



CALL NO. 323

CONTRACT ID. 242268

MASON COUNTY

FED/STATE PROJECT NUMBER FD04 081 0062 014-015

DESCRIPTION US 62/KY 9 INTERSECTION

WORK TYPE GRADE & DRAIN

PRIMARY COMPLETION DATE 8/15/2025

LETTING DATE: July 18,2024

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME July 18,2024. 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">• PROJECT(S), COMPLETION DATE(S), & LIQUIDATED DAMAGES• CONTRACT NOTES• STATE CONTRACT NOTES• SPECIAL NOTE(S) APPLICABLE TO PROJECT• EROSION CONTROL• GENERAL UTILITY NOTES• DETAIL SHEET(S)
PART II	SPECIFICATIONS AND STANDARD DRAWINGS
	<ul style="list-style-type: none">• STANDARD AND SUPPLEMENTAL SPECIFICATIONS
PART III	EMPLOYMENT, WAGE AND RECORD REQUIREMENTS
	<ul style="list-style-type: none">• LABOR AND WAGE REQUIREMENTS• EXECUTIVE BRANCH CODE OF ETHICS• KENTUCKY EQUAL EMPLOYMENT OPPORTUNITY ACT OF 1978 LOCALITY / STATE• PROJECT WAGE RATES / STATE FUNDED
PART IV	INSURANCE
PART V	BID ITEMS

PART I
SCOPE OF WORK

ADMINISTRATIVE DISTRICT - 09

CONTRACT ID - 242268

FD04 081 0062 014-015

COUNTY - MASON

PCN - MP08100622401

FD04 081 0062 014-015

MASON COUNTY US 62/KY 9 INTERSECTION (MP 14.324) BEGIN 0.063 MILES EAST OF KY 9 EXTENDING EAST TO 0.095 WEST OF KY 9 (INCLUDES SECTIONS OF KY 9) (MP 14.387), A DISTANCE OF 0.15 MILES.GRADE & DRAIN

GEOGRAPHIC COORDINATES LATITUDE 38:37:55.51 LONGITUDE 83:47:43.65

ADT 15,004

COMPLETION DATE(S):

COMPLETED BY 08/15/2025

APPLIES TO ENTIRE 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) to prepare a bid packet for submission to the Department. The bidder must submit electronically using Bid Express.

JOINT VENTURE BIDDING

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

UNDERGROUND FACILITY DAMAGE PROTECTION

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

REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY

Pursuant to KRS 176.085(1)(b), an agency, department, office, or political subdivision of the Commonwealth of Kentucky shall not award a state contract to a person that is a foreign entity required by [KRS 14A.9-010](#) to obtain a certificate of authority to transact business in the Commonwealth ("certificate") from the Secretary of State under [KRS 14A.9-030](#) unless the person produces the certificate within fourteen (14) days of the bid or proposal opening. If the foreign entity is not required to obtain a certificate as provided in [KRS 14A.9-010](#), the foreign entity should identify the applicable exception. Foreign entity is defined within [KRS 14A.1-070](#).

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

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

SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT

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

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

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

HARDWOOD REMOVAL RESTRICTIONS

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

INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES

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

ACCESS TO RECORDS

The 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

SPECIAL NOTE FOR STAKING

In addition to the requirements of Section 201, perform the following:

1. Contrary to Section 201.03.01, perform items 1-3 usually performed by the Engineer; and
2. Field survey the existing pavement in order to establish the existing cross slopes, transitions and profile. Irregularities in the existing pavement are to be eliminated with the construction of a smooth line and grade of the new pavement to ensure the best rideability possible.
3. Verify intersection and lane profile and alignment and prepare a Drainage Development Worksheet to provide for positive drainage upon completion of construction; and
4. Prior to incorporating into the work, obtain the Engineers approval of all designs and revisions to be provided by the Contractor; and
5. Produce and furnish to the Engineer "As Built" plans; and
6. Perform all other staking operations required to control and construct the work.

SPECIAL NOTE FOR EROSION CONTROL

I. DESCRIPTION

Perform all erosion and water pollution control work in accordance with the Department's Standard Specifications current edition, these notes, and interim Supplemental Specifications, Special Provisions and Special Notes, and Standard and Sepia Drawings, current editions, and 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, and applicable Special Provisions and Special Notes, and 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 Plan 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 and the supplemental specifications. 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, and the construction phasing, methods and 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

Erosion Control

Page 2 of 4

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 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. Remove sediment from silt traps before they become a maximum of ½ 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 Special Note for Waste and Borrow).

As work progresses, add or remove erosion control measures as required by the BMP applicable to the Contractor's project phasing and 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.

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.

Erosion Control
Page 3 of 4

IV. MEASUREMENT

Erosion Control Blanket. If required by the BMP, the Department will measure Erosion Control Blanket according to Section 212.04.07.

Sodding. If required by the BMP, the Department will measure Sodding according to Section 212.04.08.

Channel Lining. If required by the BMP, the Department will measure Channel Lining according to Sections 703.04.04-703.04.07.

Erosion Control. Contrary to Sections 212.04 and 213.04, other than Erosion Control Blankets, Silt Trap Type "A" and Clean Silt Trap Type "A"; Silt Trap Type "B" and Clean Silt Trap Type "B"; Silt Trap Type "C" and Clean Silt Trap Type "C"; Temporary Silt Fence and Clean Temporary Silt Fence, seeding and protection, Temporary Ditches and clean Temporary Ditches, the Department will measure Erosion Control as one lump sum. The Department will not measure developing, updating, and maintaining a BMP plan for each site; providing a KEPSC qualified inspector; locating, furnishing, installing, inspecting, maintaining, and removing erosion and water pollution control items; Roadway Excavation, Borrow Excavation, Embankment In Place, Topsoil Furnished and Placed, and Spreading Stockpiled Topsoil; Topdressing Fertilizer, Temporary and Permanent Seeding and Protection, Special Seeding Crown Vetch, and Temporary Mulch; Sedimentation Basin and Clean Sedimentation Basin, Plants, Vines, Shrubs, and Trees; Gabion and Dumped Stone Deflectors and Riffle Structures; Boulders; and all other erosion and water pollution control items required by the BMP or the Engineer, but shall be incidental to Erosion Control.

V. Basis of Payment

Erosion Control Blanket. If not listed as a bid item, but required by the BMP, the Department will pay for Erosion Control Blankets as Extra Work according to Sections 104.03 and 109.04.

Sodding. If not listed as a bid item, but required by the BMP, the Department will pay for Sodding as Extra Work according to Sections 104.03 and 109.04.

Channel Lining. If not listed as a bid item, but required by the BMP, the Department will pay for Channel Lining as Extra Work according to Sections 104.03 and 109.04.

Erosion Control
Page 4 of 4

Erosion Control. Contrary to Sections 212.05 and 213.05, other than Erosion Control Blanket, Silt Trap Type “A” and Clean Silt Trap Type “A”; Silt Trap Type “B” and Clean Silt Trap Type “B”; Silt Trap Type “C” and Clean Silt Trap Type “C”; Temporary Silt Fence and Clean Temporary Silt Fence, seeding and protection, Temporary Ditches and clean Temporary Ditches, payment at the Contract lump sum price for Erosion Control, shall be full compensation for all materials, equipment, labor and incidentals necessary to complete the erosion and water pollution control work as specified in these notes, Sections 212 and 213, the Supplemental Specifications, applicable Special Provisions and Special Notes, and Standard and Sepia Drawings, including but not limited to developing, updating, and maintaining a BMP plan for each site; providing a KEPSC qualified inspector; locating, furnishing, installing, inspecting, maintaining, and removing erosion and water pollution control items; Roadway Excavation, Borrow Excavation, Embankment In Place, Topsoil Furnished and Placed, and Spreading Stockpiled Topsoil; Topdressing Fertilizer, Temporary and Permanent Seeding and Protection, Special Seeding Crown Vetch, and Temporary Mulch; Sedimentation Basin and Clean Sedimentation Basin; Plants, Vines, Shrubs, and Trees; Gabion and Dumped Stone Deflectors and Riffle Structures; Boulders; and all other erosion and water pollution control items required by the BMP or the Engineer

UTILITIES AND RAIL CERTIFICATION NOTE

Mason County
No federal number available
FD04 081 1290601U
Mile point: 10.200 TO 10.300
IMPROVE SAFETY AND OPERATIONAL EFFICIENCY OF THE INTERSECTION OF KY 9 (AA) AND US 62
LOCATED IN MAYSVILLE. (2020CCN) (2022CCR)
ITEM NUMBER: 09-80107.00

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.

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

UTILITIES AND RAIL CERTIFICATION NOTE

Mason County
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FD04 081 1290601U
Mile point: 10.200 TO 10.300
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LOCATED IN MAYSVILLE. (2020CCN) (2022CCR)
ITEM NUMBER: 09-80107.00

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

City of Maysville Utilities - Sewer

City of Maysville Utilities - Water

Windstream Communications LLC - Telephone

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

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

Columbia Gas of Kentucky - Natural Gas

Kentucky Utilities - Electric

AT&T - KY - Communication

UTILITIES AND RAIL CERTIFICATION NOTE

<p style="text-align: center;">Mason County No federal number available FD04 081 1290601U Mile point: 10.200 TO 10.300 IMPROVE SAFETY AND OPERATIONAL EFFICIENCY OF THE INTERSECTION OF KY 9 (AA) AND US 62 LOCATED IN MAYSVILLE. (2020CCN) (2022CCR) ITEM NUMBER: 09-80107.00</p>

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

Not Applicable

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

Not Applicable

RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

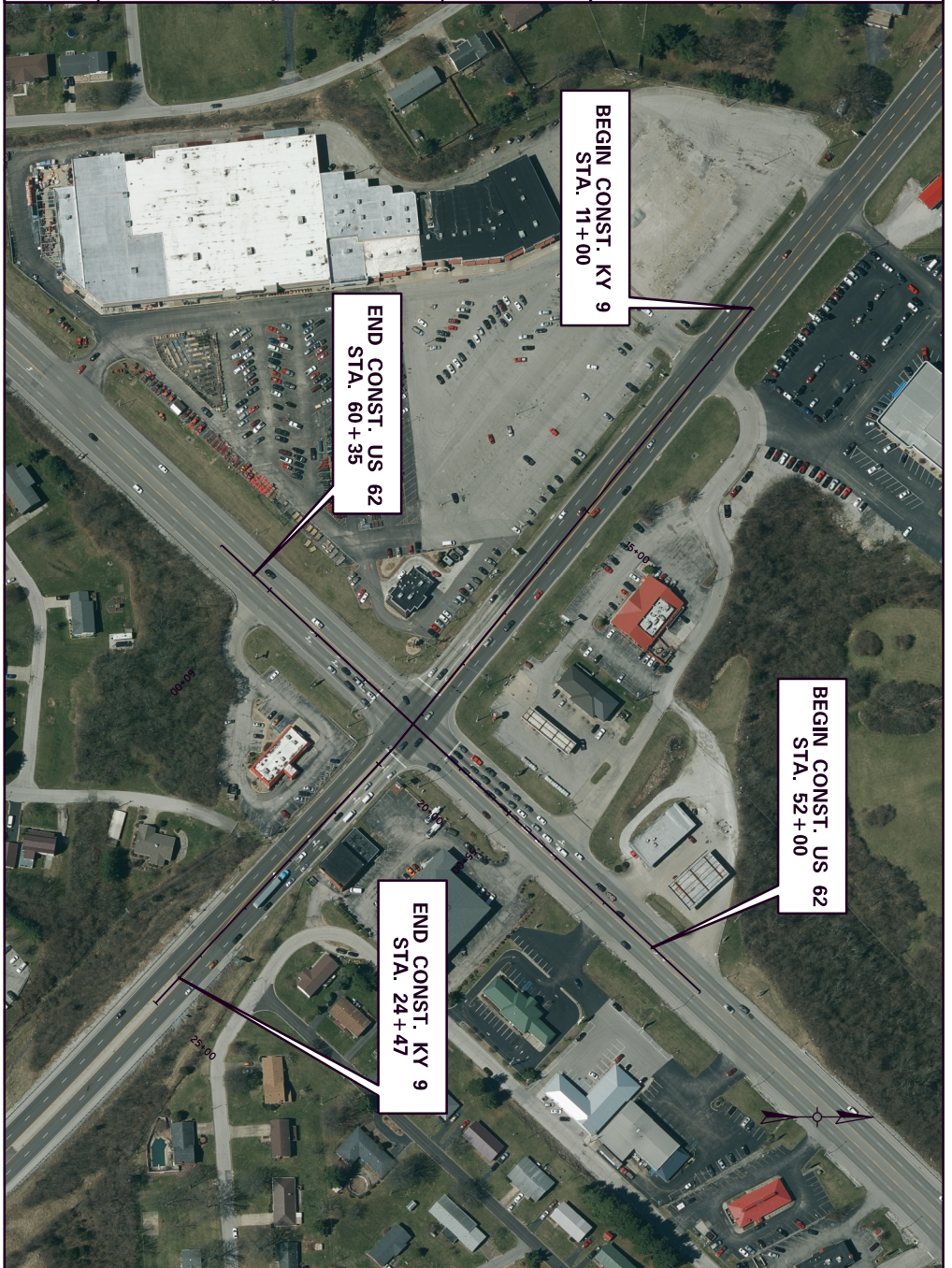
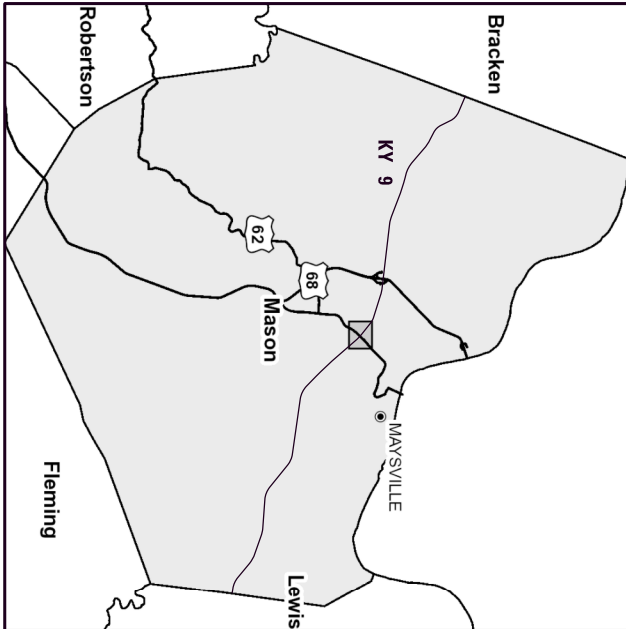
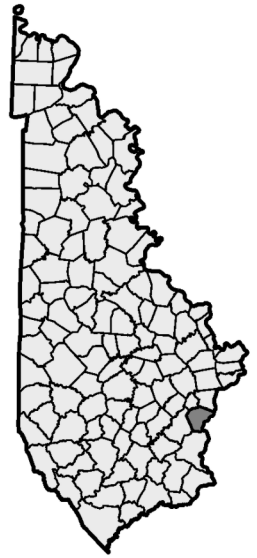
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UTILITIES AND RAIL CERTIFICATION NOTE

Mason County
No federal number available
FD04 081 1290601U
Mile point: 10.200 TO 10.300
IMPROVE SAFETY AND OPERATIONAL EFFICIENCY OF THE INTERSECTION OF KY 9 (AA) AND US 62
LOCATED IN MAYSVILLE. (2020CCN) (2022CCR)
ITEM NUMBER: 09-80107.00

AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
Columbia Gas of Kentucky - Natural Gas	PO Box 14241 Lexington KY 40512	David Lemons	8592880249	DNLemons@nisource.com
AT&T - KY - Communication	894 E. Main St. Ext. Georgetown KY 40324	Frank Ambrose	8597538377	fa2207@att.com
City of Maysville Utilities - Sewer	216 Bridge Street Maysville KY 41056	Darin Spence	6065643531	darinspence@cityofmaysvilleky.gov
City of Maysville Utilities - Water	216 Bridge Street Maysville KY 41056	Darin Spence	6065643531	darinspence@cityofmaysvilleky.gov
Kentucky Utilities - Electric	215 Wall Street Maysville KY 41056	Matthew Raymer	6065847823	matthew.raymer@lge-ku.com
Windstream Communications LLC - Telephone	130 West New Circle Road Lexington KY 40505	Steve Johnson	8593576209	Steve.Johnson@windstream.com



PROJECT LENGTH: KY 9 - 0.255 MI. / US 62 - 0.158 MI.
AADT: KY 9 - 13,830 / US 62 - 14,880

PROJECT NUMBER: _____

ITEM NUMBER: **9-80107.00** LETTING DATE: _____

RECOMMENDED BY: **BLAKE JONES, P.E.** DATE: _____

PLAN APPROVED BY: _____ DATE: _____
Project Manager

FHWA APPROVED BY: _____ DATE: _____
State Highway Engineer

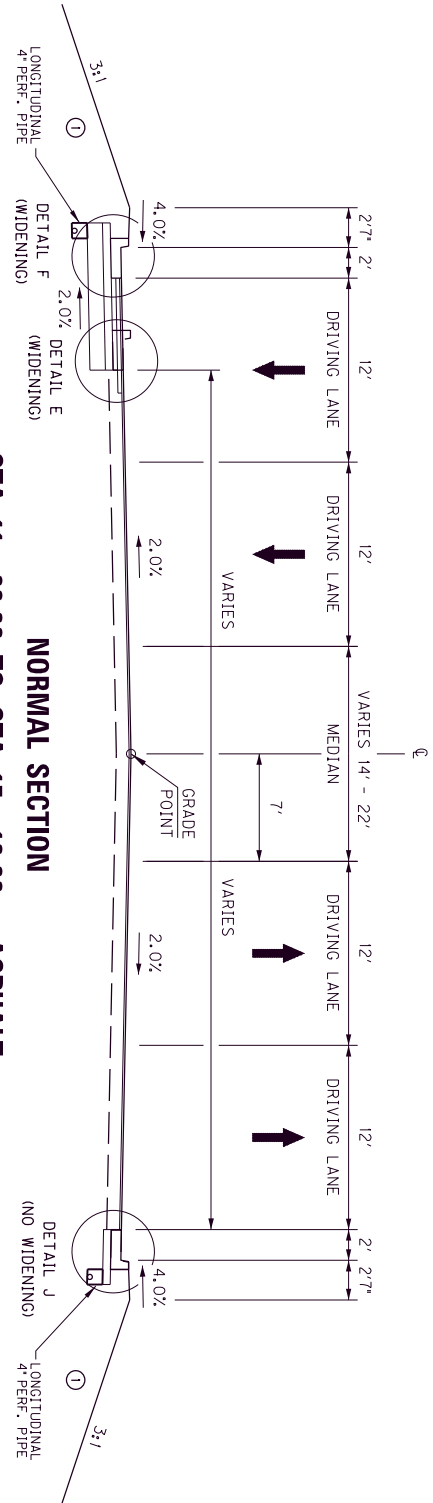


311MB Circle, U.S. 460
Fleming, KY 40021
502-695-5800

① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.

TYPICAL SECTIONS KY 9

County	Item No.	Sheet
MASON	9-80107.00	2



**NORMAL SECTION
STA. 11 + 00.00 TO STA. 15 + 10.00 – ASPHALT
OVERLAY AND WIDEN LEFT – URBAN TEMPLATE**

TRAFFIC LANES - OVERLAY

EXISTING SURFACE ——— [5\"/>

APPROX. 1.5\"/>

TRAFFIC LANES - WIDENING

APPROX. 12\"/>

APPROX. 12.5\"/>

APPROX. 1.5\"/>

RIGHT SHOULDER

8\"/>

LEFT SHOULDER

APPROX. 12\"/>

APPROX. 12.5\"/>

APPROX. 1.5\"/>

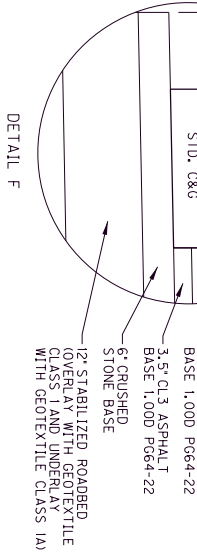
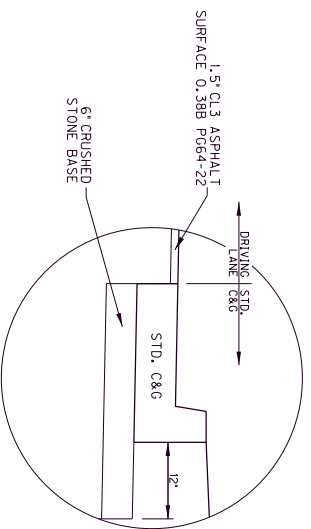
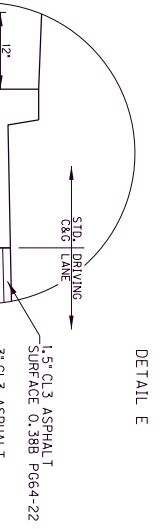
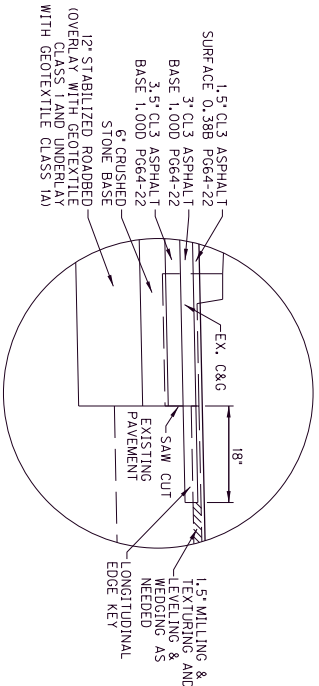
8\"/>

ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2\"/>

ASPHALT SEAL COAT 20 LB/50. YD.

ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:

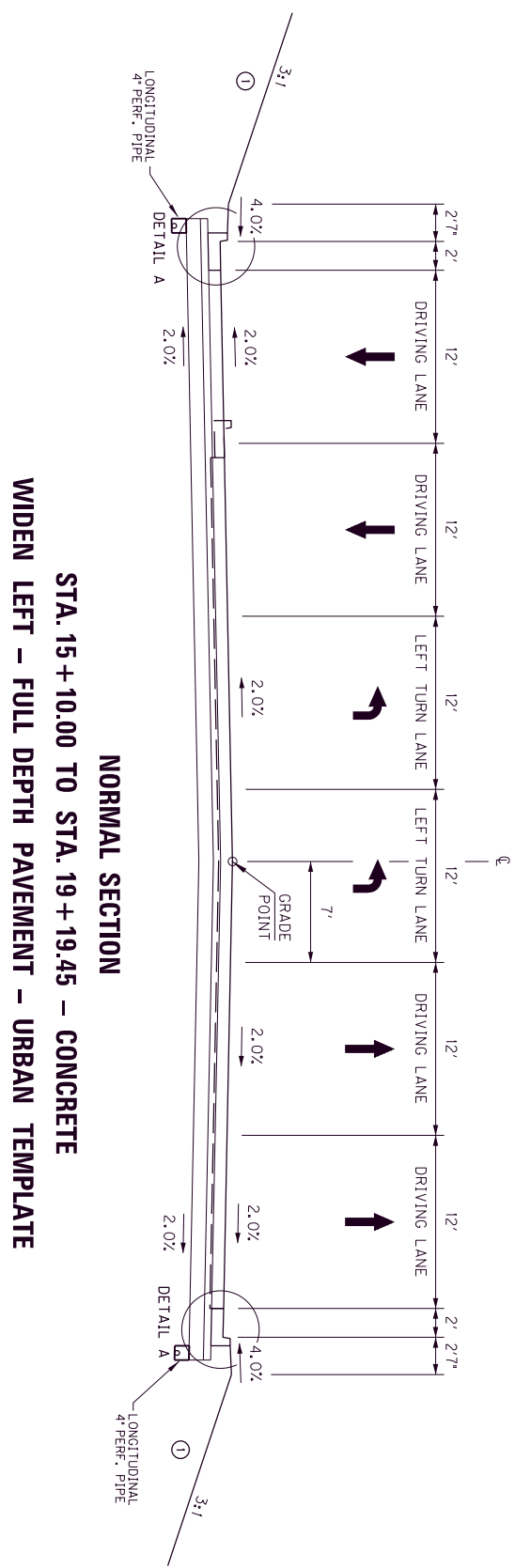
ASPHALT MATERIAL FOR TACK 0.70 LB/5Y



TYPICAL SECTIONS

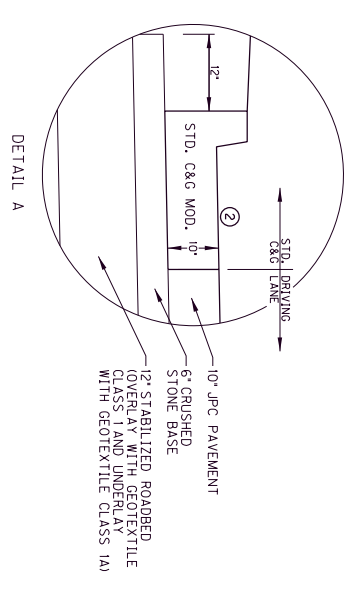
TYPICAL SECTIONS MAINLINE KY 9

County	Item No.	Sheet
MASON	9-80107.00	3



PAVING SCHEDULE FOR MAINLINE KY 9

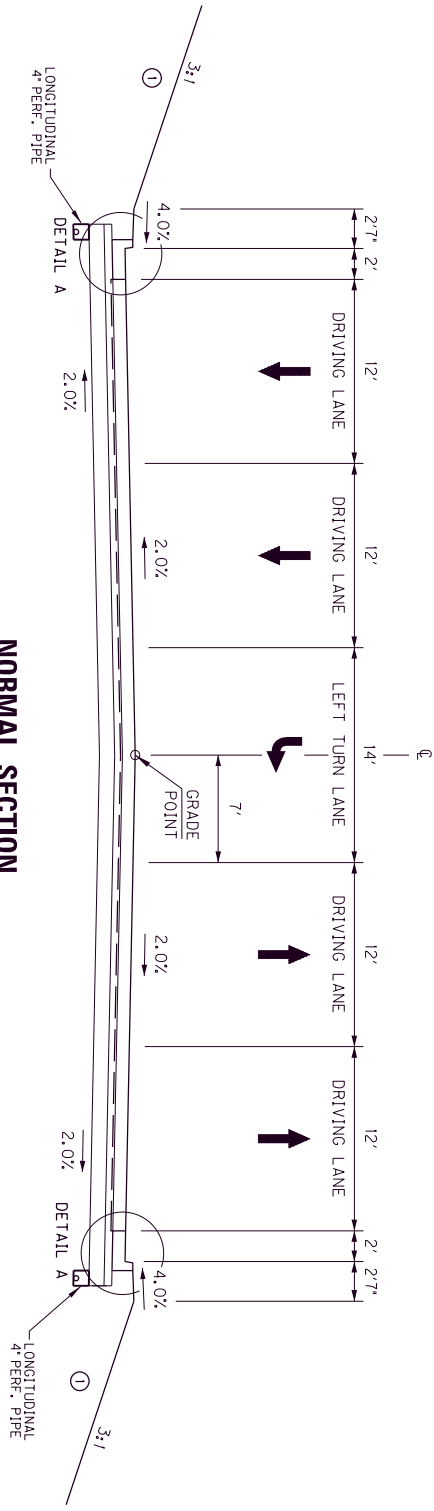
- TRAFFIC LANES**
- 12" SUBGRADE — 12.00" CRUSHED AGGREGATE SIZE NO. 2 OVERLAY WITH GEOTEXTILE CLASS 1 AND UNDERLAY WITH GEOTEXTILE CLASS 1A
 - 6" BASE — 6" CRUSHED STONE BASE
 - 10" PAVEMENT — 10" JPC PAVEMENT
- SHOULDERS**
- 12" SUBGRADE — 12.00" CRUSHED AGGREGATE SIZE NO. 2 OVERLAY WITH GEOTEXTILE CLASS 1 AND UNDERLAY WITH GEOTEXTILE CLASS 1A
 - 6" BASE — 6" CRUSHED STONE BASE
 - 10" STANDARD CURB & GUTTER MODIFIED
- ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
② MODIFIED TO MATCH ADJACENT 10 IN PAVEMENT DEPTH



TYPICAL SECTIONS

TYPICAL SECTIONS MAINLINE KY 9

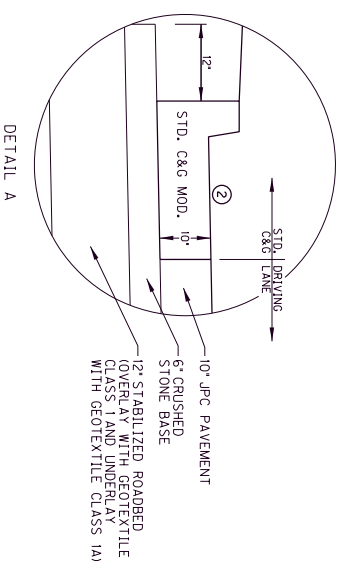
County	Item No.	Sheet
MASON	9-80107.00	4



NORMAL SECTION
LT. STA. 19 + 19.45 TO STA. 23 + 60.00
RT. STA. 19 + 19.45 TO STA. 23 + 04.00
FULL DEPTH PAVEMENT - URBAN TEMPLATE

PAVING SCHEDULE FOR MAINLINE KY 9

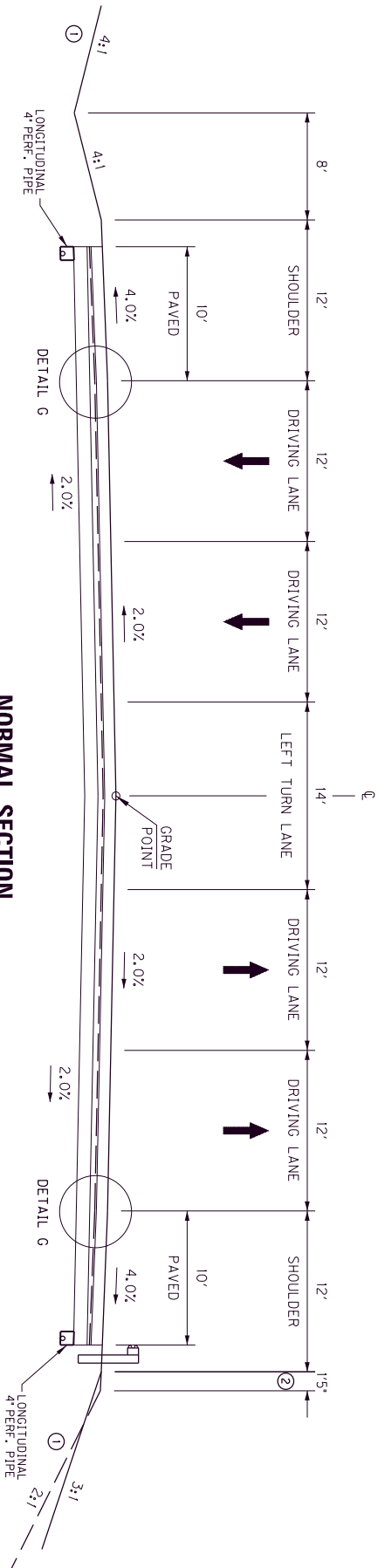
- TRAFFIC LANES**
- 12" SUBGRADE — 12.00" CRUSHED AGGREGATE SIZE NO. 2 OVERLAY WITH GEOTEXTILE CLASS 1 AND UNDERLAY WITH GEOTEXTILE CLASS 1A
 - 6" BASE — 6" CRUSHED STONE BASE
 - 10" PAVEMENT — 10" JPC PAVEMENT
- SHOULDERS**
- 12" SUBGRADE — 12.00" CRUSHED AGGREGATE SIZE NO. 2 OVERLAY WITH GEOTEXTILE CLASS 1 AND UNDERLAY WITH GEOTEXTILE CLASS 1A
 - 6" BASE — 6" CRUSHED STONE BASE
 - 10" STANDARD CURB & GUTTER MODIFIED
- ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 ② MODIFIED TO MATCH ADJACENT 10 IN PAVEMENT DEPTH



TYPICAL SECTIONS

TYPICAL SECTIONS KY 9 & US 62

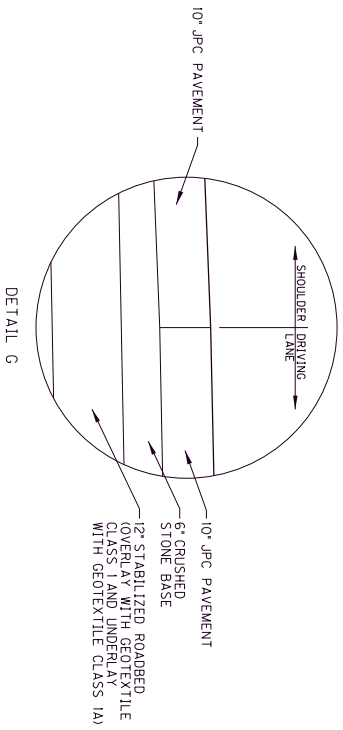
County	Item No.	Sheet
MASON	9-80107.00	5



NORMAL SECTION
 KY 9 LT. STA. 23 + 60.00 TO STA. 24 + 47.00
 KY 9 RT. STA. 23 + 04.00 TO STA. 24 + 47.00
 US 62 STA. 55 + 90.00 TO STA. 57 + 85.00
FULL DEPTH PAVEMENT - RURAL TEMPLATE

PAVING SCHEDULE FOR MAINLINE KY 9

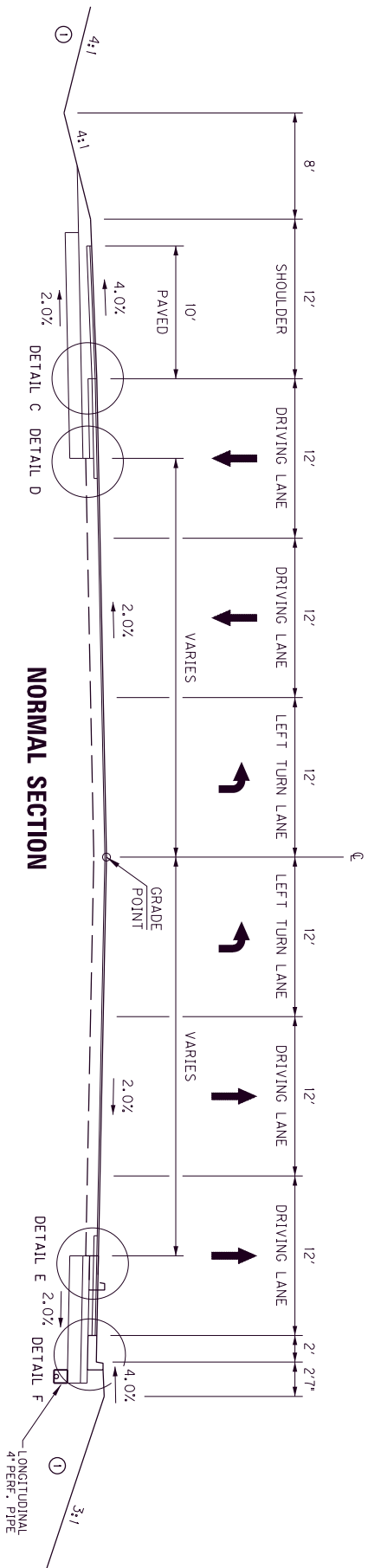
- TRAFFIC LANES**
- 12" SUBGRADE [7] 2.00" CRUSHED AGGREGATE SIZE NO. 2 OVERLAY WITH GEOTEXTILE CLASS 1A AND UNDERLAY WITH GEOTEXTILE CLASS 1A
 - 6" BASE [6] CRUSHED STONE BASE
 - 10" PAVEMENT [10] JPC PAVEMENT
- SHOULDERS**
- 12" SUBGRADE [7] 2.00" CRUSHED AGGREGATE SIZE NO. 2 OVERLAY WITH GEOTEXTILE CLASS 1A AND UNDERLAY WITH GEOTEXTILE CLASS 1A
 - 6" BASE [6] CRUSHED STONE BASE
- ① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.
 ② WIDEN 1'-5" WHERE GUARDRAIL IS REQUIRED



TYPICAL SECTIONS

① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.

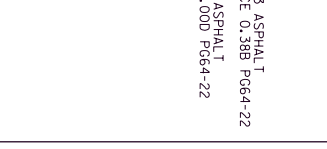
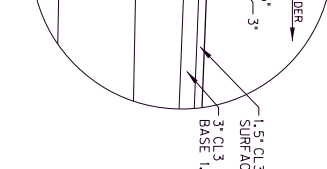
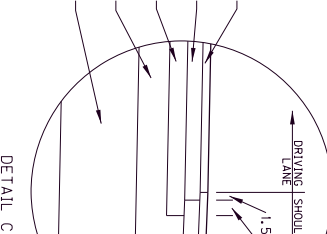
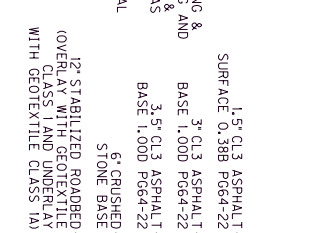
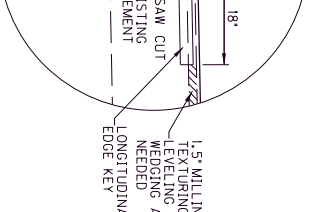
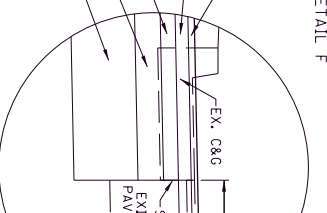
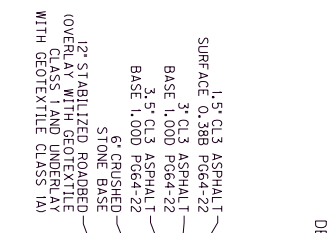
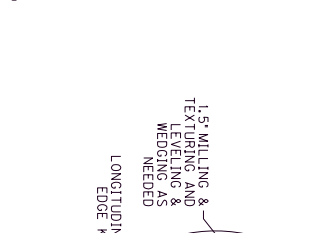
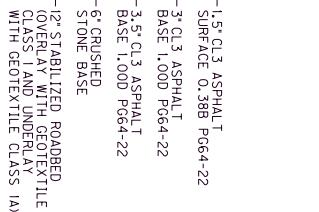
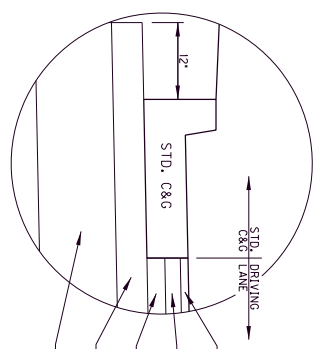
TYPICAL SECTIONS US 62



NORMAL SECTION

**STA. 52 + 00.00 TO STA. 53 + 28.00 – RURAL TEMPLATE
 STA. 53 + 28.00 TO STA. 55 + 90.00 – HYBRID TEMPLATE
 OVERLAY AND WIDEN – HYBRID URBAN & RURAL TEMPLATE**

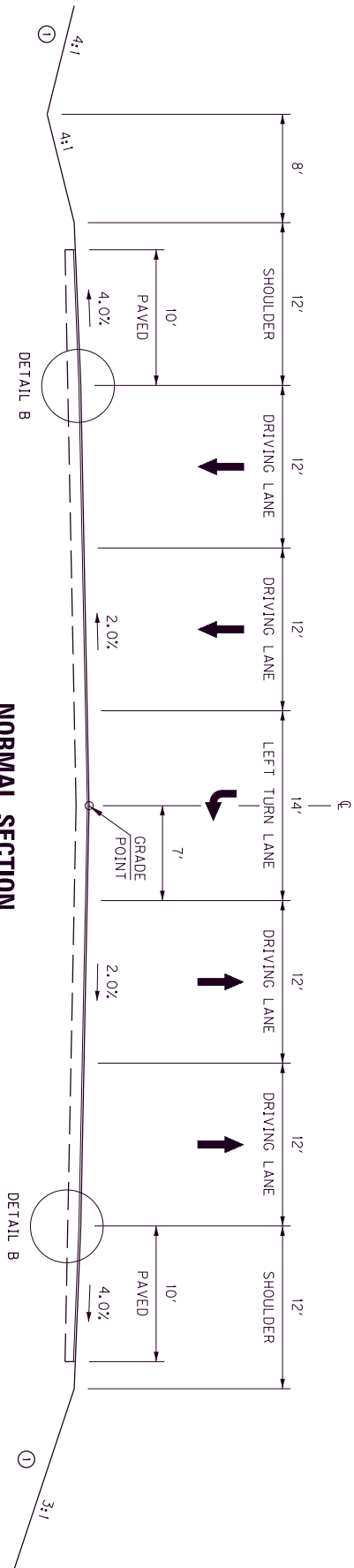
- TRAFFIC LANES - OVERLAY [1.5" ASPHALT MILLING & TEXTURING VARIABLE DEPTH LEVELING & WEDGING AS DIRECTED BY THE ENGINEER]
- EXISTING SURFACE [ASPHALT]
- PREPARATION [AS DIRECTED BY THE ENGINEER]
- APPROX. 1.5" SURFACE [1.5" CL.3 ASPHALT SURFACE 0.388 P664-22]
- TRAFFIC LANES - WIDENING [2.00" CRUSHED AGGREGATE SIZE NO. 2 UNDERLAY WITH GEOTEXTILE CLASS 1A AND 3" CRUSHED STONE BASE]
- APPROX. 12" SUBGRADE [3" CL.3 ASPHALT BASE 1,000 P664-22]
- APPROX. 12.5" BASE [3" CL.3 ASPHALT BASE 1,000 P664-22]
- APPROX. 1.5" SURFACE [1.5" CL.3 ASPHALT SURFACE 0.388 P664-22]
- RIGHT SHOULDER [1.5" CL.3 ASPHALT SURFACE 0.388 P664-22]
- 8" STANDARD CURB & GUTTER
- LEFT SHOULDER [2.00" CRUSHED AGGREGATE SIZE NO. 2 UNDERLAY WITH GEOTEXTILE CLASS 1A AND 3" CRUSHED STONE BASE]
- APPROX. 12" SUBGRADE [3" CL.3 ASPHALT BASE 1,000 P664-22]
- APPROX. 12.5" BASE [3" CL.3 ASPHALT BASE 1,000 P664-22]
- APPROX. 1.5" SURFACE [1.5" CL.3 ASPHALT SURFACE 0.388 P664-22]



TYPICAL SECTIONS

TYPICAL SECTIONS US 62

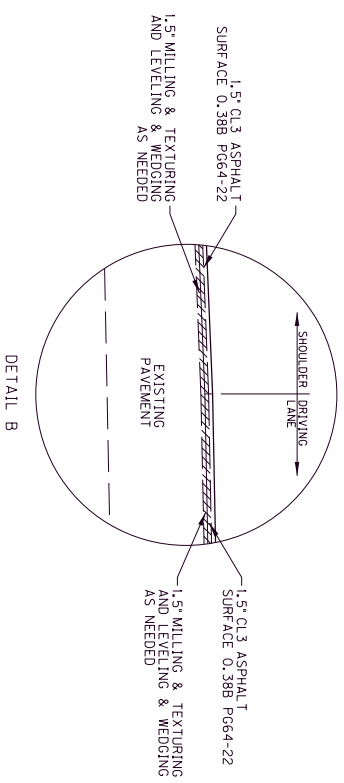
County	Item No.	Sheet
MASON	9-80107.00	7



NORMAL SECTION
STA. 57 + 85.00 TO STA. 60 + 35.00
OVERLAY - RURAL TEMPLATE

PAVING SCHEDULE FOR MAINLINE US 62

- TRAFFIC LANES - OVERLAY**
- EXISTING SURFACE ——— [1.5" ASPHALT MILLING & TEXTURING PREPARATION AS DIRECTED BY THE ENGINEER]
 - APPROX. 1.5" SURFACE ——— [1.5" CL3 ASPHALT SURFACE 0.388 PG64-22]
- SHOULDERS**
- EXISTING SURFACE ——— [1.5" ASPHALT MILLING & TEXTURING PREPARATION AS DIRECTED BY THE ENGINEER]
 - APPROX. 1.5" SURFACE ——— [1.5" CL3 ASPHALT SURFACE 0.388 PG64-22]
- ASPHALT SEAL REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2.0 FEET DOWN THE DITCH OR FILL SLOPE. TWO APPLICATIONS OF THE FOLLOWING ARE REQUIRED:
- ASPHALT SEAL COAT ——— 2.40 LB/SQ. YD.
 - ASPHALT SEAL AGGREGATE ——— 20 LB/SQ. YD.
- ASPHALT MATERIAL FOR TACK REQUIRED BETWEEN ALL ASPHALT LAYERS AT AN APPLICATION RATE OF:
- ASPHALT MATERIAL FOR TACK ——— 0.70 LB/SY

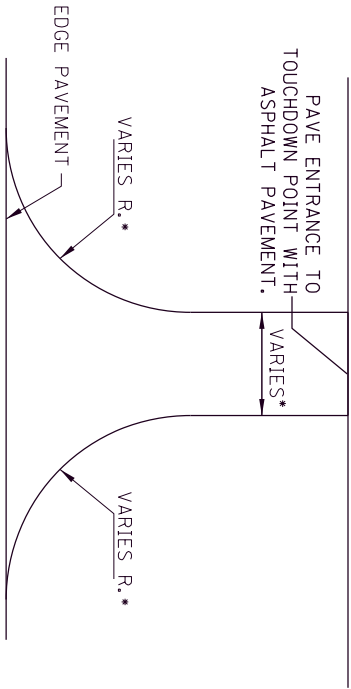


① SEE CROSS SECTIONS FOR SLOPES OUTSIDE THE LIMITS OF THE SHOULDER.

TYPICAL SECTIONS

TYPICAL SECTIONS ENTRANCES

County	Item No.	Sheet
MASON	9-80107.00	8



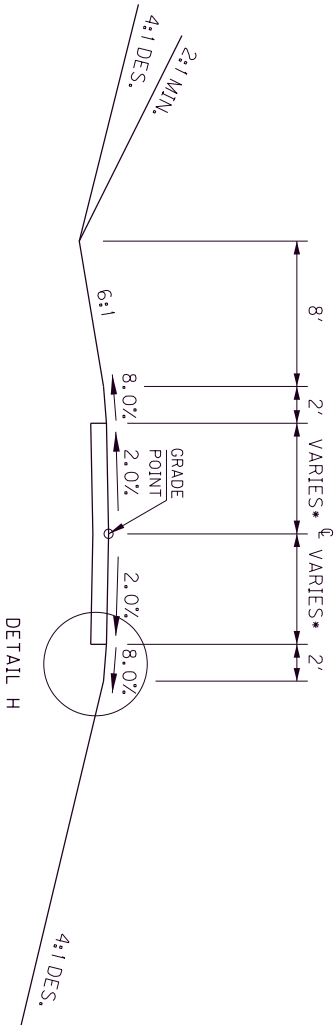
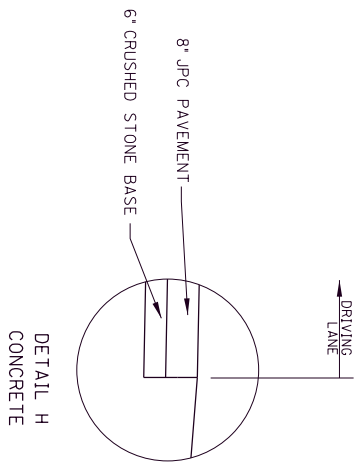
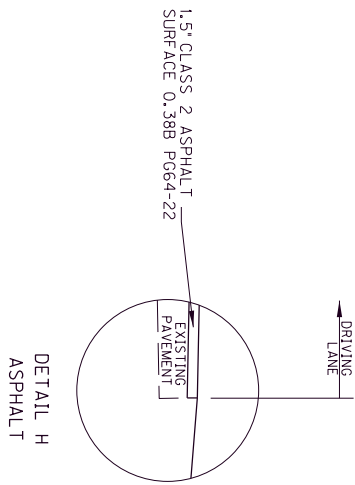
TYPICAL ENTRANCE SECTION

• SEE PLANS FOR ENTRANCE RADIUS AND WIDTH

ENTRANCES



NOTE: SEE X SECT. FOR TIE DOWN LENGTH.
SEE PLAN SHEET FOR PAVEMENT TYPE.



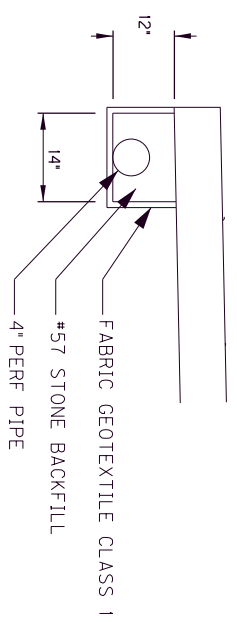
COMMERCIAL ENTRANCE

• SEE PLANS FOR ENTRANCE WIDTHS

TYPICAL SECTIONS

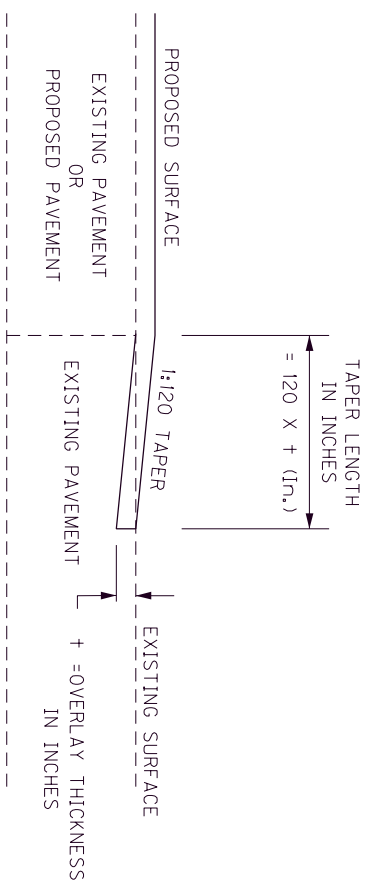
TYPICAL SECTIONS PERF. PIPE DETAIL AND MOT TAPERS

County	Item No.	Sheet
MASON	9-80107.00	9



PERFORATED PIPE DETAIL

GEOTEXTILE FABRIC AND STONE BACKFILL ARE INCIDENTAL TO PERF. PIPE



TAPERING OF MOT OVERLAYS

TYPICAL SECTIONS

GENERAL SUMMARY

County	Item No.	Page
MASON	9-80107.00	10

ITEM	DESCRIPTION	UNIT	KY 9	KY 9 SHOULDERS	US 62	US 62 SHOULDERS	ENTRANCES	PROJECT TOTALS
00003	CRUSHED STONE BASE (4)	TON	2,583	88	736	487	46	3,940
00020	TRAFFIC BOUND BASE (4)	TON						72
00078	CRUSHED AGGREGATE SIZE NO 2 (4)	TON	5,075	177	1,473	71		6,796
00100	ASPHALT SEAL AGGREGATE (4)	TON		4		8		12
00103	ASPHALT SEAL COAT (4)	TON		1		1		2
00190	LEVELING & WEDGING PG64-22 (4)	TON	188		59			247
00214	CL3 ASPH BASE 1.00D PG64-22 (4)	TON	74		145	91		310
00388	CL3 ASPH SURF 0.38B PG64-22 (4)	TON	252		388	91	34	765
00440	ENTRANCE PIPE-15 IN (5)	LF					50	50
00522	STORM SEWER PIPE-18 IN (5)	LF	27		167			194
01000	PERFORATED PIPE-4 IN (6)	LF	1,775					1,775
01459	CURB BOX INLET TYPE A MOD (5)	EACH	3					3
01462	CURB BOX INLET TYPE A T-2 (5)	EACH	12					12
01545	DROP BOX INLET TYPE 11 MOD (5)	EACH			1			1
01740	CORED HOLE DRAINAGE BOX CON-4 IN (6)	EACH	18		1			19
01810	STANDARD CURB AND GUTTER	LF	684		232			916
01811	STANDARD CURB AND GUTTER MOD	LF	1,378					1,378
02014	BARRICADE-TYPE III	EACH	4		4			8
02069	JPC PAVEMENT-10 IN (4)	SQYD	6,455		1,719			8,174
02083	JPC PAVEMENT-10 IN SHLD (4)	SQYD		256		103		359
02084	JPC PAVEMENT-8 IN (4)	SQYD					134	134
02159	TEMP DITCH	LF	1,050					1,050
02160	CLEAN TEMP DITCH	LF	525					525
02200	ROADWAY EXCAVATION (1)	CUYD						8,748
02242	WATER (2)	MGAL	100					100
02267	REMOVE & RESET FENCE	LF	80					80
02383	REMOVE & RESET GUARDRAIL	LF	287.5					287.5
02562	TEMPORARY SIGNS	SQFT	400		400			800
02568	MOBILIZATION	LS						1
02569	DEMOBILIZATION	LS						1
02585	EDGE KEY	LF	124		164			288
02602	FABRIC-GEOTEXTILE CLASS 1 (4)	SY	7,355	256	2,135	656		10,402
02604	FABRIC GEOTEXTILE CLASS 1A (4)	SY	7,704	282	2,198	745		10,929
02607	FABRIC GEOTEXTILE CLASS 2 FOR PIPE (3)	SQYD	42		260			302
02650	MAINTAIN & CONTROL TRAFFIC	LS						1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	2		2			4
02676	MOBILIZATION FOR MILL & TEXT	LS						1
02677	ASPHALT PAVE MILLING & TEXTURING (4)	TON	223		344			567
02701	TEMP SILT FENCE	LF	1,050					1,050
02703	SILT TRAP TYPE A	EACH	2					2
02704	SILT TRAP TYPE B	EACH	2					2
02705	SILT TRAP TYPE C	EACH	2					2
02706	CLEAN SILT TRAP TYPE A	EACH	2					2
02707	CLEAN SILT TRAP TYPE B	EACH	2					2
02708	CLEAN SILT TRAP TYPE C	EACH	2					2
02726	STAKING	LS						1
04845	CABLE-NO. 14/7C (7)	LF	1,600					1,600
04950	REMOVE SIGNAL EQUIPMENT (7)	EACH	1					1
04953	TEMP RELOCATION OF SIGNAL HEAD (7) (8)	EACH	8		12			20
05950	EROSION CONTROL BLANKET	SQYD			266			266
05952	TEMP MULCH	SQYD	3,227					3,227

GENERAL SUMMARY

County	Item No.	Sheet
MASON	9-80107.00	11

ITEM	DESCRIPTION	UNIT	KY 9	KY 9 SHOULDERS	US 62	US 62 SHOULDERS	ENTRANCES	PROJECT TOTALS
05953	TEMP SEEDING AND PROTECTION	SQYD	2,420					2,420
05963	INITIAL FERTILIZER	TON	0.3					0.3
05964	MAINTENANCE FERTILIZER	TON	0.2					0.2
05985	SEEDING AND PROTECTION	SQYD	4,840					4,840
05992	AGRICULTURAL LIMESTONE	TON	3					3
06511	PAVE STRIPING-TEMP PAINT-6 IN	LF	18,000		19,750			37,750
06542	PAVE STRIPING-THERMO-6 IN W	LF	7,903		5,459			13,362
06543	PAVE STRIPING-THERMO-6 IN Y	LF	10,066		7,100			17,166
06568	PAVE MARKING-THERMO STOP BAR-24IN	LF	84		84			168
06573	PAVE MARKING-THERMO STR ARROW	EACH	10		6			16
06574	PAVE MARKING-THERMO CURV ARROW	EACH	18		15			33
06575	PAVE MARKING-THERMO COMB ARROW	EACH	10		6			16
10020NS	FUEL ADJUSTMENT	DOLL						4,963
20071EC	JOINT ADHESIVE (4)	LF	2,460		3,590			6,050
20099ES842	PAVE MARK TEMP PAINT STOP BAR	LF	66		77			143
20100ES842	PAVE MARK TEMP PAINT LINE ARROW	EACH	4		4			8
20188NS835	INSTALL SIGNAL - 3 SECTION LED (7)	EACH	14					14
20430ED	SAW CUT	LF	410		780			1,190
23952EC	DRAINAGE JUNCTION BOX TY B (5)	EACH			2			2
24277EC	FLUSH SEDIMENT	LS						1
24489EC	INLAID PAVEMENT MARKER	EACH	198		144			342
24814EC	PIPELINE INSPECTION (5)	LF	27		167			194
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING (4)	TON	1		2	1		4
26119EC	INSTALL RADAR PRESENCE DETECTOR TYPE A (7)	EACH	4					4
22664EN	WATER BLASTING EXISTING STRIPE	LF	35,700		32,000			67,700
24880EC	REMOVE PAVEMENT MARKER	EACH	191		137			328

① EXCAVATION INCLUDES:

EARTHWORK QUANTITIES

<u>EXCAVATION</u>	<u>CU YD</u>
COMMON -	8,623
DT. LT. -	286
	8,909
<u>EMBANKMENT</u>	<u>CU YD</u>
	161
<u>BORROW</u>	<u>8,748</u>

ESTIMATE FOR EARTHWORK CALCULATIONS FOR DESIGN ONLY. THE CONTRACTOR IS ADVISED THAT THE EARTHWORK CALCULATIONS SHOWN ARE FOR INFORMATION PURPOSES ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

THERE WILL BE NO DIRECT PAYMENT FOR CLEARING AND GRUBBING. CLEARING AND GRUBBING IS INCIDENTAL TO ROADWAY EXCAVATION.

- ② FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
- ③ FOR WRAPPING PIPE TRENCH BACKFILL
- ④ CARRIED OVER FROM PAVING SUMMARY
- ⑤ CARRIED OVER FROM PIPE DRAINAGE SUMMARY
- ⑥ CARRIED OVER FROM PERF. PIPE SUMMARY
- ⑦ CARRIED OVER FROM TRAFFIC SIGNAL SUMMARY
- ⑧ FOR MAINTAIN AND CONTROL TRAFFIC

County	Item No.	Sheet
MASON	9-80107.00	12

PAVING AREAS

ITEM	NOTE	KY 9	KY 9 Shoulders	KY 62	KY 62 Shoulders	Entrances	MOT	S Q U A R E Y A R D S				TOTAL PROJECT
1 1/2" CL3 ASPH SURF 0.38B PG64-22		3,053		4,706		415						8,174
1 1/2" CL3 ASPH SURF 0.38B PG64-22					1,109							1,109
JPC PAVEMENT-10 IN		6,455		1,719								8,174
JPC PAVEMENT-8 IN						134						134
3" CL3 ASPH BASE 1.00D PG64-22		261		464								725
3" CL3 ASPH BASE 1.00D PG64-22					553							553
3 1/2" CL3 ASPH BASE 1.00D PG64-22		160		353								513
JPC PAVEMENT-10 IN SHLD			256		103							359
6" CRUSHED STONE BASE		428		416								844
9 1/2" CRUSHED STONE BASE					553							553
6" CRUSHED STONE BASE UNDER CONCRETE		7,059	256	1,719	103	134						9,271
FULL DEPTH CRUSHED STONE BASE (CUYD) CSB WEDGE					72							72
ASPHALT MATERIAL FOR TACK NON-TRACKING		3,053		4,706	553							8,312
ASPHALT SEAL COAT			178		396							573
ASPHALT SEAL AGGREGATE			178		396							573
TRAFFIC BOUND BASE							1,260					1,260
12" CRUSHED AGGREGATE SIZE NO 2		7,355	256	2,135	103							9,849
LEVELING & WEDGING PG64-22 (CUYD from X-SEC)		95		30			20					145
1 1/2" ASPHALT PAVE MILLING & TEXTURING		2,700		4,170								6,870

PAVING SUMMARY

ITEM CODE	ITEM	NOTE	UNIT	KY 9	KY 9 Shoulders	KY 62	KY 62 Shoulders	Entrances	MOT	TOTAL PROJECT
00388	CL3 ASPH SURF 0.38B PG64-22		TON	252		388	91	34		765
02069	JPC PAVEMENT-10 IN		SQYD	6,455		1,719				8,174
02084	JPC PAVEMENT-8 IN		SQYD					134		134
00214	CL3 ASPH BASE 1.00D PG64-22		TON	74		145	91			310
02083	JPC PAVEMENT-10 IN SHLD		SQYD		256		103			359
00003	CRUSHED STONE BASE	①	TON	2,583	88	736	487	46		3,940
24970EC	ASPHALT MATERIAL FOR TACK NON-TRACKING	④	TON	1		2	1			4
00103	ASPHALT SEAL COAT	②	TON		1		1			2
00100	ASPHALT SEAL AGGREGATE	③	TON		4		8			12
00020	TRAFFIC BOUND BASE		TON					72		72
00078	CRUSHED AGGREGATE SIZE NO 2		TON	5,075	177	1,473	71			6,796
20071EC	JOINT ADHESIVE		LF	2,460		3,590				6,050
00190	LEVELING & WEDGING PG64-22		TON	188		59			40	287
02677	ASPHALT PAVE MILLING & TEXTURING		TON	223		344				567
02602	FABRIC GEOTEXTILE CLASS 1		SQYD	7355	256	2135	656			10,402
02604	FABRIC GEOTEXTILE CLASS 1A		SQYD	7704	282	2198	745			10,929

NOTES

ALL ASPHALT MIXTURES SHALL BE ESTIMATED AT 110 LBS. PER SQ. YD. PER INCH OF DEPTH UNLESS OTHERWISE NOTED.

- ① ESTIMATED AT 115 LBS. PER SQ. YD. PER INCH OF DEPTH
- ② 2 APPLICATIONS ESTIMATED AT 20 LBS/S.Y.
- ③ 2 APPLICATIONS ESTIMATED AT 2.4 LBS/S.Y.
- ④ ESTIMATED AT 0.70 LBS/S.Y.
- ⑤ INTERSECTION QUANTITIES CARRIED ON US 62
- ⑥ ALL QUANTITIES CARRIED ON GENERAL SUMMARY

PAVING SUMMARY

County	Item No.	Page
MASON	9-80107.00	13 of 143

PIPE DRAINAGE SUMMARY

SHEET NO.	STATION	SKEW	COVER HEIGHT	DESIGN pH LEVEL	S.S. PIPE		ENTR. PIPE		MISCELLANEOUS					REMARKS	
					18"		15"		CBI TYPE A MODIFIED	CBI TYPE A TOP PHASE	DBI TYPE 11 MODIFIED	JUNCTION BOX TYPE B	GEOTEXTILE FABRIC CL II FOR PIPE		PIPELINE INSPECTION
ITEM CODE:					00522		00440		01459	01462	01545	23952EC	02607	24814EC	
UNIT TO BID		FEET			FEET		FEET		EACH			S.Y.	L.F.		
KY 9															
S.S. SYSTEM															
	7+09.00		2.80	M	11				1	1			17	11	
	5+33.00		3.08	M	10				1	1			16	10	
	3+61.50		3.08	M	6				1	1			9	6	
	RT. 10+44									1					
	LT. 10+94									1					
	RT. 10+94									1					
	RT. 11+42.50									1					
	LT. 11+94									1					
	RT. 11+94									1					
	LT. 12+93.50									1					
	RT. 12+93.50									1					
	RT. 13+52									1					
US 62															
S.S. SYSTEM															
	4+74.22 TO 6+37		2.61	M	167						1	2	260	167	
ENTRANCES															
	LT. 2+83						50								
TOTAL PROJECT:															
					194		50		3	12	1	2	302	194	

NOTES

① QUANTITY CARRIED ON GENERAL SUMMARY

GENERAL NOTES

County	Item No.	Sheet
MASON	9-80107.00	15

160. N.G.S., (U.S.G.S.) BENCH MARKS DO NOT DISTURB N.G.S., (U.S.G.S.) BENCH MARKS IN ANY MANNER UNLESS DIRECTED BY THE ENGINEER.

165. BEFORE YOU DIG
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 CALLS SHOULD BE PLACED A MINIMUM OF TWO WEEKS BEFORE THE START OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE CALLS. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BU-D) 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.

200. CLEARING AND GRUBBING
CONTRARY TO SECTION 202 OF THE STANDARD SPECIFICATIONS, NO DIRECT PAYMENT WILL BE ALLOWED FOR CLEARING AND GRUBBING ON THIS PROJECT.

429. WINTER CLOSURE/DOWN
ANY ASPHALT CONCRETE BASE AND/OR SURFACE COURSE USED AS A RIDING SURFACE EXPOSED TO TRAFFIC DURING WINTER CLOSURE PERIODS SHALL CONTAIN NATURAL, CONGLOMERATE, CRUSHED SLAG, CRUSHED GRANITE OR CRUSHED SANDSTONE SAND IN THE PROPORTION OF NO LESS THAN 25% OF THE TOTAL COMBINED COARSE AND FIN AGGREGATE.

445. EDGE KEY
THIS WORK INCLUDES CUTTING OUT THE EXISTING ASPHALT SURFACE TO A MINIMUM DEPTH AND WIDTH AS DETAILED ELSEWHERE IN THE PLANS, SO THAT THE NEW SURFACE MAY BE FINISHED TO THE EXISTING SURFACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE EXISTING SURFACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COST OF THE REMOVED ASPHALT MATERIAL.

650. STANDARD DRAWINGS
STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE STANDARD SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE BOOK AND PRINT DEPARTMENT OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, K.Y., AT (502) 564-3670.

PIPE AND FENCE REMOVAL
REMOVAL OF EXISTING PIPES (SHOWN OR NOT) WITHIN THE DISTURB/CONSTRUCTION LIMITS SHALL BE CONSIDERED INCIDENTAL TO ROADWAY EXCAVATION. PIPE DESIGNATED FOR REMOVAL OUTSIDE THE DISTURB/CONSTRUCTION LIMITS WILL BE PAID PER LINEAR FOOT. REMOVAL OF EXISTING HEADWALLS FOR ANY PIPE DESIGNATED FOR REMOVAL WILL BE INCIDENTAL TO ROADWAY EXCAVATION AND / OR PIPE REMOVAL ITEMS. REMOVAL OF EXISTING FENCE WITHIN PROPOSED RIGHT OF WAY (SHOWN OR NOT) WILL BE INCIDENTAL TO ROADWAY EXCAVATION.

TYPICAL SECTION
DIMENSIONS SHOWN ON THE TYPICAL SECTIONS FOR PAVEMENT WIDTH AND THICKNESS ARE NOMINAL OR TYPICAL DIMENSIONS. THE ACTUAL DIMENSIONS TO BE CONSTRUCTED MAY BE VARIED TO FIT EXISTING CONDITIONS AS DIRECTED OR APPROVED BY THE ENGINEER.

SAW CUT
VARIABLE DEPTH SAW CUTS SHALL BE CONSTRUCTED AT THE LOCATIONS INDICATED IN THE TYPICAL SECTIONS. THE CONTRACT UNIT BID ITEM LINEAR FOOT FOR SAW CUT INCLUDES ALL NECESSARY MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO PERFORM THE WORK.

GEOTECH
TEMPORARY SHORING, IF REQUIRED FOR PHASED CONSTRUCTION OF ANY DRAINAGE STRUCTURE, SHALL BE CONSIDERED INCIDENTAL TO MAINTAIN AND CONTROL TRAFFIC.

DRAINAGE STRUCTURES
ALL EXISTING DRAINAGE STRUCTURES DESIGNATED TO REMAIN IN PLACE SHALL BE INSPECTED FOR BLOCKAGE AND STRUCTURAL INTEGRITY. THESE STRUCTURES SHALL BE CLEANED AND REPAIRED OR REPLACED AS DIRECTED BY THE ENGINEER. INSPECTION WILL BE BEHIND UNDER THE LINEAR FEET OF PIPE REMOVAL. ALL REPAIRS SHALL BE PAID UNDER THE LUMP SUM ITEM "FLUSH SEDIMENT". IF THE ENGINEER DETERMINES THAT ANY REQUIRED REPAIRS ARE NOT INCLUDED WITH CURRENT CONTRACT ITEMS, THEN THIS WORK MAY BE ADDED THROUGH CONTRACT MODIFICATION.
ALL DRAINAGE STRUCTURES THAT ARE TO BE EXTENDED MUST BE CONSTRUCTED IN-RIND AND ON THE SAME SLOPE UNLESS OTHERWISE SPECIFIED.

EXEED COMPLETION DATE
UPON NOTICE TO PROCEED, THE CONTRACTOR HAS THE OPTION OF SELECTING THE BEGIN WORK DATE FOR THIS CONTRACT. ONCE SELECTED, NOTIFY THE DEPARTMENT IN WRITING OF THE DATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE BEGINNING WORK DATE. THE LATEST EXEED COMPLETION DATE FOR THIS CONTRACT WILL BE AUGUST 15, 2025.

CALENDAR DAYS
THE CONTRACTOR IS ALLOTTED 100 CALENDAR DAYS ONCE THE CONTRACT HAS BEGUN TO COMPLETE THE CONTRACT. CONTRARY TO SECTION 108.07.02, THE ENGINEER WILL BEGIN CHARGING CALENDAR DAYS FOR THE CONTRACT ON THE DAY THE CONTRACTOR BEGINS WORK ON SETS UP TRAFFIC CONTROL.

LIQUIDATED DAMAGES
LIQUIDATED DAMAGES WILL BE ASSESSED THE CONTRACTOR IN ACCORDANCE WITH THE TRANSPORTATION CABINET, DEPARTMENT OF HIGHWAYS'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 108.09, WHEN EITHER THE ALLOTTED NUMBER OF CALENDAR DAYS OR THE AUGUST 15, 2025 DATE IS EXCEEDED.

CONTRARY TO SECTION 108.09, LIQUIDATED DAMAGES WILL BE ASSESSED THE CONTRACTOR DURING THE MONTHS OF DECEMBER, JANUARY, FEBRUARY AND MARCH IF THE CONTRACT TIME HAS EXPIRED. CONTRACT TIME WILL BE CHARGED DURING THESE MONTHS. LIQUIDATED DAMAGES WILL BE ASSESSED THE CONTRACTOR AT A RATE OF \$5000 PER DAY. ALL LIQUIDATED DAMAGES WILL BE APPLIED ACCUMULATIVELY.

ALL CONSTRUCTION MUST BE COMPLETED IN ACCORDANCE WITH THE WEATHER LIMITATIONS SPECIFIED IN THE STANDARD SPECIFICATIONS AND/OR CONTRACT DOCUMENTS. AS SPECIFIED IN SECTION 108.09.02, THE CONTRACTOR SHALL BE GRANTED ONE (1) CALENDAR DAY FOR EACH DAY OF WEATHER LIMITATIONS THAT OCCUR DUE TO STARTING WORK ON THE CONTRACT LATE IN THE CONSTRUCTION SEASON.

GENERAL NOTES

KY9 CONST. STD. CURB & GUTTER MOD * RT.	STATION	LENGTH (LF)
	15+00.00 - 18+90.75	392
	19+67.49 - 20+20.00	62.0

KY9 CONST. STD. CURB & GUTTER LT.	STATION	LENGTH (LF)
	11+00.00 - 15+00.00	349.0

NOTE: EXCLUDES CURB BOX INLETS AND ENTRANCES
* SEE TYPICAL SECTIONS FOR MODIFIED DETAIL

US 62
PI 57+00.16
(X) = 4123647.4746
(Y) = 5479493.9535
D = 0° 08' 36.95" RT

STA. 19+19.47 KY 9 =
STA. 56+99.85 US 62

BEGIN CONCRETE CONSTRUCTION STA. 55+90

KY 9 CONST. STD. CURB & GUTTER MOD * RT.			
STATION	TYPE	GUTTER	I.E./T.G. RIM
15+00.00 - 18+71.87		334.0	
19+65.51 - 20+20.00		67	

KY 9 CONST. STD. CURB & GUTTER RT.	
STATION	LENGTH (LF)
11+00.00 - 15+00.00	335.0

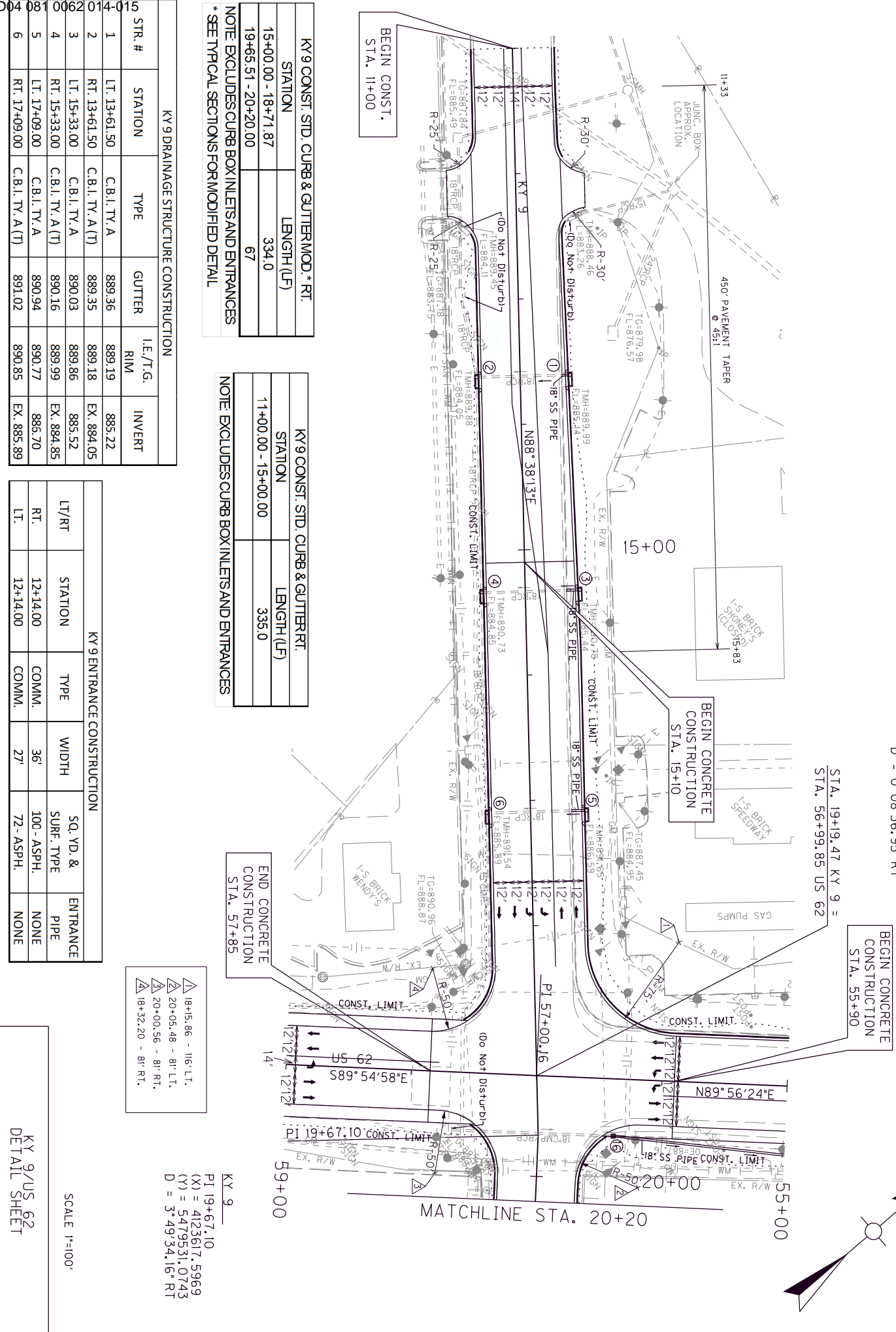
NOTE: EXCLUDES CURB BOX INLETS AND ENTRANCES
* SEE TYPICAL SECTIONS FOR MODIFIED DETAIL

KY 9 DRAINAGE STRUCTURE CONSTRUCTION			
STR. #	STATION	TYPE	GUTTER
1	LT. 13+61.50	C.B.I. TV. A	889.36
2	RT. 13+61.50	C.B.I. TV. A (T)	889.35
3	LT. 15+33.00	C.B.I. TV. A	890.03
4	RT. 15+33.00	C.B.I. TV. A (T)	890.16
5	LT. 17+09.00	C.B.I. TV. A	890.94
6	RT. 17+09.00	C.B.I. TV. A (T)	891.02

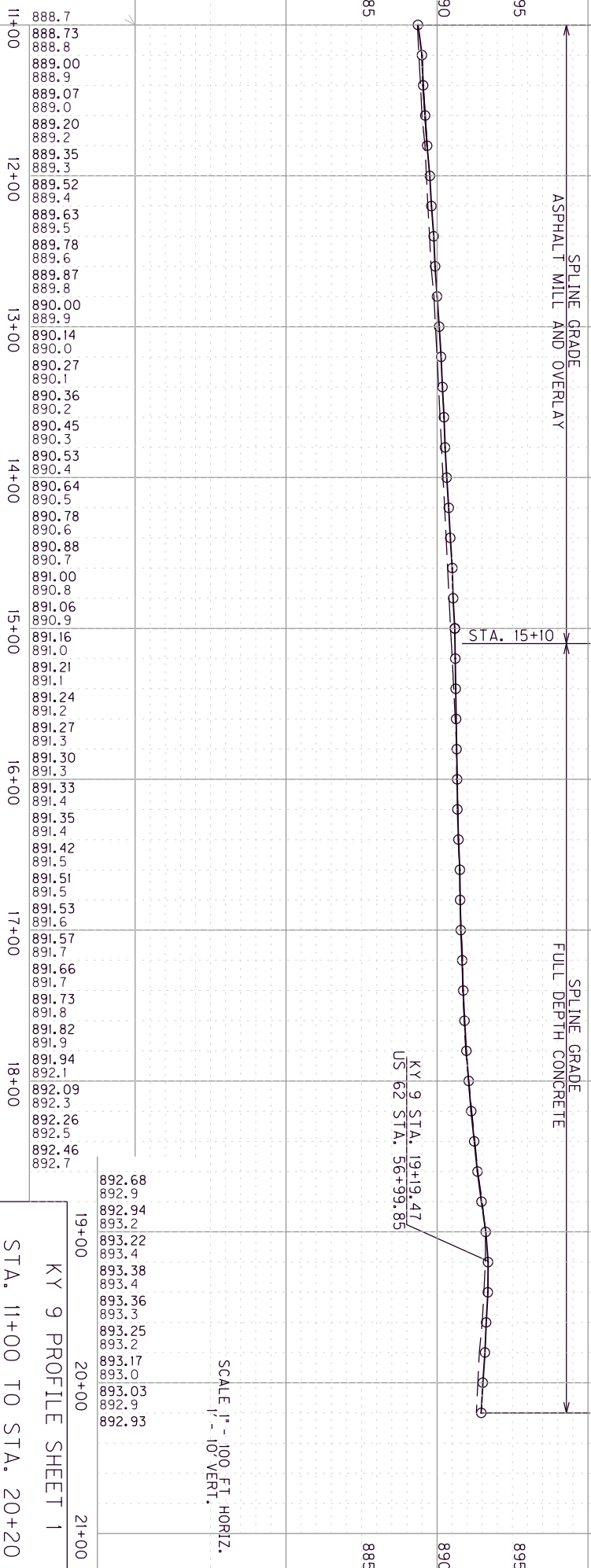
KY 9 ENTRANCE CONSTRUCTION			
LT/RT	STATION	TYPE	WIDTH
RT.	12+14.00	COMM.	36'
LT.	12+14.00	COMM.	27'

KY 9 US 62 DETAIL SHEET			
SCALE	1"=100'		

PI 19+67.10
(X) = 4123617.5969
(Y) = 5479531.0743
D = 3° 49' 34.16" RT



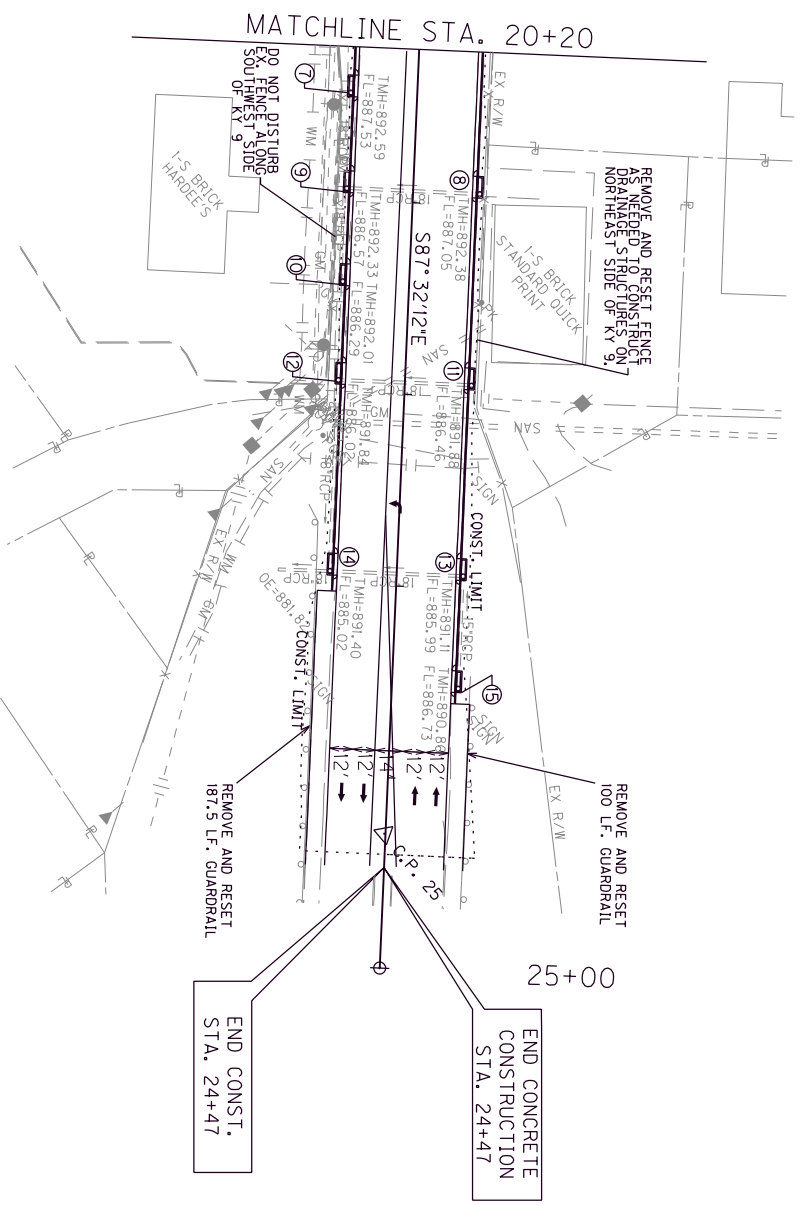
County	Item No.	Sheet
MASON	9-80107.00	16



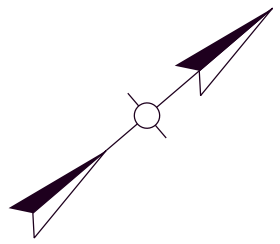
County	Item No.	Sheet
MASON	9-80107.00	17

KY 9 CONST. STD. CURB & GUTTERMOD. * LT.	
STATION	LENGTH (LF)
20+20.00 - 23+60.00	295
* SEE TYPICAL SECTIONS FOR MODIFIED DETAIL	

KY 9 CONST. STD. CURB & GUTTERMOD. * RT.	
STATION	LENGTH (LF)
20+20.00 - 23+04.00	228
* SEE TYPICAL SECTIONS FOR MODIFIED DETAIL	



KY 9 DRAINAGE STRUCTURE CONSTRUCTION					
STR. #	STATION	TYPE	GUTTER	I.E./T.G. RIM	INVERT
7	RT. 20+44.00	C.B.I. TY. A (T)	892.23	892.06	EX. 887.53
8	LT. 20+94.00	C.B.I. TY. A (T)	892.03	891.86	EX. 887.05
9	RT. 20+94.00	C.B.I. TY. A (T)	891.93	891.76	EX. 886.57
10	RT. 21+42.50	C.B.I. TY. A (T)	891.74	891.57	EX. 886.29
11	LT. 21+94.00	C.B.I. TY. A (T)	891.46	891.29	EX. 884.46
12	RT. 21+94.00	C.B.I. TY. A (T)	891.41	891.24	EX. 886.02
13	LT. 22+93.50	C.B.I. TY. A (T)	890.86	890.69	EX. 885.99
14	RT. 22+93.50	C.B.I. TY. A (T)	890.86	890.69	EX. 885.02
15	RT. 23+52.00	C.B.I. TY. A (T)	890.52	890.35	EX. 886.73

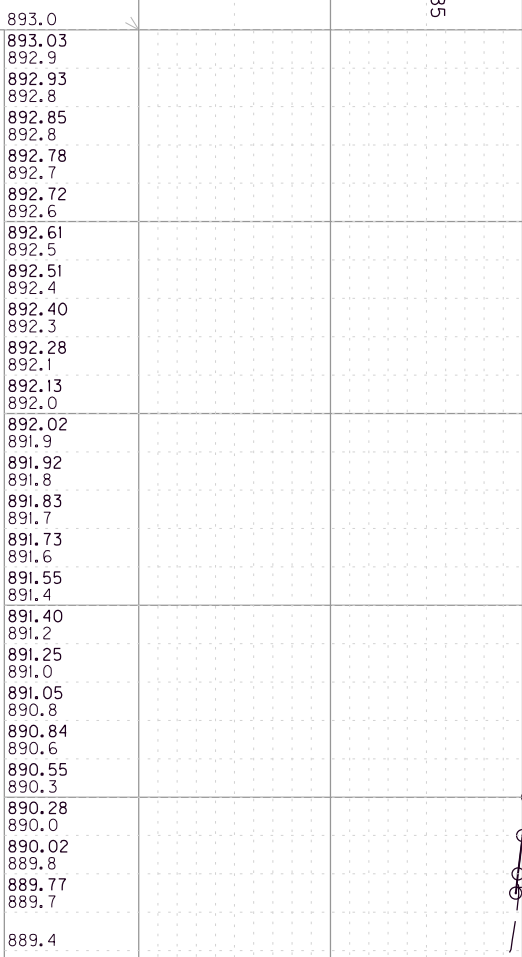


County	Item No.	Sheet
MASON	9-80107.00	18

KY 9/US 62
DETAIL SHEET

SCALE 1"=100'

20+00
21+00
22+00
23+00
24+00
25+00



SPLINE GRADE
FULL DEPTH CONCRETE

SCALE 1" = 100' FT. HORIZ.
1" = 10' FT. VERT.

KY 9 PROFILE SHEET 2
STA. 20+20 TO STA. 24+47

County	Item No.	Sheet
MASON	9-80107.00	19

885

890

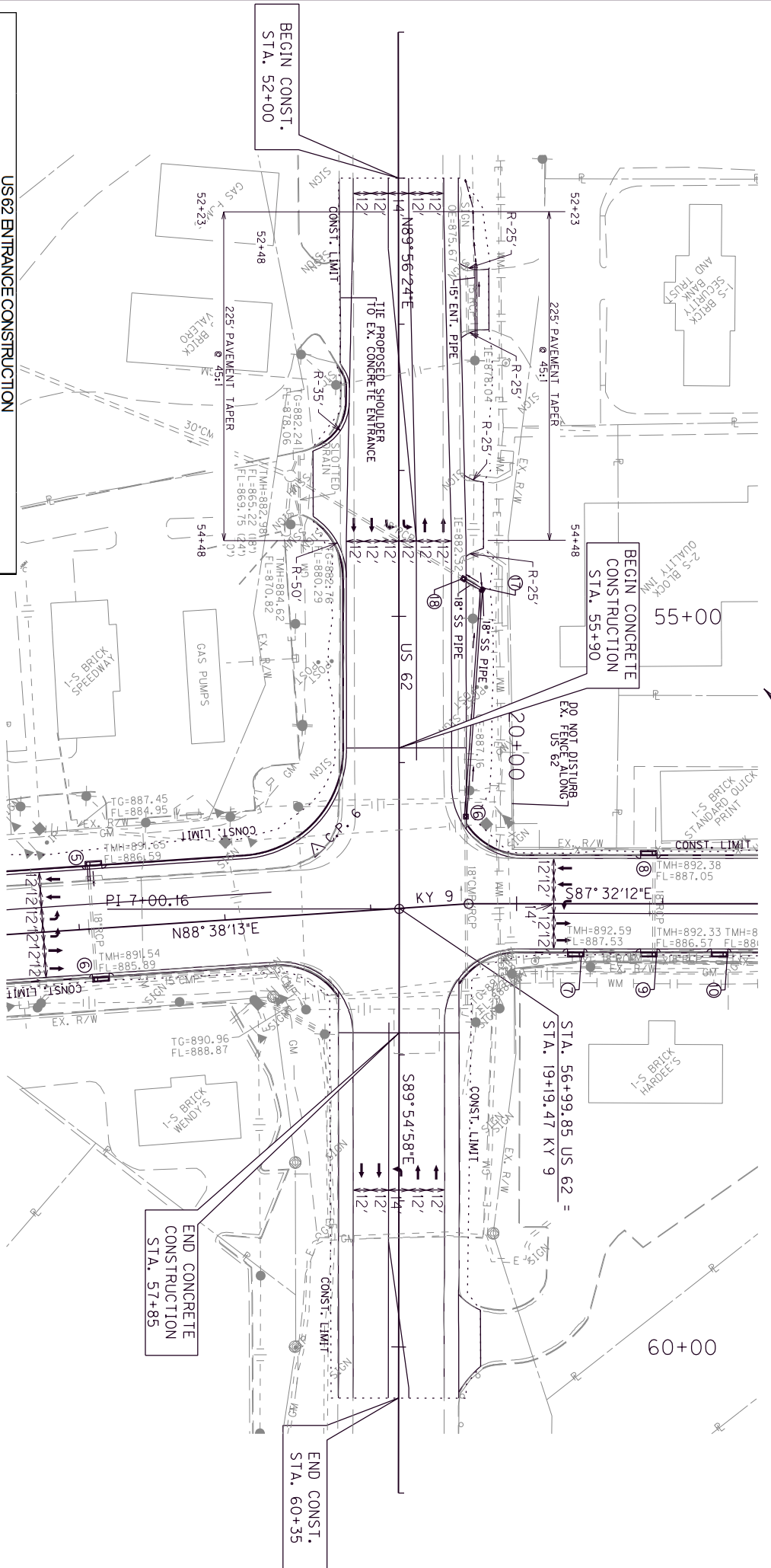
895

LT/RT	STATION	TYPE	CHANNEL LINING		QUANTITY
			TYPE	D T	
LT.	52+00.00 - 52+59.00	SPECIAL 'V'	ECB	1.0'	53 SQ YD
LT.	53+09.00 - 54+00.00	NORMAL 'V'	ECB	1.0'	81 SQ YD
LT.	54+70.00 - 54+79.43	SPECIAL 'V'	ECB	1.0'	10 SQ YD
LT.	54+83.50 - 55+00.00	2' FB	ECB	1.0'	15 SQ YD
LT.	55+00.00 - 56+20.00	NORMAL 'V'	ECB	1.0'	107 SQ YD

KY 9 CONST. STD. CURB & GUTTER RT.	
STATION	LENGTH (LF)
53+27.60 - 55+90.00	232

County	Item No.	Sheet
MASON	9-80107.00	20

WARNING: DO NOT DISTURB EXISTING WATER MAIN CROSSING KY 9 FROM APPROXIMATE STA. 52+00 TO STA. 56+00. EXISTING WATER MAIN IS LOCATED UNDER THE PROPOSED SUBGRADE MATERIAL AROUND EX. WATER MAIN ENCASUREMENT PIPE. HOWEVER, DO NOT DISTURB THE EX. WATER MAIN.

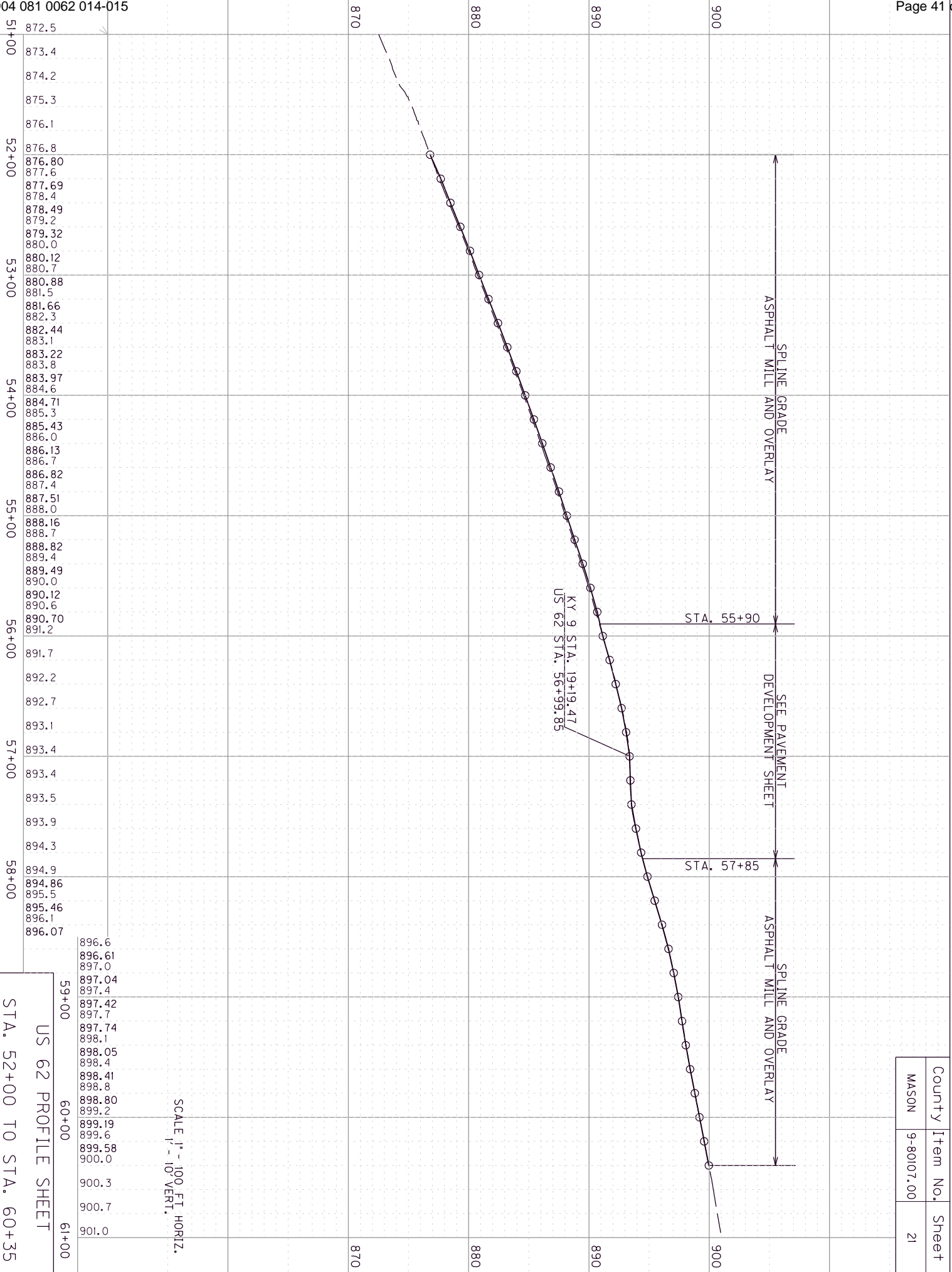


LT/RT	STATION	TYPE	WIDTH	SO. YD. & SURF. TYPE	ENTRANC E PIPE
LT.	52+83.03	CONMI	42'	94' ASPH.	15" - 50 LF
RT.	52+83.03	CONMI		*SEE NOTE BELOW	
RT.	54+09.12	CONMI	45'	134' CONC	NONE
LT.	54+30.81	CONMI	46'	67' ASPH	NONE
LT.	59+93.93	CONMI	39'	82' ASPH	NONE

US 62 DRAINAGE STRUCTURE CONSTRUCTION			
STR. #	STATION	TYPE	GUTTER
16	LT. 56+37.00	J.B. 24"	N/A
17	LT. 54+82.00	D.B.I. TY. 11	N/A
18	LT. 54+74.00	J.B. 24"	N/A

KY 9/US 62 DETAIL SHEET		
I.E./T.G. RIMI	INVERT	
891.68	887.3	
884.55	881.85	
886.35	881.65	

SCALE 1"=100'



County	Item No.	Sheet
MASON	9-80107.00	21

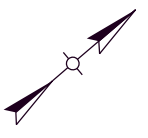
US 62 PROFILE SHEET
 STA. 52+00 TO STA. 60+35

SCALE 1" = 100' FT. HORIZ.
 1" = 10' VERT.

PROJECT COORDINATES

Datum Reference and Final Coordinates
All new horizontal GNSS control is based on the Kentucky State Plane Coordinate System (Single Zone), referenced to North American Datum 1983, 2011 adjustment, expressed in U.S. Survey Feet. All vertical control is based on the North American Vertical Datum of 1988 (NAVD88) with GEOID12B (CONUS) applied to model the elevations, also expressed in U.S. Survey Feet.

US 62
PI 57+00.16
(X) = 4123647.4746
(Y) = 5479493.9535
D = 0° 08'36.95" RT



CENTERLINE COORDINATES			
STATION	STATE PLANE COORDINATES		DESCRIPTION
	NORTH (Y)	EAST (X)	
3+00.00	4124671.4693	5478239.3421	P.O.B.
19+67.10	4123617.5969	5479531.0743	P.I.
26+00.92	4123185.0442	5479994.3487	P.C.
28+35.02	4123025.2800	5480165.4600	P.I.
30+68.78	4122850.2268	5480320.8950	P.T.
33+00.00	4122677.3260	5480474.4189	P.O.E.

CENTERLINE COORDINATES			
STATION	STATE PLANE COORDINATES		DESCRIPTION
	NORTH (Y)	EAST (X)	
38+50.00	4124941.2593	5480812.8086	P.O.B.
39+71.77	4124865.3338	5480717.6073	P.C.
44+15.33	4124588.7700	5480370.8300	P.I.
48+57.27	4124264.2196	5480068.4907	P.I.
57+00.16	4123647.4746	5479493.9535	P.I.
67+00.00	4122917.6040	5478810.6079	P.O.E.

POINT	DESCRIPTION	STATE PLANE COORDINATES			ELEV. (Z)	STATION	OFFSET
		NORTH (Y)	EAST (X)				
CP 1	IRON PIN & CAP	4124150.0130	5478936.1681		889.08	11+69.16	-36.13
CP 6	IRON PIN & CAP	4123715.5640	5479480.6750		892.76	18+66.12	-44.05
CP 25	MAG NAIL	4123301.7730	5479868.5060		889.9	24+29.27	0.56



County	Item No.	Sheet
MASON	9-80107.00	22

KY 9
PI 19+67.10
(X) = 4123617.5969
(Y) = 5479531.0743
D = 3° 49' 34.16" RT

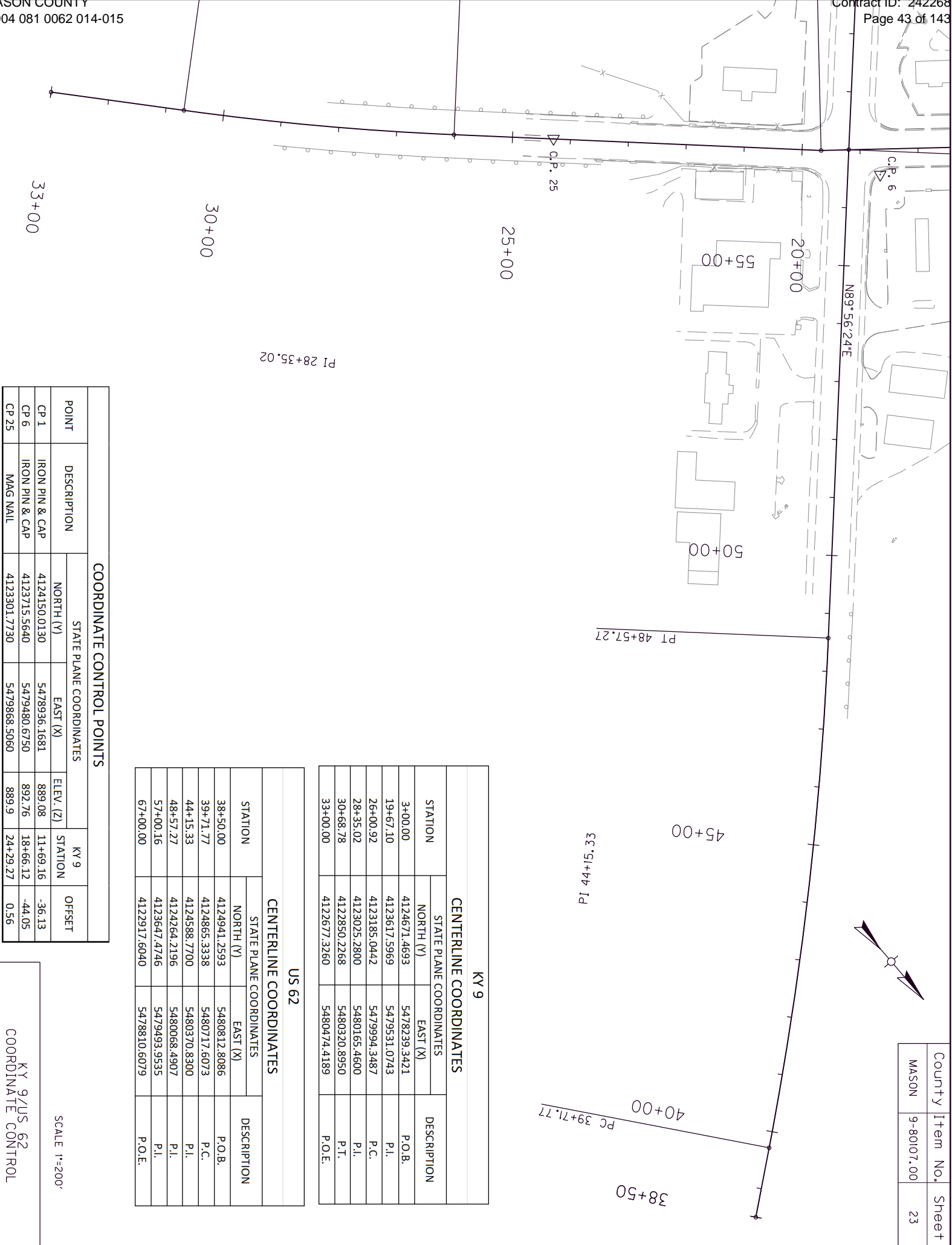
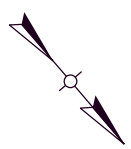
65+00

67+00

SCALE 1"=200'

KY 9/US 62
COORDINATE CONTROL

County	Item No.	Sheet
MASON	9-80107.00	23



KY 9

CENTERLINE COORDINATES		
STATION	STATE PLANE COORDINATES	
	NORTH (Y)	EAST (X)
3+00.00	4124671.4693	5478239.3421
19+67.10	4123617.5969	5479531.0743
26+00.92	4123185.0442	5479994.3487
28+35.02	4123025.2800	5480165.4600
30+68.78	4122850.2268	5480320.8950
33+00.00	4122677.3260	5480474.4189

US 62

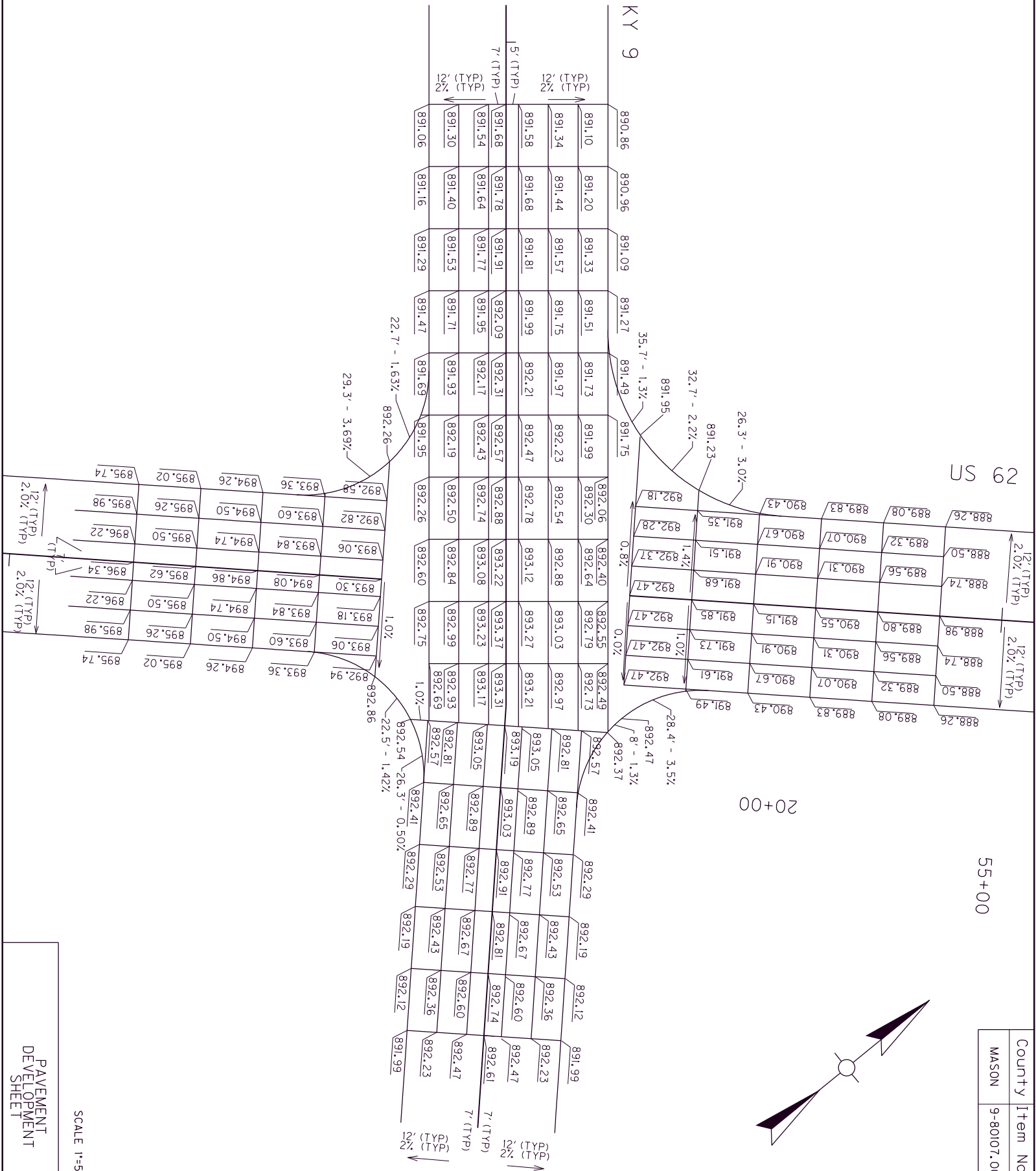
CENTERLINE COORDINATES		
STATION	STATE PLANE COORDINATES	
	NORTH (Y)	EAST (X)
38+50.00	4124941.2593	5480812.8086
39+71.77	4124865.3338	5480717.6073
44+15.33	4124588.7700	5480370.8300
48+57.27	4124264.2196	5480068.4907
57+00.16	4123647.4746	5479493.9535
67+00.00	4122917.6040	5478810.6079

COORDINATE CONTROL POINTS

POINT	DESCRIPTION	STATE PLANE COORDINATES			KY 9 STATION	OFFSET
		NORTH (Y)	EAST (X)	ELEV. (Z)		
CP 1	IRON PIN & CAP	4124150.0130	5478936.1681	889.08	11+69.16	-36.13
CP 6	IRON PIN & CAP	4123715.5640	5479480.6750	892.76	18+66.12	-44.05
CP 25	MAG NAIL	4123301.7730	5479868.5060	889.9	24+29.27	0.56

SCALE 1"=200'

KY 9/US 62
COORDINATE CONTROL

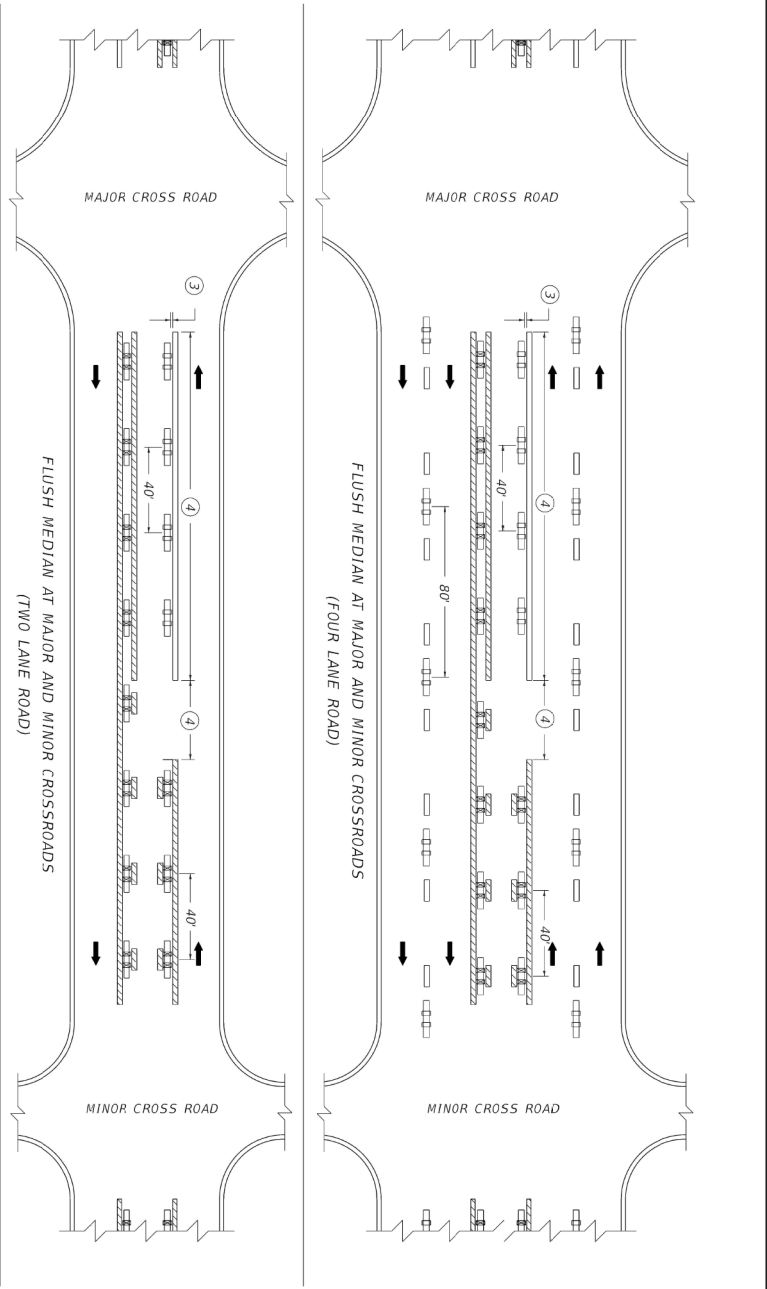


County	Item No.	Sheet
MASON	9-80107.00	24

SCALE 1"=50'

PAVEMENT
DEVELOPMENT
SHEET

County	Item No.	Sheet
MASON	9-80107.00	25



- ~ NOTES ~
1. MARKERS INSTALLED AT DOUBLE YELLOW CENTERLINES SHALL BE PLACED BETWEEN THE TWO LINES.
 2. MARKERS INSTALLED ALONG LANE LINES OR DASHED YELLOW CENTERLINES SHALL BE PLACED BETWEEN AND IN LINE WITH THE SKIPS.
 3. MARKERS INSTALLED ALONG EDGE LINES SHALL BE PLACED SO THAT THE NEAR EDGE OF THE GROOVE IS NO MORE THAN 1" FROM THE NEAR EDGE OF THE LINE.
 4. LENGTH TO BE DETERMINED ON A PROJECT BY PROJECT BASIS.
 5. MARKERS SHALL NOT BE INSTALLED ON TOP OF THE PAVEMENT JOINT. OFFSET MARKERS A MINIMUM OF 2" FROM THE PAVEMENT JOINT. ENSURE THAT THE FINISHED LINE OF MARKERS IS STRAIGHT WITH MINIMAL LATERAL DEVIATION. MARKERS MAY BE ELIMINATED OR PLACEMENT ADJUSTED AT THE DISCRETION OF THE ENGINEER.

