



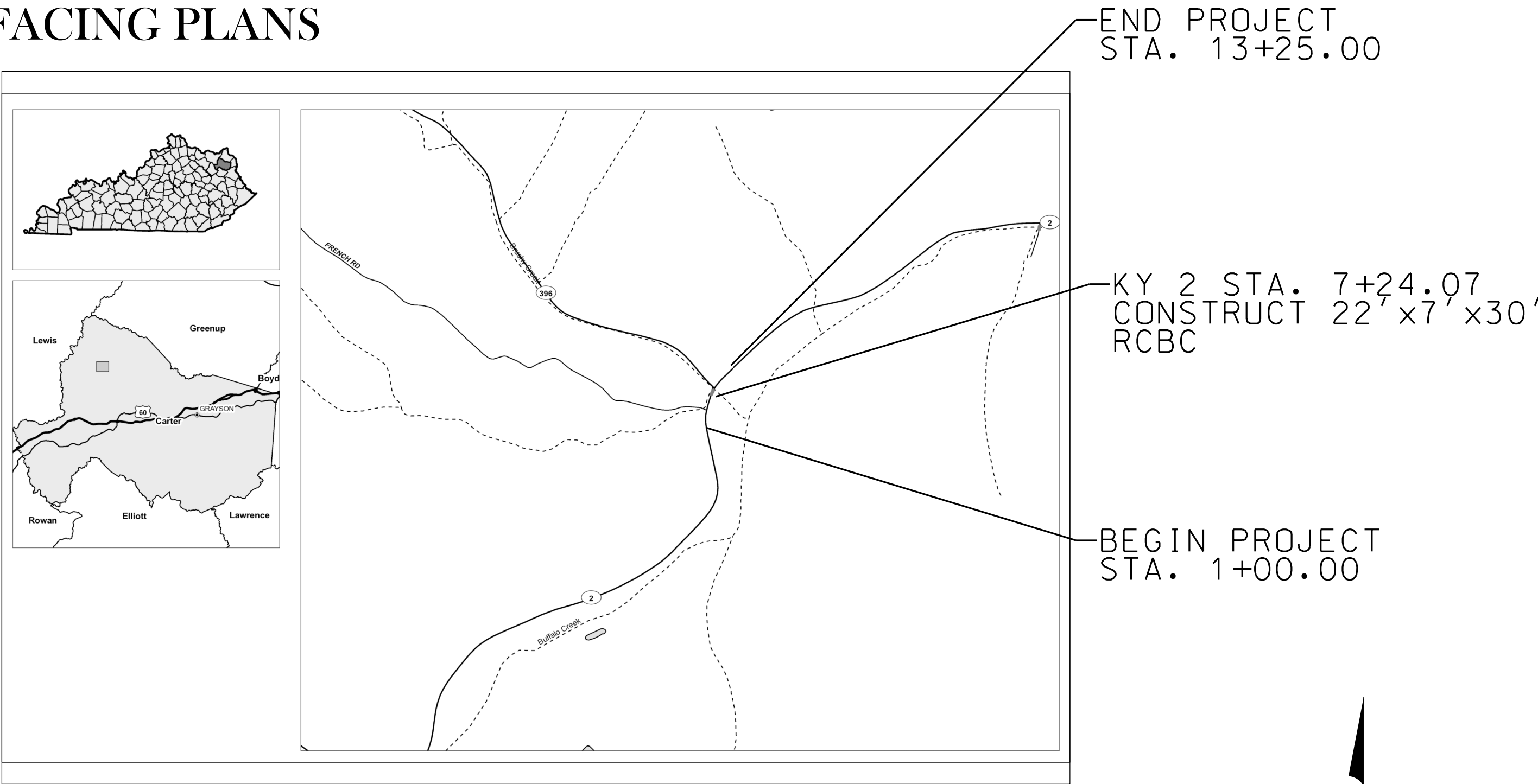
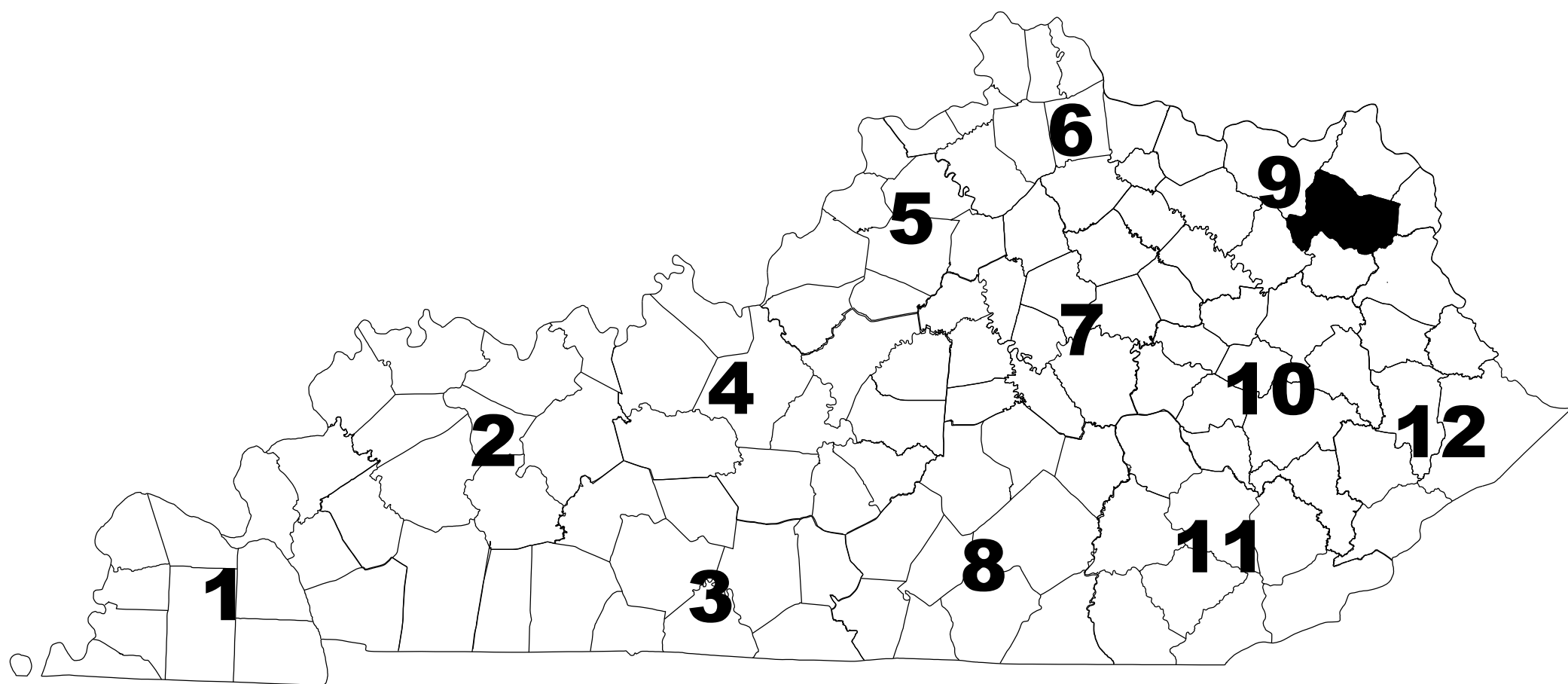
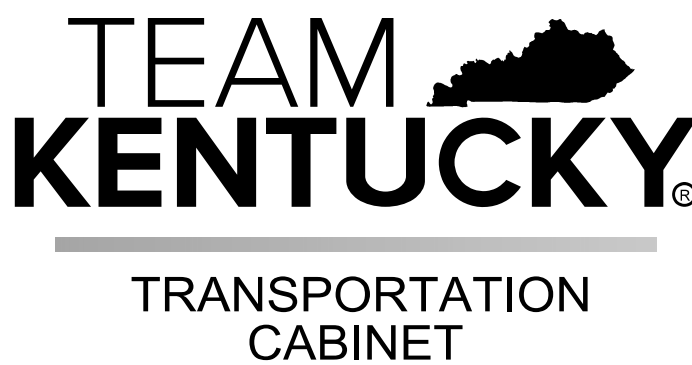
COMMONWEALTH OF KENTUCKY

DEPARTMENT OF HIGHWAYS

PLANS OF PROPOSED PROJECT CARTER County

BRIDGE REPLACEMENT OVER BRUSHY CREEK (KY 2)

GRADE, DRAIN, AND SURFACING PLANS FBP 5239(023)



LAYOUT MAP

DESIGN CRITERIA

CLASS OF HIGHWAY RURAL MAJOR COLLECTOR
TYPE OF TERRAIN ROLLING
DESIGN SPEED 45 MPH
REQUIRED NPSD 360'
REQUIRED PSD _____
LEVEL OF SERVICE _____
ADT PRESENT (2020) 735
ADT FUTURE () _____
DHV _____
D % _____
T % 7.75

GEOGRAPHIC COORDINATES

LATITUDE 38 DEGREES 25 MINUTES 10 SECONDS NORTH
LONGITUDE 83 DEGREES 8 MINUTES 42 SECONDS WEST

DESIGNED

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

INDEX OF SHEETS

R1 LAYOUT SHEET
R2-R2E TYPICAL SECTIONS
R2F-R2H SUMMARY SHEETS
R2I GENERAL NOTES
R3 LEGEND AND UTILITY OWNERS
R4-R6 PLAN AND PROFILE SHEETS
R7 RIGHT OF WAY SUMMARY SHEET
R8 COORDINATE CONTROL SHEET
R9 EROSION CONTROL SHEET
R10 MAINTENANCE OF TRAFFIC NOTES
R11-R13 MAINTENANCE OF TRAFFIC SHEETS
R14 PIPE SHEETS
R15-R17 SITUATIONAL SHEETS
S1-S11 STRUCTURE PLANS (DWG#28965)
U1-U8 UTILITY PLANS (WATERLINE)
X1-X18 CROSS-SECTIONS

STANDARD DRAWINGS

RBI-001-012 RBR-200-00-S RDI-001-010 RDX-225-001
RBI-002-007 RDB-001-012 RDI-020-010 RDX-230-002
RBI-004-006 RDR-020-005 RDI-021-001 RGS-001-007
RBR-001-013 RDB-100-005 RDI-025-006 RGX-001-006
RBR-005-011 RDB-101-005 RDI-026-001 RGX-005-006
RBR-015-006 RDB-105-006 RDX-160-006 RGX-200-001
RBR-016-005 RDB-106-005 RDX-210-003 RPM-110-007
RBR-020-008 RDB-150-002 RDX-215-001
RBR-035-013 RDD-040-005 RDX-220-005

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.

THE CONTROL OF ACCESS ON THIS
PROJECT SHALL BE BY PERMIT

LENGTH <u>1225</u> LIN. FT. <u>0.23</u> MILES ADDED ☐ FOR EQUALITIES <u>X</u> LIN. FT. DEDUCTED ☐ NOT INCLUDED	LENGTH <u>X</u> LIN. FT. <u>X</u> MILES ADDED ☐ FOR EQUALITIES <u>X</u> LIN. FT. DEDUCTED ☐ NOT INCLUDED	LENGTH <u>X</u> LIN. FT. <u>X</u> MILES ADDED ☐ FOR EQUALITIES <u>X</u> LIN. FT. DEDUCTED ☐ NOT INCLUDED	LENGTH <u>X</u> LIN. FT. <u>X</u> MILES ADDED ☐ FOR EQUALITIES <u>X</u> LIN. FT. DEDUCTED ☐ NOT INCLUDED
RAILROAD CROSSINGS NO. <u>X</u> LIN. FT. BRIDGES <u>X</u> LIN. FT. <u>X</u> <u>X</u>	RAILROAD CROSSINGS NO. <u>X</u> LIN. FT. BRIDGES <u>X</u> LIN. FT. <u>X</u> <u>X</u>	RAILROAD CROSSINGS NO. <u>X</u> LIN. FT. BRIDGES <u>X</u> LIN. FT. <u>X</u> <u>X</u>	RAILROAD CROSSINGS NO. <u>X</u> LIN. FT. BRIDGES <u>X</u> LIN. FT. <u>X</u> <u>X</u>

PROJECT NUMBER: 9-40000

FD52 022 0002 011-012

PROJECT DESCRIPTION: BRIDGE REPLACEMENT ON KY-2 OVER BRUSHY CREEK

RECOMMENDED BY: BLAKE JONES, P.E. 6/5/2026
PROJECT MANAGER DATE:

PLAN APPROVED BY: _____ DATE: _____
STATE HIGHWAY ENGINEER

LETTING DATE: JULY 23, 2026

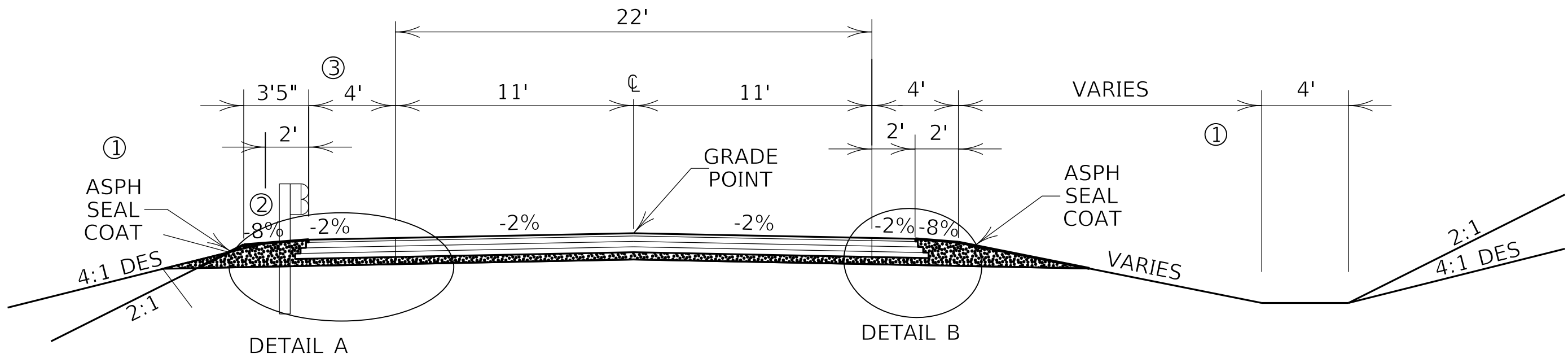
ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. R1

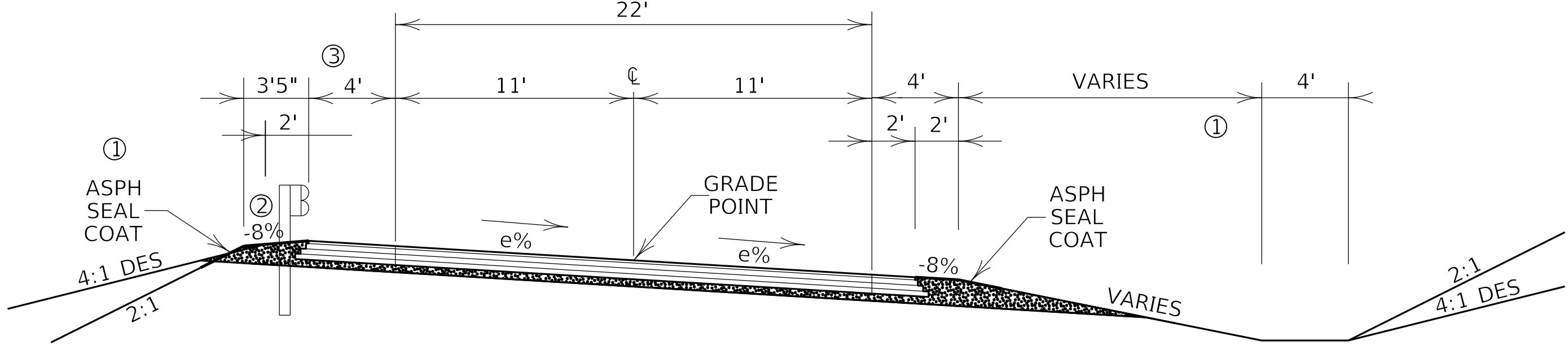
TYPICAL SECTIONS
KY 2 - MAINLINE
STA. 4+30 to 9+05

KY 2
MAINLINE

- ① SEE CROSS SECTIONS FOR INDIVIDUAL SLOPES OUTSIDE THE LIMITS OF SHOULDERS.
- ② EARTH SHOULDERS ARE TO BE WIDENED AN ADDITIONAL 1 FT. 5 IN. WHERE GUARDRAIL IS TO BE CONSTRUCTED.
- ③ PAVED SHOULDERS ARE TO BE WIDENED 2 FT. TO A TOTAL OF 4 FT, WHERE GUARDRAIL IS TO BE CONSTRUCTED.



NORMAL SECTION



SUPERELEVATED SECTION

KY 2 - MAINLINE

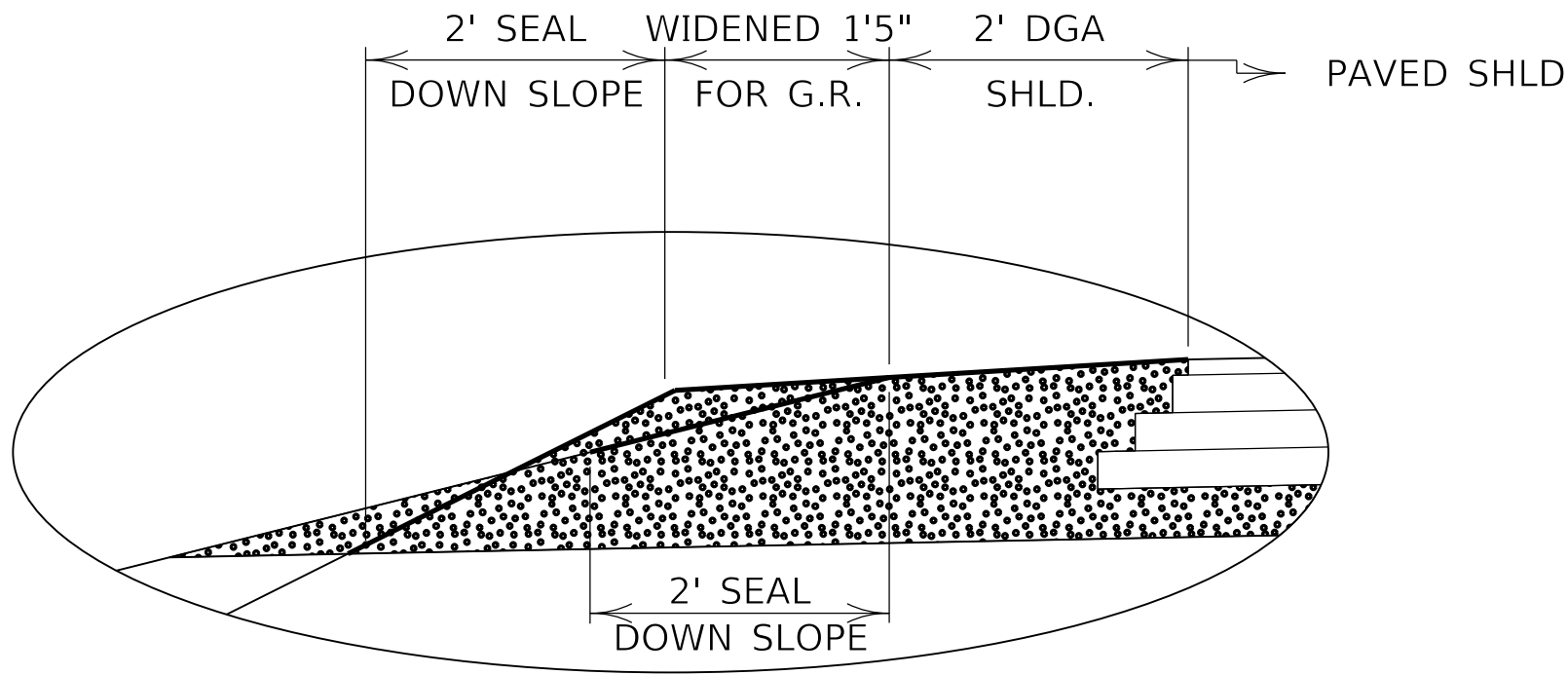
ROADWAY

DGA	4.0 INCH DEPTH
CL2 ASPH BASE 1.00D PG64-22	9.00 INCH DEPTH (3.00"+3.00"+3.00")
CL2 ASPH SURF 0.38D PG64-22	1.50 INCH DEPTH

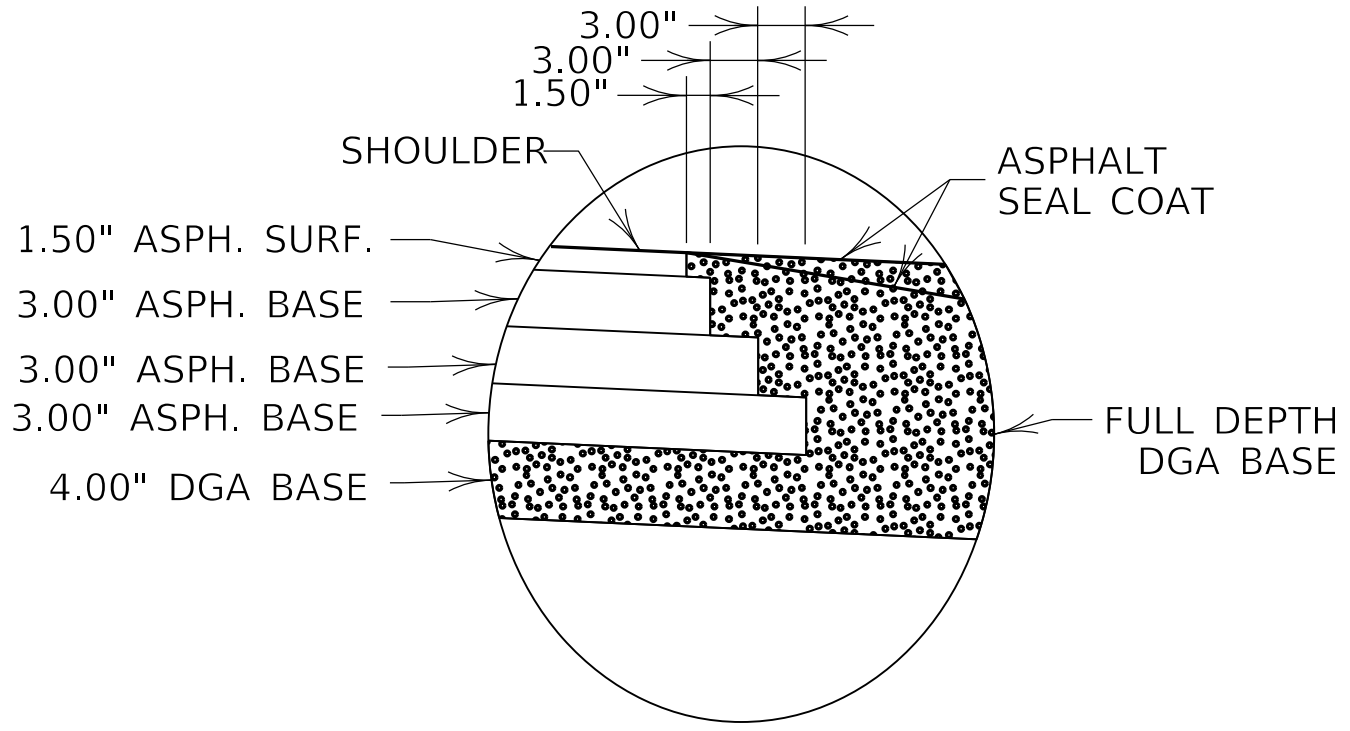
SHOULDERS

DGA	4.0 INCH DEPTH
CL2 ASPH BASE 1.00D PG64-22	9.00 INCH DEPTH (3.00"+3.00"+3.00")
CL2 ASPH SURF 0.38D PG64-22	1.50 INCH DEPTH
AND	
ASPHALT SEAL AGGREGATE	20 LB./S.Y. 2 COURSES
ASPHALT SEAL COAT	2.4 LB./S.Y. 2 COURSES

ASPHALT SEAL FOR SHOULDERS FROM OUTSIDE OF PAVEMENT (ALSO UNDER GUARDRAIL) TO A POINT 2 FT DOWN THE DITCH OR SLOPE (2 APPLICATIONS).



DETAIL A



DETAIL B

DRAWING NOT TO SCALE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: TYPICAL SECTION - MAINLINE FULL DEPTH

ITEM NO. 09-40000.00 COUNTY OF CARTER
SHEET NO. R2

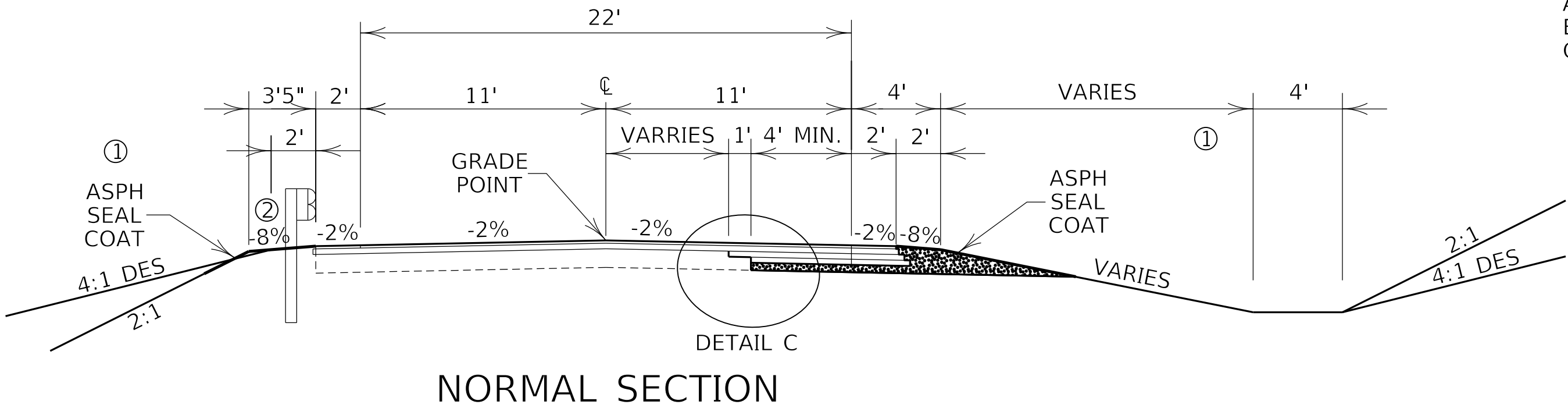
TYPICAL SECTIONS

KY 2 - MAINLINE - PART-WIDTH

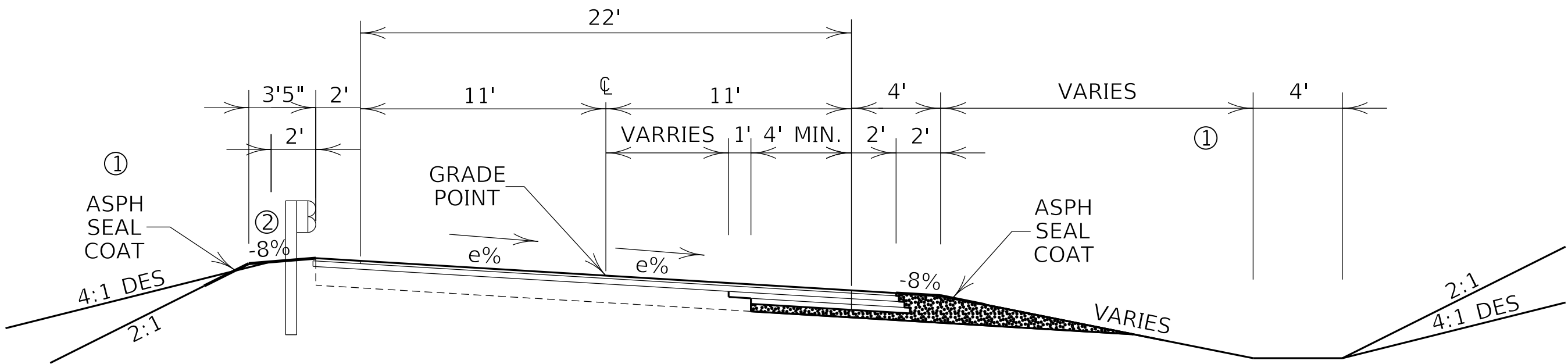
STA. 2+71.41 to 4+30 & 9+05 to 10+57.05

KY 2 MAINLINE
PART-WIDTH

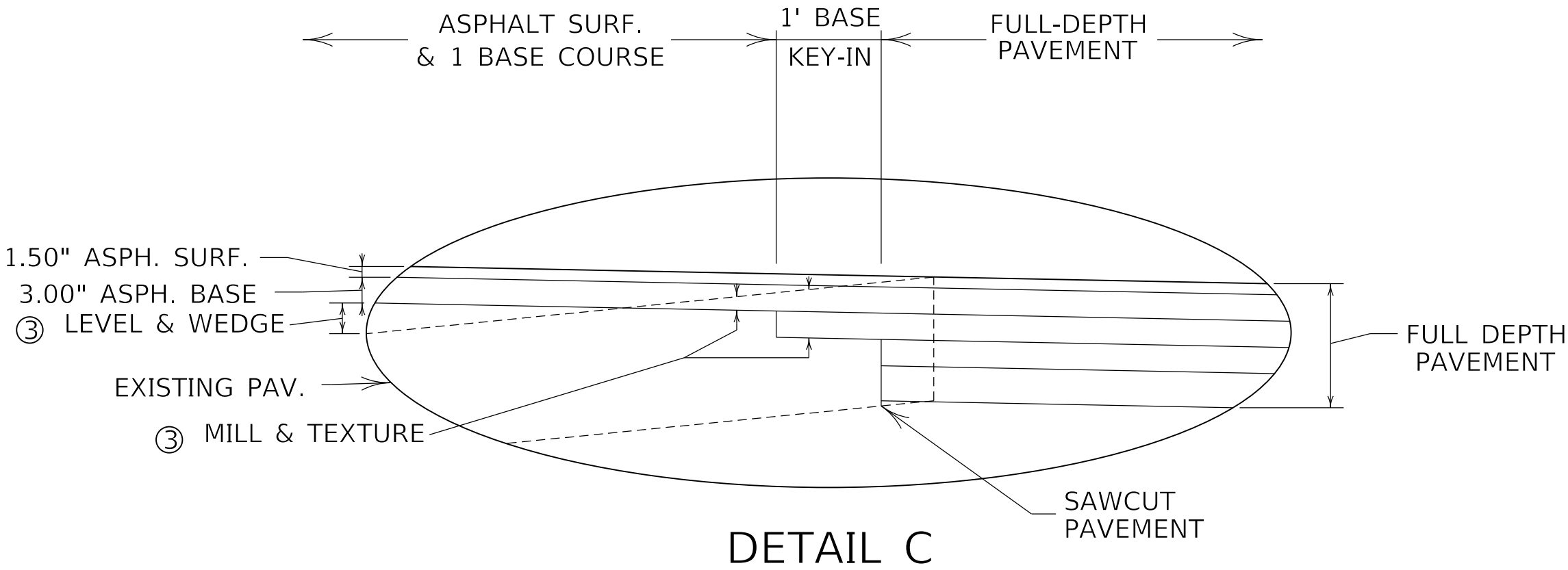
- ① SEE CROSS SECTIONS FOR INDIVIDUAL SLOPES OUTSIDE THE LIMITS OF SHOULDERS.
- ② EARTH SHOULDERS ARE TO BE WIDENED AN ADDITIONAL 1 FT. 5 IN. WHERE GUARDRAIL IS TO CONSTRUCTED.
- ③ LEVEL & WEDGE BETWEEN TOP OF EXISTING PAVEMENT AND BOTTOM OF 1.5" SURFACE COURSE . MILL & TEXTURE EXISTING PAVEMENT ABOVE BOTTOM OF 1.5" SURFACE COURSE. SEE CROSS SECTIONS FOR DETAILS.



NORMAL SECTION



SUPERELEVATED SECTION



DETAIL C

KY 2 - MAINLINE - PART-WIDTH

ROADWAY

DGA	4.0 INCH DEPTH
CL2 ASPH BASE 1.00D PG64-22	9.00 INCH DEPTH (3.00"+3.00"+3.00")
CL2 ASPH SURF 0.38D PG64-22	1.50 INCH DEPTH

SHOULDERS

DGA	4.0 INCH DEPTH
CL2 ASPH BASE 1.00D PG64-22	9.00 INCH DEPTH (3.00"+3.00"+3.00")
CL2 ASPH SURF 0.38D PG64-22	1.50 INCH DEPTH
AND	
ASPHALT SEAL AGGREGATE	20 LB./S.Y. 2 COURSES
ASPHALT SEAL COAT	2.4 LB./S.Y. 2 COURSES

ASPHALT SEAL FOR SHOULDERS FROM OUTSIDE OF PAVEMENT (ALSO UNDER GUARDRAIL) TO A POINT 2 FT DOWN THE DITCH OR SLOPE (2 APPLICATIONS).

