Administration's Buy America webpage for more information.

[Buy America - Construction Program Guide - Contract Administration - Construction - Federal Highway Administration \(dot.gov\)](#)

October 26, 2023 Letting

BUY AMERICA / BUILD AMERICA, BUY AMERICA (ACT) MATERIALS CERTIFICATE OF COMPLIANCE

The Contractor hereby certifies that it will comply with all relevant provisions of the Build America, Buy America Act, contained within the Infrastructure Investment and Jobs Act, Pub. L. NO. 117-58, §§ 70901-52, the requirements of 23 U.S.C. § 313, 23 C.F.R. § 635.410 and 2 C.F.R § 184.

Date Submitted: _____

Contractor: _____

Signature: _____

Printed Name: _____

Title: _____

NOTE: THIS CERTIFICATION IS IN ADDITION TO ANY AND ALL REQUIREMENTS OUTLINED IN THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND/OR SPECIAL NOTES CONTAINED IN THE PROJECT PROPOSAL.

FEDERAL CONTRACT NOTES

The Kentucky Department of Highways, in accordance with the Regulations of the United States Department of Transportation 23 CFR 635.112 (h), hereby notifies all bidders that failure by a bidder to comply with all applicable sections of the current Kentucky Standard Specifications, including, but not limited to the following, may result in a bid not being considered responsive and thus not eligible to be considered for award:

- | | |
|--------------------------------|--|
| 102.02 Current Rating | 102.08 Preparation and Delivery of Proposals |
| 102.13 Irregular Bid Proposals | 102.14 Disqualification of Bidders |
| 102.09 Proposal Guaranty | |

CIVIL RIGHTS ACT OF 1964

The Kentucky Transportation Cabinet, Department of Highways, in accordance with the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252, 42 U.S.C. §§ 2000d to 2000d-4) and the Regulations, hereby notifies all bidders that it will affirmatively ensure that any contract entered into pursuant to this advertisement, disadvantaged business enterprises will be afforded full and fair opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, national origin, sex, age (over 40), religion, sexual orientation, gender identity, veteran status, disability, income- level, or Limited English Proficiency (LEP) in consideration for an award.

NOTICE TO ALL BIDDERS

To report bid rigging activities call: 1-800-424-9071.

The U.S. Department of Transportation (DOT) operates the above toll-free “hotline” Monday through Friday, 8:00 a.m. to 5:00 p.m. eastern time. Anyone with knowledge of possible bid rigging, bidder collusion, or other fraudulent activities should use the “hotline” to report such activities.

The “hotline” is part of the DOT’s continuing effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General. All information will be treated confidentially and caller anonymity will be respected.

SECOND TIER SUBCONTRACTS

Second tier subcontracts are acceptable per Section 108.01 of the Standard Specifications for Road and Bridge Construction. Sub-Contractors fulfilling a disadvantaged business enterprise goal on a project may enter into a 2nd tier subcontract with a Non-DBE Subcontractor. However, in this instance, none of the work subcontracted to the Non-DBE Contractor will count toward fulfilling the established Disadvantaged Goal for the project.

DISADVANTAGED BUSINESS ENTERPRISE PROGRAM

It is the policy of the Kentucky Transportation Cabinet (“the Cabinet”) that Disadvantaged Business Enterprises (“DBE”) shall have the opportunity to participate in the performance of highway construction projects financed in whole or in part by Federal Funds in order to create a level playing field for all businesses who wish to contract with the Cabinet. To that end, the Cabinet will comply with the regulations found in 49 CFR Part 26, and the definitions and requirements contained therein shall be adopted as if set out verbatim herein.

The Cabinet, contractors, subcontractors, and sub-recipients shall not discriminate on the basis of race, color, national origin, or sex in the performance of work performed pursuant to Cabinet contracts. The contractor shall carry out applicable requirements of 49 CFR 26 in the award and administration of federally assisted highway construction projects. The contractor will include this provision in all its subcontracts and supply agreements pertaining to contracts with the Cabinet.

Failure by the contractor to carry out these requirements is a material breach of its contract with the Cabinet, which may result in the termination of the contract or such other remedy as the Cabinet deems necessary.

DBE GOAL

The Disadvantaged Business Enterprise (DBE) goal established for this contract, as listed on the front page of the proposal, is the percentage of the total value of the contract.

The contractor shall exercise all necessary and reasonable steps to ensure that Disadvantaged Business Enterprises participate in at least the percent of the contract as set forth above as goals for this contract.

OBLIGATION OF CONTRACTORS

Each contractor prequalified to perform work on Cabinet projects shall designate and make known to the Cabinet a liaison officer who is assigned the responsibility of effectively administering and promoting an active program for utilization of DBEs.

If a formal goal has not been designated for the contract, all contractors are encouraged to consider DBEs for subcontract work as well as for the supply of material and services needed to perform this work.

Contractors are encouraged to use the services of banks owned and controlled by minorities and women.

CERTIFICATION OF CONTRACT GOAL

Contractors shall include the following certification in bids for projects for which a DBE goal has been established. BIDS SUBMITTED WHICH DO NOT INCLUDE CERTIFICATION OF DBE PARTICIPATION WILL NOT BE ACCEPTED. These bids will not be considered for award by the Cabinet and they will be returned to the bidder.

“The bidder certifies that it has secured participation by Disadvantaged Business Enterprises (“DBE”) in the amount of _____ percent of the total value of this contract and that the DBE participation is in compliance with the requirements of 49 CFR 26 and the policies of the Kentucky Transportation Cabinet pertaining to the DBE Program.”

The certification statement is located in the electronic bid file. All contractors must certify their DBE participation on that page. DBEs utilized in achieving the DBE goal must be certified and prequalified for the work items at the time the bid is submitted.

DBE PARTICIPATION PLAN

Lowest responsive bidders must submit the *DBE Plan/ Subcontractor Request*, form TC 14-35 DBE, within **5** days of the letting. This is necessary before the Awards Committee will review and make a recommendation. **The project will not be considered for award prior to submission and approval of the apparent low bidder’s DBE Plan/Subcontractor Request.**

The DBE Participation Plan shall include the following:

1. Name and address of DBE Subcontractor(s) and/or supplier(s) intended to be used in the proposed project;
2. Description of the work each is to perform including the work item, unit, quantity, unit price and total amount of the work to be performed by the individual DBE. The Proposal Line Number, Category Number, and the Project Line Number can be found in the “material listing” on the Construction Procurement website under the specific letting;
3. The dollar value of each proposed DBE subcontract and the percentage of total project contract value this represents. DBE participation may be counted as follows:
 - a) If DBE suppliers and manufactures assume actual and contractual responsibility, the dollar value of materials to be furnished will be counted toward the goal as follows:
 - The entire expenditure paid to a DBE manufacturer;
 - 60 percent of expenditures to DBE suppliers that are not manufacturers provided the supplier is a regular dealer in the product involved. A regular dealer must be engaged in, as its principal business and in its own name, the sale of products to the public, maintain an inventory and own and operate distribution equipment; and
 - The amount of fees or commissions charged by the DBE firms for a bona fide service, such as professional, technical, consultant, or managerial services and assistance in the procurement of essential personnel, facilities, equipment, materials, supplies, delivery of materials and supplies or for furnishing bonds, or insurance, providing such fees or commissions are determined to be reasonable and customary.
 - b) The dollar value of services provided by DBEs such as quality control testing, equipment repair and maintenance, engineering, staking, etc.;

- c) The dollar value of joint ventures. DBE credit for joint ventures will be limited to the dollar amount of the work actually performed by the DBE in the joint venture;
4. Written and signed documentation of the bidder's commitment to use a DBE contractor whose participation is being utilized to meet the DBE goal; and
5. Written and signed confirmation from the DBE that it is participating in the contract as provided in the prime contractor's commitment.

AFTER PROJECT AWARD AND BEFORE NOTICE TO PROCEED/WORK ORDER IS ISSUED (SEE SECTION 103.06, STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION)

Prime Contractors awarded a federally funded project with a DBE Goal greater than zero will be required to submit a fully executed DBE Subcontract, along with the attached FHWA 1273 and Certificate of Liability Insurance for each DBE Firm submitted as part of the previously approved DBE Utilization Plan (TC 14-35). A signed quote or purchase order shall be attached when the DBE subcontractor is a material supplier or broker.

The Certificate of Liability Insurance submitted must meet the requirements outlined in Section 107.18 of the Standard Specifications for Road and Bridge Construction.

Changes to **APPROVED** DBE Participation Plans must be approved by the Office for Civil Rights & Small Business Development. The Cabinet may consider extenuating circumstances including, but not limited to, changes in the nature or scope of the project, the inability or unwillingness of a DBE to perform the work in accordance with the bid, and/or other circumstances beyond the control of the prime contractor.

CONSIDERATION OF GOOD FAITH EFFORTS REQUESTS

If the DBE participation submitted in the bid by the apparent lowest responsive bidder does not meet or exceed the DBE contract goal, the apparent lowest responsive bidder must submit a Good Faith Effort Package to satisfy the Cabinet that sufficient good faith efforts were made to meet the contract goals prior to submission of the bid. Efforts to increase the goal after bid submission will not be considered in justifying the good faith effort, unless the contractor can show that the proposed DBE was solicited prior to the letting date. DBEs utilized in achieving the DBE goal must be certified and prequalified for the work items at the time the bid is submitted. One complete set (hard copy along with an electronic copy) of this information must be received in the Division of Contract Procurement no later than 12:00 noon of the tenth calendar day after receipt of notification that they are the apparent low bidder.

Where the information submitted includes repetitious solicitation letters it will be acceptable to submit a sample representative letter along with a distribution list of the firms solicited. Documentation of DBE quotations shall be a part of the good faith effort submittal as necessary to demonstrate compliance with the factors listed below which the Cabinet considers in judging good faith efforts. This documentation may include written subcontractors' quotations, telephone log notations of verbal quotations, or other types of quotation documentation.

The Good Faith Effort Package shall include, but may not be limited to information showing evidence of the following:

1. Whether the bidder attended any pre-bid meetings that were scheduled by the Cabinet to inform DBEs of subcontracting opportunities;
2. Whether the bidder provided solicitations through all reasonable and available means;
3. Whether the bidder provided written notice to all DBEs listed in the DBE directory at the time of the letting who are prequalified in the areas of work that the bidder will be subcontracting;
4. Whether the bidder followed up initial solicitations of interest by contacting DBEs to determine with certainty whether they were interested. If a reasonable amount of DBEs within the targeted districts do not provide an intent to quote or no DBEs are prequalified in the subcontracted areas, the bidder must notify the Disadvantaged Enterprise Business Liaison Officer (DEBLO) in the Office for Civil Rights and Small Business Development to give notification of the bidder's inability to get DBE quotes;
5. Whether the bidder selected portions of the work to be performed by DBEs in order to increase the likelihood of meeting the contract goals. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the prime contractor might otherwise perform these work items with its own forces;
6. Whether the bidder provided interested DBEs with adequate and timely information about the plans, specifications, and requirements of the contract;
7. Whether the bidder negotiated in good faith with interested DBEs not rejecting them as unqualified without sound reasons based on a thorough investigation of their capabilities. Any rejection should be so noted in writing with a description as to why an agreement could not be reached;
8. Whether quotations were received from interested DBE firms but were rejected as unacceptable without sound reasons why the quotations were considered unacceptable. The fact that the DBE firm's quotation for the work is not the lowest quotation received will not in itself be considered as a sound reason for rejecting the quotation as unacceptable. The fact that the bidder has the ability and/or desire to perform the contract work with its own forces will not be considered a sound reason for rejecting a DBE quote. Nothing in this provision shall be construed to require the bidder to accept unreasonable quotes in order to satisfy DBE goals;
9. Whether the bidder specifically negotiated with subcontractors to assume part of the responsibility to meet the contract DBE goal when the work to be subcontracted includes potential DBE participation;
10. Whether the bidder made any efforts and/or offered assistance to interested DBEs in obtaining the necessary equipment, supplies, materials, insurance and/or bonding to satisfy the work requirements of the bid proposal; and
11. Any other evidence that the bidder submits which may show that the bidder has made reasonable good faith efforts to include DBE participation.

FAILURE TO MEET GOOD FAITH REQUIREMENT

Where the apparent lowest responsive bidder fails to submit sufficient participation by DBE firms to meet the contract goal and upon a determination by the Good Faith Committee based upon the information submitted that the apparent lowest responsive bidder failed to make sufficient reasonable efforts to meet the contract goal, the bidder will be offered the opportunity to meet in person for administrative reconsideration. The bidder will be notified of the Committee's decision within 24 hours of its decision. The bidder will have 24 hours to request reconsideration of the Committee's decision. The reconsideration meeting will be held within two days of the receipt of a request by the bidder for reconsideration.

The request for reconsideration will be heard by the Office of the Secretary. The bidder will have the opportunity to present written documentation or argument concerning the issue of whether it met the goal or made an adequate good faith effort. The bidder will receive a written decision on the reconsideration explaining the basis for the finding that the bidder did or did not meet the goal or made adequate Good Faith efforts to do so.

The result of the reconsideration process is not administratively appealable to the Cabinet or to the United States Department of Transportation.

The Cabinet reserves the right to award the contract to the next lowest responsive bidder or to rebid the contract in the event that the contract is not awarded to the low bidder as the result of a failure to meet the good faith requirement.

SANCTIONS FOR FAILURE TO MEET DBE REQUIREMENTS OF THE PROJECT

Failure by the prime contractor to fulfill the DBE requirements of a project under contract or to demonstrate good faith efforts to meet the goal constitutes a breach of contract. When this occurs, the Cabinet will hold the prime contractor accountable, as would be the case with all other contract provisions. Therefore, the contractor's failure to carry out the DBE contract requirements shall constitute a breach of contract and as such the Cabinet reserves the right to exercise all administrative remedies at its disposal including, but not limited to the following:

- Suspension of Prequalification;
- Disallow credit toward the DBE goal;
- Withholding progress payments;
- Withholding payment to the prime in an amount equal to the unmet portion of the contract goal; and/or
- Termination of the contract.

PROMPT PAYMENT

The prime contractor will be required to pay the DBE and Non-DBE Subcontractors within seven (7) working days after he or she has received payment from the Kentucky Transportation Cabinet for work performed or materials furnished.

CONTRACTOR REPORTING

All contractors must keep detailed records and provide reports to the Cabinet on their progress in meeting the DBE requirement on any highway contract. These records may include, but shall not be limited to payroll, lease agreements, cancelled payroll checks, executed subcontracting agreements, etc. Prime contractors will be required to complete and submit a **signed and notarized** Affidavit of Subcontractor Payment (TC 18-7) and copies of checks for any monies paid to each DBE subcontractor or supplier utilized to meet a DBE goal. These documents must be completed and signed within 7 days of being paid by the Cabinet.

Payment information that needs to be reported includes date the payment is sent to the DBE, check number, Contract ID, amount of payment and the check date. Before Final Payment is made on this contract, the Prime Contractor will certify that all payments were made to the DBE subcontractor and/or DBE suppliers.

***** IMPORTANT *****

Please mail the original, signed and completed TC (18-7) Affidavit of Subcontractor Payment form and all copies of checks for payments listed above to the following address:

Office for Civil Rights and Small Business Development
6th Floor West 200 Mero Street
Frankfort, KY 40622

The prime contractor should notify the KYTC Office for Civil Rights and Small Business Development seven (7) days prior to DBE contractors commencing work on the project. The contact in this office is Mr. Tony Youssefi. Mr. Youssefi's current contact information is email address – tyousseffi@ky.gov and the telephone number is (502) 564-3601.

DEFAULT OR DECERTIFICATION OF THE DBE

If the DBE subcontractor or supplier is decertified or defaults in the performance of its work, and the overall goal cannot be credited for the uncompleted work, the prime contractor may utilize a substitute DBE or elect to fulfill the DBE goal with another DBE on a different work item. If after exerting good faith effort in accordance with the Cabinet's Good Faith Effort policies and procedures, the prime contractor is unable to replace the DBE, then the unmet portion of the goal may be waived at the discretion of the Cabinet.

PROHIBITION ON TELECOMMUNICATIONS EQUIPMENT OR SERVICES

In accordance with the FY 2019 National Defense Authorization Act (NDAA), 2 CFR 200.216, and 2 CFR 200.471, Federal agencies are prohibited, after August 13, 2020, from obligating or expending financial assistance to obtain certain telecommunications and video surveillance services and equipment from specific producers. As a result of these regulations, contractors and subcontractors are prohibited, on projects with federal funding participation, from providing telecommunication or video surveillance equipment, services, or systems produced by:

- Huawei Technologies Company or ZTE Corporation (or any subsidiary or affiliate of such entities)
- Hytera Communications Corporation, Hangzhou Hikvision Digital Technology Company, or Dahua Technology Company (or any subsidiary or affiliate of such entities)

**LEGAL REQUIREMENTS AND RESPONSIBILITY TO THE PUBLIC – CARGO
PREFERENCE ACT (CPA).**

(REV 12-17-15) (1-16)

SECTION 7 is expanded by the following new Article:

102.10 Cargo Preference Act – Use of United States-flag vessels.

Pursuant to Title 46CFR Part 381, the Contractor agrees

- To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels.
- To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph 1 of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Division of National Cargo, Office of Market Development, Maritime Administration, Washington, DC 20590.
- To insert the substance of the provisions of this clause in all subcontracts issued pursuant to this contract.

ASPHALT MIXTURE

Unless otherwise noted, the Department estimates the rate of application for all asphalt mixtures to be 110 lbs/sy per inch of depth.

OPTION B

Be advised that the Department will control and accept compaction of asphalt mixtures furnished on this project under OPTION B in accordance with Sections 402 and 403.

Special Notes Applicable to Project General Notes & Description of Work

CAUTION

The information in this proposal and the type of work listed herein are approximate only and are not to be taken as an exact evaluation of the materials and conditions to be encountered during construction; the bidder must draw his/her own conclusions when developing the Unit Bid Prices for each bid item. As such, if the conditions encountered are not in accordance with the information shown, the Department does not guarantee any changes to the Unit Bid Prices nor extension of the contract will be considered. The Department will pay for bid item quantity overruns, but only if pre-approved by the Engineer.

STATIONING

The contractor is advised that the planned locations of work were established from a beginning station number, which is STA 0+00.00 (Ahead – Marshall County) and STA 141+34.60 (Back – McCracken County) at the intersection of KY 68 and County Line Road and corresponds to Milepoint 0.000 along US 68. **NOTE:** The existing mile marker signs may not correspond to the proposed work locations.

LIDAR

All survey information was obtained from available KYTC Aerial LIDAR data and should be field verified as appropriate during construction and prior to incorporating the various project work items. Refer to the Special Note for Staking concerning staking operations required to control and construct the work.

ON-SITE INSPECTION

Before submitting a bid for the work, make a thorough inspection of the site and determine existing conditions so that the work can be expeditiously performed after a contract is awarded. The Department will consider submission of a bid to be evidence of this inspection having been made. The Department will not honor any claims for money or time extension resulting from site conditions.

RIGHT OF WAY LIMITS

The Department has not established the exact limits of the Right-of-Way. Unless a consent and release form is obtained from the adjoining property owner, limit work activities to the obvious Right-of-Way and staging areas secured and environmentally cleared by the Contractor at no additional cost to the Department. In the event that private improvements (i.e., fences, buildings, etc.) encroach upon the Right-of-Way, the contractor shall notify the Engineer and limit work activities in order to NOT disturb the improvements. If they become necessary, the Department will secure consent and releases from property owners through the Engineer. Be responsible for all encroachments onto private lands.

CONTROL

Perform all work under the absolute control of the Department of Highways. Obtain the Engineer's approval of all designs required to be furnished by the Contractor prior to incorporation into the work. The Department reserves the right to have other work performed by other contractors and its own forces and to permit public utility companies and others to do work during the construction within the limits of, or adjacent to, the project. Conduct operations and cooperate with such other parties so that interference with such other work will be reduced to a minimum. The Department will not honor any claims for money or time extension created by the operations of such other parties. Should a difference of opinion arise as to the rights of the Contractor and others working within the limits of, or adjacent to, the project, the Engineer will decide as to the respective rights of the various parties involved in order to assure the completion of the Department's work in general harmony and in a satisfactory manner, and his/her decision shall be final and binding upon the Contractor.

General Notes & Description of Work

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DESCRIPTION OF WORK

Except as specified herein, perform all work in accordance with the Department's Standard Specifications, Supplemental Specifications, applicable Special Notes and Special Provisions, and applicable Standard and Sepia Drawings, current editions. Furnish all materials, labor, equipment, and incidentals for the following work:

Superelevation Improvements. The intent of this work is to bring a consistent pavement cross slope through the identified curve. Refer to the Superelevation Improvement Summary for location and approximate quantities. The Superelevation Improvements are set up and quantified for the Contractor to utilize Leveling & Wedging in order to achieve the desired superelevation improvements at the identified location. The Superelevation Improvement Summary lists the estimated quantities of Leveling & Wedging for the curve; however, the Engineer will make the final determination as to which Leveling & Wedging mix design will be required, as well as the appropriate lift thicknesses and number of lifts based on the existing conditions encountered at the time of construction. As a result of the superelevation improvements and surfacing operations, the roadside shoulder, fill slope, and ditch will have to be modified to match the final pavement elevations and tie in with the existing ground lines. A quantity of Roadside Regrading has been estimated for regrading the roadside within the identified curve. A representative cross section is given for the curve showing the proposed superelevation improvements and the resulting roadside grading.

NOTE: Some field adjustments of the proposed shoulder width, fill slope, ditch, and/or superelevation improvement may be required. The proposed shoulder and roadside grading is intended to occur within the Right-of-Way (or any work areas the Department has obtained through Consent & Release) and NOT disturb any sensitive obstructions (i.e. fences, buildings, utility poles, etc.). Superelevation improvements that have sensitive obstructions along the roadside shall still require regrading the roadside, but the regraded roadside slopes may have to be constructed steeper than shown on the representative cross section. The desire of the Department is to construct the new fill slopes as flat as possible, with 3:1 generally being the steepest typical slope. However, there may be instances when a regraded roadside slope must be constructed steeper than 3:1 to remain within the Right-of-Way (or Consent & Release work area) and/or not impact a sensitive obstruction. When this situation occurs and the existing fill slope is steeper than 3:1, then the new fill slope can be constructed steeper than 3:1, but the new fill slope shall not be constructed steeper than the existing fill slope. If a desired superelevation improvement will result in the new fill slope having to be graded steeper than the existing fill slope in order remain within the Right-of-Way (or a Consent & Release work area) and/or not impact a sensitive obstruction, then the superelevation rate should be modified (reduced) in order to reduce the final change in pavement edge elevation, thereby reducing the height of the new fill slope grading, and allowing for a flatter new fill slope that will not be steeper than the existing fill slope. Prior to making modifications to the proposed superelevation rate, shoulder width, and/or fill slope, coordinate with and obtain approval from the Engineer.

Temporary Striping. A quantity of Pave Striping – Temp Paint – 4 in has been included in the contract for potential use in the area of the Superelevation Improvement, and any other areas as directed by the Engineer. The Contractor and Engineer should work together to determine any locations throughout the project requiring temporary pavement striping. The Engineer will make the final determination as to the quantities and placement of temporary pavement striping.

Roadside Regrading. Areas have been identified along the route for Roadside Regrading. The overall intent of the Roadside Regrading work operation is to improve the existing roadside by constructing a proposed width of earth shoulder and regrading the roadside fill slopes, ditch foreslopes, and/or ditch

General Notes & Description of Work

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backslopes as flat as possible within the Right-of-Way (or any work areas the Department has obtained through Consent & Release), while NOT disturb any sensitive obstructions (i.e. fences, buildings, utilities, etc.). A variety of information is included in the proposal to communicate the proposed Roadside Regrading.

- The Special Note for Roadside Regrading provides information on:
 - The required materials and construction methods.
 - How roadside regrading is measured and paid.
- The ROADSIDE REGRADING AND EMBANKMENT BENCHING DETAILS includes:
 - 11 different Figures that show the common conditions and situations that may be encountered when performing Roadside Regrading.
 - Notes that provide guidance on how to adjust the proposed shoulder and/or roadside dimensions so that Roadside Regrading work operations will remain within the Right-of-Way (or Consent & Release work area) and/or not impact a sensitive obstruction.
- The Typical Section(s) show:
 - The desired dimensions of the proposed shoulder, ditch, and/or roadside slopes.
 - NOTE: There may situations where the desired shoulder, ditch, and/or roadside dimensions must be modified based on existing site conditions. When situations arise where the desired roadside dimensions need to be adjusted, the Contractor and Engineer should work together to determine the final dimensions for the proposed shoulder, ditch, and/or roadside slopes. The notes within the ROADSIDE REGRADING AND EMBANKMENT BENCHING DETAILS provide guidance on ways to adjust the Roadside Regrading when common site conditions and constraints are encountered.
- The Roadside Regrading Summary:
 - Lists the locations where Roadside Regrading is to be performed. While the Department anticipates the limits of Roadside Regrading shown on the Roadside Regrading Summary are accurate, it is always possible the condition of the existing shoulders and existing ditches could change between the Design phase and Construction phase of the project. Therefore, the Contractor and the Engineer are to work together to review the limits of Roadside Regrading and make alterations per Section 104.02.
 - Lists estimated volumes of excavation and embankment for each Roadside Regrading location to help indicate the approximate level of effort of each Roadside Regrading location. NOTE: the estimated volumes of excavation and embankment are provided for informational purposes only and final payment for Roadside Regrading will be made based on the actual LF of Roadside Regrading performed.
 - Indicates which Figure reference within the ROADSIDE REGRADING AND EMBANKMENT BENCHING DETAILS is the closest representation of each proposed Roadside Regrading location.
 - Lists the Targeted Fill Slope (or Ditch Foreslope) and, if applicable, the Targeted Backslope for each Roadside Regrading location.
 - Indicates if there is a need for Embankment Benching, a DGA Wedge, and Channel Lining for each Roadside Regrading location.
 - If applicable, lists the estimated quantities of DGA, Asphalt Seal Coat, Asphalt Seal Aggregate, Channel Lining, and Geotextile Fabric for each Roadside Regrading location.
 - Summarizes the quantities of the bid items associated with the Roadside Regrading work operation.

General Notes & Description of Work

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Pipe Replacements & Extensions. There are locations throughout the project where culvert pipes are being extended or replaced. Locations and estimated quantities are noted on the Pipe Replacement & Extension Summary. For pipe extensions where the existing pipe is RCP, remove the existing headwall and first section of existing RCP attached to the headwall (approx. 3 to 4 ft of existing pipe). Other items that may be included with the pipe extensions/replacements include culvert headwalls, sloped & mitered concrete headwalls, intermediate anchor/collar, roadside regrading, ditching, channel lining, erosion control blanket, asphalt pavement quantities, etc. Refer to the Special Note for Pipe Replacements/Extensions for more information on this item of work.

Sloped & Mitered Concrete Headwalls. Sloped & Mitered Concrete Headwalls shall be constructed as shown on the detail sheets titled: SLOPED & MITERED CONCRETE HEADWALL DETAILS. This headwall is intended to combine the benefits of a pipe headwall with the advantages of safety and adaptability by allowing the headwall to be custom fit to the surrounding embankment. The Pipe Replacement & Extension Summary identifies which pipe ends are to receive the Sloped & Mitered Concrete Headwalls. The identified pipe ends shall have the headwall installed and the pipe mitered at a slope that matches the final embankment slopes at each location. If the pipe is on a skew, install the headwall and miter the pipe so that the concrete slope paving of the new headwall is perpendicular to the roadway. In other words, the embankment slope should not be warped to fit the skew of the pipe; the headwall should be installed and the pipe should be mitered to match the final embankment slope, so that the roadside fill slope is fairly consistent prior to the pipe, at the pipe, and beyond the pipe, and does not create an excessive bulge in the embankment. When completed the edges of the Sloped & Mitered Concrete Headwall should be flush with the surrounding ground line. Payment at the Contract unit price Each shall be full compensation for furnishing all labor, materials, equipment, and incidentals necessary to install the headwall and miter the pipe.

NOTE: For pipes that receive the Sloped & Mitered Concrete Headwall, the pipe length will be measured to the furthest point along the mitered end of the pipe.

Intermediate Anchor/Collar. There are quantities of Class A Concrete included in the contract to construct an intermediate anchor, or collar, around the pipes at the pipe extension locations. This is so the new pipe can be securely connected to the existing pipe. The intermediate anchors shall be constructed as shown on Standard Drawing RDX-060, current edition.

Guardrail. One location within the project is set up for guardrail installation. The approximate locations and estimated quantities are noted on the Guardrail Summary. Refer to the Special Note for Guardrail, Typical Sections, and Plan Sheets for more detail and information on this item of work.

NOTE: When the plans call for a Type 1 or Type 4A End Treatment, a MASH eligibility letter from FHWA is required for these end terminals. When a MASH tested eligibility letter is not available for the end terminal being utilized, the most recent NCHRP 350 eligibility letter from FHWA for that terminal will apply. Acceptance of the terminal will be at the discretion of the Engineer.

Removal of Existing Signing Assemblies and Installation of Proposed Signing. A quantity of "Remove Sign" has been included for removal of existing signs along the corridor, as identified in the Remove Sign Summary. An estimated quantity of new signing and sign post is included on the Signing Summary. The Contractor and Engineer will work with the District Traffic Section to determine the final signing layout and sign types prior to installation of the proposed signing. Refer to the Special Note for Signing and the

General Notes & Description of Work
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Special Note for Signage for more details concerning the procedures for determining and staking the final layout and installation of the signing.

Trim & Remove Trees, Stumps, and Brush. There are locations within the project where Trees, Stumps, or Brush are to be removed and/or trimmed. Locations are noted on the Tree Removal & Trimming Summary. Refer to the Special Note for Tree, Stump, and Brush Removal for more information.

Special Note for Staking

Perform Contractor Staking according to Section 201; except, in addition to the requirements of Section 201, perform the following:

1. Contrary to Section 201.03.01, perform items 1 & 2 usually performed by the Engineer.
2. Using the proposed pavement superelevation rates, runout lengths, and runoff lengths, determine the necessary elevation changes along the edges of pavement for each proposed curve and the transitions leading into and out of each curve to achieve the proposed superelevation improvements. The intent is to provide a consistent superelevation throughout each proposed curve and smooth transitions into and out of each curve. Once the elevation changes along the edges of pavement for each proposed curve are determined and prior to starting paving operations, verify the proposed roadside re-grading corresponding to each curve can be constructed so that the new roadside will be flush with the new edges of pavement and the new toe of slope, or top of cut, will remain within the Right-of-Way, or within the general area noted on any applicable Consent & Releases, and/or not impact a sensitive obstruction. If necessary, and with the approval of the Engineer, reduce the proposed superelevation rate of a curve if the new elevations of the edges of pavement will cause the proposed roadside grading to extend beyond the Right-of-Way, or extend outside of the general area described on any applicable Consent & Releases, and/or impact a sensitive obstruction. Alternatively, with the approval of the Engineer and to the extent allowable by the "Roadside Regrading and Embankment Benching Details" and/or the Special Note for Roadside Regrading, the Contractor may be allowed to adjust the proposed dimensions of the roadside grading so the new toe of slope or top of cut will remain within the Right-of-Way, or within the general area noted on any applicable Consent & Releases, and/or not impact a sensitive obstruction. After the final proposed elevation changes along the edges of pavement for each curve are determined and before paving operations begin, submit to the Engineer and obtain approval for the number of asphalt lifts, each asphalt lift's thickness, and the mix design of each lift of Leveling & Wedging the contractor plans to use to achieve the proposed superelevation improvement. Ensure positive drainage upon completion of the work.
3. Verify the dimensions, type, and quantities of the culvert pipes, entrance pipes, and/or box culverts as listed and detailed in the proposal, and determine flow line elevations and slopes necessary to provide positive drainage. Revise as necessary to accommodate the existing site conditions; to provide proper alignment of the drainage structures with existing and/or proposed ditches, stream channels, swales, and the roadway lines and grades; and to ensure positive drainage upon completion of the work.
4. Using stakes, paint marks on the pavement, mag nails, and/or any other means approved by the Engineer, the Contractor shall mark and/or stake the proposed sign locations in the field. NOTE: The proposed signs are listed in the proposal by approximate location and are NOT to be taken as the exact location for the signs. During staking operations the Contractor shall review the signing layout and existing field conditions and look for potential conflicts, including but not limited to utilities, driveways, visual obstructions, etc. When conflicts are found, adjust the staked location of signs to mitigate conflicts. Because the sign locations in the proposal are approximate and the location of some signs may need to be adjusted due to conflicts, during staking operations the Contractor shall refer to and utilize the information in the Manual on Uniform on Traffic Control Devices (MUTCD), current edition. The MUTCD cover items such as: appropriate sign location, advance placement distances, and spacing requirements for signing. The intent is for the proposed signs to be consistent with, and meet the requirements of, the MUTCD. Once the proposed sign locations have been staked, notify and coordinate with the District Traffic Engineer, and perform a review of the staked locations. Adjust the staked

Staking
Page 2 of 2

locations, as directed by the District Traffic Engineer and obtain approval of the final staked locations. This review will also be used to determine if there are any existing signs that require removal and/or relocation. Provide the District Traffic Engineer with 2 weeks of notice when a route will be ready for a review of the staked locations. NOTE: The District Traffic Engineer may determine that the proposed signing, including sign types and messages, needs to be adjusted and/or modified from what is shown in the proposal. Therefore, the Contractor shall not order any sign material for a route until the route has been staked and final sign location approval has been given by the District Traffic Engineer.

5. Produce and furnish to the Engineer "As Built" information for the superelevation improvements and the drainage improvements. For superelevation improvements, as built information will consist of a record of the final pavement cross slopes every 50 feet, for each lane of travel along the curves and the transitions into and out of the curves. Elevation data of the curve improvements is not necessary; simply the cross slope percentage every 50 feet. For the drainage improvements, as built information will consist of a final record of the actual types, sizes, and locations of the drainage structures (i.e. box inlets, headwalls, junction boxes, etc.), culvert pipes, and/or box culverts constructed. Final elevation data of the drainage improvements is not necessary.
6. Using paint marks on the pavement, and/or any other means approved by the Engineer, the Contractor shall layout and pre-mark the proposed striping, pavement markings, etc. Adjust as necessary to accommodate the existing site conditions and to provide proper alignment of the proposed thru and turning lanes. Obtain approval of the pre-marked layout from the Engineer and/or District Traffic Engineer prior to installing the striping and/or pavement markings.
7. Prior to incorporating into the work, obtain the Engineers approval of all revisions determined by the Contractor.
8. Perform any and all other staking operations required to control and construct the work.

Special Note for Completion Date & Liquidated Damages

I. COMPLETION DATE

The ultimate fixed completion date for this project will be October 31, 2025, with the Tree Trimming and Tree Removal work to be completed by May 31, 2025. Liquidated Damages for failure to complete the project on time will be assessed following Section 108.09.

II. LIQUIDATED DAMAGES

In addition to the requirements of Section 108.09, the Department will assess Liquidated Damages in the amount of **\$1,000** per hour for each hour, or fraction of an hour, for any and all lane closures that are in place beyond the time frame(s) noted in the Traffic Control Plan and approved by the Engineer.

Contrary to Section 108.09, Liquidated Damages will be assessed regardless of whether seasonal limitations prohibit the Contractor from performing work on the controlling operation.

Trees and/or bushes that are 4 inches or greater (diameter at breast height) shall not be cut or trimmed between June 1st and July 31st. Any trees and/or bushes that are cut or trimmed between June 1st and July 31st will **NOT** receive payment at the contract unit price. Furthermore, failure to adhere to these restrictions shall result in Liquidated Damages in the amount of **\$344 (HSIP staff will calculate & verify using Imperiled Bat CMOA fee worksheet that DEA Biologist prepares)** per affected tree. Activities that are a part of this contract that do not involve the initial trimming and/or cutting of trees and/or bushes will be permitted under the ultimate fixed completion date.

Contrary to Section 108.09, Liquidated Damages will be assessed for the months of December through March.

All liquidated damages will be applied accumulatively.

All other applicable portions of Section 108 apply.

SPECIAL PROVISION FOR WASTE AND BORROW SITES

Obtain U.S. Army Corps of Engineer's approval before utilizing a waste or borrow site that involves "Waters of the United States". The Corps of Engineers defines "Waters of the United States" as perennial or intermittent streams, ponds or wetlands. The Corps of Engineers also considers ephemeral streams, typically dry except during rainfall but having a defined drainage channel, to be jurisdictional waters. Direct questions concerning any potential impacts to "Waters of the United States" to the attention of the appropriate District Office for the Corps of Engineers for a determination prior to disturbance. Be responsible for any fees associated with obtaining approval for waste and borrow sites from the U.S. Army Corps of Engineer or other appropriate regulatory agencies.

1-296 Waste & Borrow Sites
01/02/2012

COORDINATION OF WORK WITH OTHER CONTRACTS

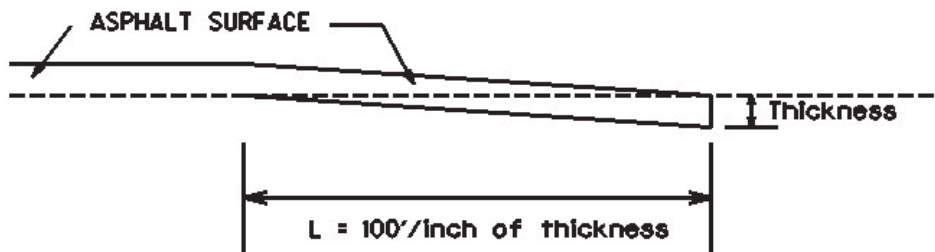
Be advised, there may be an active project(s) adjacent to or within this project. The Engineer will coordinate the work of the Contractors. See Section 105.06.

1-3193 Coordination Contracts
01/02/2012

SPECIAL NOTE FOR EDGE KEY

Construct Edge Keys at the beginning of project, end of project, at railroad crossings, and at ramps, as applicable. Unless specified in the Contract or directed by the Engineer, do not construct edge keys at intersecting streets, roads, alleys, or entrances. Cut out the existing asphalt surface to the required depth and width shown on the drawing and heel the new surface into the existing surface. The Department will make payment for this work at the Contract unit price per ton for Asphalt Pavement Milling and Texturing, which shall be full compensation for all labor, materials, equipment, and incidentals for removal and disposal of the existing asphalt surface required to construct the edge key.

EDGE KEY



Thickness = 1.25 Inches

L = 125 LF

L= Length of Edge Key

SPECIAL NOTE FOR ASPHALT MILLING AND TEXTURING

Begin paving operations within **48 hours** of commencement of the milling operation. Continue paving operations continuously until completed. If paving operations are not begun within this time period, the Department will assess liquidated damages at the rate prescribed by Section 108.09 until such time as paving operations are begun.

Take possession of the millings and recycle the millings or dispose of the millings off the Right-of-Way at sites obtained by the Contractor at no additional cost to the Department.

1-3520 48 hours Contractor keeps millings
01/2/2012

SPECIAL NOTE FOR TYPICAL SECTION DIMENSIONS

Consider the dimensions shown on the typical sections for pavement and shoulder widths and thickness' to be nominal or typical dimensions. The Engineer may direct or approve varying the actual dimensions to be constructed to fit existing conditions. Do not widen existing pavement or shoulders unless specified elsewhere in this proposal or directed by the engineer.

1-3725 Typical Section Dimensions
01/02/2012

TRAFFIC CONTROL PLAN
McCracken & Marshall County
US 68
ITEM NO. 1-9019.00

TRAFFIC CONTROL GENERAL

Except as provided herein, traffic shall be maintained in accordance with the current editions of the Manual on Uniform Traffic Control Devices (MUTCD), Standard Specifications, Supplemental Specifications, and the Standard and Sepia Drawings. Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic shall be paid at the lump sum bid price to “Maintain and Control Traffic”.

Contrary to Section 106.01, traffic control devices used on this project may be new, or used in like new condition, at the beginning of the work and maintained in like new condition until completion of the work. Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the contractor unless otherwise addressed, when no longer needed.

PROJECT PHASING & CONSTRUCTION PROCEDURES

The US 68 improvements begin just south of the US 68 and I-24 interchange in McCracken County and end near the Lakeside Campground and Marina at Kentucky Lake in Marshall County; the approximate length of the project is 23.377 miles. The proposed improvements include the following:

- Roadside regrading
- Superelevation improvements
- Tree trimming
- Drainage improvements/extensions/replacements
- Installation of guardrail
- Removal and replacement of existing signs and placement of new signs

Maintain alternating one-way traffic during construction. Provide a minimum clear lane width of 10 feet; however, provide for passage of vehicles of up to 16 feet in width. If traffic should be stopped due to construction operations, and a school bus or emergency vehicle on an official run arrives on the scene, make provisions for the passage of the school bus or emergency vehicle as quickly as possible.

Unless otherwise approved by the Engineer, no lane closures will be allowed during the following times:

Tater Day	3 pm Friday, March 28, 2025 – 8 pm Monday, March 31, 2025
Easter Weekend	3 pm Friday, April 18, 2025 – 8 pm Sunday, April 20, 2025
Memorial Day Weekend	3 pm Friday, May 23, 2025 – 8 pm Monday, May 26, 2025
Independence Day	7 am Friday, July 4, 2025 – 8 pm Sunday, July 6, 2025
Labor Day Weekend	3 pm Friday, August 29, 2025 – 8 pm Monday, September 1, 2025

At the discretion of the Engineer, additional days and hours may be specified when lane closures will not be allowed.

Traffic Control Plan
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The Contractor shall submit proposed lane and/or road closure days and times to the Engineer at least 14 calendar days in advance for approval. Liquidated Damages will be assessed for each hour or fraction of an hour that a lane and/or road closure is in place outside of an approved time period. See the Special Notes for Completion Dates & Liquidated Damages for details on the Liquidated Damages amount.

LANE CLOSURES

Long term lane closures shall not be allowed; therefore, lane closures will not be measured for payment. Do not leave lane closures in place during non-working hours and prohibited periods

TEMPORARY SIGNS

Temporary signposts and splices shall be compliant with NCHRP 350 or MASH. Manufacturer's documentation validating this compliance shall be provided to the Engineer prior to installation. Temporary signs, including any splices, shall be installed according to manufacturer's specifications and installation recommendations. Contrary to section 112.04.02, only long-term temporary signs (temporary signs intended to be continuously in place for more than 3 days) will be measured for payment. Short-term temporary signs (temporary signs intended to be left in place for 3 days or less) will not be measured for payment but will be incidental to Maintain and Control Traffic.

CHANGEABLE MESSAGE SIGNS

Provide changeable message signs in advance of and within the project at locations determined by the Engineer. If work is in progress concurrently in both directions or if more than one lane closure is in place in the same direction of travel, provide additional changeable message signs as directed by the Engineer. Place changeable message signs approximately one mile in advance of the anticipated queue at each lane closure. As the actual queue lengthens and/or shortens, relocate or provide additional changeable message signs so that traffic has warning of slowed or stopped traffic at least one mile but not more than two miles before reaching the end of the actual queue. The Engineer may vary the designated locations as the work progresses. The Engineer will determine the messages to be displayed. In the event of damage or mechanical/electrical failure, repair or replace the Changeable Message Sign. If the damage or mechanical/electrical failure is identified during active work operations, repair or replace the Changeable Message Sign within 6 hours. If the damage or mechanical/electrical failure is identified when there are no active work operations on the project, repair or replace the Changeable Message Sign within 12 hours. The Department will measure for payment the maximum number of Changeable Message Signs in concurrent use at the same time on a single day on all sections of the contract. The Department will measure individual Changeable Message Signs only once for payment, regardless of how many times they are set, reset, removed, and/or relocated during the duration of the project. The Department will not measure for payment any replacements for damaged Changeable Message Signs or any changeable message signs the Engineer directs to be replaced due to poor condition or readability. Retain possession of the Changeable Message Signs upon completion of the work.

BARRICADES

The Department will not measure barricades used in lieu of barrels and cones for channelization or delineation but shall be incidental to Maintain and Control Traffic according to Section 112.04.01.

Traffic Control Plan
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TEMPORARY ENTRANCES

The Engineer will not require the Contractor to provide continuous access to farms, single family, duplex, or triplex residential properties during working hours; however, provide reasonable egress and ingress to each such property when actual operations are not in progress at that location. Limit the time during which a farm or residential entrance is blocked to the minimum length of time required for actual operations, not extended for the Contractor's convenience, and in no case exceeding six (6) hours. Notify all residents twenty-four hours in advance of any driveway or entrance closings and make any accommodations necessary to meet the access needs of disabled residents.

Except as allowed by the Phasing as specified above, maintain direct access to all side streets and roads, schools, churches, commercial properties, and apartments or apartment complexes of four or more units at all times. Access to fire hydrants must also be maintained at all times

The Department will measure asphalt materials required to construct and maintain any temporary entrances which may be necessary to provide temporary access; however, the Department will not measure aggregates, excavation, and/or embankment, but shall be incidental to Maintain and Control Traffic. The Engineer will determine the type of surfacing material, asphalt or aggregate, to be used at each entrance.

PAVEMENT MARKINGS

If there is to be a deviation from the existing striping plan, the Engineer will furnish the Contractor a striping plan prior to placement of the final surface course. Install Temporary Striping according to Section 112 with the following exception:

If the Contractor's operations or phasing requires temporary markings that must subsequently be removed from the final surface course, use an approved removable lane tape; however, the Department will not measure removable lane tape for separate payment, but will measure and pay for removable lane tape as temporary striping.

PAVEMENT EDGE DROP-OFFS

Do not allow a pavement edge between opposing directions of traffic or lanes that traffic is expected to cross in a lane change situation with an elevation difference greater than 1½". Place Warning signs (MUTCD W8-11 or W8-9A) in advance of and at 1500' intervals throughout the drop-off area. Dual post the signs on both sides of the traveled way. Wedge all transverse transitions between resurfaced and un-resurfaced areas which traffic may cross with asphalt mixture for leveling and wedging. Remove the wedges prior to placement of the final surface course.

Protect pavement edges that traffic is not expected to cross, except accidentally, as follows:

Less than 2" - No protection required.

2" to 4" - Place plastic drums, vertical panels, or barricades every 50 feet. During daylight working hours only, the Engineer will allow the Contractor to use cones in lieu of plastic drums, panels, and barricades. Wedge the drop-off with DGA or asphalt mixture for leveling and

Traffic Control Plan
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wedging with a 1:1 or flatter slope in daylight hours, or 3:1 or flatter slope during nighttime hours, when work is not active in the drop-off area.

Greater than 4" - Protect drop-offs greater than 4 inches within 10 feet of traffic by placing drums, vertical panels, or barricades every 25 feet. The Engineer will not allow the use of cones in lieu of drums, vertical panels, or barricades for drop-offs greater than 4". Place Type III Barricades directly in front of the drop-off facing oncoming traffic in both directions of travel. Provide warning signs as shown on the Standard Drawings or as directed by the Engineer

Pedestrians & Bicycles - Protect pedestrian and bicycle traffic as directed by the Engineer.

USE AND PLACEMENT OF CHANGEABLE MESSAGE SIGNS

The following policy is based upon current Changeable Message Signs (CMS) standards and practice from many sources, including the Federal Highway Administration (FHWA), other State Departments of Transportation, and Traffic Safety Associations. It is understood that each CMS installation or use requires individual consideration due to the specific location or purpose. However, there will be elements that are constant in nearly all applications. Accordingly, these recommended guidelines bring a level of uniformity, while still being open to regional experience and engineering judgment.

Application

The primary purpose of CMS is to advise the driver of unexpected traffic and routing situations. Examples of applications where CMS can be effective include:

- Closures (road, lane, bridge, ramp, shoulder, interstate)
- Changes in alignment or surface conditions
- Significant delays, congestion
- Construction/maintenance activities (delays, future activities)
- Detours/alternative routes
- Special events with traffic and safety implications
- Crash/incidents
- Vehicle restrictions (width, height, weight, flammable)
- Advance notice of new traffic control devices
- Real-time traffic conditions (must be kept up to date)
- Weather /driving conditions, environmental conditions, Roadway Weather Information Systems
- Emergency Situations
- Referral to Highway Advisory Radio (if available)
- Messages as approved by the County Engineer's Office

CMS should not be used for:

- Replacement of static signs (e.g. ROAD WORK AHEAD), regulatory signage (e.g. speed limits), pavement markings, standard traffic control devices, conventional warning or guide signs.
- Replacement of lighted arrow board
- Advertising (Don't advertise the event unless clarifying "action" to be taken by driver – e.g. Speedway traffic next exit)

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- Generic messages
- Test messages (portable signs only)
- Describe recurrent congestion (e.g. rush hour)
- Public service announcements (not traffic related)

Messages

Basic principles that are important to providing proper messages and ensuring the proper operation of a CMS are:

- Visible for at least ½ mile under ideal daytime and nighttime conditions
- Legible from all lanes a minimum of 650 feet
- Entire message readable twice while traveling at the posted speed
- No more than two message panels should be used (three panels may be used on roadways where vehicles are traveling less than 45 mph). A panel is the message that fits on the face of the sign without flipping or scrolling.
- Each panel should convey a single thought; short and concise
- Do not use two unrelated panels on a sign
- Do not use the sign for two unrelated messages
- Should not scroll text horizontally or vertically
- Should not contain both the words left and right
- Use standardized abbreviations and messages
- Should be accurate and timely
- Avoid filler/unnecessary words and periods (hazardous, a, an, the)
- Avoid use of speed limits
- Use words (not numbers) for dates

Placement

Placement of the CMS is important to ensure that the sign is visible to the driver and provides ample time to take any necessary action. Some of the following principles may only be applicable to controlled access roadways. The basic principles of placement for a CMS are:

- When 2 signs are needed, place on same side of roadway and at least 1,000 feet apart
- Place behind semi-rigid/rigid protection (guardrail, barrier) or outside of the clear zone
- Place 1,000 feet in advance of work zone; at least one mile ahead of decision point
- Normally place on right side of roadway; but should be placed closest to the affected lane so that either side is acceptable
- Signs should not be dual mounted (one on each side of roadway facing same direction)
- Point trailer hitch downstream
- Secure to immovable object to prevent theft (if necessary)
- Do not place in sags or just beyond crest
- Check for reflection of sun to prevent the blinding of motorist
- Should be turned ~3 degrees outward from perpendicular to the edge of pavement
- Bottom of sign should be 7 feet above the elevation of edge of roadway
- Should be removed when not in use

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Standard Abbreviations

The following is a list of standard abbreviations to be used on CMS:

<u>Word</u>	<u>Abbrev</u>	<u>Example</u>
Access	ACCS	CRASH AHEAD/ USE ACCS RD NEXT RIGHT
Alternate	ALT	CRASH AHEAD/ USE ALT RTE NEXT RIGHT
Avenue	AVE	FIFTH AVE CLOSED/ DETOUR NEXT LEFT
Blocked	BLKD	FIFTH AVE BLKD/ MERGE LEFT
Boulevard	BLVD	MAIN BLVD CLOSED/ USE ALT RTE
Bridge	BRDG	SMITH BRDG CLOSED/ USE ALT RTE
Cardinal Directions	N, S, E, W	N I75 CLOSED/ DETOUR EXIT 30
Center	CNTR	CNTR LANE CLOSED/ MERGE LEFT
Commercial	COMM	OVRSZ COMM VEH/ USE I275
Condition	COND	ICY COND POSSIBLE
Congested	CONG	HVY CONG NEXT 3 MI
Construction	CONST	CONST WORK AHEAD/ EXPECT DELAYS
Downtown	DWNTN	DWNTN TRAF USE EX 40
Eastbound	E-BND	E-BND I64 CLOSED/ DETOUR EXIT 20
Emergency	EMER	EMER VEH AHEAD/ PREPARE TO STOP
Entrance, Enter	EX, EXT	DWNTN TRAF USE EX 40
Expressway	EXPWY	WTRSN EXPWY CLOSED/ DETOUR EXIT 10
Freeway	FRWY, FWY	GN SYNDR FWY CLOSED/ DETOUR EXIT 15
Hazardous Materials	HAZMAT	HAZMAT IN ROADWAY/ ALL TRAF EXIT 25
Highway	HWY	CRASH ON AA HWY/ EXPECT DELAYS
Hour	HR	CRASH ON AA HWY/ 2 HR DELAY
Information	INFO	TRAF INFO TUNE TO 1240 AM
Interstate	I	E-BND I64 CLOSED/ DETOUR EXIT 20
Lane	LN	LN CLOSED MERGE LEFT
Left	LFT	LANE CLOSED MERGE LFT
Local	LOC	LOC TRAF USE ALT RTE
Maintenance	MAINT	MAINT WRK ON BRDG/ SLOW
Major	MAJ	MAJ DELAYS I75/ USE ALT RTE
Mile	MI	CRASH 3 MI AHEAD/ USE ALT RTE
Minor	MNR	CRASH 3 MI MNR DELAY
Minutes	MIN	CRASH 3 MI/ 30 MIN DELAY
Northbound	N-BND	N-BND I75 CLOSED/ DETOUR EXIT 50
Oversized	OVRSZ	OVRSZ COMM VEH/ USE I275 NEXT RIGHT
Parking	PKING	EVENT PKING NEXT RGT
Parkway	PKWY	CUM PKWAY TRAF/ DETOUR EXIT 60
Prepare	PREP	CRASH 3 MI/ PREP TO STOP
Right	RGT	EVENT PKING NEXT RGT
Road	RD	HAZMAT IN RD/ ALL TRAF EXIT 25
Roadwork	RDWK	RDWK NEXT 4 MI/ POSSIBLE DELAYS
Route	RTE	MAJ DELAYS I75/ USE ALT RTE
Shoulder	SHLDR	SHLDR CLOSED NEXT 5 MI
Slippery	SLIP	SLIP COND POSSIBLE/ SLOW SPD
Southbound	S-BND	S-BND I75 CLOSED/ DETOUR EXIT 50
Speed	SPD	SLIP COND POSSIBLE/ SLOW SPD

Traffic Control Plan
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Standard Abbreviations (cont.)

<u>Word</u>	<u>Abbrev</u>	<u>Example</u>
Street	ST	MAIN ST CLOSED/ USE ALT RTE
Traffic	TRAF	CUM PKWAY TRAF/ DETOUR EXIT 60
Vehicle	VEH	OVRSZ COMM VEH/ USE I275 NEXT RIGHT
Westbound	W-BND	W-BND I64 CLOSED/ DETOUR EXIT 50
Work	WRK	CONST WRK 2MI/ POSSIBLE DELAYS

Certain abbreviations are prone to inviting confusion because another word is abbreviated or could be abbreviated in the same way. DO NOT USE THESE ABBREVIATIONS:

<u>Abbrev</u>	<u>Intended Word</u>	<u>Word Erroneously Given</u>
ACC	Accident	Access (Road)
CLRS	Clears	Colors
DLY	Delay	Daily
FDR	Feeder	Federal
L	Left	Lane (merge)
LOC	Local	Location
LT	Light (traffic)	Left
PARK	Parking	Park
POLL	Pollution (index)	Poll
RED	Reduce	Red
STAD	Stadium	Standard
TEMP	Temporary	Temperature
WRNG	Warning	Wrong

Typical Messages

The following is a list of typical messages used on CMS. The list consists of the reason or problem that you want the driver to be aware of and the action that you want the driver to take.

<u>Reason/Problem</u>	<u>Action</u>
CRASH AHEAD	ALL TRAFFIC EXIT RT
CRASH/XX MILES	AVOID DELAY USE XX
XX ROAD CLOSED	CONSIDER ALT ROUTE
XX EXIT CLOSED	DETOUR
BRIDGE CLOSED	DETOUR XX MILES
BRIDGE/(SLIPPERY, ICE, ETC.)	DO NOT PASS
CENTER/LANE/CLOSED	EXPECT DELAYS
DELAY(S), MAJOR/DELAYS	FOLLOW ALT ROUTE
DEBRIS AHEAD	KEEP LEFT
DENSE FOG	KEEP RIGHT
DISABLED/VEHICLE	MERGE XX MILES
EMER/VEHICLES/ONLY	MERGE LEFT
EVENT PARKING	MERGE RIGHT
EXIT XX CLOSED	ONE-WAY TRAFFIC
FLAGGER XX MILES	PASS TO LEFT

Typical Messages (cont.)

Reason/Problem	Action
FOG XX MILES	PASS TO RIGHT
FREEWAY CLOSED	PREPARE TO STOP
FRESH OIL	REDUCE SPEED
HAZMAT SPILL	SLOW
ICE	SLOW DOWN
INCIDENT AHEAD	STAY IN LANE
LANES (NARROW, SHIFT, MERGE, ETC.)	STOP AHEAD
LEFT LANE CLOSED	STOP XX MILES
LEFT LANE NARROWS	TUNE RADIO 1610 AM
LEFT 2 LANES CLOSED	USE NN ROAD
LEFT SHOULDER CLOSED	USE CENTER LANE
LOOSE GRAVEL	USE DETOUR ROUTE
MEDIAN WORK XX MILES	USE LEFT TURN LANE
MOVING WORK ZONE, WORKERS IN ROADWAY	USE NEXT EXIT
NEXT EXIT CLOSED	USE RIGHT LANE
NO OVERSIZED LOADS	WATCH FOR FLAGGER
NO PASSING	
NO SHOULDER	
ONE LANE BRIDGE	
PEOPLE CROSSING	
RAMP CLOSED	
RAMP (SLIPPERY, ICE, ETC.)	
RIGHT LANE CLOSED	
RIGHT LANE NARROWS	
RIGHT SHOULDER CLOSED	
ROAD CLOSED	
ROAD CLOSED XX MILES	
ROAD (SLIPPERY, ICE, ETC.)	
ROAD WORK	
ROAD WORK (OR CONSTRUCTION) (TONIGHT, TODAY, TOMORROW, DATE)	
ROAD WORK XX MILES	
SHOULDER (SLIPPERY, ICE, SOFT, BLOCKED, ETC.)	
NEW SIGNAL XX MILES	
SLOW 1 (OR 2) - WAY TRAFFIC	
SOFT SHOULDER	
STALLED VEHICLES AHEAD	
TRAFFIC BACKUP	
TRAFFIC SLOWS	
TRUCK CROSSING	
TRUCKS ENTERING	
TOW TRUCK AHEAD	
UNEVEN LANES	
WATER ON ROAD	
WET PAINT	
WORK ZONE XX MILES	
WORKERS AHEAD	



EXISTING
FILL SLOPE or
DITCH FORESLOPE

EXISTING
FILL SLOPE or
DITCH FORESLOPE

1. DETAILS DO NOT APPLY TO OVERLAYS LESS THAN 1 INCH THICK.
2. THE DURABLE PAVEMENT EDGE DEVICE MAY BE DISENGAGED AT DRIVEWAYS, SIDE STREETS, HIGH SHOULDERS, AND OTHER LOCATIONS NOT FEASIBLE TO CONSTRUCT, AS APPROVED BY THE ENGINEER.

DURABLE PAVEMENT EDGE DETAILS

	KENTUCKY TRANSPORTATION CABINET Department of Highways DIVISION OF RIGHT OF WAY & UTILITIES	TC 62-226 Rev. 01/2016 Page 1 of 1
RIGHT OF WAY CERTIFICATION		

<input checked="" type="checkbox"/> Original	<input type="checkbox"/> Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #	COUNTY	PROJECT # (STATE)	PROJECT # (FEDERAL)
1-9019.00	Marshall/McCraacken	FD52 079/073 0068 000-023 / 001-003	HSIP 1681(014)
PROJECT DESCRIPTION			
Install low-cost safety improving countermeasures along US 68 in Marshall and McCracken county			
<input checked="" type="checkbox"/> No Additional Right of Way Required			
Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.			
<input type="checkbox"/> Condition # 1 (Additional Right of Way Required and Cleared)			
All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.			
<input type="checkbox"/> Condition # 2 (Additional Right of Way Required with Exception)			
The right of way has not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract			
<input type="checkbox"/> Condition # 3 (Additional Right of Way Required with Exception)			
The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction.			
Total Number of Parcels on Project	0	EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
Number of Parcels That Have Been Acquired			
Signed Deed			
Condemnation			
Signed ROE			
Notes/ Comments (Use Additional Sheet if necessary)			
LPA RW Project Manager		Right of Way Supervisor	
Printed Name		Printed Name	Digitally signed by Frances Westlie
Signature		Signature	Frances Westlie
Date		Date	Date: 2024.12.17 09:54:18 -06'00'
Right of Way Director		FHWA	
Printed Name		Printed Name	No Signature Required as per FHWA-KYTC Current Stewardship Agreement
Signature	Digitally signed by Kelly Divine	Signature	
Date	Date: 2024.12.18 05:58:23 -06'00'	Date	

UTILITIES AND RAIL CERTIFICATION NOTE

**McCracken/Marshall County - HSIP 9010(447)
FD52 1550 C121 E143
Safety Improvements along US 68 from MP 1.550 to MP 2.677 & MP 0.000
to MP 22.250)
Item No. 1-9019.00**

GENERAL PROJECT NOTES ON UTILITIES

For all projects over 2000 linear feet, which are defined as a "Large Project" in KRS 367.4903(18), the awarded contractor shall initially mark the first 2000 linear feet minimally of proposed excavation or construction boundaries of the project to be worked using the procedure set forth in KRS 367.4909(9)(k). This temporary field locating of the project excavation boundary shall take place prior to submitting an excavation location request to the underground utility protection Kentucky Contact Center. For large projects, the awarded contractor shall work with the impacted utilities to determine when additional white lining of the remainder of the project site will take place. This provision shall not alter or relieve the awarded contractor from complying with requirements of KRS 367.4905 to 367.4917 in their entirety.

NOTE: The information presented in this Utility Note is informational in nature and the information contained herein is not guaranteed.

The contractor will be responsible for contacting all utility facility owners on the subject project to coordinate his/her activities. The contractor will coordinate his/her activities to minimize and, where possible, avoid conflicts with utility facilities. Due to the nature of the work proposed, it is unlikely to conflict with the existing utilities beyond minor facility adjustments. Where conflicts with utility facilities are unavoidable, the contractor will coordinate any necessary relocation work with the facility owner and Resident Engineer. The Kentucky Transportation Cabinet maintains the right to remove or alter portions of this contract if a utility conflict occurs. The utility facilities as noted in the previous section(s) have been determined using data garnered by varied means and with varying degrees of accuracy: from the facility owners, a result of S.U.E., field inspections, and/or reviews of record drawings. The facilities defined may not be inclusive of all utilities in the project scope and are not Level A quality, unless specified as such. It is the contractor's responsibility to verify all utilities and their respective locations before excavating.

The contractor shall make every effort to protect underground facilities from damage as prescribed in the Underground Facility Damage Protection Act of 1994, Kentucky Revised Statute KRS 367.4901 to 367.4917. It is the contractor's responsibility to determine and take steps necessary to be in compliance with federal and state damage prevention directives. The contractor is instructed to contact KY 811 for the location of existing underground utilities. Contact shall be made a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor shall submit Excavation Locate Requests to the Kentucky Contact Center (KY 811) via web ticket entry. The submission of this request does not relieve the contractor from the responsibility of contacting non-member facility owners, whom are to be contacted through their individual Protection Notification Center. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area. Non-compliance with these directives can result in the enforcement of penalties.

UTILITIES AND RAIL CERTIFICATION NOTE

McCracken/Marshall County - HSIP 9010(447)
FD52 1550 C121 E143
Safety Improvements along US 68 from MP 1.550 to MP 2.677 & MP 0.000
to MP 22.250)
Item No. 1-9019.00

NOTE: DO NOT DISTURB THE FOLLOWING UTILITIES LOCATED WITHIN THE PROJECT DISTURB LIMITS

List all applicable utilities whose facilities are present and are not to be disturbed during construction activities.
List utility type, utility size, and general utility location for each utility.

If an unknown utility is encountered, the contractor will be responsible for arranging an on-site meeting with utility representatives and the Engineer to discuss possible impacts and solutions to either avoid the utility or relocate the utility.

The Contractor is fully responsible for protection of all utilities listed above

THE FOLLOWING COMPANIES ARE RELOCATING/ADJUSTING THEIR UTILITIES WITHIN THE PROJECT LIMITS
AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

None

THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE COMPANY OR THE
COMPANY’S SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

None

THE FOLLOWING COMPANIES HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE ROAD
CONTRACTOR AS INCLUDED IN THIS CONTRACT

None

RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involvement ☐ Rail Involved ☐ Rail Adjacent

UTILITIES AND RAIL CERTIFICATION NOTE

McCracken/Marshall County - HSIP 9010(447)
FD52 1550 C121 E143
Safety Improvements along US 68 from MP 1.550 to MP 2.677 & MP 0.000
to MP 22.250)
Item No. 1-9019.00

AREA UTILITIES CONTACT LIST

<u>Utility Company/Agency</u>	<u>Contact Name</u>	<u>Contact Information</u>
1. Benton Gas	Todd Riley	triley@bentongas.org
2. West KY Rural Electric Co-op	Milton Jones	mjones@wkrecc.com
3. North Marshall Water District	Roger Colburn	nmwdsupervisor@gmail.com
4. AT&T	Amanda Berkley	as0063@att.com
5. Mediacom Cable	Brian Carter	bcarter@mediacomcc.com
6. Charter	Michael Vincent	michael.vincent@charter.com
7. WK&T	Tim Merrick	tmerrick.wk@wk.net
8. Windstream	James Galvin	james.galvin@windstream.com
9. Paducah Water	Jacob Northington	jnorthington@pwwky.com
10.		

NOTE: The Utilities Contact List is provided as informational only, and may not be a complete list of all Utility Companies with facilities in the project area.

KYTC BMP Plan for Project CID **1-9019**



Kentucky Transportation Cabinet

Highway District **1**

And

_____ (2), Construction

Kentucky Pollutant Discharge Elimination System

Permit KYR10

Best Management Practices (BMP) plan

Groundwater protection plan

For Highway Construction Activities

For

Highway Safety Improvement Project on **US 68 in
McCracken/Marshall County**

Project: CID **1-9019**

KYTC BMP Plan for Project CID 1-9019

Project information

Note – (1) = Design (2) = Construction (3) = Contractor

1. Owner – Kentucky Transportation Cabinet, District 1

2. Resident Engineer: (2)

3. Contractor name: (2)

Address: (2)

Phone number: (2)

Contact: (2)

Contractors agent responsible for compliance with the KPDES permit requirements (3):

4. Project Control Number: (2)

5. Route (Address): US 68

6. Latitude/Longitude (project mid-point): 36° 54' 58", -88° 19' 58"

7. County (project mid-point): Marshall

8. Project start date (date work will begin): (2)

9. Projected completion date: (2)

KYTC BMP Plan for Project CID **1-9019**

A. Site description:

1. Nature of Construction Activity (from letting project description): **Asphalt Pavement & Roadway Rehab**
2. Order of major soil disturbing activities: **(2) and (3)**
3. Projected volume of material to be moved: **230 LF Roadside Regrading**
4. Estimate of total project area (acres): **113.3 acres**
5. Estimate of area to be disturbed (acres): **5.5 acres**
6. Post construction runoff coefficient will be included in the project drainage folder. Persons needing information pertaining to the runoff coefficient will contact the resident engineer to request this information.
7. Data describing existing soil condition: **(1) & (2)**
8. Data describing existing discharge water quality (if any): **(1) & (2)**
9. Receiving water name: **Clarks River, Little Cypress Creek, Lyle Branch, Elender Creek, Howard Branch, Little John Creek, Chestnut Creek, Elizabeth Creek, Bear Creek, Ruff Creek, Kentucky Lake**
10. TMDLs and Pollutants of Concern in Receiving Waters: **No TDML's were involved on this project.**
11. Site map – Project layout sheet plus the erosion control sheets in the project plans that depict Disturbed Drainage Areas (DDAs) and related information. These sheets depict the existing project conditions with areas delineated by DDA (drainage area bounded by watershed breaks and right of way limits), the storm water discharge locations (either as a point discharge or as overland flow) and the areas that drain to each discharge point. These plans define the limits of areas to be disturbed and the location of control measures. Controls will be either site specific as designated by the designer or will be annotated by the contractor and resident engineer before disturbance commences. The project layout sheet shows the surface waters and wetlands.
12. Potential sources of pollutants:
The primary source of pollutants is solids that are mobilized during storm events. Other sources of pollutants include oil/fuel/grease from servicing and operating construction equipment, concrete washout water, sanitary wastes and trash/debris. **(3)**

KYTC BMP Plan for Project CID 1-9019

B. Sediment and Erosion Control Measures:

1. Plans for highway construction projects will include erosion control sheets that depict Disturbed Drainage Areas (DDAs) and related information. These plan sheets will show the existing project conditions with areas delineated by DDA within the right of way limits, the discharge points and the areas that drain to each discharge point. Project managers and designers will analyze the DDAs and identify Best Management Practices (BMPs) that are site specific. The balance of the BMPs for the project will be listed in the bid documents for selection and use by the contractor on the project with approval by the resident engineer.

Projects that do not have DDAs annotated on the erosion control sheets will employ the same concepts for development and managing BMP plans.

2. Following award of the contract, the contractor and resident engineer will annotate the erosion control sheets showing location and type of BMPs for each of the DDAs that will be disturbed at the outset of the project. This annotation will be accompanied by an order of work that reflects the order or sequence of major soil moving activities. The remaining DDAs are to be designated as "Do Not Disturb" until the contractor and resident engineer prepare the plan for BMPs to be employed. The initial BMP's shall be for the first phase (generally Clearing and Grubbing) and shall be modified as needed as the project changes phases. The BMP Plan will be modified to reflect disturbance in additional DDA's as the work progresses. All DDA's will have adequate BMP's in place before being disturbed.
3. As DDAs are prepared for construction, the following will be addressed for the project as a whole or for each DDA as appropriate:
 - Construction Access – This is the first land-disturbing activity. As soon as construction begins, bare areas will be stabilized with gravel and temporary mulch and/or vegetation.
 - At the beginning of the project, all DDAs for the project will be inspected for areas that are a source of storm water pollutants. Areas that are a source of pollutants will receive appropriate cover or BMPs to arrest the introduction of pollutants into storm water. Areas that have not been opened by the contractor will be inspected periodically (once per month) to determine if there is a need to employ BMPs to keep pollutants from entering storm water.
 - Clearing and Grubbing – The following BMP's will be considered and used where appropriate.

KYTC BMP Plan for Project CID 1-9019

- Leaving areas undisturbed when possible.
- Silt basins to provide silt volume for large areas.
- Silt Traps Type A for small areas.
- Silt Traps Type C in front of existing pipes and drop inlets which are to be saved
- Diversion ditches to catch sheet runoff and carry it to basins or traps or to divert it around areas to be disturbed.
- Brush and/or other barriers to slow and/or divert runoff.
- Silt fences to catch sheet runoff on short slopes. For longer slopes, multiple rows of silt fence may be considered.
- Temporary Mulch for areas which are not feasible for the fore mentioned types of protections.
- Non-standard or innovative methods.
- Cut & Fill and placement of drainage structures - The BMP Plan will be modified to show additional BMP's such as:
 - Silt Traps Type B in ditches and/or drainways as they are completed
 - Silt Traps Type C in front of pipes and drop inlets after they are placed
 - Channel Lining
 - Erosion Control Blanket
 - Temporary mulch and/or seeding for areas where construction activities will be ceased for 21 days or more.
 - Non-standard or innovative methods
- Profile and X-Section in place – The BMP Plan will be modified to show elimination of BMP's which had to be removed and the addition of new BMP's as the roadway was shaped. Probable changes include:
 - Silt Trap Type A, Brush and/or other barriers, Temporary Mulch, and any other BMP which had to be removed for final grading to take place.
 - Additional Silt Traps Type B and Type C to be placed as final drainage patterns are put in place.
 - Additional Channel Lining and/or Erosion Control Blanket.
 - Temporary Mulch for areas where Permanent Seeding and Protection cannot be done within 21 days.
 - Special BMP's such as Karst Policy
- Finish Work (Paving, Seeding, Protect, etc.) – A final BMP Plan will result from modifications during this phase of construction. Probable changes include:
 - Removal of Silt Traps Type B from ditches and drainways if they are protected with other BMP's which are sufficient to control erosion, i.e. Erosion Control Blanket or Permanent Seeding and Protection on moderate grades.
 - Permanent Seeding and Protection

KYTC BMP Plan for Project CID **1-9019**

- Placing Sod
- Planting trees and/or shrubs where they are included in the project
- BMP's including Storm Water Management Devices such as velocity dissipation devices and Karst policy BMP's to be installed during construction to control the pollutants in storm water discharges that will occur after construction has been completed are: *This project does not include storm water BMPs or flow controls for post-construction use.*

C. Other Control Measures

1. No solid materials, including building materials, shall be discharged to waters of the commonwealth, except as authorized by a Section 404 permit.
2. Waste Materials

All waste materials that may leach pollutants (paint and paint containers, caulk tubes, oil/grease containers, liquids of any kind, soluble materials, etc.) will be collected and stored in appropriate covered waste containers. Waste containers shall be removed from the project site on a sufficiently frequent basis as to not allow wastes to become a source of pollution. All personnel will be instructed regarding the correct procedure for waste disposal. Wastes will be disposed in accordance with appropriate regulations. Notices stating these practices will be posted in the office.

3. Hazardous Waste

All hazardous waste materials will be managed and disposed of in the manner specified by local or state regulation. The contractor shall notify the Section Engineer if there any hazardous wastes being generated at the project site and how these wastes are being managed. Site personnel will be instructed with regard to proper storage and handling of hazardous wastes when required. The Transportation Cabinet will file for generator, registration when appropriate, with the Division of Waste Management and advise the contractor regarding waste management requirements.

4. Spill Prevention

The following material management practices will be used to reduce the risk of spills or other exposure of materials and substances to the weather and/or runoff.

KYTC BMP Plan for Project CID **1-9019**

➤ **Good Housekeeping:**

The following good housekeeping practices will be followed onsite during the construction project.

- An effort will be made to store only enough product required to do the job
- All materials stored onsite will be stored in a neat, orderly manner in their appropriate containers and, if possible, under a roof or other enclosure
- Products will be kept in their original containers with the original manufacturer's label
- Substances will not be mixed with one another unless recommended by the manufacturer
- Whenever possible, all of the product will be used up before disposing of the container
- Manufacturers' recommendations for proper use and disposal will be followed
- The site contractor will inspect daily to ensure proper use and disposal of materials onsite

➤ **Hazardous Products:**

These practices will be used to reduce the risks associated with any and all hazardous materials.

- Products will be kept in original containers unless they are not resealable
- Original labels and material safety data sheets (MSDS) will be reviewed and retained
- Contractor will follow procedures recommended by the manufacturer when handling hazardous materials
- If surplus product must be disposed of, manufacturers' or state/local recommended methods for proper disposal will be followed

The following product-specific practices will be followed onsite:

➤ **Petroleum Products:**

Vehicles and equipment that are fueled and maintained on site will be monitored for leaks, and receive regular preventative maintenance to reduce the chance of leakage. Petroleum products onsite will be stored in tightly sealed containers, which are clearly labeled and will be protected from exposure to weather.

The contractor shall prepare an Oil Pollution Spill Prevention Control and Countermeasure plan when the project that involves the storage of petroleum

KYTC BMP Plan for Project CID **1-9019**

products in 55 gallon or larger containers with a total combined storage capacity of 1,320 gallons. This is a requirement of 40 CFR 112.

This project (will / will not) **(3)** have over 1,320 gallons of petroleum products with a total capacity, sum of all containers 55 gallon capacity and larger.

➤ **Fertilizers:**

Fertilizers will be applied at rates prescribed by the contract, standard specifications or as directed by the resident engineer. Once applied, fertilizer will be covered with mulch or blankets or worked into the soil to limit exposure to storm water. Storage will be in a covered shed. The contents of any partially used bags of fertilizer will be transferred to a sealable plastic bin to avoid spills.

➤ **Paints:**

All containers will be tightly sealed and stored indoors or under roof when not being used. Excess paint or paint wash water will not be discharged to the drainage or storm sewer system but will be properly disposed of according to manufacturers' instructions or state and local regulations.