LEGEND

	BI-DIRECTIONAL PAVEMENT MARKER (YELLOW)
	NON-DIRECTIONAL PAVEMENT MARKER (WHITE)
	MARKINGS (YELLOW)
	MARKINGS (WHITE)

DRAWING NOT TO SCALE
USE WITH CUR. STD. DWG.
TPM-207

DATE: 06-09-21
DRAWN BY: [Signature]

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DATE PLOTTED: 8/2/2023 9:33:17 AM

FILE NAME: C:\WORK\KENTUCKY\COMMONWEALTH\ENR\15\PMAS\SEP14.DWG

USER: cmmw@kentucky.gov

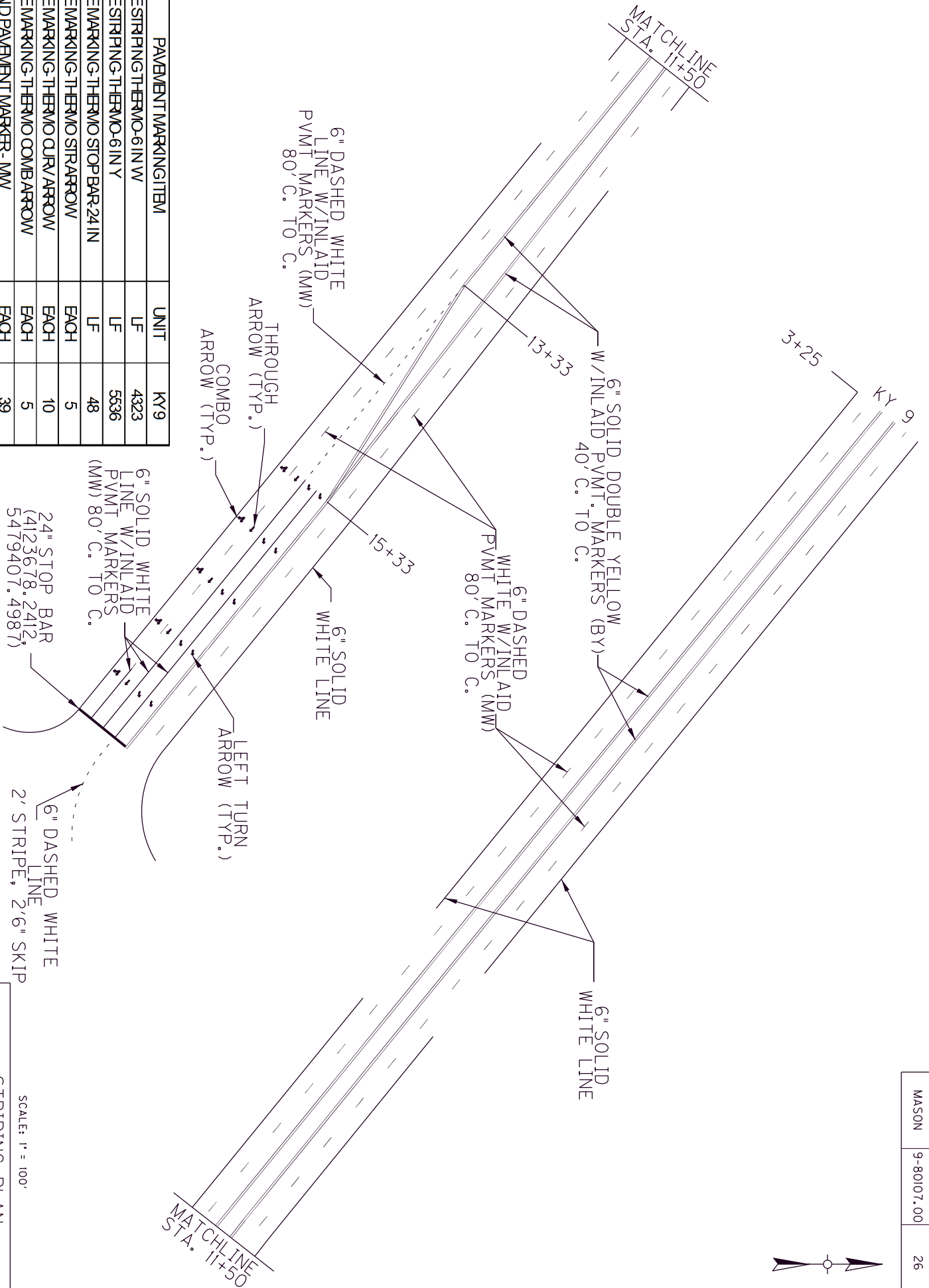
THEM NO. 980107
SHEET NO. 25

COUNTY OF MASON

DRAWING TITLE: SEP14 015 - IN-LAND PAVEMENT MARKER ARRANGEMENTS TWO-WAY, LEFT-TURN LANE

SEP14 015

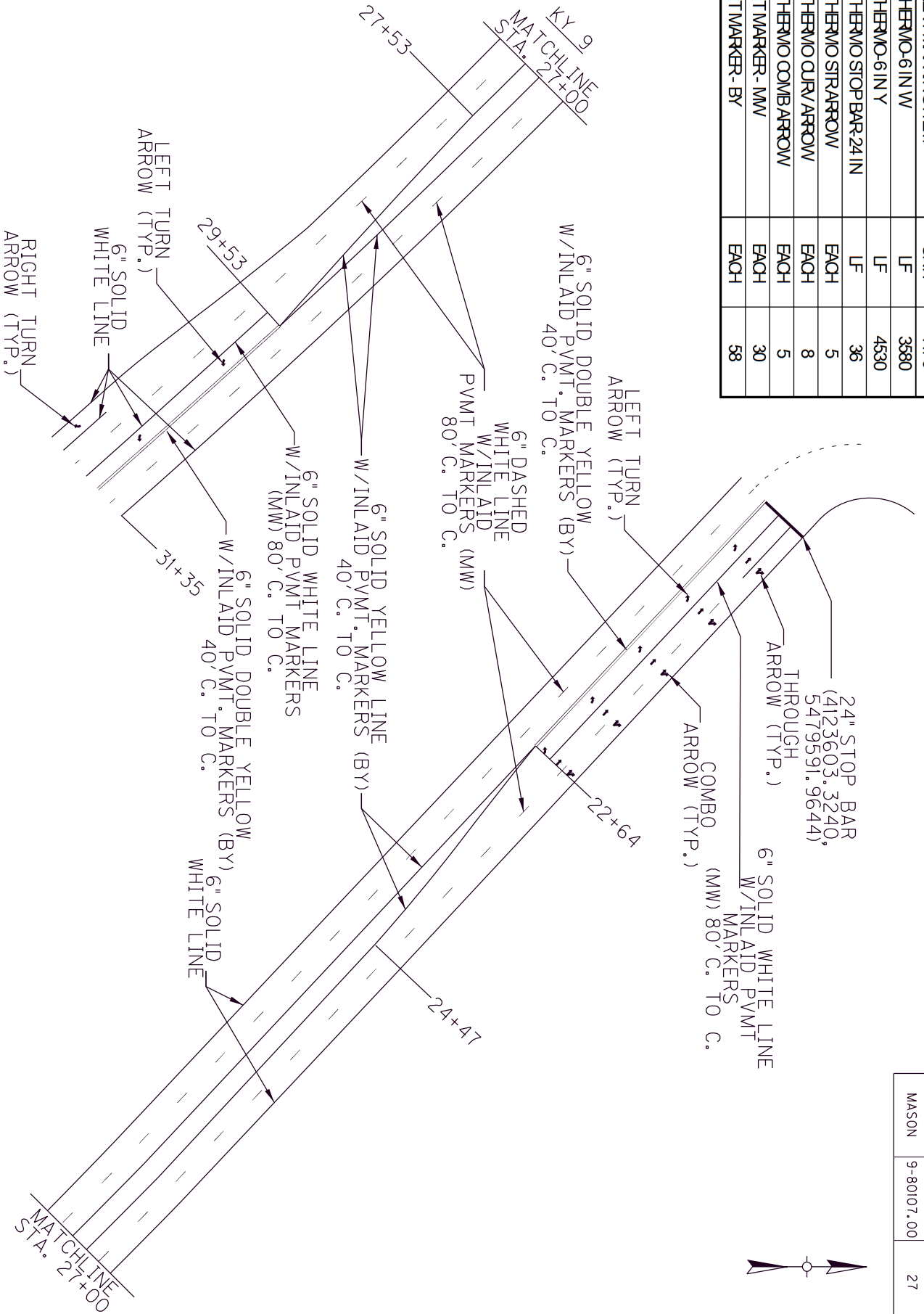
PAVEMENT MARKING ITEM	UNIT	KY9
PAVE STRIPING-THERMO-6 IN W	LF	4323
PAVE STRIPING-THERMO-6 IN Y	LF	5536
PAVE MARKING-THERMO STOP BAR-24 IN	LF	48
PAVE MARKING-THERMO STRIP-ARROW	EACH	5
PAVE MARKING-THERMO CURV-ARROW	EACH	10
PAVE MARKING-THERMO COMB-ARROW	EACH	5
INLAID PAVEMENT MARKER-MW	EACH	39
INLAID PAVEMENT MARKER-BY	EACH	71



SCALE: 1" = 100'
STRIPING PLAN
KY 9
STA. 3+25 TO STA. 19+19.47

County	Item No.	Sheet
MASON	9-80107.00	26

PAVEMENT MARKING ITEM	UNIT	QTY
PAVE STRIPING-THERMO-6 IN W	LF	3580
PAVE STRIPING-THERMO-6 IN Y	LF	4530
PAVE MARKING-THERMO STOP BAR-24 IN	LF	36
PAVE MARKING-THERMO STRIP-ARROW	EACH	5
PAVE MARKING-THERMO CURV-ARROW	EACH	8
PAVE MARKING-THERMO COMB-ARROW	EACH	5
INLAID PAVEMENT MARKER-MM	EACH	30
INLAID PAVEMENT MARKER-BY	EACH	58



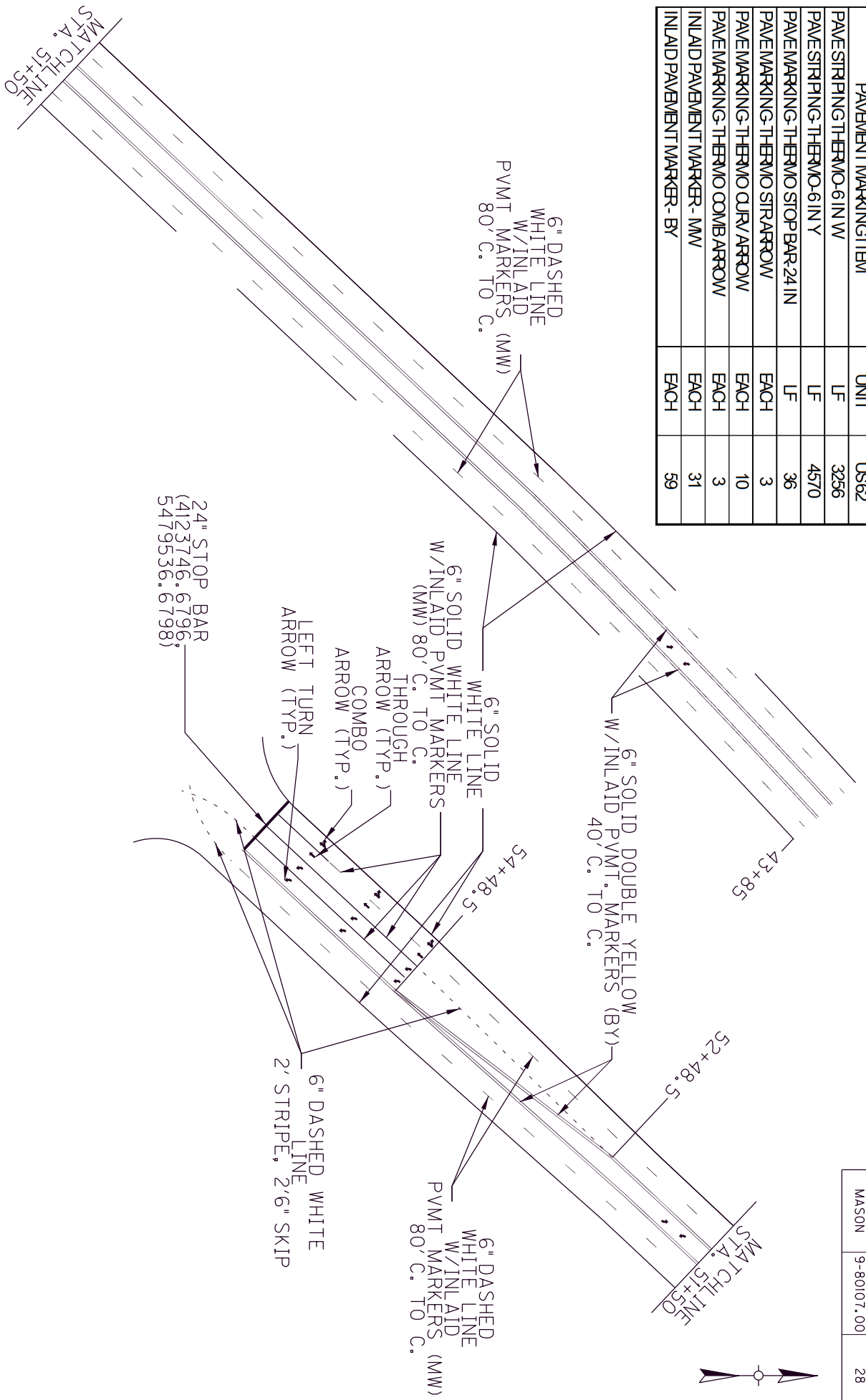
County	Item No.	Sheet
MASON	9-80107.00	27



STRIPING PLAN
 KY 9
 STA. 19+19.47 TO STA. 31+35

SCALE: 1" = 100'

PAVEMENT MARKING ITEM	UNIT	US62
PAVE STRIPING-THERMO-6 IN W	LF	3256
PAVE STRIPING-THERMO-6 IN Y	LF	4570
PAVE MARKING-THERMO STOP BAR-24 IN	LF	36
PAVE MARKING-THERMO STRIP ARROW	EACH	3
PAVE MARKING-THERMO CURB/ARROW	EACH	10
PAVE MARKING-THERMO COMB ARROW	EACH	3
INLAID PAVEMENT MARKER - MW	EACH	31
INLAID PAVEMENT MARKER - BY	EACH	59



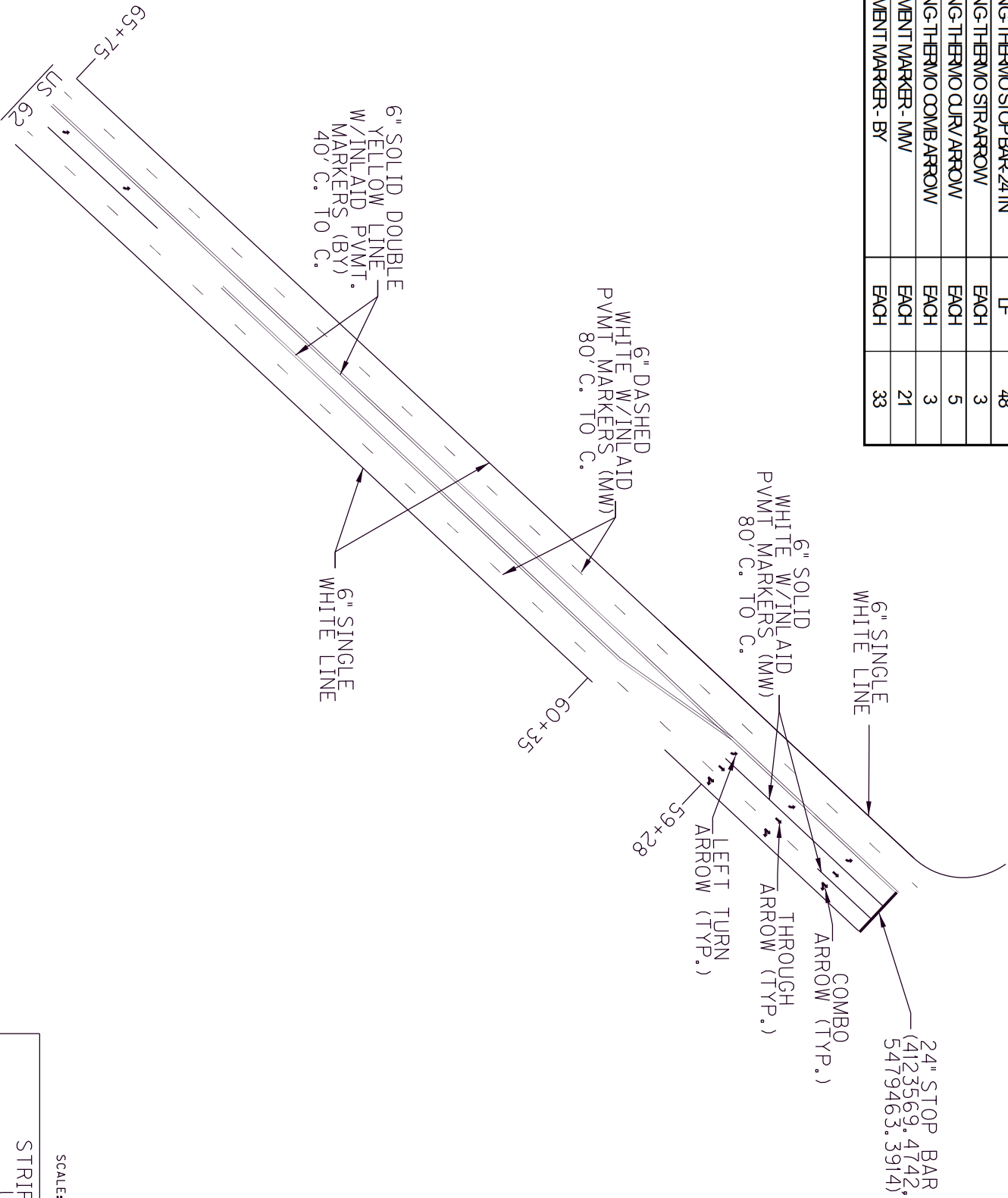
County	Item No.	Sheet
MASON	9-80107.00	28



STRIPING PLAN
US 62
STA. 43+85 TO STA. 57+00

SCALE: 1" = 100'

PAVEMENT MARKING ITEM	UNIT	US62
PAVE STRIPING-THERMO-6 IN W	LF	2203
PAVE STRIPING-THERMO-6 IN Y	LF	2530
PAVE MARKING-THERMO STOP BAR 24 IN	LF	48
PAVE MARKING-THERMO STRIP ARROW	EAQH	3
PAVE MARKING-THERMO CURV ARROW	EAQH	5
PAVE MARKING-THERMO COMB ARROW	EAQH	3
INLAID PAVEMENT MARKER-MW	EAQH	21
INLAID PAVEMENT MARKER-BY	EAQH	33



County	Item No.	Sheet
MASON	9-80107.00	29

SCALE: 1" = 100'
STRIPING PLAN
US 62
STA. 57+00 TO STA. 65+75

EXCEPT AS PROVIDED HEREIN, "MAINTAIN AND CONTROL TRAFFIC" SHALL BE IN ACCORDANCE WITH THE XYTC STANDARD SPECIFICATIONS, STANDARD DRAWINGS, AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), CURRENT EDITIONS AT THE TIME OF THE LETTING, EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED. ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID FOR AT THE LUMP SUM BID PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES.

CONTRARY TO SECTION 106.01, TRAFFIC CONTROL DEVICES USED ON THIS PROJECT MAY BE NEW OR USED IN LIKE NEW CONDITION AT THE BEGINNING OF THE WORK AND MAINTAINED IN LIKE NEW CONDITION UNTIL COMPLETION OF THE WORK, UNLESS NOTED OTHERWISE. ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS, AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED.

THE LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC" SHALL INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS AND OPERATIONS:

- A. ALL GRADING AND NECESSARY DRAINAGE.
- B. ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES.
- C. ALL FLAGPERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, 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 PLANS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, OR THE ENGINEER.

A TRAFFIC CONTROL COORDINATOR SHALL BE REQUIRED ON THIS PROJECT. THE DESIGNATED TRAFFIC CONTROL COORDINATOR MUST MEET THE REQUIREMENTS OF SECTION 112.03.12 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR WILL PROVIDE CONTACT INFORMATION WHERE THE TRAFFIC CONTROL COORDINATOR MAY BE CONTACTED AT ALL TIMES. THE TRAFFIC CONTROL COORDINATOR WILL CONDUCT DAILY INSPECTIONS OF THE PROJECT MAINTENANCE OF TRAFFIC SCHEME AND REPORT AND CORRECT ANY DEFICIENCIES. THE TRAFFIC CONTROL COORDINATOR WILL REPORT ALL INCIDENTS THROUGHOUT THE WORK ZONE TO THE ENGINEER.

IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION PHASES OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE SHALL PREPARE AN ALTERNATIVE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATIVE PLAN MAY BE USED ONLY AFTER REVIEW AND APPROVAL OF THE DIVISIONS OF TRAFFIC, HIGHWAY DESIGN, AND CONSTRUCTION. PROPOSED CHANGES TO THE TRAFFIC CONTROL PLAN MAY BE CONSIDERED IN ACCORDANCE WITH SECTION 112.03.01 OF THE STANDARD SPECIFICATIONS.

MAINTENANCE OF TRAFFIC NOTES

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.

THE CONTRACTOR VEHICLES SHALL ALWAYS MOVE WITH AND NOT AGAINST THE FLOW OF TRAFFIC. VEHICLES SHALL ENTER AND LEAVE WORK AREAS AT LOCATIONS DESIGNATED BY THE ENGINEER. FLAGPERSONS WILL BE REQUIRED AT ALL LOCATIONS WHERE CONSTRUCTION VEHICLES CROSS THE EXISTING FLOW OF TRAFFIC.

UNLESS OTHERWISE SPECIFIED ON THE PLANS, THE CONTRACTOR SHALL MAINTAIN A TWO-WAY, TWO-LANE TRAVELLED WAY WITH A MINIMUM LANE WIDTH OF 11 FEET. DURING WORKING HOURS, ONE-LANE TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER. PROVIDED ADEQUATE SIGNING AND FLAG PERSONS ARE AT THE LOCATION.

SPEED LIMIT - REDUCE THE SPEED LIMIT TO 35 MPH EXCEPT FOR THE KY 9 LEG ON THE SOUTHEAST SIDE OF THE INTERSECTION WHICH WILL BE REDUCED TO 25 MPH. LANE SHIFT TAPERS SHOWN ARE BASED UPON MOT SPEED LIMITS (35 MPH ON US 62 AND SB KY 9 AND 25 MPH ON NB KY 9). INSTALL MOT SPEED LIMIT SIGNS IN ADVANCE OF BEGINNINGS OF TAPER TO ALLOW TRAFFIC TO REACH MOT SPEED PRIOR TO ENTERING THE TAPERS.

TRAFFIC PHASE CHANGES THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES) WILL NOTIFY THE DISTRICT PUBLIC INFORMATION OFFICER, PRIOR TO LANE CLOSURES AND/OR SHIFTS IN THE TRAFFIC PATTERN.

ALL SHIFTS IN TRAFFIC PATTERNS THROUGHOUT THE DURATION OF THE PROJECT SHALL BE IN COMPLIANCE WITH THE APPROPRIATE STANDARD DRAWINGS, CONES WILL NOT BE PERMITTED FOR LANE AND OR SHOULDER CLOSURES.

THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES) SHALL REVIEW THE SIGNING AND PAVEMENT MARKING SCHEMES BEFORE TRAFFIC PATTERNS ARE SHIFTED TO USE ANY LANE CLOSURES, TEMPORARY PAVEMENT, OR DIVERSIONS. ALL SIGNING AND PAVEMENT MARKING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK IS STARTED BY THE CONTRACTOR.

TRAFFIC SHALL NOT BE SHIFTED FROM ONE PHASE TO ANOTHER BEFORE APPROPRIATE TEMPORARY LANE MARKINGS AND SIGNING HAVE BEEN INSTALLED AND APPROVED BY THE ENGINEER. USE TEMPORARY PAINT FOR TAPERS AND TRANSITIONS. THE EXISTING PAVEMENT MARKERS AND MARKINGS SHALL BE REMOVED PRIOR TO SHOWING A CONFLICTING MARKING SCHEME. NO DIRECT PAYMENT WILL BE ALLOWED FOR THIS AND WILL BE CONSIDERED INCIDENTAL TO THE ITEM "MAINTAIN AND CONTROL TRAFFIC."

TRAFFIC LANE SHIFT TAPERS - THE INCLUDED PROJECT PHASING DEPICTS A SCHEMATIC OF TRAFFIC PATTERNS THAT SHOULD BE EMPLOYED. THE EXACT LOCATION OF THE BEGINNING AND ENDING OF LANE TAPERS, BUFFER DISTANCES, ETC. ARE TO BE APPROVED BY THE ENGINEER PRIOR TO THE INSTALLATION OF THE PROPOSED TRAFFIC SHIFT.

TRAFFIC SIGNAL HEAD RELOCATION, COVERING, AND REMOVING- RELOCATE EX. TRAFFIC SIGNAL HEADS AS DIRECTED IN THE MAINTENANCE OF TRAFFIC PROJECT PHASING. IF REQUIRED, FURNISH AND INSTALL ADDITIONAL 14 AWG/5C CABLE TO ACCOMMODATE TRAFFIC SIGNAL RELOCATION. SPLICE PROPOSED CABLE WITH EX. CABLE PER SECTION 723.03.15 OF THE STANDARD SPECIFICATIONS. ANY RELOCATING, COVERING, OR REMOVING OF SIGNAL HEADS (INCLUDING ANY CABLE, SPLICES, AND COVERS) WILL BE PAID UNDER THE ITEM "TEMPORARY RELOCATION OF SIGNAL HEAD."

CHANNELIZATION DEVICES (DRUMS OR VERTICAL PANELS) WILL BE PLACED IN TRAFFIC PATTERN SHIFT AREAS ON A 20' MAXIMUM SPACING.

LANE CLOSURES - LANE CLOSURES MUST BE APPROVED BY THE ENGINEER A MINIMUM OF 24 HOURS IN ADVANCE UNLESS UNFORESEENABLE SITUATIONS OCCUR BEYOND THE CONTRACTOR'S CONTROL. NO LANE CLOSURE MAY REMAIN IN PLACE DURING A PERIOD OF INACTIVITY (E.G., WINTER CLOSE DOWN) OF GREATER THAN TWO WEEKS. CONTRARY TO SECTION 112 OF THE STANDARD SPECIFICATIONS, LANE CLOSURES WILL NOT BE CONSIDERED FOR PAYMENT REGARDLESS OF THE DURATION OF CLOSURE BUT ARE CONSIDERED INCIDENTAL TO "MAINTAIN AND CONTROL TRAFFIC." SIGNS AND ARROW PANELS WILL BE PAID PER SQ FT AND EACH RESPECTIVELY, EXCEPT FOR LANE CLOSURES INSTALLED FOR THE CONTRACTOR'S CONVENIENCE.

ROAD CLOSURES - LIMIT THE DURATION OF ROAD CLOSURES TO THE MINIMUM REQUIRED TO ACCOMPLISH THE COMPLETION OF THE PHASE REQUIRING CLOSURE. CONTINUOUSLY PURSUE WORK UNTIL COMPLETE TO MINIMIZE DURATIONS OF CLOSURES.

LOCAL ACCESS - ACCESS TO LOCAL PROPERTIES AND APPROACH ROADS SHALL BE MAINTAINED AT ALL TIMES. APPROACH ROAD AND ENTRANCE CONSTRUCTION SHALL BE COMPLETED UTILIZING PART-WIDTH CONSTRUCTION TO MAINTAIN ACCESS. AT THE DISCRETION OF THE ENGINEER, SHOULD THE CONTRACTOR HAVE TO CLOSE ACCESS TO ANY PROPERTY HE WILL BE REQUIRED TO COORDINATE SUCH OCCASION WITH THE PROPERTY OWNER AND PROVIDE THE OWNER WITH A MINIMUM 48 HOUR NOTICE PRIOR TO CLOSURE. PLACE AND MAINTAIN A MINIMUM OF 2 INCHES OF MAINTENANCE STONE ON TEMPORARY DRIVING SURFACES. ACCESS TO PARCELS NOT INHAIBITED MAY BE CLOSED FOR SHORT PERIODS OF TIME IF COORDINATED WITH AND AGREED UPON BY THE OWNER.

SCHOOL BUSES AND EMERGENCY VEHICLES - IF AN EMERGENCY VEHICLE ON AN EMERGENCY RUN OR A SCHOOL BUS ARRIVES AT THE PROJECT SITE DURING CONSTRUCTION, THE CONTRACTOR SHALL MAKE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

County	Item No.	Sheet
MASON	9-80107.00	30

MOT GENERAL NOTES

MAINTENANCE OF TRAFFIC NOTES

County	Item No.	Sheet
MASON	9-80107.00	31

WEIGHT LIMIT DESIGNATIONS - THE CONTRACTOR SHALL OBSERVE ALL WEIGHT LIMIT DESIGNATIONS WHILE HAULING MATERIAL AND EQUIPMENT ON EXISTING PAVEMENTS. ANY DAMAGE TO EXISTING PAVEMENT CAUSED BY THE CONTRACTOR'S EQUIPMENT SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE DEPARTMENT. EQUIPMENT ON EXISTING PAVEMENTS, ANY DAMAGE TO EXISTING PAVEMENT CAUSED BY THE CONTRACTOR'S EQUIPMENT SHALL BE REPAIRED IMMEDIATELY AT NO COST TO THE DEPARTMENT.

GUARDRAIL END TREATMENTS - USE CRASH WORTHY END TREATMENTS ON THE TRAILING END OF GUARDRAIL THAT OTHERWISE WOULD NOT REQUIRE CRASHWORTHY END TREATMENTS WHEN THE TRAFFIC SCHEME PROVIDES FOR TRAFFIC TO BE SHIFTED TWO-WAY NEAR THE GUARDRAIL AND REQUIRING CLEAR ZONE IN WHAT WOULD OTHERWISE BE DIVIDED HIGHWAY WITH CLEAR ZONE.

PLACE LEVELING AND WEDGING AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER TO RAMP TRAFFIC DOWN FROM ASPHALT BASE OVERLAYS TO EXISTING PAVEMENT AT THE LIMITS OF CONSTRUCTION PHASES. PROVIDE A MAXIMUM TEMPORARY VERTICAL TAPER RATE OF 1-.25" TO TRANSITION TRAFFIC BETWEEN PHASES THAT REQUIRE AN ELEVATION DIFFERENCE.

SIGNS: CONTRARY TO SECTION 112.04.02 OF THE STANDARD SPECIFICATIONS, ONLY LONG-TERM SIGNS (SIGNS INTENDED TO BE CONTINUOUSLY IN PLACE FOR MORE THAN 3 DAYS) WILL BE MEASURED FOR PAYMENT. SHORT TERM SIGNS (SIGNS INTENDED TO BE LEFT IN PLACE FOR 3 DAYS OR LESS) WILL NOT BE MEASURED FOR PAYMENT AND WILL BE CONSIDERED INCIDENTAL TO "MAINTAIN AND CONTROL TRAFFIC". INDIVIDUAL SIGNS WILL BE MEASURED ONLY ONCE FOR PAYMENT, REGARDLESS OF HOW MANY TIMES THEY ARE SET, RESET, REMOVED AND RELOCATED DURING THE DURATION OF THE PROJECT. REPLACEMENTS FOR DAMAGED SIGNS DIRECTED BY THE ENGINEER TO BE REPLACED DUE TO POOR CONDITION OR INADEQUATE REFLECTIVITY WILL NOT BE MEASURED FOR PAYMENT. EXISTING SIGNS WILL NOT BE MEASURED FOR PAYMENT BUT WILL BE INCIDENTAL TO "MAINTAIN AND CONTROL TRAFFIC."

THE ENGINEER WILL REVIEW AND APPROVE THE LOCATION AND TYPES OF SIGNS INSTALLED. LOCATION AND TYPES OF SIGNS ARE TO BE UPDATED AND MODIFIED AS NEEDED BASED ON THE FIELD CONDITIONS, WORK PHASING, PROJECT ACTIVITIES, PAVEMENT AND ROADSIDE CONDITIONS, ETC. WARNING SIGNS FOR BLASTING, ONE-LANE TRAFFIC AND FLAGGING, SHOULDER CLOSURE, LOW SHOULDER, ETC. ARE TO BE ADDED/REMOVED AS WARRANTED. THE CONTRACTOR SHALL COMPLETELY COVER ANY TEMPORARY SIGNS WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED. PERMANENT SIGNS WHICH DO NOT APPLY TO THE CURRENT TRAFFIC PHASING WILL BE REMOVED AND STORED UNTIL RE-INSTALLED. ANY SIGNS NOT RE-INSTALLED WILL BE DELIVERED TO THE DEPARTMENT'S TRAFFIC BARN.

STOP SIGNS - MAINTAIN STOP SIGNS ON ALL APPROACHES AT ALL TIMES.
FLASHING ARROWS - LONG TERM ARROW PANELS WILL BE PAID FOR PER SECTION 112.04.05 OF THE STANDARD SPECIFICATIONS.

PORTABLE CHANGEABLE MESSAGE SIGNS, PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE FURNISHED NEW AND INSTALLED AS DIRECTED BY THE ENGINEER. RELOCATE MESSAGE BOARDS AND REVISE MESSAGES AS NEEDED. USE MESSAGE BOARDS TO ASSIST IN TRAFFIC PHASE SHIFT ADVANCE WARNINGS. CONTRARY TO THE SPECIAL NOTE FOR PORTABLE CHANGEABLE MESSAGE SIGNS, AT THE CONCLUSION OF THE PROJECT, PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BECOME THE PROPERTY OF KYTC DISTRICT 9.

PAVEMENT MARKING REMOVAL
THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS AND RAISED PAVEMENT MARKERS THAT DO NOT CONFORM TO THE TRAFFIC OPERATION IN USE. REMOVAL OF EXISTING PAVEMENT MARKINGS OR TEMPORARY MARKINGS DUE TO TRAFFIC PHASE CHANGES IS CONSIDERED INCIDENTAL TO "MAINTAIN AND CONTROL TRAFFIC." PAYMENT FOR THE REMOVAL OF RAISED PAVEMENT MARKERS WILL BE EACH.

ALL TEMPORARY MARKINGS WHICH MUST BE SUBSEQUENTLY REMOVED FROM THE ULTIMATE PAVEMENT SHALL BE APPROVED REMOVABLE STRIPING TAPE. REMOVABLE STRIPING TAPE WILL BE MEASURED IN LINEAR FEET FOR PAYMENT.

USE WATER BLASTING OR OTHER NON-DESTRUCTIVE PAVEMENT MARKING REMOVAL METHODS ONLY.

PAVEMENT EDGE DROP-OFFS/PAVEMENT EDGES THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:

- LESS THAN 2 INCHES - NO PROTECTION REQUIRED. UNEVEN LANES SIGNS (WS-11) SHOULD BE PLACED IN ADVANCE OF AND THROUGHOUT THE DROP-OFF AREA.
- 2 INCHES TO 4 INCHES - PLACE PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES EVERY 100 FEET. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS ONLY.
- GREATER THAN 4 INCHES IF THERE IS LESS THAN 8 FEET OF DISTANCE BETWEEN THE EDGE OF PAVEMENT AND THE DROP-OFF, CONCRETE BARRIER WALLS OR A WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATIONS. IF THERE IS 8 FEET OR MORE DISTANCE BETWEEN THE EDGE OF PAVEMENT AND DROP-OFF, DRUMS, PANELS OR BARRICADES MAY BE USED.

DROP-OFFS GREATER THAN 4 INCHES RESULTING FROM EXCAVATION DIRECTLY ADJACENT TO TRAFFIC (WITH NO POSITIVE SEPERATION), SHALL BE LIMITED TO 500 FEET IN LENGTH AND SIGNED ACCORDING TO MUTCD WITH ADVANCE WARNING. THE INTENT OF THIS REQUIREMENT IS TO KEEP THE TEMPORARY "WEDDING OPERATION" IN CLOSE PROXIMITY TO THE WORK AREA AND PROMOTE SAFTEY FOR THE MOTORIST.

FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN 4 INCHES MAY BE PROTECTED WITH PLASTIC DRUMS, VERTICAL PANELS, OR BARRICADES FOR SHORT DISTANCES DURING DAYLIGHT HOURS WHILE WORK IS BEING DONE IN THE DROP-OFF AREA.

PAYMENT WILL BE ALLOWED FOR THE DGA MATERIAL USED FOR WEDGING.

MOT GENERAL NOTES

MAINTENANCE OF TRAFFIC PROJECT PHASING

County	Item No.	Sheet
MASON	9-80107.00	32

PHASE 1

TRAFFIC CONTROL
 SHIFT TRAFFIC RIGHT ON KY 9 AND MAINTAIN TWO WAY TRAFFIC WITH MINIMUM 11' LANES. RELOCATE AND ORIENT EX. THROUGH MOVEMENT SIGNAL HEADS OVER TRAFFIC AS REQUIRED.

SHIFT TRAFFIC LEFT ON US 62 AND MAINTAIN TWO WAY TRAFFIC WITH MINIMUM 11' LANES. RELOCATE AND ORIENT EX. THROUGH MOVEMENT SIGNAL HEADS OVER TRAFFIC AS REQUIRED. REMOVE OR COVER UNNEEDED SIGNAL HEADS.

DEVELOP THE NORTHBOUND KY 9 LANE TRANSITION TAPER ON THE EAST SIDE OF THE INTERSECTION FOR 25 MPH. DEVELOP ALL OTHER LANE TRANSITION TAPERS FOR 35 MPH.

CONSTRUCTION
 CONSTRUCT LEFT SIDE OF PROPOSED KY 9 PART WIDTH TO FINAL GRADE INCLUDING CURB AND GUTTER (WHERE SPECIFIED) AND DRAINAGE.

CONSTRUCT RIGHT SIDE OF PROPOSED US 62 PART WIDTH. CONSTRUCT ASPHALT SEGMENTS (FROM STA. 52+00.00 TO STA. 55+90.00 AND FROM STA. 57+85.00 TO STA. 60+35.00) TO THE FINAL BASE COURSE AND CONSTRUCT CONCRETE SEGMENT (FROM STA. 55+90.00 TO STA. 57+85.00) TO FINAL GRADE INCLUDING CURB AND GUTTER (WHERE SPECIFIED) AND DRAINAGE.

PLACE LEVELING AND WEDGING AS NEEDED OR AS DIRECTED BY THE ENGINEER TO RAMP TRAFFIC DOWN FROM CONCRETE PAVEMENT AT THE LIMITS OF CONSTRUCTION. PROVIDE A MAXIMUM TEMPORARY VERTICAL TAPER RATE OF 1":120 TO TRANSITION TRAFFIC BETWEEN PHASES THAT REQUIRE AN ELEVATION DIFFERENCE.

PHASE 1A

TRAFFIC CONTROL
 MAINTAIN TRAFFIC CONTROL ON KY 9 AND US 62 AS DESCRIBED IN PHASE 1 EXCEPT: CONSTRUCT RIGHT TURN LANE FOR WB US 62 TO NB KY 9 MOVEMENT AND PROHIBIT RIGHT TURNS FROM WB US 62 TO NB KY 9 FROM THE THROUGH MOVEMENT. ADD AN ADDITIONAL SIGNAL HEAD FOR THE NEWLY CONSTRUCTED TEMPORARY RIGHT TURN LANE.

CONSTRUCTION
 CONSTRUCT CONCRETE IN CENTER OF INTERSECTION TO FINAL GRADE AS SHOWN.

PLACE LEVELING AND WEDGING AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER TO RAMP TRAFFIC DOWN FROM CONCRETE PAVEMENT AT THE LIMITS OF CONSTRUCTION. PROVIDE A MAXIMUM TEMPORARY VERTICAL TAPER RATE OF 1":25' TO TRANSITION TRAFFIC BETWEEN PHASES THAT REQUIRE AN ELEVATION DIFFERENCE.

PHASE 2

TRAFFIC CONTROL
 MAINTAIN TRAFFIC CONTROL ON KY 9 AS DESCRIBED IN PHASE 1. SHIFT TRAFFIC RIGHT ON US 62 AND MAINTAIN TWO WAY TRAFFIC WITH MINIMUM 11' LANES. RELOCATE AND ORIENT EX. US 62 THROUGH MOVEMENT SIGNAL HEADS OVER TRAFFIC AS REQUIRED.

CONSTRUCTION
 CONSTRUCT LEFT SIDE OF PROPOSED US 62 PART WIDTH. CONSTRUCT ASPHALT SEGMENTS (FROM STA. 2+00.00 TO STA. 5+90.00 AND FROM STA. 7+85.00 TO STA. 10+35.00) TO THE FINAL BASE COURSE AND CONSTRUCT CONCRETE SEGMENT (FROM STA. 5+90.00 TO STA. 7+85.00) TO FINAL GRADE INCLUDING CURB AND GUTTER (WHERE SPECIFIED) AND DRAINAGE.

PLACE LEVELING AND WEDGING AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER TO RAMP TRAFFIC DOWN FROM CONCRETE PAVEMENT AT THE LIMITS OF CONSTRUCTION. PROVIDE A MAXIMUM TEMPORARY VERTICAL TAPER RATE OF 1":25' TO TRANSITION TRAFFIC BETWEEN PHASES THAT REQUIRE AN ELEVATION DIFFERENCE.

PHASE 2A

TRAFFIC CONTROL
 MAINTAIN TRAFFIC CONTROL ON US 62 AND SB KY 9 AS DESCRIBED IN PHASE 2. SHIFT NB KY 9 TRAFFIC LEFT AND MAINTAIN ONE MINIMUM 11' LANE. DEVELOP THE KY 9 LANE TRANSITION TAPER ON THE EAST SIDE OF THE INTERSECTION FOR 25 MPH. DESIGNATE TURN LANES THROUGH INTERSECTION WITH TEMPORARY 3' WHITE STRIPES WITH 6' SPACING AS SHOWN. RELOCATE AND ORIENT EX. NB KY 9 THROUGH MOVEMENT SIGNAL HEADS OVER TRAFFIC AS REQUIRED. ADJUST LOCATIONS OF TEMPORARY STOP BARS TO ACCOMMODATE TURNING RADIUS.

CONSTRUCTION
 CONSTRUCT CONCRETE IN CENTER OF INTERSECTION TO FINAL GRADE AS SHOWN.

PLACE LEVELING AND WEDGING AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER TO RAMP TRAFFIC DOWN FROM CONCRETE PAVEMENT AT THE LIMITS OF CONSTRUCTION. PROVIDE A MAXIMUM TEMPORARY VERTICAL TAPER RATE OF 1":25' TO TRANSITION TRAFFIC BETWEEN PHASES THAT REQUIRE AN ELEVATION DIFFERENCE.

PHASE 3

TRAFFIC CONTROL
 MAINTAIN TRAFFIC CONTROL ON US 62 AND NB KY 9 AS DESCRIBED IN PHASE 2A. SHIFT SB KY 9 TRAFFIC LEFT AND MAINTAIN TWO WAY TRAFFIC WITH MINIMUM 11' LANE. RELOCATE AND ORIENT EX. SB KY 9 THROUGH MOVEMENT SIGNAL HEADS OVER TRAFFIC AS REQUIRED.

CONSTRUCTION
 CONSTRUCT RIGHT SIDE OF PROPOSED KY 9 PART WIDTH. TO FINAL GRADE INCLUDING CURB AND GUTTER (WHERE SPECIFIED) AND DRAINAGE.

PLACE LEVELING AND WEDGING AS NEEDED AND/OR AS DIRECTED BY THE ENGINEER TO RAMP TRAFFIC DOWN FROM CONCRETE PAVEMENT AT THE LIMITS OF CONSTRUCTION. PROVIDE A MAXIMUM TEMPORARY VERTICAL TAPER RATE OF 1":25' TO TRANSITION TRAFFIC BETWEEN PHASES THAT REQUIRE AN ELEVATION DIFFERENCE.

PHASE 3A

TRAFFIC CONTROL
 MAINTAIN TRAFFIC CONTROL ON KY 9 AS DESCRIBED IN PHASE 3 EXCEPT: CONSTRUCT RIGHT TURN LANE FOR SB KY 9 TO WB US 62 MOVEMENT AND PROHIBIT RIGHT TURNS FROM SB KY 9 TO WB US 62 FROM THE THROUGH MOVEMENT. ADD AN ADDITIONAL SIGNAL HEAD FOR THE NEWLY CONSTRUCTED TEMPORARY RIGHT TURN LANE.

SHIFT TRAFFIC LEFT ON US 62 AND MAINTAIN TWO WAY TRAFFIC WITH MINIMUM 11' LANES. RELOCATE AND ORIENT EX. THROUGH MOVEMENT SIGNAL HEADS OVER TRAFFIC AS REQUIRED.

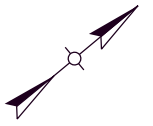
CONSTRUCTION
 CONSTRUCT CONCRETE IN CENTER OF INTERSECTION TO FINAL GRADE AS SHOWN.

PHASE 4

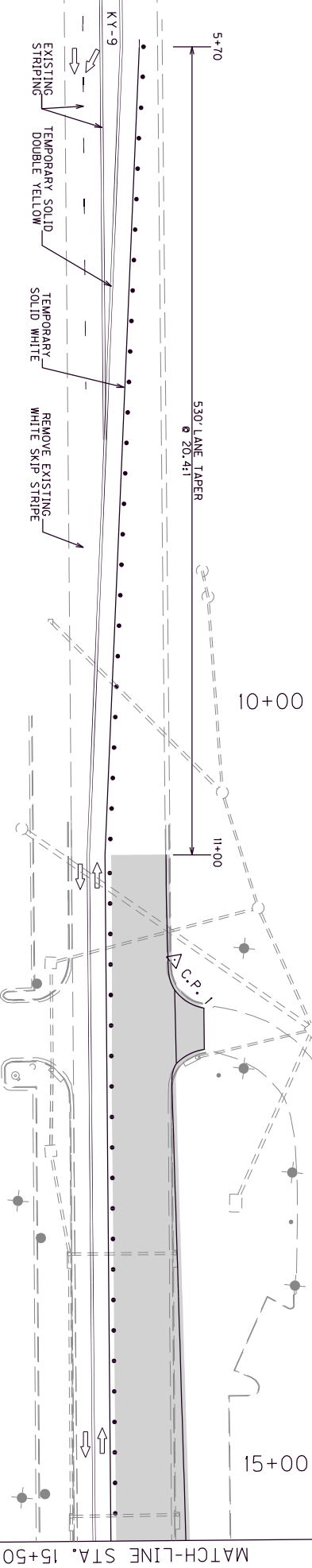
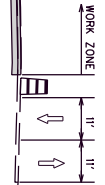
PLACE TRAFFIC IN FINAL PATTERN ON ALL ROADS.

COMPLETE FINAL SURFACING, PAVEMENT MARKINGS, PERMANENT SIGNS, AND PROJECT CLEAN UP UNDER TRAFFIC.

MOT PROJECT PHASING NOTES



KY 9 TRAFFIC - PHASE 1
STA. 11+00 TO STA. 15+50



LEGEND

- DIRECTION OF TRAFFIC
- CONSTRUCTION THIS PHASE
- T.C.D. (DRUMS)

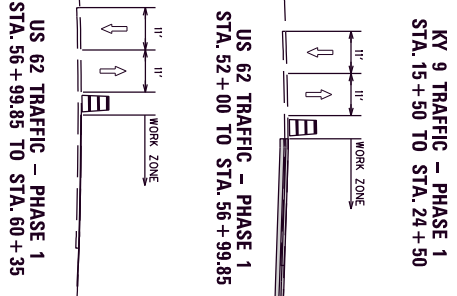
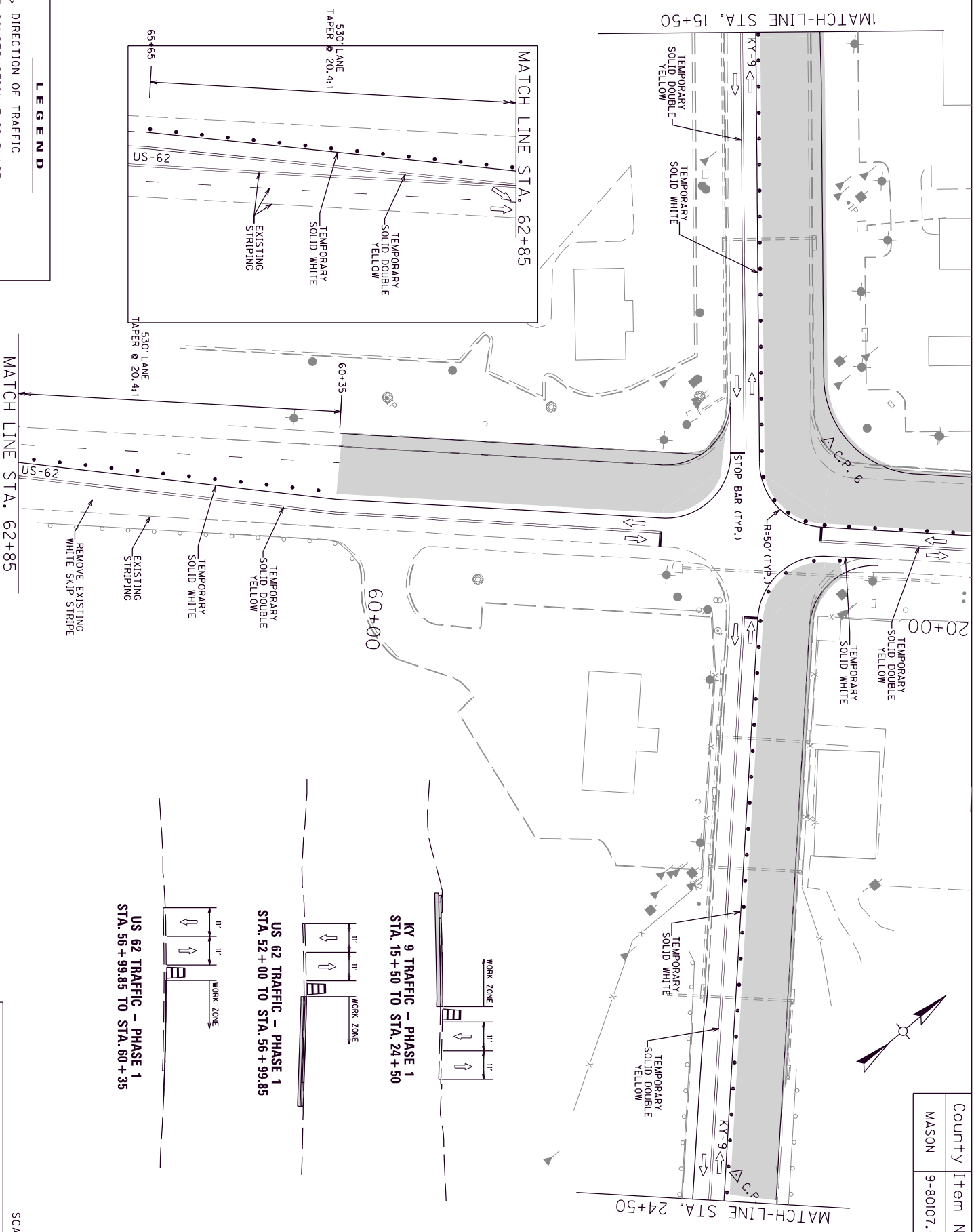
SCALE: 1" = 100'

MOT PHASE 1
KY 9
STA. 11+00 TO STA. 15+50

County	Item No.	Sheet
MASON	9-80107.00	33

LEGEND

- DIRECTION OF TRAFFIC
- CONSTRUCTION THIS PHASE
- T.C.D. (DRUMS)

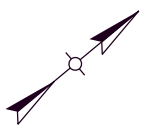


MOT PHASE 1
KY 9
STA. 15+50 TO STA. 24+50

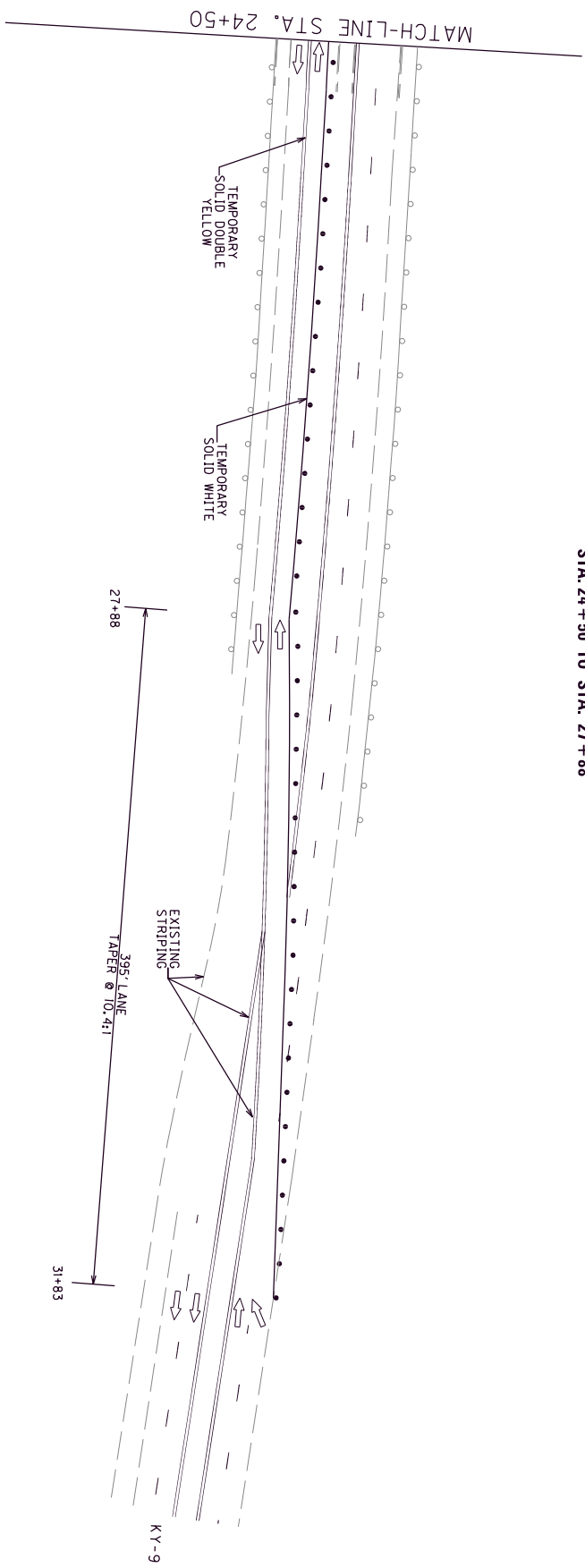
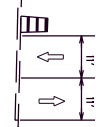
SCALE: 1" = 100'

County	Item No.	Sheet
MASON	9-80107.00	34

County	Item No.	Sheet
MASON	9-80107.00	35



KY 9 TRAFFIC - PHASE 1
STA. 24+50 TO STA. 27+88

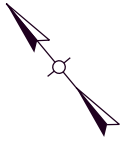


LEGEND

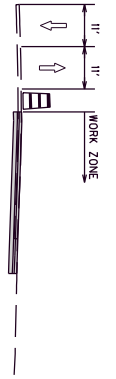
DIRECTION OF TRAFFIC
 CONSTRUCTION THIS PHASE
 T.C.D. (DRUMS)

SCALE: 1" = 100'

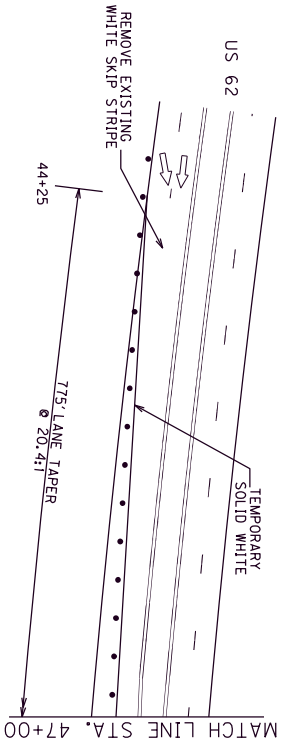
MOT PHASE 1
KY 9



US 62 TRAFFIC - PHASE 1
STA. 52+00 TO STA. 56+99.85



MATCH LINE STA. 47+00



775' LANE TAPER @ 20:4:1

50+00

52+00

- LEGEND**
- DIRECTION OF TRAFFIC
 - CONSTRUCTION THIS PHASE
 - T.C.D. (DRUMS)

