



**CALL NO. 316**

**CONTRACT ID. 241308**

**TODD COUNTY**

**FED/STATE PROJECT NUMBER FD04 110 068X 002-003**

**DESCRIPTION WEST MAIN STREET (US 68X)**

**WORK TYPE WIDENING**

**PRIMARY COMPLETION DATE 6/30/2024**

**LETTING DATE: March 21,2024**

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME March 21,2024. Bids will be publicly announced at 10:00 AM EASTERN DAYLIGHT TIME.

**NO PLANS ASSOCIATED WITH THIS PROJECT.**

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

**TABLE OF CONTENTS**

PART I	SCOPE OF WORK <ul style="list-style-type: none"><li>• PROJECT(S), COMPLETION DATE(S), &amp; LIQUIDATED DAMAGES</li><li>• CONTRACT NOTES</li><li>• STATE CONTRACT NOTES</li><li>• COMPACTION OPTION B</li><li>• SPECIAL NOTE(S) APPLICABLE TO PROJECT</li><li>• PIPELINE INSPECTION</li><li>• NON-TRACKING TACK COAT</li><li>• RIGHT OF WAY CERTIFICATION</li><li>• UTILITY IMPACT &amp; RAIL CERTIFICATION NOTES</li></ul>
PART II	SPECIFICATIONS AND STANDARD DRAWINGS <ul style="list-style-type: none"><li>• STANDARD AND SUPPLEMENTAL SPECIFICATIONS</li><li>• [SN-1I] PORTABLE CHANGEABLE SIGNS</li><li>• STANDARD DRAWINGS THAT APPLY</li></ul>
PART III	EMPLOYMENT, WAGE AND RECORD REQUIREMENTS <ul style="list-style-type: none"><li>• LABOR AND WAGE REQUIREMENTS</li><li>• EXECUTIVE BRANCH CODE OF ETHICS</li><li>• KENTUCKY EQUAL EMPLOYMENT OPPORTUNITY ACT OF 1978 LOCALITY / STATE</li><li>• PROJECT WAGE RATES / STATE FUNDED</li></ul>
PART IV	INSURANCE
PART V	BID ITEMS

**PART I**

**SCOPE OF WORK**

**ADMINISTRATIVE DISTRICT - 03**

**CONTRACT ID - 241308**  
**FD04 110 068X 002-003**  
**COUNTY - TODD**  
**PCN - DE11000682408**  
**FD04 110 068X 002-003**

WEST MAIN STREET (US 68X) MINOR WIDENING TO PROVIDE WESTBOUND LEFT TURN LANE AT TODD  
COUNTY MIDDLE SCHOOL, A DISTANCE OF 0.17 MILES.WIDENING SYP NO. 03-09031.00.  
GEOGRAPHIC COORDINATES LATITUDE 36:48:40.00 LONGITUDE 87:09:43.00  
ADT

**COMPLETION DATE(S):**  
COMPLETED BY 06/30/2024                      APPLIES TO THE CONTRACT



## **CONTRACT NOTES**

### **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](http://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](mailto: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](http://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 contractor, as defined in KRS 45A.030 (9) 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 contract for the purpose of financial audit or program review. Records and other prequalification information confidentially disclosed as part of the bid process shall not be deemed as directly pertinent to the contract and

shall be exempt from disclosure as provided in KRS 61.878(1)(c). 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.

In the event of a dispute between the contractor and the contracting agency, Attorney General, or the Auditor of Public Accounts over documents that are eligible for production and review, the Finance and Administration Cabinet shall review the dispute and issue a determination, in accordance with Secretary's Order 11-004.

### **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: 2/29/2024

## 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

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

10/26/2023

**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.**

## **SPECIAL NOTE FOR RECIPROCAL PREFERENCE**

### **RECIPROCAL PREFERENCE TO BE GIVEN BY PUBLIC AGENCIES TO RESIDENT BIDDERS**

By reference, KRS 45A.490 to 45A.494 are incorporated herein and in compliance regarding the bidders residency. Bidders who want to claim resident bidder status should complete the Affidavit for Claiming Resident Bidder Status along with their bid in the electronic bidding software. Submittal of the Affidavit should be done along the bid in Bid Express.

April 30, 2018

**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

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### **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 the following stations:

- **West Main Street (US 68X): MP 2.200 to MP 2.369**

### **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 acquired additional Right-of-Way and easements to complete this work. These limits are shown on the detail sheets. Unless a consent and release form is obtained from the adjoining property owner, limit work activities to the right of way, temporary construction easements and permanent drainage easements or staging areas secured 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. The contractor shall 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.

### **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:

- **3-9031.00 - West Main Street (US 68X): MP 2.200 to MP 2.369**

#### **Roadway:**

The attached detail sheets provide standard bid items and the quantities anticipated to complete the turn lane construction. The following construction processes will be considered incidental to the line item for Roadway Excavation (2200) and will include all necessary labor and materials for the proper installation of: excavation, embankment in place, fence removal, curb removal, pavement removal, saw cutting to create neat project line for construction and erosion control measures. The fence removal amount will be determined on site by the engineer and will be made at a support post. It will be the contractor's responsibility to ensure the remaining fence is sturdy and secure. Embankment in Place and excavation will be performed as indicated on the detail sheets. The Contractor is responsible for sodding or seeding and stabilizing all disturbed areas. Earthwork quantities on the attached detail sheets are for estimation purposes only, as they are not an exact quantity. The Contractor must meet the desired elevations and slopes as shown on the attached cross sections.

The Contractor is to perform all grading activities to prepare the subgrade in accordance with the attached detail sheets and construct road widening, curb & gutter, drop box inlets, storm sewer, sodding and striping in accordance with the KYTC Standard Specifications for Road and Bridge Construction.

#### **Site Map:**

A site map has been included to show the general project location. Locations shown on the site map are approximate. Actual locations and lengths/widths are shown on the attached detail sheets and are to be verified on site by the engineer.

Contractor is responsible for calling in BUD Locate before beginning any work. The state has checked utilities and we do not feel that there will be any utility involvement with said work, but the Contractor will still be responsible for any damage to existing utilities. Atmos Energy has abandoned a gas line as part of their utility relocations for this project. It is anticipated this abandoned line will be encountered during roadway construction and the contractor should coordinate with Atmos Energy regarding this line. Utility relocation detail sheet have been included with this proposal as information only.

Contractor is responsible for all traffic control during construction. The Department requires a clear lane width of 10' at all times. It is the intent of the Department to construct this project during Todd County Schools summer break, however, if construction does take place after school is back in session lane closures will be restricted between the hours of 7:00-9:00am and 2:00-4:00pm on Monday - Friday.

## SPECIAL NOTES FOR COMPLETION DATES & LIQUIDATED DAMAGES

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It is the intent of the Department to construct this project over Todd County School District's summer break. The start date will be after the last day of school for the 2023-2024 school year and the ultimate fixed completion date for this project will be **July 30<sup>th</sup>, 2024**. Liquidated Damages for failure to complete the project on time will be assessed following Section 108.09.

The Contractor shall notify the Engineer two (2) weeks prior to beginning construction activities. The Department will assess Liquidated Damages for failure to complete construction on time.

## SPECIAL NOTE FOR STAKING

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

1. Contrary to Section 201, perform items 1-3 usually performed by the Engineer.
2. Verify the dimensions, type, and quantities of the culvert pipes and/or entrance pipes 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.
3. 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 Traffic Control Devices (MUTCD), current edition. The MUTCD covers 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 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.
4. 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.
5. Prior to incorporating into the work, obtain the Engineer's approval of all revisions determined by the Contractor.
6. Perform any and all other staking operations required to control and construct the work.

## **SPECIAL NOTE FOR EROSION CONTROL**

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### **A. DESCRIPTION**

Perform all erosion and water pollution control work in accordance with any other notes in the Proposal, the Department's Standard and Interim Supplemental Specifications, the Special Provisions and Special Notes, and the Standard and Sepia Drawings, current editions, or as directed by the Engineer. Section references are to the Standard Specifications. This work shall consist of:

- (1) Developing and preparing a Best Management Practices Plan (BMP) tailored to suit the specific construction phasing for each site within the project; (2) Preparing the project site for construction, including locating, furnishing, installing, and maintaining temporary and/or permanent erosion and water pollution control measures as required by the BMP prior to beginning any earth disturbing activity on the project site; (3) Clearing and grubbing and removal of all obstructions as required for construction; (4) Removing all erosion control devices when no longer needed; (5) Restoring all disturbed areas as nearly as possible to their original condition; (6) Preparing seedbeds and permanently seeding all disturbed areas;
- (7) Providing a Kentucky Erosion Prevention and Sediment Control Program (KEPSC) qualified inspector; and (8) Performing any other work to prevent erosion and/or water pollution as specified by this contract, required by the BMP, or as directed by the Engineer.

### **II. MATERIALS**

Furnish materials in accordance with these notes, the Standard Specifications and Interim Supplemental Specifications, applicable Special Provisions and Special Notes, and the Standard and Sepia Drawings, current editions. Provide for all materials to be sampled and tested in accordance with the Department's Sampling Manual. Unless directed otherwise by the Engineer, make the materials available for sampling a sufficient time in advance of the use of the materials to allow for the necessary time for testing.

### **III. CONSTRUCTION**

Be advised, these Erosion Control Notes do not constitute a BMP plan for the project. Jointly with the Engineer, prepare a site specific BMP plan for each drainage area within the project in accordance with Section 213. Provide a unique BMP at each project site using good engineering practices taking into account existing site conditions, the type of work to be performed, the construction phasing, methods, and the techniques to be utilized to complete the work. Be responsible for all erosion prevention, sediment control, and water pollution prevention measures required by the BMP for each site. Represent and warrant compliance with the Clean Water Act (33 USC Section 1251 et seq.), the 404 Permit, the 401 Water Quality Certification, and applicable state and local government agency laws, regulations, rules, specifications, and permits. Contrary to Section 105.05, in case of discrepancy between these notes, the Standard Specifications, Interim Supplemental Specifications, Special Provisions and Special Notes, Standard and Sepia Drawings, and such state and local government agency requirements, adhere to the most restrictive requirement.

Conduct operations in such a manner as to minimize the amount of disturbed ground during each phase of the construction and limit the haul roads to the minimum required to perform the work. Preserve existing vegetation not required to be removed by the work or the contract. Seed and/or mulch disturbed areas at the earliest opportunity. Use silt fence, silt traps, temporary ditches, brush barriers, erosion control blankets, sodding, channel lining, and other erosion control measures in a timely manner as required by the BMP and as directed or approved by the Engineer. Prevent sediment-laden water from leaving the project, entering an existing drainage structure, or entering a stream.

Provide for erosion control measures to be in place and functioning prior to any earth disturbance within a drainage area. Compute the volume and size of silt control devices necessary to control sediment during each phase of construction. All silt control devices shall be sized to retain a volume of 3,600 cubic feet per disturbed contributing acre. Remove sediment from silt traps before they become a maximum of  $\frac{1}{2}$  full. Maintain silt fence by removing accumulated trappings and/or replacing the geotextile fabric when it becomes clogged, damaged, or deteriorated, or when directed by the Engineer. Properly dispose of all materials trapped by erosion control devices at approved sites off the right of way obtained by the Contractor at no additional cost to the Department. See the Special Provision for Waste and Borrow Sites.

As work progresses, add or remove erosion control measures as required by the BMP, applicable to the Contractor's project phasing, construction methods, and techniques. Update the volume calculations and modify the BMP as necessary throughout the duration of the project. Ensure that an updated BMP is kept on site and available for public inspection throughout the life of the project.

The required volume at each Silt Trap shall be computed based on the Up Gradient Contributing Areas that are disturbed and/or stabilized to the satisfaction of the Engineer. The required volume calculation for each Silt Trap shall be determined by the Contractor and verified by the Engineer. The required volume at each Silt Trap may be reduced by the following amounts:

- Up Gradient Areas not disturbed (acres)
- Up Gradient Areas that have been reclaimed and protected by Erosion Control Blanket or other ground protection material such as Temporary Mulch (acres)
- Up Gradient Areas that have been protected by Silt Fence (acres) – Areas protected by Silt Fence shall be computed at a maximum rate of 100 square feet per linear foot of Silt Fence
- Up Gradient Areas that have been protected by Silt Traps (acres) The

use of Temporary Mulch is encouraged.

Silt Trap Type B shall always be placed at the collection point prior to discharging into a Blue Line Stream or onto an adjacent Property Owner. Where overland flow exists, a Silt Fence or other filter devices may be used.

After all construction is complete, restore all disturbed areas in accordance with Section 212. Completely remove all temporary erosion control devices not required as part of the permanent erosion control from the construction site. Prior to removal, obtain the Engineer's concurrence of items to be removed. Grade the remaining exposed earth (both on and off the Right-of-Way) as nearly

as possible to its original condition, or as directed by the Engineer. Prepare the seed bed areas and sow all exposed earthen areas with the applicable seed mixture(s) according to Section 212.03.03.

#### **IV. MEASUREMENT**

Erosion control countermeasures and seeding will be incidental to Site Preparation bid item.

#### **V. BASIS OF PAYMENT**

Erosion control countermeasures and seeding will be incidental to Site Preparation bid item.

## SPECIAL NOTE FOR TRAFFIC CONTROL

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### TRAFFIC CONTROL GENERAL

Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid at the lump sum bid price to "Maintain and Control Traffic" as set forth in the Standard and Supplemental Specifications and the Standard and Sepia Drawings, current editions, unless otherwise provided in these notes. The lump sum bid price to "Maintain and Control Traffic" shall also include, but is not limited to, the following items and operations:

- A. All labor and materials necessary for construction and maintenance of traffic control devices and markings.
- B. All flag persons and traffic control devices such as, but not limited to, flashers, signs, barricades and vertical panels, plastic drums (steel drums will not be permitted), and cones, necessary for the control and protection of vehicular and pedestrian traffic as specified in these notes, the proposal, the Manual on Uniform Traffic Control Devices (MUTCD) current edition, or the Engineer.

Contrary to Section 106.01, furnish new, or used in like new condition, traffic control devices at the beginning of the work and maintain 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 when no longer needed. Traffic control devices will conform to current MUTCD.

Maintain access to all entrances, side streets and roads, schools, churches and commercial properties at all times during construction. Access to fire hydrants must also be maintained at all times. The Contractor will be responsible to notify adjacent property owners when work affecting the entrances will be performed.

### PROJECT PHASING & CONSTRUCTION PROCEDURES

For all construction activities, utilize a lane closure, and maintain at least one lane of travel in each direction. 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. Lane closures SHALL NOT be allowed.

#### Holiday & Special Events

July 4th Weekend

Thursday, July 4, 2024 – Sunday, July 7, 2024

It is the intent of the Department to construct this project over Todd County School District's summer break. If for some unforeseen reason construction activities continue during the school year construction activities that involve closures or affect traffic flow shall not be allowed between the hours of 7:00 AM and 9:00 AM or between 2:00 PM and 4:00 PM Monday – Friday during the school year.

The Contractor shall completely cover any signs, existing, permanent, or temporary, which do not properly apply to the current traffic phasing and shall maintain the covering until signs are applicable or are removed.

In general, all traffic control devices shall be placed starting and proceeding in the direction of the



flow of traffic and removed starting and proceeding in the direction opposite the flow of traffic.

## **SIGNS**

All signing shall be approved by the Engineer before work can be started by the Contractor.

All temporary signs will not be measured for payment but shall be incidental to Maintain and Control Traffic. Individual signs will be measured only once for payment, regardless of how many times they are set, reset, relocated, and removed during the duration of the project. Replacements for damaged signs directed by the Engineer to be replaced due to poor condition or reflectivity will not be measured for payment.

## **PORTABLE CHANGEABLE MESSAGE SIGNS**

Provide portable changeable message sign (PCMS) at least two weeks prior to construction at the locations approved by the Engineer. The messages required to be provided will be designated by the Engineer. The PCMS will be in operation at all times. In the event of damage or mechanical/electrical failure, the contractor will repair or replace the PCMS immediately. The Department will not take possession of the signs upon completion of the work. The Department will measure for payment the maximum number of PCMS in concurrent use at the same time on a single day on all sections of the contract. PCMS will be paid for once, no matter how many times they are set, reset, removed, and relocated during the duration of the project. Replacements for damaged changeable message signs directed by the Engineer to be replaced due to poor condition or readability will not be measured for payment.

## **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.

## **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 final surface course. Removal of pavement markings will be by waterblasting process to the satisfaction of the Engineer. Place temporary and permanent striping in accordance with Section 112 with following exception for Temporary Striping:

If the Contractor's operations or phasing requires temporary markings that must subsequently be removed from the final surface course or existing surface to remain in place, 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 is expected to cross in a lane change situation with an elevation difference greater than 1 ½". Place Warning signs (MUTC 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 unsurfaced

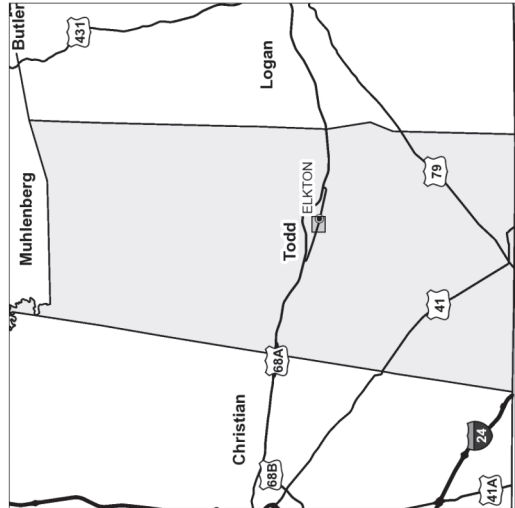
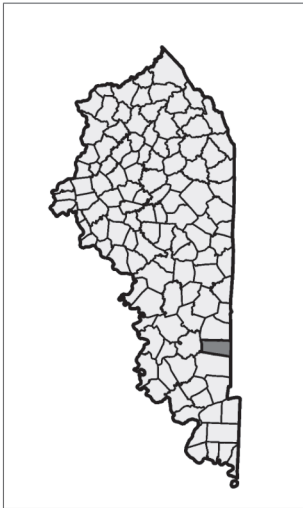
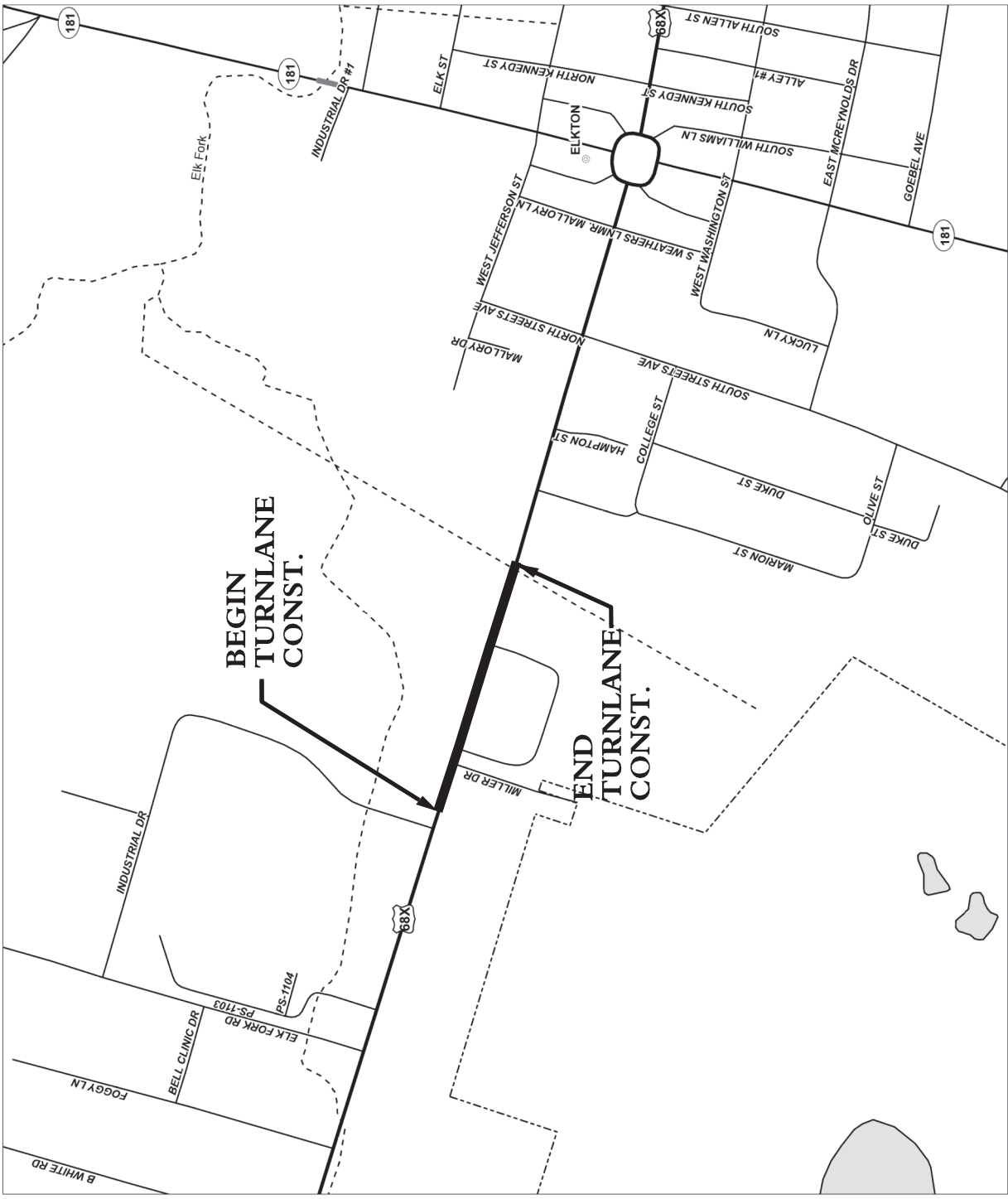
areas which traffic may cross with asphalt mixture for leveling and wedging. Remove the wedges prior to placement of the final surface course.

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

Less than 2" – Not protection required. Warning signs should be placed in advance and throughout the drop-off area.

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. Spacing of devices on tapered sections shall be in accordance with MUTCD, current edition. When work is not active in the drop-off area, wedge the drop-off with DGA or asphalt mixture for leveling and wedging with 1:1 or flatter slope in daylight hours, or 3:1 or flatter slope during nighttime hours.

Greater than 4" – Positive separation or wedge with a 3:1 or flatter slope. If there is five feet or more distance between the edge of pavement and drop-off, then drums, panels, or barricades may be used. If the drop-off is greater than 12 inches, positive separation is strongly encouraged. If concrete barriers are used, special reflective devices or steady burn lights should be used for overnight installations. Barricades may be used if the drop-off is greater than 12 inches.





COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



TRANSPORTATION  
DIVISION

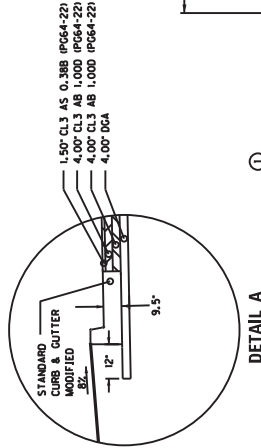
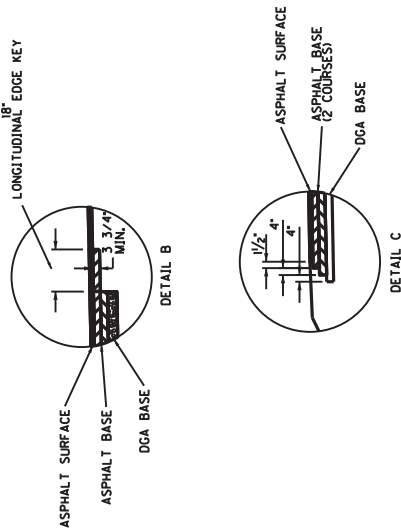
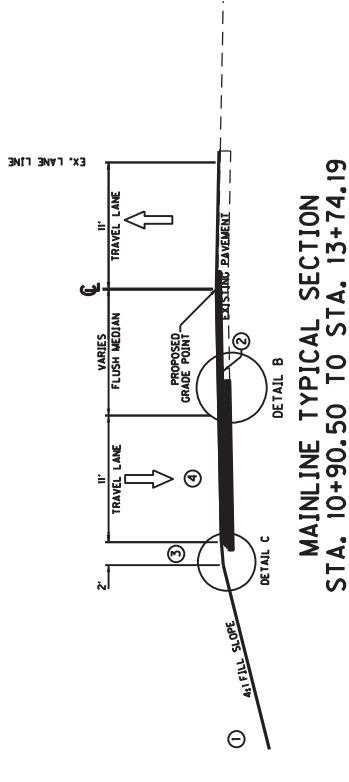
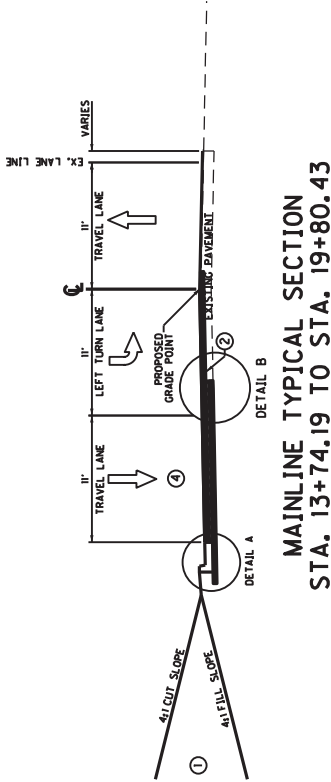
DRAWING TITLE: ACCESS ROAD LAYOUT SHEET

ITEM NO.  
03-9031.00  
SHEET NO. R1

COUNTY OF  
TODD

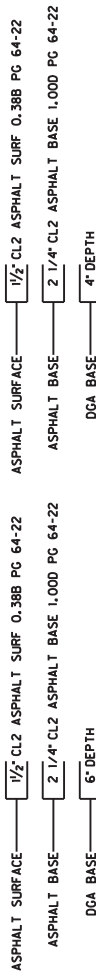
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USER: brett.duncan  
FILE NAME: C:\PW\WORK\K\TODD\BRET.DUNCAN\ID2308206\03\_9031\_00\_AUXILIARY.DGN

# TYPICAL SECTIONS

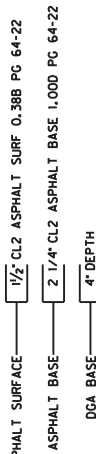


## PAVED ENTRANCE SECTION

COMMERCIAL ENTRANCE PAVEMENT

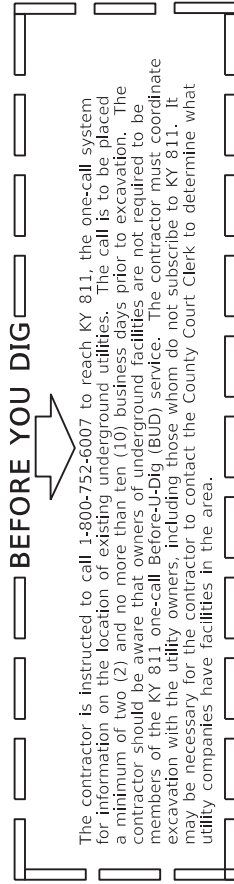


RESIDENTIAL ENTRANCE PAVEMENT



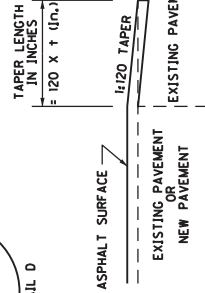
### NOTES:

- SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
- LONGITUDINAL EDGE KEY
- CSB SHOULDERS SHALL BE CONSTRUCTED WITH A 4% CROSS SLOPE EXCEPT ON HIGH SIDE OF SUPERELEVATED SECTION.
- 2% TYPICAL PAVEMENT CROSS SLOPE.
- CONSTRUCT ENTRANCE SHOULDERS WITH AN 8% CROSS SLOPE.



The contractor is instructed to call 1-800-752-6007 to reach KY 811, the one-call system for information on the location of existing underground utilities. The call is to be placed a minimum of two (2) and no more than ten (10) business days prior to excavation. The contractor should be aware that owners of underground facilities are not required to be members of the KY 811 one-call Before-You-Dig (BUD) service. The contractor must coordinate excavation with the utility owners, including those whom do not subscribe to KY 811. It may be necessary for the contractor to contact the County Court Clerk to determine what utility companies have facilities in the area.