➤ **Concrete Truck Washout:**

Concrete truck mixers and chutes will not be washed on pavement, near storm drain inlets, or within 75 feet of any ditch, stream, wetland, lake, or sinkhole. Where possible, excess concrete and wash water will be discharged to areas prepared for pouring new concrete, flat areas to be paved that are away from ditches or drainage system features, or other locations that will not drain off site. Where this approach is not possible, a shallow earthen wash basin will be excavated away from ditches to receive the wash water

➤ **Spill Control Practices**

In addition to the good housekeeping and material management practices discussed in the previous sections of this plan, the following practices will be followed for spill prevention and cleanup:

- Manufacturers' recommended methods for spill cleanup will be clearly posted. All personnel will be made aware of procedures and the location of the information and cleanup supplies.
- Materials and equipment necessary for spill cleanup will be kept in the material storage area. Equipment and materials will include as appropriate, brooms, dust pans, mops, rags, gloves, oil absorbents, sand, sawdust, and plastic and metal trash containers.
- All spills will be cleaned up immediately after discovery.

KYTC BMP Plan for Project CID 1-9019

- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate state/local agency as required by KRS 224 and applicable federal law.
- The spill prevention plan will be adjusted as needed to prevent spills from reoccurring and improve spill response and cleanup.
- Spills of products will be cleaned up promptly. Wastes from spill cleanup will be disposed in accordance with appropriate regulations.

D. Other State and Local Plans

This BMP plan shall include any requirements specified in sediment and erosion control plans, storm water management plans or permits that have been approved by other state or local officials. Upon submittal of the NOI, other requirements for surface water protection are incorporated by reference into and are enforceable under this permit (even if they are not specifically included in this BMP plan). This provision does not apply to master or comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit issued for the construction site by state or local officials. *There are no other local (MS4) requirements that are expected to be necessary for this project.*

E. Maintenance

1. The BMP plan shall include a clear description of the maintenance procedures necessary to keep the control measures in good and effective operating condition.
- Maintenance of BMPs during construction shall be a result of weekly and post rain event inspections with action being taken by the contractor to correct deficiencies.
 - Post Construction maintenance will be a function of normal highway maintenance operations. Following final project acceptance by the cabinet, district highway crews will be responsible for identification and correction of deficiencies regarding ground cover and cleaning of storm water BMPs. The project manager shall identify any BMPs that will be for the purpose of post construction storm water management with specific guidance for any non-routine maintenance. *There are no such BMP's for this project.*

F. Inspections

KYTC BMP Plan for Project CID 1-9019

Inspection and maintenance practices that will be used to maintain erosion and sediment controls:

- All erosion prevention and sediment control measures will be inspected at least once each week and following any rain of one-half inch or more.
- Inspections will be conducted by individuals that have successfully completed the KEPSC-RI course as required by Section 213.02.02 of the Standard Specifications for Road and Bridge Construction, current edition.
- Inspection reports will be written, signed, dated, and kept on file.
- Areas at final grade will be seeded and mulched within 14 days.
- Areas that are not at final grade where construction has ceased for a period of 21 days or longer and soil stock piles shall receive temporary mulch no later than 14 days from the last construction activity in that area.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of being reported.
- Built-up sediment will be removed from behind the silt fence before it has reached halfway up the height of the fence.
- Silt fences will be inspected for bypassing, overtopping, undercutting, depth of sediment, tears, and to ensure attachment to secure posts.
- Sediment basins will be inspected for depth of sediment, and built-up sediment will be removed when it reaches 50 percent of the design capacity and at the end of the job.
- Diversion dikes and berms will be inspected and any breaches promptly repaired. Areas that are eroding or scouring will be repaired and re-seeded / mulched as needed.
- Temporary and permanent seeding and mulching will be inspected for bare spots, washouts, and healthy growth. Bare or eroded areas will be repaired as needed.
- All material storage and equipment servicing areas that involve the management of bulk liquids, fuels, and bulk solids will be inspected weekly for conditions that represent a release or possible release of pollutants to the environment.

G. Non – Storm Water discharges

It is expected that non-storm water discharges may occur from the site during the construction period. Examples of non-storm water discharges include:

- Water from water line flushings.
- Water from cleaning concrete trucks and equipment.
- Pavement wash waters (where no spills or leaks of toxic or hazardous materials have occurred).

KYTC BMP Plan for Project CID 1-9019

- Uncontaminated groundwater and rain water (from dewatering during excavation).

All non-storm water discharges will be directed to the sediment basin or to a filter fence enclosure in a flat vegetated infiltration area or be filtered via another approved commercial product.

H. Groundwater Protection Plan (3)

This plan serves as the groundwater protection plan as required by 401 KAR 5:037.

- Contractors statement: (3)

The following activities, as enumerated by 401 KAR 5:037 Section 2 that require the preparation and implementation of a groundwater protection plan, will or may be may be conducted as part of this construction project:

_____ 2. (e) land treatment or land disposal of a pollutant;

_____ 2. (f) Storing, ..., or related handling of hazardous waste, solid waste or special waste, ..., in tanks, drums, or other containers, or in piles, (This does not include wastes managed in a container placed for collection and removal of municipal solid waste for disposal off site);

_____ 2. (g) Handling of materials in bulk quantities (equal or greater than 55 gallons or 100 pounds net dry weight transported held in an individual container) that, if released to the environment, would be a pollutant;

_____ 2. (j) Storing or related handling of road oils, dust suppressants,, at a central location;

_____ 2. (k) Application or related handling of road oils, dust suppressants or deicing materials, (does not include use of chloride-based deicing materials applied to roads or parking lots);

_____ 2. (m) Installation, construction, operation, or abandonment of wells, bore holes, or core holes, (this does not include bore holes for the purpose of explosive demolition);

Or, check the following only if there are no qualifying activities

_____ There are no activities for this project as listed in 401 KAR 5:037 Section 2 that require the preparation and implementation of a groundwater protection plan.

KYTC BMP Plan for Project CID 1-9019

The contractor is responsible for the preparation of a plan that addresses the 401 KAR 5:037 Section 3. (3) Elements of site specific groundwater protection plan:

- (a) General information about this project is covered in the Project information;
- (b) Activities that require a groundwater protection plan have been identified above;
- (c) Practices that will protect groundwater from pollution are addressed in section C. Other control measures.
- (d) Implementation schedule – all practices required to prevent pollution of groundwater are to be in place prior to conducting the activity;
- (e) Training is required as a part of the ground water protection plan. All employees of the contractor, sub-contractor and resident engineer personnel will be trained to understand the nature and requirements of this plan as they pertain to their job function(s). Training will be accomplished within one week of employment and annually thereafter. A record of training will be maintained by the contractor with a copy provide to the resident engineer.
- (f) Areas of the project and groundwater plan activities will be inspected as part of the weekly sediment and erosion control inspections
- (g) Certification (see signature page.)

KYTC BMP Plan for Project CID 1-9019

Contractor and Resident Engineer Plan certification

The contractor that is responsible for implementing this BMP plan is identified in the Project Information section of this plan.

The following certification applies to all parties that are signatory to this BMP plan:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Further, this plan complies with the requirements of 401 KAR 5:037. By this certification, the undersigned state that the individuals signing the plan have reviewed the terms of the plan and will implement its provisions as they pertain to ground water protection.

Resident Engineer and Contractor Certification:

(2) Resident Engineer signature

Signed _____ title _____, _____
Typed or printed name² signature

(3) Signed _____ title _____, _____
Typed or printed name¹ signature

1. Contractors Note: to be signed by a person who is the owner, a responsible corporate officer, a general partner or the proprietor or a person designated to have the authority to sign reports by such a person in accordance with 401 KAR 5:060 Section 9. This delegation shall be in writing to: Manager, KPDES Branch, Division of Water, 14 Reilly Road, Frankfort Kentucky 40601. Reference the Project Control Number (PCN) and KPDES number when one has been issued.
2. KyTC note: to be signed by the Chief District Engineer or a person designated to have the authority to sign reports by such a person (usually the resident engineer) in accordance with 401 KAR 5:060 Section 9. This delegation shall be in writing to: Manager, KPDES Branch, Division of Water, 14 Reilly Road, Frankfort Kentucky 40601 Reference the Project Control Number (PCN) and KPDES number when one has been issued.

KYTC BMP Plan for Project CID 1-9019

Sub-Contractor Certification

The following sub-contractor shall be made aware of the BMP plan and responsible for implementation of BMPs identified in this plan as follows:

Subcontractor

Name:
Address:
Address:

Phone:

The part of BMP plan this subcontractor is responsible to implement is:

I certify under penalty of law that I understand the terms and conditions of the general Kentucky Pollutant Discharge Elimination System permit that authorizes the storm water discharges, the BMP plan that has been developed to manage the quality of water to be discharged as a result of storm events associated with the construction site activity and management of non-storm water pollutant sources identified as part of this certification.

Signed _____ title _____,
Typed or printed name¹ signature

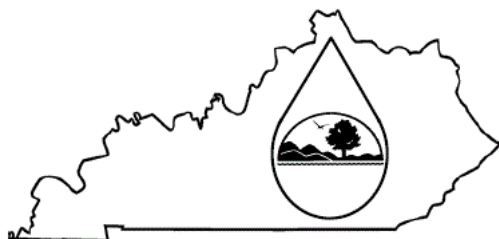
1. Sub Contractor Note: to be signed by a person who is the owner, a responsible corporate officer, a general partner or the proprietor or a person designated to have the authority to sign reports by such a person in accordance with 401 KAR 5:060 Section 9. This delegation shall be in writing to: Manager, KPDES Branch, Division of Water, 14 Reilly Road, Frankfort Kentucky 40601. Reference the Project Control Number (PCN) and KPDES number when one has been issued.

Item No.: 1-9019
MCCRACKEN/MARSHALL County
Highway Safety Improvement Project along US 68
from MP 1.55-2.677/0.00-22.25

An electronic Notice of Intent (eNOI) for obtaining coverage under the Kentucky Pollutant Discharge Elimination System (KPDES) General Permit for Stormwater Discharges Associated with Construction Activities (KYR10) has been drafted, a copy of which is attached. Upon award, the Contractor will be identified in Section III of the form as the "Building Contractor" and the eNOI will be submitted for approval to the Kentucky Division of Water. The Contractor shall be responsible for advancing the work within this contract in a manner that is compliant with all applicable and appropriate KYTC specifications for sediment and erosion control, as well as meeting the requirements of the KYR10 permit and the KDOW.

eForm Submittal ID: 450413

eForm Transaction ID: e6c079eb-b885-47a4-aeef-f0e0d30ffb37



KENTUCKY POLLUTION DISCHARGE ELIMINATION SYSTEM (KPDES)

Notice of Intent (NOI) for coverage of Storm Water Discharge
Associated with Construction Activities Under the KPDES Storm
Water General Permit KYR100000

Click here for Instructions
(Controls/KPDES_FormKYR10_Instructions.htm)

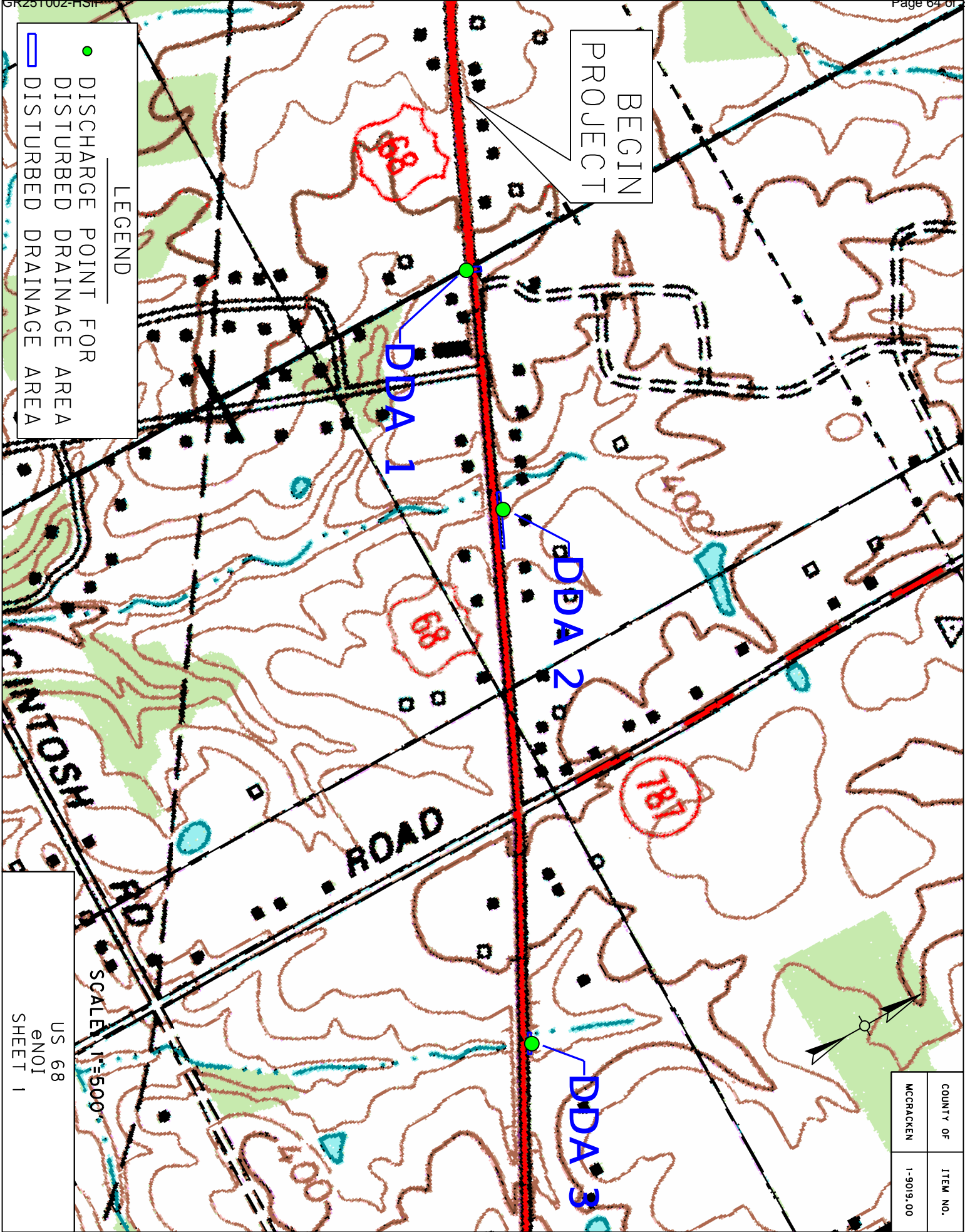
Click here to obtain information and a copy of the KPDES General Permit.
([https://eec.ky.gov/Environmental-
Protection/Water/PermitCert/KPDES/Documents/KYR10PermitPage.pdf](https://eec.ky.gov/Environmental-Protection/Water/PermitCert/KPDES/Documents/KYR10PermitPage.pdf))

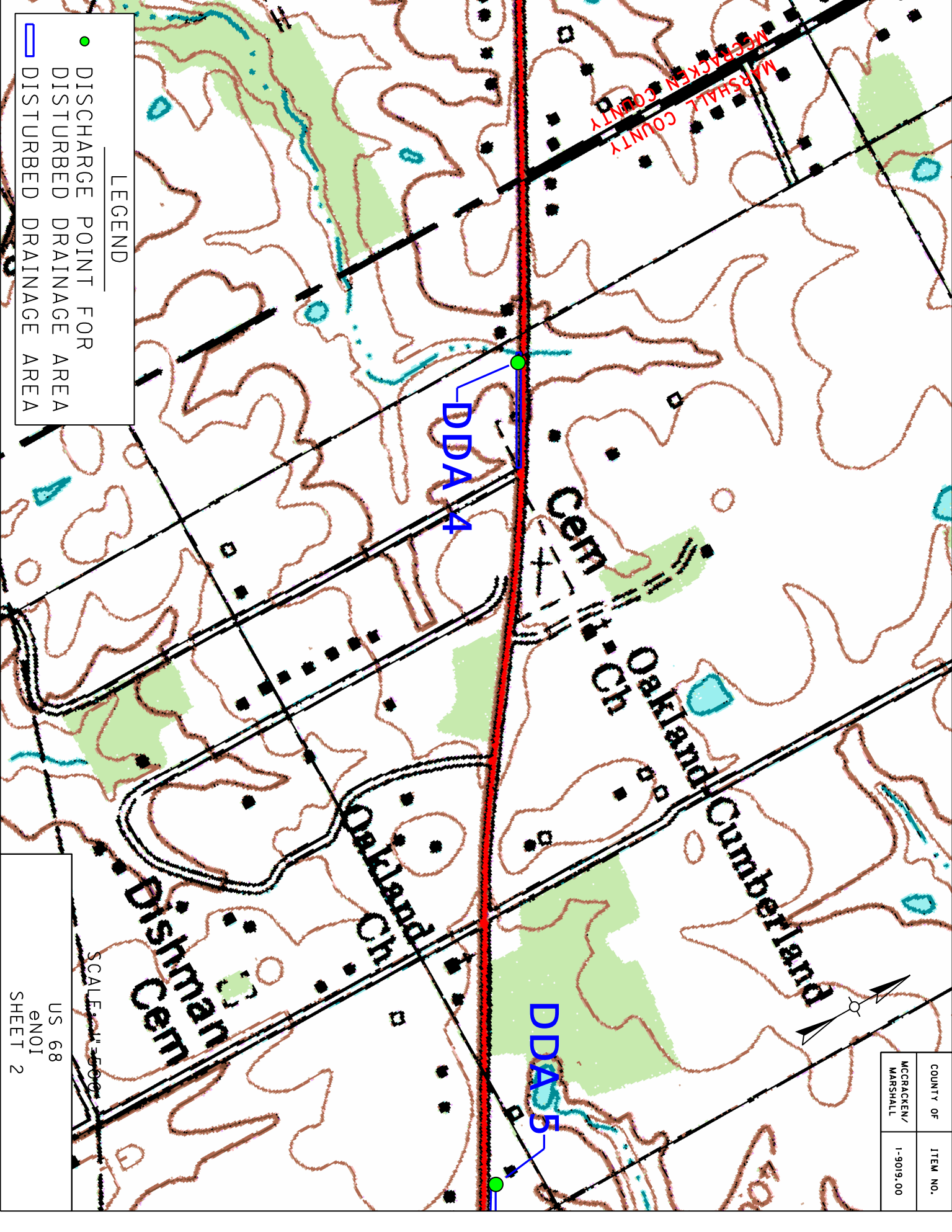
(*) indicates a required field; (✓) indicates a field may be required based on user input or is an
optionally required field

Reason for Submittal:(*) Application for New Permit Coverage ▼	Agency Interest ID: Agency Interest ID	Permit Number:(✓) KPDES Permit Number
If change to existing permit coverage is requested, describe the changes for which modification of coverage is being sought:(✓) 		
ELIGIBILITY: Stormwater discharges associated with construction activities disturbing individually one (1) acre or more, including, in the case of a common plan of development, contiguous construction activities that cumulatively equal one (1) acre or more of disturbance.		
EXCLUSIONS: The following are excluded from coverage under this general permit: 1) Are conducted at or on properties that have obtained an individual KPDES permit for the discharge of other wastewaters which requires the development and implementation of a Best Management Practices (BMP) plan; 2) Any operation that the DOW determines an individual permit would better address the discharges from that operation; 3) Any project that discharges to an Impaired Water listed in the most recent Integrated Report, §305(b) as impaired for sediment and for which an approved TMDL has been developed.		
SECTION I -- FACILITY OPERATOR INFORMATION (PERMITTEE)		
Company Name:(✓) Kentucky Transportation Cabinet; District 1	First Name:(✓) Kyle	M.I.: MI
Last Name:(✓) Poat		
Mailing Address:(*) 5501 Kentucky Dam Road	City:(*) Paducah	State:(*) Kentucky ▼
Zip:(*) 42003-9322		
eMail Address:(*) Kyle.Poat@ky.gov	Business Phone:(*) 270-898-2431	Alternate Phone: Phone
SECTION II -- GENERAL SITE LOCATION INFORMATION		
Project Name:(*) 1-9019	Status of Owner/Operator(*) State Government ▼	SIC Code(*) 1611 Highway and Street Const ▼
Company Name:(✓) Kentucky Transportation Cabinet; District 1	First Name:(✓) Kyle	M.I.: MI
Last Name:(✓) Poat		
Site Physical Address:(*) 5501 Kentucky Dam Road		
City:(*) Paducah	State:(*) Kentucky ▼	Zip:(*) 42003-9322
County:(*) McCracken ▼	Latitude(decimal degrees)(*)DMS to DD Converter (https://www.fcc.gov/media/radio/dms-decimal) 36.916247	Longitude(decimal degrees)(*) -88.332867
SECTION III -- SPECIFIC SITE ACTIVITY INFORMATION ?		
Project Description:(*) Highway safety improvement project that includes the following work: installing signs, installing guardrail, regrading the roadside, replacing/extending various pipes, trimmi		
a. For single projects provide the following information		

Total Number of Acres in Project:(✓) <div>113.3</div>		Total Number of Acres Disturbed:(✓) <div>5.5</div>				
Anticipated Start Date:(✓) <div>2/10/2025</div>		Anticipated Completion Date:(✓) <div>10/31/2025</div>				
b. For common plans of development provide the following information						
Total Number of Acres in Project:(✓) <div># Acre(s)</div>		Total Number of Acres Disturbed:(✓) <div># Acre(s)</div>				
Number of individual lots in development, if applicable:(✓) <div># lot(s)</div>		Number of lots in development:(✓) <div># lot(s)</div>				
Total acreage of lots intended to be developed:(✓) <div>Project Acres</div>		Number of acres intended to be disturbed at any one time:(✓) <div>Disturbed Acres</div>				
Anticipated Start Date:(✓) <div></div>		Anticipated Completion Date:(✓) <div></div>				
List Building Contractor(s) at the time of Application:(*)						
<div><div>+ Company Name</div><div></div></div>						
SECTION IV -- IF THE PERMITTED SITE DISCHARGES TO A WATER BODY THE FOLLOWING INFORMATION IS REQUIRED ?						
Discharge Point(s):						
	Unnamed Tributary?	Latitude	Longitude	Receiving Water Name	Delete	
1	No	36.823342	-88.197317	Kentucky Lake	Delete	
2	No	36.823258	-88.197472	Kentucky Lake	Delete	
3	No	36.824739	-88.197969	Kentucky Lake	Delete	
4	No	36.816192	-88.198664	Kentucky Lake	Delete	
5	No	36.816322	-88.198758	Kentucky Lake	Delete	
6	No	36.826778	-88.198764	Kentucky Lake	Delete	
7	No	36.815372	-88.199118	Kentucky Lake	Delete	
8	No	36.815056	-88.199558	Kentucky Lake	Delete	
9	No	36.831928	-88.202044	Kentucky Lake	Delete	
10	No	36.8324	-88.202403	Kentucky Lake	Delete	
SECTION V -- IF THE PERMITTED SITE DISCHARGES TO A MS4 THE FOLLOWING INFORMATION IS REQUIRED ?						
Name of MS4: <div></div>						
Date of application/notification to the MS4 for construction site permit coverage: <div>Date</div>		Discharge Point(s):(*)				
		<div><div>+ Latitude Longitude</div><div></div></div>				
SECTION VI -- WILL THE PROJECT REQUIRE CONSTRUCTION ACTIVITIES IN A WATER BODY OR THE RIPARIAN ZONE?						
Will the project require construction activities in a water body or the riparian zone?: (*)		<div>No</div>				
If Yes, describe scope of activity: (✓)		<div>describe scope of activity</div>				
Is a Clean Water Act 404 permit required?:(*)		<div>No</div>				

Is a Clean Water Act 401 Water Quality Certification required?:(*)		No	
SECTION VII -- NOI PREPARER INFORMATION			
First Name:(*) First Name	M.I.: MI	Last Name:(*) Last Name	Company Name:(*) Company Name
Mailing Address:(*) Mailing Address	City:(*) City	State:(*) ▼	Zip:(*) Zip
eMail Address:(*) eMail Address	Business Phone:(*) Phone		Alternate Phone: Phone
SECTION VIII -- ATTACHMENTS			
Facility Location Map:(*)		Upload file	
Supplemental Information:		Upload file	
SECTION IX -- CERTIFICATION			
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.			
Signature:(*) Signature		Title:(*) Title	
First Name:(*) First Name	M.I.: MI	Last Name:(*) Last Name	
eMail Address:(*) eMail Address	Business Phone:(*) Phone	Alternate Phone: Phone	Signature Date:(*) Date
<div>Click to Save Values for Future Retrieval</div> <div>Click to Submit to EEC</div>			





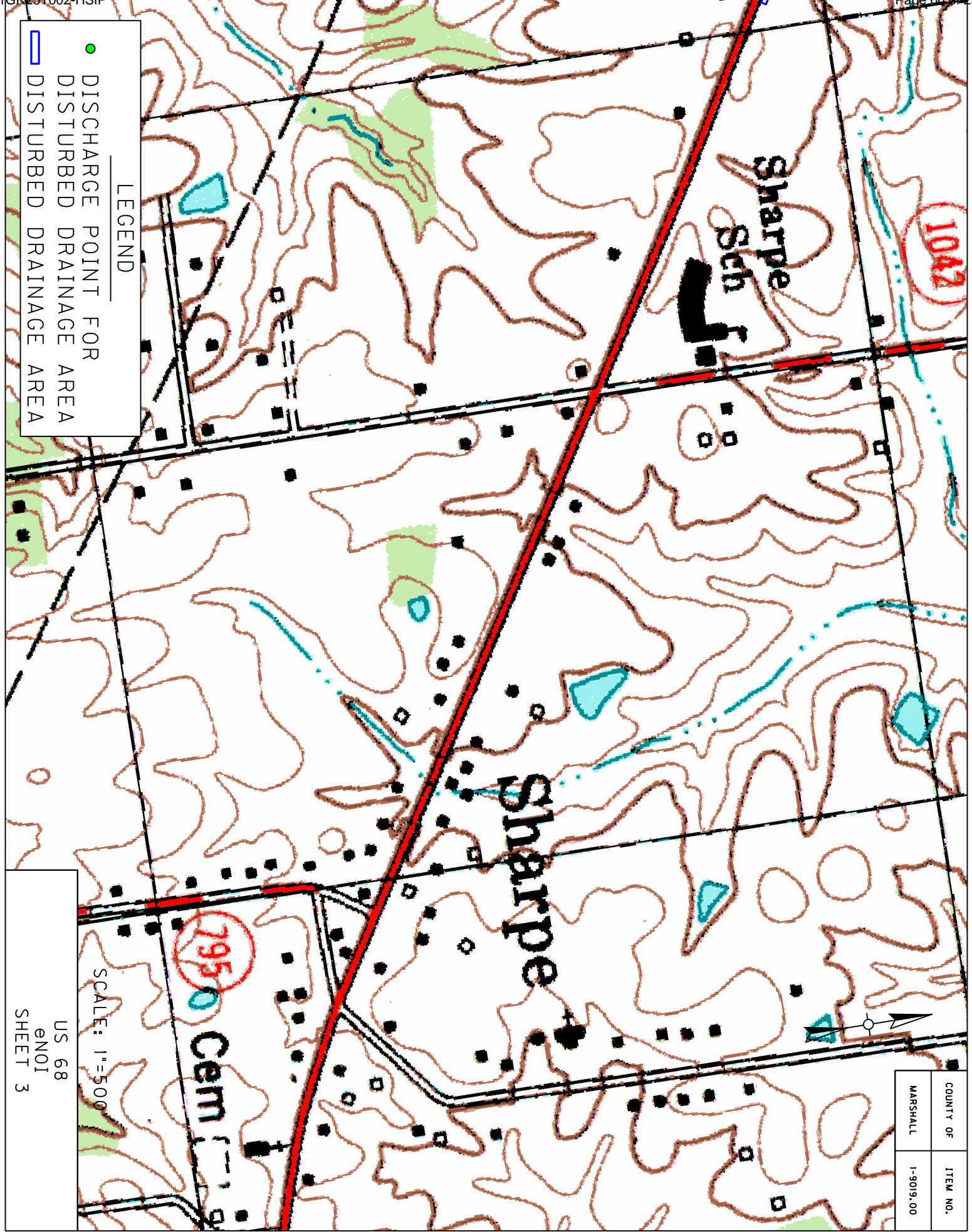
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- DISCHARGE POINT FOR
- DISTURBED DRAINAGE AREA
- DISTURBED DRAINAGE AREA

US 68
6N01
SHEET 2

SCALE 1" = 1000'

COUNTY OF	ITEM NO.
MCCRACKEN/ MARSHALL	1-9019.00



LEGEND

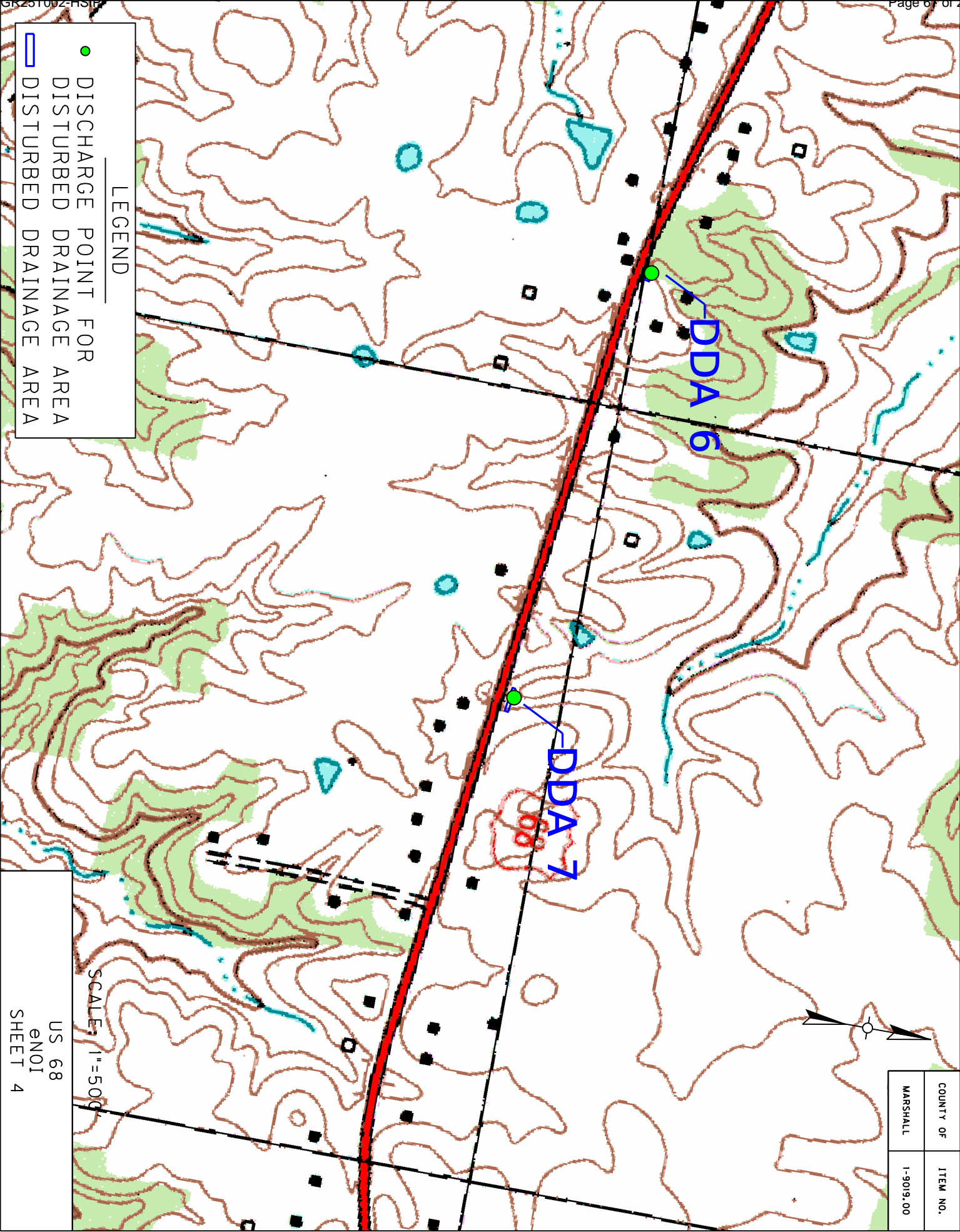
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- DISTURBED DRAINAGE AREA
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SCALE: 1"=500'

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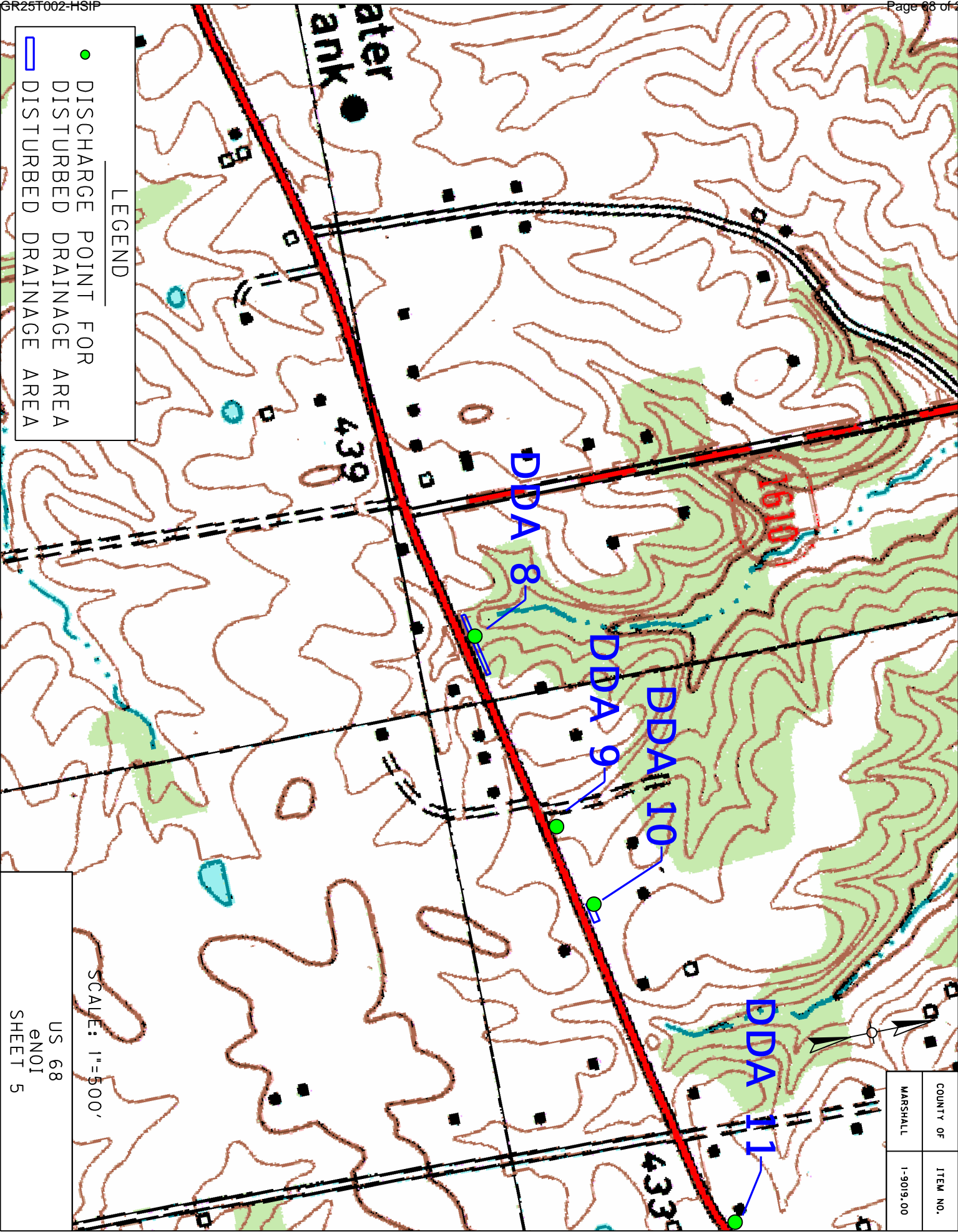
COUNTY OF	ITEM NO.
MARSHALL	1-9019.00



COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

US 68
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SHEET 4

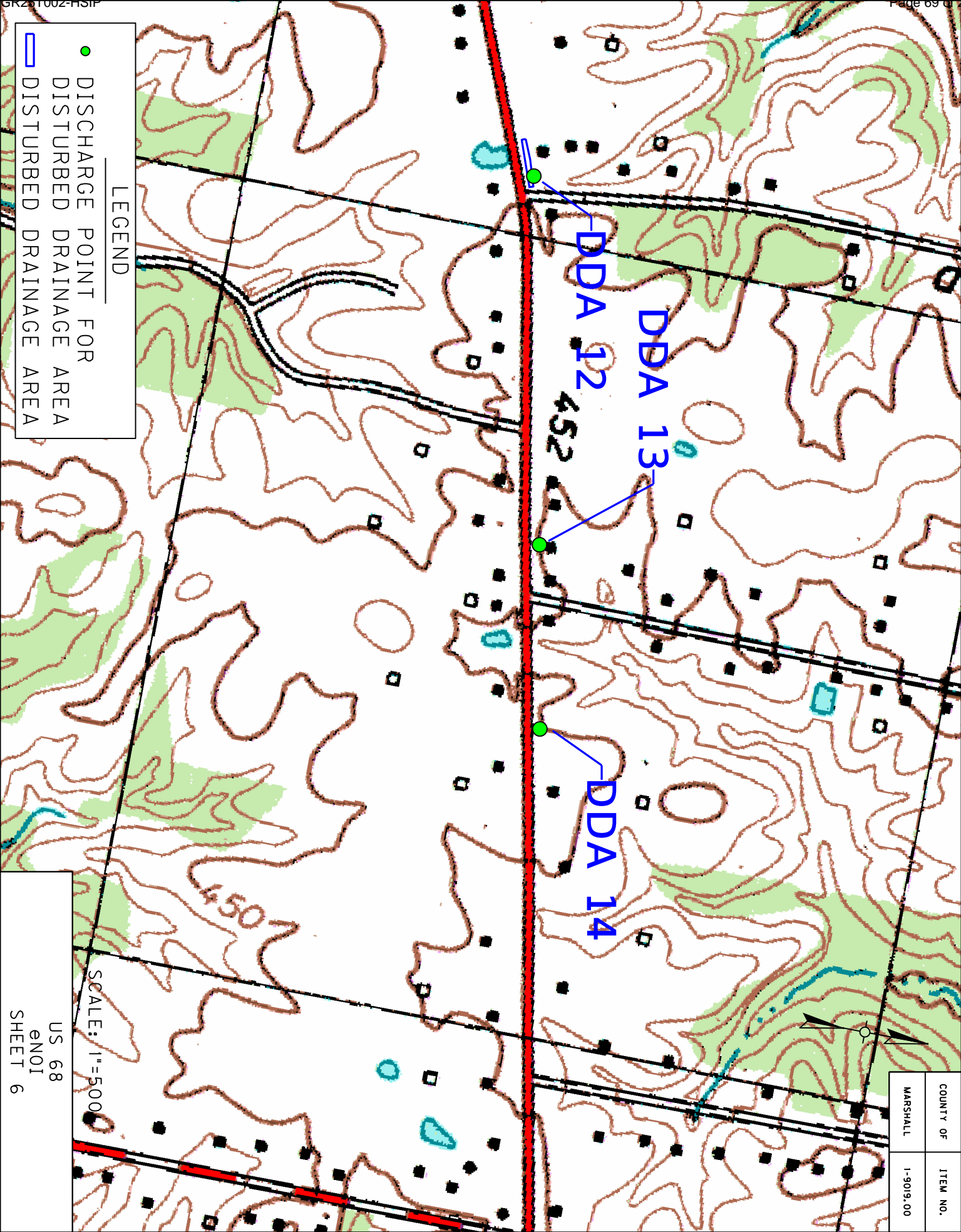
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COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

US 68
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SHEET 5

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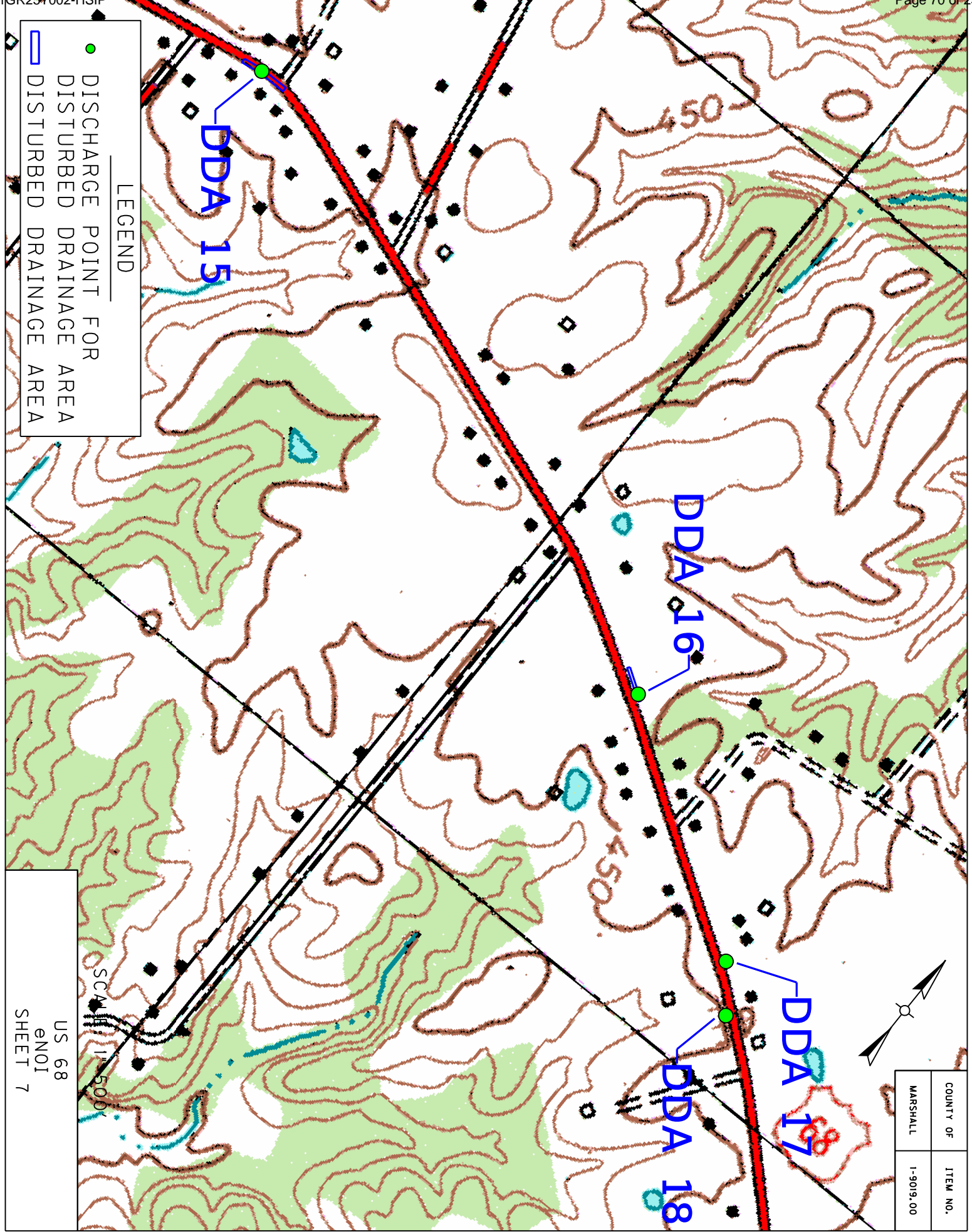


● DISCHARGE POINT FOR
DISTURBED DRAINAGE AREA
▭ DISTURBED DRAINAGE AREA

LEGEND

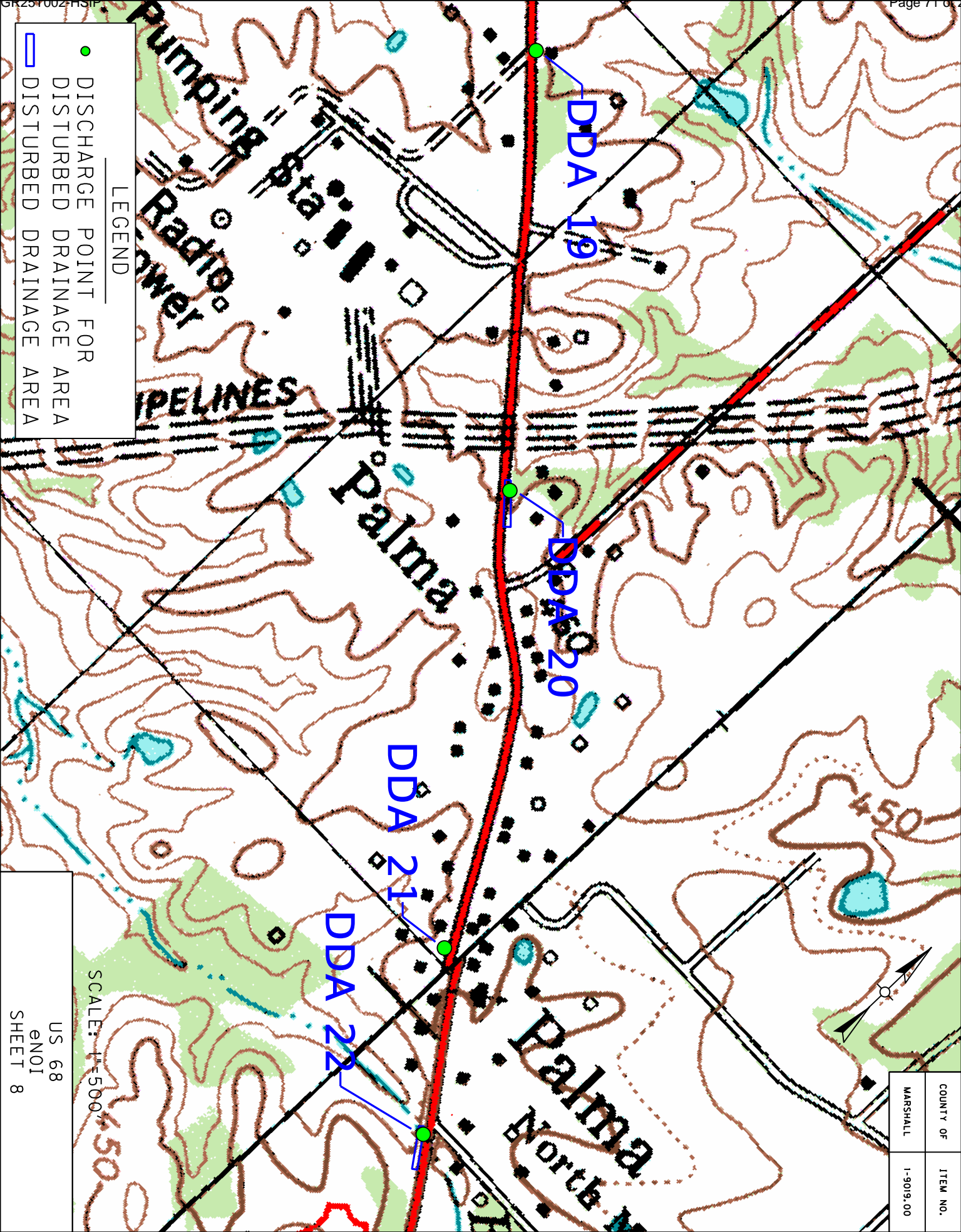
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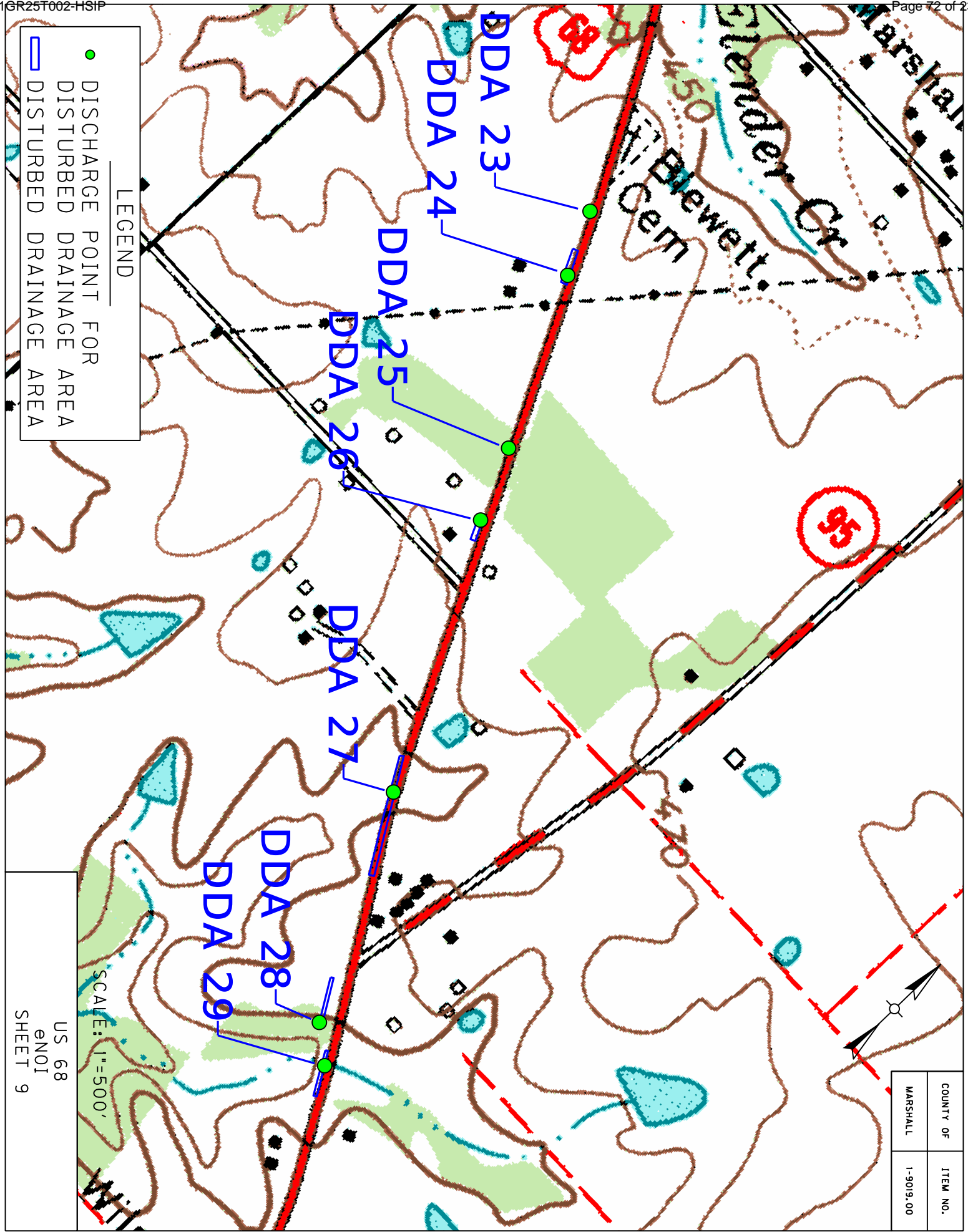
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SHEET 6



COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

US 68
eNOI
SHEET 7

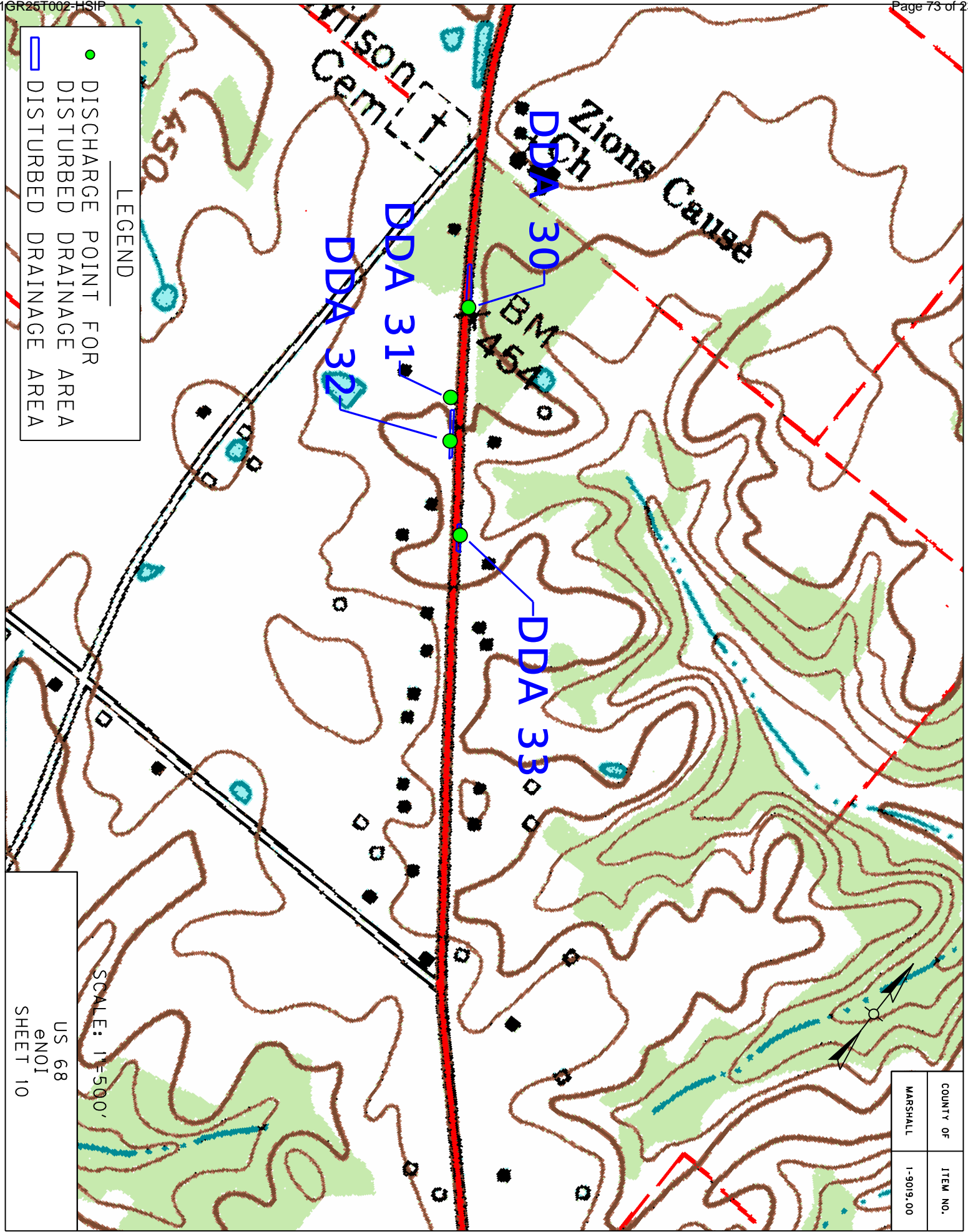




COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

US 68
eNOI
SHEET 9

SCALE: 1"=500'

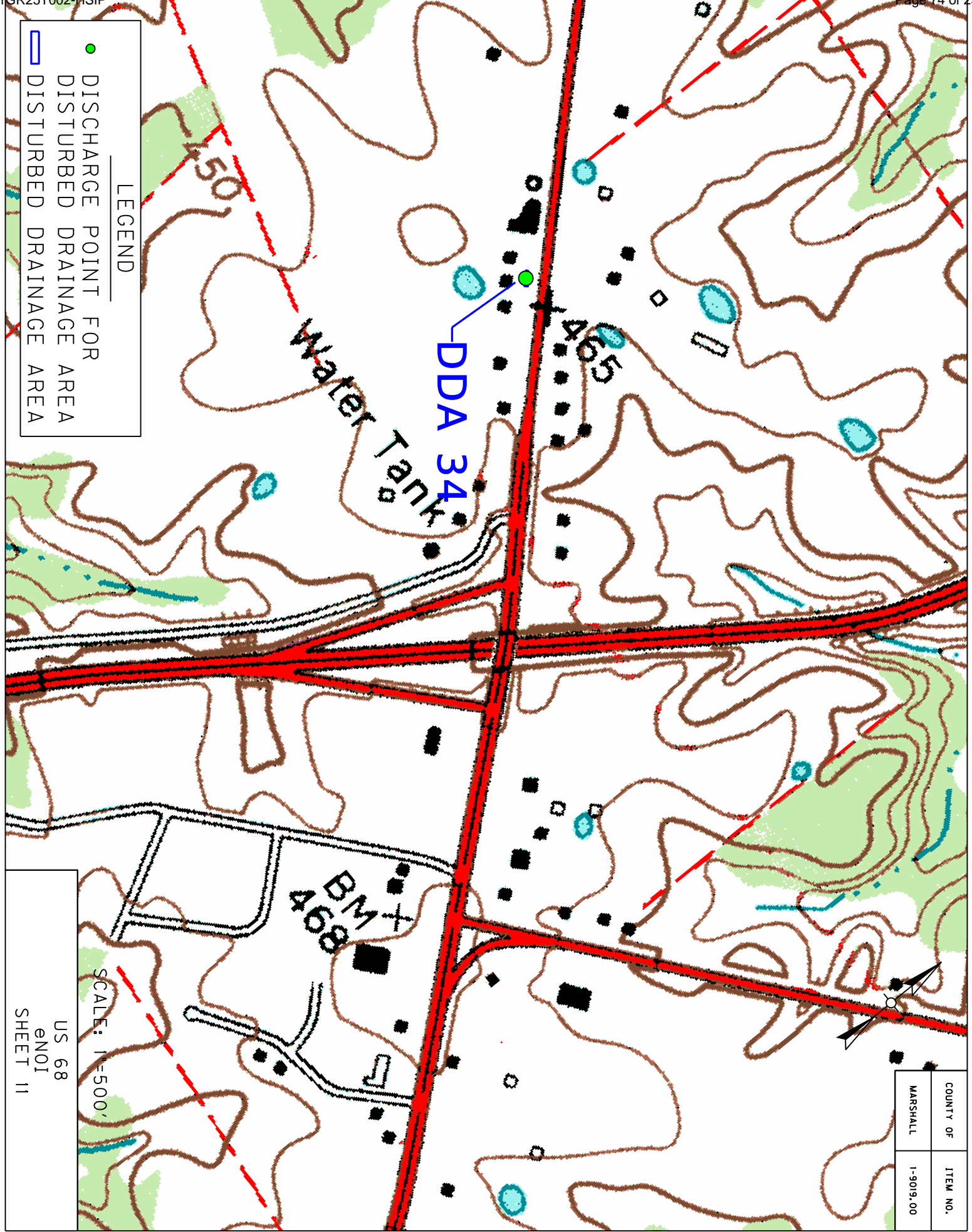


LEGEND

- DISCHARGE POINT FOR DISTURBED DRAINAGE AREA
- DISTURBED DRAINAGE AREA

SCALE: 1"=500'

US 68
EN01
SHEET 10



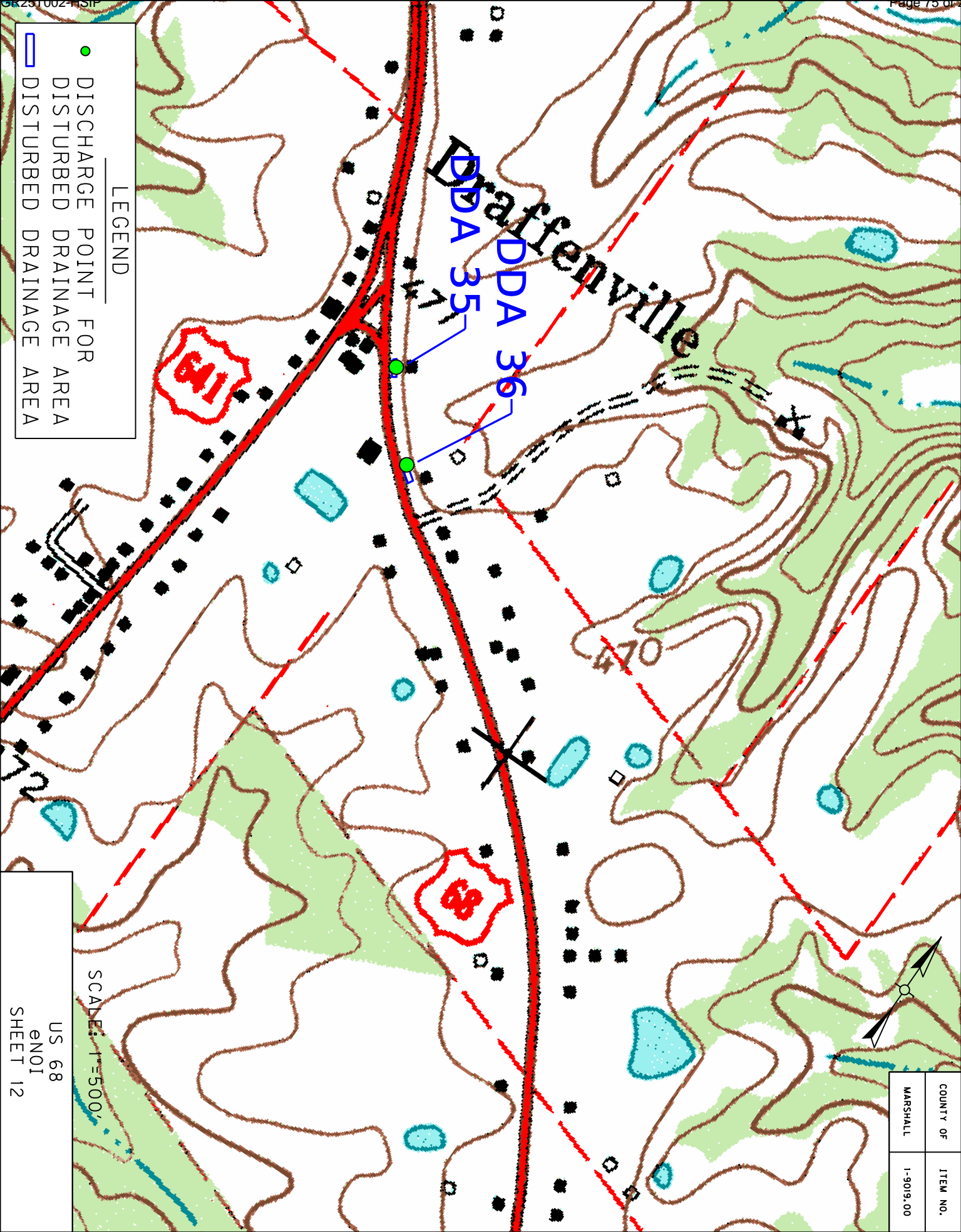
LEGEND

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- DISTURBED DRAINAGE AREA

US 68
eNOI
SHEET 11

SCALE: 1"=500'

COUNTY OF	ITEM NO.
MARSHALL	1-9019.00



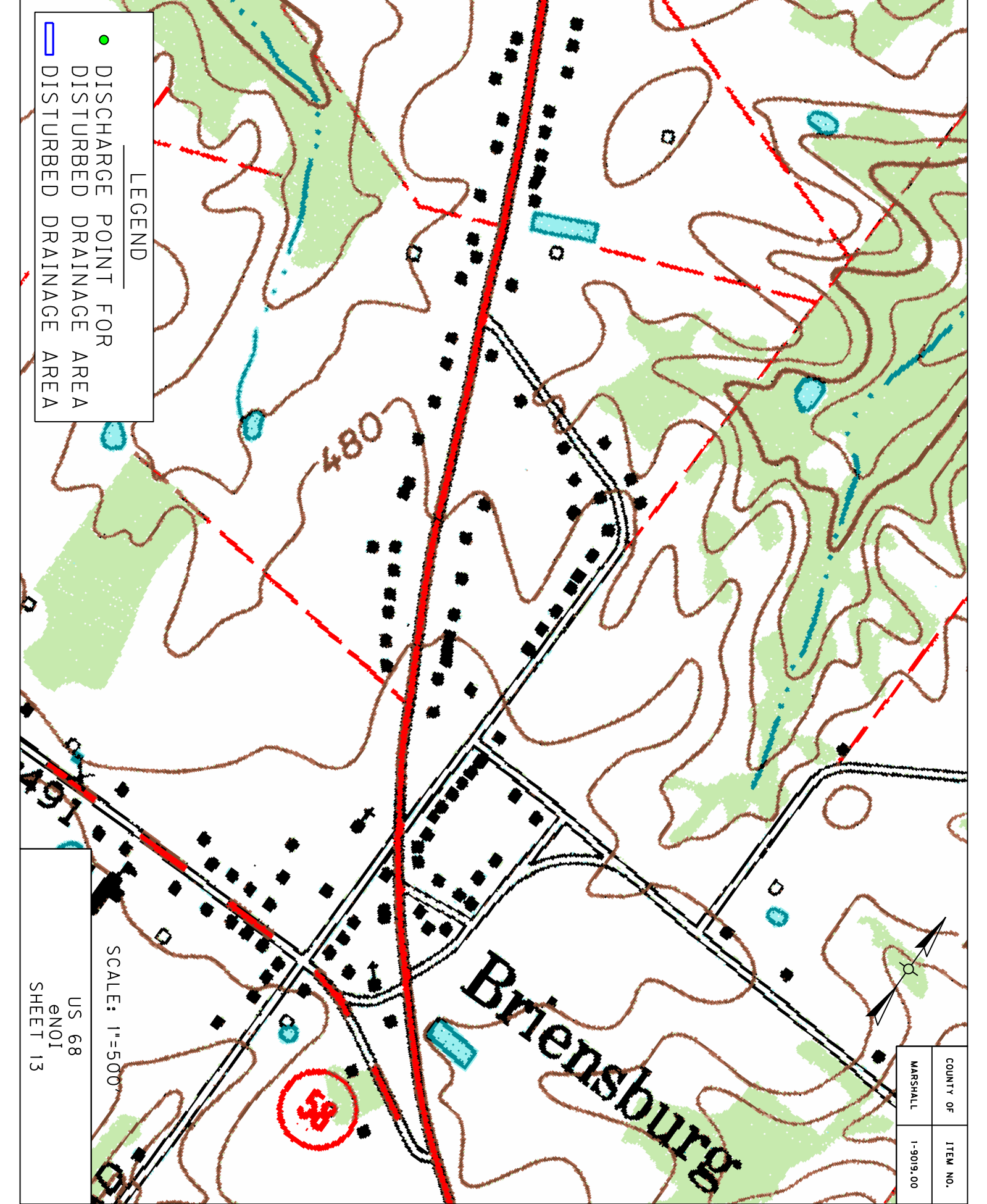
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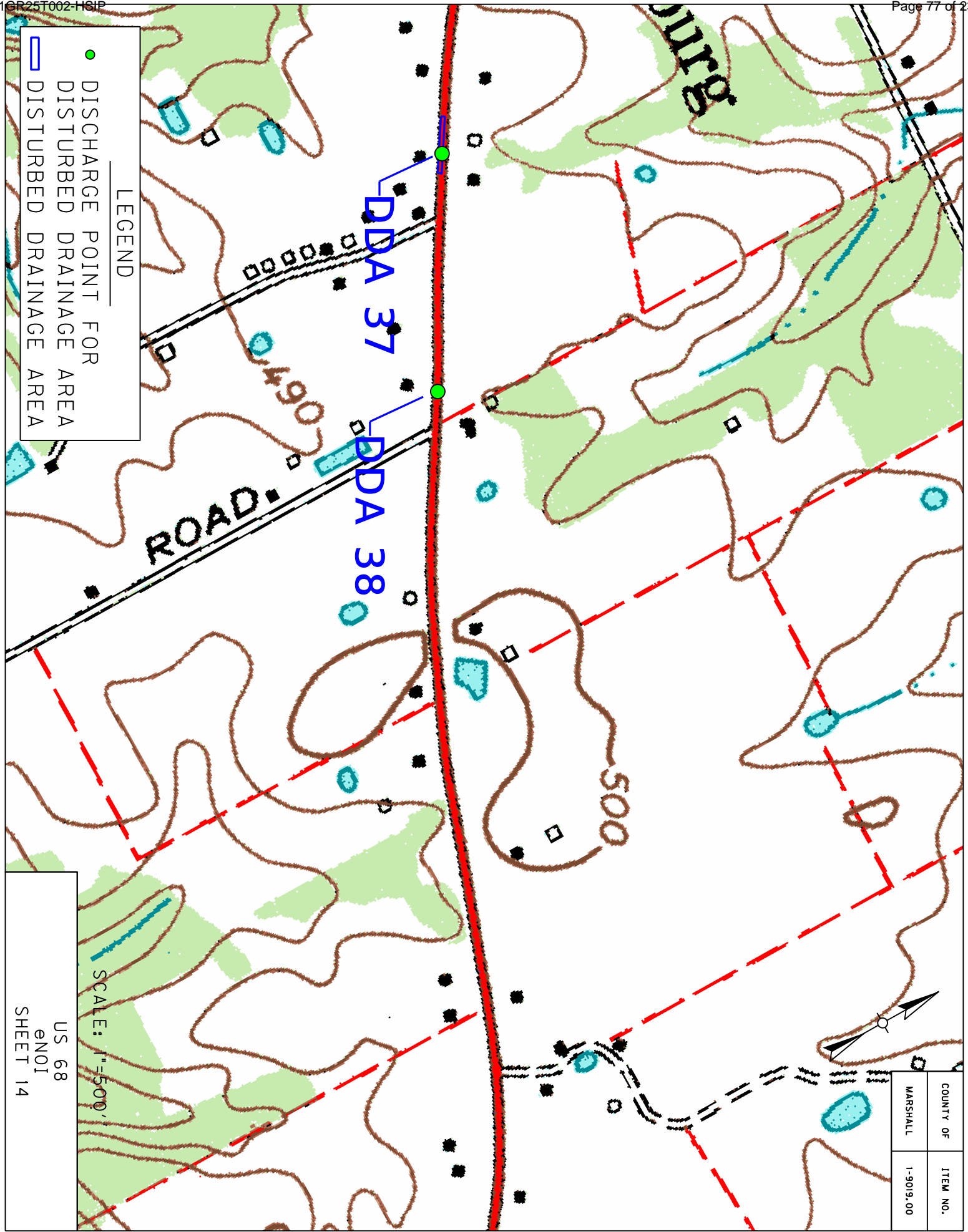
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- DISTURBED DRAINAGE AREA

US 68
6801
SHEET 12

SCALE: 1"=500'

COUNTY OF	ITEM NO.
MARSHALL	1-9019.00





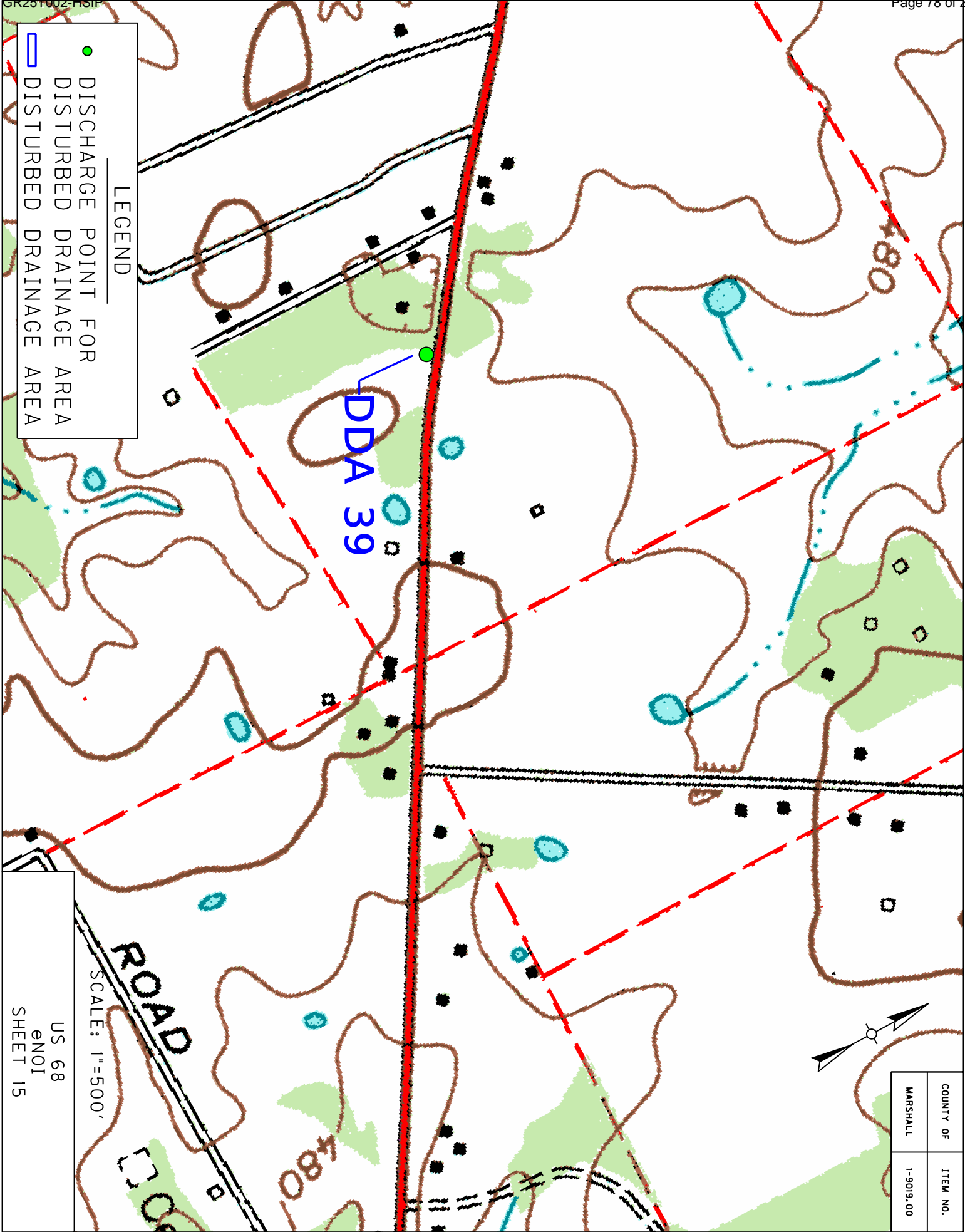
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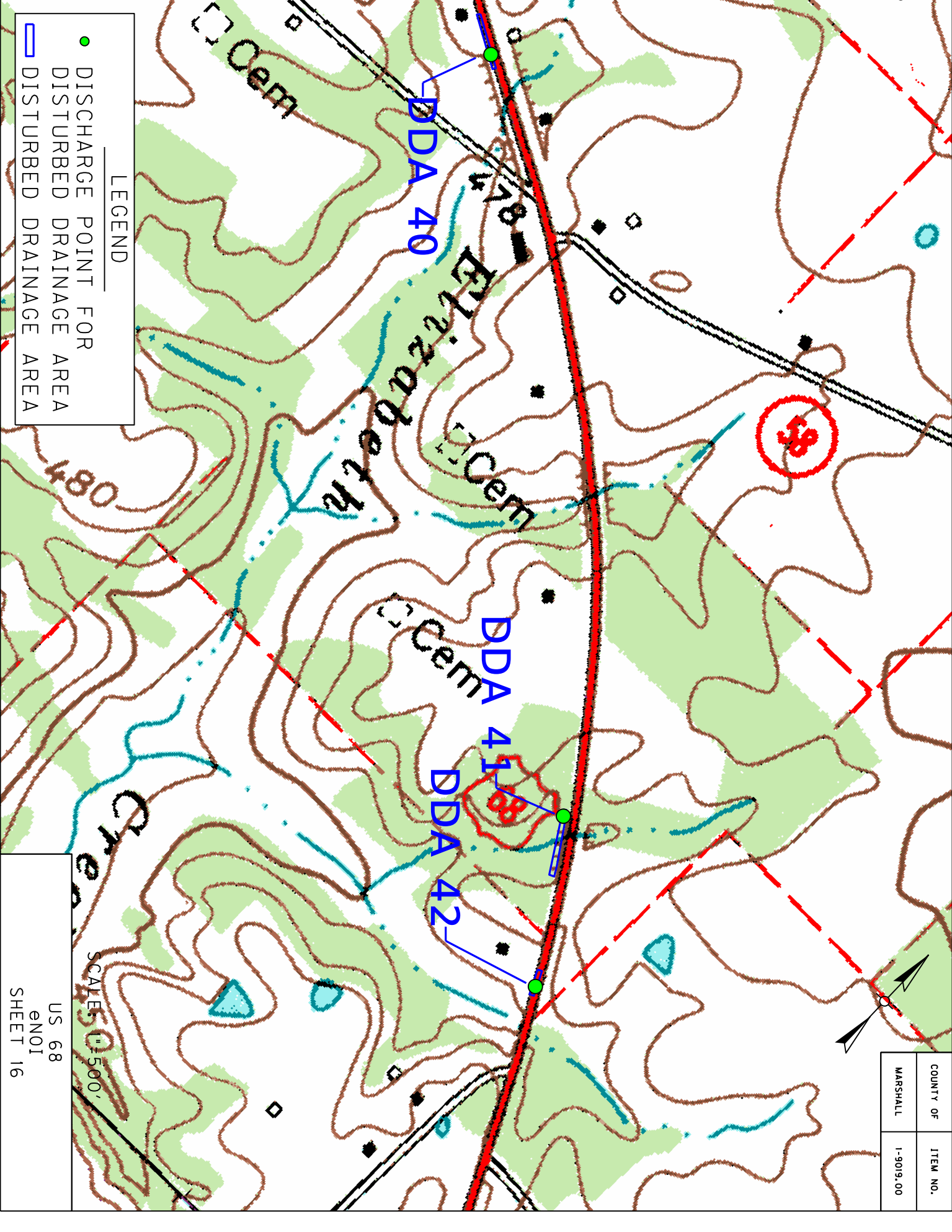
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- DISTURBED DRAINAGE AREA

