



**CALL NO. 300**

**CONTRACT ID. 251901**

**CAMPBELL COUNTY**

**FED/STATE PROJECT NUMBER FD04 019 0709 000-001**

**DESCRIPTION TURN LANES AT AA HIGHWAY (KY 9) & KY 709 INTERSECTION**

**WORK TYPE GRADE & DRAIN WITH ASPHALT SURFACE**

**PRIMARY COMPLETION DATE 11/1/2025**

**LETTING DATE: June 26,2025**

Sealed Bids will be received electronically through the Bid Express bidding service until 10:00 AM EASTERN DAYLIGHT TIME June 26,2025. 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.

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**PART I**  
**SCOPE OF WORK**

**ADMINISTRATIVE DISTRICT - 06**

**CONTRACT ID - 251901**  
**FD04 019 0709 000-001**  
**COUNTY - CAMPBELL**  
**PCN - DE01907092501**  
**FD04 019 0709 000-001**

ADD RIGHT TURN LANES AT AA HIGHWAY (KY 9) & KY 709 INTERSECTION ADD RIGHT TURN LANES AT AA  
HIGHWAY (KY 9) & KY 709 INTERSECTION, A DISTANCE OF 0.06 MILES.GRADE & DRAIN SYP NO. 06-80220.  
GEOGRAPHIC COORDINATES LATITUDE 38:59:20.00 LONGITUDE 84:23:49.00  
ADT 20,592

**COMPLETION DATE(S):**  
COMPLETED BY 11/01/2025                      APPLIES TO ENTIRE CONTRACT



## **CONTRACT NOTES**

### **INSURANCE**

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

### **PROPOSAL ADDENDA**

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

### **BID SUBMITTAL**

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

### **JOINT VENTURE BIDDING**

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

### **UNDERGROUND FACILITY DAMAGE PROTECTION**

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

### **REGISTRATION WITH THE SECRETARY OF STATE BY A FOREIGN ENTITY**

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

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

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

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

### **SPECIAL NOTE FOR PROJECT QUESTIONS DURING ADVERTISEMENT**

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

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

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

### **HARDWOOD REMOVAL RESTRICTIONS**

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

### **INSTRUCTIONS FOR EXCESS MATERIAL SITES AND BORROW SITES**

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

### **ACCESS TO RECORDS**

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

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

### **BOYCOTT PROVISIONS**

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

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

### **LOBBYING PROHIBITIONS**

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

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

Revised: 1/1/2025

## 1.0 BUY AMERICA REQUIREMENT.

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

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

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

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

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

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

Use foreign materials only under the following conditions:

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

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

## 2.0 – BUILD AMERICA, BUY AMERICA (BABA)

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

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

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

### **3.0 FINAL RULE – FHWA’S BUY AMERICA REGULATION TO TERMINATE GENERAL APPLICABILITY WAIVER FOR MANUFACTURED PRODUCTS**

- **March 17, 2025** (effective date): For all Federal-aid projects obligated on or after March 15, 2025, all iron or steel products, as defined in § 635.410(c)(1)(iii), must comply with FHWA’s Buy America requirements for steel and iron in § 635.410(b). In addition, for all Federal-aid projects obligated on or after March 15, 2025, per § 635.410(c)(2), articles, materials, and supplies should be classified as an iron or steel product, a manufactured product, or another product as specified by law or in 2 CFR part 184 (such other products specified by law or in 2 CFR part 184 include “excluded materials” and “construction materials”); an article, material, or supply must not be considered to fall into multiple categories.
- **October 1, 2025:** The final assembly requirement will become effective for Federal-aid projects obligated on or after October 1, 2025. This means that, for manufactured product to be Buy America compliant, for Federal-aid projects obligated on or after October 1, 2025, final assembly of the manufactured product must occur in the United States.
- **October 1, 2026:** The 55 percent requirement will become effective for Federal-aid projects obligated on or after October 1, 2026. This means that, for manufactured product to be Buy America-compliant, for Federal-aid projects obligated on or after October 1, 2026, all manufactured products permanently incorporated into the project must both be manufactured in the United States (satisfy the final assembly requirement) and have the cost of the components of the manufactured product that are mined, produced, or manufactured in the United States be greater than 55 percent of the total cost of all components of the manufactured product (satisfy the 55 percent requirement).

### **4.0 – ADDITIONAL REQUIREMENTS**

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’s 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 \(dot.gov\)](#)

Effective - June 26, 2025, Letting

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

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

Date Submitted:\_\_\_\_\_

Contractor:\_\_\_\_\_

Signature:\_\_\_\_\_

Printed Name:\_\_\_\_\_

Title:\_\_\_\_\_

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

## **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

**NATIONAL HIGHWAY**

Be advised this project is on the NATIONAL HIGHWAY SYSTEM.

**ASPHALT PAVEMENT RIDE QUALITY CATEGORY A**

The Department will apply Pavement Rideability Requirements on this project in accordance with Section 410, Category A.

**OPTION B**

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





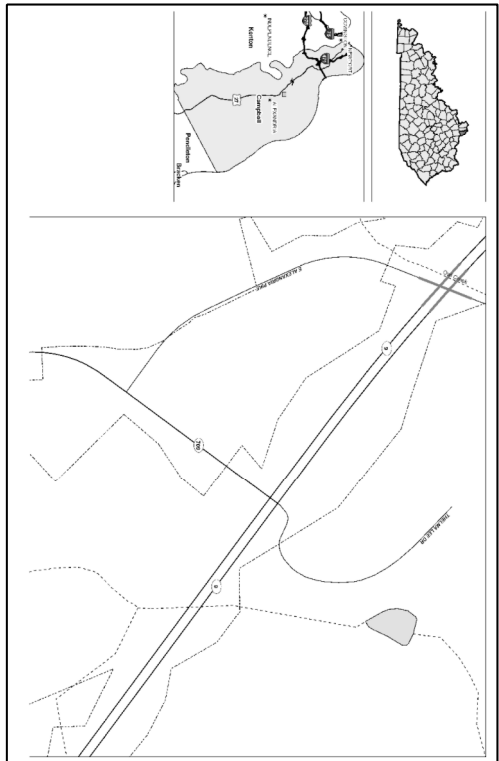
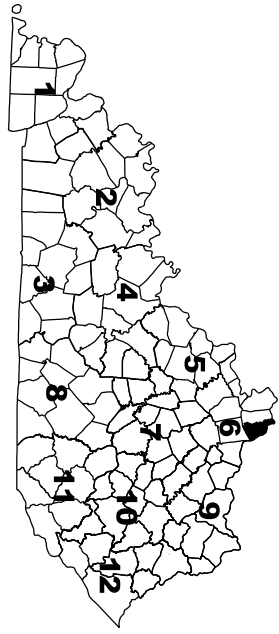
# COMMONWEALTH OF KENTUCKY

## DEPARTMENT OF HIGHWAYS



### PLANS OF PROPOSED PROJECT CAMPBELL County

ADD RIGHT TURN LANES AT KY 9 (AA HWY) & KY 709 INTERSECTION  
STATE #FD04 019 0709 000-001  
GRADE, DRAIN, AND SURFACING PLANS



THE CONTROL OF ACCESS  
ON THIS PROJECT SHALL BE  
PARTIALLY CONTROLLED ON  
KY 9 AND BY PERMIT ON KY 709

### LAYOUT MAP

#### DESIGN CRITERIA

CLASS OF HIGHWAY	ARTERIAL
TYPE OF TERRAIN	ROLLING
DESIGN SPEED	55 MPH
REQUIRED NPSD	X
REQUIRED PSD	X
LEVEL OF SERVICE	X
ADT PRESENT ( )	2033 ) 20592
ADT FUTURE ( )	X ) X
DHV X	
D %	X
T %	14.93%

**GEOGRAPHIC COORDINATES**

LATITUDE 38 DEGREES 59 MINUTES 20 SECONDS NORTH  
LONGITUDE 84 DEGREES 23 MINUTES 49 SECONDS WEST

**DESIGNED**

% RESTRICTED SD X  
LEVEL OF SERVICE X  
MAX. DISTANCE W/O PASSING X

#### INDEX OF SHEETS

- R1 LAYOUT SHEET
- R2 KY 9 TYPICAL SECTION
- R2A KY 709 TYPICAL SECTION
- R2 - M5 PLAN AND PROFILE SHEET
- R7 SUBSURFACE UTILITY ENGINEERING
- R8 COORDINATE CONTROL
- R9 - R10 MAINTENANCE OF TRAFFIC SHEETS
- X1 - X23 CROSS SECTION SHEETS
- T1 - T13 TRAFFIC SHEETS (SIGNAL, SIGNING, STRIPING)

#### STANDARD DRAWINGS

- RBI-001-12 SEP14 28
- RBI-002-07 SEP14 30
- RBI-004-06 SEP14 33
- RBI-007-13 SEP14 34
- RBI-010-08
- RBI-010-11
- RBI-010-16
- TPM-207
- TPM-116-04
- TTC-118-003

THIS PROJECT IS ON THE NH SYSTEM

LENGTH <input checked="" type="checkbox"/> FOR EQUALITIES <input checked="" type="checkbox"/> NOT INCLUDED	LENGTH <input checked="" type="checkbox"/> FOR EQUALITIES <input checked="" type="checkbox"/> NOT INCLUDED	LENGTH <input checked="" type="checkbox"/> FOR EQUALITIES <input checked="" type="checkbox"/> NOT INCLUDED
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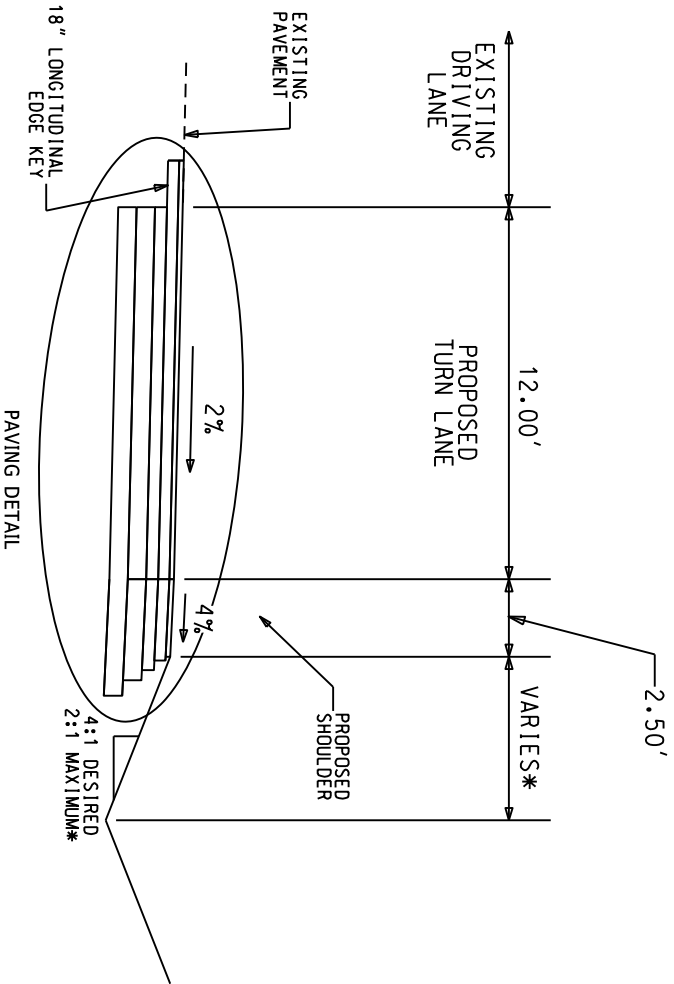
PROJECT NUMBER: 06-80220

PROJECT DESCRIPTION: ADD RIGHT TURN LANES AT KY9 AND KY709

RECOMMENDED BY: ELLEN GREGORY  
PROJECT MANAGER

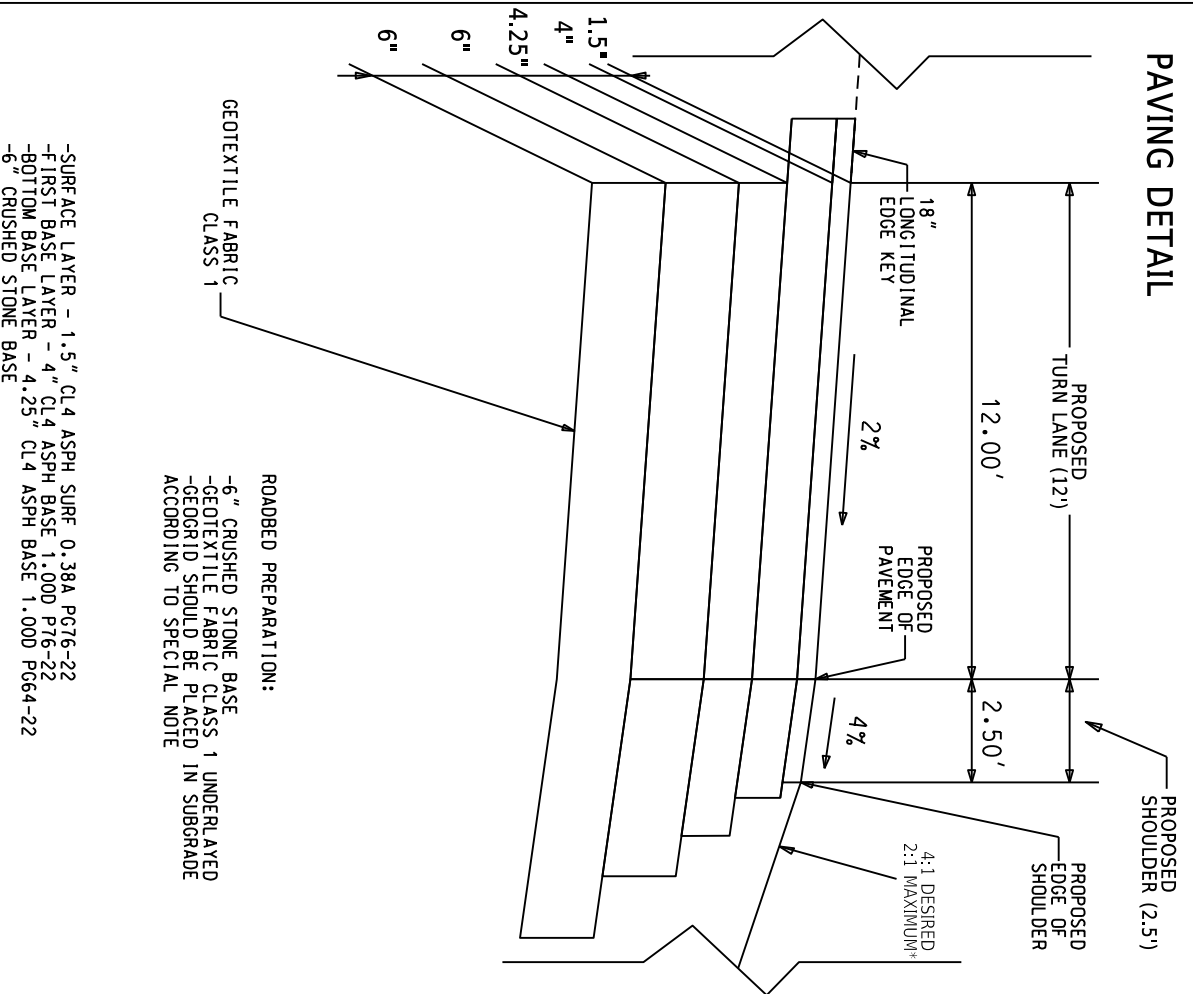
PLAN APPROVED BY: \_\_\_\_\_  
STATE HIGHWAY ENGINEER

# KY 9 PROPOSED RIGHT TURN LANE TYPICAL SECTION



NOTE:  
\* SEE CROSS SECTIONS

## PAVING DETAIL



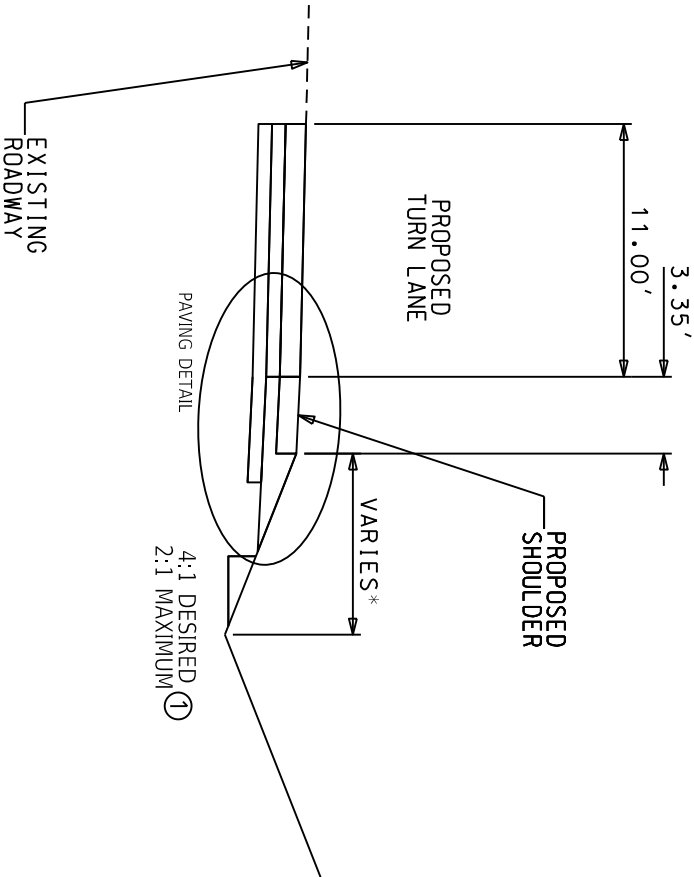
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: KY 9 TYPICAL SECTION

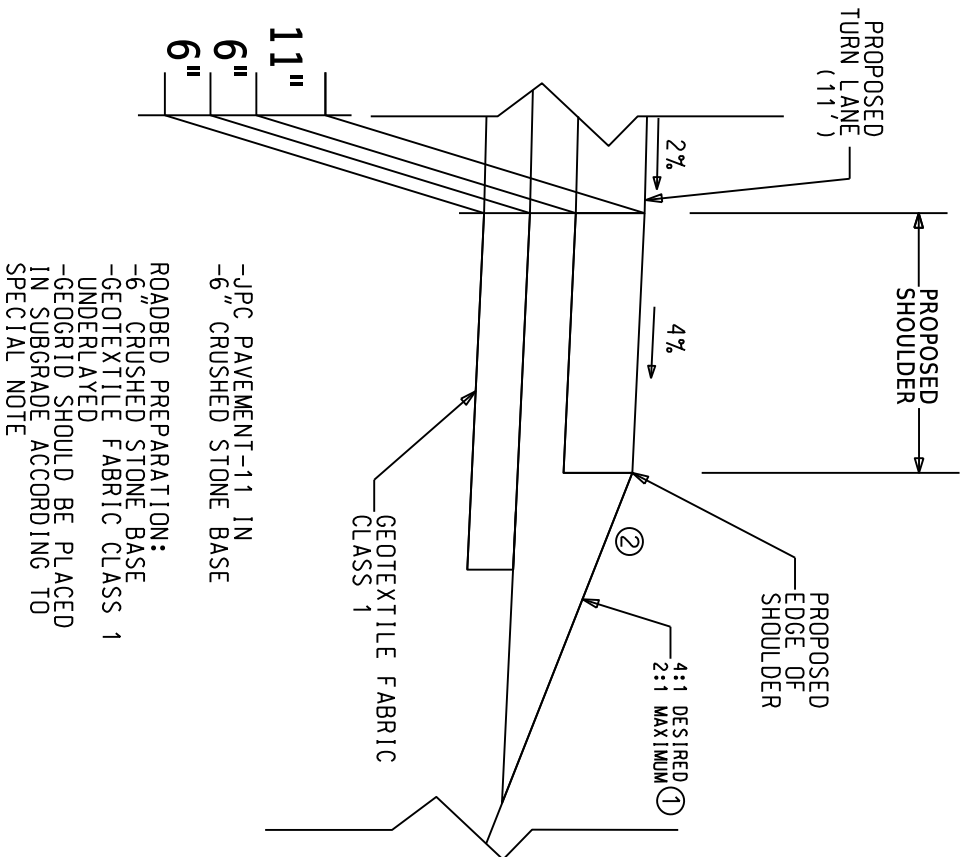
NOT TO SCALE

ITEM NO. 06-80220.00  
SHEET NO. R002  
COUNTY OF CAMPBELL

# KY 709 PROPOSED RIGHT TURN LANE TYPICAL SECTION



## PAVING DETAIL



- ① SEE CROSS SECTIONS
- ② ASPHALT SEAL IS REQUIRED FROM OUTSIDE EDGE OF PAVED SHOULDER TO A POINT 2' DOWN THE DITCH OR FILL SLOPE. 2.4 LB/SY ASPHALT SEAL COAT (TWO APPLICATIONS). 20 LB/SY ASPHALT SEAL AGGREGATE (TWO APPLICATIONS)

OpenRoads Designer v23.00.01.11  
FILE NAME: C:\P\WORK\ELLEN.WESTERMEYER\237421\PLAN\_SHEET.DGN

USER: ellen.gregory



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: PLAN SHEET  
STA. 125+40.00 TO STA. 131+40.00



0' 10' 20' 30' 40' 50' 60' 70' 80' 90' 100'



HORIZONTAL SCALE: 1"=60'



0' 10' 20' 30' 40' 50' 60' 70' 80' 90' 100'

ITEM NO.  
06-80220.00

COUNTY OF  
CAMPBELL

SHEET NO.  
R003

DESCRIPTION	ROAD	STATION
CONSTRUCT EDGE KEY	KY 9	125+46.17
REMOVE JUNCTION BOX	KY 9	126+74.00
BEGIN REMOVE GUARDRAIL	KY 9	129+95.74
INSTALL GUARDRAIL END TREATMENT TYPE 1*	KY 9	131+62.00
BEGIN SAFELOADING	KY 709	307+43.00
REMOVE SANITARY MANHOLE	KY 709	308+26.57
END SAFELOADING	KY 709	309+43.00

\*Location of end treatment to be approved by the Engineer

The diagram illustrates the plan view of a road intersection and alignment. Key features include:

- KY 9 Alignment:** Running horizontally across the top. Stationing ranges from 125+46.17 to 131+62.00. It shows a 250.00' lane width tapering to a 150.00' lane width. A 100.00' taper is also indicated.
- KY 709 Alignment:** Running horizontally across the bottom. Stationing ranges from 307+43.00 to 309+43.00. It shows a 150.00' lane width tapering to a 100.00' taper.
- Intersection:** Located at approximately STA 129+50.00 on KY 9 and STA 308+26.57 on KY 709. A "REMOVE S MANHOLE" is indicated at STA 308+26.57.
- Construction Details:** Includes "CONSTRUCT EDGE KEY", "REMOVE JUNCTION BOX", "BEGIN REMOVE GUARDRAIL", "INSTALL GUARDRAIL END TREATMENT TYPE 1\*", "BEGIN SAFELOADING", and "REMOVE SANITARY MANHOLE".
- Stationing:** Key stations marked include 125+46.17, 126+74.00, 129+95.74, 131+62.00, 307+43.00, 308+26.57, and 309+43.00.
- Other Features:** A north arrow is present. A "POT 129+50.00" is marked. A "SEE SHEET R003A GUARDRAIL DETAIL" is referenced.



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

**TEAM**  
**KENTUCKY.**  
TRANSPORTATION  
COUNCIL

DRAWING TITLE: GUARDRAIL END TREATMENT DETAIL

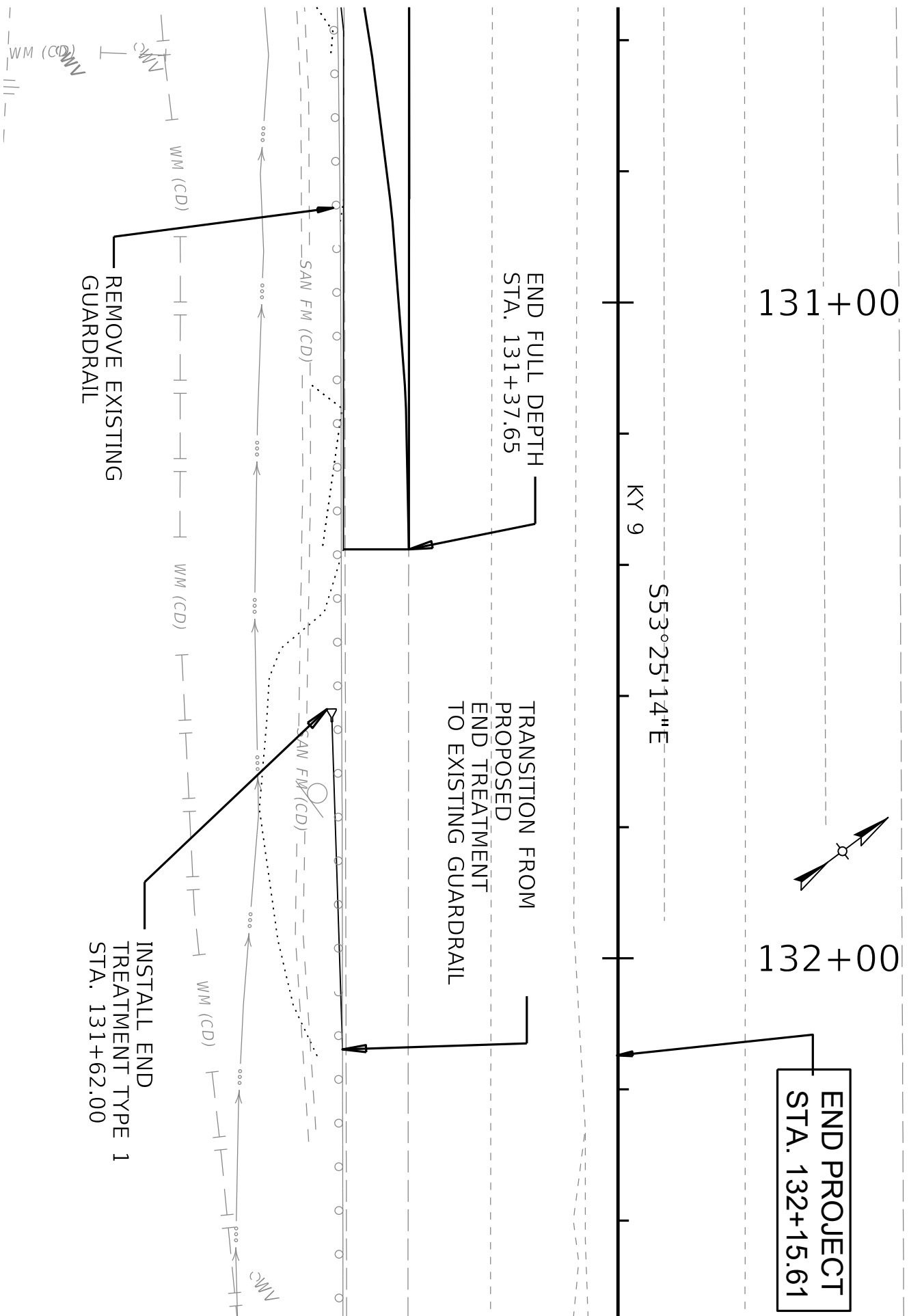
STA. 130+55.00 TO STA. 132+55.00



HORIZONTAL SCALE: 1"=20'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
R003A	

COUNTY OF  
CAMPBELL



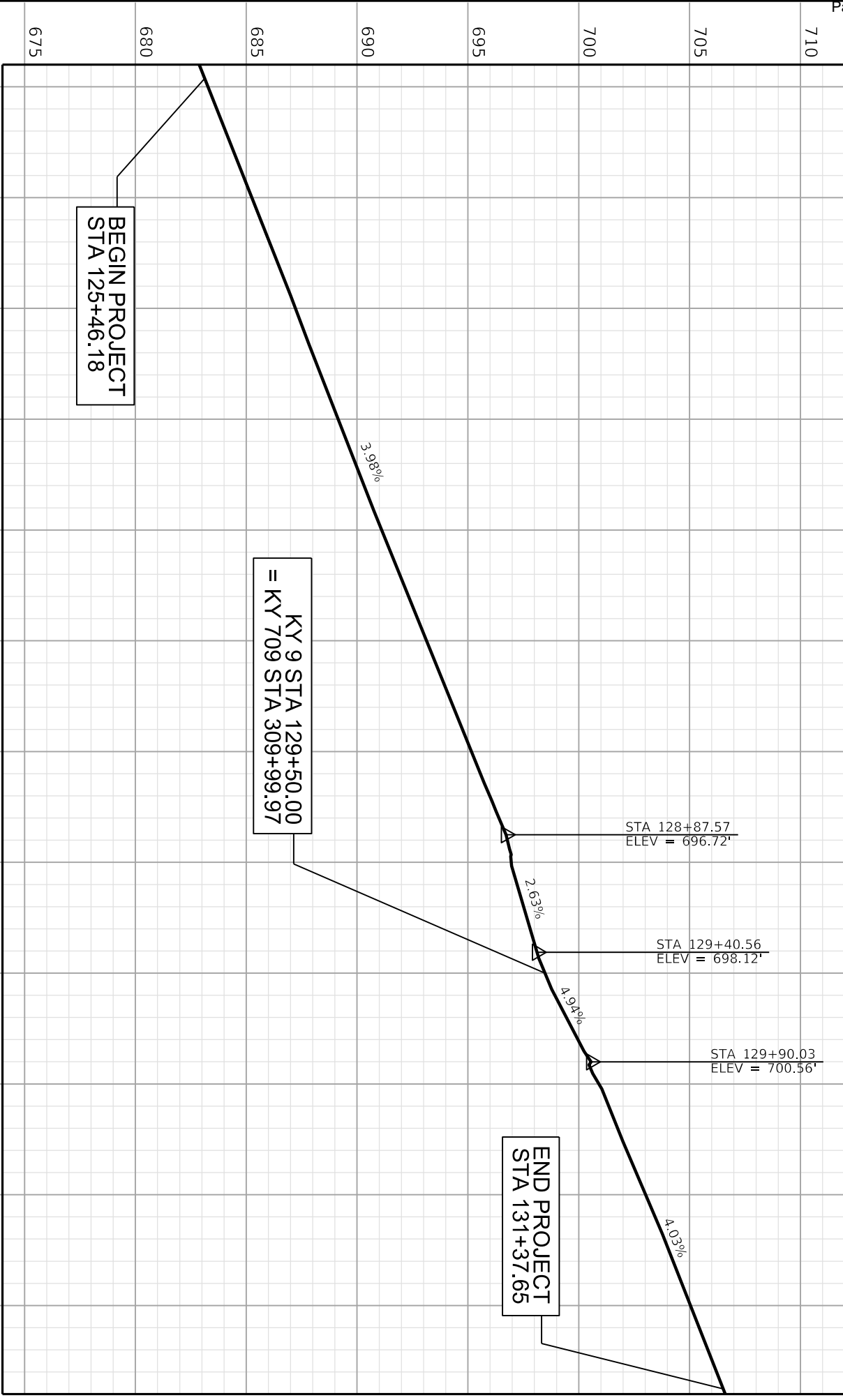


COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: KY 9 PROFILE  
STA. 125+40.00 TO STA. 131+40.00



ITEM NO. 06-80220.00	COUNTY OF CAMPBELL
SHEET NO. R004	



BEGIN PROJECT  
STA 125+46.18

KY 9 STA 129+50.00  
= KY 709 STA 309+99.97

END PROJECT  
STA 131+37.65

STA 128+87.57  
ELEV = 696.72'

STA 129+40.56  
ELEV = 698.12'

STA 129+90.03  
ELEV = 700.56'



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



TEAM KENTUCKY  
Infrastructure

DRAWING TITLE: KY 709 PROFILE  
STA. 306+79.96 TO STA. 309+99.97



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

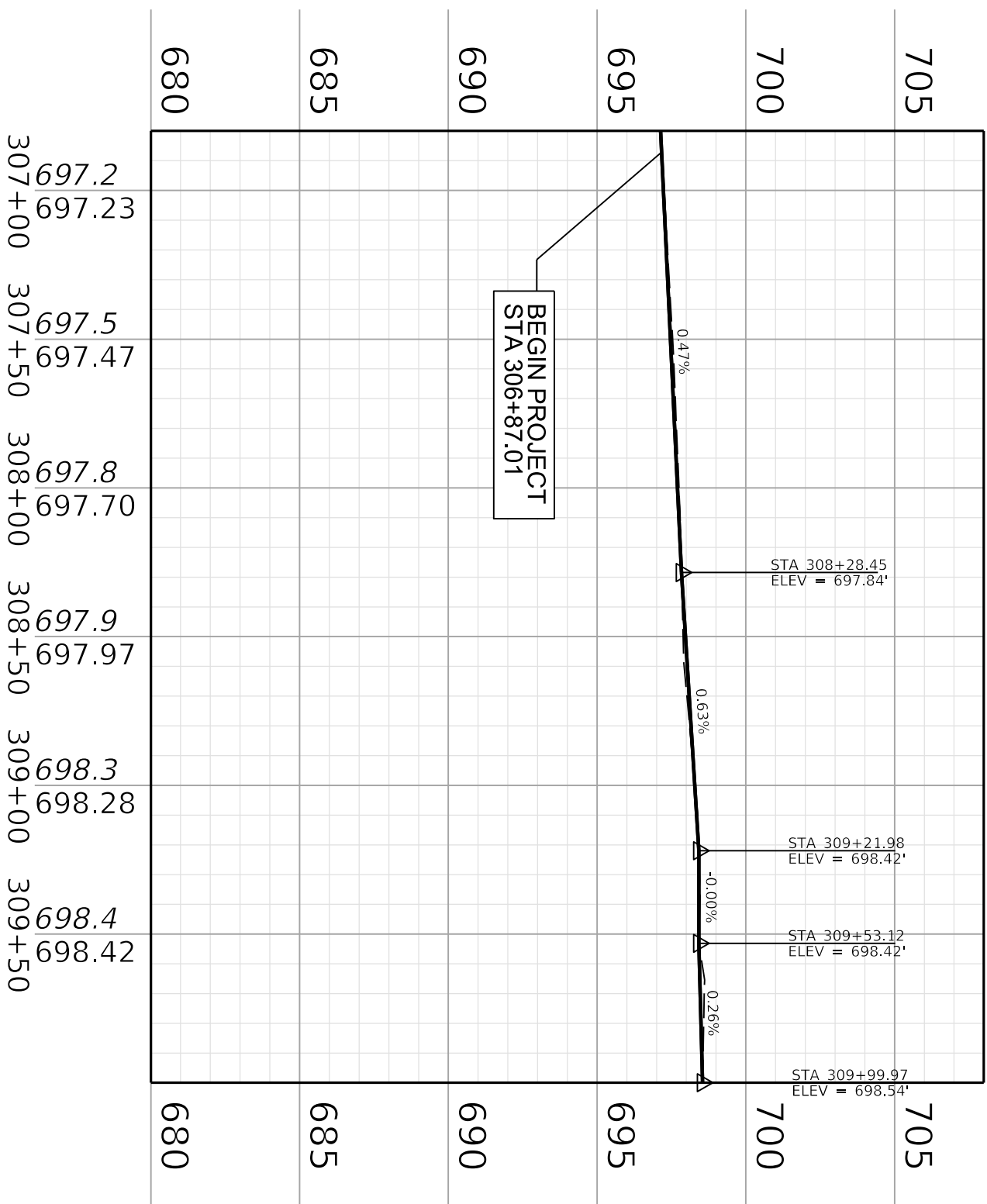


0' 2.5' 5'  
VERTICAL SCALE: 1"=5'

ITEM NO.  
06-80220.00

COUNTY OF  
CAMPBELL

SHEET NO.  
R005

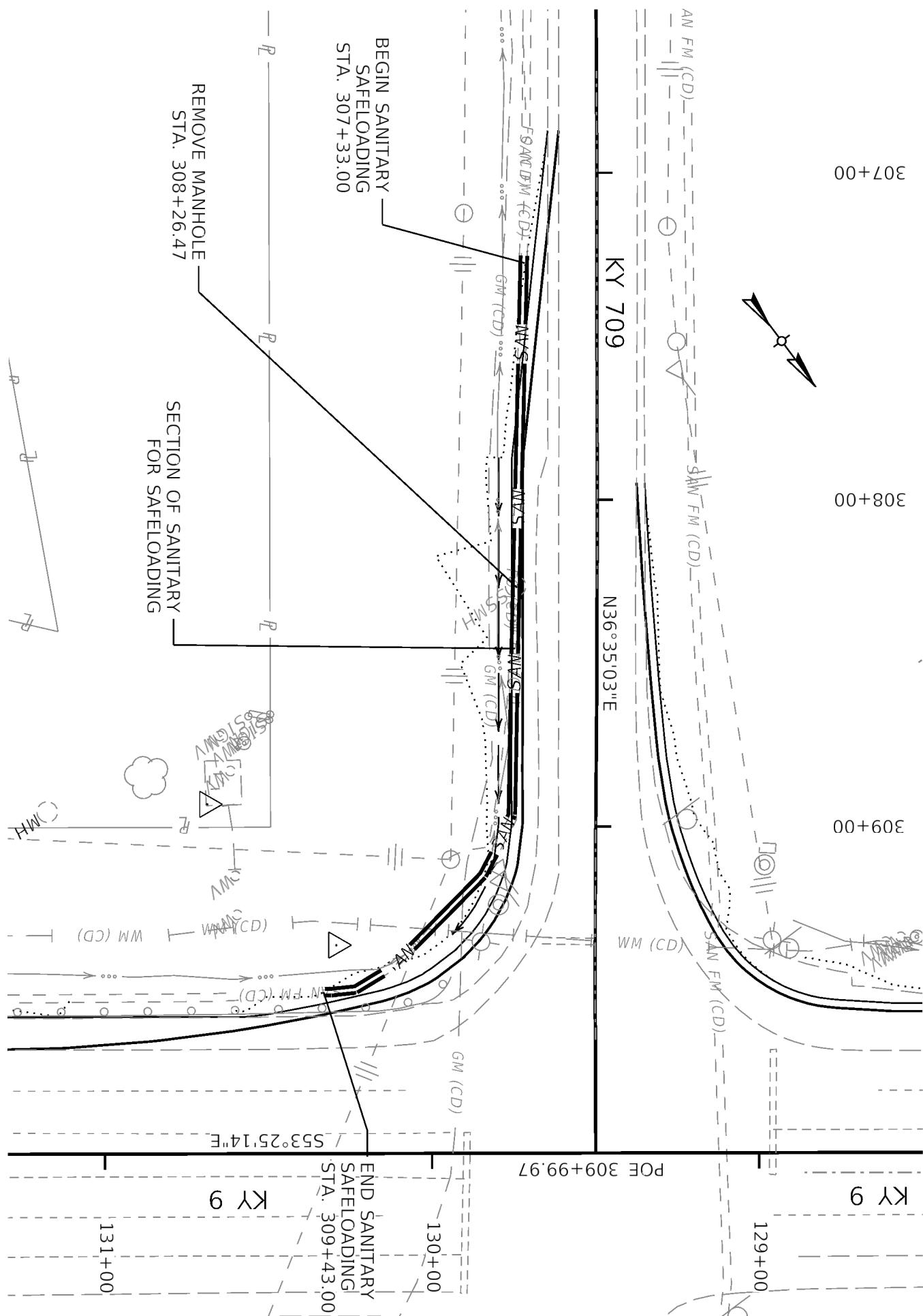


COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS  
DESIGNER V23.00.01.11  
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USER: ell