TAPERING OF OVERLAYS ON LOW SPEED FACILITIES (<45 MPH)



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: ACCESS ROAD TYPICAL SECTION SHEET

ITEM NO. 03-9031.00	COUNTY OF TODD
SHEET NO. R2A	

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	MAINLINE
78	CRUSHED AGGREGATE NO. 2 (FOR STABILIZATION)	TON	100
1314	PLUG PIPE	EACH	1
1811	STANDARD CURB AND GUTTER	LF	374
1890	ISLAND HEADER CURB TYPE 1	LF	191
2200	ROADWAY EXCAVATION	CUYD	1
2562	TEMPORARY SIGNS	SQFT	100
2569	DEMOBILIZATION	LS	1
2585	EDGE KEY	LF	48
2603	FABRIC-GEOTEXTILE CLASS 2 (FOR STABILIZATION)	SQYD	500
2607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	SQYD	1000
2650	MAINTAIN & CONTROL TRAFFIC	LS	1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2
2726	STAKING	LS	1
5990	SODDING	SQYD	50
6511	PAVE STRIPING-TEMP PAINT-6 IN	LF	10000
6515	PAVE STRIPING-PERM PAINT-6 IN	LF	5194
6547	PAVE STRIPING-THERMO-12 IN Y	LF	192
6574	PAVE MARKING-THERMO CURV ARROW	EACH	3
21289ED	LONGITUDINAL EDGE KEY	LF	875
22664EN	WATER BLASTING EXISTING STRIPE	LF	500
24814EC	PIPELINE INSPECTION	LF	1205

NOTES

- Ⓐ INCLUDED FOR STABILIZATION TO BE USED AT THE DIRECTION OF THE ENGINEER
- Ⓑ ANY MILLING REQUIRED TO KEY IN ENTRANCE SURFACE WILL BE INCIDENTAL TO ASPHALT SURFACE

PAVING SUMMARY

ITEM CODE	ITEM	UNIT	OVERLAY	FULL DEPTH WIDENING	ENTRANCES	TOTALS
1	DGA	TONS		233	132	365
212	CL2 ASPH BASE 1.00D PG64-22	TONS		291	47	338
301	CL2 ASPH SURF 0.38D PG64-22	TONS	255	55	31	340
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	TONS	1.1	0.5	0.1	2

PAVING AREAS

ITEM	OVERLAY		FULL DEPTH WIDENING		ENTRANCES		TOTALS
	SQUARE YARDS		SQUARE YARDS		SQUARE YARDS		SQUARE YARDS
1.50" CL2 ASPH SURF 0.38D PG64-22	3088		661		374		4123
2 1/4" CL2 ASPH BASE 1.00D PG64-22					378		378
4" CL2 ASPH BASE 1.00D PG64-22			661				661
4" CL2 ASPH BASE 1.00D PG64-22			661				661
4" DGA	Ⓚ		1015				1015
6" DGA	Ⓚ				382		382
ASPHALT MATERIAL FOR TACK NON-TRACKING	3088		1322		378		4788

NOTES

- ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH, UNLESS NOTED OTHERWISE.
- Ⓚ ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH.
- Ⓛ CALCULATED AT 0.70 LBS PER SQ. YD. PER SPECIAL NOTE



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

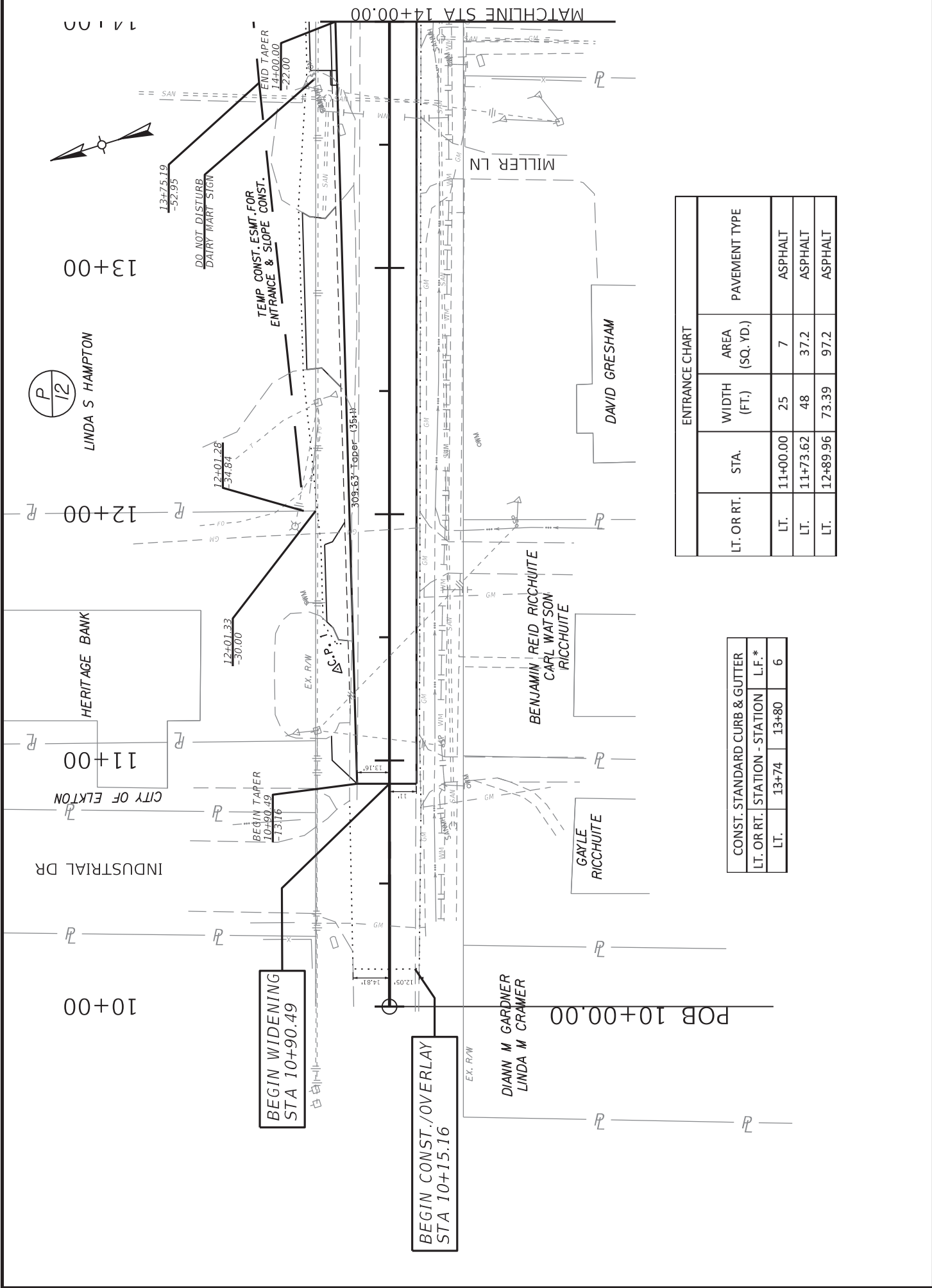
DRAWING TITLE: ACCESS ROAD GENERAL & PAVING SUMMARY SHEET

ITEM NO.  
03-9031.00  
SHEET NO.  
R2B

COUNTY OF  
TODD

\*INCIDENTAL TO PIPE COST

 <b>COMMONWEALTH OF KENTUCKY</b> DEPARTMENT OF HIGHWAYS	<b>DRAWING TITLE: STORM SEWER SUMMARY</b>	ITEM NO. 03-9031.00	COUNTY OF TODD
		SHEET NO. R2C	



CONST. STANDARD CURB & GUTTER		
LT. OR RT.	STATION - STATION	L.F.*
LT.	13+74	13+80
		6

ENTRANCE CHART			
LT. OR RT.	STA.	WIDTH (FT.)	AREA (SQ. YD.)
LT.	11+00.00	25	7
LT.	11+73.62	48	37.2
LT.	12+89.96	73.39	97.2

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

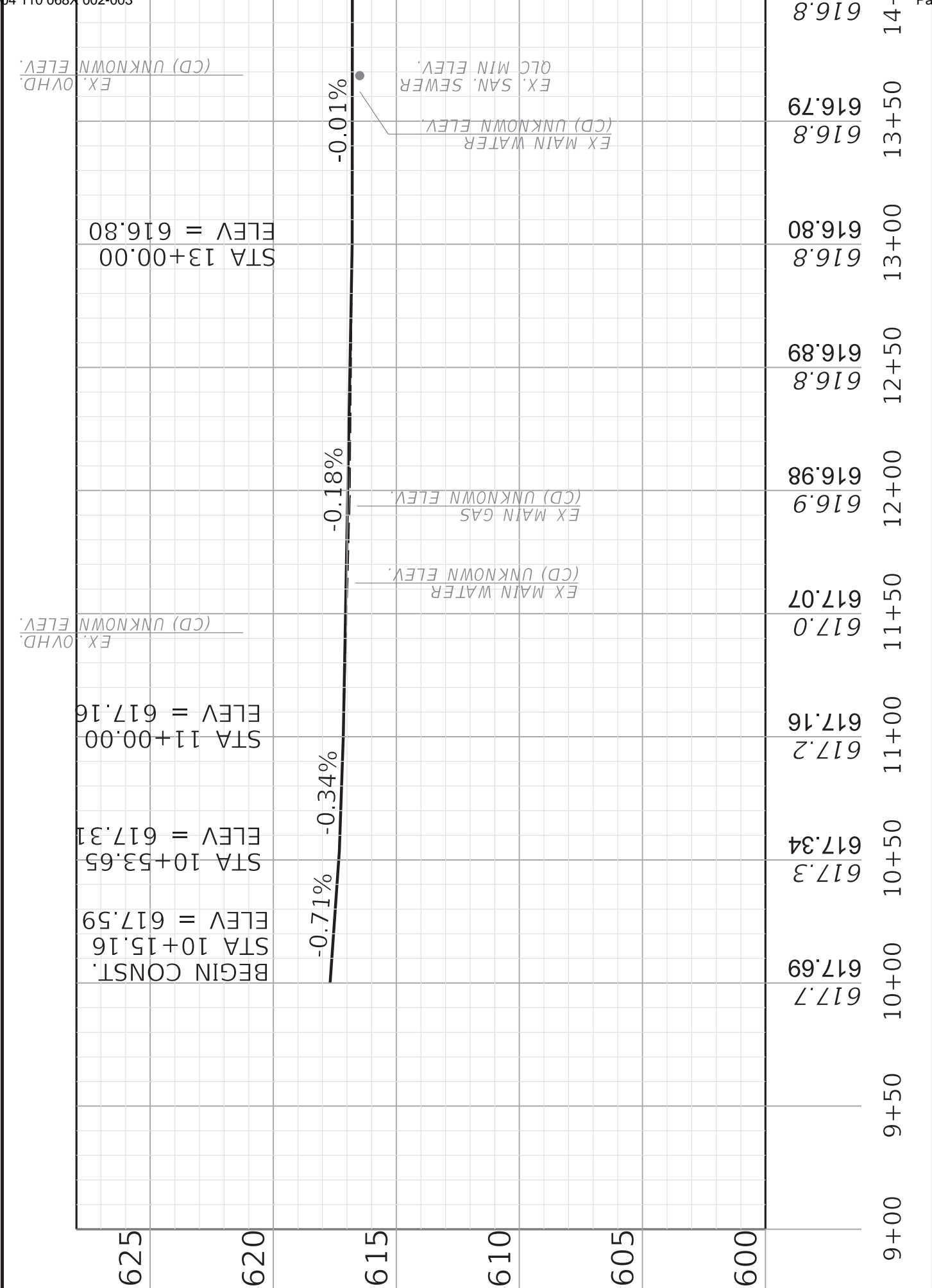
DRAWING TITLE: 03-9031.00 PLAN SHEET  
STA 10+00.00 TO STA 14+00.00

ITEM NO.  
03-9031.00  
SHEET NO.  
R3

COUNTY OF  
TODD

0' 25' 50' 100'

HORIZONTAL SCALE: 1"=50'

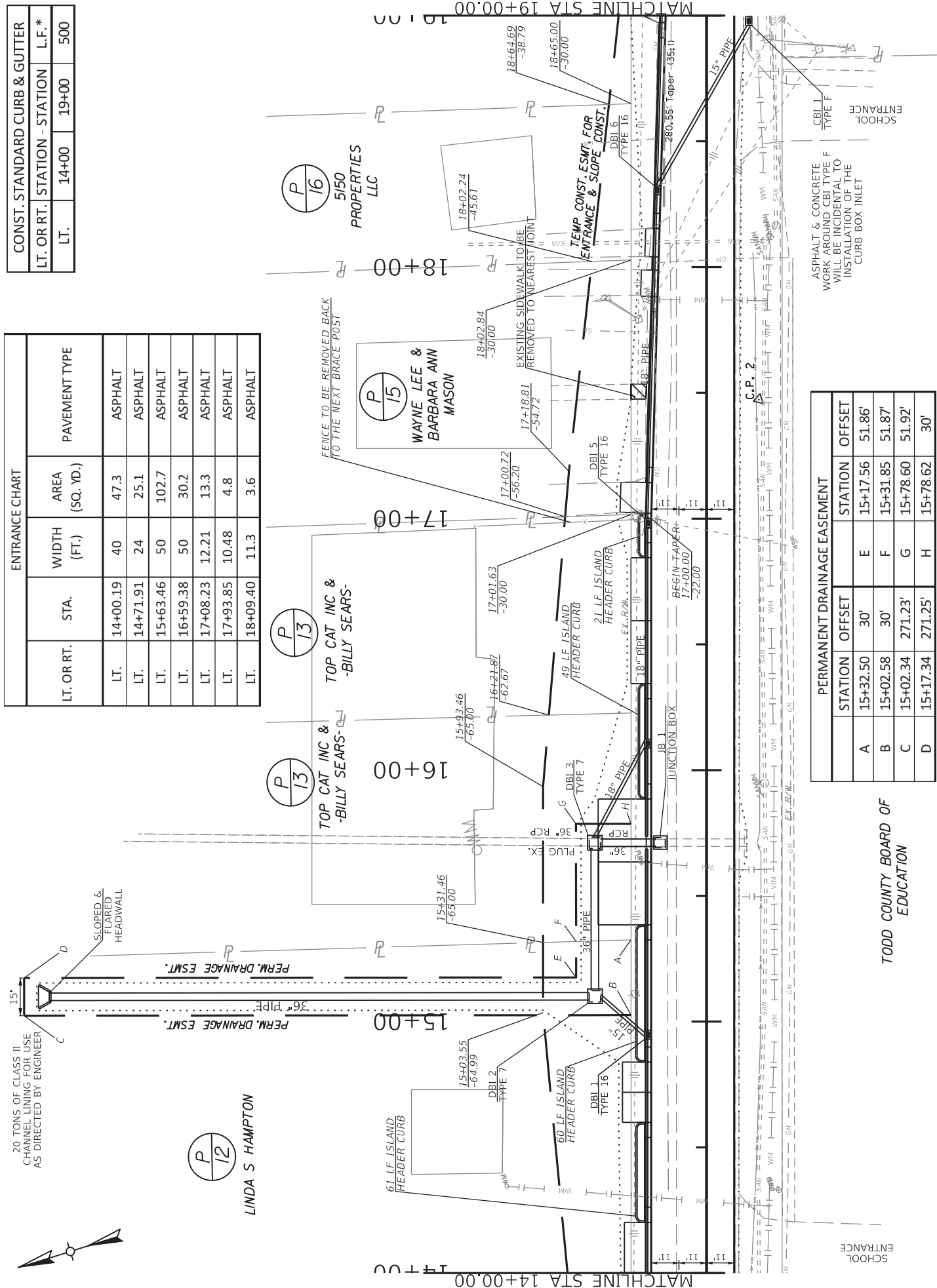


COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: PROFILE STA 10+00 TO 14+00		COUNTY OF TODD	
			ITEM NO. 03-9031.00	SHEET NO. R4



CONST. STANDARD CURB & GUTTER			
LT. OR RT.	STATION - STATION	L.F.*	
LT.	14+00	19+00	500

ENTRANCE CHART			
LT. OR RT.	STA.	WIDTH (FT.)	PAVEMENT TYPE
LT.	14+00.19	40	ASPHALT
LT.	14+71.91	24	ASPHALT
LT.	15+63.46	50	ASPHALT
LT.	16+59.38	50	ASPHALT
LT.	17+08.23	12.21	ASPHALT
LT.	17+93.85	10.48	ASPHALT
LT.	18+09.40	11.3	ASPHALT



PERMANENT DRAINAGE EASEMENT					
	STATION	OFFSET		STATION	OFFSET
A	15+32.50	30'	E	15+17.56	51.86'
B	15+02.58	30'	F	15+31.85	51.87'
C	15+02.34	271.23'	G	15+78.60	51.92'
D	15+17.34	271.25'	H	15+78.62	30'

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

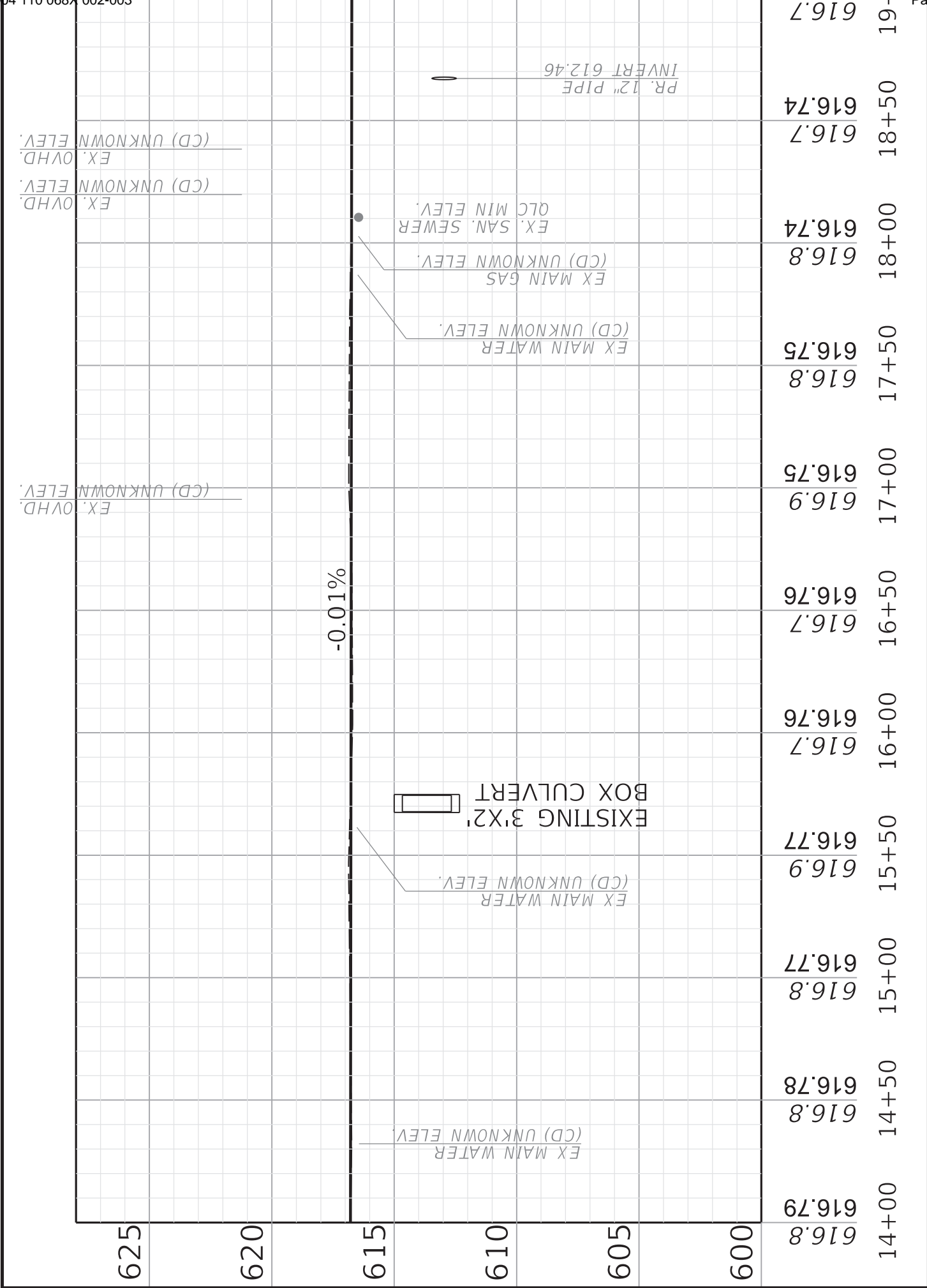
DRAWING TITLE: 03-9031.00 PLAN SHEET  
STA 14+00.00 TO 19+00.00

ITEM NO.  
03-9031.00  
SHEET NO.  
R5

COUNTY OF  
TODD

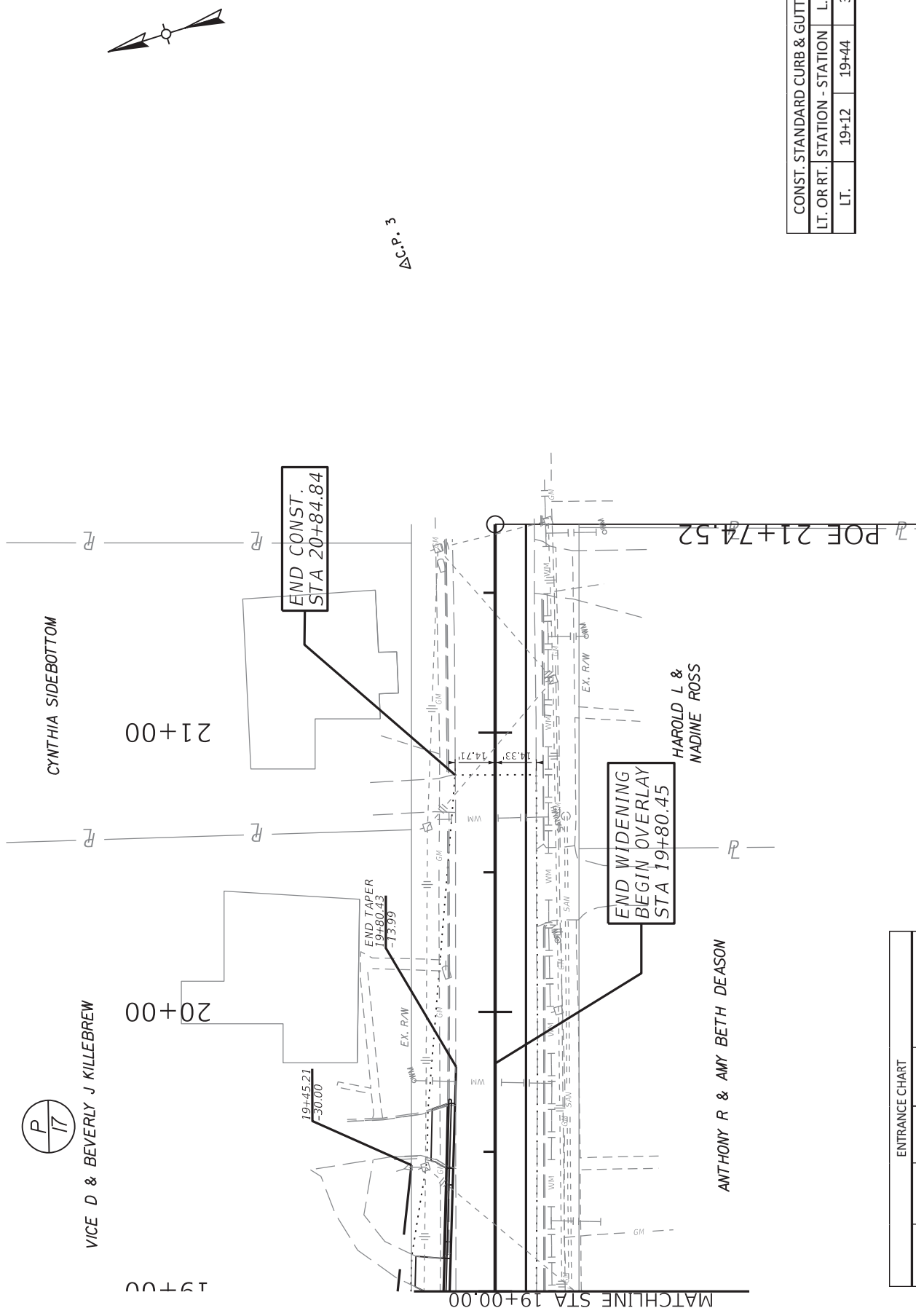
0'  
25'  
50'  
100'

HORIZONTAL SCALE: 1"=50'



COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: PROFILE STA 14+00 TO 19+00		ITEM NO. 03-9031.00 SHEET NO. R6	COUNTY OF TODD

OpenRoads Designer v10.12.02.4  
FILE NAME: C:\PW\WORK\KYTC\_BRETT.DUNCAN\1931039\03\_9031\_00\_PLANPROFILE.DGN.DGN  
USER: brett.duncan



ΔC.P. 3

CONST. STANDARD CURB & GUTTER			
LT. OR RT.	STATION - STATION	L.F.*	
LT.	19+12	19+44	32

ENTRANCE CHART			
LT. OR RT.	STA.	WIDTH (FT.)	AREA (SQ. YD.)
LT.	19+03.53	14.58	14.1
LT.	19+55.69	23.12	12.3

PAVEMENT & SHOULDER TAPERS LEFT OF CENTERLINE					
TYPE	BEGIN STATION	BEGIN OFFSET	END STATION	END OFFSET	TAPER RATE
LANE LINE	10+90.49	13.16'	14+00.00	22.00'	35
LANE LINE	14+00.00	22.00'	17+00.00	22.00'	N/A
LANE LINE	17+00.00	22.00'	19+80.43	13.99'	35

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: 03-9031.00 PLAN SHEET  
STA 19+00.00 TO 21+74.52

ITEM NO.  
03-9031.00

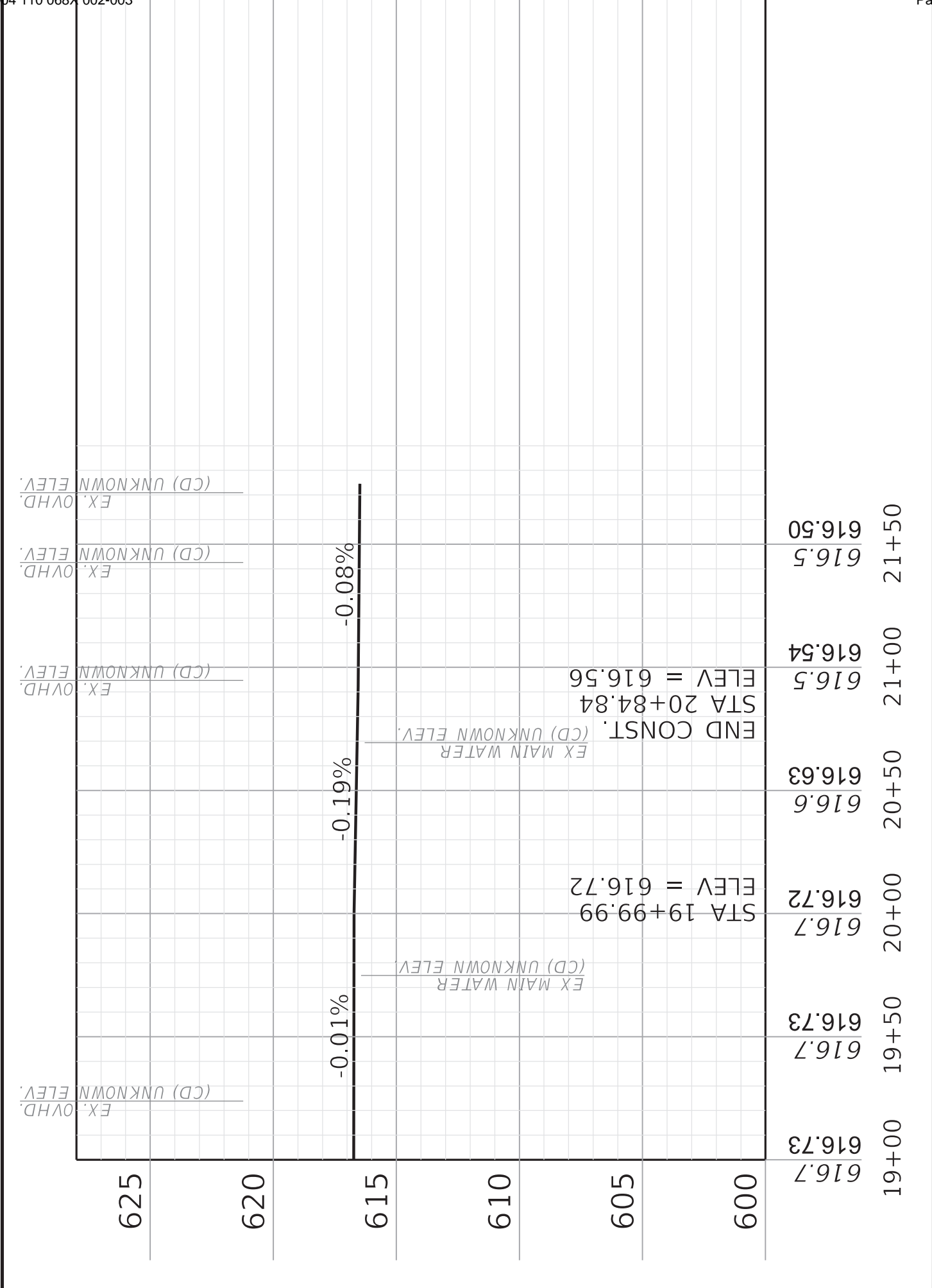
COUNTY OF  
TODD

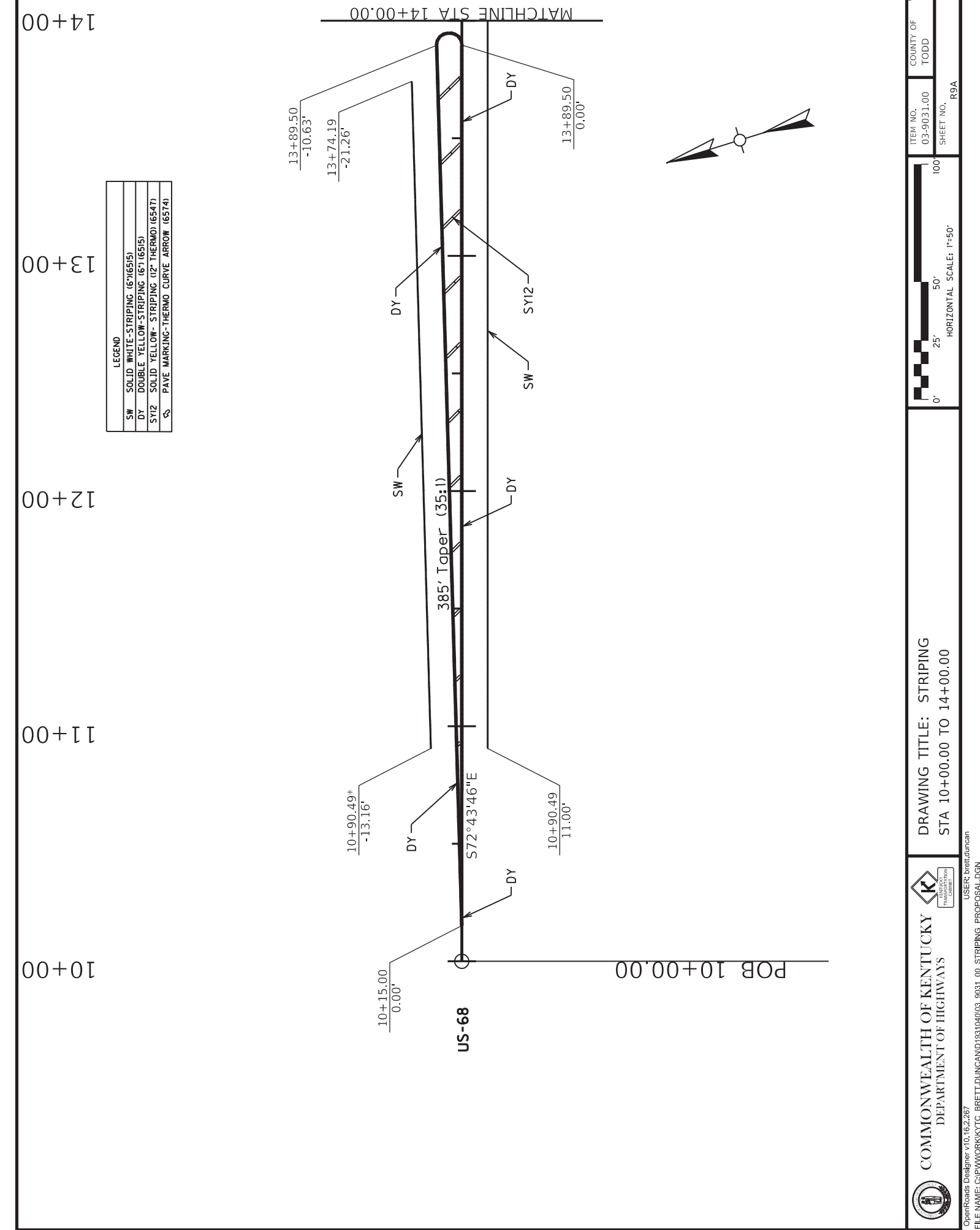
SHEET NO.  
R7

0' 25' 50' 100'

HORIZONTAL SCALE: 1"=50'

USER: breitt.duncan  
OpenRoads Designer v10.16.0.80  
FILE NAME: C:\P\WORK\KYTC\_BRETT.DUNCAN\1931039103\_9031\_00\_PLANPROFILE.DGN





LEGEND	
SW	SOLID WHITE-STRIPING (6"X65'5)
DY	DOUBLE YELLOW-STRIPING (6"X65'5)
SY12	SOLID YELLOW-STRIPING (12" THERMO) (65'47)
SS	PAVE MARKING-THERMO CURVE ARROW (65'74)

**COMMONWEALTH OF KENTUCKY**  
DEPARTMENT OF HIGHWAYS

**DRAWING TITLE: STRIPING**  
STA 10+00.00 TO 14+00.00

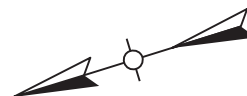
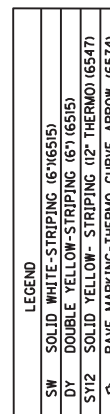
ITEM NO.  
03-9031.00  
SHEET NO.  
R9A

COUNTY OF  
TODD

**HORIZONTAL SCALE: 1"=50'**

OpenRoads Designer v10.16.2.267  
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USER: brett.duncan