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SHEET 14

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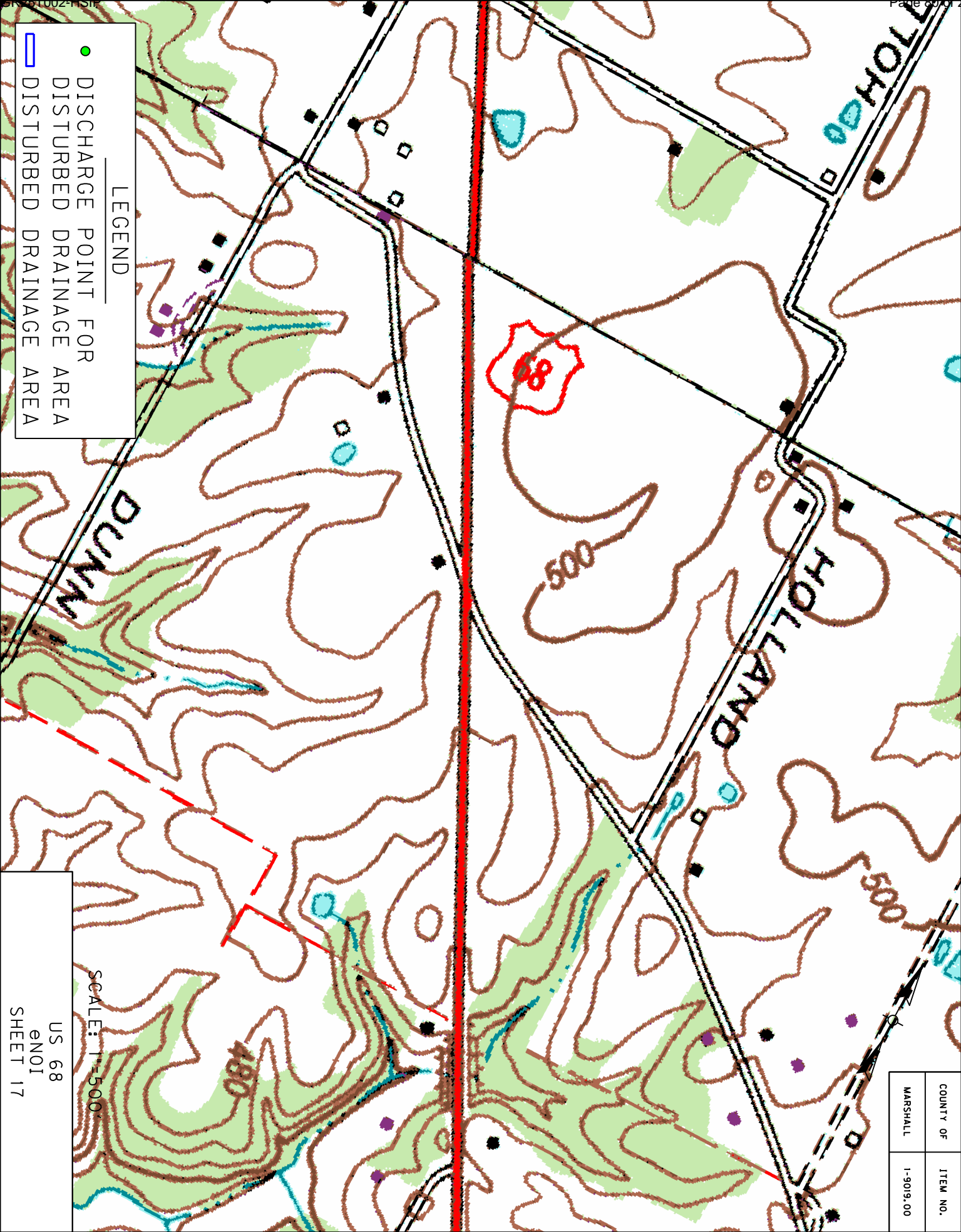
COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

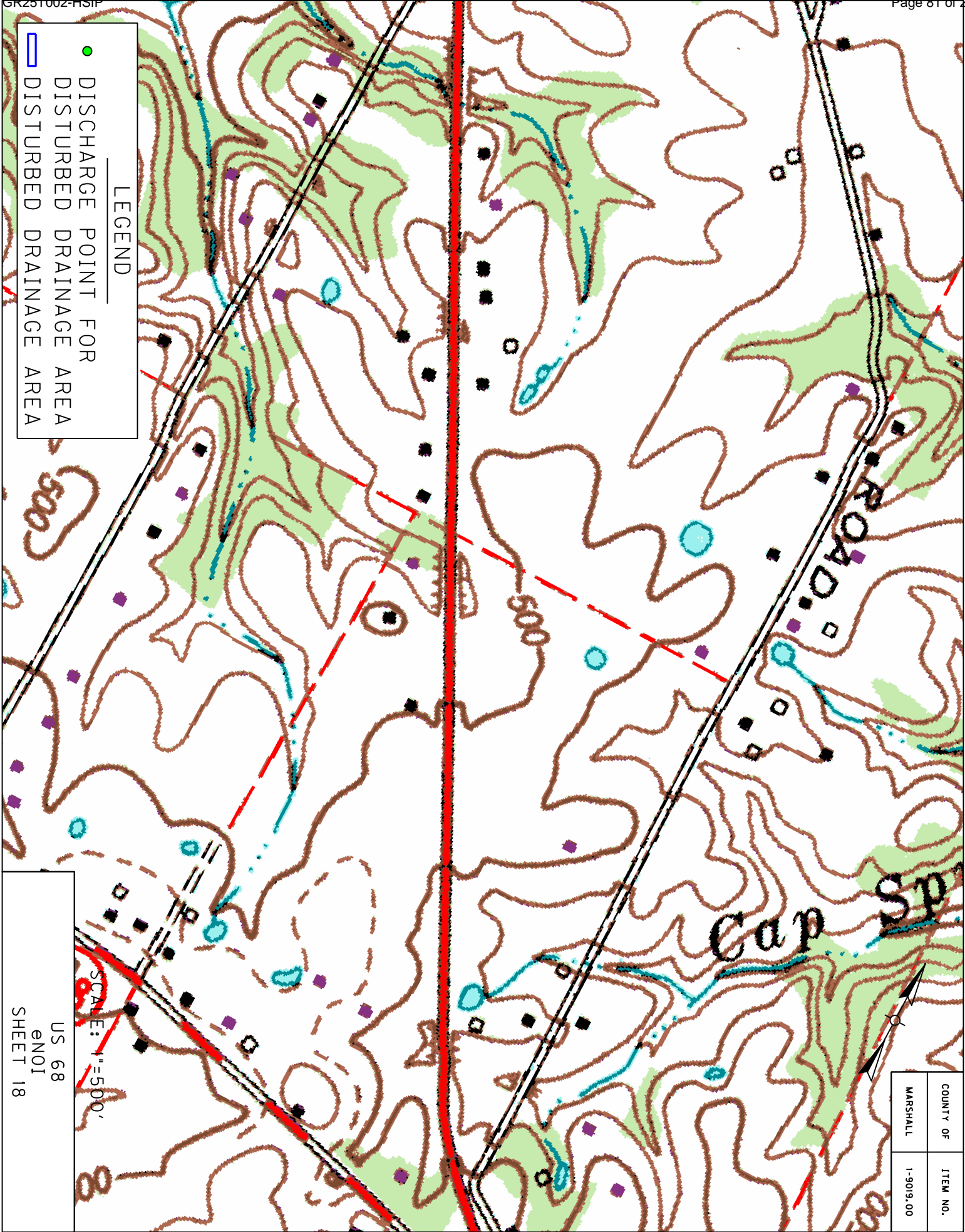


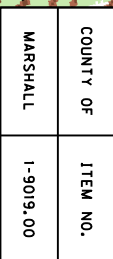


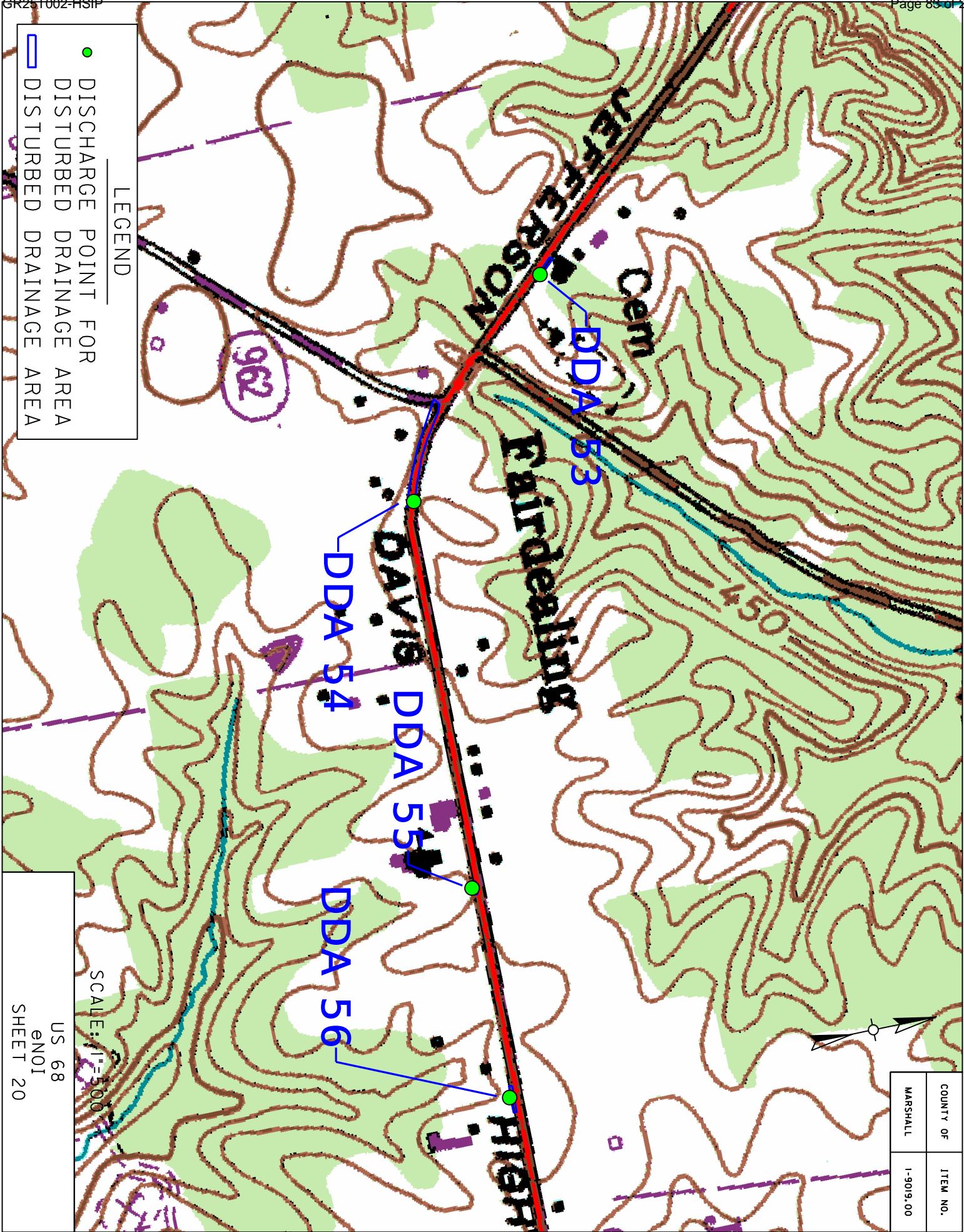
COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

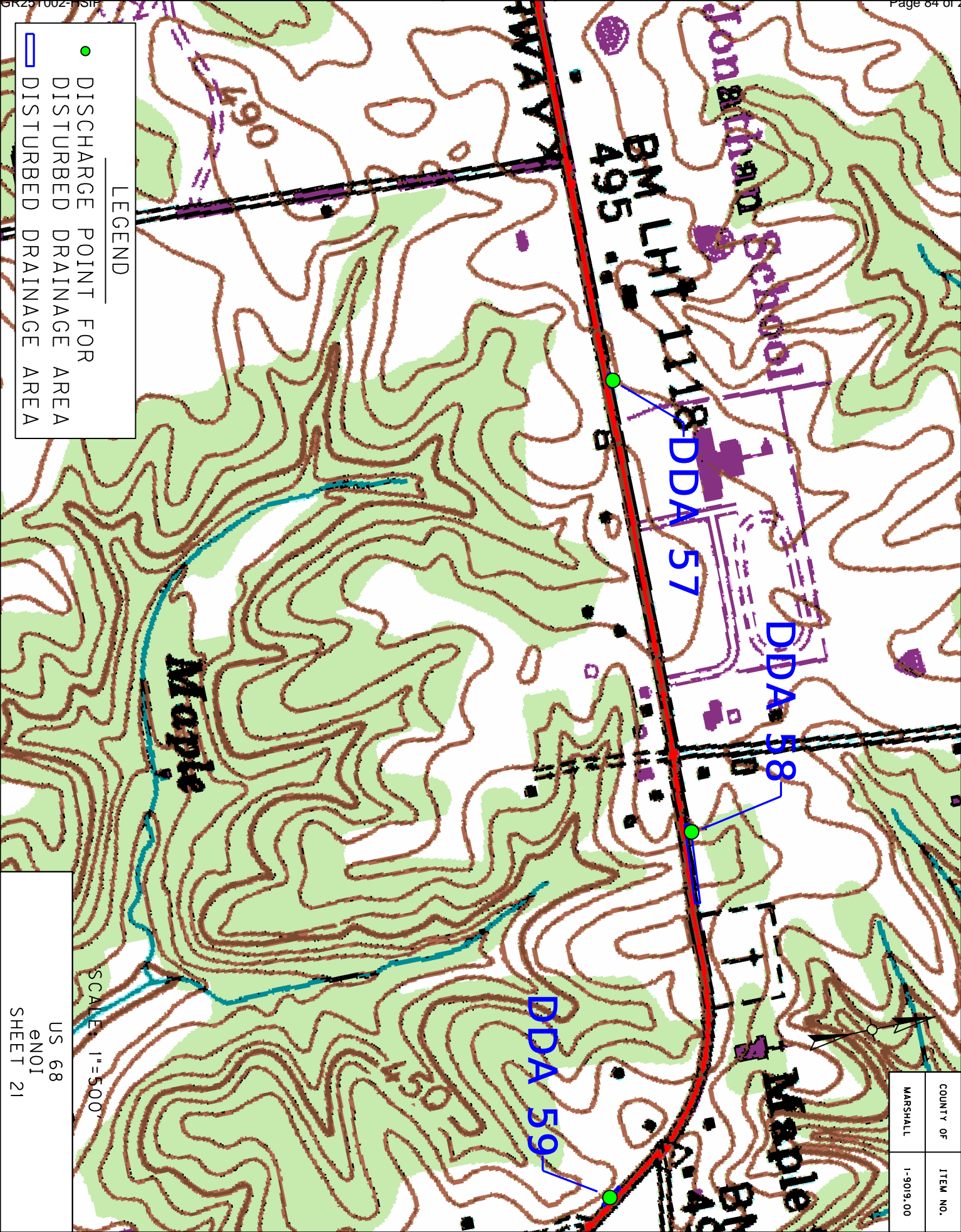
US 68
eNOI
SHEET 16



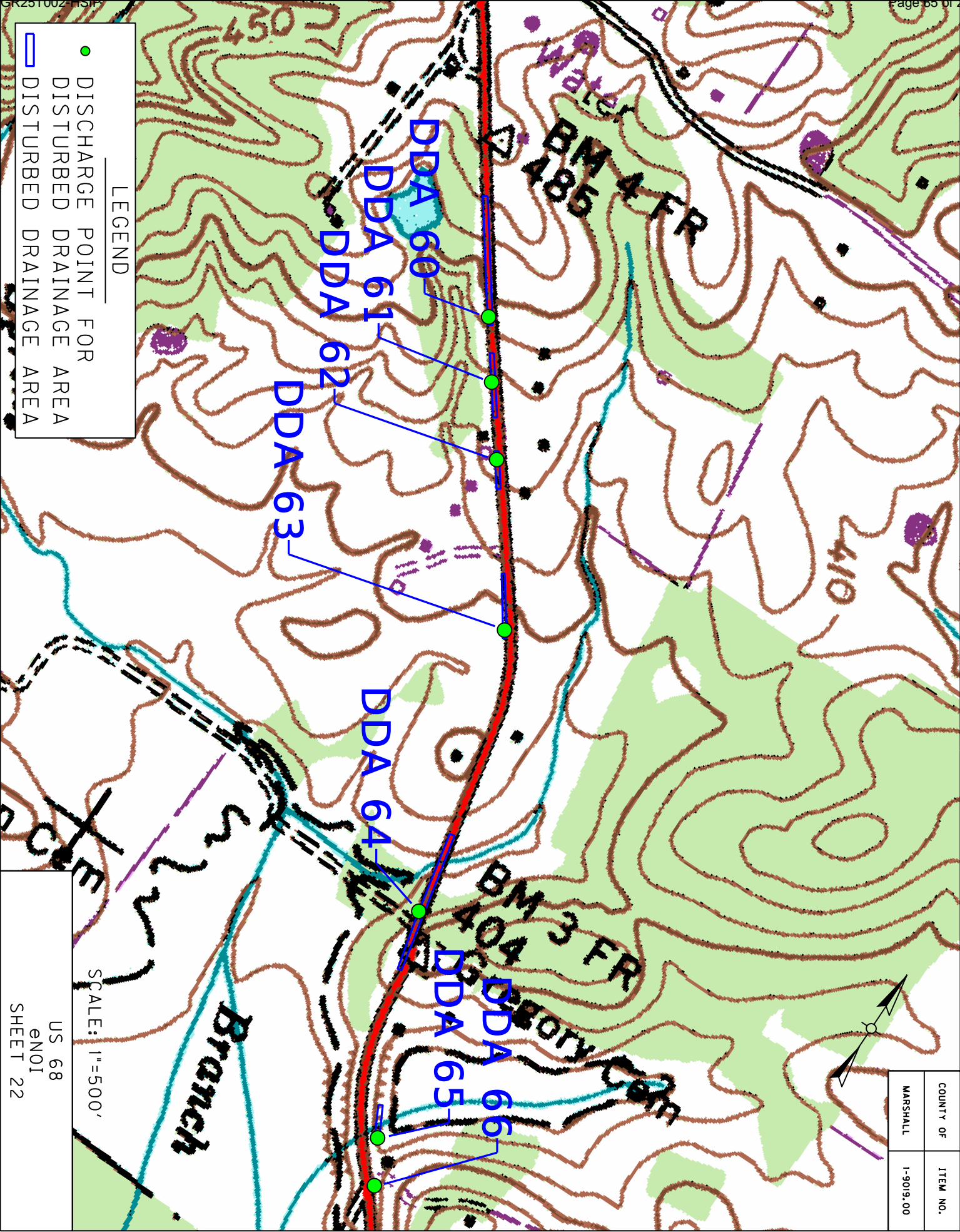








COUNTY OF	ITEM NO.
MARSHALL	1-9019.00



COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

US 68
6N01
SHEET 22

SCALE: 1"=500'



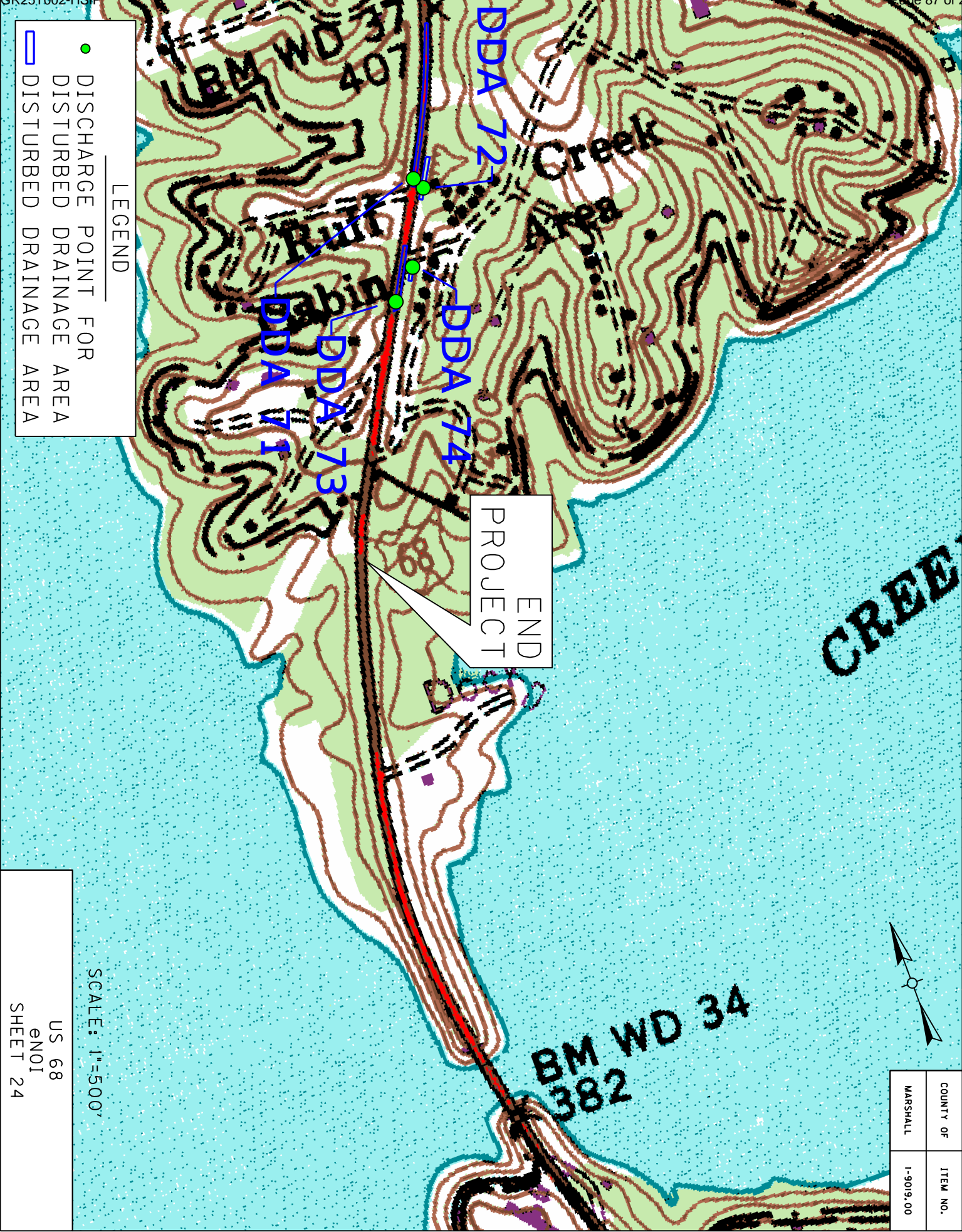
LEGEND

- DISCHARGE POINT FOR DISTURBED DRAINAGE AREA
- ▭ DISTURBED DRAINAGE AREA

SCALE: 1"=500'

US 68
ENOI
SHEET 23

COUNTY OF	ITEM NO.
MARSHALL	1-9019.00



LEGEND

- DISCHARGE POINT FOR DISTURBED DRAINAGE AREA
- DISTURBED DRAINAGE AREA

END PROJECT

SCALE: 1"=500'

US 68
eNOI
SHEET 24

COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

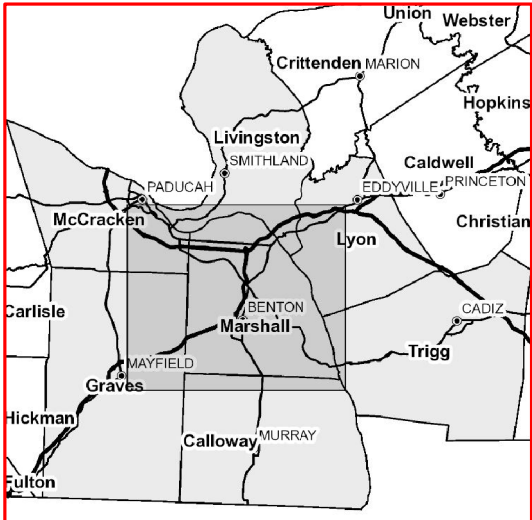
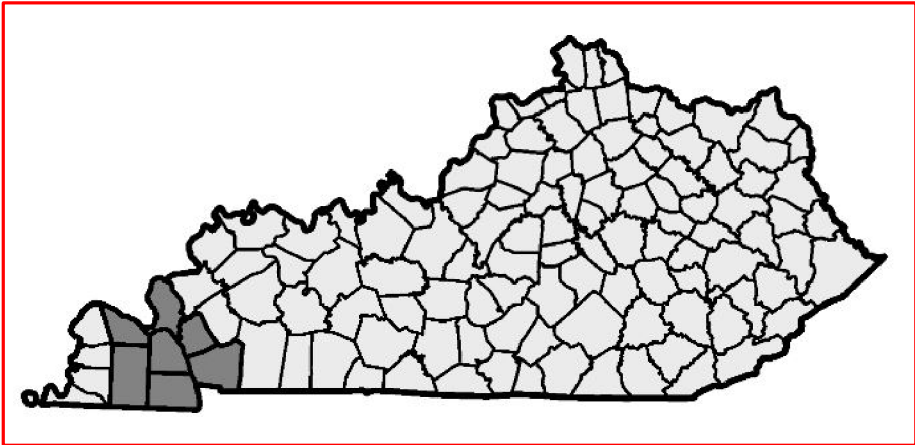
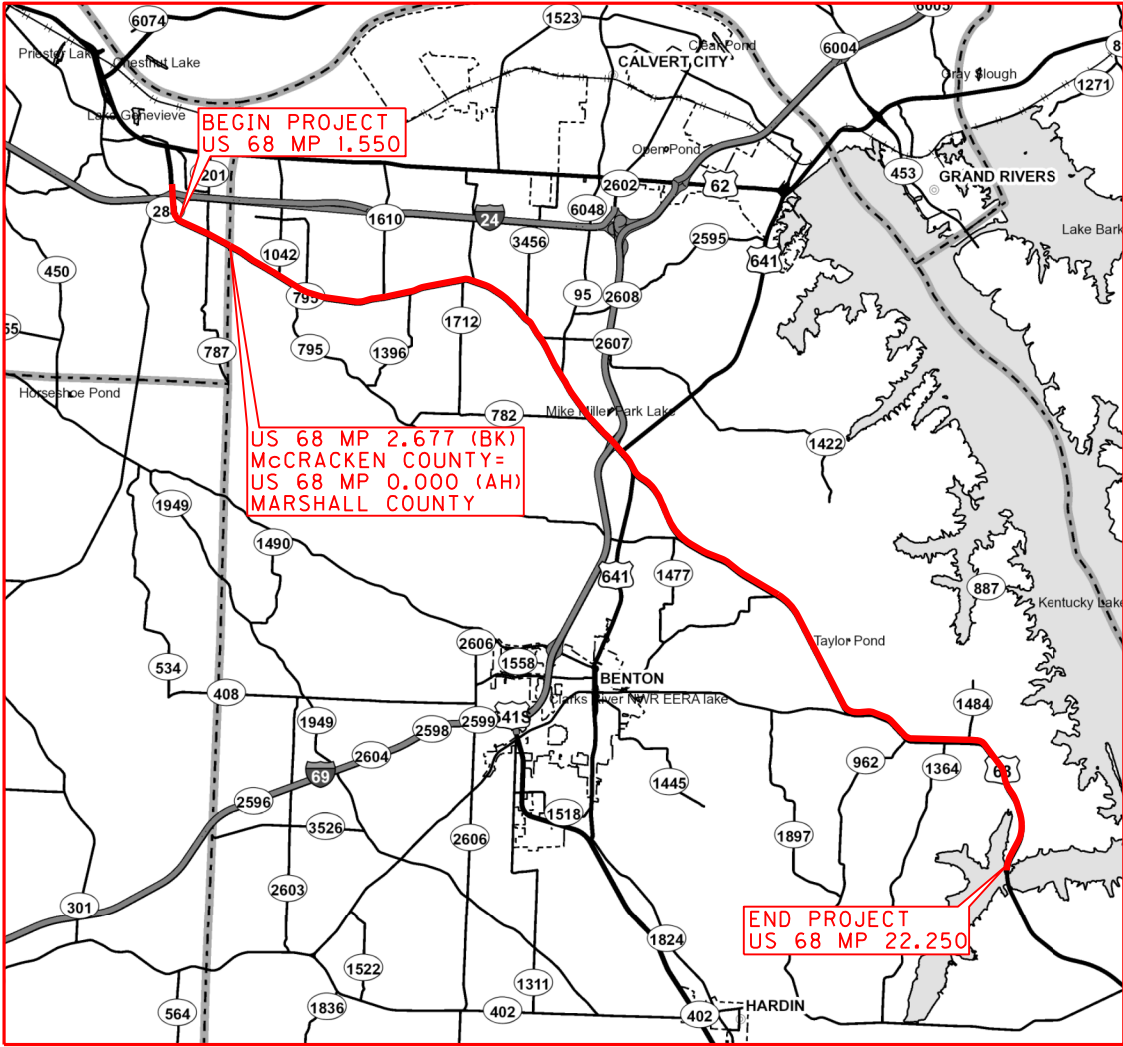


Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
PLANS OF
PROPOSED PROJECT

COUNTY OF	ITEM NO.
MCCRACKEN MARSHALL	I-9019.00



CORRIDOR IMPROVEMENTS
McCRACKEN / MARSHALL COUNTY
US 68



MATERIAL SUMMARY

CONTRACT ID: 254202

121GR25T002-HSIP

0107300682401

US HIGHWAY 68 (US 68) From 0.210 miles west of Fieldmont Dr. extending east to the McCracken-Marshall county line. GRADE & DRAIN WITH ASPHALT SURFACE, A DISTANCE OF 1.13 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0225	02159	TEMP DITCH	169.00	LF
0230	02160	CLEAN TEMP DITCH	84.00	LF
0235	02650	MAINTAIN & CONTROL TRAFFIC - MCCrackEN COUNTY US 68 HSIP	1.00	LS
0240	02701	TEMP SILT FENCE	169.00	LF
0245	02703	SILT TRAP TYPE A	1.00	EACH
0250	02704	SILT TRAP TYPE B	1.00	EACH
0255	02705	SILT TRAP TYPE C	1.00	EACH
0260	02706	CLEAN SILT TRAP TYPE A	1.00	EACH
0265	02707	CLEAN SILT TRAP TYPE B	1.00	EACH
0270	02708	CLEAN SILT TRAP TYPE C	1.00	EACH
0275	02726	STAKING - MCCrackEN COUNTY US 68 HSIP	1.00	LS
0280	03269	TRIM & REMOVE TREES & BRUSH	615.00	LF
0285	05950	EROSION CONTROL BLANKET	60.00	SQYD
0290	05952	TEMP MULCH	463.00	SQYD
0295	05953	TEMP SEEDING AND PROTECTION	347.00	SQYD
0300	05963	INITIAL FERTILIZER	.04	TON
0305	05964	MAINTENANCE FERTILIZER	.02	TON
0310	05985	SEEDING AND PROTECTION	694.00	SQYD
0315	05992	AGRICULTURAL LIMESTONE	.43	TON
0320	26175EC	ROADSIDE REGRADING	50.00	LF
0325	00462	CULVERT PIPE-18 IN	10.00	LF
0330	21819NN	FITTINGS	1.00	EACH
0335	26131ED	SLOPED AND MITERED HEADWALL-18 IN	1.00	EACH
0340	06406	SBM ALUM SHEET SIGNS .080 IN	67.25	SQFT
0345	06407	SBM ALUM SHEET SIGNS .125 IN	5.56	SQFT
0350	06410	STEEL POST TYPE 1	139.00	LF
0355	21373ND	REMOVE SIGN	10.00	EACH
0360	24631EC	BARCODE SIGN INVENTORY	16.00	EACH
0365	02569	DEMOBILIZATION	1.00	LS

CONTRACT ID: 254202

121GR25T002-HSIP

0107900682401

US HIGHWAY 68 (US 68) From the McCracken-Marshall county line extending southeast to 0.028 miles south of the Jonathan Creek Boat Ramp. GRADE & DRAIN WITH ASPHALT SURFACE, A DISTANCE OF 22.25 MILES.

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0005	00190	LEVELING & WEDGING PG64-22	39.00	TON
0010	00301	CL2 ASPH SURF 0.38D PG64-22	119.00	TON
0015	00356	ASPHALT MATERIAL FOR TACK	.81	TON

MATERIAL SUMMARY

Project Line No	Bid Code	DESCRIPTION	Quantity	Unit
0020	02676	MOBILIZATION FOR MILL & TEXT - MARSHALL COUNTY	1.00	LS
0025	02677	ASPHALT PAVE MILLING & TEXTURING	45.00	TON
0030	01987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	9.00	EACH
0035	02159	TEMP DITCH	6,311.00	LF
0040	02160	CLEAN TEMP DITCH	3,156.00	LF
0045	02351	GUARDRAIL-STEEL W BEAM-S FACE	437.50	LF
0050	02367	GUARDRAIL END TREATMENT TYPE 1	2.00	EACH
0055	02460	REMOVE TREES OR STUMPS	48.00	EACH
0060	02650	MAINTAIN & CONTROL TRAFFIC - MARSHALL COUNTY US 68 HSIP	1.00	LS
0065	02671	PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH
0070	02697	EDGE LINE RUMBLE STRIPS	1,300.00	LF
0075	02701	TEMP SILT FENCE	6,311.00	LF
0080	02703	SILT TRAP TYPE A	5.00	EACH
0085	02704	SILT TRAP TYPE B	5.00	EACH
0090	02705	SILT TRAP TYPE C	5.00	EACH
0095	02706	CLEAN SILT TRAP TYPE A	5.00	EACH
0100	02707	CLEAN SILT TRAP TYPE B	5.00	EACH
0105	02708	CLEAN SILT TRAP TYPE C	5.00	EACH
0110	02726	STAKING - MARSHALL COUNTY US 68 HSIP	1.00	LS
0115	02775	ARROW PANEL	2.00	EACH
0120	03269	TRIM & REMOVE TREES & BRUSH	25,890.00	LF
0125	05952	TEMP MULCH	17,284.00	SQYD
0130	05953	TEMP SEEDING AND PROTECTION	12,963.00	SQYD
0135	05963	INITIAL FERTILIZER	1.36	TON
0140	05964	MAINTENANCE FERTILIZER	.78	TON
0145	05985	SEEDING AND PROTECTION	25,926.00	SQYD
0150	05992	AGRICULTURAL LIMESTONE	16.07	TON
0155	06514	PAVE STRIPING-PERM PAINT-4 IN	2,600.00	LF
0160	26175EC	ROADSIDE REGRADING	580.00	LF
0165	00462	CULVERT PIPE-18 IN	8.00	LF
0170	00464	CULVERT PIPE-24 IN	25.00	LF
0175	21819NN	FITTINGS	3.00	EACH
0180	26131ED	SLOPED AND MITERED HEADWALL-18 IN	1.00	EACH
0185	26132ED	SLOPED AND MITERED HEADWALL-24 IN	2.00	EACH
0190	02562	TEMPORARY SIGNS	300.00	SQFT
0195	06406	SBM ALUM SHEET SIGNS .080 IN	1,236.05	SQFT
0200	06407	SBM ALUM SHEET SIGNS .125 IN	195.68	SQFT
0205	06410	STEEL POST TYPE 1	3,046.00	LF
0210	21373ND	REMOVE SIGN	222.00	EACH
0215	24631EC	BARCODE SIGN INVENTORY	364.00	EACH
0220	02569	DEMOBILIZATION	1.00	LS

US 68

GENERAL SUMMARY

COUNTY OF	ITEM NO.
McCracken	1-9019.00

ITEM	DESCRIPTION	UNIT	TOTAL PROJECT
462	CULVERT PIPE-18 IN	LF	10
2159	TEMPORARY DITCH	LF	169
2160	CLEAN TEMPORARY DITCH	LF	84
2701	TEMP SILT FENCE	LF	169
2703	SILT TRAP TYPE A	EACH	1
2704	SILT TRAP TYPE B	EACH	1
2705	SILT TRAP TYPE C	EACH	1
2706	CLEAN SILT TRAP TYPE A	EACH	1
2707	CLEAN SILT TRAP TYPE B	EACH	1
2708	CLEAN SILT TRAP TYPE C	EACH	1
3269	TRIM & REMOVE TREES & BRUSH	LF	615
5950	EROSION CONTROL BLANKET	SQYD	60
5952	TEMP MULCH	SQYD	463
5953	TEMP SEEDING AND PROTECTION	SQYD	347
5963	INITIAL FERTILIZER	TON	0.04
5964	MAINTENANCE FERTILIZER	TON	0.02
5985	SEEDING AND PROTECTION	SQYD	694
5992	AGRICULTURAL LIMESTONE	TON	0.43
6406	SBM ALUM SHEET SIGNS .080 IN	SQFT	67.25
6407	SBM ALUM SHEET SIGNS .125 IN	SQFT	5.56
6410	STEEL POST TYPE 1	LF	139
21373ND	REMOVE SIGN	EACH	10
21819NN	FITTINGS	EACH	1
24631EC	BARCODE SIGN INVENTORY	EACH	16
26131ED	SLOPED AND MITERED HEADWALL-18 IN	EACH	1
2726	STAKING (US 68 HSIP)	LS	1
26175EC	ROADSIDE REGRADING	LF	50

① PIPE EXTENSION SHALL BE OF IN-KIND MATERIAL

ROADSIDE REGRADING SUMMARY
MCCRACKEN COUNTY - US 68
MP 1.550 TO MP 2.677
ITEM NO. 1-9019

Notes:	* The "Figure References" noted below refer to the Figure number within the Roadside Regrading and Embankment Benching Detail Sheet that is the closest representation of the intended Roadside Regrading.																	
	** The Estimated Volumes of Excavation and Embankment are provided for informational purposes ONLY. The Department gives no guarantee to the accuracy of the estimated volumes. The Bidder must draw his/her own conclusion. Payment will be based on the Linear Footage of Roadside Regrading performed, regardless of the accuracy of the Estimated Volumes of Excavation and Embankment.																	
Side of Road	LOCATION				Length (LF)	Estimated Excavation Volume** (CU YD)	Estimated Embankment Volume** (CU YD)	Roadside Regrading Detail Sheet Figure Ref.*	Target Fill Slope	Include DGA Wedge? (Yes/No)	DGA (TONS)	Asphalt Seal Coat (TON)	Asphalt Seal Aggregate (TON)	Channel Line Ditch, Fill Slope or Cut Slope? (Yes/No)	Channel Lining Class II (TONS)	Geotex. Fabric Type IV (SQ YD)	Erosion Control Blanket (SQ YD)	Remarks
	Approx. BEGIN Station	Approx. BEGIN Milepoint	Approx. END Station	Approx. END Milepoint														
RT	92+87	1.759	93+37	1.768	50	7	7	Figure 9	2 : 1	No				No			60	

Summary of Items								
Roadside Regrading	DGA	50	LF	Asphalt Seal Coat		Channel Lining Class II		
			0	TONS	0	TONS		
		Asphalt Seal Aggregate					Erosion Control Blanket	
				0	TONS	60	SQ YD	

PIPE REPLACEMENT & EXTENSION SUMMARY
McCracken County - US 68
MP 1.550 - 2.677
ITEM NO. 1-9019

Mile Point	Station	Existing				Proposed																Comments							
		Pipe Size, Type	Left Hdwl	Right Hdwl	Skew	Length (LF)	Remove Pipe (LF)		Pipe Extension Length (LF)		Pipe Fitting (EACH)3	Entrance Pipe 15" (LF)	Culvert Pipe 18" (LF)	Culvert Pipe 24" (LF)	Culvert Pipe 30" (LF)	Culvert Pipe 36" (LF)	Box Culvert (LF)	Headwall or Drainage Box		Roadside Regrading (LF)			CL2 Asph Base 1.50D PG64-22 (TON)		Asph Material for Tack Non-Tracking (TON)		Channel Lining CI II (TON)		
							Left	Right	Left	Right								Left	Right	Left	Right		Left	Right	Left	Right	Left	Right	Left
1.764	93+12	18" RCP	STD	STD	0°	38				10	1									Sloped & Mitered		50							Erosion Control Blanket - See Roadside Regrading Summary
							TOTALS:				1 EACH	0 LF	10 LF	0 LF	0 LF	0 LF	0 LF	0 LF				50 LF	0 TON	0 TON	0.00 TON		0 TON		

Inlet & Outlet Structure Totals		
Drop Box Inlet Type 1		Each
Safety Box Inlet 18 Inch		Each
Sloped & Mitered Conc. Headwall - 18"	1	Each
Sloped & Mitered Conc. Headwall - 24"		Each
Sloped & Mitered Conc. Headwall - 30"		Each
Sloped & Mitered Conc. Headwall - 36"		Each
Sloped & Mitered Conc. Headwall - 42"		Each
Remove Headwall		Each

NOTES:

- 1. These Pipe and Drainage Item quantities and locations are approximate and are intended to provide a basis for bid. Final locations, flow line elevations, grate elevations, and quantities will be determined by the Contractor and approved by the Engineer in the field.
- 2. Clearing and grubbing necessary to install drainage items, as directed by the Engineer, will be considered part of Site Preparation, which is incidental to the Contract.
- 3. See Dual Wall Adapter Fitting Detail.
- 4. Roadside Regrading to be performed as part of culvert extensions will be detailed on the Roadside Regrading Summary. Roadside Regrading quantities shown here are for informational purposes only.

SIGN SUMMARY
McCracken County - US 68
MP 1.550 - 2.677
ITEM NO. 1-9014

SIGN LOCATION				Facing Traffic Traveling	MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (in/cdnt to post)	TOTAL Estimated Sign Post Length (LF)	Barcode	
Assembly ID	Side of Road	Approx Offset (ft)	Approx Station						Approx Mile Point	Text/ Symbol Color	Background Color											Sheeting Type
1	RT	24	87+25	1.652	EB	W2-2L	Side Road Left	30 x 30	Black	Yellow	XI	6.25		Std w/ Soil Plate		1	15.0				15.0	1
2	LT	24	88+20	1.670	WB	W6-1	Divided Highway	36 x 36	Black	FL Yellow	XI	2.25		Std w/ Soil Plate		1	15.5				15.5	1
3	LT	24	97+60	1.848	WB	W2-2R	Side Road Right	30 x 30	Black	Yellow	XI	6.25		Std w/ Soil Plate		1	12.5				12.5	1
						W13-1P	XX MPH (Advisory Speed)	18 x 18	Black	FL Yellow	XI	2.25										
4	RT	24	107+75	2.041	EB	M2-1	Junction	21 x 15	Black	White	XI	2.19		Std w/ Soil Plate		1	13.0				13.0	1
						M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00										
5	RT	24	109+75	2.079	EB	W2-1	Cross Road	30 x 30	Black	Yellow	XI	6.25		Std w/ Soil Plate		1	15.0				15.0	1
						M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00										
6	RT	24	112+75	2.135	EB	M6-4	Horizontal Double Arrow	21 x 15	Black	White	XI	2.19		Std w/ Soil Plate		1	12.5				12.5	1
						M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00										
7	LT	24	117+75	2.230	WB	M6-4	Horizontal Double Arrow	21 x 15	Black	White	XI	2.19		Std w/ Soil Plate		1	12.5				12.5	1
						M2-1	Junction	30 x 30	Black	Yellow	XI	6.25										
8	LT	24	109+75	2.079	WB	W2-1	Cross Road	30 x 30	Black	Yellow	XI	6.25		Std w/ Soil Plate		1	15.0				15.0	1
9	LT	24	123+75	2.344	EB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00		Std w/ Soil Plate		1	13.0				13.0	1
						M2-1	Junction	21 x 15	Black	White	XI	2.19										
10	LT	24	127+00	2.405	EB	W14-3	No Passing Zone	48 x 48 x 36	Black	Yellow	XI		5.56	Std w/ Soil Plate		1	15.0				15.0	1

Summary of Items		
SBM Alum Sheet Signs 0.080 INCH	67.25	SQ FT
SBM Alum Sheet Signs 0.125 INCH	5.56	SQ FT
Barcode Sign Inventory	16	EACH

Summary of Items		
Steel Post - Type 1	139	LF
GMSS Type D	0	EACH
GMSS Type D (Surface Mount)	0	EACH
Class A Concrete for Signs	0	CU YD

TRIM AND REMOVE TREES AND BRUSH SUMMARY
MCCRACKEN COUNTY - US 68
MP 1.550 TO MP 2.677
ITEM NO. 1-9019

Notes:	LOCATION				Length (LF)	Clearing Dimension ** "X"	2460 REMOVE TREES OR STUMPS (EACH)	3269 - TRIM & REMOVE TREES & BRUSH - LF *					Remarks *
	Approx. BEGIN Station	Approx. END Milepoint	Approx. END Station	Approx. END Milepoint				Case 1 * Tree Trimming without Undergrowth Removal	Case 1B * Tree Trimming with Undergrowth Removal	Case 2 * Tree Trimming and/or Tree Removal without Undergrowth Removal	Case 2B * Tree Trimming and/or Tree Removal with Undergrowth Removal	Case 3B * Undergrowth Removal Only	
* The intent of the Remarks column is to provide the contractor with the an approximate level of effort for each location. Refer to the Staking Note and Special Note for Tree Stump and Brush Removal for further details about expected level of effort, particularly Part B of the Construction Methods which describes when complete removal of trees are required.													
** Approximate Horizontal Offset Dimension for Tree Clearing. Actual Dimension shall be determined in the field by the Engineer at the time of construction. Refer to the Staking Note.													
	LT 84+60	1.602	85+70	1.623	110	15		110					
	LT 92+10	1.744	93+00	1.761	90	15		90					
	LT 102+50	1.941	104+00	1.970	150	15			150				
	LT 104+25	1.974	104+70	1.983	45	15			45				
	LT 105+60	2.000	106+10	2.009	50	15		50					
	LT 114+20	2.163	114+70	2.172	50	15		50					
	LT 125+00	2.367	125+75	2.382	75	15				75			
	LT 127+10	2.407	127+40	2.413	30	15		30					
	LT 133+35	2.526	133+50	2.528	15	15		15					

SUMMARY OF ITEMS		
REMOVE TREES OR STUMPS		EACH
TRIM & REMOVE TREES & BRUSH		LF
		0
		615

US 68

GENERAL SUMMARY

COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

ITEM	DESCRIPTION	UNIT	TOTAL PROJECT
190	LEVELING & WEDGING PG64-22	TON	39
301	CL2 ASPH SURF 0.38D PG64-22	TON	119
356	ASPHALT MATERIAL FOR TACK	TON	0.81
462	CULVERT PIPE-18 IN	LF	8
464	CULVERT PIPE-24 IN	LF	25
1987	DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	EACH	9
2159	TEMPORARY DITCH	LF	6,311
2160	CLEAN TEMPORARY DITCH	LF	3,156
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	437.50
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	2
2460	REMOVE TREES OR STUMP	EACH	48
2562	TEMPORARY SIGNS	SQFT	300.00
2569	DEMOBILIZATION (US 68 HSIP)	LS	1
2650	MAINTAIN & CONTROL TRAFFIC (US 68 HSIP)	LS	1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2
2676	MOBILIZATION FOR MILL & TEXT	LS	1
2677	ASPHALT PAVE MILLING & TEXTURING	TON	45
2697	EDGE LINE RUMBLE STRIPS	LF	1,300
2701	TEMP SILT FENCE	LF	6,311
2703	SILT TRAP TYPE A	EACH	5
2704	SILT TRAP TYPE B	EACH	5
2705	SILT TRAP TYPE C	EACH	5
2706	CLEAN SILT TRAP TYPE A	EACH	5
2707	CLEAN SILT TRAP TYPE B	EACH	5
2708	CLEAN SILT TRAP TYPE C	EACH	5
2726	STAKING (US 68 HSIP)	LS	1
2775	ARROW PANEL	EACH	2
3269	TRIM & REMOVE TREES & BRUSH	LF	25,890
5952	TEMP MULCH	SQYD	17,284
5953	TEMP SEEDING AND PROTECTION	SQYD	12,963
5963	INITIAL FERTILIZER	TON	1.36
5964	MAINTENANCE FERTILIZER	TON	0.78
5985	SEEDING AND PROTECTION	SQYD	25,926

① PIPE EXTENSION SHALL BE OF IN-KIND MATERIAL

US 68

GENERAL SUMMARY

COUNTY OF	ITEM NO.
MARSHALL	1-9019.00

ITEM	DESCRIPTION	UNIT	TOTAL PROJECT
5992	AGRICULTURAL LIMESTONE	TON	16.07
6406	SBM ALUM SHEET SIGNS .080 IN	SQFT	1,236.05
6407	SBM ALUM SHEET SIGNS .125 IN	SQFT	195.68
6410	STEEL POST TYPE 1	LF	3,046
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	2,600
21373ND	REMOVE SIGN	EACH	222
21819NN	FITTINGS	EACH	3
24631EC	BARCODE SIGN INVENTORY	EACH	364
26131ED	SLOPED AND MITERED HEADWALL-18 IN	EACH	1
26132ED	SLOPED AND MITERED HEADWALL-24 IN	EACH	2
26175EC	ROADSIDE REGRADING	LF	580

SUPERELEVATION IMPROVEMENT SUMMARY
MARSHALL COUNTY - US 68
MP 0.000 TO MP 22.250
ITEM NO. 1-9019

Begin Milepoint	Begin Station	End Milepoint	End Station	Width of Section (ft)	Length of Section (ft)	Runoff Length (ft)	Runout Length (ft)	Existing Superelevation (%)	Proposed Superelevation (%)	Leveling & Wedging PG64-22 (TON)	CL 2 Asphalt Surf 0.38D PG64-22 (TON)	Asphalt Pave Milling & Texturing (Ton)	Roadside Regrading (LF) ²	Asphalt Material For Tack (Ton)	
18.007	950+75	18.030	952+00	24	125	Edge Key									0.14
18.030	952+00	18.106	956+00	24	400	204	51	-0.5% to 6.5%	8% LT.	39	73	22	400	0.53	
18.106	956+00	18.130	957+25	24	125	Edge Key									0.14
TOTAL										39 TON	119 TON	45 TON	400 LF	0.81 TON	

ITEM	DESCRIPTION	UNIT	QUANTITY
190	LEVELING & WEDGING PG64-22	TON	39
301	CL2 ASPHALT SURFACE 0.38D PG64-22	TON	119
356	ASPHALT MATERIAL FOR TACK	TON	0.81
26175EC	ROADSIDE REGRADING	LF	400
2677	ASPHALT PAVE MILLING & TEXTURING	TON	45
2697	EDGE LINE RUMBLE STRIPS	LF	1,300
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	2,600

Note 1: These numbers are for estimate purposes only. Final locations and quantities will be determined by the Engineer in the field.
Refer to the Superelevation Detail for a Transition Table.

Note 2: These numbers are for information purposes only. Quantity totaled on Roadside Regrading Summary.

Note 3: All quantities carried over to General Summary Sheet.

ROADSIDE REGRADING SUMMARY
MARSHALL COUNTY - US 68
MP 0.000 TO MP 22.250
ITEM NO. 1-9019

Notes:	* The "Figure References" noted below refer to the Figure number within the Roadside Regrading and Embankment Benching Detail Sheet that is the closest representation of the intended Roadside Regrading																
	** The Estimated Volumes of Excavation and Embankment are provided for informational purposes ONLY. The Department gives no guarantee to the accuracy of the estimated volumes. The Bidder must draw his/her own conclusion. Payment will be based on the Linear Footage of Roadside Regrading performed, regardless of the accuracy of the Estimated Volumes of Excavation and Embankment.																
LOCATION																	
Side of Road	Approx. BEGIN Station	Approx. END Milepoint	Length (LF)	Estimated Excavation Volume** (CU YD)	Estimated Embankment Volume** (CU YD)	Roadside Regrading Detail Sheet Figure Ref. *	Target Fill Slope	Include DGA Wedge? (Yes/No)	Asphalt Seal Coat (TON)	Asphalt Seal Aggregate (TON)	Channel Line Ditch, Fill Slope or Cut Slope? (Yes/No)	Channel Lining Class II (TONS)	Geotex. Fabric Type IV (SQ YD)	Remarks			
RT	307+53	308+03	5.834	2	6	Figure 2	3 : 1	No			No						
RT	910+70	911+00	17.254	0	3	Figure 1	4 : 1	No			No						
RT	952+00	18.030	18.106	44	44	Figure 1	6 : 1	No			No						
RT	971+95	18.408	18.418	6	6	Figure 9	3 : 1	No			No						
RT	979+85	18.558	18.567	7	6	Figure 9	3 : 1	No			No						

Summary of Items												
Roadside Regrading	580	LF		Asphalt Seal Coat		0	TONS		Channel Lining Class II		0	TONS
	DGA	0	TONS	Asphalt Seal Aggregate		0	TONS		Geotextile Fabric Type IV		0	SQ YD

PIPE REPLACEMENT & EXTENSION SUMMARY
MARSHALL COUNTY - US 68
MP 0.000 TO MP 22.250
ITEM NO. 1-9019

Mile Point	Station	Existing				Proposed															Comments									
		Pipe Size, Type	Left Hdwl	Right Hdwl	Skew	Length (LF)	Remove Pipe (LF)		Pipe Extension Length (LF)		Pipe Fitting (EACH)3	Entrance Pipe 15" (LF)	Culvert Pipe 18" (LF)	Culvert Pipe 24" (LF)	Culvert Pipe 30" (LF)	Culvert Pipe 36" (LF)	Box Culvert (LF)	Headwall or Drainage Box		Roadside Regrading (LF)		CL2 Asph Base 1.50D PG64-22 (TON)		Asph Material for Tack Non-Tracking (TON)		Channel Lining C II (TON)				
							Left	Right	Left	Right								Left	Right	Left		Right	Left	Right	Left	Right	Left	Right	Left	Right
5.829	307+78	18" RCP	STD	STD		33				8	1	8								Sloped & Mitered		50								
18.413	972+20	24" RCP	STD	STD		34				13	1		13							Sloped & Mitered		50								
18.563	980+10	24" RCP	STD	STD		36				12	1		12							Sloped & Mitered		50								
TOTALS:							0 LF				3 EACH	0 LF	8 LF	25 LF	0 LF	0 LF	0 LF				150 LF		0 TON	0 TON	0 TON	0 TON	0 TON			

Inlet & Outlet Structure Totals	
Drop Box Inlet Type 1	Each
Safety Box Inlet 18 Inch	Each
Sloped & Mitered Conc. Headwall - 18"	1
Sloped & Mitered Conc. Headwall - 24"	2
Sloped & Mitered Conc. Headwall - 30"	Each
Sloped & Mitered Conc. Headwall - 36"	Each
Sloped & Mitered Conc. Headwall - 42"	Each
Remove Headwall	Each

- NOTES:
1. These Pipe and Drainage Item quantities and locations are approximate and are intended to provide a basis for bid. Final locations, flow line elevations, grate elevations, and quantities will be determined by the Contractor and approved by the Engineer in the field.
 2. Clearing and grubbing necessary to install drainage items, as directed by the Engineer, will be considered part of Site Preparation, which is incidental to the Contract.
 3. See Dual Wall Adapter Fitting Detail.
 4. Roadside Regrading to be performed as part of culvert extensions will be detailed on the Roadside Regrading Summary. Roadside Regrading quantities shown here are for informational purposes only.

GUARDRAIL SUMMARY
MARSHALL COUNTY - US 68
MP 0.000 TO MP 22.250
ITEM NO. 1-9019

Notes: Begin/End Milepoints are estimated to include the entire length of the Rail AND the End Treatments. The Engineer may adjust the proposed guardrail termini to ensure proper installation of the guardrail system.															
Proposed Guardrail to be Constructed										Existing Guardrail to be Removed					
Side of Road	Proposed BEGINNING Treatment	Approx. BEGIN Station	Approx. BEGIN Milepoint	Approx. END Station	Approx. END Milepoint	Proposed ENDING Treatment	Proposed Length (LF)	Number of Radius Rail	Remarks	Side of Road	Approx. BEGIN Station	Approx. BEGIN Milepoint	Approx. END Station	Approx. END Milepoint	Existing Length (LF)
LT	Type 1	922+00	17.462	927+35	17.563	Type 1	437.50					0.000		0.000	0.00

Notes: Begin/End Milepoints are estimated to include the entire length of the Rail AND the End Treatments. The Engineer may adjust the proposed guardrail termini to ensure proper installation of the guardrail system.

Summary of Items									
Guardrail-Steel W Beam-S Face	GR Connector to Bridge End Type A	0	EACH						
	GR Connector to Bridge End Type A-1	0	EACH						
	GR Connector to Bridge End Type C	0	EACH						
	GR Connector to Bridge End Type D	0	EACH						
	Thrie-Beam Transition (TL-2)	0	EACH						
	Thrie-Beam Transition (TL-3)	0	EACH						
	DGA	0	TONS						
	Asphalt Seal Coat	0.00	TONS						
	Asphalt Seal Aggregate	0.00	TONS						
Guardrail-Steel W Beam-S Face A	LF	0	LF						
	Remove Guardrail	0.00	LF						
	Delineator for Guardrail B/W	9	EACH						
	End Treatment Type 1	2	EACH						
	End Treatment Type 2A	0	EACH						
	End Treatment Type 3	0	EACH						
	End Treatment Type 4A	0	EACH						
	End Treatment Type 7	0	EACH						
	Terminal Section No. 1	0	EACH						
		0	LF						

REMOVE SIGN SUMMARY MARSHALL COUNTY - US 68 MP 0.000 - 22.250 ITEM NO. 1-9019						
Approx. Location		Sign Details		Approx. Location		Sign Details
Station	LT / RT			Station	LT / RT	
0+30	RT	Bicycle w/ Share the Road		195+30	RT	JCT w/ KY 1396
6+00	LT	No Passing Zone		199+35	LT	West US 68
6+65	RT	No Passing Zone		201+25	RT	KY 1396 w/ Right Arrow
12+30	RT	Type 3 Object Marker (Right)		201+70	LT	US 68 w/ Two-Direction Left/Right Arrow
36+85	RT	No Passing Zone		202+15	LT	KY 1396 w/ Left Arrow
40+20	RT	Type 3 Object Marker (Right)		203+90	RT	East US 68
44+75	RT	School Advance Warning w/ Ahead		208+80	LT	JCT w/ KY 1396
46+35	LT	End School Zone		209+70	RT	Mile Marker 4
52+85	RT	Mile Marker 1		249+20	LT	No Passing Zone
53+40	RT	JCT w/ KY 1042		249+40	RT	No Passing Zone
58+00	LT	West US 68		253+20	RT	JCT w/ KY 1712
59+50	RT	KY 1042 w/ Left Arrow		253+90	RT	School Bus Stop Ahead
61+85	LT	KY 1042 w/ Right Arrow		256+30	RT	Curve Right w/ Adv. Speed
63+25	RT	East US 68		257+95	RT	Type 3 Object Marker (Right)
66+70	LT	JCT w/ KY 1042, Type 3 Object Marker (Right)		258+05	LT	West US 68 w/Type 3 Object Marker (Right)
69+55	RT	End School Zone		259+45	RT	
70+85	LT	School Advance Warning w/ Ahead		260+50 LT		KY 1712 w/ Left Arrow, Two-Direction Large Arrow
78+65	RT	JCT w/ KY 795		263+85	LT	Right/Left Chevron
82+50	LT	West US 68		263+90	RT	Mile Marker 5
83+70	RT	KY 795 w/ Two-Direction Straight/Right Turn Arrow		264+35	LT	Right/Left Chevron
84+20	LT	US 68 w/ Double Arrow, KY 795 w/ Left Arrow, Two-Direction Large Arrow, Two Object Mrkrers Ttype 4		265+10	LT	JCT w/ KY 1712
87+45	RT	KY 795 w/ Left Arrow		266+80	RT	JCT w/ KY 1413
89+10	LT	KY 795 w/ Two-Direction Straight/Right Turn Arrow		272+40	LT	Curve Left w/ Adv. Speed
91+25	RT	East US 68		272+75	RT	US 68 w/ Two-Direction Left/Right Arrow
95+10	LT	JCT w/ KY 795		273+10	LT	KY 1413 w/ Right Arrow
103+70	RT	Type 3 Object Marker (Right)		273+10	LT	School Bus Stop Ahead, w/ Neighborhood Watch Sign: Remove, Store & Re-install Neighborhood Watch Sign onto Sign Assembly #73
104+20	RT	No Passing Zone		274+40	RT	East US 68
105+55	RT	Mile Marker 2		280+10	LT	JCT w/ KY 1413
110+20	RT	Emergency Vehicle		298+20	RT	No Passing Zone
123+20	LT	Emergency Vehicle		299+60	LT	No Passing Zone
130+30	RT	Side Road Intersection (Right)		315+55	LT	No Passing Zone
139+30	RT	Curve Left		316+70	RT	Mile Marker 6
152+60	LT	School Bus Stop Ahead		318+60	RT	No Passing Zone
159+30	LT	Curve Right		329+20	RT	Reverse Curve Left w/ Adv. Speed
161+25	RT	Mile Marker 3		335+45	RT	JCT w/ KY 3456
168+80	RT	JCT w/ KY 1610		335+65	RT	School Bus Stop Ahead
175+00	LT	West US 68		340+30	LT	West US 68
175+15	LT	Type 3 Object Marker (Right)		341+85	RT	US 68 w/ Two-Direction Left/Right Arrow
175+40	RT	KY 1610 w/ Left Arrow		341+90	LT	KY 3456 w/ Left Arrow, KY 3456 w/ Right Arrow
175+45	RT	US 68 w/ Two-Direction Left/Right Arrow		344+05	RT	East US 68
176+20	LT	KY 1610 w/ Right Arrow		349+80	LT	JCT w/ KY 3456
176+65	RT	East US 68		353+75	LT	Reverse Curve Left w/ Adv. Speed
180+60	LT	JCT w/ KY 1610		355+10	RT	Side Road Intersestion Left
180+85	RT	Side Road Intersection Left w/ Adv. Speed		357+95	RT	JCT w/ KY 1422

REMOVE SIGN SUMMARY MARSHALL COUNTY - US 68 MP 0.000 - 22.250 ITEM NO. 1-9014						
Approx. Location		Sign Details		Approx. Location		Sign Details
Station	LT / RT			Station	LT / RT	
361+70	LT	School Bus Stop Ahead		710+00	RT	Two-Direction Large Arrow w/ 2 Type 4 Object Marker (all red)
362+50	LT	West US 68				
362+55	RT	KY 1422 w/ Left Arrow				
363+30	RT	Two-Direction Large Arrow		715+90	LT	Side Road Intersestion Right w/ Adv. Speed
365+15	LT	KY 1422 w/ Right Arrow				
365+35	RT	East US 68		718+75	RT	No Passing Zone
370+30	RT	Mile Marker 7		727+85	LT	No Passing Zone
371+40	LT	JCT w/ KY 1422		729+75	RT	JCT w/ KY 1462
400+65	RT	JCT w/ KY 95		735+15	LT	West US 68
408+10	LT	West US 68		735+40	RT	KY 1462 w/ Right Arrow
409+60	RT	KY 95 w/ Left Arrow		736+90	LT	KY 1462 w/ Left Arrow
410+10	LT	Two-Direction Large Arrow		740+90	RT	East US 68 w/ Mile Marker 14
410+20	RT	Stop Sign		741+40	LT	JCT w/KY 1462
410+40	LT	KY 95 w/ Diagonal Right Arrow		754+90	RT	School Bus Stop Ahead
411+40	RT	East US 68		764+65	LT	Deer Crossing
417+90	LT	JCT w/ KY 95		771+90	LT	No Passing Zone
436+70	RT	No Passing Zone		791+40	RT	Mile Marker 15
439+45	LT	No Passing Zone		830+60	LT	School Bus Stop Ahead
448+20	LT	School Bus Stop Ahead		844+80	RT	Mile Marker 16
549+25	LT	Speed Zone Ahead		853+60	RT	No Passing Zone
561+95	RT	School w/ Ahead		868+70	RT	Left Curve
562+40	LT	End School Speed Limit & End Higher Fines Zone		870+00	LT	No Passing Zone
562+65	RT	Begin Higher Fines Zone		870+30	RT	No Passing Zone
563+60	RT	Right Lane Must Turn Right		876+60	RT	JCT w/KY 408
578+30	RT	Two Way Left Turn Only		879+85	RT	Divided Road
580+00	RT	School w/ Ahead		880+85	RT	School Bus Stop Ahead
582+05	RT	Mile Marker 11		882+35	LT	West US 68
583+15	LT	School w/ Ahead		883+20	RT	KY 408 w/ Right Arrow
585+10	LT	Two Way Left Turn Only		884+50	LT	KY 408 w/ Left Arrow
587+35	LT	Bicycle w/ Share The Road		885+10	RT	Yield w/ Do Not Enter
591+70	RT	End School Speed Limit & End Higher Fines Zone		885+20	RT	Yield w/ Do Not Enter
592+90	LT	Begin Higher Fines Zone		887+35	RT	East US 68
594+40	LT	School w/ Ahead		890+60	LT	JCT w/ KY 408
598+35	LT	No Passing Zone		892+35	LT	Divided Road
618+85	RT	JCT w/ KY 58		894+65	RT	Right Curve w/Adv. Speed
623+25	LT	West US 68		897+60	RT	School Bus Stop Ahead w/ Mile Marker 17
623+85	RT	KY 58 w/ Right Arrow		902+35	LT	Right Chevron
624+65	LT	KY 58 w/ Left Arrow		903+15	LT	Right/Left Chevron
625+40	RT	East US 68		904+15	LT	Right/Left Chevron
629+00	LT	JCT w/ KY 58		905+15	LT	Right/Left Chevron
633+35	RT	Mile Marker 12		906+75	LT	Right/Left Chevron
684+70	RT	No Passing Zone		907+95	LT	Left Chevron
686+10	RT	Mile Marker 13		913+50	RT	Right Curve w/Adv. Speed
692+20	LT	No Passing Zone		916+90	LT	No Passing Zone
702+20	RT	Side Road Intersestion Left w/ Adv. Speed		917+30	LT	Left Curve w/ Adv. Speed
			917+80	RT	No Passing Zone	
			922+80	LT	School Bus Stop Ahead	
			932+60	RT	Emergency Vehicle	

REMOVE SIGN SUMMARY MARSHALL COUNTY - US 68 MP 0.000 TO MP 22.250 ITEM NO. 1-9019						
Approx. Location		Sign Details		Approx. Location		Sign Details
Station	LT / RT			Station	LT / RT	
934+20	LT	No Passing Zone				
934+30	RT	Truck Crossing/No Passing Zone				
936+00	LT	Left Curve w/ Adv. Speed				
945+35	RT	JCT w/ KY 962 (Sign Only)				
945+90	LT	West US 68				
951+05	RT	KY 962 w/ Right Arrow				
951+40	LT	US 68 w/ Double Arrow				
951+55	LT	KY 962 w/ Left Arrow				
951+70	RT	Mile Marker 18				
952+20	RT	East US 68				
952+40	RT	School Bus Stop Ahead				
954+25	LT	Emergency Vehicle				
958+80	LT	Offset Side Roads				
964+20	LT	Truck crossing				
965+50	LT	Right Curve w/ Adv. Speed				
967+15	LT	School Bus Stop Ahead				
987+50	RT	JCT w/ KY 1364				
991+25	LT	West US 68				
992+10	RT	KY 1364 w/ Right Arrow				
992+65	LT	US 68 w/ Double Arrow				
992+90	LT	KY 1364 w/ Left Arrow				
993+45	RT	East US 68				
996+95	LT	End School Zone				
997+00	RT	School w/ Ahead				
997+60	LT	JCT w/ KY 1364				
1003+90	RT	Mile Marker 19				
1010+25	RT	JCT w/ KY 1484				
1015+10	LT	School w/ Ahead				
1015+15	LT	West US 68				
1017+10	RT	KY 1484 w/ Left Arrow				
1017+10	RT	End School Zone				
1018+25	LT	KY 1484 w/ Right Arrow				
1019+80	RT	East US 68				
1019+80	RT	Right Curve w/Adv. Speed				
1024+75	LT	JCT w/ KY 1484				
1041+60	LT	Left Curve w/Adv. Speed				
1052+25	LT	No Passing Zone				
1055+90	RT	Mile Marker 20				
1058+75	RT	Curve Right				
1077+75	LT	Curve Left				
1091+40	LT	No Passing Zone				
1108+55	RT	Mile Marker 21				
1109+60	LT	No Passing Zone				
1113+60	RT	No Passing Zone				

SIGN SUMMARY
MARSHALL COUNTY - US 68
MP 0.000 TO MP 22.250
ITEM NO. 1-9019

Assembly ID	Side of Road	SIGN LOCATION				MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (Incdntd to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)
		Approx Offset (ft)	Approx Station	Approx Mile Point	Facing Traffic Traveling					Text/ Symbol Color	Background Color	Sheeting Type										
	RT	24	0+30	0.006	EB	W11-1	Bicycle		30 x 30	Black	Yellow	XI	6.25		Stnd w/ Soil Plate		1	13			13.0	1
					EB	W16-1P	Share the Road		18 x 24	Black	Yellow	XI	3.00								15.0	1
	LT	24	6+00	0.114	EB	W14-3	No Passing Zone		48 x 48 x 36	Black	Yellow	XI		5.56	Stnd w/ Soil Plate		1	15.0			15.0	1
					WB	W14-3	No Passing Zone		48 x 48 x 36	Black	Yellow	XI		5.56	Stnd w/ Soil Plate		1	15.0			15.0	1
	RT	24	12+30	0.233	EB	OM3-R	Object Marker Type 3 Right		12 x 36	Black	Yellow	XI	3.00		Stnd w/ Soil Plate		1	15.0			15.0	1
					WB	W14-3	No Passing Zone		48 x 48 x 36	Black	Yellow	XI		5.56	Stnd w/ Soil Plate		1	15.0			15.0	1
	RT	24	40+20	0.761	EB	OM3-R	Object Marker Type 3 Right		12 x 36	Black	Yellow	XI	3.00		Stnd w/ Soil Plate		1	12.5			12.5	1
					EB	S1-1	School Area Sign		36 x 36	Black	FL Yellow-Green	XI	9.00		Stnd w/ Soil Plate		1	14.0			14.0	1
					EB	W16-9P	Ahead		24 x 12	Black	Yellow	XI	2.00								13.5	1
	LT	24	46+35	0.878	WB	S5-2	End School Zone		24 x 30	Black	White	XI	5.00		Stnd w/ Soil Plate		1	13.5			13.5	1
						M2-1	Junction		21 x 15	Black	White	XI	2.19								13.0	1
	RT	24	52+65	0.997	EB	M1-5a	State Route Sign (3 or 4 digit)	1042	30 x 24	Black	White	XI	5.00		Stnd w/ Soil Plate		1	13.0			13.0	1
					EB	D10-1	State Route Sign (3 or 4 digit)	1	10 x 18	White	Green	XI	1.25								12.5	1
	RT	24	52+80	1.000	WB	D10-1	Mile Marker (1 digit)	1	10 x 18	White	Green	XI	1.25		Stnd w/ Soil Plate		1	12.5			12.5	1
						M3-4	West		24 x 12	Black	White	XI	2.00								12.0	1
	LT	24	58+10	1.100	WB	M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00		Stnd w/ Soil Plate		1	12.0			12.0	1
						M1-4	US Route Sign (1 or 2 digit)		24 x 24	Black	White	XI	4.00								12.5	1
	RT	24	58+65	1.111	EB	M1-5a	State Route Sign (3 or 4 digit)	1042	30 x 24	Black	White	XI	5.00		Stnd w/ Soil Plate		1	12.5			12.5	1
					EB	M6-1L	Left Arrow		21 x 15	Black	White	XI	2.19								12.0	1
						M3-2	East		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate		1	12.0			12.0	1
	RT	24	62+80	1.189	EB	M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00								12.5	1
					WB	M1-5a	State Route Sign (3 or 4 digit)	1042	30 x 24	Black	White	XI	5.00		Stnd w/ Soil Plate		1	12.5			12.5	1
	LT	24	62+90	1.191	WB	M6-1R	Right Arrow		21 x 15	Black	White	XI	2.19								13.5	1
						OM3-R	Object Marker Type 3 Right		12 x 36	Black	Yellow	XI	3.00		Stnd w/ Soil Plate		1	13.5			13.5	1
	LT	24	66+40	1.258	WB	M2-1	Junction		21 x 15	Black	White	XI	2.19								13.0	1
					WB	M1-5a	State Route Sign (3 or 4 digit)	1042	30 x 24	Black	White	XI	5.00		Stnd w/ Soil Plate		1	13.0			13.0	1
	RT	24	68+90	1.305	WB	M1-5a	State Route Sign (3 or 4 digit)		30 x 24	Black	White	XI	5.00		Stnd w/ Soil Plate		1	13.5			13.5	1
					EB	S5-2	End School Zone		24 x 30	Black	White	XI	5.00								14.0	1
	LT	24	70+85	1.342	WB	S1-1	School Area Sign		36 x 36	Black	FL Yellow-Green	XI	9.00		Stnd w/ Soil Plate		1	14.0			14.0	1
						W16-9P	Ahead		24 x 12	Black	Yellow	XI	2.00								13.0	1
	RT	24	76+05	1.440	EB	M2-1	Junction		21 x 15	Black	White	XI	2.19		Stnd w/ Soil Plate		1	13.0			13.0	1
						M1-5a	State Route Sign (3 or 4 digit)	795	30 x 24	Black	White	XI	5.00								12.5	1
	RT	24	82+05	1.554	EB	M1-5a	State Route Sign (3 or 4 digit)	795	30 x 24	Black	White	XI	5.00		Stnd w/ Soil Plate		1	12.5			12.5	1
						M6-6R	Straight & Right Arrows		21 x 15	Black	White	XI	2.19								12.0	1
	LT	24	82+20	1.557	WB	M3-4	West		24 x 12	Black	White	XI	2.00		Stnd w/ Soil Plate		1	12.0			12.0	1
						M1-4	US Route Sign (1 or 2 digit)	68	24 x 24	Black	White	XI	4.00								26.0	1
						M1-4	US Route Sign (1 or 2 digit)		24 x 24	Black	White	XI	4.00								26.0	1
	LT	24	84+25	1.596	NB	M6-4	Horizontal Double Arrow		21 x 15	Black	White	XI	2.19		Stnd w/ Soil Plate		2	13.0			26.0	1
						OM4-3	Object Marker Type 4		18 x 18	n/a	Red	XI	2.25								1	1
						OM4-3	Object Marker Type 4		18 x 18	n/a	Red	XI	2.25								1	1
						W1-7	Two-Direction Large Arrow		48 x 24	Black	Yellow	XI		8.00							12.5	1
	LT	24	86+30	1.634	WB	M1-5a	State Route Sign (3 or 4 digit)	795	30 x 24	Black	White	XI	5.00		Stnd w/ Soil Plate		1	12.5			12.5	1
						M6-1L	Left Arrow		21 x 15	Black	White	XI	2.19								1	1