DRAWING NOT TO SCALE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



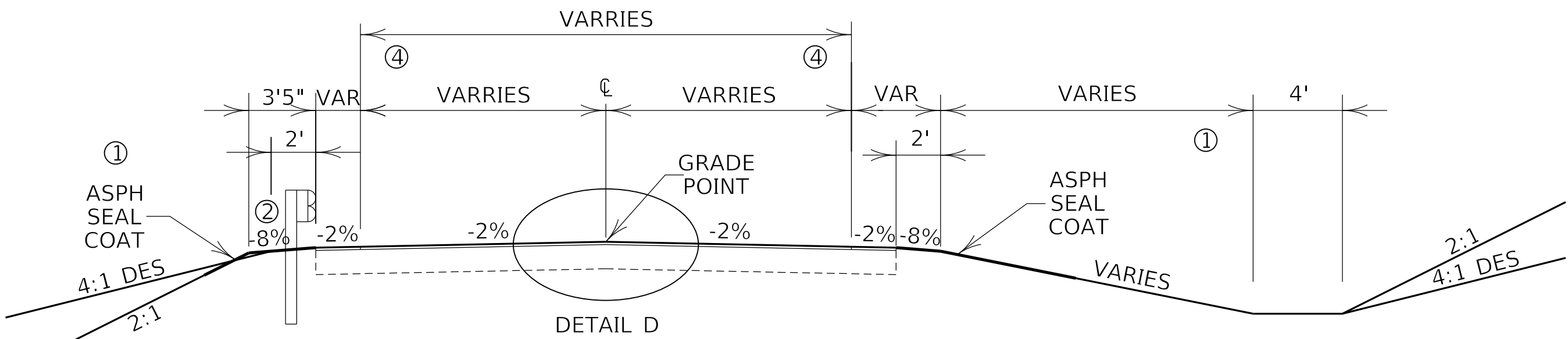
DRAWING TITLE: TYPICAL SECTION - MAINLINE PART-WIDTH

ITEM NO. 09-40000.00 COUNTY OF CARTER

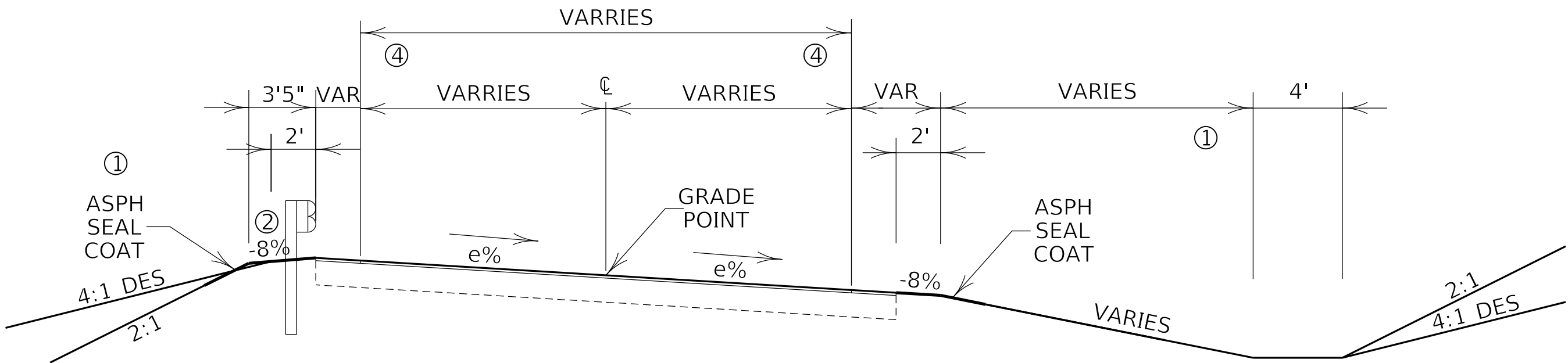
SHEET NO. R2A

TYPICAL SECTIONS
PAVEMENT OVERLAY KY 2 MAINLINE
STA. 1+00 to 2+71.41 & 10+57.05 to 13+25

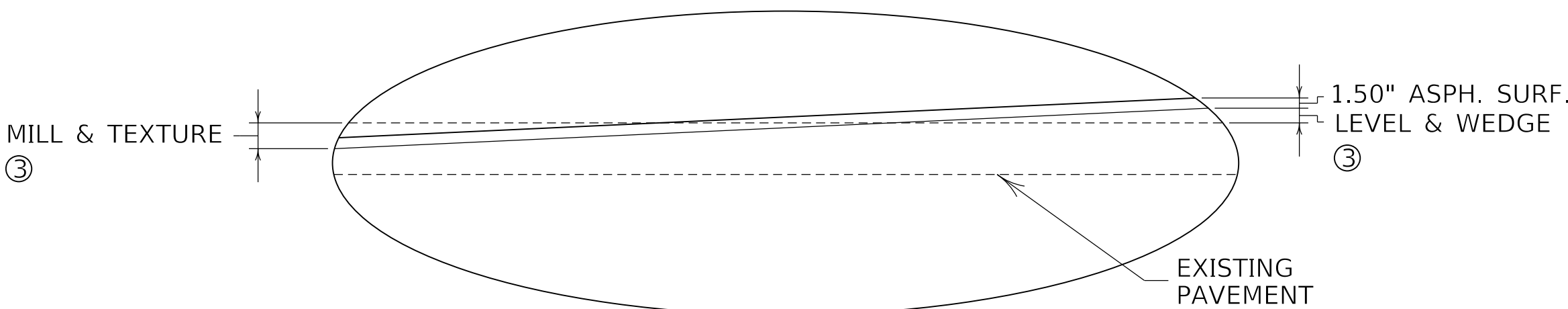
KY 2 MAINLINE
PAVEMENT OVERLAY



NORMAL SECTION



SUPERELEVATED SECTION



DETAIL D

- ① SEE CROSS SECTIONS FOR INDIVIDUAL SLOPES OUTSIDE THE LIMITS OF SHOULDERS.
- ② EARTH SHOULDERS ARE TO BE WIDENED AN ADDITIONAL 1 FT. 5 IN. WHERE GUARDRAIL IS TO CONSTRUCTED.
- ③ LEVEL & WEDGE BETWEEN TOP OF EXISTING PAVEMENT AND BOTTOM OF 1.5" SURFACE COURSE . MILL & TEXTURE EXISTING PAVEMENT ABOVE BOTTOM OF 1.5" SURFACE COURSE. SEE CROSS SECTIONS FOR DETAILS.
- ④ SEE CROSS SECTIONS FOR INDIVIDUAL PAVEMENT AND SHOULDER WIDTHS.

KY 2 - MAINLINE - OVERLAY

ROADWAY

LEVEL & WEDGE
CL2 ASPH SURF 0.38D PG64-22

VARIES
1.50 INCH DEPTH

SHOULDERS

LEVEL & WEDGE
CL2 ASPH SURF 0.38D PG64-22
AND
ASPHALT SEAL AGGREGATE
ASPHALT SEAL COAT

VARIES
1.50 INCH DEPTH
20 LB./S.Y. 2 COURSES
2.4 LB./S.Y. 2 COURSES

ASPHALT SEAL FOR SHOULDERS FROM OUTSIDE OF PAVEMENT (ALSO UNDER GUARDRAIL) TO A POINT 2 FT DOWN THE DITCH OR SLOPE (2 APPLICATIONS).

DRAWING NOT TO SCALE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: TYPICAL SECTION - MAINLINE MILLING & PAVEMENT OVERLAY

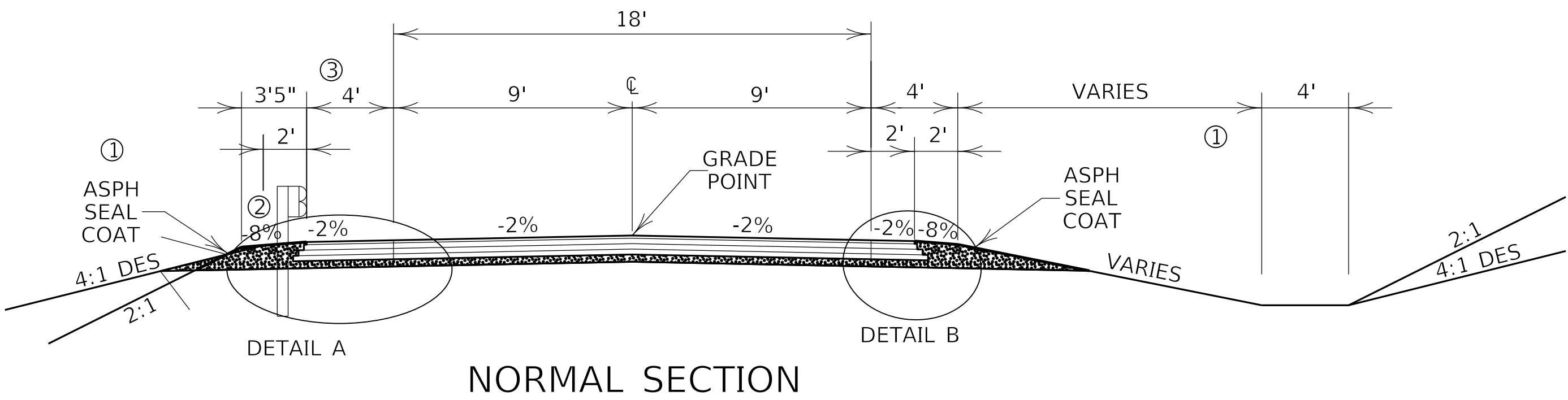
ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. R2B

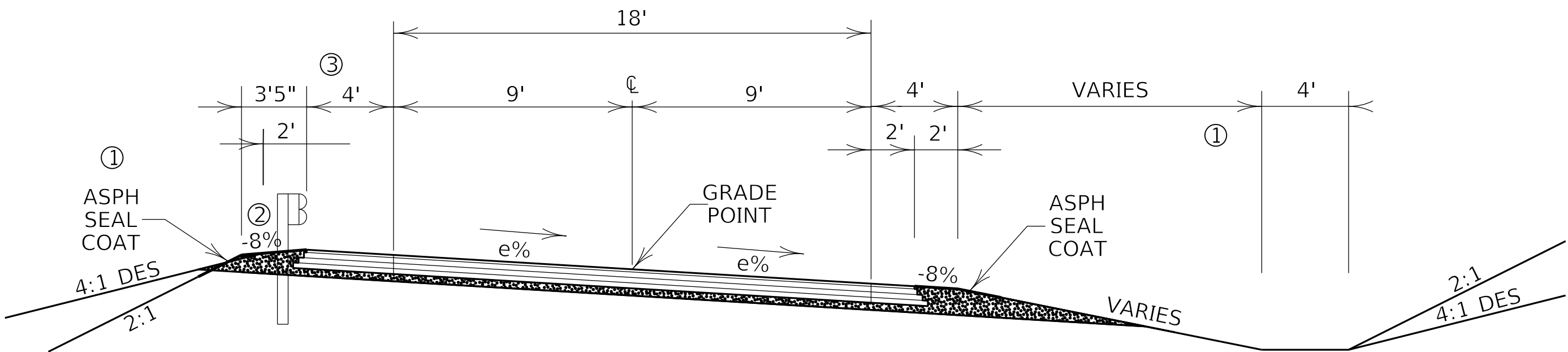
TYPICAL SECTIONS
KY 396 -APPROACH
STA. 0+00 to 1+20

KY 2
MAINLINE

- ① SEE CROSS SECTIONS FOR INDIVIDUAL SLOPES OUTSIDE THE LIMITS OF SHOULDERS.
- ② EARTH SHOULDERS ARE TO BE WIDENED AN ADDITIONAL 1 FT. 5 IN. WHERE GUARDRAIL IS TO BE CONSTRUCTED.
- ③ PAVED SHOULDERS ARE TO BE WIDENED 2 FT, TO A TOTAL OF 4 FT, WHERE GUARDRAIL IS TO BE CONSTRUCTED.



SUPERELEVATED SECTION



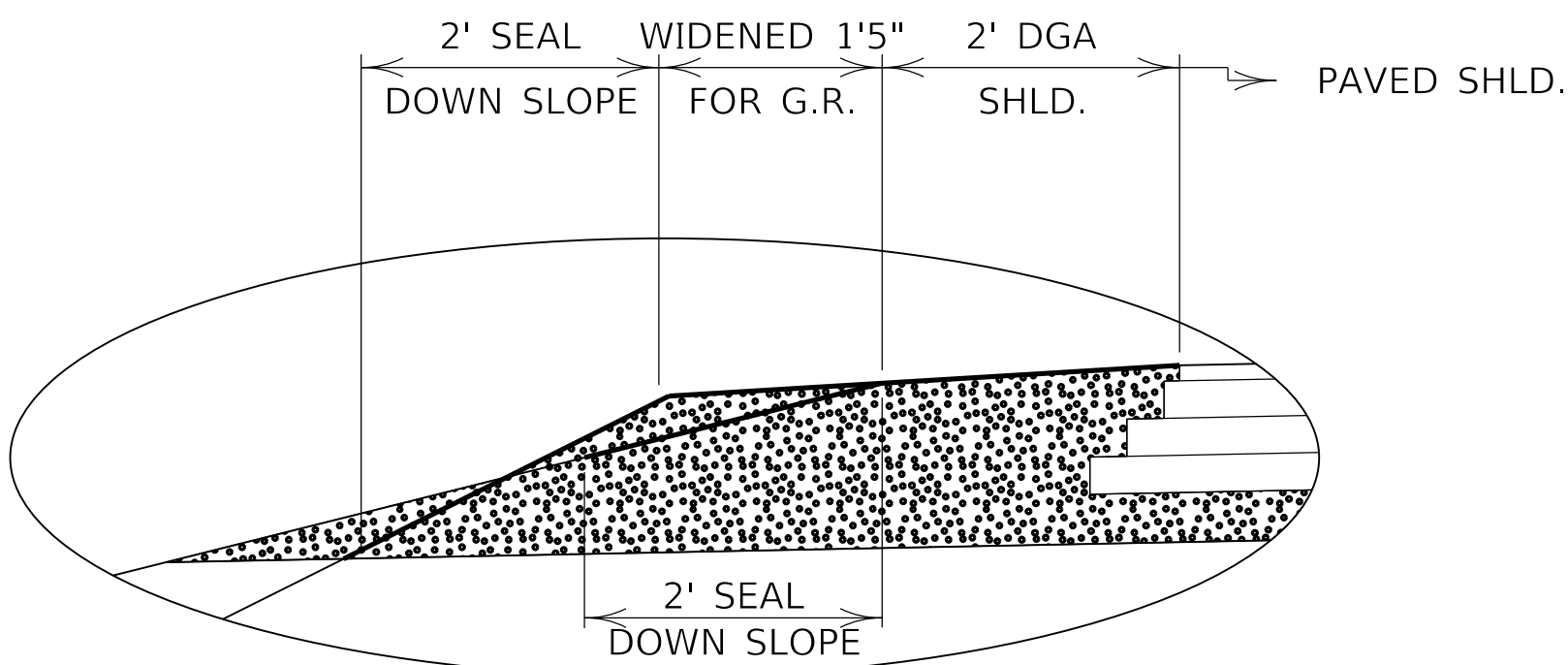
ROADWAY

DGA	4.0 INCH DEPTH
CL2 ASPH BASE 1.00D PG64-22	9.00 INCH DEPTH (3.00"+3.00"+3.00")
CL2 ASPH SURF 0.38D PG64-22	1.50 INCH DEPTH

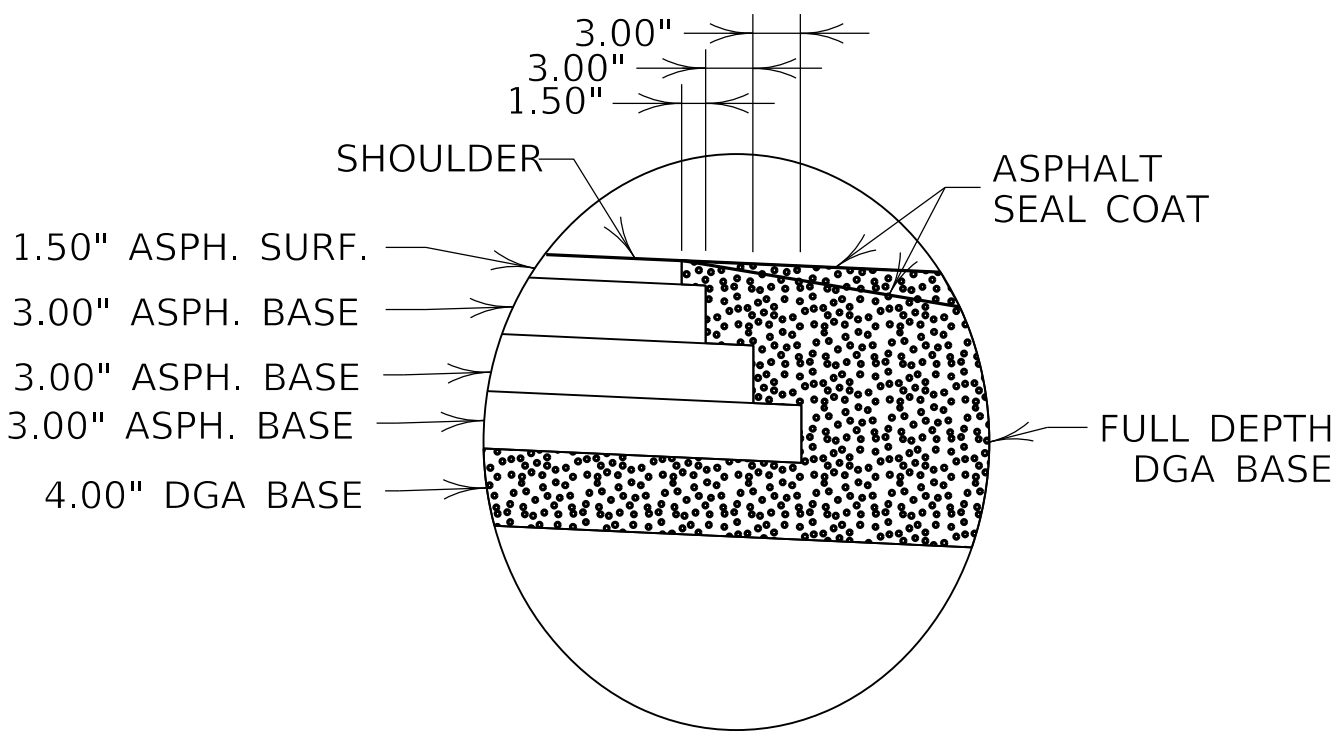
SHOULDER

DGA	4.0 INCH DEPTH
CL2 ASPH BASE 1.00D PG64-22	9.00 INCH DEPTH (3.00"+3.00"+3.00")
CL2 ASPH SURF 0.38D PG64-22	1.50 INCH DEPTH
AND	
ASPHALT SEAL AGGREGATE	20 LB./S.Y. 2 COURSES
ASPHALT SEAL COAT	2.4 LB./S.Y. 2 COURSES

ASPHALT SEAL FOR SHOULDERS FROM OUTSIDE OF PAVEMENT (ALSO UNDER GUARDRAIL) TO A POINT 2 FT DOWN THE DITCH OR SLOPE (2 APPLICATIONS).



DETAIL A



DETAIL B

DRAWING NOT TO SCALE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

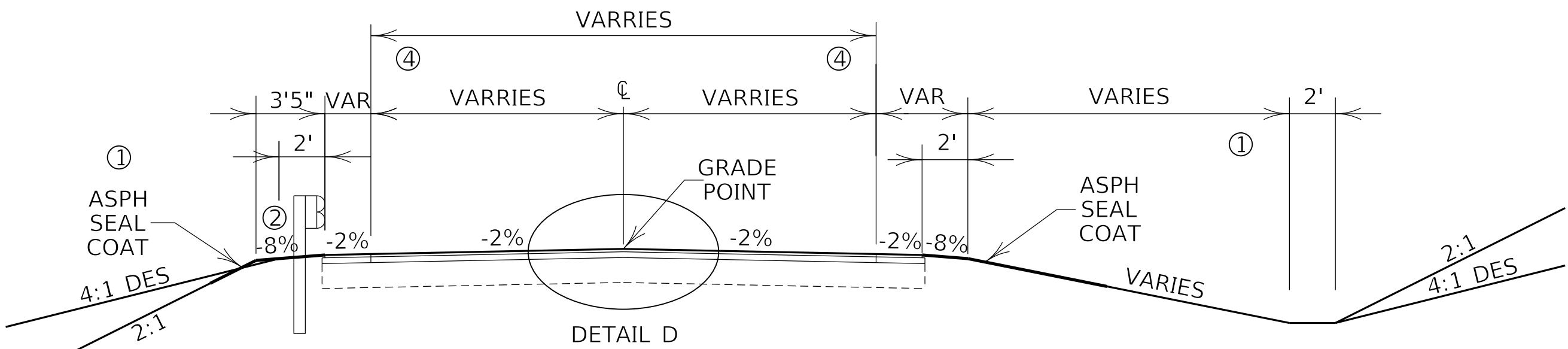


DRAWING TITLE: TYPICAL SECTIONS - APPROACH

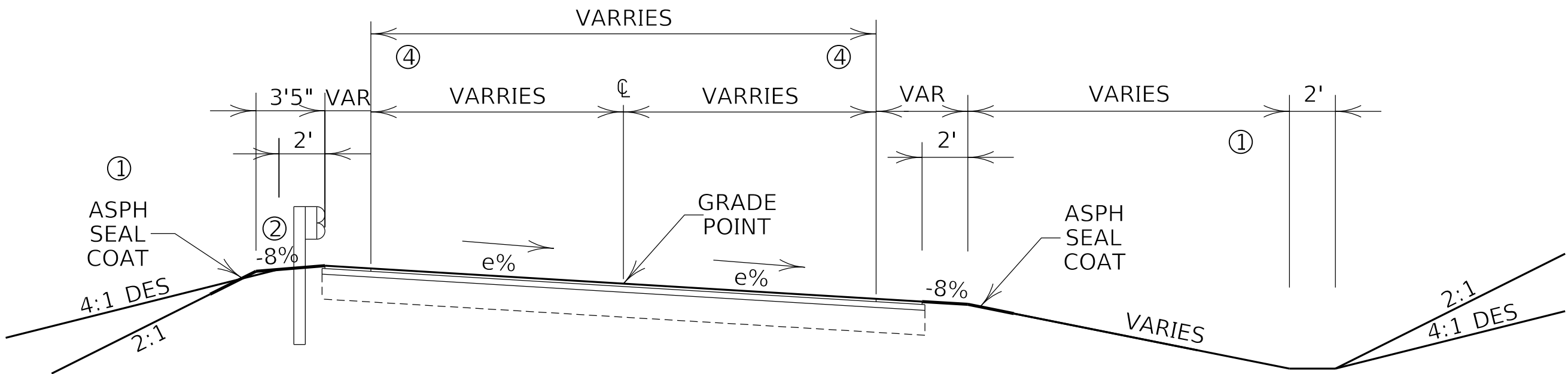
ITEM NO. 09-40000.00 COUNTY OF CARTER
SHEET NO. R2C

TYPICAL SECTIONS
KY 396 APPROACH
PAVEMENT OVERLAY
STA 1+20 to 2+24.54

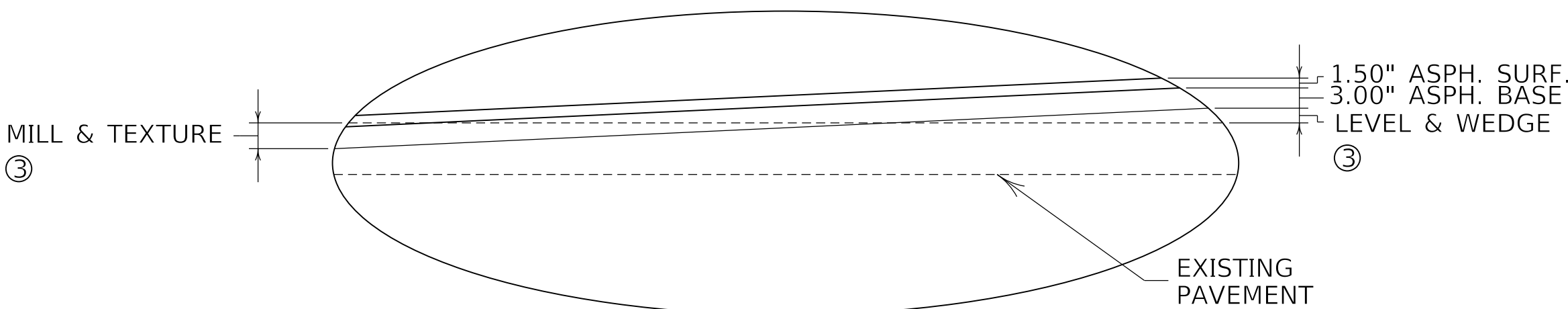
KY 396 APPROACH
PAVEMENT OVERLAY



NORMAL SECTION



SUPERELEVATED SECTION



DETAIL D

- ① SEE CROSS SECTIONS FOR INDIVIDUAL SLOPES OUTSIDE THE LIMITS OF SHOULDERS.
- ② EARTH SHOULDERS ARE TO BE WIDENED AN ADDITIONAL 1 FT. 5 IN. WHERE GUARDRAIL IS TO CONSTRUCTED.
- ③ LEVEL & WEDGE BETWEEN TOP OF EXISTING PAVEMENT AND BOTTOM OF 1.5" SURFACE COURSE . MILL & TEXTURE EXISTING PAVEMENT ABOVE BOTTOM OF 1.5" SURFACE COURSE. SEE CROSS SECTIONS FOR DETAILS.
- ④ SEE CROSS SECTIONS FOR INDIVIDUAL PAVEMENT AND SHOULDER WIDTHS.

KY 396 - APPROACH - OVERLAY

ROADWAY

LEVEL & WEDGE	VARRIES
CL2 APSPH BASE 1.00D PG64-22	3.00 INCH DEPTH
CL2 ASPH SURF 0.38D PG64-22	1.50 INCH DEPTH

SHOULDERS

LEVEL & WEDGE	VARRIES
CL2 ASPH BASE 1.00D PG64-22	3.00 INCH DEPTH
CL2 ASPH SURF 0.38D PG64-22	1.50 INCH DEPTH
AND	
ASPHALT SEAL AGGREGATE	20 LB./S.Y. 2 COURSES
ASPHALT SEAL COAT	2.4 LB./S.Y. 2 COURSES

ASPHALT SEAL FOR SHOULDERS FROM OUTSIDE OF PAVEMENT (ALSO UNDER GUARDRAIL) TO A POINT 2 FT DOWN THE DITCH OR SLOPE (2 APPLICATIONS).

DRAWING NOT TO SCALE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



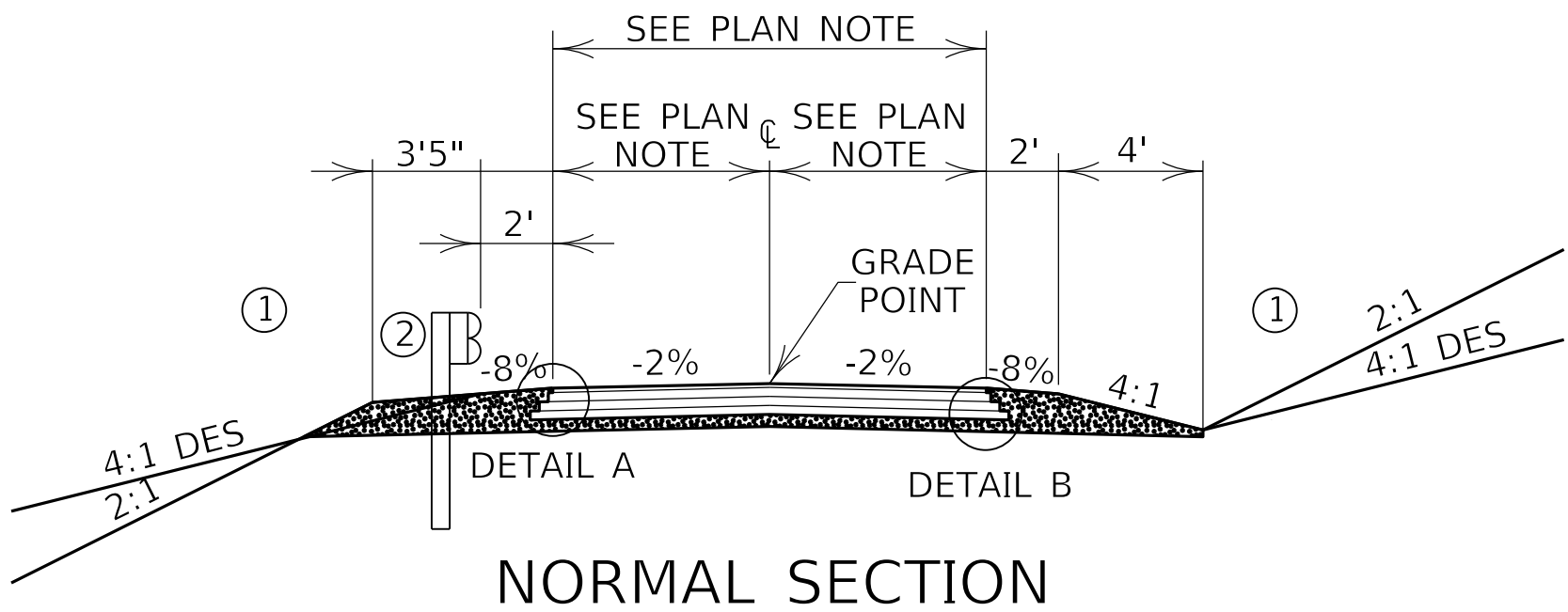
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ITEM NO. 09-40000.00 COUNTY OF CARTER

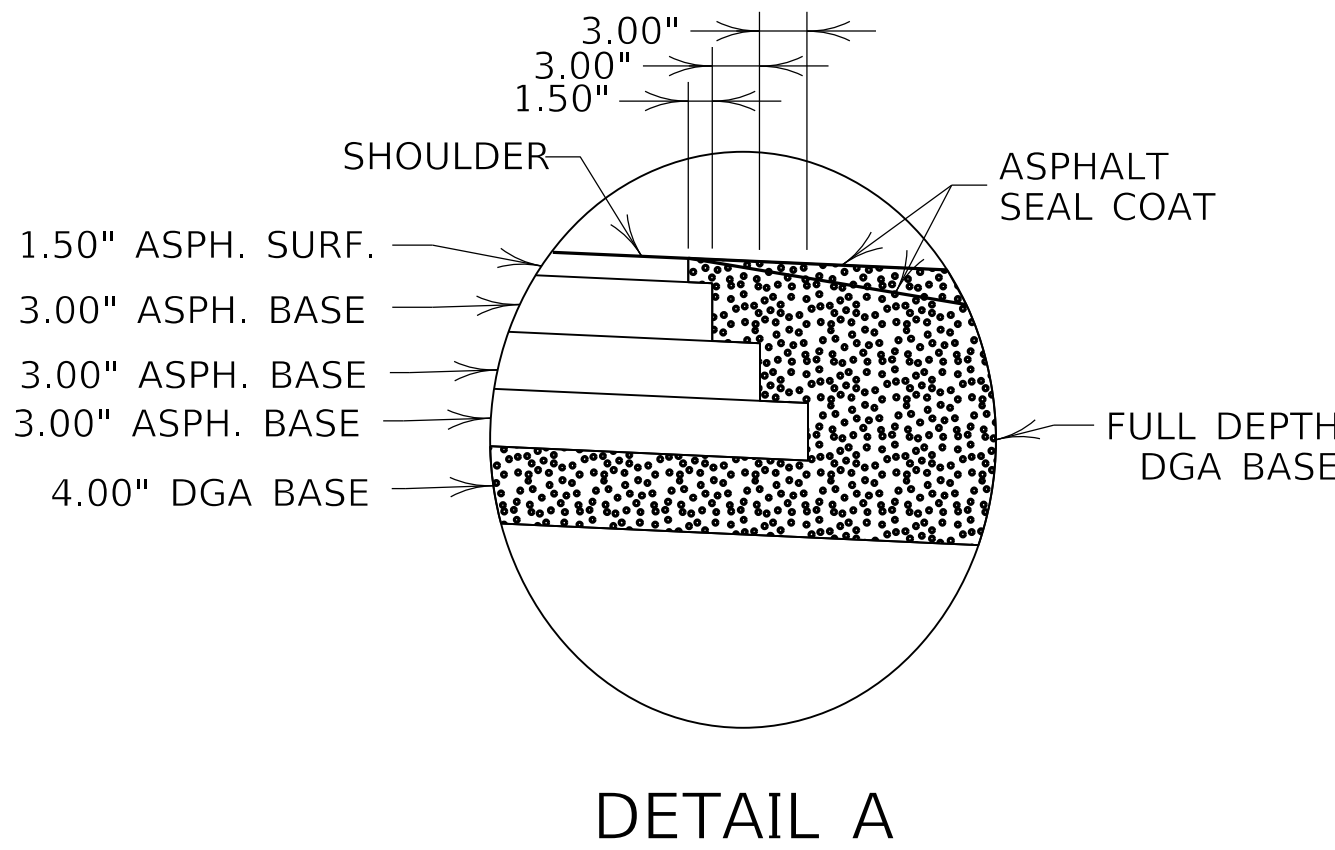
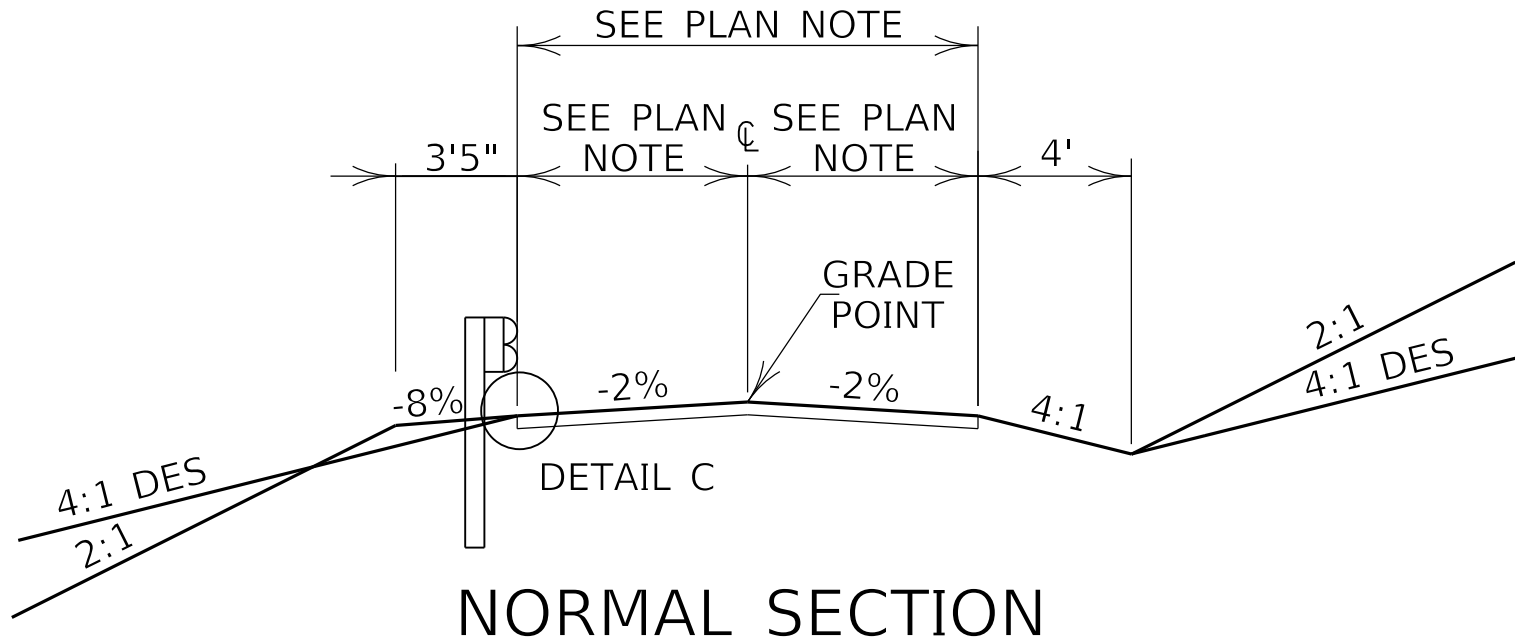
SHEET NO. R2D