DRAWING TITLE: UTILITY REFERENCE SHEET  
STA. 306+50.00 TO STA. 310+50.00

HORIZONTAL SCALE: 1"=40'

06-80220.00	CAMPBELL
SHEET NO.	
R006	







COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE:

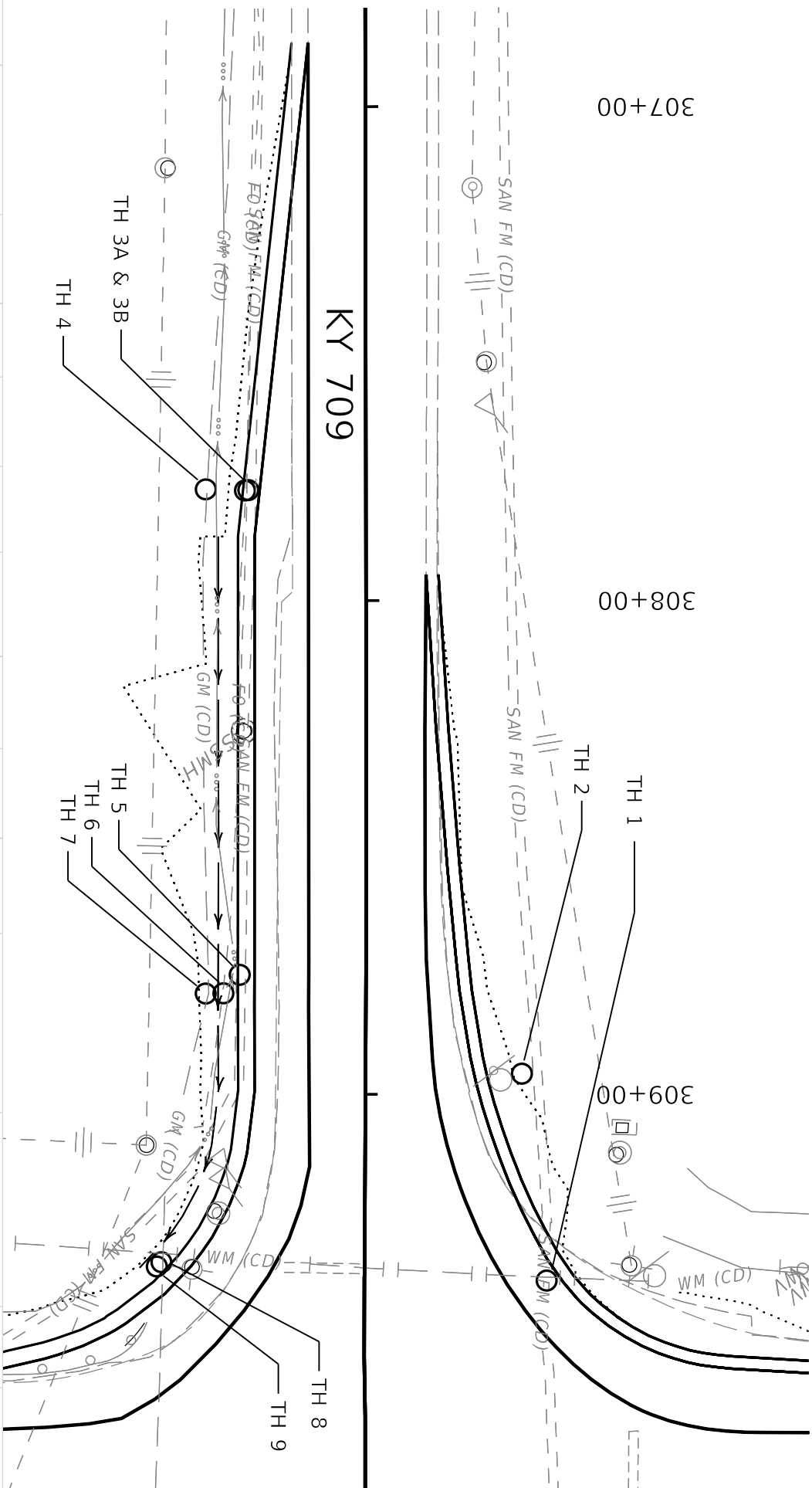
STA. 306+80.00 TO STA. 309+80.00



HORIZONTAL SCALE: 1"=30'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	

COUNTY OF  
CAMPBELL



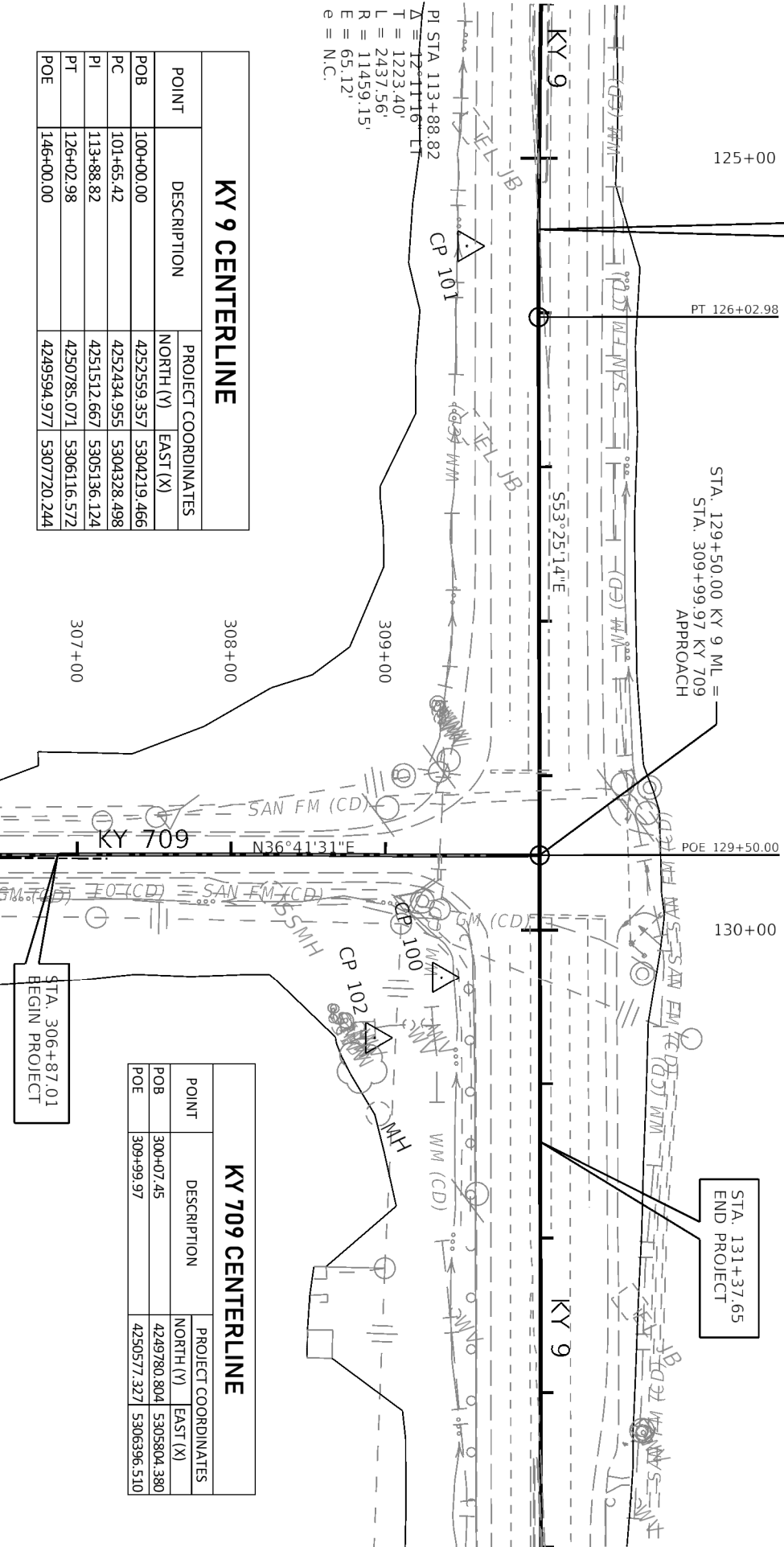
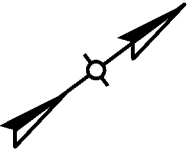
TEST HOLE #	UTILITY (SIZE & TYPE)	ALIGNMENT	STATION	L/R	OFFSET?	OFFSET (FT)	NORTHING (Y)	EASTING (X)	LAT	LONG	GROUND ELEVATION (FT)	TOP UTILITY ELEVATION (FT)	DEPTH (FT)	SURFACE TYPE
TH 1	WATER (N/A)	KY 709	309+36.34	L		36.9214	4250549.416	5306329.868	38.9886860°	-84.3953664°	697.01	692	5.01	Asphalt
TH 2	SANITARY (N/A)	KY 709	308+95.61	L		31.7473	4250512.852	5306308.812	38.9885864°	-84.3954424°	695.48	N/A	N/A	Soil
TH 3A	FIBER OPTIC (3")	KY 709	307+77.59	R		23.9506	4250384.998	5306282.485	38.9882365°	-84.3955415°	696.57	693.29	3.28	Soil
TH 3B	SANITARY (N/A)	KY 709	307+77.67	R		24.6309	4250384.998	5306283.077	38.9882355°	-84.3955394°	696.45	692.63	3.82	Soil
TH 4	GAS MAIN (4.5")	KY 709	307+77.42	R		32.5631	4250379.723	5306289.295	38.9882218°	-84.3955178°	696.21	693.53	2.68	Soil
TH 5	SANITARY (7")	KY 709	308+75.98	R		25.5565	4250462.603	5306342.632	38.9884471°	-84.3953260°	697.45	693.53	3.92	Soil
TH 6	FIBER OPTIC (2.5")	KY 709	308+79.74	R		28.8338	4250463.619	5306347.514	38.9884497°	-84.3953088°	697.44	695.14	2.3	Soil
TH 7	GAS MAIN (4.5")	KY 709	308+79.82	R		32.4279	4250460.507	5306350.423	38.9884411°	-84.3952987°	697.32	694.52	2.8	Soil
TH 8	GAS MAIN (4.5")	KY 709	309+34.04	R		41.1490	4250499.731	5306390.166	38.9885472°	-84.3951569°	698.39	694.26	4.13	Soil
TH 9	WATER (N/A)	KY 709	309+34.91	R		42.0762	4250499.871	5306391.429	38.9885475°	-84.3951524°	698.44	N/A	N/A	Soil

PROJECT COORDINATES

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

COORDINATE CONTROL POINTS

POINT	DESCRIPTION	PROJECT COORDINATES			STATION AND OFFSET	
		NORTH (Y)	EAST (X)	ELEV. (Z)		
C.P. #100	Iron Pin with Cap	4250478.964	5306422.131	700.979	130+30.77	63.72 Right
C.P. #101	Iron Pin with Cap	4250775.304	5306051.9	683.261	125+57.07	46.50 Right
C.P. #102	Cut Notch in Concrete Pad	4250420.708	5306427.916	703.500	130+70.14	107.05 Right
C.P. #103	Iron Pin with Cap	4249976.483	5305949.072	699.053	302+50.81	47.33 Right



KY 9 CENTERLINE

POINT	DESCRIPTION	PROJECT COORDINATES	
		NORTH (Y)	EAST (X)
POB	100+00.00	4252559.357	5304219.466
PC	101+65.42	4252434.955	5304328.498
PI	113+88.82	4251512.667	5305136.124
PT	126+02.98	4250785.071	5306116.572
POE	146+00.00	4249594.977	5307720.244

KY 709 CENTERLINE

POINT	DESCRIPTION	PROJECT COORDINATES	
		NORTH (Y)	EAST (X)
POB	300+07.45	4249780.804	5305804.380
POE	309+99.97	4250577.327	5306396.510

PI STA 113+88.82  
 $\Delta = 12^\circ 11' 16''$  LT  
T = 1223.40'  
L = 2437.56'  
R = 11459.15'  
E = 65.12'  
e = N.C.

125+00

STA. 125+46.17  
BEGIN PROJECT

PT 126+02.98

STA. 129+50.00 KY 9 ML =  
STA. 309+99.97 KY 709  
APPROACH

POE 129+50.00

130+00

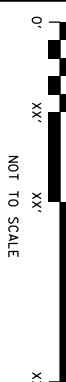
STA. 131+37.65  
END PROJECT

DETOUR SIGNS REQUIRED				
SIGN	DESCRIPTION	SIZE	EACH	SQ. FT.
M1-5	STATE ROUTE 709	30" X 24"	10	50
M3-2P	EAST	24" X 12"	10	20
M4-8P	DETOUR	24" X 12"	9	18
M4-8a	END DETOUR	24" X 18"	1	3
M5-1P	ADVANCE TURN AROUND (L & R)	21" X 15"	2	4.5
M6-1P	DIRECTIONAL ARROW (PLAQUE)	21" X 15"	3	6.75
M6-3P	DIRECTIONAL ARROW (PLAQUE)	21" X 15"	4	8.75
R5-1	DO NOT ENTER	30" X 30"	1	6.25
R11-2*	ROAD CLOSED*	48" X 30"	1	10
R11-4*	ROAD CLOSED TO THRU TRAFFIC*	60" X 30"	1	13
W20-2	DETOUR AHEAD	36" X 36"	2	18
W20-3	ROAD CLOSED XX FT AHEAD	36" X 36"	3	27
				185

\* USE WITH TYPE III BARRICADE

DEPARTMENT OF HIGHWAYS

DRAWING TITLE: DETOUR ROUTE



NOT TO SCALE

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
R009	

500

e

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PRIOR TO INSTALLING ANY LANE CLOSURE, THE CONTRACTOR SHALL GIVE A MINIMUM OF 10 DAYS NOTICE AND APPROVAL MUST BE OBTAINED BY THE ENGINEER.

TEMPORARY LANE CLOSURES WILL NOT BE PERMITTED DURING THE FOLLOWING TIMES:

MONDAY THROUGH FRIDAY 3:00PM TO 6:00PM

TEMPORARY LANE CLOSURES SHALL NOT BE ALLOWED ON WEEKENDS AND HOLIDAYS. NO

JULY 4 - 6, 2025

CLOSURES SHALL NOT BE ALLOWED FOR SPECIAL EVENTS OR OTHER OCCASIONS WHERE AT THE DISCRETION OF THE ENGINEER, ADDITIONAL DAYS AND HOURS MAY BE ADDED WHEN

TRAFFIC CONGESTION IS ANTICIPATED.

KT 9 (A) HILSHWAY  
THE CONTRACTOR S

THE CONTRACTOR SHALL MAINTAIN A TWO LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 11 FEET ON KY 9 DURING NON-WORKING HOURS. TEMPORARY CLOSURE OF THE OUTSIDE SOUTHBOUND LANE MAY BE ALLOWED DURING NON-PEAK HOURS WITH PRIOR APPROVAL OF THE ENGINEER AND PROVIDED ADEQUATE SIGNING AND TRAFFIC CONTROL DEVICES ARE IN PLACE.

KY 709 (E ALEXANDRIA PIKE)

THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 10 FEET ON KY 709 DURING NON-WORKING HOURS. HOWEVER, ONE-WAY TRAFFIC MAY BE ALLOWED DURING NON-PEAK HOURS WITH PRIOR APPROVAL OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAG PERSON ARE AT THE LOCATION.

TO THE CLOSURE OF EASTBOUND KY 709 FROM EAST OF THE SEASONS ENTRANCE (MP 0.36) TO THE INTERSECTION WITH KY 9, A MP 0.61, SHALL BE PERMITTED FOR A CONTINUOUS PERIOD NOT TO EXCEED THREE WEEKS. A DETAILED SCHEDULE AND TRAFFIC PLAN MUST FIRST BE APPROVED BY THE ENGINEER TO DETERMINE THE NECESSARY MEASURES REQUIRED TO ALLOW THE CLOSURE. LOCAL SCHOOLS SHALL BE NOTIFIED TWO WEEKS IN ADVANCE BEFORE THE CLOSURE OF EASTBOUND KY 709.

TRAFFIC CAN USE KY 709 (E ALEXANDRIA PIKE) TO US 27 (ALEXANDRIA PIKE) TO KY 9 (AA HIGHWAY) AS A DETOUR AROUND THE CLOSED SECTION OF KY 709, A 4.4 MILE LOOP.

KY 709 WESTBOUND TO REMAIN  
OPEN DURING CONSTRUCTION

$$305+00$$

SECTION OF KY 709 EASTBOUND CLOSED TO TRAFFIC

## TYPE III BARRICADE

~~130+00~~

TYPE III  
BARRICADE

# ROAD CLOSED

COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

DRAWING TITLE: CLOSURE TRAFFIC CONTROL NOTES

HORIZONTAL SCALE: 1"=100'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
R010	

COUNTY OF  
CAMPBELL

## **TRAFFIC CONTROL**

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS.
2. EXCEPT FOR THE ROADWAY AND TRAFFIC CONTROL BID ITEMS LISTED, ALL ITEMS OF WORK NECESSARY TO MAINTAIN AND CONTROL TRAFFIC WILL BE PAID AT THE LUMP SUM BID PRICE TO "MAINTAIN AND CONTROL TRAFFIC" AS SET FORTH IN THE CURRENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION UNLESS OTHERWISE PROVIDED FOR IN THESE NOTES. THE LUMP SUM BID TO "MAINTAIN AND CONTROL TRAFFIC" SHALL ALSO INCLUDE, BUT IS NOT LIMITED TO, THE FOLLOWING ITEMS AND OPERATIONS:
  - A. ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.
  - B. ALL FLAG PERSONS AND TRAFFIC CONTROL DEVICES SUCH AS, BUT NOT LIMITED TO, FLASHERS, SIGNS, BARRICADES AND VERTICAL PANELS, PLASTIC DRUMS (STEEL DRUMS WILL NOT BE PERMITTED) AND CONES NECESSARY FOR THE CONTROL AND PROTECTION OF VEHICULAR AND PEDESTRIAN TRAFFIC AS SPECIFIED IN THESE NOTES, THE PLANS, THE MUTCD OR THE ENGINEER.
  - C. LANE CLOSURES AND ALL NECESSARY ITEMS AND WORK NECESSARY TO PERFORM THIS WORK.
3. ANY TEMPORARY TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL REMAIN THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED.
4. THE CONTRACTOR SHALL COMPLETELY COVER ANY SIGNS, EITHER EXISTING, PERMANENT OR TEMPORARY, WHICH DO NOT PROPERLY APPLY TO THE CURRENT TRAFFIC PHASING, AND SHALL MAINTAIN THE COVERING UNTIL THE SIGNS ARE APPLICABLE OR ARE REMOVED.
5. 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.
6. THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSOVERS, OR DETOURS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.
7. IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND PROPOSAL, HE/SHE SHALL PREPARE AN ALTERNATE PLAN AND PRESENT IT IN WRITING TO THE ENGINEER. THIS ALTERNATE PLAN CAN BE USED ONLY AFTER REVIEW AND APPROVAL OF THE DIVISIONS OF TRAFFIC, DESIGN, AND CONSTRUCTION, AND THE FEDERAL HIGHWAY ADMINISTRATION, WHERE APPLICABLE.
9. IF TRAFFIC SHOULD BE STOPPED DUE TO CONSTRUCTION OPERATIONS AND AN

EMERGENCY VEHICLE ON AN OFFICIAL EMERGENCY RUN ARRIVES AT THE SCENE, THE CONTRACTOR SHALL MAKE THE PROVISIONS FOR THE PASSAGE OF THAT VEHICLE AS QUICKLY AS POSSIBLE.

10. REASONABLE MEANS OF INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL PROPERTIES WITHIN THE PROJECT LIMITS. ACCESS TO FIRE HYDRANTS MUST ALSO BE MAINTAINED AT ALL TIMES.

11. ALL SIGNS NECESSARY FOR A MARKED DETOUR WILL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY STANDARD DRAWINGS AND THE MUTCD. THESE SIGNS SHALL BE PAID FOR BY THE SQUARE FOOT. THIS QUANTITY SHALL INCLUDE SIGN MOUNTING HARDWARE AND POSTS.

12. THE CONTRACTOR SHALL SCHEDULE A REVIEW OF FINAL STRIPING PLANS PRIOR TO PLACEMENT WITH PROJECT TRAFFIC ENGINEER.

13. PAVEMENT DROP-OFF

A PAVEMENT EDGE THAT TRAFFIC IS NOT EXPECTED TO CROSS, EXCEPT ACCIDENTALLY, SHOULD BE TREATED AS FOLLOWS:

- LESS THAN TWO INCHES - NO PROTECTION REQUIRED. WARNING SIGNS SHOULD BE PLACED IN ADVANCE AND THROUGHOUT THE DROP-OFF AREA.
- TWO TO FOUR INCHES - PLASTIC DRUMS, VERTICAL PANELS OR BARRICADES EVERY 100 FEET ON TANGENT SECTIONS FOR SPEEDS OF 50 MPH OR GREATER. CONES MAY BE USED IN PLACE OF PLASTIC DRUMS, PANELS AND BARRICADES DURING DAYLIGHT HOURS. FOR TANGENT SECTIONS WITH SPEEDS LESS THAN 50 MPH AND FOR CURVES, DEVICES SHOULD BE PLACED EVERY 50 FEET. SPACING OF DEVICES ON TAPERED SECTIONS SHOULD BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION.
- GREATER THAN FOUR INCHES - POSITIVE SEPARATION OR WEDGE WITH 3:1 OR FLATTER SLOPE NEEDED. IF THERE IS FIVE FEET OR MORE DISTANCE BETWEEN THE EDGE OF THE PAVEMENT AND THE DROP-OFF, THEN DRUMS, PANEL, OR BARRICADES MAY BE USED. IF THE DROP-OFF IS GREATER THAN 12 INCHES, POSITIVE SEPARATION IS STRONGLY ENCOURAGED. IF CONCRETE BARRIERS ARE USED, SPECIAL REFLECTIVE DEVICES OR STEADY BURN LIGHTS SHOULD BE USED FOR OVERNIGHT INSTALLATIONS.

FOR TEMPORARY CONDITIONS, DROP-OFFS GREATER THAN FOUR 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 CSB USED FOR WEDGING.

## 16. LANE CLOSURE

PRIOR TO INSTALLING ANY LANE CLOSURE, THE CONTRACTOR SHALL GIVE A MINIMUM OF 10 DAYS NOTICE AND APPROVAL MUST BE OBTAINED BY THE ENGINEER.

TEMPORARY LANE CLOSURES WILL NOT BE PERMITTED DURING THE FOLLOWING TIMES:

MONDAY THROUGH FRIDAY 6:00AM TO 9:00AM

MONDAY THROUGH FRIDAY 3:00PM TO 6:00PM

TEMPORARY LANE CLOSURES SHALL NOT BE ALLOWED ON WEEKENDS AND HOLIDAYS. NO CLOSURES WILL BE PERMITTED ON THE FOLLOWING DATES:

JULY 4 – 6, 2025

AUGUST 25 – SEPTEMBER 1, 2025

AT THE DISCRETION OF THE ENGINEER, ADDITIONAL DAYS AND HOURS MAY BE ADDED WHEN CLOSURES SHALL NOT BE ALLOWED, FOR SPECIAL EVENTS OR OTHER OCCASIONS WHERE TRAFFIC CONGESTION IS ANTICIPATED.

### KY 9 (AA HIGHWAY)

THE CONTRACTOR SHALL MAINTAIN A TWO LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 11 FEET ON KY 9 DURING NON-WORKING HOURS. TEMPORARY CLOSURE OF THE OUTSIDE SOUTHBOUND LANE MAY BE ALLOWED DURING NON-PEAK HOURS WITH PRIOR APPROVAL OF THE ENGINEER AND PROVIDED ADEQUATE SIGNING AND TRAFFIC CONTROL DEVICES ARE IN PLACE.

### KY 709 (E ALEXANDRIA PIKE)

THE CONTRACTOR SHALL MAINTAIN A TWO-LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 10 FEET ON KY 709 DURING NON-WORKING HOURS. HOWEVER, ONE-WAY TRAFFIC MAY BE ALLOWED DURING NON-PEAK HOURS WITH PRIOR APPROVAL OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAG PERSON ARE AT THE LOCATION.

THE CLOSURE OF EASTBOUND KY 709 FROM EAST OF THE SEASONS ENTRANCE (MP 0.36) TO THE INTERSECTION WITH KY 9 (MP 0.46) SHALL BE PERMITTED FOR A CONTINUOUS PERIOD NOT TO EXCEED THREE WEEKS. A DETAILED SCHEDULE AND TRAFFIC PLAN MUST FIRST BE APPROVED BY THE ENGINEER TO DETERMINE THE NECESSARY MEASURES REQUIRED TO ALLOW THE CLOSURE. LOCAL SCHOOLS SHALL BE NOTIFIED TWO WEEKS IN ADVANCE BEFORE THE CLOSURE OF EASTBOUND KY 709.

TRAFFIC CAN USE KY 709 (E ALEXANDRIA PIKE) TO US 27 (ALEXANDRIA PIKE) TO KY 9 (AA HIGHWAY) AS A DETOUR AROUND THE CLOSED SECTION OF KY 709, A 4.4 MILE LOOP.

## 17. PUBLIC INFORMATION PLAN (PIP)

KYTC DISTRICT 6 PUBLIC INFORMATION OFFICER (PIO) WILL INFORM THE MOTORING PUBLIC AND AREA STAKEHOLDERS OF PROJECT INFORMATION INCLUDING MAINTENANCE OF TRAFFIC. THE CONTRACTOR SHALL PROVIDE A 10 DAY NOTICE TO DISTRICT 6 BEFORE ANY WORK CAN BEGIN. PORTABLE CHANGEABLE MESSAGE SIGNS ARE TO BE UTILIZED ON THIS PROJECT.

### EROSION CONTROL NOTES

ALL SILT CONTROL DEVICES SHALL BE SIZED TO RETAIN A VOLUME OF 3,600 CUBIC FEET PER DISTURBED CONTRIBUTING ACRE.

THE CONTRACTOR SHALL CONDUCT OPERATIONS TO MINIMIZE THE AMOUNT OF DISTURBED GROUND DURING EACH PHASE OF CONSTRUCTION. THE CONTRACTOR SHALL COMPUTE THE VOLUME NECESSARY TO CONTROL SEDIMENT DURING EACH PHASE OF CONSTRUCTION. AS WORK PROCEEDS, SILT TRAPS/FENCES MAY BE ADDED OR REMOVED IN ORDER TO ACHIEVE THE BEST MANAGEMENT PLAN. THE REQUIRED VOLUME AT EACH SILT TRAP SHALL BE COMPUTED AS UP GRADIENT CONTRIBUTING AREAS ARE DISTURBED OR ARE STABILIZED TO THE SATISFACTION OF THE ENGINEER. THE REQUIRED VOLUME CALCULATION FOR EACH SILT TRAP SHALL BE DETERMINED BY THE CONTRACTOR AND VERIFIED BY THE ENGINEER. THE REQUIRED VOLUME AT EACH SILT TRAP MAY BE REDUCED BY THE FOLLOWING AMOUNTS:

- UP GRADIENT AREAS NOT DISTURBED (ACRES).
- UP GRADIENT AREAS THAT HAVE BEEN RECLAIMED AND PROTECTED BY EROSION CONTROL BLANKET OR OTHER GROUND PROTECTION MATERIAL SUCH AS TEMPORARY MULCH (ACRES).
- THE USE OF TEMPORARY MULCH IS ENCOURAGED.
- UP GRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT FENCE (ACRES). AREAS PROTECTED BY SILT FENCE SHALL BE COMPUTED AT A MAXIMUM RATE OF 100 SQUARE FOOT PER LINEAR FOOT OF SILT FENCE.
- UP GRADIENT AREAS THAT HAVE BEEN PROTECTED BY SILT TRAPS (ACRES).

THE EROSION CONTROL PLAN SHALL BE ANNOTATED AS THE WORK PROCEEDS BY THE CONTRACTOR TO DETAIL THE SELECTION OF EACH EROSION CONTROL DEVICE USED AND THE VOLUME PROVIDED BY EACH SILT TRAP IN ACCORDANCE WITH THE DOCUMENTATION PROCEDURES ESTABLISHED BY THE DIVISION OF CONSTRUCTION.

IF A SILT BASIN IS NOT USED THEN ONE SILT TRAP TYPE A, ALTERNATE NUMBER 2, OR) SILT TRAP TYPE B SHALL ALWAYS BE PLACED AT THE (MOST REMOTE DOWNSTREAM) COLLECTION POINT PRIOR TO DISCHARGING INTO A BLUE LINE STREAM OR ONTO AN ADJACENT PROPERTY OWNER. WHERE OVERLAND FLOWS EXIST, A SILT FENCE OR OTHER FILTER DEVICES MAY BE USED OR THE OVERLAND FLOW MAY BE DIVERTED TO ONE OF THE AFOREMENTED SILT BASIN OR TRAPS.

THE EROSION CONTROL PLANS DO NOT CONSTITUTE A BMP BY THEMSELVES. THEY PROVIDE A STARTING POINT FOR THE CONTRACTOR AND SECTION ENGINEER TO DEVELOP THE BMP ACCORDING TO SECTION 213.03.01 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND THE SUPPLEMENTAL SPECS EFFECTIVE WITH THE OCTOBER, 2004 LETTING.

EROSION CONTROL MEASURES SHALL BE IN PLACE AND FUNCTIONING PRIOR TO ANY EXCAVATION OR DISTURBANCE WITHIN A DRAINAGE AREA.

THE CONTRACTOR SHALL BE REQUIRED TO CLEAN OUT (REMOVE SEDIMENT FROM) SILT TRAPS AND SILT FENCES WHENEVER BECOME ONE- HALF FULL AND PROPERLY DISPOSE OF MATERIAL AT SITES APPROVED BY THE SECTION ENGINEER.



EROSION CONTROL MEASURES EMPLOYED BY THE CONTRACTOR WILL BE UNIQUE TO THE PROJECT AND WORK CONDITIONS AND SHALL BE APPROVED BY THE SECTION ENGINEER. THE DEVELOPMENT AND UTILIZATION OF THESE MEASURES WILL BE RECORDED AS PART OF THE BMP, KEPT ON SITE, AND AVAILABLE FOR PUBLIC INSPECTION.

#### GENERAL NOTES

##### 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 CALL IS TO BE PLACED A MINIMUM OF TWO (2) AND NO MORE THAN TEN (10) BUSINESS DAYS PRIOR TO EXCAVATION. THE CONTRACTOR SHOULD BE AWARE THAT OWNERS OF UNDERGROUND FACILITIES ARE NOT REQUIRED TO BE MEMBERS OF THE KY 811 ONE-CALL BEFORE-U-DIG (BUD) SERVICE. THE CONTRACTOR MUST COORDINATE EXCAVATION WITH THE UTILITY OWNERS, INCLUDING THOSE WHOM DO NOT SUBSCRIBE TO KY 811. IT MAY BE NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE WHAT UTILITY COMPANIES HAVE FACILITIES IN THE AREA.

##### 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.

##### 444 ASPHALT PAVEMENT RIDE QUALITY

PAVEMENT RIDEABILITY REQUIREMENTS, IN ACCORDANCE WITH SECTION 410 OF THE STANDARD SPECIFICATIONS, SHALL APPLY ON THIS PROJECT. CATEGORY A SHALL APPLY.

##### 448 COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED ON THIS PROJECT BY OPTION B ACCORDING TO SUBSECTIONS 402.03.02 AND 403.03.10 OF THE STANDARD SPECIFICATIONS.

455     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 HEEL INTO THE EXISTING SURFACE. THE CONTRACT UNIT BID LINEAR FOOT FOR "EDGE KEY" INCLUDES ALL NECESSARY MATERIALS, LABOE AND EQUIPMENT NECESSARY TO PERFORM THE WORK AND DISPOSE OF THE REMOVED ASPHALT.

650     STANDARD DRAWINGS

STANDARD DRAWINGS ARE NOT ATTACHED TO THESE PLANS. A STANDARD DRAWING BOOK AND THE HEADWALL SUPPLEMENTAL BOOK MAY BE OBTAINED FROM THE POLICY SUPPORT BRANCH OF THE DEPARTMENT OF ADMINISTRATIVE SERVICES IN FRANKFORT, KY. AT (502) 564-3670

CROSS SECTIONS

CROSS-SECTIONS FOR THIS PROJECT WERE DEVELOPED WITH LESS PAVEMENT THICKNESS BEFORE THE PAVEMENT DESIGN WAS REVISED. TYPICAL SECTIONS AND QUANTITIES WERE ADJUSTED TO REFLECT THIS CHANGE. HOWEVER, CROSS-SECTIONS WERE NOT REVISED AND, IN THIS CASE, TYPICAL SECTIONS GOVERN OVER CROSS-SECTIONS.

SUBSURFACE UTILITY ENGINEERING (SUE)

SUE WAS PERFORMED ON THIS PROJECT. SEE SUE DATA SHEET FOR LOCATIONS. ALL UTILITY ELEVATIONS SHOWN ON CROSS SECTIONS ARE APPROXIMATE AND WERE NOT ADJUSTED AFTER SUE INVESTIGATION.

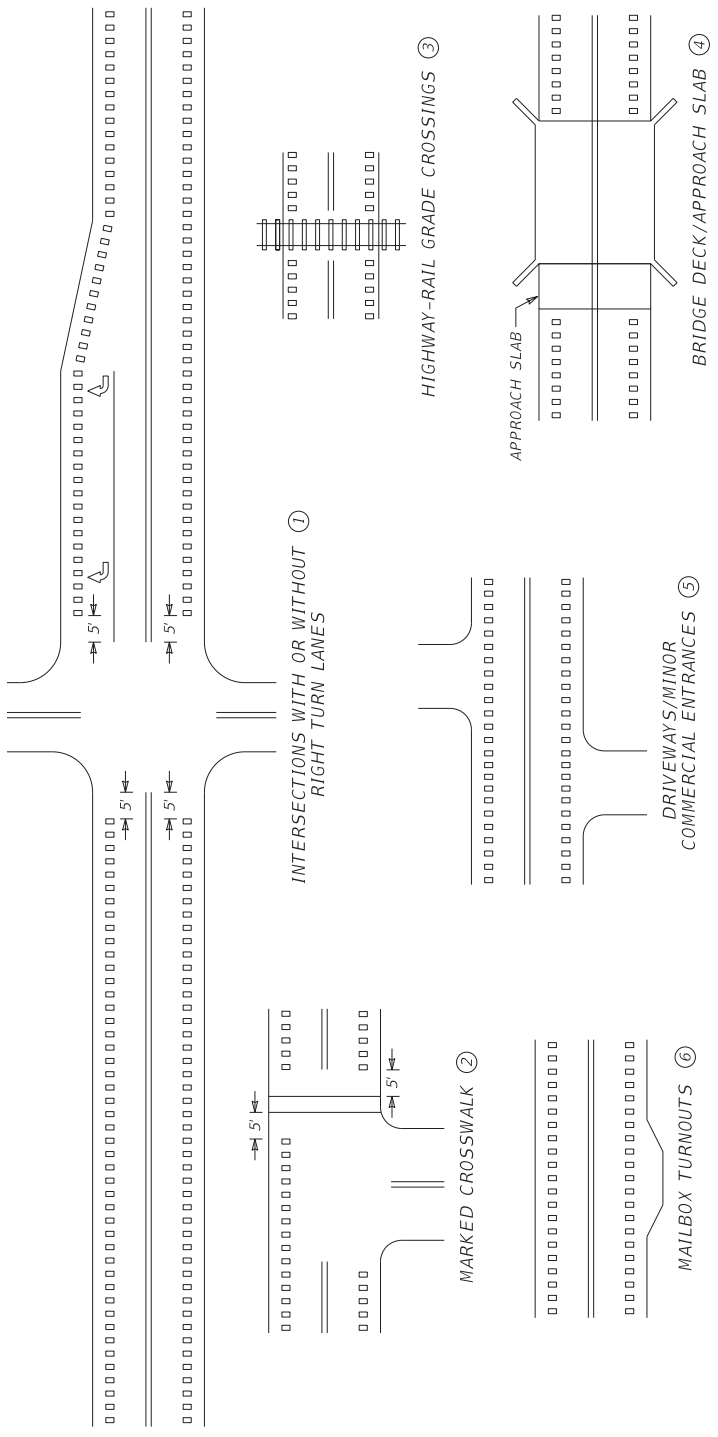
SPECIAL NOTES INCLUDED IN THE PROPOSAL

SPECIAL NOTE 1I – PORTABLE CHANGEABLE MESSAGE SIGNS

SPECIAL NOTE 11M - BARCODE LABEL ON PERMANENT SIGNS

SPECIAL NOTE 11N - LONGITUDINAL PAVEMENT JOINT ADHESIVE

SPECIAL NOTE FOR GEOGRID PLACEMENT FOR SUBGRADE



~ NOTES ~

- ① EDGELINE RUMBLE STRIPS SHALL BE OMITTED THROUGH MAJOR INTERSECTIONS WITH OR WITHOUT RIGHT-TURN LANES. OMIT EDGELINE RUMBLE STRIPS APPROXIMATELY 5' IN ADVANCE OF THE AREA WHERE EDGELINE PAVEMENT MARKINGS HAVE BEEN OMITTED (NORMALLY WHERE THE SIDE STREET RADIUS INTERSECTS THE MAINLINE).
- ② EDGELINE RUMBLE STRIPS SHALL NOT BE INSTALLED THROUGH MARKED CROSSWALKS. OMIT EDGELINE RUMBLE STRIPS APPROXIMATELY 5 FT IN ADVANCE OF MARKED CROSSWALKS.
- ③ EDGELINE RUMBLE STRIPS SHALL NOT BE INSTALLED ACROSS HIGHWAY-RAIL GRADE CROSSINGS.
- ④ EDGELINE RUMBLE STRIPS SHALL NOT BE INSTALLED ON BRIDGE DECKS OR APPROACH SLABS.
- ⑤ EDGELINE RUMBLE STRIPS SHALL BE INSTALLED THROUGH DRIVEWAYS & MINOR COMMERCIAL ENTRANCES.
- ⑥ EDGELINE RUMBLE STRIPS SHALL BE INSTALLED THROUGH MAILBOX TURNOUTS.
7. EDGELINE RUMBLE STRIPS SHOULD BE OMITTED WHERE THE POSTED SPEED LIMIT IS 45 MPH OR LESS.