SIGN LOCATION				MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2' Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (includng to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)
Assembly ID	Side of Road	Approx Offset (ft)	Approx Station	Facing Traffic Travelling				Text/ Symbol Color	Background Color	Sheeting Type										
	RT	24	87+45	EB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
					M6-1L	Left Arrow	21 x 15	Black	White	XI	2.19									1
	RT			EB	M3-2	East	24 x 12	Black	White	XI	2.00				1				12.0	1
		24	91+05	EB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	12.0				
	LT	24	91+10	WB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.5			12.5	1
					M6-6R	Straight & Right Arrows	21 x 15	Black	White	XI	2.19									1
	LT	24	97+00	EB	M2-1	Junction	21 x 15	Black	White	XI	2.19				1					1
					M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	13.0			13.0	1
	RT	24	103+65	EB	OM3-R	Object Marker Type 3 Right	12 x 36	Black	Yellow	XI	3.00				1	14.0			14.0	1
					W14-3	No Passing Zone	48 x 48 x 36	Black	Yellow	XI		5.56			1	15.0			15.0	1
	RT	24	104+20	WB	D10-1	Mile Marker (1 digit)	10 x 18	White	Green	XI	1.25				1	12.5			12.5	1
					WB	Mile Marker (1 digit)	10 x 18	White	Green	XI	1.25									1
	RT	24	105+60	EB	D10-1	Mile Marker (1 digit)	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
					W11-8	Emergency Vehicle	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
	LT	24	110+25	WB	W11-8	Emergency Vehicle	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
					WB	Emergency Vehicle	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
	RT	24	123+20	EB	W11-8	Emergency Vehicle	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
					WB	Emergency Vehicle	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
	LT	24	123+20	WB	W11-8	Emergency Vehicle	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
					WB	Emergency Vehicle	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
	RT	24	130+30	EB	W2-2R	Side Road Right	30 x 30	Black	FL Yellow	XI	6.25				1	15.0			15.0	1
					WB	Side Road Right	30 x 30	Black	FL Yellow	XI	6.25				1	15.0			15.0	1
	LT	24	139+30	EB	W1-2L	Left Curve	30 x 30	Black	FL Yellow	XI	6.25				1	15.0			15.0	1
					WB	Left Curve	30 x 30	Black	FL Yellow	XI	6.25				1	15.0			15.0	1
	RT	24	152+60	WB	S3-1	School Bus Stop Ahead	36 x 36	Black	Green	XI	9.00				1	15.5			15.5	1
					WB	School Bus Stop Ahead	36 x 36	Black	Green	XI	9.00				1	15.5			15.5	1
	LT	24	158+40	WB	D10-1	Mile Marker (1 digit)	10 x 18	White	Green	XI	1.25				1	12.5			12.5	1
					WB	Mile Marker (1 digit)	10 x 18	White	Green	XI	1.25				1	12.5			12.5	1
	RT	24	159+30	EB	W1-2R	Right Curve	30 x 30	Black	FL Yellow	XI	6.25				1	15.0			15.0	1
					WB	Right Curve	30 x 30	Black	FL Yellow	XI	6.25				1	15.0			15.0	1
	LT	24	159+30	WB	W1-2R	Right Curve	21 x 15	Black	White	XI	2.19				1	13.0			13.0	1
					WB	Right Curve	21 x 15	Black	White	XI	2.19				1	13.0			13.0	1
	RT	24	167+85	EB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.0			12.0	1
					WB	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.0			12.0	1
	LT	24	173+60	WB	M3-4	West	24 x 12	Black	White	XI	2.00				1	12.0			12.0	1
					WB	West	24 x 12	Black	White	XI	2.00				1	12.0			12.0	1
	RT	24	173+85	EB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	12.5			12.5	1
					WB	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	12.5			12.5	1
	LT	24	175+40	WB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.5			12.5	1
					WB	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.5			12.5	1
	RT	24	175+85	EB	M6-1L	Left Arrow	21 x 15	Black	White	XI	2.19				1	12.0			12.0	1
					WB	Left Arrow	21 x 15	Black	White	XI	2.19				1	12.0			12.0	1
	LT	24	175+40	WB	OM3-R	Object Marker Type 3 Right	12 x 36	Black	Yellow	XI	3.00				1	14.0			14.0	1
					WB	Object Marker Type 3 Right	12 x 36	Black	Yellow	XI	3.00				1	14.0			14.0	1
	RT	24	175+80	SB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	13.0			13.0	1
					WB	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	13.0			13.0	1
	LT	24	177+85	EB	M6-4	Horizontal Double Arrow	21 x 15	Black	White	XI	2.19				1	12.0			12.0	1
					WB	Horizontal Double Arrow	21 x 15	Black	White	XI	2.19				1	12.0			12.0	1
	RT	24	177+85	EB	M3-2	East	24 x 12	Black	White	XI	2.00				1	12.0			12.0	1
					WB	East	24 x 12	Black	White	XI	2.00				1	12.0			12.0	1
	LT	24	177+85	WB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	12.0			12.0	1
					WB	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	12.0			12.0	1
	RT	24	177+85	WB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.5			12.5	1
					WB	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.5			12.5	1
	LT	24	177+85	WB	M6-1R	Right Arrow	21 x 15	Black	White	XI	2.19				1	12.0			12.0	1
					WB	Right Arrow	21 x 15	Black	White	XI	2.19				1	12.0			12.0	1
	RT	24	181+65	EB	W2-2L	Side Road Left	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
					WB	Side Road Left	30 x 30	Black	Yellow	XI	6.25				1	15.0			15.0	1
	LT	24	184+65	EB	W13-1P	XX MPH (Advisory Speed)	18 x 18	Black	FL Yellow	XI	2.25				1	15.0			15.0	1
					WB	XX MPH (Advisory Speed)	18 x 18	Black	FL Yellow	XI	2.25				1	15.0			15.0	1
	RT	24	183+85	WB	M2-1	Junction	21 x 15	Black	White	XI	2.19				1	13.0			13.0	1
					WB	Junction	21 x 15	Black	White	XI	2.19				1	13.0			13.0	1
	LT	24	183+85	WB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	13.0			13.0	1
					WB	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	13.0			13.0	1
	RT	24	196+00	EB	M2-1	Junction	21 x 15	Black	White	XI	2.19				1	13.0			13.0	1
					WB	Junction	21 x 15	Black	White	XI	2.19				1	13.0			13.0	1
	LT	24	201+80	EB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.5			12.5	1
					WB	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.5			12.5	1
	RT	24	201+80	EB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.5			12.5	1
					WB	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00				1	12.5			12.5	1
	LT	24	202+00	WB	M6-1R	Right Arrow	21 x 15	Black	White	XI	2.19				1	12.0			12.0	1
					WB	Right Arrow	21 x 15	Black	White	XI	2.19				1	12.0			12.0	1
	RT	24	202+00	WB	M3-4	West	24 x 12	Black	White	XI	2.00				1	12.0			12.0	1
					WB	West	24 x 12	Black	White	XI	2.00				1	12.0			12.0	1
	LT	24	202+00	WB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	12.0			12.0	1
					WB	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	12.0			12.0	1
	RT	24	204+00	NB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	13.0			13.0	1
					WB	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00				1	13.0			13.0	1
	LT	24	204+00	NB	M6-4	Horizontal Double Arrow	21 x 15	Black	White	XI	2.19				1	13.0			13.0	1
					WB	Horizontal Double Arrow	21 x 15	Black	White	XI	2.19				1	13.0			13.0	1

Assembly ID	SIGN LOCATION				MUTCD Code	Sign Description	Sign Text / Remarks	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (includng to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)
	Side of Road	Approx Offset (ft)	Approx Station	Approx Mile Point	Facing Traffic Traveling			Text/ Symbol Color	Background Color	Sheeting Type										
	LT	24	206+00	3.902	WB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
						M6-1L	Left Arrow	Black	White	XI	2.19									1
	RT	24	206+20	3.905	EB	M3-2	East	Black	White	XI	2.00		Std w/ Soil Plate		1	12.0			12.0	1
						M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00									1
	RT	24	211+20	4.000	EB	D10-1	Mile Marker (1 digit)	White	Green	XI	1.25		Std w/ Soil Plate		1	12.5			12.5	1
					WB	D10-1	Mile Marker (1 digit)	White	Green	XI	1.25									1
	LT	24	212+00	4.015	WB	M2-1	Junction	Black	White	XI	2.19		Std w/ Soil Plate		1	13.0			13.0	1
						M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00									1
	LT	24	249+25	4.721	EB	W14-3	No Passing Zone	Black	Yellow	XI	5.56	5.56	Std w/ Soil Plate		1	15.0			15.0	1
	RT	24	249+40	4.723	WB	W14-3	No Passing Zone	Black	Yellow	XI	5.56	5.56	Std w/ Soil Plate		1	15.0			15.0	1
						M2-1	Junction	Black	White	XI	2.19									1
	RT	24	251+90	4.771	EB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	13.0			13.0	1
						S3-1	School Bus Stop Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	15.5			15.5	1
	RT	24	257+80	4.883	EB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
						M6-1R	Right Arrow	Black	White	XI	2.19									1
						OM3-R	Object Marker Type 3 Right	Black	Yellow	XI	3.00									1
						M3-4	West	Black	White	XI	2.00									1
	LT	24	257+95	4.885	WB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	13.0			13.0	1
						OM3-R	Object Marker Type 3 Right	Black	Yellow	XI	3.00									1
	LT	24	260+35	4.931	NB	W1-7	Two-Direction Large Arrow	Black	Yellow	XI		8.00	Std w/ Soil Plate		2	13.0			26.0	1
						M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
	RT	24	262+20	4.966	WB	M6-1L	Left Arrow	Black	White	XI	2.19		Std w/ Soil Plate		1	15.0			15.0	1
					EB	W1-2R	Right Curve	Black	FL Yellow	XI	6.25									1
	RT	24	262+35	4.969	EB	M3-2	East	Black	White	XI	2.00		Std w/ Soil Plate		1	12.0			12.0	1
						M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	13.0			13.0	1
	LT	24	262+80	4.977	WB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1
					EB	D10-1	Mile Marker (1 digit)	White	Green	XI	1.25		Std w/ Soil Plate		1	12.5			12.5	1
	RT	24	264+00	5.000	WB	D10-1	Mile Marker (1 digit)	White	Green	XI	1.25		Std w/ Soil Plate		1	13.0			13.0	1
					WB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1
	RT	24	264+30	5.006	WB	M2-1	Junction	Black	White	XI	2.19		Std w/ Soil Plate		1	13.0			13.0	1
					EB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	13.0			13.0	1
	LT	24	265+95	5.037	WB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1
					WB	W1-2L	Left Curve	Black	FL Yellow	XI	6.25		Std w/ Soil Plate		1	15.0			15.0	1
	LT	24	267+00	5.057	WB	W13-1P	XX MPH (Advisory Speed)	Black	FL Yellow	XI	2.25		Std w/ Soil Plate		1	13.0			13.0	1
						M2-1	Junction	Black	White	XI	2.19		Std w/ Soil Plate		1	13.0			13.0	1
	LT	24	268+20	5.080	WB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
					EB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
	RT	24	270+85	5.130	EB	M6-1L	Left Arrow	Black	White	XI	2.19		Std w/ Soil Plate		1	13.0			13.0	1
					SB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	15.5			15.5	1
	LT	24	273+10	5.172	WB	M6-4	Horizontal Double Arrow	Black	White	XI	2.19		Std w/ Soil Plate		1	12.0			12.0	1
						S3-1	School Bus Stop Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	12.0			12.0	1
	RT	24	274+75	5.204	EB	M3-2	East	Black	White	XI	2.00		Std w/ Soil Plate		1	12.0			12.0	1
						M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.5			12.5	1
	LT	24	274+90	5.206	WB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1

Assembly ID	SIGN LOCATION				MUTCD Code	Sign Description	Sign Text / Remarks	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2' Post (ft)	2'-1/4" Stiffener Req'd (incndtl to post)		TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)
	Side of Road	Approx Offset (ft)	Approx Station	Approx Mile Point	Facing Traffic Traveling			Text/ Symbol Color	Background Color	Sheeting Type										
					M6-1R	Right Arrow		Black	White	XI	2.19								1	1
	LT	24	280+85	5.319	W8	M2-1	Junction	Black	White	XI	2.19		Stnd w/ Soil Plate		1	13.0			13.0	1
					M1-5a	State Route Sign (3 or 4 digit)	1413	Black	White	XI	5.00								1	
	RT	24	298+20	5.648	W8	W14-3	No Passing Zone	Black	Yellow	XI		5.56	Stnd w/ Soil Plate		1	15.0			15.0	1
	LT	24	299+60	5.674	EB	W14-3	No Passing Zone	Black	Yellow	XI		5.56	Stnd w/ Soil Plate		1	15.0			15.0	1
	LT	24	315+55	5.976	EB	W14-3	No Passing Zone	Black	Yellow	XI		5.56	Stnd w/ Soil Plate		1	15.0			15.0	1
					D10-1	Mile Marker (1 digit)	6	White	Green	XI	1.25								1	1
	RT	24	316+80	6.000	WB	D10-1	Mile Marker (1 digit)	White	Green	XI	1.25		Stnd w/ Soil Plate		1	12.5			12.5	1
					W14-3	No Passing Zone		Black	Yellow	XI		5.56	Stnd w/ Soil Plate		1	15.0			15.0	1
	RT	24	318+60	6.034	WB	M2-1	Junction	Black	White	XI	2.19								1	1
	RT	24	332+00	6.288	EB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Stnd w/ Soil Plate		1	13.0			13.0	1
					S3-1	School Bus Stop Ahead	3456	Black	FL Yellow-Green	XI	9.00		Stnd w/ Soil Plate		1	15.5			15.5	1
	RT	24	335+65	6.357	EB	M3-4	West	Black	White	XI	2.00								1	1
	LT	24	338+85	6.418	WB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Stnd w/ Soil Plate		1	12.0			12.0	1
					M1-5a	State Route Sign (3 or 4 digit)	3456	Black	White	XI	5.00		Stnd w/ Soil Plate		1	12.5			12.5	1
	RT	24	339+00	6.420	EB	M6-1L	Left Arrow	Black	White	XI	2.19								1	1
					M1-4	US Route Sign (1 or 2 digit)	68	Black	White	XI	4.00		Stnd w/ Soil Plate		1	13.0			13.0	1
	RT	24	341+30	6.464	SB	M6-4	Horizontal Double Arrow	Black	White	XI	2.19								1	1
					M1-5a	State Route Sign (3 or 4 digit)	3456	Black	White	XI	5.00		Stnd w/ Soil Plate		1	12.5			12.5	1
	LT	24	342+35	6.484	WB	M6-1R	Right Arrow	Black	White	XI	2.19								1	1
					M3-2	East		Black	White	XI	2.00		Stnd w/ Soil Plate		1	12.0			12.0	1
	RT	24	343+45	6.505	EB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Stnd w/ Soil Plate		1	12.0			12.0	1
					W1-8L	Left Chevron		Black	FL Yellow	XI	3.00		Stnd w/ Soil Plate		1	13.0			13.0	1
	LT	24	344+85	6.531	WB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Stnd w/ Soil Plate		1	13.0			13.0	1
	LT	24	346+45	6.562	WB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Stnd w/ Soil Plate		1	13.0			13.0	1
	LT	24	347+85	6.588	WB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Stnd w/ Soil Plate		1	13.0			13.0	1
					W1-2L	Left Curve		Black	FL Yellow	XI	6.25								1	1
	LT	24	348+95	6.609	WB	W13-1P	XX MPH (Advisory Speed)	Black	FL Yellow	XI	2.25		Stnd w/ Soil Plate		1	15.0			15.0	1
					M2-1	Junction		Black	White	XI	2.19								1	1
	LT	24	350+40	6.636	WB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Stnd w/ Soil Plate		1	13.0			13.0	1
					W2-2L	Side Road Left		Black	Yellow	XI	6.25		Stnd w/ Soil Plate		1	15.0			15.0	1
	RT	24	354+90	6.722	EB	M2-1	Junction	Black	White	XI	2.19								1	1
					M1-5a	State Route Sign (3 or 4 digit)	1422	Black	White	XI	5.00		Stnd w/ Soil Plate		1	13.0			13.0	1
	RT	24	356+90	6.759	EB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Stnd w/ Soil Plate		1	13.0			13.0	1
					M3-4	West		Black	White	XI	2.00		Stnd w/ Soil Plate		1	12.0			12.0	1
	LT	24	360+00	6.818	WB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Stnd w/ Soil Plate		1	12.0			12.0	1
					M1-5a	State Route Sign (3 or 4 digit)	1422	Black	White	XI	5.00		Stnd w/ Soil Plate		1	12.5			12.5	1
	RT	24	360+90	6.835	EB	M6-1L	Left Arrow	Black	White	XI	2.19								1	1
	LT	24	361+00	6.837	WB	S3-1	School Bus Stop Ahead	Black	FL Yellow-Green	XI	9.00		Stnd w/ Soil Plate		1	15.5			15.5	1
					W1-7	Two-Direction Large Arrow		Black	Yellow	XI		8.00	Stnd w/ Soil Plate		2	13.0			26.0	1
	RT	24	362+80	6.871	SB	M3-2	East	Black	White	XI	2.00								1	1
					M1-4	US Route Sign (1 or 2 digit)	68	Black	White	XI	4.00		Stnd w/ Soil Plate		1	12.0			12.0	1
	LT	24	365+15	6.916	WB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Stnd w/ Soil Plate		1	12.5			12.5	1
					M6-1R	Right Arrow		Black	White	XI	2.19								1	1
	RT	24	369+60	7.000	WB	D10-1	Mile Marker (1 digit)	White	Green	XI	1.25		Stnd w/ Soil Plate		1	12.5			12.5	1
					W1-2L	Mile Marker (1 digit)	7	White	Green	XI	1.25								1	1
	LT	24	371+15	7.029	WB	M2-1	Junction	Black	White	XI	2.19		Stnd w/ Soil Plate		1	13.0			13.0	1
					M1-5a	State Route Sign (3 or 4 digit)	1422	Black	White	XI	5.00		Stnd w/ Soil Plate		1	13.0			13.0	1

Assembly ID	SIGN LOCATION				MUTCD Code	Sign Description	Sign Text / Remarks	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2' Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (includng to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)
	Side of Road	Approx Offset (ft)	Approx Station	Approx Mile Point	Facing Traffic Traveling			Text/ Symbol Color	Background Color	Sheeting Type										
	RT	24	401+50	7.604	EB	M2-1	Junction	Black	White	XI	2.19		Std w/ Soil Plate		1	13.0			13.0	1
						M1-5	State Route Sign (1 or 2 digit)	Black	White	XI	4.00								1	
	LT				WB	M3-4	West	Black	White	XI	2.00								1	
		24	407+25	7.713		M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
	RT	24	407+50	7.718	EB	M1-5	State Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.5			12.5	1
						M6-1L	Left Arrow	Black	White	XI	2.19								1	
	RT	24	409+85	7.762	SB	W1-7	Two-Direction Large Arrow	Black	Yellow	XI		8.00	Std w/ Soil Plate		2	13.0			26.0	1
						M3-2	East	Black	White	XI	2.00								1	
	RT	24	411+50	7.794	EB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
						M1-5	State Route Sign (1 or 2 digit)	Black	White	XI	4.00								1	
	LT	24	411+70	7.797	WB	M6-2R	Upward Right Diagonal Arrow	Black	White	XI	2.19		Std w/ Soil Plate		1	12.5			12.5	1
						M2-1	Junction	Black	White	XI	2.19		Std w/ Soil Plate		1					1
	LT	24	417+70	7.911	WB	M1-5	State Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	13.0			13.0	1
	RT	24	436+85	8.274	WB	W14-3	No Passing Zone	Black	Yellow	XI		5.56	Std w/ Soil Plate		1	15.0			15.0	1
	LT	24	440+00	8.333	EB	W14-3	No Passing Zone	Black	Yellow	XI		5.56	Std w/ Soil Plate		1	15.0			15.0	1
	LT	24	448+50	8.494	WB	S3-1	School Bus Stop Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	15.5			15.5	1
	LT	24	549+25	10.402	WB	W3-5	Speed Limit XX Ahead	White & Black	Yellow	XI	9.00		Std w/ Soil Plate		1	15.5			15.5	1
						S1-1	School Area Sign Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	14.0			14.0	1
	RT	24	561+95	10.643	EB	W16-9P		Black	Yellow	XI	2.00								1	
	LT	24	562+40	10.652	WB	S5-3	End School Speed Limit	Black	White	XI	5.00		Std w/ Soil Plate		1	13.5			13.5	1
	RT	24	562+70	10.657	EB	R2-10	Begin Higher Fines Zone	Black	White	XI	5.00		Std w/ Soil Plate		1	13.5			13.5	1
	RT	24	566+55	10.730	EB	R3-7R	Right Lane Must Turn Right	Black	White	XI	6.25		Std w/ Soil Plate		1	13.5			13.5	1
	RT	24	578+30	10.953	EB	R3-9b	Two-Way Left Turn ONLY	Black	White	XI	6.00		Std w/ Soil Plate		1	14.0			14.0	1
	RT	24	580+00	10.985	EB	S1-1	School Area Sign Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	14.0			14.0	1
						W16-9P		Black	Yellow	XI	2.00								1	
	RT	24	581+70	11.017	EB	D10-2	Mile Marker (2 digit)	White	Green	XI	1.88		Std w/ Soil Plate		1	13.5			13.5	1
					WB	D10-2	Mile Marker (2 digit)	White	Green	XI	1.88								1	
	LT	24	583+15	11.045	WB	S1-1	School Area Sign Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	14.0			14.0	1
	LT	24	585+10	11.081	WB	R3-9b	Two-Way Left Turn ONLY	Black	Yellow	XI	2.00		Std w/ Soil Plate		1	14.0			14.0	1
	LT	24	587+35	11.1241	EB	W11-1	Bicycle	Black	White	XI	6.25		Std w/ Soil Plate		1	13			13.0	1
					EB	W16-1P	Share the Road	Black	Yellow	XI	3.00								1	
	RT	24	591+65	11.205	EB	S5-3	End School Speed Limit	Black	White	XI	5.00		Std w/ Soil Plate		1	13.5			13.5	1
						R2-11	End Higher Fines Zone	Black	White	XI	5.00								1	
	LT	24	592+90	11.229	WB	R2-10	Begin Higher Fines Zone	Black	White	XI	5.00		Std w/ Soil Plate		1	13.5			13.5	1
	LT	24	594+40	11.258	WB	S1-1	School Area Sign Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	14.0			14.0	1
	LT	24	598+40	11.333	EB	W14-3	No Passing Zone	Black	Yellow	XI	2.00		Std w/ Soil Plate		1	15.0			15.0	1
						M2-1	Junction	Black	White	XI	2.19								1	
	RT	24	616+85	11.683	EB	M1-5	State Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	13.0			13.0	1
	RT	24	622+85	11.796	EB	M1-5	State Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.5			12.5	1
						M6-1R	Right Arrow	Black	White	XI	2.19								1	
						M3-4	West	Black	White	XI	2.00								1	
	LT	24	623+05	11.800	WB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1

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Assembly ID	SIGN LOCATION				MUTCD Code	Sign Description	Sign Text / Remarks	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2' Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (includng to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)
	Side of Road	Approx Offset (ft)	Approx Station	Approx Mile Point				Text/ Symbol Color	Background Color	Sheeting Type										
	RT	24	880+85	16.683	EB	S3-1	School Bus Stop Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	15.5			15.5	1
	RT	24	882+00	16.705	EB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
						M6-1R	Right Arrow	Black	White	XI	2.19								1	
						M3-4	West	Black	White	XI	2.00								1	
	LT	24	882+45	16.713	WB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
	LT	24	886+15	16.783	WB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
	RT	30	886+20	16.784	EB	M6-1L	Left Arrow	Black	White	XI	2.19		Std w/ Soil Plate		1	14.0			14.0	1
	RT	60	886+30	16.786	EB	R1-2	Yield	White	Red	XI	3.90		Std w/ Soil Plate		1	14.0			14.0	1
						M3-2	East	Black	White	XI	2.00								1	
	RT	24	889+00	16.837	EB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
						M2-1	Junction	Black	White	XI	2.19		Std w/ Soil Plate		1	13.0			13.0	1
	LT	24	892+15	16.897	WB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	15.5			15.5	1
	LT	24	892+80	16.909	WB	W6-1	Divided Highway	Black	Yellow	XI	9.00		Std w/ Soil Plate		1	13.5			13.5	1
	RT	24	897+60	17.000	EB	S3-1	School Bus Stop Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	15.0			15.0	1
						EB	Mile Marker (2 digit)	White	Green	XI	1.88								1	
						WB	Mile Marker (2 digit)	White	Green	XI	1.88								1	
	LT	24	916+90	17.366	EB	W14-3	No Passing Zone	Black	Yellow	XI	5.56	5.56	Std w/ Soil Plate		1	15.0			15.0	1
	RT	24	917+80	17.383	WB	W14-3	No Passing Zone	Black	Yellow	XI	5.56	5.56	Std w/ Soil Plate		1	15.0			15.0	1
	LT	24	922+80	17.477	EB	S3-1	School Bus Stop Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	15.5			15.5	1
	RT	24	932+60	17.663	EB	W11-8	Emergency Vehicle	Black	Yellow	XI	6.25		Std w/ Soil Plate		1	15.0			15.0	1
	LT	24	934+20	17.693	EB	W14-3	No Passing Zone	Black	Yellow	XI	5.56	5.56	Std w/ Soil Plate		1	15.0			15.0	1
						EB	Truck	Black	Yellow	XI	6.25								1	
	RT	24	934+30	17.695	WB	W14-3	No Passing Zone	Black	Yellow	XI	5.56	5.56	Std w/ Soil Plate		1	15.0			15.0	1
						M2-1	Junction	Black	White	XI	2.19								1	
	RT	24	943+50	17.869	EB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	13.0			13.0	1
						M3-4	West	Black	White	XI	2.00								1	
	LT	24	946+75	17.931	WB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
						EB	Left Curve	Black	FL Yellow	XI	6.25								1	
	RT	24	948+65	17.967	EB	W1-2L	Left Curve	Black	FL Yellow	XI	2.25		Std w/ Soil Plate		1	12.5			12.5	1
						W13-1P	XX MPH (Advisory Speed)													
	RT	24	949+40	17.981	EB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
						M6-1R	Right Arrow	Black	White	XI	2.19								1	
	RT	24	949+70	17.987	EB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1
						EB	Mile Marker (2 digit)	White	Green	XI	1.88								1	
	RT	24	950+40	18.000	WB	D10-2	Mile Marker (2 digit)	White	Green	XI	1.88		Std w/ Soil Plate		1	13.5			13.5	1
						WB	Mile Marker (2 digit)	White	Green	XI	1.88								1	
	RT	24	951+00	18.011	EB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1
	LT	24	951+55	18.022	NB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	13.0			13.0	1
						M6-4	Horizontal Double Arrow	Black	White	XI	2.19								1	
	RT	24	952+55	18.041	EB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1
	RT	24	953+00	18.049	EB	S3-1	School Bus Stop Ahead	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	15.5			15.5	1
	LT	24	953+50	18.059	WB	M1-5a	State Route Sign (3 or 4 digit)	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
						M6-1L	Left Arrow	Black	White	XI	2.19								1	
						M3-2	East	Black	White	XI	2.00								1	
	RT	24	953+70	18.063	EB	M1-4	US Route Sign (1 or 2 digit)	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
	RT	24	954+00	18.068	EB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1
	LT	24	954+50	18.078	WB	W11-8	Emergency Vehicle	Black	Yellow	XI	6.25		Std w/ Soil Plate		1	15.0			15.0	1
	RT	24	955+60	18.098	EB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1
	RT	24	957+00	18.125	EB	W1-8L	Left Chevron	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1

SIGN LOCATION					MUTCD Code	Sign Description	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING			SBM Alum Sheet Signs 0.080 IN (SQ FT)	SBM Alum Sheet Signs 0.125 IN (SQ FT)	Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (includng to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)
Assembly ID	Side of Road	Approx Offset (ft)	Approx Station	Approx Mile Point					Text/ Symbol Color	Background Color	Sheeting Type										
	RT	24	958+55	18.154	EB	W1-8L	Left Chevron	18 x 24	Black	FL Yellow	XI	3.00		Std w/ Soil Plate		1	13.0			13.0	1
	LT	24	958+80	18.159	WB	W2-7L	Offset Side Roads Left	30 x 30	Black	Yellow	XI	6.25		Std w/ Soil Plate		1	15.0			15.0	1
	LT	24	964+20	18.261	WB	W11-10	Truck	30 x 30	Black	Yellow	XI	6.25		Std w/ Soil Plate		1	15.0			15.0	1
	LT	24	967+15	18.317	WB	S3-1	School Bus Stop Ahead	36 x 36	Black	FL Yellow-Green	XI	9.00		Std w/ Soil Plate		1	15.5			15.5	1
						M2-1	Junction	21 x 15	Black	White	XI	2.19									1
	RT	24	984+35	18.643	EB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00		Std w/ Soil Plate		1	13.0			13.0	1
						M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00									1
	RT	24	990+35	18.757	EB	M6-1R	Right Arrow	21 x 15	Black	White	XI	2.19		Std w/ Soil Plate		1	12.5			12.5	1
						M3-4	West	24 x 12	Black	White	XI	2.00									1
	LT	24	990+50	18.759	WB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
						M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00									1
	LT	24	992+55	18.798	NB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00		Std w/ Soil Plate		1	13.0			13.0	1
						M6-4	Horizontal Double Arrow	21 x 15	Black	White	XI	2.19									1
						M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00									1
	LT	24	994+50	18.835	WB	M6-1L	Left Arrow	21 x 15	Black	White	XI	2.19		Std w/ Soil Plate		1	12.5			12.5	1
						M3-2	East	24 x 12	Black	White	XI	2.00									1
	RT	24	994+60	18.837	EB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
						M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00									1
	LT	24	996+90	18.881	WB	S5-2	End School Zone	24 x 30	Black	White	XI	5.00		Std w/ Soil Plate		1	13.5			13.5	1
						S1-1	School Area Sign	36 x 36	Black	FL Yellow-Green	XI	9.00									1
	RT	24	997+00	18.883	EB	W16-9P	Ahead	24 x 12	Black	Yellow	XI	2.00		Std w/ Soil Plate		1	14.0			14.0	1
						M2-1	Junction	21 x 15	Black	White	XI	2.19									1
	LT	24	1000+50	18.949	WB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00		Std w/ Soil Plate		1	13.0			13.0	1
						D10-2	Mile Marker (2 digit)	10 x 27	White	Green	XI	1.88									1
	RT	24	1003+20	19.000	WB	D10-2	Mile Marker (2 digit)	10 x 27	White	Green	XI	1.88		Std w/ Soil Plate		1	13.5			13.5	1
						M2-1	Junction	21 x 15	Black	White	XI	2.19									1
	RT	24	1009+45	19.118	EB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00		Std w/ Soil Plate		1	13.0			13.0	1
						S1-1	School Area Sign	36 x 36	Black	FL Yellow-Green	XI	9.00									1
	LT	24	1015+00	19.223	WB	W16-9P	Ahead	24 x 12	Black	Yellow	XI	2.00		Std w/ Soil Plate		1	14.0			14.0	1
						M3-4	West	24 x 12	Black	White	XI	2.00									1
	LT	24	1015+25	19.228	WB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
						M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00									1
	RT	24	1015+35	19.230	EB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
						M6-1L	Left Arrow	21 x 15	Black	White	XI	2.19									1
	RT	24	1017+05	19.262	EB	S5-2	End School Zone	24 x 30	Black	White	XI	5.00		Std w/ Soil Plate		1	13.5			13.5	1
						M3-2	East	24 x 12	Black	White	XI	2.00									1
	RT	24	1019+40	19.307	EB	M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00		Std w/ Soil Plate		1	12.0			12.0	1
						M1-4	US Route Sign (1 or 2 digit)	24 x 24	Black	White	XI	4.00									1
	LT	24	1019+50	19.309	WB	M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00		Std w/ Soil Plate		1	12.5			12.5	1
						M6-1R	Right Arrow	21 x 15	Black	White	XI	2.19									1
	LT	24	1025+50	19.422	WB	M2-1	Junction	21 x 15	Black	White	XI	2.19		Std w/ Soil Plate		1	13.0			13.0	1
						M1-5a	State Route Sign (3 or 4 digit)	30 x 24	Black	White	XI	5.00									1
	LT	24	1052+25	19.929	EB	W14-3	No Passing Zone	48 x 48 x 36	Black	Yellow	XI	5.56		Std w/ Soil Plate		1	15.0			15.0	1
						D10-2	Mile Marker (2 digit)	10 x 27	White	Green	XI	1.88									1
	RT	24	1056+00	20.000	WB	D10-2	Mile Marker (2 digit)	10 x 27	White	Green	XI	1.88		Std w/ Soil Plate		1	13.5			13.5	1
						W14-3	No Passing Zone	48 x 48 x 36	Black	Yellow	XI	5.56									1
	LT	24	1091+40	20.670	EB	D10-2	Mile Marker (2 digit)	10 x 27	White	Green	XI	1.88		Std w/ Soil Plate		1	15.0			15.0	1
						D10-2	Mile Marker (2 digit)	10 x 27	White	Green	XI	1.88									1
	RT	24	1108+80	21.000	WB	D10-2	Mile Marker (2 digit)	10 x 27	White	Green	XI	1.88		Std w/ Soil Plate		1	13.5			13.5	1
						W14-3	No Passing Zone	48 x 48 x 36	Black	Yellow	XI	5.56									1
	LT	24	1109+60	21.015	EB	D10-2	Mile Marker (2 digit)	10 x 27	White	Green	XI	1.88		Std w/ Soil Plate		1	15.0			15.0	1
	RT	24	1161+60	22.000	WB	D10-2	Mile Marker (2 digit)	10 x 27	White	Green	XI	1.88		Std w/ Soil Plate		1	13.5			13.5	1

SIGN LOCATION		Facing Traffic		Approx. Mile Point	Sign Text / Remarks	Sign Dimensions (in x in)	SHEETING	SBM Alum Sheet Signs (SQ FT)		SBM Alum Sheet Signs (SQ FT)		Installation Type	Bracing Req'd	# of Sign Posts	Estimated Length of 2" Post (ft)	Estimated Length of 2-1/2" Post (ft)	2-1/4" Stiffener Req'd (incldnt to post)	TOTAL Estimated Sign Post Length (LF)	Barcode Sign Inv. (EACH)	
		Approx. Offset (ft)	Approx. Station					Text/ Symbol Color	Background Color	Sheeting Type	Sheet Signs (SQ FT)									
Assembly ID	Side of Road	Summary of Items																		Barcode Sign Inv. (EACH)
		Summary of Items																		
		Summary of Items																		
		Summary of Items																		
		SBM Alum Sheet Signs 0.080 INCH		1236.05	SQ FT		Steel Post - Type 1		3.046	LF										
		SBM Alum Sheet Signs 0.125 INCH		195.68	SQ FT		GMSS Type D		0	EACH										
		Barcode Sign Inventory		364	EACH		GMSS Type D (Surface Mount)		0	EACH										
							Class A Concrete for Signs		0	CU YD										

TRIM AND REMOVE TREES AND BRUSH SUMMARY
MARSHALL COUNTY - US 68
MP 0.000 TO MP 22.250
ITEM NO. 1-9019

* The intent of the Remarks column is to provide the contractor with the an approximate level of effort for each location. Refer to the Staking Note and Special Note for Tree Stump and Brush Removal for further details about expected level of effort, particularly Part B of the Construction Methods which describes when complete removal of trees are required.													
** Approximate Horizontal Offset Dimension for Tree Clearing. Actual Dimension shall be determined in the field by the Engineer at the time of construction. Refer to the Staking Note.													
Side of Road	LOCATION					2460 REMOVE TREES OR STUMPS (EACH)	"X" Dimension**	03269 - TRIM & REMOVE TREES & BRUSH - LF *					Remarks *
	Approx. BEGIN Station	Approx. BEGIN Milepoint	Approx. END Station	Approx. END Milepoint	Length (LF)			Case 1 * Tree Trimming without Undergrowth Removal	Case 1B * Tree Trimming with Undergrowth Removal	Case 2 * Tree Trimming and/or Tree Removal without Undergrowth Removal	Case 2B * Tree Trimming and/or Tree Removal with Undergrowth Removal	Case 3B * Undergrowth Removal Only	
RT	4+40	0.083	5+60	0.106	120	15		120					
RT	7+15	0.135	11+85	0.224	470	15			470				
LT	31+00	0.587	35+20	0.667	420	15		420					
LT	36+20	0.686	41+30	0.782	510	15		510					
LT	42+00	0.795		N/A			1						
LT	42+65	0.808		N/A			1						
LT	42+90	0.813		N/A			1						
LT	43+15	0.817		N/A			1						
LT	51+35	0.973	52+60	0.996	125	15		125					
LT	59+00	1.117	59+75	1.132	75	15		75					
LT	61+60	1.167	62+85	1.190	125	15		125					
LT	65+45	1.240	66+55	1.260	110	15		110					
LT	67+10	1.271	67+45	1.277	35	15		35					
LT	72+50	1.373	72+75	1.378	25	15		25					
LT	85+65	1.622	86+15	1.632	50	15		50					
LT	87+35	1.654	87+65	1.660	30	15		30					
LT	91+95	1.741	92+30	1.748	35	15		35					
LT	111+65	2.115		N/A			1						
LT	111+75	2.116		N/A			1						
LT	111+85	2.118		N/A			1						
LT	111+95	2.120		N/A			1						
LT	122+05	2.312	124+90	2.366	285	15		285					
LT	130+00	2.462	130+90	2.479	90	15			90				
LT	135+15	2.560	137+75	2.609	260	15		260					
LT	139+95	2.651	140+15	2.654	20	15		20					
LT	146+85	2.781	147+55	2.795	70	15		70					
LT	159+20	3.015	159+50	3.021	30	15		30					
LT	169+50	3.210	169+90	3.218	40	15		40					
LT	179+20	3.394	179+45	3.399	25	15		25					
LT	180+50	3.419	183+05	3.467	255	15			255				
LT	188+35	3.567	188+60	3.572	25	15		25					
LT	189+05	3.580	189+40	3.587	35	15		35					
LT	190+95	3.616		N/A			1						
LT	190+25	3.603	190+50	3.608	25	15		25					
LT	192+50	3.646	193+10	3.657	60	15		60					

Notes:													
* The intent of the Remarks column is to provide the contractor with the an approximate level of effort for each location. Refer to the Staking Note and Special Note for Tree Stump and Brush Removal for further details about expected level of effort, particularly Part B of the Construction Methods which describes when complete removal of trees are required.													
** Approximate Horizontal Offset Dimension for Tree Clearing. Actual Dimension shall be determined in the field by the Engineer at the time of construction. Refer to the Staking Note.													
LOCATION					"X" Dimension**	2460 REMOVE TREES OR STUMPS (EACH)	03269 - TRIM & REMOVE TREES & BRUSH - LF *					Remarks *	
Side of Road	Approx. BEGIN Station	Approx. BEGIN Milepoint	Approx. END Station	Approx. END Milepoint			Case 1 * Tree Trimming without Undergrowth Removal	Case 1B * Tree Trimming with Undergrowth Removal	Case 2 * Tree Trimming and/or Tree Removal without Undergrowth Removal	Case 2B * Tree Trimming and/or Tree Removal with Undergrowth Removal	Case 3B * Undergrowth Removal Only		
LT	193+70	3.669		N/A		1							
LT	194+25	3.679		N/A		1							
LT	197+15	3.734	197+60	3.742	15		45						
LT	206+05	3.902	206+95	3.920	15		90						
LT	207+50	3.930	207+90	3.938	15		40						
LT	208+30	3.945		N/A		1							
LT	215+55	4.082	216+45	4.099	15			90					
LT	220+60	4.178	220+95	4.185	15		35						
LT	231+35	4.382		N/A		1							
LT	235+30	4.456	235+85	4.467	15		55						
LT	239+05	4.527		N/A		1							
LT	250+30	4.741	250+50	4.744	15		20						
RT	262+60	4.973		N/A		1							
RT	262+70	4.975		N/A		1							
RT	262+80	4.977		N/A		1							
RT	262+90	4.979		N/A		1							
RT	263+35	4.988		N/A		1							
RT	263+95	4.999		N/A		1							
RT	264+55	5.010		N/A		1							
LT	268+25	5.080	268+55	5.086	15		30						
LT	268+80	5.091	269+50	5.104	15		70						
LT	269+95	5.113	270+50	5.123	15		55						
LT	292+80	5.545	294+15	5.571	15		135						
LT	295+60	5.598	296+00	5.606	15		40						
LT	299+65	5.675	300+05	5.683	15		40						
LT	301+25	5.705	301+70	5.714	15		45						
LT	305+50	5.786		N/A		1							
LT	305+65	5.789		N/A		1							
LT	318+45	6.031		N/A		1							
LT	318+65	6.035		N/A		1							
LT	319+45	6.050	321+20	6.083	15		175						
LT	326+45	6.183	327+70	6.206	15		125						
LT	336+60	6.375		N/A		1							
RT	337+40	6.390	337+80	6.398	15		40						
LT	337+60	6.394		N/A		1							
LT	338+35	6.408		N/A		1							
RT	345+05	6.535	346+10	6.555	15		105						
LT	354+50	6.714	355+40	6.731	15		90						
RT	355+70	6.737	356+00	6.742	15		30						
RT	356+45	6.751		N/A		1							

* The intent of the Remarks column is to provide the contractor with the an approximate level of effort for each location. Refer to the Staking Note and Special Note for Tree Stump and Brush Removal for further details about expected level of effort, particularly Part B of the Construction Methods which describes when complete removal of trees are required.

** Approximate Horizontal Offset Dimension for Tree Clearing. Actual Dimension shall be determined in the field by the Engineer at the time of construction. Refer to the Staking Note.

* The intent of the Remarks column is to provide the contractor with the an approximate level of effort for each location. Refer to the Staking Note and Special Note for Tree Stump and Brush Removal for further details about Notes: expected level of effort, particularly Part B of the Construction Methods which describes when complete removal of trees are required. ** Approximate Horizontal Offset Dimension for Tree Clearing. Actual Dimension shall be determined in the field by the Engineer at the time of construction. Refer to the Staking Note.												
LOCATION					"X" Dimension**	2460 REMOVE TREES OR STUMPS (EACH)	03269 - TRIM & REMOVE TREES & BRUSH - LF *					Remarks *
Side of Road	Approx. BEGIN Station	Approx. BEGIN Milepoint	Approx. END Station	Approx. END Milepoint			Length (LF)	Case 1 * Tree Trimming without Undergrowth Removal	Case 1B * Tree Trimming with Undergrowth Removal	Case 2 * Tree Trimming and/or Tree Removal without Undergrowth Removal	Case 2B * Tree Trimming and/or Tree Removal with Undergrowth Removal	
LT	361+55	6.848	362+40	6.864	85	15		85				
LT	363+95	6.893	365+65	6.925	170	15			170			
LT	371+05	7.027	372+20	7.049	115	15		115				
LT	377+00	7.140		N/A								
LT	378+00	7.159	378+25	7.164	25	15		25				
LT	378+80	7.174		N/A								
LT	379+40	7.186		N/A								
LT	379+60	7.189		N/A								
LT	380+10	7.199		N/A								
LT	387+45	7.338		N/A								
LT	387+80	7.345	388+55	7.359	75	15		75				
LT	389+25	7.372	390+05	7.387	80	15		80				
LT	390+60	7.398		N/A								
LT	391+00	7.405		N/A								
LT	391+15	7.408		N/A								
LT	391+45	7.414		N/A								
LT	391+90	7.422	392+35	7.431	45	15		45				
LT	395+90	7.498	396+50	7.509	60	15		60				
LT	397+40	7.527	398+05	7.539	65	15		65				
LT	401+15	7.598	406+15	7.692	500	15				500		
RT	410+85	7.781	412+90	7.820	205	15			205			
LT	413+80	7.837	415+70	7.873	190	15			190			
LT	416+75	7.893	417+45	7.906	70	15		70				
LT	425+35	8.056	425+70	8.063	35	15		35				
LT	431+35	8.170	431+80	8.178	45	15		45				
LT	432+15	8.185	433+60	8.212	145	15			145			
LT	433+80	8.216		N/A								
LT	434+00	8.220		N/A								
LT	434+85	8.236	435+15	8.241	30	15		30				
LT	435+75	8.253	437+45	8.285	170	15			170			
RT	437+80	8.292		N/A								
RT	438+25	8.300	440+20	8.337	195	15				195		
LT	443+00	8.390	444+10	8.411	110	15				110		
LT	457+75	8.670	459+10	8.695	135	15		135				
LT	461+40	8.739	461+75	8.745	35	15		35				
LT	479+20	9.076		N/A								
RT	483+25	9.152	483+80	9.163	55	15						
LT	538+30	10.195	538+90	10.206	60	15						
LT	542+65	10.277		N/A								
LT	543+25	10.289		N/A								

* The intent of the Remarks column is to provide the contractor with the an approximate level of effort for each location. Refer to the Staking Note and Special Note for Tree Stump and Brush Removal for further details about Notes: expected level of effort, particularly Part B of the Construction Methods which describes when complete removal of trees are required. ** Approximate Horizontal Offset Dimension for Tree Clearing. Actual Dimension shall be determined in the field by the Engineer at the time of construction. Refer to the Staking Note.												
LOCATION					"X" Dimension**	2460 REMOVE TREES OR STUMPS (EACH)	03269 - TRIM & REMOVE TREES & BRUSH - LF *					Remarks *
Side of Road	Approx. BEGIN Station	Approx. BEGIN Milepoint	Approx. END Station	Approx. END Milepoint			Case 1 * Tree Trimming without Undergrowth Removal	Case 1B * Tree Trimming with Undergrowth Removal	Case 2 * Tree Trimming and/or Tree Removal without Undergrowth Removal	Case 2B * Tree Trimming and/or Tree Removal with Undergrowth Removal	Case 3B * Undergrowth Removal Only	
LT	543+35	10.291		N/A		1						
LT	600+60	11.375	601+15	11.385	15			55				
LT	631+40	11.958	633+65	12.001	15				225			
LT	642+90	12.176		N/A		1						
RT	692+65	13.118		N/A		1						
RT	704+75	13.348	705+40	13.360	15			65				
LT	710+50	13.456	710+90	13.464	15			40				
LT	729+70	13.820	731+95	13.863	15				225			
RT	732+80	13.879	735+55	13.931	15			275				
LT	735+60	13.932	736+00	13.939	15			40				
LT	746+20	14.133	756+40	14.326	15		1020					
RT	750+50	14.214	755+20	14.303	15		470					
RT	763+65	14.463	766+40	14.515	15			275				
LT	770+50	14.593	771+50	14.612	15				100			remove 2 coniferous trees
LT	772+35	14.628	774+35	14.666	15		200					
RT	773+25	14.645	774+90	14.676	15			165				
RT	801+75	15.185	802+25	15.194	15		50					1 tree to trim
LT	819+80	15.527	826+30	15.650	15		650					
LT	832+15	15.760	834+90	15.813	15		275					
RT	833+40	15.784	835+00	15.814	15		160					
LT	852+50	16.146	853+80	16.170	15		130					
RT	877+75	16.624	879+00	16.648	15		125					
RT	880+35	16.673	880+75	16.681	15		40					
RT	881+70	16.699	882+20	16.708	15		50					
RT	896+65	16.982	897+25	16.993	15				60			
RT	899+25	17.031	899+85	17.043	15				60			
RT	902+00	17.083	903+20	17.106	15				120			
RT	903+85	17.118	909+00	17.216	15					515		
LT	917+20	17.371	919+40	17.413	15				220			
RT	922+00	17.462	923+50	17.491	15			150				
RT	927+00	17.557	927+55	17.567	15					55		
RT	929+10	17.597	930+00	17.614	15			90				
RT	930+00	17.614	941+25	17.827	15		1125					
LT	959+35	18.170	961+00	18.201	15		165					
LT	1001+75	18.973	1002+35	18.984	15			60				
LT	1020+85	19.334	1024+10	19.396	15			325				
LT	1032+55	19.556	1033+45	19.573	15		90					
RT	1037+00	19.640	1038+00	19.659	15					100		
LT	1037+60	19.652	1039+10	19.680	15		150					
RT	1038+30	19.665	1040+00	19.697	15		170					

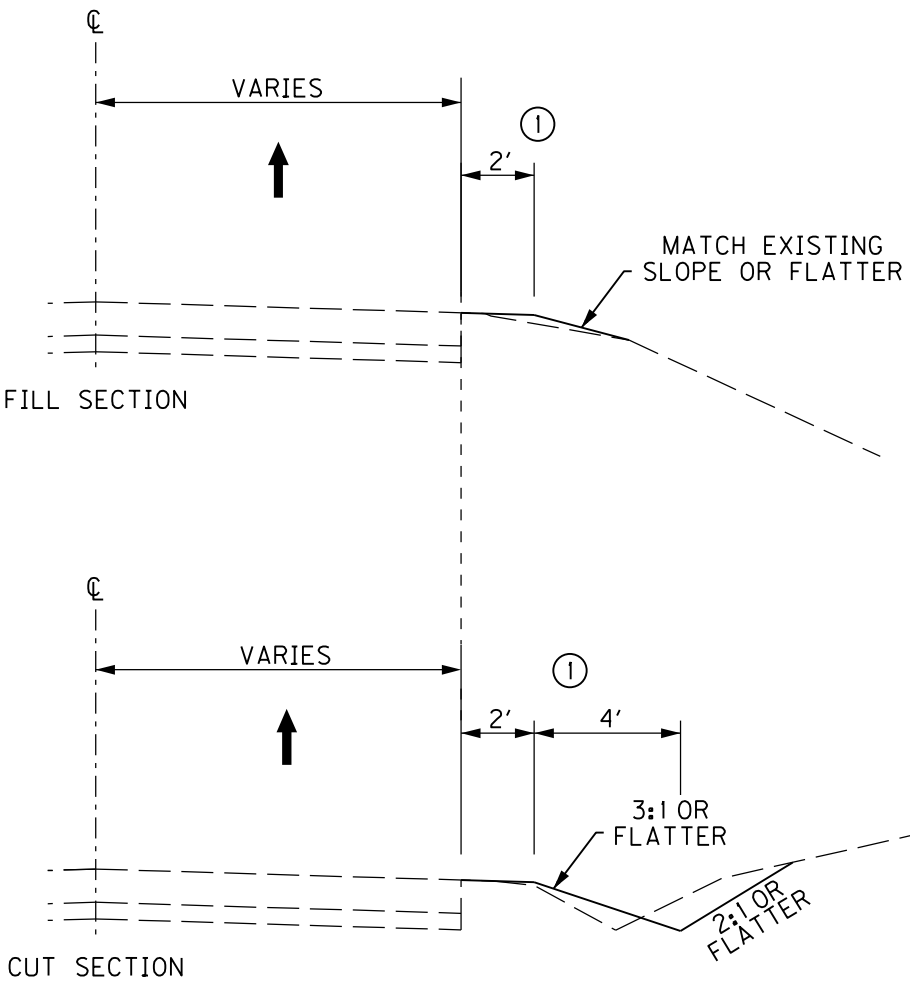
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LOCATION					2460 REMOVE TREES OR STUMPS (EACH)	"X" Dimension**	Length (LF)	03269 - TRIM & REMOVE TREES & BRUSH - LF *				
Side of Road	Approx. BEGIN Station Milepoint	Approx. END Station Milepoint	Approx. END Milepoint	Case 1 * Tree Trimming without Undergrowth Removal				Case 1B * Tree Trimming with Undergrowth Removal	Case 2 * Tree Trimming and/or Tree Removal without Undergrowth Removal	Case 2B * Tree Trimming and/or Tree Removal with Undergrowth Removal	Case 3B * Undergrowth Removal Only	Remarks *
LT	1040+55	19.707	1041+15	19.719	60	15		60				
RT	1040+75	19.711	1041+25	19.721	50	15		50				
RT	1043+80	19.769	1045+25	19.796	145	15		145				
RT	1047+00	19.830	1052+35	19.931	535	15			535			
LT	1052+50	19.934	1053+20	19.947	70	15		70				
RT	1053+55	19.954	1056+20	20.004	265	15			265			
LT	1054+35	19.969	1055+10	19.983	75	15		75				
RT	1057+60	20.030	1059+20	20.061	160	15			160			
LT	1058+00	20.038	1058+35	20.045	35	15		35				
LT	1059+20	20.061	1059+75	20.071	55	15		55				
RT	1062+80	20.129	1065+40	20.178	260	15				260		
LT	1071+60	20.295	1072+10	20.305	50	15		50				
RT	1074+10	20.343	1078+10	20.419	400	15			400			
LT	1074+30	20.347	1079+90	20.453	560	15		560				
LT	1081+40	20.481	1083+70	20.525	230	15		230				
LT	1085+85	20.565	1087+45	20.596	160	15			160			
LT	1088+90	20.623	1089+40	20.633	50	15			50			
RT	1089+80	20.640	1090+10	20.646	30	15		30				
LT	1092+70	20.695	1093+20	20.705	50	15		50				
LT	1095+10	20.741	1096+40	20.765	130	15		130				
RT	1095+25	20.743	1095+60	20.750	35	15		35				
LT	1097+80	20.792	1098+70	20.809	90	15		90				
LT	1102+20	20.875	1121+60	21.242	1940	15		1940				
RT	1102+35	20.878	1110+75	21.037	840	15			840			
RT	1116+95	21.154	1118+45	21.183	150	15			150			
RT	1122+75	21.264	1124+50	21.297	175	15			175			
LT	1122+75	21.264	1124+50	21.297	175	15			175			
LT	1127+20	21.348	1129+10	21.384	190	15		190				
RT	1131+60	21.432	1133+10	21.460	150	15			150			
LT	1134+75	21.491	1141+50	21.619	675	15		675				
RT	1143+50	21.657	1149+00	21.761	550	15			550			
LT	1144+45	21.675	1149+80	21.777	535	15		535				
RT	1149+00	21.761	1150+25	21.785	125	15			125			
LT	1149+80	21.777	1150+80	21.795	100	15			100			
LT	1151+90	21.816	1152+75	21.832	85	15		85				
RT	1152+80	21.833	1155+40	21.883	260	15			260			
LT	1153+35	21.844	1154+20	21.860	85	15			85			
LT	1155+10	21.877	1156+70	21.907	160	15		160				
LT	1161+40	21.996	1162+40	22.015	100	15			100			
RT	1162+55	22.018	1163+20	22.030	65	15		65				

Notes:	* The intent of the Remarks column is to provide the contractor with the an approximate level of effort for each location. Refer to the Staking Note and Special Note for Tree Stump and Brush Removal for further details about expected level of effort, particularly Part B of the Construction Methods which describes when complete removal of trees are required.												
	** Approximate Horizontal Offset Dimension for Tree Clearing. Actual Dimension shall be determined in the field by the Engineer at the time of construction. Refer to the Staking Note.												
	03269 - TRIM & REMOVE TREES & BRUSH - LF *												
Side of Road	LOCATION				2460 REMOVE TREES OR STUMPS (EACH)	"X" Dimension**	Length (LF)	Case 1 *	Case 1B *	Case 2 *	Case 2B *	Case 3B *	Remarks *
	Approx. BEGIN Station	Approx. BEGIN Milepoint	Approx. END Station	Approx. END Milepoint				Tree Trimming without Undergrowth Removal	Tree Trimming with Undergrowth Removal	Tree Trimming and/or Tree Removal without Undergrowth Removal	Tree Trimming and/or Tree Removal with Undergrowth Removal	Undergrowth Removal Only	
RT	1165+25	22.069	1166+25	22.088		15	100						
LT	1165+85	22.080	1170+25	22.164		15	440						

Total Estimated Quantity of 3269 TRIM & REMOVE TREES & BRUSH	25,890	LF
Total Estimated Quantity of 2460 REMOVE TREES OR STUMPS	48	EACH

COUNTY OF	ITEM NO.
MCCRACKEN MARSHALL	1-9019

ROADSIDE REGRADING DETAIL

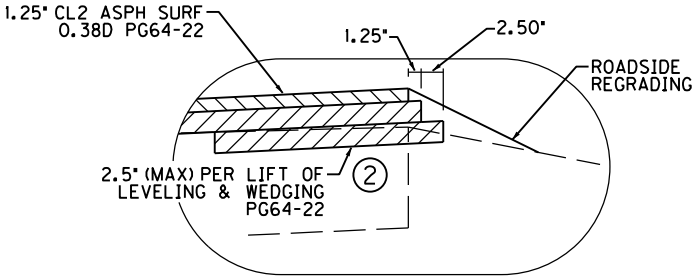
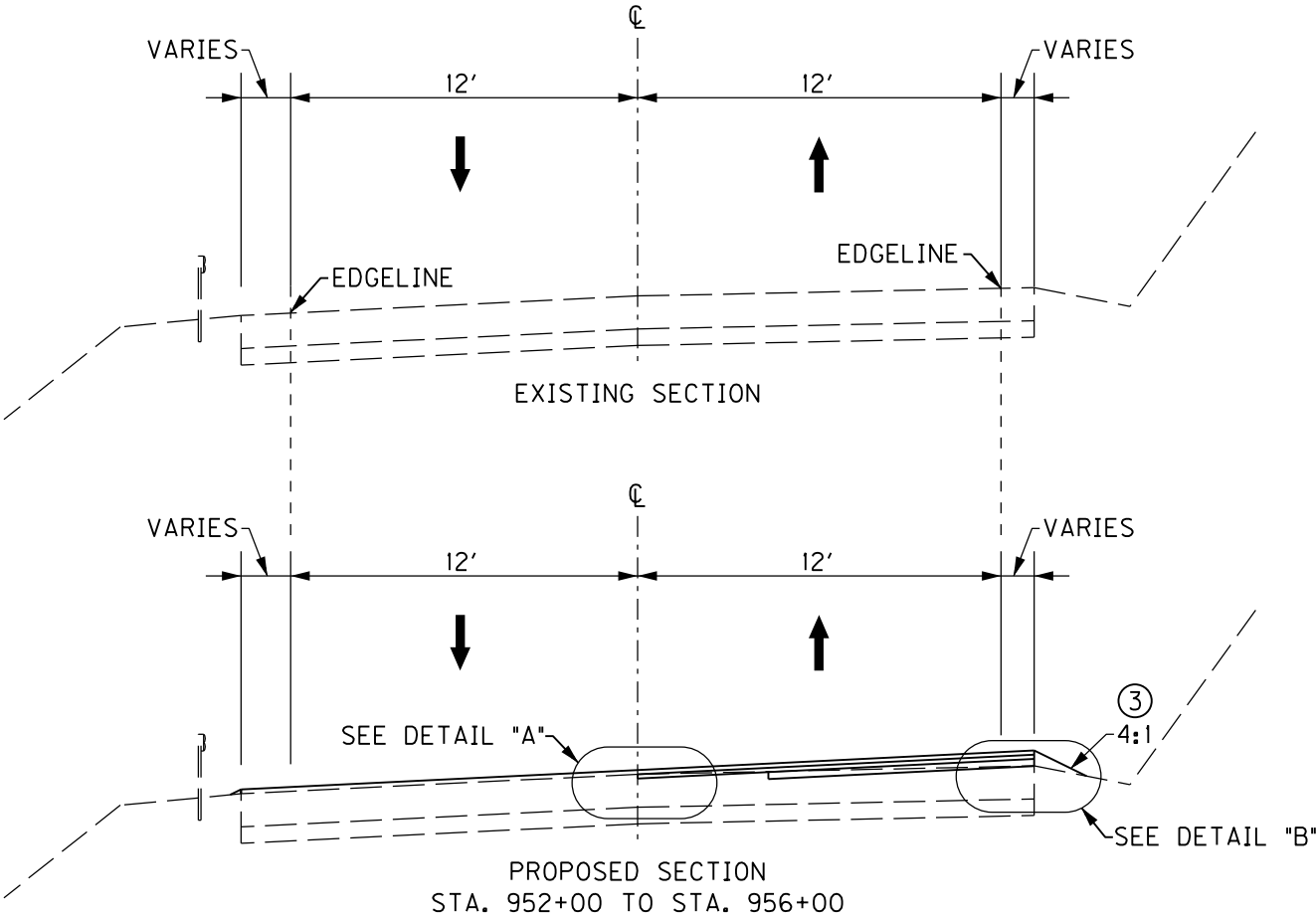


NOTES:

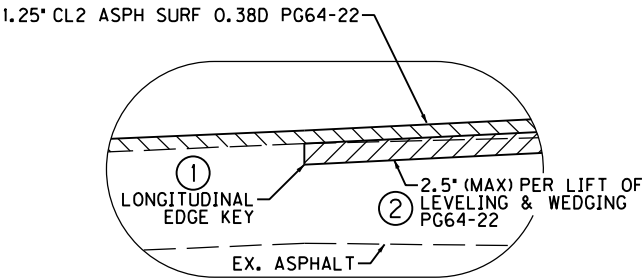
- ① SEE ROADSIDE REGRADING AND EMBANKMENT BENCHING DETAILS FOR ADDITIONAL INFORMATION.

COUNTY OF	ITEM NO.
MARSHALL	1-9019

SUPERELEVATION IMPROVEMENT DETAIL



DETAIL "B"

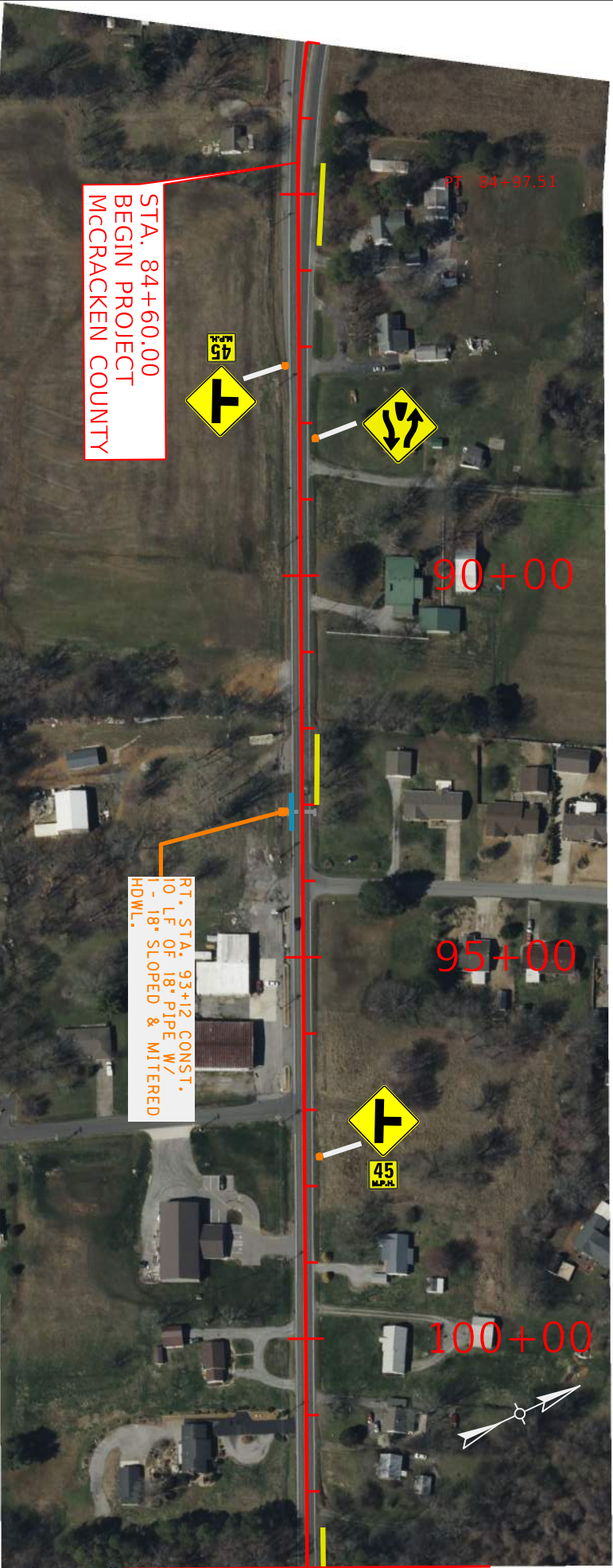


DETAIL "A"

NOTES:

- ① SUPERELEVATION IMPROVEMENT WILL INVOLVE A LONGITUDINAL EDGE KEY FOR EACH LIFT OF LEVELING & WEDGING REQUIRED. LONGITUDINAL EDGE KEY IS TO BE PAID AS ASPHALT MILLING & TEXTURING.
- ② LEVELING & WEDGING MIX DESIGN WILL BE BASED ON THE LIFT THICKNESS BEING PLACED FOR EACH CURVE. NUMBER AND THICKNESS OF LIFTS SHOWN IN THESE DETAILS ARE GRAPHICAL REPRESENTATIONS ONLY AND ARE NOT MEANT TO BE TAKEN AS AN INDICATION OF ACTUAL FIELD CONDITIONS.
- ③ SLOPE MAY VARY IF DIRECTED BY THE ENGINEER.