TYPICAL SECTIONS ENTRANCES

ENTRANCE - ASPHALT



ENTRANCE - UNPAVED



ASPHALT ENTRANCE SURFACING

ROADWAY

DGA	4.0 INCH DEPTH
CL2 ASPH BASE 1.00D PG64-22	9.00 INCH DEPTH (3.00"+3.00"+3.00")
CL2 ASPH SURF 0.38D PG64-22	1.50 INCH DEPTH

SHOULDERS

ASPHALT SEAL AGGREGATE	20 LB./S.Y. 2 COURSES
ASPHALT SEAL COAT	2.4 LB./S.Y. 2 COURSES

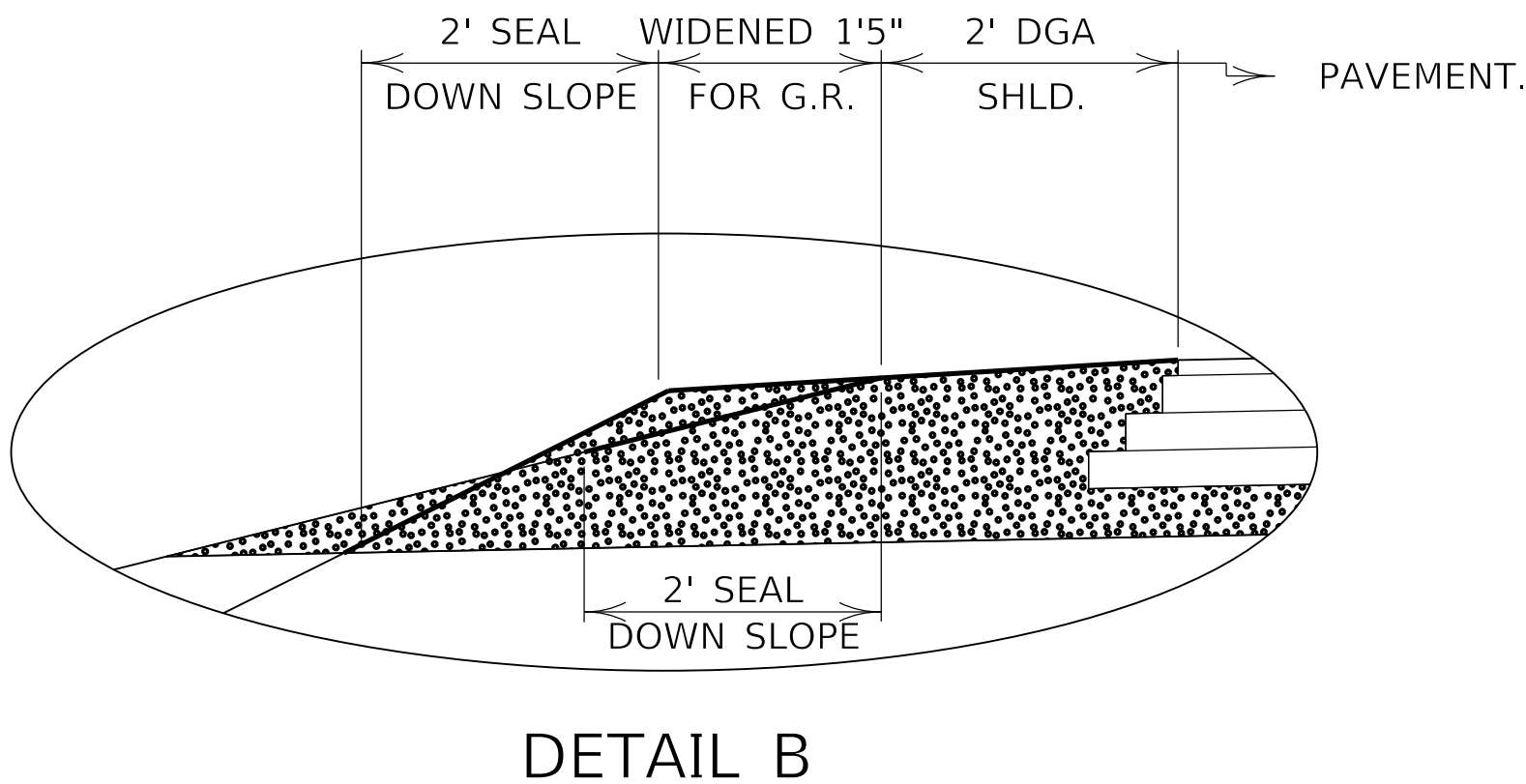
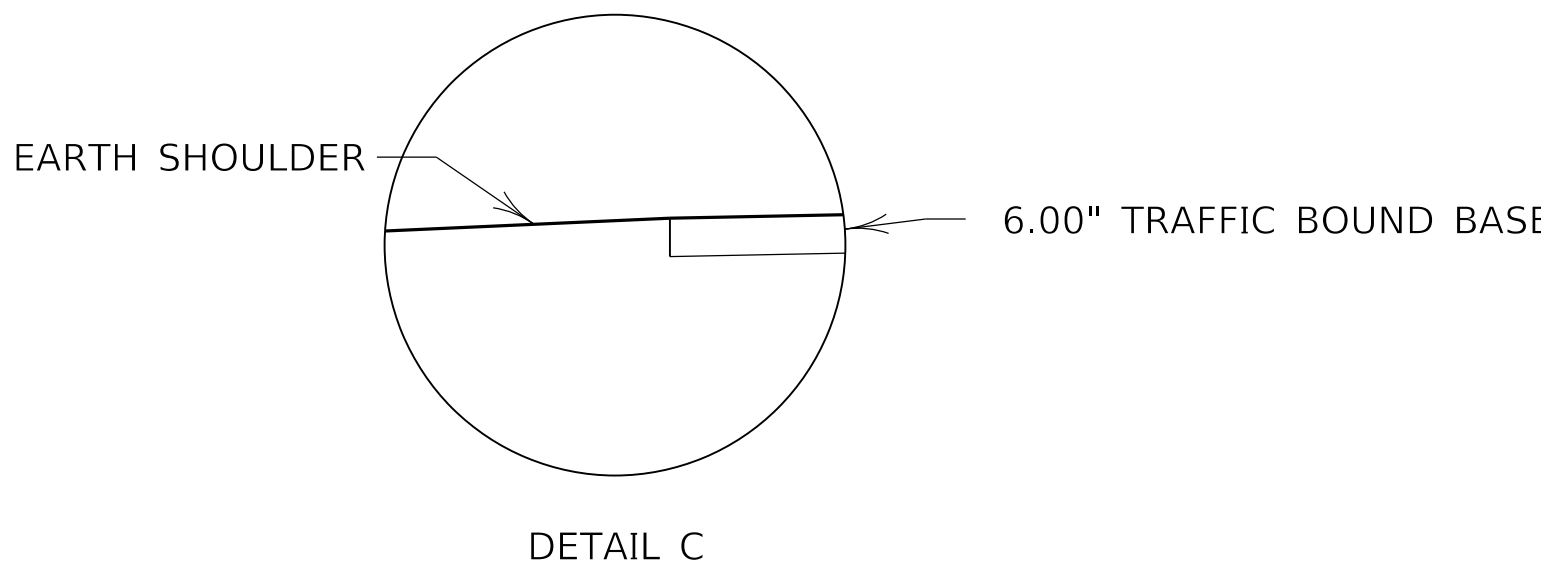
UNPAVED ENTRANCE SURFACING

ROADWAY

TRAFFIC BOUND BASE	6.00 INCH COMPACTED DEPTH
--------------------	---------------------------

SHOULDERS

EARTH



- ① SEE CROSS SECTIONS FOR INDIVIDUAL SLOPES OUTSIDE THE LIMITS OF PAVED LANE.
- ② SHOULDERS ARE TO BE WIDENED AN ADDITIONAL 1 FT. 5 IN. WHERE GUARDRAIL IS TO CONSTRUCTED.

DRAWING NOT TO SCALE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

TEAM
KENTUCKY

DRAWING TITLE: TYPICAL SECTION - ENTRANCES

GENERAL SUMMARY

[illegible]

NOTES:

- ① TO BE INSTALLED AT LOCATIONS AS NEEDED AT THE DIRECTION OF THE PROJECT ENGINEER
- ② FOR CONTROLLING DUST CAUSED BY MAINTENANCE OF TRAFFIC ONLY.
- ③ APPROXIMATELY 3.0 ACRES
- ④ INCLUDES 21 CU YD FOR APPROACH ROAD NOT INCLUDED IN MAINLINE QUANTITIES.
- ⑤ STATION 7+47.01 LT 61' REMOVE EXISTING 7'X20' SINGLE SPAN BRIDGE ABUTMENTS & DEBRIS.
- ⑥ RELOCATION FOR MAINTENANCE OF TRAFFIC SHALL BE INCIDENTAL TO BID ITEM.
NO ADDITIONAL COMPENSATION WILL BE MADE.
- ⑦ APPLIED AT A RATE OF 500 LBS. PER ACRE.
- ⑧ APPLIED AT A RATE OF 300 LBS. PER ACRE.
- ⑨ APPLIED AT A RATE OF 3 TONS PER ACRE.
- ⑩ TEMPORARY SHEET-PILING, STOP BAR PAINT, WATER-BLASTING, AND ALL OTHER ITEMS NECESSARY TO MAINTAIN TRAFFIC THAT ARE NOT LISTED AS BID ITEMS SHALL BE INCIDENTAL TO MAINTAIN AND CONTROL TRAFFIC BID ITEM.
- ⑪ FOR MAINTENANCE OF TRAFFIC.
PLACE IN ACCORDANCE WITH MUTCD GUIDANCE.
- ⑫ FOR MAINTENANCE OF TRAFFIC.
TO BE INSTALLED AT LOCATIONS AS NEEDED AT THE DIRECTION OF THE PROJECT ENGINEER
- ⑬ 91 TONS FOR USE AT INLET AND OUTLET OF RCBC PLACEMENT IN STREAM TO TOP OF BANKS.

Earthwork Quantities	
Sta. 1+00 to 13+25	
Emb Bench	= 0000
Com	= 2815
Emb	= 0939
Rock Refill	= 0000

REVISÉD AUG 7, 2026



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: GENERAL SUMMARY

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. R2F

PIPE DRAINAGE SUMMARY

[illegible]

NOTES:

① NOTE NOT USED

PAVING AREAS

[illegible]

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

- ① ESTIMATED AT 115 LBS. PER SQ. YD.
PER INCH OF DEPTH
- ② ESTIMATED AT 100 LBS. PER SQ. YD.
PER INCH OF DEPTH.
- ③ ESTIMATED AT 20 LBS. PER SQ. YD.
- ④ ESTIMATED AT 2.4 LBS. PER SQ. YD.
- ⑤ ESTIMATED AT 0.84 LBS. PER SQ. YD.
- ⑥ IN CUBIC YARDS.
- ⑦ INCLUDES ADDITIONAL 20 TONS TO BE
USED AT LOCATIONS AS DIRECTED BY
THE ENGINEER.
- ⑧ REMOVAL OF EXISTING PAVEMENT OUTSIDE
NEW DISTURB LIMITS 635 SQ YARDS.
ESTIMATED 12 INCH PAVEMENT THICKNESS.
QUANTITY NOT INCLUDED IN CROSS-
SECTION EARTHWORK.
- ⑨ CONTRACTOR SHALL DELIVER MILLINGS TO
CARTER COUNTY MAINTENANCE GARAGE AT
1474 KY-7 GRAYSON, KY 41143

PAVING SUMMARY

[illegible]

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

TEAM 
TRANSPORTATION
CABINET

DRAWING TITLE: PAVING SUMMARY

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO.
R2H

160 - N.G.S. (U.S.G.S.) BENCH MARKS

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

165 - BEFORE YO 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.

190 - DEPARTMENT OF THE ARMY PERMIT AND WATER QUALITY CERTIFICATION APPROVALS

A DEPARTMENT OF THE ARMY (DA) PERMIT, WHICH MAY REQUIRE APPROVAL OF A STATE WATER QUALITY CERTIFICATION FROM THE KENTUCKY DIVISION OF WATER, REGULATES THIS PROJECT AT ONE OR MORE LOCATIONS. PERFORM ALL APPLICABLE WORK IN COMPLIANCE WITH THE CONDITIONS STATED IN THE DA PERMIT AND THE APPROVED WATER QUALITY CERTIFICATION IN A CONSPICUOUS PLACE AT THE PROJECT SITE. IF A DA PERMIT OR WATER QUALITY CERTIFICATION APPROVAL IS PENDING, DO NOT WORK IN OR DISTURB THE DESIGNATED AREA(S) UNTIL OBTAINING THE APPROPRIATE APPROVAL(S). REFER TO NOTICE(S) CONTAINED IN THE CONTRACTED PROPOSAL FOR DESIGNATED AREA(S) WHERE WORK IS PROHIBITED BY THE ABSENCE OF APPROVAL.

447 - COMPACTION OF ASPHALT MIXTURES

WILL ACCEPT THE COMPACTION OF ASPHALT MIXTURES FURNISHED FOR DRIVING LANES AND RAMPS AT ONE INCH (22 MM) OR GREATER ON THIS PROJECT BY OPTION A ACCORDING TO SUBSECTIONS 402 AND 403 OF THE CURRENT STANDARD SPECIFICATIONS. USE JOINT CORES AS DESCRIBED IN SUBSECTION 402.03.02 FOR SURFACE MIXTURES ONLY. WILL ACCEPT THE COMPACTION OF ALL OTHER ASPHALT MIXTURES BY OPTION B.

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

- SPECIAL NOTES -

- SPECIAL NOTE FOR LONGITUDINAL PAVEMENT JOINT ADHESIVE
- SPECIAL NOTE FOR ENOI KPDES PERMIT
- SPECIAL NOTE FOR EXCESS & BORROW SITE
- SPECIAL NOTE FOR TREE REMOVAL
- SPECIAL NOTE FOR ENVIRONMENTAL TRAINING
- SPECIAL NOTE FOR ELECTRONIC DELIVERY MANAGMENT SYSTEM - AGGREGATE

- GUARDRAIL -

THE DEPARTMENT WILL RETAIN OWNERSHIP OF EXISTING GUARDRAIL, GUARDRAIL POST, AND HARDWARE. AS PER THE STANDARD SPECIFICATIONS (CURRENT EDITION), THE CONTRACTOR WILL SALVAGE THE EXISTING GUARDRAIL AND ITS COMPONENTS, AND DELIVER TO THE FRANKFORT (BAILEY BRIDGE LOT), OR AS DIRECTED BY THE RESIDENT ENGINEER. THE QUANTITY FOR REMOVING GUARDRAIL AND FOR CONSTRUCTING NEW GUARDRAIL IS FOR BIDDING PURPOSES ONLY. THE FINAL QUANTITIES FOR SALVAGING AND REPLACING GUARDRAIL WILL BE DETERMINED BY THE DEPARTMENT. PRIOR TO CONSTRUCTION, THE ENGINEER AND THE CONTRACTOR SHALL REVIEW THE CONDITION AND HEIGHT OF EXISTING GUARDRAIL, AND DETERMINE IF REPLACEMENT AND/OR ADJUSTMENT OF HEIGHT IS NECESSARY. CARE SHALL BE GIVEN TO INSURE THAT EXISTING END TREATMENTS AND HEIGHTS ARE TO CURRENT STANDARDS.

- CONTROL OF WORK -

THE RIGHT IS RESERVED BY THE DEPARTMENT TO HAVE OTHER WORK PERFORMED BY OTHER CONTRACTORS AND BY ITS OWN FORCES AND TO PERMIT PUBLIC UTILITY COMPANIES AND OTHERS TO DO WORK DURING THE CONSTRUCTION OF, AND WITHIN THE LIMITS OF OR ADJACENT TO, THE PROJECT. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS AND COOPERATE WITH SUCH OTHER PARTIES SO THAT INTERFERENCE WITH SUCH OTHER WORK WILL BE REDUCED TO A MINIMUM. THE CONTRACTOR SHALL AGREE, AND HEREBY DOES AGREE, TO MAKE NO CLAIMS AGAINST THE DEPARTMENT FOR ADDITIONAL COMPENSATION DUE TO DELAYS OR OTHER CONDITIONS CREATED BY THE OPERATIONS OF SUCH OTHER PARTIES. SHOULD A DIFFERENCE OF OPINION ARISE AS TO THE RIGHTS OF THE CONTRACTOR AND OTHER WORKING WITHIN THE LIMITS OF, OR ADJACENT, TO THE PROJECT, THE ENGINEER WILL DECIDE AS TO THE RESPECTIVE RIGHTS OF THE VARIOUS PARTIES INVOLVED IN ORDER TO ASSURE THE COMPLETION OF THE DEPARTMENT'S WORK IN GENERAL HARMONY AND IN A SATISFACTORY MANNER AND HIS DECISION SHALL BE FINAL AND BINDING UPON THE CONTRACTOR.

- MAINTENANCE OF TRAFFIC -

THE LUMP SUM BID FOR MAINTENANCE OF TRAFFIC SHALL INCLUDE BUT NOT BE LIMITED TO ALL GRADING AND NECESSARY DRAINAGE AND ALL TRAFFIC CONTROL DEVICES FOR CONTROLLING AND MAINTAINING TRAFFIC DURING THE CONSTRUCTION PROJECT AND THE REMOVAL THEREOF WHEN IT IS NO LONGER NEEDED. UNLESS OTHERWISE DIRECTED, ALL SALVAGEABLE TRAFFIC CONTROL ITEMS, DEVICES, MATERIALS AND INCIDENTALS SHALL BECOME THE PROPERTY OF THE CONTRACTOR WHEN NO LONGER NEEDED FOR MAINTAINING AND CONTROLLING TRAFFIC DURING CONSTRUCTION.

- NOTICE-CAUTION-CLASSIFICATION -

WITHOUT REGARD TO THE MATERIALS ENCOUNTERED, ALL ROADWAY AND DRAINAGE EXCAVATION SHALL BE UNCLASSIFIED. IT SHALL BE DISTINCTLY UNDERSTOOD THAT ANY REFERENCE TO ROCK, EARTH, OR ANY OTHER MATERIAL ON THE PLANS OR CROSS SECTIONS WHETHER IN NUMBERS, WORDS, LETTERS, OR LINES, IS SOLELY FOR THE DEPARTMENT'S INFORMATION AND IS NOT TO BE TAKEN AS AN INDICATION OF CLASSIFIED EXCAVATION OR THE QUANTITY OF EITHER ROCK, EARTH, OR ANY OTHER MATERIAL INVOLVED. THE BIDDER MUST DRAW HIS OWN CONCLUSION AS TO THE CONDITIONS TO BE ENCOUNTERED. THE DEPARTMENT DOES NOT GIVE ANY GUARANTEE AS TO THE ACCURACY OF THE DATA AND NO CLAIM WILL BE CONSIDERED FOR ADDITIONAL COMPENSATION IF THE MATERIAL ENCOUNTERED ARE NOT IN ACCORD WITH THE CLASSIFICATION SHOWN.



Corporate Limits			Main Water Marker		Crash Cushion TY 9		Point (Misc)		Telephone Pedestal	
County Line			Main Water Greater Than 12 Marker		Cross Notch		Pole		Telephone Pole	
Easement			Sewer Sanitary Marker		Curb Box Inlet		Pole (Light)		Temporary Benchmark	
Fence COA			Sewer Sanitary Force Main Marker		Curb Notch		Post		Traffic Light	
Mineral Parcel			Sewer Storm Marker		Combination Pole		Power Pole		Traffic Signal Control Box	
Property Line			Multi Utility Bank Marker		Delineator Post		Quarry		Traffic Signal Junction Box	
Right of Way Line			Oil Line Marker		Drop Box		Random (Ground Shot)		Traffic Signal Pole	
All Overhead Utility Lines			Steam Line Marker		Existing Spring		Railroad Mile Marker		Traverse Point	
Cable Underground Electric With Quality Levels			Cable Guardrail		Electric Manhole		Railroad Spike		Tree	
Duct Underground Electric With Quality Levels			Ditch		Electric Meter		Right of Way Marker		TV Junction Box	
Cable Underground Telephone With Quality Levels			Edge of Water		Electric Pedestal		RR Traffic Signal Pole		Utility Pole	
Duct Underground Telephone With Quality Levels			Fence Hedge		Fire Hydrant		RW Parcel		Underground Storage Tank	
Cable Underground TV With Quality Levels			Fence		Flag Pole		Sanitary Cleanout		Utility Test Hole	
Main Gas With Quality Levels			Flow Line/Thalweg/ Int. Stream or Ditch		Force Main Sewer Valve		Sanitary Manhole		Water Line Marker	
Main Water With Quality Levels			Guardrail		Fuel Tank Inlet		Satellite Dish		Water Meter	
Main Water Greater Than 12 With Quality Levels			Railroad		Fuel Tank Vent		Septic Tank Cleanout		Water Spigot	
Sewer Sanitary With Quality Levels			Shrub Line		Gas Meter		Service Pole		Water Valve	
Sewer Sanitary Force Main With Quality Levels			Sink Hole		Gas Monitoring Well		Sewer Air Release Valve		Water Well	
Sewer Storm With Quality Levels			Tree Line		Gas Valve		Shrub		Yard Light	
Multi Utility Bank Quality Levels			Wall (WSM or DSM)		Gas Vent		Sign		Yard Sprinkler	
Oil Line Quality Levels			Blue Line Stream		Gas Well		Sign Post (Single)		Yard Sprinkler Water Valve	
Steam Line Quality Levels			Lakes and Ponds		Guidewires & Anchors		Sign with 2 posts			
Cable Underground Electric Marker			Regulated Floodway		Headstone		Sign group (4)			
Duct Underground Electric Marker			RDZ Line		Interstate Shield		Station Stamp			
Cable Underground Fiber Marker			ADA Ramp		Iron Pin		Storm Manhole			
Cable Underground Telephone Marker			Anchor Pole		Light Pole		Stub Power			
Duct Underground Telephone Marker			Benchmark		Low Wire		Stub Telephone			
Cable Underground TV Marker			Bike Lane Symbol		Mag Nail		Survey Cross Notch			
Main Gas Marker			Bollard		Mailbox		Survey Curb Notch			
			Centerline		Manhole		Survey Nail			
			Centerline Stationing		Mile Marker Post		Survey Spike			
			Control Monument		Mineral Parcel		Survey Stone Marker			
			Control Point		Misc Location Point		Swamp			
			Core Hole		Monitoring Well		Telephone Booth			
			Crash Cushion TY 6 D		Parking Meter		Telephone Junction Box			
			Crash Cushion TY 6 A		Pedestrian Signal		Telephone Line Overhead			
			Crash Cushion TY 9A		Pins/Pipes		Telephone Manhole			

Utility Owners

Grayson R.E.C.C. - Electric
Bradley Cherry
PH: (606) 475-2199
bradley.cherry@graysonrecc.com

Rattlesnake Ridge Water District - Water
Becky Kitchen
PH: (606) 474-7570
rrwdwc@yahoo.com



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: LEGEND SHEET

LANE TAPERS				
LT/RT	START STA.	END STA.	START WIDTH	END WIDTH
LT & RT	3+00	3+50	10'	11'
LT & RT	10+00	10+50	11'	10'

SHOULDER TAPERS				
LT/RT	START STA.	END STA.	START WIDTH	END WIDTH
RT	2+85	3+00	0.25'	1'
LT & RT	3+50	3+65	1'	2'
LT & RT	6+00	6+30	2'	4'
RT	8+30	8+60	4'	2'
LT	8+60	8+90	4'	2'
LT & RT	9+85	10+00	2'	1'

STA 7+47.01 LT 61' - REMOVE EXISTING STRUCTURE
THE APROX 20'-SPAN CONCRETE BOX BEAM BRIDGE HAS BEEN PARTIALLY DEMOLISHED.
THE BEAMS AND DECK ARE LOCATION IN THE DEBRIS PILE AT STA 7+00.
THE CONCRETE ABUTMENTS WERE NOT DEMOLISHED AND ARE IN PLACE.
CONTRACTOR SHALL REMOVE THE DEBRIS AND ABUTMENTS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS AND AS SPECIFIED BY THE STRUCTURAL PLANS. CONTRACTOR SHALL GRADE STREAM SLOPES AT REMOVED ABUTMENT LOACTIONS AS DIRECTED BY THE ENGINEER.
GRADING WORK AND MATERIALS ARE INCIDENTAL TO THIS BID ITEM. ALL MATERIAL, WITH THE EXEPTION OF THE TEMPORARY PIPES, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

THE TEMPORARY PIPES: 2-60" CPP & 2-48" CMP, ARE TO BE REMOVED AND DELIVERED TO THE CARTER COUNTY MAINTENANCE FACILITY AT 1474 KY-7, GRAYSON, KY 41143.
REMOVAL OF THE TEMPORARY PIPES, PAVEMENT, AND BACKFILL IS INCIDENTAL TO THE MAINTENANCE OF TRAFFIC BID ITEM.

ENTRANCE CONSTRUCTION					
LT/RT	STATION	TYPE	AREA (SQ YD)	ENT PIPE	HEADWALL
LT	4+92	ASPHALT	269		
RT	5+00	UNPAVED	133		
LT	5+70	UNPAVED	71	15" - 50 FT	1 x MES TY-1

LT GUARDRAIL CONSTRUCTION MAINLINE				
START STA.	END STA.	FT	START E.T.	END E.T.
6+80	7+90	137.5	TY-1	APPR GR

LT GUARDRAIL CONSTRUCTION APPROACH				
START STA.	END STA.	FT	START E.T.	END E.T.
0+61	1+19	62.5	MAINLINE GR	TY-1

RT GUARDRAIL CONSTRUCTION MAINLINE				
START STA.	END STA.	FT	START E.T.	END E.T.
6+80	7+80	100	TY-4A	TY-1

PI STA 1+77.41
 $\Delta = 03^{\circ}53'16"$ RT
T = 30.55'
L = 61.07'
R = 900.00'
E = 0.52'
e = N.C.
Runoff = N/A
Runout = N/A

PI STA 0+95.77
 $\Delta = 22^{\circ}54'44"$ RT
T = 31.41'
L = 61.98'
R = 155.00'
E = 3.15'
e = 4.0%
Runoff = 45.0'
Runout = 22.5'

ADKINS FAMILY PROPERTIES, LLC
D.B.416 PG.044

PI STA 9+50.87
 $\Delta = 23^{\circ}34'47"$ RT
T = 122.52'
L = 241.58'
R = 587.00'
E = 12.65'
e = 8.00%
Runoff = 165.0'
Runout = 41.25'

STA. 7+24.07
CONST. 7'x22' RCBC
SKEW 20°30'00" RT
I.E. 694.16'
O.E. 694.01'
SEE STRUCTURE PLANS
FOR DETAILS & QUANTITIES

RT DITCH CONSTRUCTION MAINLINE						
CHANNEL LINING						
START STA.	END STA.	DESCRIPTION	TYPE	DEPTH	THICKNESS	QUANTITY
2+75	4+60	SPCL. 4'-FB	ECB	1'		245 SQ YD
5+40	6+30	SPCL. 4'-FB	ECB	1'		120 SQ YD
6+30	7+00	SPCL. 4'-FB	CLASS III	1'	2'	66 TON
7+20	8+20	SPCL. 4'-FB	CLASS III	1'	2'	149 TON
8+20	13+25	SPCL. 4'-FB	ECB	1'		674 SQ YD

LT DITCH CONSTRUCTION MAINLINE						
CHANNEL LINING						
START STA.	END STA.	DESCRIPTION	TYPE	DEPTH	THICKNESS	QUANTITY
1+25	1+75	SPCL. V	ECB	1'		45 SQ YD
1+95	4+32.3	SPCL. V	ECB	1'		211 SQ YD
5+90	6+50	SPCL. 4'-FB	ECB	1'		54 SQ YD
6+50	7+35	SPCL. 4'-FB	CLASS III	1'	2'	146 TON
8+48.23	13+25	SPCL. V	ECB	1'		425 SQ YD

REVISED AUG 7, 2026



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: PLAN SHEET

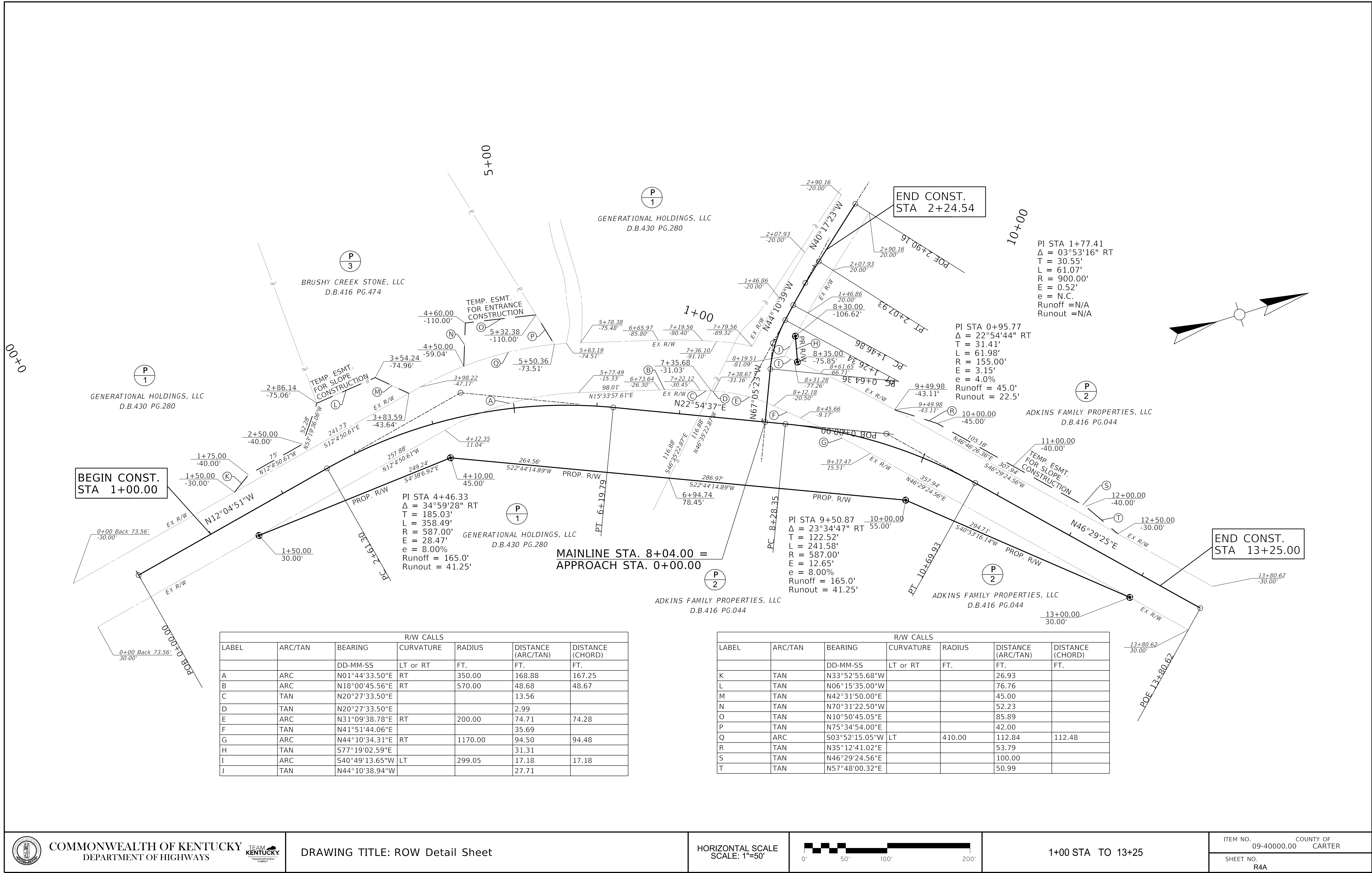
HORIZONTAL SCALE
SCALE: 1"=50'