DRAWING NOT TO SCALE

USE WITH CUR. STD. DWGS.  
TPR-120, TPR-125, AND  
TPR-130

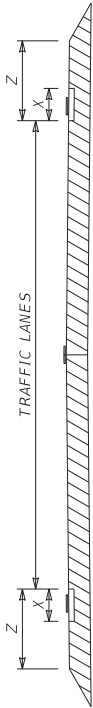
BID ITEMS AND UNIT TO BID  
EDGELINE RUMBLE STRIPS

LF

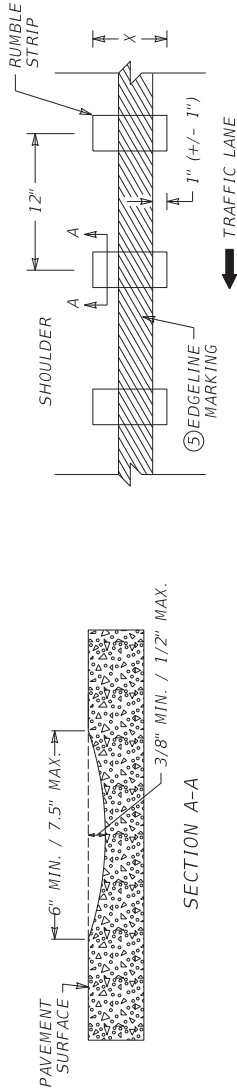
SUBMITTED *[Signature]* 08-21-2023  
DIVISION DIRECTOR DATE

COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: SEPIA 028 - EDGELINE RUMBLE STRIP PLACEMENT DETAILS		ITEM NO.	COUNTY OF
			SHEET NO.	

SHOULDER WIDTH (Z) ②	RUMBLE TYPE ①	RUMBLE LENGTH (X) ③
>= 1' up to < 3'	ELRS	8"
>= 3' up to < 6.5'	ELRS ⑥	8"
>= 6.5' up to < 8'	ELRS ⑥	12"
>= 8'	ELRS ⑥	16"

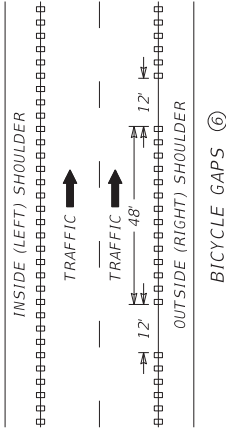


PAVEMENT CROSS-SECTION  
(FOR EDGE LINE RUMBLE STRIPS)



~ NOTES ~

- FOR MULTI-LANE ROADWAYS, THE RUMBLE TYPE TO BE INSTALLED IS EDGE LINE RUMBLE STRIPS (ELRS).
- FOR EDGE LINE RUMBLE STRIPS, THE SHOULDER WIDTH (Z) IS FROM THE LANE SIDE EDGE OF THE EDGE LINE RUMBLE STRIP TO THE OUTSIDE EDGE OF SHOULDER PAVEMENT.
- THE RUMBLE LENGTH (X) MAY BE MODIFIED AS DIRECTED BY THE ENGINEER.
- THE DIMENSIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. MAINTAIN RUMBLE STRIP DIMENSIONS AND SPACING AS MUCH AS POSSIBLE.
- PLACE THE EDGE LINE MARKING SO THAT THE LANE SIDE EDGE OF THE MARKING GENERALLY FOLLOWS THE LANE SIDE EDGE OF THE RUMBLE STRIP. THE TARGET IS FOR THE LANE SIDE EDGE OF THE MARKING TO BE 1" BEYOND THE LANE SIDE EDGE OF THE RUMBLE STRIP WITH AN ACCEPTABLE VARIANCE OF +/- 1".
- EDGE LINE RUMBLE STRIPS ALONG OUTSIDE (RIGHT) SHOULDERS THAT ARE 3' OR WIDER SHALL INCLUDE BICYCLE GAPS AS DETAILED. BICYCLE GAPS ARE NOT REQUIRED ON INSIDE (LEFT) SHOULDERS.  
NOTE: BICYCLE GAPS SHALL NOT BE USED ON INTERSTATES AND PARKWAYS.
- RUMBLE STRIPS SHOULD BE OMITTED WHERE THE POSTED SPEED LIMIT IS 45 MPH OR LESS, OR WHEN THE SHOULDER WIDTH (Z) IS LESS THAN 1 FT.



DRAWING NOT TO SCALE  
USE WITH CUR. STD. DWG.  
TPR-115

LF  
LF

SUBMITTED *[Signature]* 08-21-2023  
DIVISION DIRECTOR DATE



DRAWING TITLE: SEPIA 030 - EDGE LINE RUMBLE STRIP DETAILS MULTI-LANE ROADWAYS AND RAMPS

ITEM NO. COUNTY OF  
SHEET NO.

FILE NAME: C:\PAV\BROW\KTC\_C\WILLIAMS\BROW\0250\TPR115.DGN

USER: williamsdgn

OpenRoads Designer V11.12.02.4

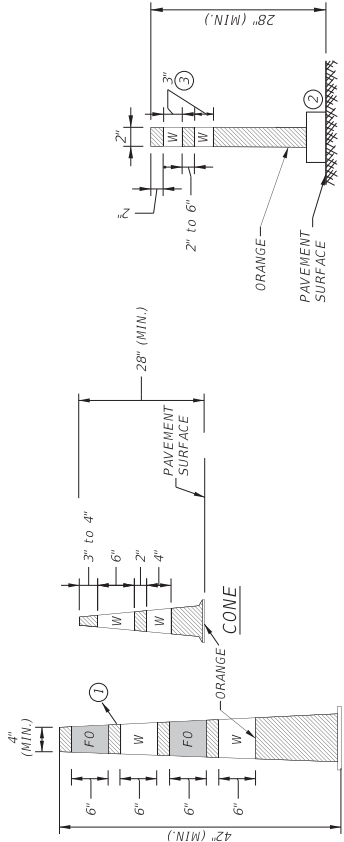
~NOTES~

- ① THE MAXIMUM DISTANCE BETWEEN THE EDGES OF ADJACENT RETROREFLECTIVE SHEETING STRIPS SHALL BE 3 INCHES.
  - ② KEEP BALLAST TO A MINIMUM BASE AREA NEEDED THAT WILL NOT IMPEDE THE TRAVEL LANE.
  - ③ FOR TUBULAR MARKERS 42" OR TALLER, USE 6" ALTERNATING ORANGE AND WHITE STRIPES WITH THE TOP STRIPE BEING ORANGE.
  - 4. RETROREFLECTIVE SHEETING FOR CHANNELIZING DEVICES UTILIZED IN HIGHWAY WORK ZONES SHALL BE TYPE IV OR HIGHER.
  - 5. CHANNELIZING DEVICES SHALL SATISFY MASH CRASH EVALUATION CRITERIA.
  - 6. THE NAME AND PHONE NUMBER OF THE CONTRACTOR OR SUPPLIER MAY BE DISPLAYED ON THE NON-REFLECTIVE SURFACE OF CHANNELIZING DEVICES. THE LETTERS AND NUMBERS OF THE NAME AND PHONE NUMBER SHALL BE NON-REFLECTIVE AND NOT OVER 2 INCHES IN HEIGHT.
- ⑦ WHERE BARRICADES EXTEND ENTIRELY ACROSS A ROADWAY, THE STRIPES SHOULD SLOPE DOWNWARD IN THE DIRECTION TOWARD WHICH ROAD USERS MUST TURN. WHERE BOTH RIGHT AND LEFT TURNS ARE PROVIDED, THE BARRICADE STRIPES SHOULD SLOPE DOWNWARD IN BOTH DIRECTIONS. WHERE THE BARRICADE IS A BARRICADE OR BARRICADES, WHERE NO TURNS ARE INTENDED, THE STRIPES SHOULD BE POSITIONED TO SLOPE DOWNWARD TOWARD THE CENTER OF THE BARRICADE OR BARRICADES.

BID ITEMS AND UNIT TO BID  
ITEM # 02014 BARRICADE - TYPE III EACH  
ITEM # 03225 TUBULAR MARKERS EACH

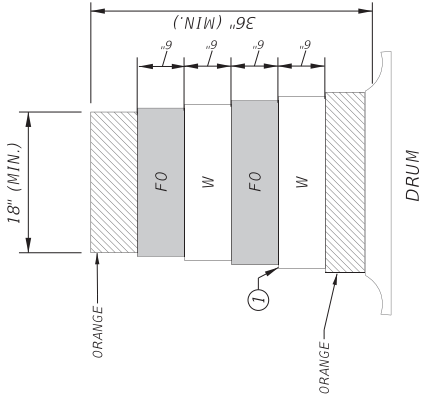
~LEGEND~

W = WHITE RETROREFLECTIVE SHEETING  
FO = FLUORESCENT ORANGE RETROREFLECTIVE SHEETING

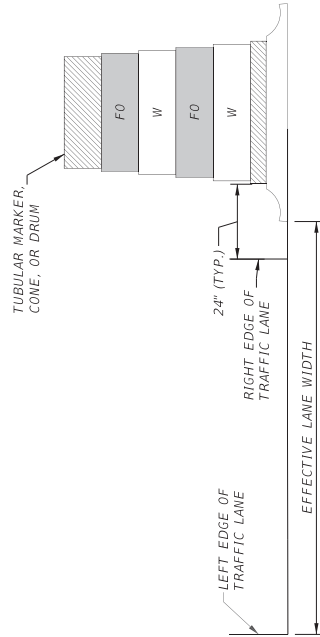


GRABBER CONE

TUBULAR MARKER



TYPICAL PLACEMENT OF CHANNELIZING DEVICES



TYPE III BARRICADE ⑦

SUBMITTED: *[Signature]* 01/17/24  
DIVISION DIRECTOR DATE

DRAWING TITLE: SEPIA 033 - CHANNELIZING DEVICES (INCLUDING BARRICADES)

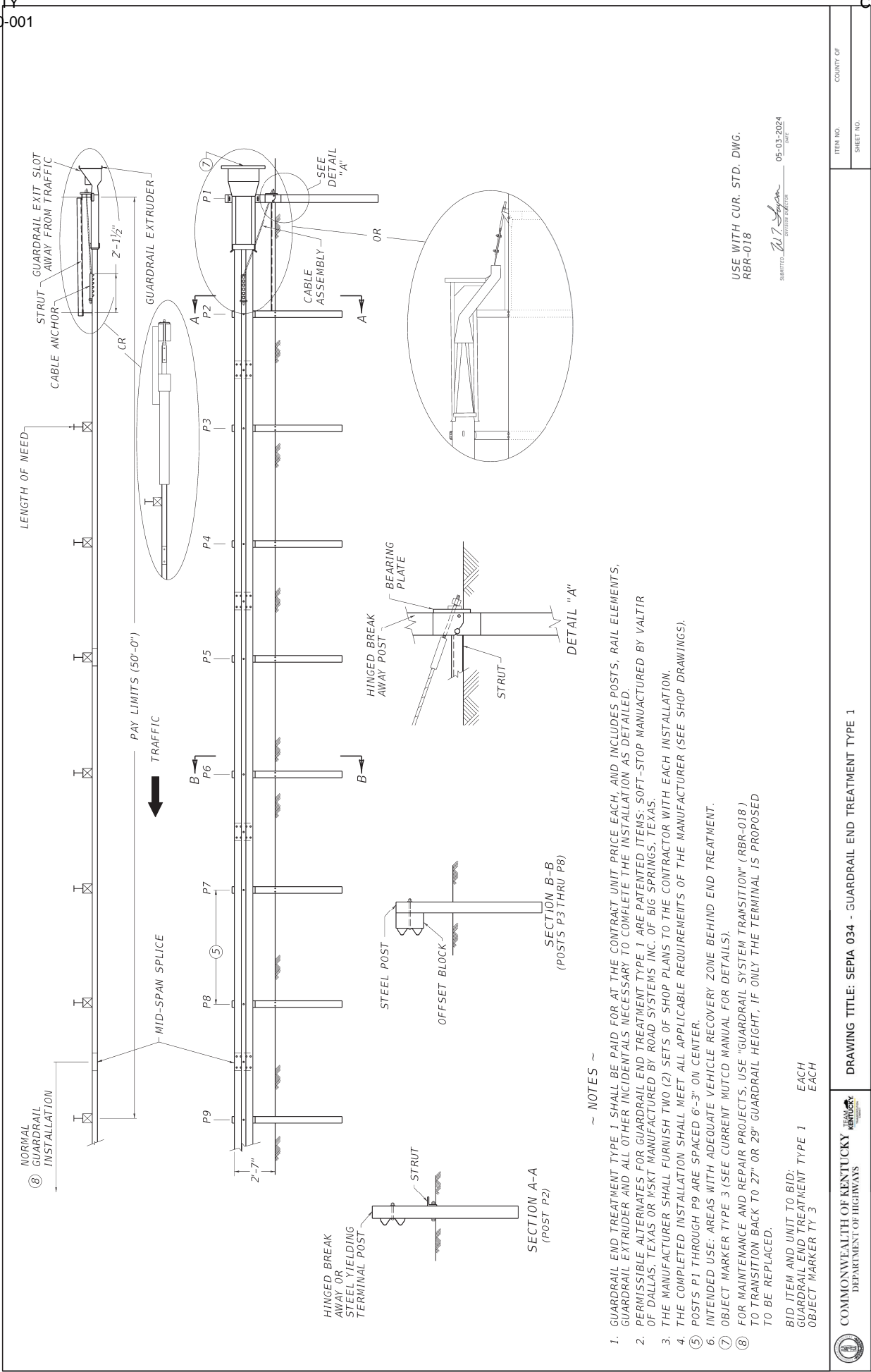
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



FILE NAME: C:\PAW\BROK\KTC\_C\WILLIAMS\BROK\2025\SEP\B01.DGN

USER: williamsd

OpenRoads Designer (1) 12.02.4



USE WITH CUR. STD. DWG.  
RBR-018  
SUBMITTED: *W. J. S. S. S.* 05-03-2024  
BY: *W. J. S. S. S.*

- ~ NOTES ~
1. GUARDRAIL END TREATMENT TYPE 1 SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH, AND INCLUDES POSTS, RAIL ELEMENTS, GUARDRAIL EXTRUDER AND ALL OTHER INCIDENTALS NECESSARY TO COMPLETE THE INSTALLATION AS DETAILED.
  2. PERMISSIBLE ALTERNATES FOR GUARDRAIL END TREATMENT TYPE 1 ARE PATENTED ITEMS: SOFT-STOP MANUFACTURED BY VALTR OF DALLAS, TEXAS OR NSKT MANUFACTURED BY ROAD SYSTEMS INC. OF BIG SPRINGS, TEXAS.
  3. THE MANUFACTURER SHALL FURNISH TWO (2) SETS OF SHOP PLANS TO THE CONTRACTOR WITH EACH INSTALLATION.
  4. THE COMPLETED INSTALLATION SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE MANUFACTURER (SEE SHOP DRAWINGS).
  5. POSTS P1 THROUGH P9 ARE SPACED 6'-3" ON CENTER.
  6. INTENDED USE: AREAS WITH ADEQUATE VEHICLE RECOVERY ZONE BEHIND END TREATMENT.
  7. OBJECT MARKER TYPE 3 (SEE CURRENT MUTCD MANUAL FOR DETAILS).
  8. FOR MAINTENANCE AND REPAIR PROJECTS, USE "GUARDRAIL SYSTEM TRANSITION" (RBR-018) TO TRANSITION BACK TO 27" OR 29" GUARDRAIL HEIGHT. IF ONLY THE TERMINAL IS PROPOSED TO BE REPLACED.

BID ITEM AND UNIT TO BID:  
GUARDRAIL END TREATMENT TYPE 1 EACH  
OBJECT MARKER TY 3 EACH



DRAWING TITLE: SEPIA 034 - GUARDRAIL END TREATMENT TYPE 1

FILE NAME: C:\P\WORK\CORPINE SCHUMANN\2024\SEP\PA04.DGN

USER: corpine.schumann

ITEM NO.  
COUNTY OF  
SHEET NO.

GENERAL SUMMARY			
ITEM	DESCRIPTION	UNIT	TOTAL PROJECT
2014	BARRICADE-TYPE III	EACH	3
2200	ROADWAY EXCAVATION	CUYD	919
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	12.5
2367	GUARDRAIL END TREATMENT TYPE 1	EACH	1
2381	REMOVE GUARDRAIL	LF	200
2562	TEMPORARY SIGNS	SQFT	185
2569	DEMOBILIZATION	LS	1
2585	EDGE KEY	LF	16
2650	MAINTAIN & CONTROL TRAFFIC	LS	1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	4
2690	SAFELOADING	CUYD	2
2697	EDGE LINE RUMBLE STRIPS	LF	325
2701	TEMP SILT FENCE	LF	491
4793	CONDUIT-1 1/4 IN	LF	440
4820	TRENCHING AND BACKFILLING	LF	500
4844	CABLE-NO. 14/5C	LF	440
4845	CABLE-NO. 14/7C	LF	1610
4886	MESSENGER-15400 LB	LF	650
4932	INSTALL STEEL STRAIN POLE	EACH	4
4953	TEMP RELOCATION OF SIGNAL HEAD	EACH	18
5950	EROSION CONTROL BLANKET	SQYD	321
5985	SEEDING AND PROTECTION	SQYD	576
6406	SBM ALUM SHEET SIGNS .080 IN	SQFT	52
6410	STEEL POST TYPE 1	LF	36
6472	INSTALL SPAN MOUNTED SIGN	EACH	3
6515	PAVE STRIPING-PERM PAINT-6 IN	LF	565
6542	PAVE STRIPING-THERMO-6 IN W	LF	765
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	39
6574	PAVE MARKING-THERMO CURV ARROW	EACH	7
15093	S MANHOLE ABANDON/REMOVE	EACH	1

20071EC	JOINT ADHESIVE	LF	595
21289ED	LONGITUDINAL EDGE KEY	LF	595
24969ED	LONGITUDINAL SAW CUT	LF	595
20188NS835	INSTALL LED SIGNAL-3 SECTION	EACH	9
20189NS835	INSTALL LED SIGNAL-5 SECTION	EACH	1
20266ES835	INSTALL LED SIGNAL- 4 SECTION	EACH	2
23068NN	REMOVE & REINSTALL COORDINATING UNIT	EACH	1
23157EN	TRAFFIC SIGNAL POLE BASE	CUYD	36
24631EC	BARCODE SIGN INVENTORY	EACH	10
24901EC	PVC CONDUIT-2 IN-SCHEDULE 80	LF	60
24908EC	INSTALL SIGNAL CONTROLLER-TY ATC	EACH	1
24955ED	REMOVE SIGNAL EQUIPMENT	EACH	1
26119EC	INSTALL RADAR PRESENCE DETECTOR TYPE A	EACH	4



PAVING SUMMARY					
ITEM CODE	ITEM	UNIT	KY 9	KY 709	TOTAL PROJECT
00003	CRUSHED STONE BASE (1)	TON	626	520	1146
00005	GEOGRID REINFORCEMENT FOR SUBGRADE (2)	SQYD	921	740	1661
00100	ASPHALT SEAL AGGREGATE (3)	TON		1.8	1.8
00103	ASPHALT SEAL COAT (4)	TON		0.2	0.2
00217	CL4 ASPH BASE 1.00D PG64-22 (5)	TON	204		204
00219	CL4 ASPH BASE 1.00D PG76-22 (5)	TON	209		209
00342	CL4 ASPH SURF 0.38A PG76-22 (5)	TON	78		78
00356	ASPHALT MATERIAL FOR TACK (6)	TON	0.8		0.8
02071	JPC PAVEMENT-11 IN	SQYD		677	677
02602	FABRIC-GEOTEXTILE CLASS 1	SQYD	921	740	1661

- (1) ESTIMATED AT 115 LBS PER SQYD PER INCH OF DEPTH
- (2) SEE SPECIAL NOTE
- (3) ESTIMATED AT 20 LBS PER SQYD. TWO APPLICATIONS REQUIRED.
- (4) ESTIMATED AT 2.4 LBS PER SQYD. TWO APPLICATIONS REQUIRED.
- (5) ESTIMATED AT 110 LBS PER SQYD PER INCH OF DEPTH
- (6) ESTIMATED AT 0.84 LBS. PER SQYD

PAVING AREAS	KY 9	KY 709	TOTALS
	SQUARE YARDS		
6" CRUSHED STONE BASE	921	740	1661
6" CRUSHED STONE BASE	823	766	1589
GEOGRID REINFORCEMENT FOR SUBGRADE	921	740	1661
ASPHALT SEAL AGGREGATE		90	90
ASPHALT SEAL COAT		90	90
4.25" CL4 ASPH BASE 1.00D PG64-22	872		872
4" CL4 ASPH BASE 1.00D PG76-22	947		947
1.5" 'CL4 ASPH SURF 0.38A PG76-22	940		940
ASPHALT MATERIAL FOR TACK	1819		1819
JPC PAVEMENT-11 IN		677	677
FABRIC-GEOTEXTILE CLASS 1	921	740	1661

PAVING SUMMARY					
ITEM CODE	ITEM	UNIT	KY 9	KY 709	TOTAL PROJECT
00003	CRUSHED STONE BASE (1)	TON	626	520	1146
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00217	CL4 ASPH BASE 1.00D PG64-22 (5)	TON	204		204
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00356	ASPHALT MATERIAL FOR TACK (6)	TON	0.8		0.8
02071	JPC PAVEMENT-11 IN	SQYD		677	677
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- (1) ESTIMATED AT 115 LBS PER SQYD PER INCH OF DEPTH
- (2) SEE SPECIAL NOTE
- (3) ESTIMATED AT 20 LBS PER SQYD. TWO APPLICATIONS REQUIRED.
- (4) ESTIMATED AT 2.4 LBS PER SQYD. TWO APPLICATIONS REQUIRED.
- (5) ESTIMATED AT 110 LBS PER SQYD PER INCH OF DEPTH
- (6) ESTIMATED AT 0.84 LBS. PER SQYD

Client: Roads Designer 723.00.01.11  
File Name: C:\P\WORK\ELLEN\WESTERMEYER\RID245841\FINAL\_KY9\_CROSS\_SECTIONS.DGN  
User: ellengregory



**COMMONWEALTH OF KENTUCKY**  
DEPARTMENT OF HIGHWAYS

**TEAM KENTUCKY**  
CONSTRUCTION

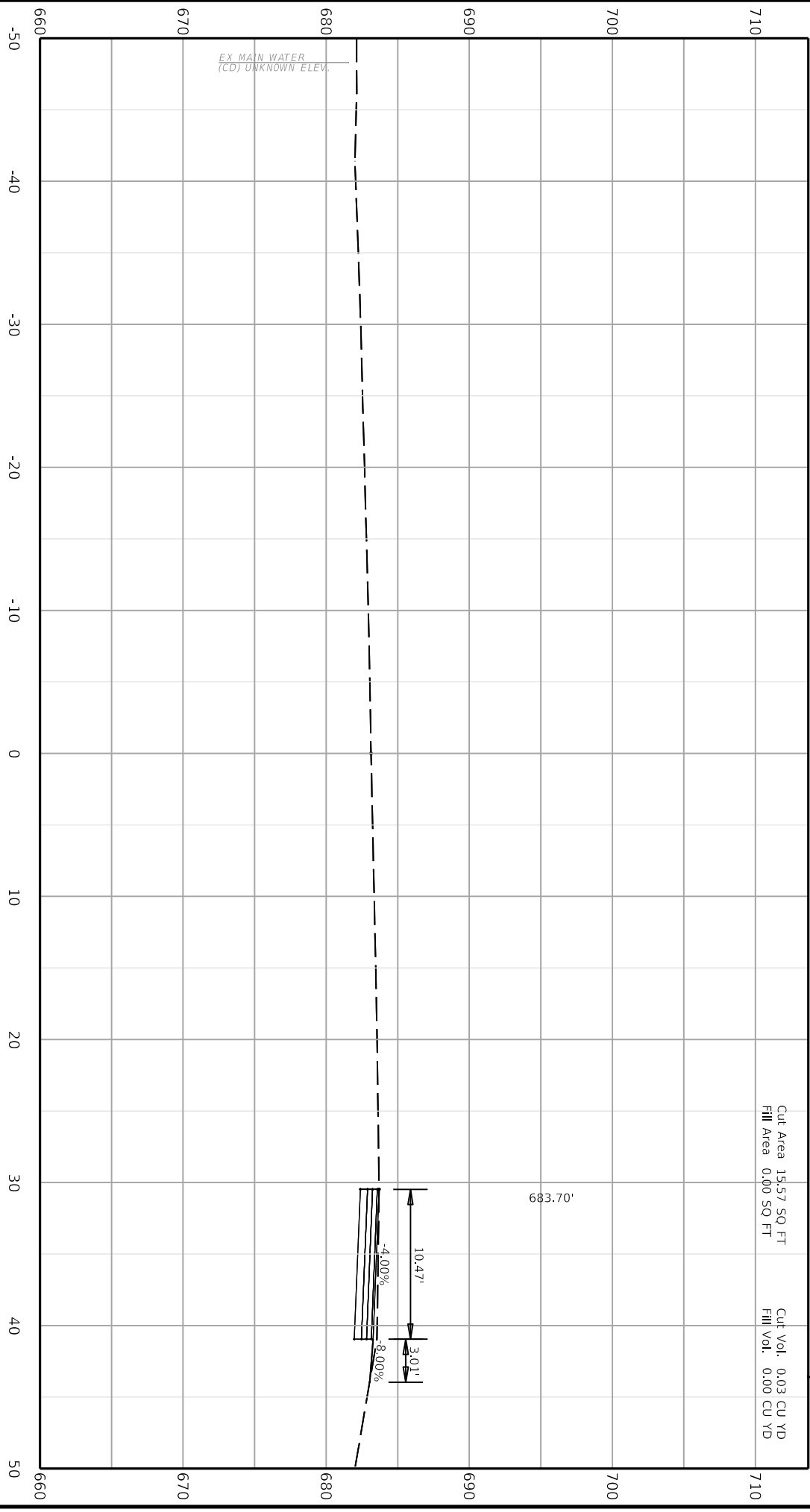
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HORIZONTAL SCALE: 1"=10'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X001	

125+46.26



Client: Roads Designer 723.00.01.11  
File Name: C:\P\WORK\ELLEN\WESTERMEYER\RID245841\FINAL\_KY9\_CROSS\_SECTIONS.DGN  
User: ellan.gregory



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



TEAM  
KENTUCKY

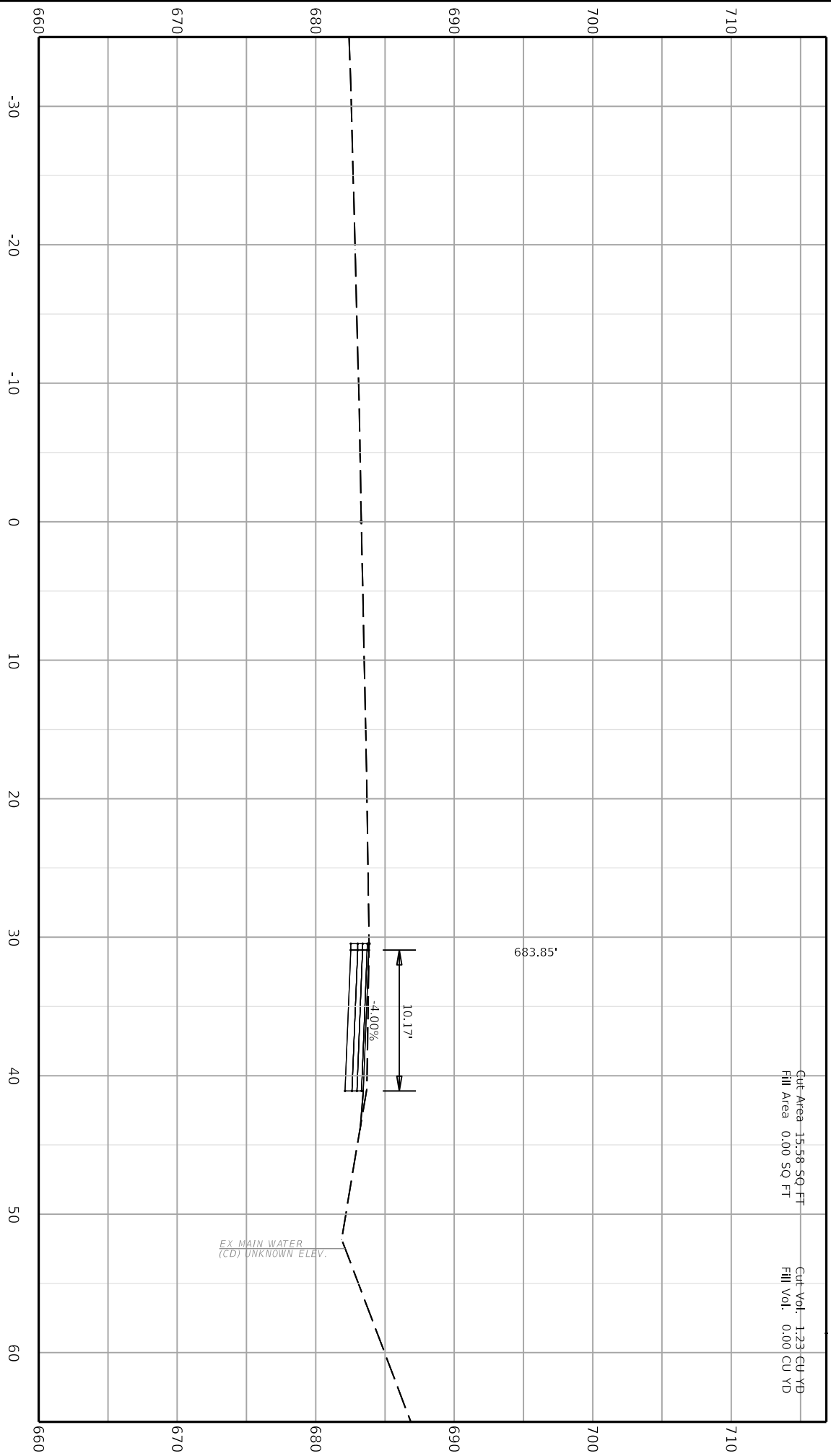
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HORIZONTAL SCALE: 1"=10'

ITEM NO. 06-80220.00	COUNTY OF CAMPBELL
SHEET NO. X002	

125+50.00



Cut Area 15.58 SQ FT  
Fill Area 0.00 SQ FT  
Cut Vol. 1.23 CU YD  
Fill Vol. 0.00 CU YD

CAMPBELL COUNTY  
4 019 0709 000-001



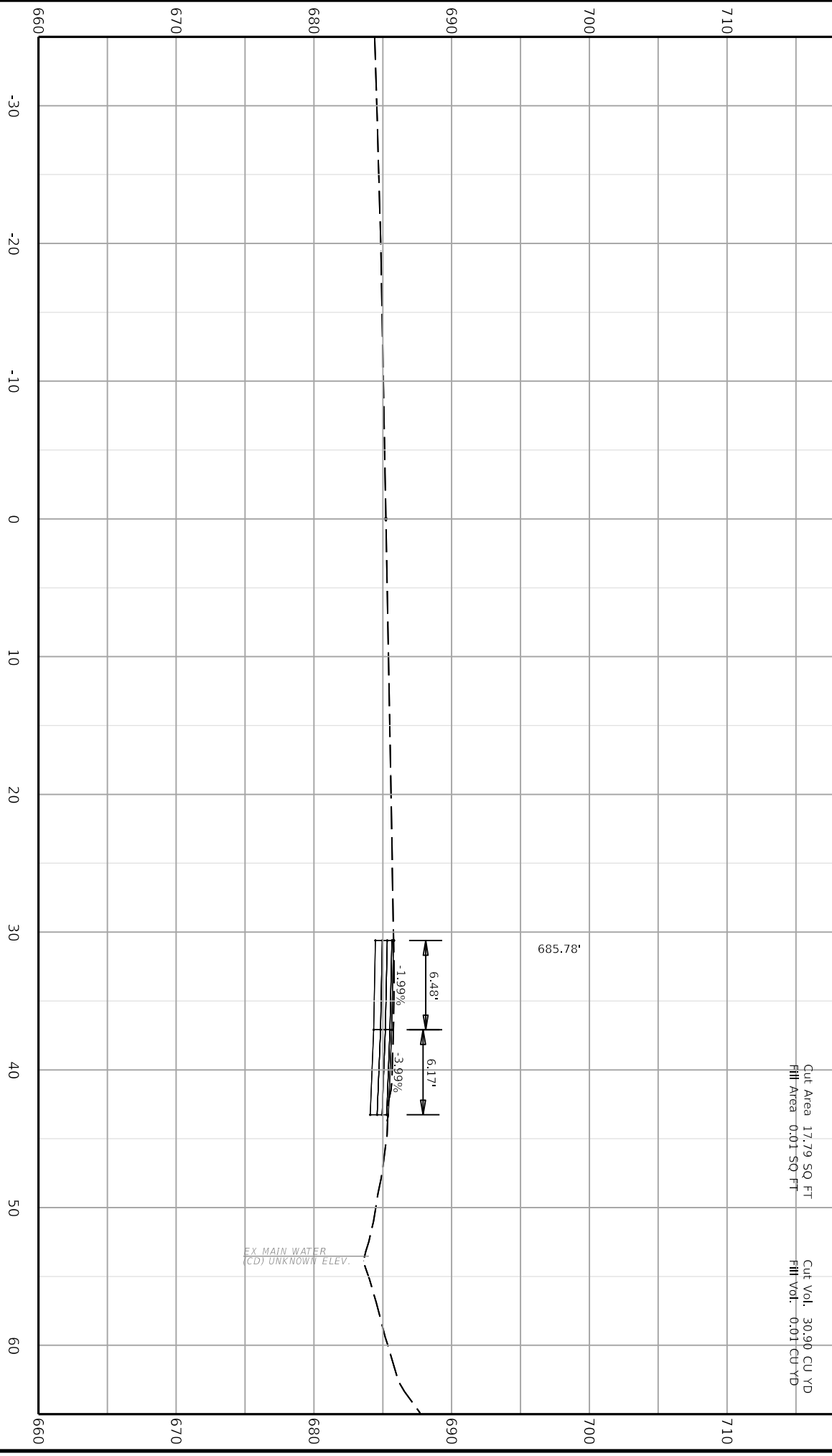
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DEPARTMENT OF HIGHWAYS  
TEAM KENTUCKY  
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USER: ellen.gregory

DRAWING TITLE:  
STA. 126+00.00 TO STA. 126+00.00



ITEM NO. 06-80220.00	COUNTY OF CAMPBELL
SHEET NO. X003	

126+00.00





COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS  
TEAM KENTUCKY  
TRANSPORTATION  
CABINET

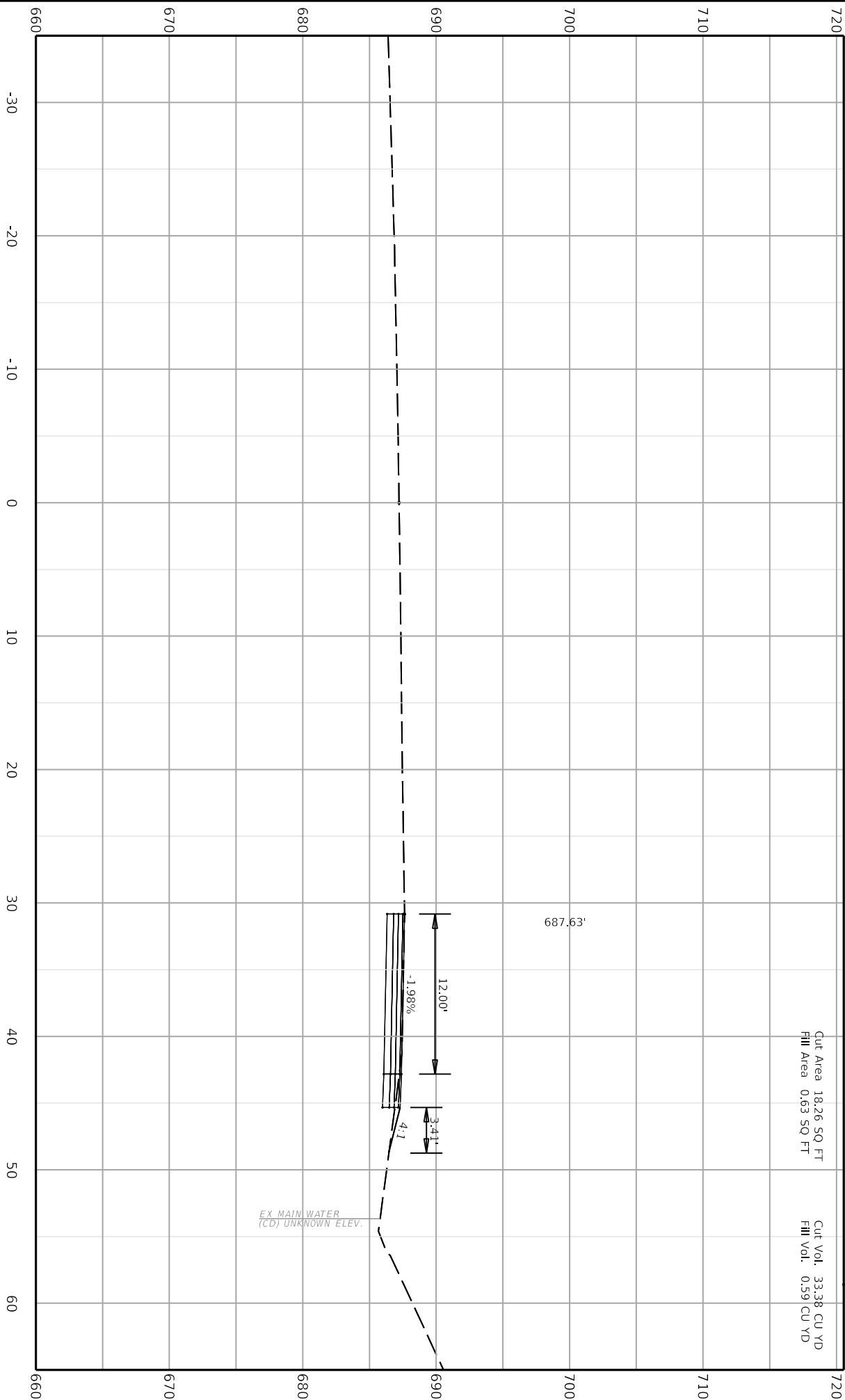
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STA. 126+50.00 TO STA. 126+50.00