US 68
SUPERELEVATION IMPROVEMENT
DETAIL



TREE TRIMMING (T.)
STA. 84+60 TO STA. 85+70
STA. 92+10 TO STA. 93+00
STA. 102+50 TO STA. 103+00

ROADSIDE REGRADING (R.)
STA. 92+87 TO STA. 93+37

LEGEND
— SUPERELEVATION IMPROVEMENT
— ROADSIDE REGRADING
— TREE TRIMMING
— TREE REMOVAL
— DRAINAGE IMPROVEMENTS
— GUARDRAIL
— ACCESS MANAGEMENT



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

STA. 83+00.00 TO STA. 103+00.00



ITEM NO.	COUNTY OF
1-9019	MCCRACKEN
SHEET NO.	
Plan Sheet-1	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

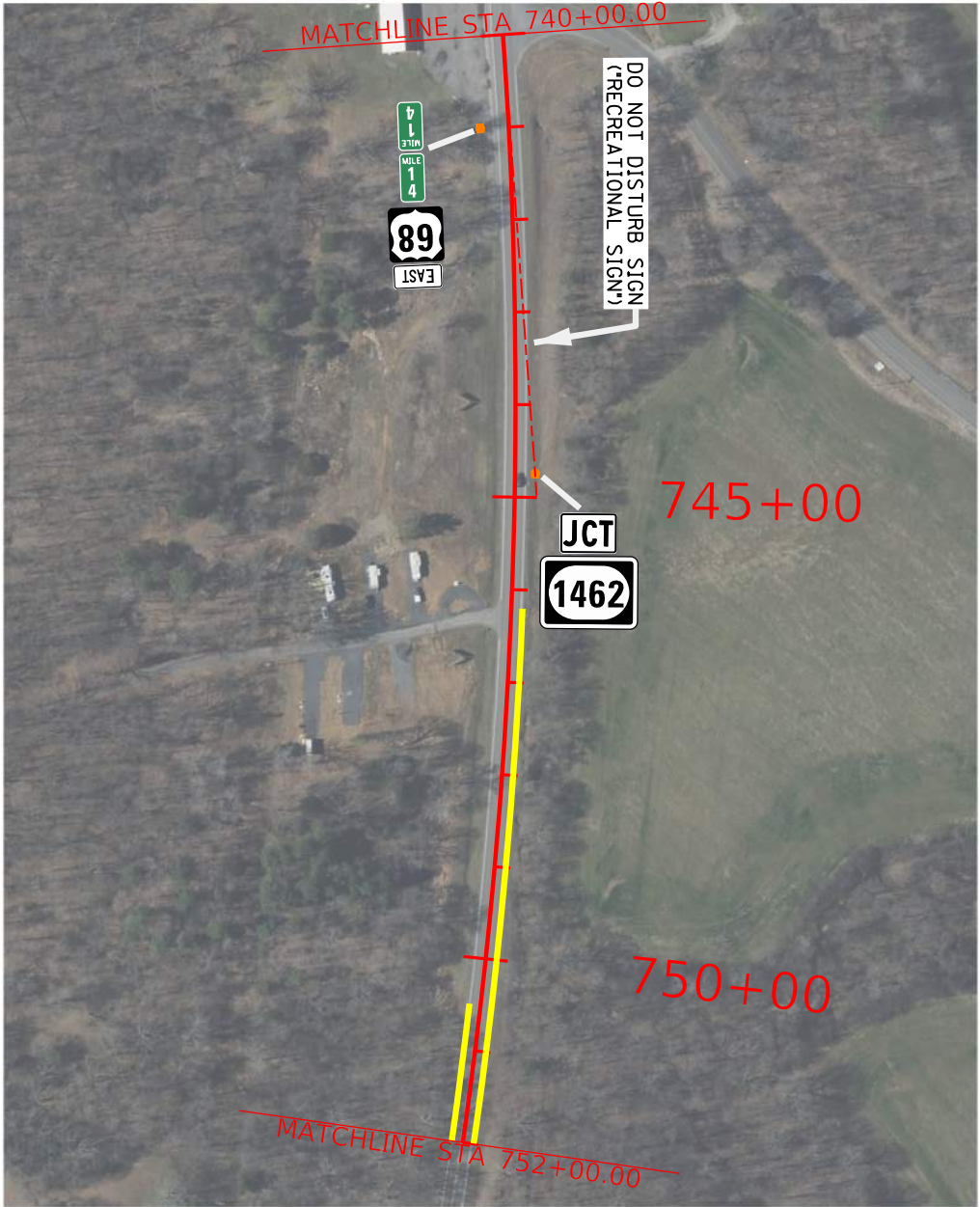


DRAWING TITLE: US 68
STA 740+00 TO 752+00

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)
STA. 750+50 TO STA. 752+00

TREE TRIMMING (LT.)
STA. 746+20 TO STA. 752+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-38	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: dsbl

DRAWING TITLE: US 68
STA 752+00 TO 770+00



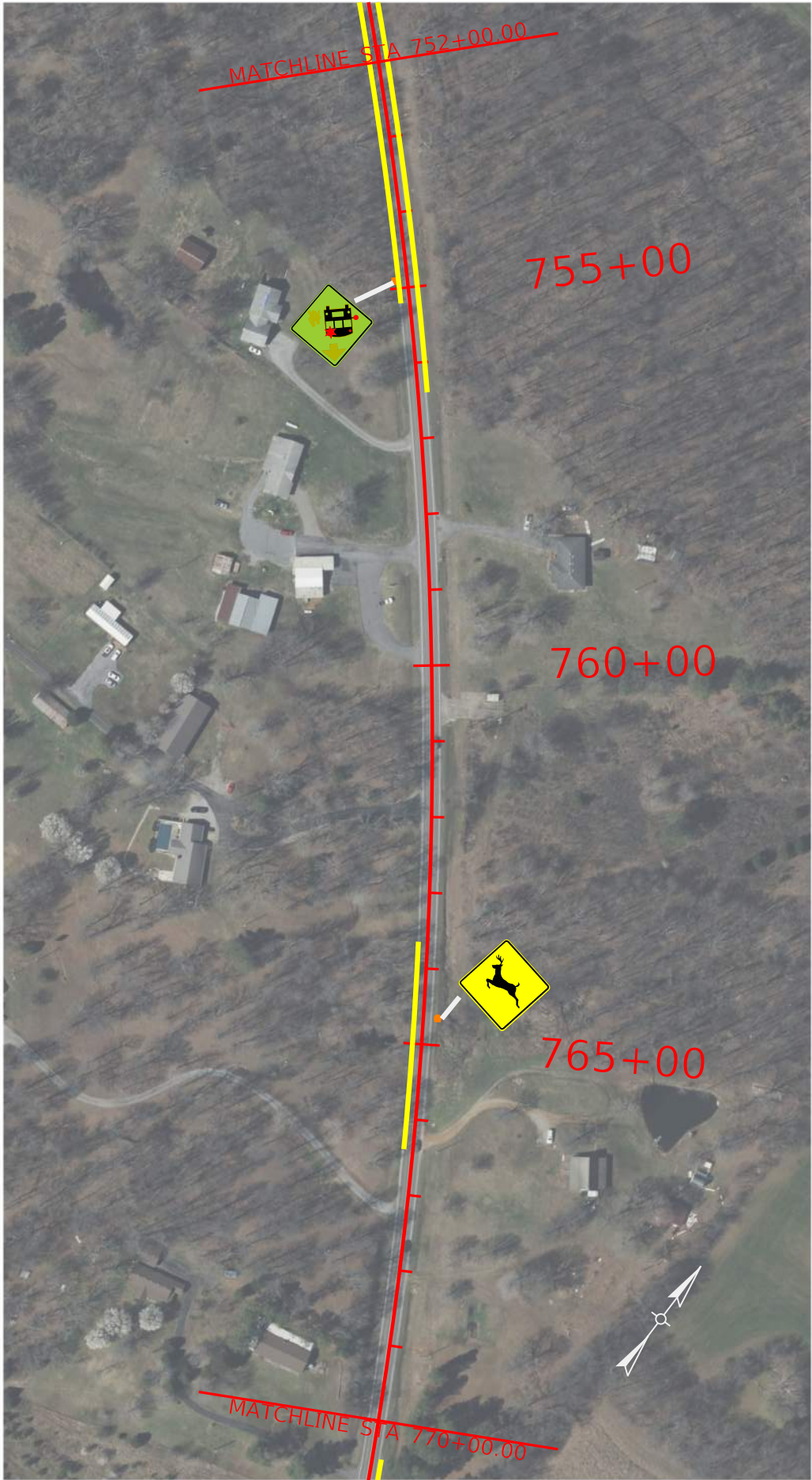
ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-39	

LEGEND

- SUPERELEVATION IMPROVEMENT
- ROADSIDE REGRAVING
- TREE TRIMMING
- TREE REMOVAL
- DRAINAGE IMPROVEMENTS
- GUARDRAIL
- ACCESS MANAGEMENT

TREE TRIMMING (RT.)
STA. 752+00 TO STA. 755+20
STA. 763+65 TO STA. 766+40

TREE TRIMMING (LT.)
STA. 752+00 TO STA. 756+40



MATCHLINE STA 752+00.00

755+00

760+00

765+00

MATCHLINE STA 770+00.00



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA 770+00 TO 788+00

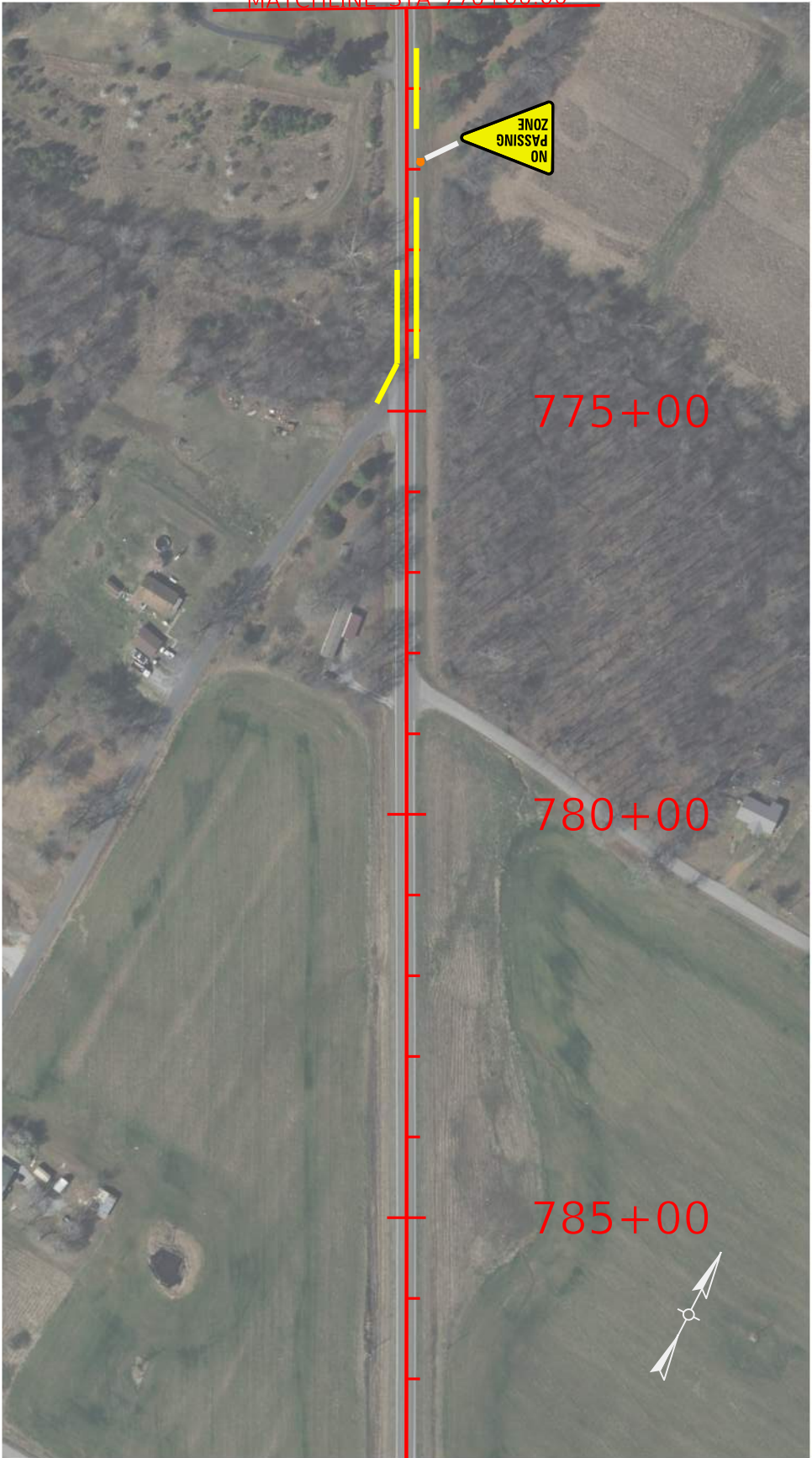


ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-40	

LEGEND	
	SURFELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)
STA. 773+25 TO STA. 774+90

TREE TRIMMING (LT.)
STA. 770+50 TO STA. 771+50
STA. 772+35 TO STA. 774+35





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA 788+00 TO 806+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet 41	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAIDING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)
STA. 801+75 TO STA. 802+25





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA 806+00 TO 824+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet 42	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



TREE TRIMMING (LT.)
STA. 819+80 TO STA. 824+00



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA 824+00 TO 842+00

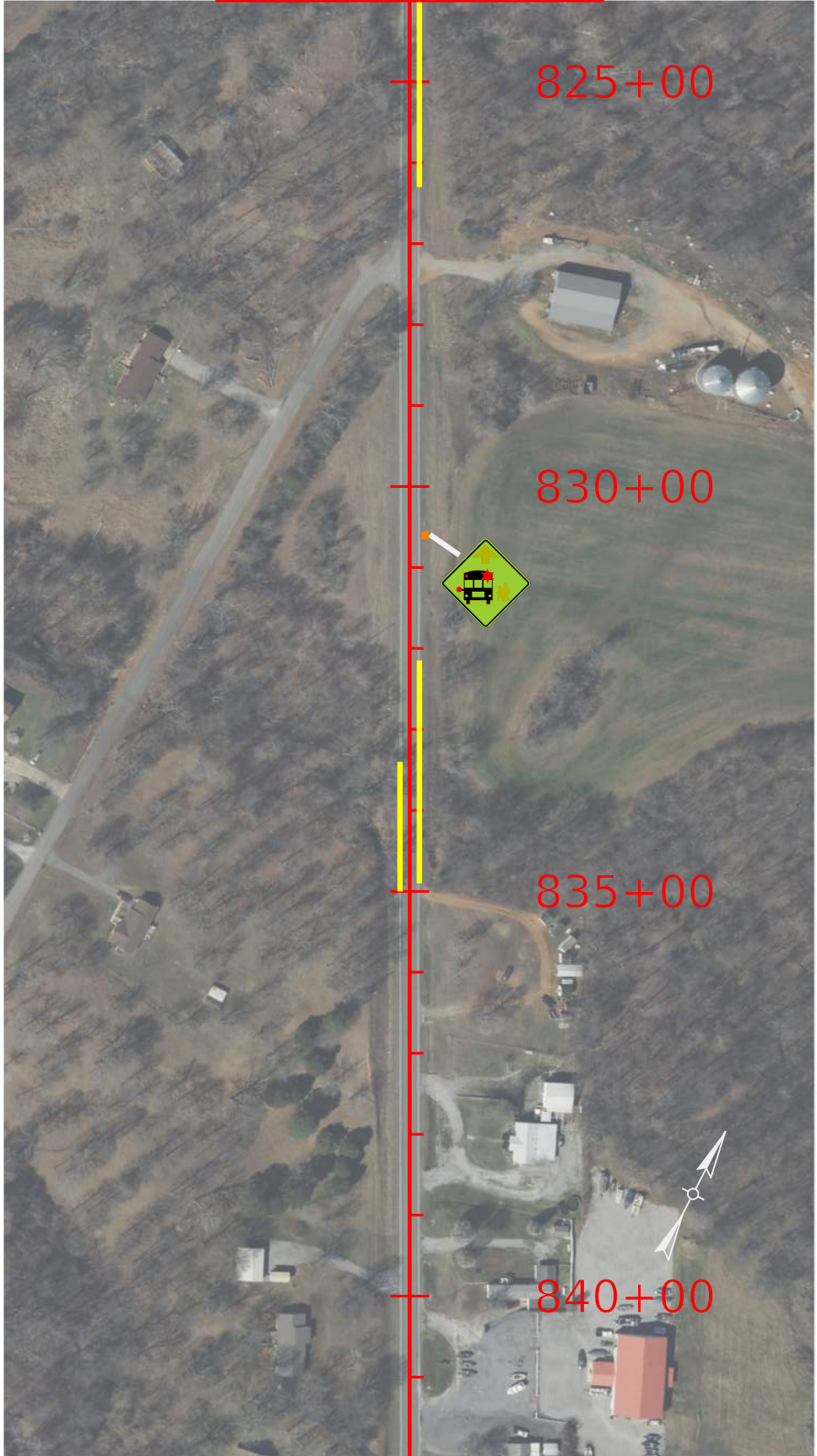


ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet 43	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)
STA. 833+40 TO STA. 835+00

TREE TRIMMING (LT.)
STA. 824+00 TO STA. 826+30
STA. 832+15 TO STA. 834+90



LEGEND

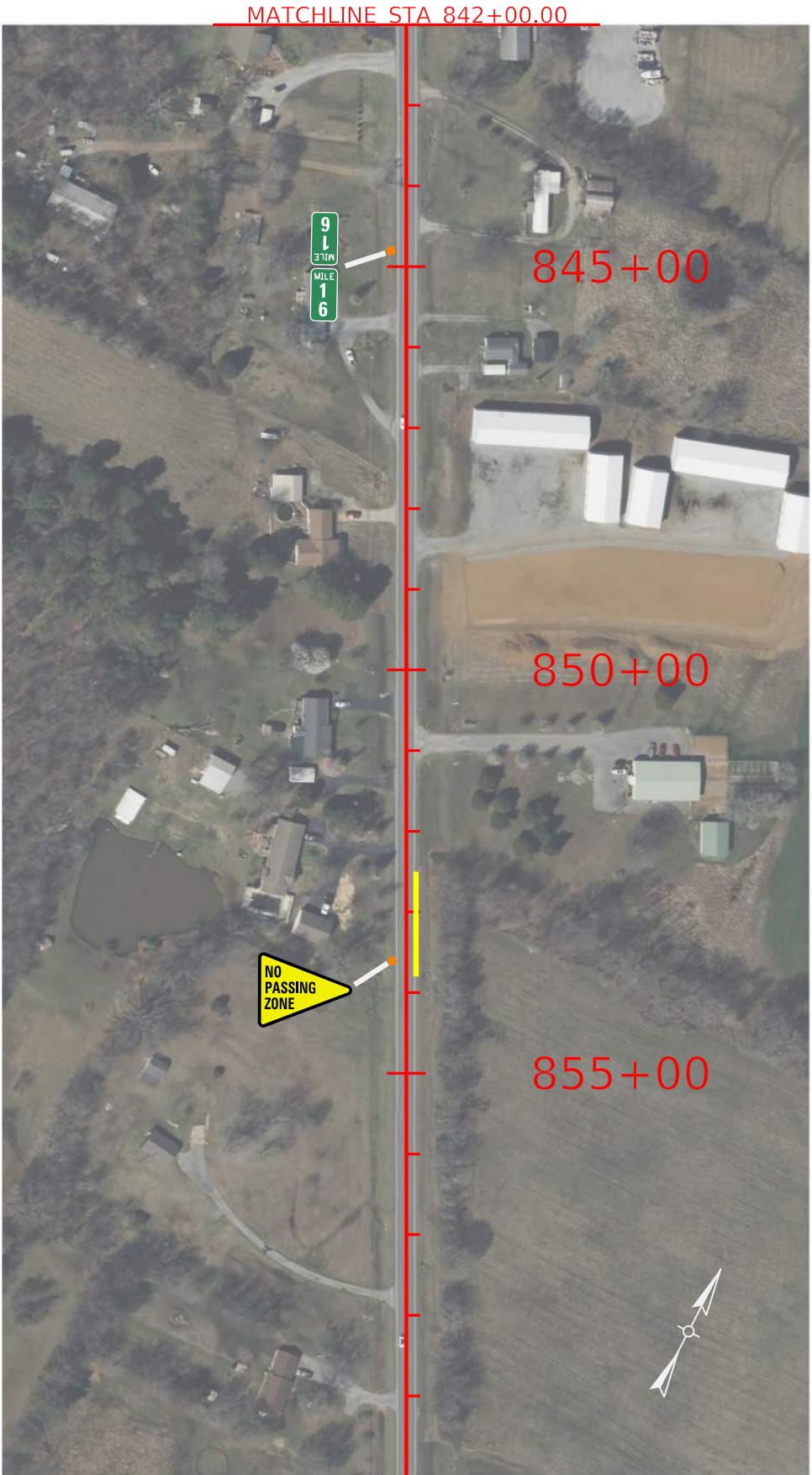
- SUPERELEVATION IMPROVEMENT
- ROADSIDE REGRADING
- TREE TRIMMING
- TREE REMOVAL
- DRAINAGE IMPROVEMENTS
- GUARDRAIL
- ACCESS MANAGEMENT

DRAWING TITLE: US 68
STA 842+00 TO 860+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-44	

TREE TRIMMING (L.T.)
STA. 852+50 TO STA. 853+80





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA 860+00 TO 878+00

LEGEND

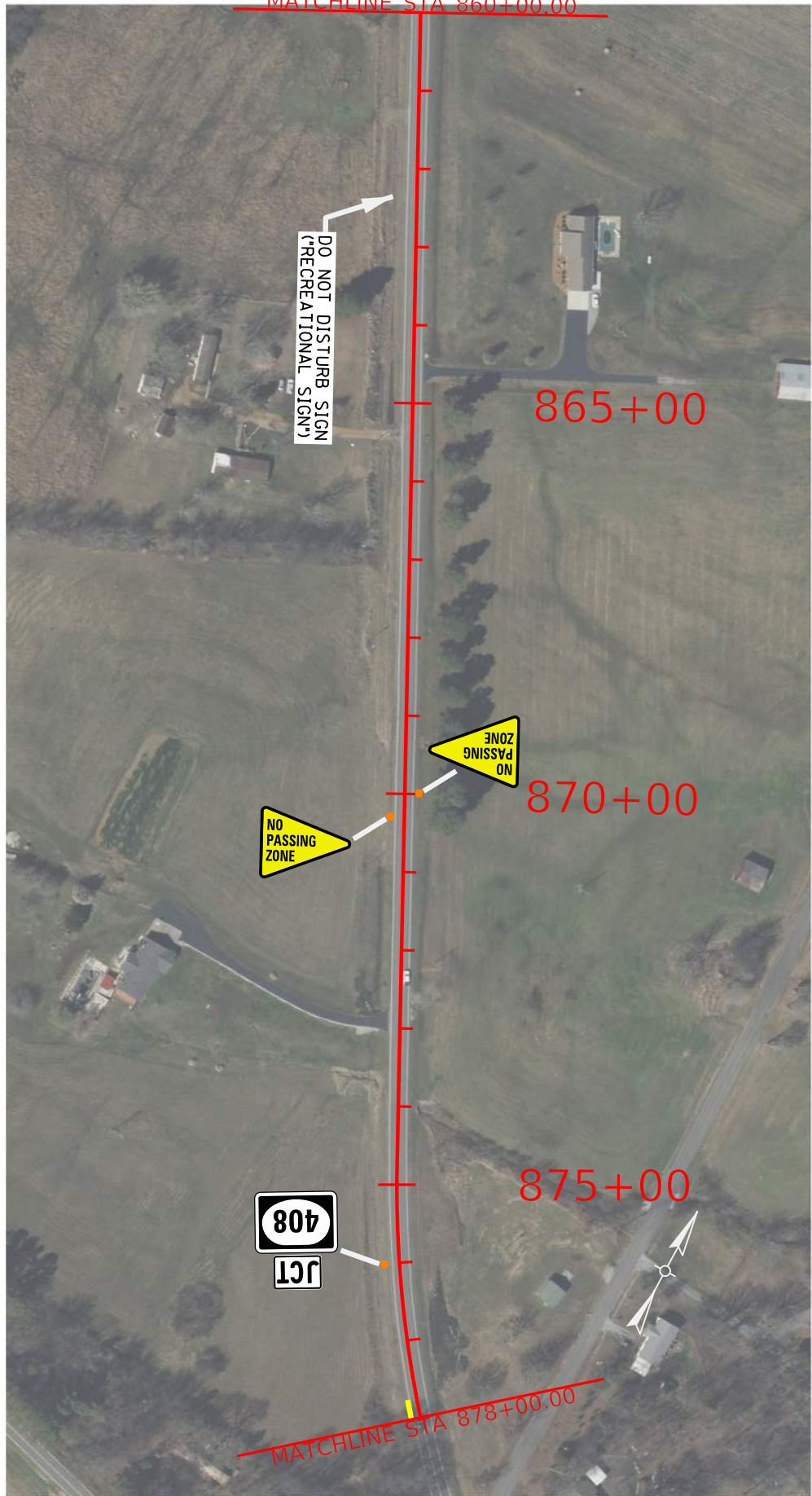
- SUPERELEVATION IMPROVEMENT
- ROADSIDE REGRADING
- TREE TRIMMING
- TREE REMOVAL
- DRAINAGE IMPROVEMENTS
- GUARDRAIL
- ACCESS MANAGEMENT

TREE TRIMMING (RT.)

STA. 877+75 TO STA. 878+00



ITEM NO. 1-9019
SHEET NO. Plan Sheet 45
COUNTY OF MARSHALL





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: dstit

DRAWING TITLE: US 68
STA 878+00 TO 896+00

TREE TRIMMING (RT.)
STA. 878+00 TO STA. 879+00
STA. 880+35 TO STA. 880+75
STA. 881+70 TO STA. 882+20

LEGEND

- SUPERELEVATION IMPROVEMENT
- ROADSIDE REGRAIDING
- TREE TRIMMING
- TREE REMOVAL
- DRAINAGE IMPROVEMENTS
- GUARDRAIL
- ACCESS MANAGEMENT

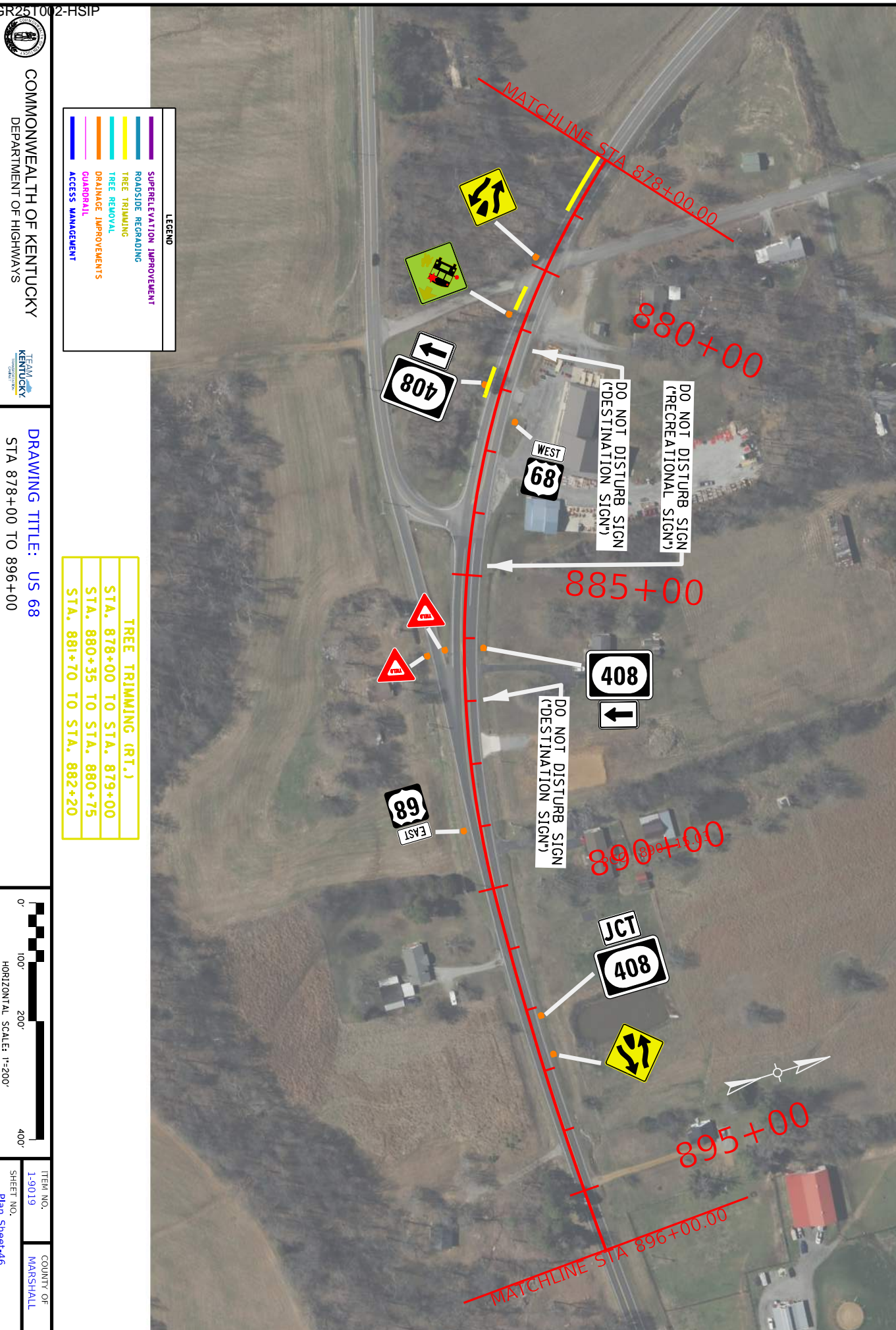


HORIZONTAL SCALE: 1"=200

ITEM NO.	COUNTY OF
1-9019	MARSHALL


SHEET NO.

Plan Sheet-46





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



TEAM
KENTUCKY

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

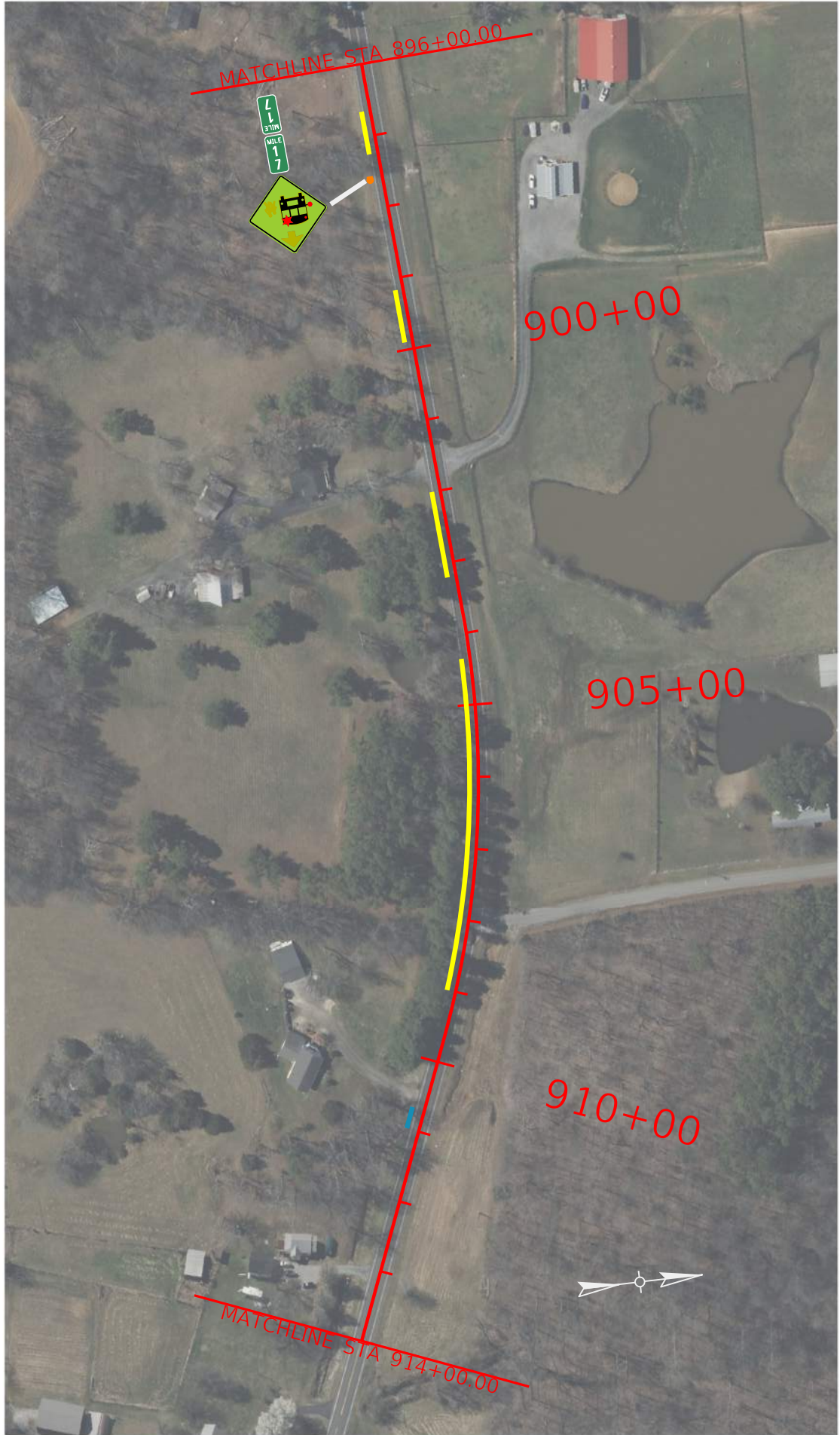
TREE TRIMMING (RT.)
STA. 896+65 TO STA. 897+25
STA. 899+25 TO STA. 899+85
STA. 902+00 TO STA. 903+20
STA. 903+85 TO STA. 909+00

ROADSIDE REGRADING (RT.)
STA. 910+70 TO STA. 911+00

DRAWING TITLE: US 68
STA 896+00 TO 914+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet 47	





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA 914+00 TO 932+00



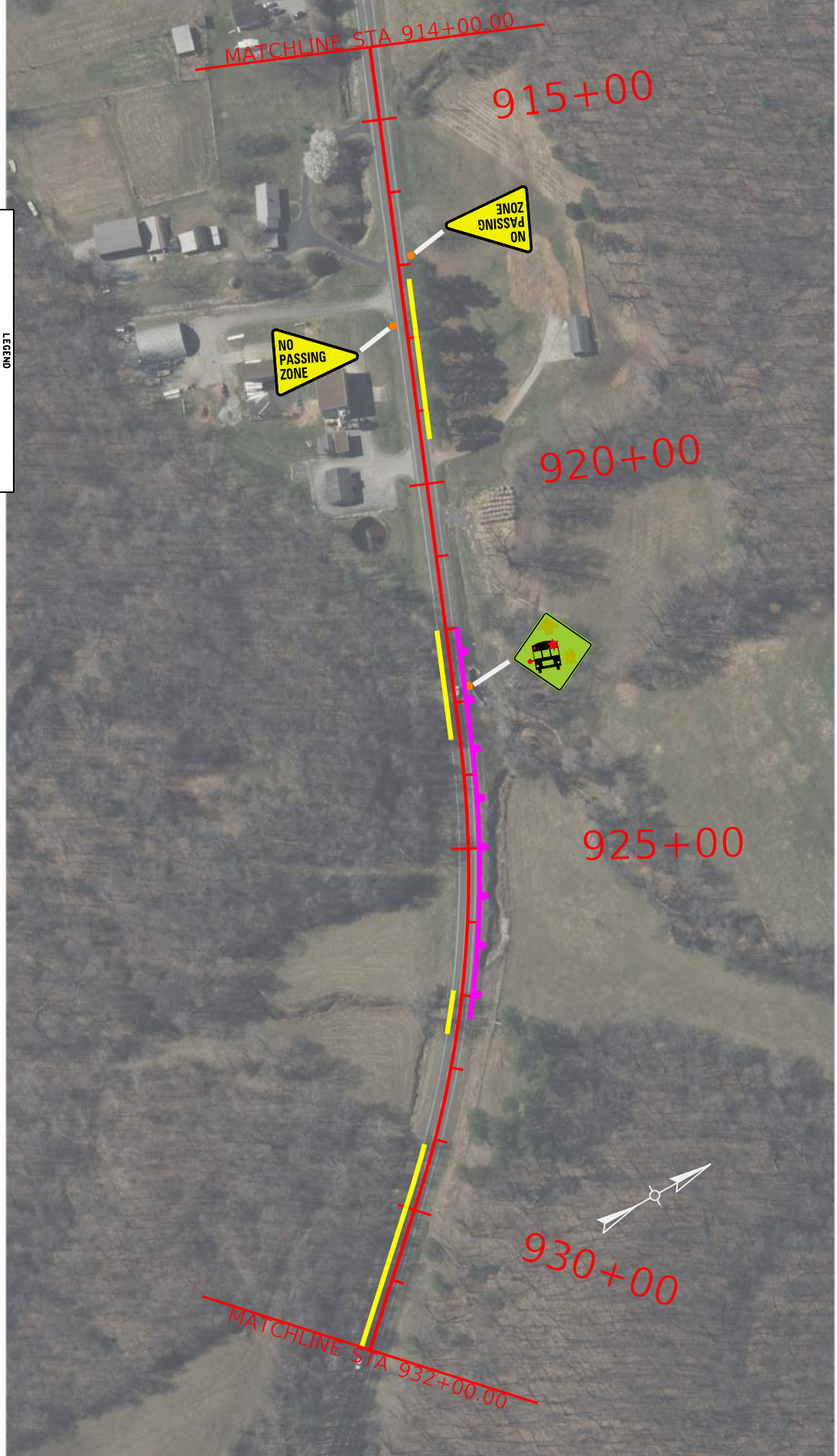
ITEM NO. 1-9019
SHEET NO. 48
COUNTRY OF MARSHALL

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)	
STA. 922+00 TO STA. 923+50	
STA. 927+00 TO STA. 927+55	
STA. 929+10 TO STA. 930+00	
STA. 930+00 TO STA. 932+00	

TREE TRIMMING (LT.)	
STA. 917+20 TO STA. 919+40	

STEEL W-BEAM GUARDRAIL (LT.)						REMOVAL	
BEGIN STA.	TERM. STA.	END TRMNT.	END STA.	TERM. STA.	END TRMNT.	LENGTH	REMOVAL LENGTH
922+00	--	TY 1	927+35	--	TY 1	437.50 LF	0 LF



GR251002-HSIP



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



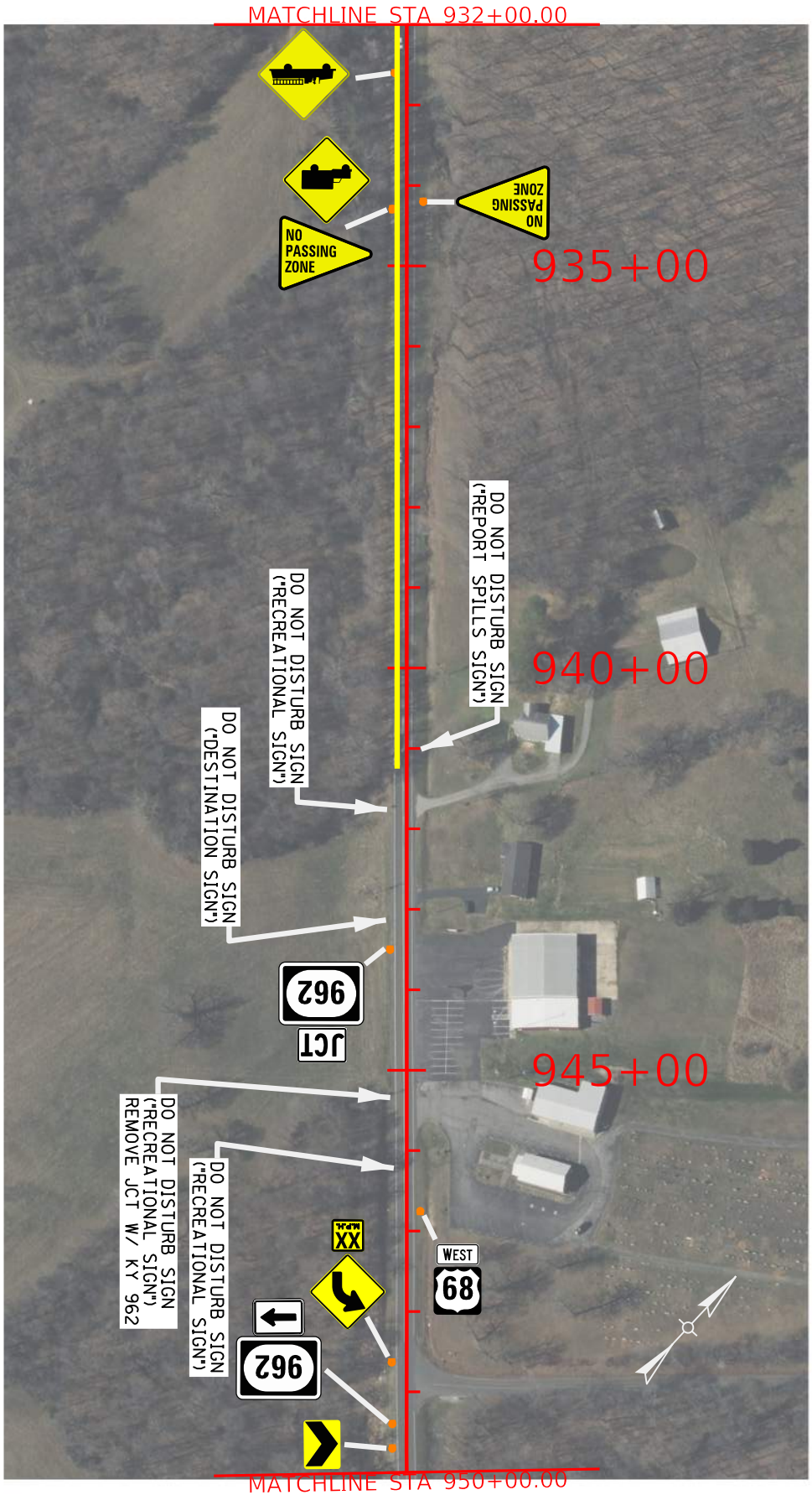
DRAWING TITLE: US 68
STA 932+00 TO 950+00



ITEM NO. 1-9019
SHEET NO. Plan Sheet-49
COUNTY OF MARSHALL

LEGEND	
	SUPRELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)
STA. 932+00 TO STA. 941+25



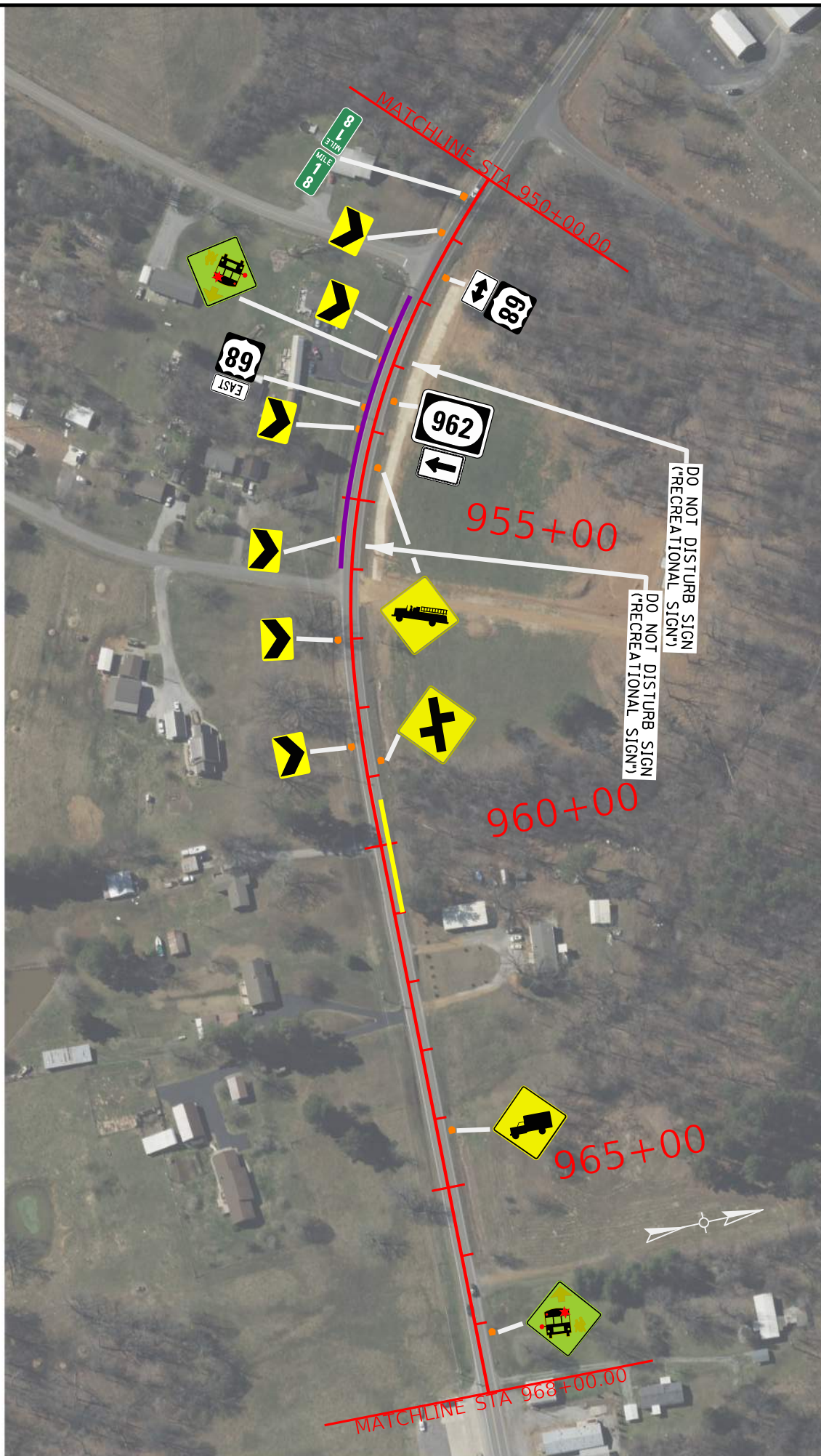


COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA 950+00 TO 968+00

SUPERELEVATION IMPROVEMENTS (RT.)
STA. 952+00 TO STA. 956+00



- SUPERELEVATION IMPROVEMENT
- ROADSIDE REGRAVING
- TREE TRIMMING
- TREE REMOVAL
- DRAINAGE IMPROVEMENTS
- GUARDRAIL
- ACCESS MANAGEMENT

FREE TRIMMING (LT.)
STA. 959+35 TO STA. 961+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-50	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

OpenRoads Designer V10.16.2.267

USER: dsbl

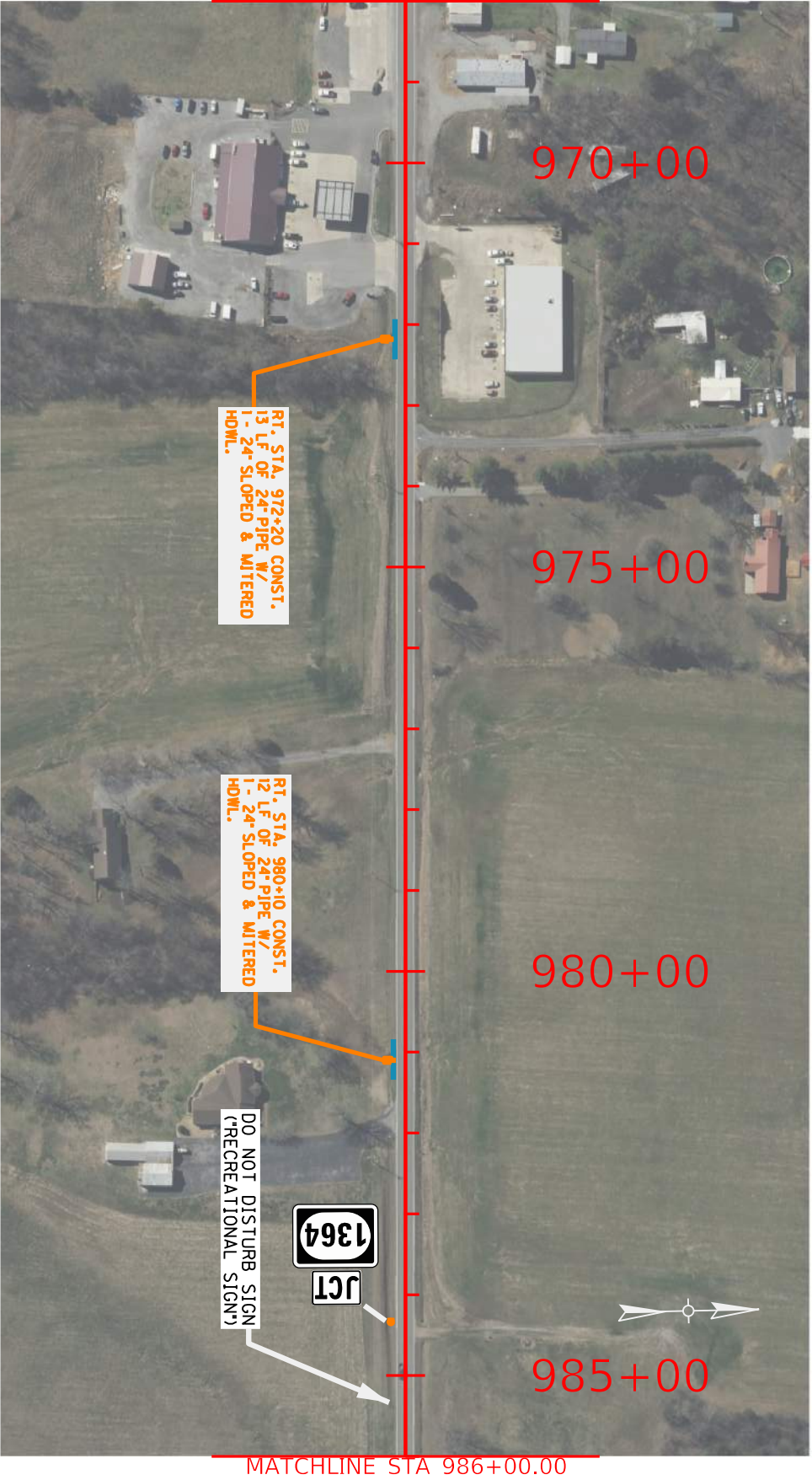
LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

ROADSIDE REGRADING (RT.)	
STA. 971+95 TO STA. 972+45	
STA. 979+85 TO STA. 980+35	

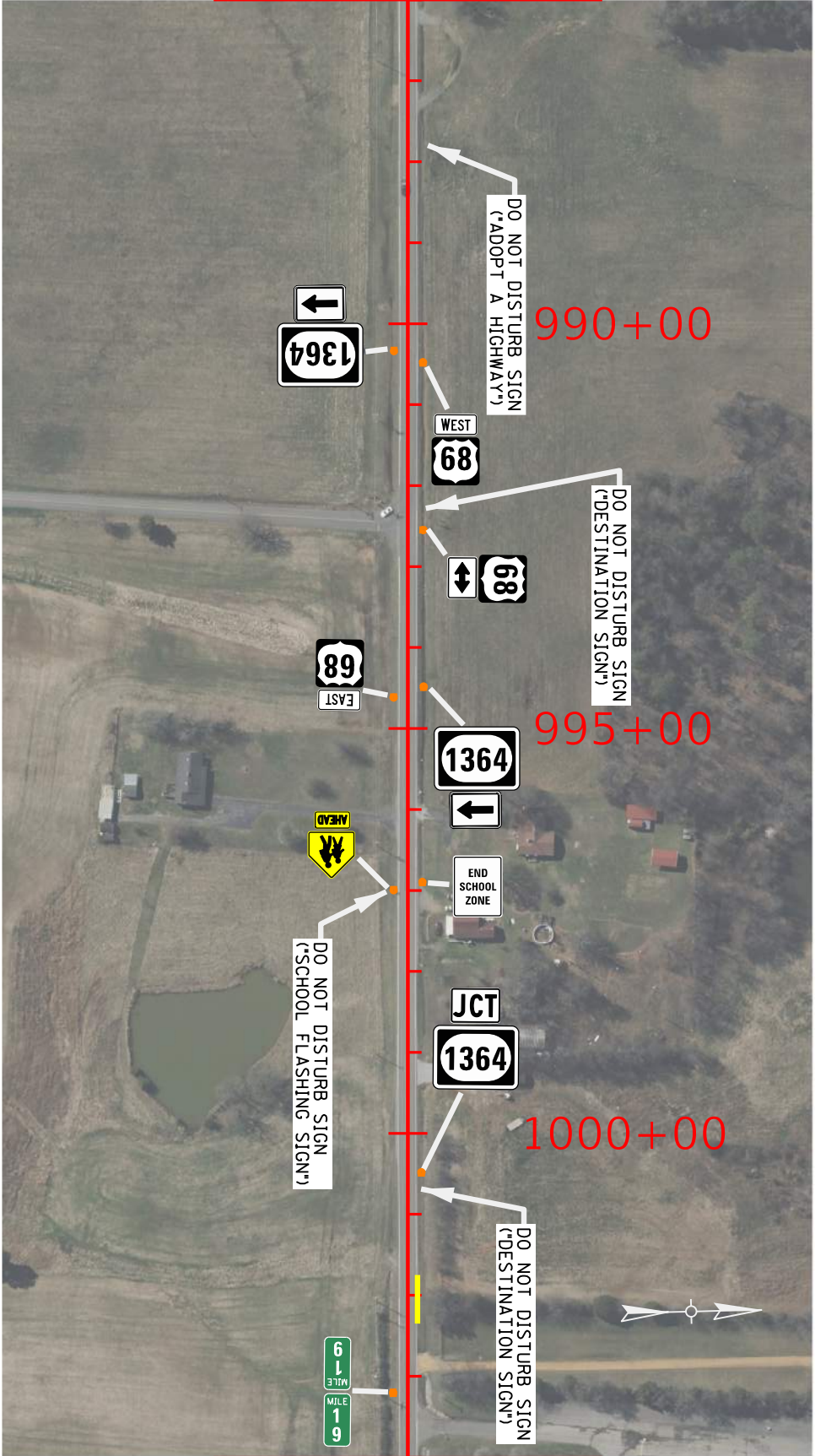
DRAWING TITLE: US 68
STA 968+00 TO 986+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-51	



LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



TREE TRIMMING (T.T.)
STA. 1001+75 TO STA. 1002+35



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-52	

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA 986+00 TO 1004+00

ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-52	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

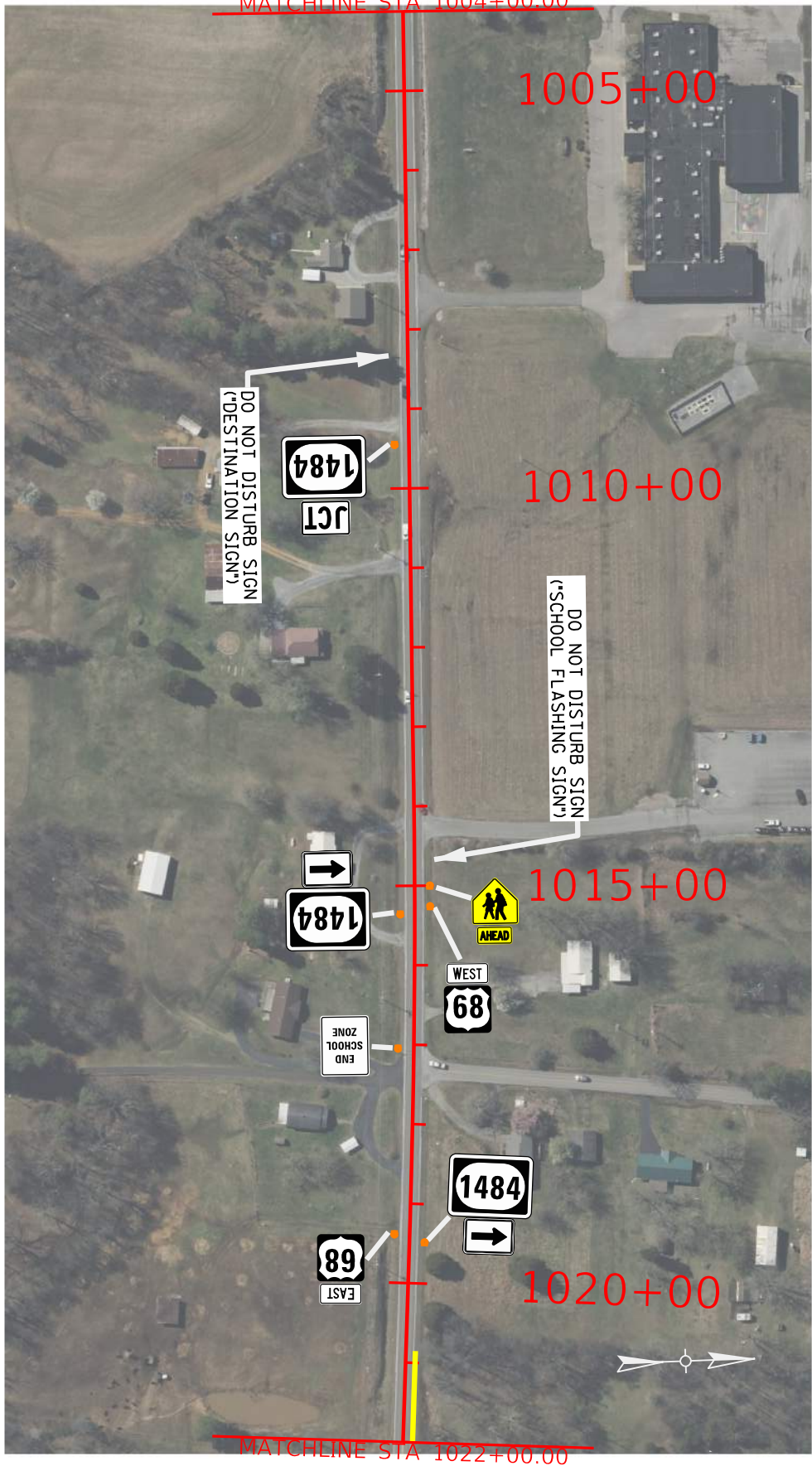


DRAWING TITLE: US 68
STA 1004+00 TO 1022+00



ITEM NO. 1-9019
SHEET NO. Plan Sheet-53
COUNTY OF MARSHALL

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

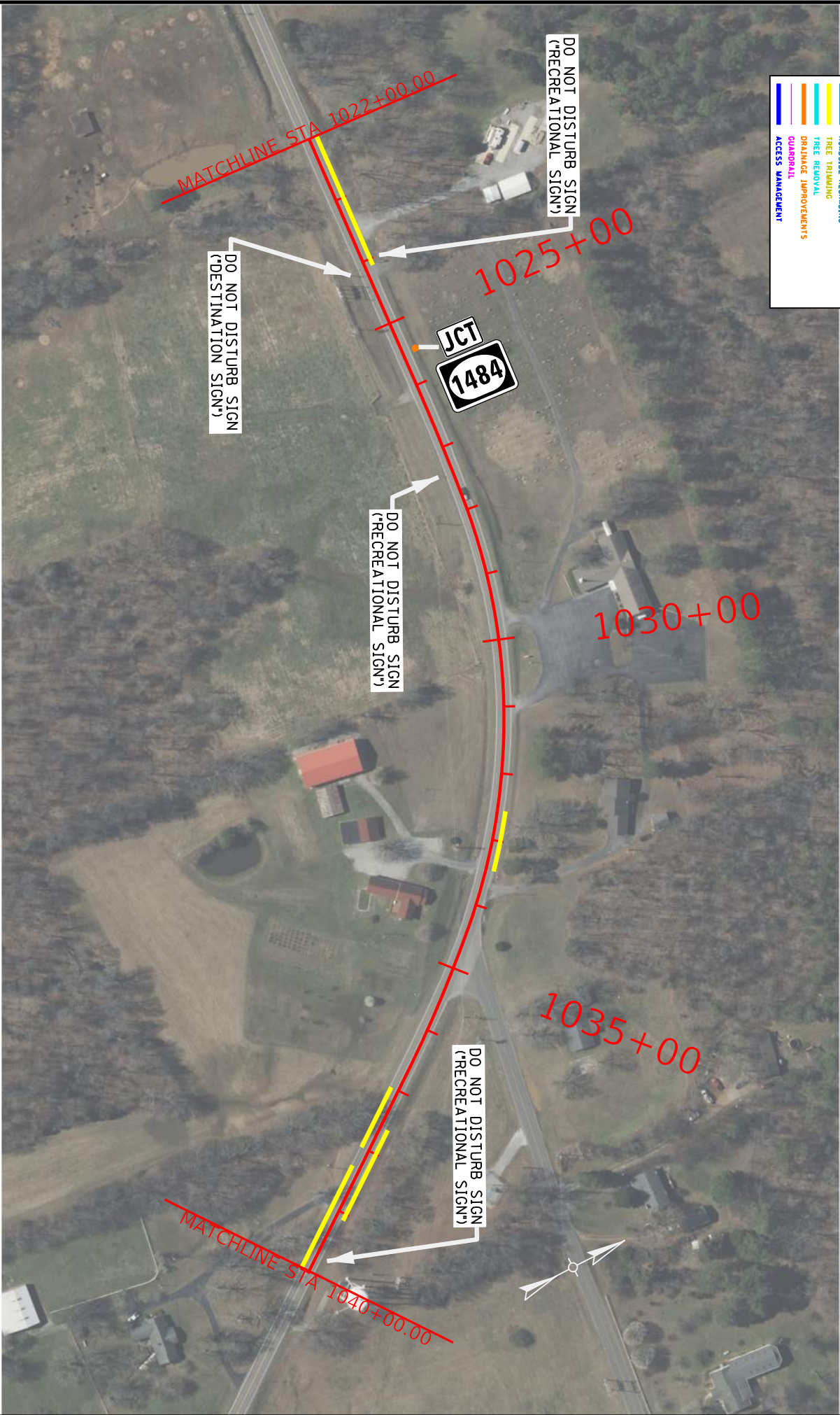


TREE TRIMMING (T.T.)
STA. 1020+85 TO STA. 1022+00

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (T.)
STA. 1022+00 TO STA. 1024+10
STA. 1032+55 TO STA. 1033+45
STA. 1037+60 TO STA. 1039+10

TREE TRIMMING (RT.)
STA. 1037+00 TO STA. 1038+00
STA. 1038+50 TO STA. 1040+00



DRAWING TITLE: US 68
STA 1022+00 TO 1040+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-54	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



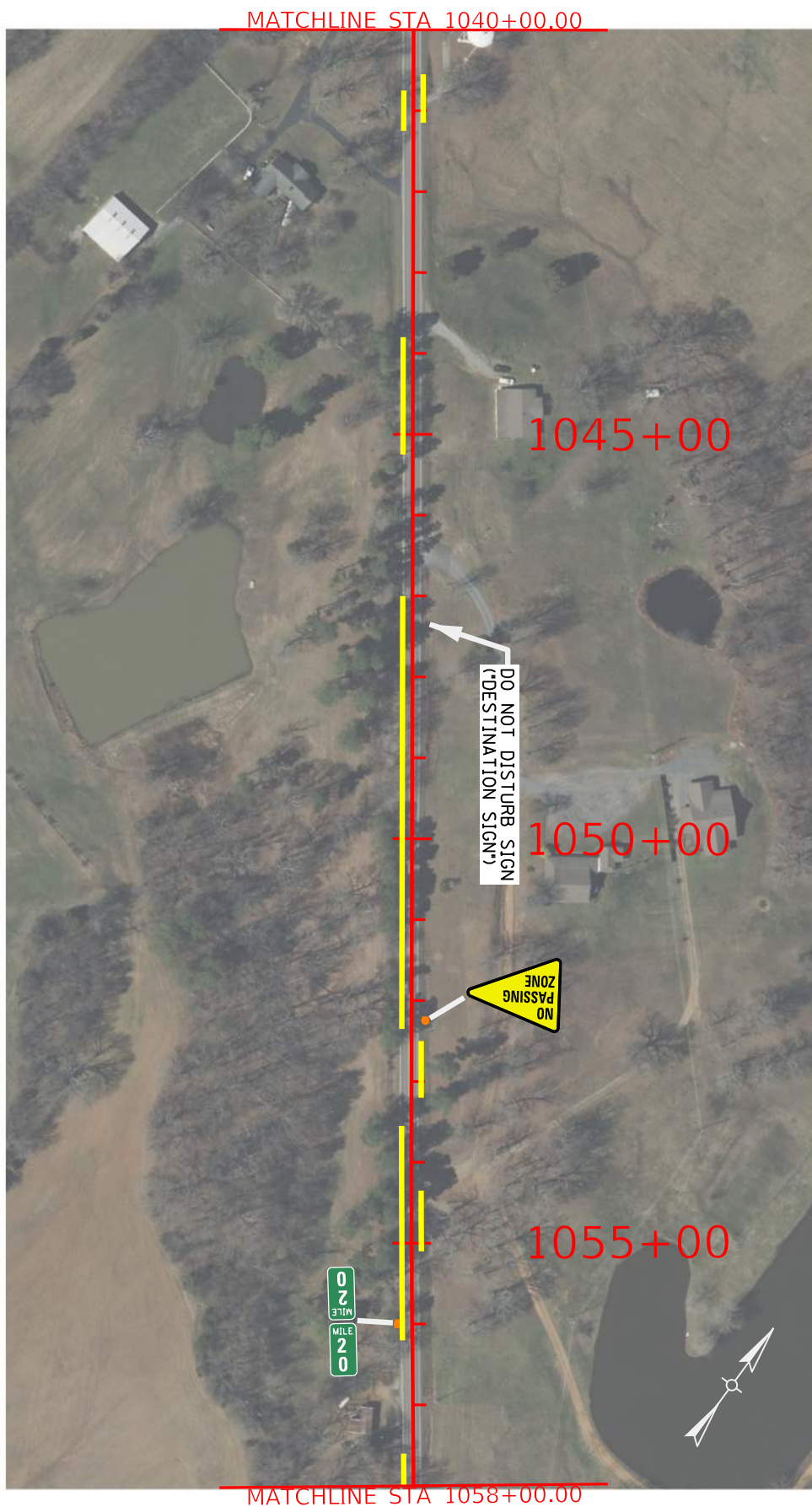
USER: dstit

DRAWING TITLE: US 68
STA 1040+00 TO 1058+00

LEGEND

- SUPERELEVATION IMPROVEMENT
- ROADSIDE REGRAVING
- TREE TRIMMING
- TREE REMOVAL
- DRAINAGE IMPROVEMENTS
- GUARDRAIL
- ACCESS MANAGEMENT

TREE TRIMMING (RT.)



TREE TRIMMING (LT.)

STA. 1040+55 TO STA. 1041+15
STA. 1052+50 TO STA. 1053+20
STA. 1054+35 TO STA. 1055+10



ITEM NO.	COUNTY OF
1-9019	MARSHALL

SHEET NO.

Plan Sheet-55



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA 1058+00 TO 1076+00

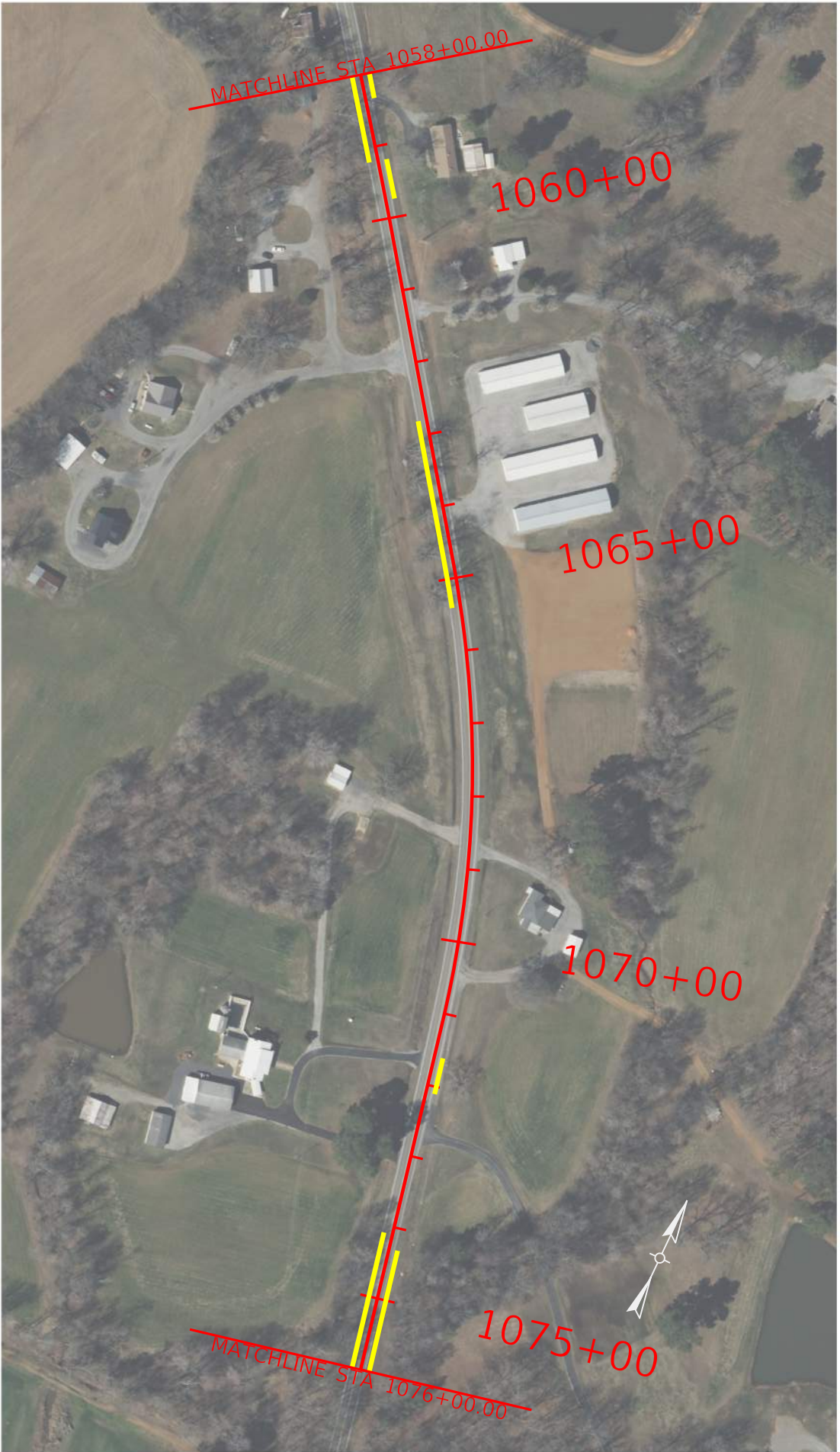
LEGEND

	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRODING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)

STA. 1058+00 TO STA. 1059+20
STA. 1062+80 TO STA. 1065+40
STA. 1074+10 TO STA. 1076+00

TREE TRIMMING (L.T.)
STA. 1058+00 TO STA. 1058+35
STA. 1059+20 TO STA. 1059+75
STA. 1071+60 TO STA. 1072+10
STA. 1074+30 TO STA. 1076+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-56	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



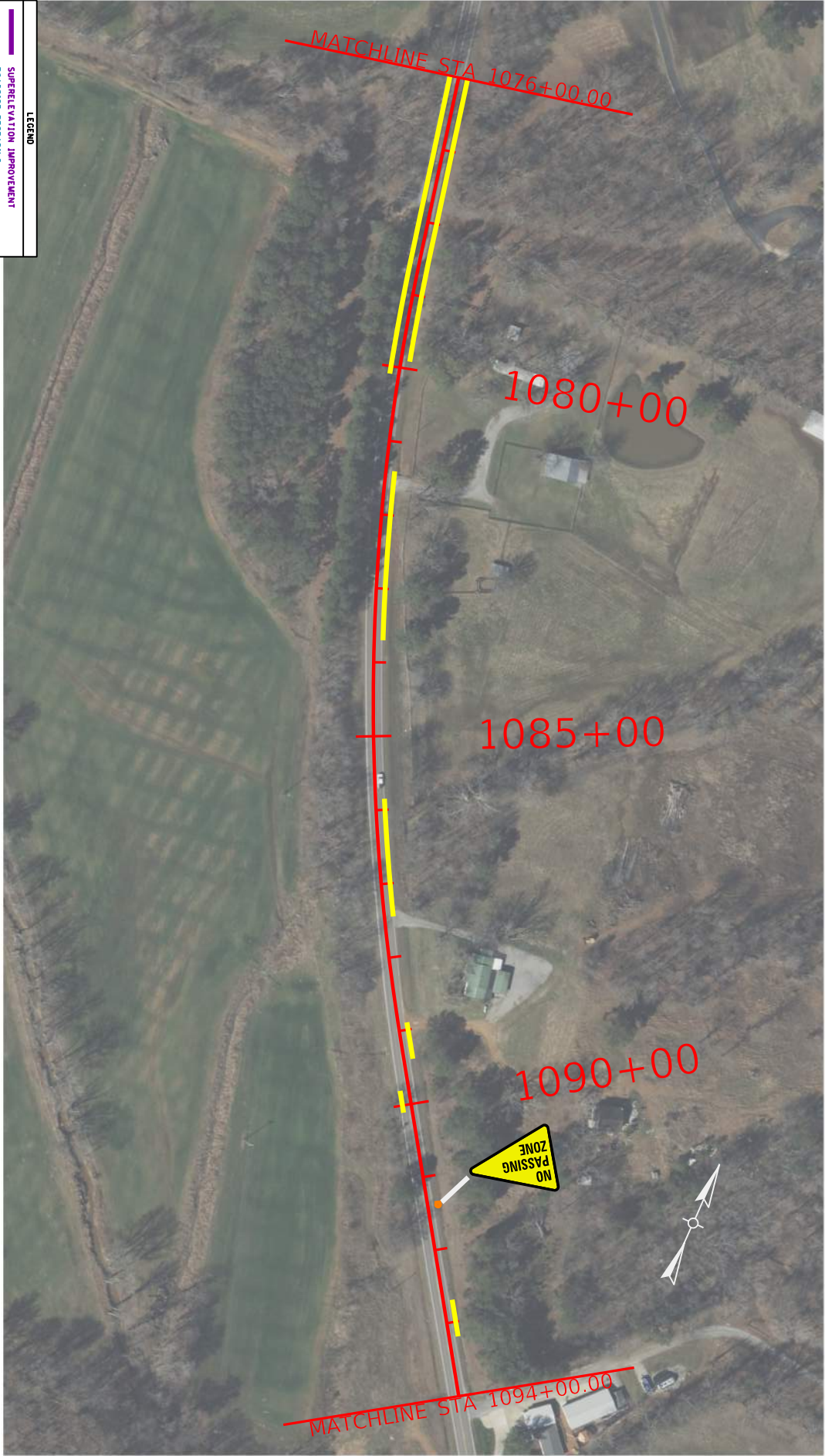
DRAWING TITLE: US 68
STA 1076+00 TO 1094+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-57	

LEGEND	
—	SURFELEVATION IMPROVEMENT
—	ROADSIDE RESURFACING
—	TREE TRIMMING
—	TREE REMOVAL
—	DRAINAGE IMPROVEMENTS
—	CULVERTS
—	ACCESS MANAGEMENT

TREE TRIMMING (RT.)	
STA. 1076+00 TO STA. 1078+10	
STA. 1089+80 TO STA. 1090+10	



TREE TRIMMING (LT.)	
STA. 1076+00 TO STA. 1079+90	
STA. 1081+40 TO STA. 1083+70	
STA. 1085+85 TO STA. 1087+45	
STA. 1088+90 TO STA. 1089+40	
STA. 1092+70 TO STA. 1093+20	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



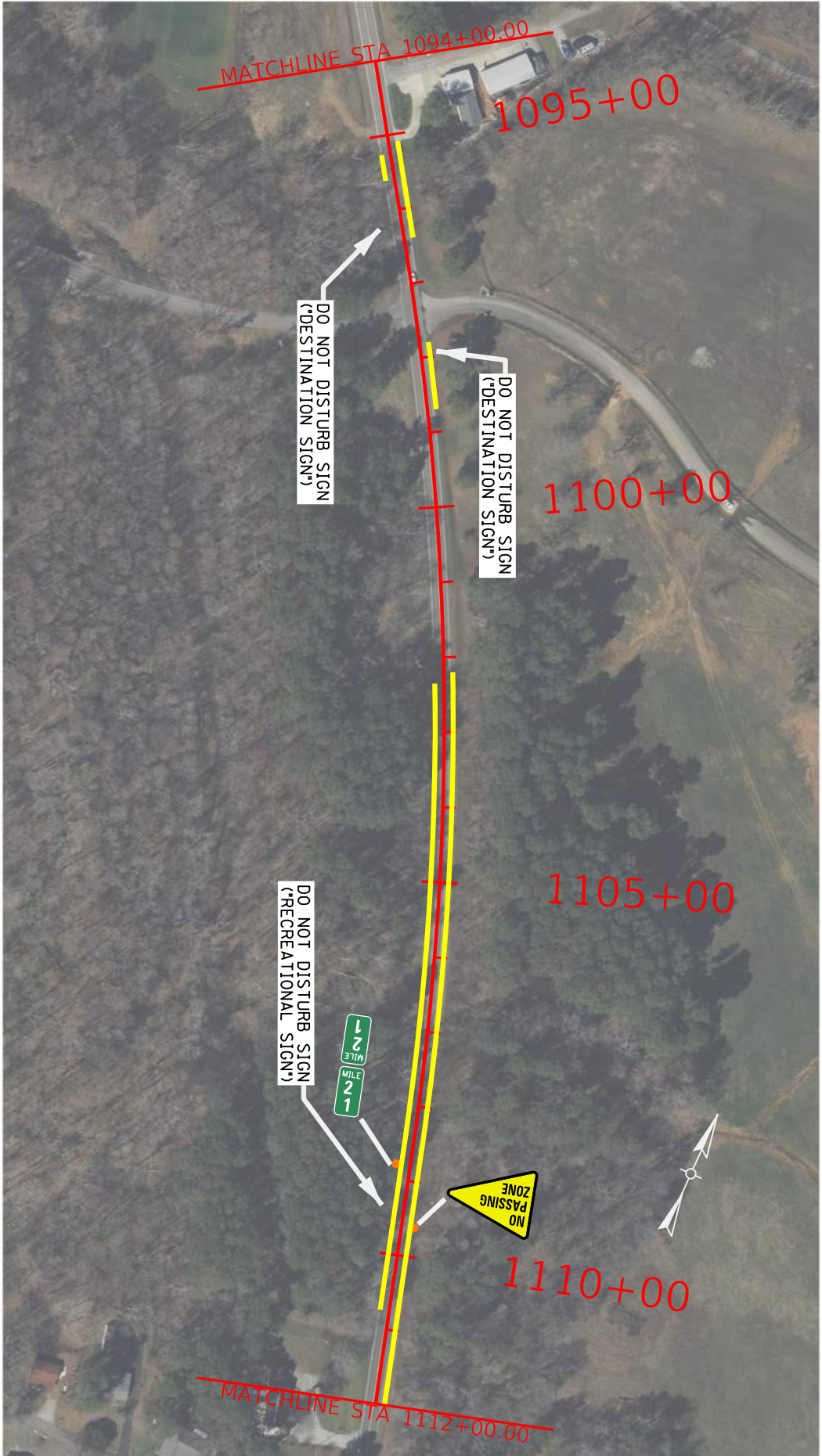
DRAWING TITLE: US 68
STA 1094+00 TO 1112+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-58	

LEGEND	
—	SUPERELEVATION IMPROVEMENT
—	ROADSIDE READING
—	TREE TRIMMING
—	TREE REMOVAL
—	DRAINAGE IMPROVEMENTS
—	GUARDRAIL
—	ACCESS MANAGEMENT

TREE TRIMMING (RT.)	
STA. 1095+25 TO STA. 1095+60	
STA. 1102+35 TO STA. 1110+75	



TREE TRIMMING (LT.)	
STA. 1095+10 TO STA. 1096+40	
STA. 1097+80 TO STA. 1098+70	
STA. 1102+20 TO STA. 1112+00	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

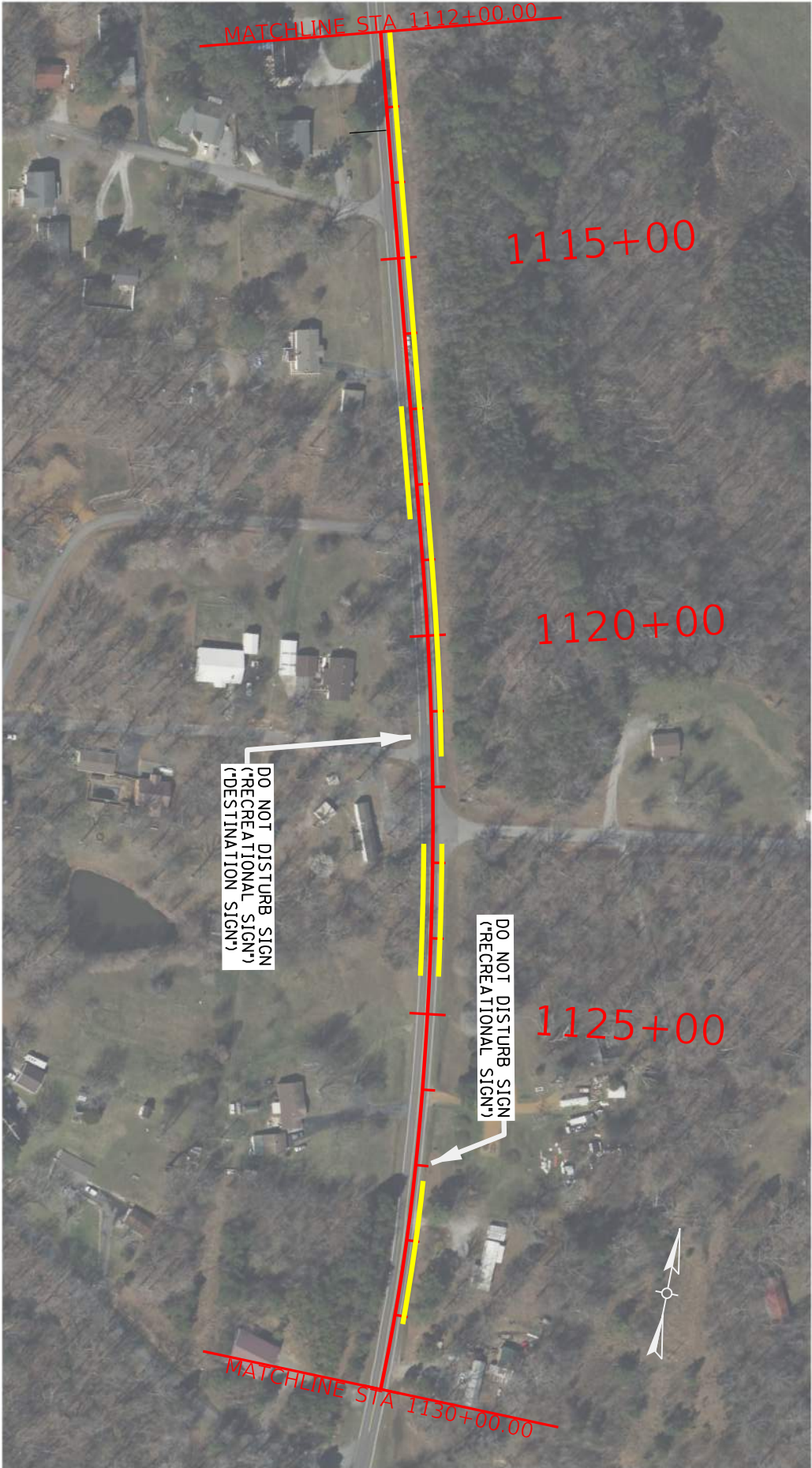


DRAWING TITLE: US 68
STA 1112+00 TO 1130+00

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE RECHADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)	
STA. 1116+95 TO STA. 1118+45	
STA. 1122+75 TO STA. 1124+50	

TREE TRIMMING (LT.)	
STA. 1112+00 TO STA. 1121+60	
STA. 1122+75 TO STA. 1124+50	
STA. 1127+20 TO STA. 1129+10	



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-59	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