STA 1+00 TO 13+25

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. R4



R/W CALLS						
LABEL	ARC/TAN	BEARING	CURVATURE	RADIUS	DISTANCE (ARC/TAN)	DISTANCE (CHORD)
		DD-MM-SS	LT or RT	FT.	FT.	FT.
A	ARC	N01°44'33.50"E	RT	350.00	168.88	167.25
B	ARC	N18°00'45.56"E	RT	570.00	48.68	48.67
C	TAN	N20°27'33.50"E			13.56	
D	TAN	N20°27'33.50"E			2.99	
E	ARC	N31°09'38.78"E	RT	200.00	74.71	74.28
F	TAN	N41°51'44.06"E			35.69	
G	ARC	N44°10'34.31"E	RT	1170.00	94.50	94.48
H	TAN	S77°19'02.59"E			31.31	
I	ARC	S40°49'13.65"W	LT	299.05	17.18	17.18
J	TAN	N44°10'38.94"W			27.71	

R/W CALLS						
LABEL	ARC/TAN	BEARING	CURVATURE	RADIUS	DISTANCE (ARC/TAN)	DISTANCE (CHORD)
		DD-MM-SS	LT or RT	FT.	FT.	FT.
K	TAN	N33°52'55.68"W			26.93	
L	TAN	N06°15'35.00"W			76.76	
M	TAN	N42°31'50.00"E			45.00	
N	TAN	N70°31'22.50"W			52.23	
O	TAN	N10°50'45.05"E			85.89	
P	TAN	N75°34'54.00"E			42.00	
Q	ARC	S03°52'15.05"W	LT	410.00	112.84	112.48
R	TAN	N35°12'41.02"E			53.79	
S	TAN	N46°29'24.56"E			100.00	
T	TAN	N57°48'00.32"E			50.99	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



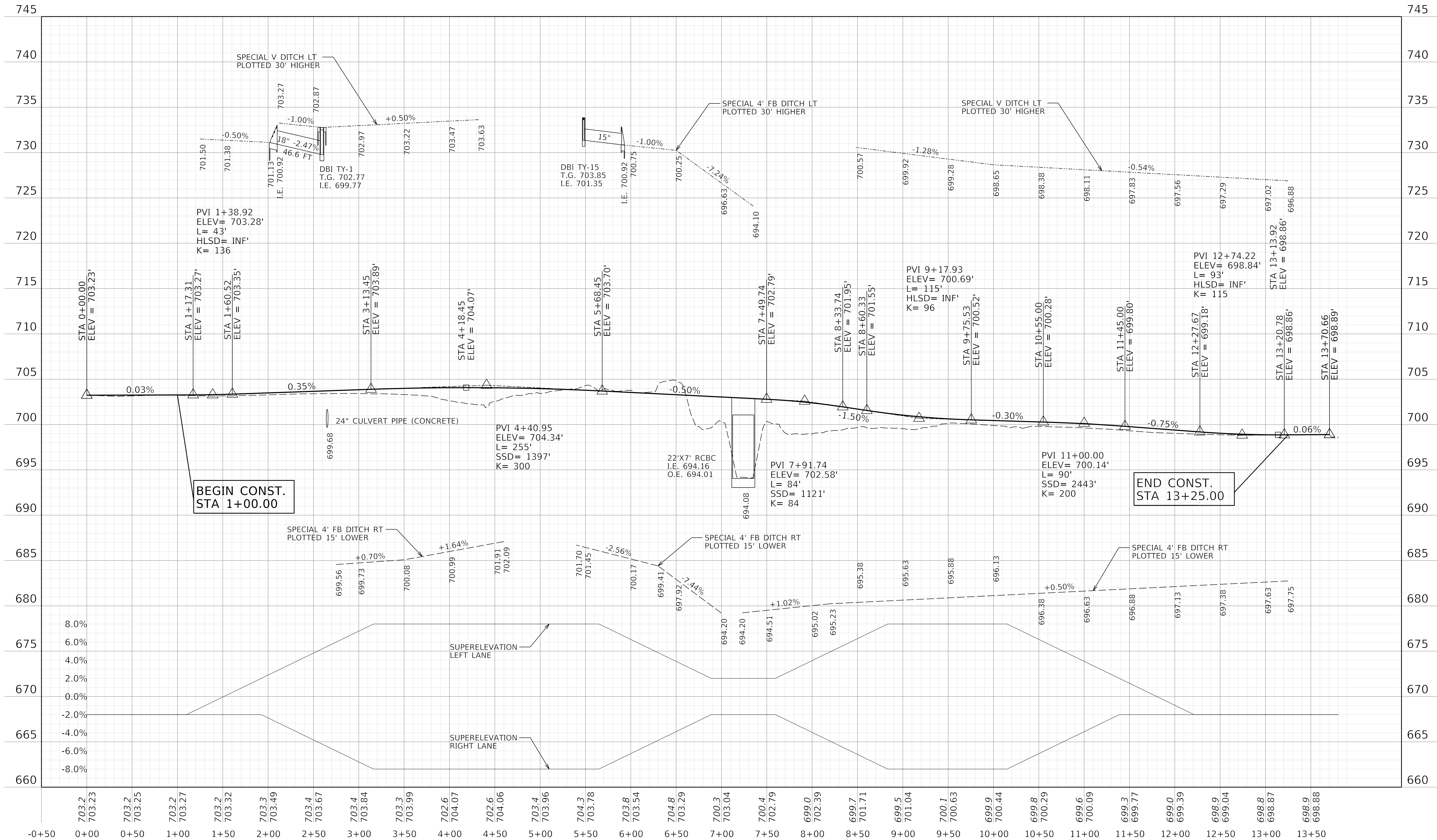
DRAWING TITLE: ROW Detail Sheet

HORIZONTAL SCALE
SCALE: 1"=50'



1+00 STA TO 13+25

ITEM NO. 09-40000.00 COUNTY OF CARTER
SHEET NO. R4A



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

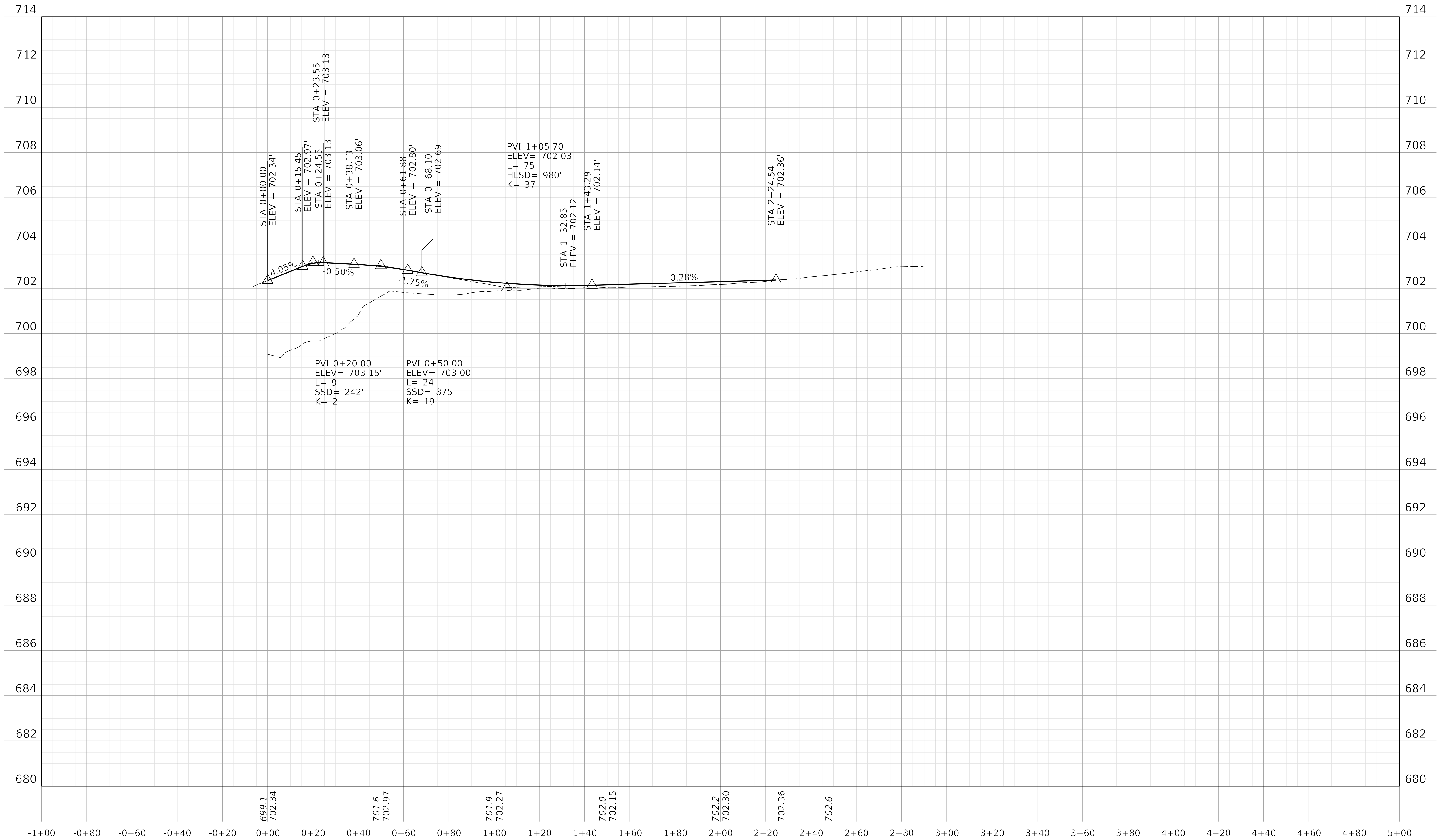


DRAWING TITLE: PROFILE SHEET - MAINLINE



STA 1+00 TO 13+25

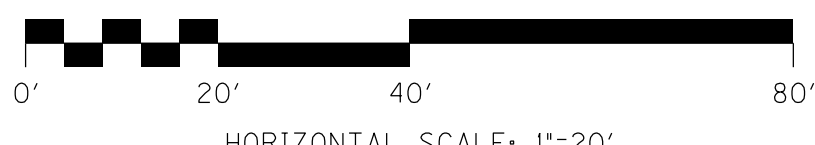
ITEM NO. 09-40000.00 COUNTY OF CARTER
SHEET NO. R5



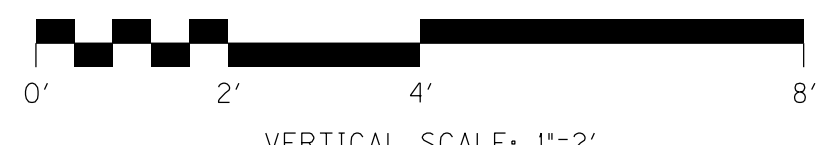
COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: PROFILE SHEET - APPROACH



HORIZONTAL SCALE: 1"=20'



VERTICAL SCALE: 1"=2'

STA 0+00 TO 2+25

ITEM NO. 09-40000.00 COUNTY OF CARTER

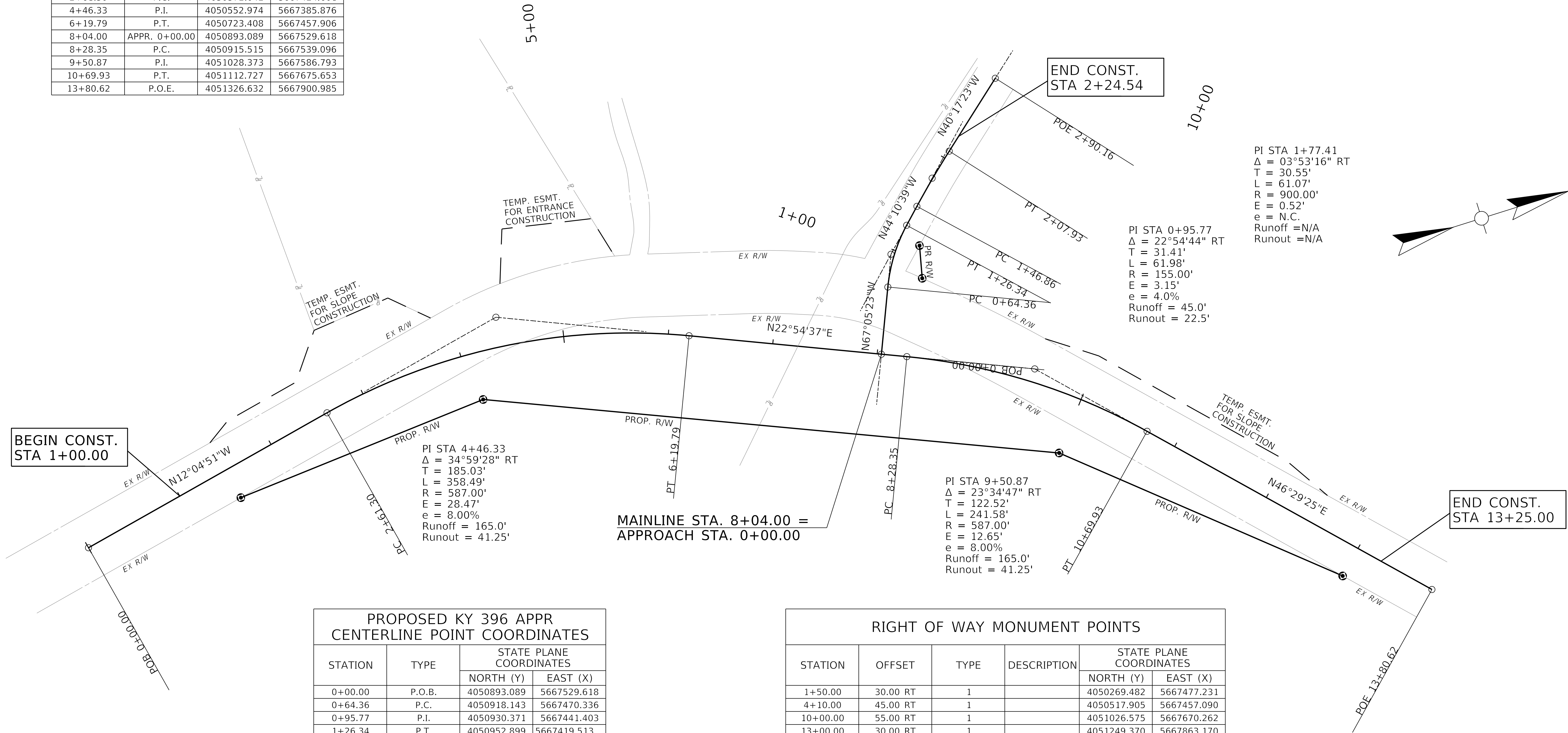
SHEET NO. R6

COORDINATE SYSTEM

Coordinates for horizontal control were obtained from GPS methods and adjusted to the National NAD83/2011 Horizontal Datum.

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

PROPOSED KY 2 CENTERLINE POINT COORDINATES			
STATION	TYPE	STATE PLANE COORDINATES	
		NORTH (Y)	EAST (X)
0+00.00	P.O.B.	4050116.525	5667479.289
2+61.30	P.C.	4050372.042	5667424.601
4+46.33	P.I.	4050552.974	5667385.876
6+19.79	P.T.	4050723.408	5667457.906
8+04.00	APPR. 0+00.00	4050893.089	5667529.618
8+28.35	P.C.	4050915.515	5667539.096
9+50.87	P.I.	4051028.373	5667586.793
10+69.93	P.T.	4051112.727	5667675.653
13+80.62	P.O.E.	4051326.632	5667900.985



PROPOSED KY 396 APPR CENTERLINE POINT COORDINATES			
STATION	TYPE	STATE PLANE COORDINATES	
		NORTH (Y)	EAST (X)
0+00.00	P.O.B.	4050893.089	5667529.618
0+64.36	P.C.	4050918.143	5667470.336
0+95.77	P.I.	4050930.371	5667441.403
1+26.34	P.T.	4050952.899	5667419.513
1+46.86	P.C.	4050967.616	5667405.212
1+78.41	P.I.	4050989.523	5667383.926
2+07.93	P.T.	4051012.822	5667364.173
2+90.16	P.O.E.	4051075.547	5667310.998

RIGHT OF WAY MONUMENT POINTS					
STATION	OFFSET	TYPE	DESCRIPTION	STATE PLANE COORDINATES	
				NORTH (Y)	EAST (X)
1+50.00	30.00 RT	1		4050269.482	5667477.231
4+10.00	45.00 RT	1		4050517.905	5667457.090
10+00.00	55.00 RT	1		4051026.575	5667670.262
13+00.00	30.00 RT	1		4051249.370	5667863.170
8+30.00	106.62 LT	1		4050958.817	5667441.649
8+35.00	75.85 LT	1		4050951.943	5667472.194



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: Coordinate Control Sheet

HORIZONTAL SCALE
SCALE: 1"=50'



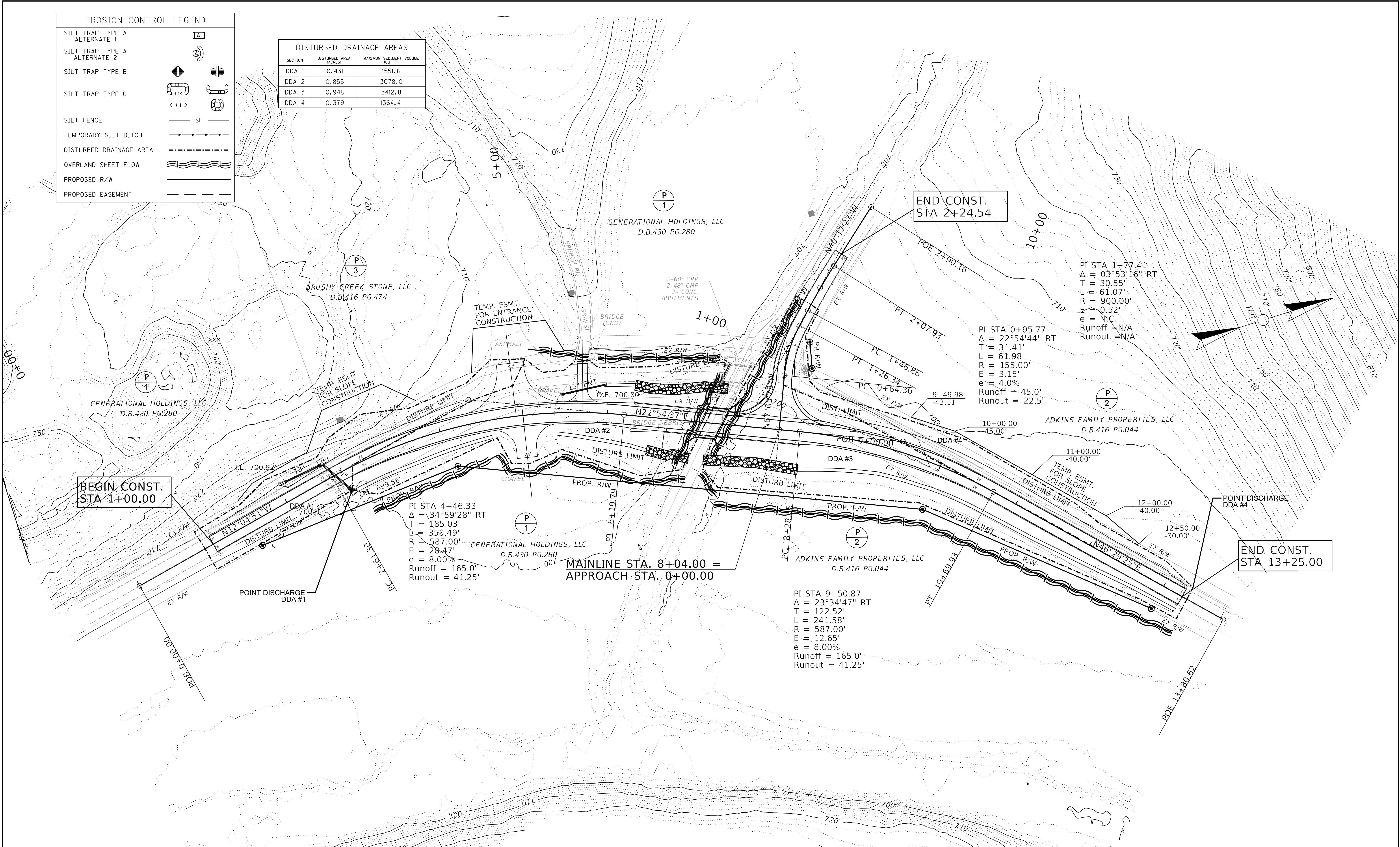
STA 1+00 TO 13+25

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. R8

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

DISTURBED DRAINAGE AREAS		
SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA 1	0.431	1551.6
DDA 2	0.855	3078.0
DDA 3	0.948	3412.8
DDA 4	0.379	1364.4



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: EROSION CONTROL SHEET

HORIZONTAL SCALE
SCALE: 1"=50'



STA. -1+00.00 TO STA. 14+00.00

ITEM NO. 09-40000.00 COUNTY OF CARTER
SHEET NO. R9

GENERAL NOTES

1. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND THE STANDARD DRAWINGS, CURRENT EDITIONS.
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 GRADING AND NECESSARY DRAINAGE (UNLESS A BID ITEM FOR DETOUR CONSTRUCTION IS INCLUDED) FOR THE TEMPORARY ROADWAY AND REMOVAL THEREOF, WHEN IT IS NO LONGER NEEDED. IF A BID ITEM FOR DETOUR CONSTRUCTION IS INCLUDED, GRADING AND DRAINAGE WILL BE PAID FOR IN THE BID ITEM "DETOUR CONSTRUCTION".

B. ALL LABOR AND MATERIALS NECESSARY FOR CONSTRUCTION AND MAINTENANCE OF TRAFFIC CONTROL DEVICES AND MARKINGS.

C. ALL FLAGPERSONS 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.
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 MAINTAIN A TWO-LANE TRAVELED WAY WITH A MINIMUM LANE WIDTH OF 11 FEET. HOWEVER, DURING WORKING HOURS, ONE-WAY TRAFFIC MAY BE ALLOWED AT THE DISCRETION OF THE ENGINEER, PROVIDED ADEQUATE SIGNING AND A FLAGPERSON ARE AT THE LOCATION.
5. 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.
6. 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.
7. THE ENGINEER AND THE CONTRACTOR, OR THEIR AUTHORIZED REPRESENTATIVES, SHALL REVIEW THE SIGNING BEFORE TRAFFIC IS ALLOWED TO USE ANY LANE CLOSURES, CROSSEOVERS OR DETOURS. ALL SIGNING SHALL BE APPROVED BY THE ENGINEER BEFORE WORK CAN BE STARTED BY THE CONTRACTOR.
8. IF THE CONTRACTOR DESIRES TO DEVIATE FROM THE TRAFFIC CONTROL SCHEME AND CONSTRUCTION SCHEDULE OUTLINED IN THESE PLANS AND THIS PROPOSAL, HE 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. ALL SIGNS NECESSARY FOR A MARKED DETOUR WILL BE PROVIDED BY THE CONTRACTOR AS REQUIRED BY STANDARD DRAWINGS AND THE MUTCD. SIGNS OUTSIDE THE PROJECT LIMITS SHALL BE PAID FOR BY THE SQUARE FOOT. THIS QUANTITY SHALL INCLUDE SIGN MOUNTING HARDWARE AND POSTS.

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.

LESSER TREATMENTS THAN THOSE DESCRIBED ABOVE MAY BE CONSIDERED FOR LOW-VOLUME LOCAL STREETS.

PAYMENT WILL BE ALLOWED FOR DGA MATERIAL USED FOR WEDGING.

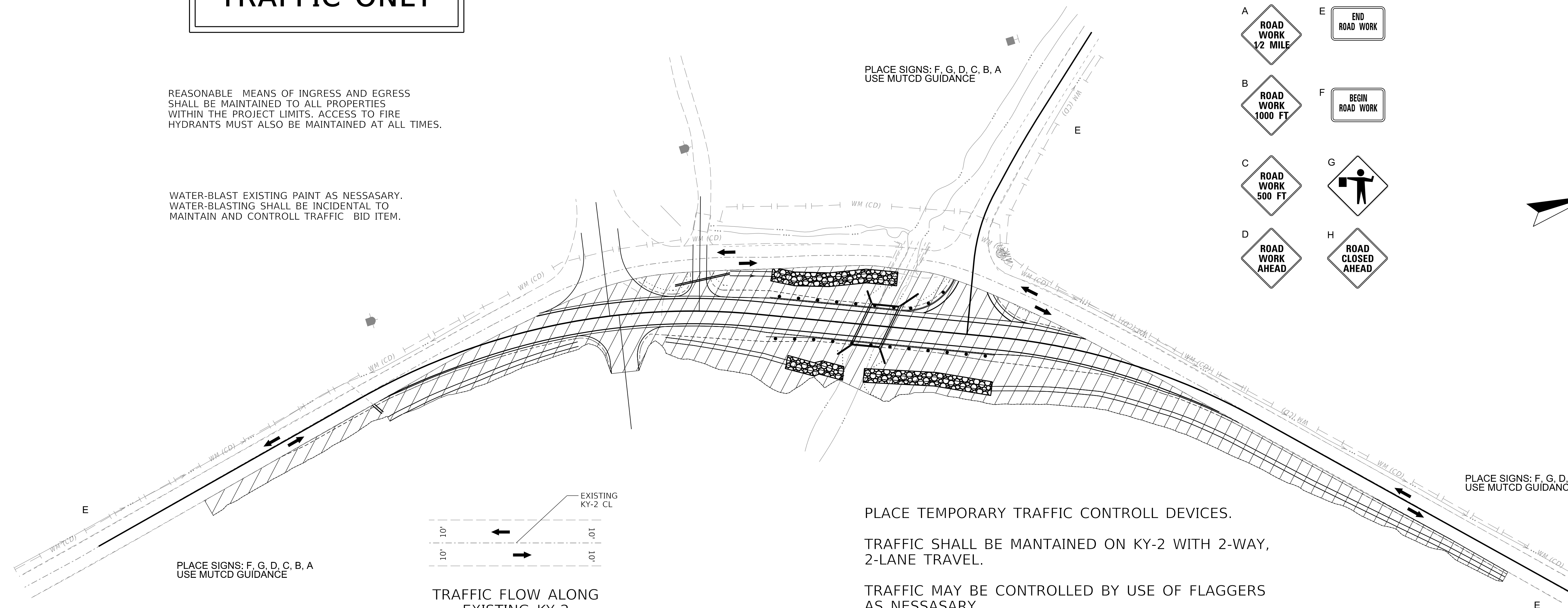
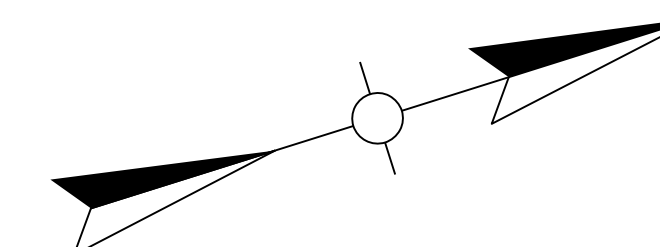
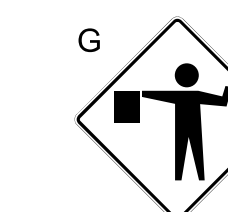
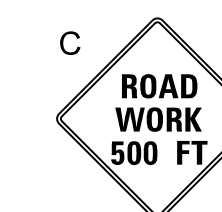
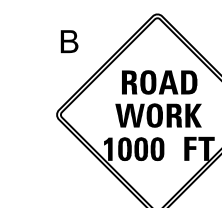
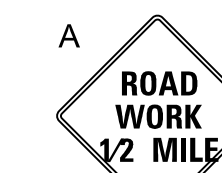


FOR MAINTENANCE OF TRAFFIC ONLY

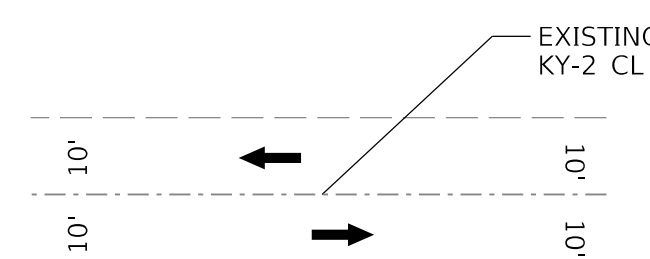
REASONABLE MEANS OF INGRESS AND EGRESS SHALL BE MAINTAINED TO ALL PROPERTIES WITHIN THE PROJECT LIMITS. ACCESS TO FIRE HYDRANTS MUST ALSO BE MAINTAINED AT ALL TIMES.

WATER-BLAST EXISTING PAINT AS NESSASARY. WATER-BLASTING SHALL BE INCIDENTAL TO MAINTAIN AND CONTROLL TRAFFIC BID ITEM.

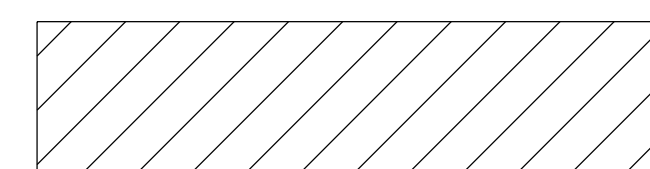
PLACE SIGNS: F, G, D, C, B, A
USE MUTCD GUIDANCE



PLACE SIGNS: F, G, D, C, B, A
USE MUTCD GUIDANCE



TRAFFIC FLOW ALONG
EXISTING KY-2



CONSTRUCTION AREA

PLACE TEMPORARY TRAFFIC CONTROLL DEVICES.

TRAFFIC SHALL BE MANTAINED ON KY-2 WITH 2-WAY,
2-LANE TRAVEL.

TRAFFIC MAY BE CONTROLLED BY USE OF FLAGGERS
AS NESSASARY.

COSTRUCTION IN PHASE 1 SHALL CONSTRUCTION OF
NEW 7'x22' RBCB, GRADING WORK UP TO THE EXISTING
RIGHT SHOULDER, PLACEMENT OF ROADWAY SUBGRADE,
PAVEMENT OF 1 ASPHALT BASE LAYER, AND
CONSTRUCTION OF TEMPORARY ACCESS FOR
ENTRANCES AND APPROACH ROAD FOR PHASE 2.