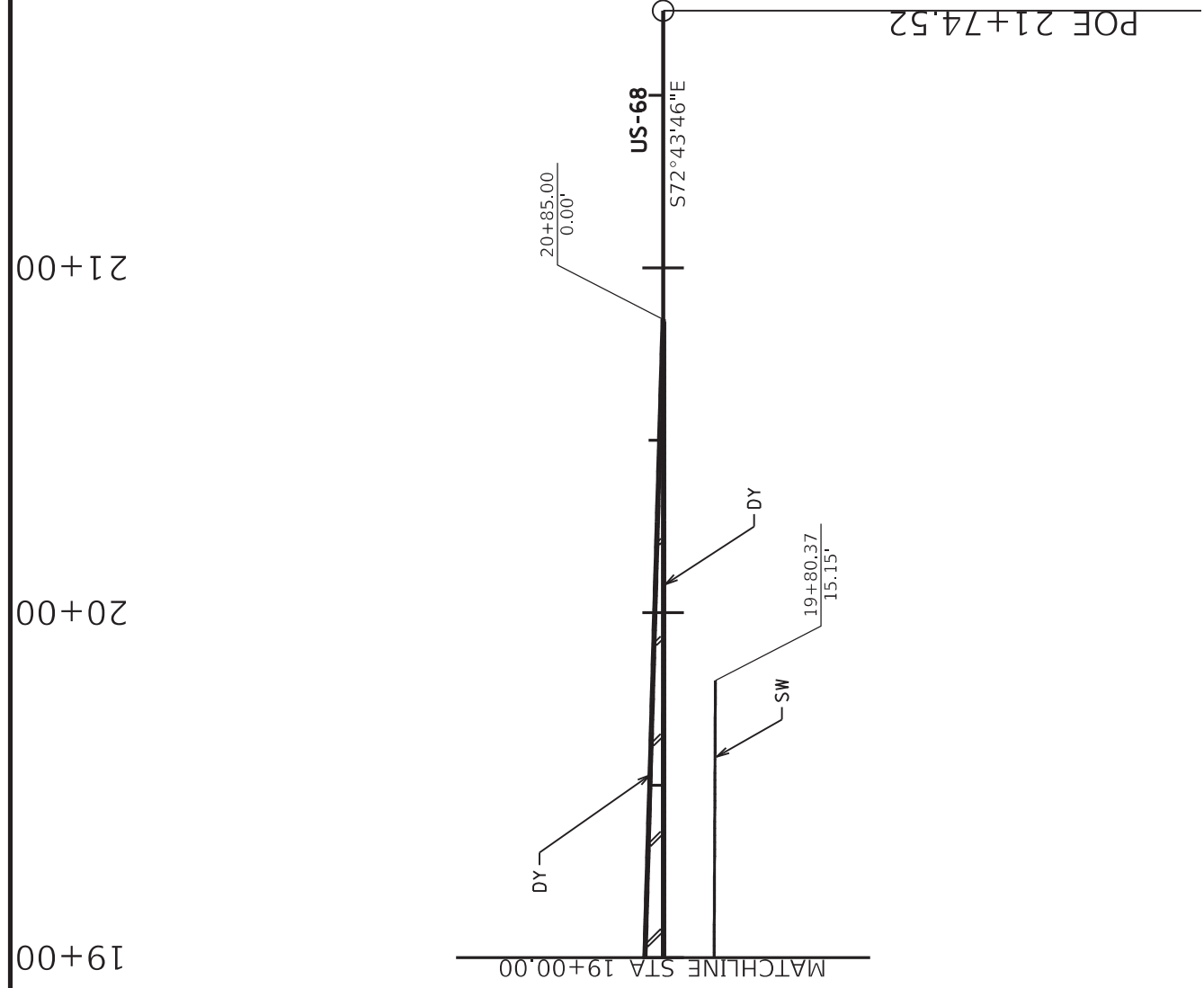


DRAWING TITLE: STRIPING  
STA 14+00.00 TO 19+00.00



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS





LEGEND	
SW	SOLID WHITE-STRIPING (6"X6515)
DY	DOUBLE YELLOW-STRIPING (6"X6515)
SY12	SOLID YELLOW- STRIPING (12" THERMO) (6547)
CS	PAVE MARKING-THERMO CURVE ARROW (6574)

TOTAL PROJECT QUANTITIES			
SOLID PAVE STRIPING-TEMP PAINT-6 IN (6511)	10000 LF		
SOLID PAVE STRIPING-PERM PAINT-6 IN (6515)	5194 LF		
SOLID YELLOW- STRIPING (12" THERMO) (6547)	192 LF		
PAVE MARKING-THERMO CURVE ARROW (6574)	3 EACH		

DRAWING TITLE: STRIPING  
STA 19+00.00 TO 21+74.52

ITEM NO.  
03-9031.00

COUNTY OF  
TODD

SHEET NO.  
R9C

100'

50'

25'

HORIZONTAL SCALE: 1"=50'

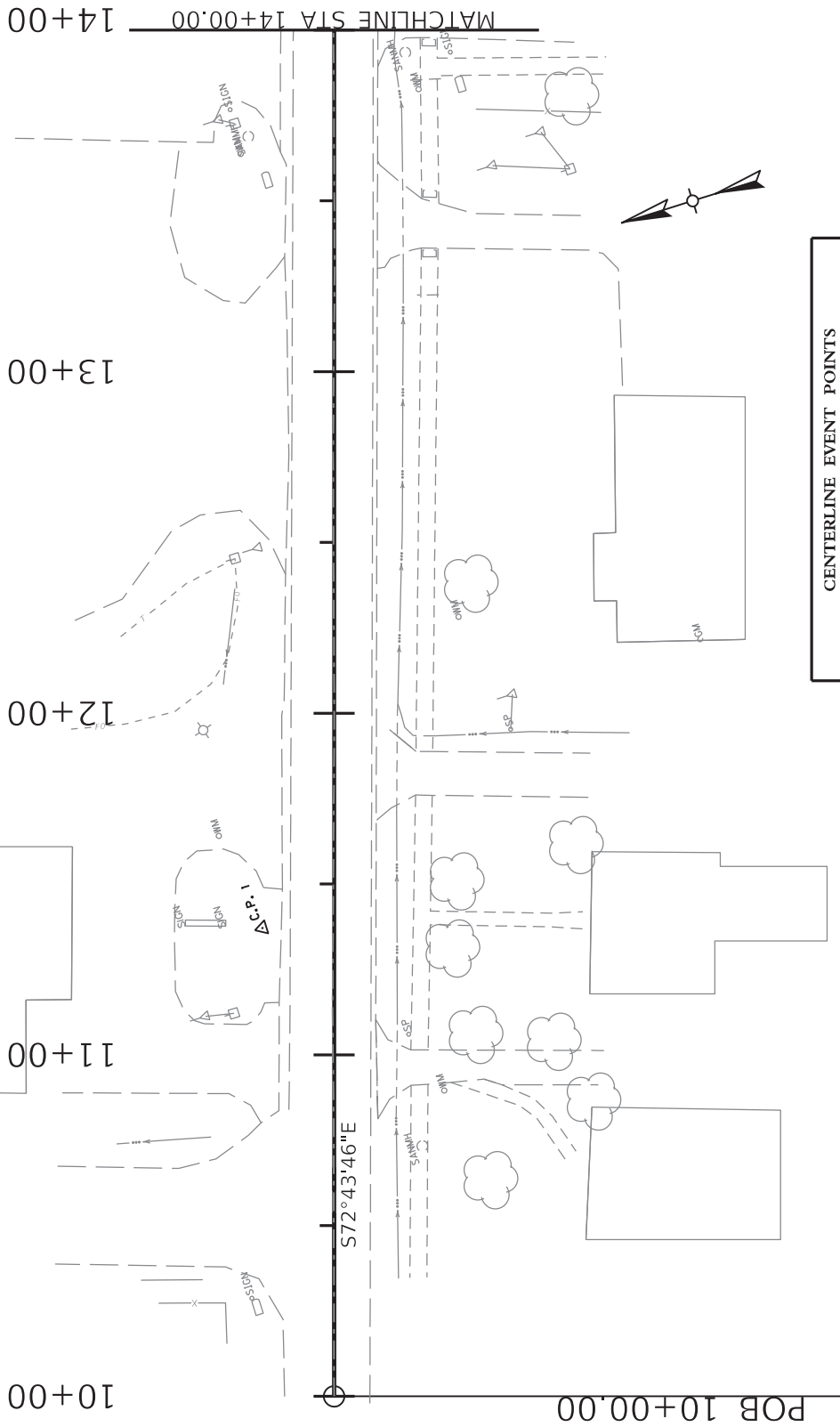
PROJECT COORDINATE

Coordinates for horizontal control were obtained from GPS methods and adjusted to the National NAD83/FBN System.  
Coordinates are based on State Plane Coordinate System KY Single Zone and in U.S. Survey Feet.

BASIS OF ELEVATIONS

Elevations were derived from GPS methods and are adjusted to the NAVD88 Vertical Datum. Geoid model IGA was used on this project.

COORDINATE CONTROL POINTS					
POINT	DESCRIPTION	State Plane Coordinates			STATION
		NORTH (Y)	EAST (X)	ELEV. (Z)	
CP1	LP.	3458140.75	4507454.33	616.34	11+37.12
CP2	LP.	3457909.69	4508024.64	615.48	17+47.35
CP3	LP.	3457815.63	4508372.22	616.25	22+67.71
CP4	LP.	3458013.33	4507819.35	616.02	15+18.11



CENTERLINE EVENT POINTS			
DESCRIPTION	Project Coordinates		STATION and OFFSET
	NORTH (Y)	EAST (X)	
P.O.B.	3457812.71	4507317.16	10+00.00 0.00'
P.O.E.	3457812.71	4508438.72	21+74.52 0.00'



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



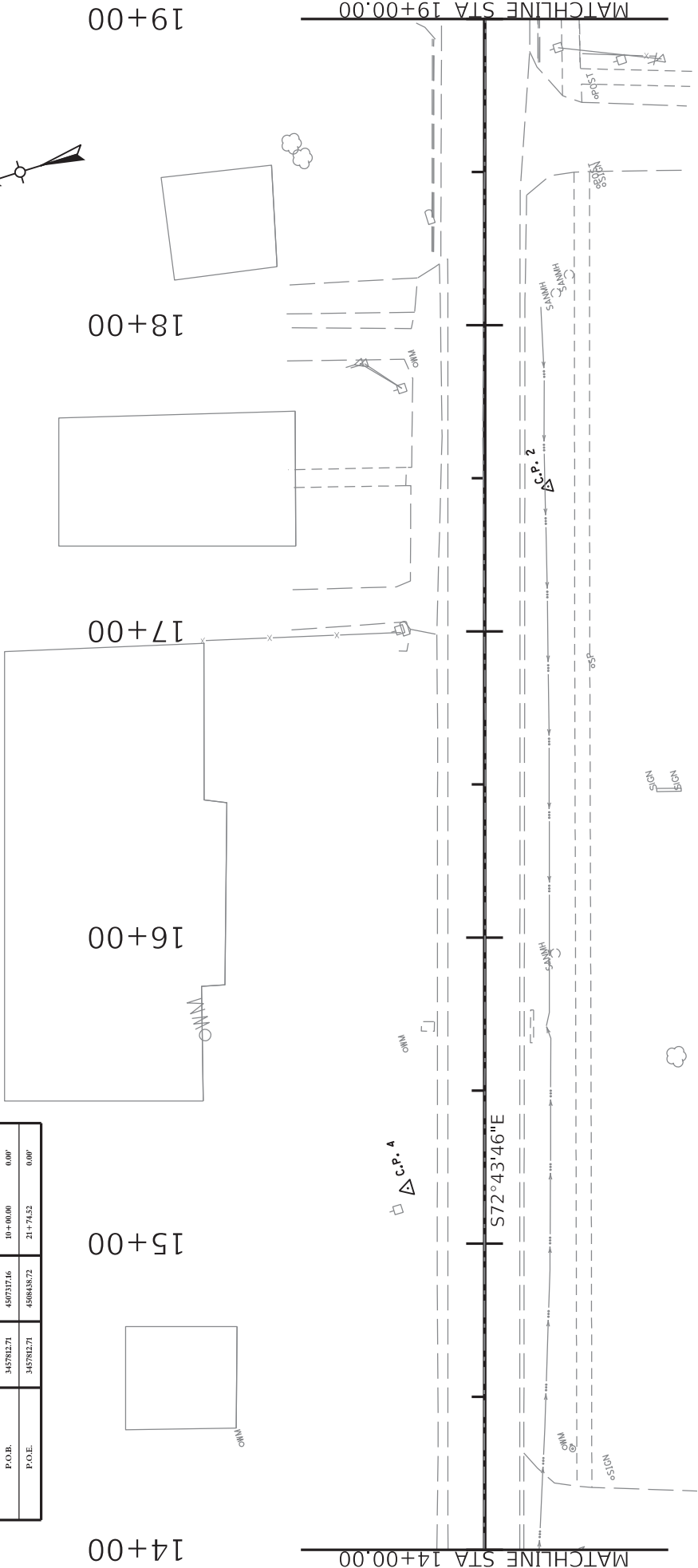
DRAWING TITLE: COORDINATE CONTROL  
STA 10+00.00 TO 14+00.00

ITEM NO.  
03-9031.00  
SHEET NO.  
R10A





CENTERLINE EVENT POINTS				
DESCRIPTION	Project Coordinates		STATION and OFFSET	
	NORTH (Y)	EAST (X)		
P.O.B.	3457812.71	4507317.16	10+00.00	0.00'
P.O.E.	3457812.71	4508435.72	21+74.32	0.00'



COORDINATE CONTROL POINTS				
POINT	DESCRIPTION	State Plane Coordinates		
		NORTH (Y)	EAST (X)	ELEV. (Z)
CP1	I.P.	3458140.75	4507454.33	66.34
CP2	I.P.	3457919.69	4508024.64	65.48
CP3	I.P.	3457815.63	4508372.22	66.25
CP4	I.P.	3458011.33	4507819.35	66.02

**PROJECT COORDINATE**  
Coordinates for horizontal control were obtained from GPS methods and adjusted to the National NAD83/FBN System.  
Coordinates are based on State Plane Coordinate System KY Single Zone and in U.S. Survey Feet.

**BASIS OF ELEVATIONS**  
Elevations were derived from GPS methods and are adjusted to the NAVD88 Vertical Datum. Geoid model 12A was used on this project.



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



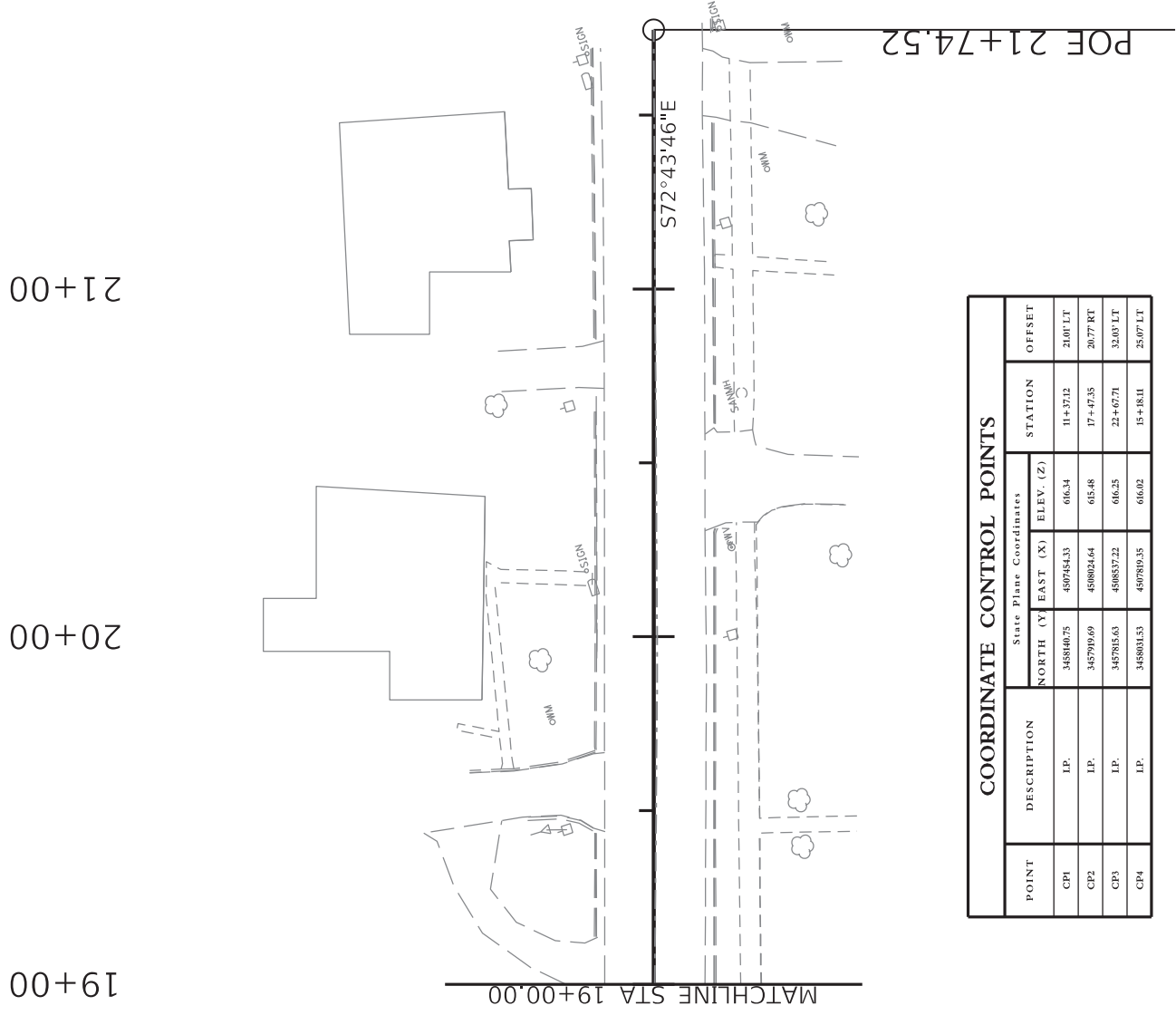
STATE SURVEY  
TRANSFORMATION  
LOGSHEET

DRAWING TITLE: COORDINATE CONTROL  
STA 14+00.00 TO 19+00.00



0' 25' 50' 100'  
HORIZONTAL SCALE: 1"=50'

ITEM NO.	COUNTY OF
03-9031.00	TODD
SHEET NO.	R108



Δ C.P. 3

CENTERLINE EVENT POINTS			
DESCRIPTION	Project Coordinates		STATION and OFFSET
	NORTH (Y)	EAST (X)	
P.O.B.	3457812.71	4507317.16	10+00.00 0.00'
P.O.E.	3457812.71	4508438.72	21+74.52 0.00'

**PROJECT COORDINATE**

Coordinates for horizontal control were obtained from GPS methods and adjusted to the National NAD83/FBN System.

Coordinates are based on State Plane Coordinate System KY Single Zone and in U.S. Survey Feet.

**BASIS OF ELEVATIONS**

Elevations were derived from GPS methods and are adjusted to the NAVD88 Vertical Datum. Geoid model 12A was used on this project.

COORDINATE CONTROL POINTS				
POINT	DESCRIPTION	State Plane Coordinates		STATION
		NORTH (Y)	EAST (X)	
CPI	I.P.	3458440.75	4507454.33	11+37.12
CP2	I.P.	3457919.69	4508024.64	17+47.35
CP3	I.P.	3457815.63	4508377.22	22+47.71
CP4	I.P.	3458031.53	4507819.35	19+18.11

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: COORDINATE CONTROL  
STA 19+00.00 TO 21+74.52

ITEM NO.  
03-9031.00

COUNTY OF  
TODD

SHEET NO.  
R10C

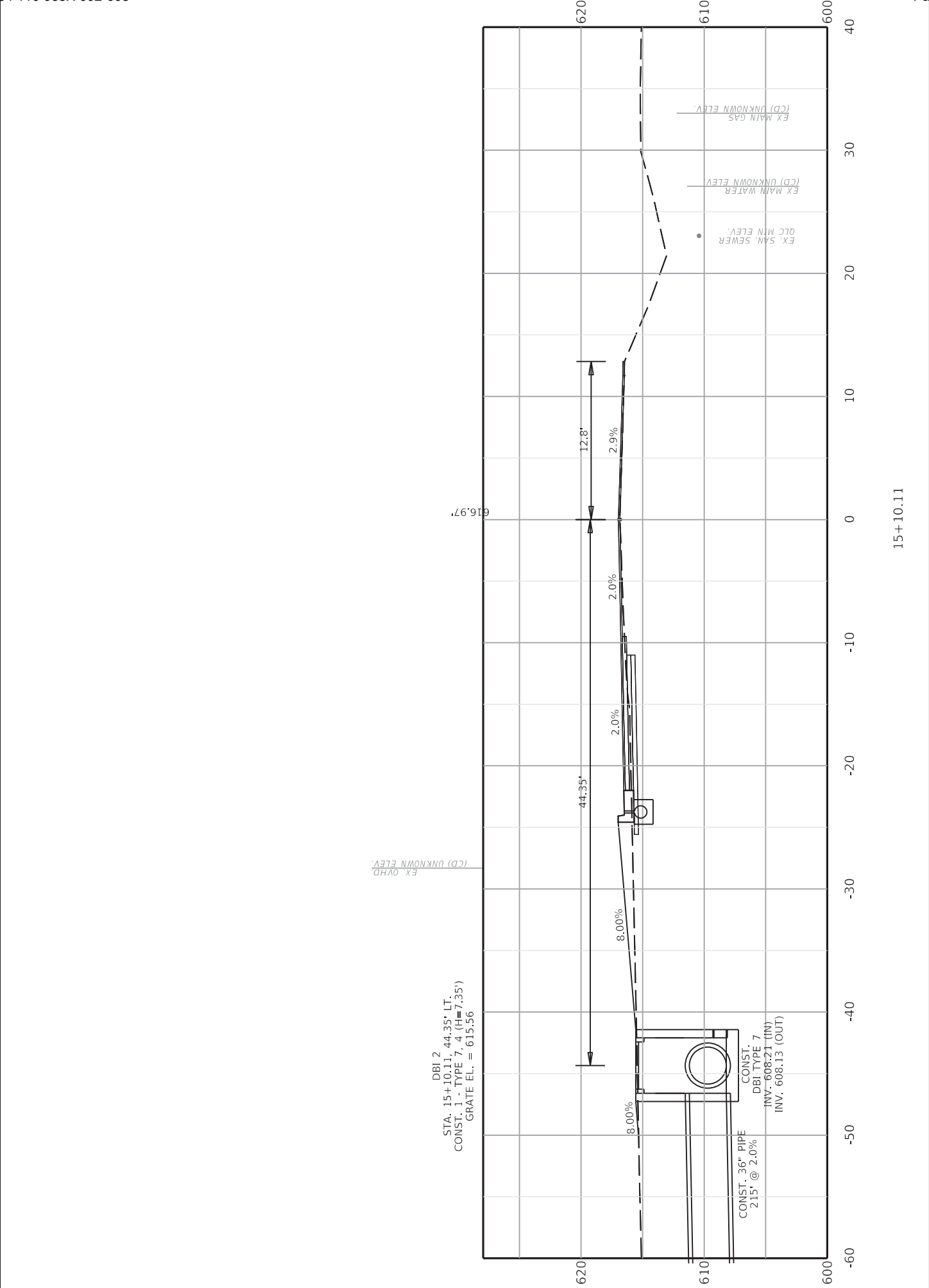
100'

50'

25'

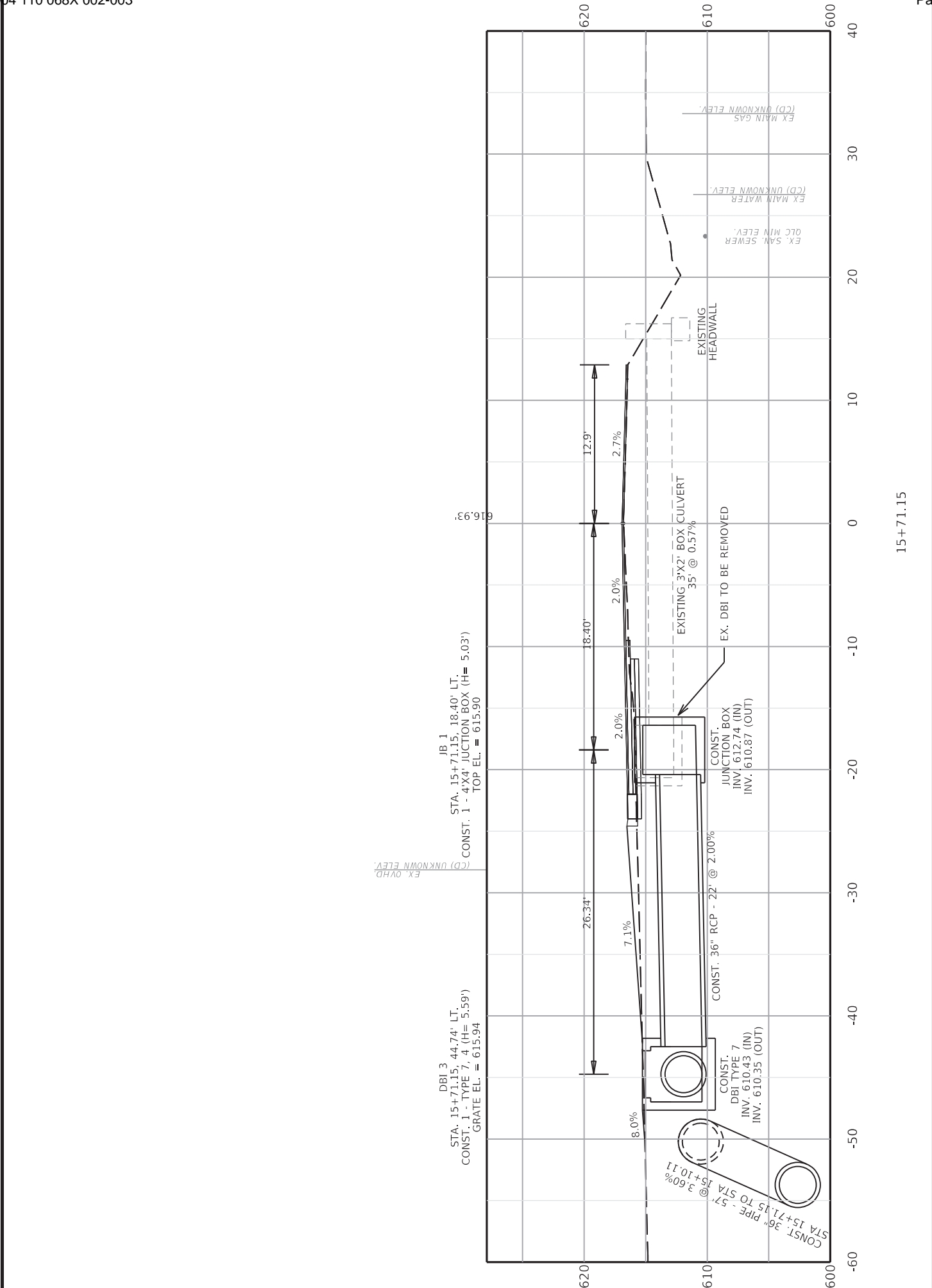
HORIZONTAL SCALE: 1"=50'





DRAWING TITLE: PIPE DRAINAGE SHEET STA 15+10.11		COUNTY OF TODD	
COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS		ITEM NO. 03-9031.00	SHEET NO. R12

OpenRoads Designer v10.12.02.4  
FILE NAME: C:\PW\WORK\KYTC\_BRETT.DUNCAN\ID2308206\03\_9031\_00\_CROSSSECTIONS.DGN  
USER: brett.duncan

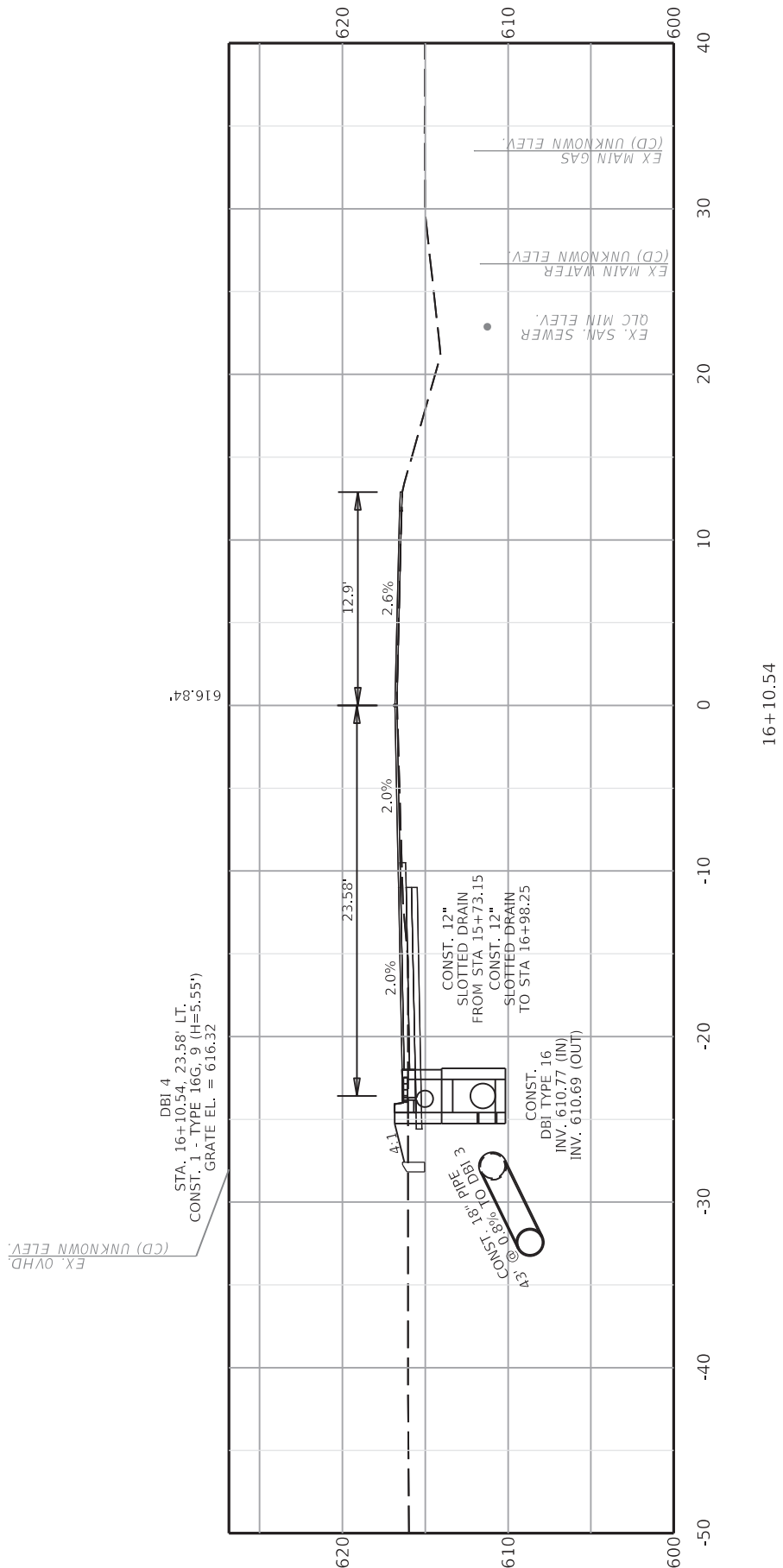


COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: PIPE DRAINAGE SHEET  
STA 15+71.15

ITEM NO.  
03-9031.00  
COUNTY OF  
TODD  
SHEET NO.  
R13

OpenRoads Designer v10.12.02.4  
FILE NAME: C:\PW\WORK\KYTC\_BRETT.DUNCAN\ID2308206\03\_9031\_00\_CROSSSECTIONS.DGN  
USER: brett.duncan