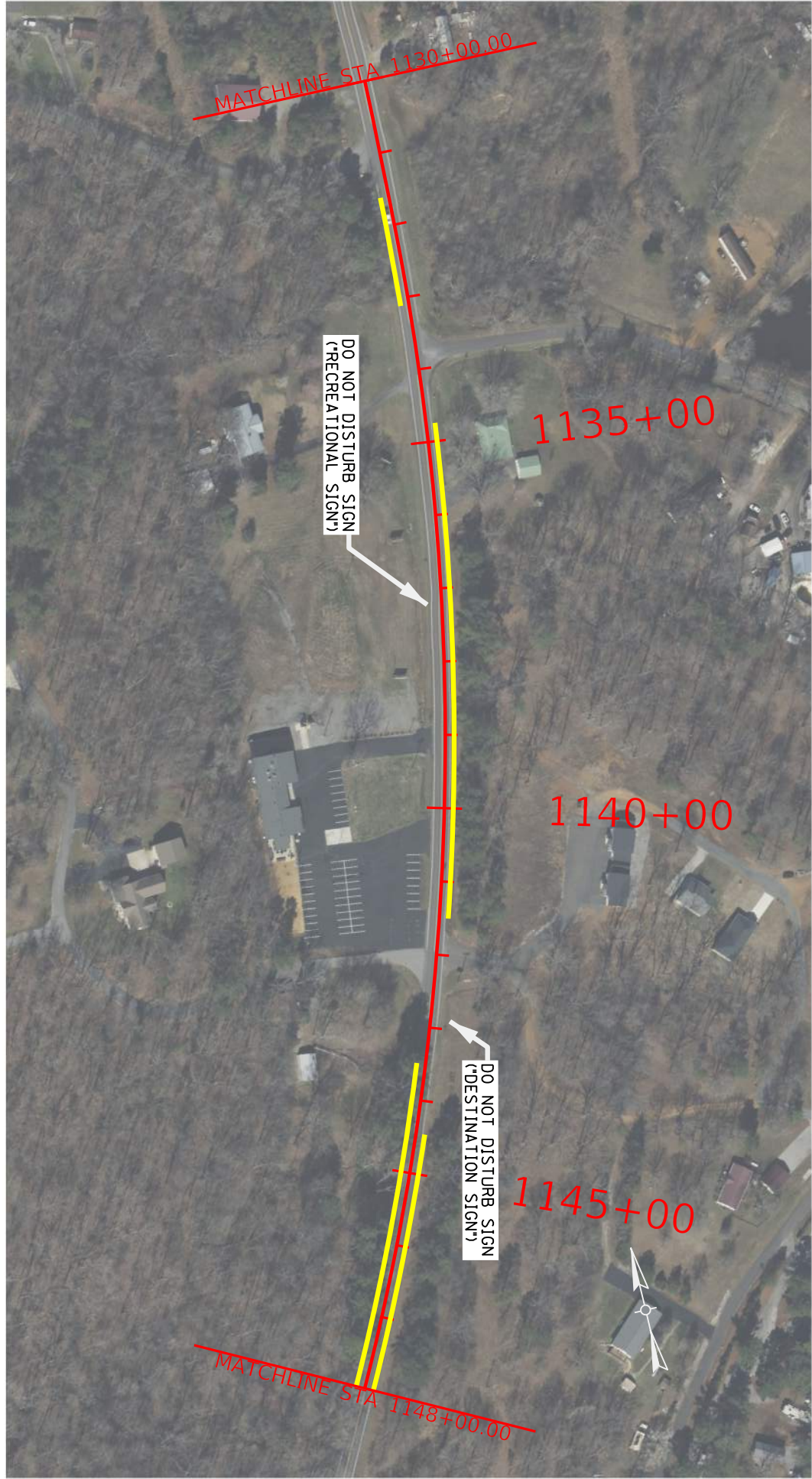
DRAWING TITLE: US 68
STA 1130+00 TO 1148+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-60	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (T.)	
STA. 1131+60 TO STA. 1133+10	
STA. 1143+50 TO STA. 1148+00	



TREE TRIMMING (T.)	
STA. 1134+75 TO STA. 1141+50	
STA. 1144+45 TO STA. 1148+00	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



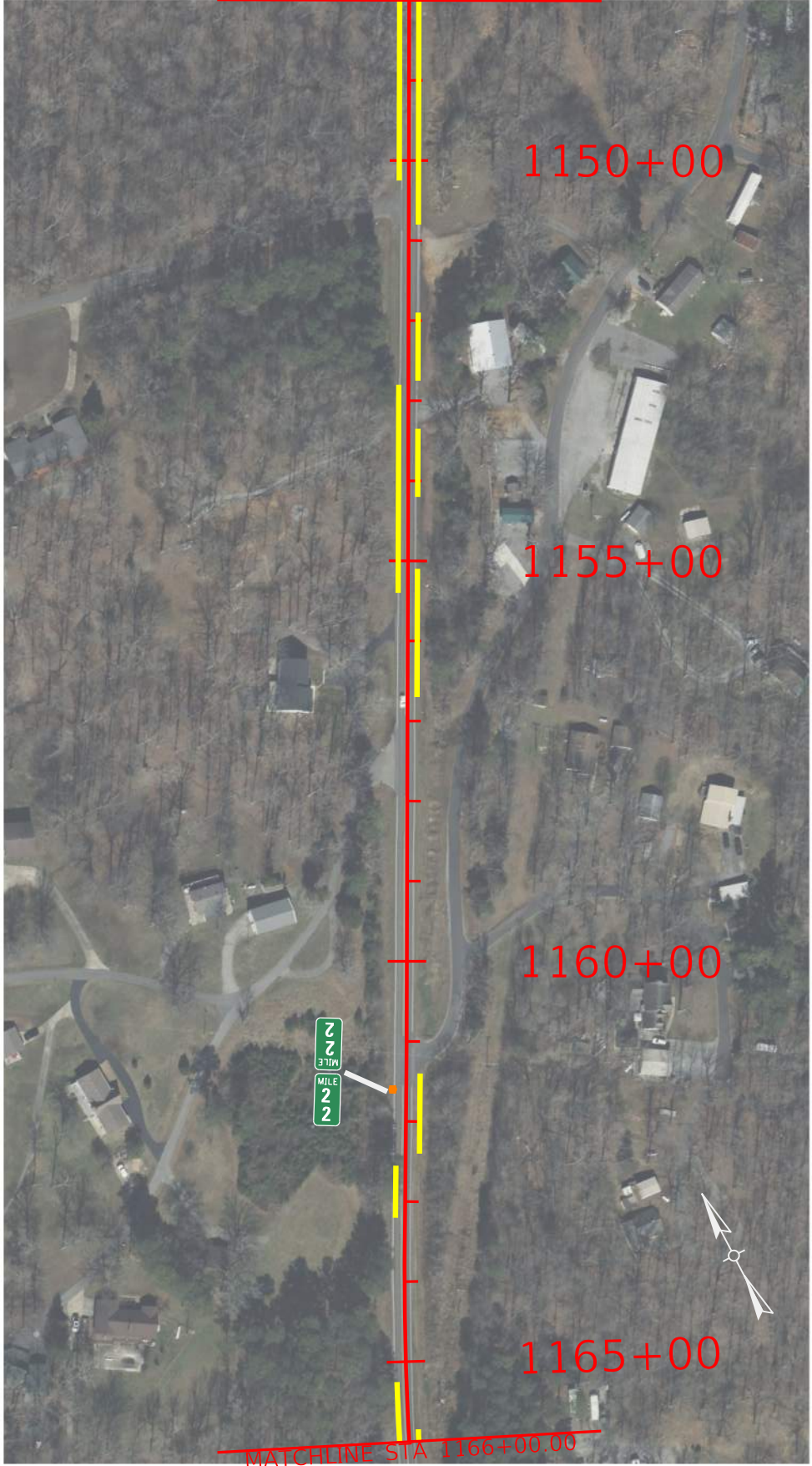
DRAWING TITLE: US 68
STA 1148+00 TO 1166+00



ITEM NO. 1-9019
SHEET NO. Plan Sheet-61
COUNTY OF MARSHALL

LEGEND	
	SURFELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)	
STA. 1148+00 TO STA. 1149+00	
STA. 1149+00 TO STA. 1150+25	
STA. 1152+80 TO STA. 1155+40	
STA. 1162+55 TO STA. 1163+20	
STA. 1165+25 TO STA. 1166+00	



TREE TRIMMING (LT.)	
STA. 1148+00 TO STA. 1149+80	
STA. 1149+80 TO STA. 1150+80	
STA. 1151+90 TO STA. 1152+75	
STA. 1153+35 TO STA. 1154+20	
STA. 1155+10 TO STA. 1156+70	
STA. 1161+40 TO STA. 1162+40	
STA. 1165+85 TO STA. 1166+00	

GR251002-HSIP



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

OpenRoads Designer v10.16.2.267
FILE NAME: C:\TWP\PM\SEIDSL\ID01215121-9019_PLANSHEETS.DGN
USER: dsbl



DRAWING TITLE: US 68
STA 1166+00 TO 1174+80



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-62	

LEGEND	
	SURFELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	CURB/PAVT
	ACCESS MANAGEMENT

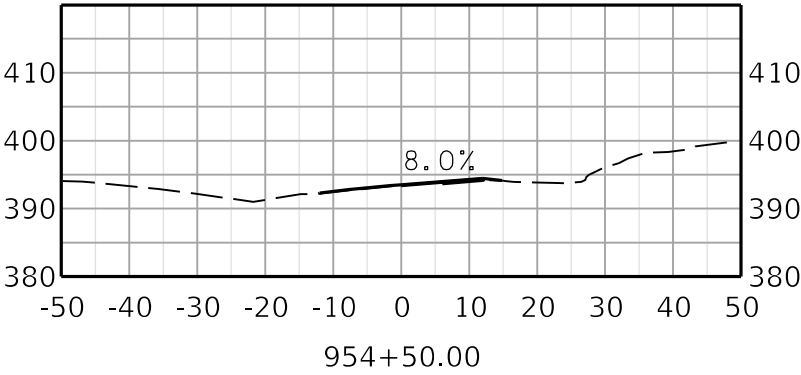
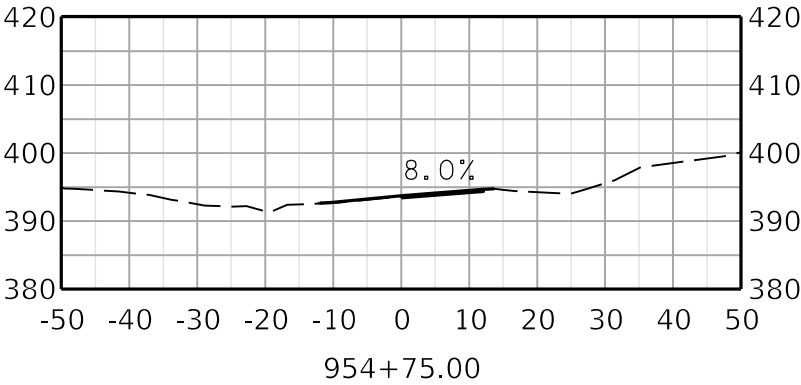
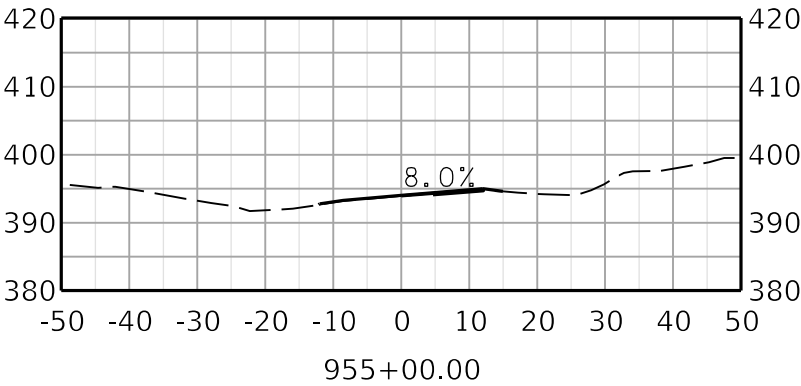
TREE TRIMMING (RT.)
STA. 1166+00 TO STA. 1166+25



TREE TRIMMING (LT.)
STA. 1166+00 TO STA. 1170+25

SUPERELEVATION TRANSITION		
STA.	CROSS-SLOPE	
	WB LANE	EB LANE
952+00	EXISTING	EXISTING
952+51	EXISTING	8.0% (◄◄)
955+49	EXISTING	8.0% (◄◄)
956+00	EXISTING	EXISTING

COUNTY OF	ITEM NO.
MARSHALL	I-9019



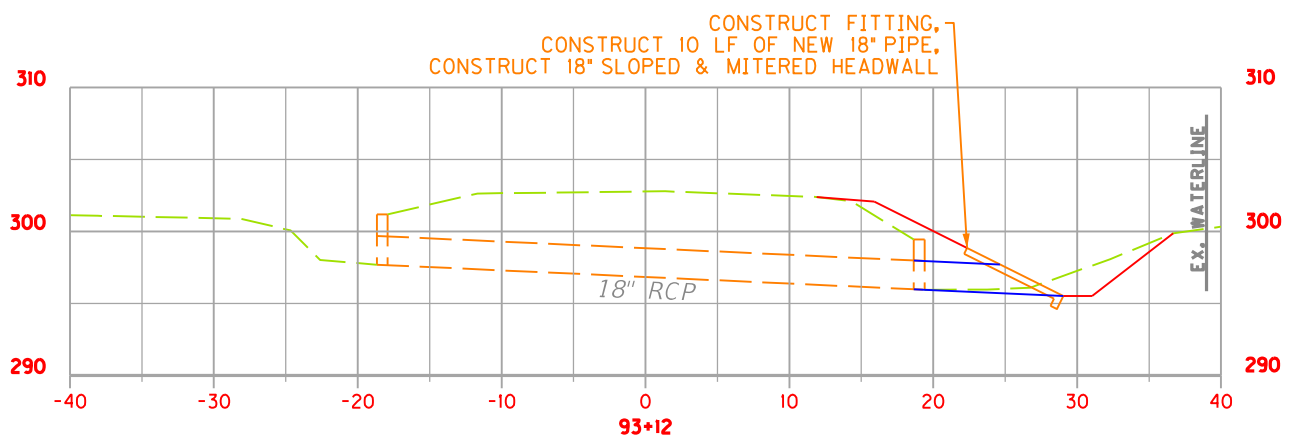
SCALE: 1" = 20' HORIZONTAL
1" = 20' VERTICAL

US 68
SUPERELEVATION DETAIL
PI STA 954+69.45

NOTES:

ALL JOINTS WHERE PROPOSED PIPE IS TO CONNECT WITH EXISTING PIPE SHALL BE CONNECTED WITH A DUAL WALL ADAPTER FITTING. REFER TO THE PIPE REPLACEMENT AND EXTENSION SUMMARY FOR ESTIMATED QUANTITIES AND DUAL WALL ADAPTER FITTING DETAIL FOR DESIGN SPECIFICS.

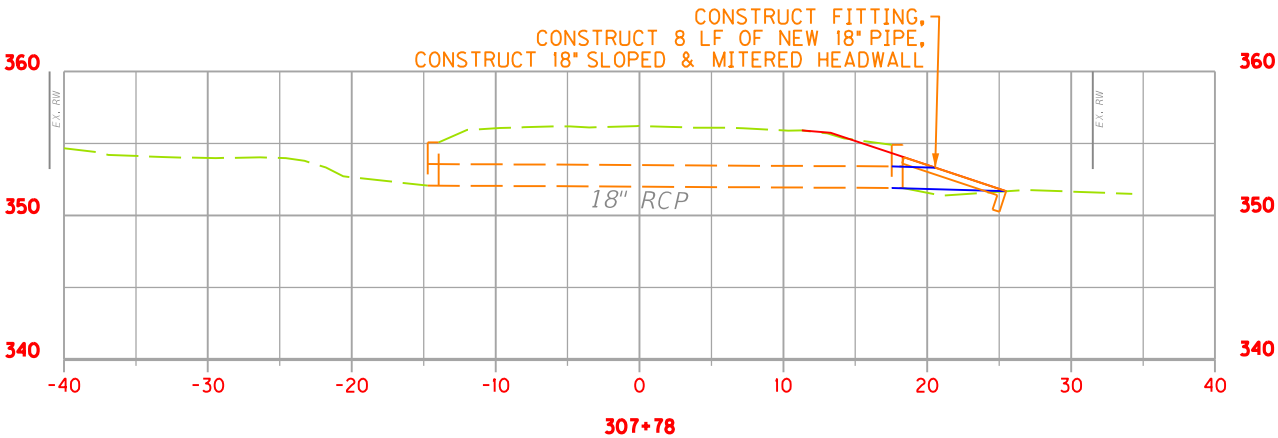
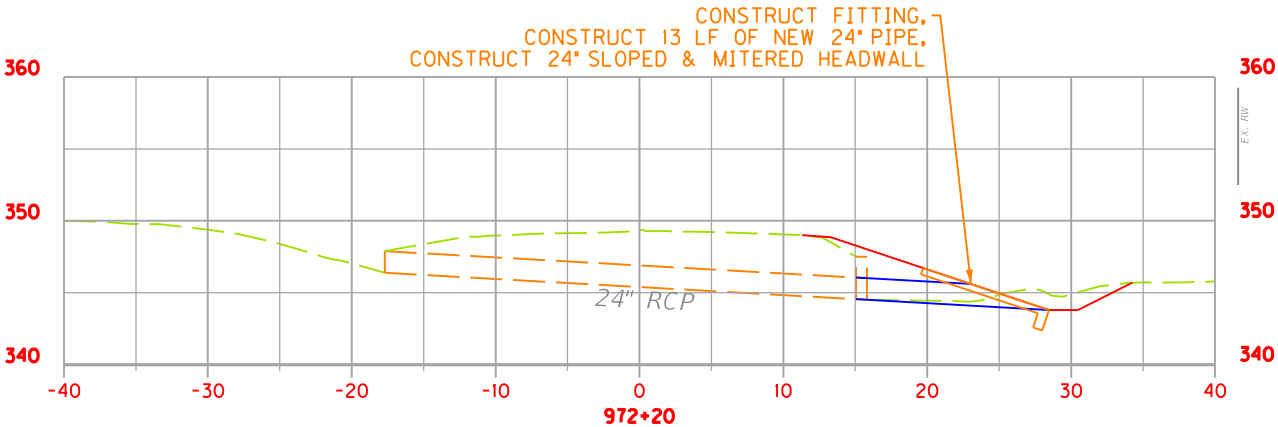
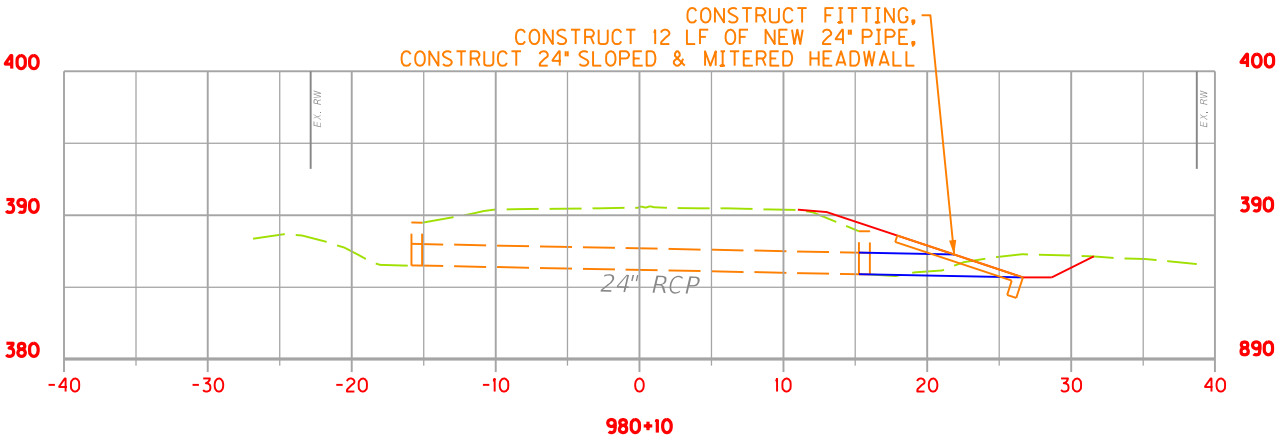
COUNTY OF	ITEM NO.
MCCRACKEN	I-9019.00



LEGEND	
—	PROPOSED PIPE
—	PROPOSED DRAINAGE STRUCTURE
—	PROPOSED SURFACE

NOTES:
ALL JOINTS WHERE PROPOSED PIPE IS TO CONNECT WITH EXISTING PIPE SHALL BE CONNECTED WITH A DUAL WALL ADAPTER FITTING. REFER TO THE PIPE REPLACEMENT AND EXTENSION SUMMARY FOR ESTIMATED QUANTITIES AND DUAL WALL ADAPTER FITTING DETAIL FOR DESIGN SPECIFICS.

COUNTY OF	ITEM NO.
MARSHALL	I-9019.00



LEGEND	
	PROPOSED PIPE
	PROPOSED DRAINAGE STRUCTURE
	PROPOSED SURFACE

LEGEND

SUPERELEVATION IMPROVEMENT

ROADSIDE REGRADING

TREE TRIMMING

TREE REMOVAL

DRAINAGE IMPROVEMENTS

GUARDRAIL

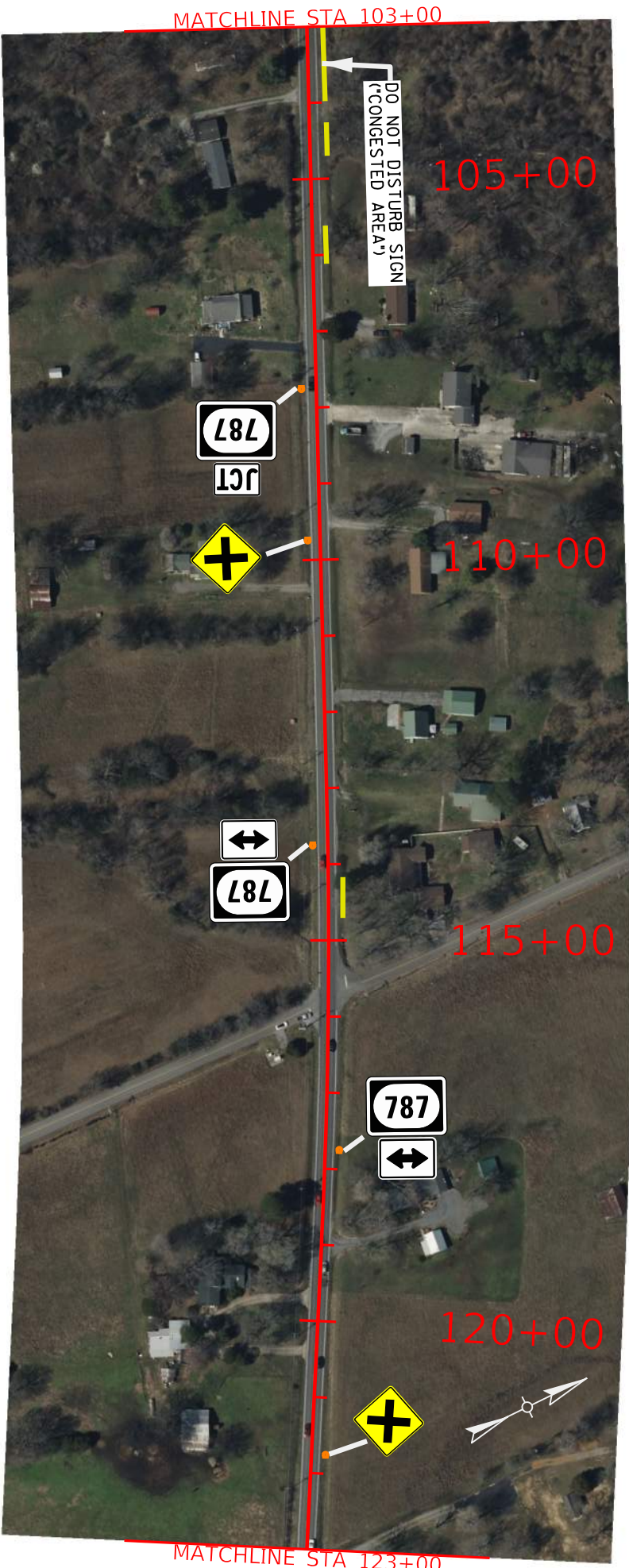
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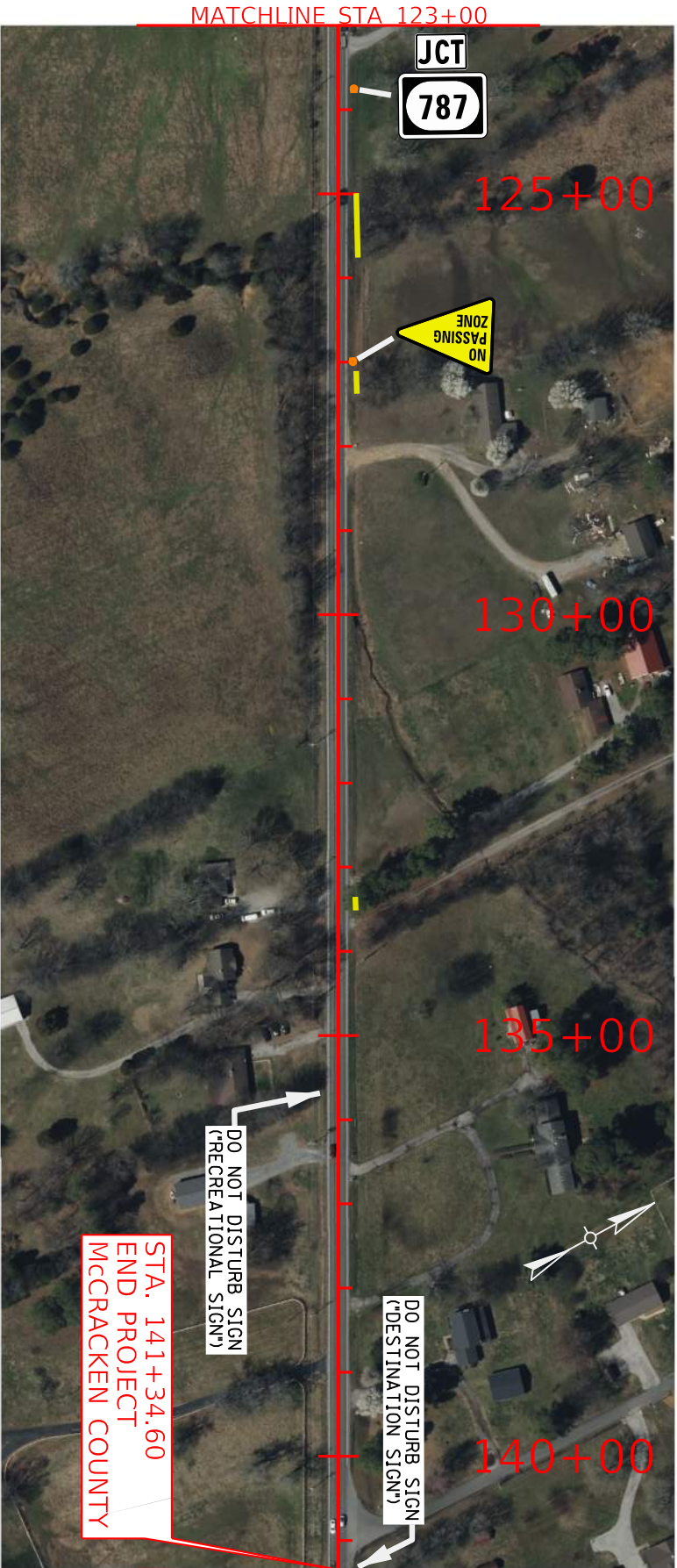
DRAWING TITLE: US 68
STA. 103+00.00 TO STA. 123+00.00



ITEM NO. 1-9019
SHEET NO. Plan Sheet-2
COUNTY OF MCCracken

TREE TRIMMING (T.T.)
STA. 103+00 TO STA. 104+00
STA. 104+25 TO STA. 104+70
STA. 105+60 TO STA. 106+10
STA. 114+20 TO STA. 114+70





TREE TRIMMING (T.)
STA. 125+00 TO STA. 125+75
STA. 127+10 TO STA. 127+40
STA. 133+35 TO STA. 133+50

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

STA. 123+00.00 TO STA. 141+34.60



ITEM NO.	COUNTY OF
1-9019	MCCRACKEN
SHEET NO.	
Plan Sheet-3	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

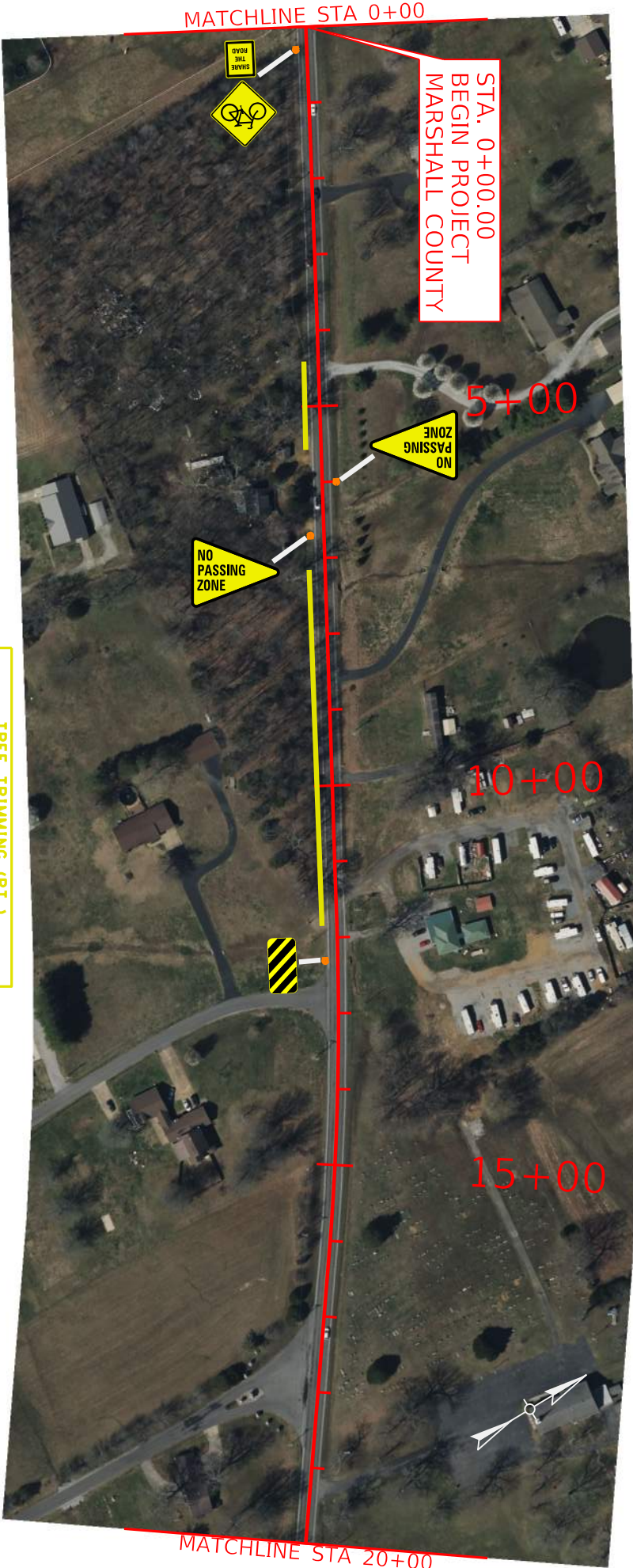
STA. 0+00.00 TO STA. 20+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-1	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAIDING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)
STA. 4+40 TO STA. 5+60
STA. 7+15 TO STA. 11+85



MATCHLINE STA 0+00

STA. 0+00.00
BEGIN PROJECT
MARSHALL COUNTY

5+00

10+00

15+00

MATCHLINE STA 20+00



TREE TRIMMING (L.T.)
STA. 31+00 TO STA. 35+20
STA. 36+20 TO STA. 40+00

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



US 68

STA. 20+00.00 TO STA. 40+00.00



ITEM NO. 1-9019	COUNTY OF MARSHALL
SHEET NO. Plan Sheet-2	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



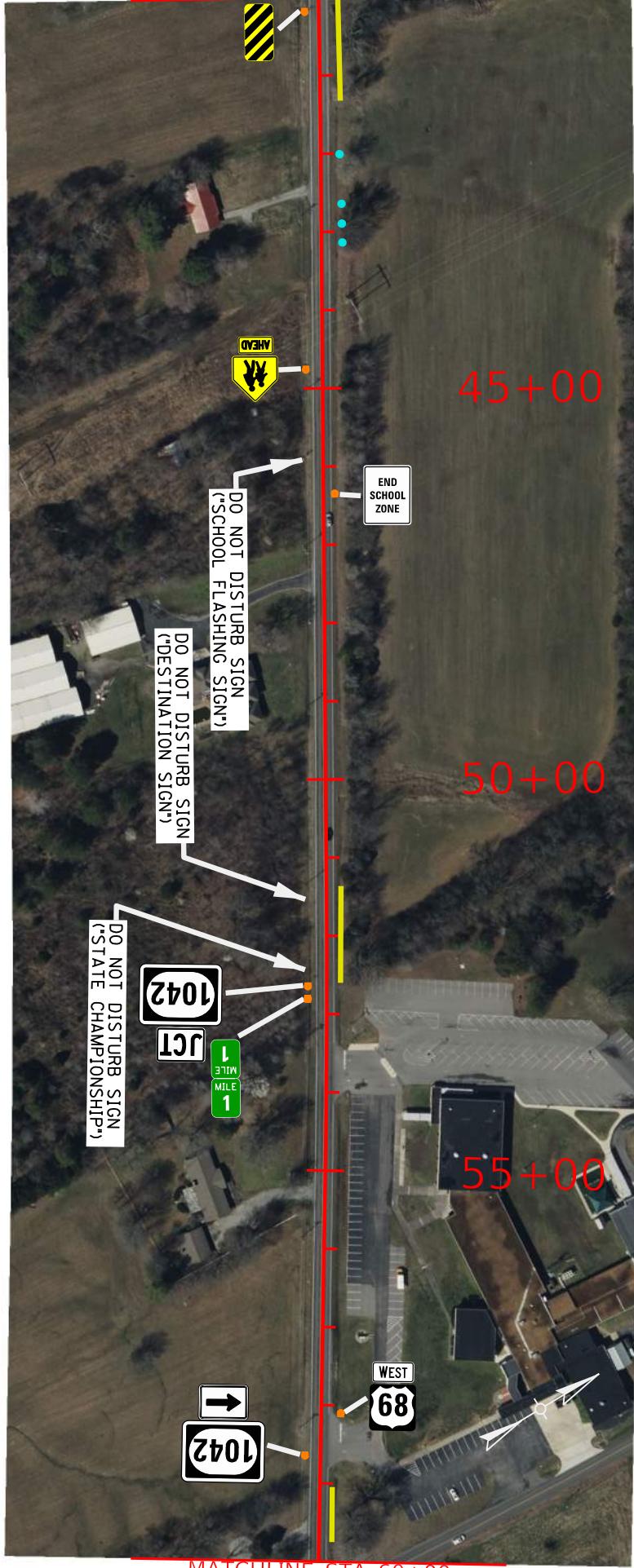
US 68

STA. 40+00.00 TO STA. 60+00.00



ITEM NO. 1-9019
SHEET NO. Plan Sheet 3
COUNTY OF MARSHALL

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



TREE TRIMMING (L.T.)
STA. 40+00 TO STA. 41+30
STA. 51+35 TO STA. 52+60
STA. 59+00 TO STA. 59+75

TREE REMOVAL (L.T.)
STA. 42+00
STA. 42+65
STA. 42+90
STA. 43+15



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



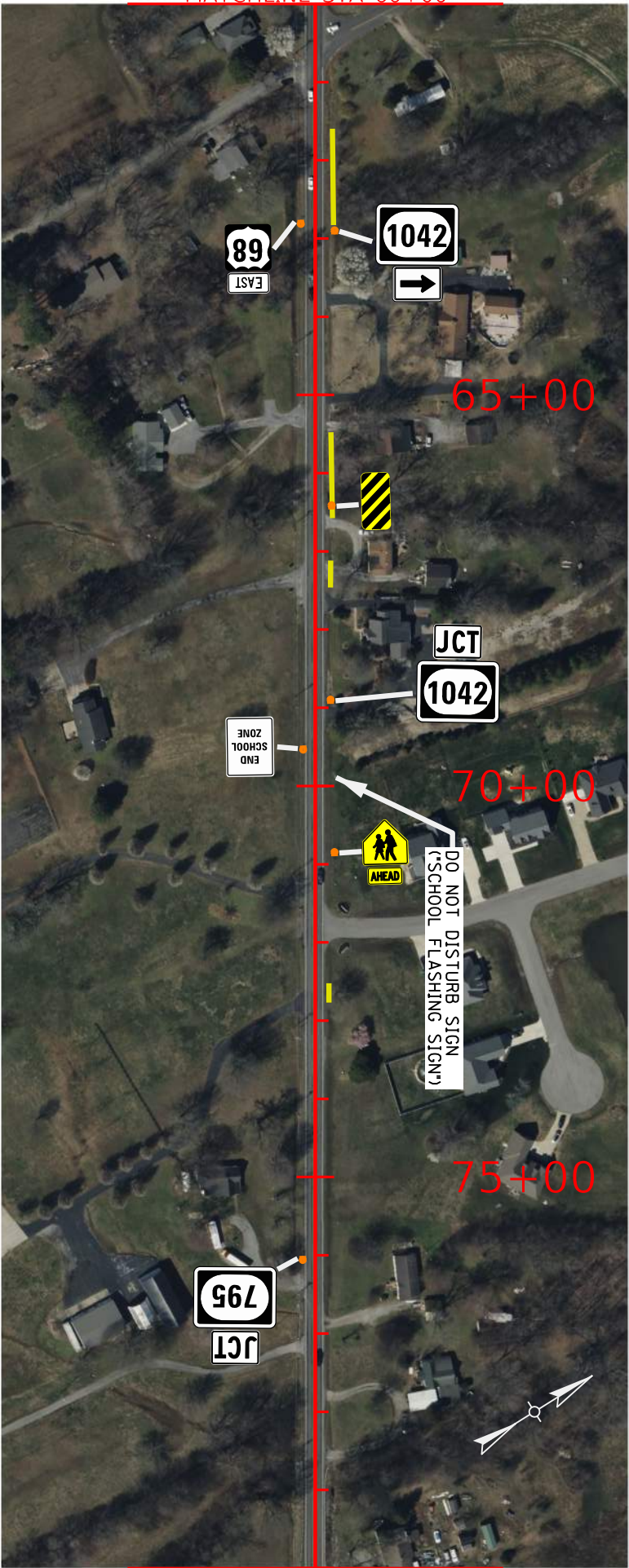
DRAWING TITLE: US 68

STA. 60+00.00 TO STA. 80+00.00



ITEM NO. 1-9019
SHEET NO. Plan Sheet-4
COUNTY OF MARSHALL

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



TREE TRIMMING (LT.)
STA. 61+60 TO STA. 62+85
STA. 65+45 TO STA. 66+55
STA. 67+10 TO STA. 67+45
STA. 72+50 TO STA. 72+75

MATCHLINE STA 60+00

MATCHLINE STA 80+00



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



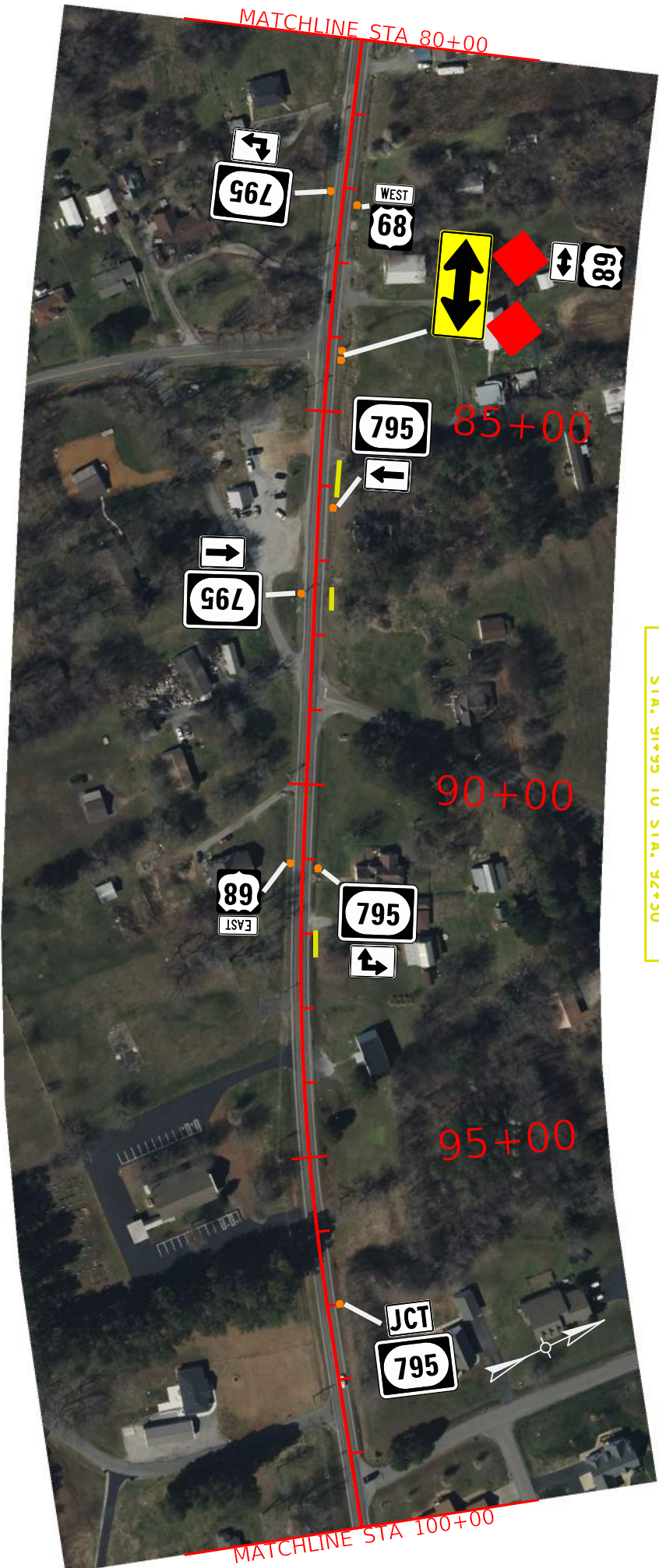
DRAWING TITLE: US 68

STA. 80+00.00 TO STA. 100+00.00



ITEM NO. 1-9019
SHEET NO. Plan Sheet-5
COUNTY OF MARSHALL

LEGEND	
—	SUPERELEVATION IMPROVEMENT
—	ROADSIDE REGRAVING
—	TREE TRIMMING
—	TREE REMOVAL
—	DRAINAGE IMPROVEMENTS
—	GUARDRAIL
—	ACCESS MANAGEMENT



TREE TRIMMING (T.T.)
STA. 85+65 TO STA. 86+15
STA. 87+35 TO STA. 87+65
STA. 91+95 TO STA. 92+30



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



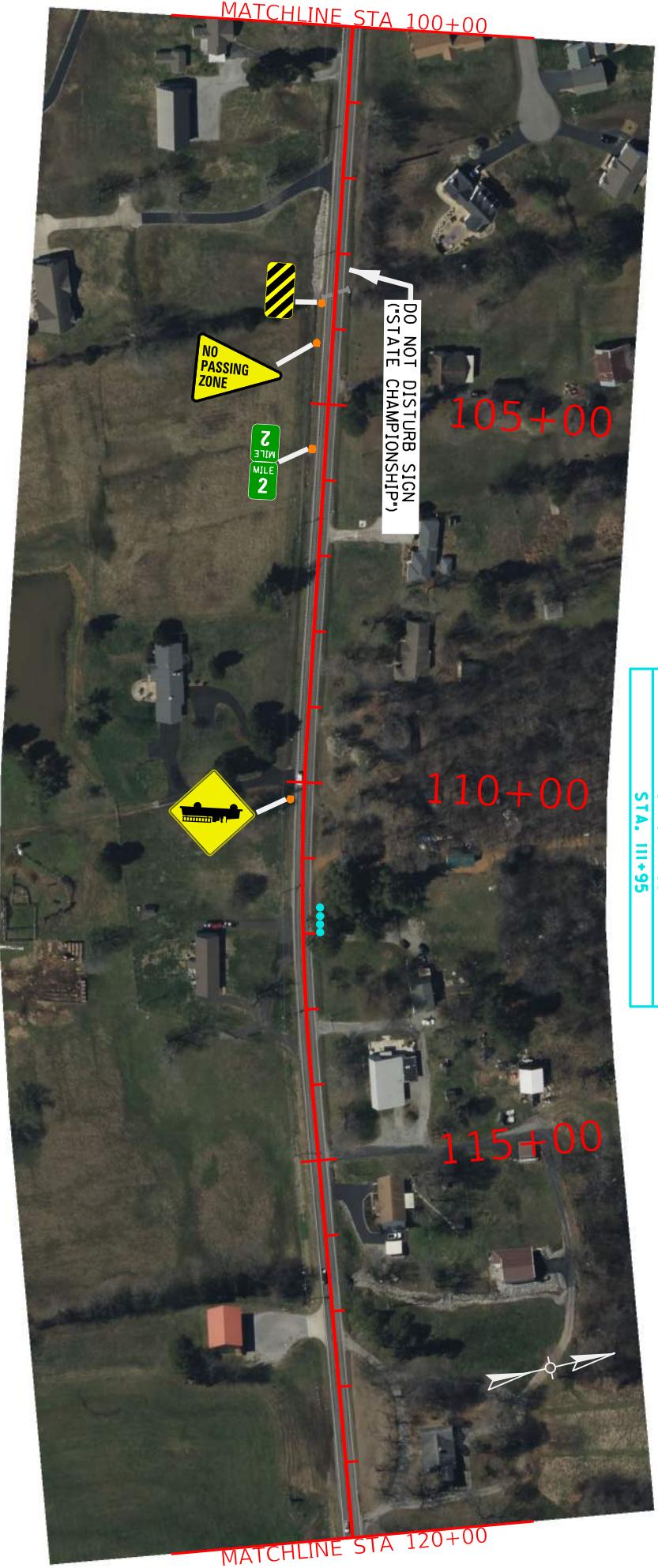
DRAWING TITLE: US 68

STA. 100+00.00 TO STA. 120+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-6	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



TREE REMOVAL (T.)
STA. 111+65
STA. 111+75
STA. 111+85
STA. 111+95

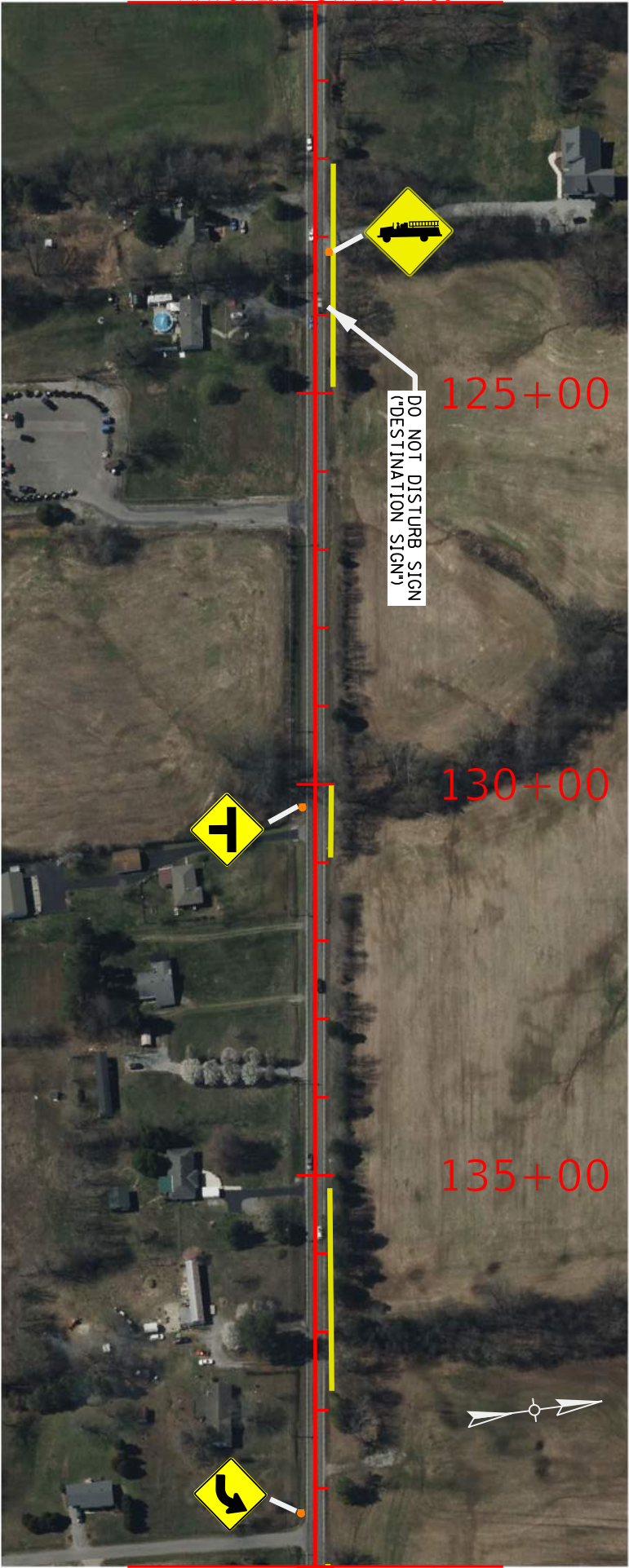
LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

DRAWING TITLE: US 68
STA. 120+00.00 TO STA. 140+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-7	

TREE TRIMMING (LT.)
STA. 122+05 TO STA. 124+90
STA. 130+00 TO STA. 130+90
STA. 135+15 TO STA. 137+75
STA. 139+95 TO STA. 140+00



GR251002-HSIP



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



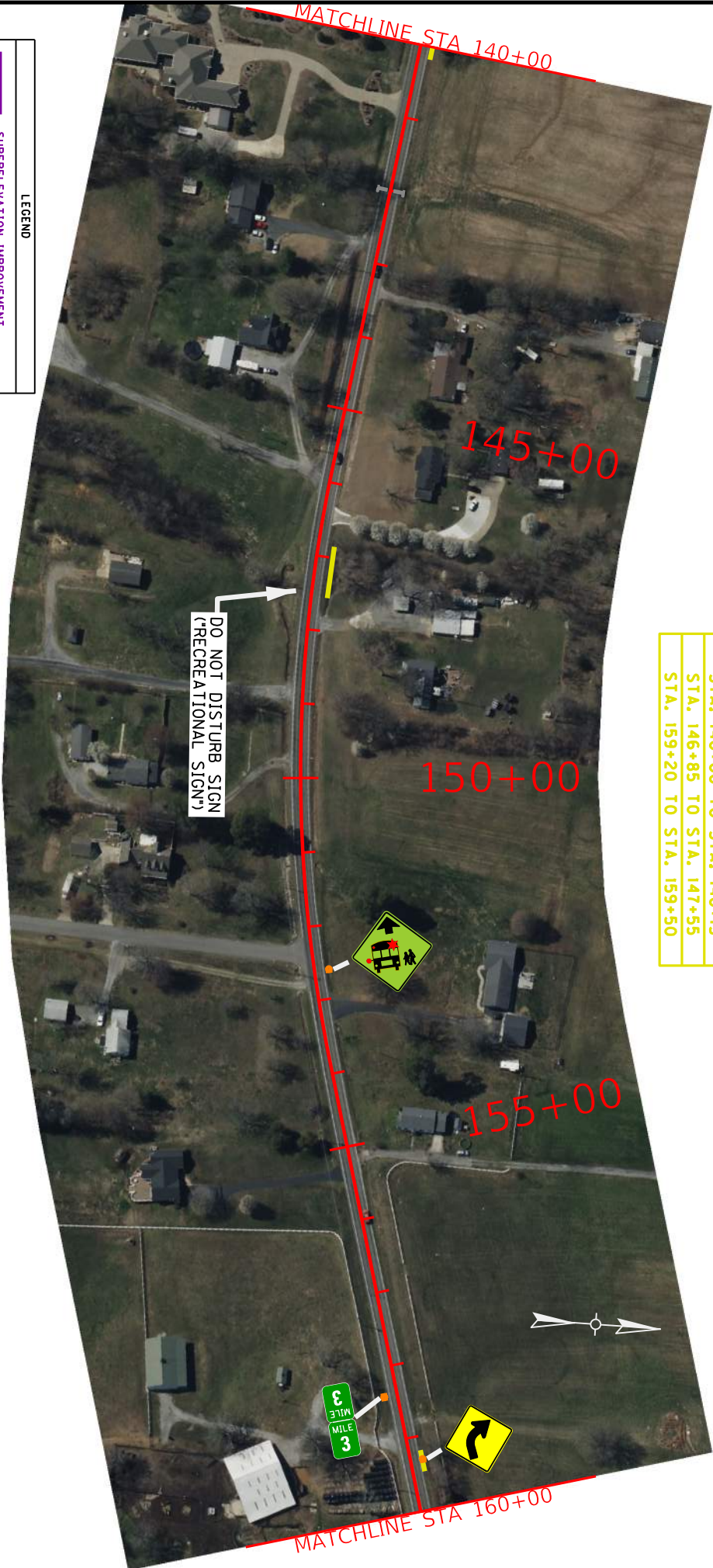
DRAWING TITLE: US 68

STA. 140+00.00 TO STA. 160+00.00

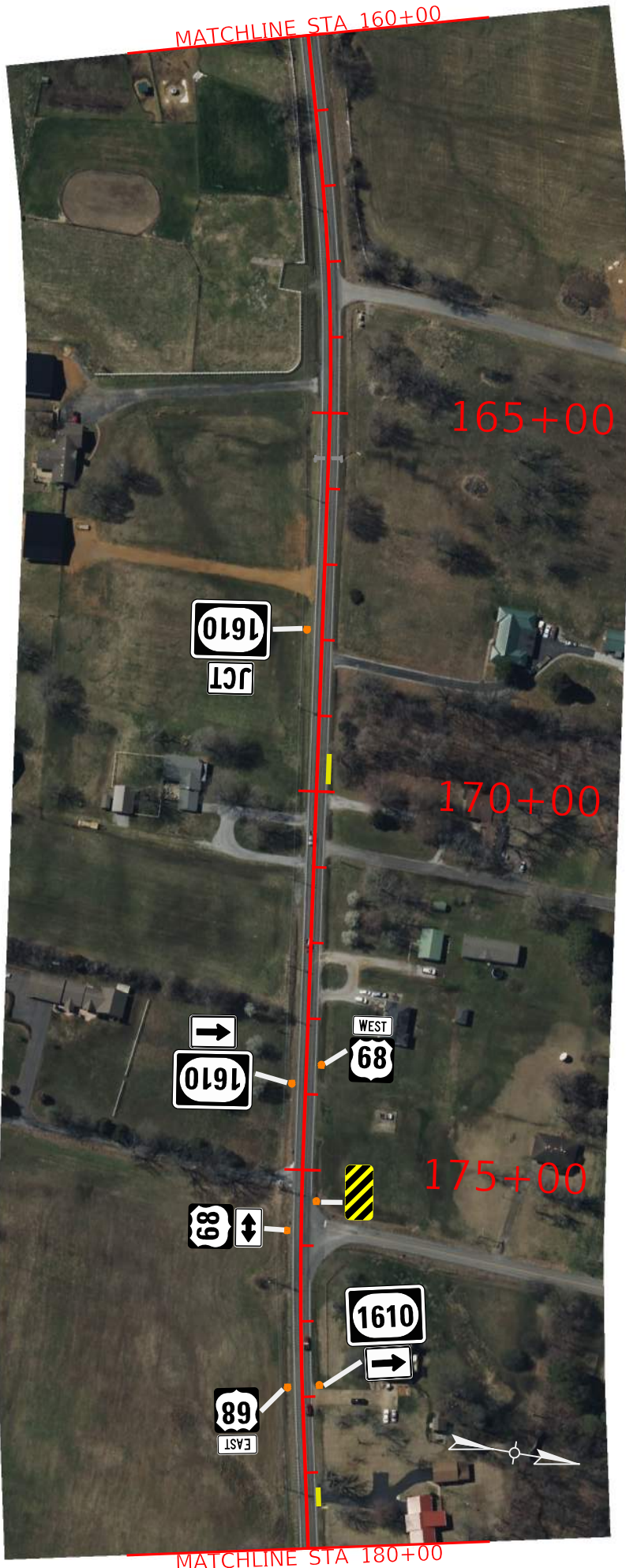


ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-8	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



TREE TRIMMING (L.T.)
STA. 140+00 TO STA. 140+15
STA. 146+85 TO STA. 147+55
STA. 159+20 TO STA. 159+50



TREE TRIMMING (L.T.)	
STA. 169+50 TO STA. 169+90	
STA. 179+20 TO STA. 179+45	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA. 160+00.00 TO STA. 180+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-9	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

STA. 180+00.00 TO STA. 200+00.00



ITEM NO. 1-9019
SHEET NO. Plan Sheet-10
COUNTY OF MARSHALL

LEGEND	
—	SUPERELEVATION IMPROVEMENT
—	ROADSIDE REGRAIDING
—	TREE TRIMMING
—	TREE REMOVAL
—	DRAINAGE IMPROVEMENTS
—	GUARDRAIL
—	ACCESS MANAGEMENT



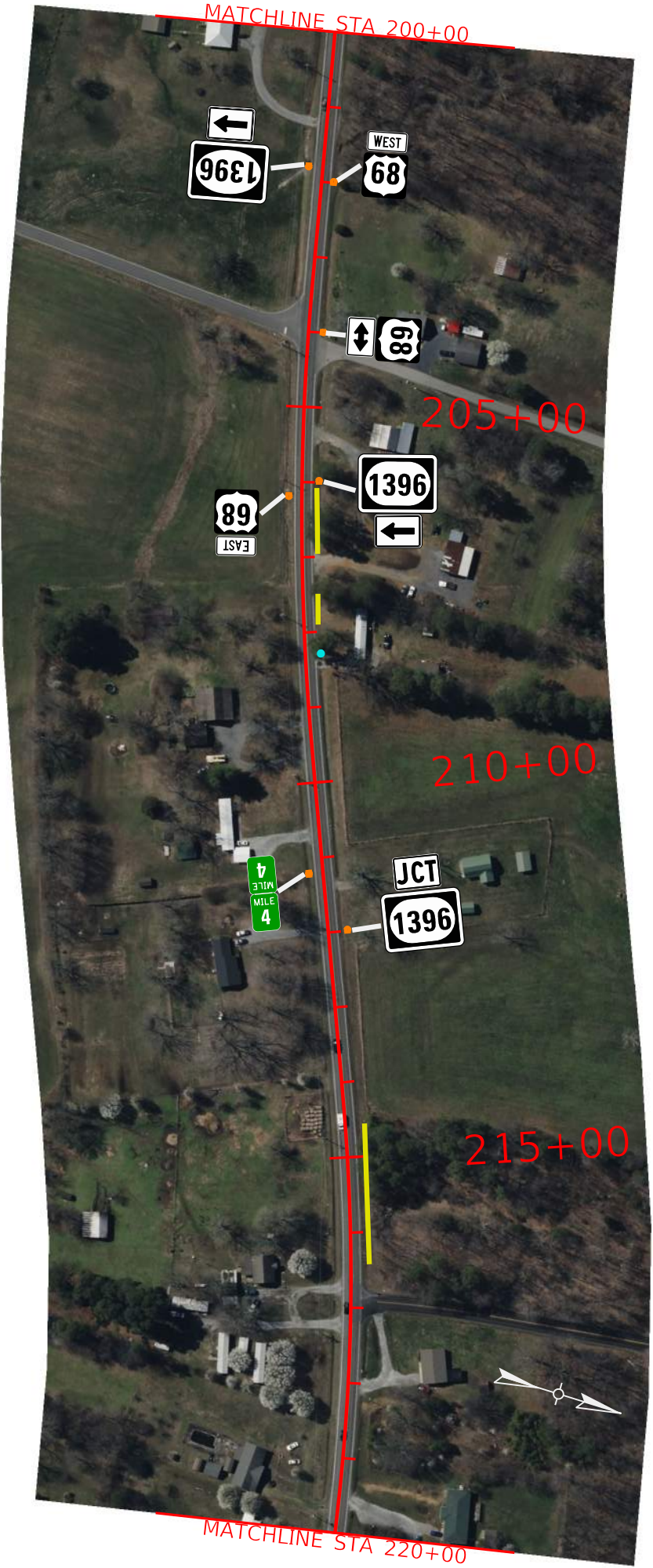
TREE TRIMMING (T.)
STA. 180+50 TO STA. 183+05
STA. 188+35 TO STA. 188+60
STA. 189+05 TO STA. 189+40
STA. 190+25 TO STA. 190+50
STA. 192+50 TO STA. 193+10
STA. 197+15 TO STA. 197+60

TREE REMOVAL (T.)
STA. 190+95
STA. 193+70
STA. 194+25

MATCHLINE STA 180+00

MATCHLINE STA 200+00

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

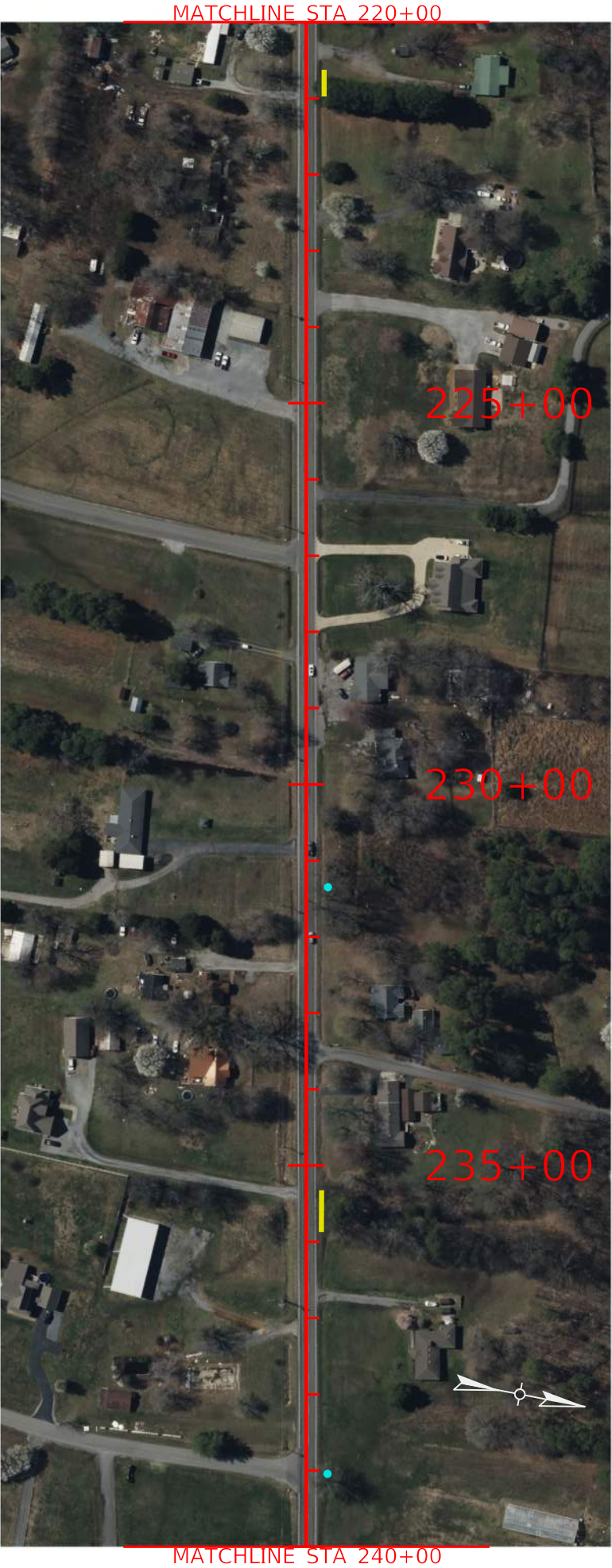


TREE TRIMMING (L.T.)
STA. 206+05 TO STA. 206+95
STA. 207+50 TO STA. 207+90
STA. 215+55 TO STA. 216+45

TREE REMOVAL (L.T.)
STA. 208+30



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-11	



TREE TRIMMING (I.T.)
STA. 220+60 TO STA. 220+95
STA. 235+30 TO STA. 235+85

TREE REMOVAL (I.T.)
STA. 231+35
STA. 239+05

LEGEND
SUPERELEVATION IMPROVEMENT
ROADSIDE REGRADING
TREE TRIMMING
TREE REMOVAL
DRAINAGE IMPROVEMENTS
GUARDRAIL
ACCESS MANAGEMENT

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA. 220+00.00 TO STA. 240+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-12	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



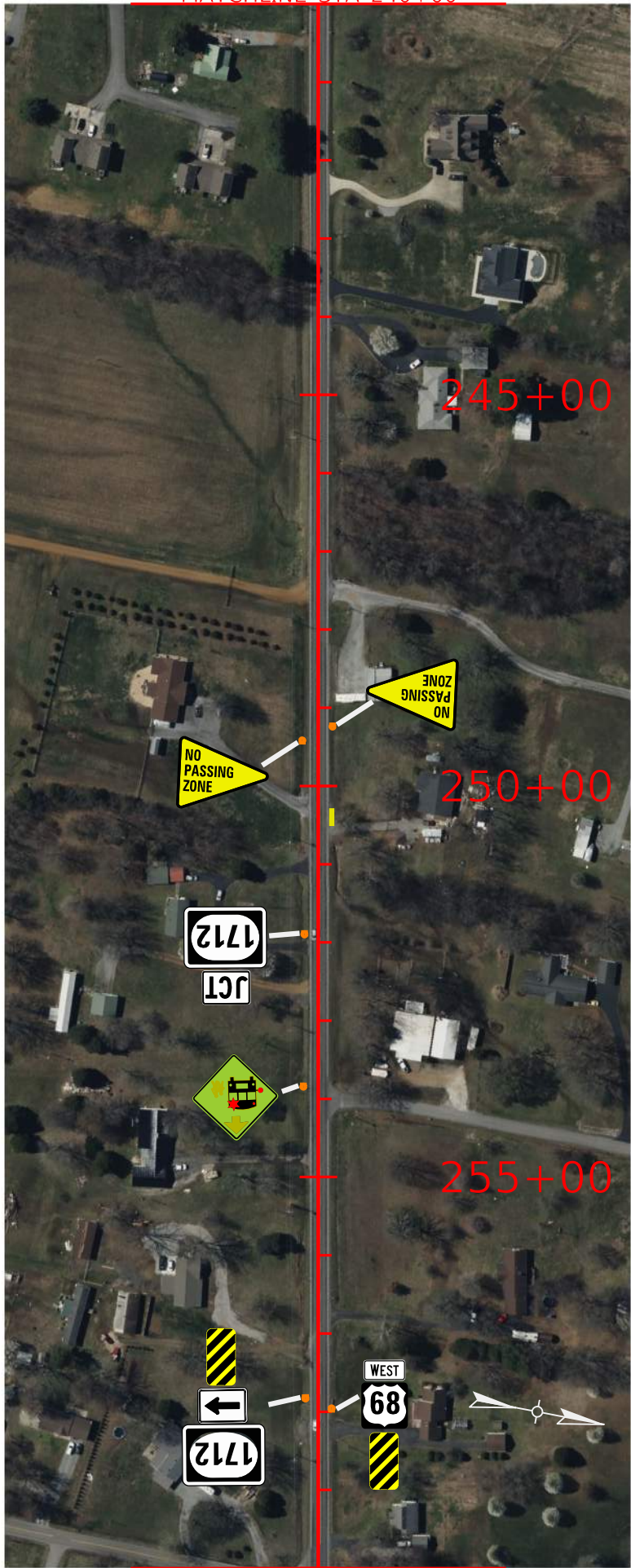
DRAWING TITLE: US 68

STA. 240+00.00 TO STA. 260+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-13	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



TREE TRIMMING (L.T.)
STA. 250+30 TO STA. 250+50

MATCHLINE STA 240+00

MATCHLINE STA 260+00



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

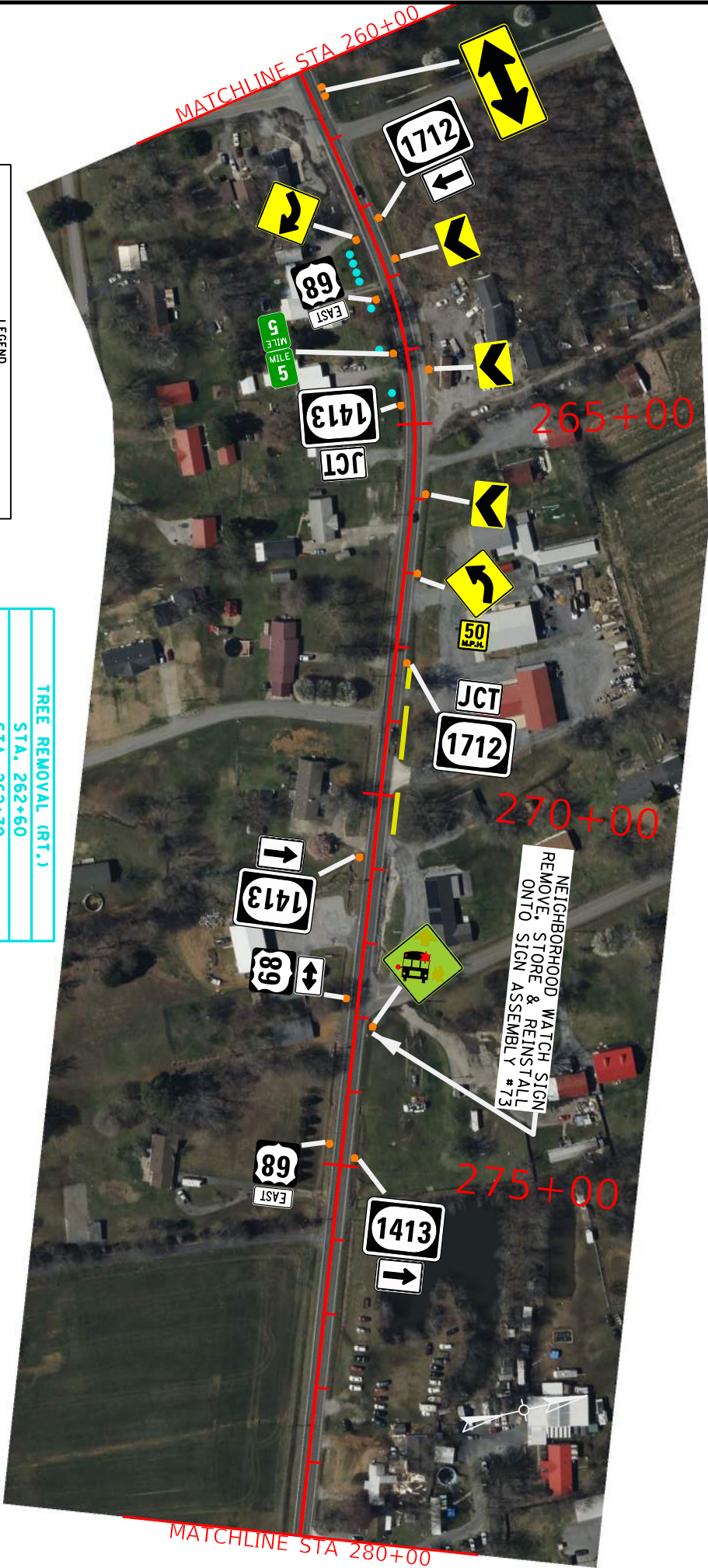
STA. 260+00.00 TO STA. 280+00.00



ITEM NO. 1-9019
SHEET NO. Plan Sheet-14
COUNTY OF MARSHALL

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE REMOVAL (RT.)	
STA. 262+60	
STA. 262+70	
STA. 262+80	
STA. 262+90	
STA. 263+35	
STA. 263+95	
STA. 264+55	



TREE TRIMMING (T.)	
STA. 268+25 TO STA. 268+55	
STA. 268+80 TO STA. 269+50	
STA. 269+95 TO STA. 270+50	

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

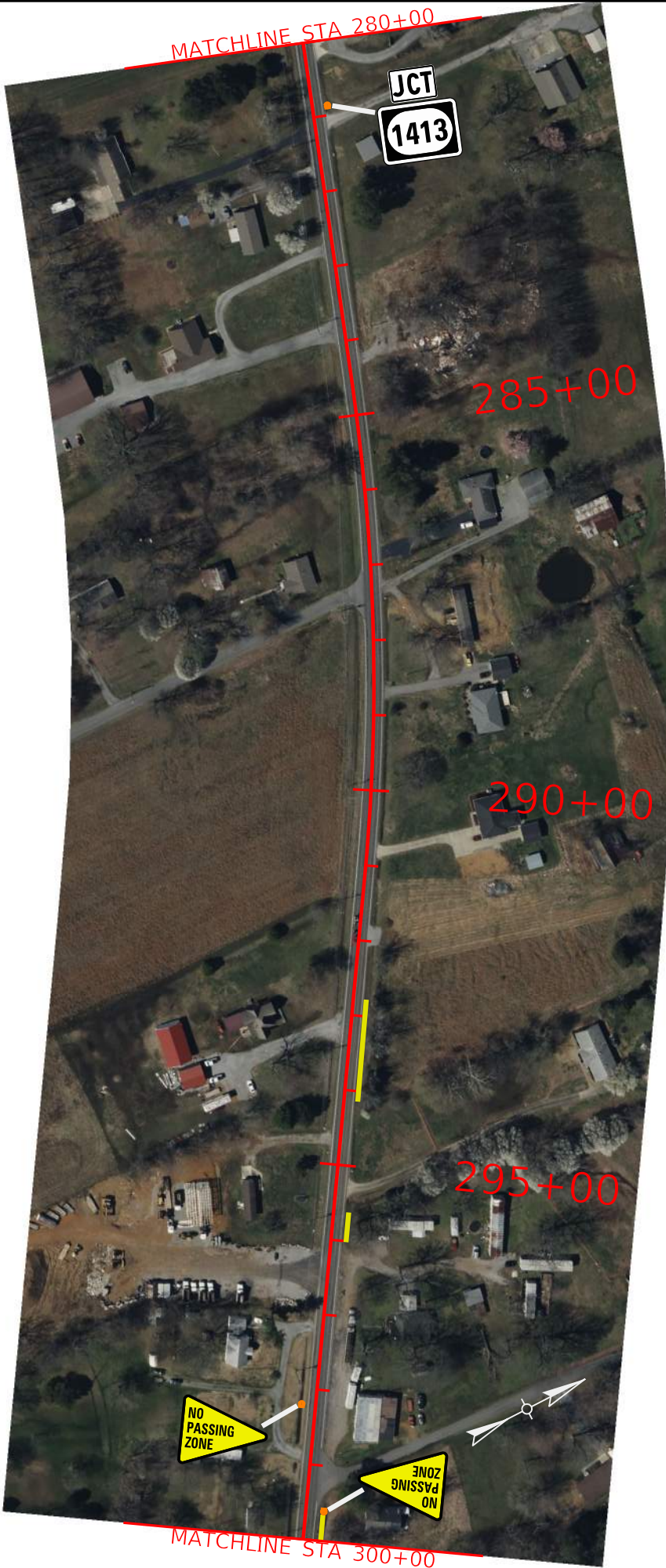


DRAWING TITLE: US 68

STA. 280+00.00 TO STA. 300+00.00

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAIDING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (LT.)
STA. 292+80 TO STA. 294+15
STA. 295+60 TO STA. 296+00
STA. 299+65 TO STA. 300+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-15	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



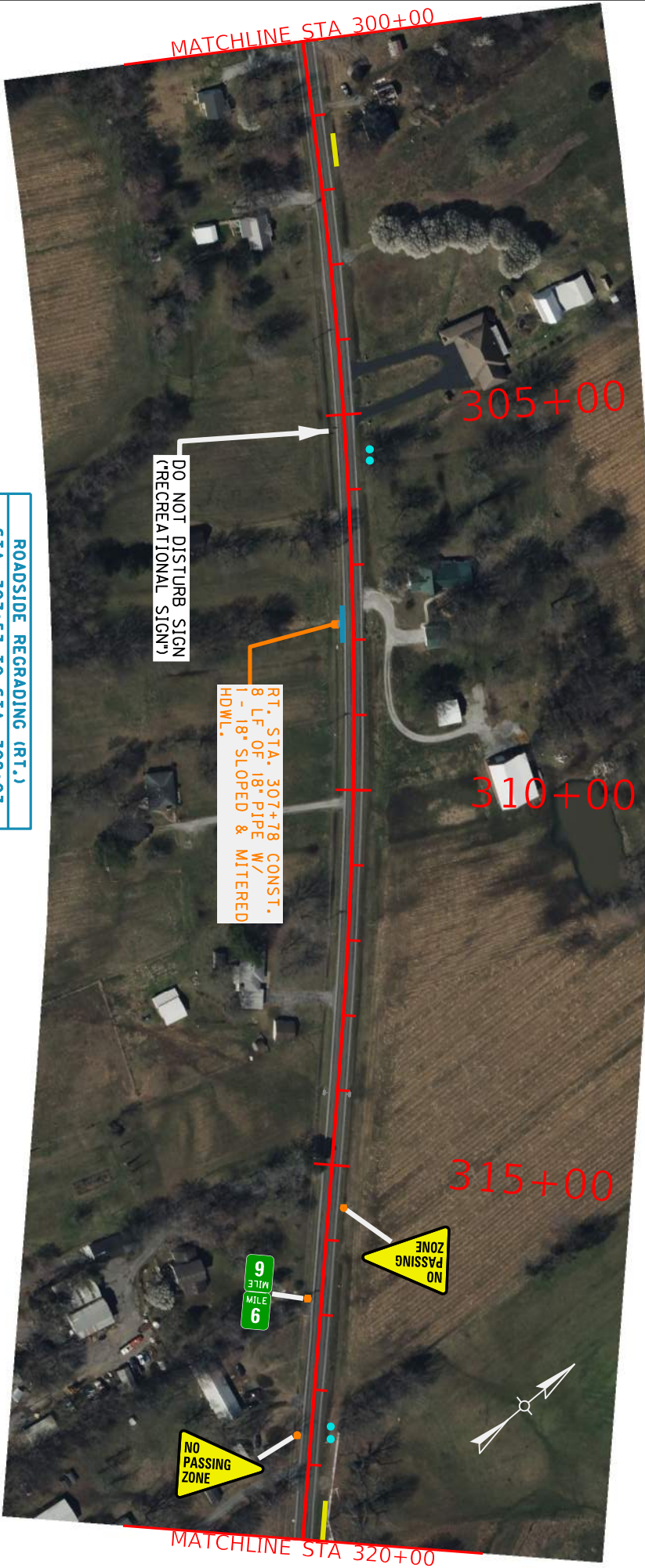
DRAWING TITLE: US 68
STA. 300+00.00 TO STA. 320+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-16	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAIDING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