PLACE SIGNS: F, G, D, C, B, A
USE MUTCD GUIDANCE



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MOT PLAN SHEET - PHASE 1

HORIZONTAL SCALE
SCALE: 1"=50'



STA 1+00 TO 13+25

ITEM NO. 09-40000.00 COUNTY OF CARTER

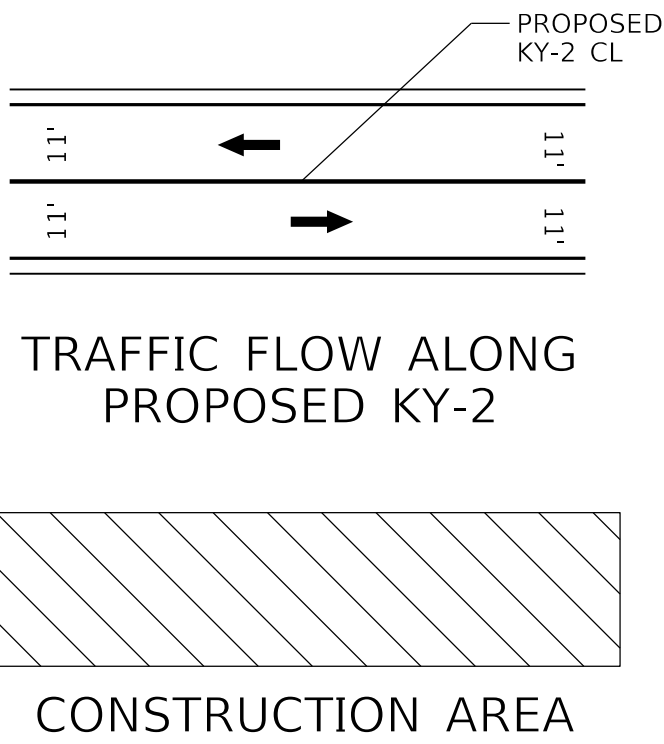
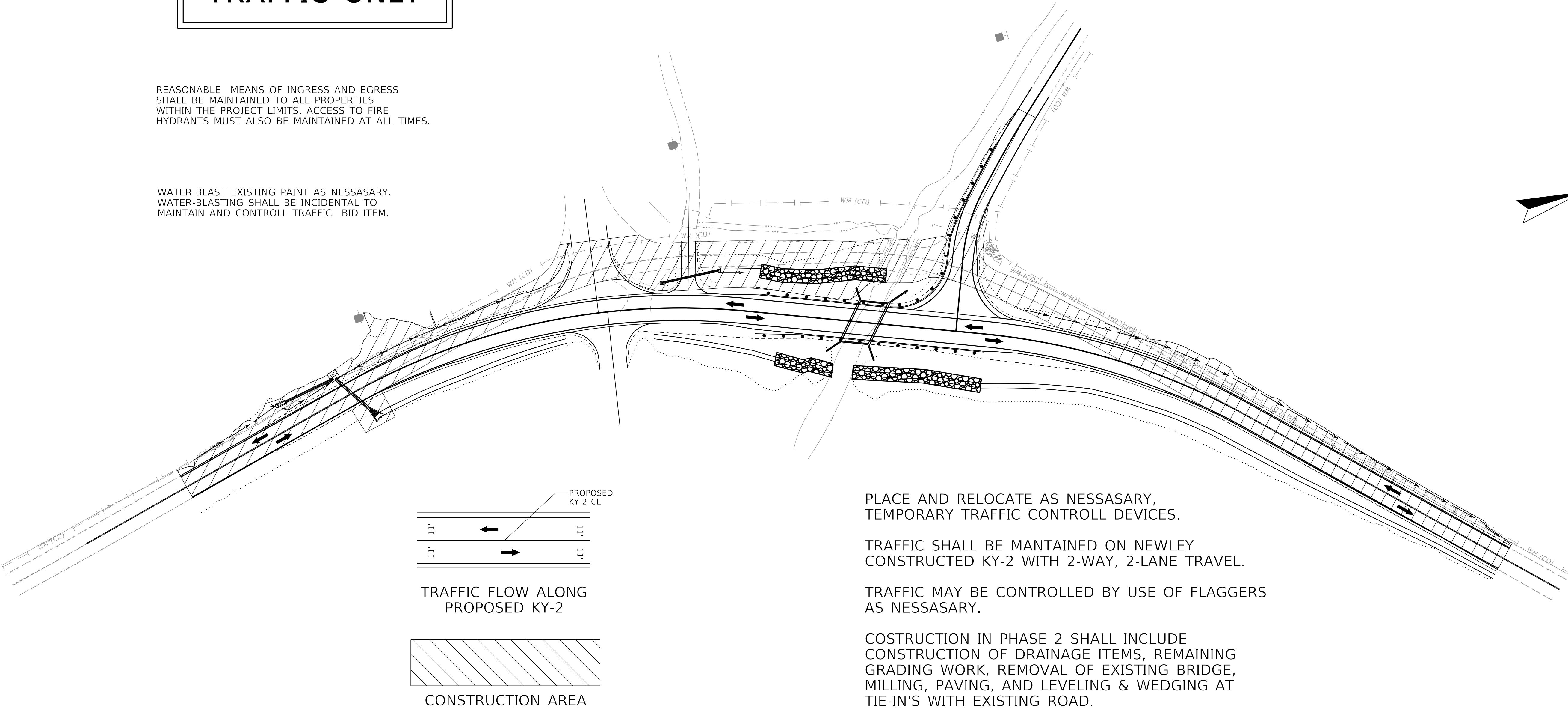
SHEET NO. R11

FOR MAINTENANCE OF
TRAFFIC ONLY

THE TEMPORARY PIPES: 2-60" CPP & 2-48" CMP, ARE TO BE REMOVED AND DELIVERED TO THE CARTER COUNTY MAINTENANCE FACILITY AT 1474 KY-7, GRAYSON, KY 41143. REMOVAL OF THE TEMPORARY PIPES, PAVEMENT, AND BACKFILL IS INCIDENTAL TO THE MAINTENANCE OF TRAFFIC BID ITEM.

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.

WATER-BLAST EXISTING PAINT AS NESSASARY. WATER-BLASTING SHALL BE INCIDENTAL TO MAINTAIN AND CONTROLL TRAFFIC BID ITEM.



PLACE AND RELOCATE AS NESSASARY, TEMPORARY TRAFFIC CONTROL DEVICES.

TRAFFIC SHALL BE MAINTAINED ON NEWLEY CONSTRUCTED KY-2 WITH 2-WAY, 2-LANE TRAVEL.

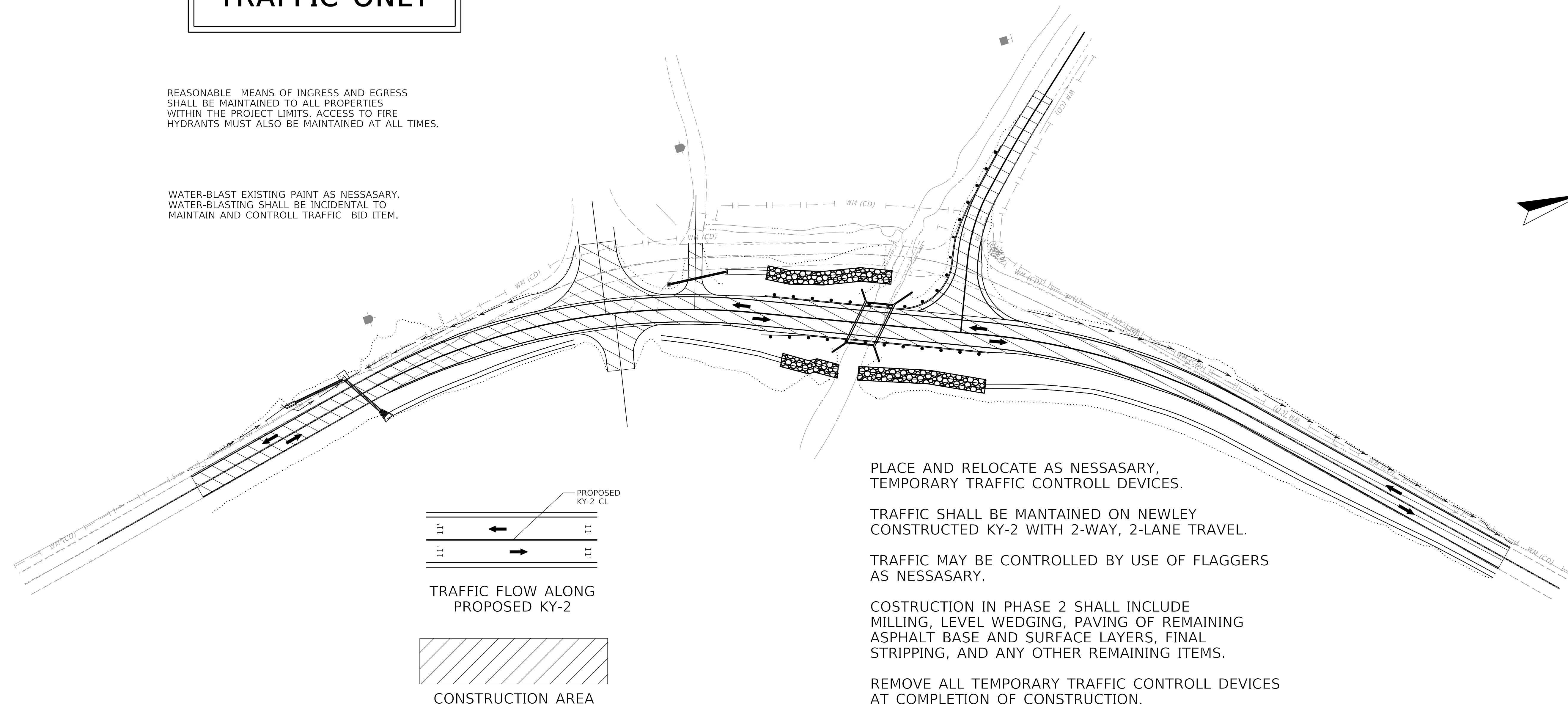
TRAFFIC MAY BE CONTROLLED BY USE OF FLAGGERS AS NESSASARY.

COSTRUCTION IN PHASE 2 SHALL INCLUDE CONSTRUCTION OF DRAINAGE ITEMS, REMAINING GRADING WORK, REMOVAL OF EXISTING BRIDGE, MILLING, PAVING, AND LEVELING & WEDGING AT TIE-IN'S WITH EXISTING ROAD.

FOR MAINTENANCE OF TRAFFIC ONLY

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.

WATER-BLAST EXISTING PAINT AS NECESSARY.
WATER-BLASTING SHALL BE INCIDENTAL TO
MAINTAIN AND CONTROL TRAFFIC BID ITEM.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

TEAM
KENTUCKY

DRAWING TITLE: MOT PLAN SHEET - PHASE 3

HORIZONTAL SCALE
SCALE: 1"=50'



STA 1+00 TO 13+25

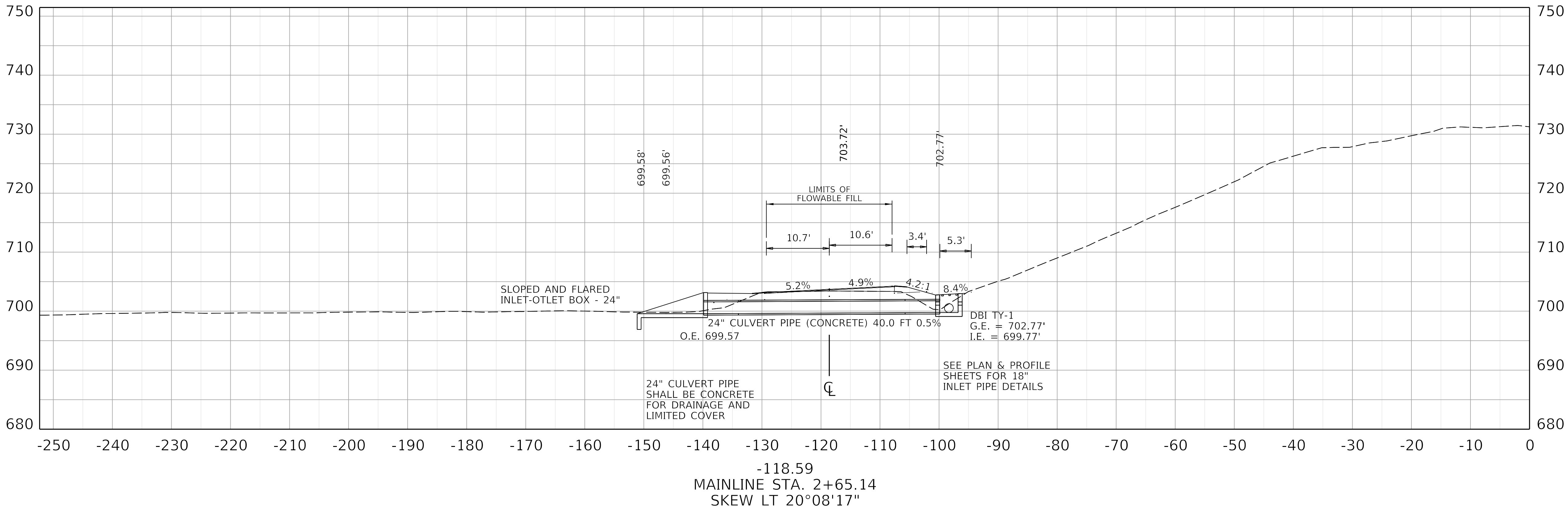
ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. R13

STORM SEWER PIPE				CULVERT PIPE			DESIGN Ph LEVEL	MAXIMUM COVER HEIGHT	DBI TYPE 1	S & F BOX INLET-OUTLET - 24 INCH	FABRIC- GEOTEXTILE CLASS 2 FOR PIPE			
				24"										
L I N E A R F E E T											EACH	EACH	SQ YD	
				40.0			M	1.5'	1	1	71			

FLOOD DATA - CULVERT & DBI 2+65.14				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	10.4	703.07	5.8
CHECK	100	12.6	703.12	6.0
ALLOWABLE HEADWATER = 703.28'				
BASIS FOR AHW	PROP. LOW SHOULDER ELEV.			

* GRATE CONTROLLED HEADWATER



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: PIPE SHEET 1 OF 1

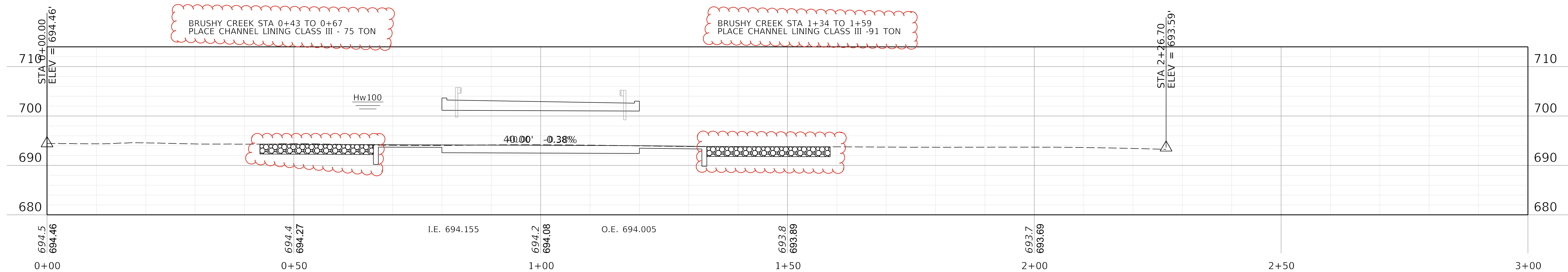
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 2+65.14

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. R14



KY-2 STA. 7+24.07
SKEW 20°30'00" RT
CONST. 7' X 22' RCBC

FLOOD DATA - RCBC 7+24.07				
	RETURN INTERVAL (YR)	RUNOFF (CFS)	HEADWATER ELEVATION (FT)	OUTLET VELOCITY (FPS)
DESIGN	25	1010	701.37	7.79
CHECK	100	1360	702.83	9.01
ALLOWABLE HEADWATER = 702.60'				
BASIS FOR AHW	PROP. LOW SHOULDER ELEV.			

REVISED AUG 7, 2026



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: SITUATIONAL SHEET 1 OF 3



HORIZONTAL SCALE: 1"=10'

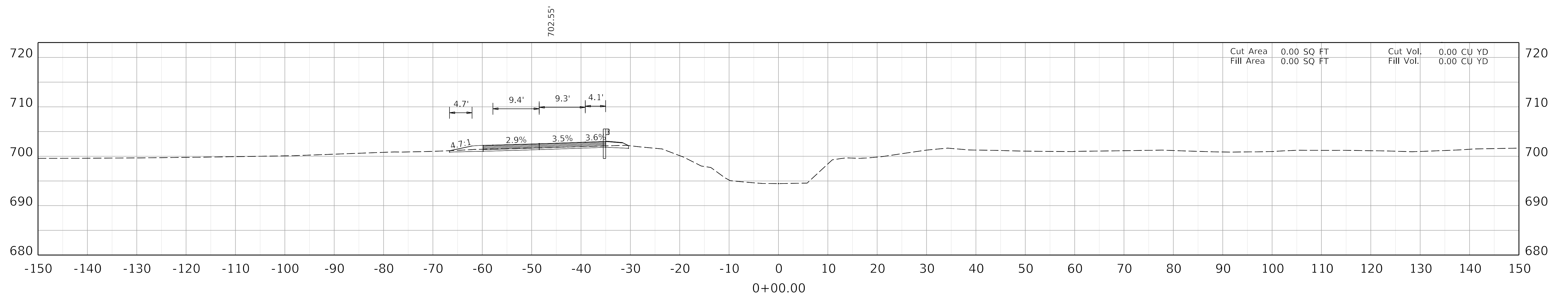
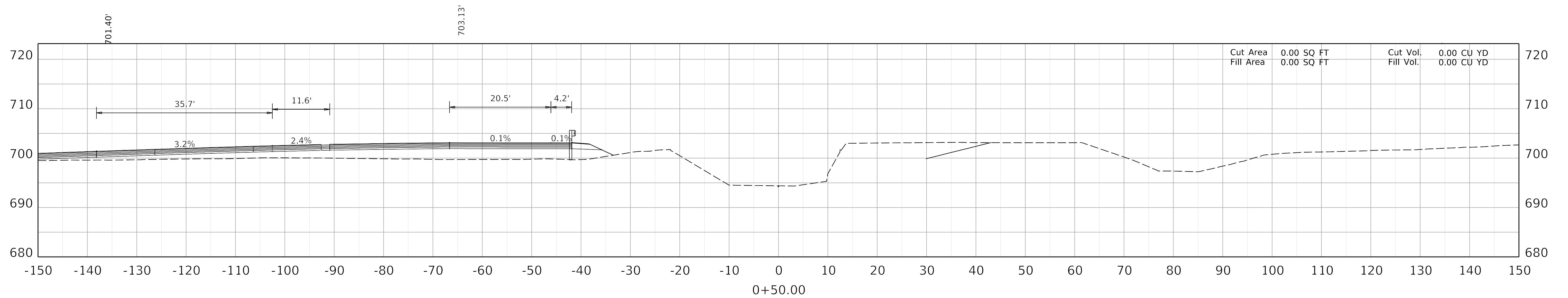
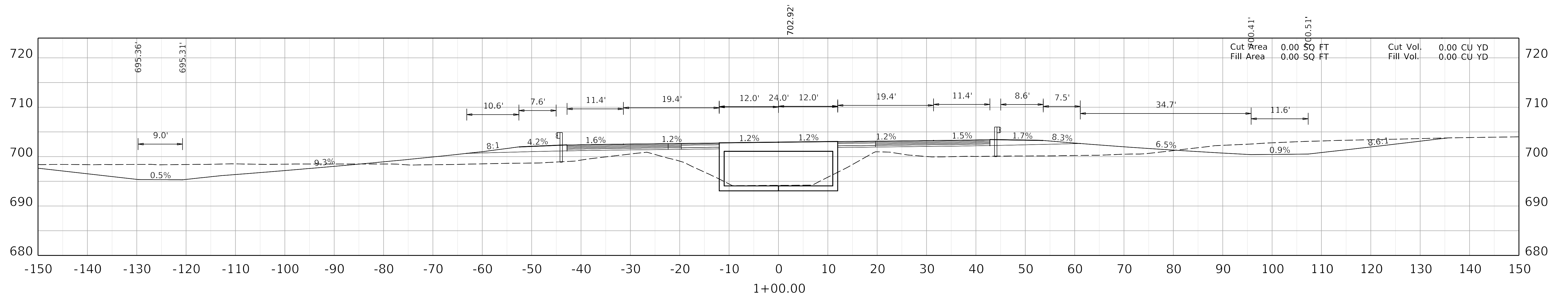


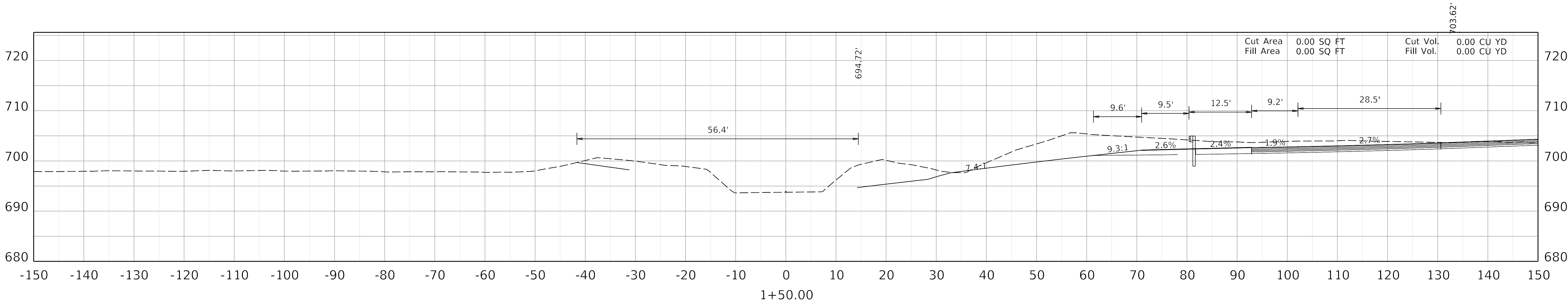
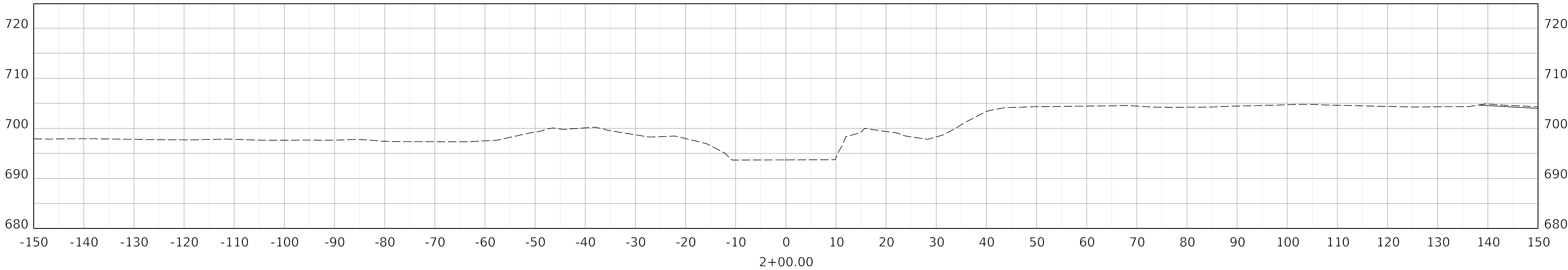
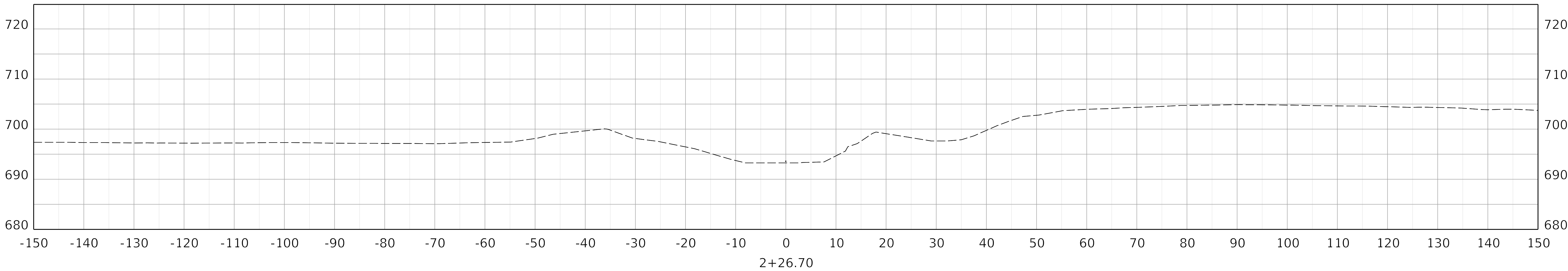
VERTICAL SCALE: 1"=1'

STA 7+24.07

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. R15





COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

TEAM
KENTUCKY

DRAWING TITLE: SITUATIONAL SHEET 3 OF 3

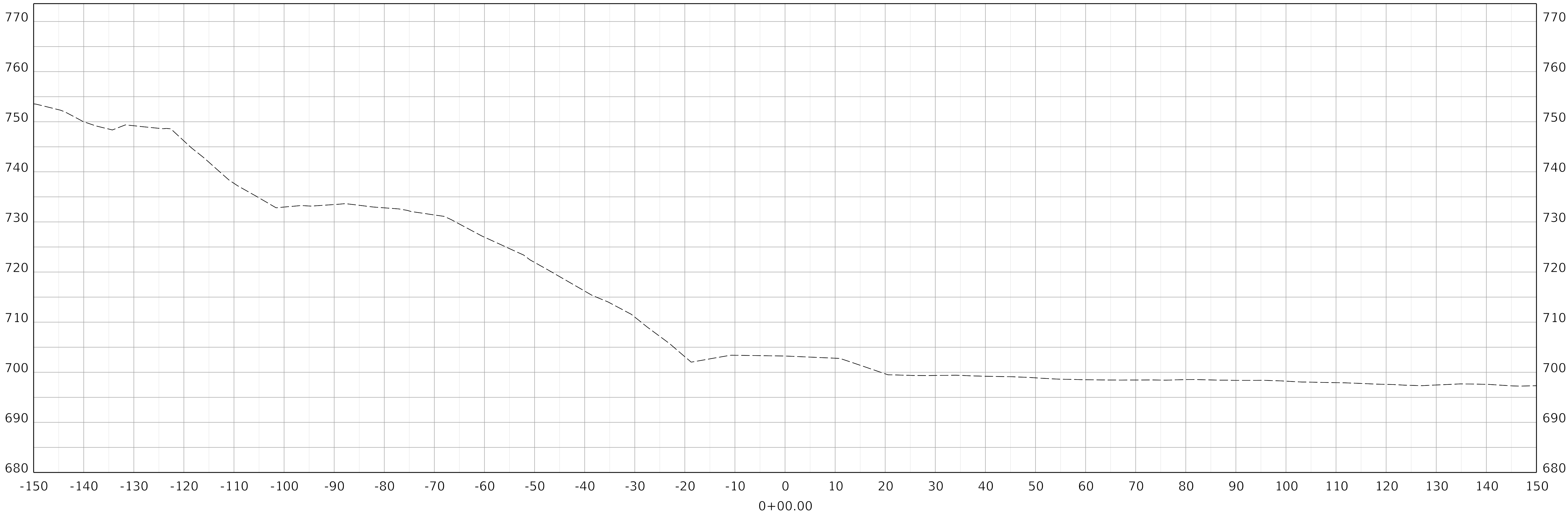
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 1+50 TO 2+26.70

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. R17



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTION

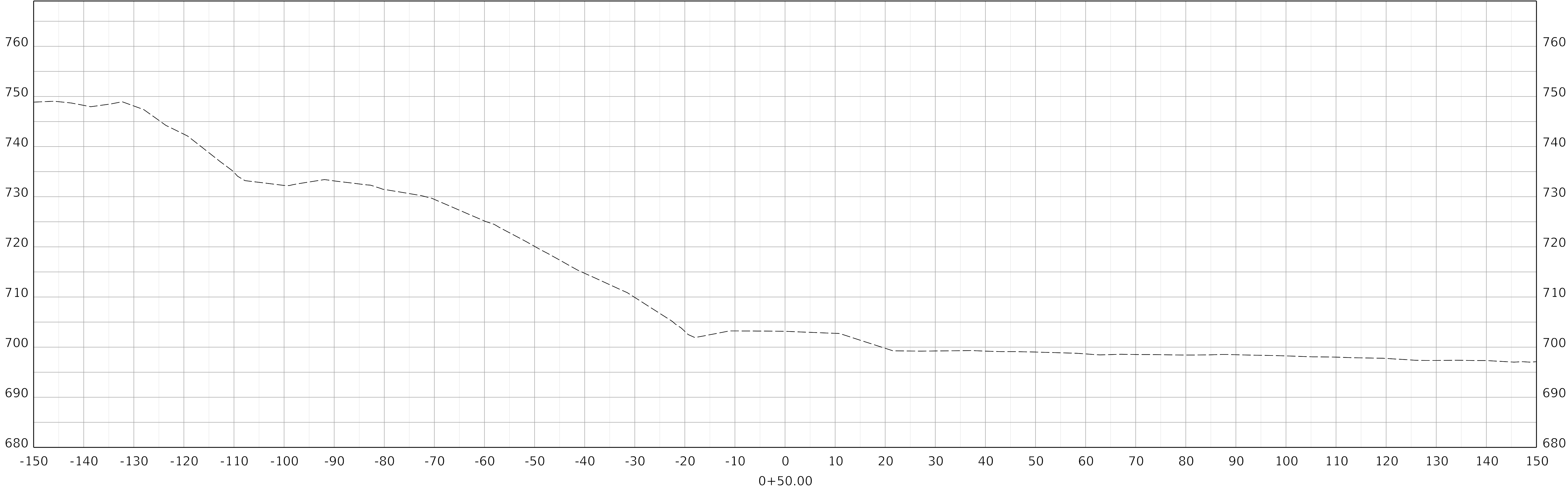
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 0+00 TO 0+00

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X1



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

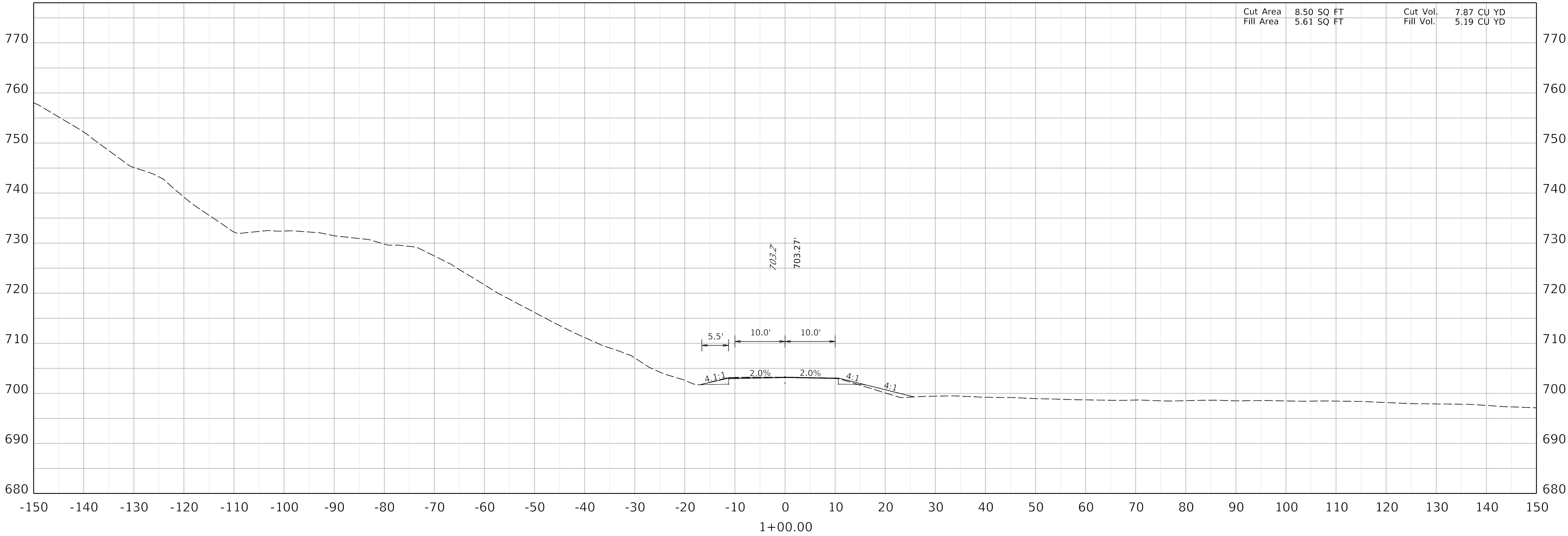
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 0+50 TO 0+50

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X2



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

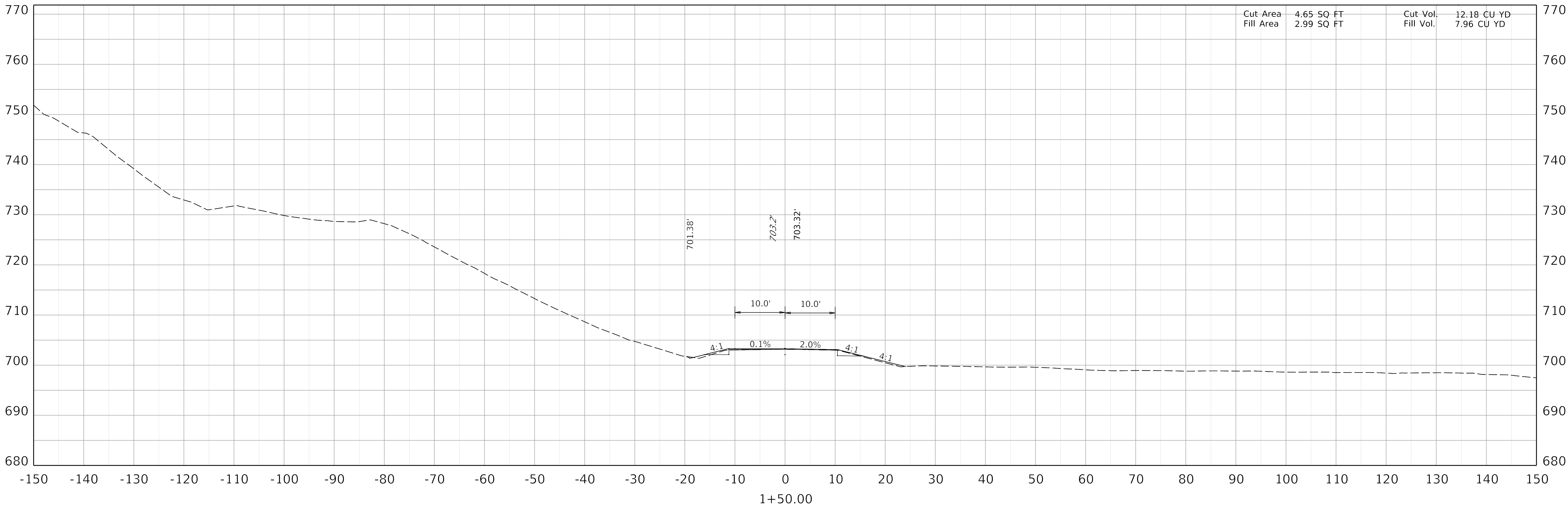
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 1+00 TO 1+00