HORIZONTAL SCALE: 1"=10'

ITEM NO.  
06-80220.00  
SHEET NO.  
X004

COUNTY OF  
CAMPBELL



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

TEAM  
KENTUCKY  
TRANSPORTATION  
COUNCIL

**TEAM**  
**KENTUCKY**

DRAWING TITLE:

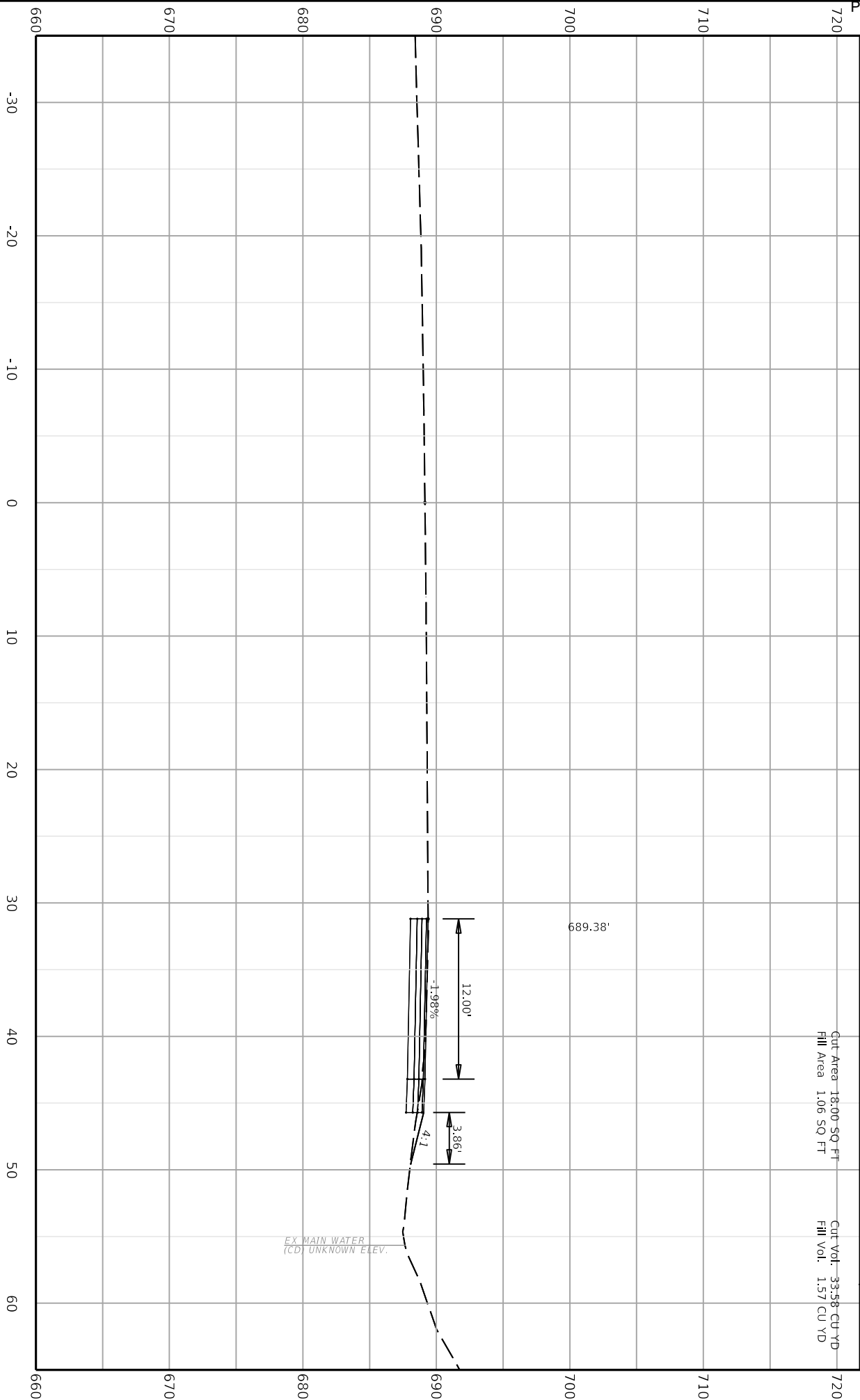
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HORIZONTAL SCALE: 1"=10'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X005	

COUNTY OF  
CAMPBELL



Client: Roads Designer 723.00.01.11  
File Name: C:\P\WORK\ELLEN\WESTERMEYER\RID245841\FINAL\_KY9\_CROSS\_SECTIONS.DGN  
User: R. Waller-Johnson



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



TEAM KENTUCKY  
Engineering & Construction

DRAWING TITLE:  
STA. 127+50.00 TO STA. 127+50.00



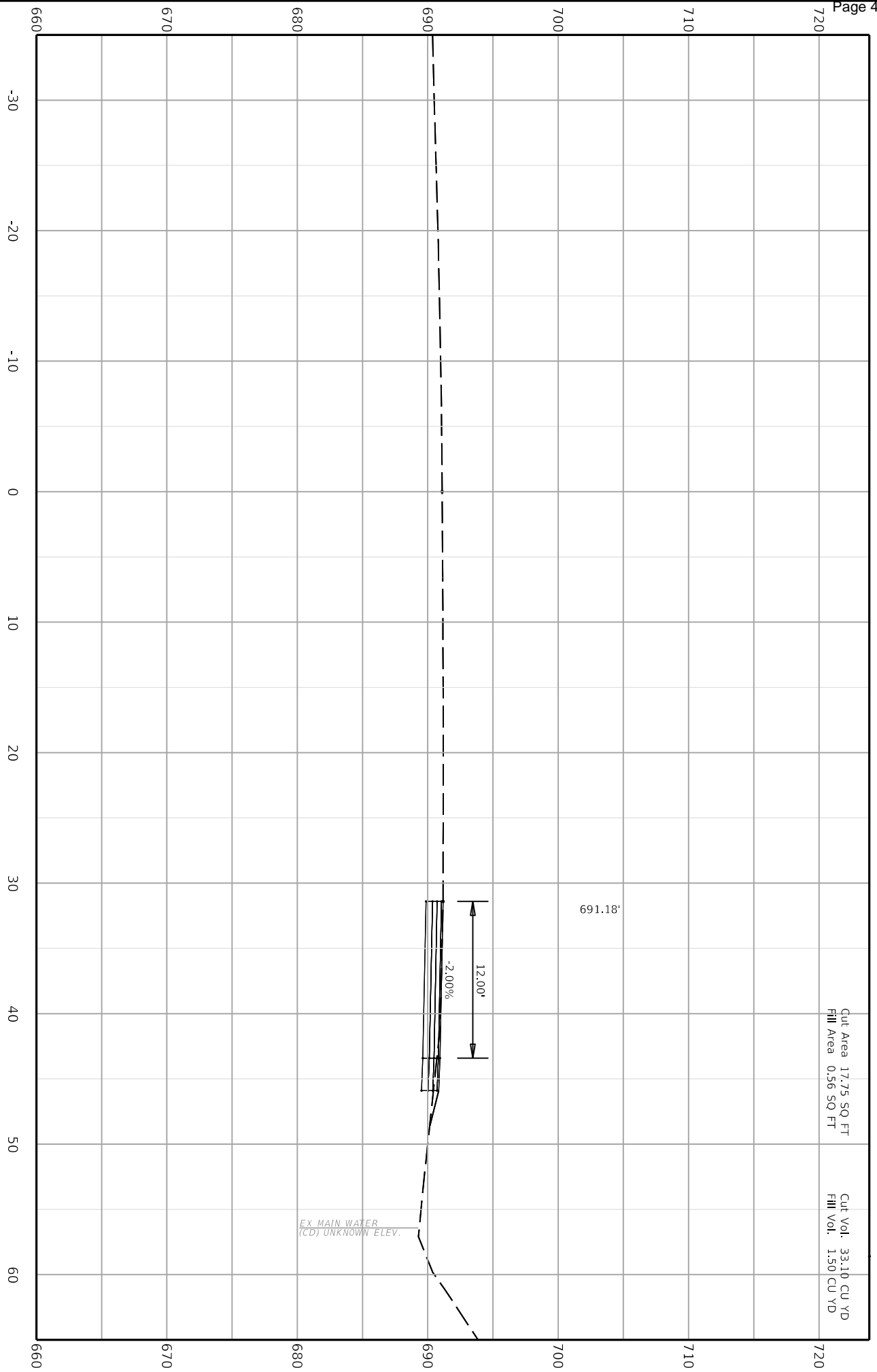
HORIZONTAL SCALE: 1"=10'

ITEM NO.  
06-80220.00

COUNTY OF  
CAMPBELL

SHEET NO.  
X006

127+50.00



Cut Area 17.75 SQ FT  
Fill Area 0.56 SQ FT  
Cut Vol. 33.10 CU YD  
Fill Vol. 1.50 CU YD



Client: Roads Designer 723.00.01.11  
File Name: C:\P\WORK\ELLEN\WESTERMEYER\RID245841\FINAL\_KY9\_CROSS\_SECTIONS.DGN  
User: ellan.gregory



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



TEAM KENTUCKY  
Engineering & Construction

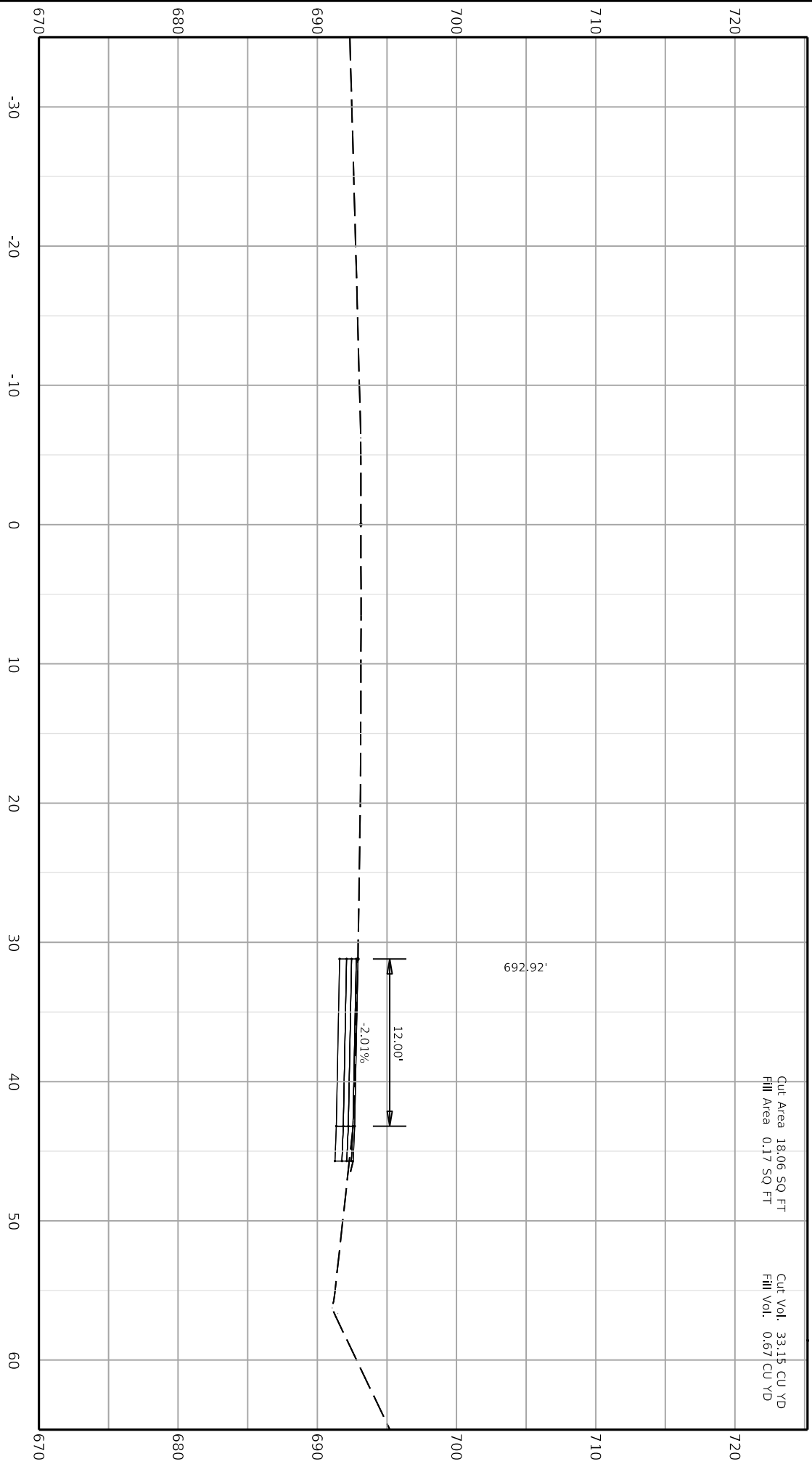
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HORIZONTAL SCALE: 1"=10'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X007	

128+00.00



Cut Area 18.06 SQ FT  
Fill Area 0.17 SQ FT

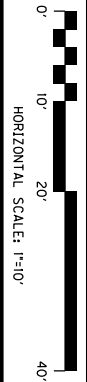
Cut Vol. 33.15 CU YD  
Fill Vol. 0.67 CU YD



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

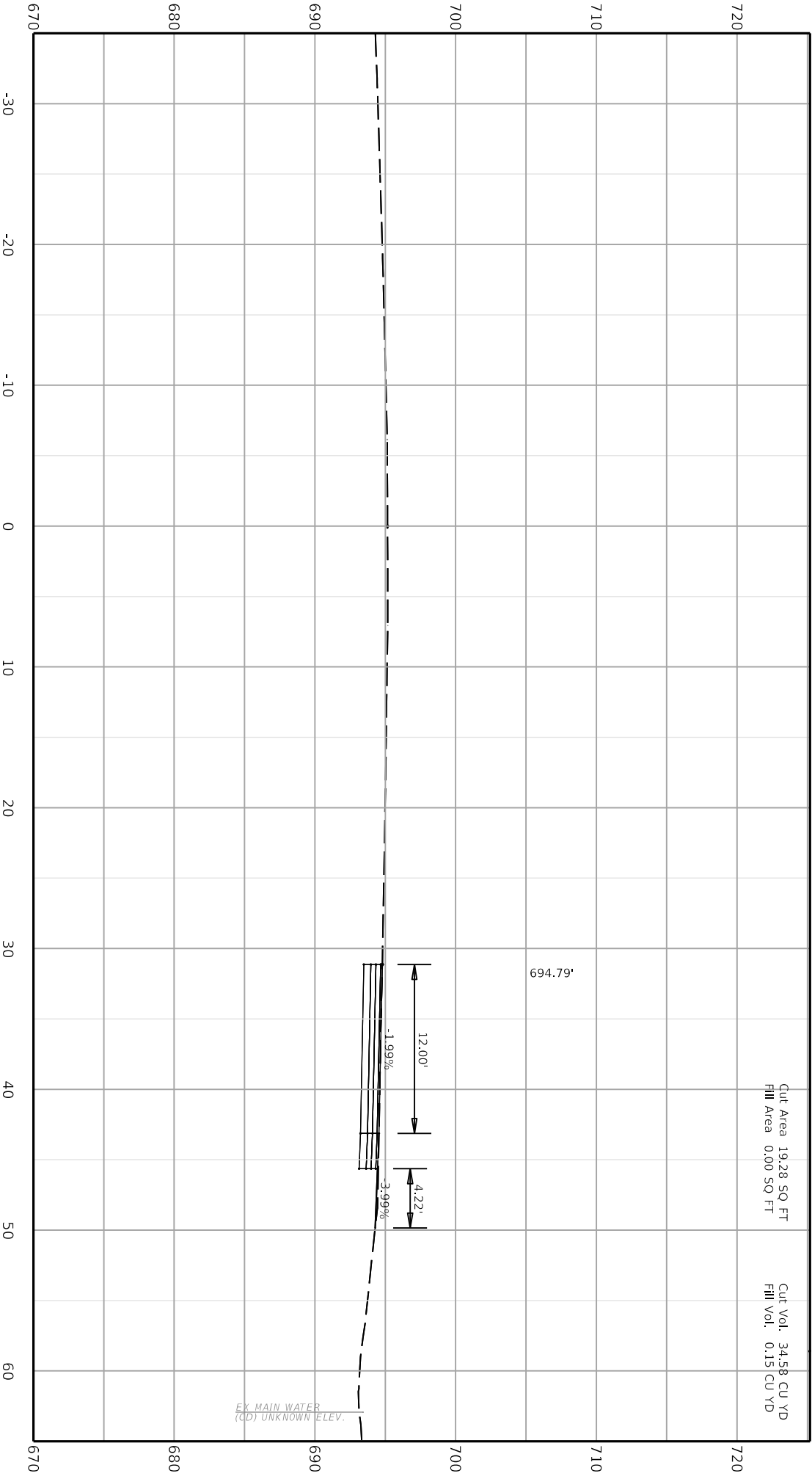


DRAWING TITLE:  
STA. 128+50.00 TO STA. 128+50.00



ITEM NO. 06-80220.00	COUNTY OF CAMPBELL
SHEET NO. X008	

128+50.00



Cut Area 19.28 SQ FT  
Fill Area 0.00 SQ FT

Cut Vol. 34.58 CU YD  
Fill Vol. 0.15 CU YD

694.79'


EX. MAIN WATER  
(CD) UNKNOWN ELEV.



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

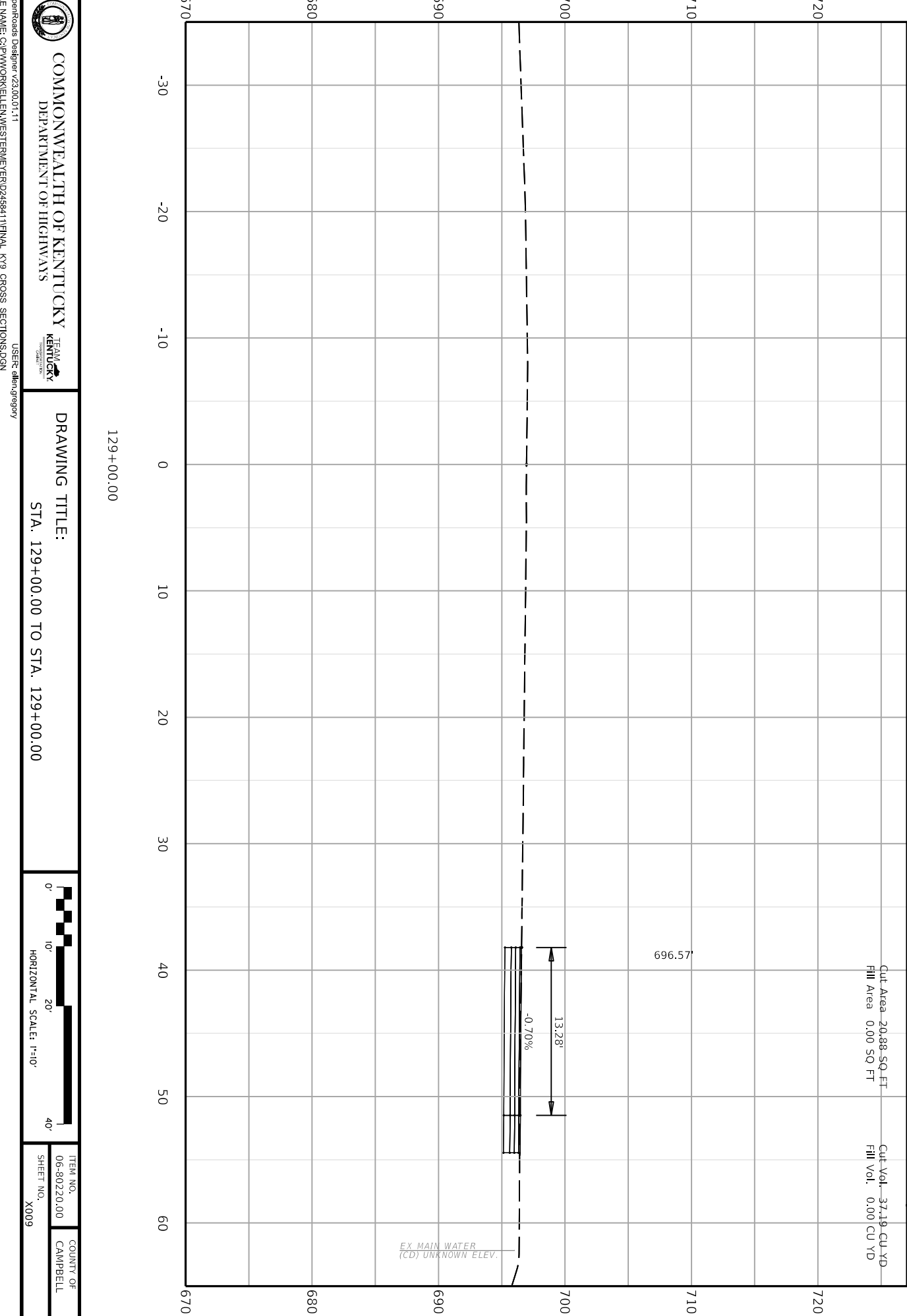
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User: R-allen.gregory

DRAWING TITLE:  
STA. 129+00.00 TO STA. 129+00.00



HORIZONTAL SCALE: 1"=10'

ITEM NO. 06-80220.00	COUNTY OF CAMPBELL
SHEET NO. X009	

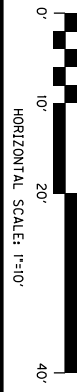




COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

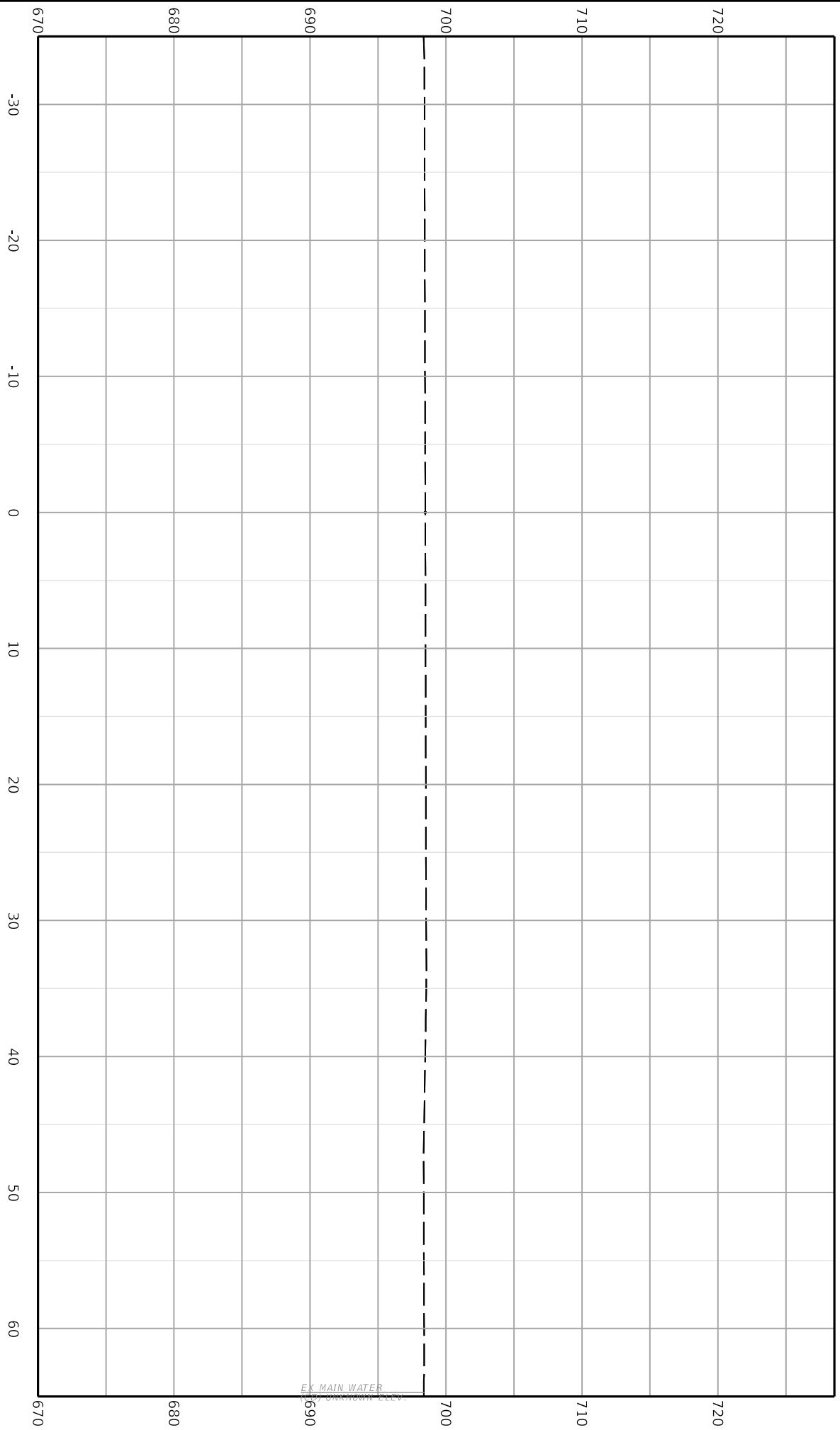


DRAWING TITLE:  
STA. 129+50.00 TO STA. 129+50.00



ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X010	

129+50.00



Client: Roads Designer 723.00.01.11  
File Name: C:\P\WORK\ELLEN\WESTERMEYER\ID245841\FINAL\_KY9\_CROSS\_SECTIONS.DGN  
User: ellengregory




**COMMONWEALTH OF KENTUCKY**  
DEPARTMENT OF HIGHWAYS



**TEAM KENTUCKY**  
CONSTRUCTION

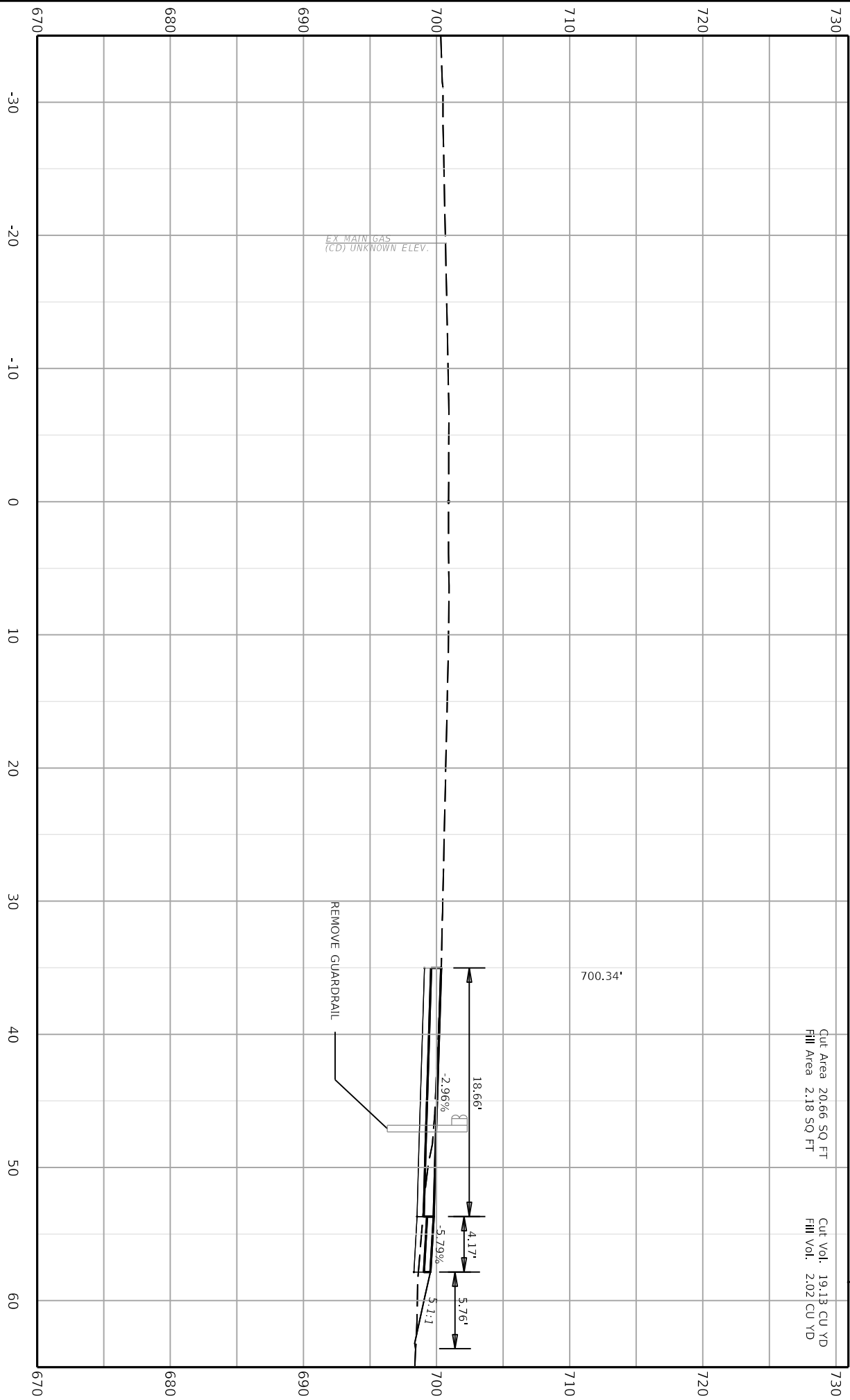
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STA. 130+00.00 TO STA. 130+00.00



HORIZONTAL SCALE: 1"=10'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X011	

130+00.00





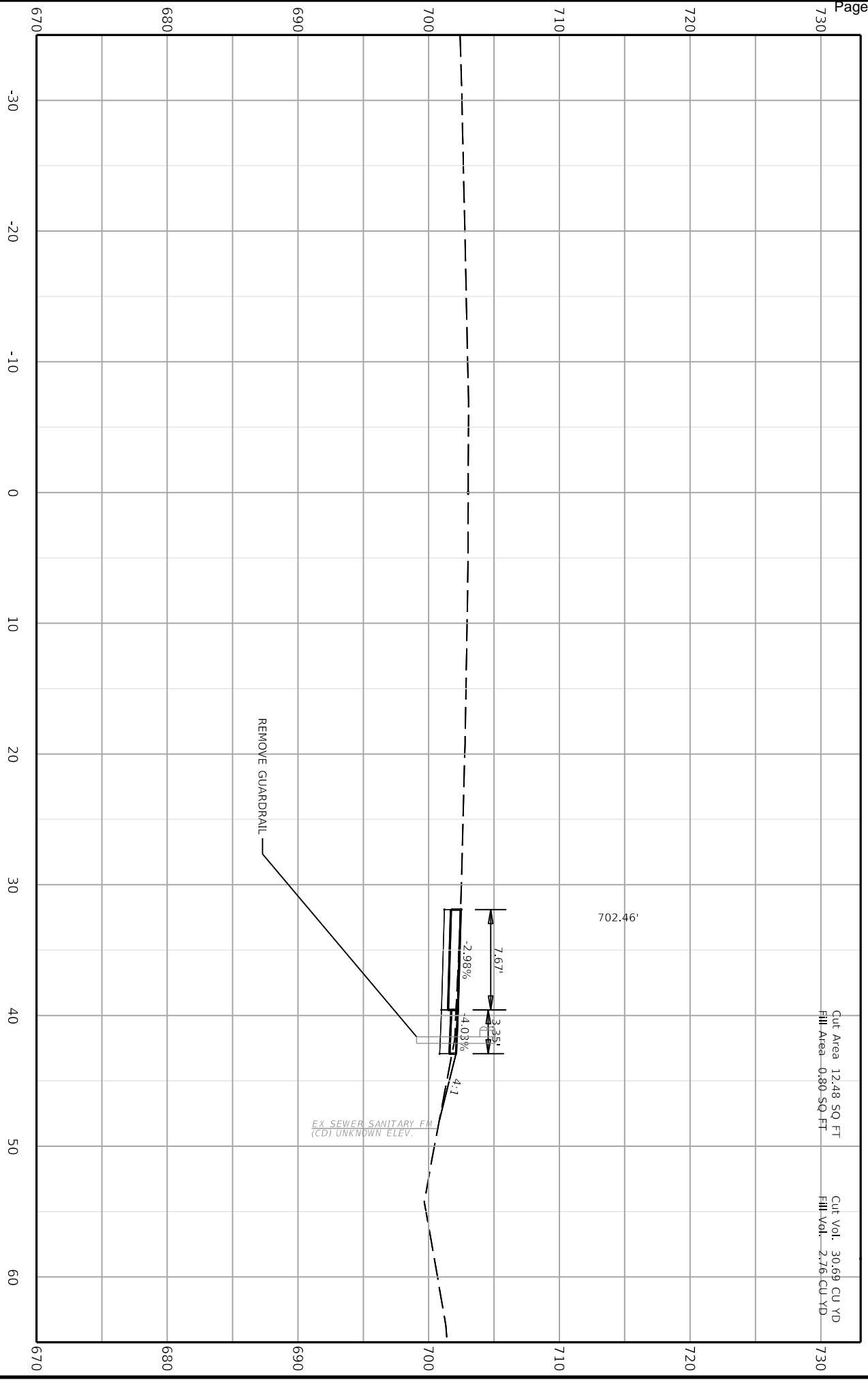
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS  
TEAM KENTUCKY  
DESIGNED BY: C:\P\WORK\ELLEN\WESTERMEYER\ID245841\FINAL\_KY9\_CROSS\_SECTIONS.DGN  
USER: ellen.gregory

DRAWING TITLE:  
STA. 130+50.00 TO STA. 130+50.00



ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X012	

130+50.00



Cut Area 12.48 SQ FT  
Fill Area 0.80 SQ FT  
Cut Vol. 30.88 CU YD  
Fill Vol. 2.76 CU YD



COMMONWEALTH OF KENTUCKY

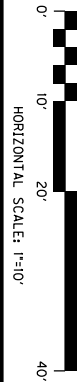
DEPARTMENT OF HIGHWAYS



TEAM KENTUCKY

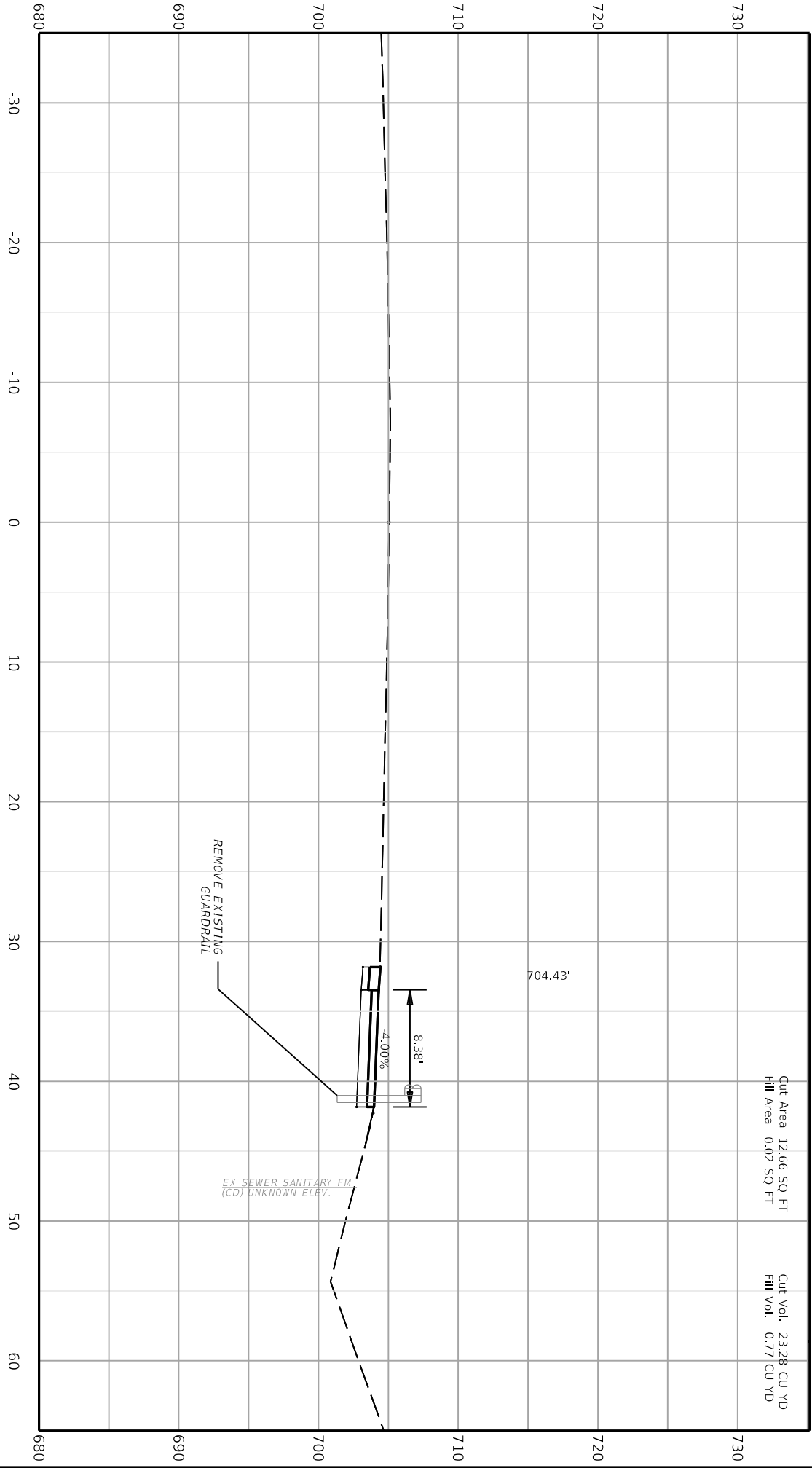
Client: Roads Designer 723.00.01.11  
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User: R-allen.gregory