ROADSIDE REGRAIDING (RT.)
STA. 307+53 TO STA. 308+03



TREE TRIMMING (LT.)
STA. 300+00 TO STA. 300+05
STA. 301+25 TO STA. 301+70
STA. 319+45 TO STA. 320+00

TREE REMOVAL (LT.)
STA. 305+50
STA. 305+65
STA. 318+45
STA. 318+65





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

STA. 320+00.00 TO STA. 340+00.00



HORIZONTAL SCALE: 1"=200'

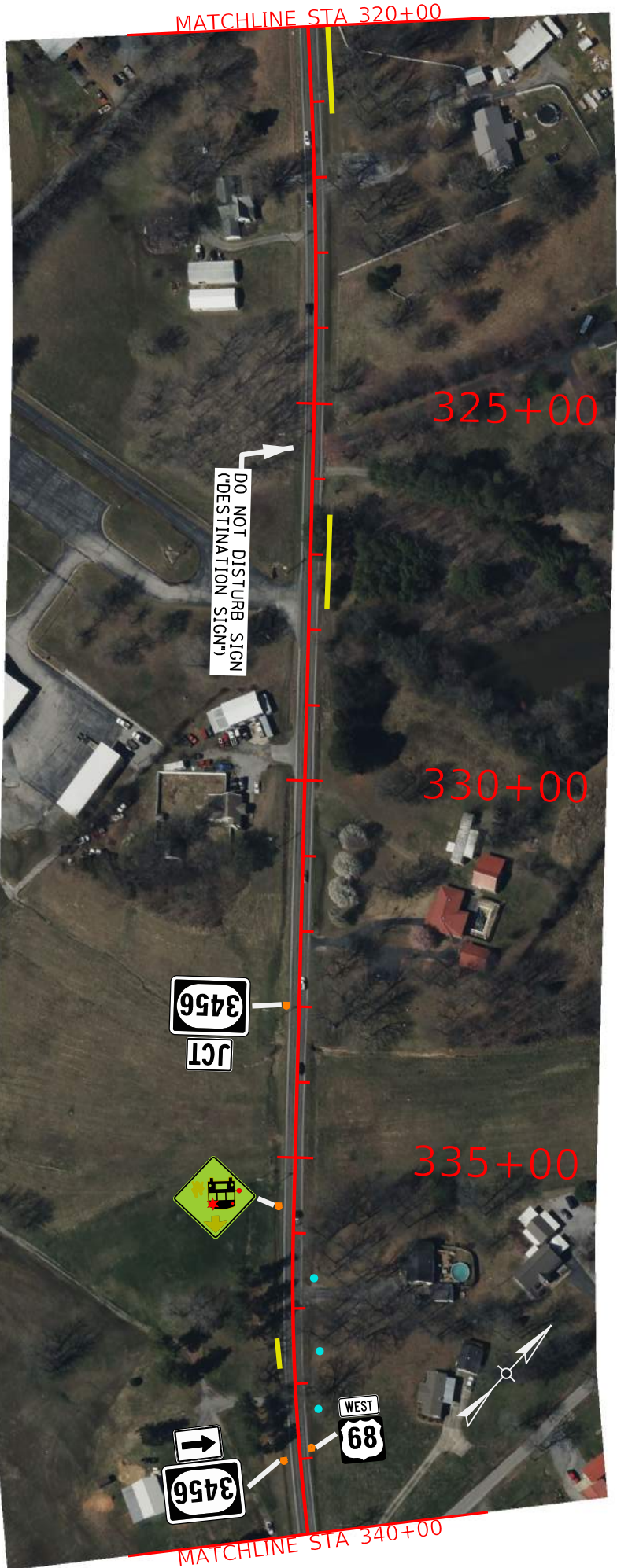
ITEM NO. 1-9019
SHEET NO. Plan Sheet-17
COUNTY OF MARSHALL

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)	
STA. 337+40 TO STA. 337+80	

TREE TRIMMING (LT.)	
STA. 320+00 TO STA. 321+20	
STA. 326+45 TO STA. 327+70	

TREE REMOVAL (LT.)	
STA. 336+60	
STA. 337+60	
STA. 338+35	



MATCHLINE STA 320+00

MATCHLINE STA 340+00



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

STA. 340+00.00 TO STA. 360+00.00



HORIZONTAL SCALE: 1"=200'

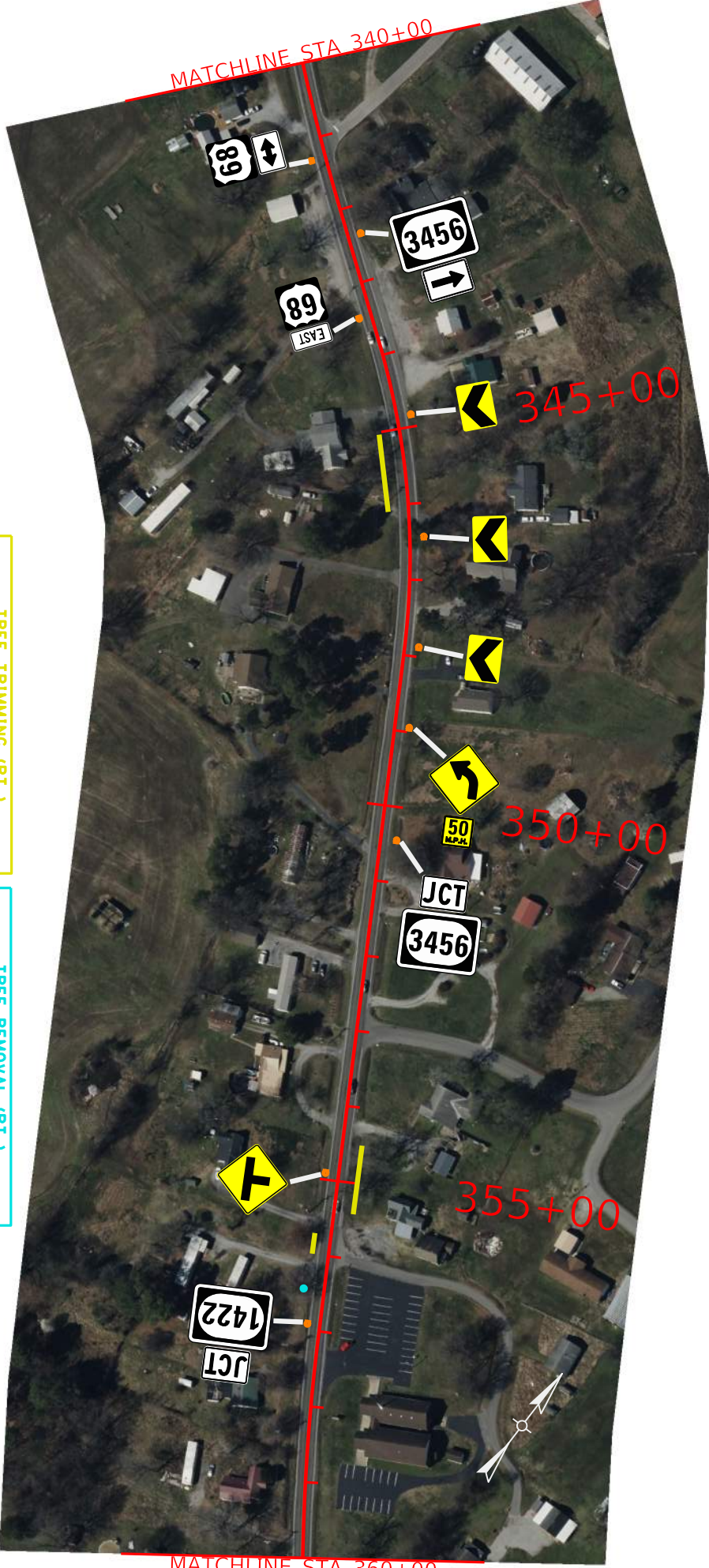
ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-18	

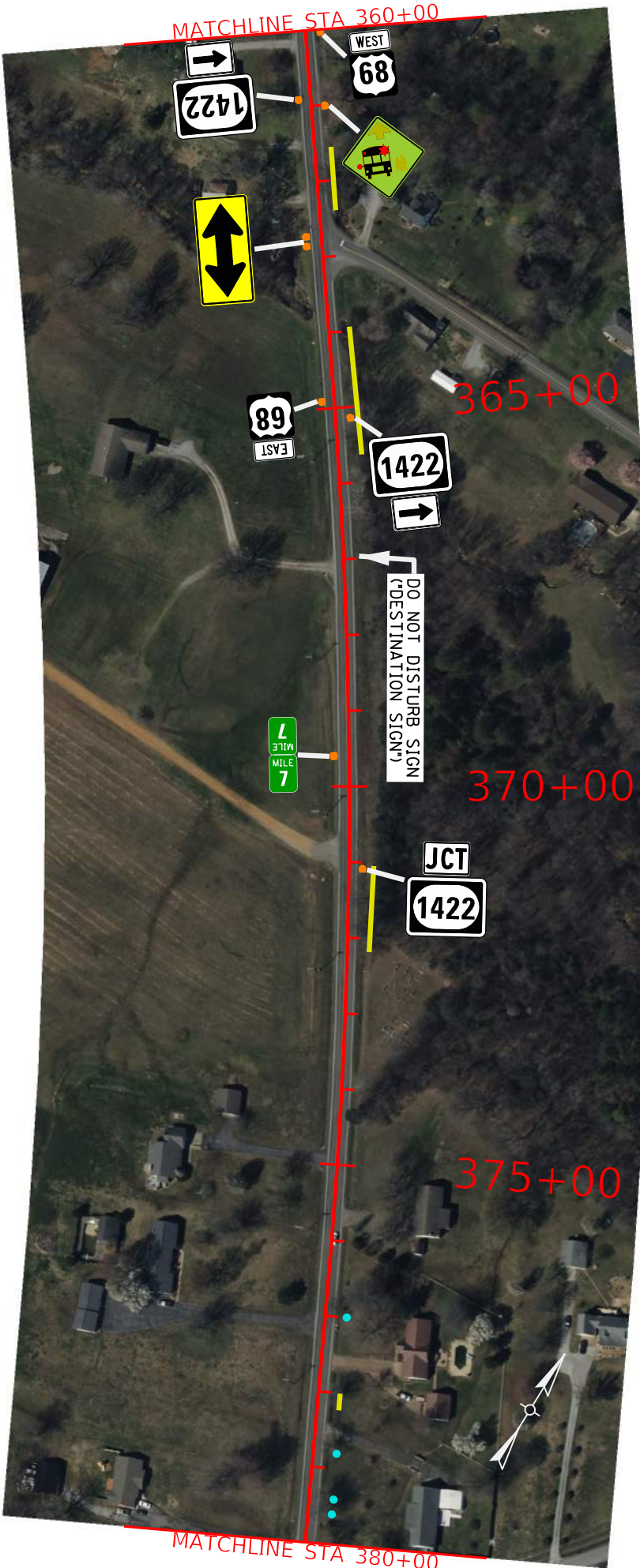
LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)
STA. 345+05 TO STA. 346+10
STA. 355+70 TO STA. 356+00

TREE REMOVAL (RT.)
STA. 356+45

TREE TRIMMING (LT.)
STA. 354+50 TO STA. 355+40





LEGEND	
—	SUPERELEVATION IMPROVEMENT
—	ROADSIDE REGRAVING
—	TREE TRIMMING
—	TREE REMOVAL
—	DRAINAGE IMPROVEMENTS
—	GUARDRAIL
—	ACCESS MANAGEMENT

TREE TRIMMING (L.T.)
STA. 361+55 TO STA. 362+40
STA. 363+95 TO STA. 365+65
STA. 371+05 TO STA. 372+20
STA. 378+00 TO STA. 378+25

TREE REMOVAL (L.T.)
STA. 377+00
STA. 378+80
STA. 379+40
STA. 379+60

DRAWING TITLE: US 68
STA. 360+00.00 TO STA. 380+00.00



ITEM NO. COUNTY OF
1-9019 MARSHALL
SHEET NO.
Plan Sheet-19



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



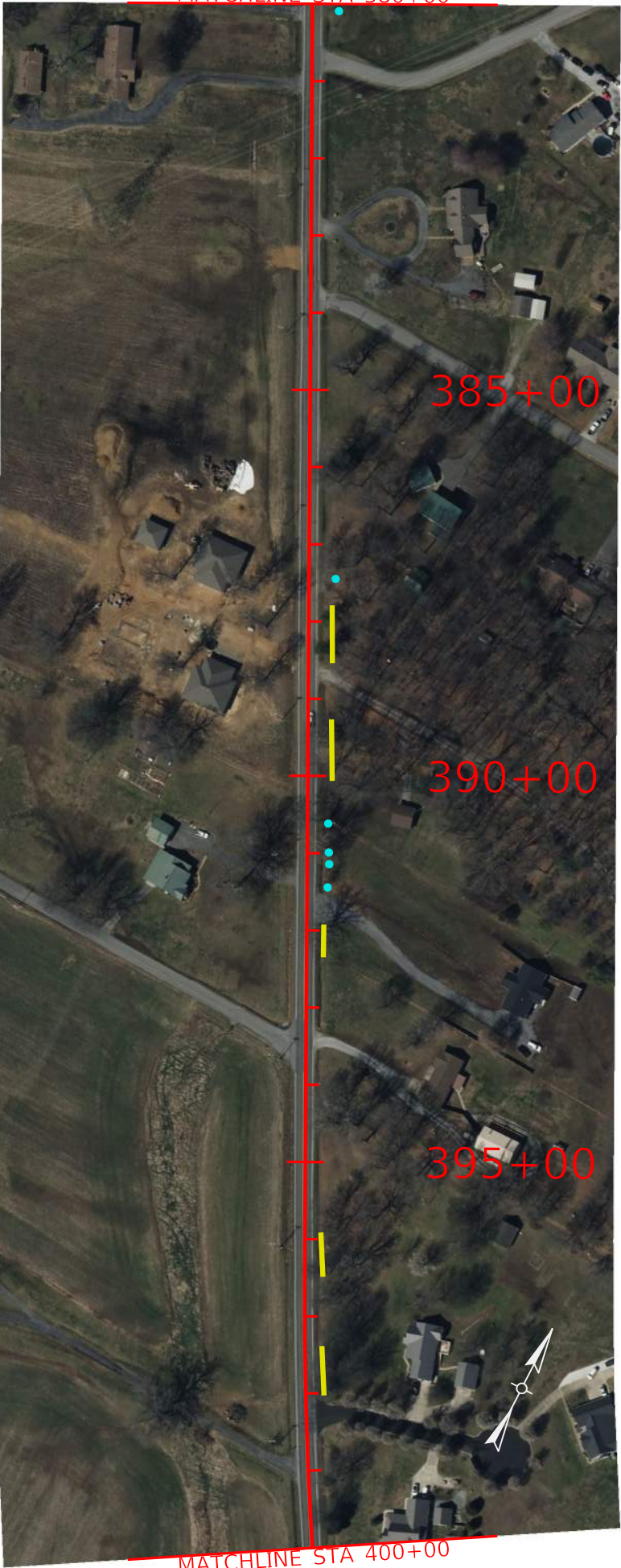
DRAWING TITLE: US 68

STA. 380+00.00 TO STA. 400+00.00



ITEM NO. 1-9019
SHEET NO. Plan Sheet 20
COUNTY OF MARSHALL

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAIDING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



TREE TRIMMING (L.T.)
STA. 387+80 TO STA. 388+55
STA. 389+25 TO STA. 390+05
STA. 391+90 TO STA. 392+35
STA. 395+90 TO STA. 396+50
STA. 397+40 TO STA. 398+05

TREE REMOVAL (L.T.)
STA. 380+10
STA. 387+45
STA. 390+60
STA. 391+00
STA. 391+15
STA. 391+45



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

STA. 400+00.00 TO STA. 420+00.00

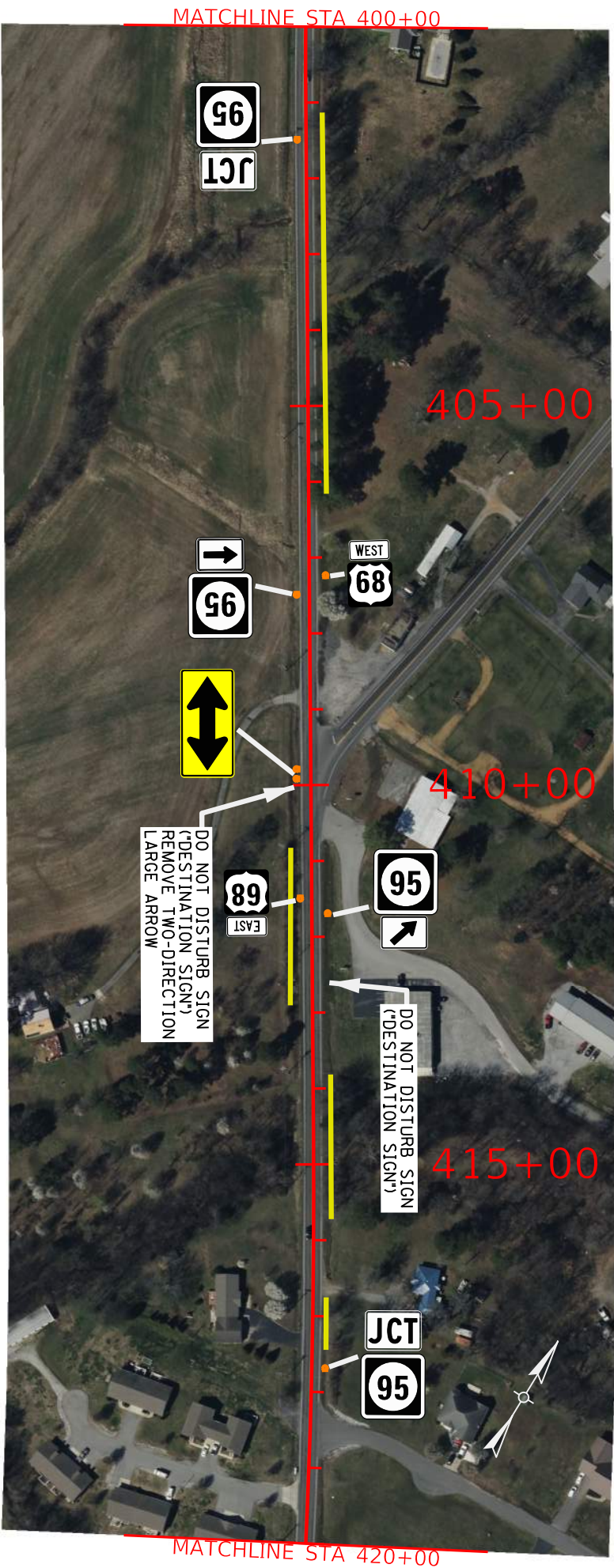


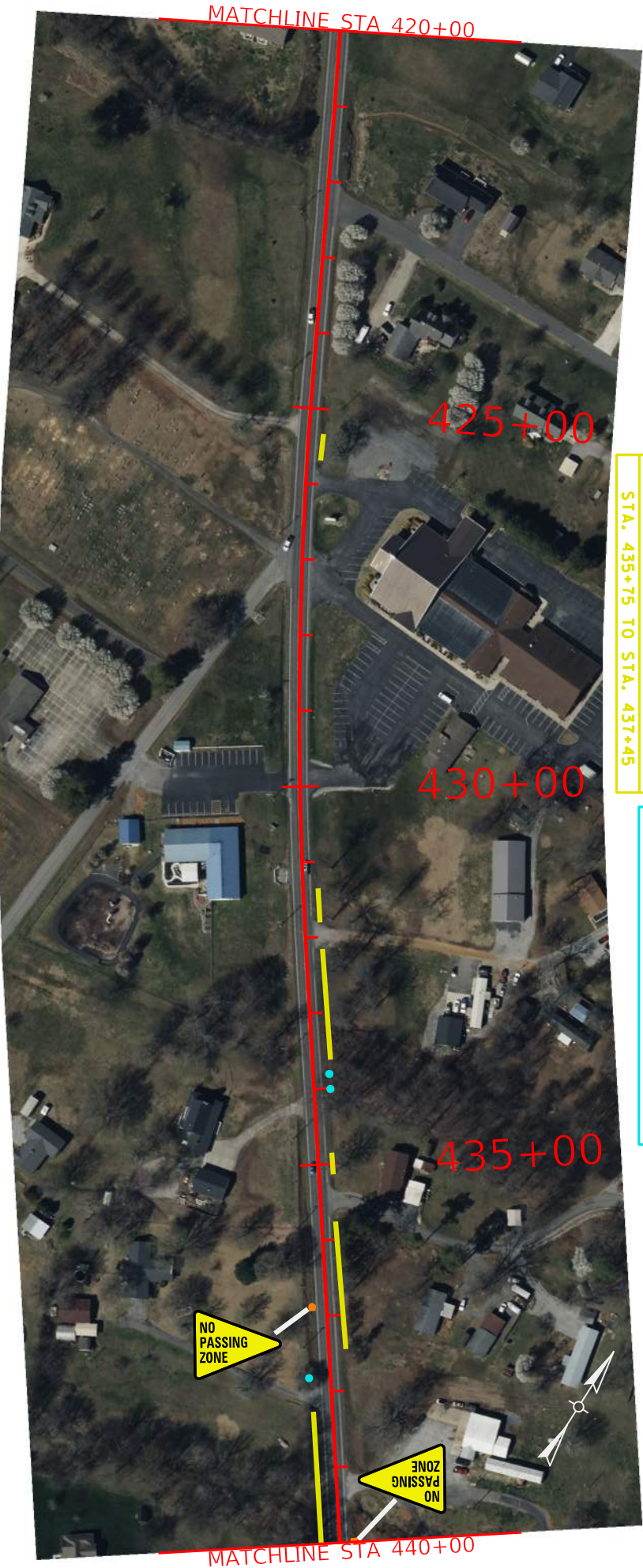
ITEM NO. 1-9019
SHEET NO. Plan Sheet 21
COUNTY OF MARSHALL

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)	
STA. 410+85 TO STA. 412+90	

TREE TRIMMING (LT.)	
STA. 401+15 TO STA. 406+15	
STA. 413+80 TO STA. 415+70	
STA. 416+75 TO STA. 417+45	





TREE TRIMMING (L.T.)
STA. 425+35 TO STA. 425+70
STA. 431+35 TO STA. 431+80
STA. 432+15 TO STA. 433+60
STA. 434+85 TO STA. 435+15
STA. 435+75 TO STA. 437+45

TREE REMOVAL (L.T.)
STA. 433+80
STA. 434+00

TREE REMOVAL (R.T.)
STA. 437+80

TREE TRIMMING (R.T.)
STA. 438+25 TO STA. 440+00

LEGEND
— SUPERELEVATION IMPROVEMENT
— ROADSIDE REGRAIDING
— TREE TRIMMING
— TREE REMOVAL
— DRAINAGE IMPROVEMENTS
— GUARDRAIL
— ACCESS MANAGEMENT

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: US 68
STA. 420+00.00 TO STA. 440+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-22	



TREE TRIMMING (LT.)	
STA. 443+00 TO STA. 444+10	
STA. 457+75 TO STA. 459+10	

TREE TRIMMING (RT.)	
STA. 440+00 TO STA. 440+20	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

MARSHALL - MCCracken COUNTIES

GR251002-HSIP



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

STA. 440+00.00 TO STA. 460+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-23	

USER: dengya

LEGEND

SUPERELEVATION IMPROVEMENT

ROADSIDE REGRADING

TREE TRIMMING

TREE REMOVAL

DRAINAGE IMPROVEMENTS

GUARDRAIL

ACCESS MANAGEMENT



TREE TRIMMING (L.T.)
STA. 461+40 TO STA. 461+75

TREE REMOVAL (L.T.)
STA. 479+20

0' 100' 200' 400'

HORIZONTAL SCALE: 1"=200'

ITEM NO. 1-9019

COUNTY OF MARSHALL

SHEET NO. Plan Sheet-24

LEGEND

SUPERELEVATION IMPROVEMENT

ROADSIDE REGRAIDING

TREE TRIMMING

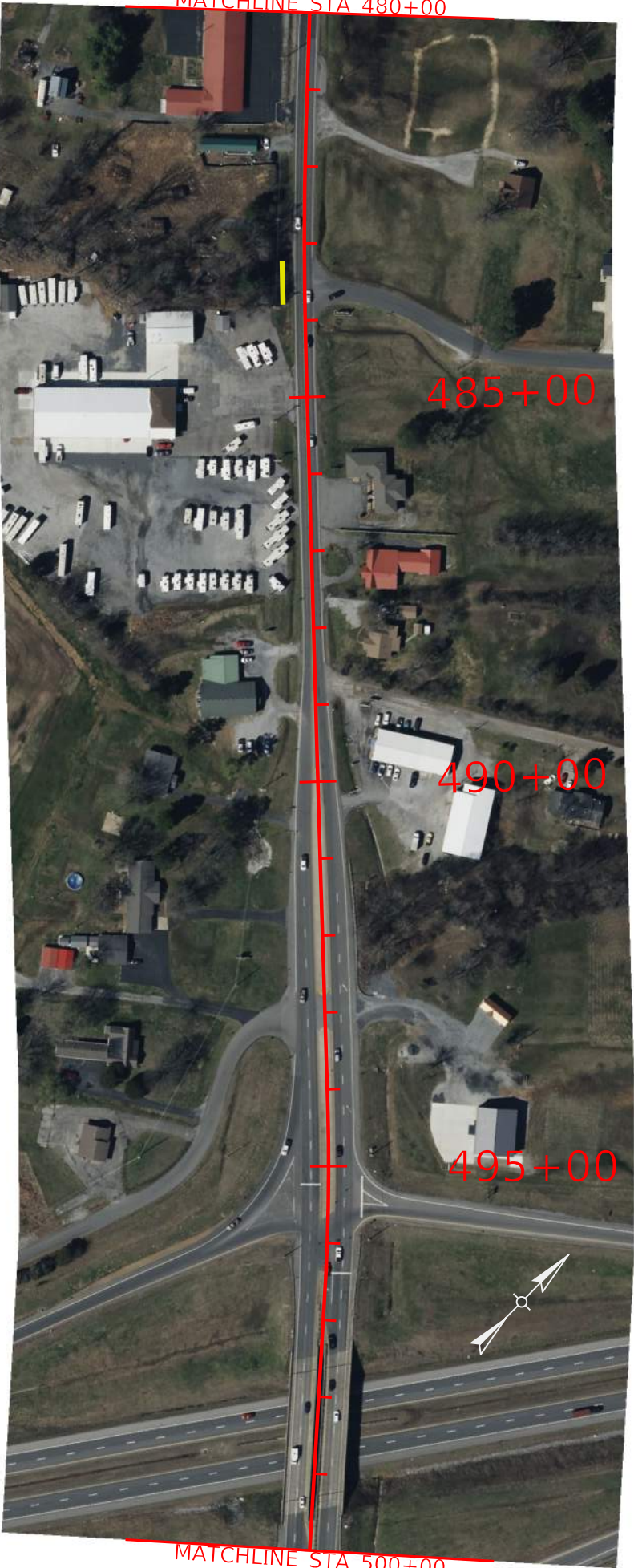
TREE REMOVAL

DRAINAGE IMPROVEMENTS

GUARDRAIL

ACCESS MANAGEMENT

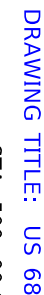
TREE TRIMMING (RT.)
STA. 483+25 TO STA. 483+80



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet 25	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA. 500+00.0

STA. 500+00.00 TO STA. 520+00.00



HORIZONTAL SCALE: 1"=200'

ITEM NO.	COUNTY OF
1-9019	MARSHALL

SHEET NO.

Plan Sheet-26

ITEM NO.	COUNTY OF
1-9019	MARSHALL

MARSHALL

Plan Sheet-26



MATCHLINE STA 500+00

505+00

510+00

$$515 + 00$$

MATCHLINE STA 520+00



LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAIDING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (L.T.)
STA. 538+30 TO STA. 538+90

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68
STA. 520+00.00 TO STA. 540+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-27	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



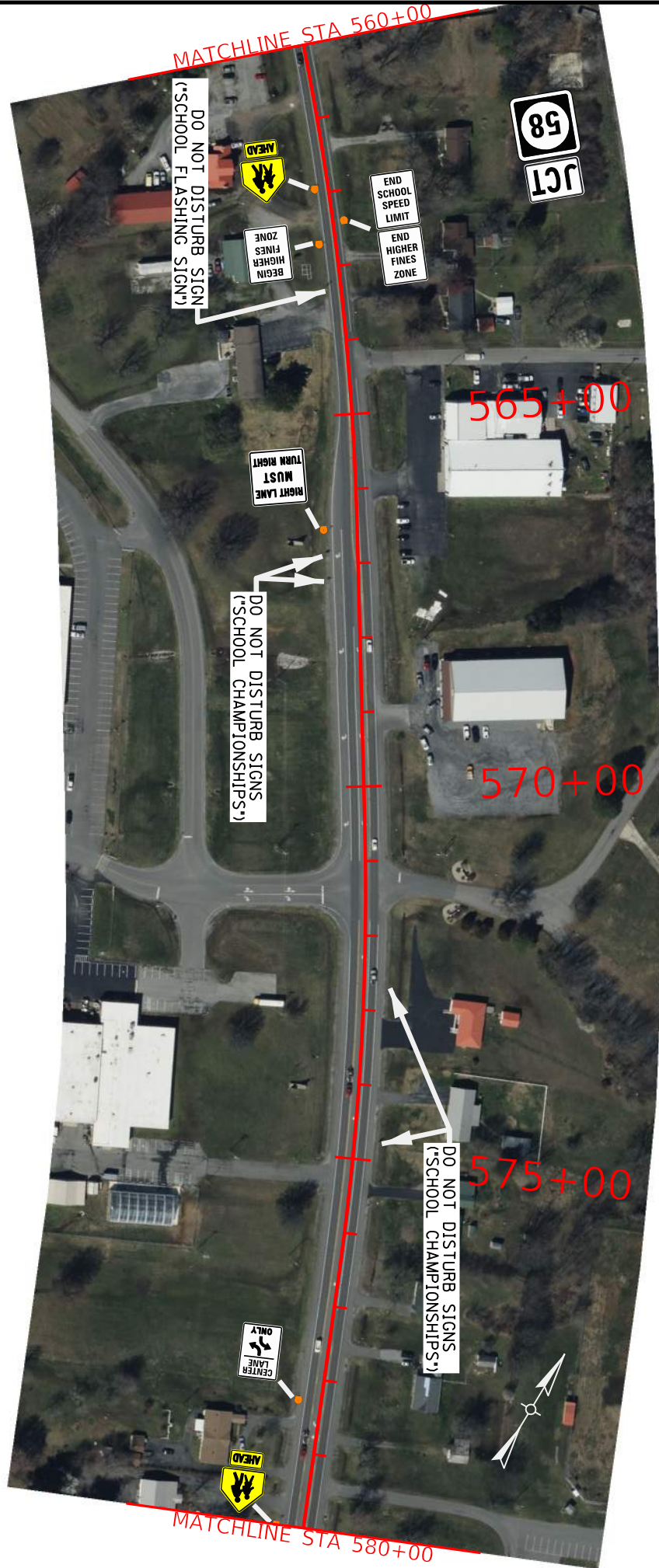
DRAWING TITLE: US 68

STA. 560+00.00 TO STA. 580+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-29	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



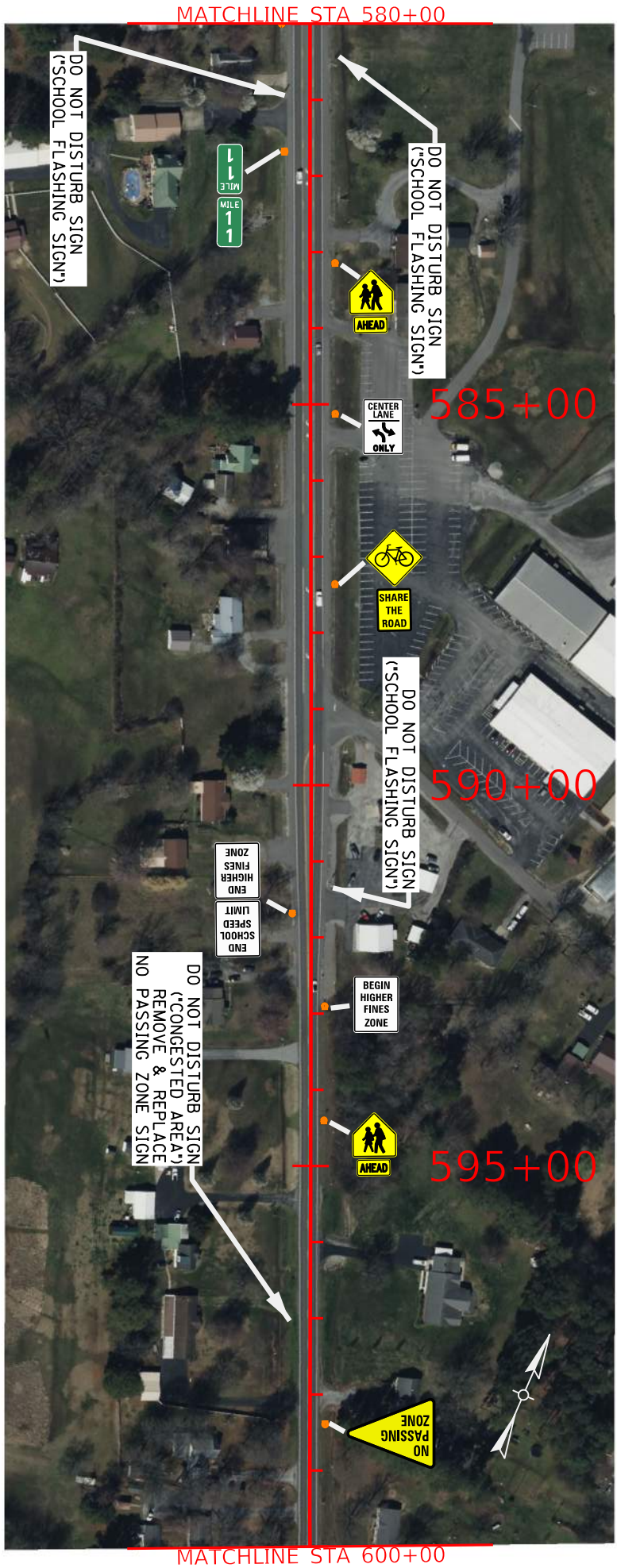
DRAWING TITLE: US 68

STA. 580+00.00 TO STA. 600+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-30	

LEGEND	
—	SUPERELEVATION IMPROVEMENT
—	ROADSIDE REGRAVING
—	TREE TRIMMING
—	TREE REMOVAL
—	DRAINAGE IMPROVEMENTS
—	GUARDRAIL
—	ACCESS MANAGEMENT





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

STA. 600+00.00 TO STA. 620+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet 31	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



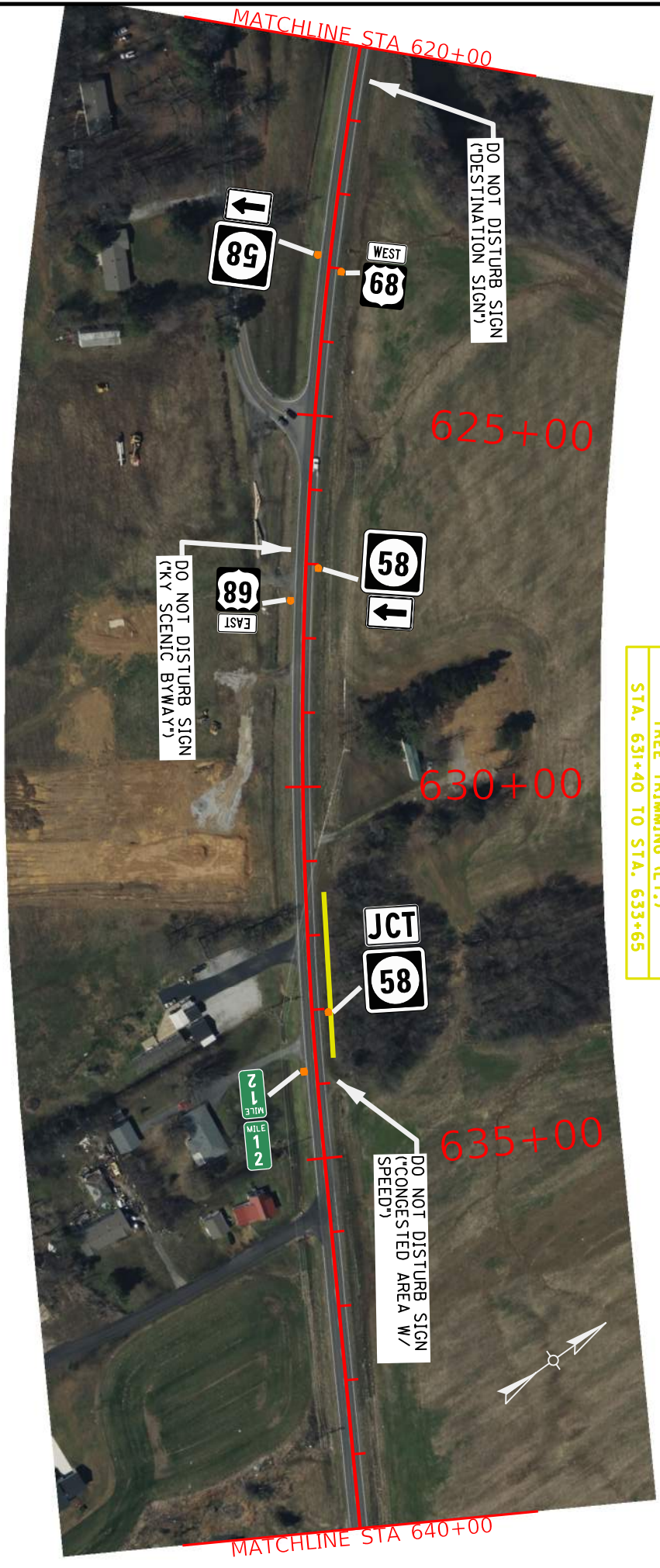
DRAWING TITLE: US 68

STA. 620+00.00 TO STA. 640+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-32	

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT



TREE TRIMMING (L.T.)
STA. 631+40 TO STA. 633+65



TREE REMOVAL (L.T.)
STA. 642+90

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

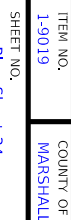
GR251002-HSIP



DRAWING TITLE: US 68
STA. 640+00.00 TO STA. 660+00.00

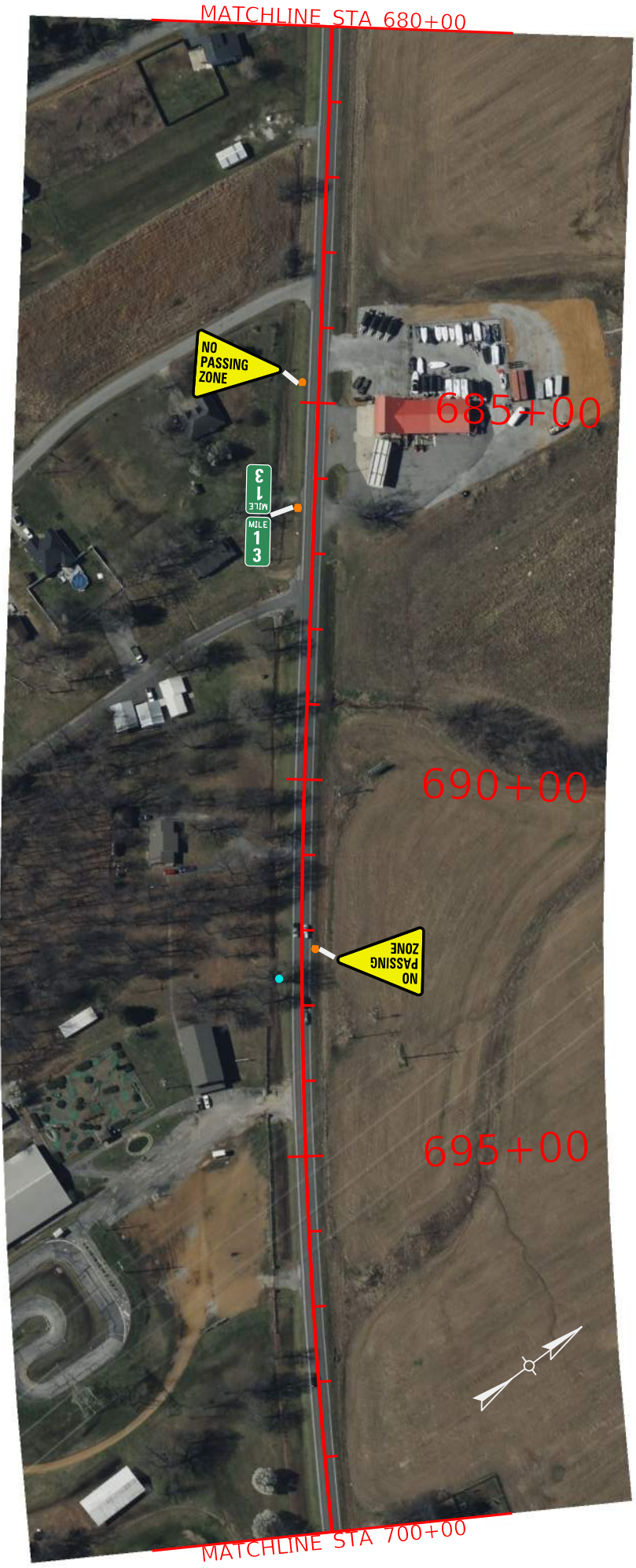


ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-33	




SUPERELEVATION IMPROVE
ROADSIDE REGRADING
TREE TRIMMING
TREE REMOVAL
DRAINAGE IMPROVEMENTS
GUARDRAIL
ACCESS MANAGEMENT





LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE REMOVAL (RT.)
STA. 692+65



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

OpenRoads Designer v10.12.02.4
FILE NAME: C:\TWP\PMWSE\001215121-0019_PLANS\HETS1.DGN

USER: dengya



DRAWING TITLE: US 68
STA. 680+00.00 TO STA. 700+00.00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-35	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: US 68

STA. 700+00.00 TO STA. 720+00.00









ITEM NO.	COUNTY OF
1-9019	MARSHALL

SHEET NO.

Plan Sheet-36

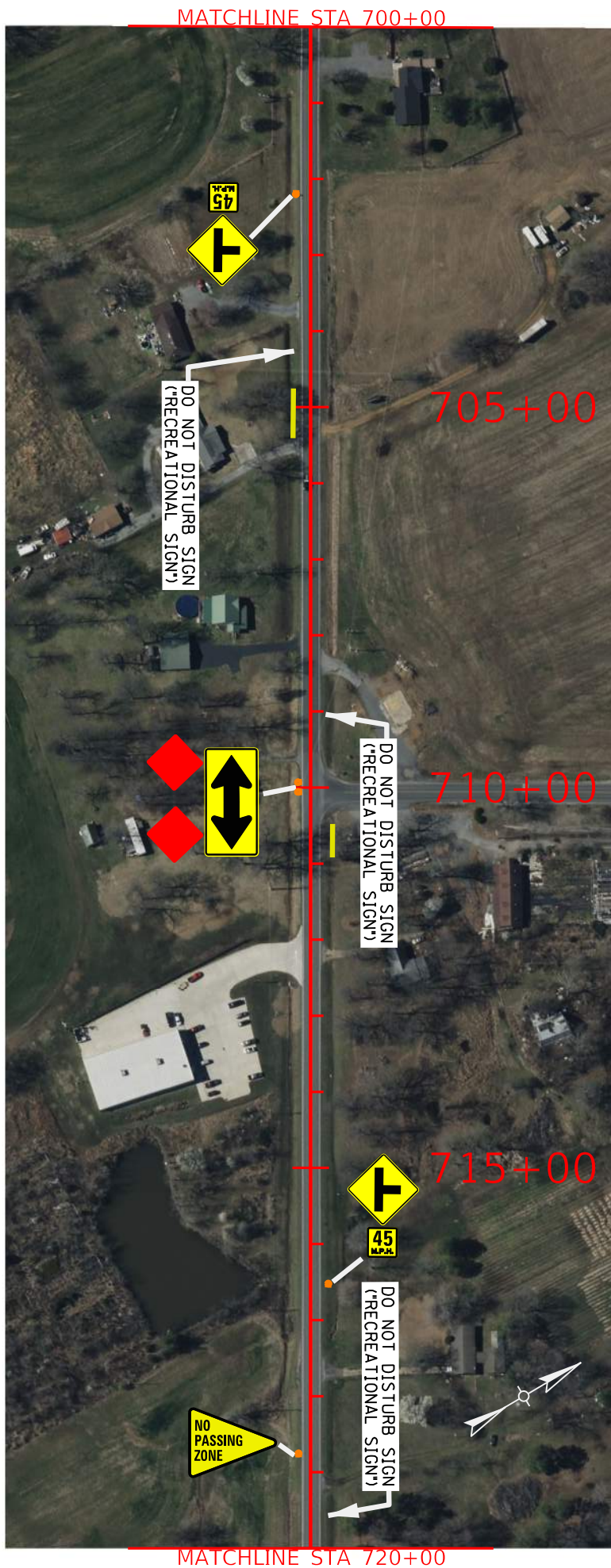
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LEGEND

	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGADING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)
 STA. 704+75 TO STA. 705+40

STATION 710+50 TO STATION 710+90



MATCHLINE STA 720+00

LEGEND	
	SUPERELEVATION IMPROVEMENT
	ROADSIDE REGRAVING
	TREE TRIMMING
	TREE REMOVAL
	DRAINAGE IMPROVEMENTS
	GUARDRAIL
	ACCESS MANAGEMENT

TREE TRIMMING (RT.)
STA. 732+80 TO STA. 735+55

TREE TRIMMING (L.T.)
STA. 729+70 TO STA. 731+95
STA. 735+60 TO STA. 736+00



ITEM NO.	COUNTY OF
1-9019	MARSHALL
SHEET NO.	
Plan Sheet-37	

PART II

SPECIFICATIONS AND STANDARD DRAWINGS

STANDARD SPECIFICATIONS

Any reference in the plans or proposal to previous editions of the *Standard Specifications for Road and Bridge Construction* and *Standard Drawings* are superseded by *Standard Specifications for Road and Bridge Construction, Edition of 2019* and *Standard Drawings, Edition of 2020*.

SUPPLEMENTAL SPECIFICATIONS

The contractor shall use the Supplemental Specifications that are effective at the time of letting. The Supplemental Specifications can be found at the following link:
<http://transportation.ky.gov/Construction/Pages/Kentucky-Standard-Specifications.aspx>

SPECIAL NOTE FOR BARCODE LABEL ON PERMANENT SIGNS

1.0 DESCRIPTION. Install barcode label on sheeting signs. Section references herein are to the Department’s Standard Specifications for Road and Bridge Construction, current edition.

2.0 MATERIALS. The Department will provide the Contractor with a 2 inch x 1 inch foil barcode label for each permanent sheeting sign. A unique number will be assigned to each barcode label.

The Contractor shall contact the Operations and Pavement Management Branch in the Division of Maintenance at (502) 564-4556 to obtain the barcode labels.

3.0 CONSTRUCTION. Apply foil barcode label in the lower right quadrant of the sign back. Signs where the bottom edge is not parallel to the ground, the lowest corner of the sign shall serve as the location to place the barcode label. The barcode label shall be placed no less than one-inch and no more than three inches from any edge of the sign. The barcode must be placed so that the sign post does not cover the barcode label.

Barcodes shall be applied in an indoor setting with a minimum air temperature of 50°F or higher. Prior to application of the barcode label, the back of the sign must be clean and free of dust, oil, etc. If the sign is not clean, an alcohol swab shall be used to clean the area. The area must be allowed to dry prior to placement of the barcode label.

Data for each sign shall include the barcode number, MUTCD reference number, sheeting manufacturer, sheeting type, manufacture date, color of primary reflective surface, installation date, latitude and longitude using the North American Datum of 1983 (NAD83) or the State Plane Coordinates using an x and y ordinate of the installed location.

Data should be provided electronically on the TC 71-229 Sign Details Information and TC 71-230 Sign Assembly Information forms. The Contractor may choose to present the data in a different format provided that the information submitted to the Department is equivalent to the information required on the Department TC forms. The forms must be submitted in electronic format regardless of which type of form is used. The Department will not accept PDF or handwritten forms. These completed forms must be submitted to the Department prior to final inspection of the signs. The Department will not issue formal acceptance for the project until the TC 71-229 and TC-230 electronic forms are completed for all signs and sign assemblies on the project.

4.0 MEASUREMENT. The Department will measure all work required for the installation of the barcode label and all work associated with completion and submission of the sign inventory data (TC 71-229 and TC 71-230).

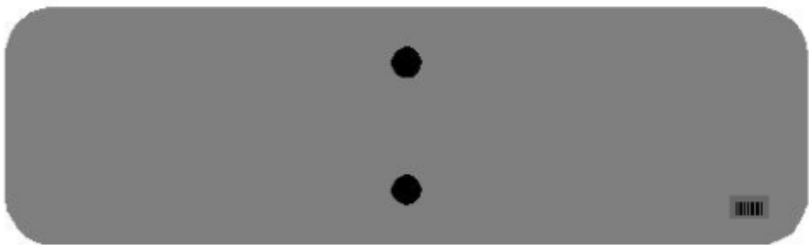
The installation of the permanent sign will be measured in accordance to Section 715.

5.0 PAYMENT. The Department will make payment for the completed and accepted quantities under the following:

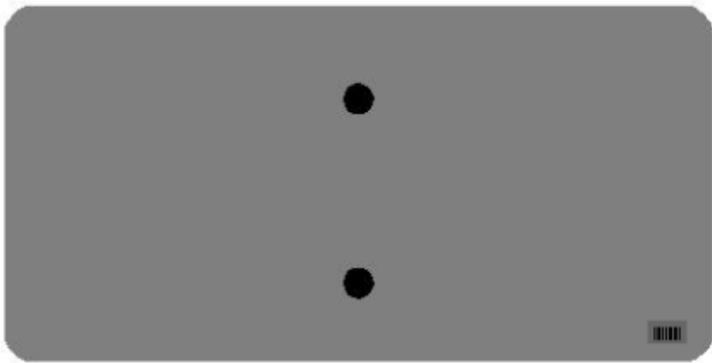
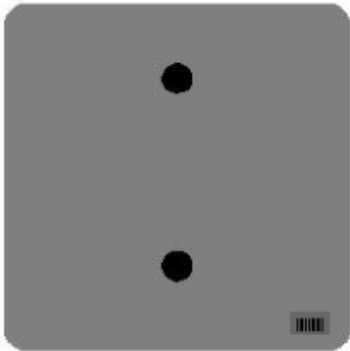
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24631EC	Barcode Sign Inventory	Each

The Department will not make payment for this item until all barcodes are installed and sign inventory is complete on every permanent sign installed on the project. The Department will make payment for installation of the permanent sign in accordance to Section 715. The Department will consider payment as full compensation for all work required under this special note.

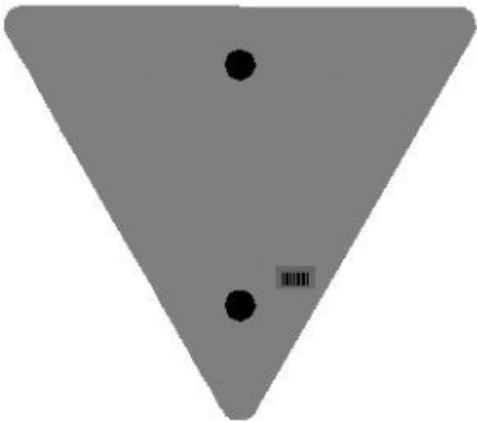
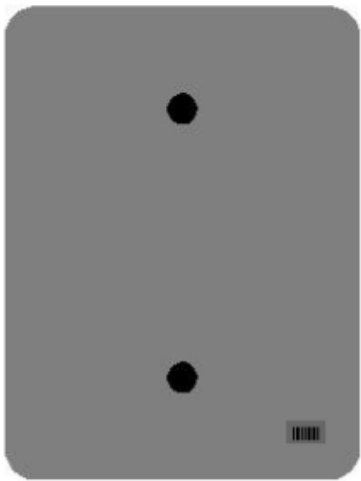
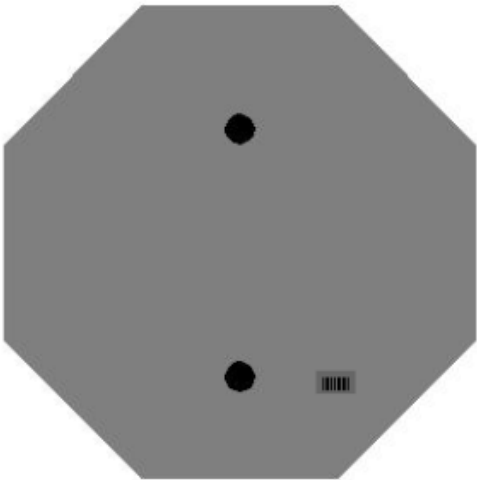
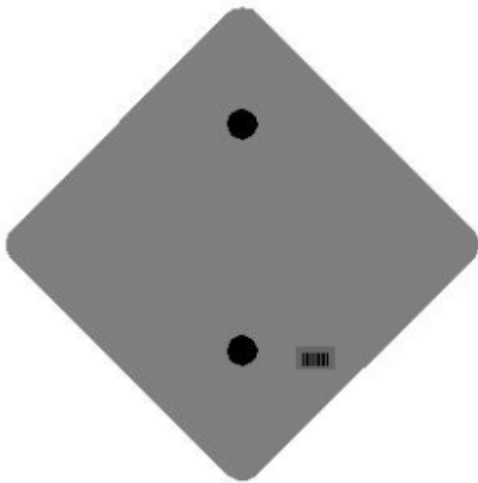
One Sign Post



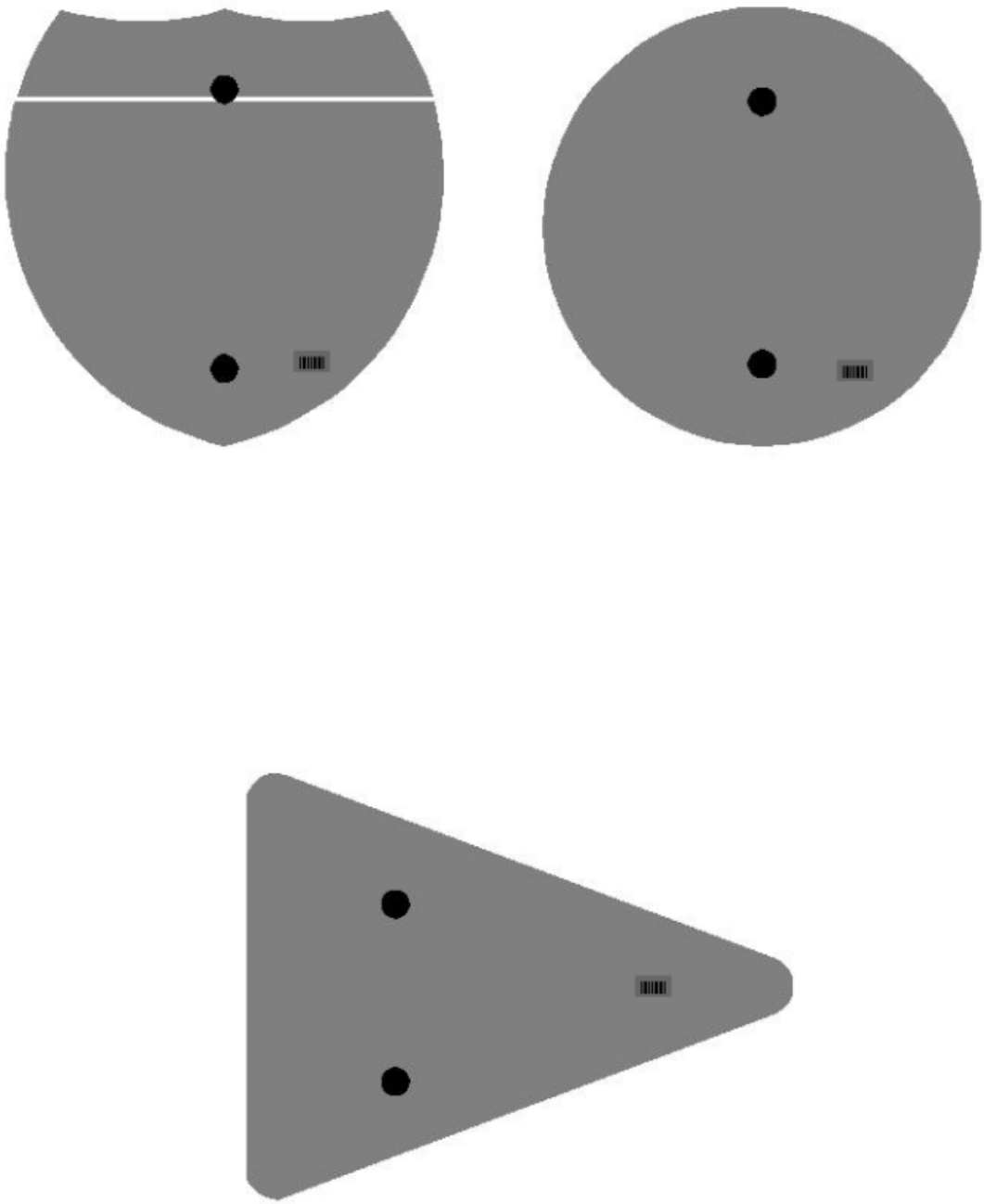
↑
2" Wide Post



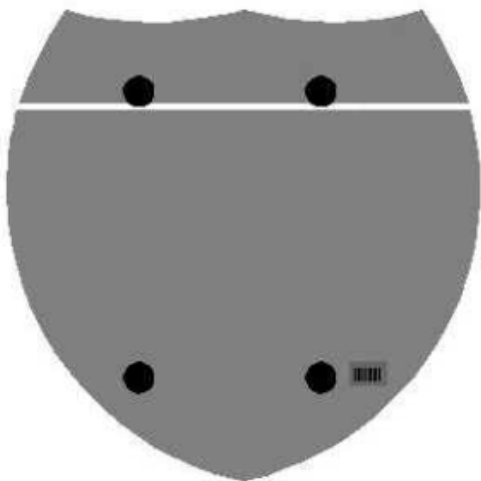
One Sign Post



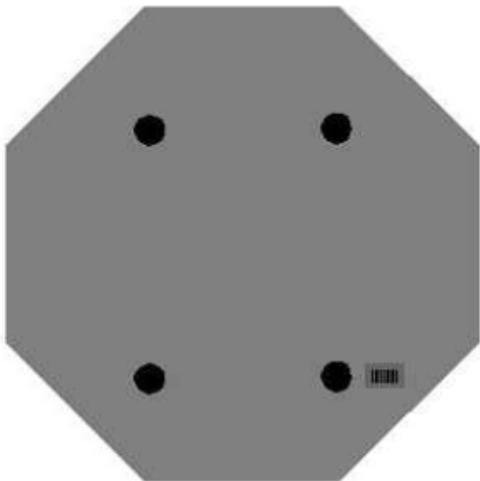
One Sign Post



Double Sign Post

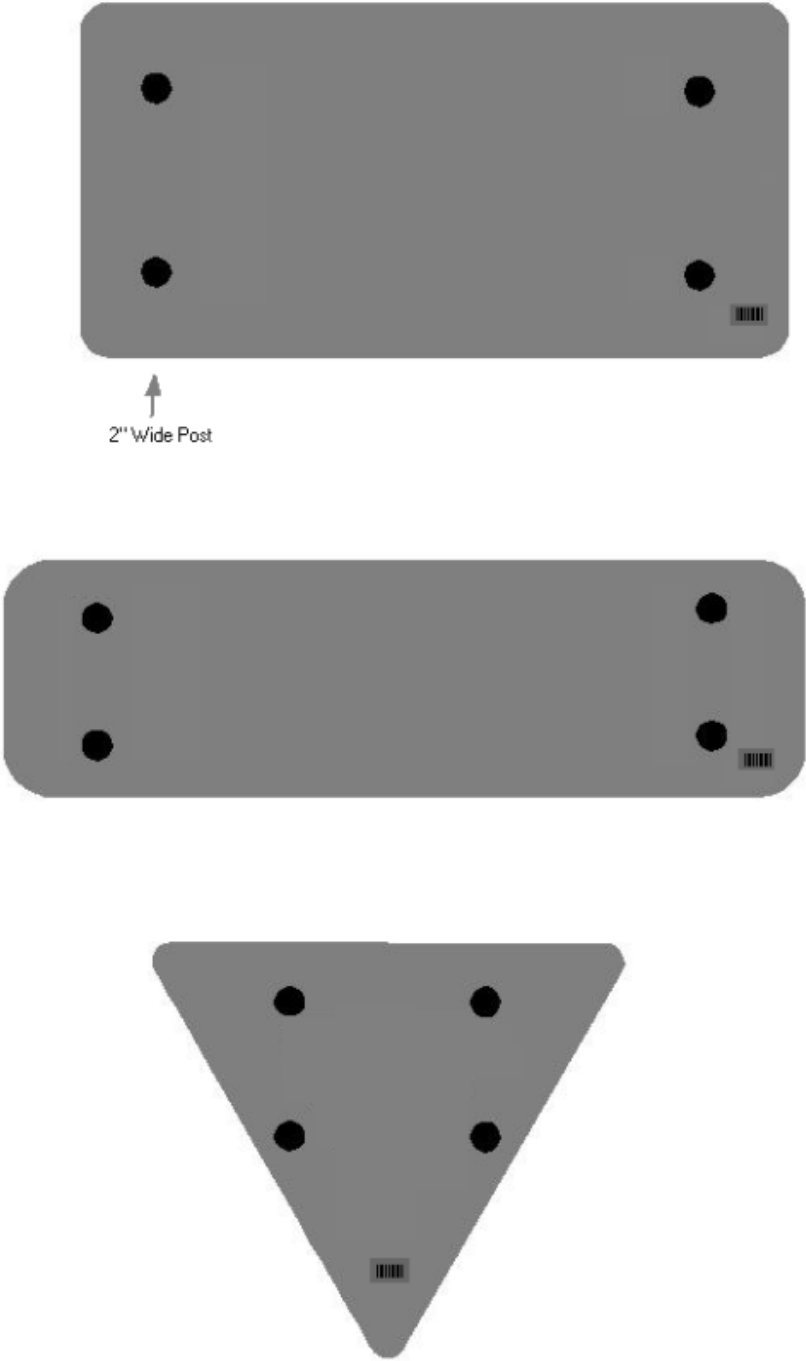


Interstate
Shield



48" Stop

2 Post Signs



2020 STANDARD DRAWINGS THAT APPLY

ROADWAY

~ BARRIERS ~

TYPICAL BARRIER INSTALLATIONS

TYPICAL GUARDRAIL INSTALLATIONS.....	RBI-001-12
TYPICAL GUARDRAIL INSTALLATIONS.....	RBI-002-07
INSTALLATION OF GUARDRAIL END TREATMENT TYPE 1	RBI-004-06

GUARDRAIL HARDWARE

STEEL BEAM GUARDRAIL (W-BEAM)	RBR-001-13
GUARDRAIL COMPONENTS	RBR-005-11
GUARDRAIL TERMINAL SECTIONS	RBR-010-06
STEEL GUARDRAIL POSTS	RBR-015-06
GUARDRAIL END TREATMENT TYPE 1	Sepia 034
DELINEATORS FOR GUARDRAIL.....	RBR-005-01

~ DRAINAGE ~

TYPICAL DRAINAGE INSTALLATIONS

CULVERT, ENTRANCE & STORM SEWER PIPE TYPES & COVER HEIGHTS (12" – 24" PIPE)	RDI-001-10
PIPE BEDDING FOR CULVERTS, ENTRANCE, AND STORM SEWER PIPE	RDI-020-10
PIPE BEDDING FOR CULVERTS, ENTRANCE, AND STORM SEWER, REINFORCED CONC. PIPE	RDI-021-01
PIPE BEDDING, TRENCH CONDITION	RDI-025-06
PIPE BEDDING, TRENCH CONDITION, REINFORCED CONC. PIPE	RDI-026-01
EROSION CONTROL BLANKET SLOPE INSTALLATION.....	Sepia 022
EROSION CONTROL BLANKET CHANNEL INSTALLATION	Sepia 023
BEDDING FOR PRECAST BOX CULVERTS, SEWERS, STORM DRAINS, AND THEIR COMBINATIONS.....	RDI-120-04

~ GENERAL ~

MISCELLANEOUS STANDARDS

MISCELLANEOUS STANDARDS.....	RGX-001-06
TYPE D BREAKAWAY SIGN SUPPORT	RGX-065-02

TRAFFIC

~ PERMANENT ~

MARKERS

PAVEMENT STRIPING DETAILS FOR TWO LANE TWO WAY ROADWAYS.....	Sepia 017
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RUMBLE STRIPS

SHOULDER & EDGELINE RUMBLE STRIPS PLACEMENT DETAILS	Sepia 028
EDGELINE RUMBLE STRIP DETAILS TWO LANE ROADWAYS.....	Sepia 029

Standard Drawings That Apply
Page 2 of 2

~ **TEMPORARY** ~
TRAFFIC CONTROL

LANE CLOSURE TWO-LANE HIGHWAY	TTC-100-05
SHOULDER CLOSURE	TTC-135-03

DEVICES

DOUBLE FINES ZONE SIGNS	TTD-120-03
PAVEMENT CONDITION WARNING SIGNS	TTD-125-03
SPEED ZONE SIGNING FOR WORK ZONES	TTD-130

STRIPING OPERATIONS

MOBILE OPERATION FOR PAINT STRIPING CASE I.....	TTS-100-02
MOBILE OPERATION FOR PAINT STRIPING CASE II.....	TTS-105-02

PART III

EMPLOYMENT, WAGE AND RECORD REQUIREMENTS

FHWA-1273 – Revised October 23, 2023

REQUIRED CONTRACT PROVISIONS FEDERAL-AID CONSTRUCTION CONTRACTS

- I. General
- II. Nondiscrimination
- III. Non-segregated Facilities
- IV. Davis-Bacon and Related Act Provisions
- V. Contract Work Hours and Safety Standards Act Provisions
- VI. Subletting or Assigning the Contract
- VII. Safety: Accident Prevention
- VIII. False Statements Concerning Highway Projects
- IX. Implementation of Clean Air Act and Federal Water Pollution Control Act
- X. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion
- XI. Certification Regarding Use of Contract Funds for Lobbying
- XII. Use of United States-Flag Vessels:

ATTACHMENTS

A. Employment and Materials Preference for Appalachian Development Highway System or Appalachian Local Access Road Contracts (included in Appalachian contracts only)

I. GENERAL

1. Form FHWA-1273 must be physically incorporated in each construction contract funded under title 23, United States Code, as required in 23 CFR 633.102(b) (excluding emergency contracts solely intended for debris removal). The contractor (or subcontractor) must insert this form in each subcontract and further require its inclusion in all lower tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services). 23 CFR 633.102(e).

The applicable requirements of Form FHWA-1273 are incorporated by reference for work done under any purchase order, rental agreement or agreement for other services. The prime contractor shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider. 23 CFR 633.102(e).

Form FHWA-1273 must be included in all Federal-aid design-build contracts, in all subcontracts and in lower tier subcontracts (excluding subcontracts for design services, purchase orders, rental agreements and other agreements for supplies or services) in accordance with 23 CFR 633.102. The design-builder shall be responsible for compliance by any subcontractor, lower-tier subcontractor or service provider.

Contracting agencies may reference Form FHWA-1273 in solicitation-for-bids or request-for-proposals documents, however, the Form FHWA-1273 must be physically incorporated (not referenced) in all contracts, subcontracts and lower-tier subcontracts (excluding purchase orders, rental agreements and other agreements for supplies or services related to a construction contract). 23 CFR 633.102(b).

2. Subject to the applicability criteria noted in the following sections, these contract provisions shall apply to all work

performed on the contract by the contractor's own organization and with the assistance of workers under the contractor's immediate superintendence and to all work performed on the contract by piecework, station work, or by subcontract. 23 CFR 633.102(d).

3. A breach of any of the stipulations contained in these Required Contract Provisions may be sufficient grounds for withholding of progress payments, withholding of final payment, termination of the contract, suspension / debarment or any other action determined to be appropriate by the contracting agency and FHWA.

4. Selection of Labor: During the performance of this contract, the contractor shall not use convict labor for any purpose within the limits of a construction project on a Federal-aid highway unless it is labor performed by convicts who are on parole, supervised release, or probation. 23 U.S.C. 114(b). The term Federal-aid highway does not include roadways functionally classified as local roads or rural minor collectors. 23 U.S.C. 101(a).

II. NONDISCRIMINATION (23 CFR 230.107(a); 23 CFR Part 230, Subpart A, Appendix A; EO 11246)

The provisions of this section related to 23 CFR Part 230, Subpart A, Appendix A are applicable to all Federal-aid construction contracts and to all related construction subcontracts of \$10,000 or more. The provisions of 23 CFR Part 230 are not applicable to material supply, engineering, or architectural service contracts.

In addition, the contractor and all subcontractors must comply with the following policies: Executive Order 11246, 41 CFR Part 60, 29 CFR Parts 1625-1627, 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The contractor and all subcontractors must comply with: the requirements of the Equal Opportunity Clause in 41 CFR 60-1.4(b) and, for all construction contracts exceeding \$10,000, the Standard Federal Equal Employment Opportunity Construction Contract Specifications in 41 CFR 60-4.3.

Note: The U.S. Department of Labor has exclusive authority to determine compliance with Executive Order 11246 and the policies of the Secretary of Labor including 41 CFR Part 60, and 29 CFR Parts 1625-1627. The contracting agency and the FHWA have the authority and the responsibility to ensure compliance with 23 U.S.C. 140, Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. 794), and Title VI of the Civil Rights Act of 1964, as amended (42 U.S.C. 2000d et seq.), and related regulations including 49 CFR Parts 21, 26, and 27; and 23 CFR Parts 200, 230, and 633.

The following provision is adopted from 23 CFR Part 230, Subpart A, Appendix A, with appropriate revisions to conform to the U.S. Department of Labor (US DOL) and FHWA requirements.

1. Equal Employment Opportunity: Equal Employment Opportunity (EEO) requirements not to discriminate and to take affirmative action to assure equal opportunity as set forth under laws, executive orders, rules, regulations (see 28 CFR Part 35, 29 CFR Part 1630, 29 CFR Parts 1625-1627, 41 CFR Part 60 and 49 CFR Part 27) and orders of the Secretary of Labor as modified by the provisions prescribed herein, and imposed pursuant to 23 U.S.C. 140, shall constitute the EEO and specific affirmative action standards for the contractor's project activities under this contract. The provisions of the Americans with Disabilities Act of 1990 (42 U.S.C. 12101 et seq.) set forth under 28 CFR Part 35 and 29 CFR Part 1630 are incorporated by reference in this contract. In the execution of this contract, the contractor agrees to comply with the following minimum specific requirement activities of EEO:

a. The contractor will work with the contracting agency and the Federal Government to ensure that it has made every good faith effort to provide equal opportunity with respect to all of its terms and conditions of employment and in their review of activities under the contract. 23 CFR 230.409 (g)(4) & (5).

b. The contractor will accept as its operating policy the following statement:

"It is the policy of this Company to assure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, sexual orientation, gender identity, color, national origin, age or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

2. EEO Officer: The contractor will designate and make known to the contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active EEO program and who must be assigned adequate authority and responsibility to do so.

3. Dissemination of Policy: All members of the contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action or are substantially involved in such action, will be made fully cognizant of and will implement the contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:

a. Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer or other knowledgeable company official.

b. All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the contractor's EEO obligations within thirty days following their reporting for duty with the contractor.

c. All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the contractor's procedures for locating and hiring minorities and women.

d. Notices and posters setting forth the contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.

e. The contractor's EEO policy and the procedures to implement such policy will be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

4. Recruitment: When advertising for employees, the contractor will include in all advertisements for employees the notation: "An Equal Opportunity Employer." All such advertisements will be placed in publications having a large circulation among minorities and women in the area from which the project work force would normally be derived.

a. The contractor will, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minorities and women. To meet this requirement, the contractor will identify sources of potential minority group employees and establish with such identified sources procedures whereby minority and women applicants may be referred to the contractor for employment consideration.

b. In the event the contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, the contractor is expected to observe the provisions of that agreement to the extent that the system meets the contractor's compliance with EEO contract provisions. Where implementation of such an agreement has the effect of discriminating against minorities or women, or obligates the contractor to do the same, such implementation violates Federal nondiscrimination provisions.

c. The contractor will encourage its present employees to refer minorities and women as applicants for employment. Information and procedures with regard to referring such applicants will be discussed with employees.

5. Personnel Actions: Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, shall be taken without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age or disability. The following procedures shall be followed:

a. The contractor will conduct periodic inspections of project sites to ensure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.

b. The contractor will periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.

c. The contractor will periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the contractor will promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.

d. The contractor will promptly investigate all complaints of alleged discrimination made to the contractor in connection with its obligations under this contract, will attempt to resolve such complaints, and will take appropriate corrective action

within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the contractor will inform every complainant of all of their avenues of appeal.

6. Training and Promotion:

a. The contractor will assist in locating, qualifying, and increasing the skills of minorities and women who are applicants for employment or current employees. Such efforts should be aimed at developing full journey level status employees in the type of trade or job classification involved.

b. Consistent with the contractor's work force requirements and as permissible under Federal and State regulations, the contractor shall make full use of training programs (i.e., apprenticeship and on-the-job training programs for the geographical area of contract performance). In the event a special provision for training is provided under this contract, this subparagraph will be superseded as indicated in the special provision. The contracting agency may reserve training positions for persons who receive welfare assistance in accordance with 23 U.S.C. 140(a).

c. The contractor will advise employees and applicants for employment of available training programs and entrance requirements for each.

d. The contractor will periodically review the training and promotion potential of employees who are minorities and women and will encourage eligible employees to apply for such training and promotion.