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X3



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

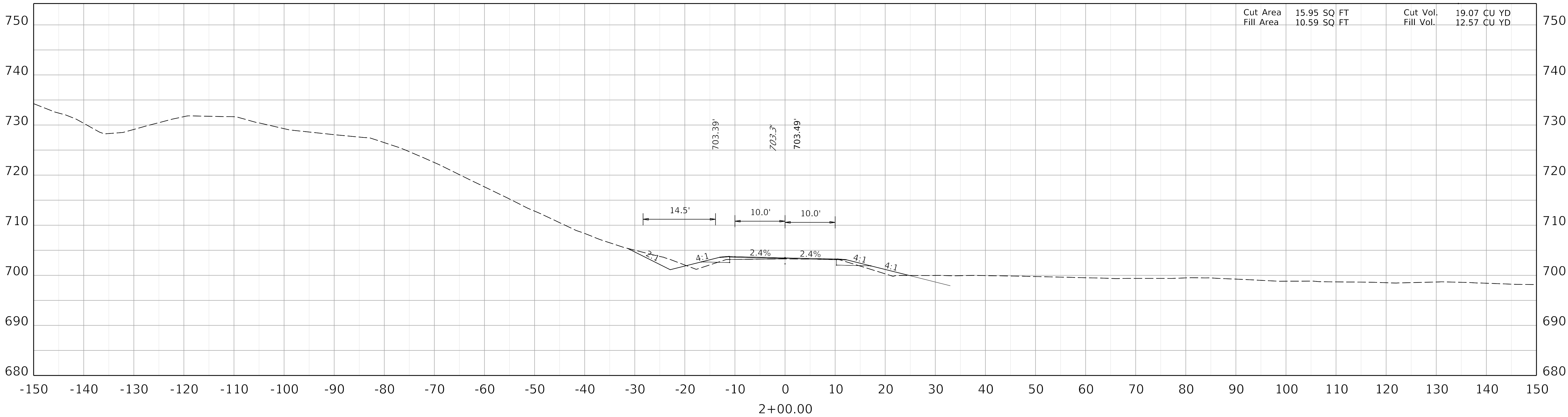
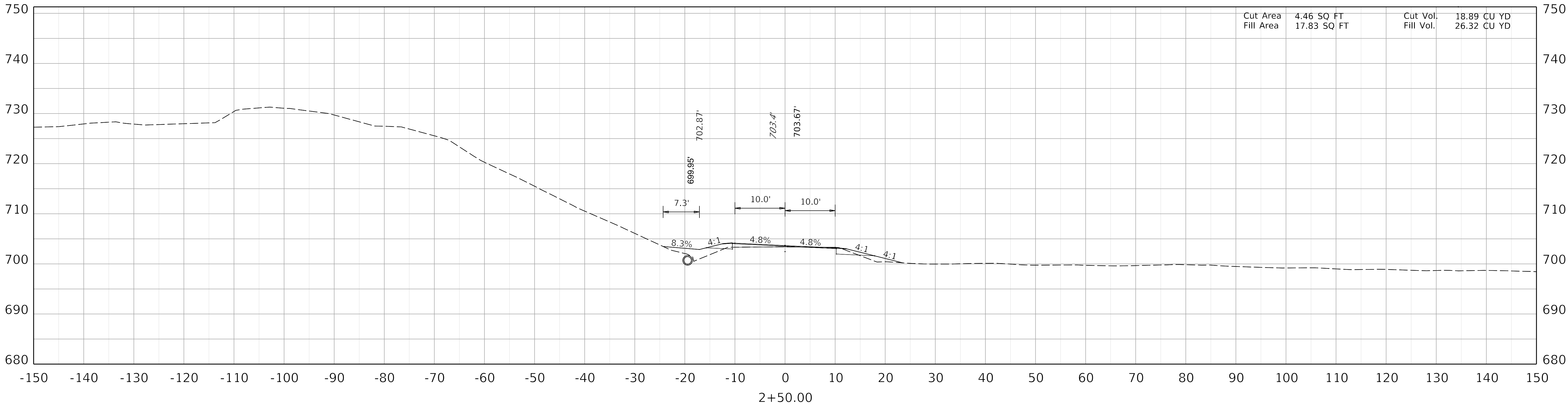
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 1+50 TO 1+50

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X4



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

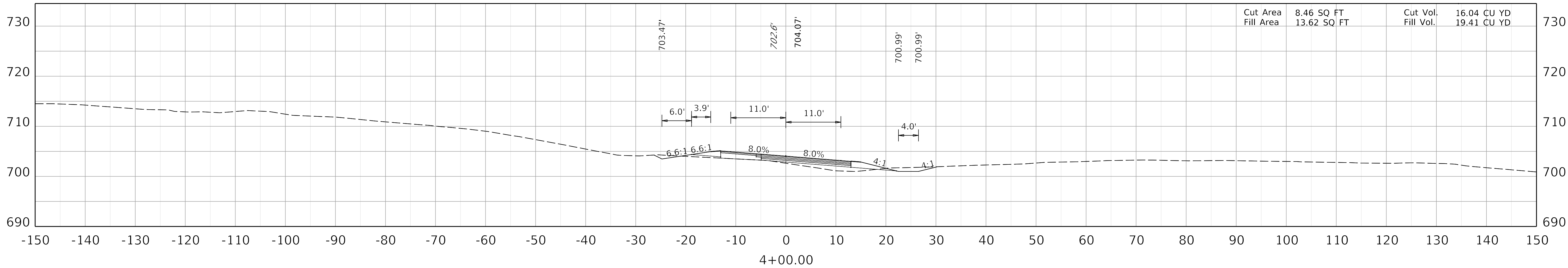
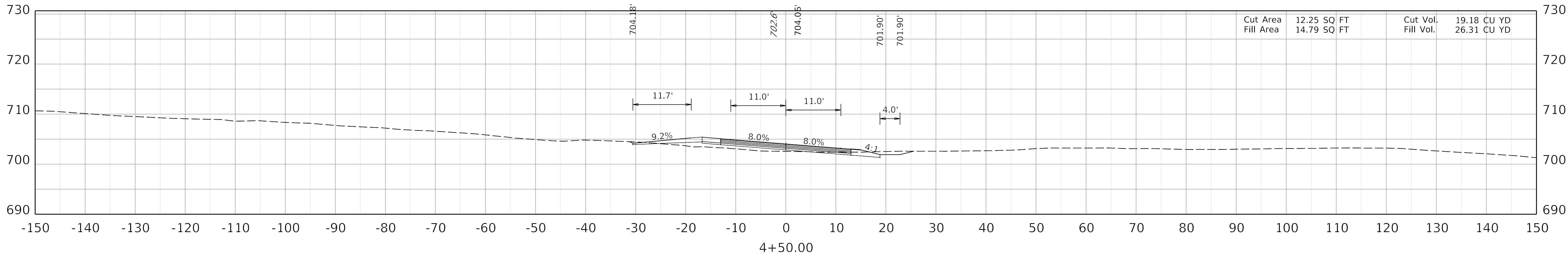
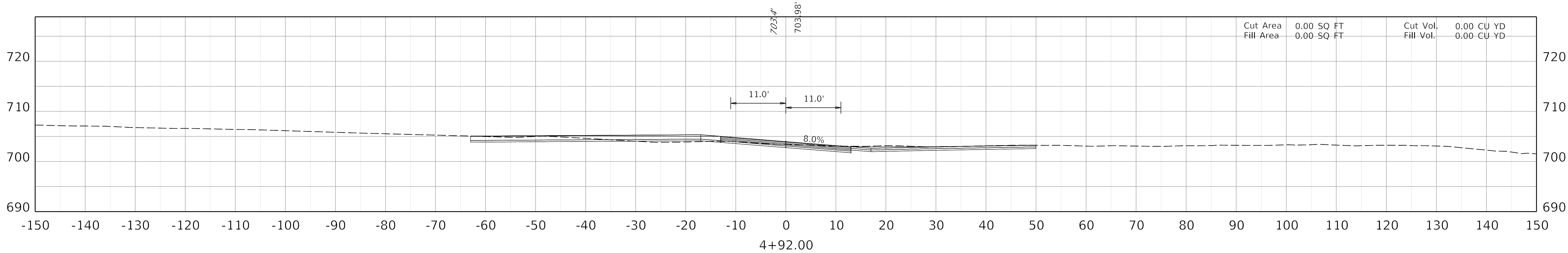
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 2+00 TO 2+50

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X5



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

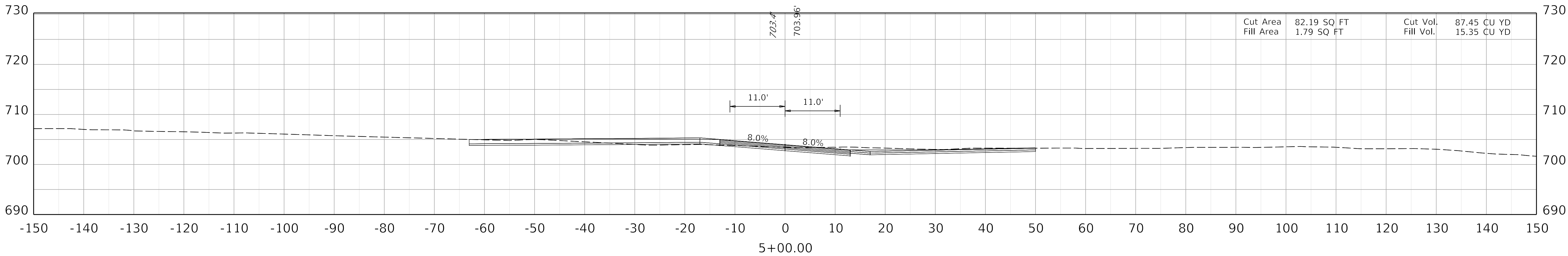
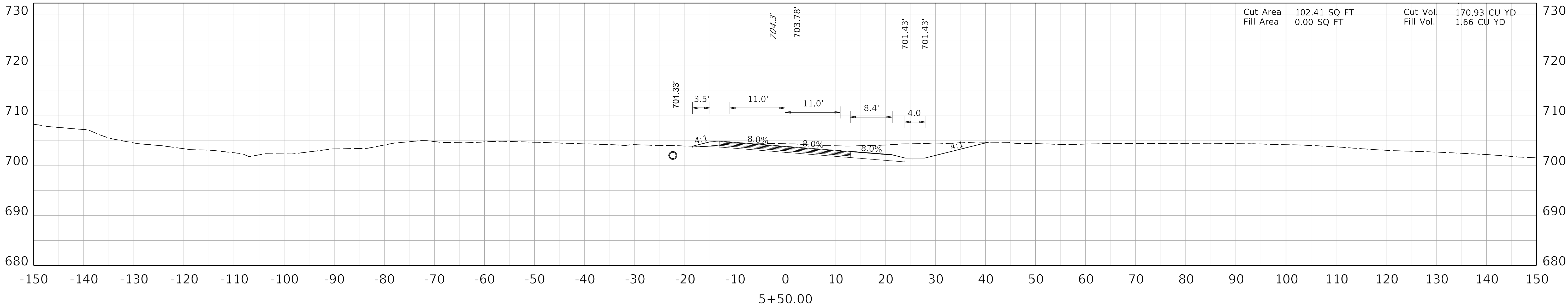
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 4+00 TO 4+92

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X7



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

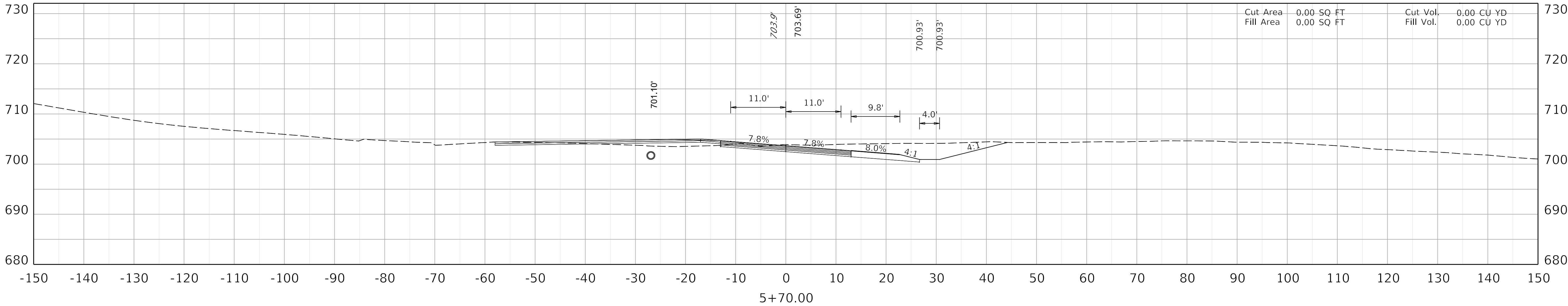
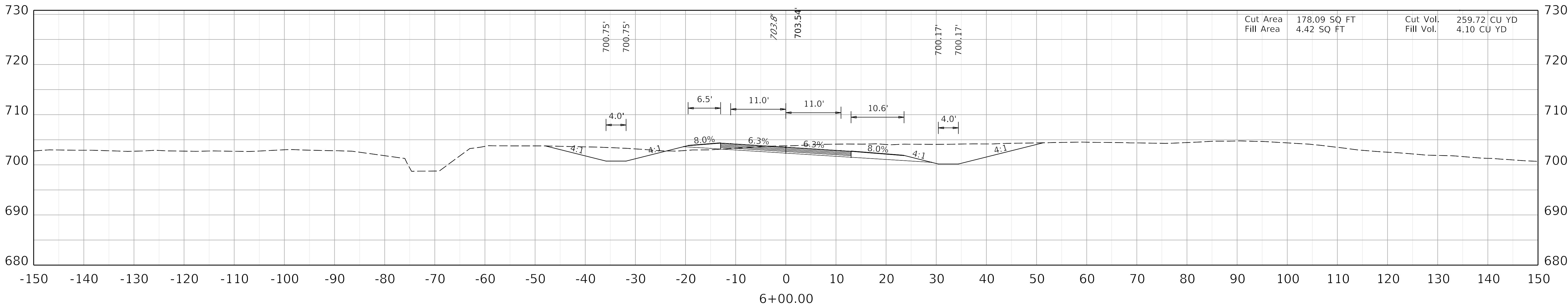
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 5+00 TO 5+50

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X8



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

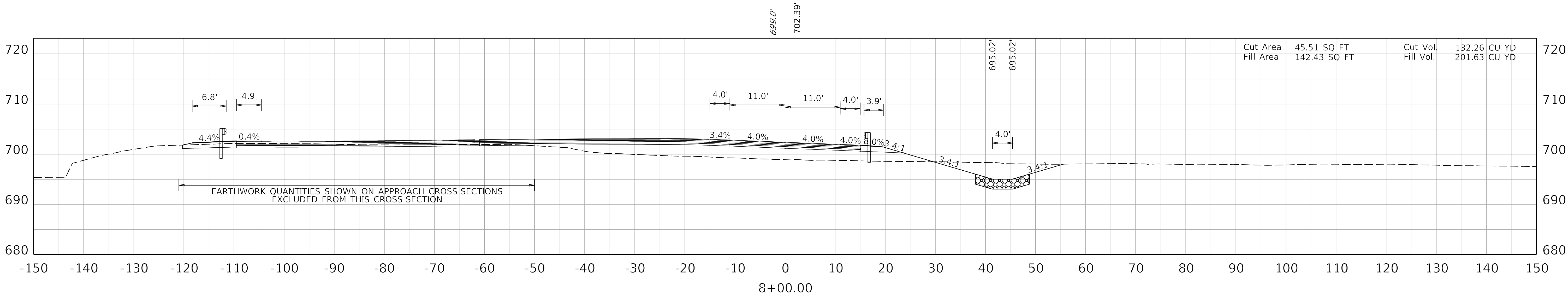
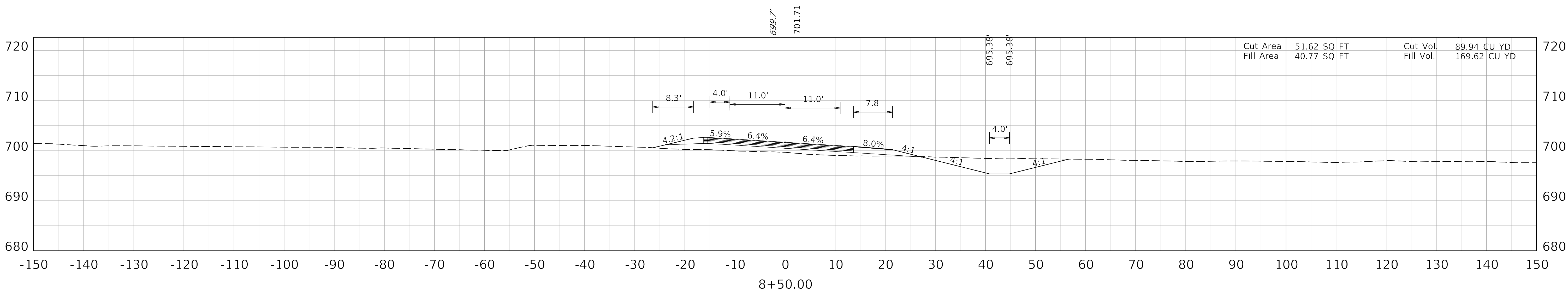
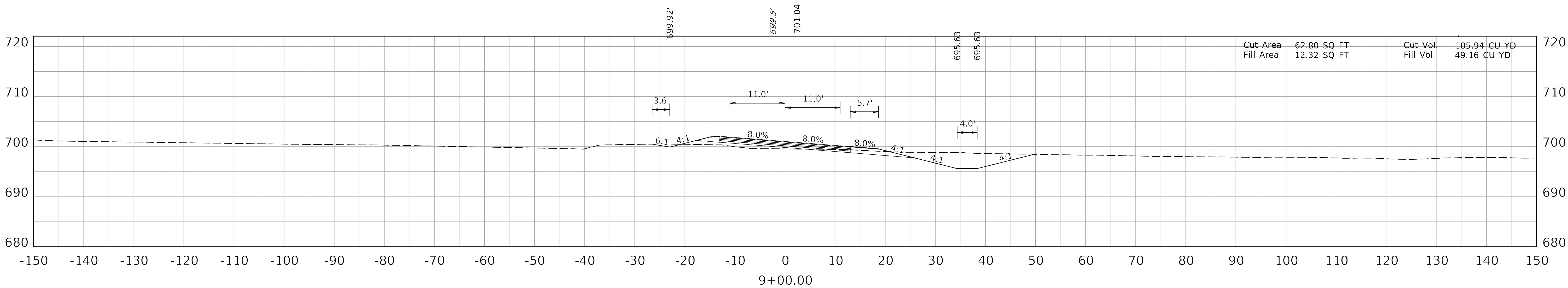
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 5+70 TO 6+00

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X9



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

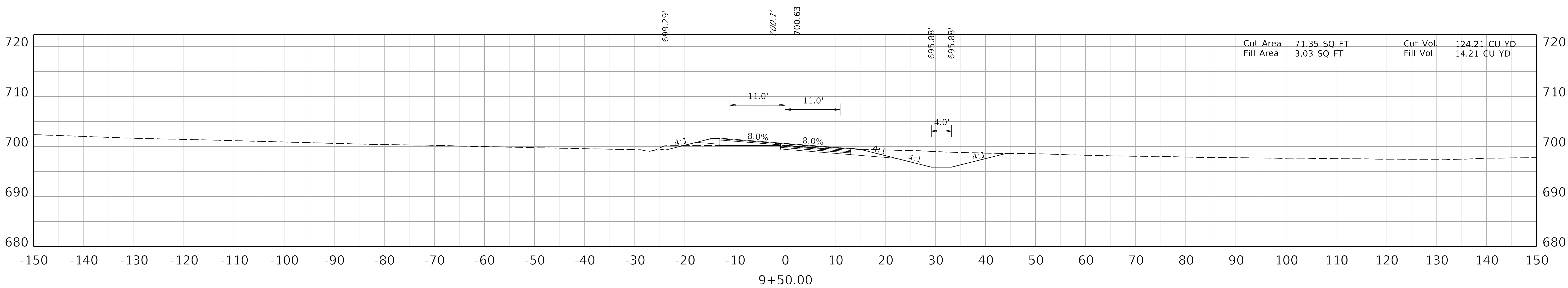
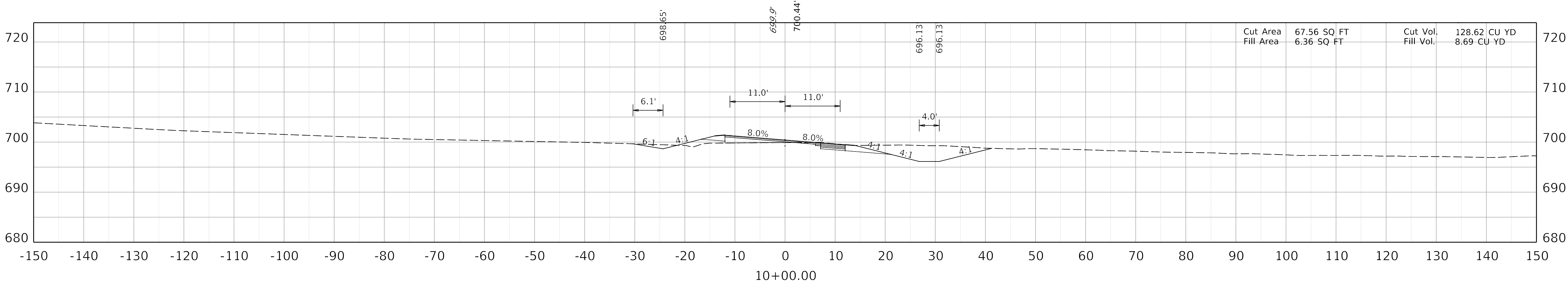
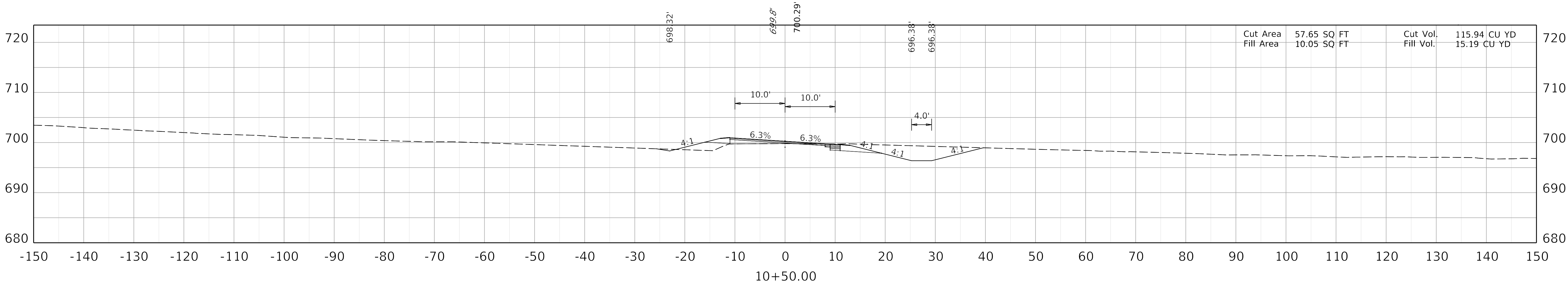
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 8+00 TO 9+00

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X11



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

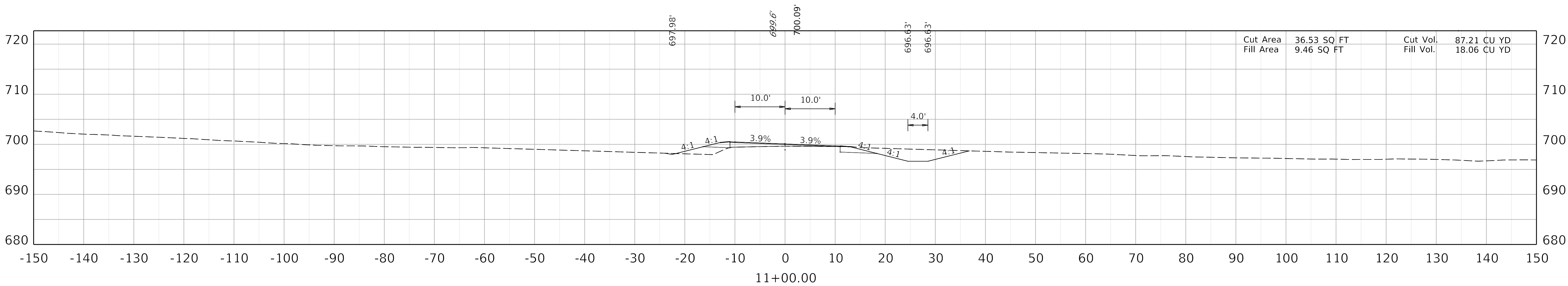
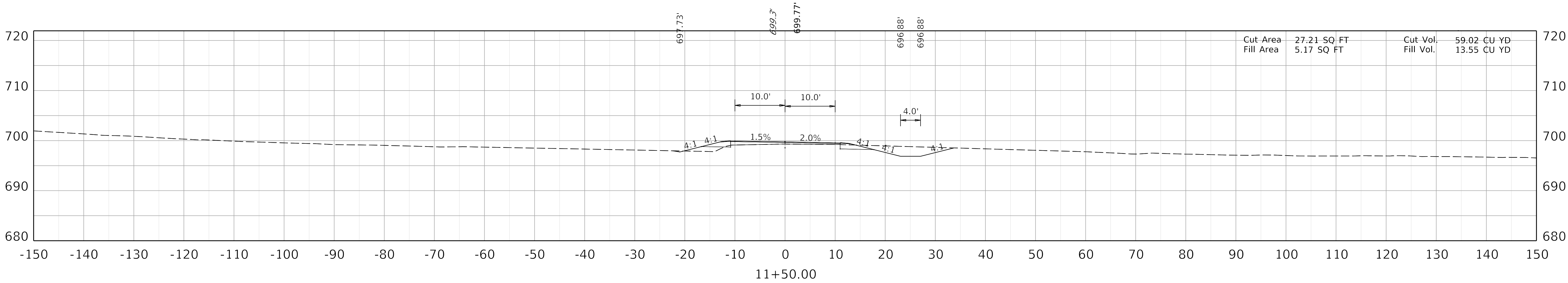
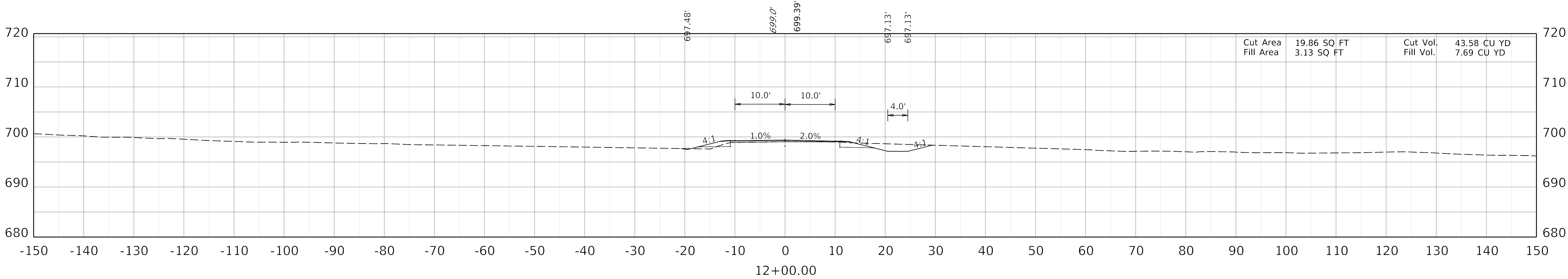
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 9+50 TO 10+50

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X12



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

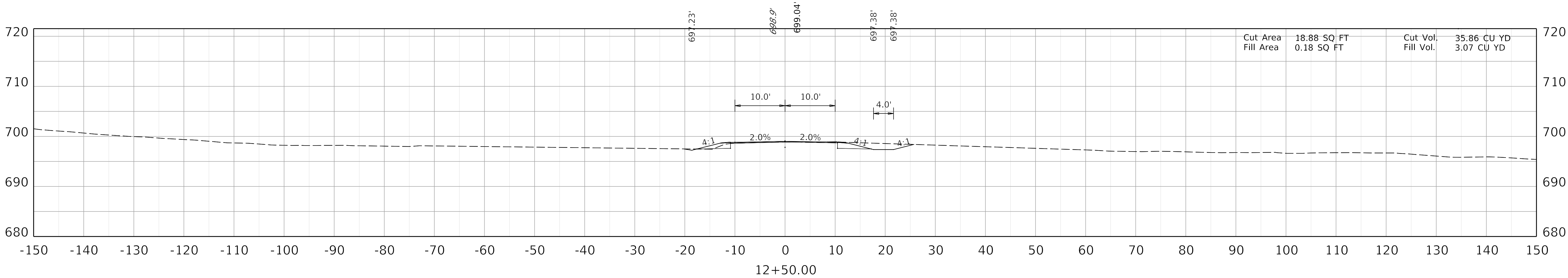
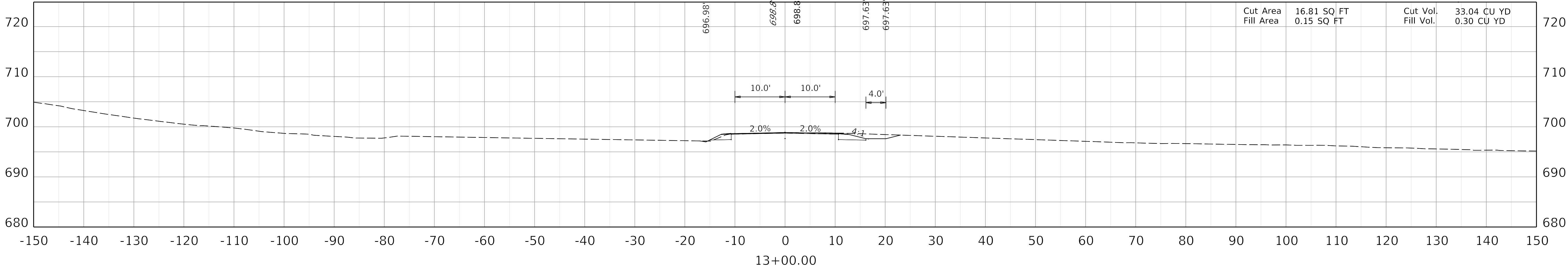
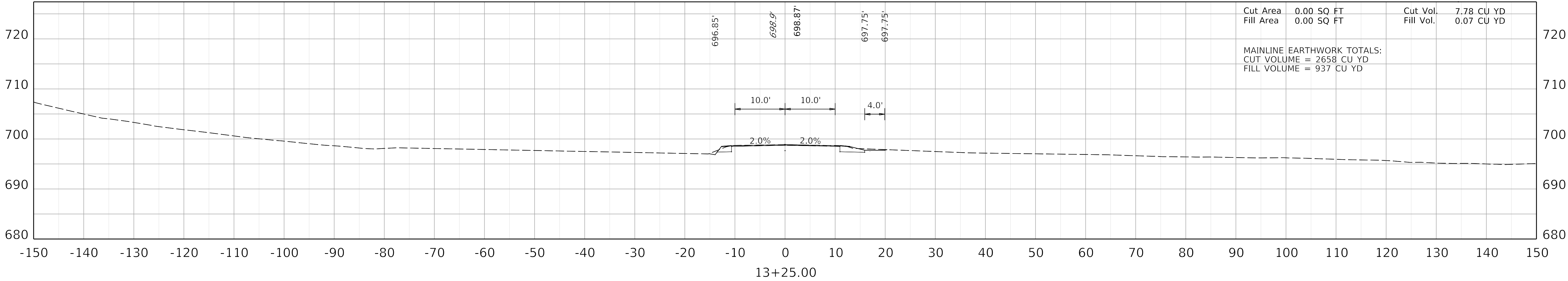
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 11+00 TO 12+00

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X13



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: MAINLINE CROSS SECTIONS

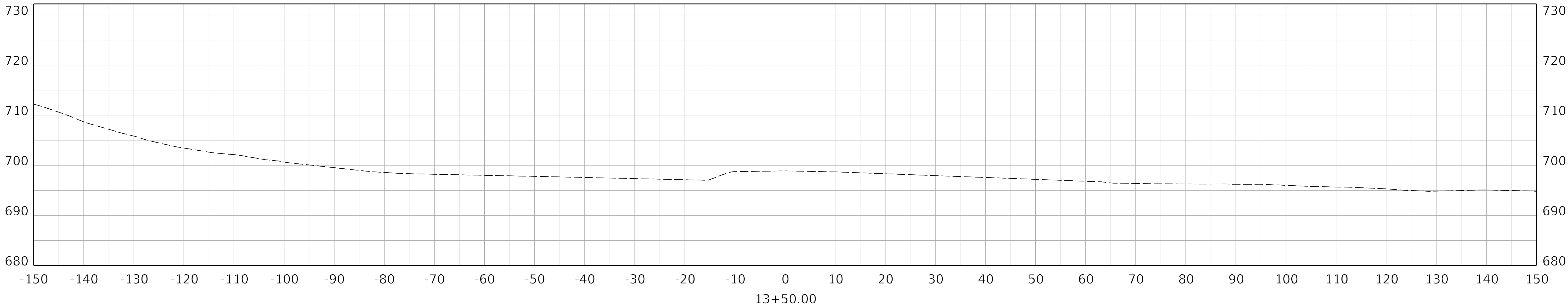
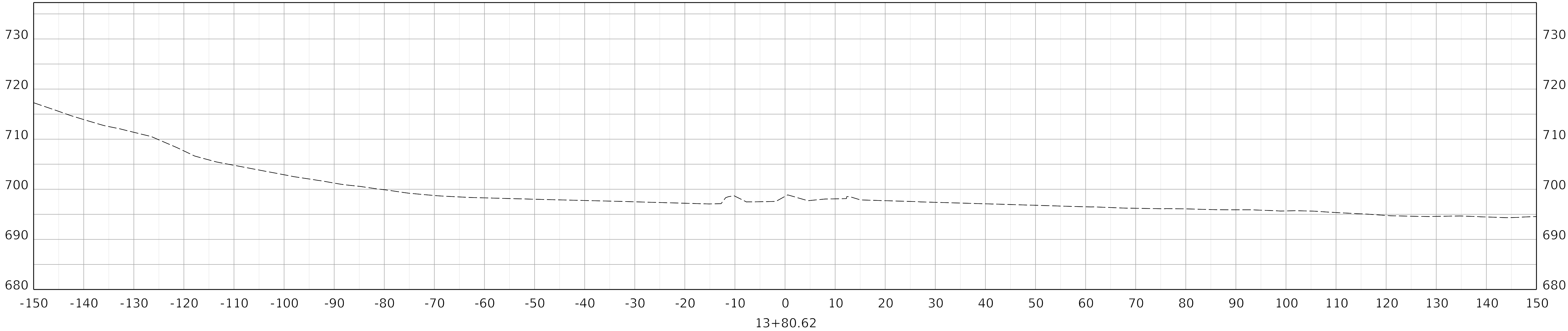
HORIZONTAL SCALE
SCALE: 1" = 10'