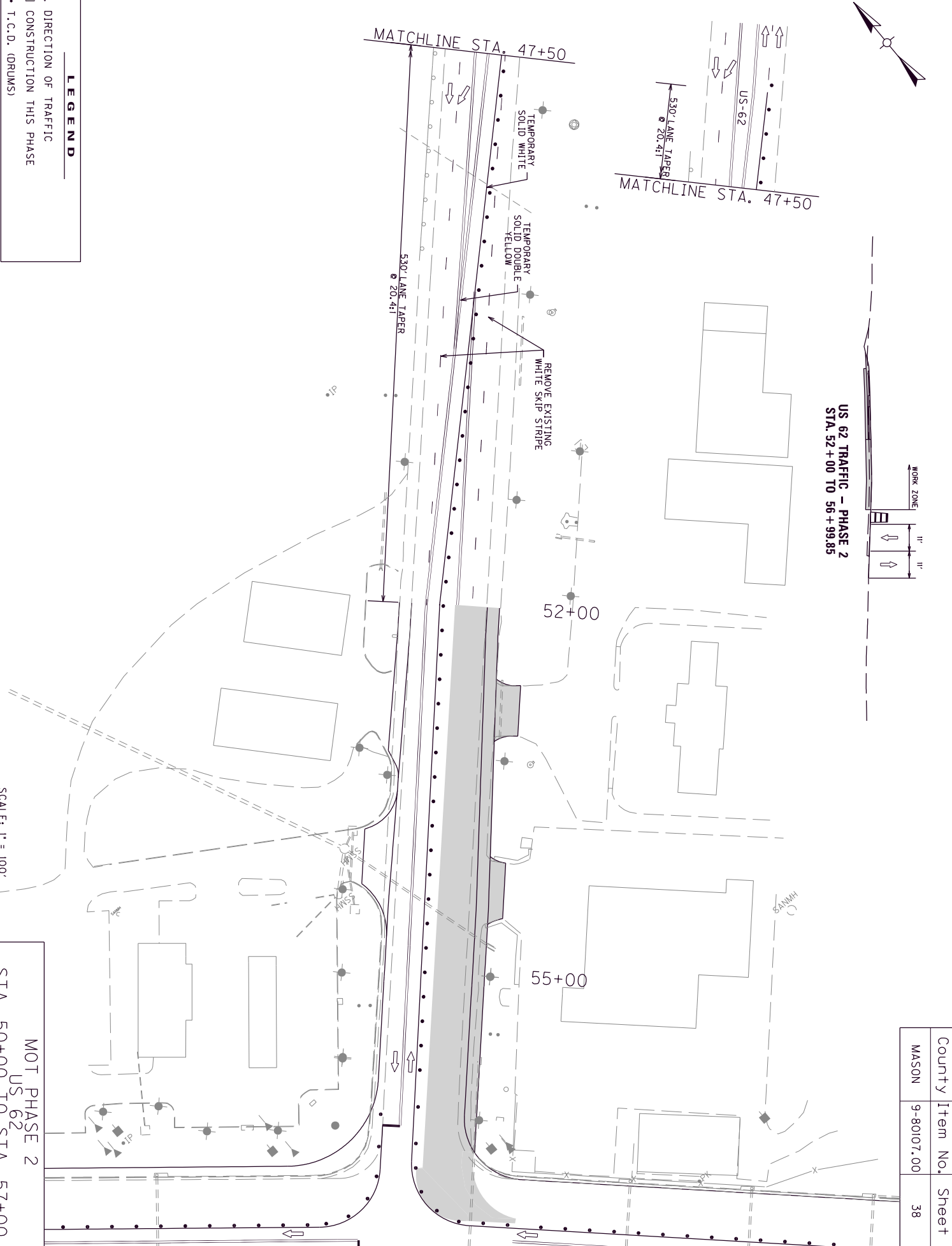
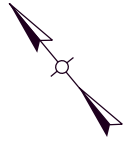
SCALE: 1" = 100'

MOT PHASE 1
US 62
STA. 52+00 TO STA. 56+75

County	Item No.	Sheet
MASON	9-80107.00	36

LEGEND

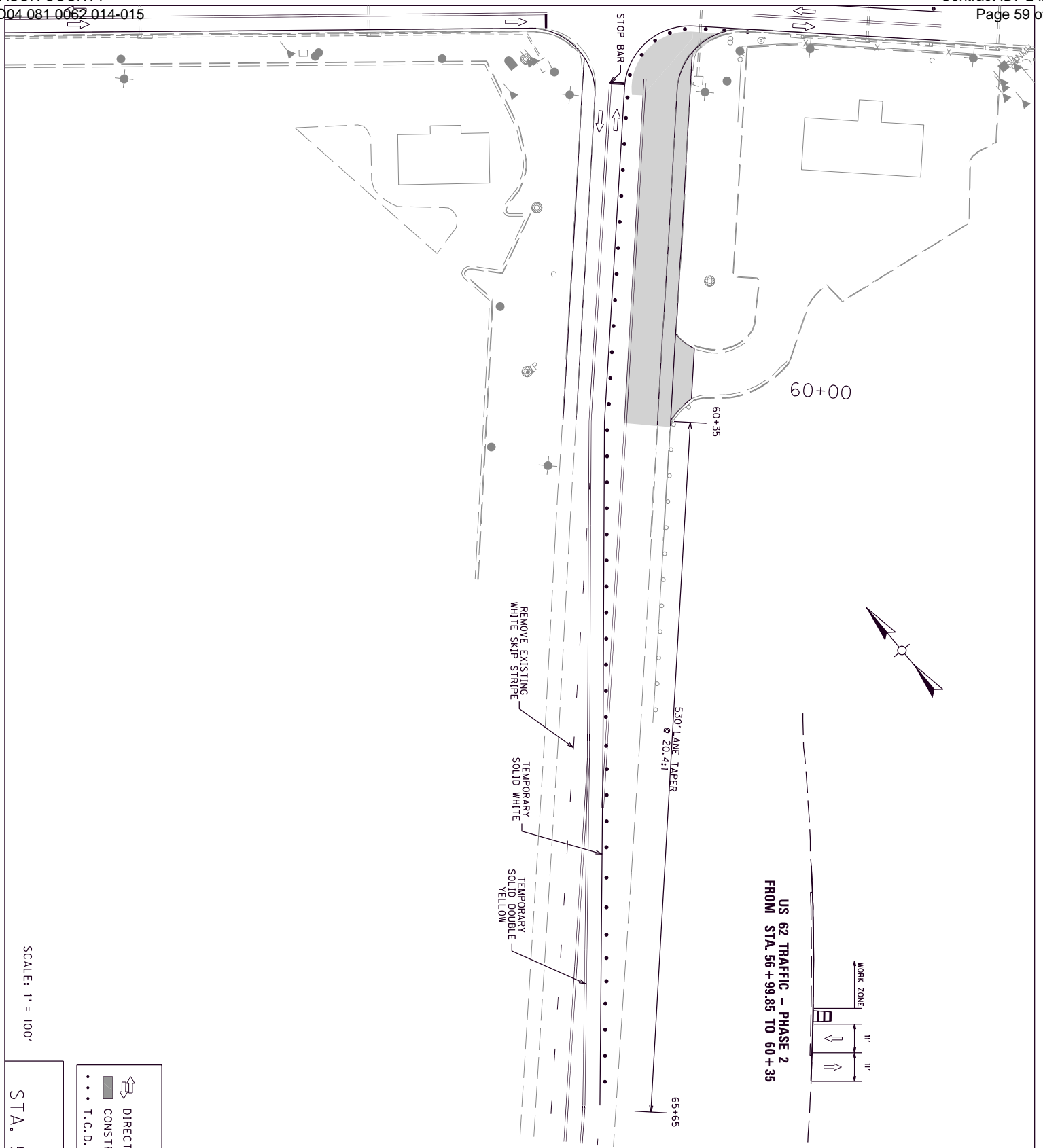
-  DIRECTION OF TRAFFIC
-  CONSTRUCTION THIS PHASE
-  T.C.D. (DRUMS)



County	Item No.	Sheet
MASON	9-80107.00	38

MOT PHASE 2
US 62
STA. 50+00 TO STA. 57+00

SCALE: 1" = 100'



US 62 TRAFFIC - PHASE 2
 FROM STA. 56 + 99.85 TO 60 + 35

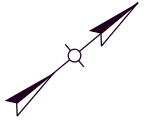
County	Item No.	Sheet
MASON	9-80107.00	39

LEGEND

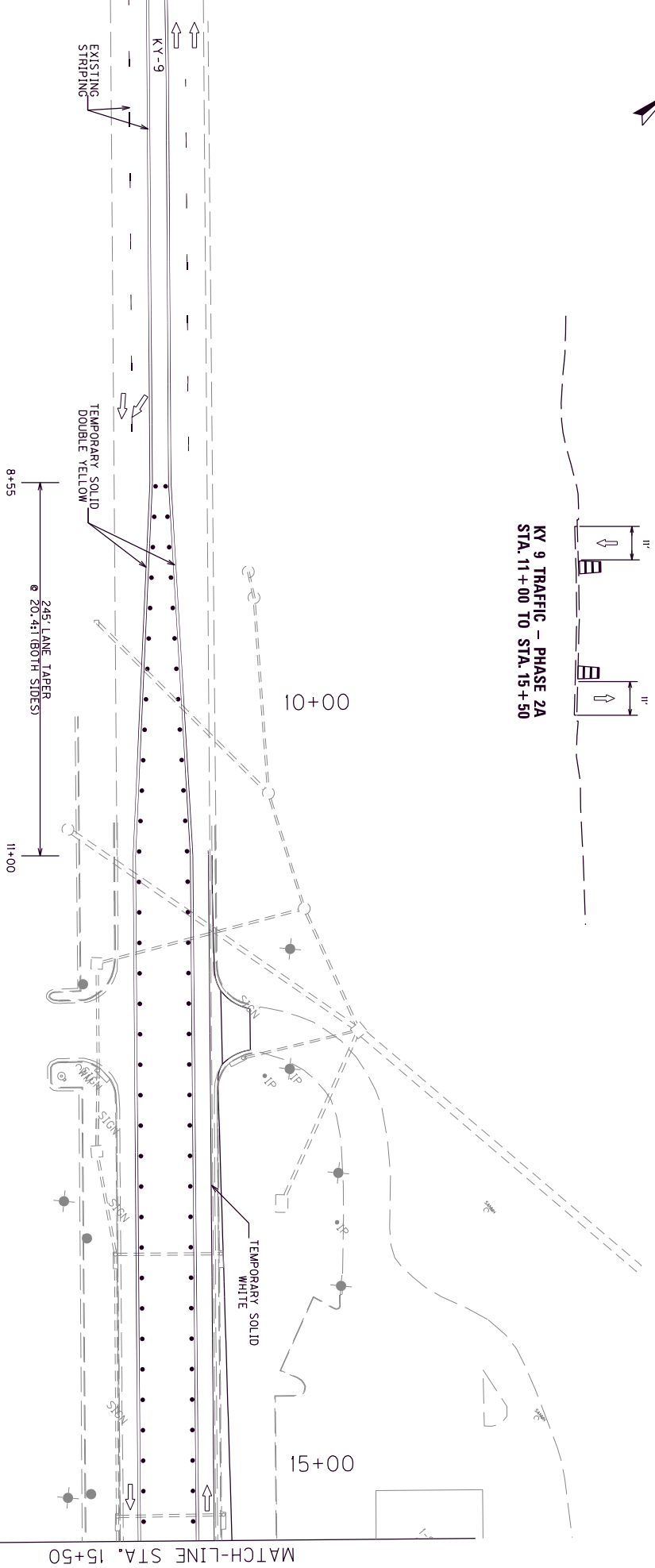
- DIRECTION OF TRAFFIC
- CONSTRUCTION THIS PHASE
- T.C.D. (DRUMS)

SCALE: 1" = 100'

MOT PHASE 2
 US 62
 STA. 57+00 TO STA. 65+65



KY 9 TRAFFIC - PHASE 2A
STA. 11+00 TO STA. 15+50



LEGEND

- DIRECTION OF TRAFFIC
- CONSTRUCTION THIS PHASE
- T.C.D. (DRUMS)

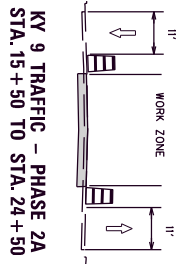
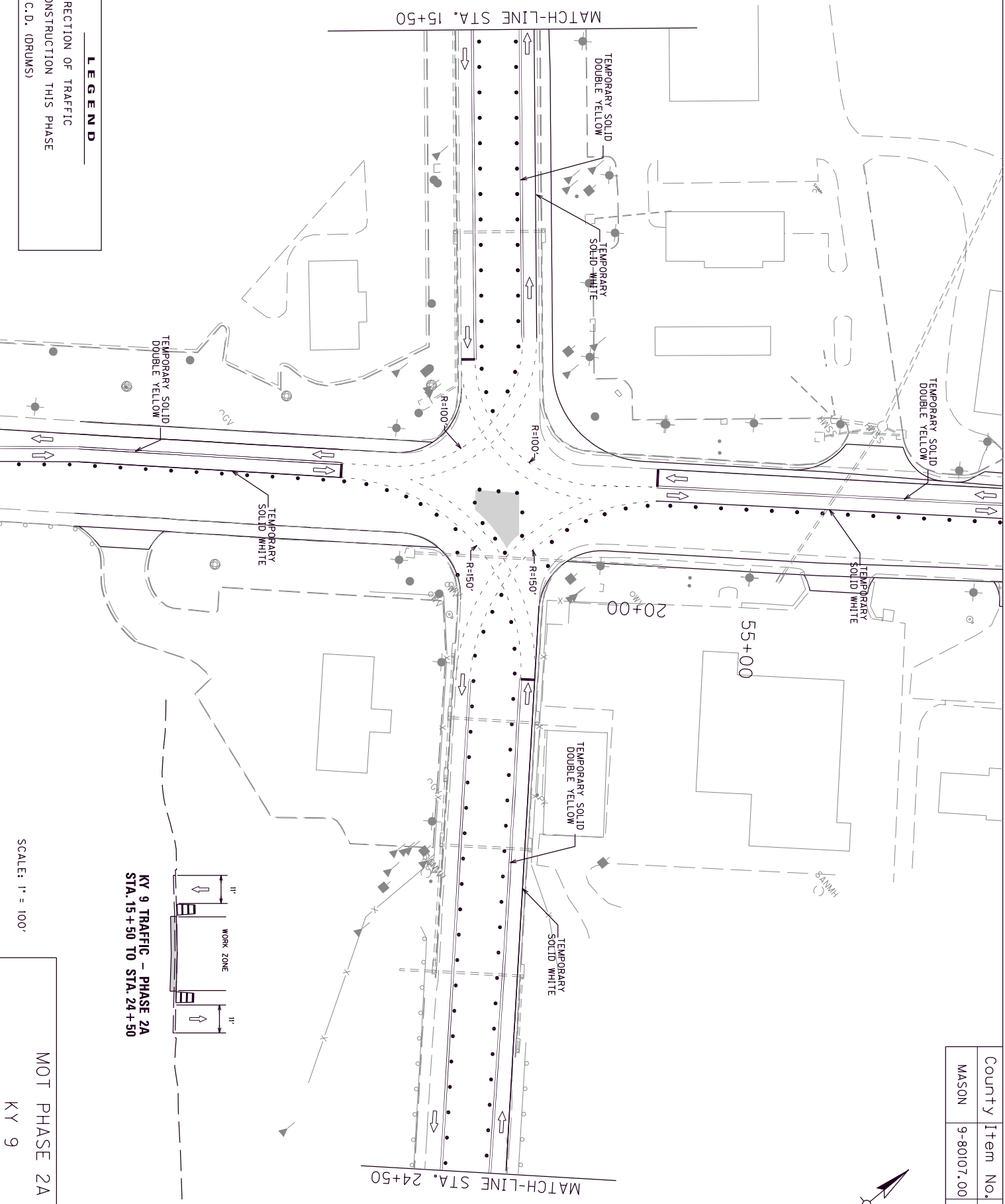
SCALE: 1" = 100'

MOT PHASE 2A
KY 9

County	Item No.	Sheet
MASON	9-80107.00	40

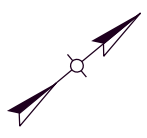
LEGEND

-  DIRECTION OF TRAFFIC
-  CONSTRUCTION THIS PHASE
-  T.C.D. (DRUMS)





SCALE: 1" = 100'

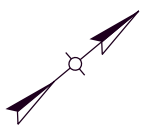
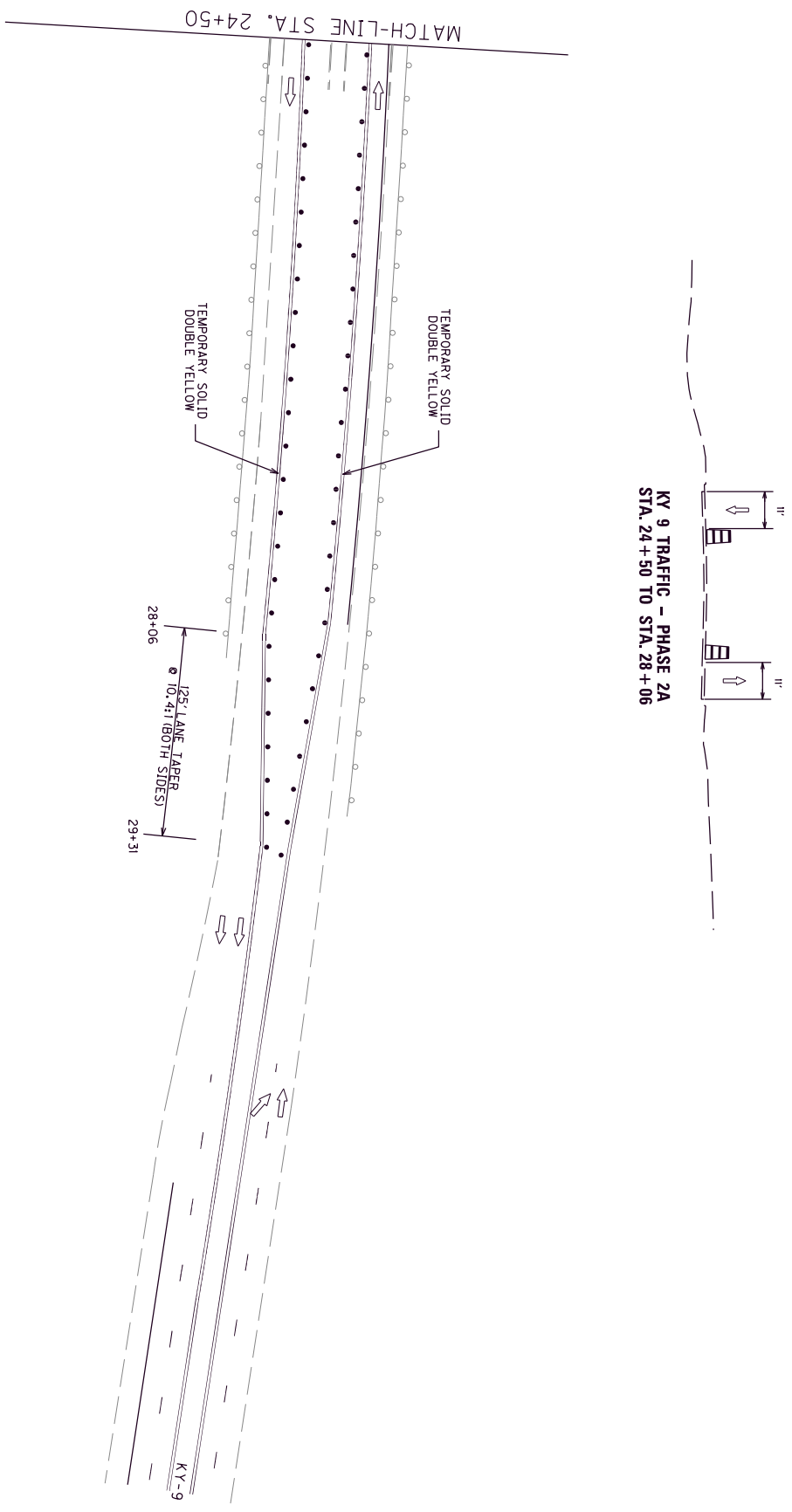
MOT PHASE 2A
KY 9



County	Item No.	Sheet
MASON	9-80107.00	41

LEGEND

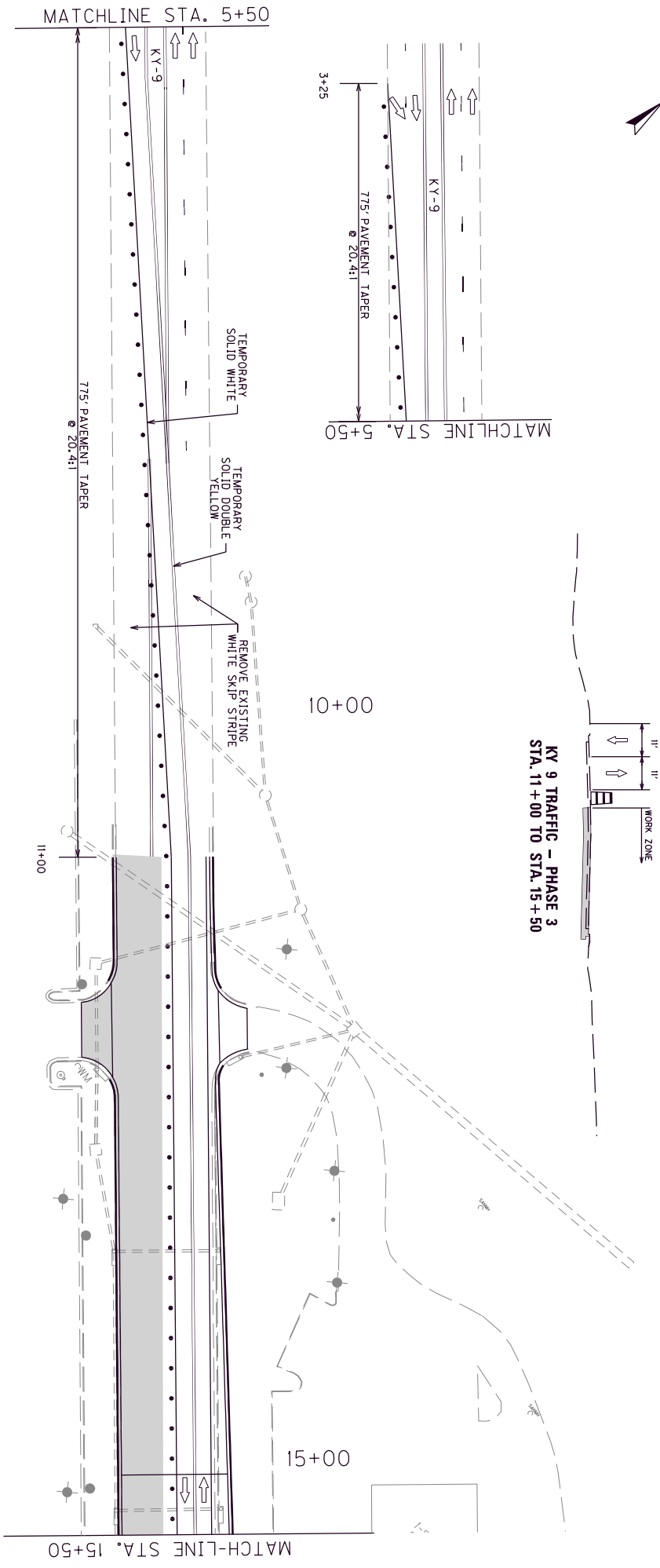
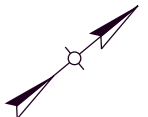
-  DIRECTION OF TRAFFIC
-  CONSTRUCTION THIS PHASE
-  T.C.D. (DRUMS)



County	Item No.	Sheet
MASON	9-80107.00	42

SCALE: 1" = 100'

MOT PHASE 2A
KY 9



KY 9 TRAFFIC - PHASE 3
STA. 11+00 TO STA. 15+50

LEGEND

- DIRECTION OF TRAFFIC
- CONSTRUCTION THIS PHASE
- T.C.D. (DRUMS)

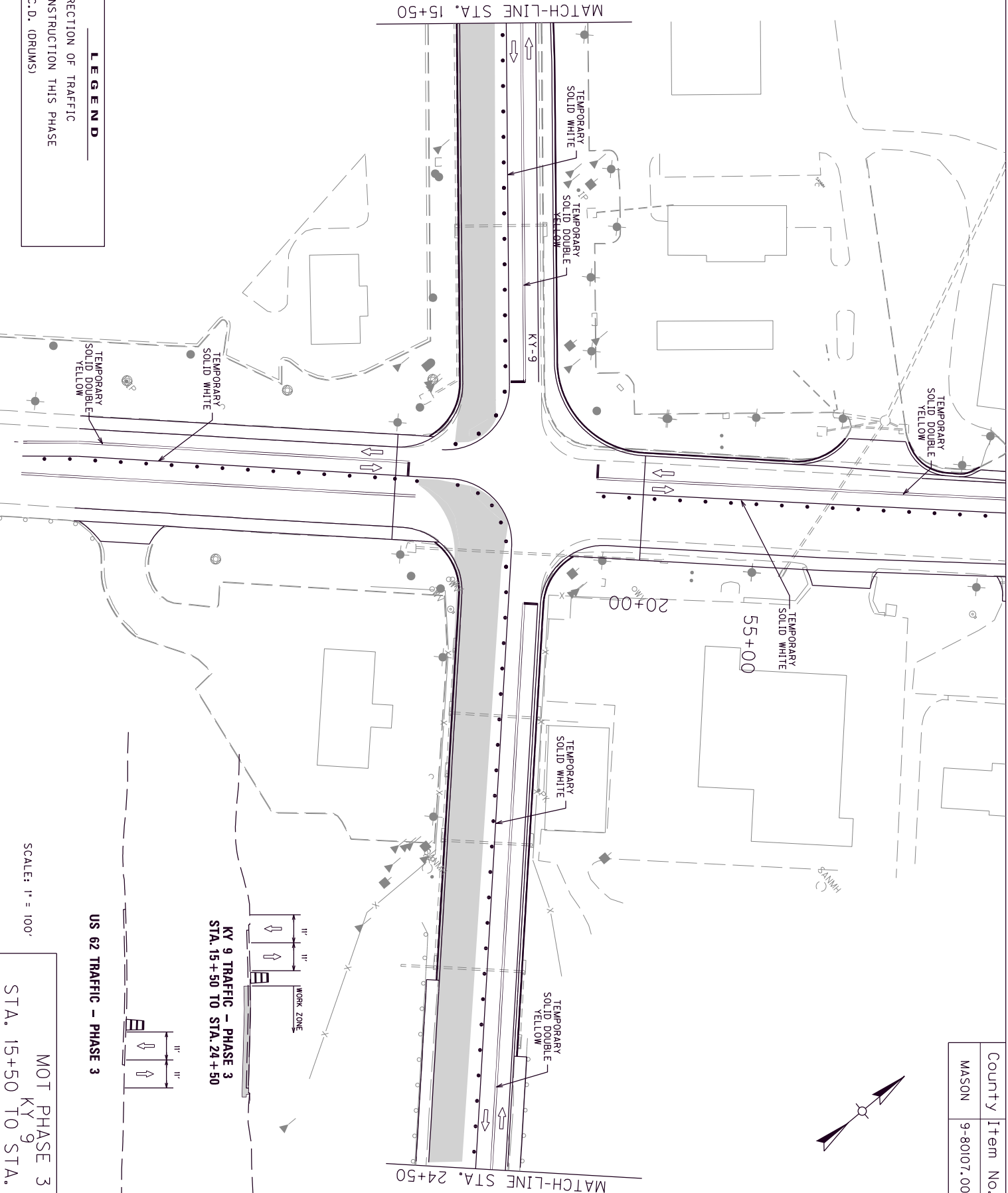
SCALE: 1" = 100'

MOT PHASE 3
KY 9
STA. 11+00 TO STA. 15+50


County	Item No.	Sheet
MASON	9-80107.00	43

LEGEND

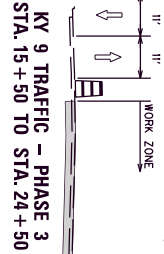
 DIRECTION OF TRAFFIC
 CONSTRUCTION THIS PHASE
 T.C.D. (DRUMS)



US 62 TRAFFIC - PHASE 3



KY 9 TRAFFIC - PHASE 3
STA. 15+50 TO STA. 24+50



WORK ZONE

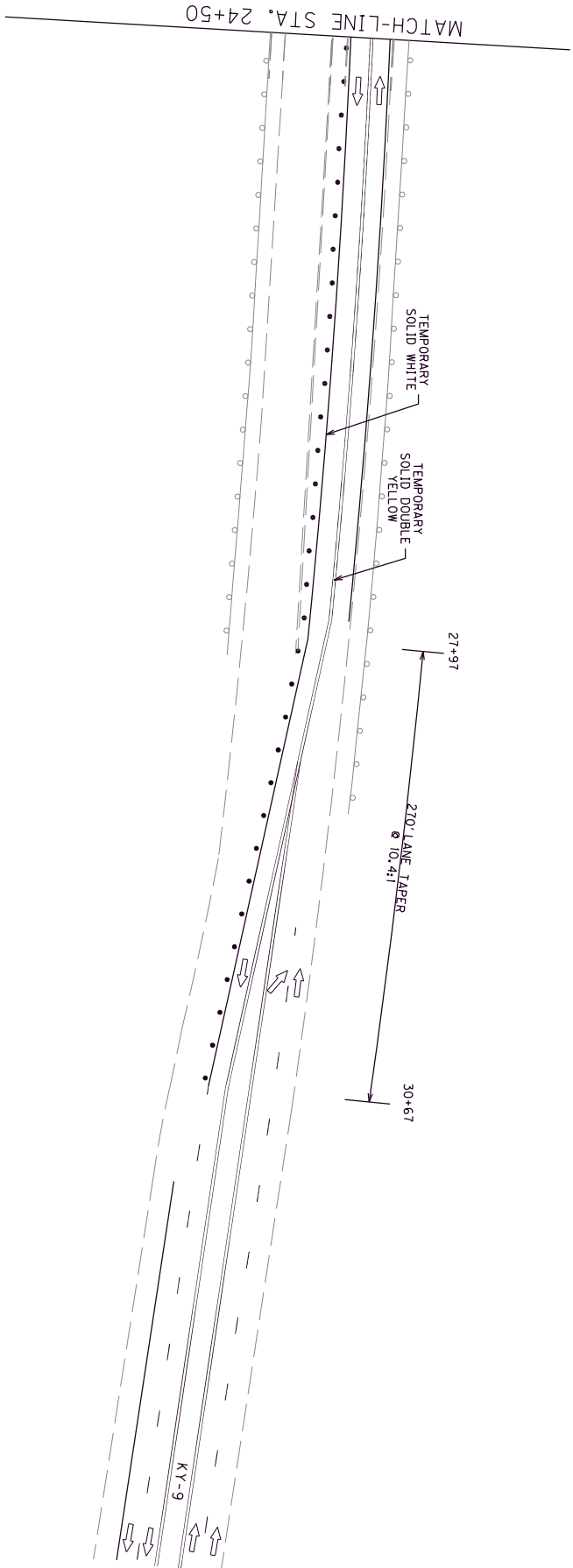
SCALE: 1" = 100'

MOT PHASE 3
KY 9
STA. 15+50 TO STA. 24+50

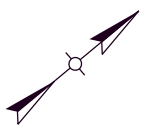
County	Item No.	Sheet
MASON	9-80107.00	44

LEGEND

 DIRECTION OF TRAFFIC
 CONSTRUCTION THIS PHASE
 T.C.D. (DRUMS)



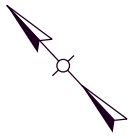
KY 9 TRAFFIC - PHASE 3
STA. 24+50 TO STA. 27+97



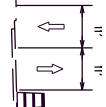
County	Item No.	Sheet
MASON	9-80107.00	45

SCALE: 1" = 100'

MOT PHASE 3
KY 9
STA. 24+50 TO END



US 62 TRAFFIC - PHASE 3A
FROM STA. 52+00 TO 54+00



50+00

44+25

775' LANE TAPER
@ 20:4:1

52+00

MATCH LINE 54+00

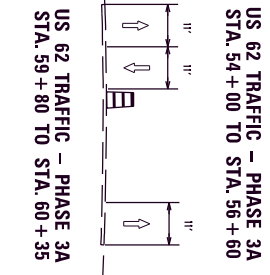
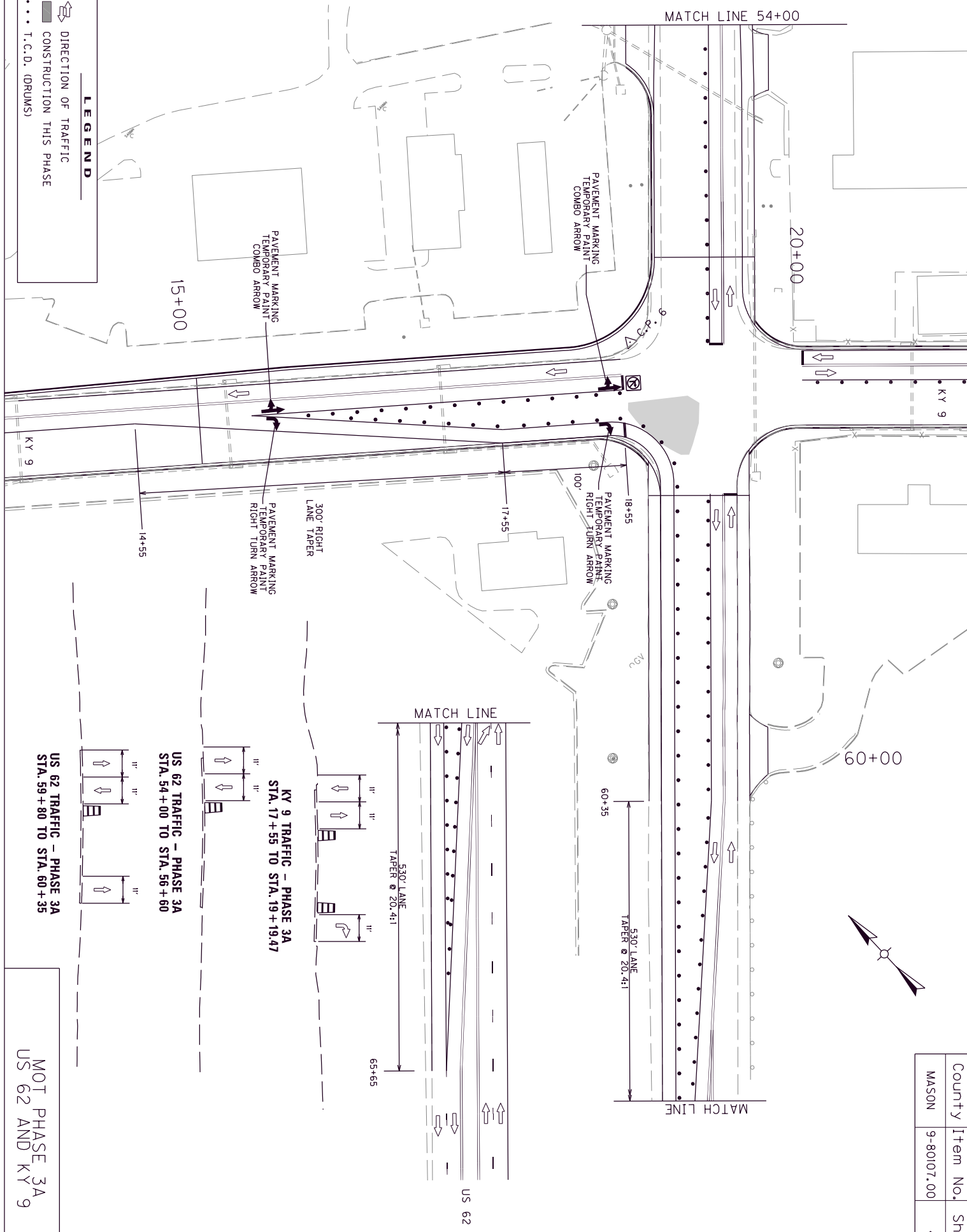
LEGEND
→ DIRECTION OF TRAFFIC
■ CONSTRUCTION THIS PHASE
..... T.C.D. (DRUMS)

MOT PHASE 3A
US 62

County	Item No.	Sheet
MASON	9-80107.00	46

LEGEND

-  DIRECTION OF TRAFFIC
-  CONSTRUCTION THIS PHASE
-  T.C.D. (DRUMS)



MOT PHASE 3A
US 62 AND KY 9

County	Item No.	Sheet
MASON	9-80107.00	47

POINT DISCHARGE
DRAINAGE AREA 0.122 ACRES
DDA 2

POINT DISCHARGE
DRAINAGE AREA 1.892 ACRES
DDA 6

POINT DISCHARGE
DRAINAGE AREA 0.113 ACRES
DDA 5

POINT DISCHARGE
DRAINAGE AREA 0.613 ACRES
DDA 4

POINT DISCHARGE
DRAINAGE AREA 0.129 ACRES
DDA 3

DDA #1

DDA #2

DDA #3

DDA #4

DDA #5

DDA #6

DDA #7

DDA #8

1-S BRICK
SHEDS
(CLOSED)

1-S BRICK
SPEEDWAY

AS PUMPS

MATCHLINE STA. 55+08.69

MATCHLINE STA. 20+16.58

EROSION CONTROL LEGEND

- SILT TRAP TYPE A ALTERNATE 1
- SILT TRAP TYPE A ALTERNATE 2
- SILT TRAP TYPE B
- SILT TRAP TYPE C
- SILT FENCE
- TEMPORARY SILT DITCH
- DISTURBED DRAINAGE AREA
- OVERLAND SHEET FLOW
- PROPOSED R/W
- PROPOSED EASEMENT

FOR EROSION CONTROL ONLY

DISTURBED DRAINAGE AREAS

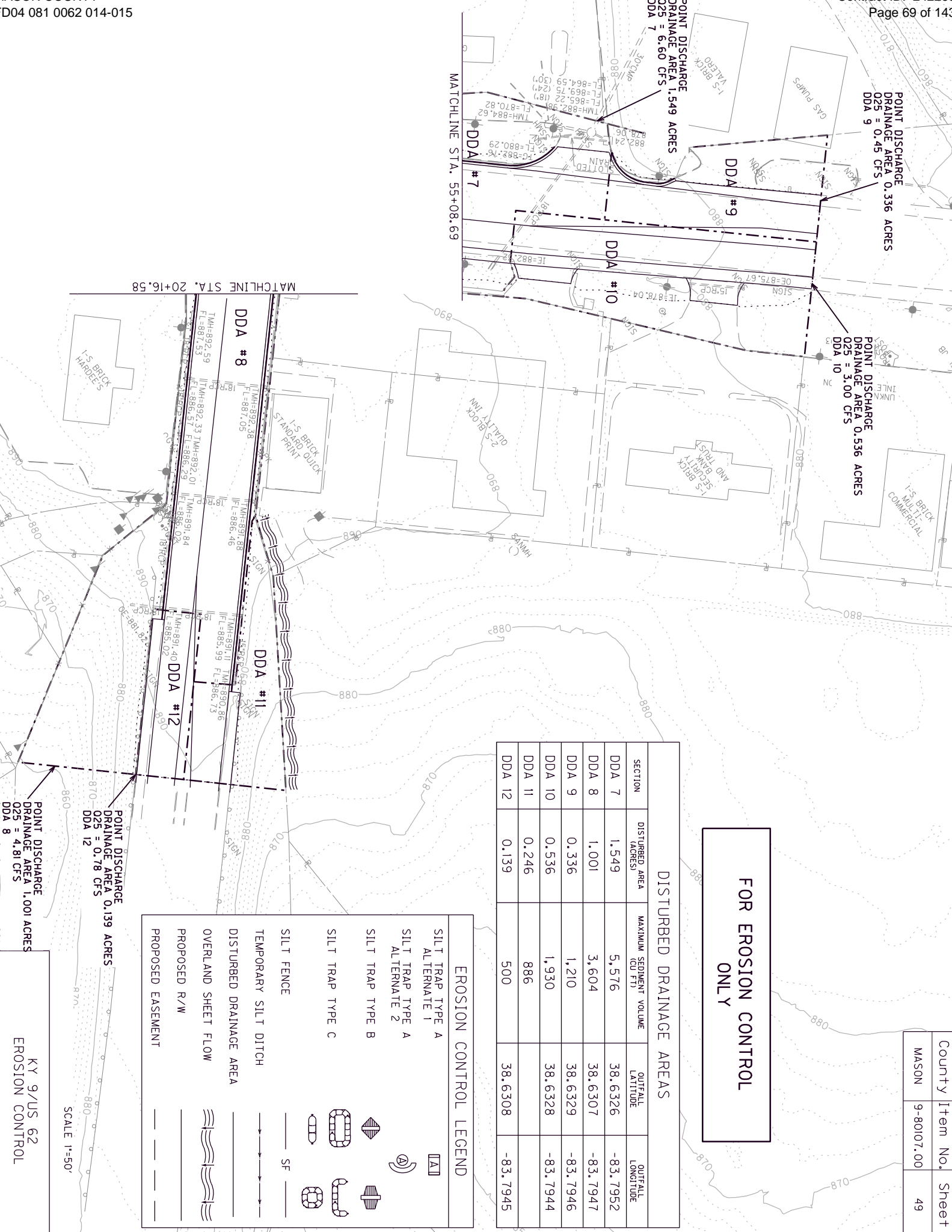
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 1	0.150	540	38.6334	-83.7978
DDA 2	0.122	439	38.6333	-83.7980
DDA 3	0.129	464	38.6332	-83.7972
DDA 4	0.613	2,207	38.6333	-83.7974
DDA 5	0.113	407	38.6335	-83.7975
DDA 6	1.892	6,811	38.6326	-83.7952
DDA 7	1.549	5,576	38.6307	-83.7947
DDA 8	1.001	3,604		

910

SCALE 1"=50'

KY 9/US 62
EROSION CONTROL

County	Item No.	Sheet
MASON	9-80107.00	48



FOR EROSION CONTROL ONLY

DISTURBED DRAINAGE AREAS				
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)	OUTFALL LATITUDE	OUTFALL LONGITUDE
DDA 7	1,549	5,576	38.6326	-83.7952
DDA 8	1,001	3,604	38.6307	-83.7947
DDA 9	0,336	1,210	38.6329	-83.7946
DDA 10	0,536	1,930	38.6328	-83.7944
DDA 11	0,246	886		
DDA 12	0,139	500	38.6308	-83.7945

EROSION CONTROL LEGEND	
SILT TRAP TYPE A ALTERNATE 1	
SILT TRAP TYPE A ALTERNATE 2	
SILT TRAP TYPE B	
SILT TRAP TYPE C	
SILT FENCE	
TEMPORARY SILT DITCH	
DISTURBED DRAINAGE AREA	
OVERLAND SHEET FLOW	
PROPOSED R/W	
PROPOSED EASEMENT	

POINT DISCHARGE DRAINAGE AREA 1.549 ACRES
DDA 7
025 = 6.60 CFS

POINT DISCHARGE DRAINAGE AREA 0.336 ACRES
DDA 9
025 = 0.45 CFS

POINT DISCHARGE DRAINAGE AREA 0.536 ACRES
DDA 10
025 = 3.00 CFS

POINT DISCHARGE DRAINAGE AREA 1.001 ACRES
DDA 8
025 = 4.81 CFS

POINT DISCHARGE DRAINAGE AREA 0.139 ACRES
DDA 12
025 = 0.78 CFS

POINT DISCHARGE DRAINAGE AREA 1.001 ACRES
DDA 8
025 = 4.81 CFS

SCALE 1"=50'

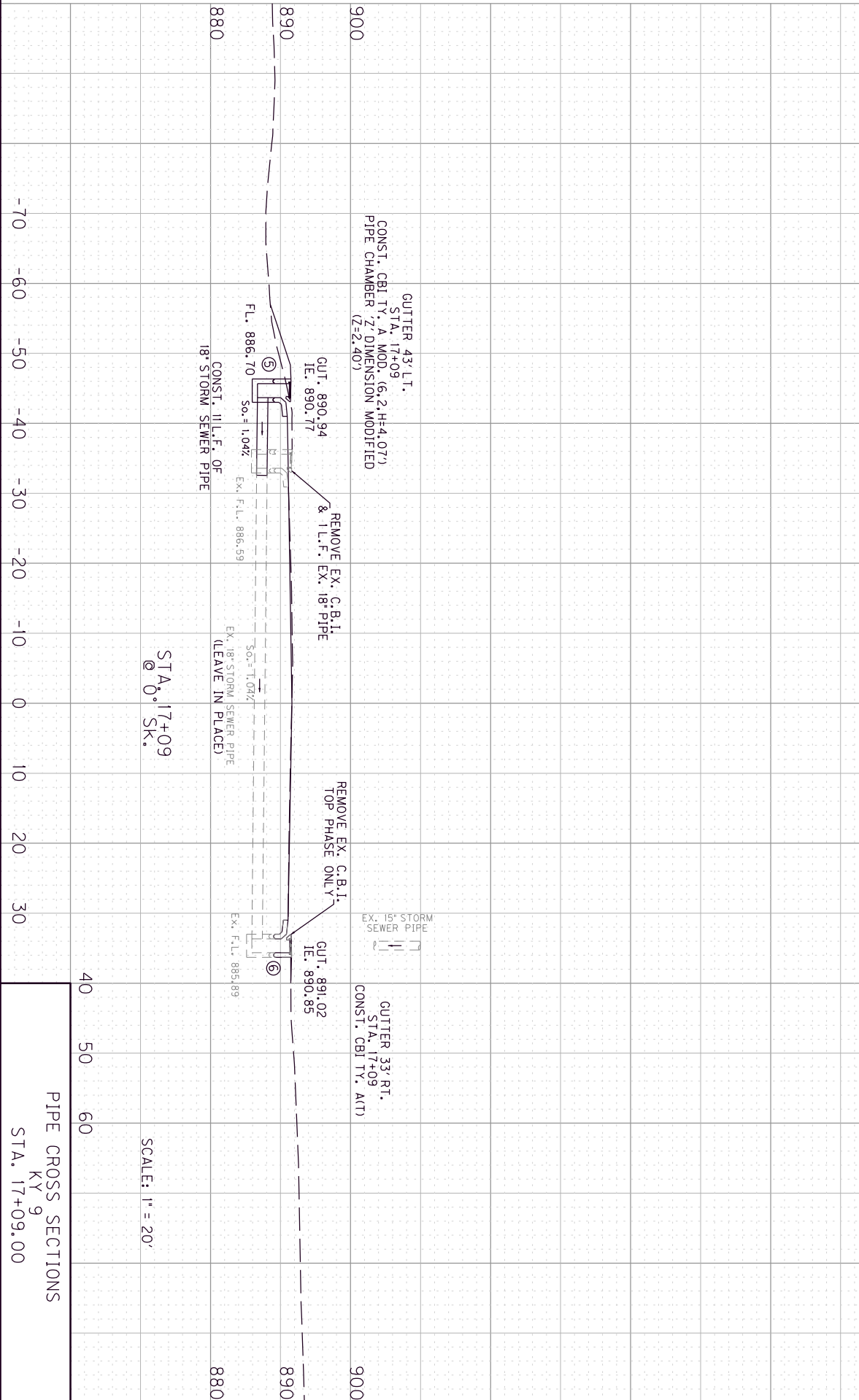
KY 9/US 62
EROSION CONTROL

E-SHEET NAME: USER: jtomlinson
DATE PLOTTED: June 7, 2024

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
MASON	9-80107.00	50

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	STORM SEWER PIPE						ENTRANCE PIPE						CURB BOX INLET TYPE A MODIFIED	CURB BOX INLET TYPE A TOP PHASE				
		15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"							
FT																			
2.80	-	-	11	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-



STA. 17+09
@ 0' Sk.

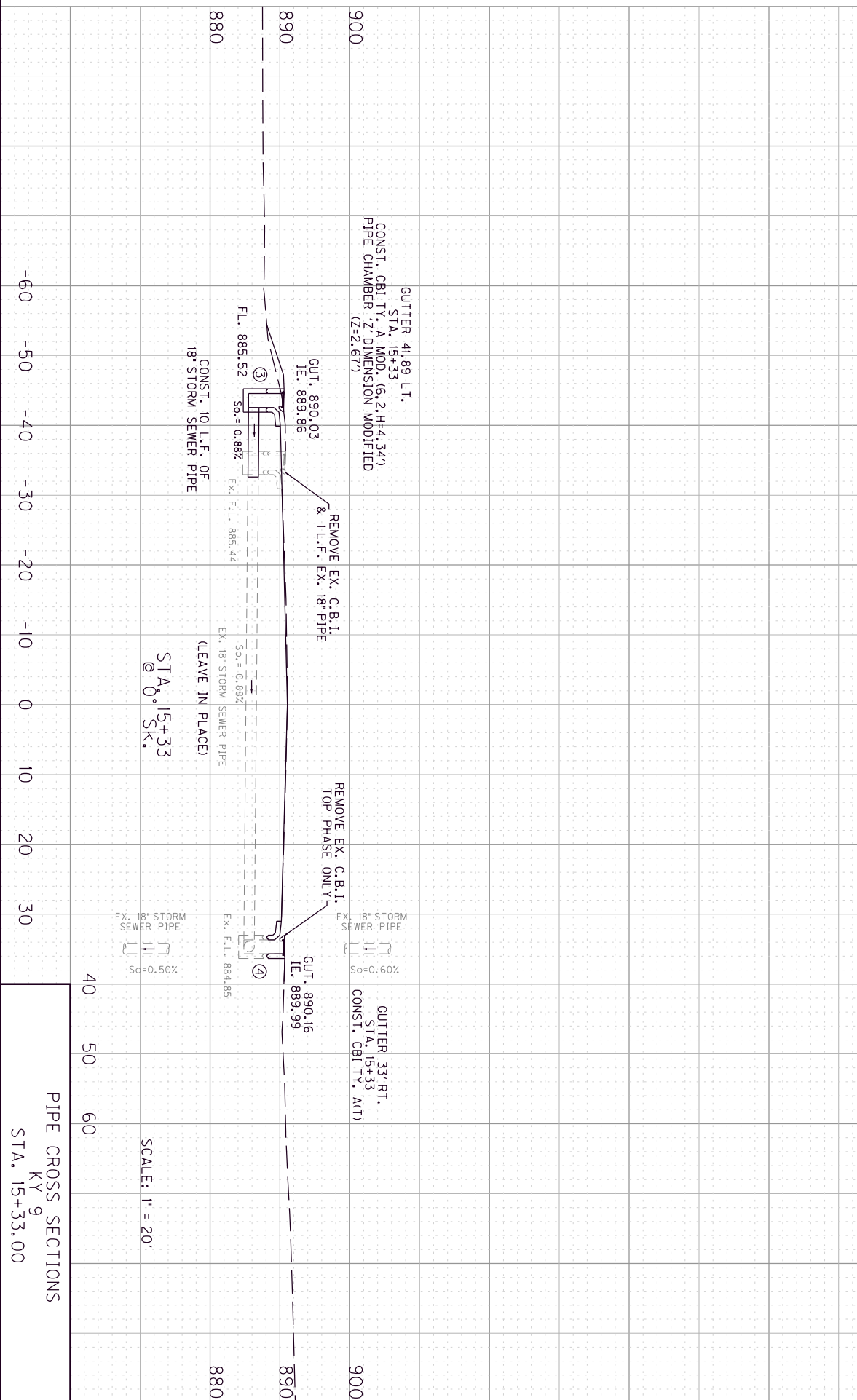
SCALE: 1" = 20'

PIPE CROSS SECTIONS
KY 9
STA. 17+09.00

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
MASON	9-80107.00	51

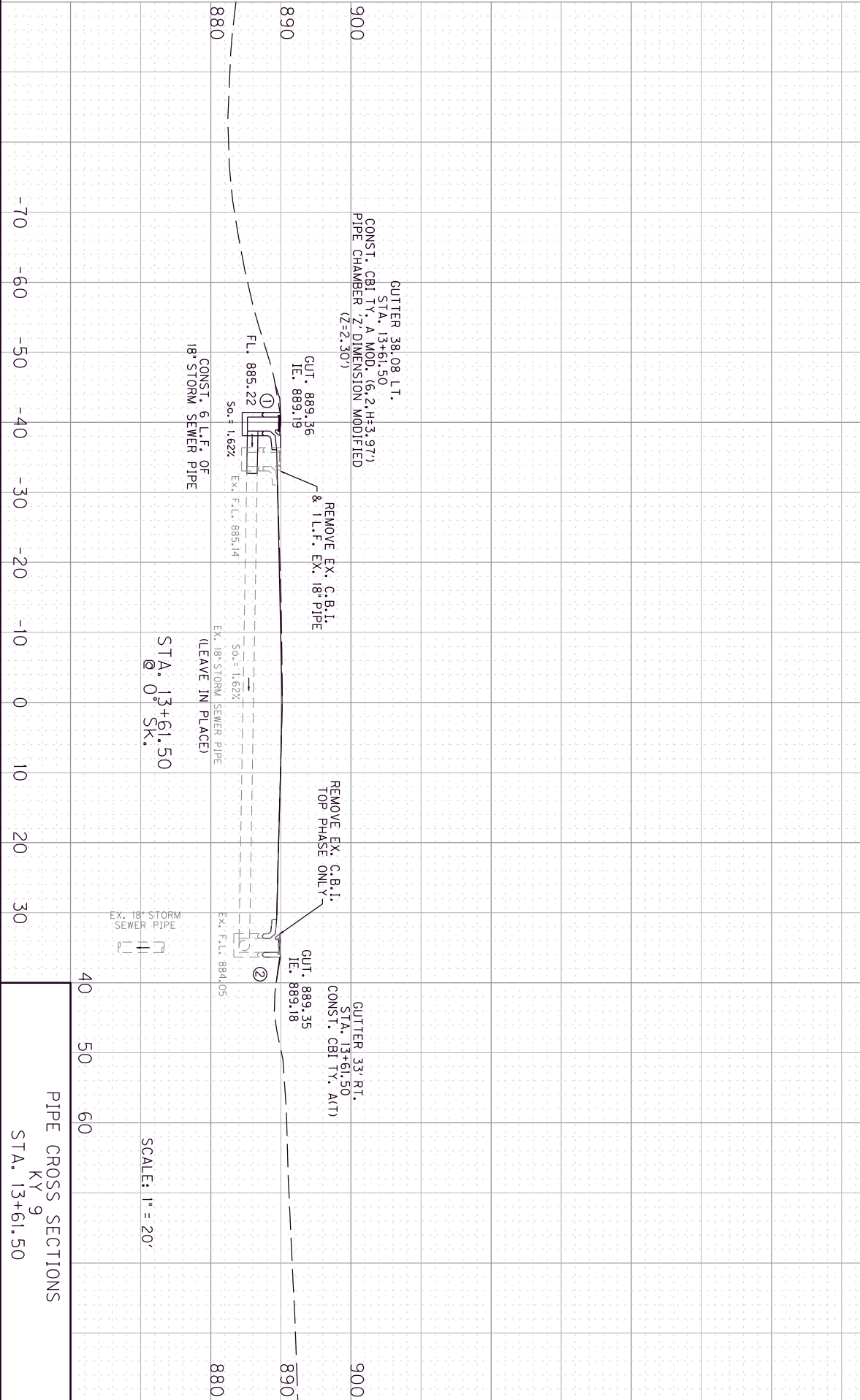
MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	STORM SEWER PIPE						ENTRANCE PIPE						CURB BOX INLET TYPE A MODIFIED	CURB BOX INLET TYPE A TOP PHASE				
		15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"							
3.08	-	-	10	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-



PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
MASON	9-80107.00	52

MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	STORM SEWER PIPE						ENTRANCE PIPE						CURB BOX INLET TYPE A MODIFIED	CURB BOX INLET TYPE A TOP PHASE				
		15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"							
FT																			
3.08	-	-	6	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-



STA. 13+61.50
@ 0' Sk.