7. Unions: If the contractor relies in whole or in part upon unions as a source of employees, the contractor will use good faith efforts to obtain the cooperation of such unions to increase opportunities for minorities and women. 23 CFR 230.409. Actions by the contractor, either directly or through a contractor's association acting as agent, will include the procedures set forth below:

a. The contractor will use good faith efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minorities and women for membership in the unions and increasing the skills of minorities and women so that they may qualify for higher paying employment.

b. The contractor will use good faith efforts to incorporate an EEO clause into each union agreement to the end that such union will be contractually bound to refer applicants without regard to their race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability.

c. The contractor is to obtain information as to the referral practices and policies of the labor union except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the contractor, the contractor shall so certify to the contracting agency and shall set forth what efforts have been made to obtain such information.

d. In the event the union is unable to provide the contractor with a reasonable flow of referrals within the time limit set forth in the collective bargaining agreement, the contractor will, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and women. The failure of a union to provide

sufficient referrals (even though it is obligated to provide exclusive referrals under the terms of a collective bargaining agreement) does not relieve the contractor from the requirements of this paragraph. In the event the union referral practice prevents the contractor from meeting the obligations pursuant to Executive Order 11246, as amended, and these special provisions, such contractor shall immediately notify the contracting agency.

8. Reasonable Accommodation for Applicants /

Employees with Disabilities: The contractor must be familiar with the requirements for and comply with the Americans with Disabilities Act and all rules and regulations established thereunder. Employers must provide reasonable accommodation in all employment activities unless to do so would cause an undue hardship.

9. Selection of Subcontractors, Procurement of Materials and Leasing of Equipment:

The contractor shall not discriminate on the grounds of race, color, religion, sex, sexual orientation, gender identity, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment. The contractor shall take all necessary and reasonable steps to ensure nondiscrimination in the administration of this contract.

a. The contractor shall notify all potential subcontractors, suppliers, and lessors of their EEO obligations under this contract.

b. The contractor will use good faith efforts to ensure subcontractor compliance with their EEO obligations.

10. Assurances Required:

a. The requirements of 49 CFR Part 26 and the State DOT's FHWA-approved Disadvantaged Business Enterprise (DBE) program are incorporated by reference.

b. The contractor, subrecipient or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The contractor shall carry out applicable requirements of 49 CFR part 26 in the award and administration of DOT-assisted contracts. Failure by the contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (1) Withholding monthly progress payments;
- (2) Assessing sanctions;
- (3) Liquidated damages; and/or
- (4) Disqualifying the contractor from future bidding as non-responsible.

c. The Title VI and nondiscrimination provisions of U.S. DOT Order 1050.2A at Appendixes A and E are incorporated by reference. 49 CFR Part 21.

11. Records and Reports: The contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following the date of the final payment to the contractor for all contract work and shall be available at reasonable times and places for inspection by authorized representatives of the contracting agency and the FHWA.

a. The records kept by the contractor shall document the following:

(1) The number and work hours of minority and non-minority group members and women employed in each work classification on the project;

(2) The progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and women; and

(3) The progress and efforts being made in locating, hiring, training, qualifying, and upgrading minorities and women.

b. The contractors and subcontractors will submit an annual report to the contracting agency each July for the duration of the project indicating the number of minority, women, and non-minority group employees currently engaged in each work classification required by the contract work. This information is to be reported on [Form FHWA-1391](#). The staffing data should represent the project work force on board in all or any part of the last payroll period preceding the end of July. If on-the-job training is being required by special provision, the contractor will be required to collect and report training data. The employment data should reflect the work force on board during all or any part of the last payroll period preceding the end of July.

III. NONSEGREGATED FACILITIES

This provision is applicable to all Federal-aid construction contracts and to all related construction subcontracts of more than \$10,000. 41 CFR 60-1.5.

As prescribed by 41 CFR 60-1.8, the contractor must ensure that facilities provided for employees are provided in such a manner that segregation on the basis of race, color, religion, sex, sexual orientation, gender identity, or national origin cannot result. The contractor may neither require such segregated use by written or oral policies nor tolerate such use by employee custom. The contractor's obligation extends further to ensure that its employees are not assigned to perform their services at any location under the contractor's control where the facilities are segregated. The term "facilities" includes waiting rooms, work areas, restaurants and other eating areas, time clocks, restrooms, washrooms, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing provided for employees. The contractor shall provide separate or single-user restrooms and necessary dressing or sleeping areas to assure privacy between sexes.

IV. DAVIS-BACON AND RELATED ACT PROVISIONS

This section is applicable to all Federal-aid construction projects exceeding \$2,000 and to all related subcontracts and lower-tier subcontracts (regardless of subcontract size), in accordance with 29 CFR 5.5. The requirements apply to all projects located within the right-of-way of a roadway that is functionally classified as Federal-aid highway. 23 U.S.C. 113. This excludes roadways functionally classified as local roads or rural minor collectors, which are exempt. 23 U.S.C. 101. Where applicable law requires that projects be treated as a project on a Federal-aid highway, the provisions of this subpart will apply regardless of the location of the project. Examples include: Surface Transportation Block Grant Program projects funded under 23 U.S.C. 133 [excluding recreational trails projects], the Nationally Significant Freight and Highway

Projects funded under 23 U.S.C. 117, and National Highway Freight Program projects funded under 23 U.S.C. 167.

The following provisions are from the U.S. Department of Labor regulations in 29 CFR 5.5 "Contract provisions and related matters" with minor revisions to conform to the FHWA-1273 format and FHWA program requirements.

1. Minimum wages (29 CFR 5.5)

a. *Wage rates and fringe benefits.* All laborers and mechanics employed or working upon the site of the work (or otherwise working in construction or development of the project under a development statute), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act ([29 CFR part 3](#))), the full amount of basic hourly wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. As provided in paragraphs (d) and (e) of 29 CFR 5.5, the appropriate wage determinations are effective by operation of law even if they have not been attached to the contract. Contributions made or costs reasonably anticipated for bona fide fringe benefits under the Davis-Bacon Act ([40 U.S.C. 3141\(2\)\(B\)](#)) on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph 1.e. of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics must be paid the appropriate wage rate and fringe benefits on the wage determination for the classification(s) of work actually performed, without regard to skill, except as provided in paragraph 4. of this section. Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classifications and wage rates conformed under paragraph 1.c. of this section) and the Davis-Bacon poster (WH-1321) must be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.

b. *Frequently recurring classifications.* (1) In addition to wage and fringe benefit rates that have been determined to be prevailing under the procedures set forth in [29 CFR part 1](#), a wage determination may contain, pursuant to § 1.3(f), wage and fringe benefit rates for classifications of laborers and mechanics for which conformance requests are regularly submitted pursuant to paragraph 1.c. of this section, provided that:

(i) The work performed by the classification is not performed by a classification in the wage determination for which a prevailing wage rate has been determined;

(ii) The classification is used in the area by the construction industry; and

(iii) The wage rate for the classification bears a reasonable relationship to the prevailing wage rates contained in the wage determination.

(2) The Administrator will establish wage rates for such classifications in accordance with paragraph 1.c.(1)(iii) of this section. Work performed in such a classification must be paid at no less than the wage and fringe benefit rate listed on the wage determination for such classification.

c. *Conformance.* (1) The contracting officer must require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination and which is to be employed under the contract be classified in conformance with the wage determination. Conformance of an additional classification and wage rate and fringe benefits is appropriate only when the following criteria have been met:

(i) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(ii) The classification is used in the area by the construction industry; and

(iii) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(2) The conformance process may not be used to split, subdivide, or otherwise avoid application of classifications listed in the wage determination.

(3) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken will be sent by the contracting officer by email to DBAconformance@dol.gov. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(4) In the event the contractor, the laborers or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer will, by email to DBAconformance@dol.gov, refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.

(5) The contracting officer must promptly notify the contractor of the action taken by the Wage and Hour Division

under paragraphs 1.c.(3) and (4) of this section. The contractor must furnish a written copy of such determination to each affected worker or it must be posted as a part of the wage determination. The wage rate (including fringe benefits where appropriate) determined pursuant to paragraph 1.c.(3) or (4) of this section must be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.

d. *Fringe benefits not expressed as an hourly rate.* Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor may either pay the benefit as stated in the wage determination or may pay another bona fide fringe benefit or an hourly cash equivalent thereof.

e. *Unfunded plans.* If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, *Provided*, That the Secretary of Labor has found, upon the written request of the contractor, in accordance with the criteria set forth in § 5.28, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside in a separate account assets for the meeting of obligations under the plan or program.

f. *Interest.* In the event of a failure to pay all or part of the wages required by the contract, the contractor will be required to pay interest on any underpayment of wages.

2. Withholding (29 CFR 5.5)

a. *Withholding requirements.* The contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for the full amount of wages and monetary relief, including interest, required by the clauses set forth in this section for violations of this contract, or to satisfy any such liabilities required by any other Federal contract, or federally assisted contract subject to Davis-Bacon labor standards, that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to Davis-Bacon labor standards requirements and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld. In the event of a contractor's failure to pay any laborer or mechanic, including any apprentice or helper working on the site of the work all or part of the wages required by the contract, or upon the contractor's failure to submit the required records as discussed in paragraph 3.d. of this section, the contracting agency may on its own initiative and after written notice to the contractor, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with paragraph

2.a. of this section or Section V, paragraph 3.a., or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its procurement costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901](#)–3907.

3. Records and certified payrolls (29 CFR 5.5)

a. *Basic record requirements* (1) *Length of record retention.* All regular payrolls and other basic records must be maintained by the contractor and any subcontractor during the course of the work and preserved for all laborers and mechanics working at the site of the work (or otherwise working in construction or development of the project under a development statute) for a period of at least 3 years after all the work on the prime contract is completed.

(2) *Information required.* Such records must contain the name; Social Security number; last known address, telephone number, and email address of each such worker; each worker's correct classification(s) of work actually performed; hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act); daily and weekly number of hours actually worked in total and on each covered contract; deductions made; and actual wages paid.

(3) *Additional records relating to fringe benefits.* Whenever the Secretary of Labor has found under paragraph 1.e. of this section that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in [40 U.S.C. 3141\(2\)\(B\)](#) of the Davis-Bacon Act, the contractor must maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits.

(4) *Additional records relating to apprenticeship.* Contractors with apprentices working under approved programs must maintain written evidence of the registration of apprenticeship programs, the registration of the apprentices, and the ratios and wage rates prescribed in the applicable programs.

b. *Certified payroll requirements* (1) *Frequency and method of submission.* The contractor or subcontractor must submit weekly, for each week in which any DBA- or Related Acts-covered work is performed, certified payrolls to the contracting

agency. The prime contractor is responsible for the submission of all certified payrolls by all subcontractors. A contracting agency or prime contractor may permit or require contractors to submit certified payrolls through an electronic system, as long as the electronic system requires a legally valid electronic signature; the system allows the contractor, the contracting agency, and the Department of Labor to access the certified payrolls upon request for at least 3 years after the work on the prime contract has been completed; and the contracting agency or prime contractor permits other methods of submission in situations where the contractor is unable or limited in its ability to use or access the electronic system.

(2) *Information required.* The certified payrolls submitted must set out accurately and completely all of the information required to be maintained under paragraph 3.a.(2) of this section, except that full Social Security numbers and last known addresses, telephone numbers, and email addresses must not be included on weekly transmittals. Instead, the certified payrolls need only include an individually identifying number for each worker (e.g., the last four digits of the worker's Social Security number). The required weekly certified payroll information may be submitted using Optional Form WH-347 or in any other format desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division website at <https://www.dol.gov/sites/dolgov/files/WHDL/legacy/files/wh347.pdf> or its successor website. It is not a violation of this section for a prime contractor to require a subcontractor to provide full Social Security numbers and last known addresses, telephone numbers, and email addresses to the prime contractor for its own records, without weekly submission by the subcontractor to the contracting agency.

(3) *Statement of Compliance.* Each certified payroll submitted must be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor, or the contractor's or subcontractor's agent who pays or supervises the payment of the persons working on the contract, and must certify the following:

(i) That the certified payroll for the payroll period contains the information required to be provided under paragraph 3.b. of this section, the appropriate information and basic records are being maintained under paragraph 3.a. of this section, and such information and records are correct and complete;

(ii) That each laborer or mechanic (including each helper and apprentice) working on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in [29 CFR part 3](#); and

(iii) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification(s) of work actually performed, as specified in the applicable wage determination incorporated into the contract.

(4) *Use of Optional Form WH-347.* The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 will satisfy the requirement for submission of the "Statement of Compliance" required by paragraph 3.b.(3) of this section.

(5) *Signature.* The signature by the contractor, subcontractor, or the contractor's or subcontractor's agent must be an original handwritten signature or a legally valid electronic signature.

(6) *Falsification.* The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under [18 U.S.C. 1001](#) and [31 U.S.C. 3729](#).

(7) *Length of certified payroll retention.* The contractor or subcontractor must preserve all certified payrolls during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

c. *Contracts, subcontracts, and related documents.* The contractor or subcontractor must maintain this contract or subcontract and related documents including, without limitation, bids, proposals, amendments, modifications, and extensions. The contractor or subcontractor must preserve these contracts, subcontracts, and related documents during the course of the work and for a period of 3 years after all the work on the prime contract is completed.

d. *Required disclosures and access* (1) *Required record disclosures and access to workers.* The contractor or subcontractor must make the records required under paragraphs 3.a. through 3.c. of this section, and any other documents that the contracting agency, the State DOT, the FHWA, or the Department of Labor deems necessary to determine compliance with the labor standards provisions of any of the applicable statutes referenced by § 5.1, available for inspection, copying, or transcription by authorized representatives of the contracting agency, the State DOT, the FHWA, or the Department of Labor, and must permit such representatives to interview workers during working hours on the job.

(2) *Sanctions for non-compliance with records and worker access requirements.* If the contractor or subcontractor fails to submit the required records or to make them available, or refuses to permit worker interviews during working hours on the job, the Federal agency may, after written notice to the contractor, sponsor, applicant, owner, or other entity, as the case may be, that maintains such records or that employs such workers, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available, or to permit worker interviews during working hours on the job, may be grounds for debarment action pursuant to § 5.12. In addition, any contractor or other person that fails to submit the required records or make those records available to WHD within the time WHD requests that the records be produced will be precluded from introducing as evidence in an administrative proceeding under [29 CFR part 6](#) any of the required records that were not provided or made available to WHD. WHD will take into consideration a reasonable request from the contractor or person for an extension of the time for submission of records. WHD will determine the reasonableness of the request and may consider, among other things, the location of the records and the volume of production.

(3) *Required information disclosures.* Contractors and subcontractors must maintain the full Social Security number and last known address, telephone number, and email address

of each covered worker, and must provide them upon request to the contracting agency, the State DOT, the FHWA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or other compliance action.

4. Apprentices and equal employment opportunity (29 CFR 5.5)

a. *Apprentices (1) Rate of pay.* Apprentices will be permitted to work at less than the predetermined rate for the work they perform when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship (OA), or with a State Apprenticeship Agency recognized by the OA. A person who is not individually registered in the program, but who has been certified by the OA or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice, will be permitted to work at less than the predetermined rate for the work they perform in the first 90 days of probationary employment as an apprentice in such a program. In the event the OA or a State Apprenticeship Agency recognized by the OA withdraws approval of an apprenticeship program, the contractor will no longer be permitted to use apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(2) *Fringe benefits.* Apprentices must be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringe benefits must be paid in accordance with that determination.

(3) *Apprenticeship ratio.* The allowable ratio of apprentices to journeyworkers on the job site in any craft classification must not be greater than the ratio permitted to the contractor as to the entire work force under the registered program or the ratio applicable to the locality of the project pursuant to paragraph 4.a.(4) of this section. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated in paragraph 4.a.(1) of this section, must be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ratio permitted under this section must be paid not less than the applicable wage rate on the wage determination for the work actually performed.

(4) *Reciprocity of ratios and wage rates.* Where a contractor is performing construction on a project in a locality other than the locality in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyworker's hourly rate) applicable within the locality in which the construction is being performed must be observed. If there is no applicable ratio or wage rate for the locality of the project, the ratio and wage rate specified in the contractor's registered program must be observed.

b. *Equal employment opportunity.* The use of apprentices and journeyworkers under this part must be in conformity with

the equal employment opportunity requirements of Executive Order 11246, as amended, and [29 CFR part 30](#).

c. Apprentices and Trainees (programs of the U.S. DOT).

Apprentices and trainees working under apprenticeship and skill training programs which have been certified by the Secretary of Transportation as promoting EEO in connection with Federal-aid highway construction programs are not subject to the requirements of paragraph 4 of this Section IV. 23 CFR 230.111(e)(2). The straight time hourly wage rates for apprentices and trainees under such programs will be established by the particular programs. The ratio of apprentices and trainees to journeyworkers shall not be greater than permitted by the terms of the particular program.

5. Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract as provided in 29 CFR 5.5.

6. Subcontracts. The contractor or subcontractor must insert FHWA-1273 in any subcontracts, along with the applicable wage determination(s) and such other clauses or contract modifications as the contracting agency may by appropriate instructions require, and a clause requiring the subcontractors to include these clauses and wage determination(s) in any lower tier subcontracts. The prime contractor is responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in this section. In the event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and may be subject to debarment, as appropriate. 29 CFR 5.5.

7. Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

8. Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract as provided in 29 CFR 5.5.

9. Disputes concerning labor standards. As provided in 29 CFR 5.5, disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

10. Certification of eligibility. a. By entering into this contract, the contractor certifies that neither it nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

b. No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of [40 U.S.C. 3144\(b\)](#) or § 5.12(a).

c. The penalty for making false statements is prescribed in the U.S. Code, Title 18 Crimes and Criminal Procedure, [18 U.S.C. 1001](#).

11. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#);

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#); or

d. Informing any other person about their rights under the DBA, Related Acts, this part, or [29 CFR part 1](#) or [3](#).

V. CONTRACT WORK HOURS AND SAFETY STANDARDS ACT

Pursuant to 29 CFR 5.5(b), the following clauses apply to any Federal-aid construction contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by 29 CFR 5.5(a) or 29 CFR 4.6. As used in this paragraph, the terms laborers and mechanics include watchpersons and guards.

1. Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek. 29 CFR 5.5.

2. Violation; liability for unpaid wages; liquidated damages. In the event of any violation of the clause set forth in paragraph 1. of this section the contractor and any subcontractor responsible therefor shall be liable for the unpaid wages and interest from the date of the underpayment. In addition, such contractor and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or

mechanic, including watchpersons and guards, employed in violation of the clause set forth in paragraph 1. of this section, in the sum currently provided in 29 CFR 5.5(b)(2)* for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph 1. of this section.

* \$31 as of January 15, 2023 (See 88 FR 88 FR 2210) as may be adjusted annually by the Department of Labor, pursuant to the Federal Civil Penalties Inflation Adjustment Act of 1990.

3. Withholding for unpaid wages and liquidated damages

a. *Withholding process.* The FHWA or the contracting agency may, upon its own action, or must, upon written request of an authorized representative of the Department of Labor, withhold or cause to be withheld from the contractor so much of the accrued payments or advances as may be considered necessary to satisfy the liabilities of the prime contractor or any subcontractor for any unpaid wages; monetary relief, including interest; and liquidated damages required by the clauses set forth in this section on this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract subject to the Contract Work Hours and Safety Standards Act that is held by the same prime contractor (as defined in § 5.2). The necessary funds may be withheld from the contractor under this contract, any other Federal contract with the same prime contractor, or any other federally assisted contract that is subject to the Contract Work Hours and Safety Standards Act and is held by the same prime contractor, regardless of whether the other contract was awarded or assisted by the same agency, and such funds may be used to satisfy the contractor liability for which the funds were withheld.

b. *Priority to withheld funds.* The Department has priority to funds withheld or to be withheld in accordance with Section IV paragraph 2.a. or paragraph 3.a. of this section, or both, over claims to those funds by:

- (1) A contractor's surety(ies), including without limitation performance bond sureties and payment bond sureties;
- (2) A contracting agency for its procurement costs;
- (3) A trustee(s) (either a court-appointed trustee or a U.S. trustee, or both) in bankruptcy of a contractor, or a contractor's bankruptcy estate;
- (4) A contractor's assignee(s);
- (5) A contractor's successor(s); or
- (6) A claim asserted under the Prompt Payment Act, [31 U.S.C. 3901](#)–3907.

4. Subcontracts. The contractor or subcontractor must insert in any subcontracts the clauses set forth in paragraphs 1. through 5. of this section and a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor is responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs 1. through 5. In the

event of any violations of these clauses, the prime contractor and any subcontractor(s) responsible will be liable for any unpaid wages and monetary relief, including interest from the date of the underpayment or loss, due to any workers of lower-tier subcontractors, and associated liquidated damages and may be subject to debarment, as appropriate.

5. Anti-retaliation. It is unlawful for any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, or to cause any person to discharge, demote, intimidate, threaten, restrain, coerce, blacklist, harass, or in any other manner discriminate against, any worker or job applicant for:

a. Notifying any contractor of any conduct which the worker reasonably believes constitutes a violation of the Contract Work Hours and Safety Standards Act (CWHSSA) or its implementing regulations in this part;

b. Filing any complaint, initiating or causing to be initiated any proceeding, or otherwise asserting or seeking to assert on behalf of themselves or others any right or protection under CWHSSA or this part;

c. Cooperating in any investigation or other compliance action, or testifying in any proceeding under CWHSSA or this part; or

d. Informing any other person about their rights under CWHSSA or this part.

VI. SUBLETTING OR ASSIGNING THE CONTRACT

This provision is applicable to all Federal-aid construction contracts on the National Highway System pursuant to 23 CFR 635.116.

1. The contractor shall perform with its own organization contract work amounting to not less than 30 percent (or a greater percentage if specified elsewhere in the contract) of the total original contract price, excluding any specialty items designated by the contracting agency. Specialty items may be performed by subcontract and the amount of any such specialty items performed may be deducted from the total original contract price before computing the amount of work required to be performed by the contractor's own organization (23 CFR 635.116).

a. The term "perform work with its own organization" in paragraph 1 of Section VI refers to workers employed or leased by the prime contractor, and equipment owned or rented by the prime contractor, with or without operators. Such term does not include employees or equipment of a subcontractor or lower tier subcontractor, agents of the prime contractor, or any other assignees. The term may include payments for the costs of hiring leased employees from an employee leasing firm meeting all relevant Federal and State regulatory requirements. Leased employees may only be included in this term if the prime contractor meets all of the following conditions: (based on longstanding interpretation)

- (1) the prime contractor maintains control over the supervision of the day-to-day activities of the leased employees;
- (2) the prime contractor remains responsible for the quality of the work of the leased employees;

- (3) the prime contractor retains all power to accept or exclude individual employees from work on the project; and
- (4) the prime contractor remains ultimately responsible for the payment of predetermined minimum wages, the submission of payrolls, statements of compliance and all other Federal regulatory requirements.

b. "Specialty Items" shall be construed to be limited to work that requires highly specialized knowledge, abilities, or equipment not ordinarily available in the type of contracting organizations qualified and expected to bid or propose on the contract as a whole and in general are to be limited to minor components of the overall contract. 23 CFR 635.102.

2. Pursuant to 23 CFR 635.116(a), the contract amount upon which the requirements set forth in paragraph (1) of Section VI is computed includes the cost of material and manufactured products which are to be purchased or produced by the contractor under the contract provisions.

3. Pursuant to 23 CFR 635.116(c), the contractor shall furnish (a) a competent superintendent or supervisor who is employed by the firm, has full authority to direct performance of the work in accordance with the contract requirements, and is in charge of all construction operations (regardless of who performs the work) and (b) such other of its own organizational resources (supervision, management, and engineering services) as the contracting officer determines is necessary to assure the performance of the contract.

4. No portion of the contract shall be sublet, assigned or otherwise disposed of except with the written consent of the contracting officer, or authorized representative, and such consent when given shall not be construed to relieve the contractor of any responsibility for the fulfillment of the contract. Written consent will be given only after the contracting agency has assured that each subcontract is evidenced in writing and that it contains all pertinent provisions and requirements of the prime contract. (based on long-standing interpretation of 23 CFR 635.116).

5. The 30-percent self-performance requirement of paragraph (1) is not applicable to design-build contracts; however, contracting agencies may establish their own self-performance requirements. 23 CFR 635.116(d).

VII. SAFETY: ACCIDENT PREVENTION

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

1. In the performance of this contract the contractor shall comply with all applicable Federal, State, and local laws governing safety, health, and sanitation (23 CFR Part 635). The contractor shall provide all safeguards, safety devices and protective equipment and take any other needed actions as it determines, or as the contracting officer may determine, to be reasonably necessary to protect the life and health of employees on the job and the safety of the public and to protect property in connection with the performance of the work covered by the contract. 23 CFR 635.108.

2. It is a condition of this contract, and shall be made a condition of each subcontract, which the contractor enters into pursuant to this contract, that the contractor and any subcontractor shall not permit any employee, in performance of the contract, to work in surroundings or under conditions which are unsanitary, hazardous or dangerous to his/her health or safety, as determined under construction safety and

health standards (29 CFR Part 1926) promulgated by the Secretary of Labor, in accordance with Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704). 29 CFR 1926.10.

3. Pursuant to 29 CFR 1926.3, it is a condition of this contract that the Secretary of Labor or authorized representative thereof, shall have right of entry to any site of contract performance to inspect or investigate the matter of compliance with the construction safety and health standards and to carry out the duties of the Secretary under Section 107 of the Contract Work Hours and Safety Standards Act (40 U.S.C. 3704).

VIII. FALSE STATEMENTS CONCERNING HIGHWAY PROJECTS

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts.

In order to assure high quality and durable construction in conformity with approved plans and specifications and a high degree of reliability on statements and representations made by engineers, contractors, suppliers, and workers on Federal-aid highway projects, it is essential that all persons concerned with the project perform their functions as carefully, thoroughly, and honestly as possible. Willful falsification, distortion, or misrepresentation with respect to any facts related to the project is a violation of Federal law. To prevent any misunderstanding regarding the seriousness of these and similar acts, Form FHWA-1022 shall be posted on each Federal-aid highway project (23 CFR Part 635) in one or more places where it is readily available to all persons concerned with the project:

18 U.S.C. 1020 reads as follows:

"Whoever, being an officer, agent, or employee of the United States, or of any State or Territory, or whoever, whether a person, association, firm, or corporation, knowingly makes any false statement, false representation, or false report as to the character, quality, quantity, or cost of the material used or to be used, or the quantity or quality of the work performed or to be performed, or the cost thereof in connection with the submission of plans, maps, specifications, contracts, or costs of construction on any highway or related project submitted for approval to the Secretary of Transportation; or

Whoever knowingly makes any false statement, false representation, false report or false claim with respect to the character, quality, quantity, or cost of any work performed or to be performed, or materials furnished or to be furnished, in connection with the construction of any highway or related project approved by the Secretary of Transportation; or

Whoever knowingly makes any false statement or false representation as to material fact in any statement, certificate, or report submitted pursuant to provisions of the Federal-aid Roads Act approved July 11, 1916, (39 Stat. 355), as amended and supplemented;

Shall be fined under this title or imprisoned not more than 5 years or both."

IX. IMPLEMENTATION OF CLEAN AIR ACT AND FEDERAL WATER POLLUTION CONTROL ACT (42 U.S.C. 7606; 2 CFR 200.88; EO 11738)

This provision is applicable to all Federal-aid construction contracts in excess of \$150,000 and to all related subcontracts. 48 CFR 2.101; 2 CFR 200.327.

By submission of this bid/proposal or the execution of this contract or subcontract, as appropriate, the bidder, proposer, Federal-aid construction contractor, subcontractor, supplier, or vendor agrees to comply with all applicable standards, orders or regulations issued pursuant to the Clean Air Act (42 U.S.C. 7401-7671q) and the Federal Water Pollution Control Act, as amended (33 U.S.C. 1251-1387). Violations must be reported to the Federal Highway Administration and the Regional Office of the Environmental Protection Agency. 2 CFR Part 200, Appendix II.

The contractor agrees to include or cause to be included the requirements of this Section in every subcontract, and further agrees to take such action as the contracting agency may direct as a means of enforcing such requirements. 2 CFR 200.327.

X. CERTIFICATION REGARDING DEBARMENT, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, consultant contracts or any other covered transaction requiring FHWA approval or that is estimated to cost \$25,000 or more – as defined in 2 CFR Parts 180 and 1200. 2 CFR 180.220 and 1200.220.

1. Instructions for Certification – First Tier Participants:

a. By signing and submitting this proposal, the prospective first tier participant is providing the certification set out below.

b. The inability of a person to provide the certification set out below will not necessarily result in denial of participation in this covered transaction. The prospective first tier participant shall submit an explanation of why it cannot provide the certification set out below. The certification or explanation will be considered in connection with the department or agency's determination whether to enter into this transaction. However, failure of the prospective first tier participant to furnish a certification or an explanation shall disqualify such a person from participation in this transaction. 2 CFR 180.320.

c. The certification in this clause is a material representation of fact upon which reliance was placed when the contracting agency determined to enter into this transaction. If it is later determined that the prospective participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the contracting agency may terminate this transaction for cause of default. 2 CFR 180.325.

d. The prospective first tier participant shall provide immediate written notice to the contracting agency to whom this proposal is submitted if any time the prospective first tier participant learns that its certification was erroneous when submitted or has become erroneous by reason of changed circumstances. 2 CFR 180.345 and 180.350.

e. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900-180.1020, and 1200. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contract). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

f. The prospective first tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency entering into this transaction. 2 CFR 180.330.

g. The prospective first tier participant further agrees by submitting this proposal that it will include the clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transactions," provided by the department or contracting agency, entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 180.300.

h. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. 2 CFR 180.300; 180.320, and 180.325. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. 2 CFR 180.335. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>). 2 CFR 180.300, 180.320, and 180.325.

i. Nothing contained in the foregoing shall be construed to require the establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of the prospective participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

j. Except for transactions authorized under paragraph (f) of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency may terminate this transaction for cause or default. 2 CFR 180.325.

* * * * *

2. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion – First Tier Participants:

a. The prospective first tier participant certifies to the best of its knowledge and belief, that it and its principals:

(1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.335;.

(2) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State, or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property, 2 CFR 180.800;

(3) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (a)(2) of this certification, 2 CFR 180.700 and 180.800; and

(4) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default. 2 CFR 180.335(d).

(5) Are not a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(6) Are not a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability (USDOT Order 4200.6 implementing appropriations act requirements).

b. Where the prospective participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal. 2 CFR 180.335 and 180.340.

3. Instructions for Certification - Lower Tier Participants:

(Applicable to all subcontracts, purchase orders, and other lower tier transactions requiring prior FHWA approval or estimated to cost \$25,000 or more - 2 CFR Parts 180 and 1200). 2 CFR 180.220 and 1200.220.

a. By signing and submitting this proposal, the prospective lower tier participant is providing the certification set out below.

b. The certification in this clause is a material representation of fact upon which reliance was placed when this transaction was entered into. If it is later determined that the prospective lower tier participant knowingly rendered an erroneous certification, in addition to other remedies available to the Federal Government, the department, or agency with which

this transaction originated may pursue available remedies, including suspension and/or debarment.

c. The prospective lower tier participant shall provide immediate written notice to the person to which this proposal is submitted if at any time the prospective lower tier participant learns that its certification was erroneous by reason of changed circumstances. 2 CFR 180.365.

d. The terms "covered transaction," "debarred," "suspended," "ineligible," "participant," "person," "principal," and "voluntarily excluded," as used in this clause, are defined in 2 CFR Parts 180, Subpart I, 180.900 – 180.1020, and 1200. You may contact the person to which this proposal is submitted for assistance in obtaining a copy of those regulations. "First Tier Covered Transactions" refers to any covered transaction between a recipient or subrecipient of Federal funds and a participant (such as the prime or general contractor). "Lower Tier Covered Transactions" refers to any covered transaction under a First Tier Covered Transaction (such as subcontracts). "First Tier Participant" refers to the participant who has entered into a covered transaction with a recipient or subrecipient of Federal funds (such as the prime or general contractor). "Lower Tier Participant" refers any participant who has entered into a covered transaction with a First Tier Participant or other Lower Tier Participants (such as subcontractors and suppliers).

e. The prospective lower tier participant agrees by submitting this proposal that, should the proposed covered transaction be entered into, it shall not knowingly enter into any lower tier covered transaction with a person who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this covered transaction, unless authorized by the department or agency with which this transaction originated. 2 CFR 1200.220 and 1200.332.

f. The prospective lower tier participant further agrees by submitting this proposal that it will include this clause titled "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion-Lower Tier Covered Transaction," without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions exceeding the \$25,000 threshold. 2 CFR 180.220 and 1200.220.

g. A participant in a covered transaction may rely upon a certification of a prospective participant in a lower tier covered transaction that is not debarred, suspended, ineligible, or voluntarily excluded from the covered transaction, unless it knows that the certification is erroneous. A participant is responsible for ensuring that its principals are not suspended, debarred, or otherwise ineligible to participate in covered transactions. To verify the eligibility of its principals, as well as the eligibility of any lower tier prospective participants, each participant may, but is not required to, check the System for Award Management website (<https://www.sam.gov/>), which is compiled by the General Services Administration. 2 CFR 180.300, 180.320, 180.330, and 180.335.

h. Nothing contained in the foregoing shall be construed to require establishment of a system of records in order to render in good faith the certification required by this clause. The knowledge and information of participant is not required to exceed that which is normally possessed by a prudent person in the ordinary course of business dealings.

i. Except for transactions authorized under paragraph e of these instructions, if a participant in a covered transaction knowingly enters into a lower tier covered transaction with a person who is suspended, debarred, ineligible, or voluntarily

excluded from participation in this transaction, in addition to other remedies available to the Federal Government, the department or agency with which this transaction originated may pursue available remedies, including suspension and/or debarment. 2 CFR 180.325.

* * * * *

4. Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion--Lower Tier Participants:

a. The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals:

(1) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participating in covered transactions by any Federal department or agency, 2 CFR 180.355;

(2) is a corporation that has been convicted of a felony violation under any Federal law within the two-year period preceding this proposal (USDOT Order 4200.6 implementing appropriations act requirements); and

(3) is a corporation with any unpaid Federal tax liability that has been assessed, for which all judicial and administrative remedies have been exhausted, or have lapsed, and that is not being paid in a timely manner pursuant to an agreement with the authority responsible for collecting the tax liability. (USDOT Order 4200.6 implementing appropriations act requirements)

b. Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant should attach an explanation to this proposal.

* * * * *

XI. CERTIFICATION REGARDING USE OF CONTRACT FUNDS FOR LOBBYING

This provision is applicable to all Federal-aid construction contracts and to all related subcontracts which exceed \$100,000. 49 CFR Part 20, App. A.

1. The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

a. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

b. If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any Federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or

cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.

2. This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31 U.S.C. 1352. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

3. The prospective participant also agrees by submitting its bid or proposal that the participant shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such recipients shall certify and disclose accordingly.

XII. USE OF UNITED STATES-FLAG VESSELS:

This provision is applicable to all Federal-aid construction contracts, design-build contracts, subcontracts, lower-tier subcontracts, purchase orders, lease agreements, or any other covered transaction. 46 CFR Part 381.

This requirement applies to material or equipment that is acquired for a specific Federal-aid highway project. 46 CFR 381.7. It is not applicable to goods or materials that come into inventories independent of an FHWA funded-contract.

When oceanic shipments (or shipments across the Great Lakes) are necessary for materials or equipment acquired for a specific Federal-aid construction project, the bidder, proposer, contractor, subcontractor, or vendor agrees:

1. To utilize privately owned United States-flag commercial vessels to ship at least 50 percent of the gross tonnage (computed separately for dry bulk carriers, dry cargo liners, and tankers) involved, whenever shipping any equipment, material, or commodities pursuant to this contract, to the extent such vessels are available at fair and reasonable rates for United States-flag commercial vessels. 46 CFR 381.7.

2. To furnish within 20 days following the date of loading for shipments originating within the United States or within 30 working days following the date of loading for shipments originating outside the United States, a legible copy of a rated, 'on-board' commercial ocean bill-of-lading in English for each shipment of cargo described in paragraph (b)(1) of this section to both the Contracting Officer (through the prime contractor in the case of subcontractor bills-of-lading) and to the Office of Cargo and Commercial Sealift (MAR-620), Maritime Administration, Washington, DC 20590. (MARAD requires copies of the ocean carrier's (master) bills of lading, certified onboard, dated, with rates and charges. These bills of lading may contain business sensitive information and therefore may be submitted directly to MARAD by the Ocean Transportation Intermediary on behalf of the contractor). 46 CFR 381.7.

**ATTACHMENT A - EMPLOYMENT AND MATERIALS
PREFERENCE FOR APPALACHIAN DEVELOPMENT
HIGHWAY SYSTEM OR APPALACHIAN LOCAL ACCESS
ROAD CONTRACTS (23 CFR 633, Subpart B, Appendix B)**

This provision is applicable to all Federal-aid projects funded under the Appalachian Regional Development Act of 1965.

1. During the performance of this contract, the contractor undertaking to do work which is, or reasonably may be, done as on-site work, shall give preference to qualified persons who regularly reside in the labor area as designated by the DOL wherein the contract work is situated, or the subregion, or the Appalachian counties of the State wherein the contract work is situated, except:

a. To the extent that qualified persons regularly residing in the area are not available.

b. For the reasonable needs of the contractor to employ supervisory or specially experienced personnel necessary to assure an efficient execution of the contract work.

c. For the obligation of the contractor to offer employment to present or former employees as the result of a lawful collective bargaining contract, provided that the number of nonresident persons employed under this subparagraph (1c) shall not exceed 20 percent of the total number of employees employed by the contractor on the contract work, except as provided in subparagraph (4) below.

2. The contractor shall place a job order with the State Employment Service indicating (a) the classifications of the laborers, mechanics and other employees required to perform the contract work, (b) the number of employees required in each classification, (c) the date on which the participant estimates such employees will be required, and (d) any other pertinent information required by the State Employment Service to complete the job order form. The job order may be placed with the State Employment Service in writing or by telephone. If during the course of the contract work, the information submitted by the contractor in the original job order is substantially modified, the participant shall promptly notify the State Employment Service.

3. The contractor shall give full consideration to all qualified job applicants referred to him by the State Employment Service. The contractor is not required to grant employment to any job applicants who, in his opinion, are not qualified to perform the classification of work required.

4. If, within one week following the placing of a job order by the contractor with the State Employment Service, the State Employment Service is unable to refer any qualified job applicants to the contractor, or less than the number requested, the State Employment Service will forward a certificate to the contractor indicating the unavailability of applicants. Such certificate shall be made a part of the contractor's permanent project records. Upon receipt of this certificate, the contractor may employ persons who do not normally reside in the labor area to fill positions covered by the certificate, notwithstanding the provisions of subparagraph (1c) above.

5. The provisions of 23 CFR 633.207(e) allow the contracting agency to provide a contractual preference for the use of mineral resource materials native to the Appalachian region.

6. The contractor shall include the provisions of Sections 1 through 4 of this Attachment A in every subcontract for work which is, or reasonably may be, done as on-site work.

**KENTUCKY TRANSPORTATION CABINET
DEPARTMENT OF HIGHWAYS**

**EMPLOYMENT REQUIREMENTS
RELATING TO
NONDISCRIMINATION OF EMPLOYEES
(APPLICABLE TO FEDERAL-AID SYSTEM CONTRACTS)**

**AN ACT OF THE KENTUCKY GENERAL ASSEMBLY
TO PREVENT DISCRIMINATION IN EMPLOYMENT**

**KRS CHAPTER 344
EFFECTIVE JUNE 16, 1972**

The contract on this project, in accordance with KRS Chapter 344, provides that during the performance of this contract, the contractor agrees as follows:

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (forty and above); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age forty (40) and over. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, except that such a notice or advertisement may indicate a preference, limitation, or specification based on religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, when religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, is a bona fide occupational qualification for employment.

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age forty (40) and over, in admission to, or employment in any program established to provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

Revised: January 25, 2017

Standard Title VI/Non-Discrimination Assurances

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the "contractor") agrees as follows:

1. **Compliance with Regulations:** The contractor (hereinafter includes consultants) will comply with the Acts and the Regulations relative to Non-discrimination in Federally-assisted programs of the U.S. Department of Transportation, **Federal Highway Administration**, as they may be amended from time to time, which are herein incorporated by reference and made a part of this contract.
2. **Non-discrimination:** The contractor, with regard to the work performed by it during the contract, will not discriminate on the grounds of race, color, or national origin in the selection and retention of subcontractors, including procurements of materials and leases of equipment. The contractor will not participate directly or indirectly in the discrimination prohibited by the Acts and the Regulations, including employment practices when the contract covers any activity, project, or program set forth in Appendix B of 49 CFR Part 21.
3. **Solicitations for Subcontracts, Including Procurements of Materials and Equipment:** In all solicitations, either by competitive bidding, or negotiation made by the contractor for work to be performed under a subcontract, including procurements of materials, or leases of equipment, each potential subcontractor or supplier will be notified by the contractor of the contractor's obligations under this contract and the Acts and the Regulations relative to Non-discrimination on the grounds of race, color, or national origin.
4. **Information and Reports:** The contractor will provide all information and reports required by the Acts, the Regulations, and directives issued pursuant thereto and will permit access to its books, records, accounts, other sources of information, and its facilities as may be determined by the Recipient or the **Federal Highway Administration** to be pertinent to ascertain compliance with such Acts, Regulations, and instructions. Where any information required of a contractor is in the exclusive possession of another who fails or refuses to furnish the information, the contractor will so certify to the Recipient or the **Federal Highway Administration**, as appropriate, and will set forth what efforts it has made to obtain the information.
5. **Sanctions for Noncompliance:** In the event of a contractor's noncompliance with the Non-discrimination provisions of this contract, the Recipient will impose such contract sanctions as it or the **Federal Highway Administration** may determine to be appropriate, including, but not limited to:
 - a. withholding payments to the contractor under the contract until the contractor complies; and/or
 - b. cancelling, terminating, or suspending a contract, in whole or in part.
6. **Incorporation of Provisions:** The contractor will include the provisions of paragraphs one through six in every subcontract, including procurements of materials and leases of equipment, unless exempt by the Acts, the Regulations and directives issued pursuant thereto. The contractor will take action with respect to any subcontract or procurement as the Recipient or the **Federal Highway Administration** may direct as a means of enforcing such provisions including sanctions for noncompliance. Provided, that if the contractor becomes involved in, or is threatened with litigation by a subcontractor, or supplier because of such direction, the contractor may request the Recipient to enter into any litigation to protect the interests of the Recipient. In addition, the contractor may request the United States to enter into the litigation to protect the interests of the United States.

Standard Title VI/Non-Discrimination Statutes and Authorities

During the performance of this contract, the contractor, for itself, its assignees, and successors in interest (hereinafter referred to as the “contractor”) agrees to comply with the following non-discrimination statutes and authorities; including but not limited to:

- Title VI of the Civil Rights Act of 1964 (42 U.S.C. § 2000d *et seq.*, 78 stat. 252), (prohibits discrimination on the basis of race, color, national origin); and 49 CFR Part 21;
- The Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, (42 U.S.C. § 4601), (prohibits unfair treatment of persons displaced or whose property has been acquired because of Federal or Federal-aid programs and projects);
- Federal-Aid Highway Act of 1973, (23 U.S.C. § 324 *et seq.*), (prohibits discrimination on the basis of sex);
- Section 504 of the Rehabilitation Act of 1973, (29 U.S.C. § 794 *et seq.*), as amended, (prohibits discrimination on the basis of disability); and 49 CFR Part 27;
- The Age Discrimination Act of 1975, as amended, (42 U.S.C. § 6101 *et seq.*), (prohibits discrimination on the basis of age);
- Airport and Airway Improvement Act of 1982, (49 USC § 471, Section 47123), as amended, (prohibits discrimination based on race, creed, color, national origin, or sex);
- The Civil Rights Restoration Act of 1987, (PL 100-209), (Broadened the scope, coverage and applicability of Title VI of the Civil Rights Act of 1964, The Age Discrimination Act of 1975 and Section 504 of the Rehabilitation Act of 1973, by expanding the definition of the terms “programs or activities” to include all of the programs or activities of the Federal-aid recipients, sub-recipients and contractors, whether such programs or activities are Federally funded or not);
- Titles II and III of the Americans with Disabilities Act, which prohibit discrimination on the basis of disability in the operation of public entities, public and private transportation systems, places of public accommodation, and certain testing entities (42 U.S.C. §§ 12131 -- 12189) as implemented by Department of Transportation regulations at 49 C.F.R. parts 37 and 38;
- The Federal Aviation Administration’s Non-discrimination statute (49 U.S.C. § 47123) (prohibits discrimination on the basis of race, color, national origin, and sex);
- Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations, which ensures non-discrimination against minority populations by discouraging programs, policies, and activities with disproportionately high and adverse human health or environmental effects on minority and low-income populations;
- Executive Order 13166, Improving Access to Services for Persons with Limited English Proficiency, and resulting agency guidance, national origin discrimination includes discrimination because of limited English proficiency (LEP). To ensure compliance with Title VI, you must take reasonable steps to ensure that LEP persons have meaningful access to your programs (70 Fed. Reg. at 74087 to 74100);
- Title IX of the Education Amendments of 1972, as amended, which prohibits you from discriminating because of sex in education programs or activities (20 U.S.C. 1681 *et seq.*).

EXECUTIVE BRANCH CODE OF ETHICS

In the 1992 regular legislative session, the General Assembly passed and Governor Brereton Jones signed Senate Bill 63 (codified as KRS 11A), the Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (7) provides:

No present or former public servant shall, within six (6) months following termination of his office or employment, accept employment, compensation, or other economic benefit from any person or business that contracts or does business with, or is regulated by, the state in matters in which he was directly involved during the last thirty-six (36) months of his tenure. This provision shall not prohibit an individual from returning to the same business, firm, occupation, or profession in which he was involved prior to taking office or beginning his term of employment, or for which he received, prior to his state employment, a professional degree or license, provided that, for a period of six (6) months, he personally refrains from working on any matter in which he was directly involved during the last thirty-six (36) months of his tenure in state government. This subsection shall not prohibit the performance of ministerial functions, including but not limited to filing tax returns, filing applications for permits or licenses, or filing incorporation papers, nor shall it prohibit the former officer or public servant from receiving public funds disbursed through entitlement programs.

KRS 11A.040 (9) states:

A former public servant shall not represent a person or business before a state agency in a matter in which the former public servant was directly involved during the last thirty-six (36) months of his tenure, for a period of one (1) year after the latter of:

- a) The date of leaving office or termination of employment; or
- b) The date the term of office expires to which the public servant was elected.

This law is intended to promote public confidence in the integrity of state government and to declare as public policy the idea that state employees should view their work as a public trust and not as a way to obtain private benefits.

If you have worked for the executive branch of state government within the past six months, you may be subject to the law's prohibitions. The law's applicability may be different if you hold elected office or are contemplating representation of another before a state agency.

Also, if you are affiliated with a firm which does business with the state and which employs former state executive-branch employees, you should be aware that the law may apply to them.

In case of doubt, the law permits you to request an advisory opinion from the Executive Branch Ethics Commission, 1025 Capital Center Drive, Suite 104, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: May 23, 2022

"General Decision Number: KY20250040 01/03/2025

Superseded General Decision Number: KY20240040

State: Kentucky

Construction Type: Highway

Counties: Allen, Ballard, Butler, Caldwell, Calloway, Carlisle, Christian, Crittenden, Daviess, Edmonson, Fulton, Graves, Hancock, Henderson, Hickman, Hopkins, Livingston, Logan, Lyon, Marshall, McCracken, McLean, Muhlenberg, Ohio, Simpson, Todd, Trigg, Union, Warren and Webster Counties in Kentucky.

HIGHWAY CONSTRUCTION PROJECTS (excluding tunnels, building structures in rest area projects & railroad construction; bascule, suspension & spandrel arch bridges designed for commercial navigation, bridges involving marine construction; and other major bridges).

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 14026 generally applies to the contract.. The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 13658 generally applies to the contract.. The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker
protections under the Executive Orders is available at
<http://www.dol.gov/whd/govcontracts>.

Modification Number0

Publication Date01/03/2025

BRIN0004-002 06/01/2023

BALLARD, BUTLER, CALDWELL, CARLISLE, CRITTENDEN, DAVIESS,
EDMONSON, FULTON, GRAVES, HANCOCK, HENDERSON, HICKMAN,
HOPKINS, LIVINGSTON, LYON, MARSHALL, MCCracken, MCLEAN,
MUHLENBERG, OHIO, UNION, and WEBSTER COUNTIES

	Rates	Fringes
BRICKLAYER		
Ballard, Caldwell, Carlisle, Crittenden, Fulton, Graves, Hickman, Livingston, Lyon, Marshall, and McCracken Counties.....	\$ 34.17	19.60
Butler, Edmonson, Hopkins, Muhlenberg, and Ohio Counties.....	\$ 32.28	15.95
Daviess, Hancock, Henderson, McLean, Union, and Webster Counties.....	\$ 34.17	19.60

BRTN0004-005 06/01/2023

ALLEN, CALLOWAY, CHRISTIAN, LOGAN, SIMPSON, TODD, TRIGG, and
WARREN COUNTIES

	Rates	Fringes
BRICKLAYER.....	\$ 32.28	15.95

CARP0357-002 06/01/2024

	Rates	Fringes
CARPENTER.....	\$ 30.16	20.87
DIVER.....	\$ 49.73	23.37
PILEDRIVERMAN.....	\$ 30.16	20.87

ELEC0369-006 05/29/2024

BUTLER, EDMONSON, LOGAN, TODD & WARREN COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 37.88	21.38

ELEC0429-001 06/01/2024

ALLEN & SIMPSON COUNTIES:

Rates

Fringes

ELECTRICIAN.....	\$ 34.92	14.75
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ELEC0816-002 06/01/2024

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN,
FULTON (Except a 5 mile radius of City Hall in Fulton), GRAVES,
HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCracken & TRIGG COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 35.67	28%+8.60

Cable spicers receive \$.25 per hour additional.

ELEC1701-003 07/01/2024

DAVISS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, MUHLENBERG, OHIO,
UNION & WEBSTER COUNTIES:

	Rates	Fringes
ELECTRICIAN.....	\$ 37.10	8.60+30.8%

Cable spicers receive \$.25 per hour additional.

ELEC1925-002 01/01/2024

FULTON COUNTY (Up to a 5 mile radius of City Hall in Fulton):

	Rates	Fringes
CABLE SPLICER.....	\$ 28.20	15.27
ELECTRICIAN.....	\$ 27.95	15.26

ENGI0181-017 07/01/2024

	Rates	Fringes
POWER EQUIPMENT OPERATOR		
GROUP 1.....	\$ 40.05	19.10
GROUP 2.....	\$ 37.19	19.10
GROUP 3.....	\$ 37.64	19.10
GROUP 4.....	\$ 36.87	19.10

OPERATING ENGINEER CLASSIFICATIONS

GROUP 1 - A-Frame Winch Truck; Auto Patrol; Backfiller;
Batcher Plant; Bituminous Paver; Bituminous Transfer
Machine; Boom Cat; Bulldozer; Mechanic; Cableway; Carry-All
Scoop; Carry Deck Crane; Central Compressor Plant; Cherry
Picker; Clamshell; Concrete Mixer (21 cu. ft. or Over);
Concrete Paver; Truck-Mounted Concrete Pump; Core Drill;
Crane; Crusher Plant; Derrick; Derrick Boat; Ditching &
Trenching Machine; Dragline; Dredge Operator; Dredge
Engineer; Elevating Grader & Loaders; Grade-All; Gurries;
Heavy Equipment Robotics Operator/Mechanic; High Lift;
Hoe-Type Machine; Hoist (Two or More Drums); Hoisting
Engine (Two or More Drums); Horizontal Directional Drill
Operator; Hydrocrane; Hyster; KeCal Loader; LeTourneau;
Locomotive; Mechanic; Mechanically Operated Laser Screed;
Mechanic Welder; Mucking Machine; Motor Scraper; Orangepeel
Bucket; Overhead Crane; Piledriver; Power Blade; Pumpcrete;
Push Dozer; Rock Spreader, attached to equipment; Rotary

Drill; Roller (Bituminous); Rough Terrain Crane; Scarifier; Scoopmobile; Shovel; Side Boom; Subgrader; Tailboom; Telescoping Type Forklift; Tow or Push Boat; Tower Crane (French, German & other types); Tractor Shovel; Truck Crane; Tunnel Mining Machines, including Moles, Shields or similar types of Tunnel Mining Equipment

GROUP 2 - Air Compressor (Over 900 cu. ft. per min.); Bituminous Mixer; Boom Type Tamping Machine; Bull Float; Concrete Mixer (Under 21 cu. ft.); Dredge Engineer; Electric Vibrator; Compactor/Self-Propelled Compactor; Elevator (One Drum or Buck Hoist); Elevator (When used to Hoist Building Material); Finish Machine; Firemen & Hoist (One Drum); Flexplane; Forklift (Regardless of Lift Height); Form Grader; Joint Sealing Machine; Outboard Motor Boat; Power Sweeper (Riding Type); Roller (Rock); Ross Carrier; Skid Mounted or Trailer Mounted Concrete Pump; Skid Steer Machine with all Attachments; Switchman or Brakeman; Throttle Valve Person; Tractair & Road Widening Trencher; Tractor (50 H.P. or Over); Truck Crane Oiler; Tugger; Welding Machine; Well Points;& Whirley Oiler

GROUP 3 -All Off Road Material Handling Equipment, including Articulating Dump Trucks; Greaser on Grease Facilities servicing Heavy Equipment

GROUP 4 - Bituminous Distributor; Burlap & Curing Machine; Cement Gun; Concrete Saw; Conveyor; Deckhand Oiler; Grout Pump; Hydraulic Post Driver; Hydro Seeder; Mud Jack; Oiler; Paving Joint Machine; Power Form Handling Equipment; Pump; Roller (Earth); Steerman; Tamping Machine; Tractor (Under 50 H.P.); & Vibrator

CRANES - with booms 150 ft. & Over (Including JIB), and where the length of the boom in combination with the length of the piling equals or exceeds 150 ft. - \$1.00 above Group 1 rate

EMPLOYEES ASSIGNED TO WORK BELOW GROUND LEVEL ARE TO BE PAID 10% ABOVE BASIC WAGE RATE. THIS DOES NOT APPLY TO OPEN CUT WORK.

IRON0070-005 06/01/2024

BUTLER COUNTY (Eastern eighth, including the Townships of Decker, Lee & Tilford); EDMONSON COUNTY (Northern three-fourths, including the Townships of Asphalt, Bee Spring, Brownsville, Grassland, Huff, Kyrack, Lindseyville, Mammoth Cave, Ollie, Prosperity, Rhoda, Sunfish & Sweden)

	Rates	Fringes
IRONWORKER		
Structural; Ornamental;		
Reinforcing; Precast		
Concrete Erectors.....	\$ 34.59	25.00

IRON0103-004 08/01/2024

DAVIESS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, OHIO, UNION & WEBSTER COUNTIES
BUTLER COUNTY (Townships of Aberdeen, Bancock, Casey,

Dexterville, Dunbar, Elfie, Gilstrap, Huntsville, Logansport, Monford, Morgantown, Provo, Rochester, South Hill & Welchs Creek);
CALDWELL COUNTY (Northeastern third, including the Township of Creswell);
CHRISTIAN COUNTY (Northern third, including the Townships of Apex, Crofton, Kelly, Mannington & Wynns);
CRITTENDEN COUNTY (Northeastern half, including the Townships of Grove, Mattoon, Repton, Shady Grove & Tribune);
MUHLENBERG COUNTY (Townships of Bavier, Beech Creek Junction, Benton, Brennen, Browder, Central City, Cleaton, Depoy, Drakesboro, Eunis, Graham, Hillside, Luzerne, Lynn City, Martwick, McNary, Millport, Moorman, Nelson, Paradise, Powderly, South Carrollton, Tarina & Weir)

	Rates	Fringes
Ironworkers:.....	\$ 35.34	26.4

IRON0492-003 05/01/2024		

ALLEN, LOGAN, SIMPSON, TODD & WARREN COUNTIES
BUTLER COUNTY (Southern third, including the Townships of Boston, Berrys Lick, Dimple, Jetson, Quality, Sharer, Sugar Grove & Woodbury);
CHRISTIAN COUNTY (Eastern two-thirds, including the Townships of Bennettstown, Casky, Herndon, Hopkinsville, Howell, Masonville, Pembroke & Thompsonville);
EDMONSON COUNTY (Southern fourth, including the Townships of Chalybeate & Rocky Hill);
MUHLENBERG COUNTY (Southern eighth, including the Townships of Dunnior, Penrod & Rosewood)

	Rates	Fringes
Ironworkers:.....	\$ 33.73	16.38

IRON0782-006 08/01/2024		

BALLARD, CALLOWAY, CARLISLE, FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN & TRIGG COUNTIES
CALDWELL COUNTY (Southwestern two-thirds, including the Townships of Cedar Bluff, Cider, Claxton, Cobb, Crowtown, Dulaney, Farmersville, Fredonia, McGowan, Otter Pond & Princeton);
CHRISTIAN COUNTY (Western third, Excluding the Townships of Apex, Crofton, Kelly, Mannington, Wynns, Bennettstown, Casky, Herndon, Hopkinsville, Howell, Masonville, Pembroke & Thompsonville);
CRITTENDEN COUNTY (Southwestern half, including the Townships of Crayne, Dycusburg, Frances, Marion, Mexico, Midway, Sheridan & Told)

	Rates	Fringes
Ironworkers:		
Projects with a total contract cost of \$20,000,000.00 or above.....	\$ 35.75	26.34
All Other Work.....	\$ 34.01	24.83

LAB00189-005 07/01/2024		

BALLARD, CALLOWAY, CARLISLE, FULTON, GRAVES, HICKMAN,
LIVINGSTON, LYON, MARSHALL & MCCracken Counties

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 23.96	18.58
GROUP 2.....	\$ 24.21	18.58
GROUP 3.....	\$ 24.26	18.58
GROUP 4.....	\$ 24.86	18.58

LABORER CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushhammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

LABO0189-006 07/01/2024

ALLEN, BUTLER, CALDWELL, CHRISTIAN, DAVIESS, EDMONSON, HANCOCK,
HOPKINS, LOGAN, MCLEAN, MUHLENBERG, OHIO, SIMPSON, TODD, TRIGG
& WARREN Counties

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 23.96	18.58

GROUP 2.....	\$ 24.26	18.58
GROUP 3.....	\$ 24.21	18.58
GROUP 4.....	\$ 24.86	18.58

LABORER CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushhammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

LAB00561-001 07/01/2024

CRITTENDEN, HENDERSON, UNION & WEBSTER COUNTIES

	Rates	Fringes
Laborers:		
GROUP 1.....	\$ 25.22	18.10
GROUP 2.....	\$ 25.47	18.10
GROUP 3.....	\$ 25.52	18.10
GROUP 4.....	\$ 26.12	18.10

LABORER CLASSIFICATIONS

GROUP 1 - Aging & Curing of Concrete; Asbestos Abatement Worker; Asphalt Plant; Asphalt; Batch Truck Dump; Carpenter Tender; Cement Mason Tender; Cleaning of Machines; Concrete; Demolition; Dredging; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level D; Flagperson; Grade Checker; Hand Digging & Hand Back Filling; Highway

Marker Placer; Landscaping, Mesh Handler & Placer; Puddler; Railroad; Rip-rap & Grouter; Right-of-Way; Sign, Guard Rail & Fence Installer; Signal Person; Sound Barrier Installer; Storm & Sanitary Sewer; Swamper; Truck Spotter & Dumper; Wrecking of Concrete Forms; General Cleanup

GROUP 2 - Batter Board Man (Sanitary & Storm Sewer); Brickmason Tender; Mortar Mixer Operator; Scaffold Builder; Burner & Welder; Bushhammer; Chain Saw Operator; Concrete Saw Operator; Deckhand Scow Man; Dry Cement Handler; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Level C; Forklift Operator for Masonary; Form Setter; Green Concrete Cutting; Hand Operated Grouter & Grinder Machine Operator; Jackhammer; Pavement Breaker; Paving Joint Machine; Pipelayer; Plastic Pipe Fusion; Power Driven Georgia Buggy & Wheel Barrow; Power Post Hole Digger; Precast Manhole Setter; Walk-Behind Tamper; Walk-Behind Trencher; Sand Blaster; Concrete Chipper; Surface Grinder; Vibrator Operator; Wagon Driller

GROUP 3 - Asphalt Luteman & Raker; Gunnite Nozzleman; Gunnite Operator & Mixer; Grout Pump Operator; Blaster; Side Rail Setter; Rail Paved Ditches; Screw Operator; Tunnel (Free Air); Water Blaster

GROUP 4 - Caisson Worker (Free Air); Cement Finisher; Environmental - Nuclear, Radiation, Toxic & Hazardous Waste - Levels A & B; Miner & Driller (Free Air); Tunnel Blaster; & Tunnel Mucker (Free Air); Directional & Horizontal Boring; Air Track Drillers (All Types); Powdermen & Blasters; Troxler & Concrete Tester if Laborer is Utilized

PAIN0032-002 09/01/2024

BALLARD COUNTY

	Rates	Fringes
Painters:		
Bridges.....	\$ 36.77	21.77
All Other Work.....	\$ 34.47	21.77

Spray, Blast, Steam, High & Hazardous (Including Lead Abatement) and All Epoxy - \$1.00 Premium

PAIN0118-003 06/01/2014

EDMONSON COUNTY:

	Rates	Fringes
Painters:		
Brush & Roller.....	\$ 18.50	11.97
Spray, Sandblast, Power Tools, Waterblast & Steam Cleaning.....	\$ 19.50	11.97

PAIN0156-006 04/01/2024

DAVISS, HANCOCK, HENDERSON, MCLEAN, OHIO, UNION & WEBSTER COUNTIES

	Rates	Fringes
Painters:		
BRIDGES		
GROUP 1.....	\$ 30.77	20.30
GROUP 3.....	\$ 31.77	20.30
GROUP 4.....	\$ 35.00	20.30
ALL OTHER WORK:		
GROUP 1.....	\$ 29.62	20.30
GROUP 2.....	\$ 30.37	20.30
GROUP 3.....	\$ 30.62	20.30
GROUP 4.....	\$ 31.77	20.30

PAINTER CLASSIFICATIONS

GROUP 1 - Brush & Roller

GROUP 2 - Plasterers

- GROUP 3 - Spray; Sandblast; Power Tools; Waterblast;
Steamcleaning; Brush & Roller of Mastics, Creosotes, Kwinch
Koate & Coal Tar Epoxy
- GROUP 4 - Spray of Mastics, Creosotes, Kwinch Koate & Coal
Tar Epoxy

PAIN0500-002 06/01/2024

CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN, FULTON,
GRAVES, HICKMAN, HOPKINS, LIVINGSTON, LYON, MARSHALL, MCCRACKEN
& TRIGG COUNTIES:

	Rates	Fringes
Painters:		
Bridges.....	\$ 30.75	15.50
All Other Work.....	\$ 24.50	15.50

- Waterblasting units with 3500 PSI and above - \$.50 premium
Spraypainting and all abrasive blasting - \$1.00 premium
Work 40 ft. and above ground level - \$1.00 premium

PLUM0184-002 07/01/2024

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN,
FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL, MCCRACKEN
and TRIGG COUNTIES

	Rates	Fringes
Plumber; Steamfitter.....	\$ 41.01	20.28

PLUM0502-004 08/01/2024

ALLEN, BUTLER, EDMONSON, SIMPSON & WARREN

	Rates	Fringes
Plumber; Steamfitter.....	\$ 41.90	24.89

PLUM0633-002 07/01/2022

DAVIESS, HANCOCK, HENDERSON, HOPKINS, LOGAN, MCLEAN,
MUHLENBERG, OHIO, TODD, UNION & WEBSTER COUNTIES:

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 33.97	19.30

TEAM0089-003 03/31/2024		

ALLEN, BUTLER, EDMONSON, LOGAN, SIMPSON & WARREN COUNTIES

	Rates	Fringes
Truck drivers:		
Zone 1:		
Group 1.....	\$ 23.53	27.39
Group 2.....	\$ 23.70	27.39
Group 3.....	\$ 23.78	27.39
Group 4.....	\$ 23.80	27.39

GROUP 1 - Greaser; Tire Changer

GROUP 2 - Truck Mechanic; Single Axle Dump; Flat Bed; All Terrain Vehicles when used to haul materials; Semi Trailer or Pole Trailer when used to pull building materials and equipment; Tandem Axle Dump; Driver of Distributors

GROUP 3 - Mixer All Types

GROUP 4 - Winch and A-Frame when used in transporting materials; Ross Carrier; Fork Lift when used to transport building materials; Driver on Pavement Breaker; Euclid and Other Heavy Earth Moving Equipment; Low Boy; Articulator Cat; Five Axle Vehicle

TEAM0215-003 03/31/2024		

DAVIESS, HANCOCK, HENDERSON, HOPKINS, MCLEAN, MUHLENBERG, OHIO
& WEBSTER COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 25.15	27.39
Group 2.....	\$ 25.38	27.39
Group 3.....	\$ 25.45	27.39
Group 4.....	\$ 25.46	27.39

GROUP 1: Greaser, Tire Changer

GROUP 2: Truck Mechanic

GROUP 3: Single Axle Dump; Flat Bed; All Terrain Vehicle when used to haul materials; Semi Trailer or Pole Trailer when used to pull building materials and equipment; Tandem Axle Dump; Driver of Distributors; Mixer All Types

GROUP 4: Euclid and other heavy earth moving equipment; Low Boy; Articulator Cat; 5 Axle Vehicle; Winch and A- Frame when used in transporting materials; Ross Carrier; Fork Lift when used to transport building materials; Driver on

Pavement Breaker

TEAM0236-001 03/31/2024

BALLARD, CALDWELL, CALLOWAY, CARLISLE, CHRISTIAN, CRITTENDEN,
FULTON, GRAVES, HICKMAN, LIVINGSTON, LYON, MARSHALL,
MCCRACKEN, TODD & TRIGG COUNTIES

	Rates	Fringes
TRUCK DRIVER		
Group 1.....	\$ 23.52	27.39
Group 2.....	\$ 23.70	27.39
Group 3.....	\$ 23.70	27.39
Group 4.....	\$ 23.78	27.39
Group 5.....	\$ 23.80	27.39

GROUP 1: Greaser, Tire Changer

GROUP 2: Truck Mechanic

GROUP 3: Single Axle Dump; Flat Bed; All Terrain Vehicle when
used to haul materials; Semi Trailer or Pole Trailer when
used to pull building materials and equipment; Tandem Axle
Dump; Drivers of Distributors

GROUP 4: Euclid and other heavy earth moving equipment; Low
Boy; Articulator Cat; Five Axle Vehicle; Winch and A-Frame
when used in transporting materials; Ross Carrier

GROUP 5: Mixer All Types

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Note: Executive Order (EO) 13706, Establishing Paid Sick Leave
for Federal Contractors applies to all contracts subject to the
Davis-Bacon Act for which the contract is awarded (and any
solicitation was issued) on or after January 1, 2017. If this
contract is covered by the EO, the contractor must provide
employees with 1 hour of paid sick leave for every 30 hours
they work, up to 56 hours of paid sick leave each year.
Employees must be permitted to use paid sick leave for their
own illness, injury or other health-related needs, including
preventive care; to assist a family member (or person who is
like family to the employee) who is ill, injured, or has other
health-related needs, including preventive care; or for reasons
resulting from, or to assist a family member (or person who is
like family to the employee) who is a victim of, domestic
violence, sexual assault, or stalking. Additional information
on contractor requirements and worker protections under the EO
is available at
<https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

WAGE DETERMINATION APPEALS PROCESS

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator

U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

Fringe benefit amounts are applicable for all hours worked except when otherwise noted.

No laborer, workman or mechanic shall be paid at a rate less than that of a Journeyman except those classified as bona fide apprentices.

Apprentices or trainees shall be permitted to work as such subject to Administrative Regulations adopted by the Commissioner of Workplace Standards. Copies of these regulations will be furnished upon request from any interested person.

Before using apprentices on the job the contractor shall present to the Contracting Officer written evidence of registration of such employees in a program of a State apprenticeship and training agency approved and recognized by the U. S. Bureau of Apprenticeship and Training. In the absence of such a State agency, the contractor shall submit evidence of approval and registration by the U. S. Bureau of Apprenticeship and Training.

The contractor shall submit to the Contracting Officer, written evidence of the established apprenticeship-journeyman ratios and wage rates in the project area, which will be the basis for establishing such ratios and rates for the project under the applicable contract provisions.

TO: EMPLOYERS/EMPLOYEES

PREVAILING WAGE SCHEDULE:

The wages indicated on this wage schedule are the least permitted to be paid for the occupations indicated. When an employee works in more than one classification, the employer must record the number of hours worked in each classification at the prescribed hourly base rate.

OVERTIME:

Overtime is to be paid to an employee at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty (40) hours in such workweek. Wage violations or questions should be directed to the designated Engineer or the undersigned.

Director
Division of Construction Procurement
Frankfort, Kentucky 40622
502-564-3500

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION
TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY
(Executive Order 11246)**

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE	GOALS FOR FEMALE PARTICIPATION IN EACH TRADE
5.2%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Notification of Construction Contract Award Portal (NCAP) is OFCCP's preferred method for receiving construction contract award notifications. The NCAP can be found on OFCCP's website at <https://www.dol.gov/agencies/ofccp/ncap>. Users who prefer not to use the portal maintain the option to send their notifications via mail, email and facsimile to the OFCCP Regional office in which the work will be performed. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification must include: Prime Contract Number (issued by the federal agency or applicant); Name of Awarding Federal Agency, Applicant or Contractor; Contracting Officer, Applicant Representative or Contractor Representative Submitting Notification with name, phone number, email address; Contractor Awarded Contract or Subcontract with name, address, phone number, email address, EIN, dollar amount of the contract, estimated start date of the contract, estimated completion date of the contract, geographical area in which the contract is to be performed (state, county's city (if applicable)).

The notification shall be mailed to:

**Regional Director
Office of Federal Contract Compliance Programs
61 Forsyth Street, SW, Suite 7B75
Atlanta, Georgia 30303-8931
Main Number: 404-893-4545 Fax: 404-893-4546
Regional Director Contact: OFCCP-SE@dol.gov
Construction Award Email: OFCCP-SE-ConstructionAward@dol.gov**

4. As used in this Notice, and in the contract resulting from this solicitation, the "**covered area**" is McCracken County.

**NOTICE OF REQUIREMENT FOR AFFIRMATIVE ACTION
TO ENSURE EQUAL EMPLOYMENT OPPORTUNITY
(Executive Order 11246)**

1. The Offeror's or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate work force in each trade on all construction work in the covered area, are as follows:

GOALS FOR MINORITY PARTICIPATION IN EACH TRADE	GOALS FOR FEMALE PARTICIPATION IN EACH TRADE
5.2%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally-assisted) performed in the covered area. If the contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and non-federally involved construction.

The Contractor's compliance with the Executive Order and the regulations in CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4, 3(a), and its efforts to meet the goals. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Notification of Construction Contract Award Portal (NCAP) is OFCCP's preferred method for receiving construction contract award notifications. The NCAP can be found on OFCCP's website at <https://www.dol.gov/agencies/ofccp/ncap>. Users who prefer not to use the portal maintain the option to send their notifications via mail, email and facsimile to the OFCCP Regional office in which the work will be performed. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten (10) working days of award of any construction subcontract in excess of \$10,000.00 at any tier for construction work under the contract resulting from this solicitation. The notification must include: Prime Contract Number (issued by the federal agency or applicant); Name of Awarding Federal Agency, Applicant or Contractor; Contracting Officer, Applicant Representative or Contractor Representative Submitting Notification with name, phone number, email address; Contractor Awarded Contract or Subcontract with name, address, phone number, email address, EIN, dollar amount of the contract, estimated start date of the contract, estimated completion date of the contract, geographical area in which the contract is to be performed (state, county's city (if applicable)).

The notification shall be mailed to:

**Regional Director
Office of Federal Contract Compliance Programs
61 Forsyth Street, SW, Suite 7B75
Atlanta, Georgia 30303-8931
Main Number: 404-893-4545 Fax: 404-893-4546
Regional Director Contact: OFCCP-SE@dol.gov
Construction Award Email: OFCCP-SE-ConstructionAward@dol.gov**

4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is Marshall County.

PART IV

BID ITEMS

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00190		LEVELING & WEDGING PG64-22	39.00	TON		\$	
0020	00301		CL2 ASPH SURF 0.38D PG64-22	119.00	TON		\$	
0030	00356		ASPHALT MATERIAL FOR TACK	.81	TON		\$	
0040	02676		MOBILIZATION FOR MILL & TEXT MARSHALL COUNTY	1.00	LS		\$	
0050	02677		ASPHALT PAVE MILLING & TEXTURING	45.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0060	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	9.00	EACH		\$	
0070	02159		TEMP DITCH	6,480.00	LF		\$	
0080	02160		CLEAN TEMP DITCH	3,240.00	LF		\$	
0090	02351		GUARDRAIL-STEEL W BEAM-S FACE	437.50	LF		\$	
0100	02367		GUARDRAIL END TREATMENT TYPE 1	2.00	EACH		\$	
0110	02460		REMOVE TREES OR STUMPS	48.00	EACH		\$	
0120	02650		MAINTAIN & CONTROL TRAFFIC MARSHALL COUNTY US 68 HSIP	1.00	LS		\$	
0130	02650		MAINTAIN & CONTROL TRAFFIC MCCRACKEN COUNTY US 68 HSIP	1.00	LS		\$	
0140	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0150	02697		EDGE LINE RUMBLE STRIPS	1,300.00	LF		\$	
0160	02701		TEMP SILT FENCE	6,480.00	LF		\$	
0170	02703		SILT TRAP TYPE A	6.00	EACH		\$	
0180	02704		SILT TRAP TYPE B	6.00	EACH		\$	
0190	02705		SILT TRAP TYPE C	6.00	EACH		\$	
0200	02706		CLEAN SILT TRAP TYPE A	6.00	EACH		\$	
0210	02707		CLEAN SILT TRAP TYPE B	6.00	EACH		\$	
0220	02708		CLEAN SILT TRAP TYPE C	6.00	EACH		\$	
0230	02726		STAKING MARSHALL COUNTY US 68 HSIP	1.00	LS		\$	
0240	02726		STAKING MCCRACKEN COUNTY US 68 HSIP	1.00	LS		\$	
0250	02775		ARROW PANEL	2.00	EACH		\$	
0260	03269		TRIM & REMOVE TREES & BRUSH	26,505.00	LF		\$	
0270	05950		EROSION CONTROL BLANKET	60.00	SQYD		\$	
0280	05952		TEMP MULCH	17,747.00	SQYD		\$	
0290	05953		TEMP SEEDING AND PROTECTION	13,310.00	SQYD		\$	
0300	05963		INITIAL FERTILIZER	1.40	TON		\$	
0310	05964		MAINTENANCE FERTILIZER	.80	TON		\$	
0320	05985		SEEDING AND PROTECTION	26,620.00	SQYD		\$	
0330	05992		AGRICULTURAL LIMESTONE	16.50	TON		\$	
0340	06514		PAVE STRIPING-PERM PAINT-4 IN	2,600.00	LF		\$	
0350	26175EC		ROADSIDE REGRADING	630.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0360	00462		CULVERT PIPE-18 IN	18.00	LF		\$	
0370	00464		CULVERT PIPE-24 IN	25.00	LF		\$	
0380	21819NN		FITTINGS	4.00	EACH		\$	
0390	26131ED		SLOPED AND MITERED HEADWALL-18 IN	2.00	EACH		\$	
0400	26132ED		SLOPED AND MITERED HEADWALL-24 IN	2.00	EACH		\$	

Section: 0004 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02562		TEMPORARY SIGNS	300.00	SQFT		\$	
0420	06406		SBM ALUM SHEET SIGNS .080 IN	1,303.30	SQFT		\$	
0430	06407		SBM ALUM SHEET SIGNS .125 IN	201.24	SQFT		\$	
0440	06410		STEEL POST TYPE 1	3,185.00	LF		\$	
0450	21373ND		REMOVE SIGN	232.00	EACH		\$	
0460	24631EC		BARCODE SIGN INVENTORY	380.00	EACH		\$	

Section: 0005 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0470	02569		DEMOBILIZATION	1.00	LS		\$	