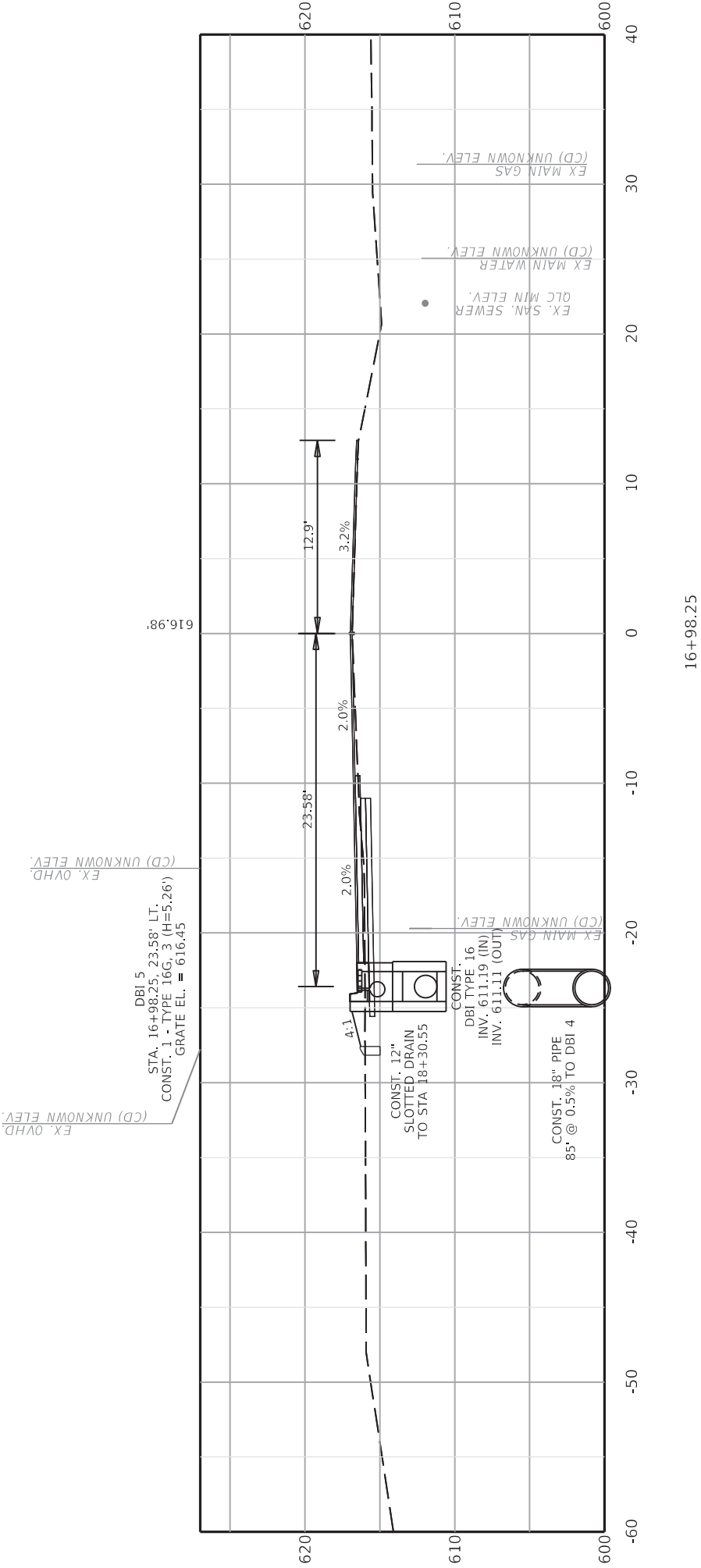


COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

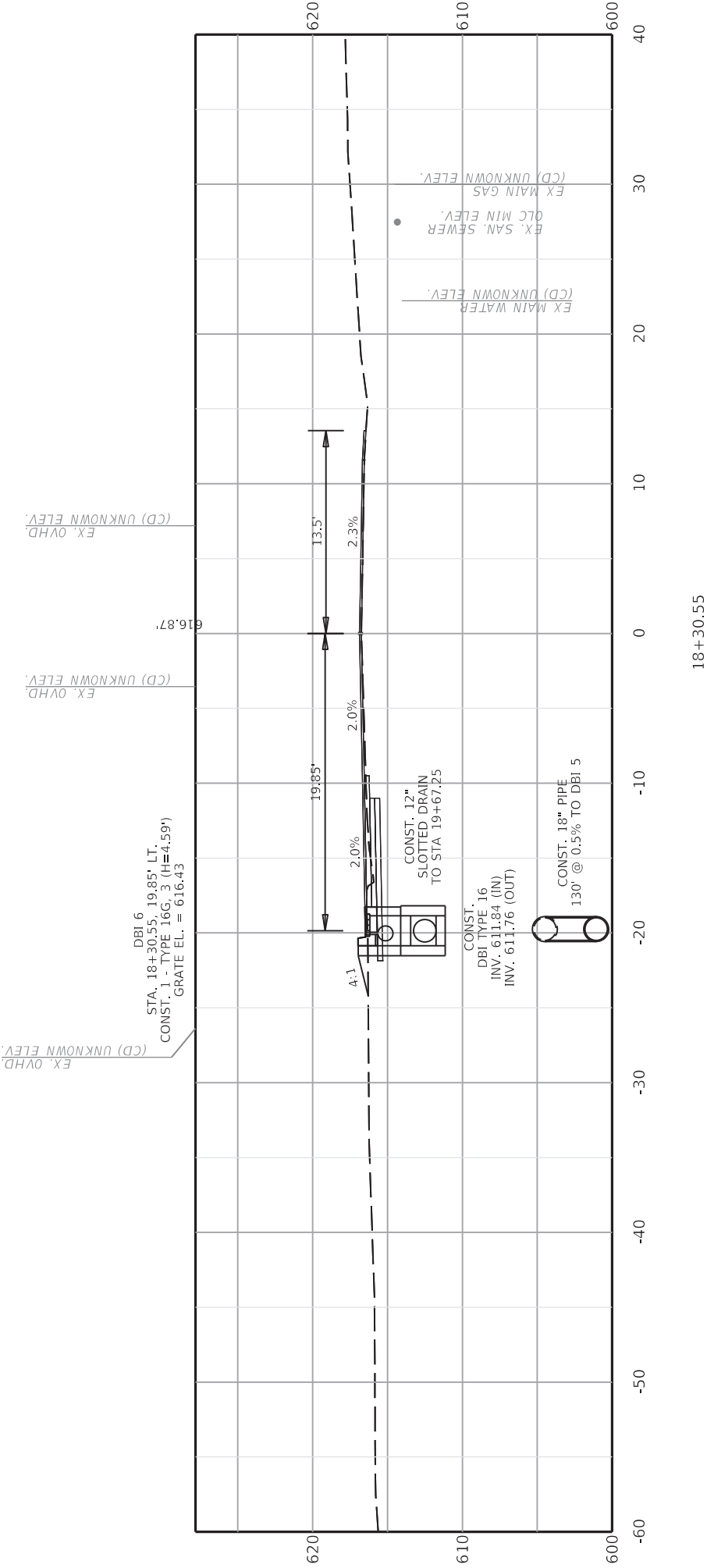
DRAWING TITLE: PIPE DRAINAGE SHEET  
STA 16+10.54

ITEM NO.  
03-9031.00  
SHEET NO.  
R14

COUNTY OF  
TODD

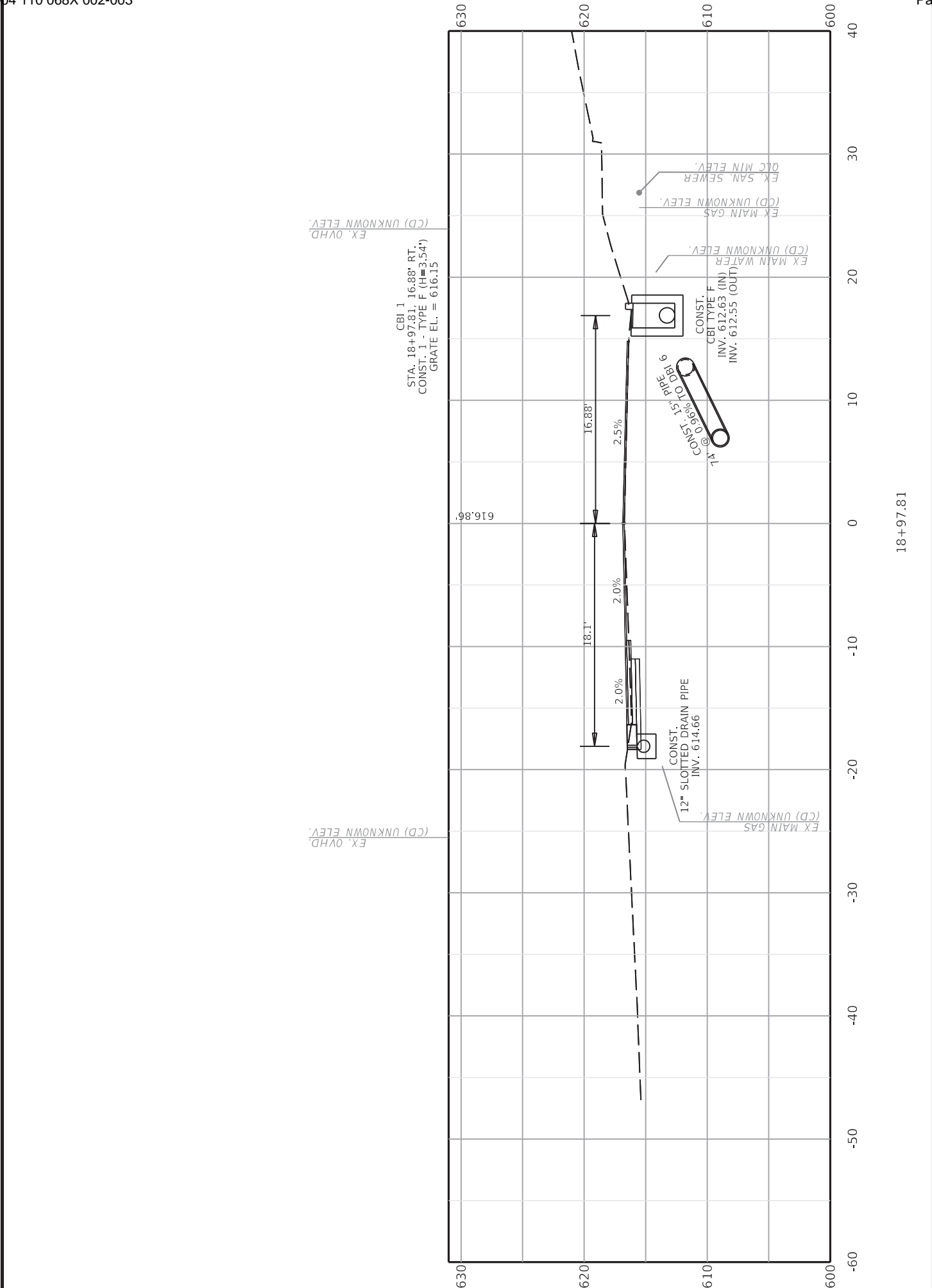


COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: PIPE DRAINAGE SHEET STA 16+98.25		
	ITEM NO.	COUNTY OF	
	03-9031.00	TODD	
	SHEET NO.	R15	



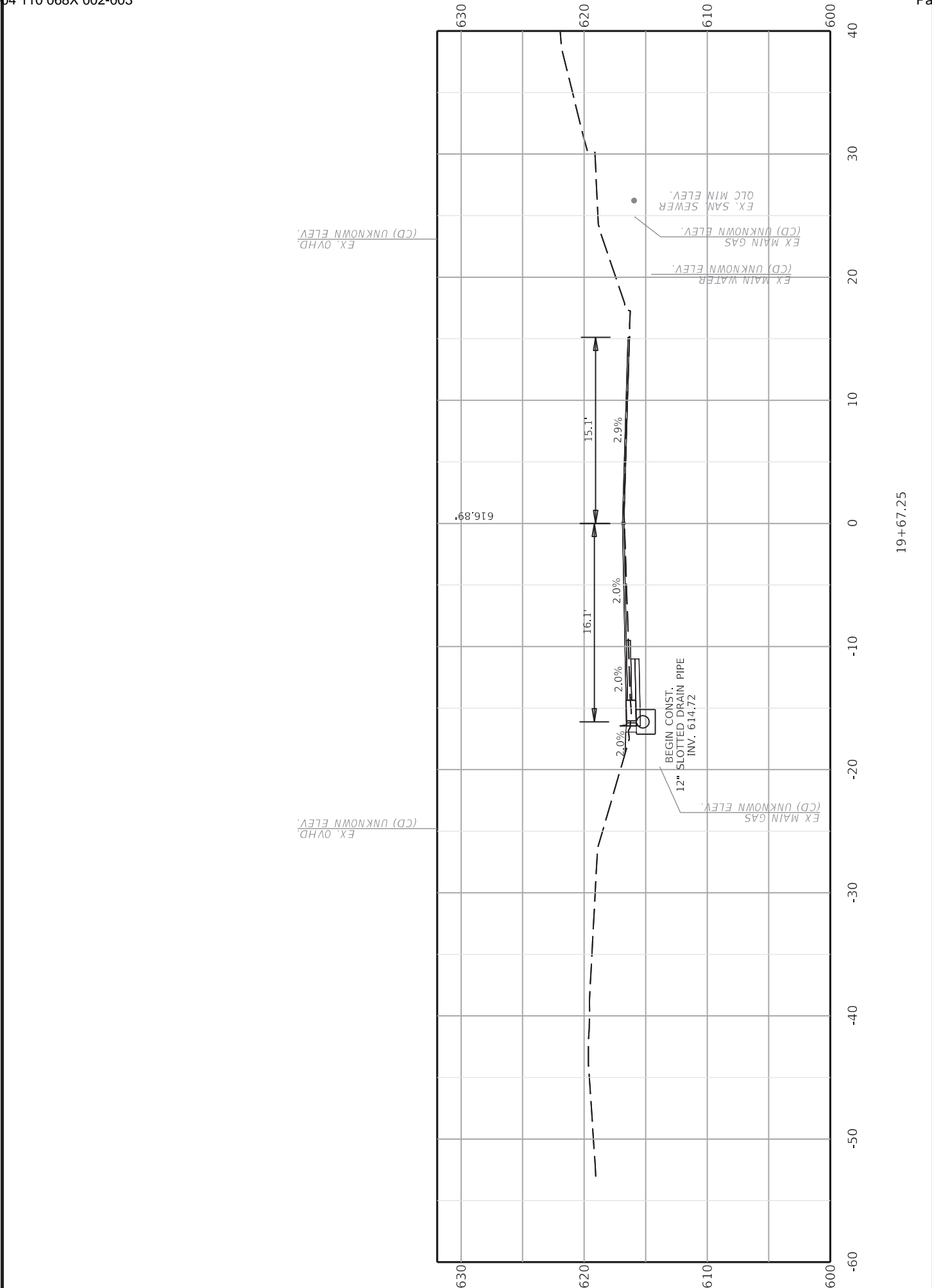
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				SHEET NO.	R16



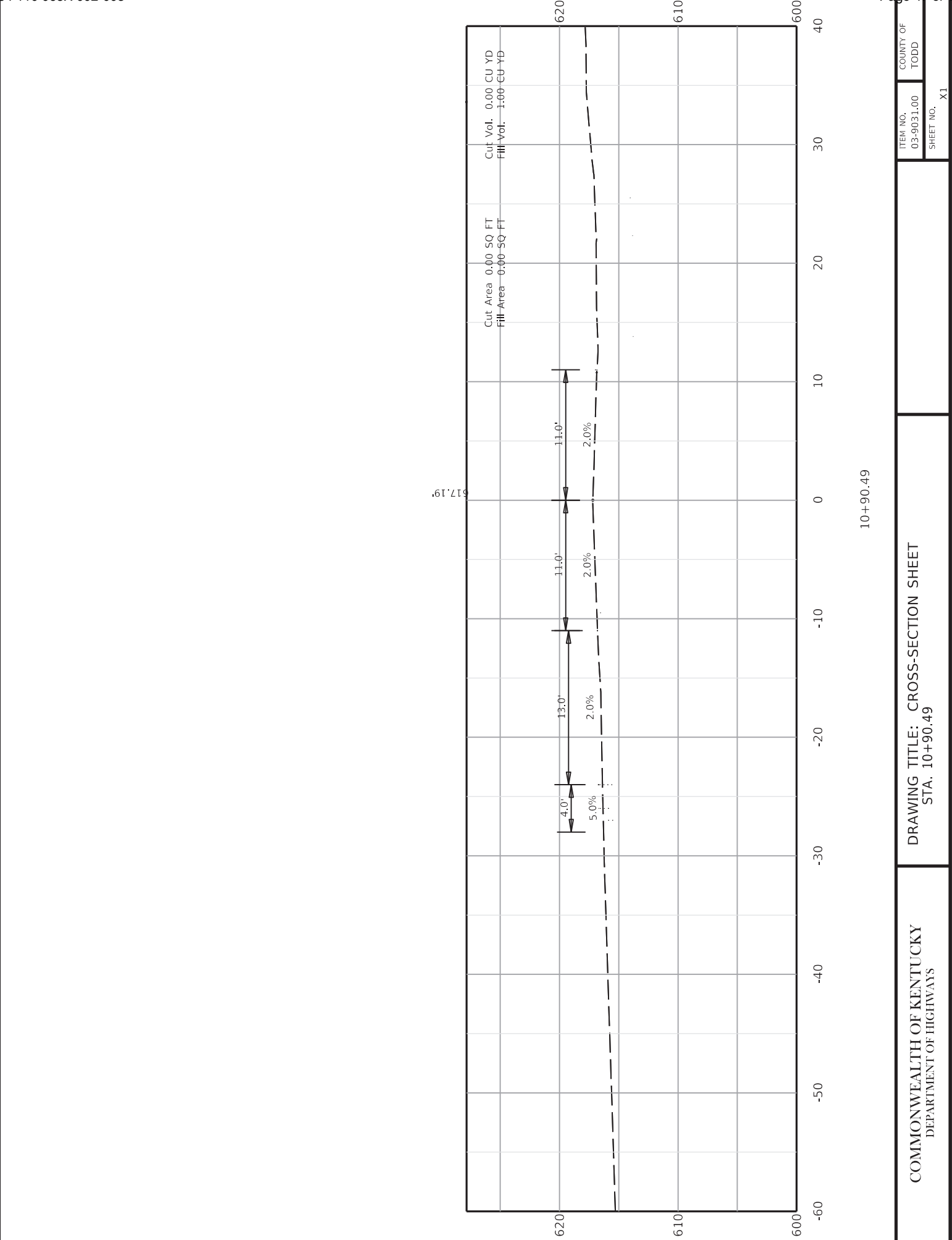


COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: PIPE DRAINAGE SHEET STA 18+97.81			ITEM NO. 03-9031.00 SHEET NO. R17	COUNTY OF TODD

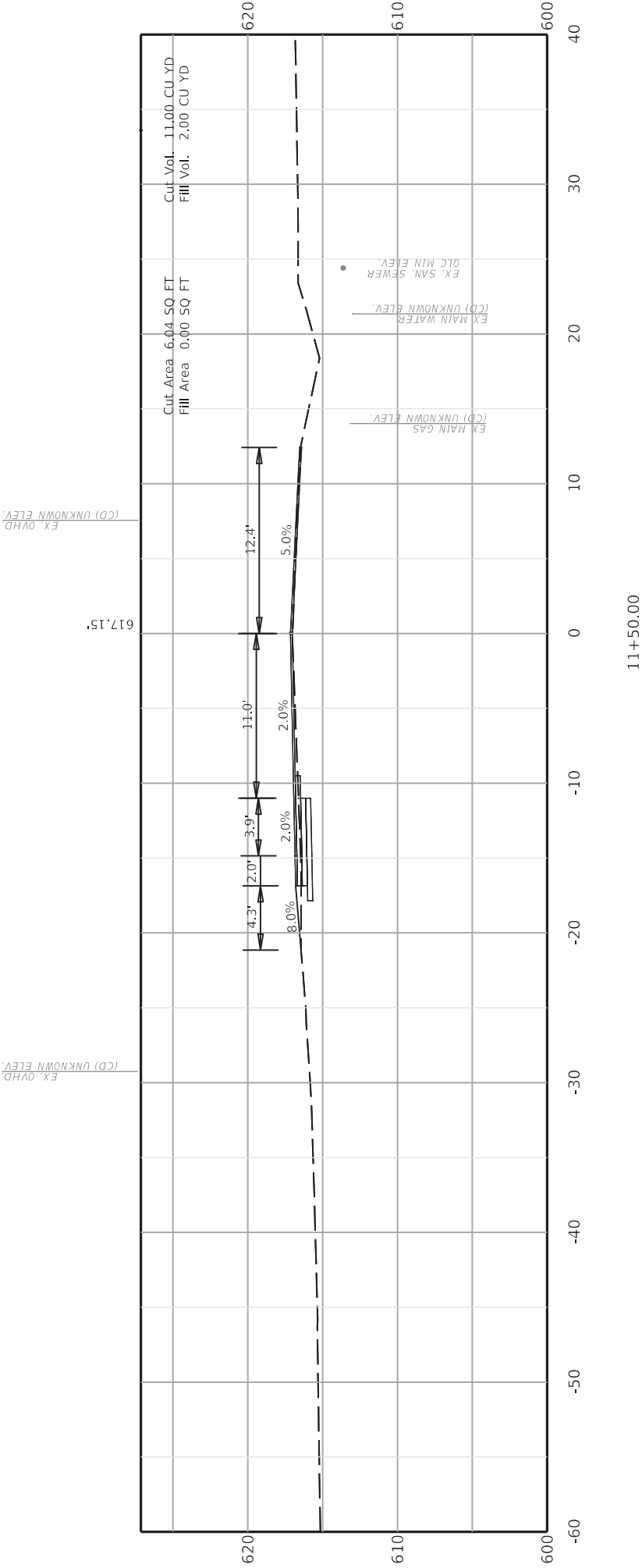
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USER: brett.duncan



COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: PIPE DRAINAGE SHEET STA 19+67.25		
	ITEM NO.	COUNTY OF	
	03-9031.00	TODD	
		SHEET NO.	R18







DRAWING TITLE: CROSS-SECTION SHEET  
STA 11+50.00

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

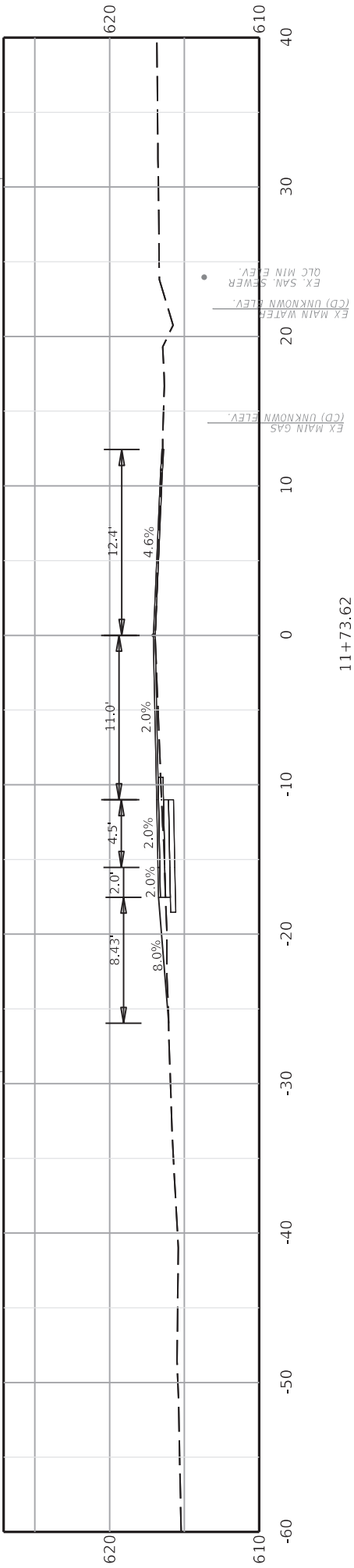
ITEM NO.	COUNTY OF
03-9031.00	TODD
SHEET NO.	X3

EX. OVHD.  
(CD) UNKNOWN ELEV.

EX. OVHD.  
(CD) UNKNOWN ELEV.

617.08'

11+73.62

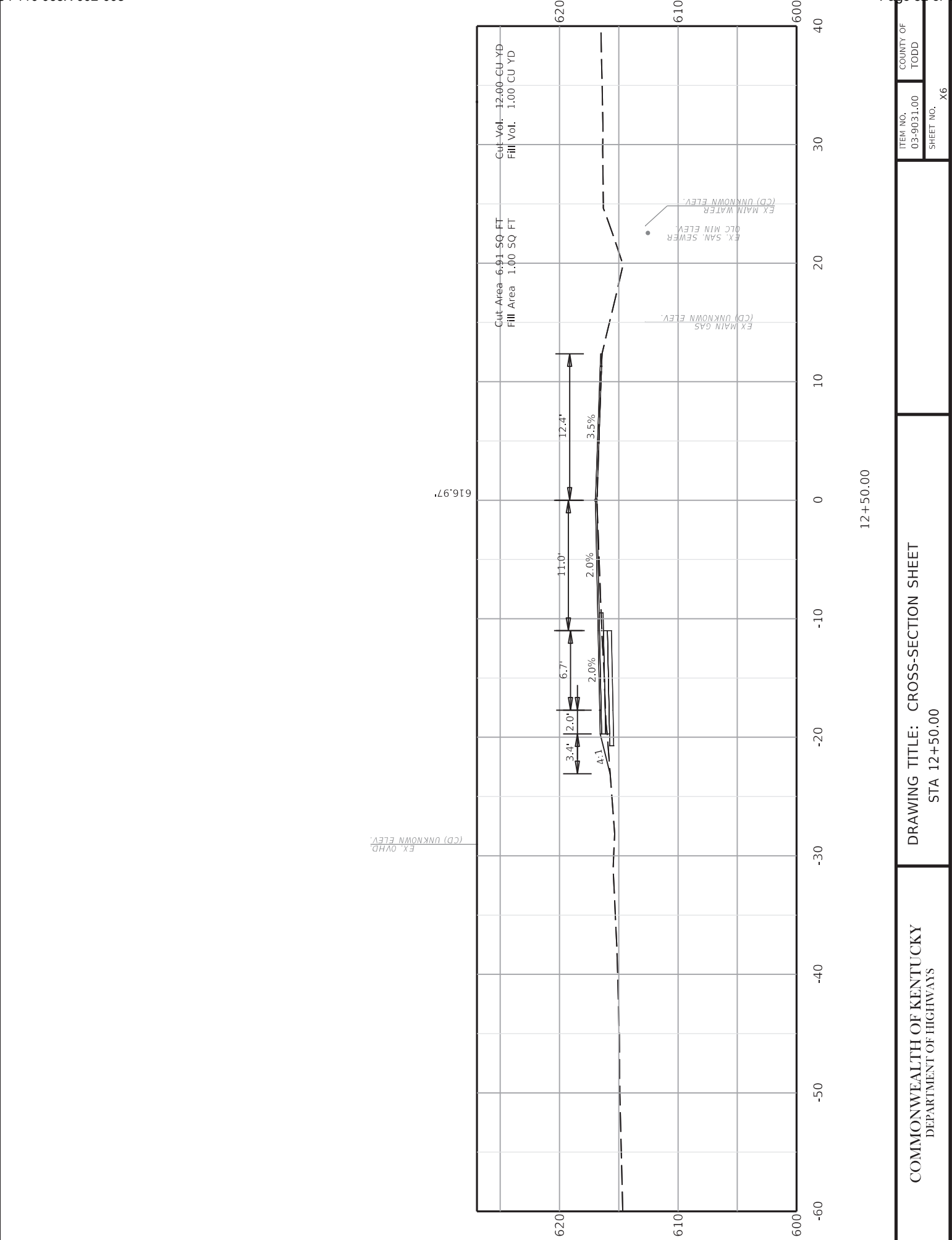


DRAWING TITLE: ENTRANCE STA. 11+73.62

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

ITEM NO. 03-9031.00	COUNTY OF TODD
SHEET NO. X4	



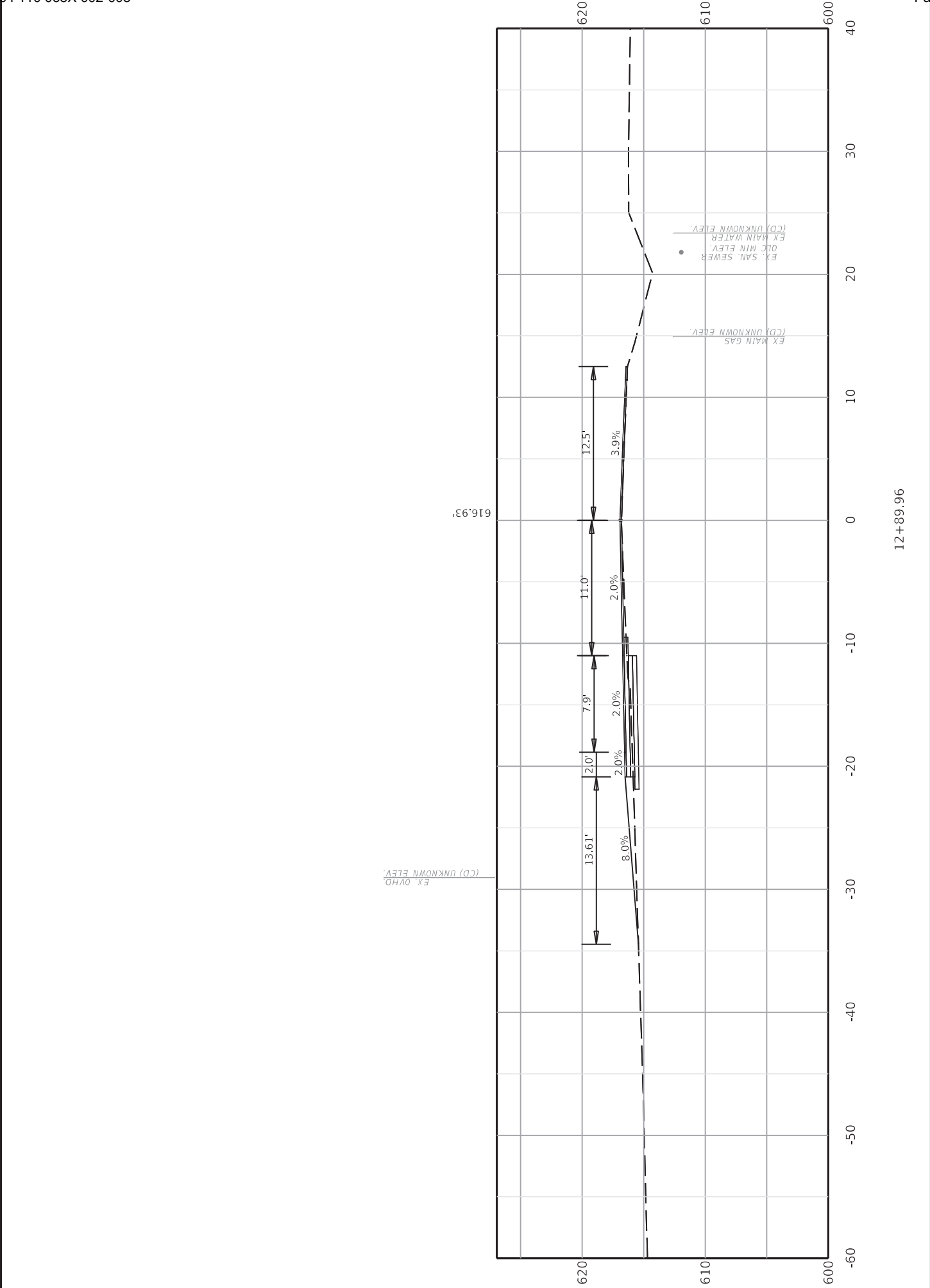


COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: CROSS-SECTION SHEET  
STA 12+50.00