DRAWING TITLE:  
STA. 131+00.00 TO STA. 131+00.00



ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X013	

131+00.00



Client: Roads Designer 723.00.01.11  
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USER: ellen.gregory




COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



TEAM KENTUCKY

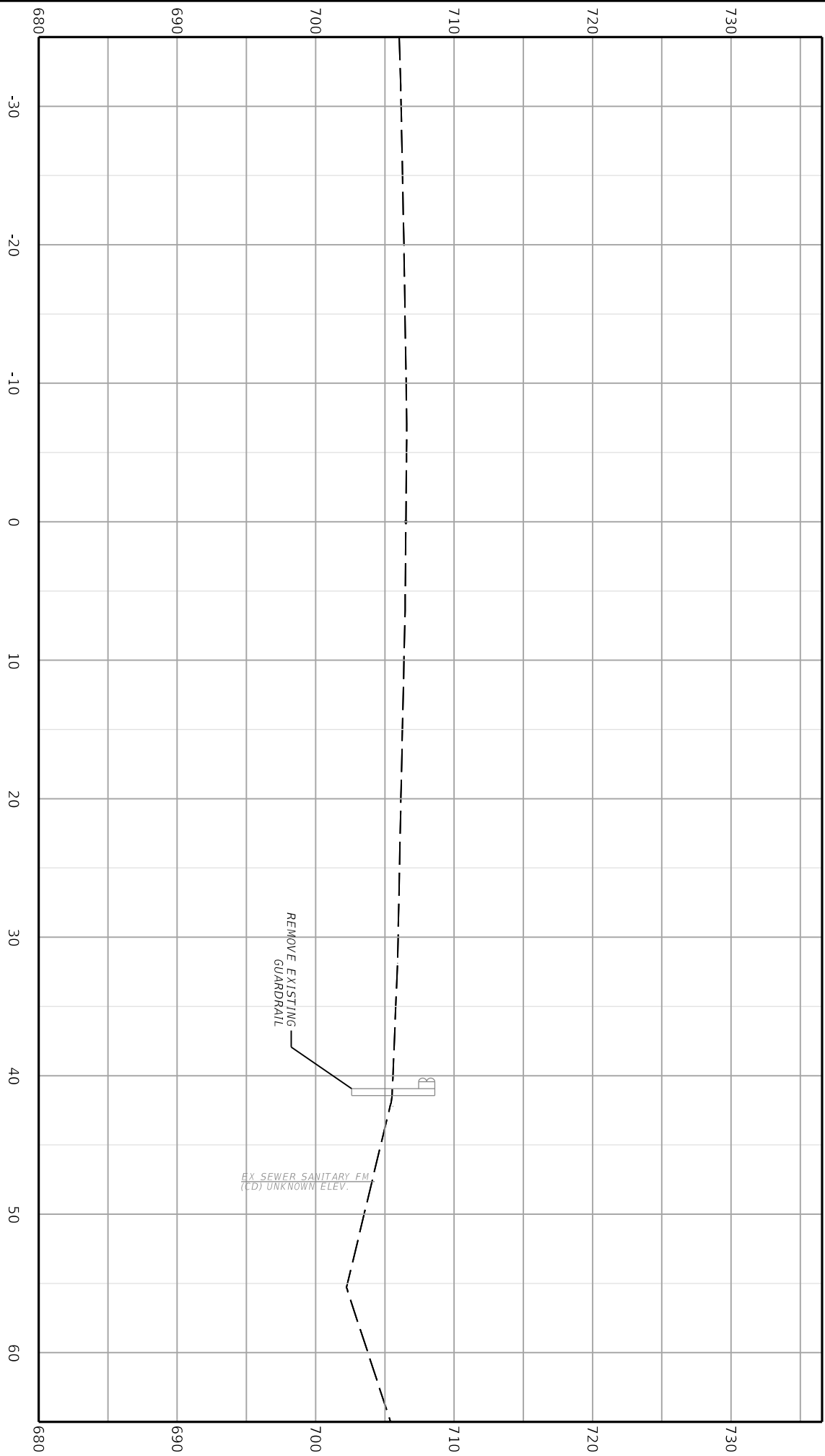
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STA. 131+37.65 TO STA. 131+37.65



HORIZONTAL SCALE: 1"=10'

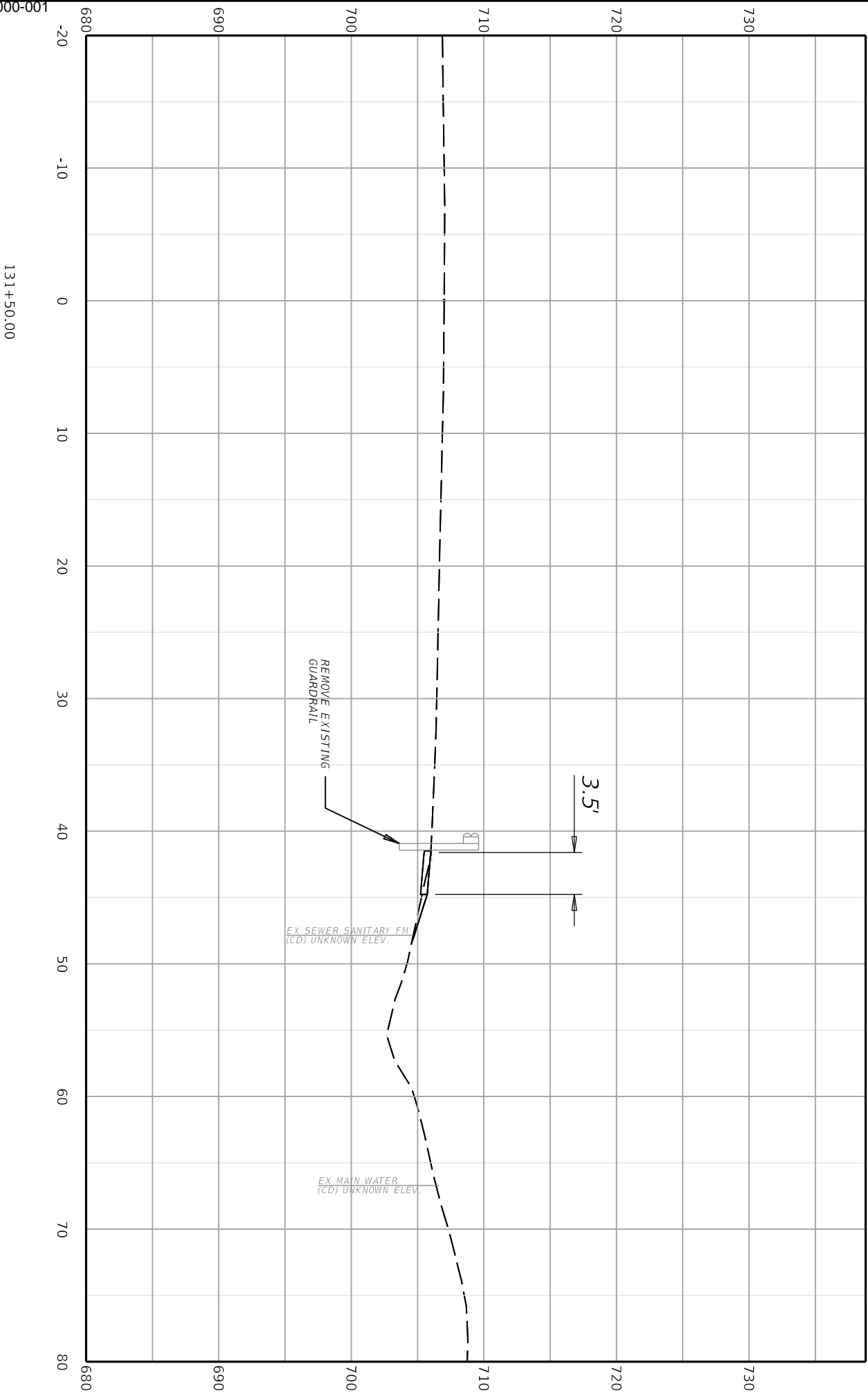
ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X014	

131+37.65





Cut Area 0.00 SQ FT  
Fill Area 0.64 SQ FT  
Cut Volume 0.00 CU YD  
Fill Volume 0.24 CU YD



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



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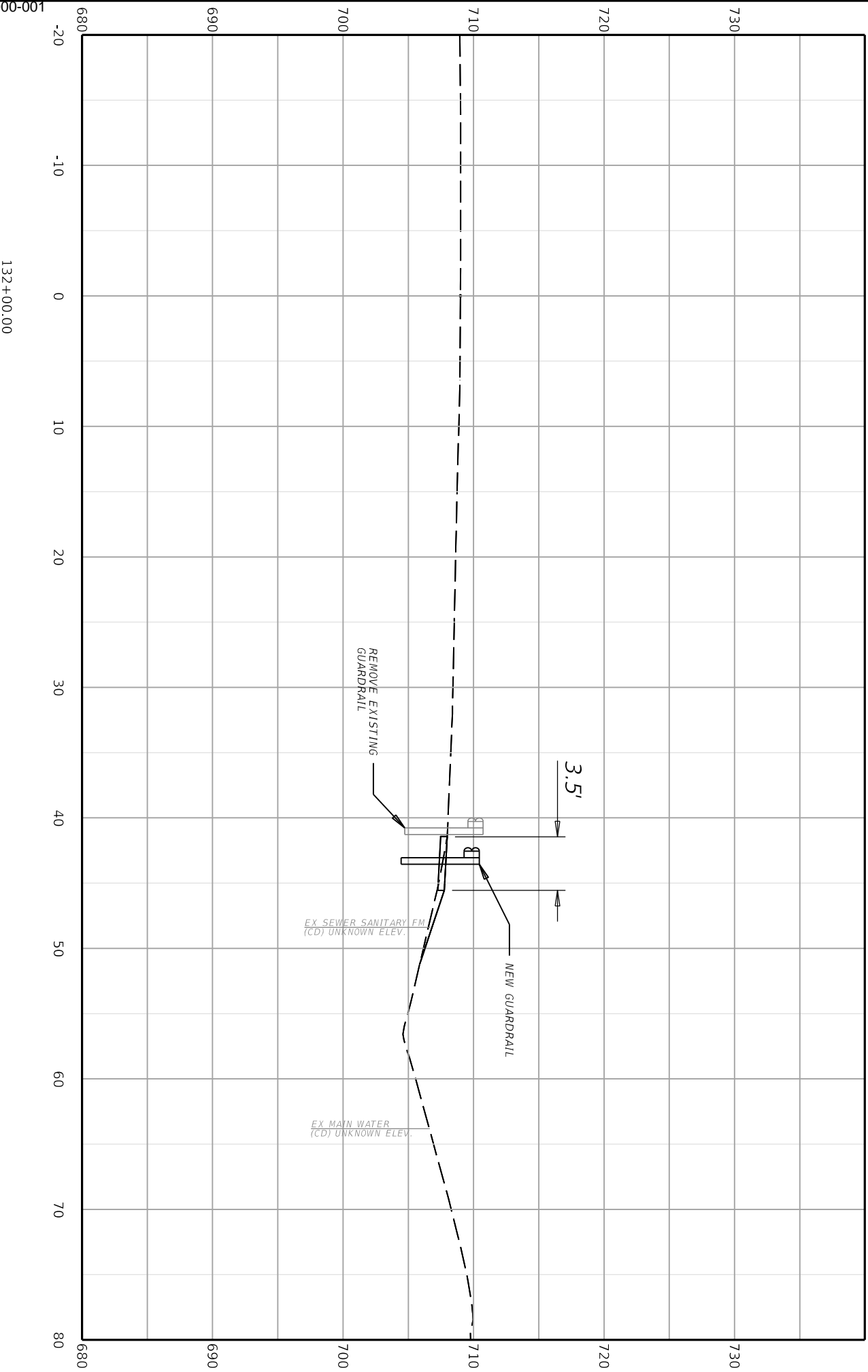
STA. 131+50.00 TO STA. 131+50.00



ITEM NO.  
06-80220.00  
SHEET NO.  
X015

COUNTY OF  
CAMPBELL

Cut Area 0.00 SQ FT  
Fill Area 3.44 SQ FT  
Cut Volume 0.00 CU YD  
Fill Volume 5.79 CU YD



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



DRAWING TITLE:

STA. 132+00.00 TO STA. 132+00.00

0'

10'

20'

40'

HORIZONTAL SCALE: 1"=10'

ITEM NO.  
06-80220.00

COUNTY OF  
CAMPBELL

SHEET NO.  
X016

X016

CAMPBELL COUNTY

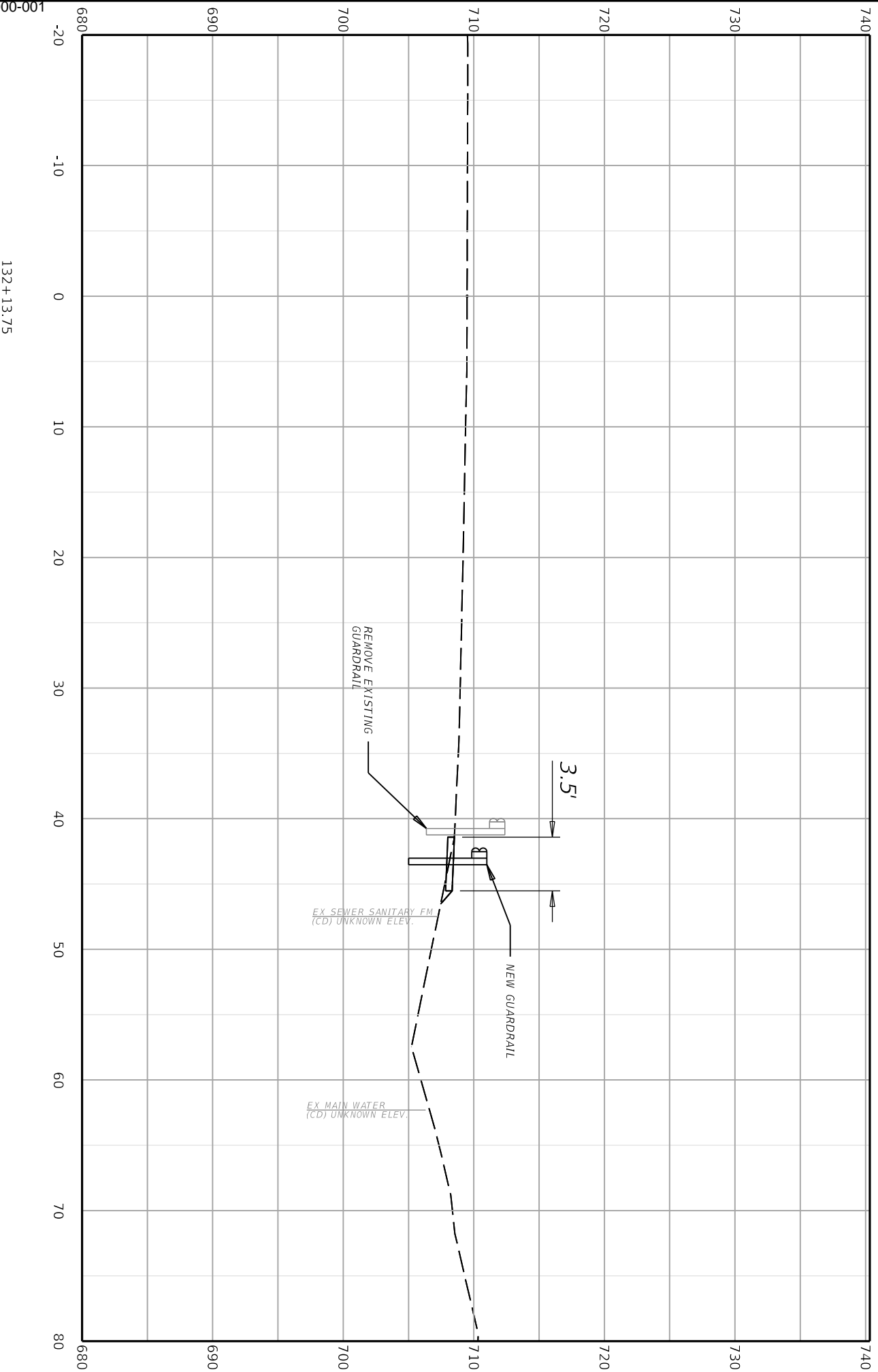
4 019 0709 000-001

Client: Roads Designer 723.00.01.11

File Name: C:\P\WORK\KELLEN\WESTERMEYER\2372421\BERM\_SHEETS.DGN

User: ellan.gregory

Cut Area 0.00 SQ FT  
Fill Area 1.77 SQ FT  
Cut Volume 0.00 CU YD  
Fill Volume 1.08 CU YD



ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X017	

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



DRAWING TITLE:  
STA. 132+14.00 TO STA. 132+14.00



4 019 0709 000-001

Client: Roads Designer 723.00.01.11

USER: allen.gregory

FILE NAME: C:\P\WORK\ELLEN\WESTERMEYER\2027421\BERM\_SHEETS.DGN



**COMMONWEALTH OF KENTUCKY**  
DEPARTMENT OF HIGHWAYS

**TEAM KENTUCKY**  
TRANSPORTATION CABINET

DRAWING TITLE:

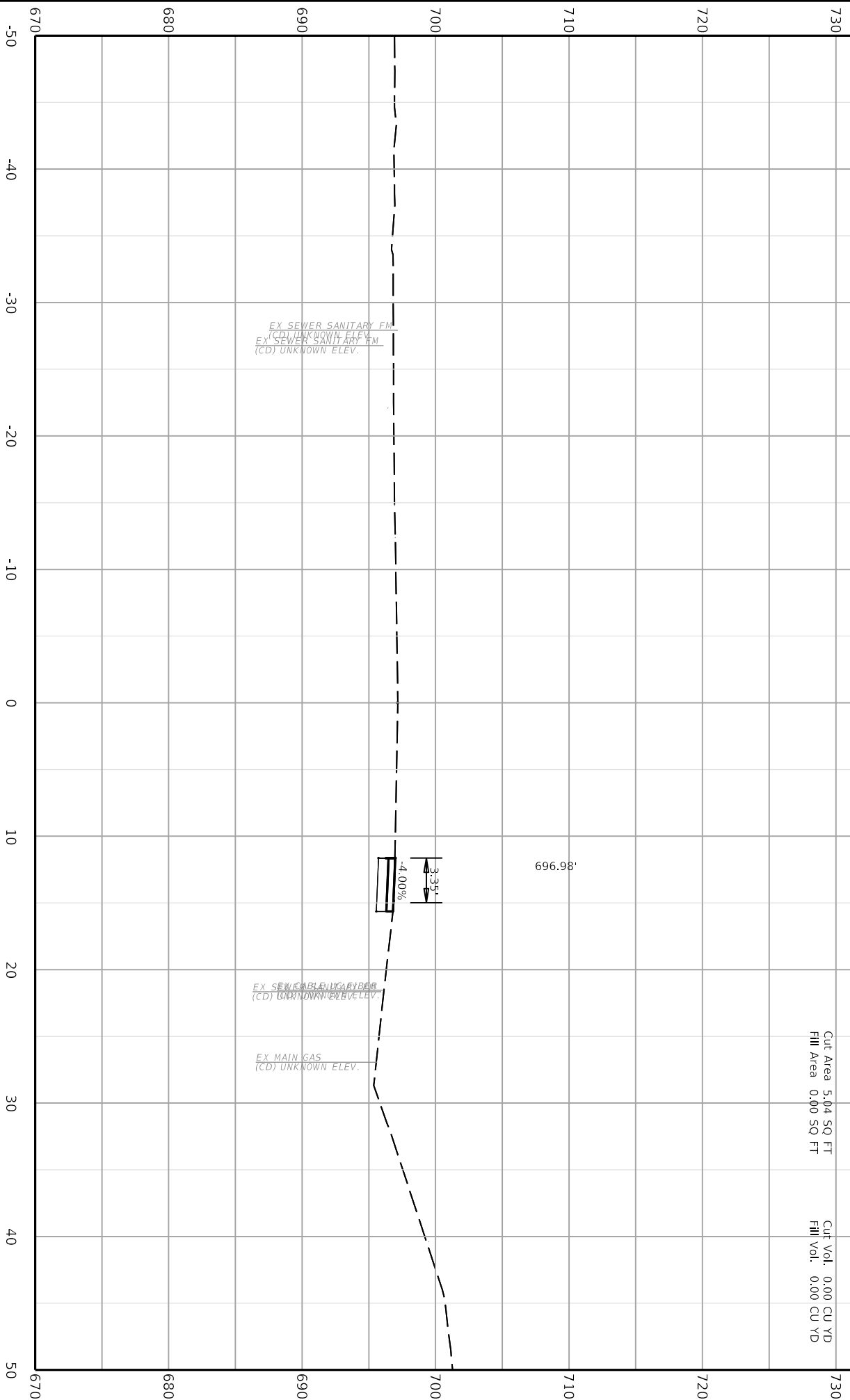
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HORIZONTAL SCALE: 1"=10'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X018	

CAMPBELL





COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



DRAWING TITLE:

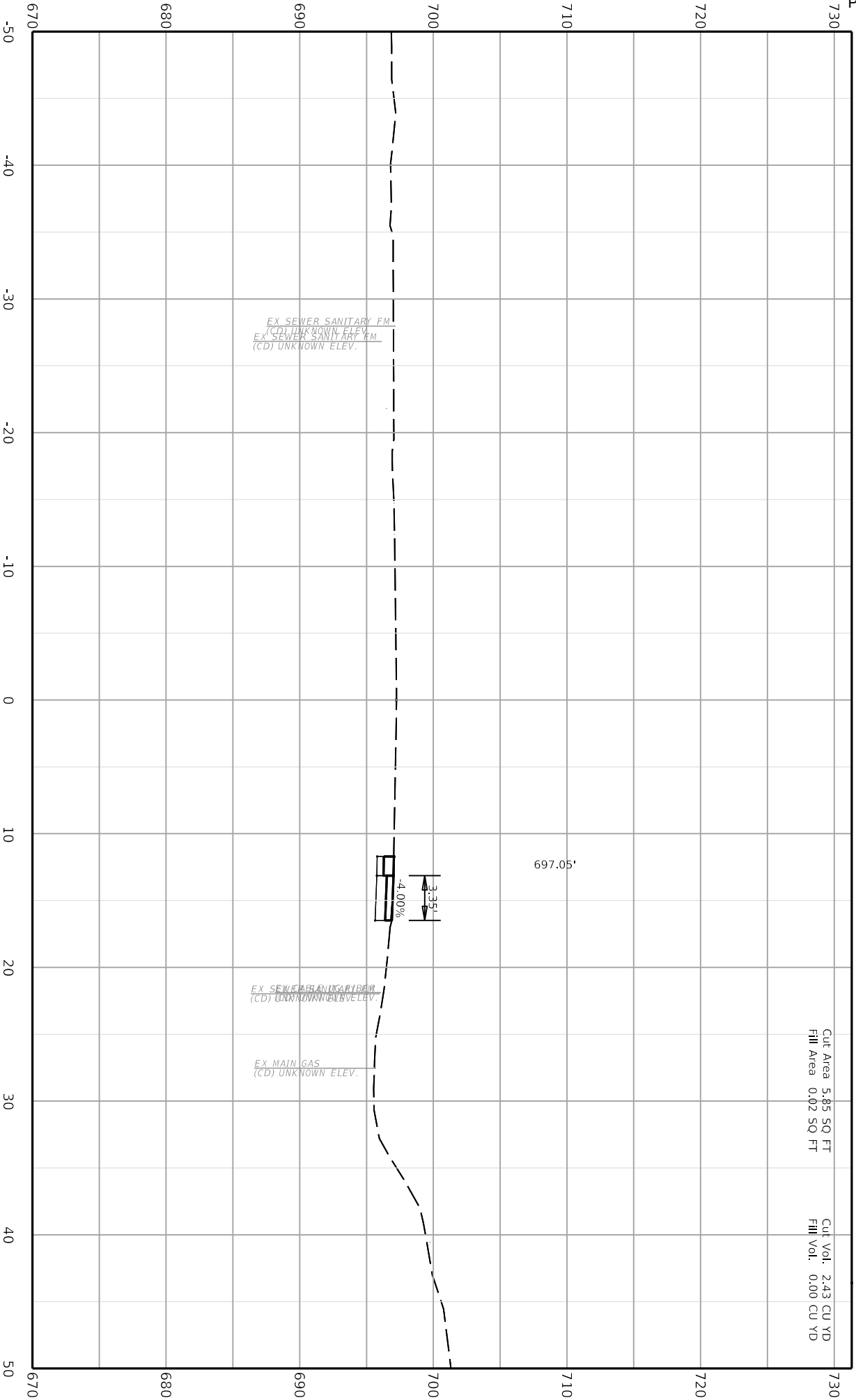
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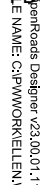
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User: ellengregory



ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X019	

307+00.00

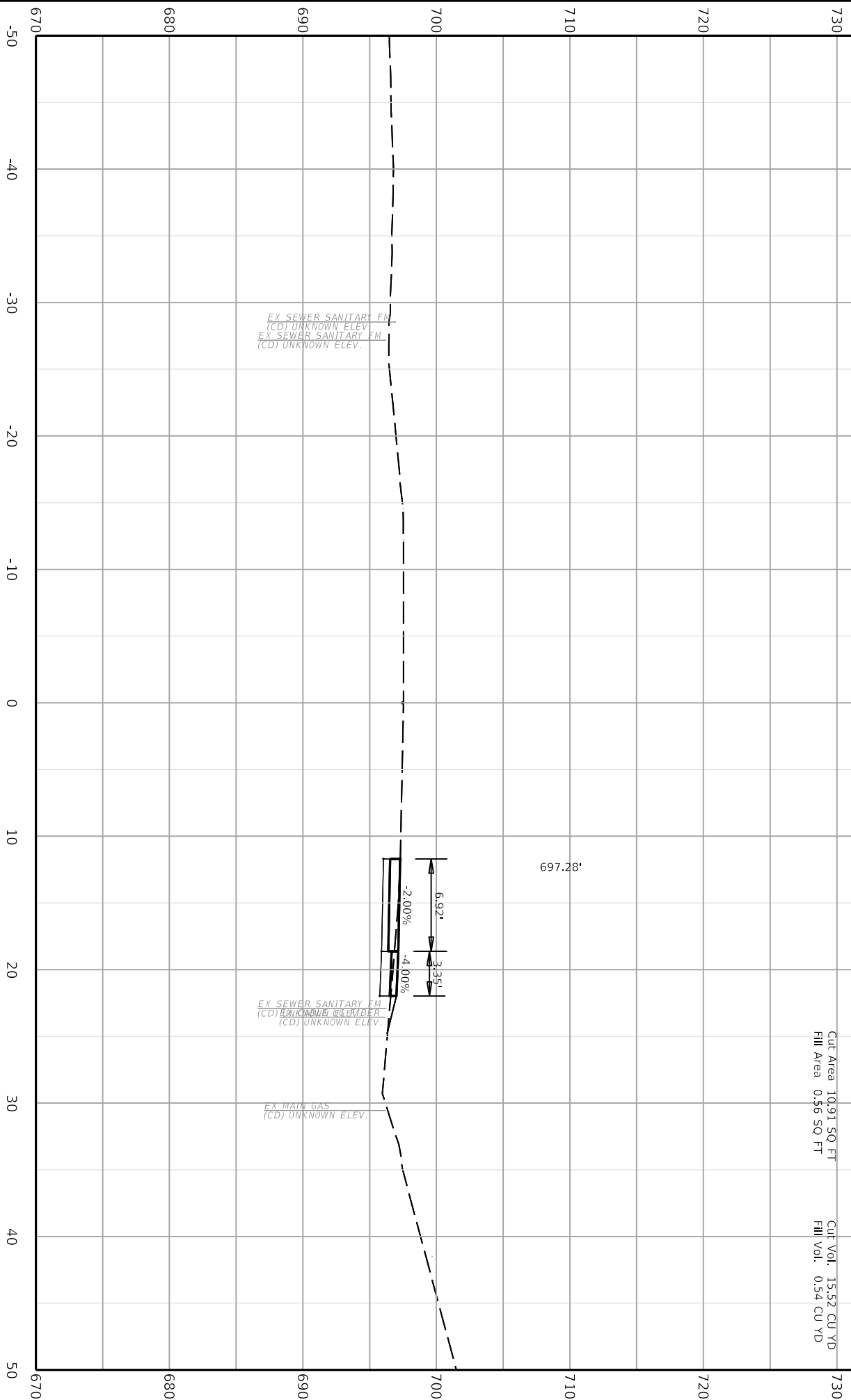
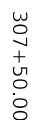




USER: ellen.gregory  
IONS.DGN

HORIZONTAL SCALE: 1"=10'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X020	






COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



TEAM KENTUCKY

DRAWING TITLE:

STA. 308+00.00 TO STA. 308+00.00

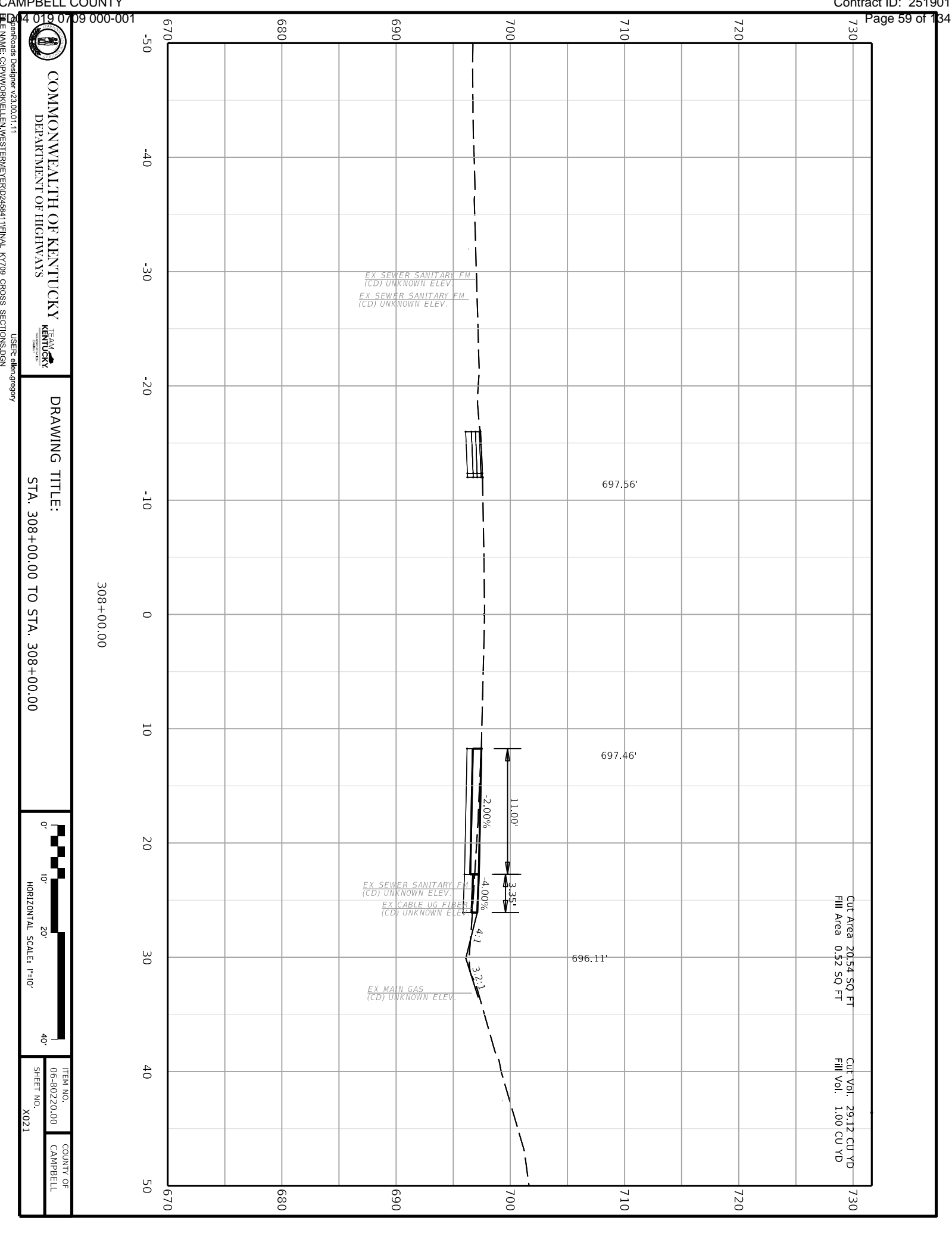


HORIZONTAL SCALE: 1"=10'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X021	

USER: allen.gregory

Client: Roads Designer 723.00.01.11  
File Name: C:\P\WORK\ELLEN\WESTERMEYER\RID245411\FINAL\_KY709\_CROSS\_SECTIONS.DGN



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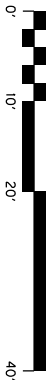


COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



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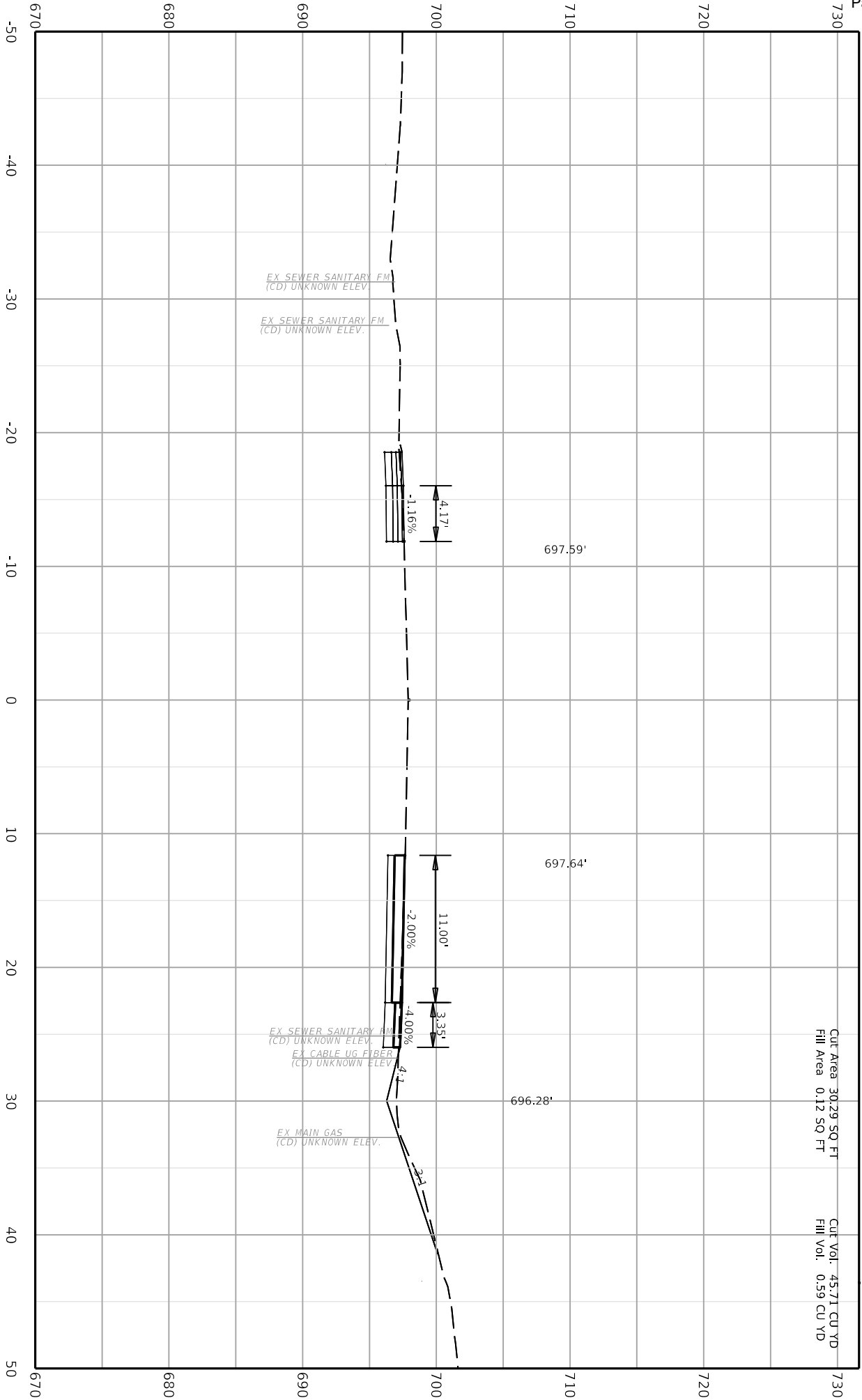
STA. 308+50.00 TO STA. 308+50.00



HORIZONTAL SCALE: 1"=10'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X022	