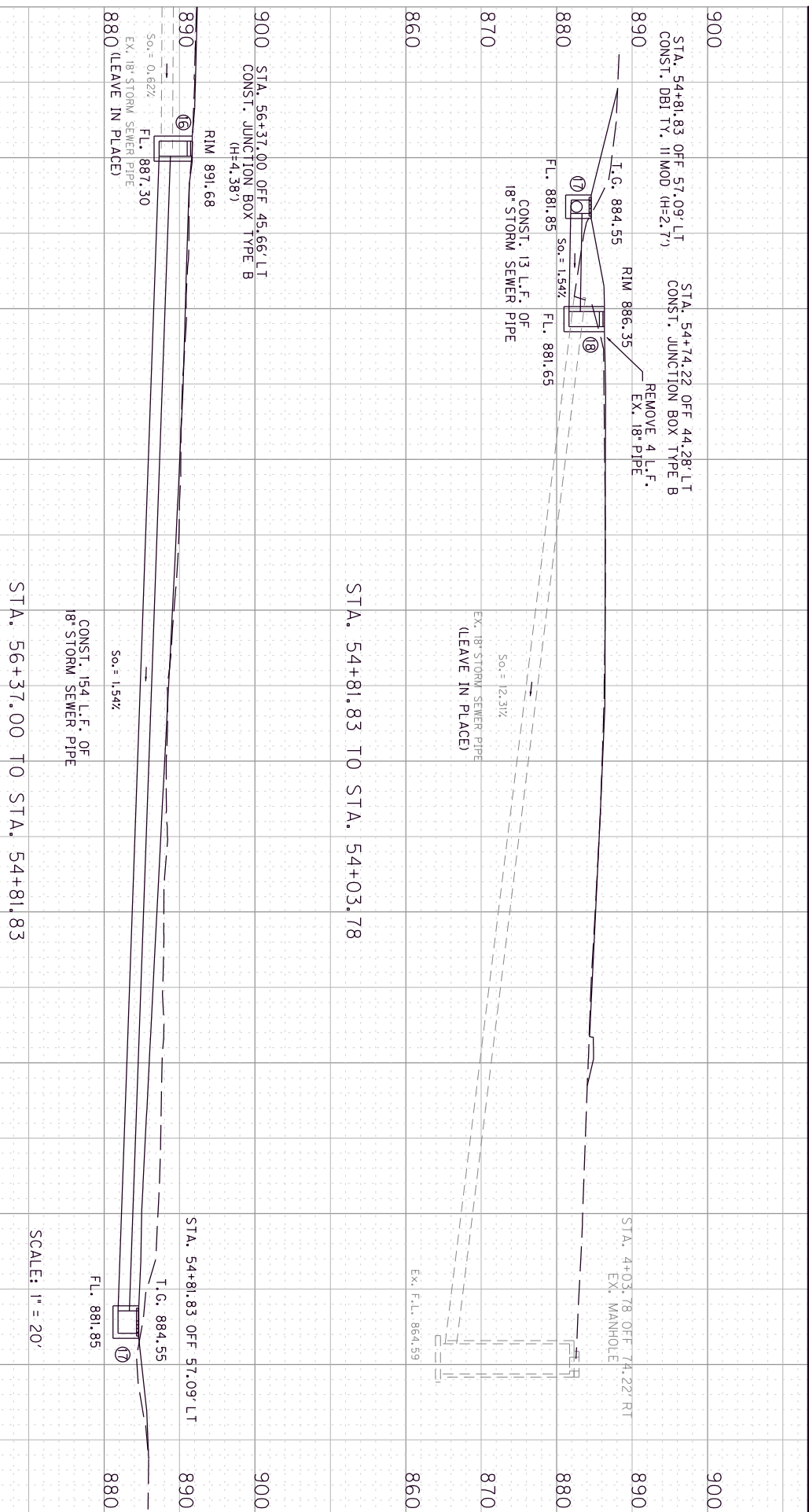
SCALE: 1" = 20'

PIPE CROSS SECTIONS
KY 9
STA. 13+61.50

PIPE DRAINAGE SHEET

COUNTY OF	ITEM NO.	SHEET NO.
MASON	9-80107.00	53

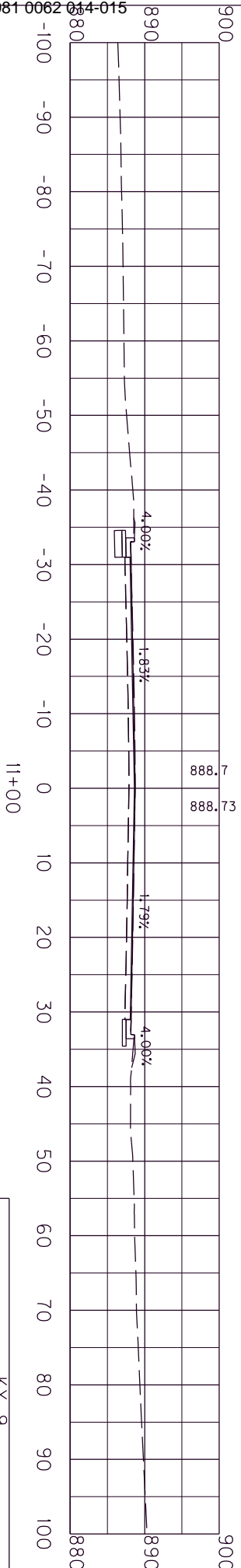
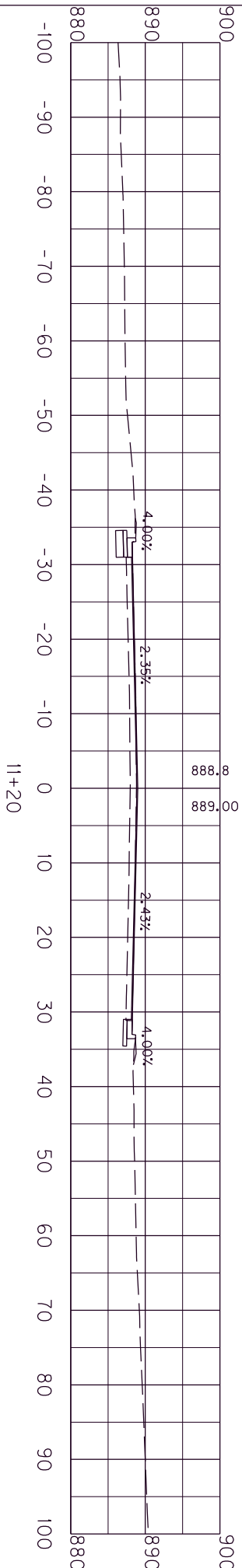
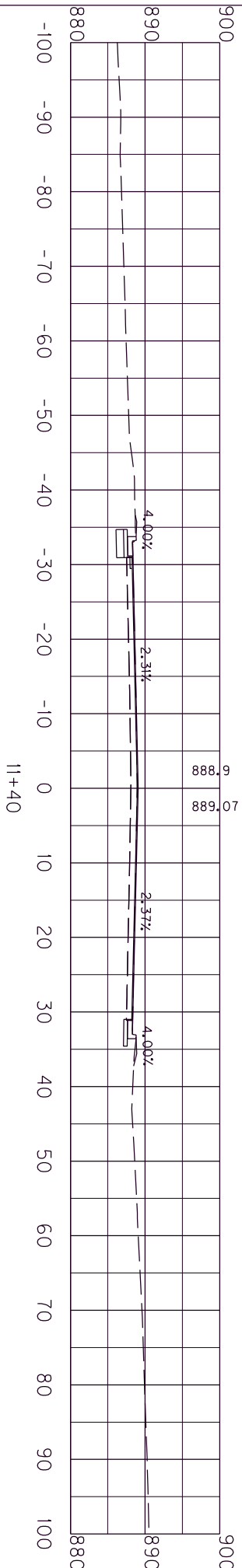
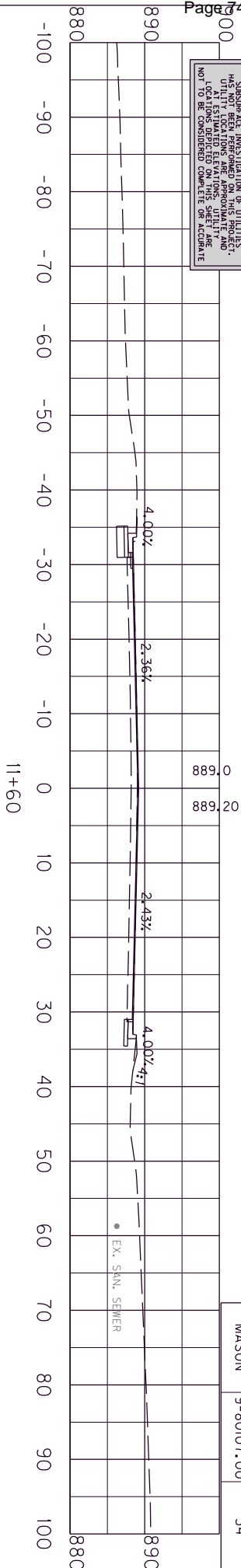
MAXIMUM COVER HEIGHT	DESIGN PH LEVEL	STORM SEWER PIPE						ENTRANCE PIPE						CURB BOX INLET TYPE A MODIFIED	CURB BOX INLET TYPE A TOP PHASE	DROP BOX INLET TYPE II MODIFIED	JUNCTION BOX 24 IN	
		15"	18"	24"	30"	36"	42"	15"	18"	24"	30"	36"						
FT																		
-	-	-	167	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-



PIPE CROSS SECTIONS	
STA. 54+03.78 TO STA. 56+37.00	

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITY LOCATIONS SHOWN ON THIS SHEET ARE
 AT ESTIMATED ELEVATIONS. UTILITIES
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE

County	Item No.	Sheet
MASON	9-80107.00	54

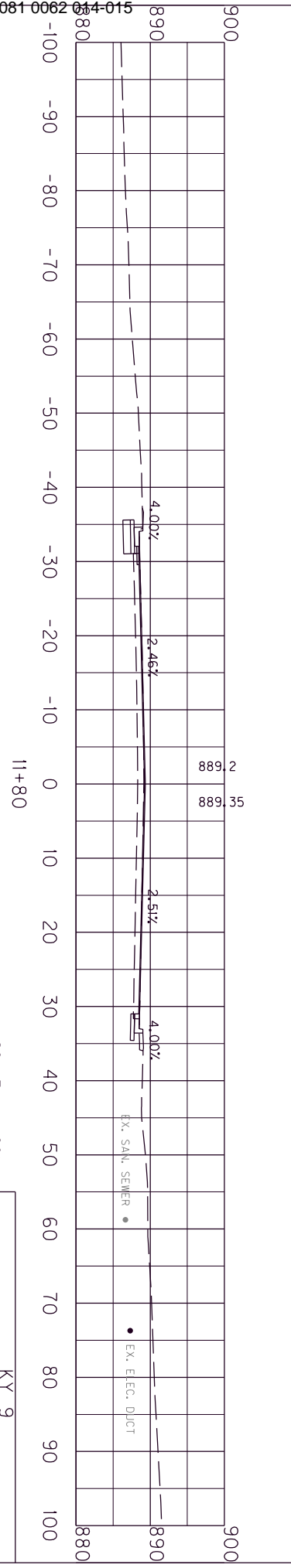
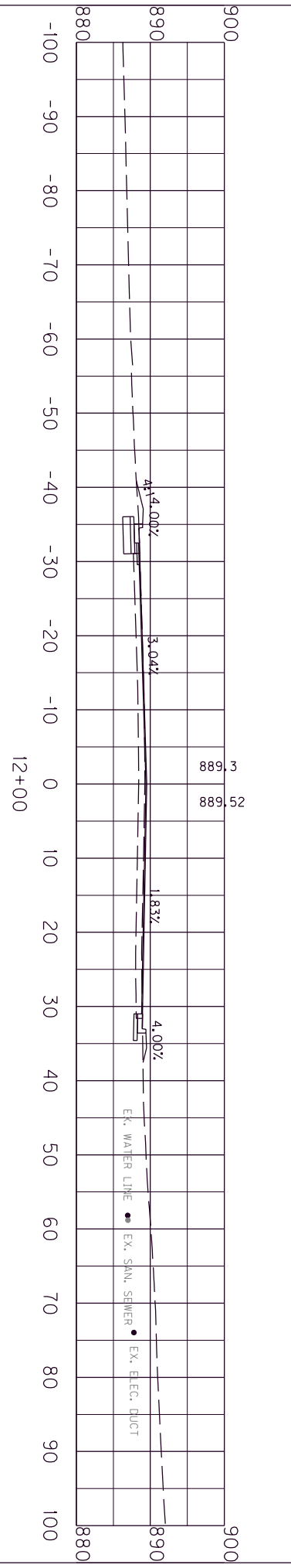
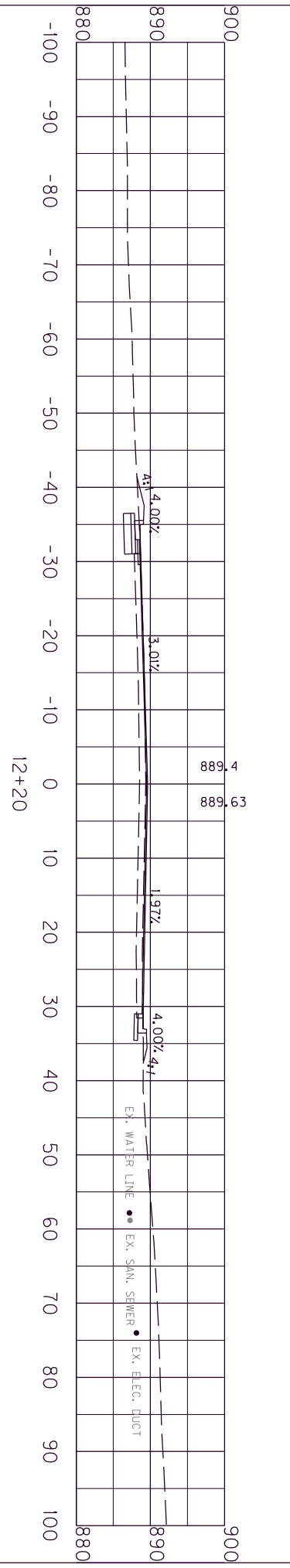
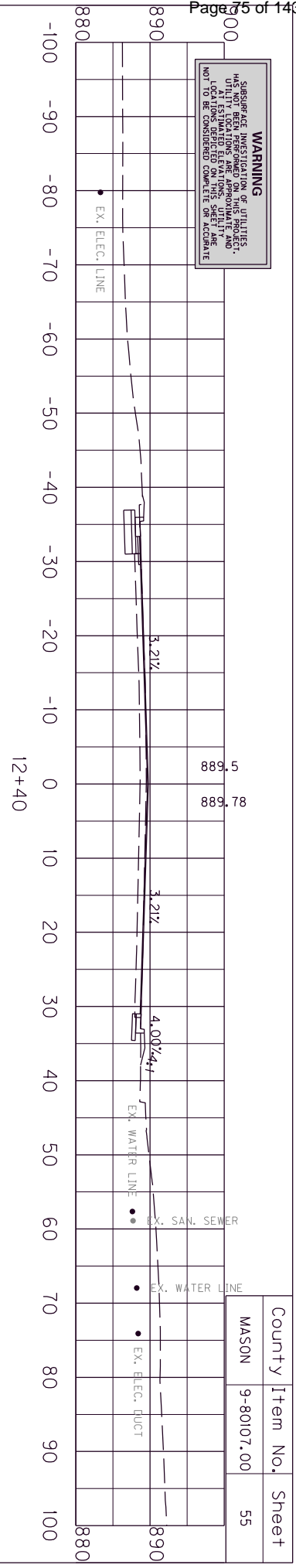


SCALE: 1" = 20'

STA. 11+00 TO STA. 11+60

KY 9

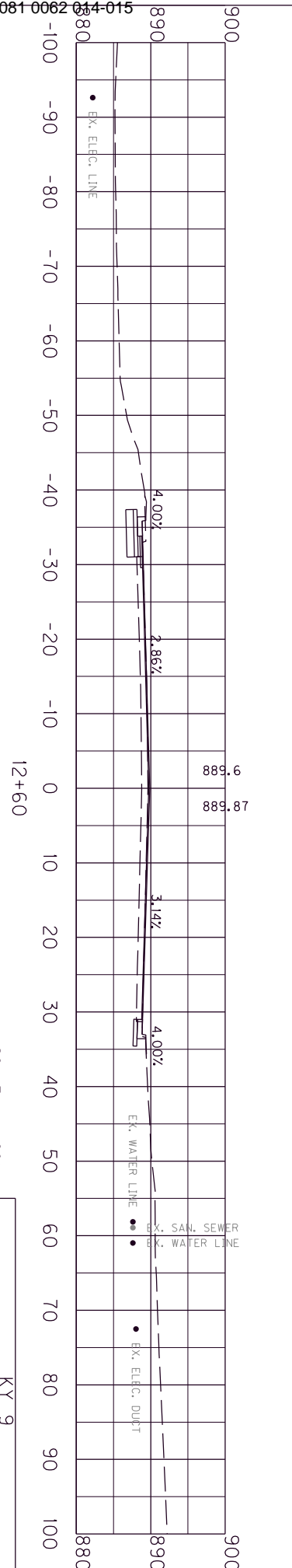
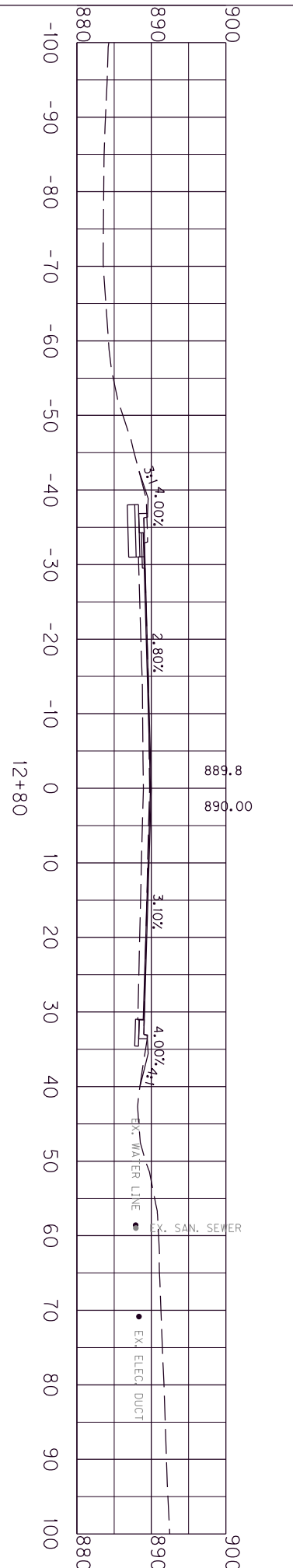
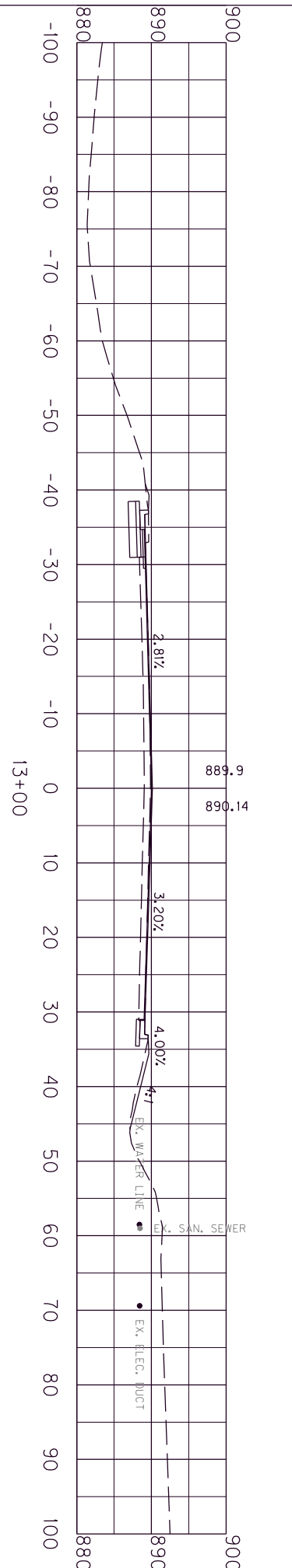
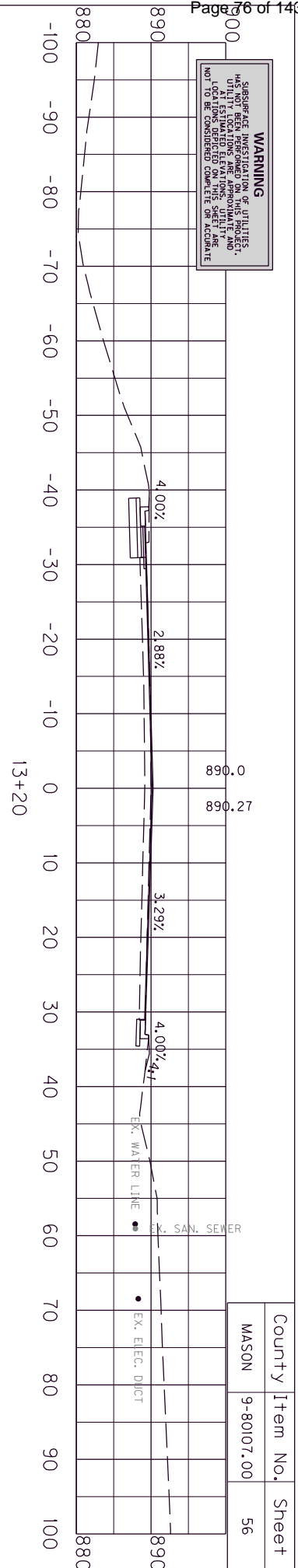
WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. UTILITY LOCATIONS SHOWN ON THIS SHEET ARE NOT TO BE CONSIDERED COMPLETE OR ACCURATE.



County	Item No.	Sheet
MASON	9-80107.00	55

SCALE: 1" = 20'
 KY 9
 STA. 11+80 TO STA. 12+40

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. ALL UTILITY LOCATIONS SHOWN ON THIS SHEET ARE AT ESTIMATED ELEVATIONS. UTILITIES NOT TO BE CONSIDERED COMPLETE OR ACCURATE.

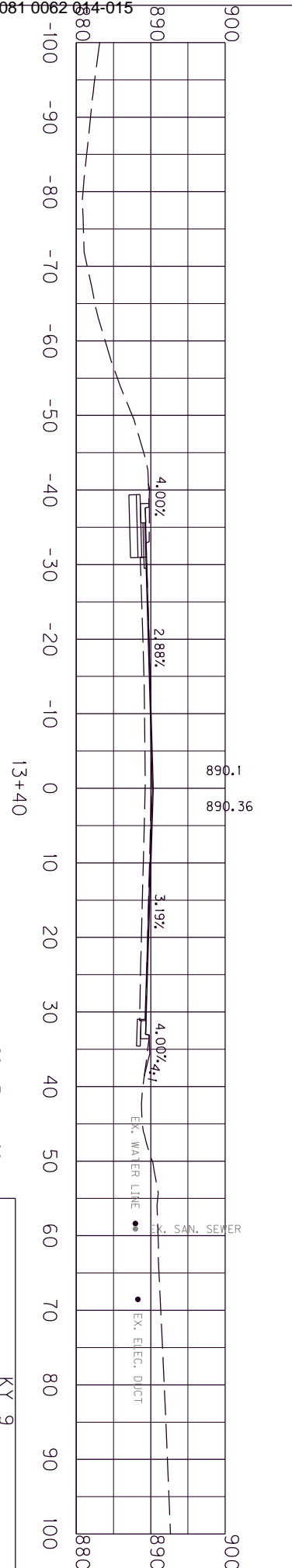
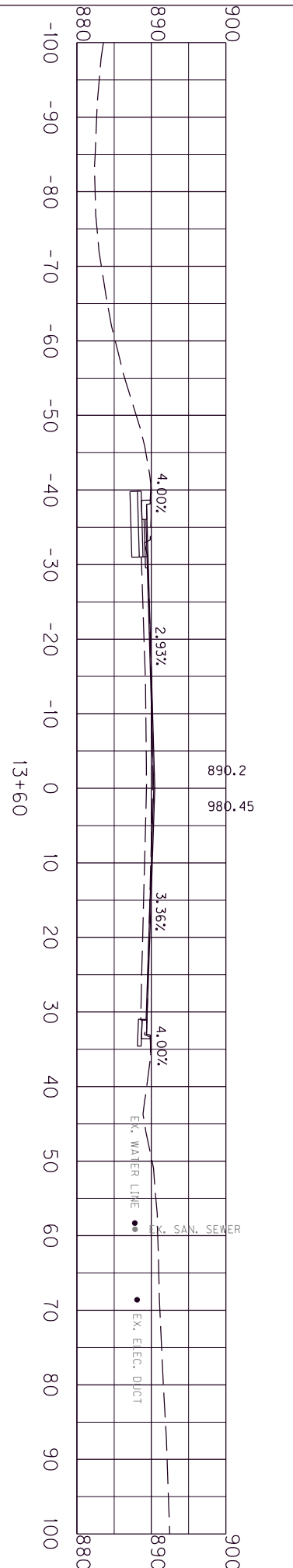
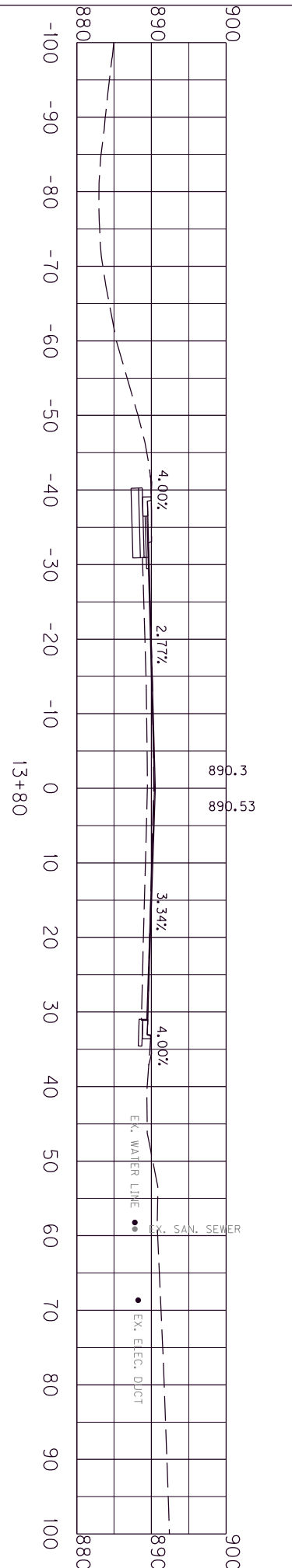
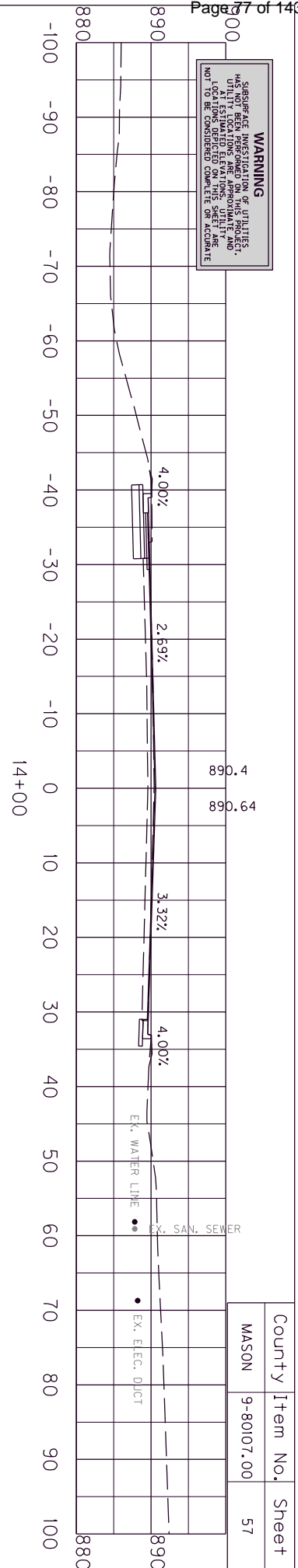


SCALE: 1" = 20'

STA. 12+60 TO STA. 13+20

County	Item No.	Sheet
MASON	9-80107.00	56

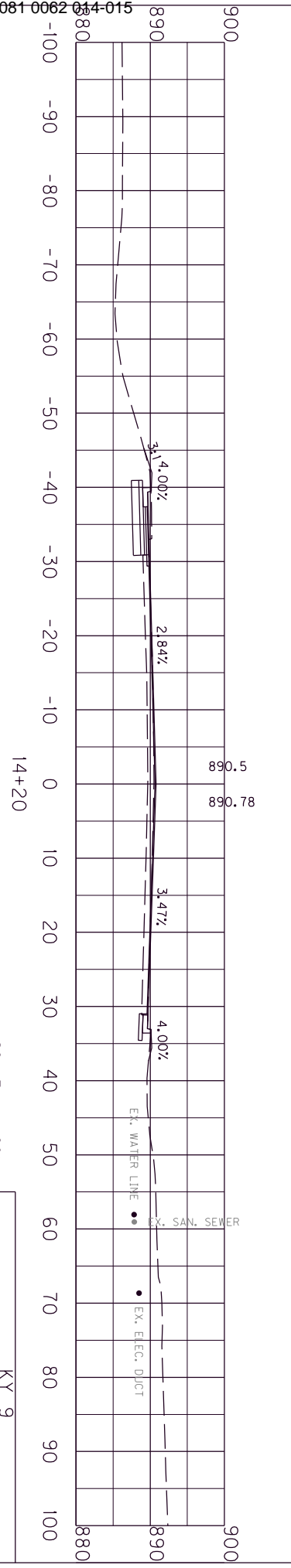
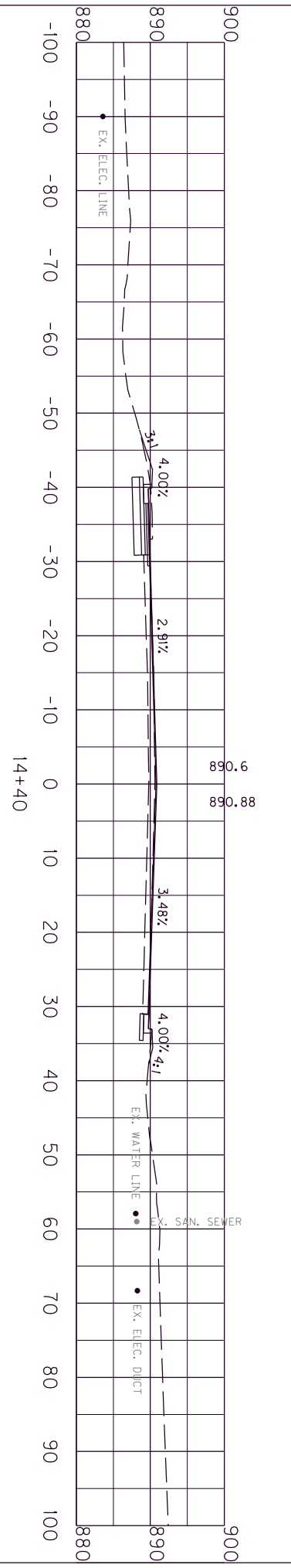
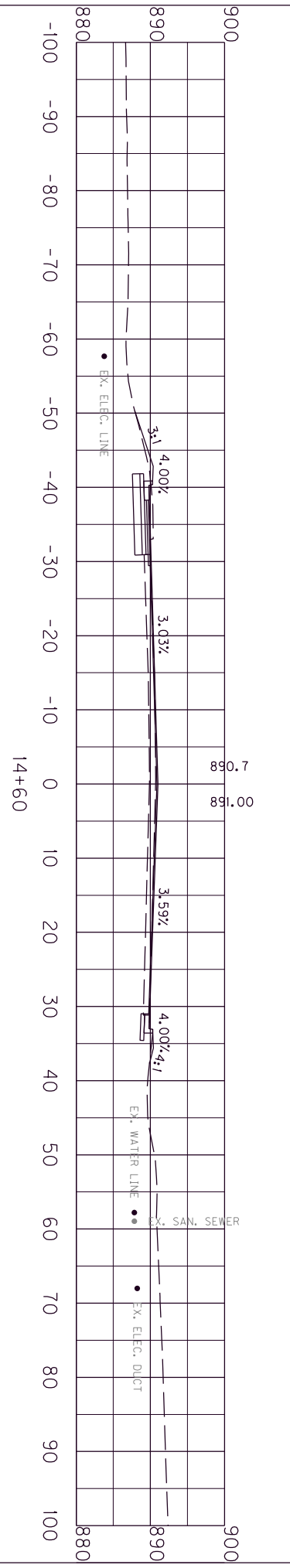
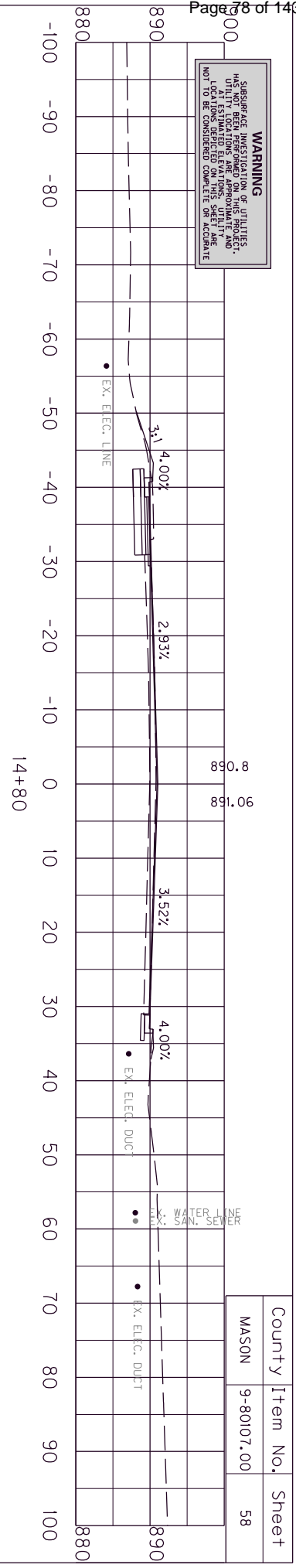
WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. LOCATIONS OF UTILITIES SHOWN ON THIS SHEET ARE AT ESTIMATED ELEVATIONS. UTILITY LOCATIONS SHOULD BE VERIFIED BY FIELD SURVEY OR ASSESSMENT.



County	Item No.	Sheet
MASON	9-80107.00	57

SCALE: 1" = 20'
 KY 9
 STA. 13+40 TO STA. 14+00

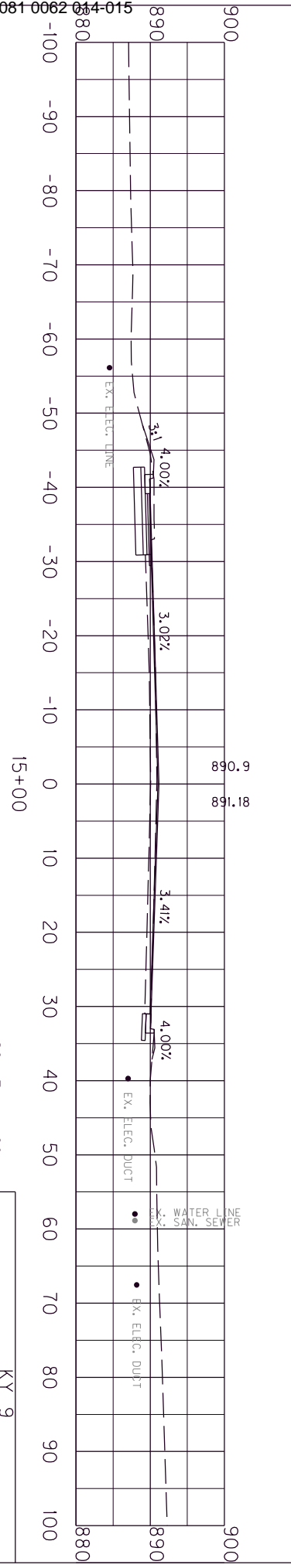
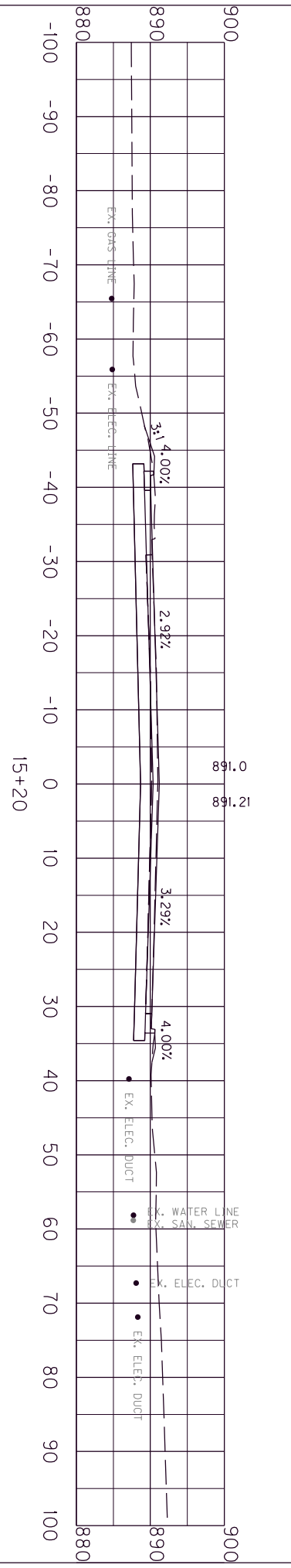
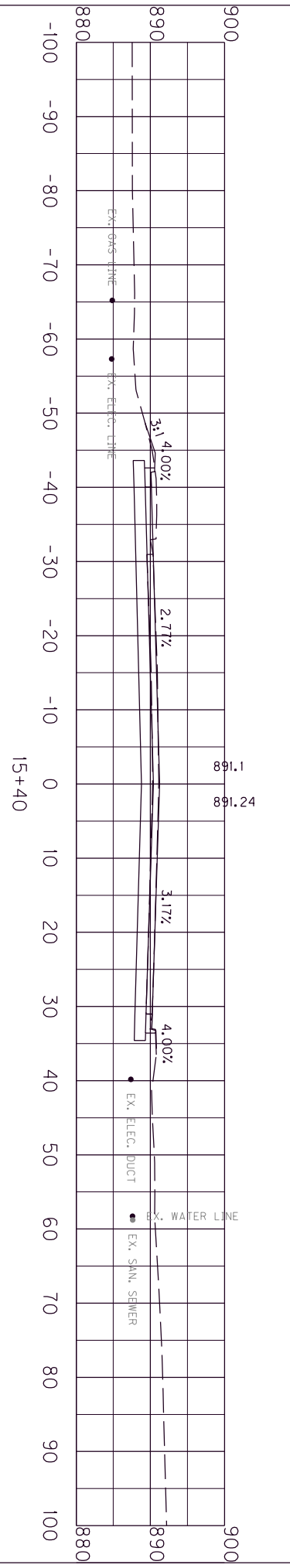
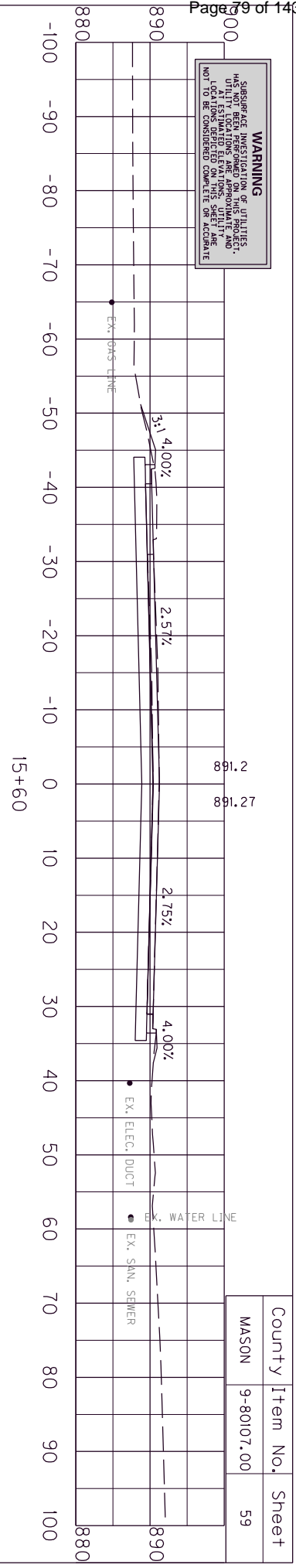
WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. ALL UTILITY LOCATIONS SHOWN ON THIS SHEET ARE AT ESTIMATED ELEVATIONS. UTILITY LOCATIONS SHOULD BE VERIFIED BY FIELD SURVEY OR AS-BUILT RECORDS.



County	Item No.	Sheet
MASON	9-80107.00	58

SCALE: 1" = 20'
 KY 9
 STA. 14+20 TO STA. 14+80

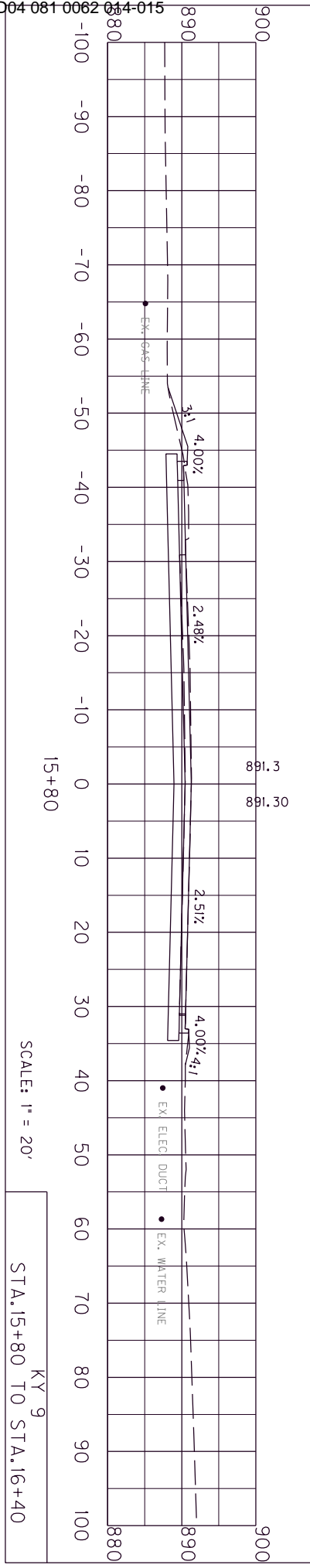
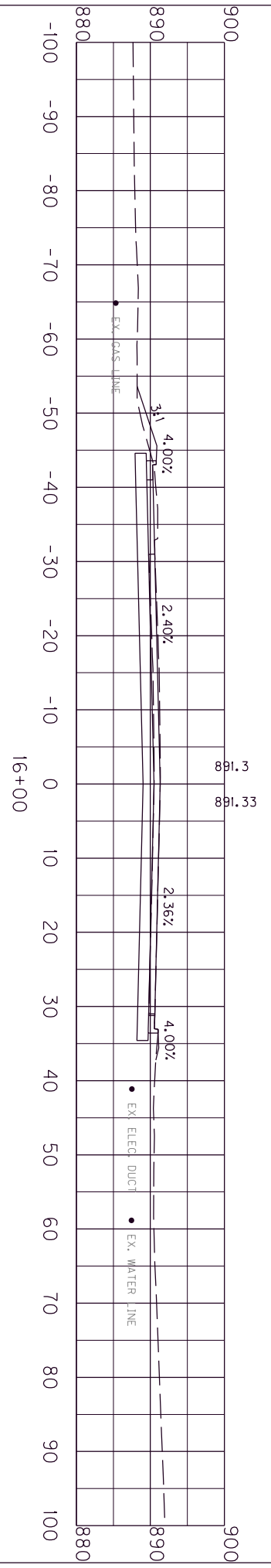
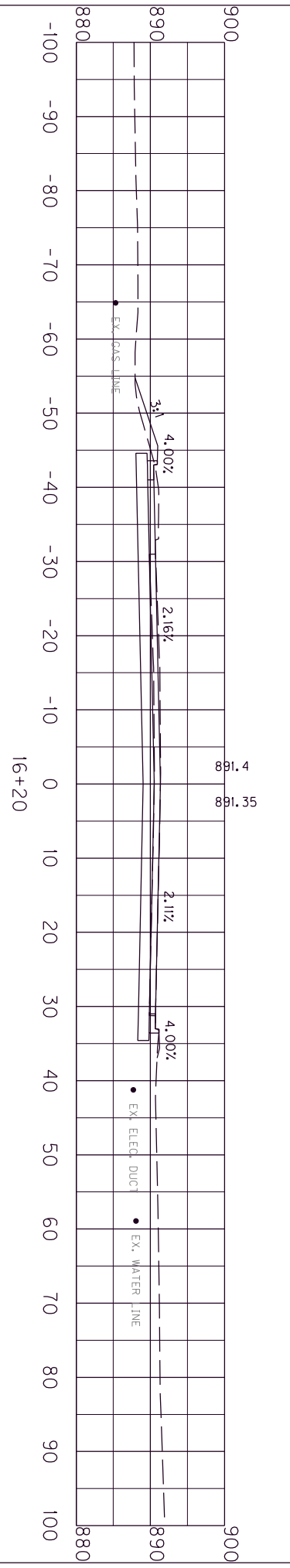
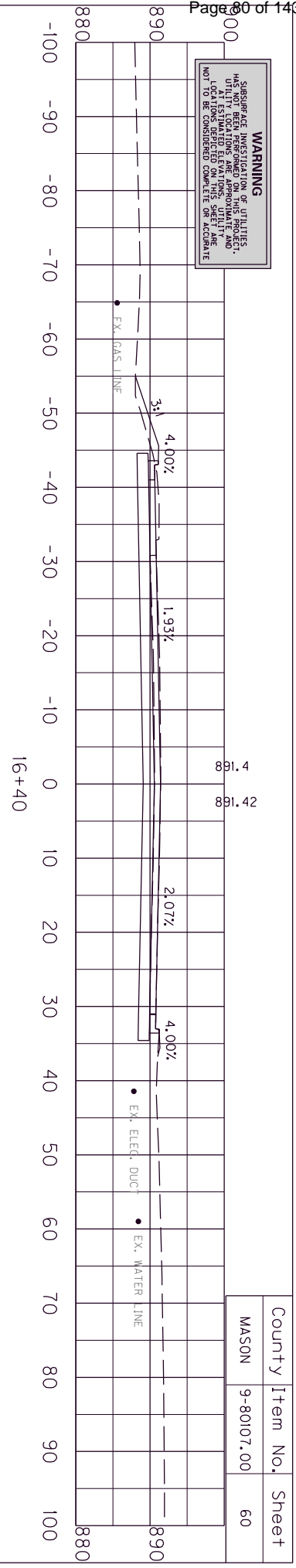
WARNING
SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. ALL UTILITY LOCATIONS SHOWN ON THIS SHEET ARE AT ESTIMATED ELEVATIONS. UTILITIES NOT TO BE CONSIDERED COMPLETE OR ACCURATE.



SCALE: 1" = 20'
KY 9
STA. 15+00 TO STA. 15+60

County	Item No.	Sheet
MASON	9-80107.00	59

WARNING
SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. UTILITY LOCATIONS SHOWN ON THIS SHEET ARE AT ESTIMATED ELEVATIONS. UTILITY LOCATIONS SHOULD BE VERIFIED BY FIELD SURVEY OR ASSESSMENT.

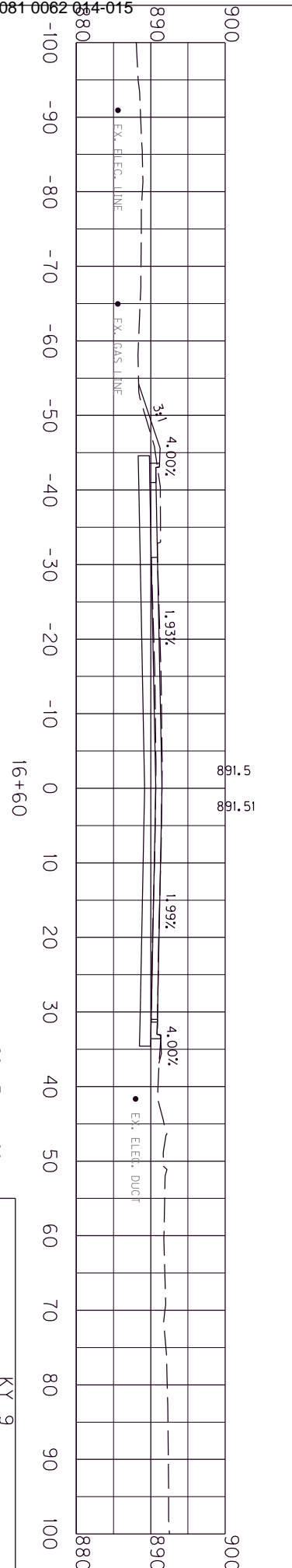
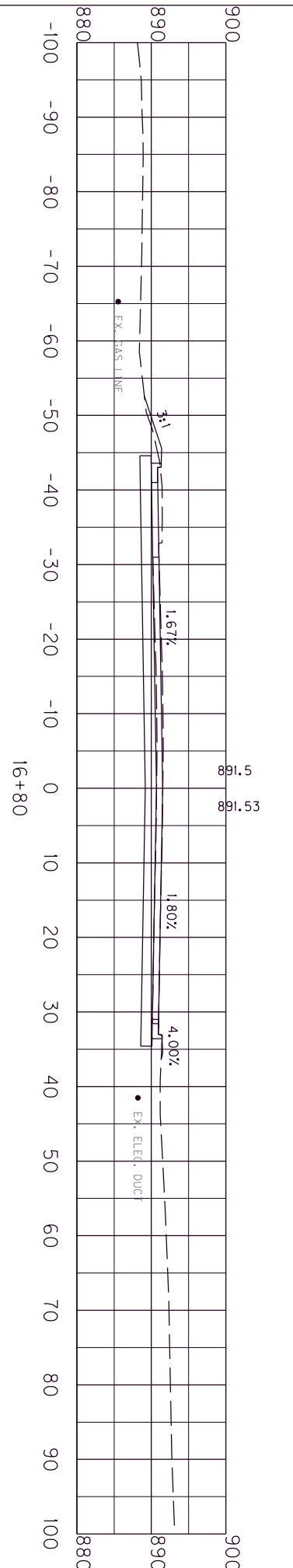
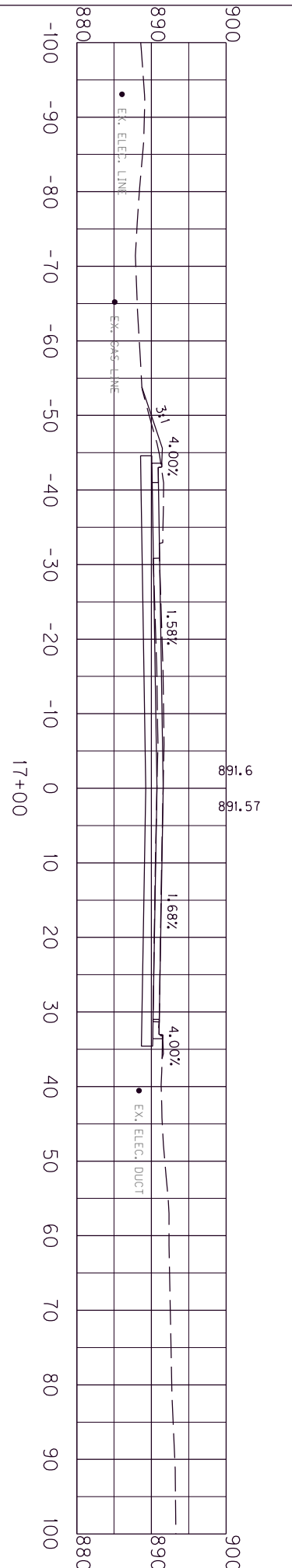
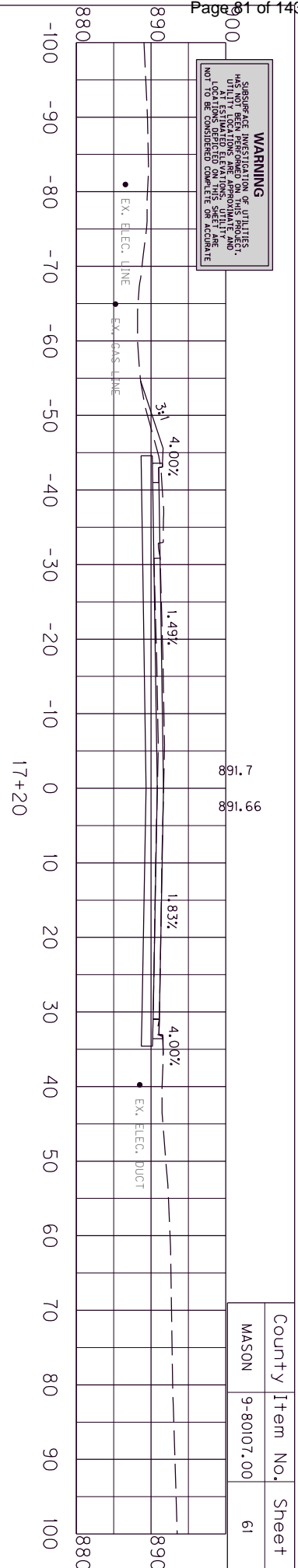


SCALE: 1" = 20'

STA. 15+80 TO STA. 16+40

KY 9

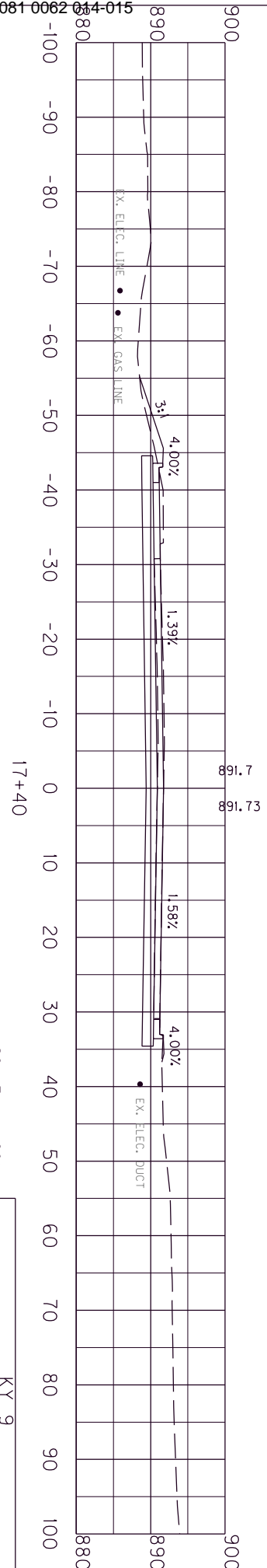
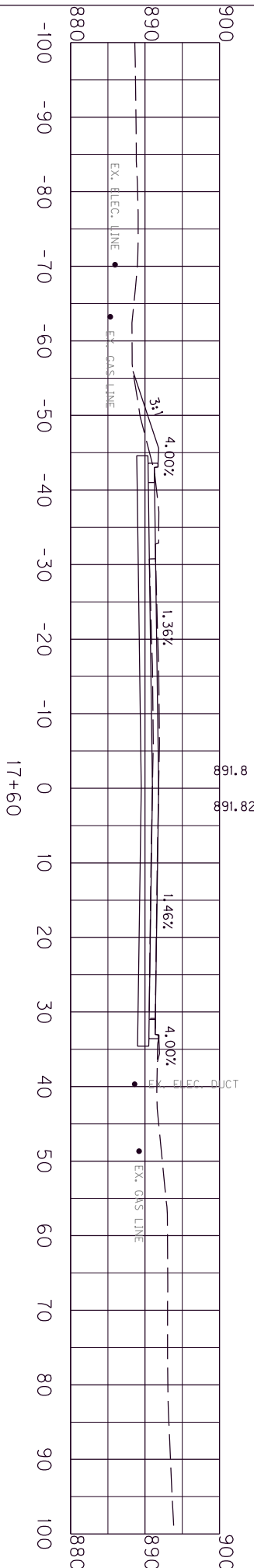
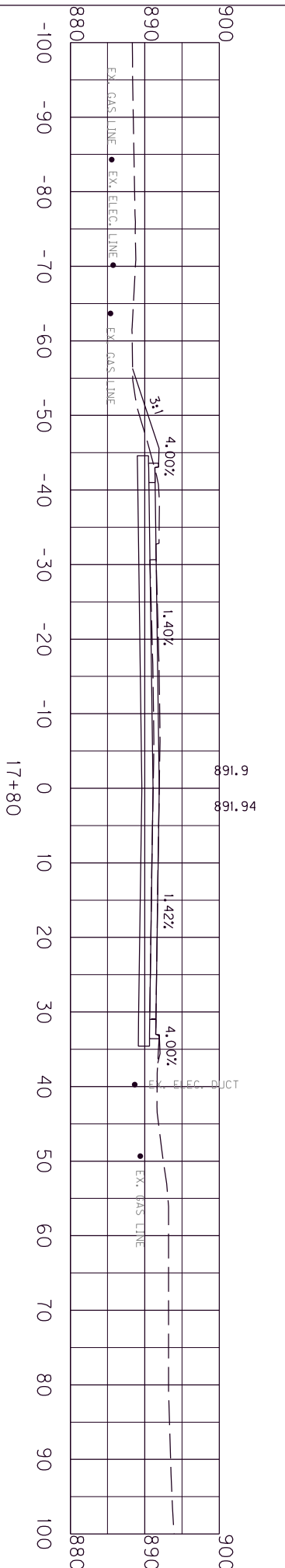
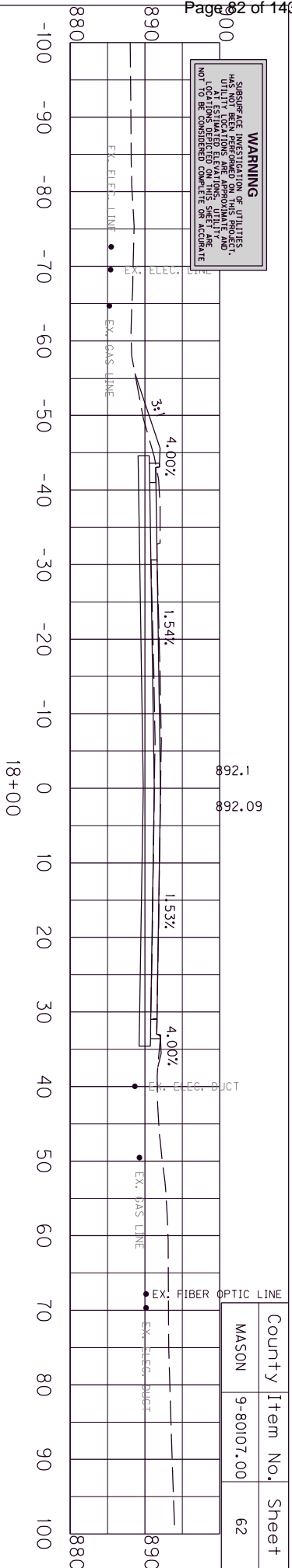
WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITY LOCATIONS SHOWN ON THIS SHEET ARE
 AT ESTIMATED ELEVATIONS. UTILITY
 LOCATIONS OFFICED ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE



SCALE: 1" = 20'
 KY 9
 STA. 16+60 TO STA. 17+20

County	Item No.	Sheet
MASON	9-80107.00	61

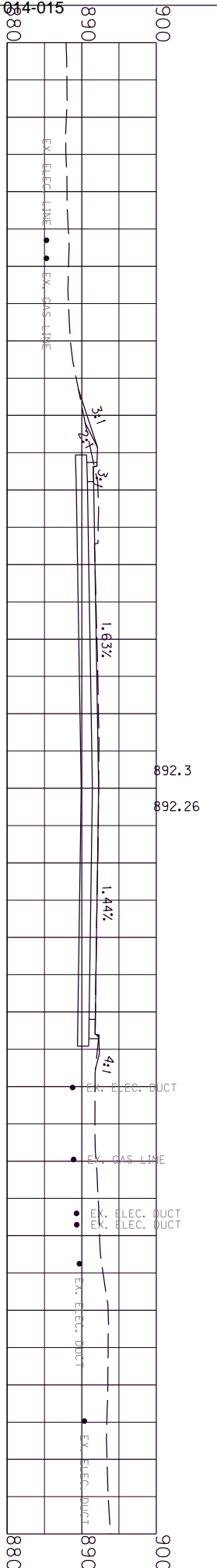
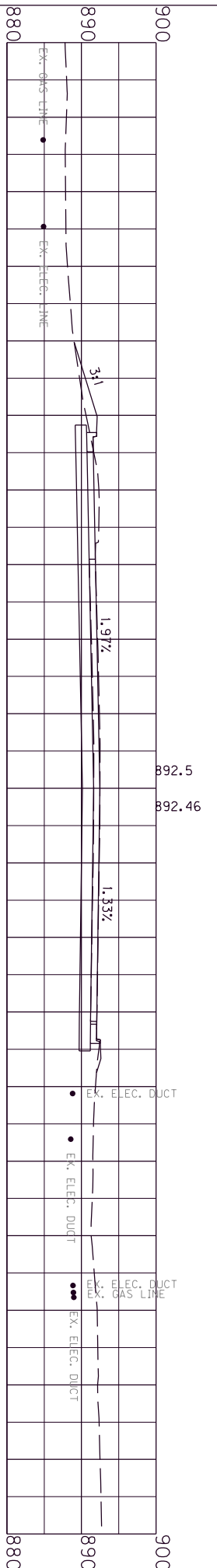
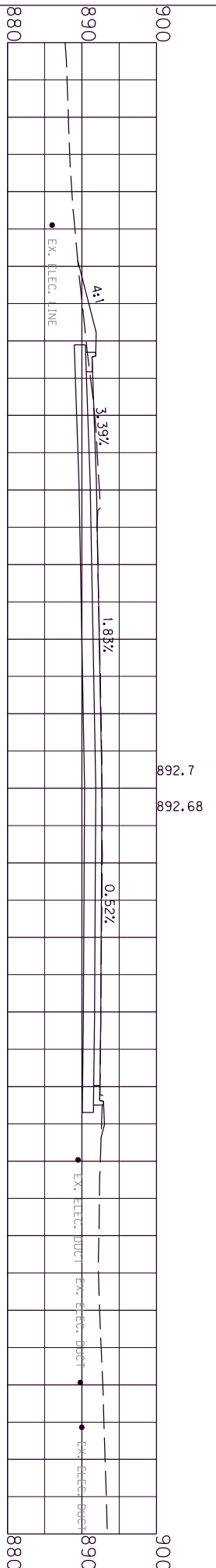
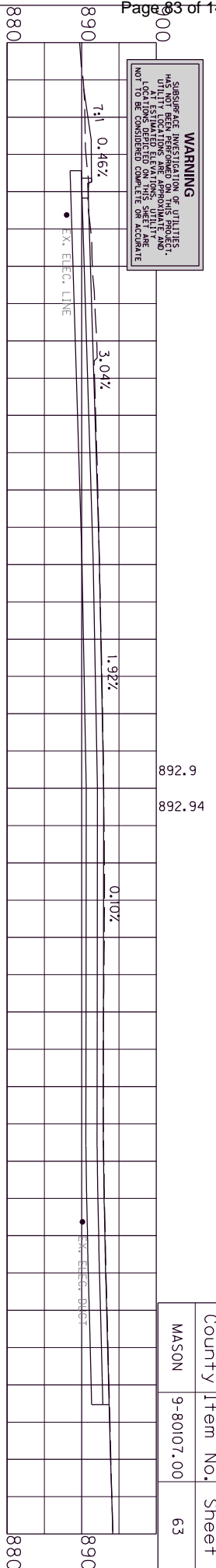
WARNING
SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. LOCATIONS SHOWN ON THIS SHEET ARE AT ESTIMATED ELEVATIONS. UTILITIES NOT TO BE CONSIDERED COMPLETE OR ACCURATE.