STA 12+50 TO 13+25

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X14



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



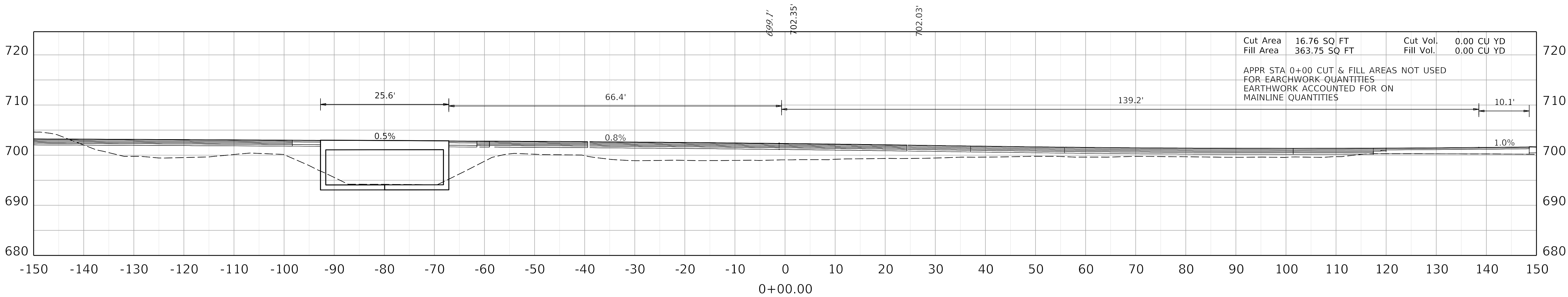
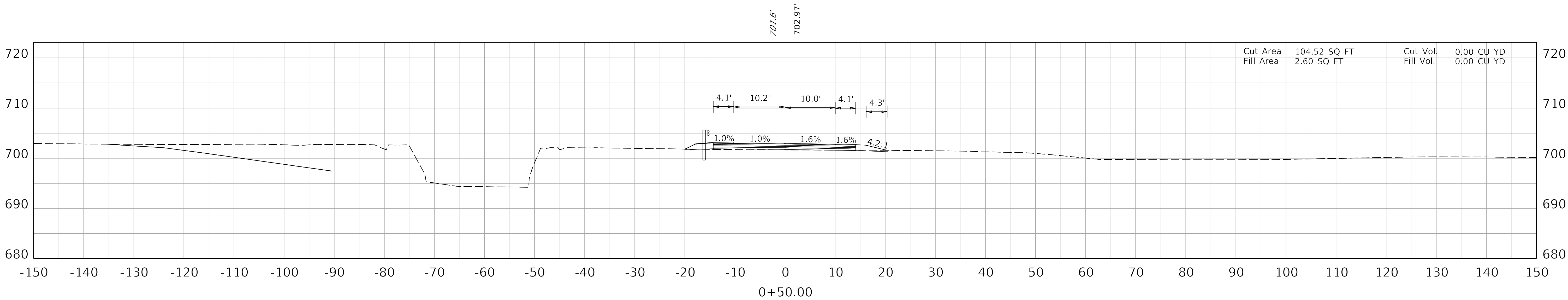
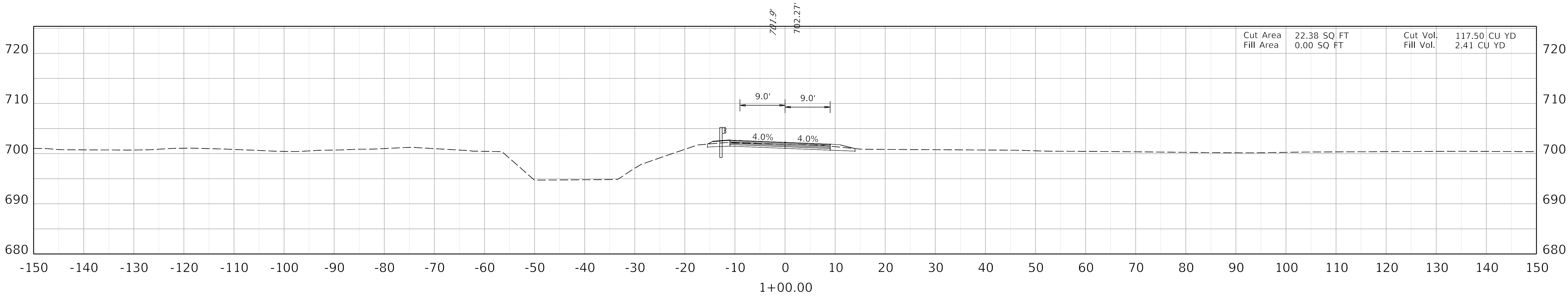
DRAWING TITLE: MAINLINE CROSS SECTIONS

HORIZONTAL SCALE
SCALE: 1" = 10'



STA 13+50 TO 13+80.62

ITEM NO. 09-40000.00	COUNTY OF CARTER
SHEET NO. X15	



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: APPROACH CROSS SECTIONS

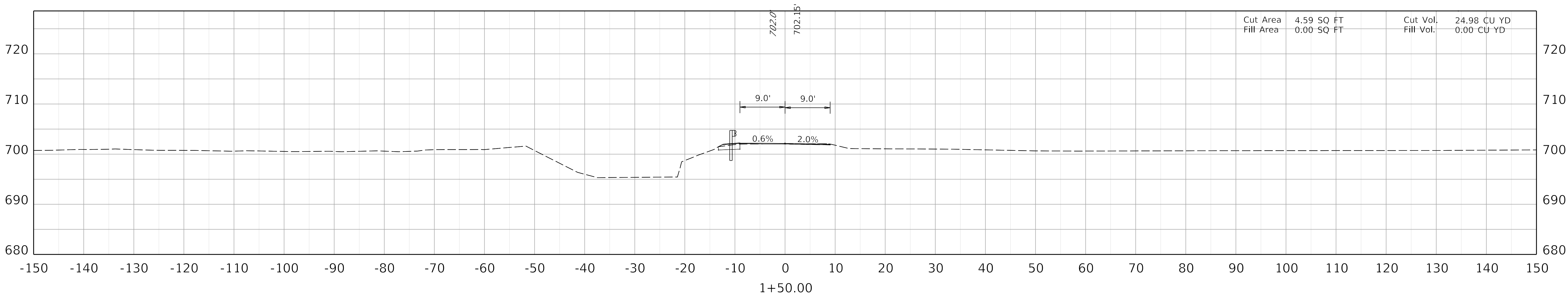
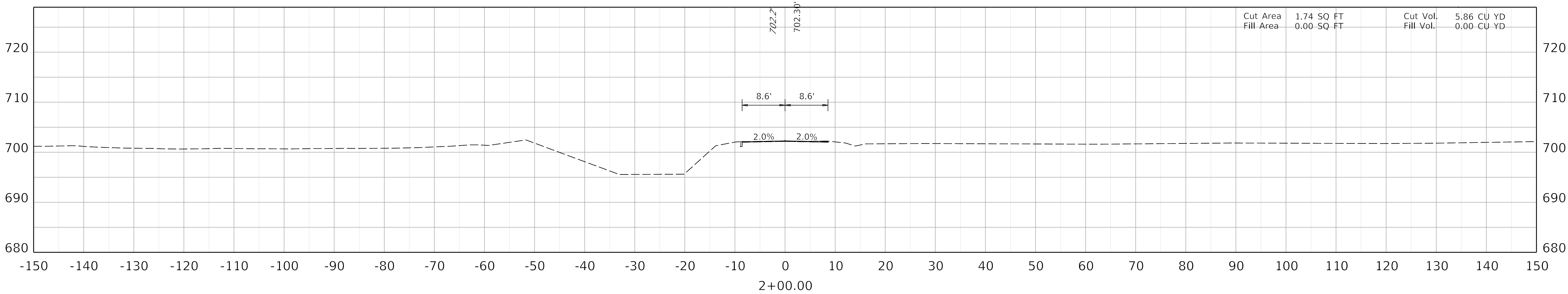
HORIZONTAL SCALE
SCALE: 1" = 10'



APPR STA 0+00 TO 1+00

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X16



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



DRAWING TITLE: APPROACH CROSS SECTIONS

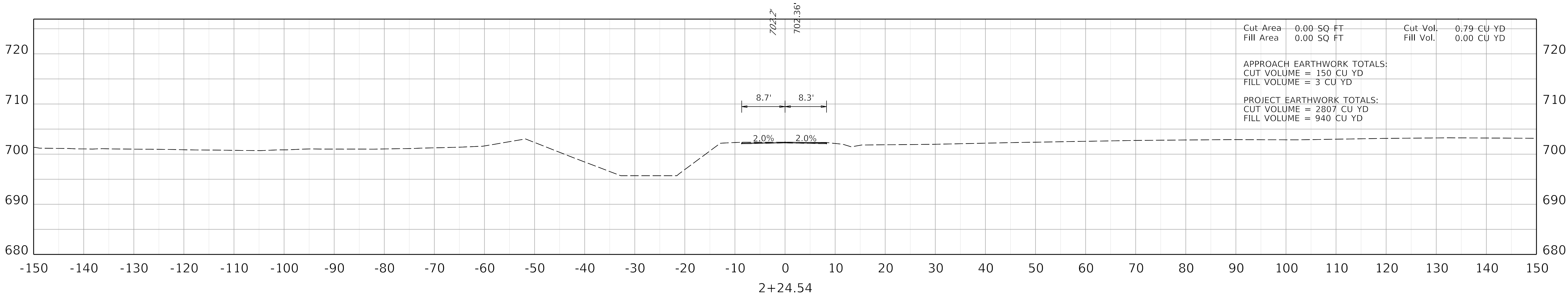
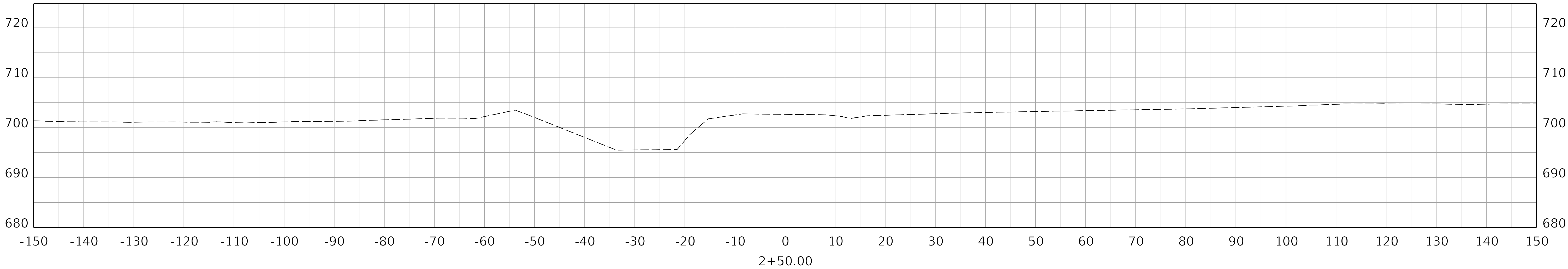
HORIZONTAL SCALE
SCALE: 1" = 10'



APPR STA 1+50 TO 2+00

ITEM NO. 09-40000.00 COUNTY OF CARTER

SHEET NO. X17



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



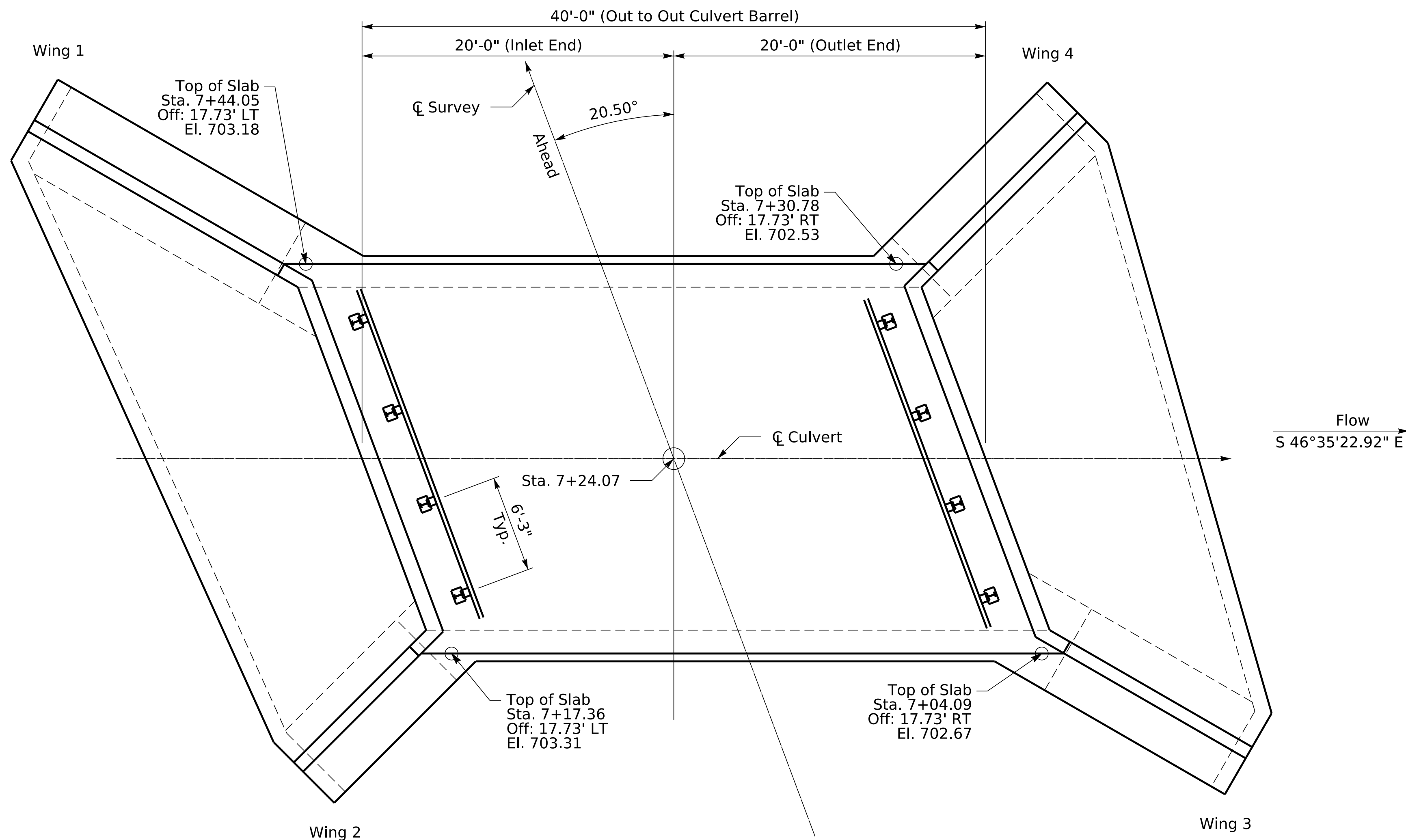
DRAWING TITLE: APPROACH CROSS SECTIONS

HORIZONTAL SCALE
SCALE: 1" = 10'



APPR STA 2+24.54 TO 2+50

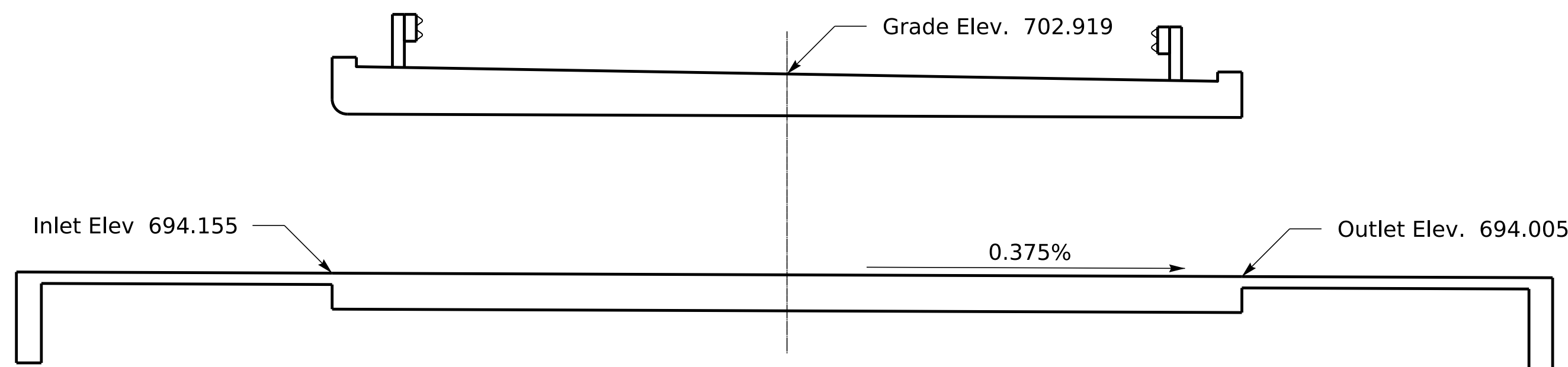
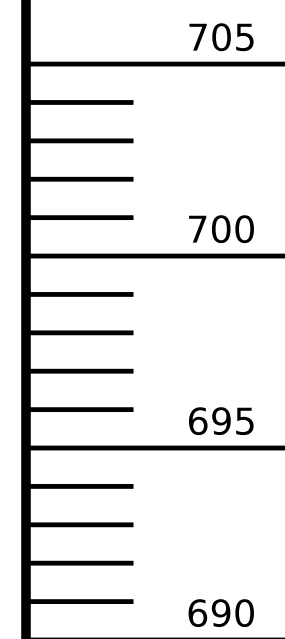
ITEM NO. 09-40000.00 COUNTY OF CARTER
SHEET NO. X18



PLAN
SCALE = 1:60

For Guardrail Attachment
to Culvert Top Slab See
Standard Drawing RBR-015

Note: For Guardrail location,
See Roadway plans.



SECTION ON C
Single 22'-0" x 7'-0" x 40'-0" R.C.B.C.
20'-0" Inlet End and 20'-0" Outlet End
20.50° Rt. Skew ~KY HL-93 Loading ~ 1:2 Fill Slope
Yielding Foundation



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: Brian.Miller

REVISION

DATE

PREPARED BY
**Division of
Structural Design**

DATE: FEBRUARY 2025

DESIGNED BY: J. VAN ZEE

DETAILED BY: K. BISHOP

CHECKED BY

S.T. ANDARDS

J. VAN ZEE

LAYOUT

CROSSING
BRUSHY CREEK

ROUTE

KY 2

ITEM NO.

9-40000.00

SHEET NO.

S2

COUNTY OF

CARTER

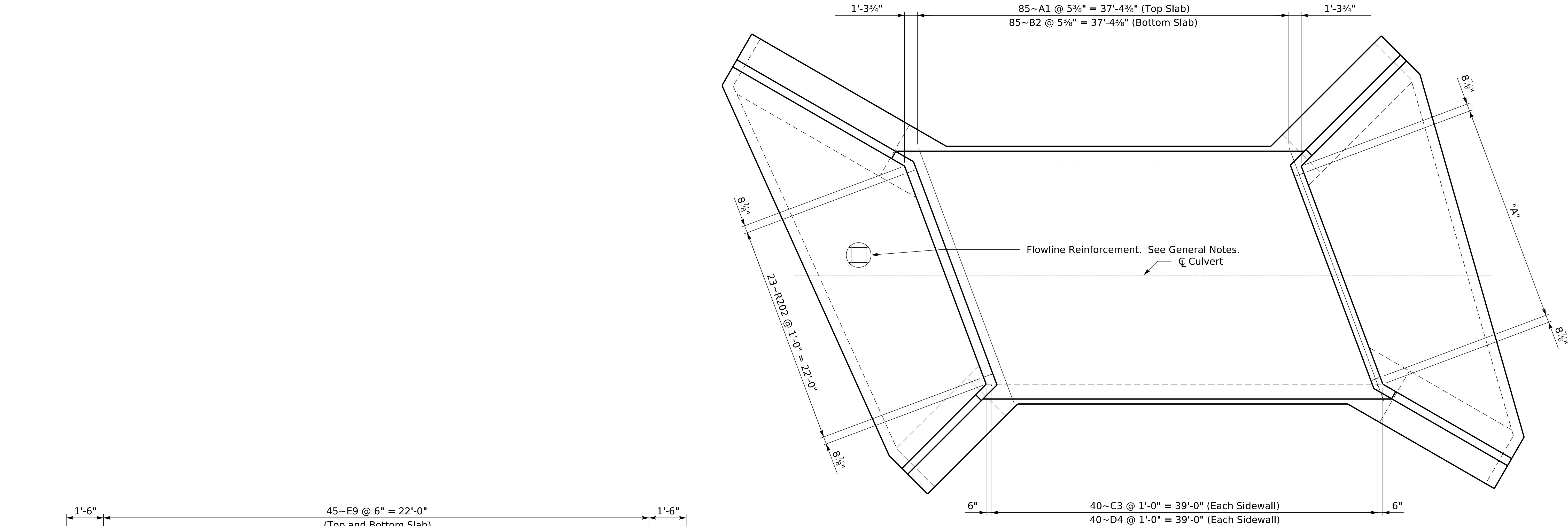
DRAWING NUMBER

28965

MicroStation v10.16.3.31

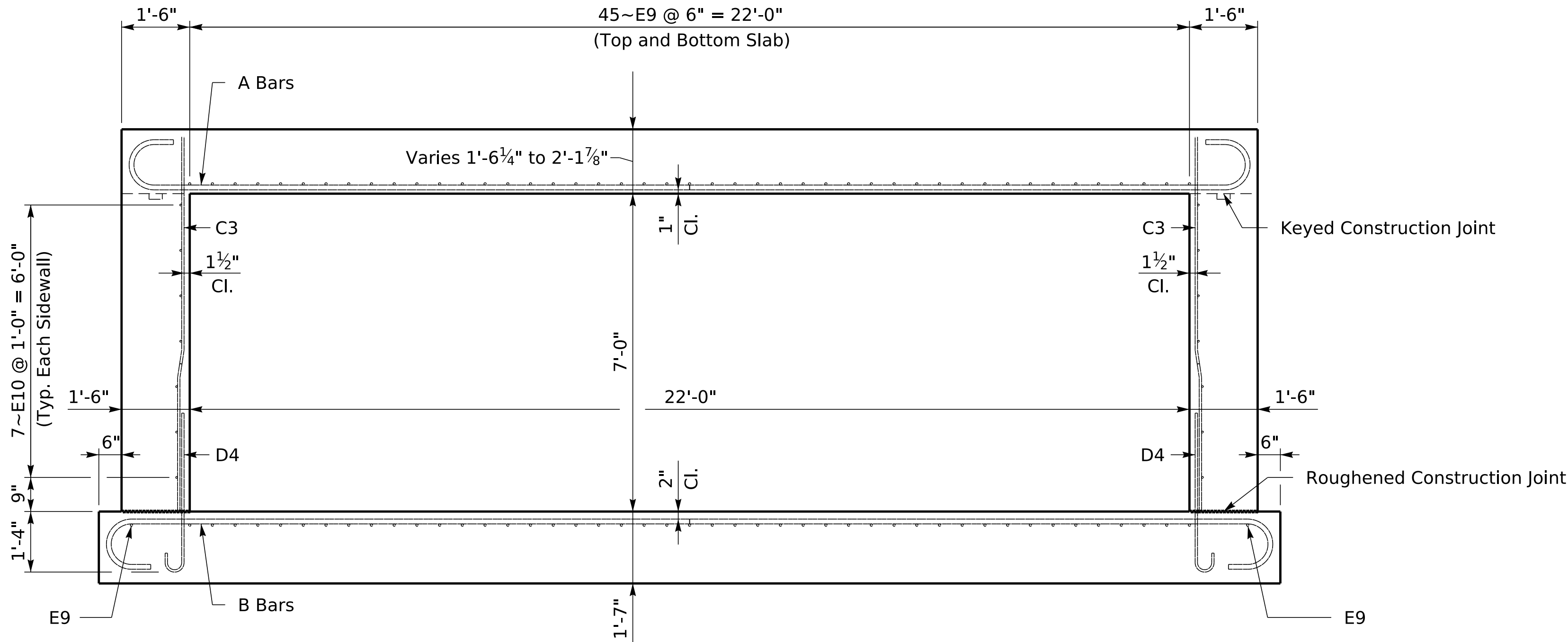
DATE PLOTTED: 27-MAY-2026

FILE NAME: \\eas.ds.ky.gov\dfs\KYTCB00R01P\Active_Projects\District09\9-40000\28965 Carter KY 2 Culvert Design over Brushy Creek\28965.dgn



PLAN
SCALE = 1:60

"A" 23~R203 @ 1'-0" = 22'-0"
Minimum Lap Distance for E 9 Bars 26 in
Minimum Lap Distance for E 10 Bars 21 in



TYPICAL BARREL SECTION
SCALE = 1:24



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: Brian.Miller

REVISION

DATE

PREPARED BY
**Division of
Structural Design**

DATE: FEBRUARY 2025

DESIGNED BY: J. VAN ZEE

DETAILED BY: K. BISHOP

CHECKED BY

S.T. ANDARDS

J. VAN ZEE

BARREL

CROSSING
BRUSHY CREEK

ROUTE

KY 2

ITEM NO.

9-40000.00

SHEET NO.

S3

COUNTY OF

CARTER

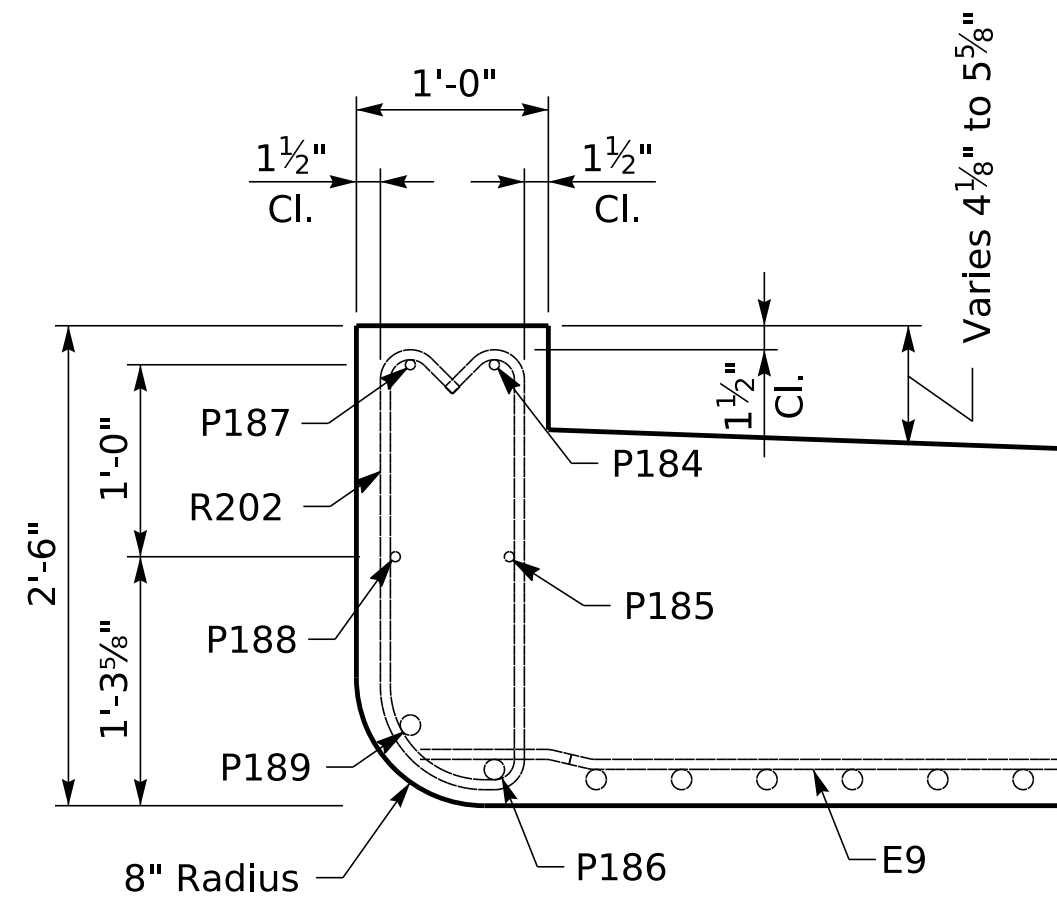
DRAWING NUMBER

28965

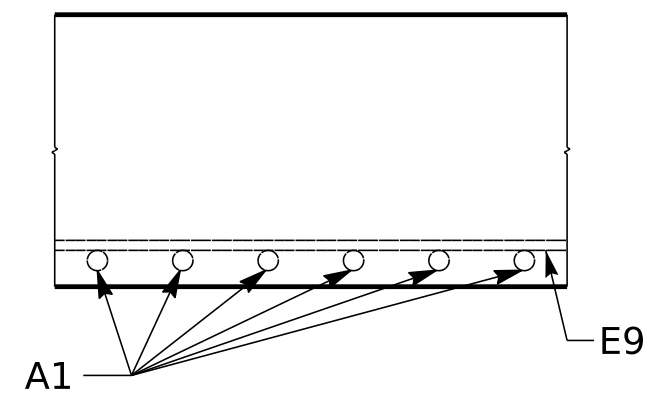
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DATE PLOTTED: 27-MAY-2026