308+50.00



Cut Area 3029 SQ FT  
Fill Area 0.12 SQ FT

Cut Vol. 45.71 CU YD  
Fill Vol. 0.59 CU YD





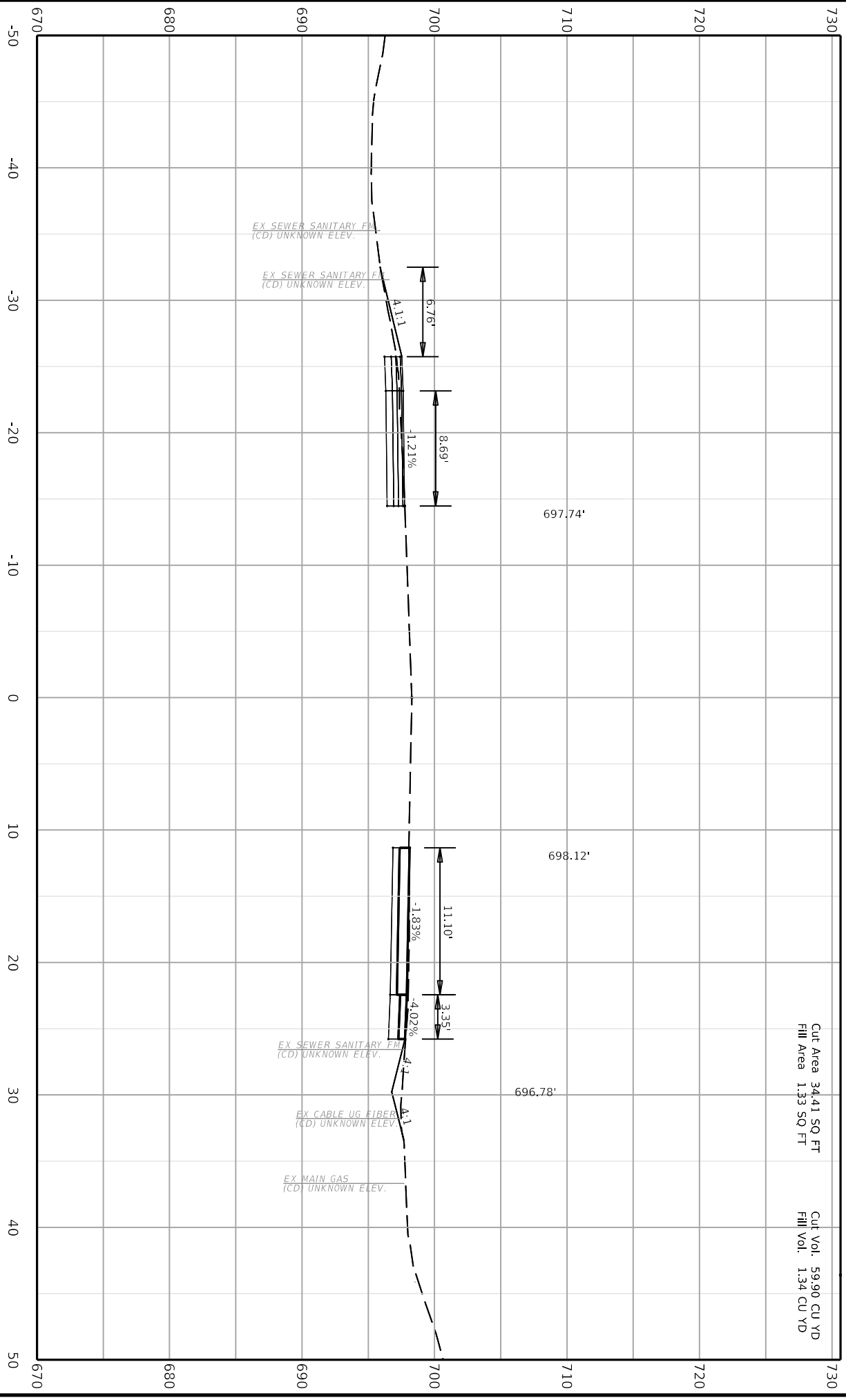
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS  
TEAM KENTUCKY  
TRANSPORTATION

DRAWING TITLE:  
STA. 309+00.00 TO STA. 309+00.00



ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X023	

309+00.00



Cut Area 34.41 SQ FT  
Fill Area 1.33 SQ FT  
Cut Vol. 59.90 CU YD  
Fill Vol. 1.34 CU YD

C:\Users\allen.gregory\OneDrive\Documents\Roads Designer\23.00\01.11

FILE NAME: C:\P\WORK\ELLEN\WESTERMEYER\ID245841\FINAL\_KY708\_CROSS\_SECTIONS.DGN

USER: allen.gregory



COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS



DRAWING TITLE:

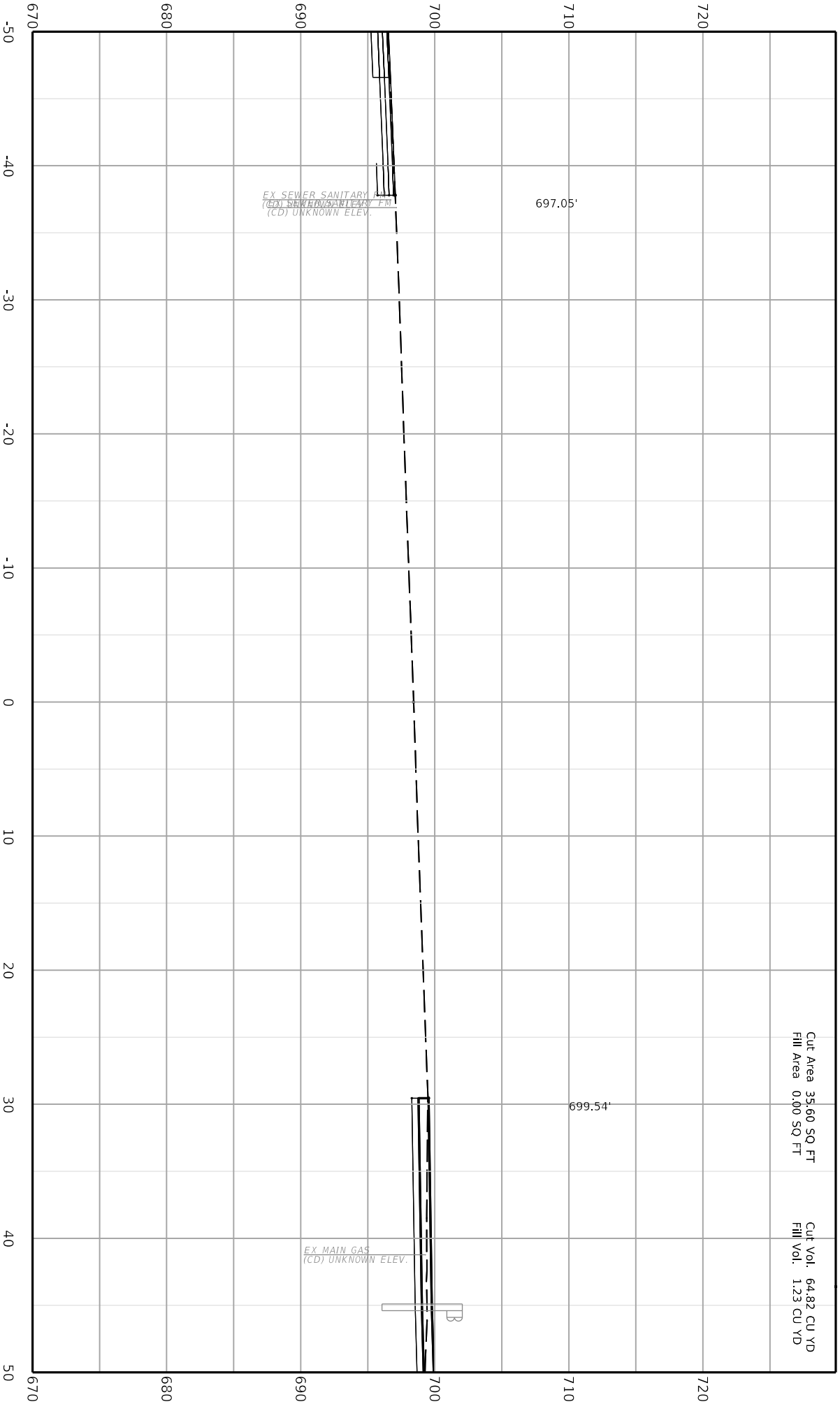
STA. 309+50.00 TO STA. 309+50.00



HORIZONTAL SCALE: 1"=10'

ITEM NO.	COUNTY OF
06-80220.00	CAMPBELL
SHEET NO.	
X024	

309+50.00



Cut Area 35.60 SQ FT  
Fill Area 0.00 SQ FT

Cut Vol. 64.83 CU YD  
Fill Vol. 1.23 CU YD

CAMPBELL COUNTY



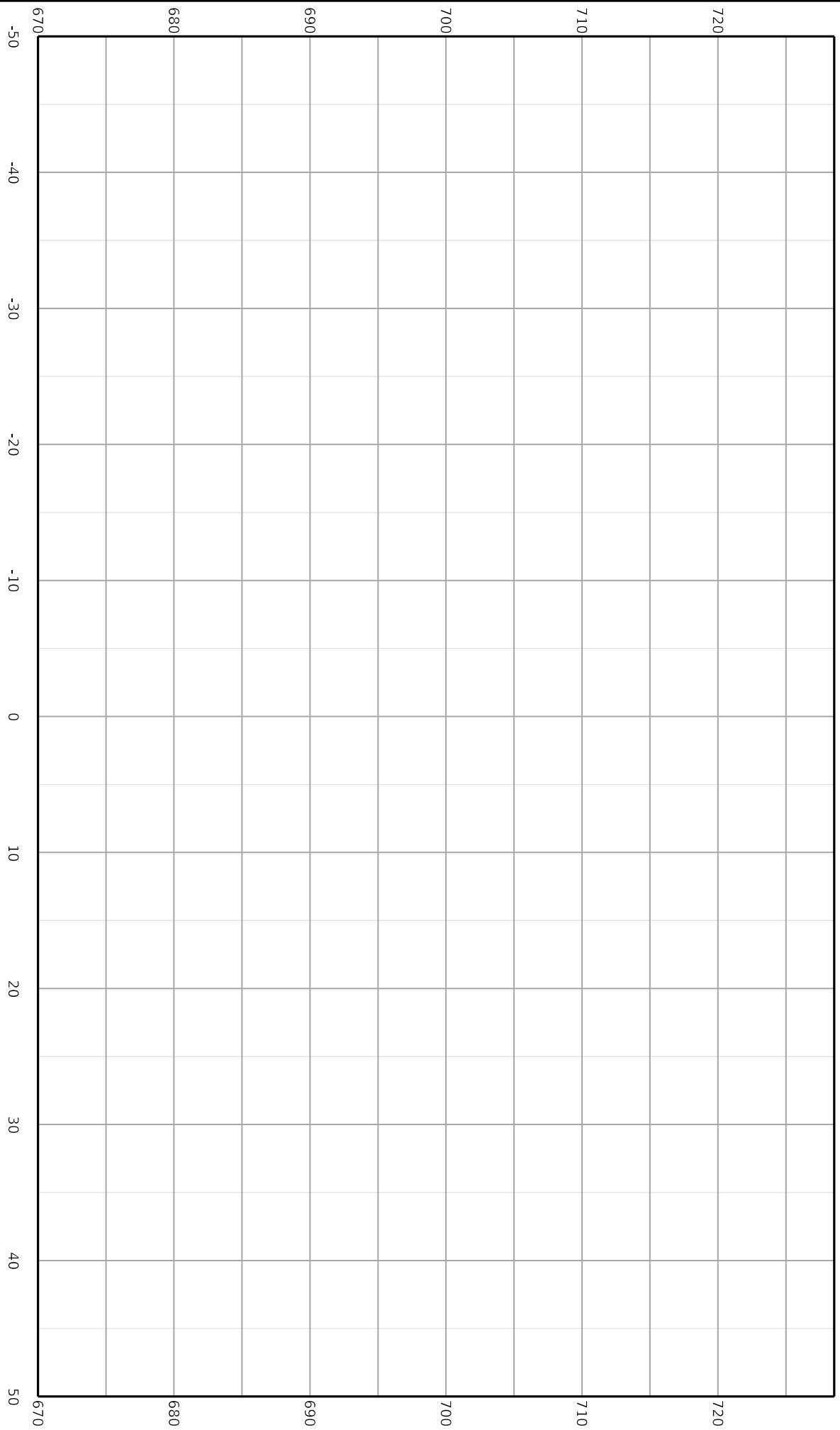
COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE:  
STA. 309+99.97 TO STA. 309+99.97



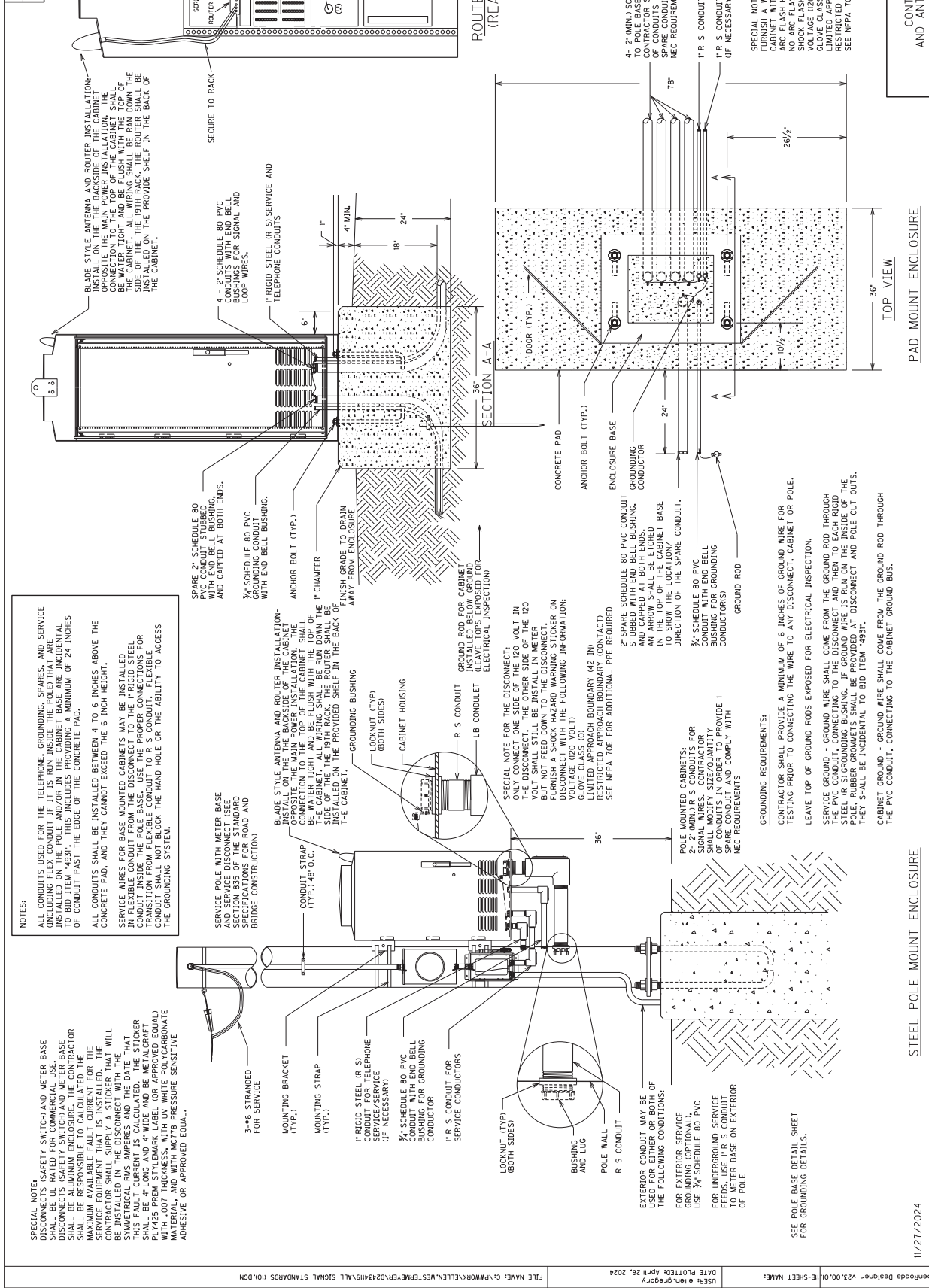
ITEM NO. 06-80220.00	COUNTY OF CAMPBELL
SHEET NO. X025	

309+99.97



DonRods Designer v23.00.01, SHEET NAME: USER: Grant.Derossett DATE PLOTTED: April 26, 2024  
FILE NAME: C:\PWORK\ELLEN.WESTERMEYER\02434119\ALL SIGNAL STANDARDS (10).DGN

<p><b>SPECIAL NOTE:</b></p> <p>ALL CONDITIONS USED FOR THE TELEPHONE, CORDING, SEABES, AND SERVICE</p>	<p><b>NOTES:</b></p>
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[illegible]






THE CONTRACTOR SHALL CONNECT THE CONNECTOR LABS

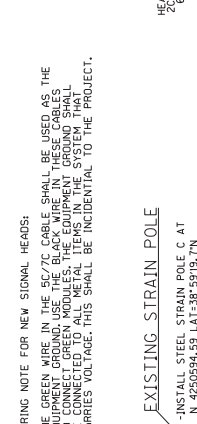
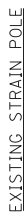
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C  
R  
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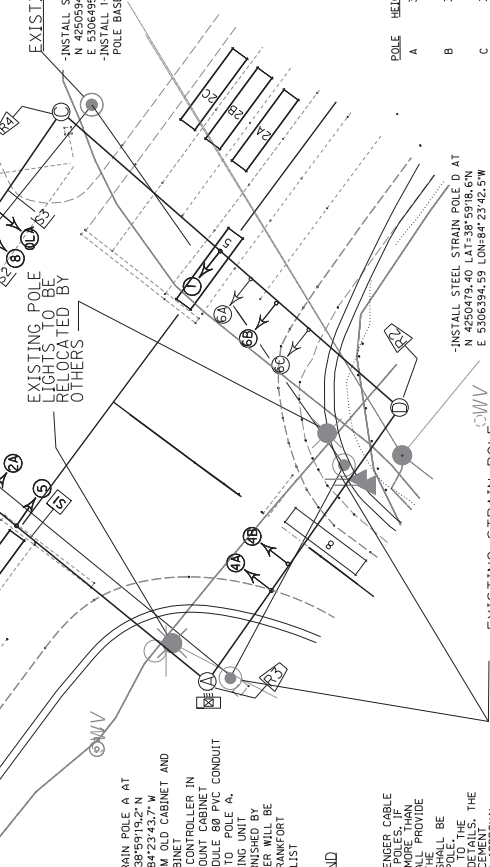
OUTPUT FILE CONNECTION  
FOR FYA ON PHASE I

PHASE 5 RED  
PHASE 5 YELLOW  
PHASE 5 GREEN  
RED YELLOW PHASE 6  
WHITE



WIRING NOTE FOR NEW SIGNAL HEADS:

K. GRANT, D. ROSETT, D. J.



INSTALL STEEL STRAIN POLE A AT  
4250645,14 LAT-38°59'19,2" N  
5306340,14 LONG-84°23'43,7" W  
REMOVE ROUTER FROM OLD CABINET AND  
INSTALL IN NEW CABINET  
MODEL 332 BASE MOUNT CABINET  
FROM CONTROLLER TO POLE A,  
INSTALL 4- 2" SCHEDULE 80 PVC CONDUIT  
INSTALL COORDINATING UNIT  
INSTALL SIGN FURNISHED BY  
DISTRICT, THE HANGER WILL BE  
INCLUDED ON THE FRANKFORT  
WAREHOUSE PICKUP LIST

February 8, 2011

THE CABINET SHALL SUPPLY CLAMP ASSEMBLIES FOR MESSENGER CABLE ATTACHMENTS BASED ON THE PRELIMINARY DESIGN OF THE POLES, IF THE ATTACHMENT LOCATIONS FOR CLAMP ASSEMBLIES ARE MORE THAN ONE FEET FROM THE TOP OF THE POLE. THE CONTRACTOR SHALL PROVIDE AN INSTANTANEOUS TENSILE STRENGTH OF 10,000 LBS. PER CLAMP ASSEMBLY. UPON INSTALLATION, CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL BE IDENTICAL TO THE INSTALLATION OF THE STEEL STRAIN POLE. CONTRACTOR SUPPLIED CLAMP ASSEMBLIES SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR TRAFFIC SIGNALS. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE CLAMP ASSEMBLIES TO THE CITY ENGINEER FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF THE CLAMP ASSEMBLIES TO THE CITY ENGINEER FOR REVIEW AND APPROVAL.

POLAR DETECTORS SHALL BE INSTALLED AS HIGH AS POSSIBLE BELOW THE POLE COLLAR AND GROUND ROD SHALL BE INSTALLED A MINIMUM OF 6 FT FROM THE SOURCE OF INTERFERENCE. DETECTION EQUIPMENT WILL BE SUPPLIED BY THE DEPARTMENT. UTILITIES LOCATIONS SHALL BE OBTAINED FROM UTILITY COMPANIES PRIOR TO BEGINNING CONSTRUCTION. HAZARD AREAS WHERE POLES OR CONDUIT CROSSES UTILITIES (TELEPHONE, WATER, SEWER, ETC.) MUST BE IDENTIFIED AND MARKED WITH FLAGGING. EXACT POLE OR COLLAR LOCATION AND JUNCTION BOX LOCATIONS SHALL BE FIELD CHECKED TO AVOID DAMAGE TO EXISTING UTILITIES. CONTRACTOR SHALL CONTACT KYTC DISTRICT TRAFFIC SUPERVISOR PRIOR TO SIGNAL INSTALLATION AND TO VERIFY CURRENT POLE SPECIFICATIONS ARE ADEQUATE IF POLE LOCATION DIFFER FROM WHAT IS INDICATED IN THE PLANS. MAINTAIN 10 FT RADIAL CLEARANCE FROM ALL ELECTRICAL LINES CARRYING LESS THAN 50 KV, 20 FT CLEARANCE FROM ELECTRICAL LINES ABOVE 50 KV, AND 15 FT RADIAL CLEARANCE FROM ALL UTILITY LINES. SIGNAL HEADS SHALL HAVE A MINIMUM EIGHT (8) FOOT MEASURED HORIZONTALLY BETWEEN THE CENTER OF SIGNAL HEADS

CABLE  
1-■14/7C  
1-■14/7C  
1-■14/7C  
1-■14/7C  
1-■14/7C  
1-■14/7C  
1-■14/7C

## WIRING SCHEDULE

ALL INDICATIONS L.E.D.  
ALL MAINLINE HEADS WILL HAVE  
REFLECTIVE BACKPLATES

STEEL STRAIN POLES			
SPAN	ATT. HT.	CALC. SERV. MOMENT	SAG
A-B	34	237.98 K-FT	5%
A-D	32		
B-A	34	233.21 K-FT	5%
B-C	33		
C-B	29.5	203.19 K-FT	5%
C-D	31		
D-A	29	208.33 K-FT	5%
D-C	31		

ALL MESSENGER IS 15,400 LB

## STEEL STRAIN POLES

SPAN	ATT. HT.	CALC. SERV. MOMENT	SAG
A-B	34	231.98 K-FT	5%
A-D	32		
B-A	34	233.21 K-FT	5%
B-C	33		
C-B	29.5	203.19 K-FT	5%
C-D	31		
D-A	29	208.33 K-FT	5%
D-C	31.0		

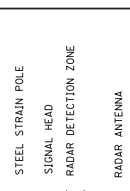
ALL MESSENGER IS 15,400 LB

ALL MESSENGER IS 15,400 LB

### LEGEND

LEVEL

NO U TURN R3-4 SIGN FURNISHED BY DISTRICT	LEFT TURN / THROUGH R3-6 SIGN FURNISHED BY DISTRICT	RIGHT TURN ONLY R3-5 SIGN FURNISHED BY DISTRICT	BASE MOUNTED CONTROLLER
--	--	--	-------------------------



SIGNAL HEADS SHALL HAVE A MINIMUM EIGHT (8) FOOT SPACING, MEASURED HORIZONTALLY BETWEEN THE CENTER OF SIGNAL HEADS

SIGNAL PLAN  
JUNCTION KY 9 & KY 709  
CAMPBELL CO.

SCALE: 1"=20'





## -00:

-00:

SPECIAL NOTES

1. THE COLORS SHALL BE AS SHOWN IN THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND "STANDARD HIGHWAY SIGNS".
2. SHEETING SIGNS SHALL BE FABRICATED ON 0.25 GAUGE MATERIAL IF ANY DIMENSION IS GREATER THAN 36" (THIRTY-SIX INCHES). OTHERWISE, 0.080 GAUGE MATERIAL SHALL BE USED.
3. SHEETING SIGNS SHALL BE MOUNTED ON TYPE "POST" USING STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER, SEE THE SHEETING SIGN DETAIL SHEET.

# SIGNING SPECIFICATION NOTES

## GROUND-MOUNTED SIGN SUPPORTS

**GENERAL**  
ALL SIGNS SHALL BE POSITIONED AS SHOWN ON THE POSITIONING DETAIL SHEET. ALL BEAMS SHALL BE FABRICATED FROM A SINGLE PIECE OF STEEL. BEAMS SHALL BE WELDED TO THE REQUIRED BASE ENSEMBLED EXISTING BEAMS ON WHICH SHEETING SIGNS ARE ATTACHED SHALL BE REMOVED AND REPLACED WITH TYPE I OR TYPE II POSTS, UNLESS THEY ARE LOCATED BEHIND GUARDRAIL.

**BEAMS**  
ALL BEAMS SHALL BE EITHER TYPE "A" (STANDARD BEAM INSTALLATION) OR TYPE "C" (BREAKAWAY BEAM INSTALLATION). TYPE "A" BEAMS ARE SHOWN ON THE BREAKAWAY SIGN SUPPORT SYSTEM DETAIL SHEET, AND TYPE "C" BEAMS ARE SHOWN ON THE BREAKAWAY SIGN SUPPORT SYSTEM DETAIL SHEET. ONLY BREAKAWAY (TYPE "C") BEAM SUPPORT SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. THE TYPE AND SIZE OF BEAM TO BE USED SHALL BE INDICATED FOR EACH PANEL SIGN ON THE SIGN DETAIL SHEETS. BEAM LENGTHS INCLUDED IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS TO SIGN LENGTHS TO ACCOMMODATE THE DEPARTMENT'S SIGN LENGTHS, WITH ANY DISCREPANCIES BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

**STEEL POSTS**  
TYPE I STEEL POSTS SHALL BE EITHER STANDARD INSTALLATION IN SOIL WITH SOIL STABILIZER, OR TYPE "D" (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). ONLY BREAKAWAY TYPE "D" POST SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. BRACING, IF REQUIRED, SHALL BE INCIDENTAL TO TYPE I POST. TYPE II POSTS SHALL BE STANDARD INSTALLATION IN SOIL WITH A SOIL STABILIZER. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS TO SIGN LENGTHS ON THE SHEETING SIGN DETAIL SHEET.  
ALL STEEL POSTS SHALL MEET THE REQUIREMENTS OF SECTION 832 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

**MILEPOST MARKERS AND ENHANCED REFERENCE MARKERS**  
MILEPOST MARKERS AND ENHANCED REFERENCE LOCATION SIGNS SHALL CONFORM TO THE GENERAL REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION). ADDITIONAL REQUIREMENTS ARE GIVEN ON THE SIGNING POSITIONING DETAIL SHEET AND ENHANCED REFERENCE LOCATION SIGNS DETAIL SHEET.  
FOR THE LOUISVILLE AREA, FINAL LOCATION OF ENHANCED REFERENCE LOCATION SIGNS SHALL BE VERIFIED BY TRIMARC. NOTIFY A REPRESENTATIVE OF TRIMARC AT LEAST TWO WEEKS IN ADVANCE OF BEGINNING WORK ON THIS ITEM.  
901 WEST MAIN STREET  
LOUISVILLE, KY 40202  
270-307-7456

**MEDIAN CROSSOVER SIGNS**  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF MEDIAN CROSSOVER SIGNS MENTIONED IN THE FOLLOWING SCHEDULES OR NOT AT CROSSOVERS ON MEDIANS SIXTY FEET (60') WIDE OR LESS. THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON THE SAME POSTS IN THE CENTER OF THE MEDIAN, ONE FACING TRAFFIC IN EACH DIRECTION. AT CROSSOVERS ON MEDIANS OVER SIXTY FEET (60') WIDE, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON SEPARATE POSTS IN EACH DIRECTION. FOR ADDITIONAL GUIDANCE, SEE SEPA DRAWING FOR FLEXIBLE DELINEATOR POST ARRANGEMENT FOR INTERCHANGE RAMP AND CROSSOVERS.

**CONCRETE BASES**  
ALL CONCRETE BASES SHALL BE OF CLASS "A" CONCRETE FOR SIGNS AND SHALL BE AS SHOWN ELSEWHERE IN THESE PLANS.  
EXCAVATION NECESSARY TO CONSTRUCT BASES AND FOOTINGS IS INCIDENTAL TO THE COST OF CLASS "A" CONCRETE FOR SIGNS.

## THE FOLLOWING PUBLICATIONS ARE APPLICABLE TO THE WORK DESCRIBED HEREIN:

KENTUCKY DEPARTMENT OF HIGHWAYS STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) - FEDERAL HIGHWAY ADMINISTRATION  
MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION) - FEDERAL HIGHWAY ADMINISTRATION

**SCOPE OF WORK**  
TO FURNISH, FABRICATE AND ERECT IN PLACE ALL MATERIALS NECESSARY TO FORM COMPLETED SIGNS AS INDICATED AT LOCATIONS DESCRIBED ELSEWHERE IN THESE PLANS. NEW SIGNS ARE TO BE INSTALLED AT EXISTING LOCATIONS UNLESS OTHERWISE NOTED ON THE PLANS.

**SIGN SUBSTRATES**  
SIGN SUBSTRATES SHALL CONFORM TO SECTION 833 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. THESE PLANS, UNLESS OTHERWISE NOTED, SHALL BE IN ACCORDANCE WITH THE FOLLOWING: PANEL SIGNS SHALL BE LABELED AS P-4. SHEETING SIGNS SHALL BE LABELED AS S-4.

**SIGN MATERIALS**  
**SIGN SHEETING**  
SIGN SHEETING SHALL CONFORM TO SECTION 830 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. ONLY SHEETING ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED.  
ALL RETROREFLECTIVE MATERIALS SHALL BE FABRICATED AND ASSEMBLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.  
PERMANENT SIGNS AND SIGN COMPONENTS SHALL BE FABRICATED USING TYPE XI SHEETING.  
THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT YELLOW SHEETING  
- HORIZONTAL ALIGNMENT SIGNS AND PLAQUES  
- ALL ADVISORY SPEED PLAQUES  
- WARNING RESOURCES ON PANEL SIGNS  
- ALL SCHOOL AND SCHOOL BUS WARNING SIGNS  
- BICYCLE WARNING SIGNS AND SHARE THE ROAD PLAQUES OR DIAGONAL DOWNWARD POINTING ARROW PLAQUES  
- PEDESTRIAN WARNING SIGNS AND DIAGONAL DOWNWARD POINTING ARROW PLAQUES THAT SUPPLEMENT PEDESTRIAN WARNING SIGNS  
- IN-STREET PEDESTRIAN CROSSING (R1-6) SIGNS AND OVERHEAD PEDESTRIAN CROSSING (R1-9) SIGNS  
- HORIZONTAL PLAQUES TO ANY OF THE PREVIOUSLY LISTED FLUORESCENT YELLOW-GREEN SIGNS LISTED ABOVE  
ALL OTHER PERMANENT SIGNS (INCLUDING THE BACKGROUNDS OF PANEL SIGNS) SHALL BE FABRICATED USING TYPE XI SHEETING.

**LETTERS, SYMBOLS, AND BORDERS**  
LETTERS, SYMBOLS AND BORDERS ARE TO BE APPLIED TO THE SIGN FACE USING THE "DIRECT APPLICATION" METHOD.  
PANEL OVERLAY SECTIONS SHALL BE AFFIXED WITH A "POP" RIVET WITH A MINIMUM RIVET LENGTH SHALL BE AS NECESSARY TO PROPERLY APPLY COPY IN A WORKMANLIKE MANNER.

**LABORWARE**  
ALL HARDWARE FOR THE ASSEMBLY OF PANEL SIGNS AND THE ATTACHMENT OF THESE SIGNS TO THEIR SUPPORTS SHALL BE AS RECOMMENDED BY THE PANEL MANUFACTURER. PLACEMENT OF POST CLIP SHALL BE AS SHOWN ON THE SIGNING MISCELLANEOUS DETAIL SHEET.  
ALL HARDWARE FOR THE ERECTION OF SHEETING SIGNS SHALL BE CADMIUM PLATED STEEL IN ACCORDANCE WITH ASTM A316 AND ASTM A307.

**FOUNTS**  
CLEARVIEW S-W SHALL BE USED FOR PLACE NAMES AND DESTINATIONS COMPRISED OF A MIX OF UPPER AND LOWER CASE LETTERS. STANDARD ALPHABETS SHALL BE USED FOR ALL OTHER TEXT ON PANEL GUIDE SIGNS.

**CONCRETE BASES (CONTINUED)**  
WHERE THE REMOVAL OF OVERHEAD STRUCTURE CONCRETE BASE IS CALLED FOR, THE BASE IS TO BE REMOVED TO A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE. BACKFILLED TO EXISTING GROUND LINE. AND THE DISTURBED AREAS RESEDED.  
WHERE THE REMOVAL OF BEAM SOIL SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT (1') BELOW EXISTING GROUND LINE OR THE ENTIRE BEAM AND CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO EXISTING GROUND LINE.

**SAMPLES, TESTING, ETC.**  
BEFORE BEGINNING INSTALLATION, THE CONTRACTOR SHALL FURNISH TO THE PROJECT ENGINEER DRAWINGS, DISCREPANCIES, MANUFACTURER'S CUTS ETC. FOR WRITTEN APPROVAL OF ALL MATERIALS TO BE USED. MILL TEST REPORTS FOR BEAMS, STEEL PANELS, AND EACH DIFFERENT GAUGE OF ALUMINUM OR STEEL SHEETING USED MUST BE SUBMITTED TO THE DIVISION OF CONSTRUCTION AND APPROVED PRIOR TO ERECTION.

**MISCELLANEOUS**  
THE COST FOR REMOVING EXISTING PANEL SIGNS SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.  
ON SHEETING SIGNS WHERE THERE ARE MORE THAN ONE SIGN ASSEMBLY MOUNTED BESIDE EACH OTHER, THE POSTS SHALL BE SPACED TO PROVIDE APPROXIMATELY SIX INCHES (6") OF SPACING BETWEEN SIGNS.

CLEARING AND GRUBBING, AND TREE TRIMMING, WHEN REQUIRED FOR CONSTRUCTION OR VISIBILITY OF SIGNS, SHALL BE INCIDENTAL TO THE CONTRACT.  
SIGN COVERING IS NOT RECOMMENDED. HOWEVER, IF IT IS ABSOLUTELY NECESSARY TO COVER THE SIGN FACE TEMPORARILY FOLLOWING ERECTION, USE CAUTION SINCE SOME COVERINGS MAY CAUSE PERMANENT DAMAGE TO THE SIGN FACE FOLLOWING EXPOSURE TO THE ELEMENTS. COVERINGS SHALL BE REMOVED IMMEDIATELY AFTER ERECTION. SIGNS ARE TOLDED OVER THE SIGN EDGES AND SECURED AT THE BACK OF THE SIGN HAVE BEEN USED SUCCESSFULLY FOR LIMITED PERIODS. DO NOT USE TAPE, PAPER, PLASTIC, OR SHEET METAL COVERS. ANY SIGNS THAT ARE DAMAGED AS A RESULT OF COVERING SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

TYPE I AND II STEEL POSTS IN SOIL SHALL BE DRIVEN 32" TO 34" BELOW THE GROUND SURFACE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION OF POSTS. THE CONTRACTOR SHALL DRILL HOLES OF THE REQUIRED DEPTH INTO THE ROCK AND BACKFILL WITH CONCRETE. THE COST SHALL BE INCIDENTAL TO STEEL POST, AND SOIL STABILIZERS WILL NOT BE REQUIRED.  
ANY AREA DISTURBED SHALL BE SIDE GRADED TO THE EXISTING SLOPES AND RESEDED AS DIRECTED BY THE ENGINEER. AT NO ADDITIONAL COST TO THE DEPARTMENT.  
REMOVE AND DO NOT REPLACE THE WHITE ON BLUE GENERAL SERVICES SIGNS AT THE EXIT RAMP TERMINALS, "EMERGENCY STOPPING ONLY" SIGNS, AND THE ROUTE MARKER THAT IS LOCATED INSIDE THE INTERCHANGE PAST THE EXIT GORE AREA.

INSTALLATION OF ADVISORY EXIT AND RAMP-SPREAD SIGNS (W13-2 AND W13-3) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).  
ALL EXISTING SIGNING SIGNS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REMOVED AND REPLACED WITH NEW SIGNS AND POSTS. SIGNS AND POSTS SHALL CONFORM TO CURRENT STANDARDS/SPECIFICATIONS. THE COST FOR REMOVING EXISTING SHEETING SIGNS AND POSTS, INCLUDING EXISTING SIGNING SIGNS AND POSTS, SHALL BE INCIDENTAL TO THE PROJECT. ALL EXISTING SIGNS, ALL SIGNS SHOWN ON THE SIGNING PLANS MUST BE INSTALLED. FOR SIGN SIZES AND SPECIFICATIONS, SEE THE CURRENT PROJECT SIGNING PLAN DETAIL SHEETS.  
THE COST FOR SIGN BRACKETS AND ANY OTHER HARDWARE REQUIRED TO ATTACH NEW SIGNS ON EXISTING TRUSSES AND CANTILEVERS SHALL BE INCLUDED IN THE UNIT PRICE OF SIGN BASE MATERIAL FOR PANEL SIGNS.  
DUPLICATE SIGNS SHALL NOT BE DISPLAYED DURING THE CONSTRUCTION OF THIS PROJECT.  
SHEETING SIGNS (D1-1, D1-3) EQUAL TO OR LESS THAN 72" X 42" REQUIRE TWO TYPE I OR TYPE II POSTS.

THE HORIZONTAL CLEARANCE "X" ON ALL THE SHEETING SIGNS SHOULD BE A MINIMUM OF 6' FROM THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN OR A MINIMUM OF 12' FROM THE EDGE OF THE SIGN TO THE EDGE OF THE TRAVELLED WAY AS SHOWN IN THE SIGNING POSITIONING DETAIL SHEET.  
IF ANY SIGN IS LOCATED NEAR A LUMINAIRE OR ANOTHER POLE, IT SHALL BE INSTALLED IN ADVANCE OF THE POLE SO THAT THE MOTORISTS VIEW OF THE SIGN WILL NOT BE OBSTRUCTED. SIGNS THAT DO NOT COMPLY WITH THE RULED SHALL BE REMOVED BY THE CONTRACTOR AS APPROVED AND DIRECTED BY THE ENGINEER.

6/24/2020

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: SIGNING SPECIFICATION SHEET

USER: delanygray

FILE NAME: C:\P\WORK\KELLEN\WESTERN\ERC022\242\ORD SIGNING STANDARDS.DGN

ITEM NO. COUNTY OF CAMPBELL  
06-80220.00  
SHEET NO. 78

The figure illustrates the dimensions for the placement of mileposts and mile markers. It is divided into three sections: 1 DIGITS, 2 DIGITS, and 3 DIGITS.