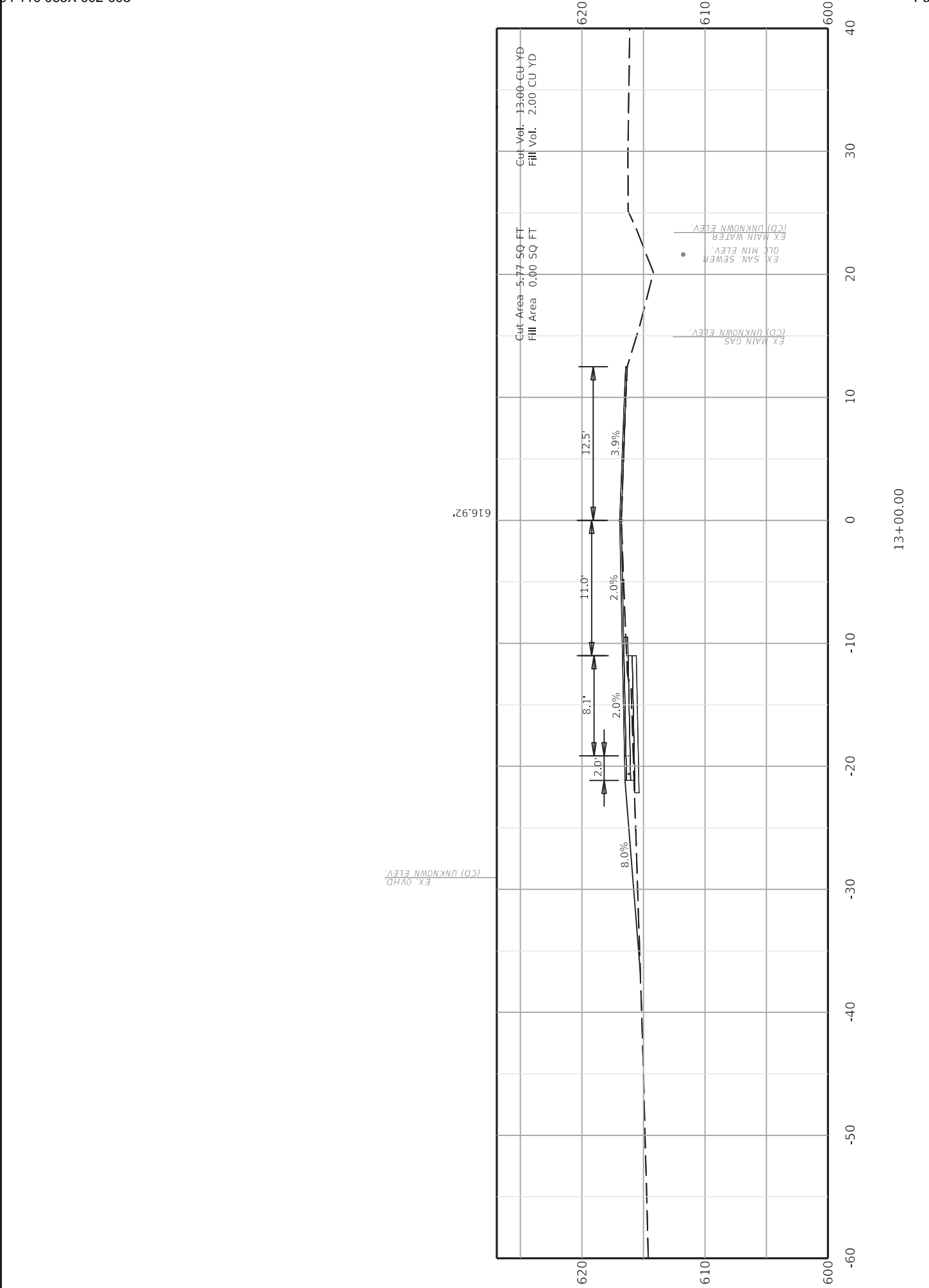
ITEM NO.	COUNTY OF
03-9031.00	TODD
SHEET NO.	X6





COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: ENTRANCE STA. 12+89.96			ITEM NO. 03-9031.00 SHEET NO. X7	COUNTY OF TODD

OpenRoads Designer v10.12.02.4  
FILE NAME: C:\PW\WORK\KYTC\_BRETT.DUNCAN\ID2308206\03\_9031\_00\_CROSSSECTIONS.DGN  
USER: brett.duncan



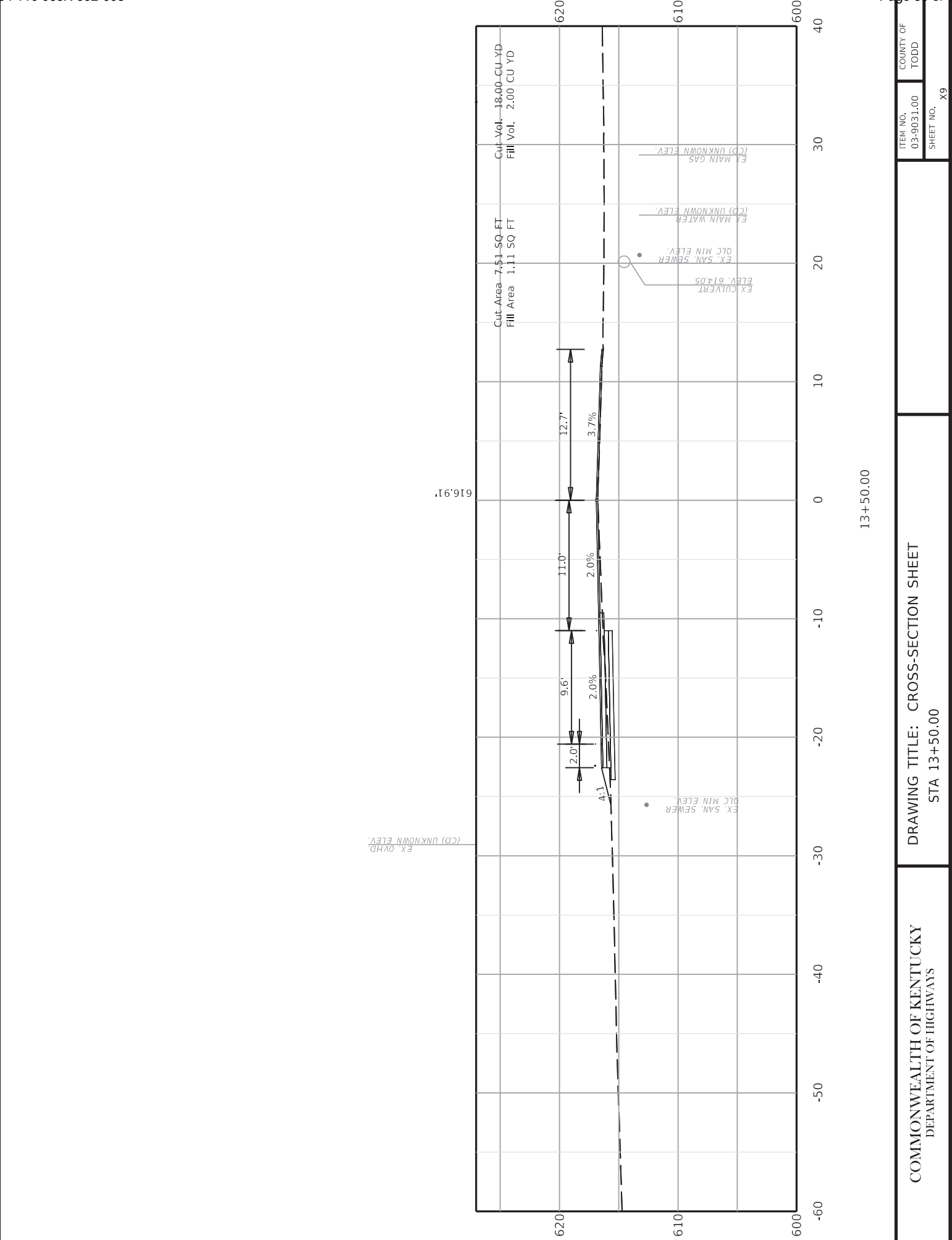
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: CROSS-SECTION SHEET  
STA 13+00.00

ITEM NO.  
03-9031.00  
SHEET NO. X8

COUNTY OF  
TODD

OpenRoads Designer v10.12.02.4  
FILE NAME: C:\PW\WORK\KYTC\_BRETT.DUNCAN\ID2308206\03\_9031\_00\_CROSSSECTIONS.DGN  
USER: brett.duncan



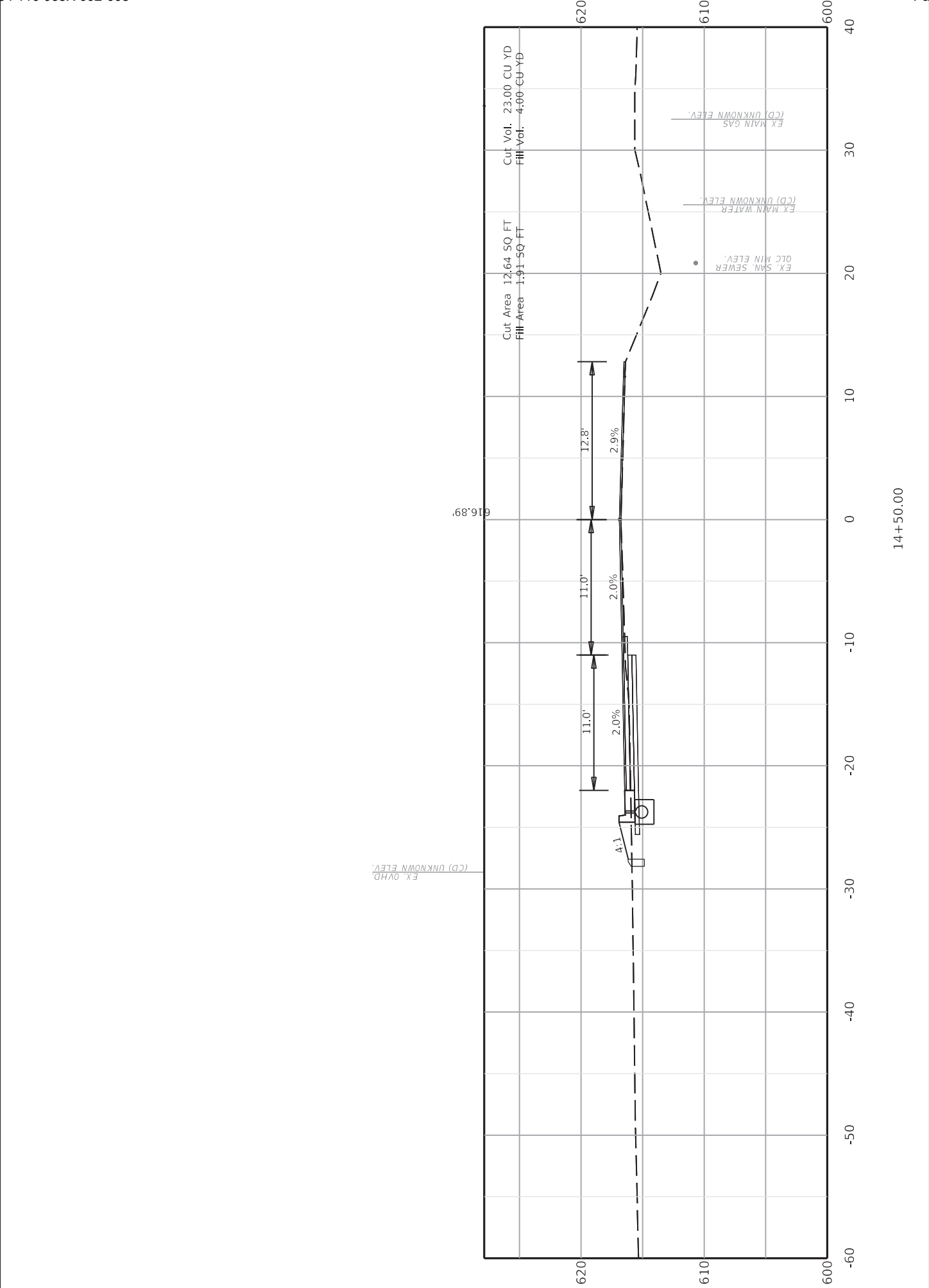
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STA 13+50.00

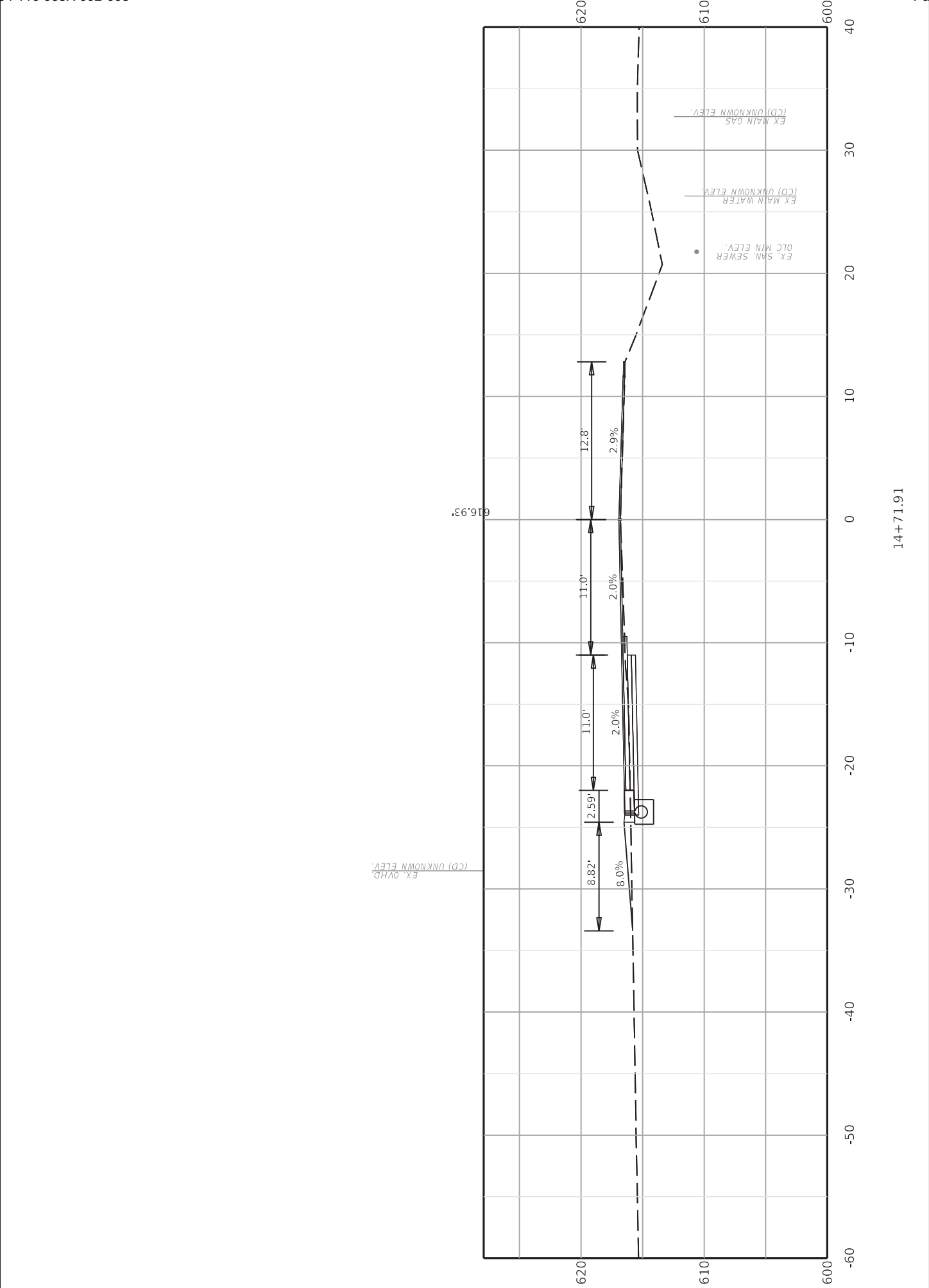
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

ITEM NO.	COUNTY OF
03-9031.00	TODD
SHEET NO.	X9







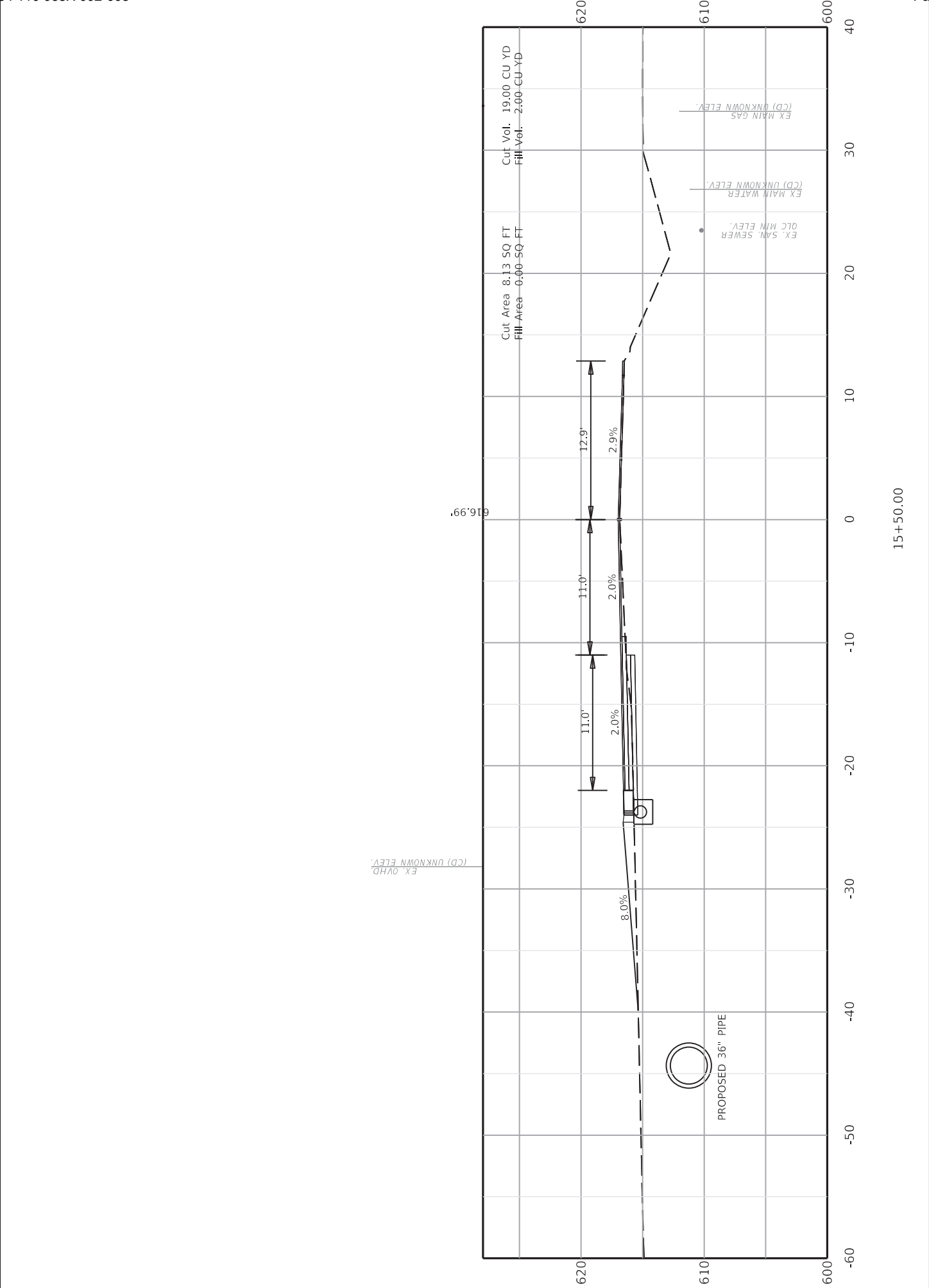


COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: ENTRANCE STA 14+71.91			ITEM NO. 03-9031.00 SHEET NO. X13	COUNTY OF TODD

OpenRoads Designer v10.12.02.4  
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USER: brett.duncan

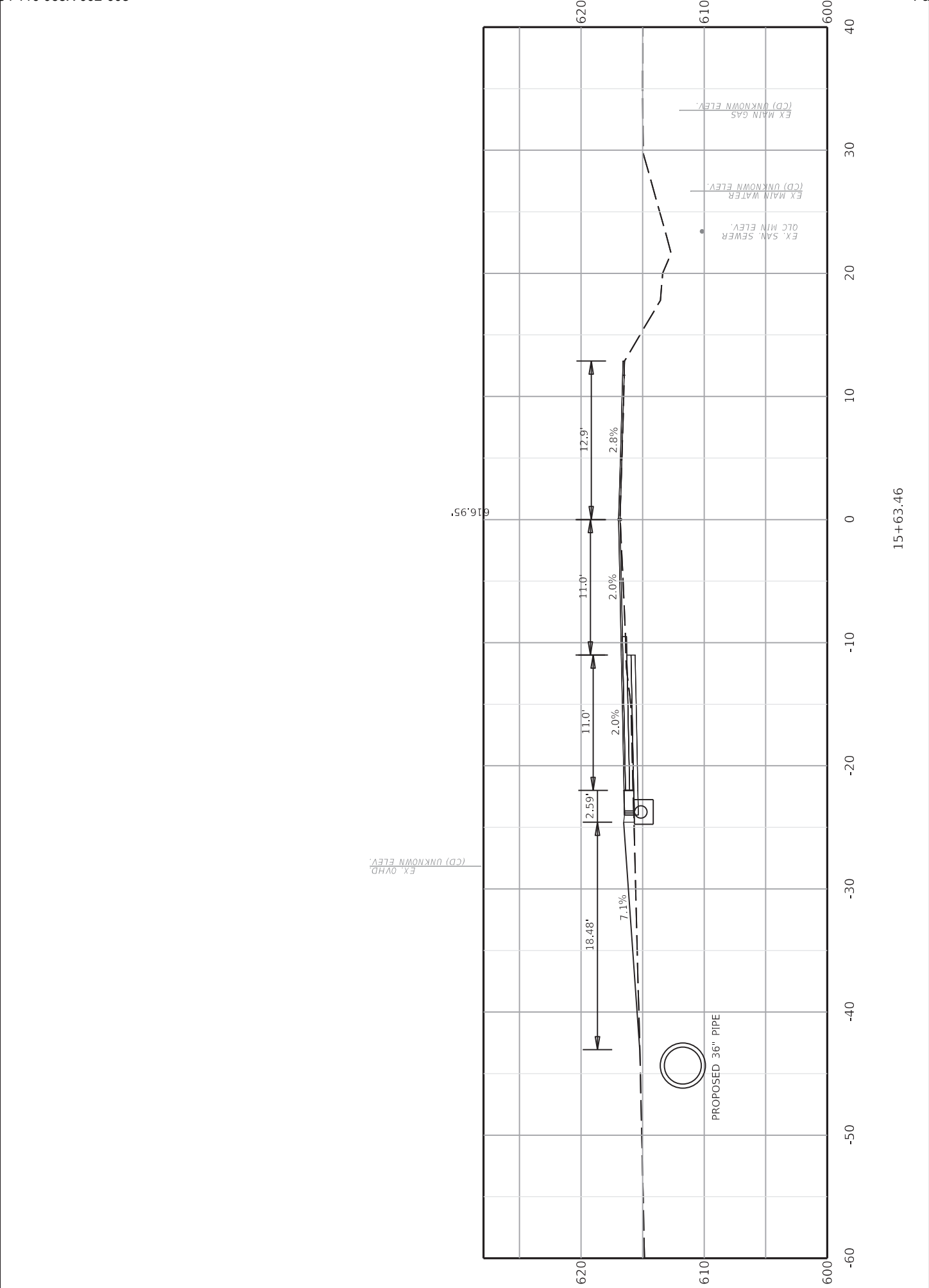






COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: CROSS-SECTION SHEET STA 15+50.00			COUNTY OF TODD	
				ITEM NO. 03-9031.00	SHEET NO. X15

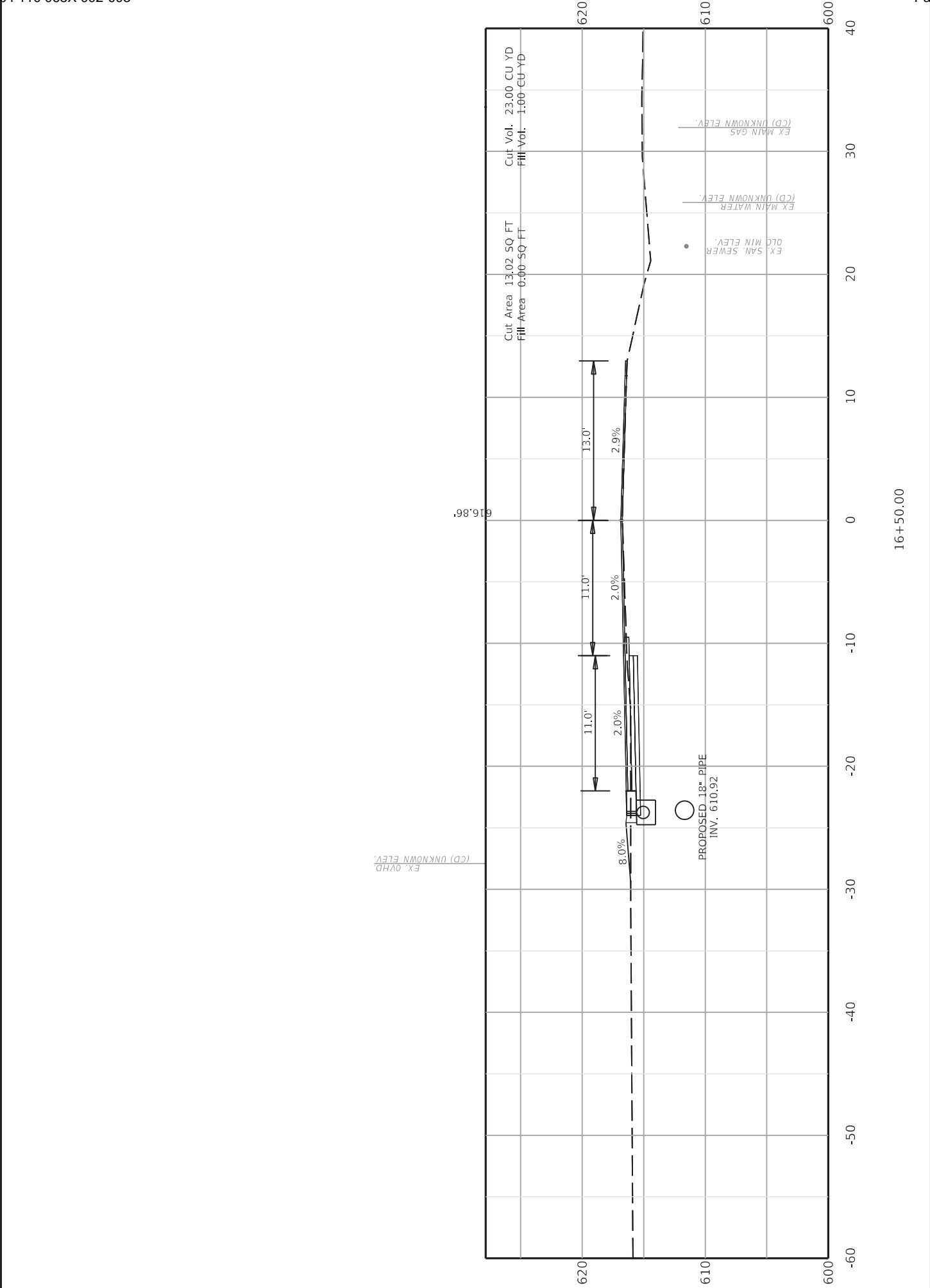
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USER: brett.duncan



COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: ENTRANCE 15+63.46			ITEM NO. 03-9031.00 SHEET NO. X16	COUNTY OF TODD

OpenRoads Designer v10.12.02.4  
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USER: brett.duncan





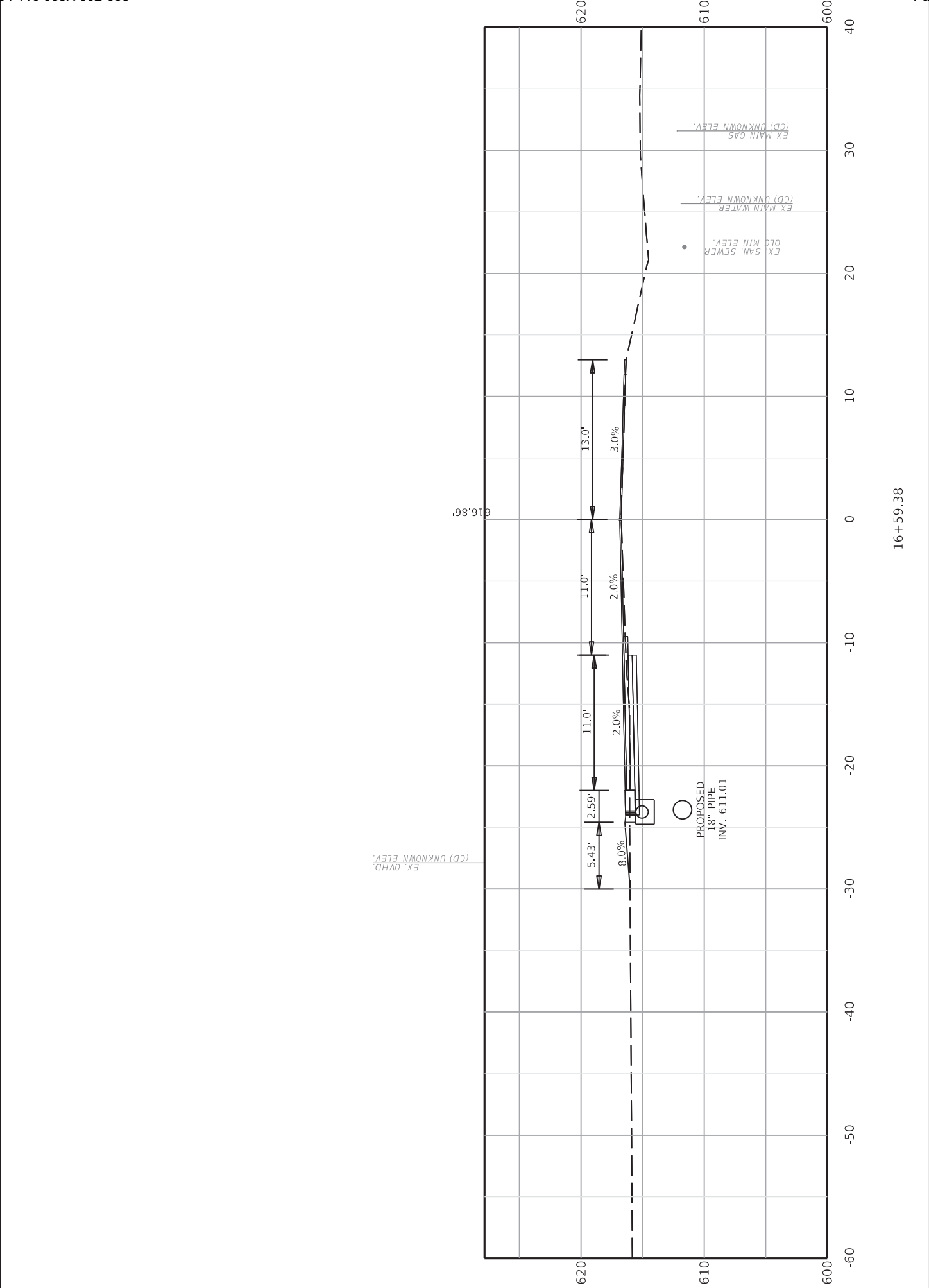
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: CROSS-SECTION SHEET  
STA 16+50.00