SCALE: 1" = 20'
KY 9
STA. 17+40 TO STA. 18+00

County	Item No.	Sheet
MASON	9-80107.00	62

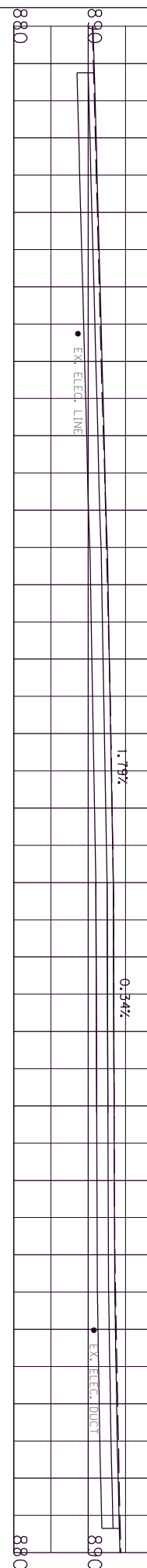
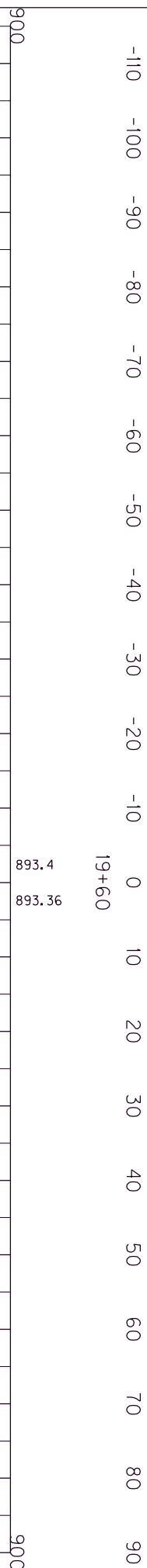
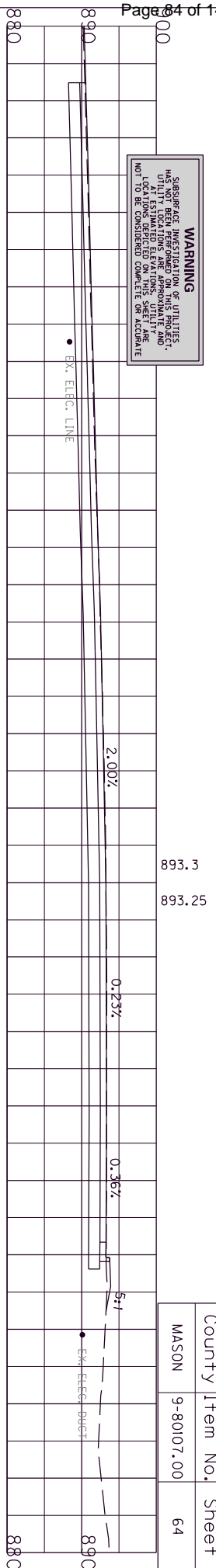
WARNING
 SURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 ALL UTILITIES SHOWN ON THIS SHEET ARE
 LOCATIONS OBSERVED ON THIS SHEET AND
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE



SCALE: 1" = 20'
 KY 9
 STA. 18+20 TO STA. 18+80

County	Item No.	Sheet
MASON	9-80107.00	63

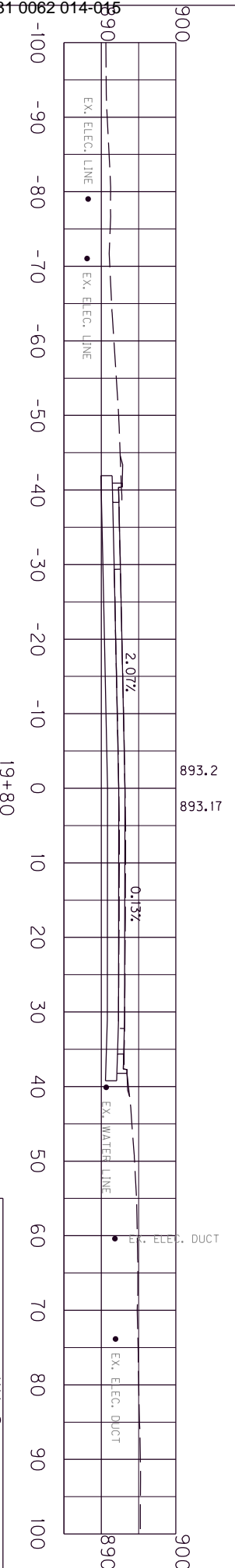
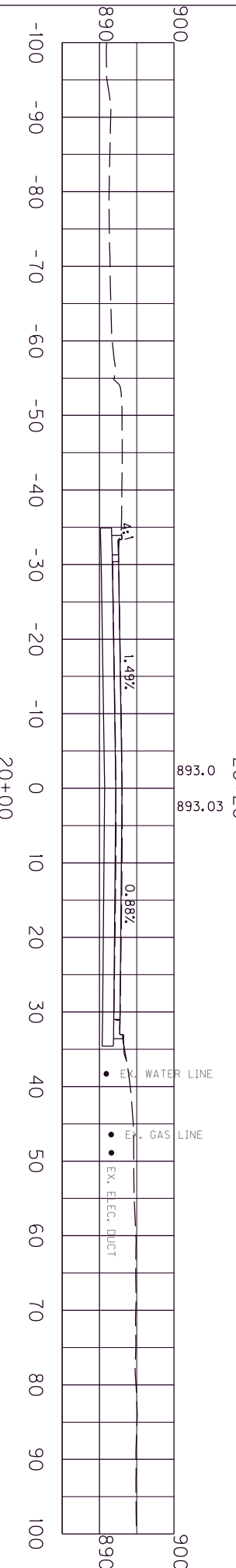
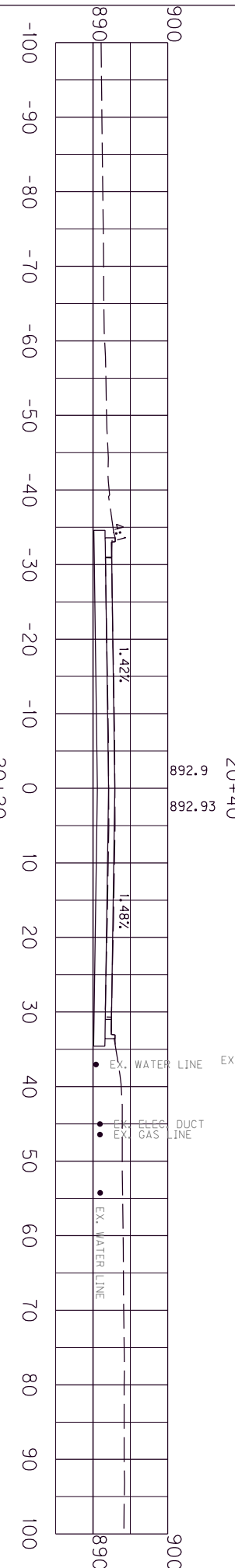
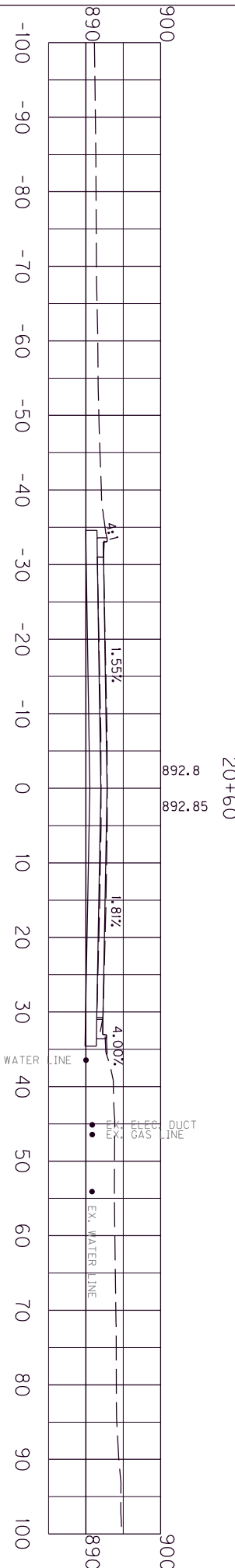
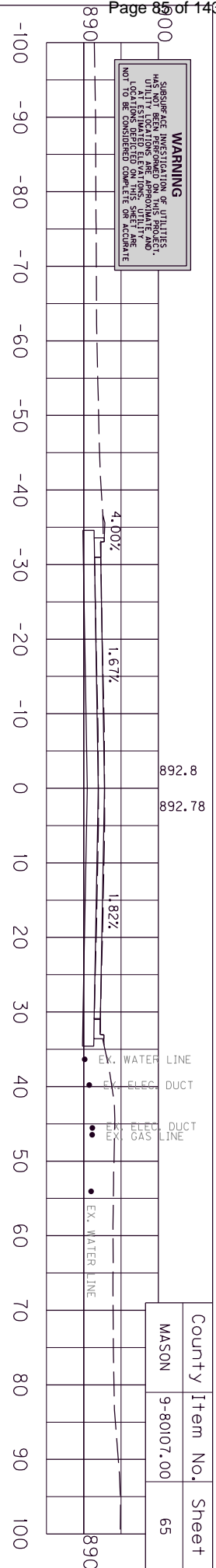
WARNING
SUBSURFACE INVESTIGATION OF UTILITIES
HAS NOT BEEN PERFORMED ON THIS PROJECT.
UTILITIES SHOWN ARE ASSUMED TO BE
AT ESTIMATED ELEVATIONS. UTILITIES
LOCATIONS DEPICTED ON THIS SHEET ARE
NOT TO BE CONSIDERED COMPLETE OR ACCURATE.



County	Item No.	Sheet
MASON	9-80107.00	64

SCALE: 1" = 20'
KY 9
STA. 19+00 TO STA. 19+60

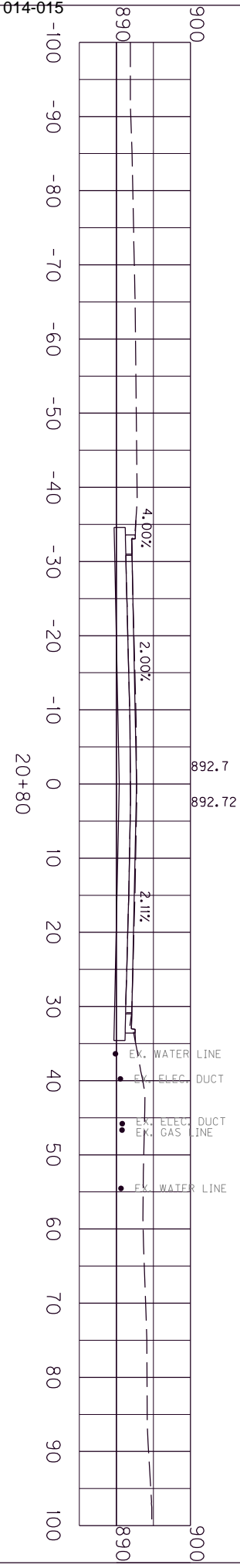
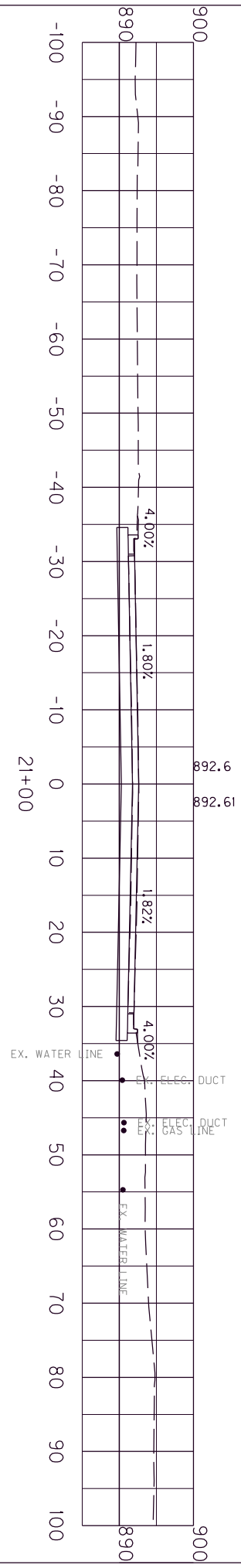
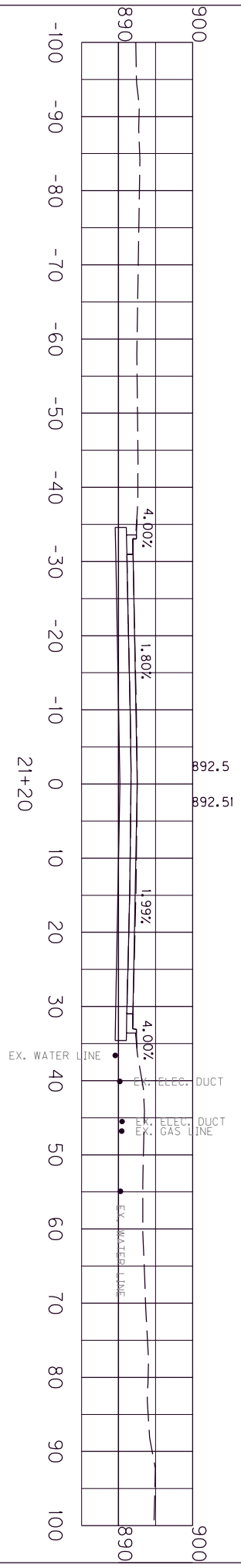
WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITIES LOCATIONS SHOWN ON THIS SHEET ARE
 LOCATIONS DERIVED ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE



County	Item No.	Sheet
MASON	9-80107.00	65

SCALE: 1" = 20'
 KY 9
 STA. 19+80 TO STA. 20+60

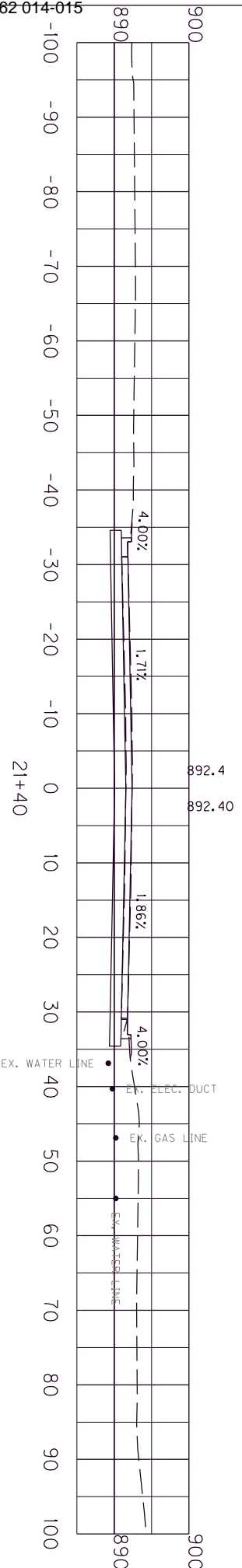
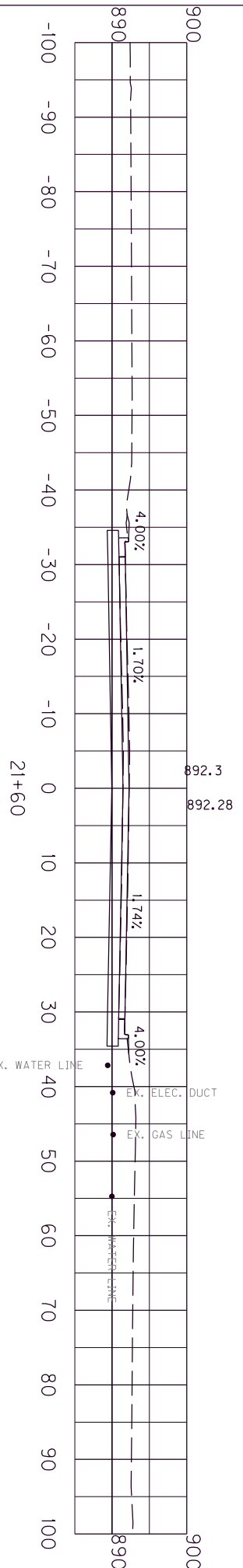
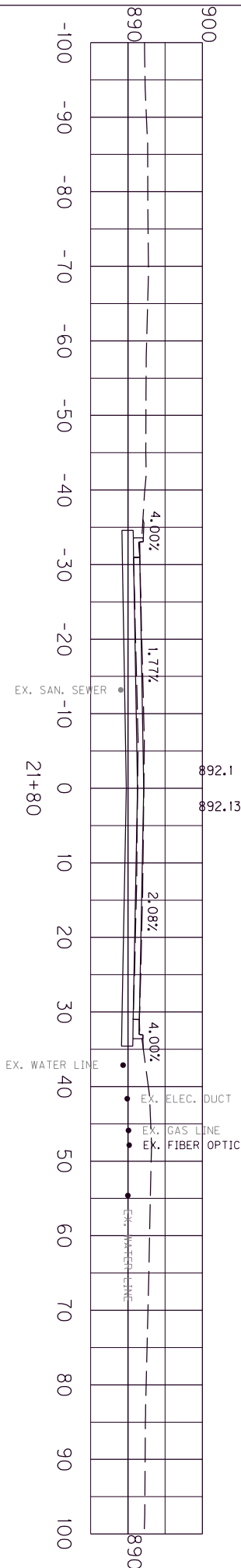
WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 ALL UTILITIES SHOWN ARE BASED ON RECORD
 DRAWINGS AND FIELD SURVEY DATA.
 LOCATIONS SHOWN ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE



SCALE: 1" = 20'
 KY 9
 STA. 20+80 TO STA. 21+20

County	Item No.	Sheet
MASON	9-80107.00	66

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 ALL UTILITIES SHOWN ARE BASED ON RECORD
 DRAWINGS AND FIELD SURVEY DATA.
 LOCATIONS DEPICTED ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE.



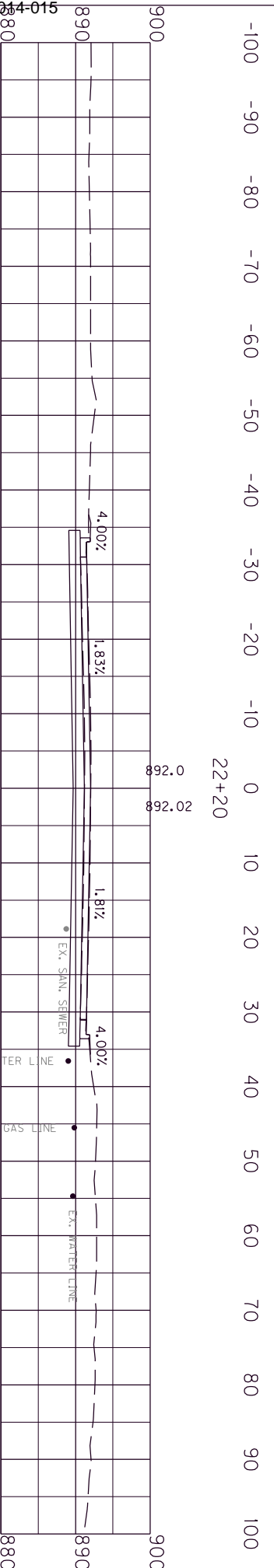
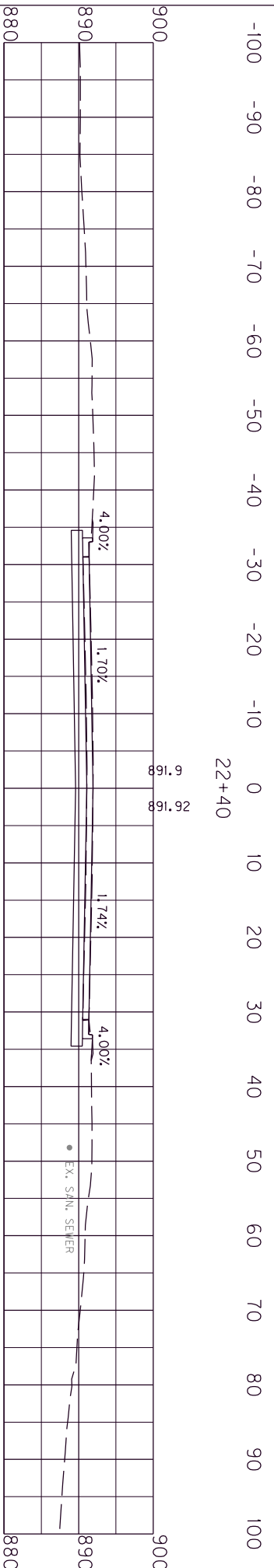
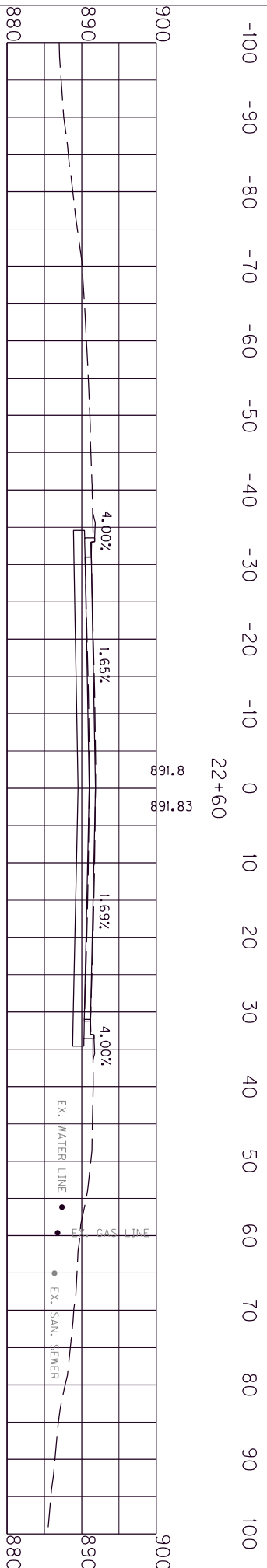
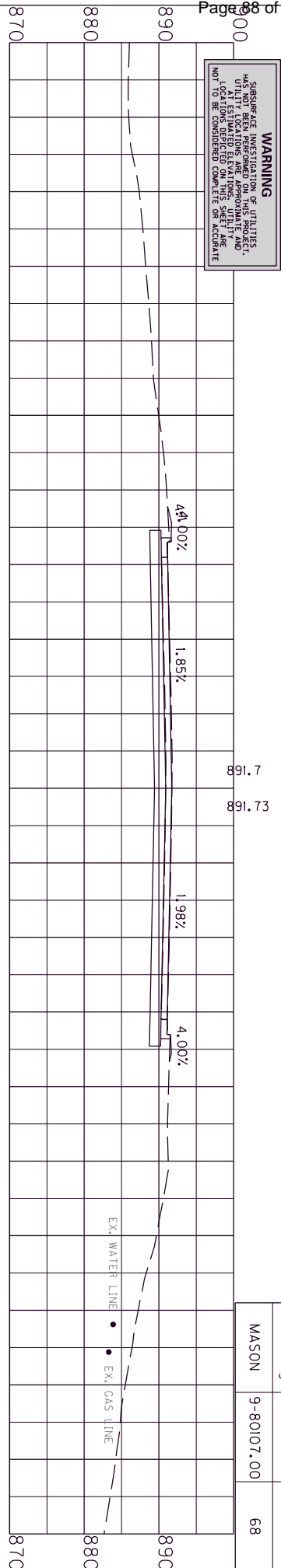
SCALE: 1" = 20'

STA. 21+40 TO STA. 21+80

County	Item No.	Sheet
MASON	9-80107.00	67

KY 9

WARNING
 SURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITIES LOCATIONS SHOWN ON THIS SHEET ARE
 AT ESTIMATED ELEVATIONS. UTILITY
 LOCATIONS DERIVED ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE



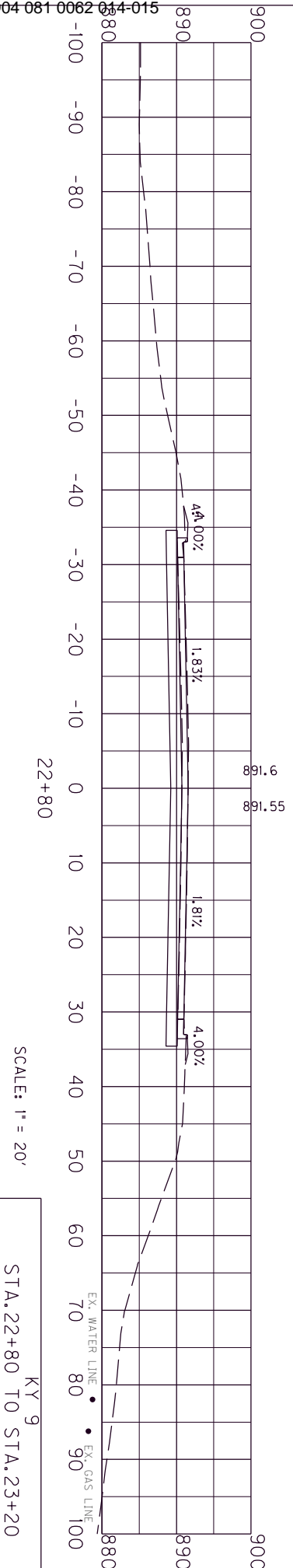
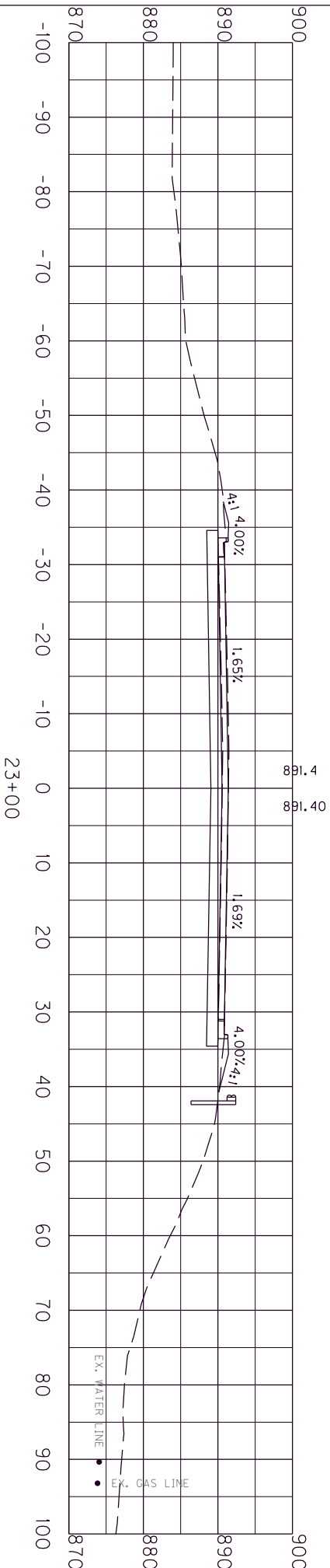
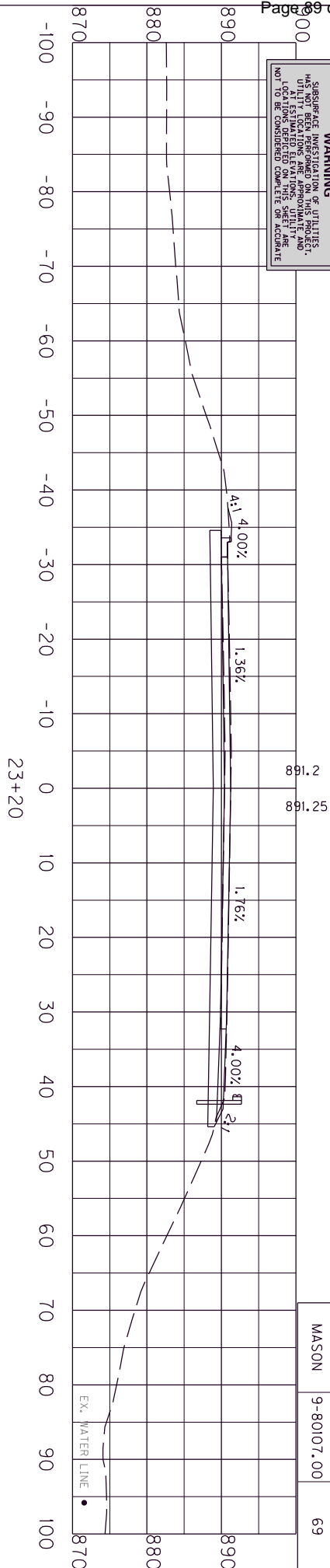
SCALE: 1" = 20'

STA. 22+00 TO STA. 22+60

County	Item No.	Sheet
MASON	9-80107.00	68

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITY LOCATIONS SHOWN ON THIS SHEET ARE
 BASED ON RECORD DRAWINGS AND FIELD SURVEY.
 LOCATIONS SHOWN ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE

County	Item No.	Sheet
MASON	9-80107.00	69



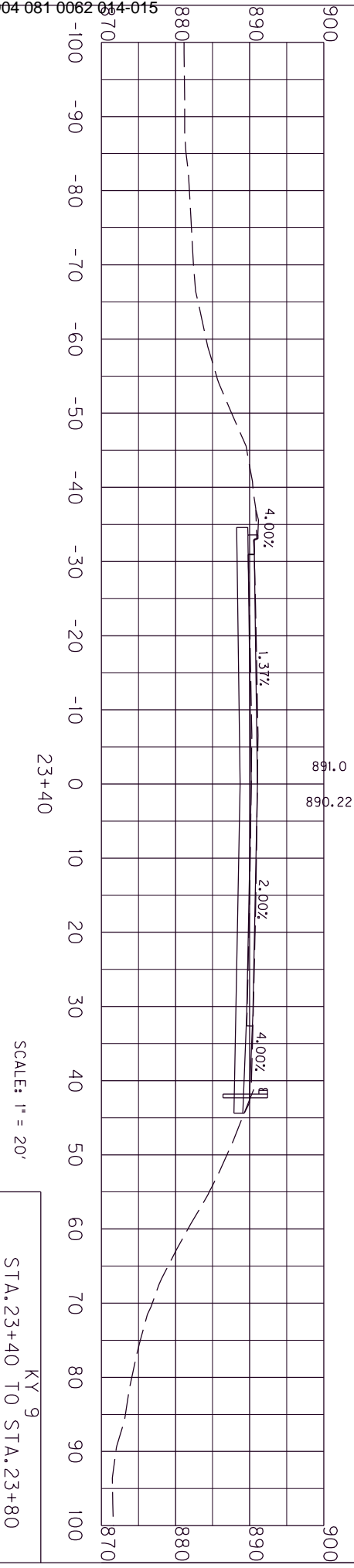
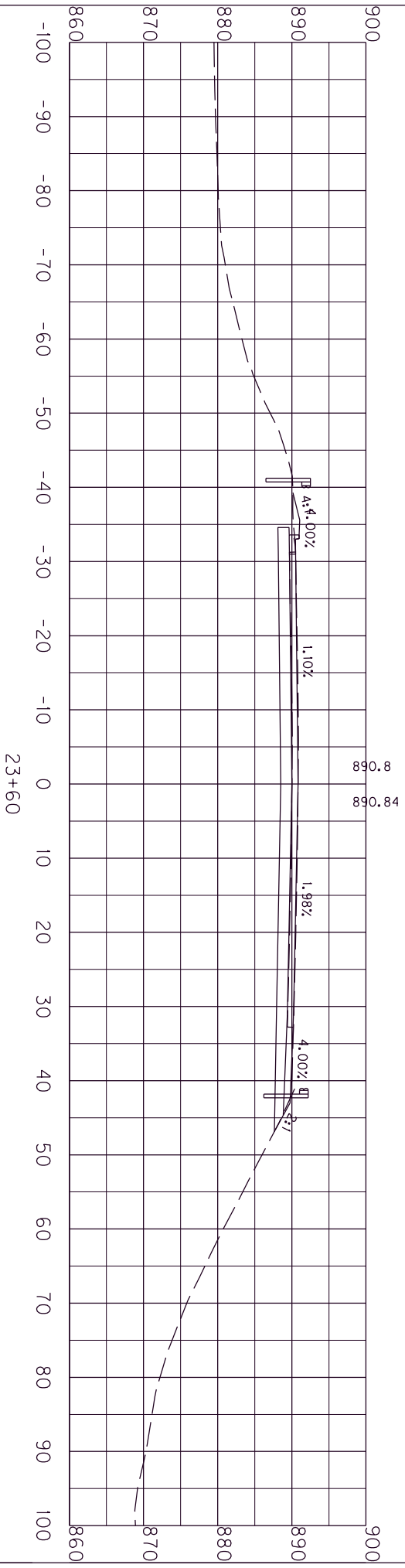
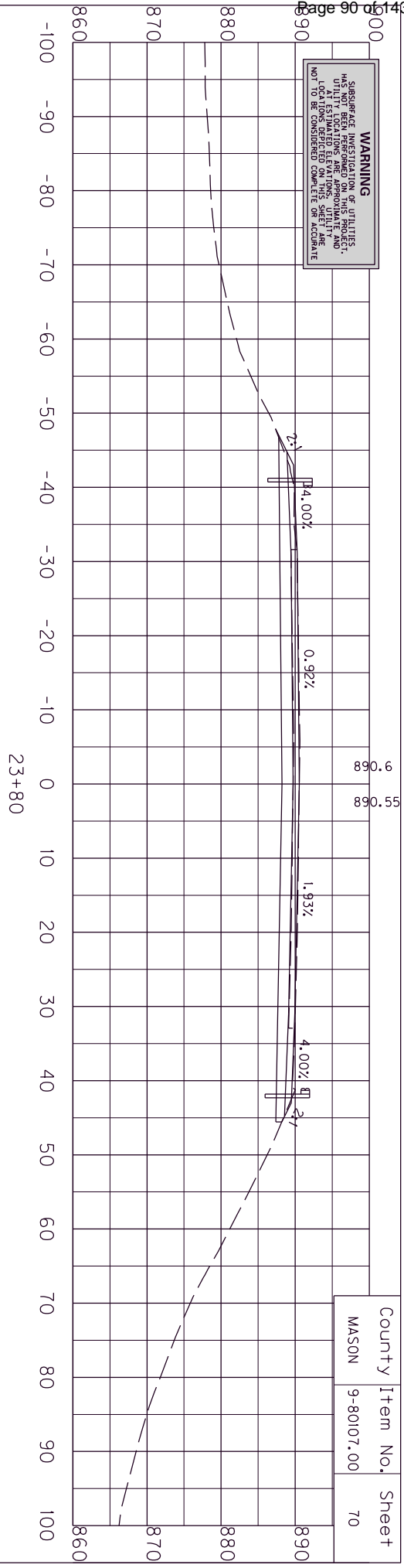
SCALE: 1" = 20'

STA. 22+80 TO STA. 23+20

KY 9

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITY LOCATIONS SHOWN ON THIS SHEET ARE
 AT ESTIMATED ELEVATIONS. UTILITY
 LOCATIONS SHOWN ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE

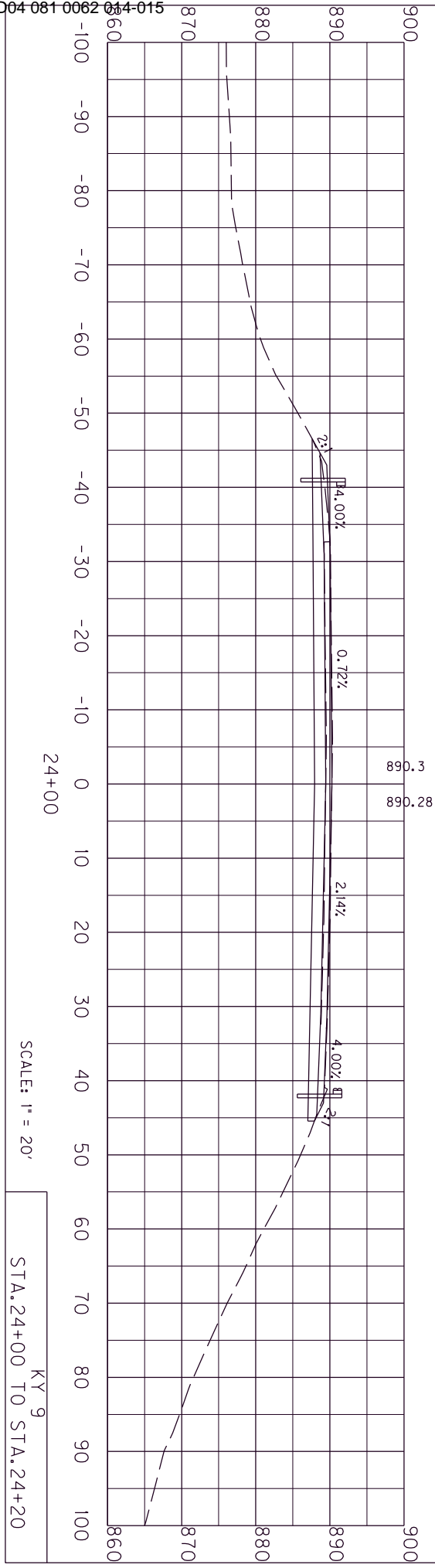
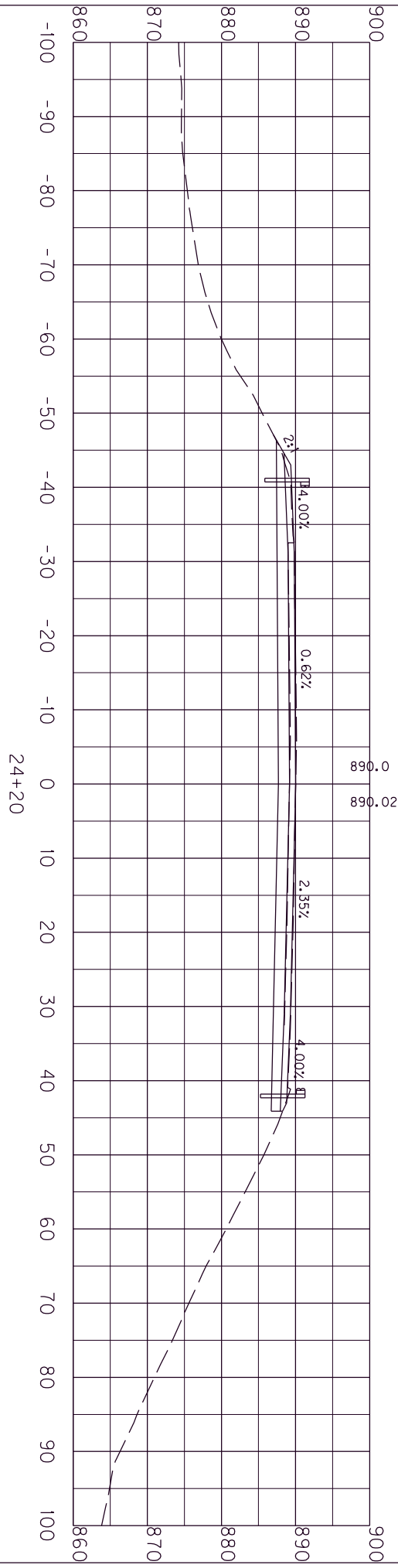
County	Item No.	Sheet
MASON	9-80107.00	70



SCALE: 1" = 20'
 KY 9
 STA. 23+40 TO STA. 23+80

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITY LOCATIONS SHOWN ON THIS SHEET ARE
 AT ESTIMATED ELEVATIONS. UTILITY
 LOCATIONS INDICATED ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE

County	Item No.	Sheet
MASON	9-80107.00	71

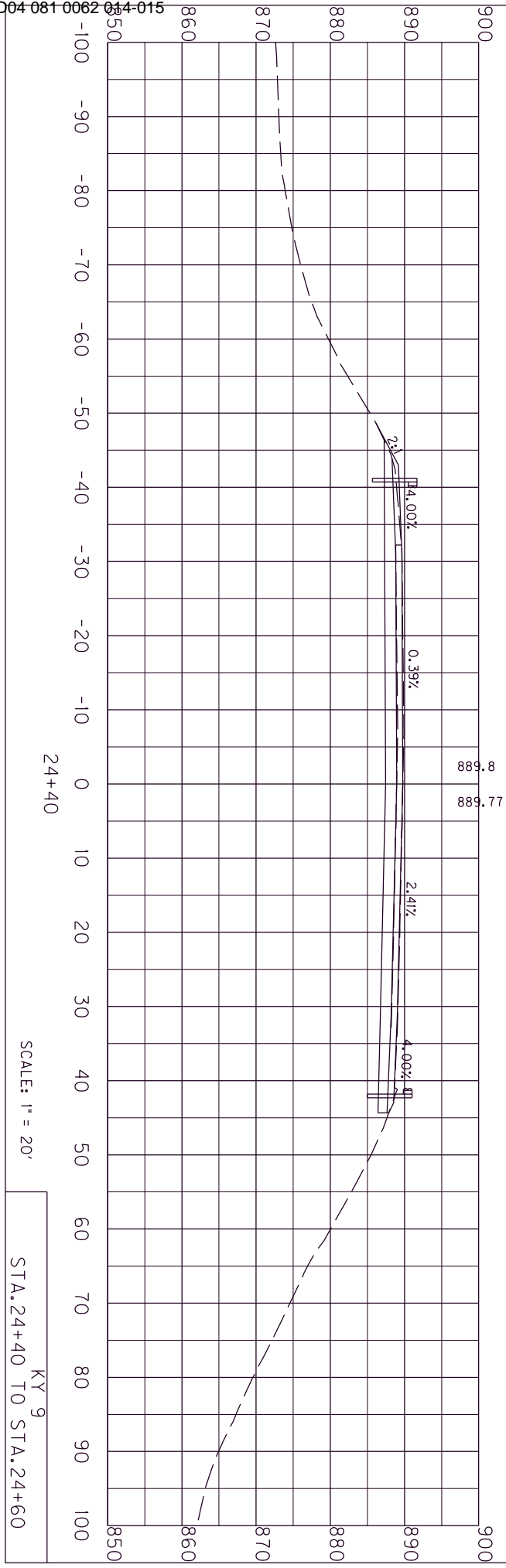
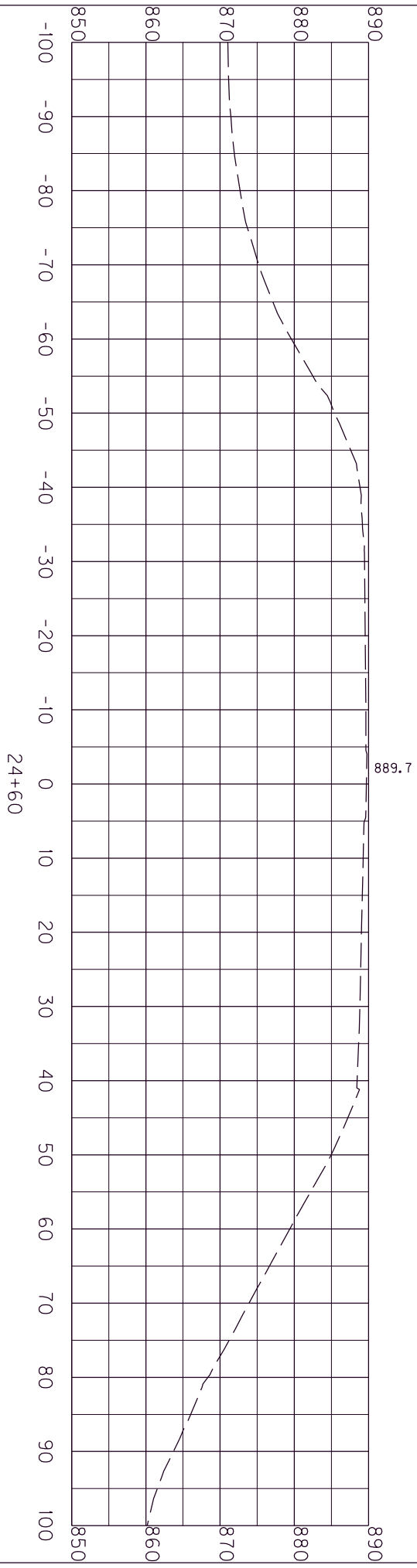


SCALE: 1" = 20'

STA. 24+00 TO STA. 24+20
 KY 9

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITY LOCATIONS SHOWN ON THIS SHEET ARE
 AT ESTIMATED ELEVATIONS. UTILITY
 LOCATIONS DERIVED ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE

County	Item No.	Sheet
MASON	9-80107.00	72



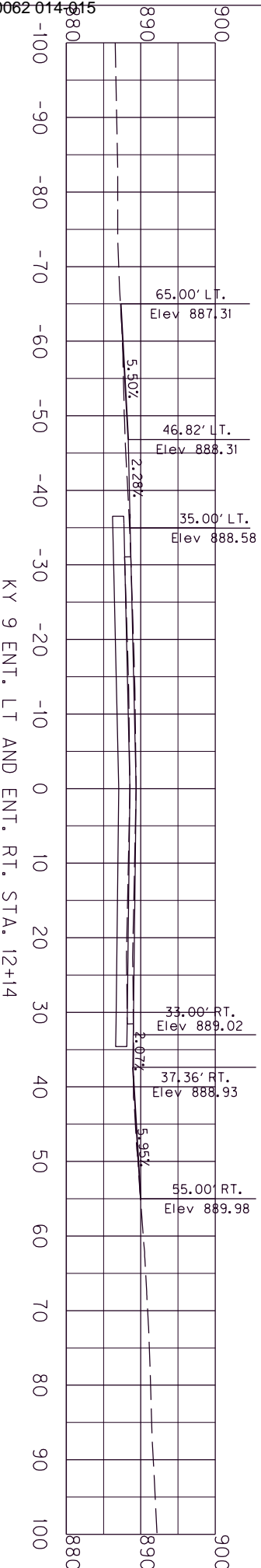
SCALE: 1" = 20'

STA. 24+40 TO STA. 24+60

24+40

24+60

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITY LOCATIONS SHOWN ON THIS SHEET ARE
 AT ESTIMATED ELEVATIONS. UTILITY
 LOCATIONS DERIVED ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE



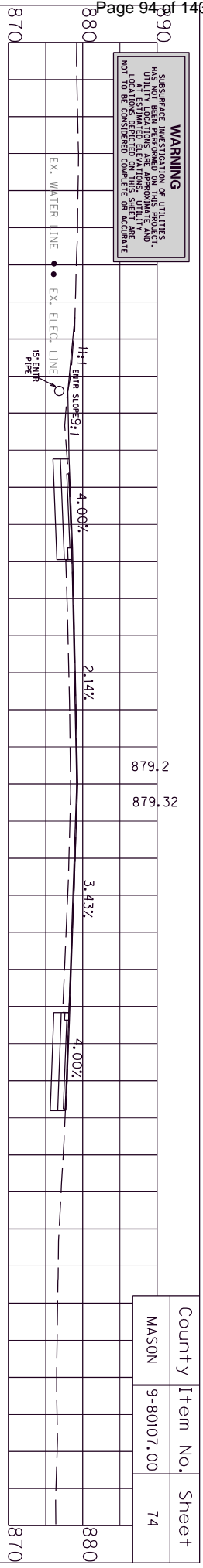
KY 9 ENT. LT AND ENT. RT. STA. 12+14

SCALE: 1" = 20'

KY 9
ENTRANCES

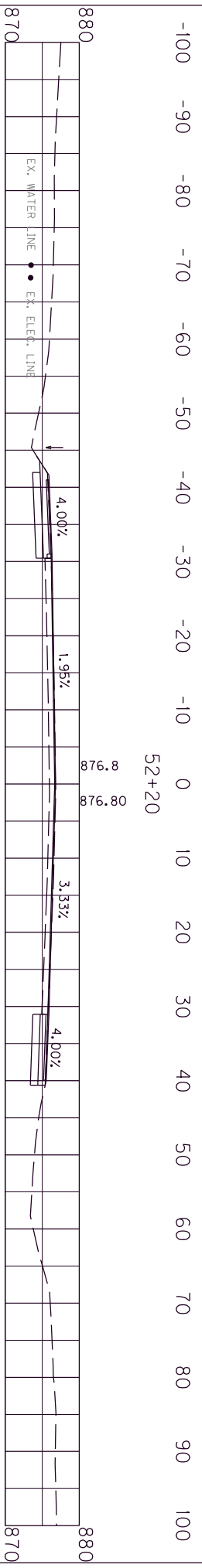
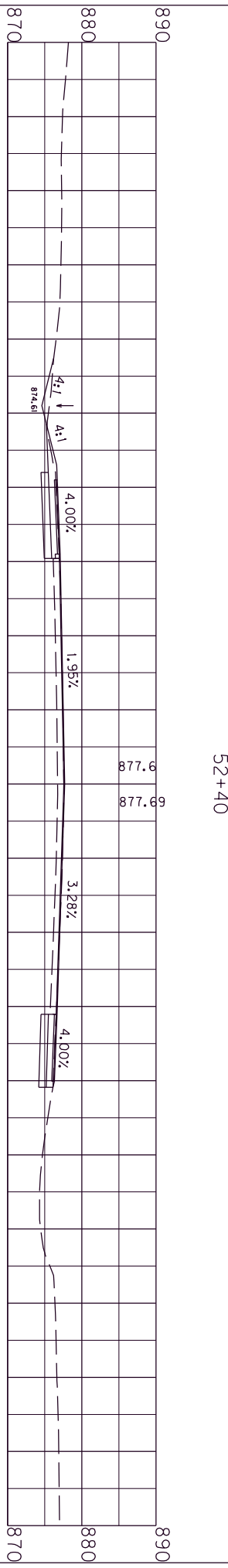
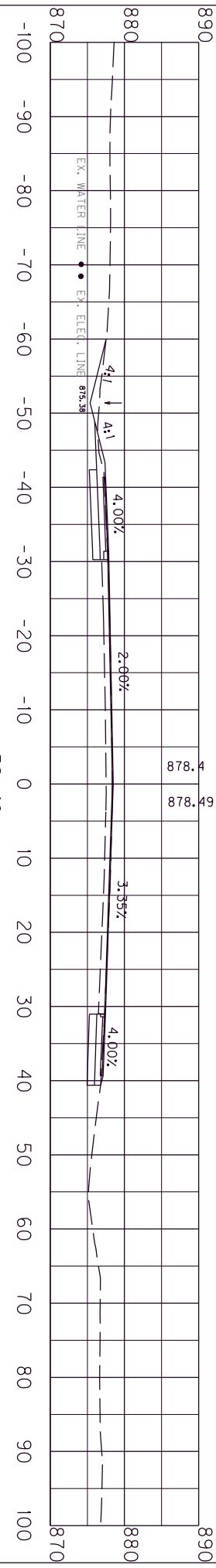
County	Item No.	Sheet
MASON	9-80107.00	73

WARNING
SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. UTILITY LOCATIONS SHOWN ON THIS SHEET ARE AT ESTIMATED ELEVATIONS ONLY AND LOCATIONS DEPICTED ON THIS SHEET ARE NOT TO BE CONSIDERED COMPLETE OR ACCURATE.