- 1 DIGITS:** Shows a single digit '4' on a sign. The sign is 12' high. The digit is 4" series 'B' and 10" series 'D'. The sign is placed 24' from the pavement edge. The shoulder is 4'-0" min. wide.
- 2 DIGITS:** Shows two digits '44' on a sign. The sign is 12' high. The digits are 4" series 'B' and 10" series 'D'. The sign is placed 36' from the pavement edge. The shoulder is 4'-0" min. wide.
- 3 DIGITS:** Shows three digits '444' on a sign. The sign is 12' high. The digits are 4" series 'B' and 10" series 'D'. The sign is placed 48' from the pavement edge. The shoulder is 4'-0" min. wide.

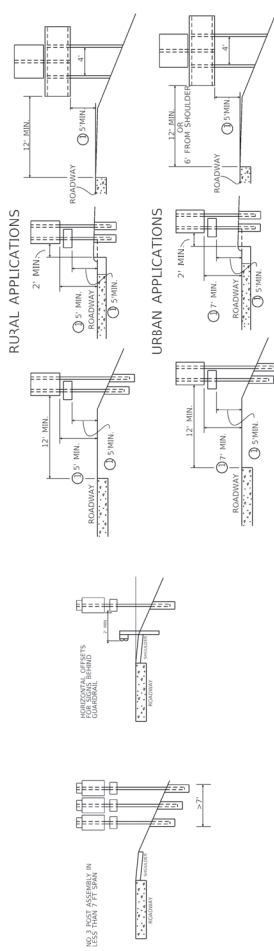
In all diagrams, the sign is placed on a shoulder, and the pavement edge is indicated by a dashed line. The elevation of the pavement is also shown.

[illegible]

901 WEST MAIN STREET  
LOUISVILLE, KY 40202  
502-587-6624  
270-307-7456

Ⓐ ATTACHMENT OF SECONDARY SIGN TO MAJOR SIGN IS TO BE MADE WITH TWO (2) 3" X 3" X 96" ANGLES OF SUFFICIENT LENGTH TO EXTEND FROM THE LOWER EDGE OF THE SECONDARY SIGN TO AT LEAST THREE FEET UP THE BACK OF THE MAJOR SIGN. A MINIMUM OF ONE POST CLIP PER FOOT SHALL BE USED IN ATTACHING EXTENSIONS TO EACH ANGLE.

## RURAL APPLICATIONS



NOTE: SHOULD A SIGN BE LOCATED AT A POINT WHERE GUARDRAIL IS CALLED FOR OR EXISTING, ALL SIGN SUPPORTS SHALL BE PLACED BEHIND THE GUARDRAIL AND LATERAL OFFSET SHALL BE MEASURED FROM THE GUARDRAIL.

NOT TO EXCEED 8' IN URBAN AREAS AND 6' IN RURAL AREAS UNLESS SPECIFIED BY THE ENGINEER

Diagram illustrating the Orientation Angle. The road cross-section shows the Pavement and Shoulder. The Pavement is 90° wide, and the Shoulder is 30° wide. The orientation angle is 90°. The diagram also shows the Face of Sign or Mile Marker (Angle 2° away from Traffic) and the Traffic direction.

NOT TO SCALE
ITEM NO. 06-80220.00 COUNTY OF CAMPBELL
SHEET NO. 79

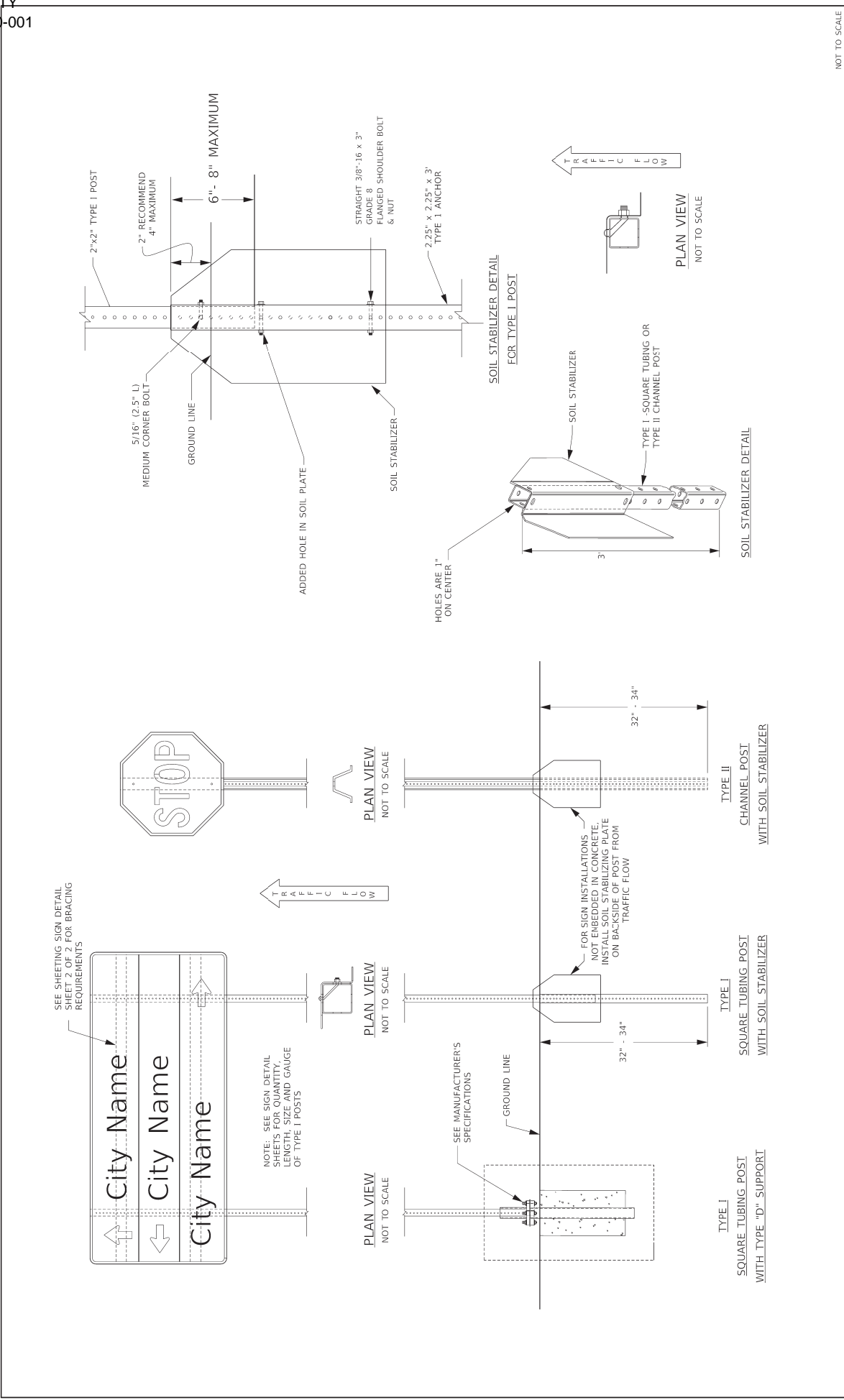
DRAWING TITLE: SIGNING POSITIONING DETAIL SHEET

COMMONWEALTH OF KENTUCKY  
DEPARTMENT OF HIGHWAYS

FILE NAME: C:\PW\WORK\KIELLEN.WESTERMEYER\ID237242\1\ORD SIGNING STANDARDS.DGN

USER: ellen.gregory

OpenRoads Designer v10.16.2.267



COMMONWEALTH OF KENTUCKY DEPARTMENT OF HIGHWAYS	DRAWING TITLE: SHEETING SIGN DETAIL SHEET 1 OF 2		NOT TO SCALE
	ITEM NO. 06-80270.00	COUNTY OF CAMPBELL	SHEET NO. 110

FILE NAME: C:\PW\GRIFFIN\WESTERN\KED072421\GRD SIGNING STANDARDS.DGN

USER: ellengrady

OpenRoads Designer v10 R2.267

FOR ATTACHMENT OF SIGNS LESS THAN 72" IN WIDTH USING MANUFACTURED 3/8" HOLES ON 1" CENTERS. SEE STANDARD HIGHWAY SIGNS BLANK PGS 7-1 THRU 7-6

NOTE:  
ALUMINUM SIGN BRACING  
2" MOUNTING SURFACE x 7/8" DEPTH x 1/8" NOMINAL WALL THICKNESS  
6061-T6 ALUMINUM ALLOY, PUNCHED WITH 3/8" DIAMETER HOLES ON 1" CENTERS FOR ATTACHMENT OF SIGN SUBSTRATE USING 3/8" DRIVE RIVETS

3/8" HOLE ON 1" CENTERS

7/8"

2"

1/8" NOMINAL WALL THICKNESS

2"

3/8" DRIVE RIVET ATTACHED AT 6" CENTERS ON 1" HOLE SPACING

7/8"

SIGN BRACE

TYPE I SQUARE POST

SQUARE POST CLAMP & BRACE

FOR ATTACHMENT OF SIGNS GREATER THAN, OR EQUAL TO, 72" IN WIDTH.

RIVETS SHALL BE COLOR CODED TO MATCH SHEETING IN ORDER TO MINIMIZE GLARE FROM RIVETS

NOTE:  
ALUMINUM SIGN BRACING  
2" MOUNTING SURFACE x 7/8" DEPTH x 1/8" NOMINAL WALL THICKNESS  
6061-T6 ALUMINUM ALLOY, PUNCHED WITH 3/16" DIAMETER HOLES ON 6" CENTERS FOR ATTACHMENT OF SIGN SUBSTRATE USING RIVETS

7/8"

2"

6"

1/8" NOMINAL WALL THICKNESS

2"

3/16" FLAT RIVET ATTACHED ON 6" CENTERS COLOR CODED TO MATCH SIGN SHEETING

7/8"

SIGN BRACE

TYPE I SQUARE TUBING SIGN SUPPORT

SQUARE POST CLAMP & BRACE

3 POST - BRACING DIAGRAM

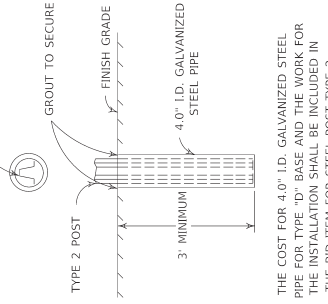
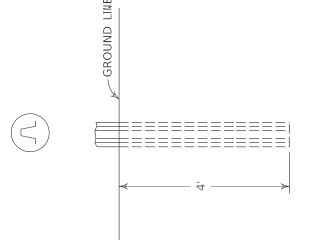
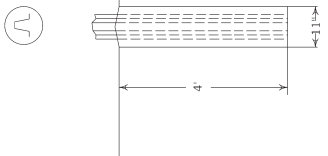
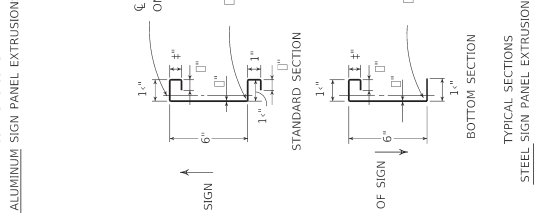
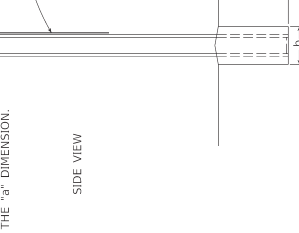
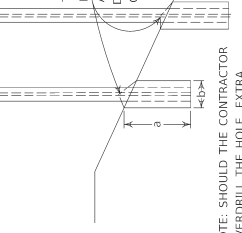
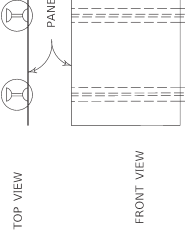
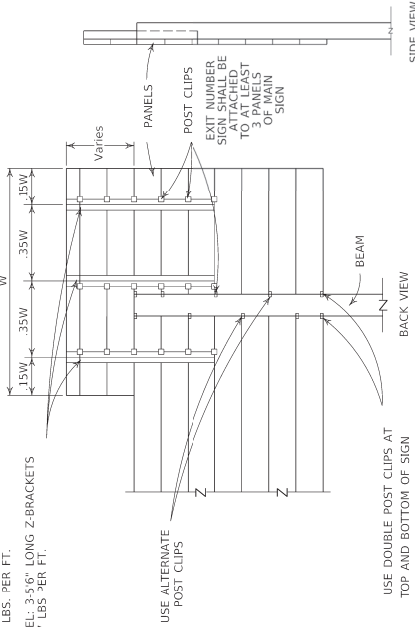
NOTE:  
1. MAXIMUM AREA PER CONNECTING JUNCTION = 16 SQ. FT.  
2. BRACING SHOULD NOT BE SPLICED WITHIN 6' OF A BRACE TO POST JUNCTION

3 POST - BRACING DIAGRAM

2 POST - BRACING DIAGRAM

NOTE:  
USE OF SIGN BRACING NOT SHOWN ON THIS SHEET MAY BE PERMITTED BY PROJECT ENGINEER AND/OR DISTRICT TRAFFIC ENGINEER.

2 POST - BRACING DIAGRAM

CHANNEL POST DETAILS			PANEL DETAILS		TYPICAL BEAM WITH TYPE "A" CONCRETE BASE DETAIL
TYPE "B" CONCRETE BASE	TYPE "C" DRIVEN BASE	TYPE "D" PIPE BASE	<div></div> <div><p>MINIMUM WEIGHT PER LINEAR FOOT 6" PANEL - 1.115 LBS. 12" PANEL - 2.485 LBS.</p><p>TYPICAL SECTIONS ALUMINUM SIGN PANEL EXTRUSIONS</p><p>TYPICAL SECTIONS STEEL SIGN PANEL EXTRUSIONS</p></div>		<div></div> <p>NOTE: SHOULD THE CONTRACTOR OVERDRILL THE HOLE EXTRA CONCRETE WILL BE AT THE CONTRACTOR'S EXPENSE. PAYMENT WILL BE DETERMINED BY THE "a" DIMENSION.</p>
DETAIL FOR EXIT NUMBER SIGN ATTACHMENT AND TYPICAL POST CLIP ARRANGEMENT			 <p>NOTE: THE COST FOR ATTACHING AN EXIT NUMBER SIGN SHALL BE INCLUDED IN THE BID ITEM FOR SIGN BASE MATERIAL FOR PANEL SIGNS AND SHALL INCLUDE ALL Z-BRACKETS AND HARDWARE. THE EXIT NUMBER SIGN SHALL BE INSTALLED OVER THE LEFT OR RIGHT SIDE OF THE SIGN AS SHOWN ON THE PLANS.</p>		





February 18, 2022

## **SPECIAL NOTE FOR GEOGRID PLACEMENT FOR SUBGRADE**

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

### **1.0 DESCRIPTION.**

Additional notes in addition to the Standard Specifications for the placement of Geogrid.

### **2.0 MATERIALS**

**2.1 Geogrid:** Furnish a punched and drawn Geogrid meeting the requirements of Section 304.

**2.2 Class 1 Geotextile Fabric:** Conform to Section 843.

### **3.0 CONSTRUCTION**

Place the Class 1 geotextile fabric first, and then place the geogrid on top of the geotextile fabric so that they are at the bottom of the aggregate layer. Maintain tension on the geogrid and ensure there are no buckles or folds. Geogrid should not be completely placed before placing aggregate, but should be placed down at the front of a "paving train" consisting of the geogrid laydown equipment followed no further than 50 feet by the aggregate placement equipment. In curves and intersections, cut and overlap the geogrid. Place the geogrid and aggregate according to Sections 304 and 302. Contrary to Section 302.03.03, if the total aggregate base thickness is less than 12 inches, the aggregate base will be placed in one lift. If greater than 12 inches, place the aggregate in 3 inch to 12 inch lifts with the first lift being a minimum of 10 inches. All other construction and density requirements of Section 302 will apply.

### **4.0 MEASUREMENT.**

The Department will measure the quantity of Geogrid in square yards and the quantity of Class 1 Fabric in square yards. The Department will not make payment for providing a geogrid manufacturer's representative and will consider it incidental to the bid item for Geogrid.

February 18, 2022

**5.0 PAYMENT.**

The Cabinet will make payment for the completed and accepted quantities under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
00005	GEOGRID REINFORCEMENT FOR SUBGRADE	Square Yard
02602	FABRIC-GEOTEXTILE CLASS 1	Square Yard

The Cabinet will consider payment as full compensation for all work required in this note.

## **SPECIAL NOTE FOR ELECTRONIC DELIVERY MANAGEMENT SYSTEM (e-Ticketing) ASPHALT**

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

**1.0 DESCRIPTION.** Incorporate an e-Ticketing Delivery Software for weighed asphalt material delivered to the project to report loads and provide daily running totals of weighed asphalt material for pay items and incidental work during the construction processes from the point of measurement and loading to the point of incorporation to the project.

**2.0 MATERIALS AND EQUIPMENT.** Contractor shall supply material data in JavaScript Object Notation (JSON) documents to the KYTC e-Ticketing Delivery Software (KYTC e-Ticketing Portal) via Application Programming Interface (API) or direct connection. Test and verify that ticket data can be shared from the original source no fewer than 30 days prior to material placement activities. An e-Ticketing Delivery Software supplier can provide a qualified representative for on-site technical assistance during the initial setup, pre-construction verifications, and data management and processing as needed during the Project to maintain material data delivery capabilities. Virtual meetings may be hosted in lieu of on-site meetings when deemed appropriate by the Engineer.

Provide e-Ticketing Delivery Software that will meet the following:

1. The e-Ticketing Delivery Software shall be fully integrated with the Contractor's Load Read-Out scale system at the material source location.
2. The e-Ticketing Delivery Software shall provide real-time delivery to KYTC e-Ticketing Portal.
3. Transmit any updates to the ticket data within 5 minutes of a change.

**3.0 CONSTRUCTION.** Provide the Engineer with the manufacturer's specifications and all required documentation for data access at the pre-construction conference.

### **A. Construction Requirements**

1. Install and operate software in accordance with the manufacturer's specifications.
2. Verify that all pertinent information is provided by the software within the requirements of this Special Note.

### **B. Data Deliverables**

Provide to the Engineer a means in which to gather report summaries by way of iOS apps, web pages, or any other method at the disposal of the Engineer. The Engineer may request data at any time during the project.

#### **1. Asphalt Material**

##### **a. Real-time Continuous Data Items**

Provide the Engineer access to JSON documents capable of being transmitted through the KYTC's e-Ticketing Portal that displays the following information in real-time with a web-based system compatible with iOS and Windows environments.

- Each Truck
  - Supplier Name
  - Supplier Address
  - Supplier Phone
  - Plant location
  - Date
  - Time at source
  - Project Location

- Contract ID#
- Carrier Name
- Unique Truck ID
- Description of Material
- Mix Design Number
- Gross, Tare and Net Weight
- Weighmaster

**4.0 MEASUREMENT.** The Department will not measure the electronic delivery management system.

**5.0 PAYMENT.** The Department will not measure this work for payment and will consider all items contained in this note to be incidental to the asphalt mixtures on the project, as applicable.

May 5, 2025

## **SPECIAL NOTE FOR ELECTRONIC DELIVERY MANAGEMENT SYSTEM (e-Ticketing) AGGREGATE**

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

**1.0 DESCRIPTION.** Incorporate an e-Ticketing Delivery Software for weighed aggregate material delivered to the project to report loads and provide daily running totals of weighed aggregate material for pay items and incidental work during the construction processes from the point of measurement and loading to the point of incorporation to the project.

**2.0 MATERIALS AND EQUIPMENT.** Contractor shall supply material data in JavaScript Object Notation (JSON) documents to the KYTC e-Ticketing Delivery Software (KYTC e-Ticketing Portal) via Application Programming Interface (API) or direct connection. Test and verify that ticket data can be shared from the original source no fewer than 30 days prior to material placement activities. An e-Ticketing Delivery Software supplier can provide a qualified representative for on-site technical assistance during the initial setup, pre-construction verifications, and data management and processing as needed during the Project to maintain material data delivery capabilities. Virtual meetings may be hosted in lieu of on-site meetings when deemed appropriate by the Engineer.

Provide e-Ticketing Delivery Software that will meet the following:

1. The e-Ticketing Delivery Software shall be fully integrated with the Contractor's Load Read-Out scale system at the material source location.
2. The e-Ticketing Delivery Software shall provide real-time delivery to KYTC e-Ticketing Portal.
3. Transmit any updates to the ticket data within 5 minutes of a change.

**3.0 CONSTRUCTION.** Provide the Engineer with the manufacturer's specifications and all required documentation for data access at the pre-construction conference.

### **A. Construction Requirements**

1. Install and operate software in accordance with the manufacturer's specifications.
2. Verify that all pertinent information is provided by the software within the requirements of this Special Note.

### **B. Data Deliverables**

Provide to the Engineer a means in which to gather report summaries by way of iOS apps, web pages, or any other method at the disposal of the Engineer. The Engineer may request data at any time during the project.

#### **1. Aggregate Material**

##### **a. Real-time Continuous Data Items**

Provide the Engineer access to JSON documents capable of being transmitted through the KYTC's e-Ticketing Portal that displays the following information in real-time with a web-based system compatible with iOS and Windows environments.

- Each Truck
  - Supplier Name
  - Supplier Address
  - Supplier Phone
  - Plant location
  - Date
  - Time at source
  - Project Location

- Contract ID#
- Carrier Name
- Unique Truck ID
- Description of Material
- Load Number
- Gross, Tare and Net Weight
- Weighmaster

**4.0 MEASUREMENT.** The Department will measure the electronic delivery management system as a lump sum item.

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

1. Payment is full compensation for all work associated with providing all required equipment, training, and documentation.
2. Payment will be full compensation for costs related to providing the e-Ticketing Delivery Software, including integration with plant load-out systems, and report viewing/exporting process. All quality control procedures including the software representative’s technical support and on-site training shall be included in the Contract lump sum price.

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
26248EC	ELECTRONIC DELIVERY MGMT SYSTEM-AGG	LS

May 5, 2025

**SPECIAL NOTE FOR DOLOMITIC POLISH-RESISTANT AGGREGATE IN CLASS A 0.38-IN. AND 0.50-IN. NOMINAL ASPHALT MIXTURES**

**Contrary to Subsection 403.03.03**, when utilizing a dolomitic polish-resistant aggregate as the coarse portion of the Class A 0.38-in. or 0.50-in.-nominal asphalt surface mixture, provide an asphalt mixture conforming to the following requirements:

- 70 percent of total combined aggregate is Class A polish-resistant aggregate.
- Any coarse aggregate utilized in the mixture shall be classified as Class A polish-resistant.
- Non-dolomitic substitutes from other Class A sources may be used as direct substitutes
- All mixes must have DFT testing/results submitted to Division of Materials with any supporting documentation prior to completion of the project.

*Dynamic Friction Testing Procedure.* Prepare samples for DFT analysis in accordance with PP 104. Friction testing shall be conducted by an AASHTO-accredited facility and data shall be provided in accordance with ASTM E1911 conforming to the following three-wheel polishing schedule. Variations to the testing frequency or methodology shall be coordinated with Division of Materials prior to testing.

<i><b>Polishing Cycles</b></i>
5,000
25,000
75,000
150,000

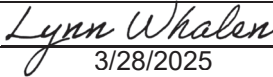

## **INSTALL RADAR PRESENCE DETECTOR TYPE A**

*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. This includes the removal of all existing loop lead-in cable, conduits, and junction boxes from cabinet, poles, spans, and the ground.

March 25, 2025



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

<input checked="" type="checkbox"/> Original	<input type="checkbox"/> Re-Certification	RIGHT OF WAY CERTIFICATION	
ITEM #	COUNTY	PROJECT # (STATE)	PROJECT # (FEDERAL)
6-80220	Campbell	FD04 019 0709 000-001	
PROJECT DESCRIPTION			
ADD RIGHT TURN LANES FROM AA HIGHWAY ONTO KY 709, AND FROM KY 709 ONTO AA HIGHWAY			
<input checked="" type="checkbox"/> No Additional Right of Way Required			
Construction will be within the limits of the existing right of way. The right of way was acquired in accordance to FHWA regulations under the Uniform Relocation Assistance and Real Property Acquisitions Policy Act of 1970, as amended. No additional right of way or relocation assistance were required for this project.			
<input type="checkbox"/> Condition # 1 (Additional Right of Way Required and Cleared)			
All necessary right of way, including control of access rights when applicable, have been acquired including legal and physical possession. Trial or appeal of cases may be pending in court but legal possession has been obtained. There may be some improvements remaining on the right-of-way, but all occupants have vacated the lands and improvements, and KYTC has physical possession and the rights to remove, salvage, or demolish all improvements and enter on all land. Just Compensation has been paid or deposited with the court. All relocations have been relocated to decent, safe, and sanitary housing or that KYTC has made available to displaced persons adequate replacement housing in accordance with the provisions of the current FHWA directive.			
<input type="checkbox"/> Condition # 2 (Additional Right of Way Required with Exception)			
The right of way has not been fully acquired, the right to occupy and to use all rights-of-way required for the proper execution of the project has been acquired. Some parcels may be pending in court and on other parcels full legal possession has not been obtained, but right of entry has been obtained, the occupants of all lands and improvements have vacated, and KYTC has physical possession and right to remove, salvage, or demolish all improvements. Just Compensation has been paid or deposited with the court for most parcels. Just Compensation for all pending parcels will be paid or deposited with the court prior to AWARD of construction contract			
<input type="checkbox"/> Condition # 3 (Additional Right of Way Required with Exception)			
The acquisition or right of occupancy and use of a few remaining parcels are not complete and/or some parcels still have occupants. All remaining occupants have had replacement housing made available to them in accordance with 49 CFR 24.204. KYTC is hereby requesting authorization to advertise this project for bids and to proceed with bid letting even though the necessary right of way will not be fully acquired, and/or some occupants will not be relocated, and/or the just compensation will not be paid or deposited with the court for some parcels until after bid letting. KYTC will fully meet all the requirements outlined in 23 CFR 635.309(c)(3) and 49 CFR 24.102(j) and will expedite completion of all acquisitions, relocations, and full payments after bid letting and prior to AWARD of the construction contract or force account construction.			
Total Number of Parcels on Project	0	EXCEPTION (S) Parcel #	ANTICIPATED DATE OF POSSESSION WITH EXPLANATION
Number of Parcels That Have Been Acquired			
Signed Deed			
Condemnation			
Signed ROE			
Notes/ Comments (Text is limited. Use additional sheet if necessary.)			
LPA RW Project Manager		Right of Way Supervisor	
Printed Name		Printed Name	Lynn Whalen
Signature		Signature	
Date		Date	3/28/2025
Right of Way Director		FHWA	
Printed Name		Printed Name	
Signature		Signature	
Date		Date	
Digitally signed by Kelly Divine Date: 2025.03.28 13:37:13 -05'00'			

## UTILITIES AND RAIL CERTIFICATION NOTE

**Campbell County**  
**No federal number available**  
**FD04 019 15647 01D**  
**Mile point: 0.400 TO 0.460**  
**ADD RIGHT TURN LANES FROM AA HIGHWAY ONTO KY 709, AND FROM KY 709 ONTO**  
**AA HIGHWAY (2022CCN)**  
**ITEM NUMBER: 06-80220.00**

### PROJECT NOTES ON UTILITIES

**The contractor should be aware that there is UTILITY WORK INCLUDED IN THIS ROAD CONSTRUCTION CONTRACT. The Contractor shall review the GENERAL UTILITY NOTES AND INSTRUCTIONS which may include KYTC Utility Bid Item Descriptions, utility owner supplied specifications, plans, list of utility owner preapproved subcontractors, and other instructions. Utility contractors may be added via addendum if KYTC is instructed to do so by the utility owner. Potential contractors must seek prequalification from the utility owner. Any revisions must be sent from the utility owner to KYTC a minimum of one week prior to bid opening.**

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

## UTILITIES AND RAIL CERTIFICATION NOTE

**Campbell County**  
**No federal number available**  
**FD04 019 15647 01D**  
**Mile point: 0.400 TO 0.460**  
**ADD RIGHT TURN LANES FROM AA HIGHWAY ONTO KY 709, AND FROM KY 709 ONTO**  
**AA HIGHWAY (2022CCN)**  
**ITEM NUMBER: 06-80220.00**

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

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

Utility coordination efforts determined that no significant utility relocation work is required to complete the project. Any work pertaining to these utility facilities is defined in the bid

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package and is to be carried out as instructed by the Kentucky Transportation Cabinet. The contractor will be responsible for any coordination or adjustments that are discussed or quantified in the proposal.

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

- Duke Energy Kentucky (Gas) – Natural Gas**
- Northern Kentucky Water District – Water**
- Spectrum Mid-America, LLC – Communications**

**\*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**

Not Applicable

UTILITIES AND RAIL CERTIFICATION NOTE

Campbell County

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AA HIGHWAY (2022CCN)

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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

Altafiber – Communications

- Altafiber to transfer facilities and anchor and remove old pole. Altafiber work is scheduled to be completed by July 1<sup>st</sup>, 2025.

Duke Energy Kentucky (Electric) – Electric

- Duke Electric to replace 45’ pole with a 55’ pole, as well as relocate facilities and anchors. Duke work is scheduled to be completed by June 1<sup>st</sup>, 2025.

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

Sanitation District No. 1 – Sewer

- Road contractor to remove abandoned sanitary manhole and safeload abandoned 6-inch PVC under pavement on behalf of the Sanitation District.

RAIL COMPANIES HAVE FACILITIES IN CONJUNCTION WITH THIS PROJECT AS NOTED

☒ No Rail Involvement   ☐ Rail Involved   ☐ Rail Adjacent

UTILITIES AND RAIL CERTIFICATION NOTE

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**ITEM NUMBER: 06-80220.00**

AREA FACILITY OWNER CONTACT LIST

Facility Owner	Address	Contact Name	Phone	Email
Altafiber - Communications	221 E. Fourth Street, Cincinnati, OH 45202	Jodi Geiman	(513) 240-6600	Jodi.geiman@altafiber.com
Duke Energy Kentucky (Electric) - Electric	2010 Dana Avenue, Cincinnati, OH 45207	Craig Hutchison	(513) 458-3847	Craig.Hutchison@duke-energy.com
Duke Energy Kentucky (Gas) - Natural Gas	1262 Cox Avenue, Erlanger, KY 41018	Scott Pfeifferman	(513) 315-4593	scott.pfeifferman@duke-energy.com
Northern Kentucky Water District - Water	PO Box 18640, Erlanger, KY 41018	Kyle Ryan	(859) 426-2713	kryan@nkywater.org
Sanitation District No. 1 - Sewer	1045 Eaton Drive, Fort Wright, KY 41017	Coleman Needles	(859) 578-6763	cneedles@sd1.org
Spectrum Mid-America, LLC - Communications	10920 Kenwood Rd, Blue Ash, OH 45242	Chris Gapinski	(513) 386-5015	chris.gapinski@charter.com

# **GENERAL UTILITY NOTES AND INSTRUCTIONS APPLICABLE TO ALL UTILITY WORK MADE A PART OF THE ROAD CONSTRUCTION CONTRACT**

The contractor should be aware the following utility notes and KYTC Utility Bid Item Descriptions shall supersede, replace and take precedence over any and all conflicting information that may be contained in utility owner supplied specifications contained in the contract, on plans supplied by the utility owner, or any utility owner specifications or information externally referenced in this contract.

Where information may have been omitted from these notes, bid item descriptions, utility owner supplied specifications or plans; the KYTC Standard Specifications for Road and Bridge Construction shall be referenced.

## **PROTECTION OF EXISTING UTILITIES**

The existing utilities shown on the plans are shown as best known at the time the plans were developed and are to be used as a guide only by the Contractor. The Contractor shall use all means at his disposal to accurately locate all existing utilities, whether shown on the plans or not, prior to excavation. The contractor shall protect these utilities during construction. Any damage to existing utilities during construction that are shown or not shown on the plans shall be repaired at the Contractor's expense.

## **PREQUALIFIED UTILITY CONTRACTORS**

Some utility owners may require contractors that perform relocation work on their respective facilities as a part of the road contract be prequalified or preapproved by the utility owner. **Utility contractors may be added via addendum if KYTC is instructed to do so by the utility owner. Potential contractors must seek prequalification from the utility owner. Any revisions must be sent from the utility owner to KYTC a minimum of one week prior to bid opening.** Those utility owners with a prequalification or preapproval requirement are as follows:

***No contractors are required to be prequalified or preapproved by the utility owner(s) to perform utility relocation work under this contract.***

The bidding contractor needs to review the above list and choose from the list of approved subcontractors at the end of these general notes as identified above before bidding. When the list of approved subcontractors is provided, only subcontractors shown on the following list(s) will be allowed to work on that utility as a part of this contract. In such instances, the utility subcontractor is not required to be prequalified with the KYTC Division of Construction Procurement.

## **IF A UTILITY SUPPLIED CONTRACTOR LIST IS NOT PROVIDED**

When the above list of approved subcontractors for the utility work is not provided, the utility work can be completed by the prime contractor, or a prime contractor-chosen subcontractor. In such instances, the subcontractor shall be prequalified with the KYTC Division of Construction Procurement in the work type of "Utilities" (I33). Those who would like to become prequalified may contact the Division of Construction Procurement at (502) 564-3500. Please note: it could take up to 30 calendar days for prequalification to be approved. The prequalification does not have to be approved prior to the bid, but must be approved before the subcontract will be approved by KYTC and the work can be performed.

#### CONTRACT ADMINISTRATION RELATIVE TO UTILITY WORK

All utility work is being performed as a part of a contract administered by KYTC; there is not a direct contract between the utility contractor and utility owner. The KYTC Section Engineer is ultimately responsible for the administration of the road contract and any utility work included in the contract.

#### SUBMITTALS AND CORRESPONDENCE

All submittals and correspondence of any kind relative to utility work included in the road contract shall be directed to the KYTC Section Engineer, a copy of which may also be supplied to the utility owner by the contractor to expedite handling of items like material approvals and shop drawings. All approvals and correspondence generated by the utility owner shall be directed to the KYTC Section Engineer. The KYTC Section Engineer will relay any approvals or correspondence to the utility contractor as appropriate. At no time shall any direct communication between the utility owner and utility contractor without the communication flowing through the KYTC Section Engineer be considered official and binding under the contract.

#### ENGINEER

Where the word "Engineer" appears in any utility owner specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the "Engineer" is the Kentucky Transportation Cabinet (KYTC) Section Engineer or designated representative and the utility owner engineer or designated representative jointly. Both engineers must mutually agree upon all decisions made with regard to the utility construction. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.



### INSPECTOR OR RESIDENT PROJECT REPRESENTATIVE

Where the word “Inspector” or “Resident Project Representative” appears in the utility specifications included in this proposal, utility owner specifications included as a part of this contract by reference or on the utility relocation plans, it shall be understood the “Inspector” or “Resident Project Representative” is the utility owner inspector and KYTC inspector jointly. The Transportation Cabinet, Section Engineer shall make all final decisions in all disputes.

### NOTICE TO UTILITY OWNERS OF THE START OF WORK

One month before construction is to start on a utility, the utility contractor shall make notice to the KYTC Section Engineer and the utility owner of when work on a utility is anticipated to start. The utility contractor shall again make confirmation notice to the KYTC Section Engineer and the utility owner one week before utility work is to actually start.

### UTILITY SHUTDOWNS

The Contractor shall not shut down any active and in-service mains, utility lines or services for any reason unless specifically given permission to do so by the utility owner. The opening and closing of valves and operating of other active utility facilities for main, utility line or utility service shut downs are to be performed by the utility owner unless specific permission is given to the contractor by the owner to make shutdowns. If and when the utility owner gives the contractor permission to shutdown mains, utility lines or utility services, the contractor shall do so following the rules, procedures and regulations of the utility owner. Any permission given by the utility owner to the contractor to shutdown active and in-service mains, utility lines or services shall be communicated to the KYTC Section Engineer by the utility owner that such permission has been given.

Notice to customers of utility shut downs is sometimes required to be performed by the utility contractor. The contractor may be required; but, is not limited to, making notice to utility customers in a certain minimum amount of time in advance of the shut down and by whatever means of communication specified by the utility owner. The means of communication to the customer may be; but is not limited to, a door hanger, notice by newspaper ad, telephone contact, or any combination of communication methods deemed necessary, customary and appropriate by the utility owner. The contractor should refer to the utility owner specifications for requirements on customer notice.

Any procedure the utility owner may require the contractor to perform by specification or plan note and any expense the contractor may incur to comply with the utility owner’s shut down procedure and notice to customers shall be considered an incidental expense to the utility construction.

CUSTOMER SERVICE AND LATERAL ABANDONMENTS When temporary or permanent abandonment of customer water, gas, or sewer services or laterals are necessary during relocation of utilities included in the contract, the utility contractor shall perform these abandonments as part of the contract as incidental work. No separate payment will be made for service line and lateral abandonments. The contractor shall provide all labor, equipment and materials to accomplish the temporary or permanent abandonment in accordance with the plans, specifications and/or as directed by the engineer. Abandonment may include, but is not limited to, digging down on a water or gas main at the tap to turn off the tap valve

or corporation stop and/or capping or plugging the tap, digging down on a sewer tap at the main and plugging or capping the tap, digging down on a service line or lateral at a location shown on the plans or agreeable to the engineer and capping or plugging, or performing any other work necessary to abandon the service or lateral to satisfactorily accomplish the final utility relocation.

### STATIONS AND DISTANCES

All stations and distances, when indicated for utility placement in utility relocation plans or specifications, are approximate; therefore, some minor adjustment may have to be made during construction to fit actual field conditions. Any changes in excess of 6 inches of plan location shall be reviewed and approved jointly by the KYTC Section Engineer or designated representative and utility owner engineer or designated representative. Changes in location without prior approval shall be remedied by the contractor at his own expense if the unauthorized change creates an unacceptable conflict or condition.

### RESTORATION

Temporary and permanent restoration of paved or stone areas due to utility construction shall be considered incidental to the utility work. No separate payment will be made for this work. Temporary restoration shall be as directed by the KYTC Section Engineer. Permanent restoration shall be “in-kind” as existing.

Restoration of seed and sod areas will be measured and paid under the appropriate seeding and sodding bid items established in the contract for roadway work.

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BELOW ARE NOTES FOR WHEN “INST” ITEMS ARE IN THE CONTRACT MEANING THE UTILITY COMPANY IS PROVIDING CERTAIN MATERIALS FOR UTILITY RELOCATION

### MATERIAL

Contrary to Utility Bid Item Descriptions, those bid items that have the text “**Inst**” at the end of the bid item will have the major components of the bid item provided by the utility owner. No direct payment will be made for the major material component(s) supplied by the utility company. All remaining materials required to construct the bid item as detailed in utility bid item descriptions, in utility specifications and utility plans that are made a part of this contract will be supplied by the contractor. The contractor’s bid price should reflect the difference in cost due to the provided materials.