ITEM NO.  
03-9031.00  
SHEET NO.  
X18

COUNTY OF  
TODD

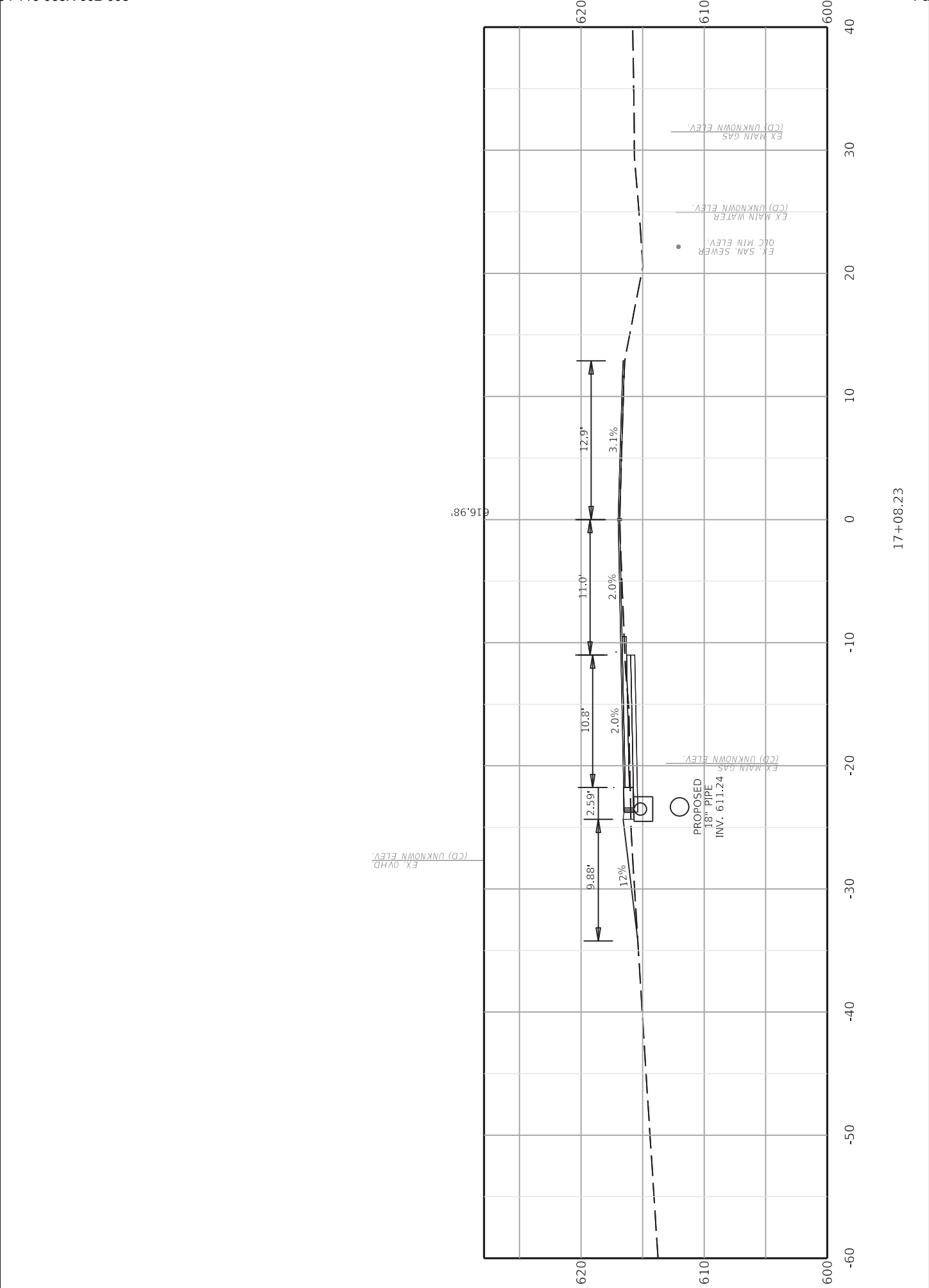
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USER: brett.duncan



COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: ENTRANCE 16+59.38			ITEM NO. 03-9031.00 SHEET NO. X19	COUNTY OF TODD

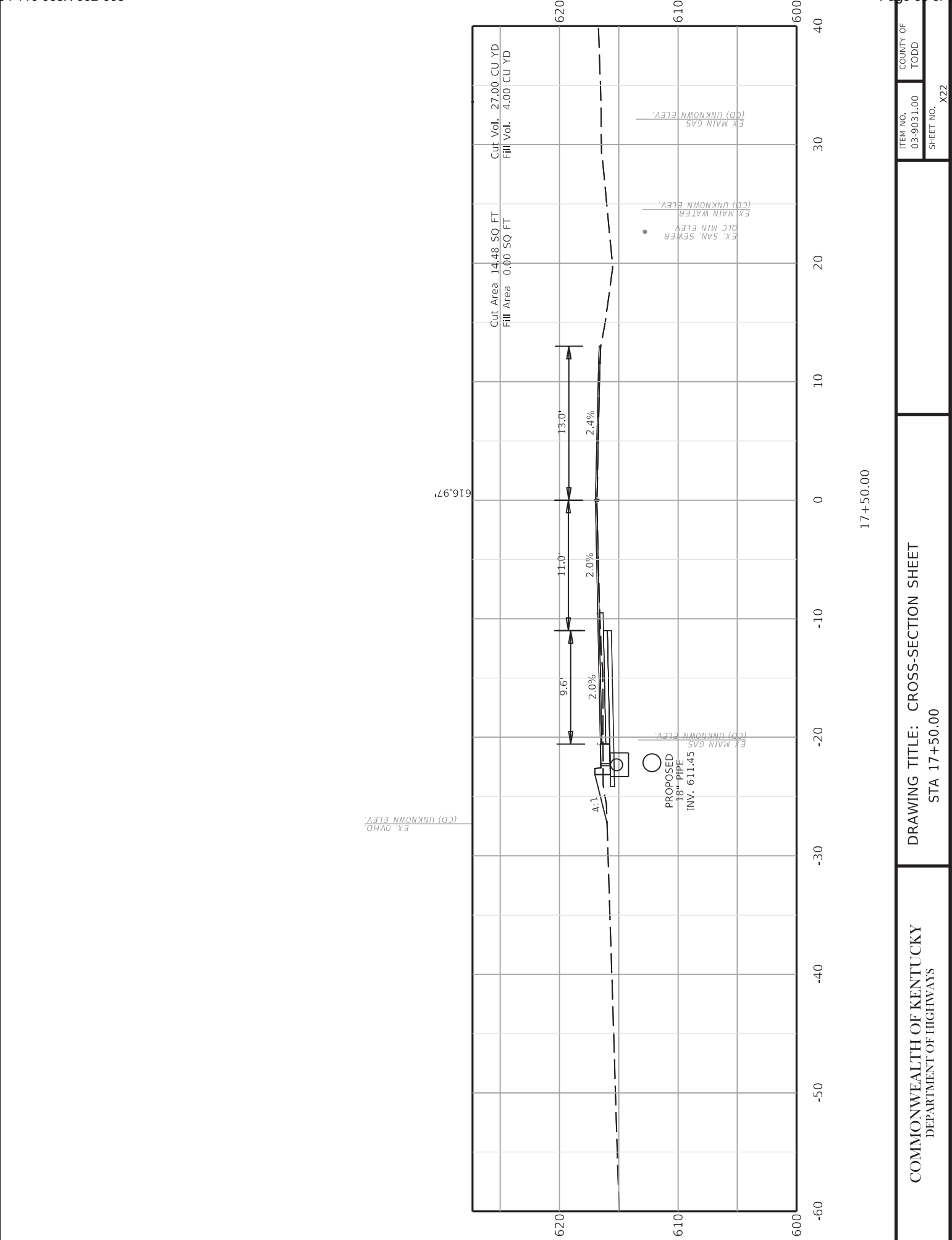
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USER: brett.duncan





COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: ENTRANCE STA. 17+08.23			ITEM NO. 03-9031.00 SHEET NO. X21	COUNTY OF TODD

OpenRoads Designer v10.12.02.4  
FILE NAME: C:\PW\WORK\KYTC\_BRETT.DUNCAN\ID2308206\03\_9031\_00\_CROSSSECTIONS.DGN  
USER: brett.duncan



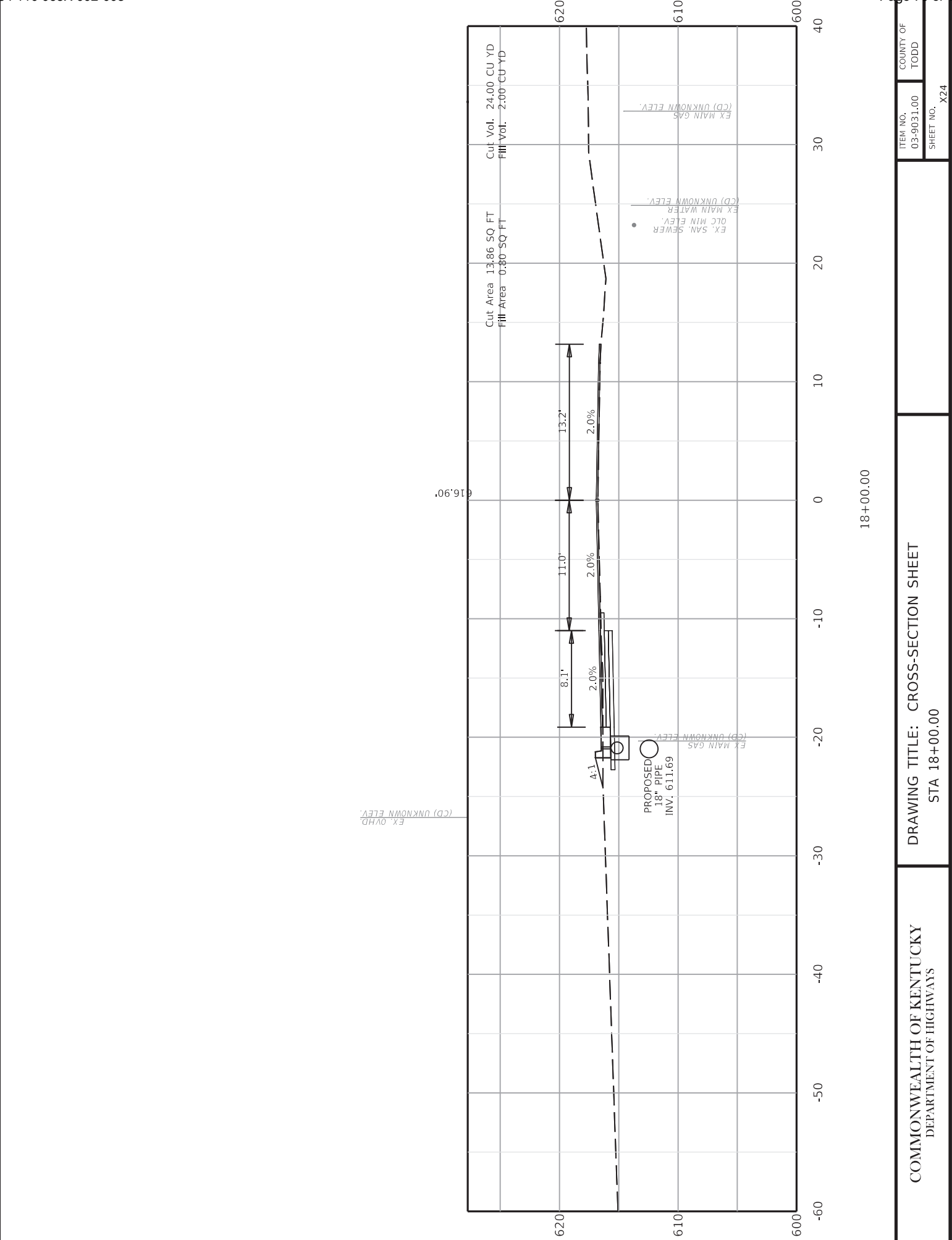
DRAWING TITLE: CROSS-SECTION SHEET  
STA 17+50.00

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

ITEM NO.  
03-9031.00  
COUNTY OF  
TODD  
SHEET NO.  
X22



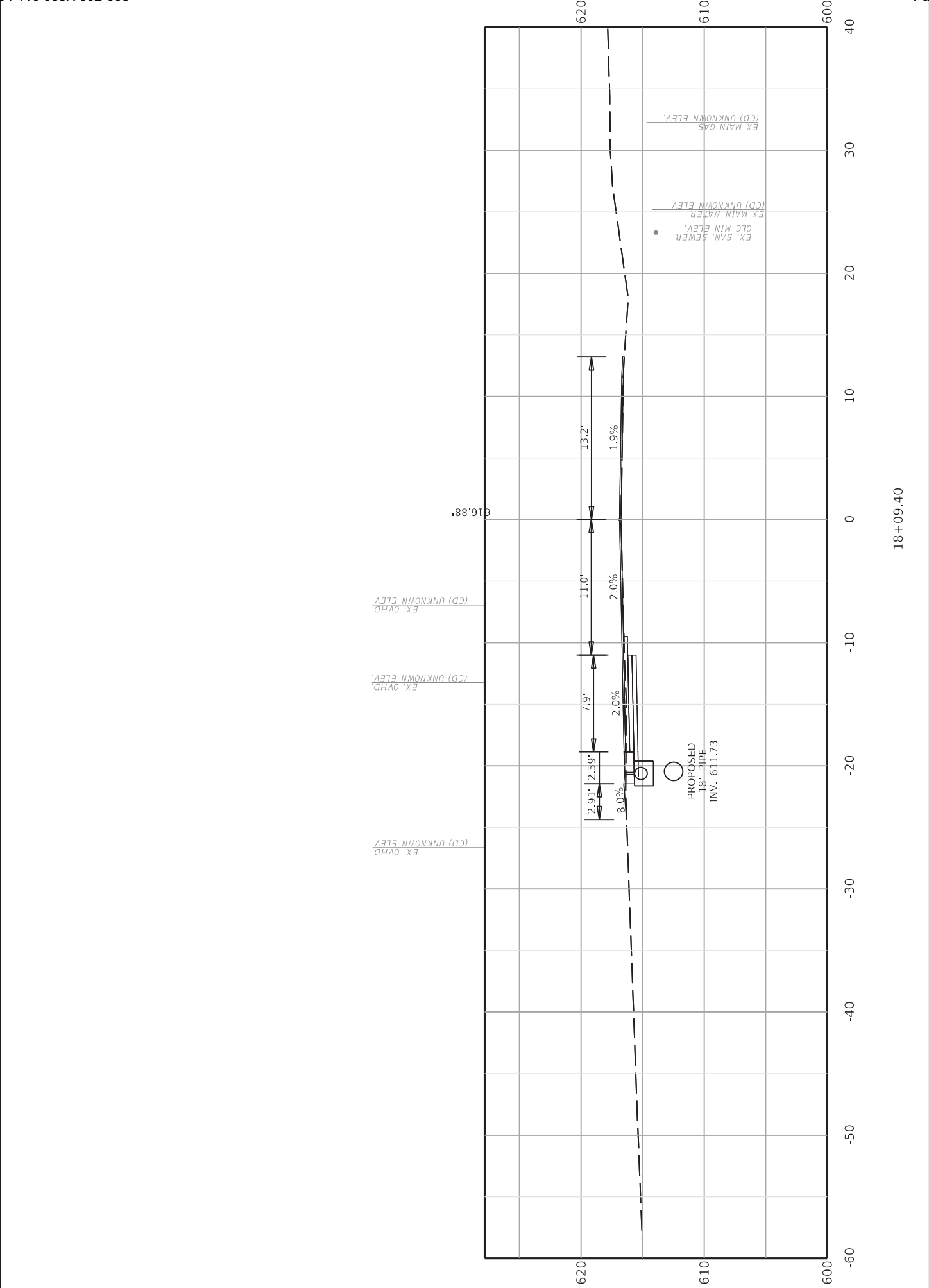




DRAWING TITLE: CROSS-SECTION SHEET  
STA 18+00.00

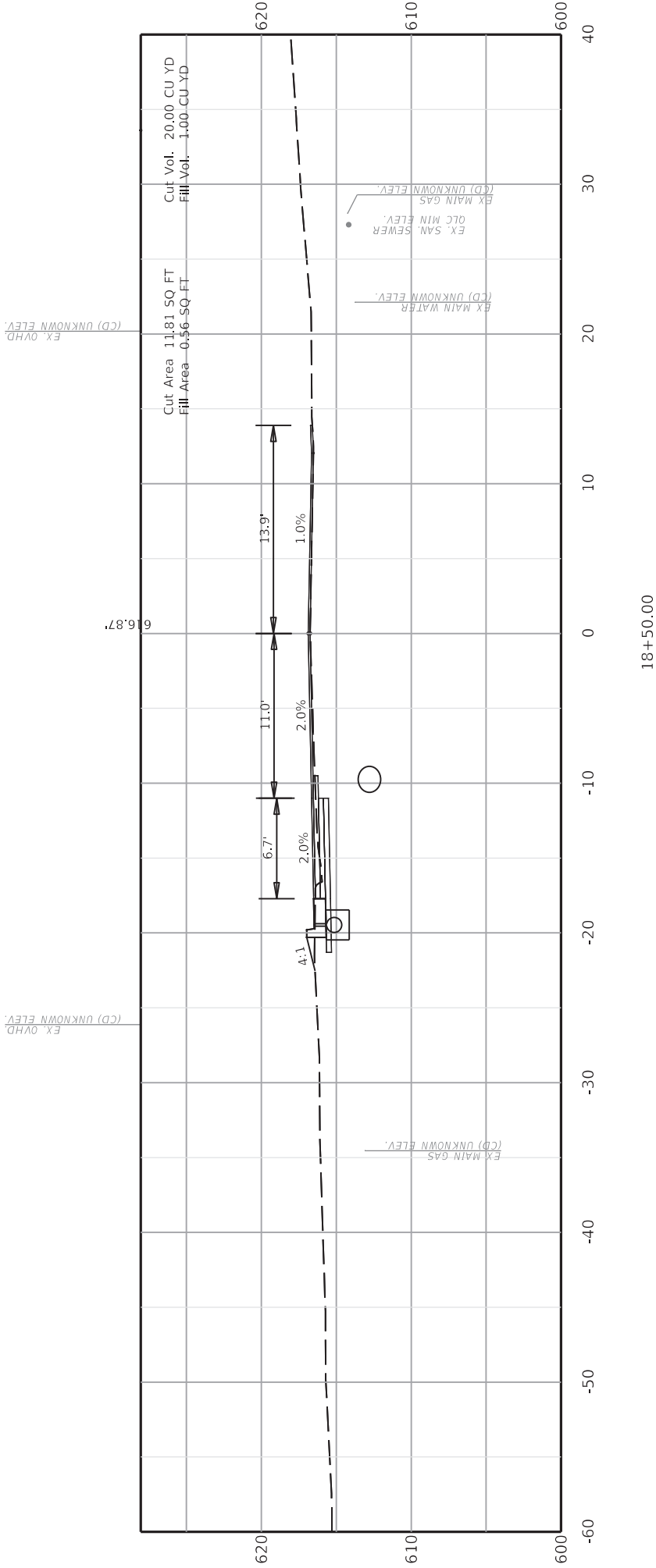
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

ITEM NO.	COUNTY OF
03-9031.00	TODD
SHEET NO.	X24



COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: ENTRANCE 18+09.40			ITEM NO. 03-9031.00 SHEET NO. X25	COUNTY OF TODD

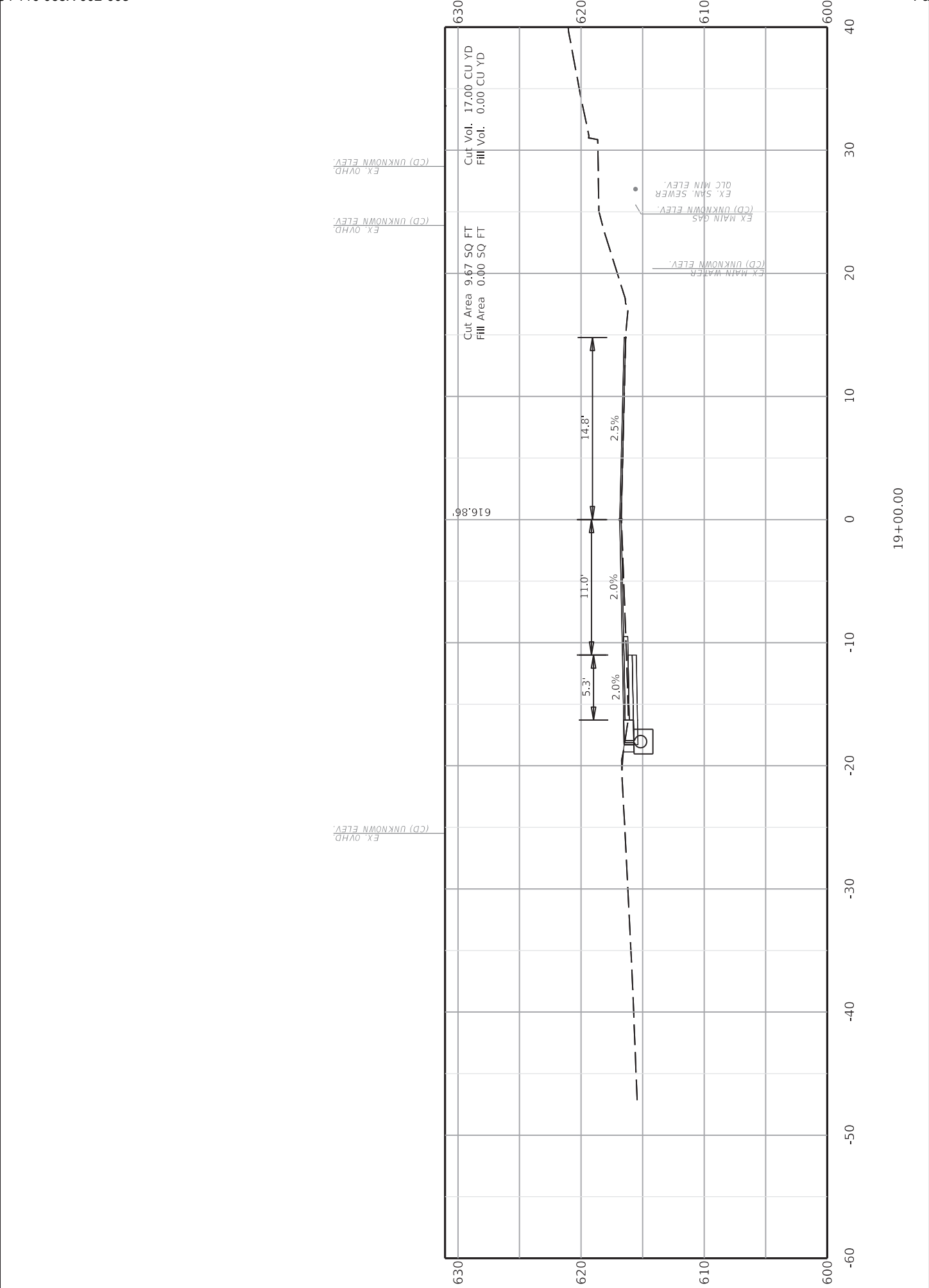
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USER: brett.duncan



DRAWING TITLE: CROSS-SECTION SHEET  
STA 18+50.00

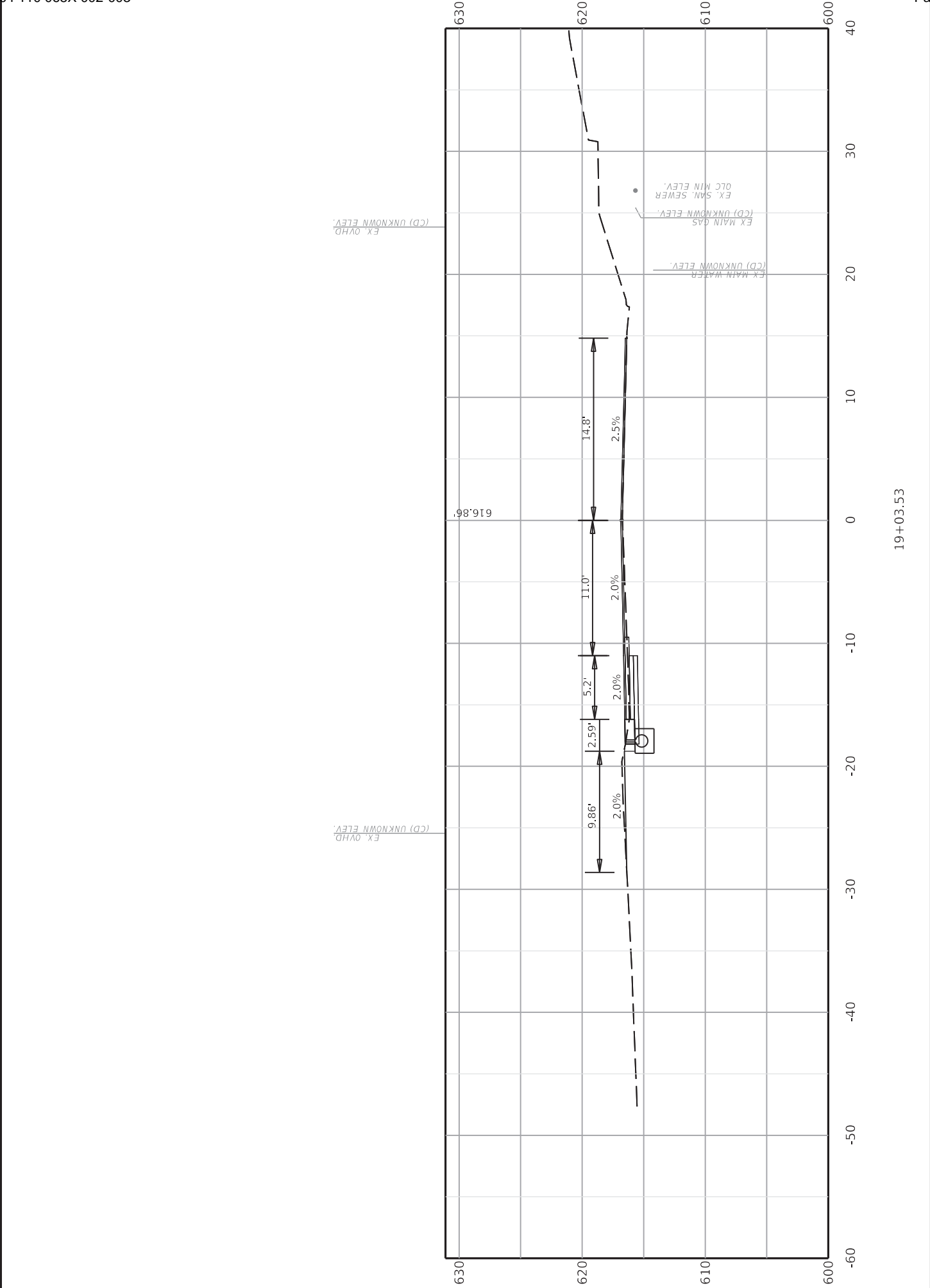
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

ITEM NO.	COUNTY OF
03-9031.00	TODD
SHEET NO.	X26



COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: CROSS-SECTION SHEET STA 19+00.00		ITEM NO. 03-9031.00	COUNTY OF TODD
			SHEET NO. X27	

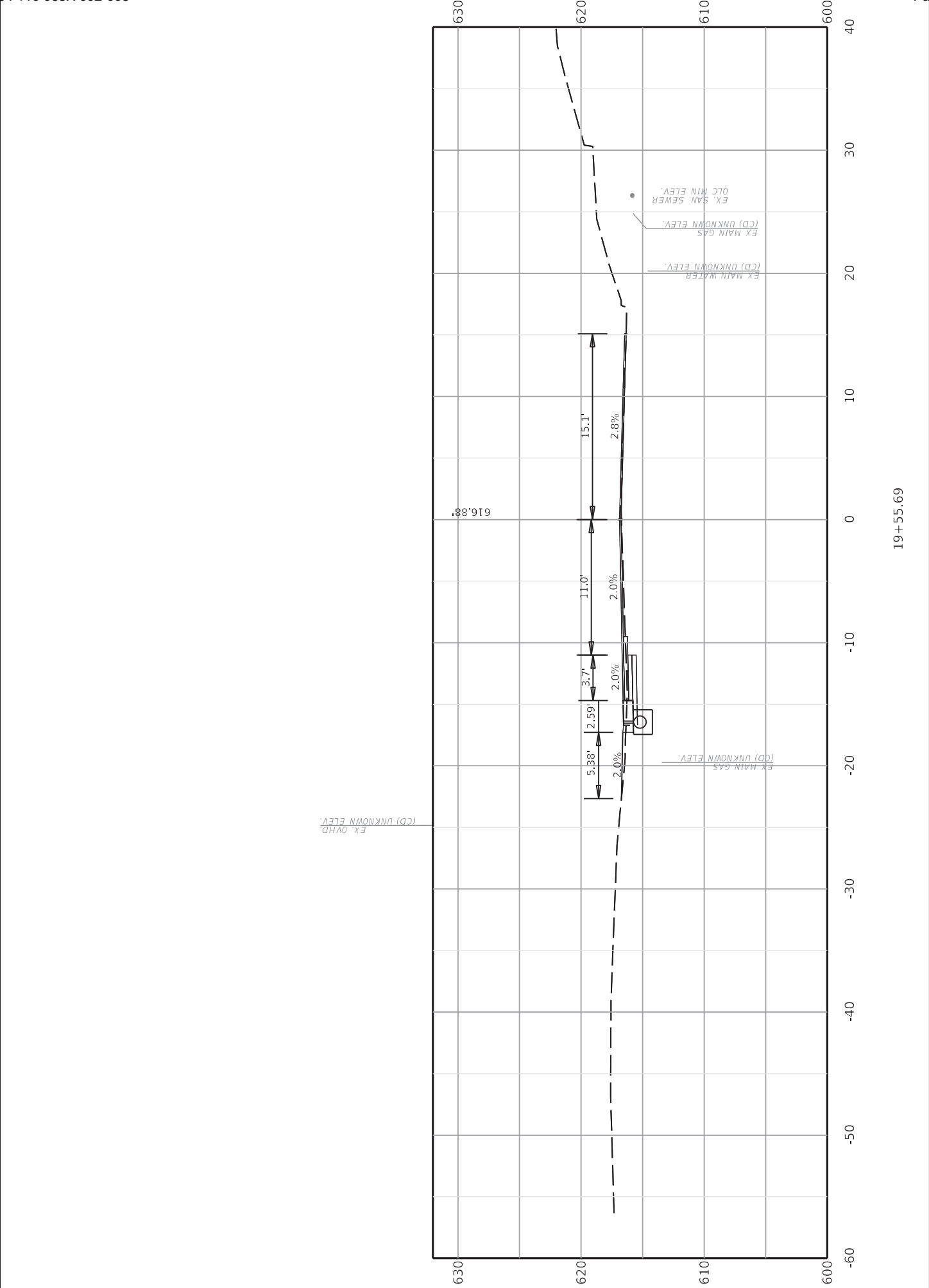
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USER: brett.duncan



COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: ENTRANCE STA 19+03.53			ITEM NO. 03-9031.00 SHEET NO. X28	COUNTY OF TODD

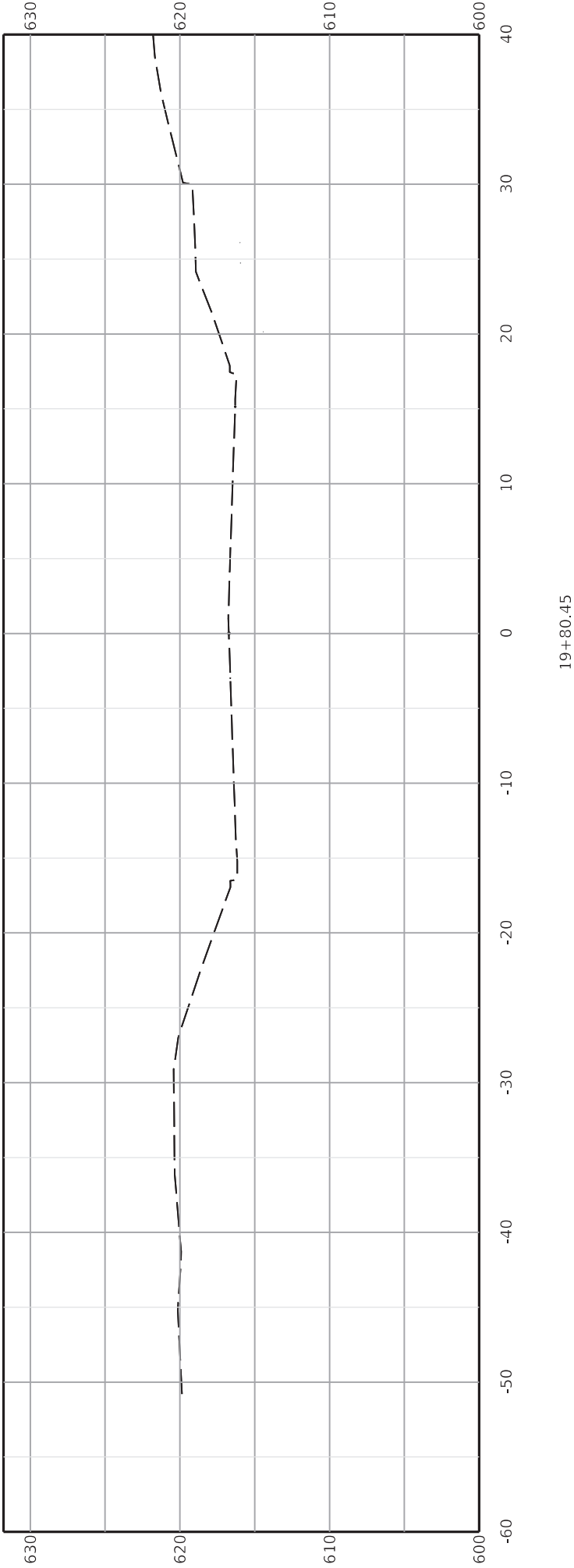
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USER: brett.duncan





COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS		DRAWING TITLE: ENTRANCE 19+55.69		ITEM NO. 03-9031.00	COUNTY OF TODD
				SHEET NO.	X30



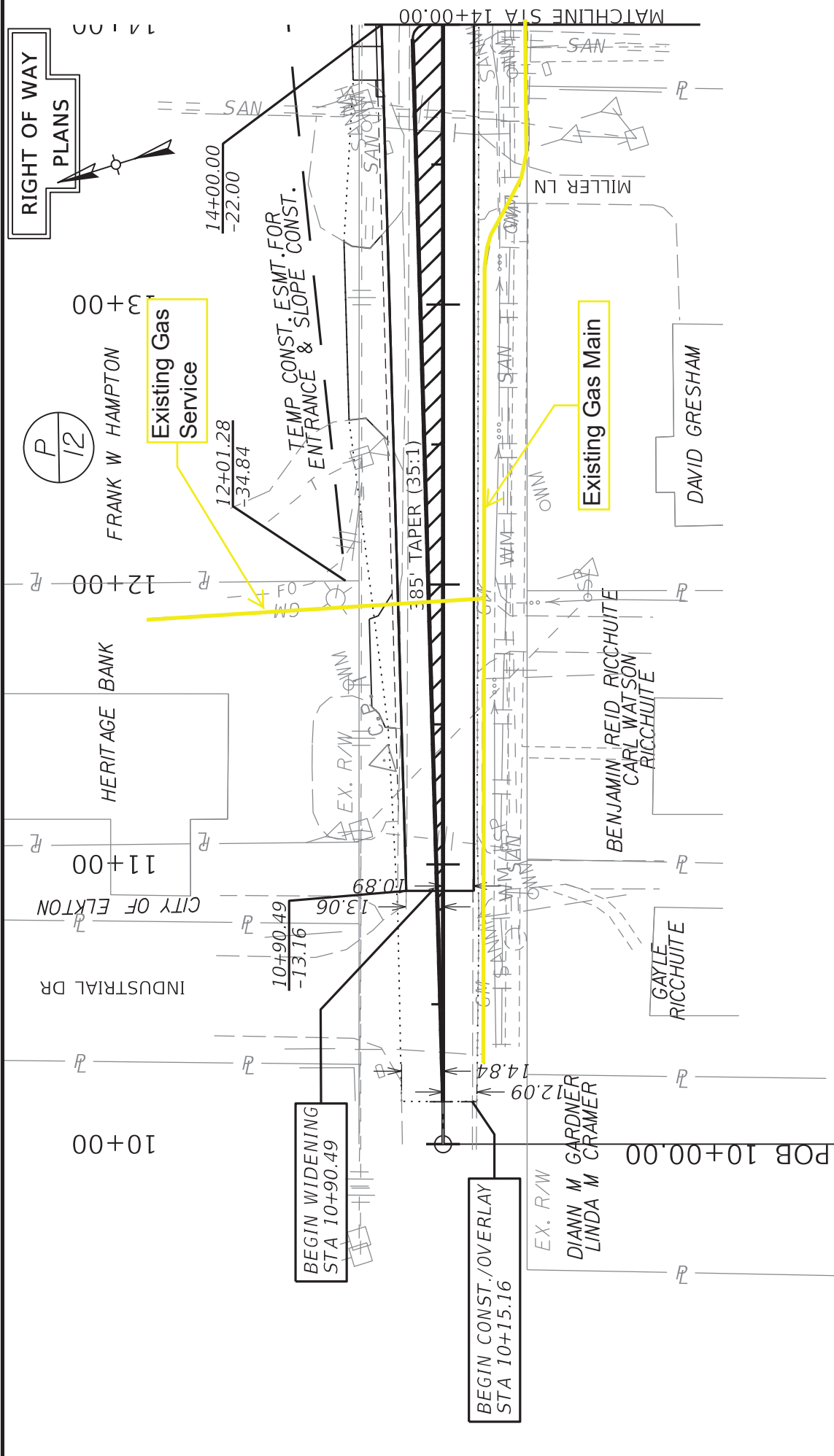


DRAWING TITLE: CROSS-SECTION SHEET  
STA 19+80.45

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

ITEM NO.  
03-9031.00  
COUNTY OF  
TODD  
SHEET NO.  
X31

UTILITY RELOCATION PLANS  
FOR INFORMATION PURPOSES ONLY



ENTRANCE CHART					
LT. OR RT.	STA.	WIDTH (FT.)	AREA (SQ. YD.)	PAVEMENT TYPE	8-IN. CONC. ENT. PAVE. (SQ. YD.)
LT.	11+73.62	48	37.2	ASPHALT	
LT.	12+89.96	73.39	97.2	ASPHALT	
LT.	13+92.18	24	23.1	ASPHALT	5.3
					24

CONST. STANDARD CURB & GUTTER		
LT. OR RT.	STATION - STATION	L.F.*
LT.	13+74 13+80	6
*NOTE: EXCLUDES CURB BOX INLETS AND ENTRANCES		

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: 03-9031.00 PLAN SHEET  
STA 10+00.00 TO STA 14+00.00

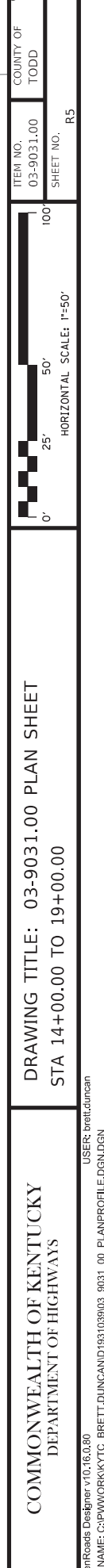
ITEM NO.  
03-9031.00  
SHEET NO.  
R3

COUNTY OF  
TODD

0' 25' 50' 100'

HORIZONTAL SCALE: 1"=50'

USER: breitt.duncan  
OpenRoads Designer v10.16.0.80  
FILE NAME: C:\P\WORK\KYTC\_BRETT.DUNCAN\1931039\03\_9031\_00\_PLAN\PROFILE.DGN.DGN

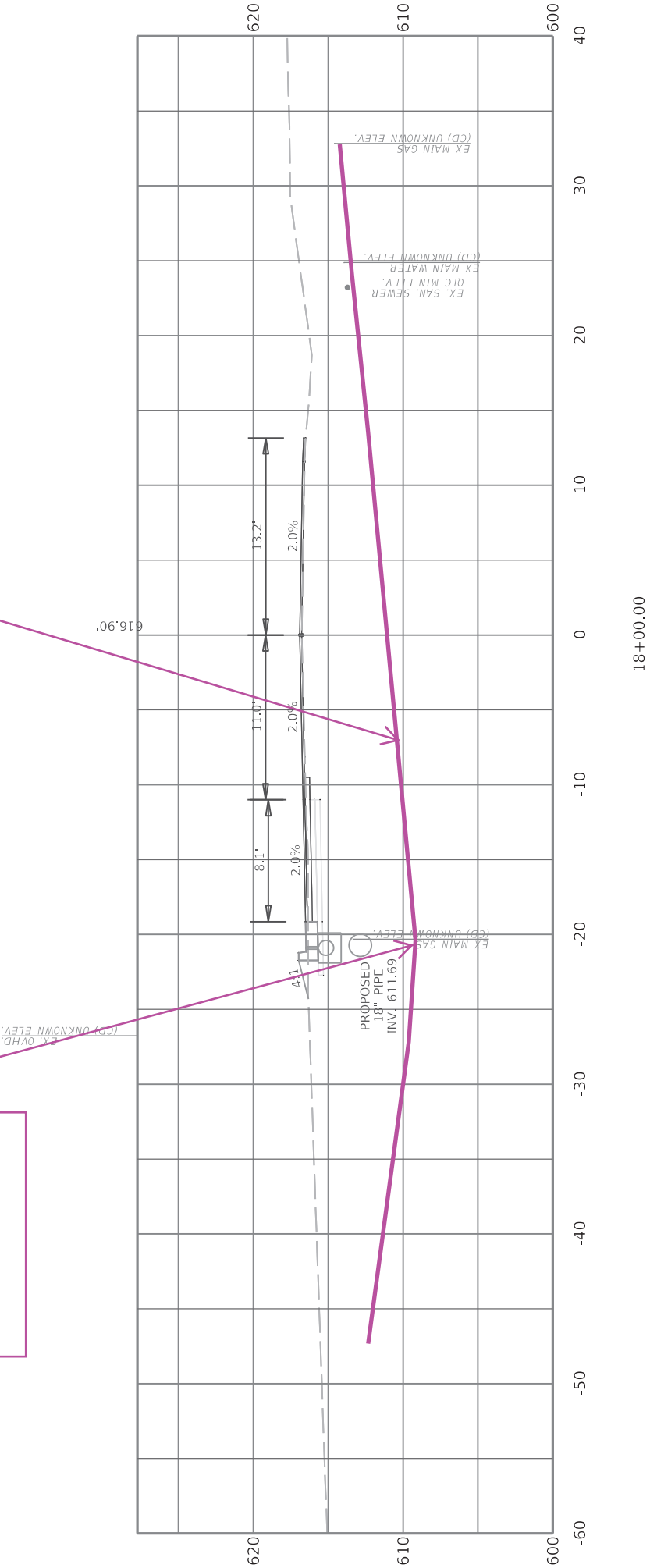




RIGHT OF WAY  
PLANS

HDD Profile for  
installed 3/4" HDPE  
branch service

Service has  
approximately 8' 8"  
of cover from existing  
grade at intersection  
of proposed 18" pipe







DRAWING NO.  
SHEET 6-C-1

July 25, 2023

ERIC T. HARRIS  
23703  
STATE OF KENTUCKY  
PROFESSIONAL ENGINEER

City of Elktion  
Middle School Turning Lane Project  
03-9031.00 Todd County, Elktion, Kentucky  
Utility Relocation Plan

FIRM: Mcghee  
DES BY: MMS  
APP BY: ETH  
CHK BY: ETH  
PROJECT DATE:  
SCALE: As Shown  
PROJECT DATE:  
LENGTH OF BAR IS 1"  
ON ORIGINAL DRAWING

McGHEE  
ENGINEERING

202 Ewing Street  
Columbia, KY 42204  
(270) 483-9955

RECORD DRAWING  
PREPARED BY:  
DATE PREPARED:  
CONTRACTOR:  
DATE BUILT:  
NOTES:



# CONCRETE THRUST BLOCKS

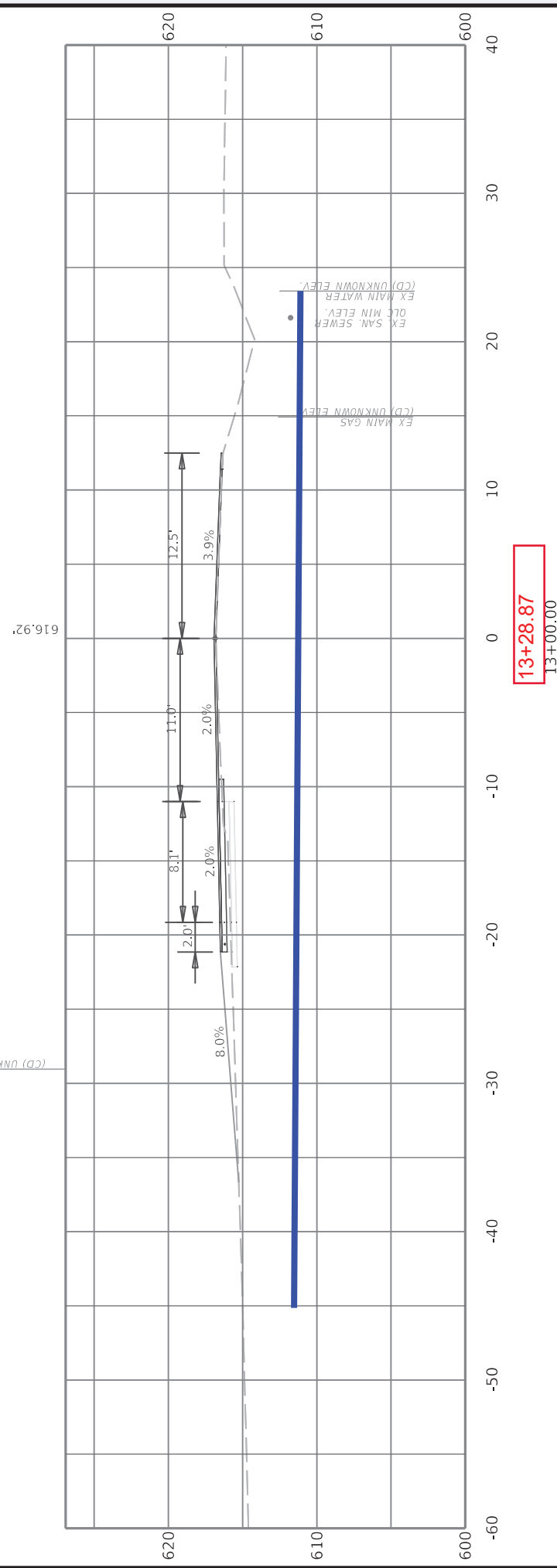


July 25, 2023

ERIC T. HARRIS  
23703  
PROFESSIONAL ENGINEER  
STATE OF KENTUCKY

DRAWING NO.  
SHEET D-2

EX. OVHD.  
(CD) UNKNOWN ELEV.

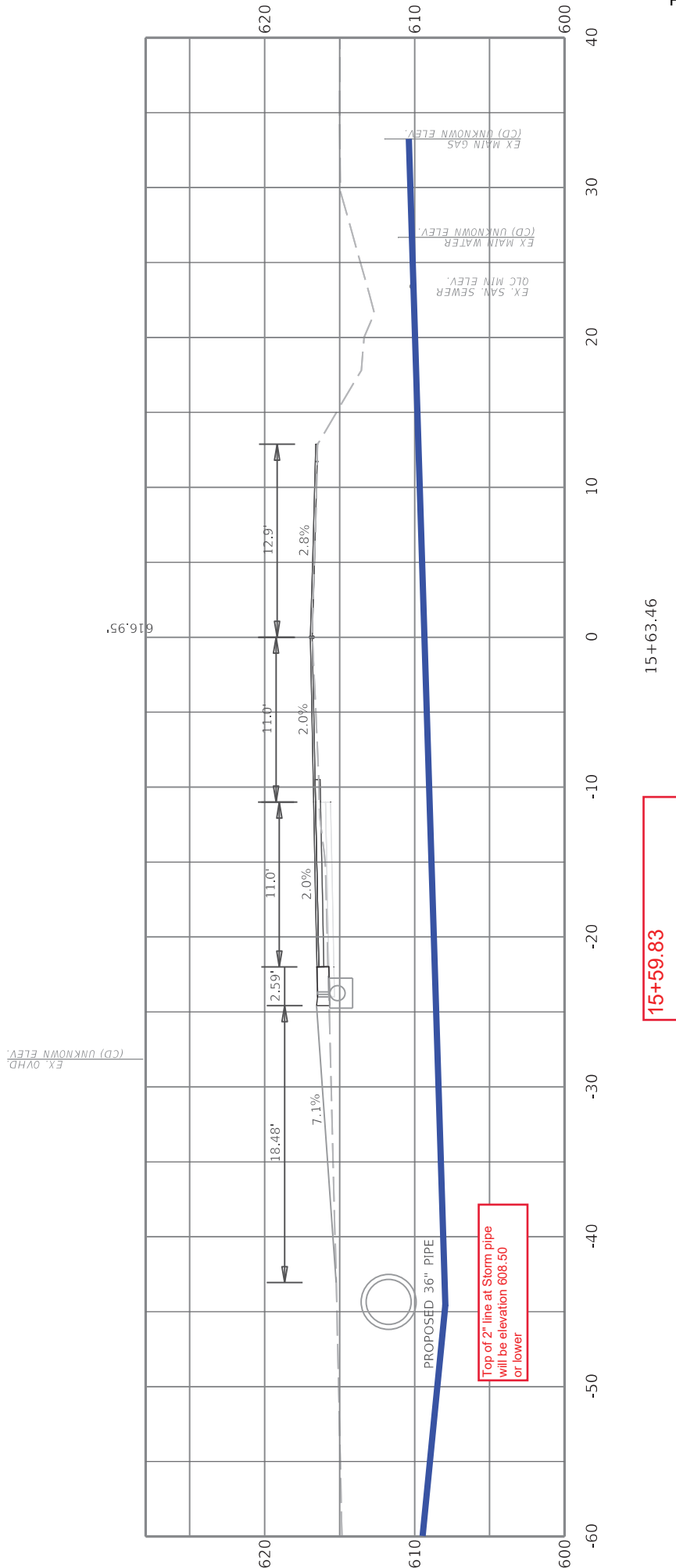


ITEM NO.	COUNTY OF
03-9031.00	TODD
SHEET NO. X8	

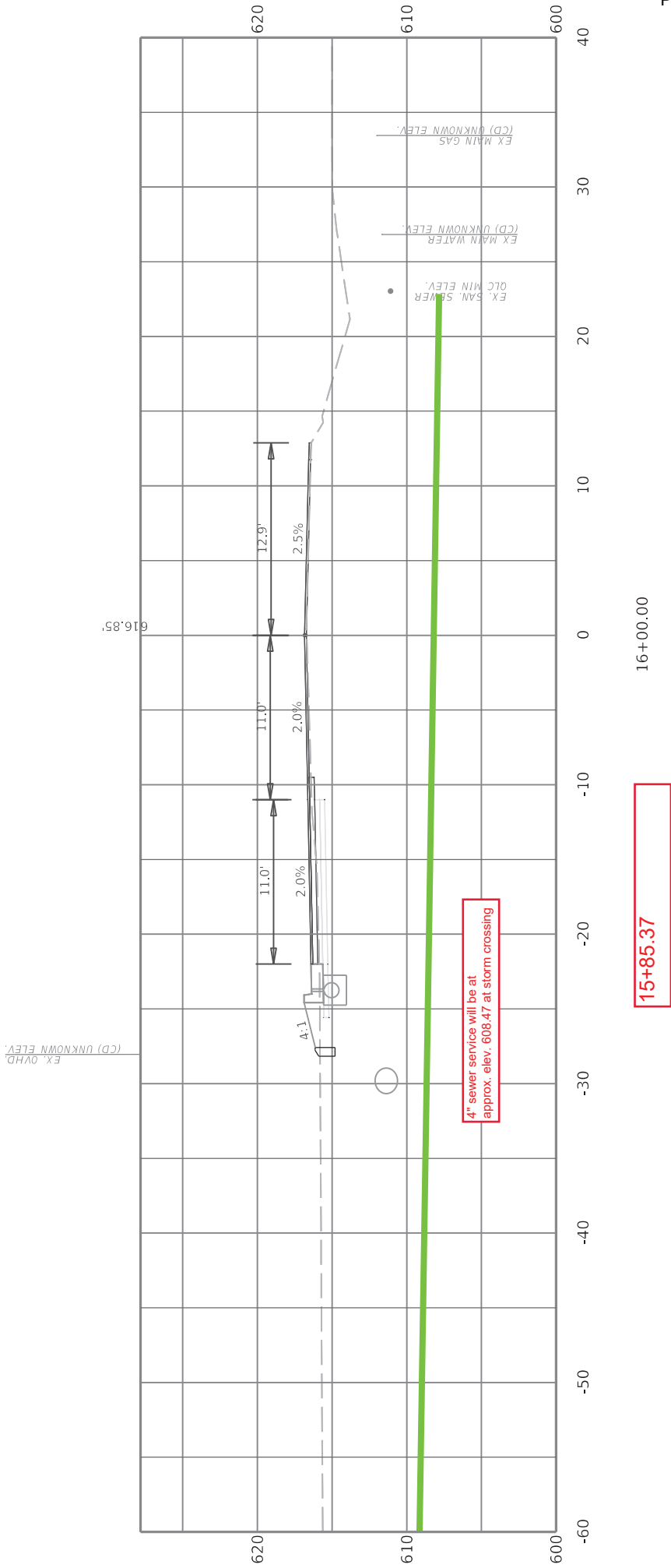
DRAWING TITLE: CROSS-SECTION SHEET  
STA 13+00.00

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

RIGHT OF WAY  
PLANS



RIGHT OF WAY  
PLANS



The diagram illustrates a sanitary sewer profile with the following details:

- Proposed Pipe:** A solid blue line representing the proposed 18" pipe, running horizontally at an elevation of 610.00.
- Water Service Line:** A red rectangular box highlights the crossing point with the text: "Water service line will be at elevation 610.00 at storm pipe crossing".
- Existing Infrastructure:**
  - Manholes:** Two manholes are shown as circles. The one on the left is labeled "PROPOSED 18" PIPE" and "MANHOLE". The one on the right is labeled "EXISTING 18" PIPE" and "MANHOLE".
  - Main Lines:** Dashed lines represent existing main lines. Labels include "EX. SAN. SEWER", "EX. MAIN WATER", "EX. MAIN GAS", and "(CD) UNKNOWN ELEV.".
- Profile Segments and Slopes:**
  - Segment 1: From station -40 to -20, slope 8.0%.
  - Segment 2: From station -20 to -10, slope 2.0%.
  - Segment 3: From station -10 to 0, slope 2.0%.
  - Segment 4: From station 0 to 10, slope 2.0%.
  - Segment 5: From station 10 to 30, slope 2.0%.
- Vertical Dimensions:**
  - 4.15' (from station -40 to -30)
  - 2.59' (from station -30 to -20)
  - 8.3' (from station -20 to -10)
  - 11.0' (from station -10 to 0)
  - 13.1' (from station 0 to 10)
- Grid and Scale:**
  - Horizontal Axis (Stationing):** Ranges from -60 to 40, with major grid lines every 10 units.
  - Vertical Axis (Elevation):** Ranges from 600 to 620, with major grid lines every 10 units.

Water service line will be at elevation 610.00 at storm pipe crossing

$$17 + 83 = 100 \quad 17 + 93.85 = 110.85$$

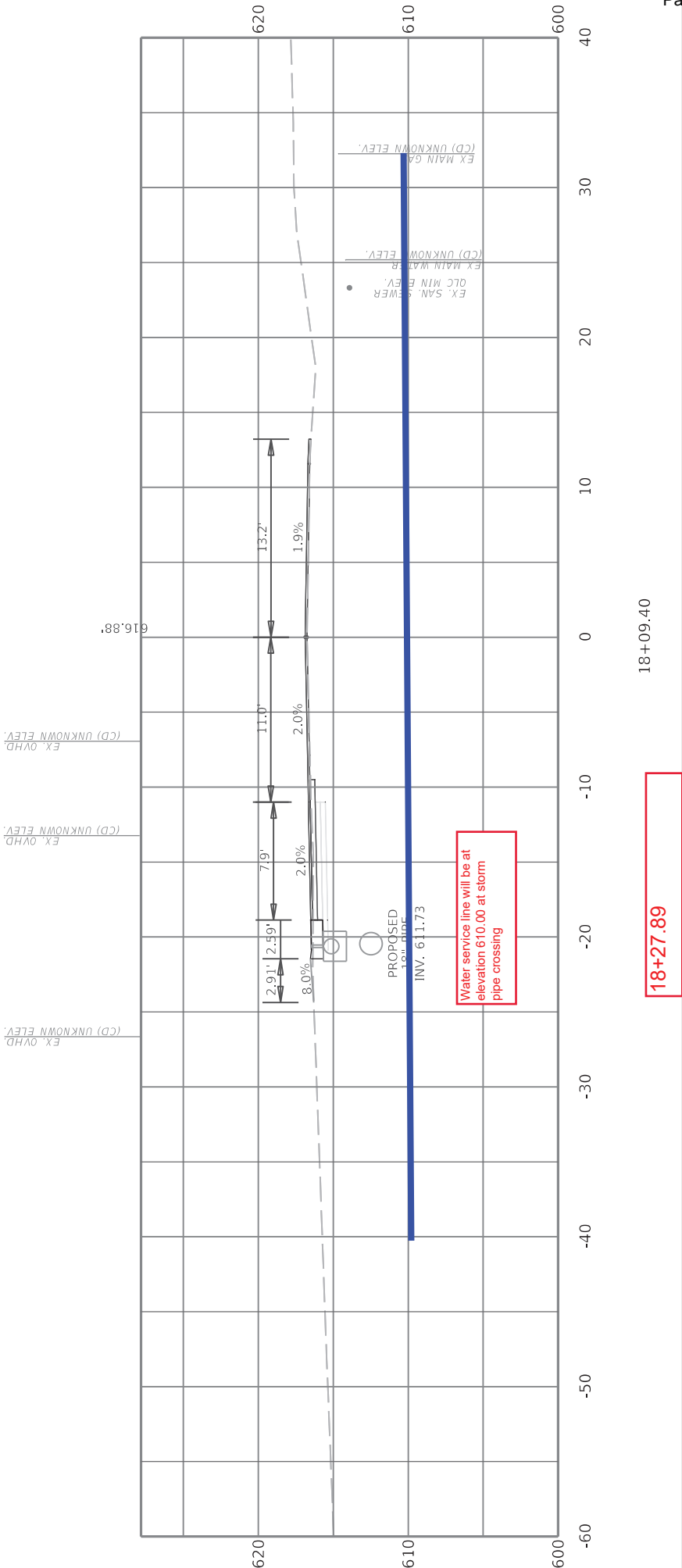
DRAWING TITLE: ENTRANCE STA 17+93.85

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

ITEM NO.	COUNTY OF
03-9031.00	TODD

SHEET NO. X23

RIGHT OF WAY  
PLANS



## **SPECIAL NOTE FOR PIPELINE INSPECTION**

**1.0 DESCRIPTION.** The Department will perform visual inspections on all pipe on the project. A video inspection will be required on projects having more than 250 linear feet of storm sewer and/or culvert pipe and on routes with an ADT of greater than 1,000 vehicles. Conduct video inspections on all pipe located under the roadway and 50 percent of the remaining pipe not under the roadway. Storm sewer runs and outfall pipes not under the roadway take precedence over rural entrance pipes. Contractors performing this item of work must be prequalified with the Department in the work type J51 (Video Pipe Inspection and Cleaning). Deflection testing shall be completed using a mandrel in accordance with the procedure outlined below or by physical measurement for pipes greater than 36 inches in diameter. Mandrel testing for deflection must be completed prior to the video inspection testing. Unless otherwise noted, Section references herein are to the Department's Standard Specifications for Road and Bridge Construction, current edition.

**2.0 VIDEO INSPECTION.** Ensure pipe is clear of water, debris or obstructions. Complete the video inspection and any necessary measurement prior to placing the final surface over any pipe. When paving will not be delayed, take measurements 30 days or more after the completion of earthwork to within 1 foot of the finished subgrade. Notify the Engineer a minimum of 24 hours in advance of inspection and notify the Engineer immediately if distresses or locations of improper installation are logged.

### **2.1 INSPECTION FOR DEFECTS AND DISTRESSES**

**A)** Begin at the outlet end and proceed through to the inlet at a speed less than or equal to 30 ft/minute. Remove blockages that will prohibit a continuous operation.

**B)** Document locations of all observed defects and distresses including but not limited to: cracking, spalling, slabbing, exposed reinforcing steel, sags, joint offsets, joint separations, deflections, improper joints/connections, blockages, leaks, rips, tears, buckling, deviation from line and grade, damaged coatings/paved inverts, and other anomalies not consistent with a properly installed pipe.

**C)** During the video inspection provide a continuous 360 degree pan of every pipe joint.

**D)** Identify and measure all cracks greater than 0.1" and joint separations greater than 0.5".

**E)** Video Inspections are conducted from junction to junction which defines a pipe run. A junction is defined as a headwall, drop box inlet, curb box inlet, manhole, buried junction, or other structure that disturbs the continuity of the pipe. Multiple pipe inspections may be conducted from a single set up location, but each pipe run must be on a separate video file and all locations are to be referenced from nearest junction relative to that pipe run.

**F)** Record and submit all data on the TC 64-765 and TC 64-766 forms.

**3.0 MANDREL TESTING.** Mandrel testing will be used for deflection testing. For use on Corrugated Metal Pipe, High Density Polyethylene Pipe, and Polyvinyl Chloride Pipe, use a mandrel device with an odd number of legs (9 minimum) having a length not less than the outside diameter of the mandrel. The diameter of the mandrel at any point shall not be less than the diameter specified in Section 3.6. Mandrels can be a fixed size or a variable size.

**3.1** Use a proving ring or other method recommended by the mandrel manufacturer to verify mandrel diameter prior to inspection. Provide verification documentation for each size mandrel to the Engineer.

**3.2** All deflection measurements are to be based off of the AASHTO Nominal Diameters. Refer to the chart in section 3.6.