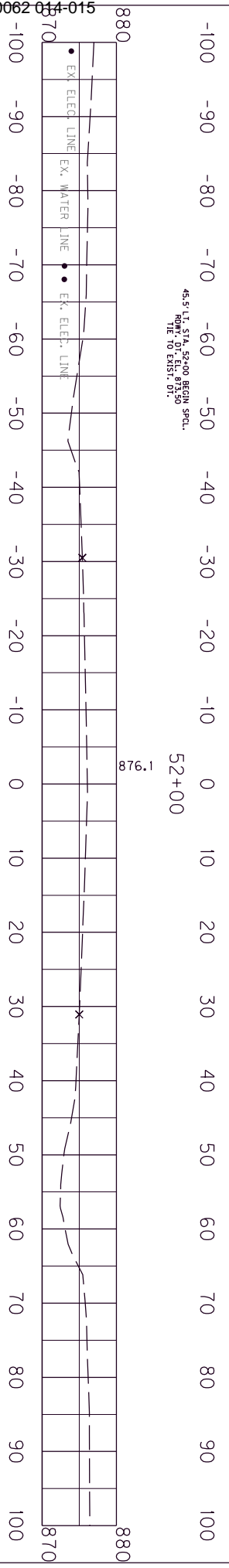


53' LT. STA. 52+59 END SPC.
RDMV, D7, EL. 875.15
HE TO IS ENR. PIPE

County	Item No.	Sheet
MASON	9-80107.00	74

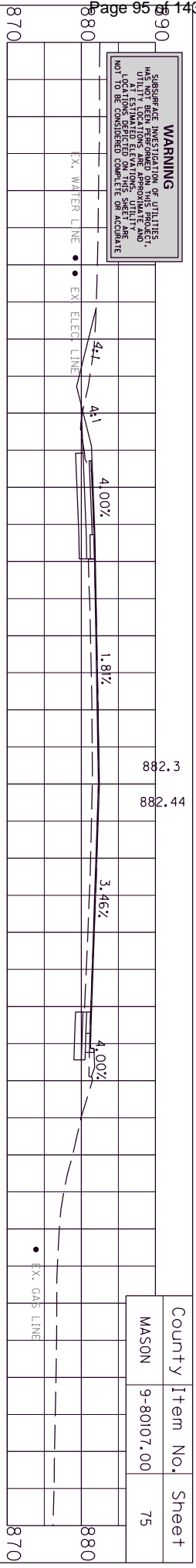


45.5' LT. STA. 52+00 BEGIN SPC.
RDMV, D7, EL. 876.80
HE TO EXIST. PIPE

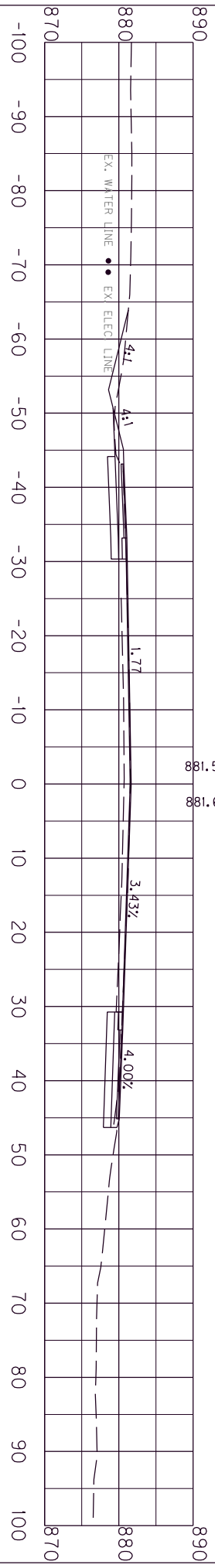


US 62
SCALE: 1" = 20'
STA. 51+80 TO STA. 52+60

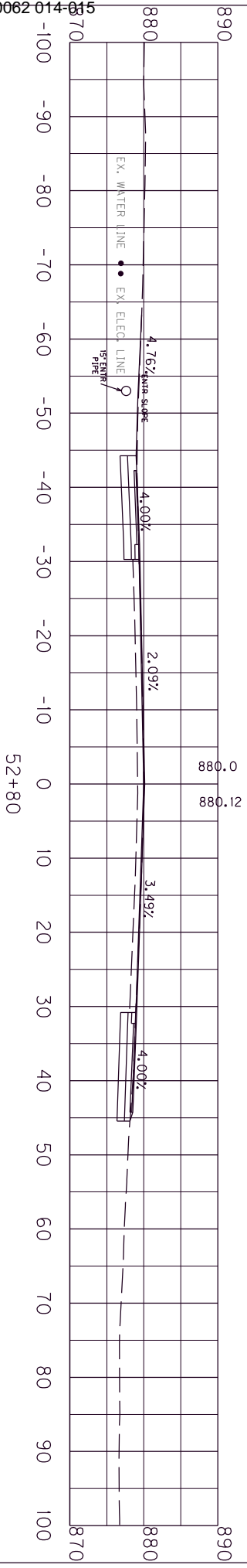
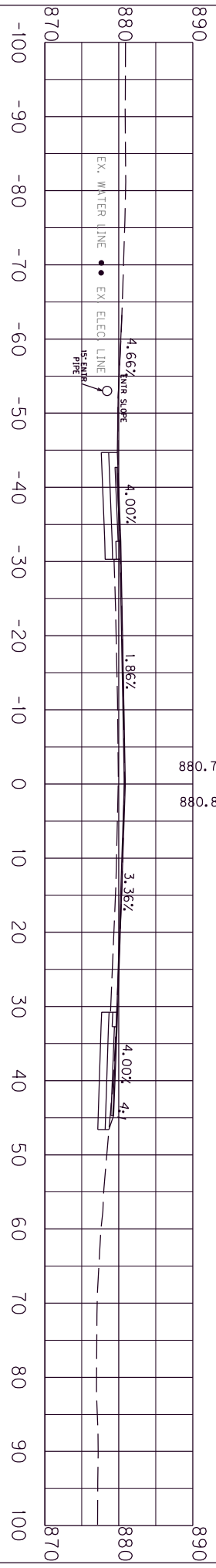
WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. ALL LOCATIONS DEPICTED ON THIS SHEET ARE UNLESS OTHERWISE NOTED, ESTIMATED. LOCATIONS SHOULD BE VERIFIED AND NO. 10 BE CONSIDERED COMPLETE OR ACCURATE.



County	Item No.	Sheet
MASON	9-80107.00	75



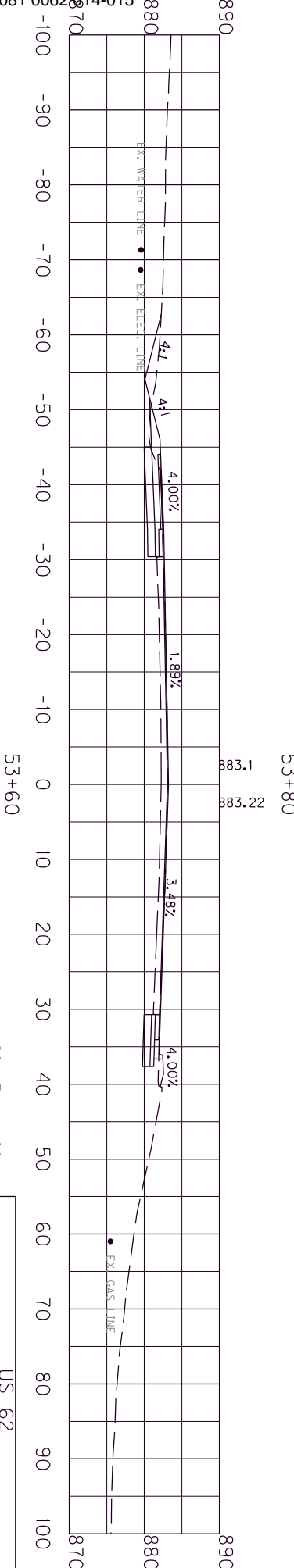
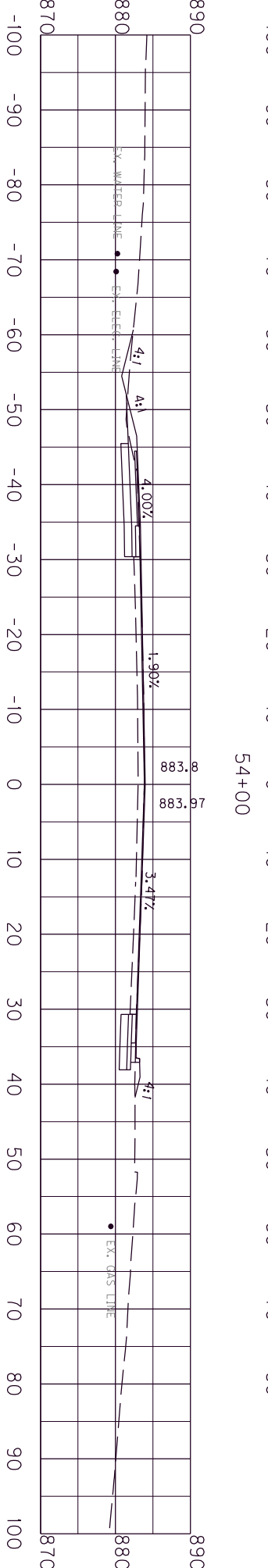
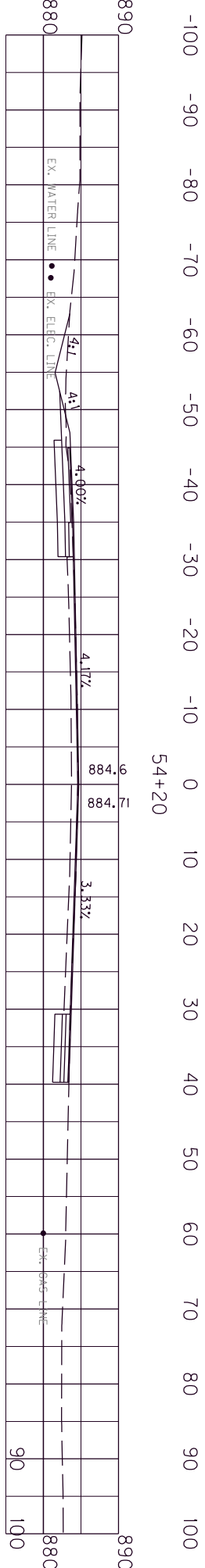
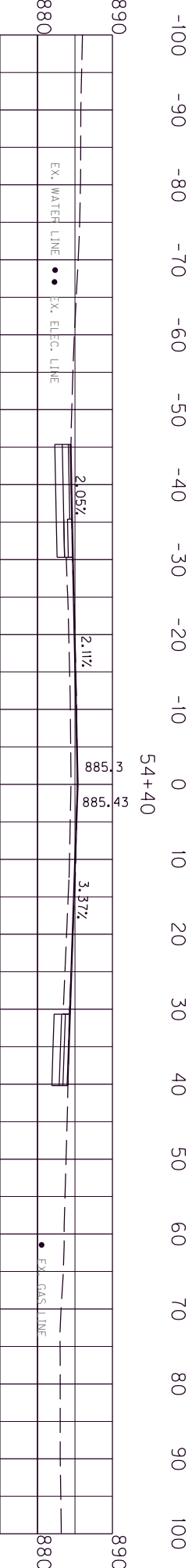
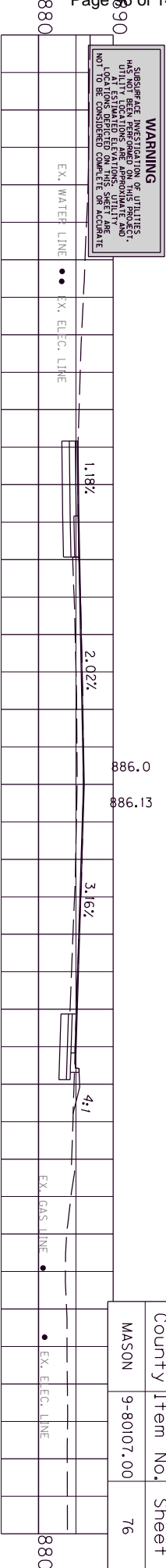
53+09 ENR, PIPE I.E. 878.16



US 62
 SCALE: 1" = 20'
 STA. 52+80 TO STA. 53+40

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 ALL UTILITY LOCATIONS SHOWN ON THIS SHEET ARE
 BASED ON RECORD DRAWINGS AND FIELD SURVEY.
 UTILITY LOCATIONS DEPICTED ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE.

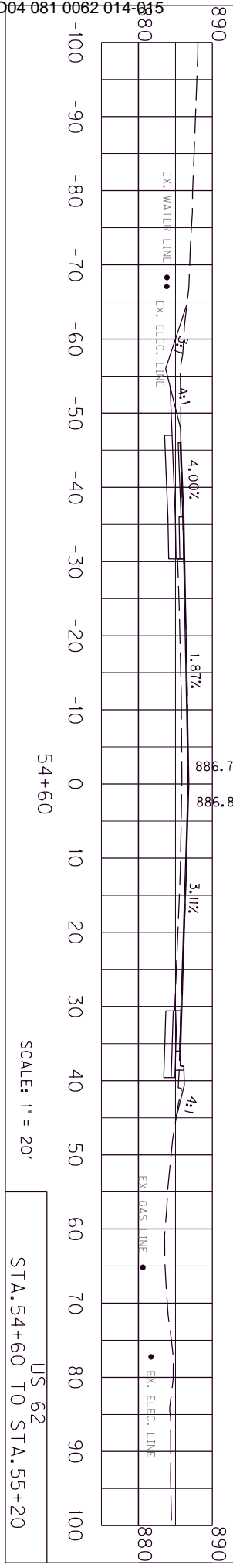
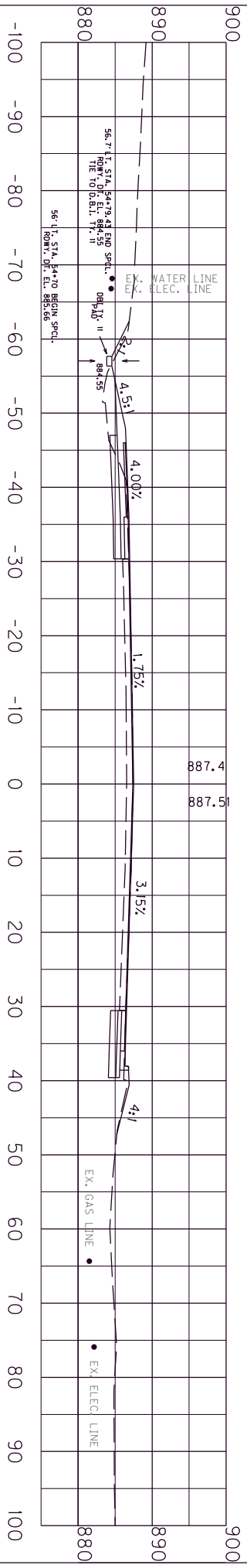
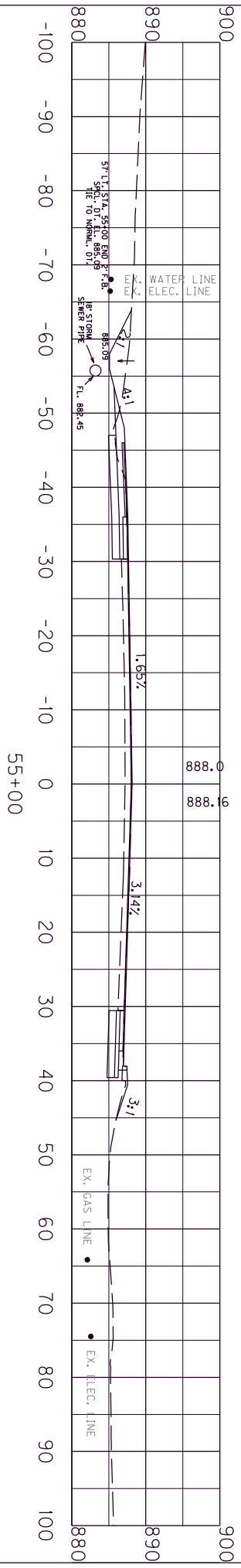
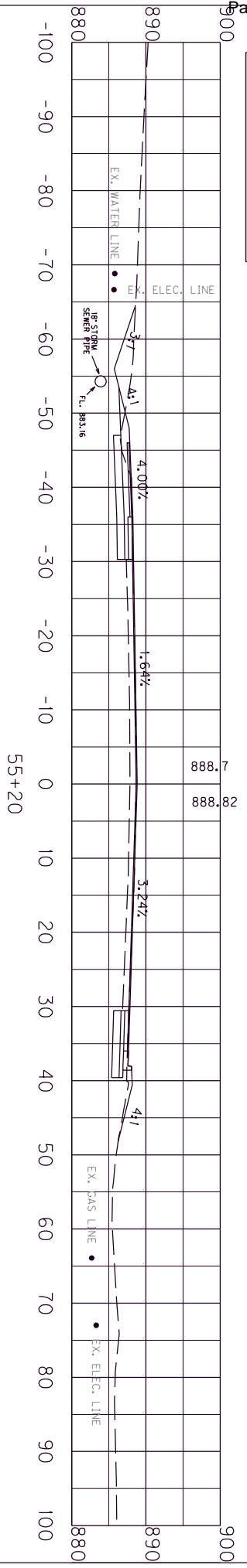
County	Item No.	Sheet
MASON	9-80107.00	76



US 62
 STA. 53+60 TO STA. 54+40
 SCALE: 1" = 20'

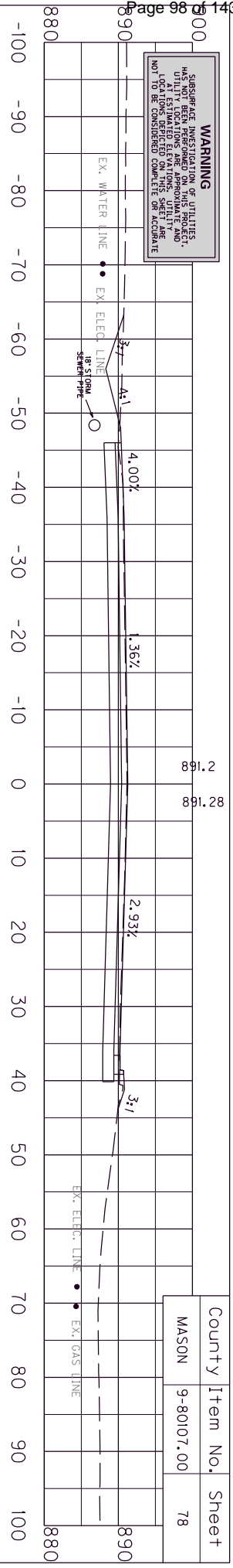
WARNING
SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. ALL UTILITIES SHOWN ON THIS SHEET ARE LOCATIONS DERIVED FROM PREVIOUS RECORDS. LOCATIONS DEPICTED ON THIS SHEET ARE NOT TO BE CONSIDERED COMPLETE OR ACCURATE.

County	Item No.	Sheet
MASON	9-80107.00	77

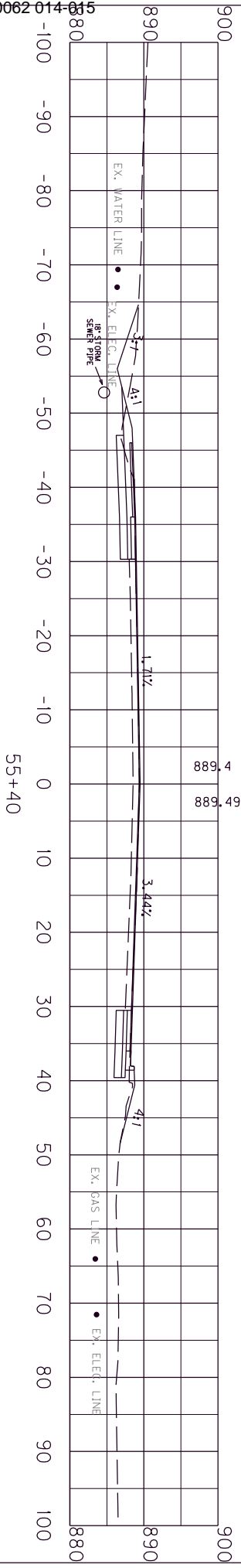
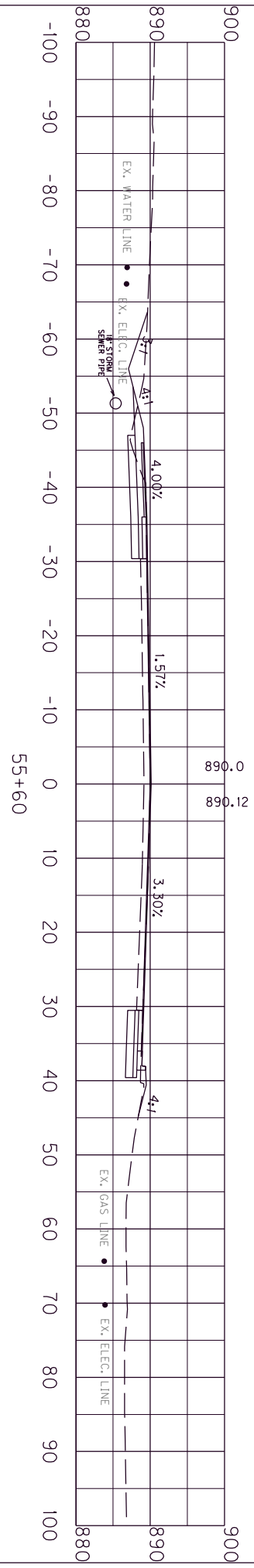
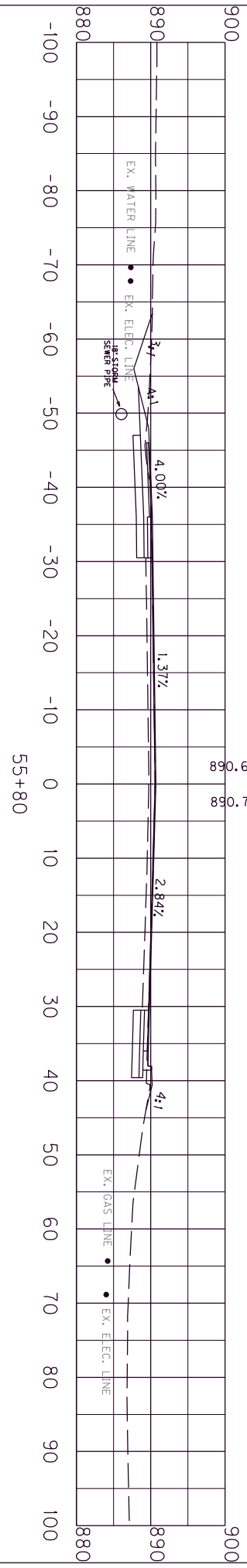


US 62
SCALE: 1" = 20'
STA. 54+60 TO STA. 55+20

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITIES LOCATIONS SHOWN ON THIS SHEET ARE
 BASED ON ESTIMATED ELEVATIONS, CONDUIT SIZE,
 AND DEPTHS. LOCATIONS DEPICTED ON THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE.

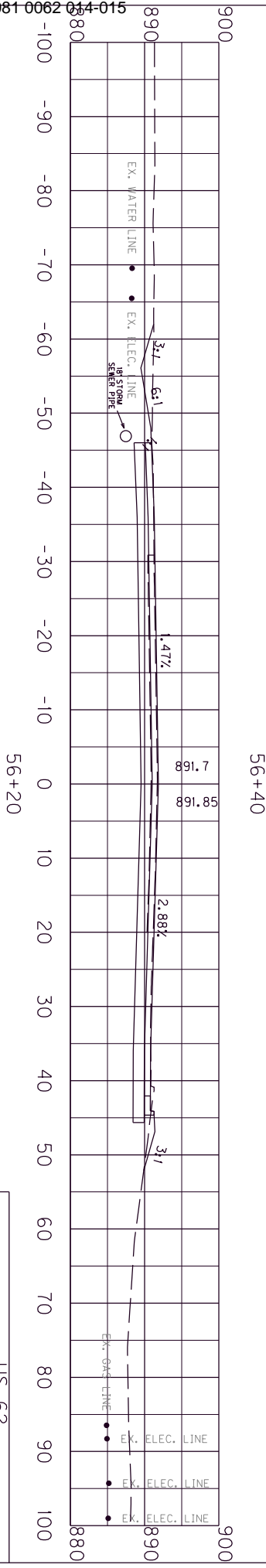
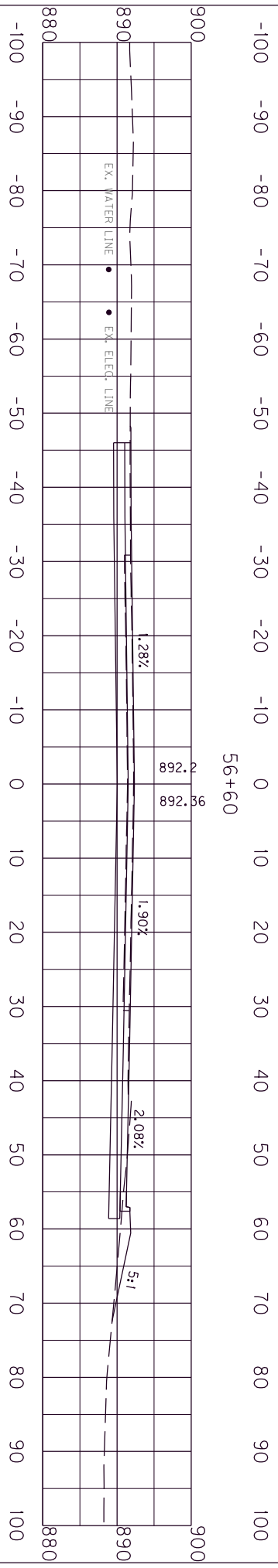
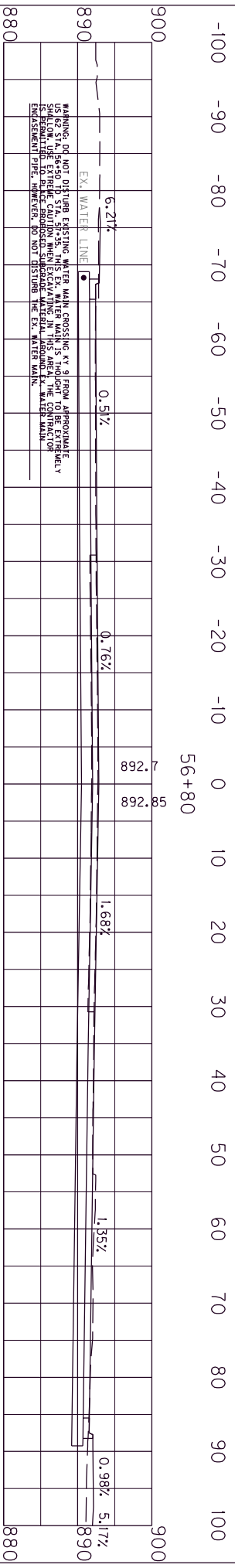
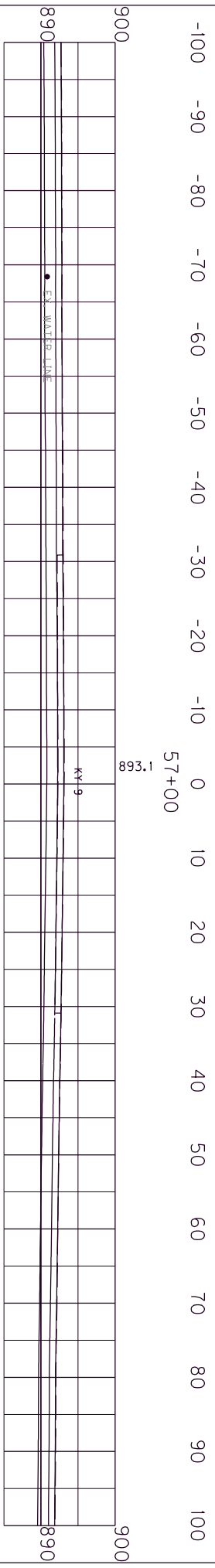
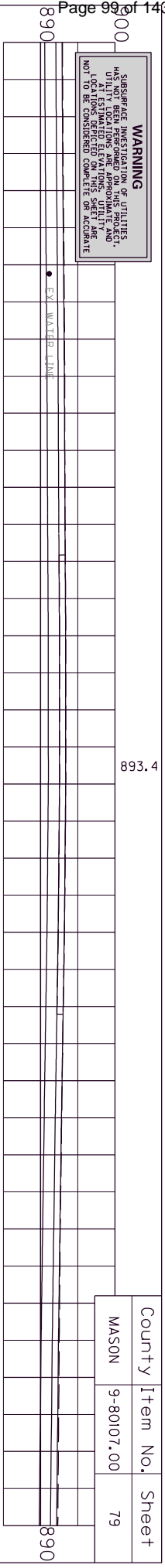


County	Item No.	Sheet
MASON	9-80107.00	78



US 62
 SCALE: 1" = 20'
 STA. 55+40 TO STA. 56+00

WARNING
SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. ALL UTILITIES SHOWN ON THIS SHEET ARE LOCATIONS DERIVED FROM THIS SHEET AND NOT TO BE CONSIDERED COMPLETE OR ACCURATE.

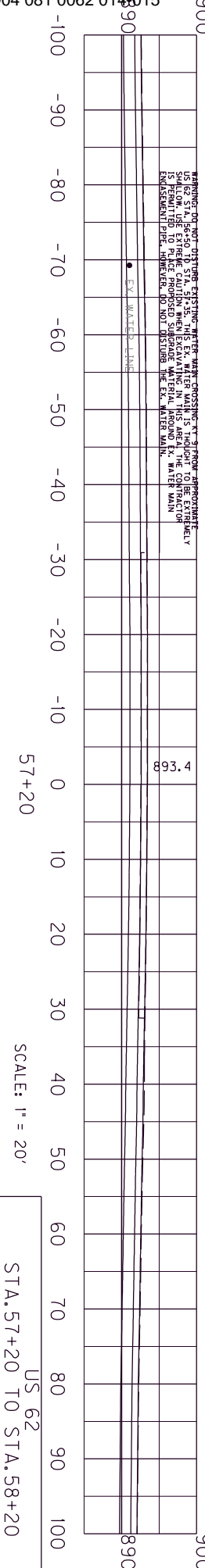
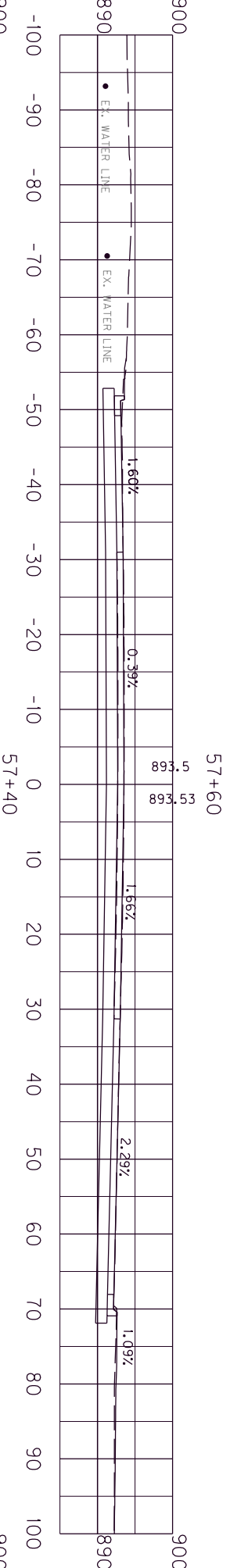
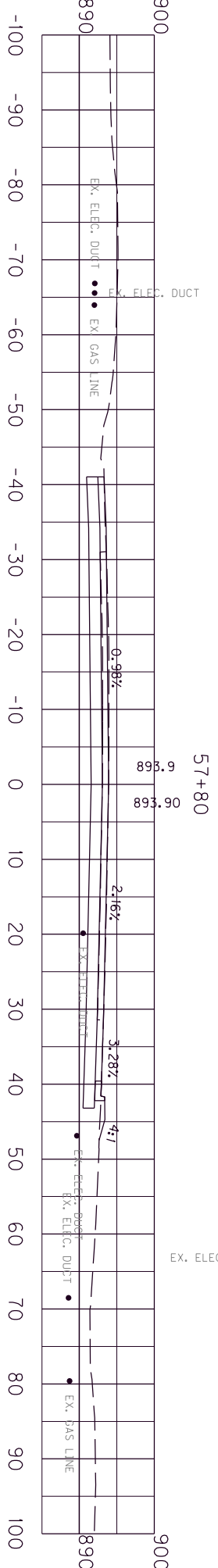
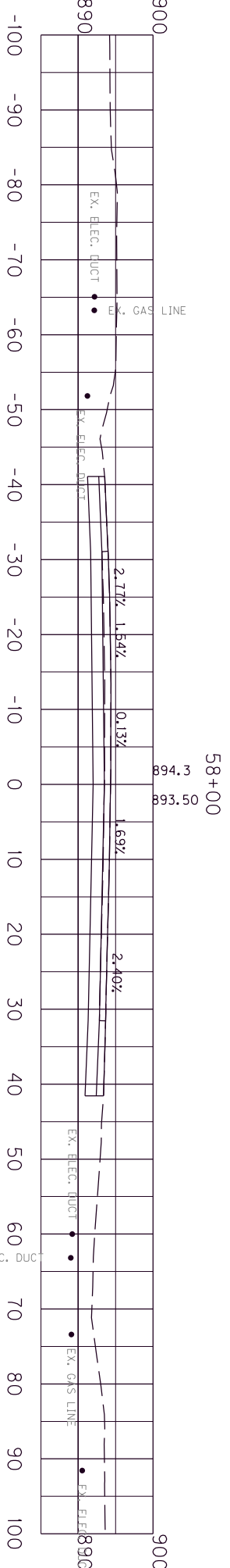
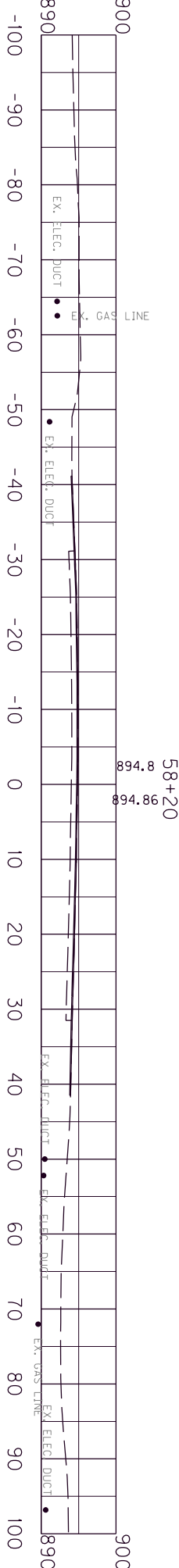


County	Item No.	Sheet
MASON	9-80107.00	79

US 62
SCALE: 1" = 20'
STA. 56+20 TO STA. 57+00

WARNING
SUBSURFACE INVESTIGATION OF UTILITIES HAS NOT BEEN PERFORMED ON THIS PROJECT. LOCATIONS DEPICTED ON THIS SHEET ARE NOT TO BE CONSIDERED COMPLETE OR ACCURATE.

County	Item No.	Sheet
MASON	9-80107.00	80

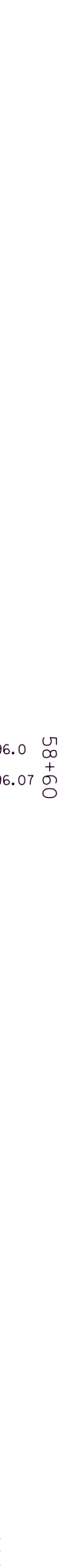
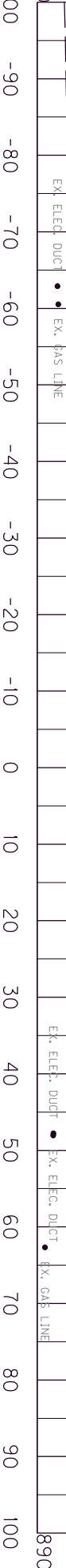
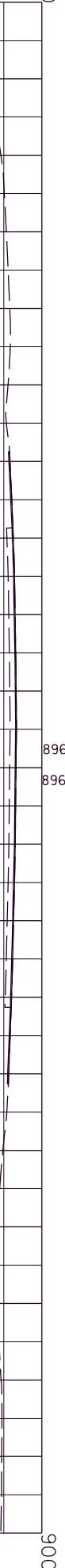
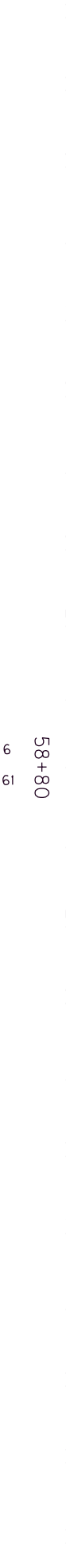
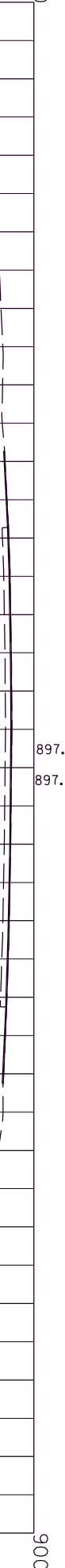
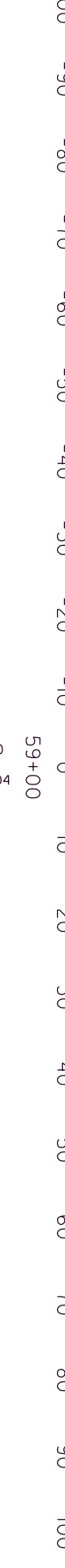
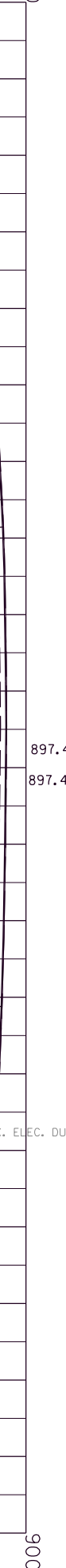
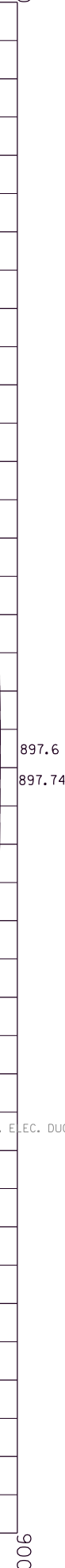
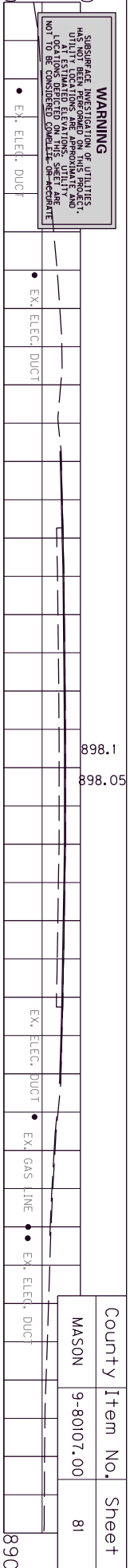


WARNING: DO NOT DISTURB EXISTING WATER MAIN CROSSING TO PROVE APPROXIMATE US 62 STA. 56+50 TO STA. 57+35. THIS EX. WATER MAIN IS THOUGHT TO BE EXTERNALLY SCHEDULED TO THE EXISTING MASON WATER MAIN. THIS AREA IS THE CONTROL POINT FOR THE EX. WATER MAIN. HOWEVER, DO NOT DISTURB THE EX. WATER MAIN.

SCALE: 1" = 20'

US 62
STA. 57+20 TO STA. 58+20

WARNING
SUBSPACE INVESTIGATION OF UTILITIES
HAS NOT BEEN PERFORMED ON THIS PROJECT.
UTILITIES LOCATIONS SHOWN ON THIS SHEET ARE
LOCATIONS DERIVED FROM THIS SHEET AND
NOT FIELD SURVEY DATA. LOCATIONS SHOULD
NOT BE CONSIDERED GUARANTEED OR ASSURED.

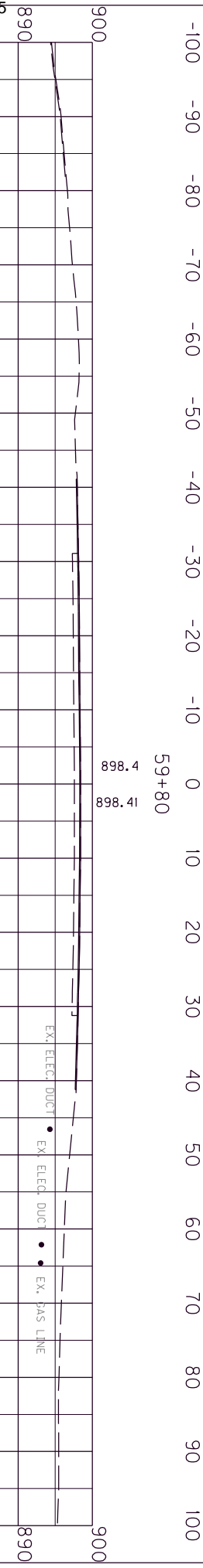
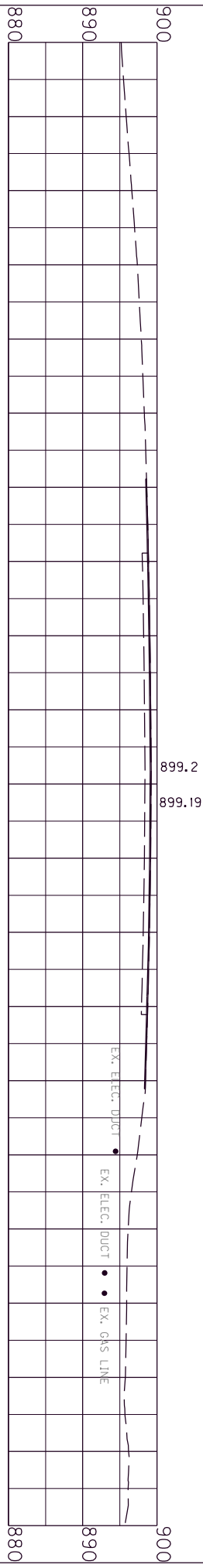
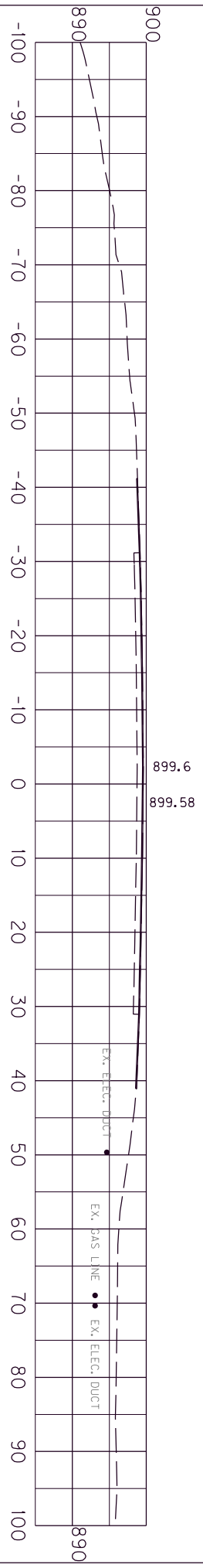


US 62
SCALE: 1" = 20'
STA. 58+40 TO STA. 59+40

County	Item No.	Sheet
MASON	9-80107.00	81

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
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 LOCATIONS DERIVED FROM PREVIOUS
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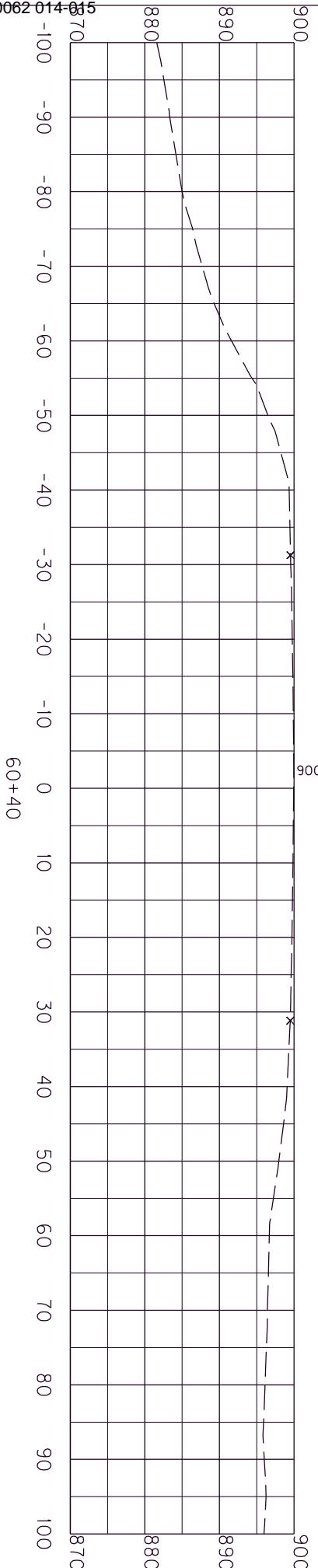
County	Item No.	Sheet
MASON	9-80107.00	82



SCALE: 1" = 20'
 US 62
 STA. 59+60 TO STA. 60+20

WARNING
 SURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 UTILITIES ARE SHOWN ON THIS SHEET AS
 LOCATIONS DERIVED FROM THIS SHEET ARE
 NOT TO BE CONSIDERED COMPLETE OR ACCURATE

County	Item No.	Sheet
MASON	9-80107.00	83

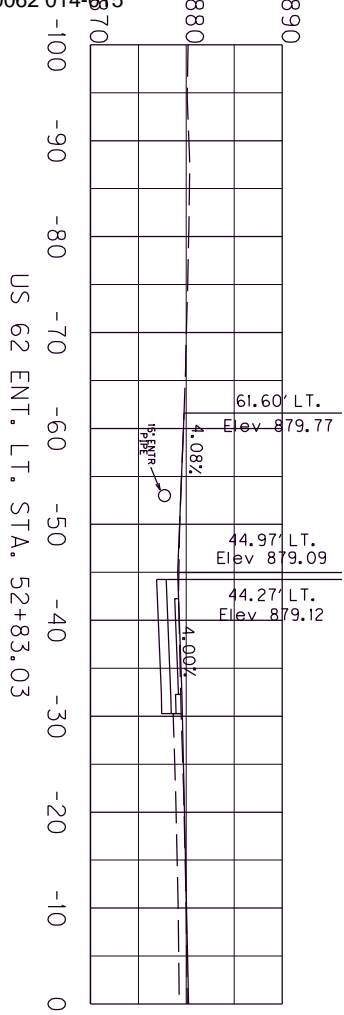
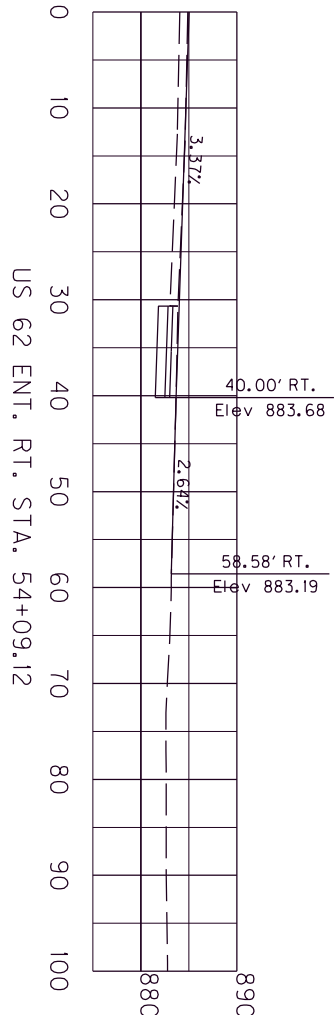
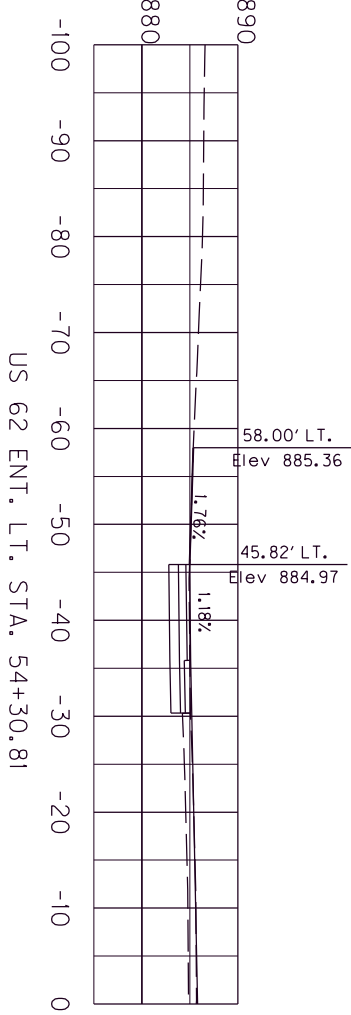
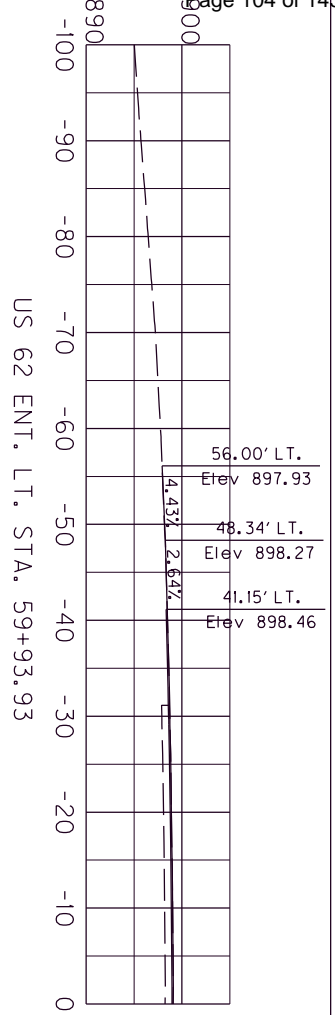


SCALE: 1" = 20'

US 62
 STA. 60+40

WARNING
 SUBSURFACE INVESTIGATION OF UTILITIES
 HAS NOT BEEN PERFORMED ON THIS PROJECT.
 ALL UTILITY LOCATIONS SHOWN ON THIS SHEET ARE
 EITHER ESTIMATED OR BASED ON PREVIOUS UTILITY
 LOCATIONS SHOWN ON THIS SHEET AND
 SHOULD BE CONSIDERED COMPLETELY INACCURATE.

County	Item No.	Sheet
MASON	9-80107.00	84



SCALE: 1" = 20'

US 62
ENTRANCES

TRAFFIC SIGNAL ESTIMATE OF QUANTITIES

TOTAL UNITS	CODE	ITEM DESCRIPTION
1600	LIN FT	4845 CABLE-NO. 14/7C
1	EACH	4950 REMOVE SIGNAL EQUIPMENT
14	EACH	2018BNS835 INSTALL SIGNAL-3 SECTION LED
4	EACH	2619EC INSTALL RADAR PRESENCE DETECTOR TYPE A
20	EACH	4953 TEMPORARY RELOCATION OF SIGNAL HEAD*

* FOR MAINTAIN AND CONTROL TRAFFIC

THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, CURRENT EDITION, AND OTHER SPECIAL NOTES AND SPECIFICATIONS WILL APPLY ON THIS PROJECT. SEE SECTION 706, 723, AND 112 FOR MEASUREMENT AND OTHER DETAILS. SEE SECTION 602 FOR SPIRAL REINFORCEMENT SPLICING.

THE CONTRACTOR SHALL MAKE AN INSPECTION OF THE PROJECT SITE PRIOR TO SUBMITTING A BID AND SHALL BE THOROUGHLY FAMILIARIZED WITH EXISTING CONDITIONS. SUBMISSIONS OF A BID WILL BE CONSIDERED AN AFFIRMATION OF THIS INSPECTION HAVING BEEN COMPLETED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PICKING UP MATERIALS FOR INSTALL ITEMS AT KYTC'S DIVISION OF EQUIPMENT WAREHOUSE 1239 WILKINSON BOULEVARD, FRANKFORT, KY 40622). THE FOLLOWING PROCEDURES SHALL BE FOLLOWED FOR MATERIAL RELEASE, FAILURE TO FOLLOW THESE PROCEDURES MAY RESULT IN LONG DELAYS OR REFUSAL TO DISTRIBUTE MATERIALS UPON ARRIVAL.

1. CONTRACTOR SHALL SECURE THE SIGNATURES OF KYTC'S PROJECT ENGINEER AND THE ELECTRICAL CONTRACTOR'S FOREMAN ON THE PROJECT MATERIALS RELEASE FORM. IF THE RELEASE FORM IS NOT IN THE PROPOSAL, CONTACT KIM STAMPER OR KERRY DECKER WITH THE DIVISION OF TRAFFIC OPERATIONS BY PHONE (502-782-8994/502-782-5536) OR EMAIL (KIM.STAMPER@KYTC.GOV/KERRY.DECKER@KYTC.GOV).
2. CONTRACTOR SHALL CONTACT THE WAREHOUSE TO PREARRANGE PICK UP OF MATERIALS. CONTRACTOR SHALL EMAIL THE PROJECT MATERIALS RELEASE FORM WITH REQUIRED SIGNATURES TO THE WAREHOUSE AT KIM.STAMPER@KYTC.GOV AND SHALL NOTIFY THE WAREHOUSE BY PHONE (502-782-8994/502-330-8153) OR EMAIL KIM.STAMPER@KYTC.GOV AT LEAST TWO (2) WORKING DAYS PRIOR TO ARRIVAL.
3. CONTRACTOR SHALL ALSO CONTACT THE SIGNAL SYSTEM BRANCH OF THE DIVISION OF TRAFFIC OPERATIONS BY PHONE (502-782-5543/502-782-5547) OR EMAIL (JUDIE.THOMPSON@KYTC.GOV/LARRY.IRISH@KYTC.GOV) AT LEAST TWO (2) WORKING DAYS PRIOR TO ARRIVAL TO FACILITATE PROGRAMMING OF ROUTERS.
4. CONTRACTOR SHALL ARRIVE AT THE KYTC'S DIVISION OF EQUIPMENT WAREHOUSE 1239 WILKINSON BOULEVARD, FRANKFORT, KY 40622) AT THE PREARRANGED DATE/TIME FOR MATERIAL PICK UP. TO FACILITATE THIS PROCESS, ENSURE CONTRACTOR'S DELIVERY DRIVER HAS A COPY OF THE PROJECT MATERIALS RELEASE FORM WITH THE REQUIRED SIGNATURES.

CONSTRUCTION AND MEASUREMENT NOTES THAT ARE CONTRARY TO SECTION 723

SUBSECTION: 03.12 WIRING INSTALLATION
REVISION: SEE TRAFFIC OPERATIONS WEBSITE FOR WORD DOCUMENT TO REPLACE ALL CHARTS FOR WIRING TO SHOW CHANGES FOR EQUIPMENT GROUNDING.

MATERIAL NOTES THAT ARE CONTRARY TO SECTION 835

SUBSECTION: .17 WIRE AND CABLE
REVISION: ADD SENTENCE: ALL WIRE SHALL HAVE WORDING ADDED TO THE OUTER JACKET THAT STATES, "PROPERTY OF KENTUCKY TRANSPORTATION CABINET 502-564-0501".

SUBSECTION: .21 WARNING TAPE
REVISION: REPLACE FIRST SENTENCE WITH THE FOLLOWING IN 834.33: PROVIDE DETECTABLE TYPE TAPE THAT IS 6 INCHES WIDE AND 7.0 MILS (NOMINAL) THICK.

MEASUREMENT NOTES THAT ARE IN ADDITION TO SECTION 723

REMOVE SIGNAL EQUIPMENT SHALL INCLUDE REMOVING EX. SIGNS, SIGNAL HEADS, SIGNAL AND LOOP WIRING, JUNCTION BOXES, AND ANY OTHER TRAFFIC SIGNAL EQUIPMENT NOT TO BE REUSED. DO NOT DISTURB EX. CONTROLLER, CONTROLLER CABINET, POLES, OR MESSENGER.

INSTALL RADAR PRESENCE DETECTOR TYPE A SHALL CONSIST OF INSTALLATION OF A POLE MOUNTED RADAR PRESENCE SENSOR, SENSOR MOUNTING BRACKET, SENSOR CABLES, INTERFACE BOXES, LEAD-IN CABLE, CONNECTORS, FURNISHED BY CONTRACTOR, AND CONTROLLER INTERFACE ASSEMBLY. RADAR PRESENCE DETECTOR TYPE A BID ITEM SHALL INCLUDE ALL LABOR REQUIRED TO PROVIDE A FUNCTIONAL DETECTION SYSTEM. RADAR PRESENCE DETECTOR TYPE A SHALL BE INSTALLED AND WIRED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS. AFTER THE DETECTOR IS INSTALLED AND BEFORE THE DETECTOR IS POWERED ON, THE CONTRACTOR SHALL COORDINATE WITH DISTRICT TRAFFIC DIVISION'S REPRESENTATIVES TO SCHEDULE A TIME TO PERFORM THE DETECTOR SETUP. THE CONTRACTOR SHALL DOUBLE CHECK TO VERIFY THAT ALL WIRING IS CORRECTLY INSTALLED AND CONNECTED BEFORE SCHEDULING THE SETUP WORK. REPRESENTATIVES FROM KYTC AND/OR THE MANUFACTURER OR SALES REPRESENTATIVE WILL ASSIST WITH SETUP AND CALIBRATION. THE CONTRACTOR SHALL PROVIDE A BUCKET TRUCK AND OPERATORS AT THIS TIME FOR FINAL AIMING OF THE SENSORS. THE CONTRACTOR SHALL PROVIDE INDIVIDUALS CAPABLE OF OPERATING THE SETUP SOFTWARE AND LEARNING THE SETUP PROCESS SO THAT FUTURE INSTALLATIONS MAY BE COMPLETED WITHOUT ASSISTANCE FROM OTHERS.