The following utility owners have elected to provide the following materials for work under this contract:

***No materials are being supplied by the utility owner. All materials are to be supplied by the contractor per bid item descriptions, utility specifications and utility plans.***

### SECURITY OF SUPPLIED MATERIALS

If any utility materials are to be supplied by the utility owner, it will be the responsibility of the utility contractor to secure all utility owner supplied materials after delivery to the project site. The utility contractor shall coordinate directly with the utility owner and their suppliers for delivery and security of

the supplied materials. Any materials supplied by the utility owner and delivered to the construction site that are subsequently stolen, damaged or vandalized and deemed unusable shall be replaced with like materials at the contractor's expense.

KyTC BMP Plan for Project CID ## - #####



**Kentucky Transportation Cabinet**

**Highway District 6**

**And**

**\_\_\_\_\_ (2), Construction**

**Kentucky Pollutant Discharge Elimination System**

**Permit KYR10**

**Best Management Practices (BMP) plan**

**Groundwater protection plan**

**For Highway Construction Activities**

**For**

**Right turn lanes at KY 709/KY 9 Intersection**

**Project: CID ## - #####**

**Item 6-80220.00**

## KyTC BMP Plan for Project CID ## - #####

### Project information

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

1. Owner – Kentucky Transportation Cabinet, District 6
2. Resident Engineer: (2)
3. Contractor name: (2)  
Address: (2)  
  
Phone number: (2)  
Contact: (2)  
Contractors agent responsible for compliance with the KPDES permit requirements (3):
4. Project Control Number (2)
5. Route (Address) KY 709 at AA Hwy (KY 9)
6. Latitude/Longitude (project mid-point) 38/59/20 N, 84/23/49 W
7. County (project mid-point) Campbell County
8. Project start date (date work will begin): (2)
9. Projected completion date: (2)

## KyTC BMP Plan for Project CID ## - #####

### A. Site description:

1. Nature of Construction Activity (from letting project description) **Add right turn lanes from AA Highway onto KY 709, and from KY 709 onto AA Highway**
2. Order of major soil disturbing activities **(2) and (3)**
3. Projected volume of material to be moved **(1)**
4. Estimate of total project area (acres) **(1)**
5. Estimate of area to be disturbed (acres) **(1)**
6. Post construction runoff coefficient will be included in the project drainage folder. Persons needing information pertaining to the runoff coefficient will contact the resident engineer to request this information.**(1)**
7. Data describing existing soil condition **(1) & (2)**
8. Data describing existing discharge water quality (if any) **(1) & (2)**
9. Receiving water name **(1)**
10. TMDLs and Pollutants of Concern in Receiving Waters: **(1 DEA)**
11. Site map – Project layout sheet plus the erosion control sheets in the project plans that depict Disturbed Drainage Areas (DDAs) and related information. These sheets depict the existing project conditions with areas delineated by DDA (drainage area bounded by watershed breaks and right of way limits), the storm water discharge locations (either as a point discharge or as overland flow) and the areas that drain to each discharge point. These plans define the limits of areas to be disturbed and the location of control measures. Controls will be either site specific as designated by the designer or will be annotated by the contractor and resident engineer before disturbance commences. The project layout sheet shows the surface waters and wetlands.
12. Potential sources of pollutants:

The primary source of pollutants is solids that are mobilized during storm events. Other sources of pollutants include oil/fuel/grease from servicing

## KyTC BMP Plan for Project CID ## - #####

and operating construction equipment, concrete washout water, sanitary wastes and trash/debris. (3)

### **B. Sediment and Erosion Control Measures:**

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

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

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

## KyTC BMP Plan for Project CID ## - #####

Areas that have not been opened by the contractor will be inspected periodically (once per month) to determine if there is a need to employ BMPs to keep pollutants from entering storm water.

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



## KyTC BMP Plan for Project CID ## - #####

- Removal of Silt Traps Type B from ditches and drainways if they are protected with other BMP's which are sufficient to control erosion, i.e. Erosion Control Blanket or Permanent Seeding and Protection on moderate grades.
  - Permanent Seeding and Protection
  - Placing Sod
  - Planting trees and/or shrubs where they are included in the project
- BMP's including Storm Water Management Devices such as velocity dissipation devices and Karst policy BMP's to be installed during construction to control the pollutants in storm water discharges that will occur after construction has been completed are : **N/A**

## C. Other Control Measures

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

### 2. Waste Materials

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

### 3. Hazardous Waste

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

### 4. Spill Prevention

## KyTC BMP Plan for Project CID ## - #####

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

### ➤ **Good Housekeeping:**

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

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

### ➤ **Hazardous Products:**

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

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

**The following product-specific practices will be followed onsite:**

### ➤ **Petroleum Products:**

Vehicles and equipment that are fueled and maintained on site will be monitored for leaks, and receive regular preventative maintenance to reduce the chance of

## KyTC BMP Plan for Project CID ## - #####

leakage. Petroleum products onsite will be stored in tightly sealed containers, which are clearly labeled and will be protected from exposure to weather.

The contractor shall prepare an Oil Pollution Spill Prevention Control and Countermeasure plan when the project that involves the storage of petroleum products in 55 gallon or larger containers with a total combined storage capacity of 1,320 gallons. This is a requirement of 40 CFR 112.

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

### ➤ **Fertilizers:**

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

### ➤ **Paints:**

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

### ➤ **Concrete Truck Washout:**

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

### ➤ **Spill Control Practices**

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

- Manufacturers' recommended methods for spill cleanup will be clearly posted. All personnel will be made aware of procedures and the location of the information and cleanup supplies.

## KyTC BMP Plan for Project CID ## - #####

- Materials and equipment necessary for spill cleanup will be kept in the material storage area. Equipment and materials will include as appropriate, brooms, dust pans, mops, rags, gloves, oil absorbents, sand, sawdust, and plastic and metal trash containers.
- All spills will be cleaned up immediately after discovery.
- The spill area will be kept well ventilated and personnel will wear appropriate protective clothing to prevent injury from contact with a hazardous substance.
- Spills of toxic or hazardous material will be reported to the appropriate state/local agency as required by KRS 224 and applicable federal law.
- The spill prevention plan will be adjusted as needed to prevent spills from reoccurring and improve spill response and cleanup.
- Spills of products will be cleaned up promptly. Wastes from spill clean up will be disposed in accordance with appropriate regulations.

### **D. Other State and Local Plans**

This BMP plan shall include any requirements specified in sediment and erosion control plans, storm water management plans or permits that have been approved by other state or local officials. Upon submittal of the NOI, other requirements for surface water protection are incorporated by reference into and are enforceable under this permit (even if they are not specifically included in this BMP plan). This provision does not apply to master or comprehensive plans, non-enforceable guidelines or technical guidance documents that are not identified in a specific plan or permit issued for the construction site by state or local officials. (1)

## KyTC BMP Plan for Project CID ## - #####

### E. Maintenance

1. The BMP plan shall include a clear description of the maintenance procedures necessary to keep the control measures in good and effective operating condition.
- Maintenance of BMPs during construction shall be a result of weekly and post rain event inspections with action being taken by the contractor to correct deficiencies.
  - Post Construction maintenance will be a function of normal highway maintenance operations. Following final project acceptance by the cabinet, district highway crews will be responsible for identification and correction of deficiencies regarding ground cover and cleaning of storm water BMPs. The project manager shall identify any BMPs that will be for the purpose of post construction storm water management with specific guidance for any non-routine maintenance. (1)

### F. Inspections

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

- All erosion prevention and sediment control measures will be inspected at least once each week and following any rain of one-half inch or more.
- Inspections will be conducted by individuals that have successfully completed the KEPSC-RI course as required by Section 213.02.02 of the Standard Specifications for Road and Bridge Construction, current edition.
- Inspection reports will be written, signed, dated, and kept on file.
- Areas at final grade will be seeded and mulched within 14 days.
- Areas that are not at final grade where construction has ceased for a period of 21 days or longer and soil stock piles shall receive temporary mulch no later than 14 days from the last construction activity in that area.
- All measures will be maintained in good working order; if a repair is necessary, it will be initiated within 24 hours of being reported.
- Built-up sediment will be removed from behind the silt fence before it has reached halfway up the height of the fence.
- Silt fences will be inspected for bypassing, overtopping, undercutting, depth of sediment, tears, and to ensure attachment to secure posts.

## KyTC BMP Plan for Project CID ## - #####

- Sediment basins will be inspected for depth of sediment, and built-up sediment will be removed when it reaches 50 percent of the design capacity and at the end of the job.
- Diversion dikes and berms will be inspected and any breaches promptly repaired. Areas that are eroding or scouring will be repaired and re-seeded / mulched as needed.
- Temporary and permanent seeding and mulching will be inspected for bare spots, washouts, and healthy growth. Bare or eroded areas will be repaired as needed.
- All material storage and equipment servicing areas that involve the management of bulk liquids, fuels, and bulk solids will be inspected weekly for conditions that represent a release or possible release of pollutants to the environment.

### **G. Non – Storm Water discharges**

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

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

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

### **H. Groundwater Protection Plan (3)**

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

- Contractors statement: (3)

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

KyTC BMP Plan for Project CID ## - #####

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

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

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

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

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

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

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

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

The contractor is responsible for the preparation of a plan that addresses the

401 KAR 5:037 Section 3. (3) Elements of site specific groundwater protection plan:

- (a) General information about this project is covered in the Project information;
- (b) Activities that require a groundwater protection plan have been identified above;
- (c) Practices that will protect groundwater from pollution are addressed in section C. Other control measures.
- (d) Implementation schedule – all practices required to prevent pollution of groundwater are to be in place prior to conducting the activity;
- (e) Training is required as a part of the ground water protection plan. All employees of the contractor, sub-contractor and resident engineer personnel will be trained to understand the nature and requirements of this plan as they pertain to their job

## KyTC BMP Plan for Project CID ## - #####

function(s). Training will be accomplished within one week of employment and annually thereafter. A record of training will be maintained by the contractor with a copy provide to the resident engineer.

- (f) Areas of the project and groundwater plan activities will be inspected as part of the weekly sediment and erosion control inspections
- (g) Certification (see signature page.)



## Contractor and Resident Engineer Plan certification

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

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

## Resident Engineer and Contractor Certification:

(2) Resident Engineer signature

(3) Signed \_\_\_\_\_ title \_\_\_\_\_,  
 Typed or printed name<sup>1</sup> \_\_\_\_\_ signature \_\_\_\_\_

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

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

KyTC BMP Plan for Project CID ## - #####

Sub-Contractor Certification

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

Subcontractor

Name:  
Address:  
Address:

Phone:

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

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

Signed \_\_\_\_\_ title \_\_\_\_\_, \_\_\_\_\_  
Typed or printed name<sup>1</sup> signature

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

KENTUCKY TRANSPORTATION CABINET  
COMMUNICATING ALL PROMISES (CAP)

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Item No.    6 - 80220                      County:   Campbell                      Route:   709                      Project Manager:   MIKE BEZOLD

3/31/25

CAP #	Date of Promise	Promise made to:	Location of Promise:	CAP Description

**PART II**

**SPECIFICATIONS AND STANDARD DRAWINGS**

### **STANDARD SPECIFICATIONS**

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

### **SUPPLEMENTAL SPECIFICATIONS**

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

## **SPECIAL NOTE FOR 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/***() FT/	/SPEED/LIMIT/**MPH/
/MAX/SPEED/**MPH/	/BUMP/AHEAD/
/SURVEY/PARTY/AHEAD/	/TWO/WAY/TRAFFIC/

\*Insert numerals as directed by the Engineer.  
Add other messages during the project when required by the Engineer.

2.3 Power.

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

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

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

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

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

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

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

**5.0 PAYMENT.** The Department will pay for the Variable Message Signs at the unit price each. The Department will not pay for signs replaced due to damage or rejection. Payment is full compensation for furnishing all materials, labor, equipment, and service necessary to, operate, move, repair, and maintain or replace the variable message signs. The Department will make payment for the completed and accepted quantities under the following:

<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
02671	Portable Changeable Message Sign	Each

Effective June 15, 2012



SPECIAL NOTE FOR BARCODE LABEL ON PERMANENT SIGNS

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

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

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

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

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

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

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

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

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

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

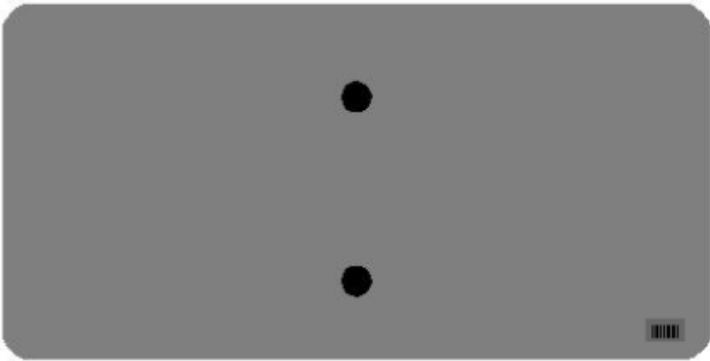
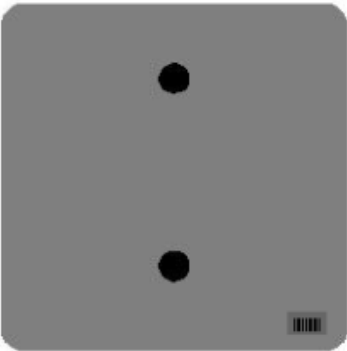
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24631EC	Barcode Sign Inventory	Each

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

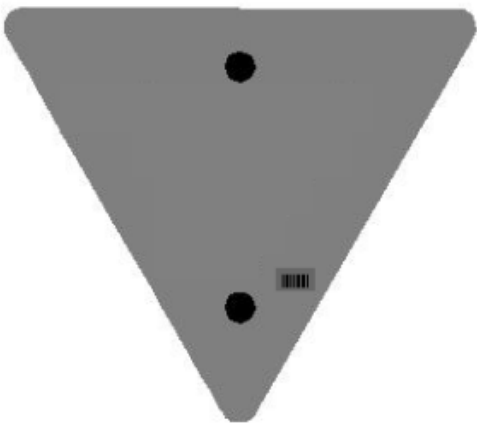
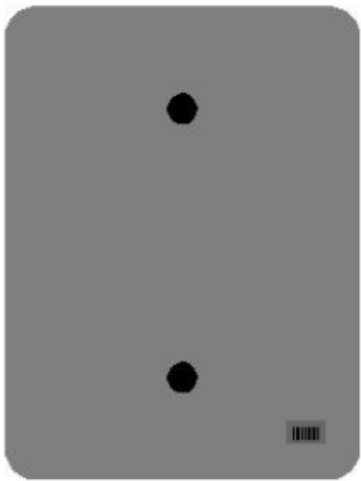
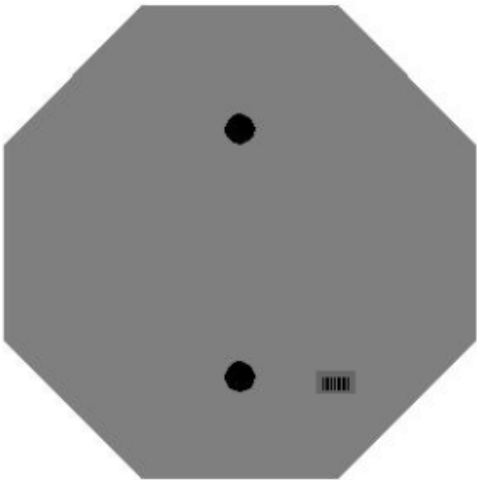
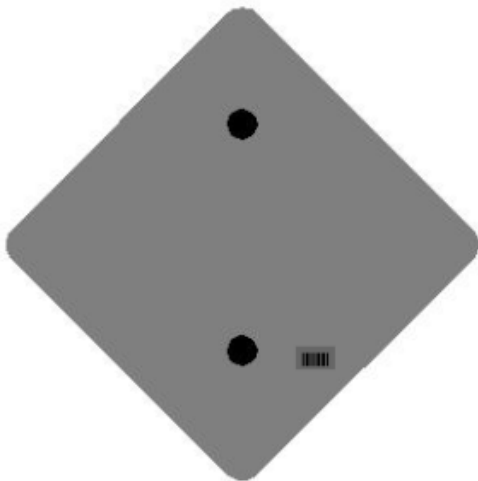
One Sign Post



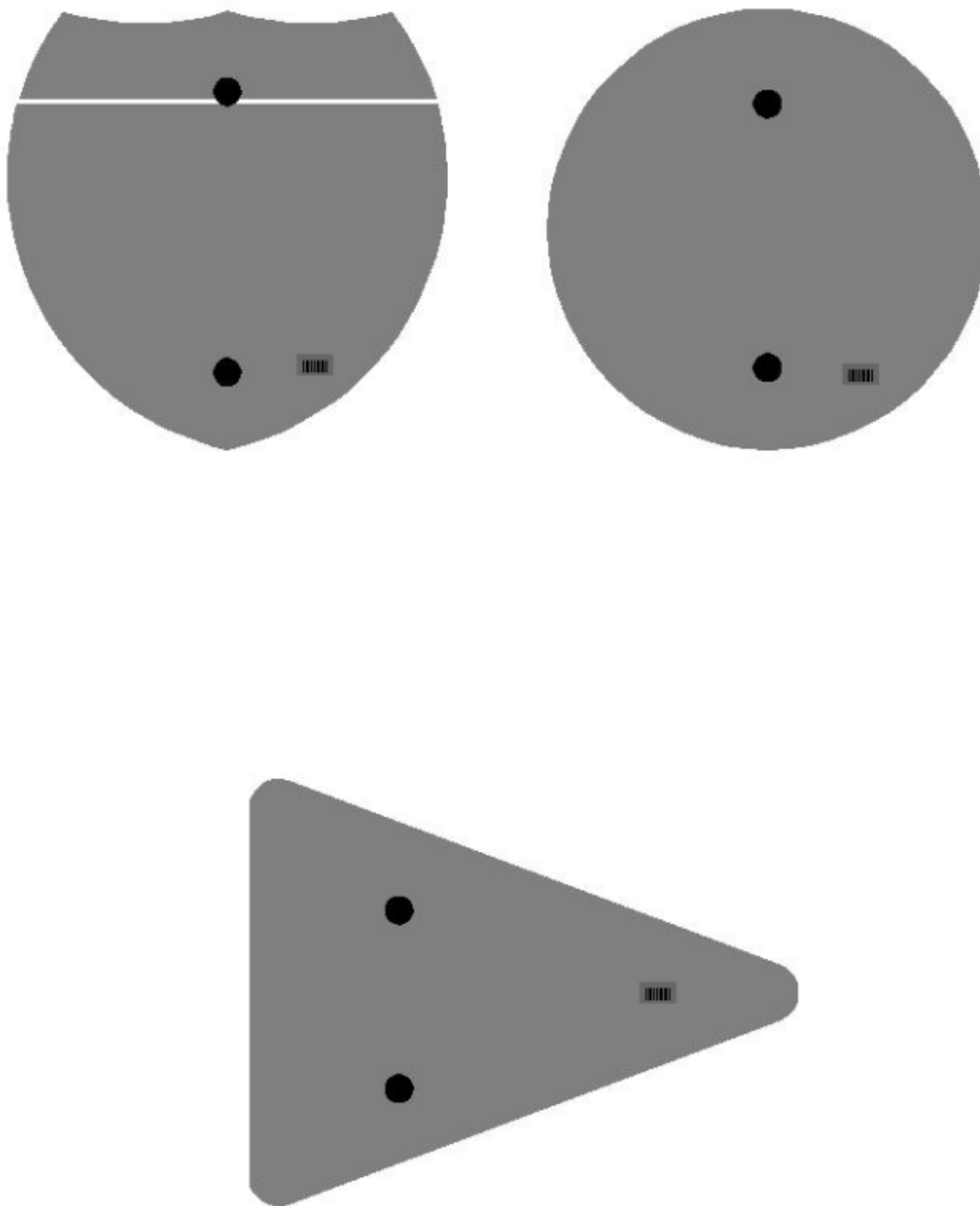
↑  
2" Wide Post



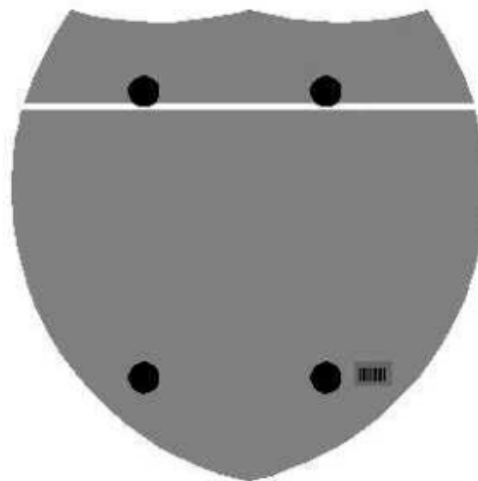
One Sign Post



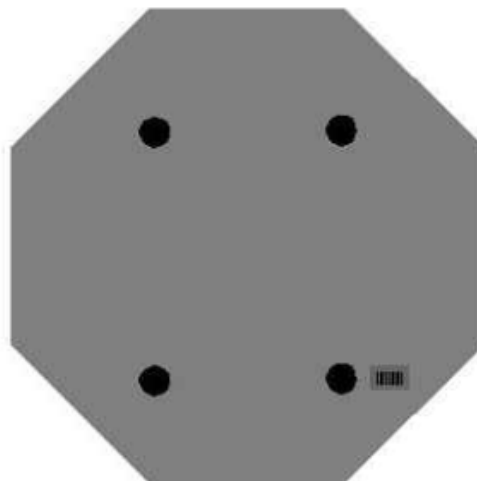
### One Sign Post



## Double Sign Post

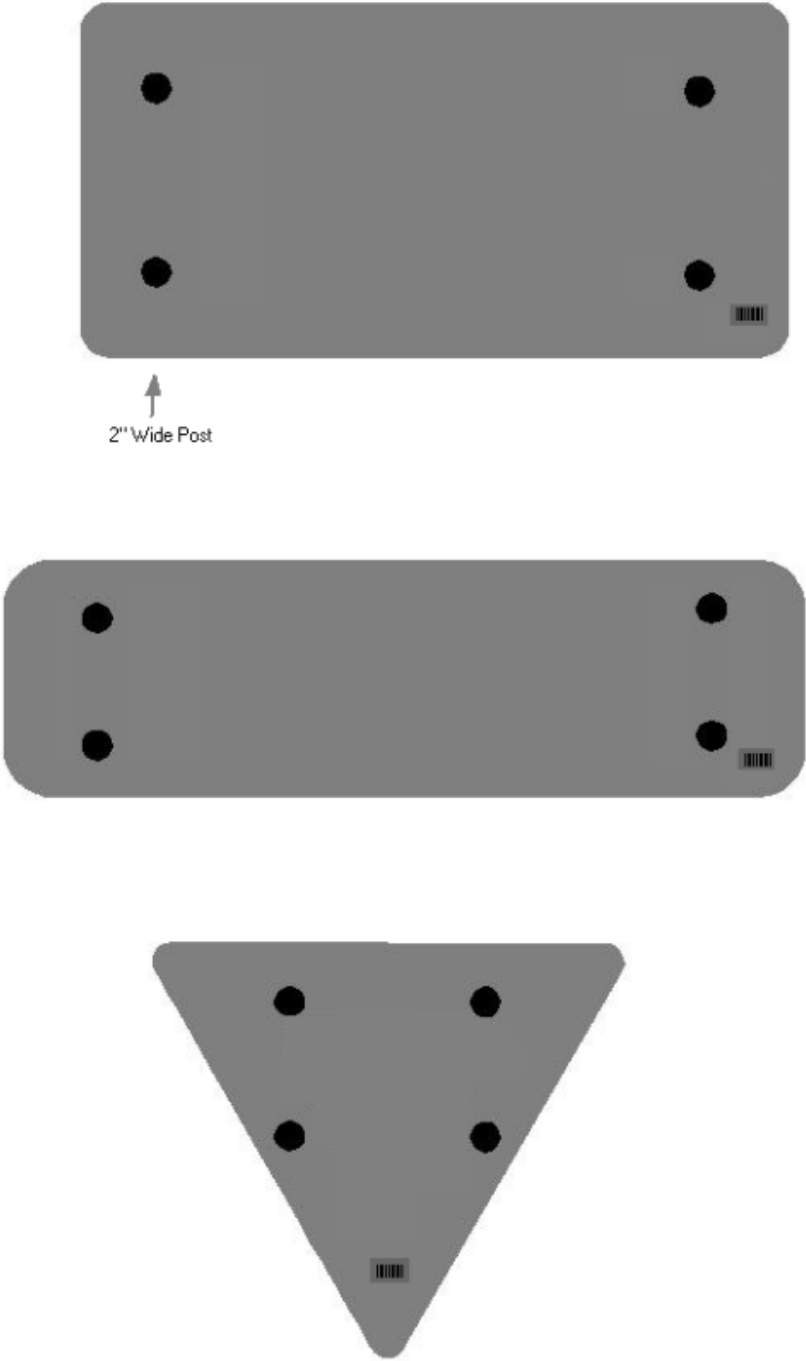


Interstate  
Shield



48" Stop

2 Post Signs



**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.

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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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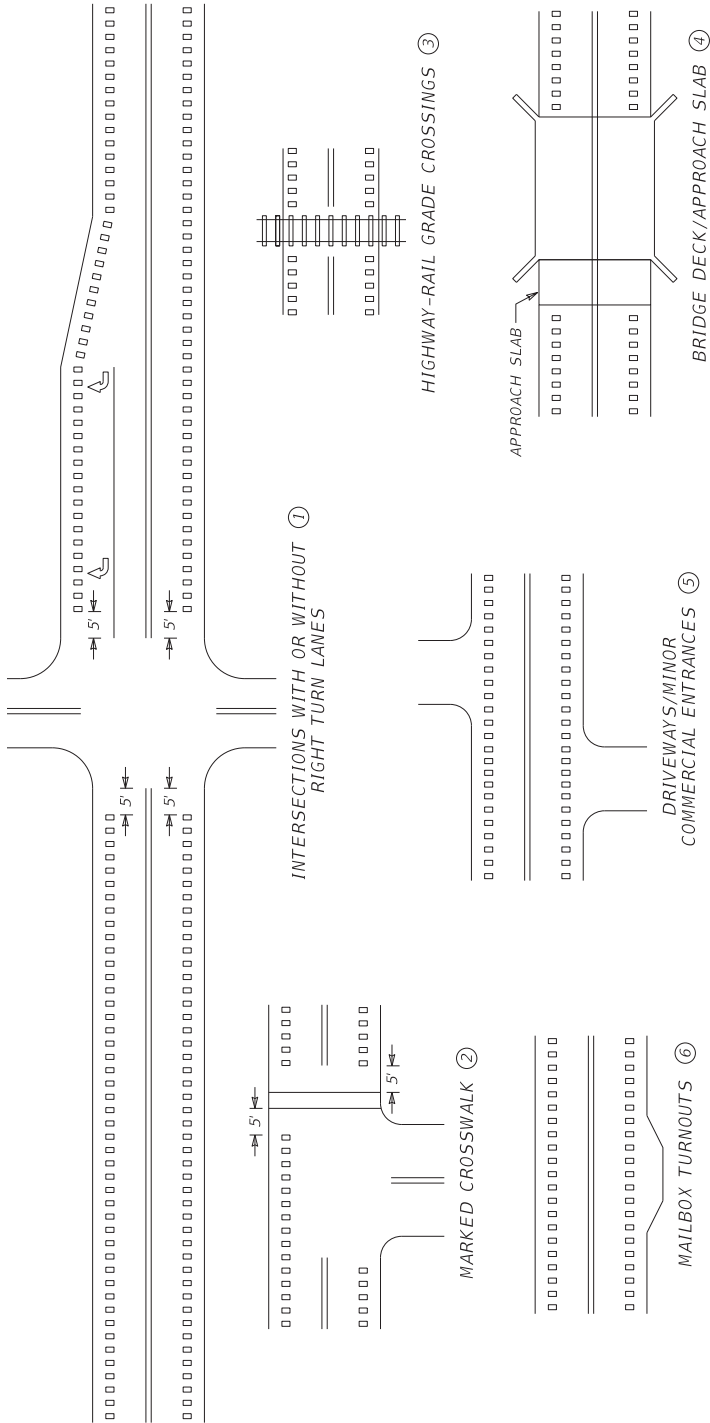
Pavement Joint Adhesive Price Adjustment Schedule						
Test	Specification	100% Pay	90% Pay	80% Pay	50% Pay	0% Pay
Joint Adhesive Referenced in Subsection 2.1.1						
Viscosity, 400 ° F (Pa•s)			3.0-3.4	2.5-2.9	2.0-2.4	≤1.9
ASTM D 3236	4.0-10.0	3.5-10.5	10.6-11.0	11.1-11.5	11.6-12.0	≥ 12.1
Cone Penetration, 77 ° F			54-56	51-53	48-50	≤ 47
ASTM D 5329	60-100	57-103	104-106	107-109	110-112	≥ 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



~ NOTES ~

① EDGELINE RUMBLE STRIPS SHALL BE OMITTED THROUGH MAJOR INTERSECTIONS WITH OR WITHOUT RIGHT-TURN LANES. OMIT EDGELINE RUMBLE STRIPS APPROXIMATELY 5' IN ADVANCE OF THE AREA WHERE EDGELINE PAVEMENT MARKINGS HAVE BEEN OMITTED (NORMALLY WHERE THE SIDE STREET RADIUS INTERSECTS THE MAINLINE).

② EDGELINE RUMBLE STRIPS SHALL NOT BE INSTALLED THROUGH MARKED CROSSWALKS. OMIT EDGELINE RUMBLE STRIPS APPROXIMATELY 5 FT IN ADVANCE OF MARKED CROSSWALKS.

③ EDGELINE RUMBLE STRIPS SHALL NOT BE INSTALLED ACROSS HIGHWAY-RAIL GRADE CROSSINGS.

④ EDGELINE RUMBLE STRIPS SHALL NOT BE INSTALLED ON BRIDGE DECKS OR APPROACH SLABS.

⑤ EDGELINE RUMBLE STRIPS SHALL BE INSTALLED THROUGH DRIVEWAYS & MINOR COMMERCIAL ENTRANCES.

⑥ EDGELINE RUMBLE STRIPS SHALL BE INSTALLED THROUGH MAILBOX TURNOUTS.

7. EDGELINE RUMBLE STRIPS SHOULD BE OMITTED WHERE THE POSTED SPEED LIMIT IS 45 MPH OR LESS.

DRAWING NOT TO SCALE

USE WITH CUR. STD. DWGS.  
TPR-120, TPR-125, AND  
TPR-130

SUBMITTED *[Signature]* 08-21-2023  
DIVISION DIRECTOR DATE

BID ITEMS AND UNIT TO BID  
EDGELINE RUMBLE STRIPS  
LF

## **PART III**

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

**TRANSPORTATION CABINET  
DEPARTMENT OF HIGHWAYS**

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

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

**I. APPLICATION**

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

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

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

3. If the contractor is in control of apprenticeship or other training or retraining, including on-the-job training programs, he shall not discriminate against an individual because of his race, color, religion, national origin, sex, disability or age forty (40) and over, in admission to, or employment in any program established to provide apprenticeship or other training.

4. The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment. The contractor will take such action with respect to any subcontract or purchase order as the administering agency may direct as a means of enforcing such provisions, including sanctions for non-compliance.

Revised: January 25, 2017

**II. NONDISCRIMINATION OF EMPLOYEES**

**AN ACT OF THE KENTUCKY  
GENERAL ASSEMBLY TO PREVENT  
DISCRIMINATION IN EMPLOYMENT  
KRS CHAPTER 344  
EFFECTIVE JUNE 16, 1972**

The contract on this project, in accordance with KRS Chapter 344, provides that during the performance of this contract, the contractor agrees as follows:

1. The contractor shall not fail or refuse to hire, or shall not discharge any individual, or otherwise discriminate against an individual with respect to his compensation, terms, conditions, or privileges of employment, because of such individual's race, color, religion, national origin, sex, disability or age (forty and above); or limit, segregate, or classify his employees in any way which would deprive or tend to deprive an individual of employment opportunities or otherwise adversely affect his status as an employee, because of such individual's race, color, religion, national origin, sex, disability or age forty (40) and over. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided setting forth the provisions of this nondiscrimination clause.

2. The contractor shall not print or publish or cause to be printed or published a notice or advertisement relating to employment by such an employer or membership in or any classification or referral for employment by the employment agency, indicating any preference, limitation, specification, or discrimination, based on race, color, religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, except that such a notice or advertisement may indicate a preference, limitation, or specification based on religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, when religion, national origin, sex, or age forty (40) and over, or because the person is a qualified individual with a disability, is a bona fide occupational qualification for employment.

## EXECUTIVE BRANCH CODE OF ETHICS

The Executive Branch Code of Ethics created by Kentucky Revised Statutes (KRS) Chapter 11A, effective July 14, 1992, establishes the ethical standards that govern the conduct of all executive branch employees. The Executive Branch Code of Ethics, which states, in part:

KRS 11A.040 (7) provides:

A present or former public servant listed in KRS 11A.010(9)(a) to (g) shall not, within one (1) year following termination of his or her 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 one (1) year, he or she personally refrains from working on any matter in which he was directly involved during the last thirty-six (36) months of his or her 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 to obtain private benefits.

If you have worked for the executive branch of state government within the past year, 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 105, Frankfort, Kentucky 40601; telephone (502) 564-7954.

Revised: March 11, 2025

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

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

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

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

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

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

# EMPLOYEE RIGHTS UNDER THE FAIR LABOR STANDARDS ACT

THE UNITED STATES DEPARTMENT OF LABOR WAGE AND HOUR DIVISION

## FEDERAL MINIMUM WAGE

**\$7.25** PER HOUR

BEGINNING JULY 24, 2009

- OVERTIME PAY

At least 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**

**BID ITEMS**



251901

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	1,146.00	TON		\$	
0020	00005		GEOGRID REINFORCEMENT FOR SUBGRADE	1,661.00	SQYD		\$	
0030	00100		ASPHALT SEAL AGGREGATE	1.80	TON		\$	
0040	00103		ASPHALT SEAL COAT	0.20	TON		\$	
0050	00217		CL4 ASPH BASE 1.00D PG64-22	204.00	TON		\$	
0060	00219		CL4 ASPH BASE 1.00D PG76-22	209.00	TON		\$	
0070	00342		CL4 ASPH SURF 0.38A PG76-22	78.00	TON		\$	
0080	00356		ASPHALT MATERIAL FOR TACK	0.80	TON		\$	
0090	02071		JPC PAVEMENT-11 IN	677.00	SQYD		\$	
0100	02602		FABRIC-GEOTEXTILE CLASS 1	1,661.00	SQYD		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0110	02014		BARRICADE-TYPE III	3.00	EACH		\$	
0120	02200		ROADWAY EXCAVATION	919.00	CUYD		\$	
0130	02351		GUARDRAIL-STEEL W BEAM-S FACE	12.50	LF		\$	
0140	02367		GUARDRAIL END TREATMENT TYPE 1	1.00	EACH		\$	
0150	02381		REMOVE GUARDRAIL	200.00	LF		\$	
0160	02562		TEMPORARY SIGNS	185.00	SQFT		\$	
0170	02585		EDGE KEY	16.00	LF		\$	
0180	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0190	02671		PORTABLE CHANGEABLE MESSAGE SIGN	4.00	EACH		\$	
0200	02690		SAFELOADING	2.00	CUYD		\$	
0210	02697		EDGE LINE RUMBLE STRIPS	325.00	LF		\$	
0220	02701		TEMP SILT FENCE	491.00	LF		\$	
0230	05950		EROSION CONTROL BLANKET	321.00	SQYD		\$	
0240	05985		SEEDING AND PROTECTION	576.00	SQYD		\$	
0250	06515		PAVE STRIPING-PERM PAINT-6 IN	565.00	LF		\$	
0260	06542		PAVE STRIPING-THERMO-6 IN W	765.00	LF		\$	
0270	06568		PAVE MARKING-THERMO STOP BAR-24IN	39.00	LF		\$	
0280	06574		PAVE MARKING-THERMO CURV ARROW	7.00	EACH		\$	
0290	15093		S MANHOLE ABANDON/REMOVE	1.00	EACH		\$	
0300	20071EC		JOINT ADHESIVE	595.00	LF		\$	
0310	21289ED		LONGITUDINAL EDGE KEY	595.00	LF		\$	
0320	24969ED		LONGITUDINAL SAW CUT	595.00	LF		\$	
0330	26248EC		ELECTRONIC DELIVERY MGMT SYSTEM - AGG	1.00	LS		\$	

Section: 0003 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
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Report Date 5/27/25

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0340	06406		SBM ALUM SHEET SIGNS .080 IN	52.00	SQFT		\$	
0350	06410		STEEL POST TYPE 1	36.00	LF		\$	
0360	24631EC		BARCODE SIGN INVENTORY	10.00	EACH		\$	

Section: 0004 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0370	04793		CONDUIT-1 1/4 IN	440.00	LF		\$	
0380	04820		TRENCHING AND BACKFILLING	500.00	LF		\$	
0390	04844		CABLE-NO. 14/5C	440.00	LF		\$	
0400	04845		CABLE-NO. 14/7C	1,610.00	LF		\$	
0410	04886		MESSENGER-15400 LB	650.00	LF		\$	
0420	04932		INSTALL STEEL STRAIN POLE	4.00	EACH		\$	
0430	04953		TEMP RELOCATION OF SIGNAL HEAD	18.00	EACH		\$	
0440	06472		INSTALL SPAN MOUNTED SIGN	3.00	EACH		\$	
0450	20188NS835		INSTALL LED SIGNAL-3 SECTION	9.00	EACH		\$	
0460	20189NS835		INSTALL LED SIGNAL-5 SECTION	1.00	EACH		\$	
0470	20266ES835		INSTALL LED SIGNAL- 4 SECTION	2.00	EACH		\$	
0480	23068NN		REMOVE & REINSTALL COORDINATING UNIT	1.00	EACH		\$	
0490	23157EN		TRAFFIC SIGNAL POLE BASE	36.00	CUYD		\$	
0500	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	60.00	LF		\$	
0510	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	1.00	EACH		\$	
0520	24955ED		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	
0530	26119EC		INSTALL RADAR PRESENCE DETECTOR TYPE A	4.00	EACH		\$	

Section: 0005 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0540	02569		DEMOBILIZATION	1.00	LS		\$	