**3.3** Begin by using a mandrel set to the 5.0% deflection limit. Place the mandrel in the inlet end of the pipe and pull through to the outlet end. If resistance is met prior to completing the entire run, record the maximum distance achieved from the inlet side, then remove the mandrel and continue the inspection from the outlet end of the pipe toward the inlet end. Record the maximum distance achieved from the outlet side.

**3.4** If no resistance is met at 5.0% then the inspection is complete. If resistance occurred at 5.0% then repeat 3.1 and 3.2 with the mandrel set to the 10.0% deflection limit. If the deflection of entire pipe run cannot be verified with the mandrel then immediately notify the Engineer.

**3.5** Care must be taken when using a mandrel in all pipe material types and lining/coating scenarios. Pipe damaged during the mandrel inspection will be video inspected to determine the extent of the damage. If the damaged pipe was video inspected prior to mandrel inspection then a new video inspection is warranted and supersedes the first video inspection. Immediately notify the Engineer of any damages incurred during the mandrel inspection and submit a revised video inspection report.

**3.6** AASHTO Nominal Diameters and Maximum Deflection Limits.

Base Pipe Diameter	AASHTO Nominal Diameter	Max. Deflection Limit	
		5.0%	10.0%
(inches)	(inches)	(inches)	
15	14.76	14.02	13.28
18	17.72	16.83	15.95
24	23.62	22.44	21.26
30	29.53	28.05	26.58
36	35.43	33.66	31.89
42	41.34	39.27	37.21
48	47.24	44.88	42.52
54	53.15	50.49	47.84
60	59.06	56.11	53.15



**4.0 PHYSICAL MEASUREMENT OF PIPE DEFLECTION.** Alternate method for deflection testing when there is available access or the pipe is greater than 36 inches in diameter, as per 4.1. Use a contact or non-contact distance instrument. A leveling device is recommended for establishing or verifying vertical and horizontal control.

**4.1** Physical measurements may be taken after installation and compared to the AASHTO Nominal Diameter of the pipe as per Section 3.6. When this method is used, determine the smallest interior diameter of the pipe as measured through the center point of the pipe (D2). All measurements are to be taken from the inside crest of the corrugation. Take the D2 measurements at the most deflected portion of the pipe run in question and at intervals no greater than ten (10) feet through the run. Calculate the deflection as follows:

$$\% \text{ Deflection} = [(AASHTO \text{ Nominal Diameter} - D2) / AASHTO \text{ Nominal Diameter}] \times 100\%$$

Note: The Engineer may require that preset monitoring points be established in the culvert prior to backfilling. For these points the pre-installation measured diameter (D1) is measured and recorded. Deflection may then be calculated from the following formula:

$$\% \text{ Deflection} = [(D1 - D2) / D1] (100\%)$$

**4.2** Record and submit all data.

**5.0 DEDUCTION SCHEDULE.** All pipe deductions shall be handled in accordance with the tables shown below.

FLEXIBLE PIPE DEFLECTION	
Amount of Deflection (%)	Payment
0.0 to 5.0	100% of the Unit Bid Price
5.1 to 9.9	50% of the Unit Bid Price <sup>(1)</sup>
10 or greater	Remove and Replace <sup>(2)</sup>

*<sup>(1)</sup> Provide Structural Analysis for HDPE and metal pipe. Based on the structural analysis, pipe may be allowed to remain in place at the reduced unit price. <sup>(2)</sup> The Department may allow the pipe to remain in place with no pay to the Contractor in instances where it is in the best interest to the public and where the structural analysis demonstrates that the pipe should function adequately.*

RIGID PIPE REMEDIATION TABLE PIPE	
Crack Width (inches)	Payment
≤ 0.1	100% of the Unit Bid Price
Greater than 0.1	Remediate or Replace <sup>(1)</sup>

*(1) Provide the Department in writing a method for repairing the observed cracking. Do not begin work until the method has been approved.*

**6.0 PAYMENT.** The Department will measure the quantity in linear feet of pipe to inspect. 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>
24814EC	Pipeline Inspection	Linear Foot
10065NS	Pipe Deflection Deduction	Dollars

## SPECIAL NOTE FOR NON-TRACKING TACK COAT

1. DESCRIPTION AND USEAGE. This specification covers the requirements and practices for applying a non-tracking tack asphalt coating. Place this material on the existing pavement course, prior to placement of a new asphalt pavement layer. Use when expedited paving is necessary or when asphalt tracking would negatively impact the surrounding area. This material is not suitable for other uses. Ensure material can “break” within 15 minutes under conditions listed in 3.2.
2. MATERIALS, EQUIPMENT, AND PERSONNEL.

2.1 Non-Tracking Tack. Provide material conforming to Subsection 2.1.1.

2.1.1 Provide a tack conforming to the following material requirements:

Property	Specification	Test Procedure
Viscosity, SFS, 77 ° F	20 – 100	AASHTO T 72
Sieve, %	0.3 max.	AASHTO T 59
Asphalt Residue <sup>1</sup> , %	50 min.	AASHTO T 59
Oil Distillate, %	1.0 max.	AASHTO T 59
Residue Penetration, 77 ° F	0 - 30	AASHTO T 49
Original Dynamic Shear (G*/sin δ), 82 ° C	1.0 min.	AASHTO T 315
Softening Point, ° F	149 min.	AASHTO T 53
Solubility, %	97.5 min.	AASHTO T 44

<sup>1</sup> Bring sample to 212 °F over a 10-15 minute period. Maintain 212 °F for 15-20 minutes or until 30-40 mL of water has distilled. Continue distillation as specified in T59.

- 2.2. Equipment. Provide a distributor truck capable of heating, circulating, and spraying the tack between 170 °F and 180 °F. Do not exceed 180 °F. Circulate the material while heating. Provide the correct nozzles that is recommend by the producer to ensure proper coverage of tack is obtained. Ensure the bar can be raised to between 14” and 18” from the roadway.
  - 2.3. Personnel. Ensure the tack supplier has provided training to the contractor on the installation procedures for this product. Make a technical representative from the supplier available at the request of the Engineer.
3. CONSTRUCTION.
    - 3.1 Surface Preparation. Prior to the application of the non-tracking tack, ensure the pavement surface is thoroughly dry and free from dust or any other debris that would inhibit adhesion. Clean the surface by scraping, sweeping, and the use of compressed air. Ensure this preparation process occurs shortly before application to prevent the return of debris on to the pavement. If rain is expected within one hour after application, do not apply material. Apply material only when the surface is dry, and no precipitation is expected.

- 3.2 Non-tracking Tack Application. Placement of non-tracking tack is not permitted from October 1<sup>st</sup> to May 15<sup>th</sup>. When applying material, ensure the roadway temperature is a minimum of 40°F and rising. Prior to application, demonstrate competence in applying the tack according to this note to the satisfaction of the Engineer. Heat the tack in the distributor to between 170 – 180 °F. After the initial heating, between 170 – 180 °F, the material may be sprayed between 165 °F and 180 °F. Do not apply outside this temperature range. Apply material at a minimum rate of 0.70 pounds (0.08 gallons) per square yard. Ensure full coverage of the material on the pavement surface. Full coverage of this material is critical. Increase material application rate if needed to achieve full coverage. Schedule the work so that, at the end of the day's production, all non-tracking tack is covered with the asphalt mixture. If for some reason the non-tracking tack cannot be covered by an asphalt mixture, ensure the non-tracking tack material is clean and reapply the non-tracking tack prior to placing the asphalt mixture. Do not heat material more than twice in one day.
- 3.3 Non-tracking Tack Certification. Furnish the tack certification to the Engineer stating the material conforms to all requirements herein prior to use.
- 3.4 Sampling and Testing. The Department will require a sample of non-tracking tack be taken from the distributor at a rate of one sample per 15,000 tons of mix. Take two 1 gallon samples of the heated material and forward the sample to the Division of Materials for testing within 7 days. Ensure the product temperature is between 170 and 180 °F at the time of sampling.
4. MEASUREMENT. The Department will measure the quantity of non-tracking tack in tons. The Department will not measure for payment any extra materials, labor, methods, equipment, or construction techniques used to satisfy the requirements of this note. The Department will not measure for payment any trial applications of non-tracking tack, the cleaning of the pavement surface, or furnishing and placing the non-tracking tack. The Department will consider all such items incidental to the non-tracking tack.
5. PAYMENT. The Department will pay for the non-tracking tack at the Contract unit bid price and apply an adjustment for each manufacturer's lot of material based on the degree of compliance as defined in the following schedule. Non-tracking tack will not be permitted for use from October 1<sup>st</sup> to May 15<sup>th</sup>. During this timeframe, the department will allow the use of an approved asphalt emulsion in lieu of a non-tracking tack product but will not adjust the unit bid price of the material. When a sample fails on two or more tests, the Department may add the deductions, but the total deduction will not exceed 100 percent.

Non-Tracking Tack Price Adjustment Schedule						
Test	Specification	100% Pay	90% Pay	80% Pay	50% Pay	0% Pay
Viscosity, SFS, 77 ° F	20 – 100	19 - 102	17 - 18	15 - 16	14	≤13
			103 - 105	106 - 107	108 - 109	≥ 110
Sieve, %	0.30 max.	≤ 0.40	0.41 - 0.50	0.51 - 0.60	0.61 - 0.70	≥ 0.71
Asphalt Residue, %	50 min.	≥49.0	48.5 – 48.9	48.0 – 48.4	47.5-47.9	≤ 47.4
Oil Distillate, %	1.0 max.	≤1.0	1.1-1.5	1.6 - 1.7	1.8-1.9	>2.0
Residue Penetration, 77 ° F.	30 max.	≤ 31	32 - 33	34 - 35	36 - 37	≥ 38
Original Dynamic Shear (G*/sin δ), 82 ° C	1.0 min.	≥0.95	0.92 – 0.94	0.90 – 0.91	0.85 - 0.89	≤ 0.84
Softening Point, ° F	149 min.	≥145	142 - 144	140 - 141	138 - 139	≤ 137
Solubility, %	97.5 min.	≥ 97.0	96.8 – 96.9	96.6 – 96.7	96.4 – 96.5	≤ 96.3

Code  
24970EC

Pay Item  
Asphalt Material for Tack Non-Tracking

Pay Unit  
Ton

Revised: May 23, 2022



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)
03-9031.00		Todd		1100 FD04 110 1344701R	
PROJECT DESCRIPTION					
Minor widening to provide left turn lane at Todd Co. Middle School					
<input 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 checked="" 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		5	EXCEPTION (S) Parcel #		ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
Number of Parcels That Have Been Acquired					
Signed Deed		5			
Condemnation					
Signed ROE					
Notes/ Comments (Text is limited. Use additional sheet if necessary.)					
LPA RW Project Manager			Right of Way Supervisor		
Printed Name				Printed Name	
Signature				Signature	
Date				Date	
Right of Way Director			FHWA		
Printed Name				Printed Name	
Signature		Digitally signed by Kelly Divine Date: 2024.02.15 06:47:19 -06'00'		Signature	
Date				Date	

## UTILITIES AND RAIL CERTIFICATION NOTE

**TODD COUNTY**  
**NO FEDERAL NUMBER AVAILABLE**  
**FD04 110 1344701U**  
**MILE POINT: TO**  
**MINOR WIDENING TO PROVIDE WB LEFT TURN LANE AT TODD COUNTY MIDDLE SCHOOL.**  
**(2020BOP) (2021SCHSAF)**  
**ITEM NUMBER: 03-9031.00**

### PROJECT NOTES ON UTILITIES

For all projects under 2000 Linear feet which require a normal excavation locate request pursuant to KRS 367.4901-4917, the awarded contractor shall field mark the proposed excavation or construction boundaries of the project (also called white lining) using the procedure set forth in KRS 367.4909(9)(k). 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.

Please 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 activities. The contractor will coordinate his 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.

## UTILITIES AND RAIL CERTIFICATION NOTE

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### PROJECT NOTES ON UTILITIES *continued*

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.

**NOTE: DO NOT DISTURB THE FOLLOWING FACILITIES LOCATED  
WITHIN THE PROJECT DISTURB LIMITS**

**Not Applicable**

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



UTILITIES AND RAIL CERTIFICATION NOTE

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THE FOLLOWING FACILITY OWNERS ARE RELOCATING/ADJUSTING THEIR FACILITIES WITHIN THE PROJECT LIMITS AND WILL BE COMPLETE PRIOR TO CONSTRUCTION

- Kentucky Communications Network Authority - Communication
- Mediacom Southeast LLC - CATV
- Pennyrile Rural Electric Cooperative Corporation - Electric
- AT&T-KY - Telephone
- Atmos Energy Corporation - Natural Gas

THE FOLLOWING FACILITY OWNERS HAVE FACILITIES TO BE RELOCATED/ADJUSTED BY THE OWNER OR THEIR SUBCONTRACTOR AND IS TO BE COORDINATED WITH THE ROAD CONTRACT

City of Elkton, Kentucky - Water and Sewer Department – Sewer – Relocate and Reconnect four water service crossings at approx. Station 13+25, Station 15+60, Station 17+80, Station 18+30 and one sewer service crossing at approx. Station 15+90. Completion of said water and sewer construction is expected to be complete by May 30, 2024.

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

Not Applicable

## UTILITIES AND RAIL CERTIFICATION NOTE

<p style="text-align: center;"><b>TODD COUNTY</b> <b>NO FEDERAL NUMBER AVAILABLE</b> <b>FD04 110 1344701U</b> <b>MILE POINT: TO</b> <b>MINOR WIDENING TO PROVIDE WB LEFT TURN LANE AT TODD COUNTY MIDDLE SCHOOL.</b> <b>(2020BOP) (2021SCHSAF)</b> <b>ITEM NUMBER: 03-9031.00</b></p>
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### RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involvement   ☐ Rail Involved   ☐ Rail Adjacent

### AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
AT&T-KY - Telephone	1150 State Street Bowling Green KY 42101	Michael Forrest	2705195862	michael.forrest@att.com
Atmos Energy Corporation - Natural Gas	2850 Russellville Road Bowling Green KY 42101	Silas Bohlen	2705700445	Silas.bohlen@atmosenergy.com
City of Elkton, Kentucky - Water and Sewer Department - Sewer	P.O. Box 578 Elkton KY 42220	Chris Orr	2702655703	corr@elktonky.com
Kentucky Communications Network Authority - Communication	2008 Mercer Road Lexington KY 40511	Cory Speary	5128753584	cory.speary@ledcor.com
Mediacom Southeast LLC - CATV	320B Taylor Ave Princeton KY 42445	Brian Carter	2707034363	Bcarter@mediacomcc.com

UTILITIES AND RAIL CERTIFICATION NOTE

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ITEM NUMBER: 03-9031.00

Pennyrile Rural Electric Cooperative Corporation - Electric	P.O. Box 2900 Hopkinsville KY 42241	Joshua Johnson	2708862555	jjohnson@precc.com
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**PART II**

**SPECIFICATIONS AND STANDARD DRAWINGS**

2020 STANDARD DRAWINGS THAT APPLY

ROADWAY  
~ DRAINAGE ~

BOX INLETS AND OUTLETS

DROP BOX INLET TYPE 7.....	RDB-007-03
DROP BOX INLET TYPE 7.....	RDB-008-04
DROP BOX INLET TYPE 13 AND TYPE 16.....	RDB-014-06
DROP BOX INLET TYPE 16.....	RDB-030-04
DROP BOX INLET TYPE 16.....	RDB-031-04
DROP BOX INLET TYPE 16.....	RDB-032-04
DROP BOX INLET TYPE 16.....)	RDB-033-03
DROP BOX INLET TYPE 16.....	RDB-034-04
DROP BOX INLET TYPE 16.....	RDB-035-04

PAVED DITCHES, FLUME INLETS AND CHANNEL LININGS

CHANNEL LINING CLASS II AND III.....	RDD-040-05
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HEADWALLS

PIPE CULVERT HEADWALLS.....	RDH-110-02
DIMENSIONS & QUANTITIES 30"-108" HEADWALLS CIRCULAR PIPE 0° SKEW.....	RDY-210-03

TYPICAL DRAINAGE INSTALLATIONS

CULVERT AND STORM SEWER PIPE TYPES AND COVER HEIGHTS.....	RDI-001-10
CULVERT AND STORM SEWER PIPE TYPES AND COVER HEIGHTS.....	RDI-002-05
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.....	RDI-040-01
EROSION CONTROL BLANKET CHANNEL INSTALLATION.....	RDI-041-01
SLOTTED DRAIN PIPE.....	RDI-200-05

MISCELLANEOUS DRAINAGE

JUNCTION BOX.....	RDX-001-06
JUNCTION BOX.....	RDX-002-04
TEMPORARY SILT FENCE.....	RDX-210-03
SILT TRAP - TYPE A .....	RDX-220-05
SILT TRAP - TYPE B.....	RDX-225-01
SILT TRAP - TYPE C.....	RDX-230-01

~ GENERAL ~

MISCELLANEOUS STANDARDS

MISCELLANEOUS STANDARDS.....	RGX-001-06
RIGHT-OF-WAY MONUMENTS.....	RGX-005-06

~ PAVEMENT ~

MEDIANSM, CURBS, APPROACHES, ENTRANCES, ETC.

CURB AND GUTTER CURBS AND VALLEY GUTTER.....	RPM-100-11
APPROACHES, ENTRANCES AND MAIL BOX TURNOUT.....	RPM-110-07

TRAFFIC  
~ PERMANENT ~

MARKERS

TYPICAL MARKINGS FOR ISLANDS AND MEDIANS.....	TPM-205
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~ *TEMPORARY* ~  
TRAFFIC CONTROL

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

## **SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGNS**

This Special Note will apply when indicated on the plans or in the proposal.

**1.0 DESCRIPTION.** Furnish, install, operate, and maintain variable message signs at the locations shown on the plans or designated by the Engineer. Remove and retain possession of variable message signs when they are no longer needed on the project.

## **2.0 MATERIALS.**

**2.1 General.** Use LED Variable Message Signs Class I, II, or III, as appropriate, from the Department's List of Approved Materials.

Unclassified signs may be submitted for approval by the Engineer. The Engineer may require a daytime and nighttime demonstration. The Engineer will make a final decision within 30 days after all required information is received.

### **2.2 Sign and Controls.** All signs must:

- 1) Provide 3-line messages with each line being 8 characters long and at least 18 inches tall. Each character comprises 35 pixels.
- 2) Provide at least 40 preprogrammed messages available for use at any time. Provide for quick and easy change of the displayed message; editing of the message; and additions of new messages.
- 3) Provide a controller consisting of:
  - a) Keyboard or keypad.
  - b) Readout that mimics the actual sign display. (When LCD or LCD type readout is used, include backlighting and heating or otherwise arrange for viewing in cold temperatures.)
  - c) Non-volatile memory or suitable memory with battery backup for storing pre-programmed messages.
  - d) Logic circuitry to control the sequence of messages and flash rate.
- 4) Provide a serial interface that is capable of supporting complete remote control ability through land line and cellular telephone operation. Include communication software capable of immediately updating the message, providing complete sign status, and allowing message library queries and updates.
- 5) Allow a single person easily to raise the sign to a satisfactory height above the pavement during use, and lower the sign during travel.
- 6) Be Highway Orange on all exterior surfaces of the trailer, supports, and controller cabinet.
- 7) Provide operation in ambient temperatures from -30 to + 120 degrees Fahrenheit during snow, rain and other inclement weather.
- 8) Provide the driver board as part of a module. All modules are interchangeable, and have plug and socket arrangements for disconnection and reconnection. Printed circuit boards associated with driver boards have a conformable coating to protect against moisture.
- 9) Provide a sign case sealed against rain, snow, dust, insects, etc. The lens is UV stabilized clear plastic (polycarbonate, acrylic, or other approved material) angled to prevent glare.
- 10) Provide a flat black UV protected coating on the sign hardware, character PCB, and appropriate lens areas.
- 11) Provide a photocell control to provide automatic dimming.

11

- 12) Allow an on-off flashing sequence at an adjustable rate.
- 13) Provide a sight to aim the message.
- 14) Provide a LED display color of approximately 590 nm amber.
- 15) Provide a controller that is password protected.
- 16) Provide a security device that prevents unauthorized individuals from accessing the controller.
- 17) Provide the following 3-line messages preprogrammed and available for use when the sign unit begins operation:

/KEEP/RIGHT/⇒⇒⇒/	/MIN/SPEED/**MPH/
/KEEP/LEFT/⇐⇐⇐/	/ICY/BRIDGE/AHEAD/ /ONE
/LOOSE/GRAVEL/AHEAD/	LANE/BRIDGE/AHEAD/
/RD WORK/NEXT/**MILES/	/ROUGH/ROAD/AHEAD/
/TWO WAY/TRAFFIC/AHEAD/	/MERGING/TRAFFIC/AHEAD/
/PAINT/CREW/AHEAD/	/NEXT/**/MILES/
/REDUCE/SPEED/**MPH/	/HEAVY/TRAFFIC/AHEAD/
/BRIDGE/WORK/**0 FT/	/SPEED/LIMIT/**MPH/
/MAX/SPEED/**MPH/	/BUMP/AHEAD/
/SURVEY/PARTY/AHEAD/	/TWO/WAY/TRAFFIC/

\*Insert numerals as directed by the Engineer.

Add other messages during the project when required by the Engineer.

### 2.3 Power.

- 1) Design solar panels to yield 10 percent or greater additional charge than sign consumption. Provide direct wiring for operation of the sign or arrow board from an external power source to provide energy backup for 21 days without sunlight and an on-board system charger with the ability to recharge completely discharged batteries in 24 hours.

**3.0 CONSTRUCTION.** Furnish and operate the variable message signs as designated on the plans or by the Engineer. Ensure the bottom of the message panel is a minimum of 7 feet above the roadway in urban areas and 5 feet above in rural areas when operating. Use Class I, II, or III signs on roads with a speed limit less than 55 mph. Use Class I or II signs on roads with speed limits 55 mph or greater.

Maintain the sign in proper working order, including repair of any damage done by others, until completion of the project. When the sign becomes inoperative, immediately repair or replace the sign. Repetitive problems with the same unit will be cause for rejection and replacement.

Use only project related messages and messages directed by the Engineer, unnecessary messages lessen the impact of the sign. Ensure the message is displayed in either one or 2 phases with each phase having no more than 3 lines of text. When no message is needed, but it is necessary to know if the sign is operable, flash only a pixel.

When the sign is not needed, move it outside the clear zone or where the Engineer directs. Variable Message Signs are the property of the Contractor and shall be removed from the project when no longer needed. The Department will not assume ownership of these signs.

**4.0 MEASUREMENT.** The final quantity of Variable Message Sign will be



11  
the actual number of individual signs acceptably furnished and operated during the project. The Department will not measure signs replaced due to damage or rejection.

**5.0 PAYMENT.** The Department will pay for the Variable Message Signs at the unit price each. The Department will not pay for signs replaced due to damage or rejection. Payment is full compensation for furnishing all materials, labor, equipment, and service necessary to, operate, move, repair, and maintain or replace the variable message signs. 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>
02671	Portable Changeable Message Sign	Each

Effective June 15, 2012

2020 STANDARD DRAWINGS THAT APPLY

ROADWAY  
~ *BARRIERS* ~

ENERGY ABSORPTION DEVICES

CRASH CUSHION TYPE VI-BT .....RBE-100-10

CONCRETE MEDIAN BARRIERS

DELINEATORS FOR CONCRETE BARRIERS .....RBM-020-09  
CONCRETE BARRIER WALL TYPE 9T (TEMPORARY) .....RBM-115-10

TRAFFIC  
~ *TEMPORARY* ~  
TRAFFIC CONTROL

LANE CLOSURE TWO-LANE HIGHWAY .....TTC-100-04  
LANE CLOSURE USING TRAFFIC SIGNALS .....TTC-110-03  
LANE CLOSURE MULTI-LANE HIGHWAY CASE I.....TTC-115-03  
LANE CLOSURE MULTI-LANE HIGHWAY CASE II .....TTC-120-03

DEVICES

DOUBLE FINES ZONES SIGNS .....TTD-120-02  
PAVEMENT CONDITION WARNING SIGNS .....TTD-125-02

BRIDGES  
MISCELLANEOUS STANDARDS

BRIDGE RESTORATION AND WATERPROOFING WITH CONCRETE OVERLAYS .....BGX-009-04

JOINTS  
NEOPRENE EXPANSION DAMS AND ARMORED EDGES.....BJE-001-13

## **PART III**

### **EMPLOYMENT, WAGE AND RECORD REQUIREMENTS**

**TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS**

**LABOR AND WAGE REQUIREMENTS  
APPLICABLE TO OTHER THAN FEDERAL-AID SYSTEM PROJECTS**

- I. Application
- II. Nondiscrimination of Employees (KRS 344)

**I. APPLICATION**

1. These contract provisions shall apply to all work performed on the contract by the contractor with his own organization and with the assistance of workmen under his immediate superintendence and to all work performed on the contract by piecework, station work or by subcontract. The contractor's organization shall be construed to include only workmen employed and paid directly by the contractor and equipment owned or rented by him, with or without operators.

2. The contractor shall insert in each of his subcontracts all of the stipulations contained in these Required Provisions and such other stipulations as may be required.

3. A breach of any of the stipulations contained in these Required Provisions may be grounds for termination of the contract.

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

**II. NONDISCRIMINATION OF EMPLOYEES**

**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.

## 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

### **Kentucky Equal Employment Opportunity Act of 1978**

The requirements of the Kentucky Equal Employment Opportunity Act of 1978 (KRS 45.560-45.640) shall apply to this Contract. The apparent low Bidder will be required to submit EEO forms to the Division of Construction Procurement, which will then forward to the Finance and Administration Cabinet for review and approval. No award will become effective until all forms are submitted and EEO/CC has certified compliance. The required EEO forms are as follows:

- EEO-1: Employer Information Report
- Affidavit of Intent to Comply
- Employee Data Sheet
- Subcontractor Report

These forms are available on the Finance and Administration's web page under ***Vendor Information, Standard Attachments and General Terms*** at the following address:  
**<https://www.eProcurement.ky.gov>**.

Bidders currently certified as being in compliance by the Finance and Administration Cabinet may submit a copy of their approval letter in lieu of the referenced EEO forms.

For questions or assistance please contact the Finance and Administration Cabinet by email at **[finance.contractcompliance@ky.gov](mailto:finance.contractcompliance@ky.gov)** or by phone at 502-564-2874.

# EMPLOYEE RIGHTS UNDER THE FAIR LABOR STANDARDS ACT

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

## FEDERAL MINIMUM WAGE

# \$7.25

 PER HOUR

BEGINNING JULY 24, 2009

### OVERTIME PAY

At least  $1\frac{1}{2}$  times your regular rate of pay for all hours worked over 40 in a workweek.

### CHILD LABOR

An employee must be at least **16** years old to work in most non-farm jobs and at least **18** to work in non-farm jobs declared hazardous by the Secretary of Labor.

Youths **14** and **15** years old may work outside school hours in various non-manufacturing, non-mining, non-hazardous jobs under the following conditions:

#### *No more than*

- **3** hours on a school day or **18** hours in a school week;
- **8** hours on a non-school day or **40** hours in a non-school week.

Also, work may not begin before **7 a.m.** or end after **7 p.m.**, except from June 1 through Labor Day, when evening hours are extended to **9 p.m.** Different rules apply in agricultural employment.

### TIP CREDIT

Employers of "tipped employees" must pay a cash wage of at least \$2.13 per hour if they claim a tip credit against their minimum wage obligation. If an employee's tips combined with the employer's cash wage of at least \$2.13 per hour do not equal the minimum hourly wage, the employer must make up the difference. Certain other conditions must also be met.

### ENFORCEMENT

The Department of Labor may recover back wages either administratively or through court action, for the employees that have been underpaid in violation of the law. Violations may result in civil or criminal action.

Employers may be assessed civil money penalties of up to \$1,100 for each willful or repeated violation of the minimum wage or overtime pay provisions of the law and up to \$11,000 for each employee who is the subject of a violation of the Act's child labor provisions. In addition, a civil money penalty of up to \$50,000 may be assessed for each child labor violation that causes the death or serious injury of any minor employee, and such assessments may be doubled, up to \$100,000, when the violations are determined to be willful or repeated. The law also prohibits discriminating against or discharging workers who file a complaint or participate in any proceeding under the Act.

### ADDITIONAL INFORMATION

- Certain occupations and establishments are exempt from the minimum wage and/or overtime pay provisions.
- Special provisions apply to workers in American Samoa and the Commonwealth of the Northern Mariana Islands.
- Some state laws provide greater employee protections; employers must comply with both.
- The law requires employers to display this poster where employees can readily see it.
- Employees under 20 years of age may be paid \$4.25 per hour during their first 90 consecutive calendar days of employment with an employer.
- Certain full-time students, student learners, apprentices, and workers with disabilities may be paid less than the minimum wage under special certificates issued by the Department of Labor.

For additional information:



# 1-866-4-USWAGE

(1-866-487-9243)

TTY: 1-877-889-5627



# WWW.WAGEHOUR.DOL.GOV

U.S. Department of Labor | Wage and Hour Division

## **PART IV**

## **INSURANCE**

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



# **PART V**

## **BID ITEMS**

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00001		DGA BASE	365.00	TON		\$	
0020	00212		CL2 ASPH BASE 1.00D PG64-22	338.00	TON		\$	
0030	00301		CL2 ASPH SURF 0.38D PG64-22	340.00	TON		\$	
0040	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	2.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0050	00078		CRUSHED AGGREGATE SIZE NO 2	100.00	TON		\$	
0060	01314		PLUG PIPE	1.00	EACH		\$	
0070	01811		STANDARD CURB AND GUTTER MOD	374.00	LF		\$	
0080	01890		ISLAND HEADER CURB TYPE 1	191.00	LF		\$	
0090	02200		ROADWAY EXCAVATION	1.00	CUYD		\$	
0100	02562		TEMPORARY SIGNS	100.00	SQFT		\$	
0110	02585		EDGE KEY	48.00	LF		\$	
0120	02603		FABRIC-GEOTEXTILE CLASS 2	500.00	SQYD		\$	
0130	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	1,000.00	SQYD	\$2.00	\$	\$2,000.00
0140	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0150	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0160	02726		STAKING	1.00	LS		\$	
0170	05990		SODDING	50.00	SQYD		\$	
0180	06511		PAVE STRIPING-TEMP PAINT-6 IN	10,000.00	LF		\$	
0190	06515		PAVE STRIPING-PERM PAINT-6 IN	5,194.00	LF		\$	
0200	06547		PAVE STRIPING-THERMO-12 IN Y	192.00	LF		\$	
0210	06574		PAVE MARKING-THERMO CURV ARROW	3.00	EACH		\$	
0220	21289ED		LONGITUDINAL EDGE KEY	875.00	LF		\$	
0230	22664EN		WATER BLASTING EXISTING STRIPE	500.00	LF		\$	
0240	24814EC		PIPELINE INSPECTION	1,205.00	LF		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0250	00521		STORM SEWER PIPE-15 IN	98.00	LF		\$	
0260	00522		STORM SEWER PIPE-18 IN	258.00	LF		\$	
0270	00528		STORM SEWER PIPE-36 IN	294.00	LF		\$	
0280	00980		SLOTTED DRAIN PIPE-12 IN	555.00	LF		\$	
0290	01212		PIPE CULVERT HEADWALL-36 IN	1.00	EACH		\$	
0300	01487		CURB BOX INLET TYPE F	1.00	EACH		\$	
0310	01538		DROP BOX INLET TYPE 7	2.00	EACH		\$	
0320	01581		DROP BOX INLET TYPE 16G	4.00	EACH		\$	
0330	01647		JUNCTION BOX-48 IN	1.00	EACH		\$	
0340	02483		CHANNEL LINING CLASS II	20.00	TON		\$	

Section: 0004 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0350	02569		DEMOBILIZATION	1.00	LS		\$	