TRAFFIC SIGNAL
ESTIMATE OF QUANTITIES
MEASUREMENT, CONST. & MISC NOTES

County	Item No.	Sheet
MASON	9-80107.00	85

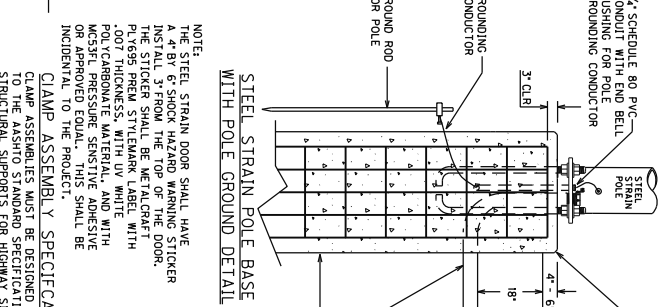
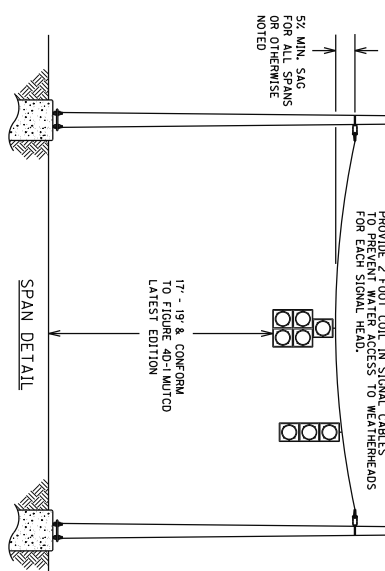
County	Item No.	Sheet
MASON	9-80107.00	86

ALL CONDUITS USED FOR THE TELEPHONE, GROUNDING, SPARE, AND SERVICE THAT ARE INSTALLED IN THE POLE BASE ARE INCIDENTAL TO THE POLE ASSEMBLY. THIS INCLUDES PROVIDING A MINIMUM OF 24 INCHES OF CONDUIT FROM THE EDGE OF THE CONCRETE POLE BASE.

ALL CONDUITS SHALL BE INSTALLED BETWEEN 4 TO 6 INCHES ABOVE THE CONCRETE PAD, AND THEY CANNOT EXCEED THE 6 INCH HEIGHT.

OVERHEAD SERVICE WIRES SHALL BE INSTALLED ON THE EXTERIOR OF THE POLE IN A 1" RIGID STEEL CONDUIT WITH WEATHERHEAD, OR ON THE INSIDE THE STEEL STRAIN POLE IN A FLEXIBLE CONDUIT.

UNDERGROUND SERVICE WIRES SHALL BE INSTALLED IN 1" RIGID STEEL CONDUIT AS SHOWN ON THE CONTROLLER CABINET DETAIL SHEET.



NOTE: THE STEEL STRAIN DOOR SHALL HAVE A 4 BY 6 SHOCK HAZARD WARNING STICKER AS ALL THE TOP OF THE DOOR. PLUGS PREP STYLEMARK LABEL WITH POLYCARBONATE MATERIAL, AND WITH MESH PRESSURE SENSITIVE ADHESIVE INCIDENT TO THE PROJECT.

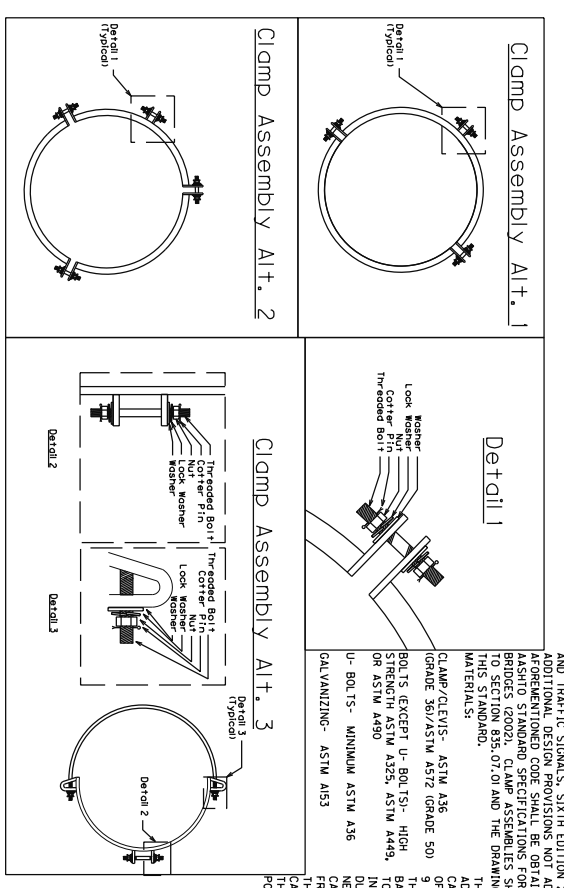
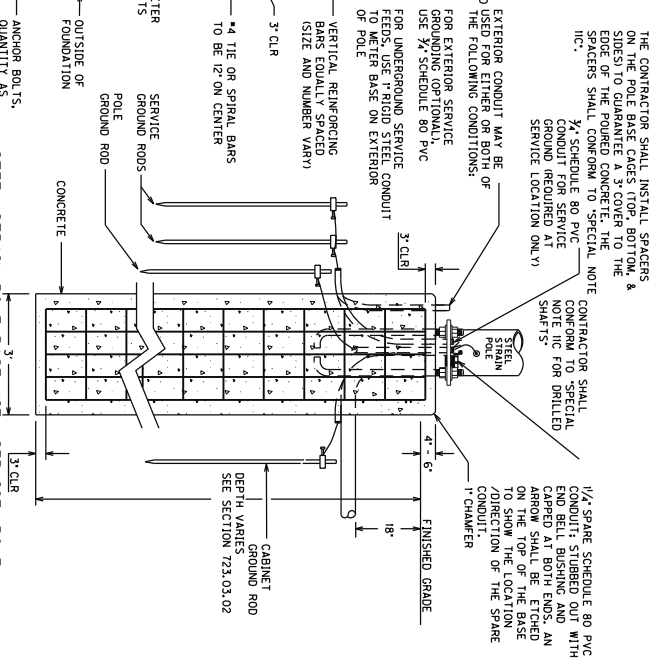
CLAMP ASSEMBLY SPECIFICATIONS
 CLAMP ASSEMBLIES MUST BE DESIGNED IN ACCORDANCE WITH THE FOLLOWING STANDARDS: STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, SIXTH EDITION 2013. ADDITIONAL DESIGN PROVISIONS NOT ADDRESSED IN THE ABOVE STANDARDS SPECIFICATIONS FOR HIGHWAY SIGNS AND TRAFFIC SIGNALS SHALL BE OBTAINED FROM THE DRAWINGS SHOWN ON THIS STANDARD.

CLAMP (C/E/S) - ASTM A36 (GRADE 36/ASTM A572 (GRADE 50) BOLTS (EXCEPT U-BOLTS) - HIGH STRENGTH ASTM A325, ASTM A449, OR ASTM A490 U-BOLTS - MINIMUM ASTM A36 GALVANIZING - ASTM A153

DETAIL 1

DETAIL 2

DETAIL 3



BENDING DETAIL FOR THE BARS
 THE CONTRACTOR SHALL ADD A 16-GAUGE CORRUGATED STEEL CASING TO THE INSTALLATION OF THE NEW POLE BASE IF BASE IS TO CENTER TO CENTER FROM THE EXISTING POLE. ANCHORS SHALL BE INSTALLED ON THE EXISTING POLE DURING CONSTRUCTION OF THE CASING TO CENTER TO CENTER FROM THE EXISTING POLE. THE CASING SHALL BE INCIDENTAL TO THE INSTALLATION OF THE POLE BASE.

3" GALVANIZED CABLE RINGS (18" MAX. SPACING) SHALL BE INSTALLED ACROSS THE WHOLE LENGTH OF THE SPAN.

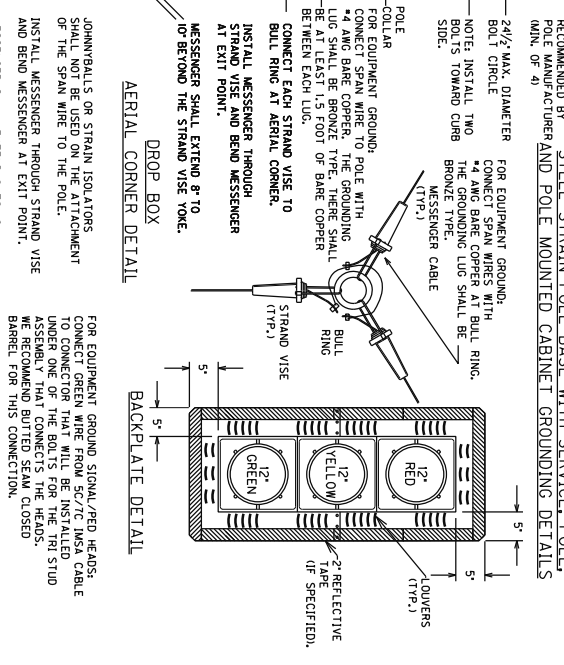
PROVIDE SAG IN WIRES TO PREVENT WATER IN WEATHERHEAD

SPAN WIRE DETAIL

STRAND VISE

MESSENGER CABLE

POLE



POLE BASE/SIGNAL HEAD DETAILS

FOR EQUIPMENT GROUND SIGNAL/RED HEADS, CONNECT GREEN WIRE FROM SC7C JMSA CABLE TO CONNECTOR THAT WILL BE INSTALLED UNDER ONE OF THE BOLTS FOR THE TRI STUD ASSEMBLY THAT CONNECTS THE HEADS. RECOMMEND BOTTLED SEMA CLOSED BARREL FOR THIS CONNECTION.

FOR EQUIPMENT GROUND SIGNAL/RED HEADS, CONNECT GREEN WIRE FROM SC7C JMSA CABLE TO CONNECTOR THAT WILL BE INSTALLED UNDER ONE OF THE BOLTS FOR THE TRI STUD ASSEMBLY THAT CONNECTS THE HEADS. RECOMMEND BOTTLED SEMA CLOSED BARREL FOR THIS CONNECTION.

US 62

County	Item No.	Sheet
MASON	9-80107.00	87

WIRING SCHEDULE

CABLE	ORIGIN	ENDING	CONNECTING
1-#14/7C	CONTROLLER	S.H. 1B	S.H. 1A & 1B
1-#14/7C	CONTROLLER	S.H. 2A	S.H. 2A & 2B
1-#14/7C	CONTROLLER	S.H. 3B	S.H. 3A & 3B
1-#14/7C	CONTROLLER	S.H. 4A	S.H. 4A & 4B
1-#14/7C	CONTROLLER	S.H. 5	S.H. 5
1-#14/7C	CONTROLLER	S.H. 6B	S.H. 6A & 6B
1-#14/7C	CONTROLLER	S.H. 7	S.H. 7
1-#14/7C	CONTROLLER	S.H. 8B	S.H. 8A & 8B

DO NOT DISTURB EX. STEEL STRAIN POLE A.
INSTALL ONE (1) RADAR PRESENCE DETECTOR
(TYPE A) ON POLE A.

DO NOT DISTURB EX. SPAN WIRE
OR EX. TETHER SPAN WIRE

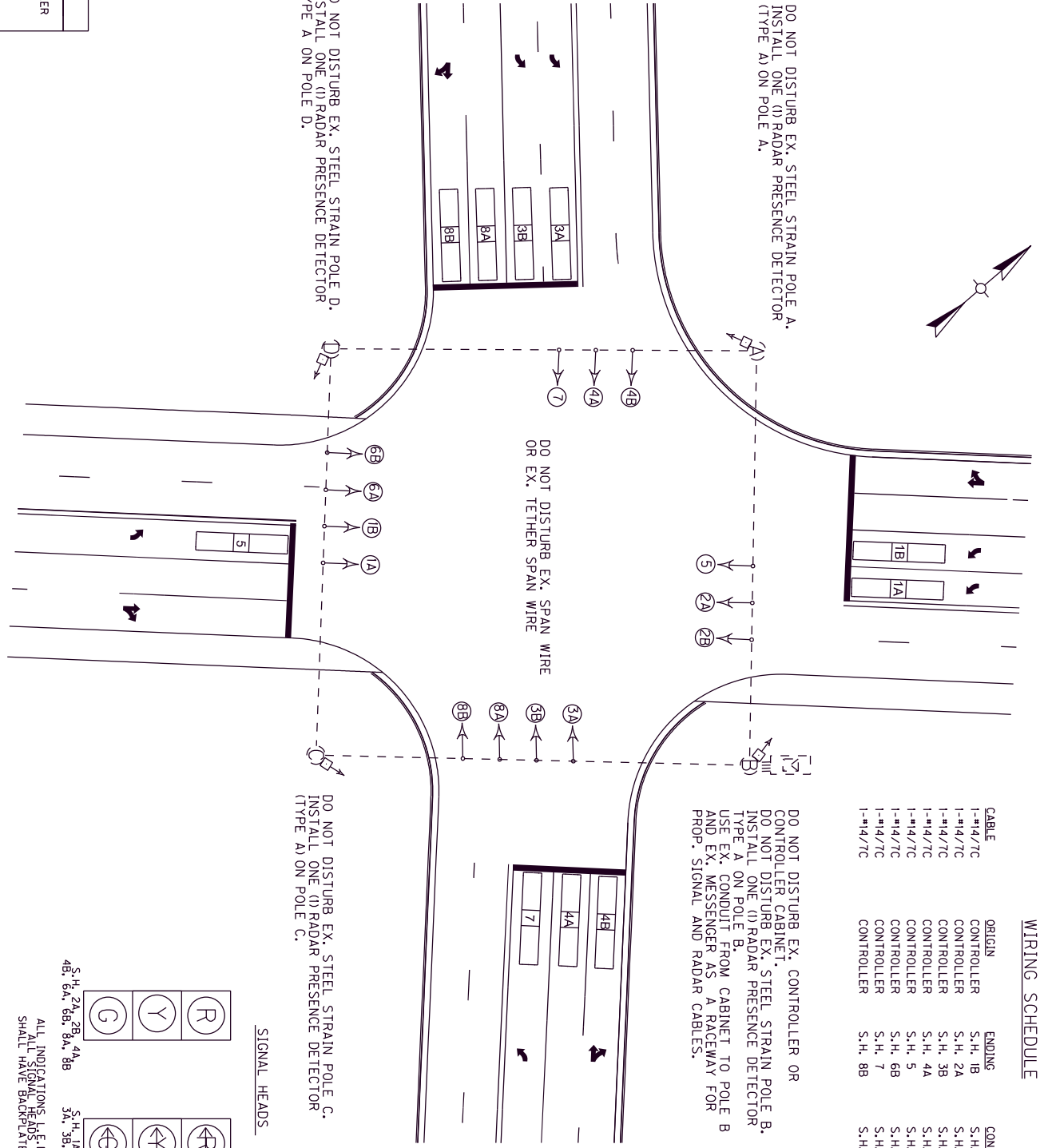
DO NOT DISTURB EX. STEEL STRAIN POLE D.
INSTALL ONE (1) RADAR PRESENCE DETECTOR
TYPE A ON POLE D.

DO NOT DISTURB EX. STEEL STRAIN POLE C.
INSTALL ONE (1) RADAR PRESENCE DETECTOR
(TYPE A) ON POLE C.

DO NOT DISTURB EX. CONTROLLER OR
CONTROLLER CABINET.
DO NOT DISTURB EX. STEEL STRAIN POLE B.
INSTALL ONE (1) RADAR PRESENCE DETECTOR
TYPE A ON POLE B.
USE EX. CONDUIT FROM CABINET TO POLE B
AND EX. MESSENGER AS A RACEWAY FOR
PROP. SIGNAL AND RADAR CABLES.

LEGEND

- EX. BASE MOUNTED CONTROLLER
- EX. STEEL STRAIN POLE
- PROP. SIGNAL HEAD
- RADAR DETECTOR
- RADAR DETECTION ZONE



SIGNAL HEADS

$S_1^H, 2A, 2B, 4A, 4B, 6A, 6B, 8A, 8B$

$S_1^H, 1A, 1B, 3A, 3B, 5, 7$

ALL INDICATIONS I.E.D. SHALL HAVE BACKPLATES

US 62 & KY 9
TRAFFIC SIGNAL LAYOUT
SCALE 1"=50'

REFERENCES

1. Kentucky Transportation Cabinet, Department of Highways, Standard Specifications for Road and Bridge Construction, current edition.
2. Kentucky Transportation Cabinet, Department of Highways, Standard Specifications for Road and Bridge Construction, Current Edition, Including - Supplemental Specifications, as applicable.
3. FHWA Manual on Uniform Traffic Control Devices, Current Edition.
4. Kentucky Department of Highways Standard Drawings, Current Edition, as applicable:

RBI-001-12	TYPICAL GUARDRAIL INSTALLATIONS
RBI-002-07	TYPICAL GUARDRAIL INSTALLATIONS
RBI-003-09	TYPICAL INSTALLATION FOR GUARDRAIL END TREATMENT TYPE 2A
RBR-001-13	STEEL BEAM GUARDRAIL ("W" BEAM)
RBR-005-11	GUARDRAIL COMPONENTS
RBR-010-06	GUARDRAIL TERMINAL SECTIONS
RBR-015-06	STEEL GUARDRAIL POSTS
RBR-025-06	GUARDRAIL END TREATMENT TYPE 2A
RDB-011-08	DROP BOX INLET TYPE 11
RDB-270-09	CURB BOX INLET TYPE A (DETAIL DRAWING)
RDB-271-05	CURB BOX INLET TYPE A (STEEL DRAWING)
RDB-272-07	CURB BOX INLET TYPE A (TOP PHASE TABLES)
RDB-273-06	CURB BOX INLET TYPE A (DETAIL & BAR CHART FOR 8" LID)
RDI-001-10	CULVERT, ENTRANCE, & STORM SEWER PIPE TYPES & COVER HEIGHTS
RDI-020-10	PIPE BEDDING FOR CULVERTS, ENTRANCE, AND STORM SEWER PIPE
RDI-041	EROSION CONTROL BLANKET CHANNEL INSTALLATION
RDP-001-06	PERFORATED PIPE TYPES AND COVER HEIGHTS
RDP-005-05	PERFORATED PIPE FOR SUBGRADE DRAINAGE
RDX-005-03	JUNCTION BOX TYPE B
RDX-210-03	TEMPORARY SILT FENCE
RDX-220-05	SILT TRAP TYPE A
RDX-225-07	SILT TRAP TYPE B
RDX-230	SILT TRAP TYPE C
RFC-001-08	CHAIN LINK FENCE 4' TO 6' HIGH
RPM-100-11	CURB AND GUTTER, CURB AND VALLEY GUTTER
RPM-110-07	APPROACHES, ENTRANCES AND MAILBOX TURNOUT
RPN-015-05	JOINTED PLAIN CONCRETE PAVEMENT
RPS-010-11	CONCRETE PAVEMENT JOINT DETAILS
RPS-031-06	CONCRETE PAVEMENT JOINTS TYPES AND SPACING

RPX-010-05	PREFORMED COMPRESSION JOINT SEAL FOR CONCRETE PAVEMENT
RPX-015-04	HOT-POURED ELASTIC JOINT SEALS FOR CONCRETE PAVEMENT
TPM-203	TYPICAL MARKINGS AT SIGNALIZED INTERSECTIONS
TPM-206	TYPICAL MARKINGS FOR TURN LANES
TPM-207	TYPICAL MARKINGS FOR TURN LANES
TTC-140-04	MEDIAN CROSSOVER CASE I
TTC-141-04	MEDIAN CROSSOVER CASE I
TTD-130	SPEED ZONE SIGNING FOR WORK ZONES

SPECIAL NOTES

Special Note 1I For Portable Changeable Message Signs *attached*

Special Note 10T For Acceptance Of JPC Pavement Thickness *attached*

Special Note 10W For Waterblasting Striping Removal *attached*

Special Note 11N Longitudinal Pavement Joint Adhesive *attached*

Special Note For Non-Tracking Tack Coat *attached*

Special Note For Class 1a Geotextile Fabrics *attached*

Special Note For Inlaid Pavement Markers *attached*

Special Note For Contaminated Soil Disposal and/or Monitoring Well Closure *attached*

Project Release Of Warehouse Materials *attached*

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.

- 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 the actual number of individual signs acceptably furnished and operated during

11

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

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SPECIAL NOTE FOR ACCEPTANCE OF JPC PAVEMENT THICKNESS

This Special Note will apply where indicated on the plans or in the proposal. Section references herein are to the Department's 2008 Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. This Special Note covers the requirements for thickness of JPC pavement. Contrary to Subsection 501.03.21 and 501.05.01, the Department will accept JPC pavement thickness from cores based on a percent within limits (PWL) per lot. The PWL will not apply for projects involving less than 2,500 square yards of pavement per bid item. For quantities less than 2,500 square yards of pavement per bid item, acceptance will be in accordance with 3.1.2 of this note.

2.0 MATERIALS. Reserved

3.0 CONSTRUCTION.

3.1 Pavement Thickness. The Engineer will determine random sampling locations according to KM 64-113. Obtain 8 cores per lot at the randomly selected locations under the observance of the Engineer. Cut cores with a nominal diameter of not less than 4 inches. Take all cores after any corrective grinding. Provide the cores to the Engineer immediately. The Department will measure cores according to KM 64-308, taking 5 measurements for all cores. Furnish all tools, labor, and materials for cutting samples and filling the cored hole. Fill core holes with a non-shrink grout approved by the Engineer within one day after sampling.

When a core thickness is deficient by one inch or more, the Department will not accept the pavement. Remove and replace the deficient pavement. Take another random core from the subplot as the Engineer directs to determine the PWL.

3.1.1 Lot Size. The Department will divide each pavement bid item into lots of 6,000 linear feet of paved width. The lot will be divided into 8 sublots of equal length (750 feet). Take a core from each subplot for determination of pavement thickness.

For bid items with over 2,500 square yards and less than 6,000 linear feet of paved width, project area will be divided into 4 equal sublots for determination of PWL.

For a remainder lot of less than 3,000 feet, the Department will add the quantity of pavement to the previous lot and the 8 sublots will be equally divided over the increased length. For a remainder lot of 3,000 feet or greater, the Department will divide the remainder lot into 8 equal sublots for acceptance.

3.1.2 Small Quantities and Miscellaneous Areas. For quantities less than 2,500 square yards per bid item and for miscellaneous areas, the acceptance may be based on either of the following:

- 1) Engineer's inspection of the base grade elevation in relation to the forms, or
- 2) Engineer's monitoring of the yield rate and visual inspection of the placement,

Miscellaneous areas are entrances and tapers less than 10 feet wide. Furnish cores for areas where there are indications of deficient thickness as the Engineer directs. Replace areas found deficient by one inch or more at no cost. The Engineer will evaluate areas found deficient by 0.50 to 0.99 inches according to Subsection 105.04 for acceptance.

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3.1.3 Statistical Evaluation. The Department will use the Variability-Unknown/Standard Deviation Method to determine the estimate percentage of the lot that is within the specification limits (PWL). The Engineer will calculate the lower quality index (QL)

$$QL = \frac{\text{Average} - LSL}{s}$$

Where: Average = the arithmetic mean of the test values. The average will be determined to the nearest tenth of an inch.
LSL = the specified thickness minus 0.20 inch.
s = Standard Deviation = $[\text{Sum (Individual Measurement - Average)}^2 / (n-1)]^{1/2}$, determined to 2 decimal places.
N = Number of measurements.

QL will be determined to 2 decimal places.

For calculation of PWL, core thickness greater than 0.75 inches more than the specified thickness will be rounded down to the specified thickness plus 0.75 inch.

Percent Within Limits (PWL) will be determined by the attached tables with QL, for n = the number of tests for the Lot. PWL will be determined to 2 decimal places.

For all calculations round down when the last significant digit is followed by a number less than 5 and round up when the last significant digit is followed by a number equal to or greater than 5.

4.0 MEASUREMENT. The Department will not measure for payment any work or materials required to supply the cores or grout the holes and will consider it incidental to JPC Pavement.

5.0 PAYMENT. The Department will base acceptance of each lot of material on the percentage of material within specification limits (PWL). The following equation will determine the pay factor for thickness: $PF \% = 52.5 + 0.5 \text{ PWL}$. The Department will round the Pay Factor to 2 decimal places as noted above.

January 1, 2008

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PERCENT WITHIN LIMITS ESTIMATION TABLE
Variability - Unknown Procedure
Standard Deviation Method
Sample Size 4

Q	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	50.00	50.33	50.67	51.00	51.33	51.67	52.00	52.33	52.67	53.00
0.1	53.33	53.67	54.00	54.33	54.67	55.00	55.33	55.67	56.00	56.33
0.2	56.67	57.00	57.33	57.67	58.00	58.33	58.67	59.00	59.33	59.67
0.3	60.00	60.33	60.67	61.00	61.33	61.67	62.00	62.33	62.67	63.00
0.4	63.33	63.67	64.00	64.33	64.67	65.00	65.33	65.67	66.00	66.33
0.5	66.67	67.00	67.33	67.67	68.00	68.33	68.67	69.00	69.33	69.67
0.6	70.00	70.33	70.67	71.00	71.33	71.67	72.00	72.33	72.67	73.00
0.7	73.33	73.67	74.00	74.33	74.67	75.00	75.33	75.67	76.00	76.33
0.8	76.67	77.00	77.33	77.67	78.00	78.33	78.67	79.00	79.33	79.67
0.9	80.00	80.33	80.67	81.00	81.33	81.67	82.00	82.33	82.67	83.00
1.0	83.33	83.67	84.00	84.33	84.67	85.00	85.33	85.67	86.00	86.33
1.1	86.67	87.00	87.33	87.67	88.00	88.33	88.67	89.00	89.33	89.67
1.2	90.00	90.33	91.67	91.00	91.33	91.67	92.00	92.33	92.67	93.00
1.3	93.33	93.67	94.00	94.33	94.67	95.00	95.33	95.67	96.00	96.33
1.4	96.67	97.00	97.33	97.67	98.00	98.33	98.67	99.00	99.33	99.67
1.5	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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PERCENT WITHIN LIMITS ESTIMATION TABLE
Variability - Unknown Procedure
Standard Deviation Method
Sample Size 8

Q	0	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	50.00	50.38	50.76	51.14	51.51	51.89	52.27	52.65	53.03	53.41
0.1	53.78	54.16	54.54	54.92	55.29	55.67	56.04	56.42	56.79	57.17
0.2	57.54	57.92	58.29	58.66	59.03	59.41	59.78	60.15	60.52	60.89
0.3	61.25	61.62	61.99	62.35	62.72	63.08	63.45	63.81	64.17	64.53
0.4	64.89	65.25	65.61	65.96	66.32	66.67	67.03	67.38	67.73	68.08
0.5	68.43	68.78	69.13	69.47	69.82	70.16	70.50	70.84	71.18	71.52
0.6	71.85	72.19	72.52	72.85	73.18	73.51	73.84	74.17	74.49	74.81
0.7	75.14	75.46	75.77	76.09	76.41	76.72	77.03	77.34	77.65	77.96
0.8	78.26	78.56	78.86	79.16	79.46	79.76	80.05	80.34	80.63	80.92
0.9	81.21	81.49	81.77	82.05	82.33	82.61	82.88	83.15	83.43	83.69
1.0	83.96	84.22	84.49	84.75	85.00	85.26	85.51	85.76	86.01	86.26
1.1	86.51	86.75	86.99	87.23	87.46	87.70	87.93	88.16	88.39	88.61
1.2	88.83	89.06	89.27	89.49	89.70	89.91	90.12	90.33	90.53	90.74
1.3	90.94	91.13	91.33	91.52	91.71	91.9	92.09	92.27	92.45	92.63
1.4	92.81	92.98	93.15	93.32	93.49	93.65	93.81	93.97	94.13	94.29
1.5	94.44	94.59	94.74	94.88	95.03	95.17	95.31	95.44	95.58	95.71
1.6	95.84	95.97	96.09	96.21	96.33	96.45	96.57	96.68	96.79	96.90
1.7	97.01	97.11	97.21	97.31	97.41	97.51	97.60	97.69	97.78	97.87
1.8	97.96	98.04	98.12	98.20	98.28	98.35	98.42	98.49	98.56	98.63
1.9	98.69	98.76	98.82	98.88	98.93	98.99	99.04	99.09	99.14	99.19
2.0	99.24	99.28	99.33	99.37	99.41	99.45	99.48	99.52	99.55	99.58
2.1	99.61	99.64	99.67	99.7	99.72	99.74	99.77	99.79	99.81	99.83
2.2	99.84	99.86	99.87	99.89	99.90	99.91	99.92	99.93	99.94	99.95
2.3	99.96	99.96	99.97	99.98	99.98	99.98	99.99	99.99	99.99	100.00

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SPECIAL NOTE FOR WATERBLASTING STRIPING REMOVAL

This Special Note will apply where indicated on the plans or in the proposal. Section references herein are to the Department's 2008 Standard Specifications for Road and Bridge Construction.

1.0 DESCRIPTION. Remove pavement striping, temporary or permanent, from asphalt or concrete pavement using ultra-high pressure water.

2.0 MATERIALS AND EQUIPMENT.

2.1 Truck Mounted Ultra-high Pressure Pump and Water Tank. Use a truck having a separate hydrostatic transmission capable of speed increments of ± 1 foot per minute at operator's discretion. Use a pump capable of delivering a minimum of 30,000 psi to a bumper mounted deck containing an operator controlled rotating manifold that is speed variable up to at least 3,000 rpm and accepts interchangeable waterjet nozzles. Provide all necessary waterjet nozzle setups and patterns to ensure clean sufficient removal. Ensure the deck's discharge directs the water and removal material in a manner that is not hazardous to vehicles or pedestrians.

2.2 Water. Conform to Section 803.

3.0 CONSTRUCTION. Before starting work, provide the Engineer with a contractor work history of 2 projects where striping removal was completed acceptably for a similar type of pavement. If no history is available, complete 1,000 linear feet of striping removal and obtain the Engineer's approval before continuing.

Conduct striping removal under lane closures meeting the conditions of the MUTCD and Kentucky Standard Drawings and Specifications. Waterblast to remove temporary or permanent striping completely as the Engineer directs. Do not damage the pavement in any way and protect all joint seals. If damage is observed, stop the removal process until the operator can make changes and demonstrate acceptable striping removal. Repair any damage to the pavement. Vacuum all marking material and removal debris concurrently with the blasting operation.

4.0 MEASUREMENT. The Department will measure the quantity in linear feet. When the removal area's width exceeds 8 inches and a second pass is required, the Department will measure the length of the additional pass for Payment. The Department will not measure for payment additional passes for widths of 8 inches or less or passes to further eradicate markings. The Department will not measure repair of damaged pavement for payment and will consider it incidental to this item of work.

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

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
---	Waterblast Stripe Removal	Linear Foot

The Department will consider payment as full compensation for all work required under this note.

January 1, 2008

SPECIAL NOTE FOR LONGITUDINAL PAVEMENT JOINT ADHESIVE

1. DESCRIPTION. This specification covers the requirements and practices for applying an asphalt adhesive material to the longitudinal joint of the surface course of an asphalt pavement. Apply the adhesive to the face of longitudinal joint between driving lanes for the first lane paved. Then, place and compact the adjacent lane against the treated face to produce a strong, durable, waterproof longitudinal joint.
2. MATERIALS, EQUIPMENT, AND PERSONNEL.

2.1 Joint Adhesive. Provide material conforming to Subsection 2.1.1.

2.1.1 Provide an adhesive conforming to the following requirements:

Property	Specification	Test Procedure
Viscosity, 400 ° F (Pa·s)	4.0 – 10.0	ASTM D 4402
Cone Penetration, 77 ° F	60 – 100	ASTM D 5329
Flow, 140 ° F (mm)	5.0 max.	ASTM D 5329
Resilience, 77 ° F (%)	30 min.	ASTM D 5329
Ductility, 77 ° F (cm)	30.0 min.	ASTM D 113
Ductility, 39 ° F (cm)	30.0 min.	ASTM D 113
Tensile Adhesion, 77 ° F (%)	500 min.	ASTM D 5329, Type II
Softening Point, ° F	171 min.	AASHTO T 53
Asphalt Compatibility	Pass	ASTM D 5329

Ensure the temperature of the pavement joint adhesive is between 380 and 410 °F when the material is extruded in a 0.125-inch-thick band over the entire face of the longitudinal joint.

2.2. Equipment.

2.2.1 Melter Kettle. Provide an oil-jacketed, double-boiler, melter kettle equipped with any needed agitation and recirculating systems.

2.2.2 Applicator System. Provide a pressure-feed-wand applicator system with an applicator shoe attached.

2.3 Personnel. Ensure a technical representative from the manufacturer of the pavement joint adhesive is present during the initial construction activities and available upon the request of the Engineer.

3. CONSTRUCTION.

3.1 Surface Preparation. Prior to the application of the pavement joint adhesive, ensure the face of the longitudinal joint is thoroughly dry and free from dust or any other debris that would inhibit adhesion. Clean the joint face by the use of compressed air.

11N

Ensure this preparation process occurs shortly before application to prevent the return of debris on the joint face.

3.2 Pavement Joint Adhesive Application. Ensure the ambient temperature is a minimum of 40 ° F during the application of the pavement joint adhesive. Prior to applying the adhesive, demonstrate competence in applying the adhesive according to this note to the satisfaction of the Engineer. Heat the adhesive in the melter kettle to the specified temperature range. Pump the adhesive from the melter kettle through the wand onto the vertical face of the cold joint. Apply the adhesive in a continuous band over the entire face of the longitudinal joint. Do not use excessive material in either thickness or location. Ensure the edge of the extruded adhesive material is flush with the surface of the pavement. Then, place and compact the adjacent lane against the joint face. Remove any excessive material extruded from the joint after compaction (a small line of material may remain).

3.3 Pavement Joint Adhesive Certification. Furnish the joint adhesive's 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 random sample of pavement joint adhesive from each manufacturer's lot of material. Extrude two 5 lb. samples of the heated material and forward the sample to the Division of Materials for testing. Reynolds oven bags, turkey size, placed inside small cardboard boxes or cement cylinder molds have been found suitable. Ensure the product temperature is 400°F or below at the time of sampling.

4. MEASUREMENT. The Department will measure the quantity of Pavement Joint Adhesive in linear feet. 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 Pavement Joint Adhesive, the cleaning of the joint face, or furnishing and placing the adhesive. The Department will consider all such items incidental to the Pavement Joint Adhesive.
5. PAYMENT. The Department will pay for the Pavement Joint Adhesive 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. When a sample fails on two or more tests, the Department may add the deductions, but the total deduction will not exceed 100 percent.

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Pavement Joint Adhesive Price Adjustment Schedule						
Test	Specification	100% Pay	90% Pay	80% Pay	50% Pay	0% Pay
Joint Adhesive Referenced in Subsection 2.1.1						
Viscosity, 400 ° F (Pa•s) ASTM D 3236	4.0-10.0	3.5-10.5	3.0-3.4 10.6-11.0	2.5-2.9 11.1-11.5	2.0-2.4 11.6-12.0	≤1.9 ≥ 12.1
Cone Penetration, 77 ° F ASTM D 5329	60-100	57-103	54-56 104-106	51-53 107-109	48-50 110-112	≤ 47 ≥ 113
Flow, 140 ° F (mm) ASTM D 5329	≤ 5.0	≤ 5.5	5.6-6.0	6.1-6.5	6.6-7.0	≥ 7.1
Resilience, 77 ° F (%) ASTM D 5329	≥ 30	≥ 28	26-27	24-25	22-23	≤ 21
Tensile Adhesion, 77 ° F (%) ASTM D 5329	≥ 500	≥ 490	480-489	470-479	460-469	≤ 459
Softening Point, ° F AASHTO T 53	≥ 171	≥ 169	166-168	163-165	160-162	≤ 159
Ductility, 77 ° F (cm) ASTM D 113	≥ 30.0	≥ 29.0	28.0-28.9	27.0-27.9	26.0-26.9	≤ 25.9
Ductility, 39 ° F (cm) ASTM D 113	≥ 30.0	≥ 29.0	28.0-28.9	27.0-27.9	26.0-26.9	≤ 25.9

Code
 20071EC

Pay Item
 Joint Adhesive

Pay Unit
 Linear Foot

May 7, 2014

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 ¹ , %	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

¹ 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 1st to May 15th. 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 1st to May 15th. 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

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24970EC	Asphalt Material for Tack Non-Tracking	Ton

Revised: May 23, 2022

September 18, 2019

SPECIAL NOTE FOR CLASS 1A GEOTEXTILE FABRICS USED IN STRUCTURAL PAVEMENT DESIGNS

1. **DESCRIPTION.** This special note covers requirements for Class 1A geotextile fabrics to be used for subgrade stabilization that is a part of a structural pavement design.
2. **GEOTEXTILE FABRIC.** Use woven fabric consisting only of long chain polymeric filaments or yarns such as polypropylene formed into a stable network such that the filaments or yarns retain their relative position to each other. Use fabric that is inert to commonly encountered chemicals and free of defects or flaws significantly affecting its physical or filtering properties.

Ensure that the fabric is formed in widths of at least 6 feet. When necessary, sew sheets of fabric together to form required fabric widths. Sew the sheets of fabric together at the point of manufacture or other approved locations.

The geotextile manufacturer is responsible for establishing and maintaining a quality control program to ensure compliance with this section. The manufacturer must participate in the National Transportation Product Evaluation Program (NTPEP) for Geotextiles and Geosynthetics and the product data must be posted in NTPEP DataMine.

2.1 **PACKING.** During all periods of shipment and storage, wrap the fabric in a heavy duty protective covering to protect the fabric from direct sunlight, ultraviolet rays, temperatures greater than 140 °F, mud, dirt, dust, and debris.

2.2 **PHYSICAL REQUIREMENTS.** Class 1A fabrics are to meet the current requirements of AASHTO M288.

2.3 **ACCEPTANCE.** Obtain the Department's approval for all material before incorporating it into the project.

3. **CONSTRUCTION.** The Engineer will reject the fabric if it has defects, rips, holes, flaws, deterioration, or damage. Prepare the surface to receive the fabric to a smooth condition, free of obstructions, debris, or sharp objects that may puncture the fabric. Place the fabric smooth and free of folds, wrinkles, or creases. Do not operate equipment directly on the fabric. Protect the fabric at all times from contamination. Remove and replace any contaminated fabric with uncontaminated fabric.

Repair or replace any fabric damage. Repair individual isolated cuts, tears, or punctures by placing a patch of geotextile fabric that extends at least 3 feet beyond the damage in all directions or by field splicing the patch. Cover the fabric with a layer of the specified material within 14 calendar days. Remove and replace fabric not covered within 14 days.

September 18, 2019

4. ACCEPTANCE PROCEDURES FOR NON-SPECIFICATION FABRIC. Ensure that all geotextile fabric conforms to the requirements of this section. However, when non-specification geotextile fabric is inadvertently incorporated into the work before completion of testing, the Department may accept the material with a reduction in pay, provided the failure is marginal and will not cause poor performance. When the failure is excessive, then remove the geotextile fabric, and replace it unless the Engineer determines that the geotextile fabric can remain in place. The Department will apply the largest payment reduction when the material fails to meet more than one specification requirement. The Department will calculate the payment reduction on the invoice cost of the material delivered at the project site. The Department will reject geotextile fabric that fails and has not been incorporated into the work.

5. FASTENER PINS. The Engineer will accept fastener pins based on visual inspection on the project. Conform to the following:

5.1 SUBGRADE STABILIZATION AND WRAPPED AGGREGATE DRAINAGE BLANKET. Provide fastener pins that are formed of 3/16 inch diameter or heavier steel, pointed at one end, with a head on the opposite end to retain a washer with a minimum diameter of 1 1/2 inches.

6. MEASUREMENT. The Department will measure the quantity in square yards. The Department will not measure fabric when the Contract indicates the fabric is incidental to the work or when the specification for another item requires incidental installation of geotextile fabric.

The Department will not measure material in laps or seams.

When fabric is used in conjunction with an aggregate layer, the Department will measure the quantity of (1) the area of the lower surface of the aggregate layer, (2) the area of the upper surface of the aggregate layer, and (3) the area of the sides and ends of the aggregate layer; using the dimensions specified in the Plans for each fabric type that applies to its corresponding location(s).

The Department will not measure for payment the repair or replacement of damaged fabric or replacement of fabric not covered within 14 days.

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

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
02604	FABRIC-GEOTEXTILE CLASS 1A	Square Yard

SPECIAL NOTE FOR INLAID PAVEMENT MARKERS

I. DESCRIPTION

Except as provided herein, perform all work in accordance with the Department's Standard and Supplemental Specifications and applicable Standard and Sepia Drawings, current editions. Article references are to the Standard Specifications. This work shall consist of:

- (1) Maintain and Control Traffic; and (2) furnish and install Inlaid Pavement Markers (IPMs) in recessed grooves; and (3) any other work as specified by these notes and the Contract.

II. MATERIALS

The Department will sample all materials in accordance with the Department's Sampling Manual. 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 unless otherwise specified in these Notes.

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Markers. Provide reflective lenses with depth control breakaway positioning tabs. Before furnishing the markers, provide to the Engineer the manufacturer's current recommendations for adhesives and installation procedures. Use one brand and design throughout the project. Use markers meeting the specifications in the table below.

SPECIFICATIONS FOR HOUSING AND REFLECTOR	
Material:	Polycarbonate Plastic
Weight:	Housing 2.00 oz.
	Reflector 2.00oz.
Housing Size:	5.00" x 3.00" x 0.70" high
Specific Intensity of Reflectivity at 0.2° Observation Angle	
White:	3.0 at 0°entrance angle
	1.2 at 20°entrance angle
Yellow:	60% of white values
Red:	25% of white values

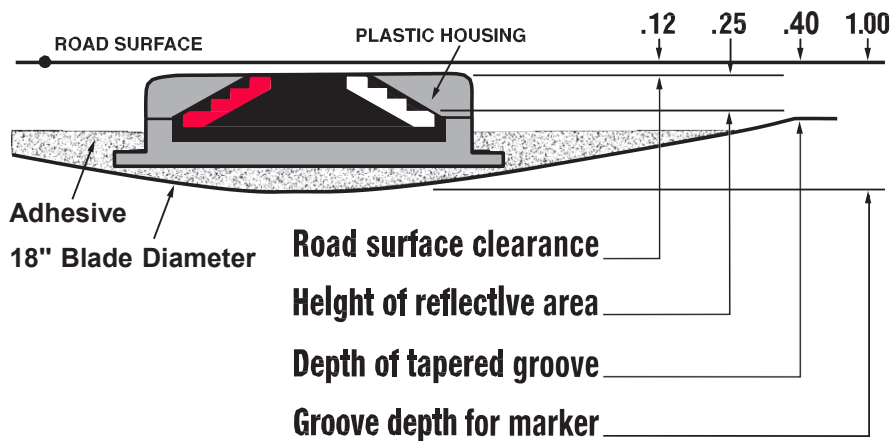
C. Adhesives. Use adhesives that conform to the manufacturer's recommendations.

III. CONSTRUCTION

A. Maintain and Control Traffic. See Traffic Control Plan.

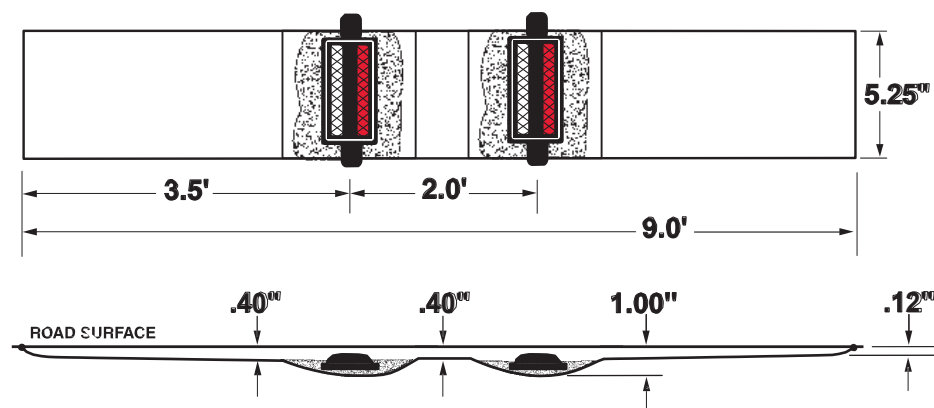
B. Installation. Install IPMs in recessed grooves cut into the final course of pavement according to the manufacturer's recommendations. Do not cut the grooves until the pavement has cured sufficiently to prevent damaging the pavement. Cut installation grooves using diamond blades on saws that accurately control groove dimensions. Remove all dirt, grease, oil, loose or unsound layers, and any other material from the marker area which would reduce the bond of the adhesive. Maintain pavement surfaces in a clean condition until placing markers.

Prepare the pavement surfaces, and install the markers in the recessed groove according to the drawing below. Use an approved snowplowable epoxy adhesive. Ensure that the adhesive bed area is equal to the bottom area of the marker, and apply adhesive in sufficient quantity to force excess out around the entire perimeter of the marker. Use materials, equipment, and construction procedures that ensure proper adhesion of the markers to the pavement surface according to the manufacturer's recommendations. Remove all excess adhesive from in front of the reflective faces. If any adhesive or foreign matter cannot be removed from the reflective faces, or if any marker fails to properly adhere to the pavement surface, remove and replace the marker at no additional cost to the Department.



Inlaid Pavement Markers
Page 3 of 4

C. Location and Spacing. Install the markers in the pattern for high reflectivity with two (2) IPMs per groove. Locate and space markers as shown in the current standard drawings or sepias (note: use Inlaid Pavement Markers wherever Type V Pavement Markers are called for). Do not install markers on bridge decks. Do not install a marker on top of a pavement joint or crack. Offset the recessed groove a minimum of **3** inches from any longitudinal pavement joint or crack and at least one inch from the painted stripe, ensuring that the finished line of markers is straight with minimal lateral deviation. Give preference to maintaining the **3**-inch offset between recessed groove and joint as opposed to keeping the line of markers straight.



Place inlaid markers as much in line with existing pavement striping as possible. Place markers installed along an edge line or channelizing line so that the near edge of the plastic housing is no more than one inch from the near edge of the line. Place markers installed along a lane line between and in line with the dashes. Do not place markers over the lines except where the lines deviate visibly from their correct alignment, and then only after obtaining the Engineer's prior approval of the location.

If conflicts between recessed groove placement in relation to pavement joint and striping cannot be resolved, obtain the Engineer's approval to eliminate the marker or revise the alignment.

D. Disposal of Waste. Dispose of all removed pavement, debris, and other waste at sites off the right of way obtained by the Contractor at no additional cost to the Department. See Special Note for waste and Borrow.

E. Restoration. Be responsible for all damage to public and/or private property resulting from the work. Restore all damaged features in like kind materials and design at no additional cost to the Department.

Inlaid Pavement Markers

Page 4 of 4

F. On-Site Inspection. Make a thorough inspection of the site prior to submitting a bid and be thoroughly familiar with existing conditions so that the work can be expeditiously performed after a contract is awarded. The Department will consider submission of a bid as evidence of this inspection having been made and will not honor any claims for money or grant Contract time extensions resulting from site conditions.

G. Caution. Do not take information shown on the drawings and in this proposal and the types and quantities of work listed as an accurate or complete evaluation of the material and conditions to be encountered during construction, but consider the types and quantities of work listed as approximate only. The bidder must draw his own conclusion as to the conditions encountered. The Department does not give any guarantee as to the accuracy of the data and no claim will be considered for additional compensation or extension of Contract time if the conditions encountered are not in accordance with the information shown.

IV. MEASUREMENT

A. Maintain and Control Traffic. See Traffic Control Plan.

B. "INLAID PAYMENT MARKER" shall be measured as each. One (1) installation of "INLAID PAVEMENT MARKER" will consist of grooving the pavement, removing cuttings and debris, preheating pavement to remove moisture, adhesives, and installation of two (2) markers with all lenses in accordance with this note.

Note: Each pay item of Inlaid Pavement Marker will require two markers.

V. PAYMENT

A. Maintain and Control Traffic. See Traffic Control Plan.

B. Inlaid Pavement Markers. The Department will make payment for the completed and accepted quantity of completely installed "INLAID PAVEMENT MARKERS" at the Contract unit price, each. Accept payment as full compensation for all labor, equipment, materials, and incidentals to accomplish this work to the satisfaction of the Engineer. A system of one (1) groove and two (2) markers shall be paid as one "INLAID PAVEMENT MARKER". The bid item "INLAID PAVEMENT MARKER" shall be used regardless of the color and type of lenses required.

December 5, 2018

SPECIAL NOTE
**For Contaminated Soil Disposal
&/or Monitoring Well Closure**

Mason County

**Improve Safety and Operational Efficiency of the Intersection of KY 9 (AA)
and US 62 located in Maysville (Item No. 9-80107.00)**

Contaminated soils that may be encountered during construction of the proposed improvements should be left in place or hauled to an approved landfill. The contractor shall be HazMat certified or shall have a certified HazMat subcontractor perform this excavation and disposal. The contractor shall provide the disposal manifest to the engineer. Payment shall be incidental to roadway excavation.

Registered monitoring wells are not known within the project limits. However, if an active monitoring well is discovered in an area where work is proposed, please notify the KYTC District 9 Environmental Coordinator for proper closure.

**PROJECT MATERIALS RELEASE FORM
 FOR SIGNAL AND LIGHTING**

Note: Email form with signatures to KYTC's warehouse (kim.stamper@ky.gov) at least two (2) days prior to arrival for pickup. Ensure Contractor's delivery driver has a copy of form with signatures. Failure to do either may result in long delays or refusal to distribute materials upon arrival.

Item Number: 9-80107.00

County: Mason

Description: US 62 & KY 9

Cabinets	Master code	
1	T-01-0105	ATC Controller
1	T-01-0106	1C w/Maxtime (this should go with item ATC controller)
1	T-01-0501	Conflict Monitor, Model 2018 Special Order
8	T-01-0700	Load Switches

Signals		
14	T-02-0009	Siemens 3 Section Signal
14	T-02-0032	Siemen 3 section backplate
6	T-02-0300	LED Module 12" red arrow
6	T-02-0310	LED Module 12" yellow arrow
6	T-02-0320	LED Module 12" green arrow
8	T-02-0330	LED Module 12" red ball
8	T-02-0340	LED Module 12" yellow ball
8	T-02-0350	LED Module 12" green ball

Special items			
1		Radar	

REQUIRED

Electrical Contractor Supervisor _____

Contact number for Supervisor _____

Project Engineer _____

Contact number for Project Engineer _____

Project Engineer attests that the mentioned contractor is the actual electrical contractor on this project
 Signature of Project Engineer or Designee _____

PART II
SPECIFICATIONS AND STANDARD DRAWINGS

STANDARD SPECIFICATIONS

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

SUPPLEMENTAL SPECIFICATIONS

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

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 administrating 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** 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 1½ 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

PART IV
INSURANCE

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

PART V
BID ITEMS

PROPOSAL BID ITEMS

242268

Page 1 of 3

Report Date 6/18/24

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	3,940.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	72.00	TON		\$	
0030	00078		CRUSHED AGGREGATE SIZE NO 2	6,796.00	TON		\$	
0040	00100		ASPHALT SEAL AGGREGATE	12.00	TON		\$	
0050	00103		ASPHALT SEAL COAT	2.00	TON		\$	
0060	00190		LEVELING & WEDGING PG64-22	247.00	TON		\$	
0070	00214		CL3 ASPH BASE 1.00D PG64-22	310.00	TON		\$	
0080	00388		CL3 ASPH SURF 0.38B PG64-22	765.00	TON		\$	
0090	02069		JPC PAVEMENT-10 IN	8,174.00	SQYD		\$	
0100	02083		JPC PAVEMENT-10 IN SHLD	359.00	SQYD		\$	
0110	02084		JPC PAVEMENT-8 IN	134.00	SQYD		\$	
0120	02585		EDGE KEY	288.00	LF		\$	
0130	02602		FABRIC-GEOTEXTILE CLASS 1	10,402.00	SQYD		\$	
0140	02604		FABRIC-GEOTEXTILE CLASS 1A	10,929.00	SQYD		\$	
0150	02677		ASPHALT PAVE MILLING & TEXTURING	567.00	TON		\$	
0160	20071EC		JOINT ADHESIVE	6,050.00	LF		\$	
0170	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	4.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0180	01810		STANDARD CURB AND GUTTER	916.00	LF		\$	
0190	01811		STANDARD CURB AND GUTTER MOD	1,378.00	LF		\$	
0200	02014		BARRICADE-TYPE III	8.00	EACH		\$	
0210	02159		TEMP DITCH	1,050.00	LF		\$	
0220	02160		CLEAN TEMP DITCH	525.00	LF		\$	
0230	02200		ROADWAY EXCAVATION	8,748.00	CUYD		\$	
0240	02242		WATER	100.00	MGAL		\$	
0250	02267		REMOVE & RESET FENCE	80.00	LF		\$	
0260	02383		REMOVE & RESET GUARDRAIL	287.50	LF		\$	
0270	02562		TEMPORARY SIGNS	800.00	SQFT		\$	
0280	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0290	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0300	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0310	02701		TEMP SILT FENCE	1,050.00	LF		\$	
0320	02703		SILT TRAP TYPE A	2.00	EACH		\$	
0330	02704		SILT TRAP TYPE B	2.00	EACH		\$	
0340	02705		SILT TRAP TYPE C	2.00	EACH		\$	
0350	02706		CLEAN SILT TRAP TYPE A	2.00	EACH		\$	
0360	02707		CLEAN SILT TRAP TYPE B	2.00	EACH		\$	
0370	02708		CLEAN SILT TRAP TYPE C	2.00	EACH		\$	
0380	02726		STAKING	1.00	LS		\$	
0390	05950		EROSION CONTROL BLANKET	266.00	SQYD		\$	
0400	05952		TEMP MULCH	3,227.00	SQYD		\$	
0410	05953		TEMP SEEDING AND PROTECTION	2,420.00	SQYD		\$	

PROPOSAL BID ITEMS

242268

Page 2 of 3

Report Date 6/18/24

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0420	05963		INITIAL FERTILIZER	.30	TON		\$	
0430	05964		MAINTENANCE FERTILIZER	.20	TON		\$	
0440	05985		SEEDING AND PROTECTION	4,840.00	SQYD		\$	
0450	05992		AGRICULTURAL LIMESTONE	3.00	TON		\$	
0460	06511		PAVE STRIPING-TEMP PAINT-6 IN	37,750.00	LF		\$	
0470	06542		PAVE STRIPING-THERMO-6 IN W	13,362.00	LF		\$	
0480	06543		PAVE STRIPING-THERMO-6 IN Y	17,166.00	LF		\$	
0490	06568		PAVE MARKING-THERMO STOP BAR-24IN	168.00	LF		\$	
0500	06573		PAVE MARKING-THERMO STR ARROW	16.00	EACH		\$	
0510	06574		PAVE MARKING-THERMO CURV ARROW	33.00	EACH		\$	
0520	06575		PAVE MARKING-THERMO COMB ARROW	16.00	EACH		\$	
0530	10020NS		FUEL ADJUSTMENT	4,963.00	DOLL	\$1.00	\$	\$4,963.00
0540	20099ES842		PAVE MARK TEMP PAINT STOP BAR	143.00	LF		\$	
0550	20100ES842		PAVE MARK TEMP PAINT LINE ARROW	8.00	EACH		\$	
0560	20430ED		SAW CUT	1,190.00	LF		\$	
0570	22664EN		WATER BLASTING EXISTING STRIPE	67,700.00	LF		\$	
0580	24489EC		INLAID PAVEMENT MARKER	342.00	EACH		\$	
0590	24880EC		REMOVE PAVEMENT MARKER	328.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0600	00440		ENTRANCE PIPE-15 IN	50.00	LF		\$	
0610	00522		STORM SEWER PIPE-18 IN	194.00	LF		\$	
0620	01000		PERFORATED PIPE-4 IN	1,775.00	LF		\$	
0630	01459		CURB BOX INLET TYPE A MOD	3.00	EACH		\$	
0640	01462		CURB BOX INLET TYPE A T-2	12.00	EACH		\$	
0650	01545		DROP BOX INLET TYPE 11 MOD	1.00	EACH		\$	
0660	01740		CORED HOLE DRAINAGE BOX CON-4 IN	19.00	EACH		\$	
0670	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	302.00	SQYD	\$2.00	\$	\$604.00
0680	23952EC		DRAINAGE JUNCTION BOX TY B	2.00	EACH		\$	
0690	24277EC		FLUSH SEDIMENT	1.00	LS		\$	
0700	24814EC		PIPELINE INSPECTION	194.00	LF		\$	

Section: 0004 - UTILITY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0710	24725EC		UTILITY RELOCATION	1.00	LS		\$	

Section: 0005 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0720	04845		CABLE-NO. 14/7C	1,600.00	LF		\$	
0730	04953		TEMP RELOCATION OF SIGNAL HEAD	20.00	EACH		\$	
0740	20188NS835		INSTALL LED SIGNAL-3 SECTION	14.00	EACH		\$	
0750	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	

PROPOSAL BID ITEMS

242268

Page 3 of 3

Report Date 6/18/24

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0760	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	4.00	EACH		\$	

Section: 0006 - DEMOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0770	02568		MOBILIZATION	1.00	LS		\$	
0780	02569		DEMOBILIZATION	1.00	LS		\$	