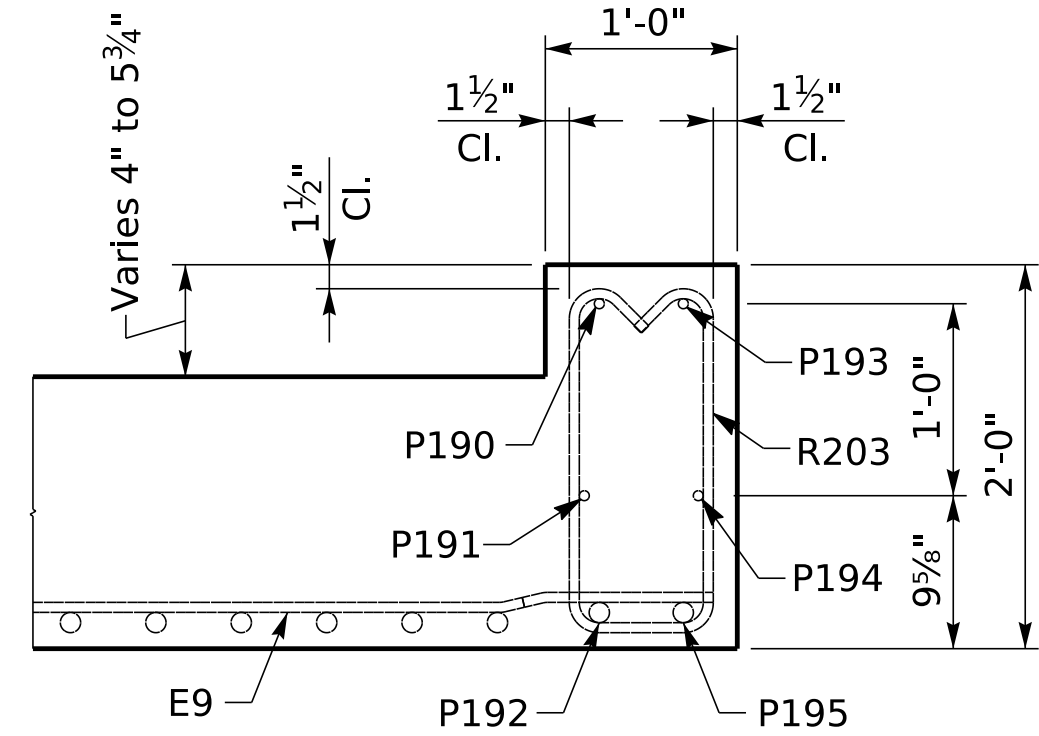
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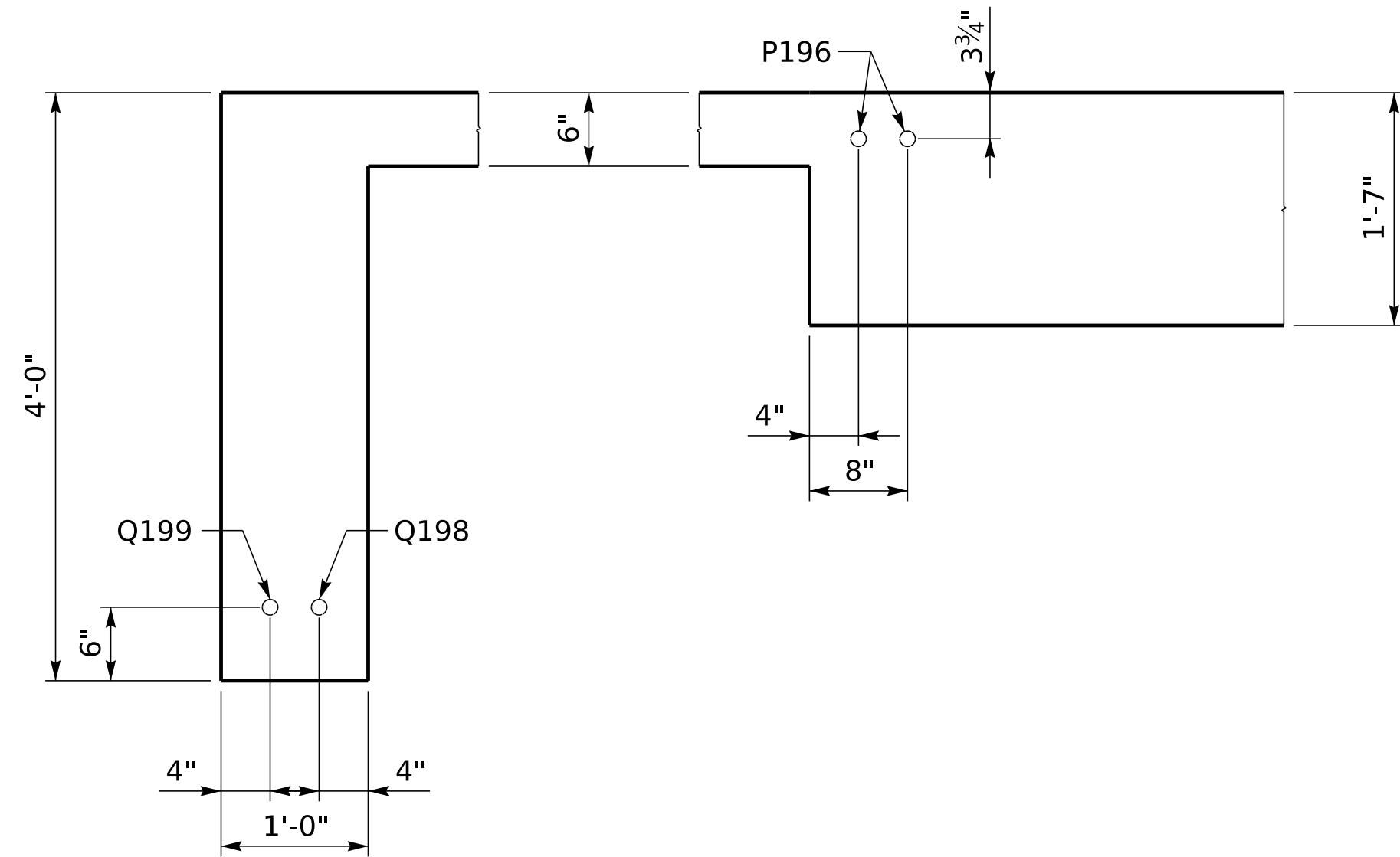
LEFT PARAPET
SCALE = 1:12
(Perpendicular to Parapet)



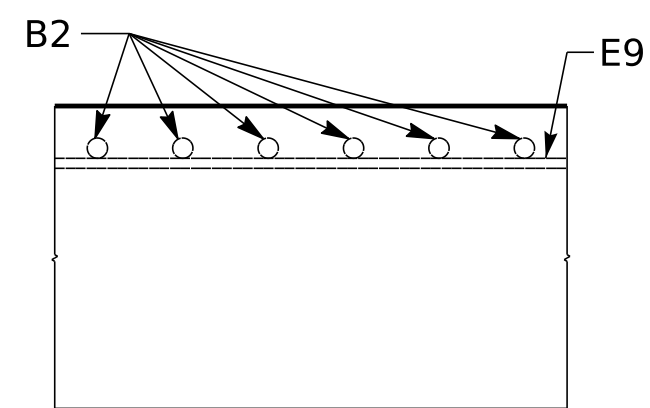
SECTION ON CL
SCALE = 1:12



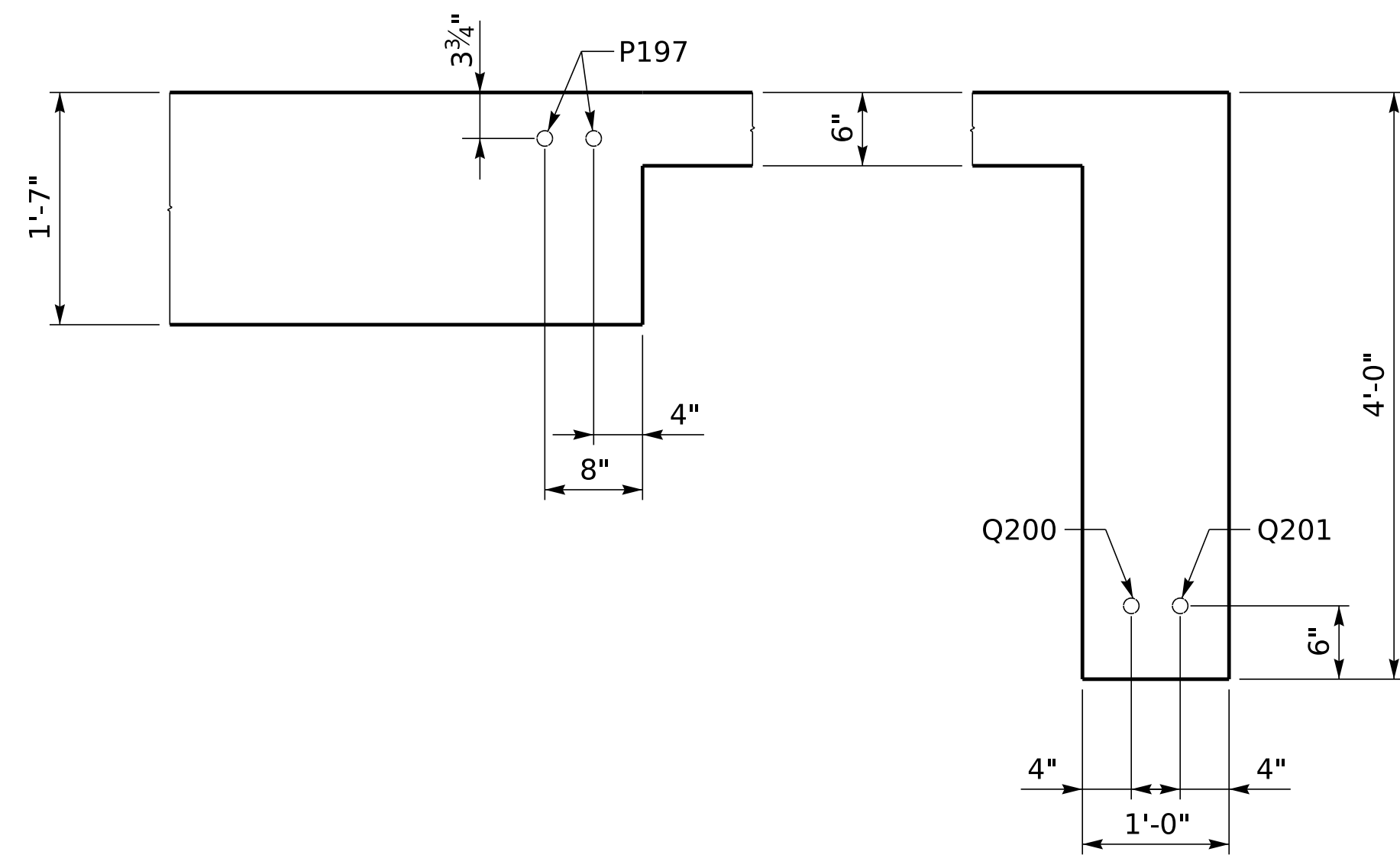
RIGHT PARAPET
SCALE = 1:12
(Perpendicular to Parapet)



LEFT END
SCALE = 1:12
(Perpendicular to Apron)



SECTION ON CL
SCALE = 1:12



RIGHT END
SCALE = 1:12
(Perpendicular to Apron)



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



REVISION

DATE

PREPARED BY

Division of
Structural Design

DATE: FEBRUARY 2025

DESIGNED BY: J. VAN ZEE

DETAILED BY: K. BISHOP

CHECKED BY

S.T. ANDARDS

J. VAN ZEE

BARREL

CROSSING
BRUSHY CREEK

ROUTE

KY 2

ITEM NO.

9-40000.00

SHEET NO.

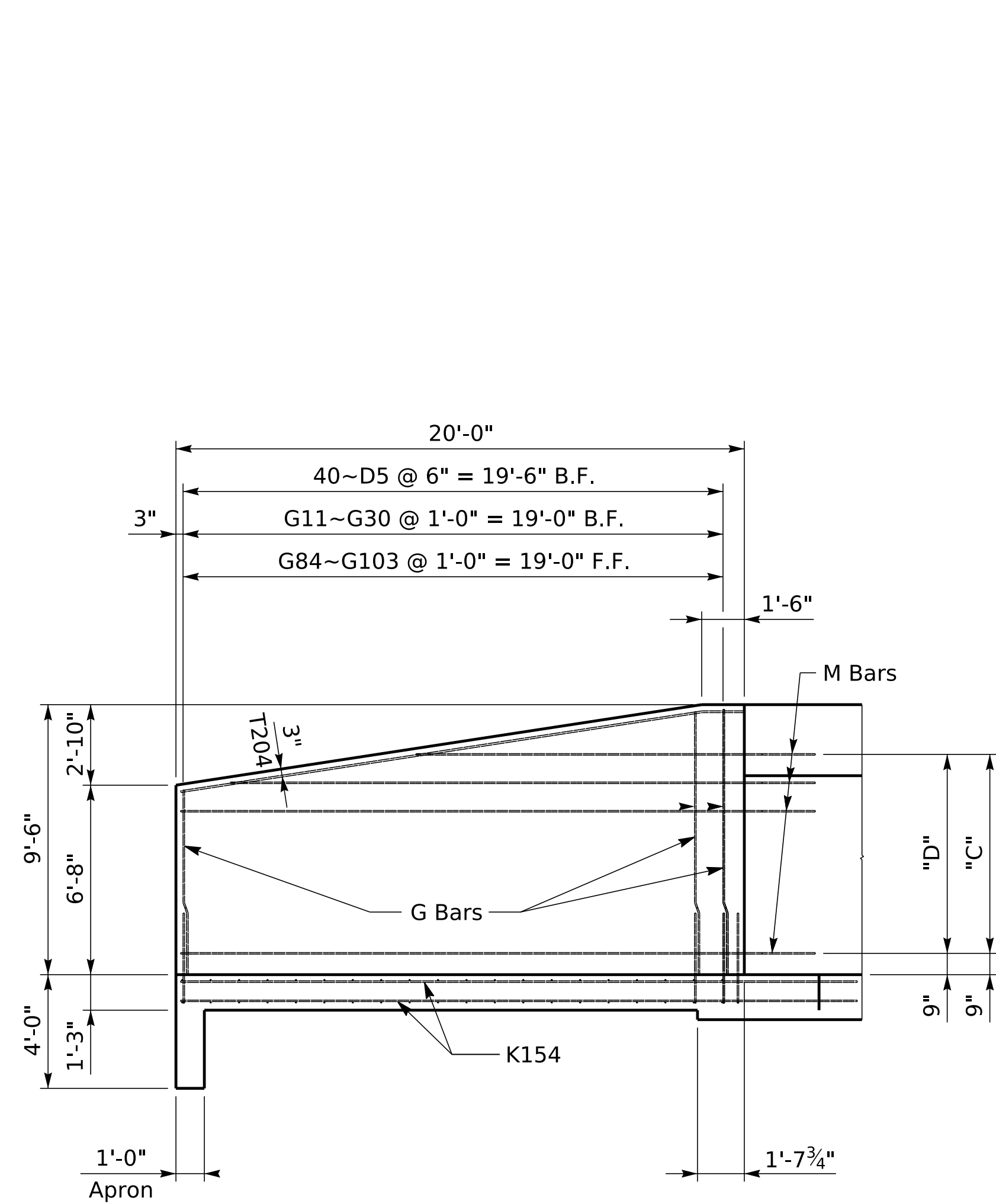
S4

COUNTY OF

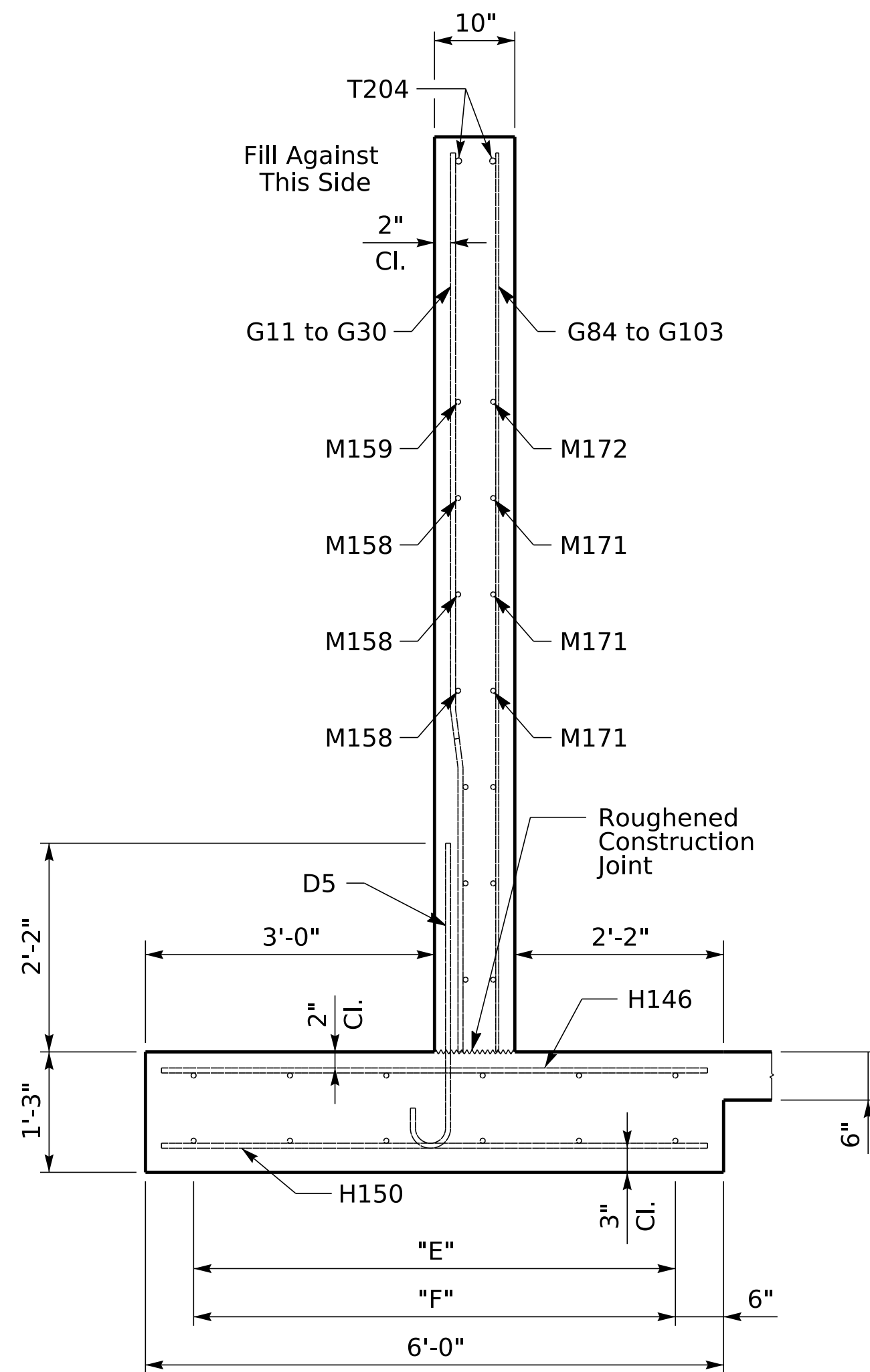
CARTER

DRAWING NUMBER

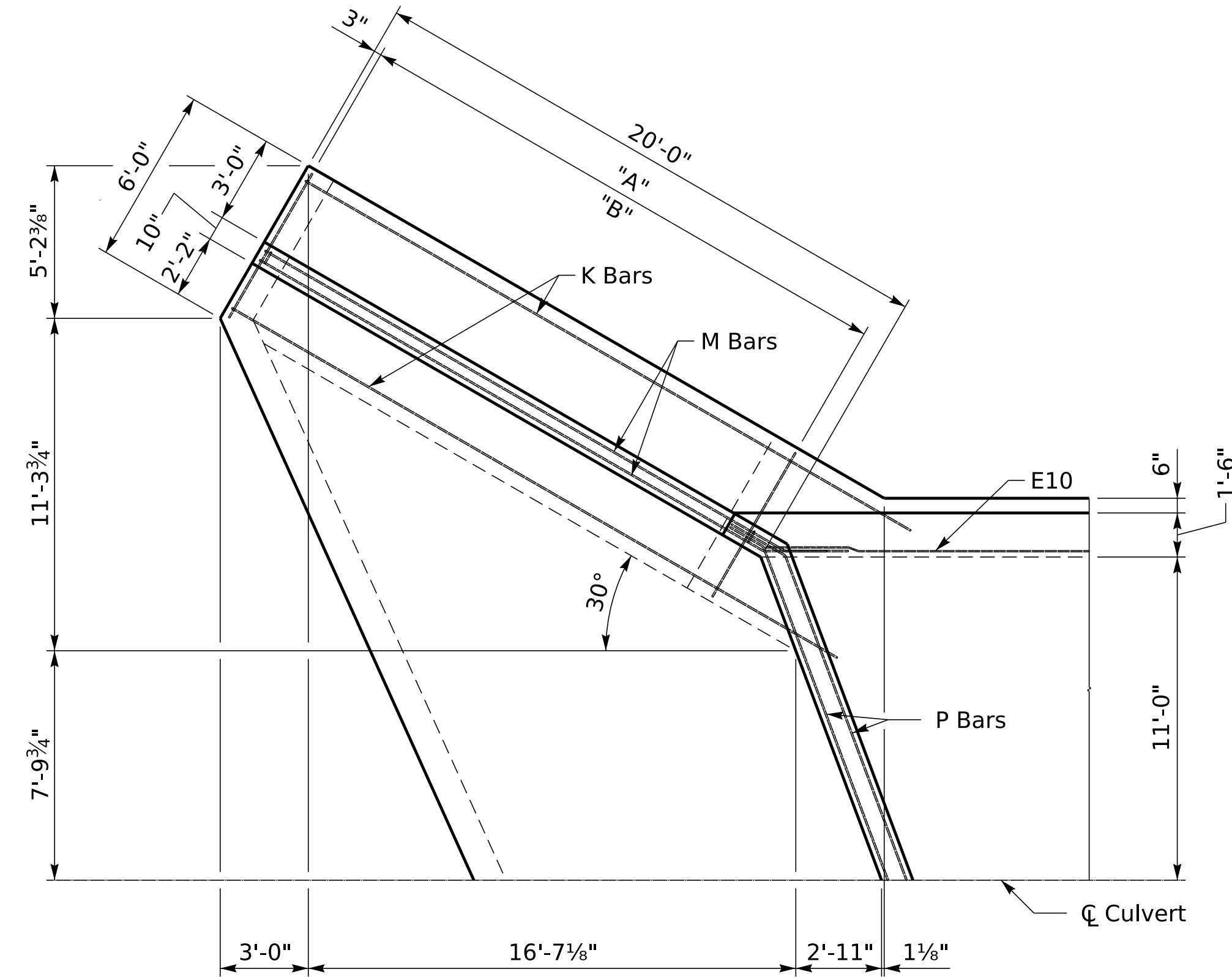
28965



WING ELEVATION
SCALE = 1:48



WING SECTION
SCALE = 1:16



PLAN
SCALE = 1:48

"A" 20~H146 @ 1'-0" = 19'-0" Top of Ftg.
"B" 20~H150 @ 1'-0" = 19'-0" Bot of Ftg.
"C" 6~M158,M159~M160 @ 1'-0" = 7'-0" B.F.
"D" 6~M171,M172~M173 @ 1'-0" = 7'-0" F.F.
"E" 6~K154 @ 1'-0" = 5'-0" Bot of Ftg.
"F" 6~K154 @ 1'-0" = 5'-0" Top of Ftg.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



REVISION

DATE

PREPARED BY
**Division of
Structural Design**

DATE: FEBRUARY 2025

DESIGNED BY: J. VAN ZEE

DETAILED BY: K. BISHOP

CHECKED BY

S.T. ANDARDS

J. VAN ZEE

WING 1

CROSSING
BRUSHY CREEK

ROUTE

KY 2

ITEM NO.

9-40000.00

SHEET NO.

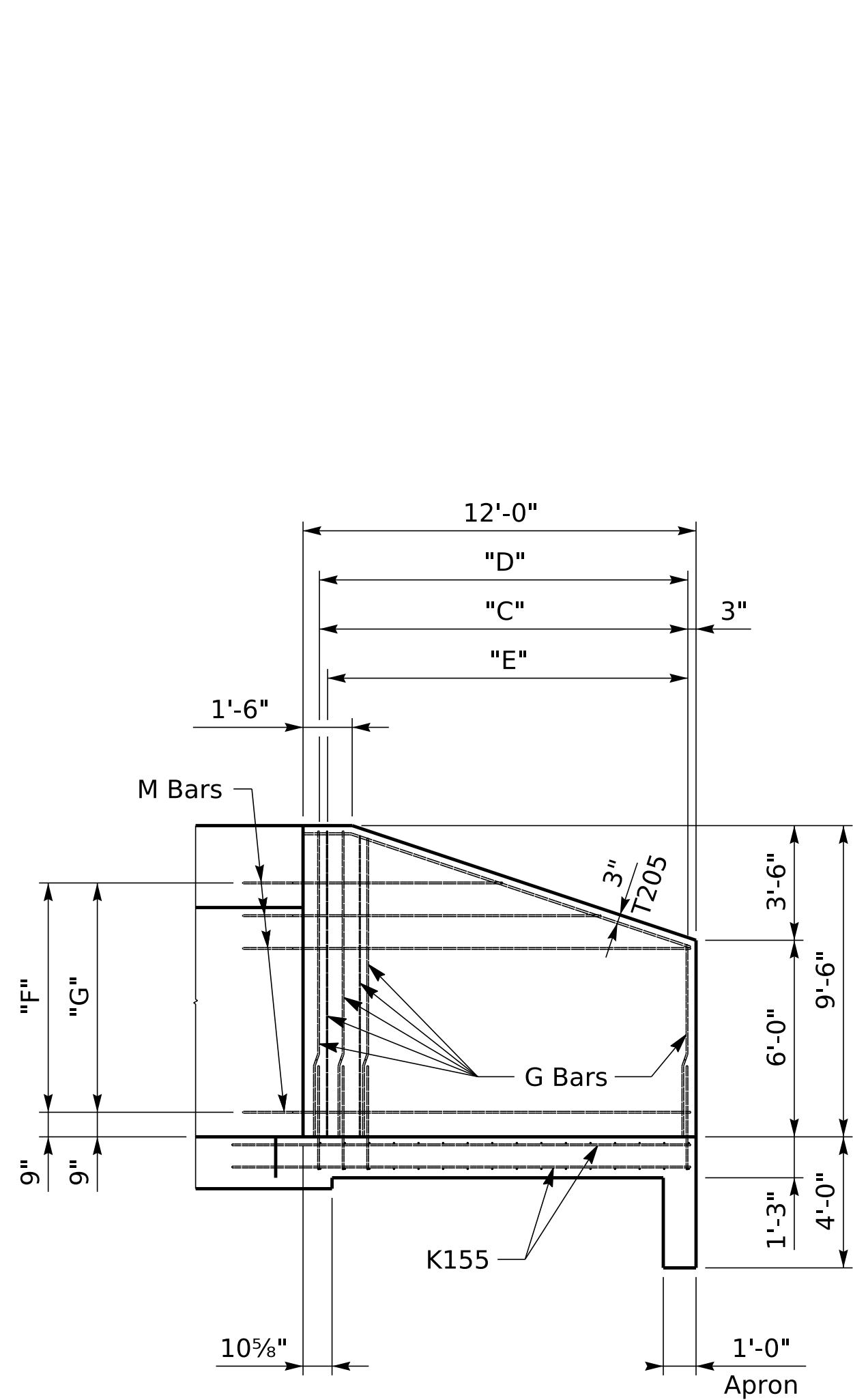
S5

COUNTY OF

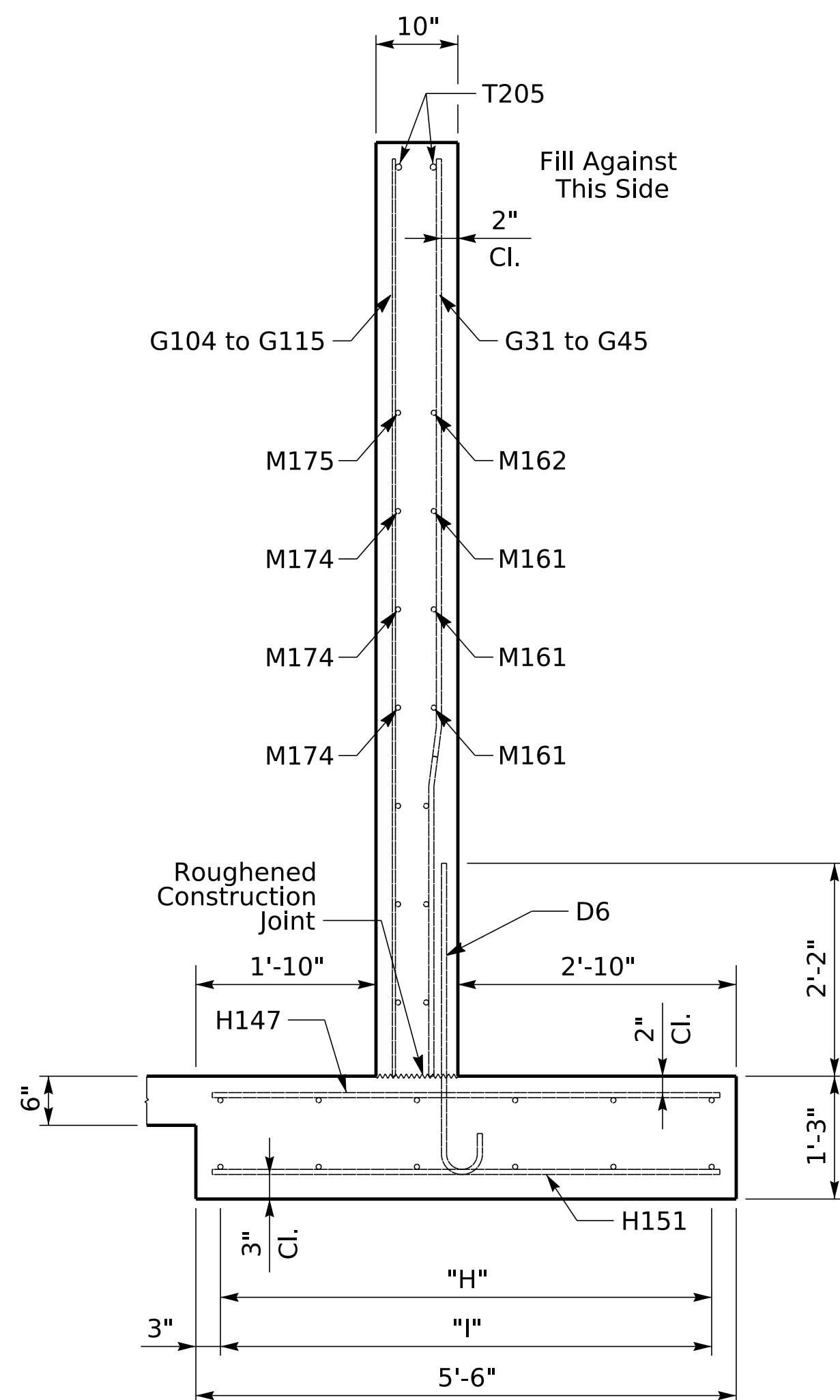
CARTER

DRAWING NUMBER

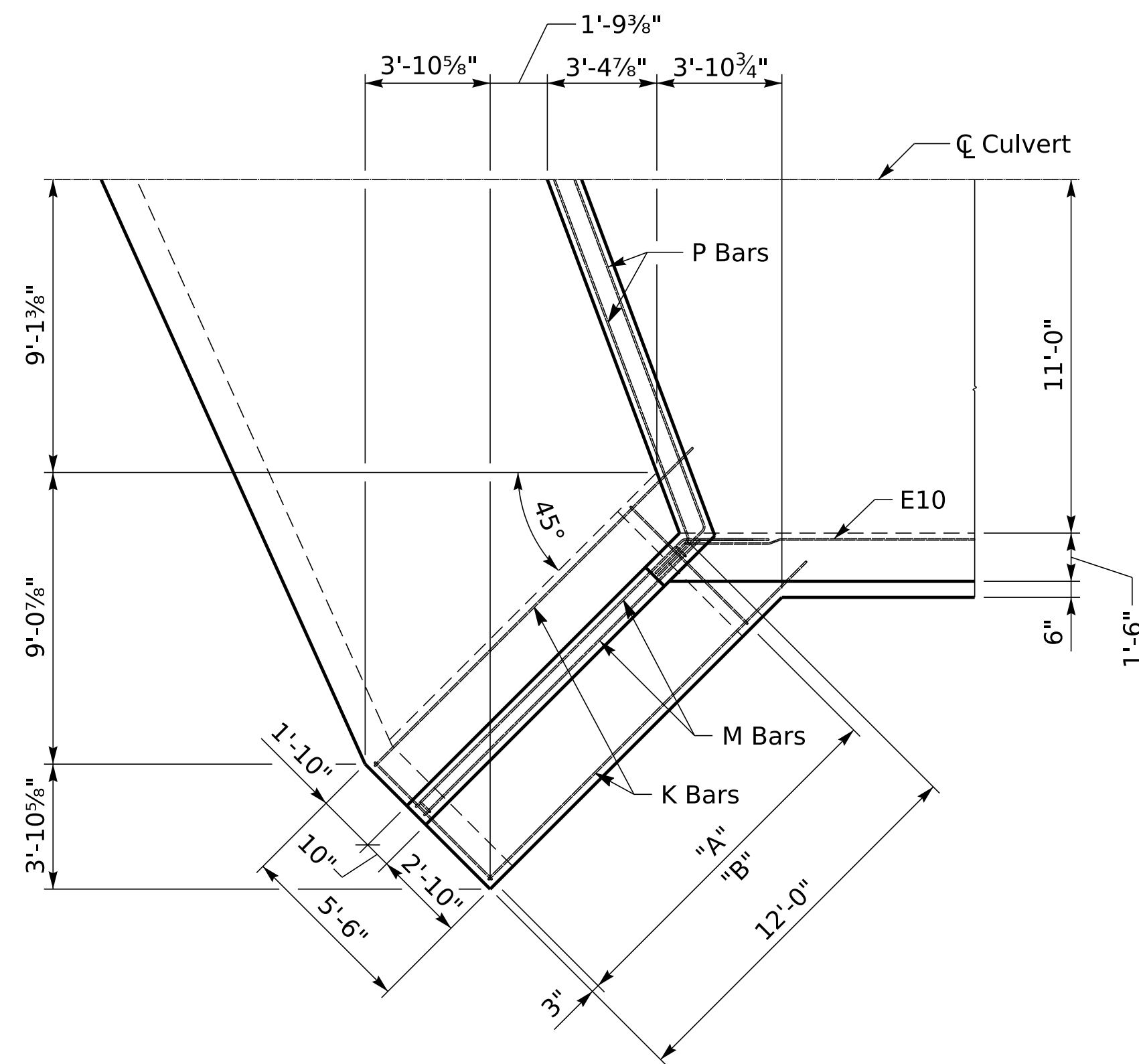
28965



WING ELEVATION
SCALE = 1:48



WING SECTION
SCALE = 1:16



PLAN
SCALE = 1:48

"A" 16~H147 @ 9" = 11'-3" Top of Ftg.
"B" 16~H151 @ 9" = 11'-3" Bot of Ftg.
"C" 2~G45,G44~G31 @ 9" = 11'-3" B.F.
"D" 16~D6 @ 9" = 11'-3" B.F.
"E" G115~G104 @ 1'-0" = 11'-0" F.F.
"F" 6~M161,M162~M163 @ 1'-0" = 7'-0" B.F.
"G" 6~M174,M175~M176 @ 1'-0" = 7'-0" F.F.
"H" 6~K155 @ 1'-0" = 5'-0" Bot of Ftg.
"I" 6~K155 @ 1'-0" = 5'-0" Top of Ftg.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: Brian.Miller

REVISION

DATE

PREPARED BY
**Division of
Structural Design**

DATE: FEBRUARY 2025

DESIGNED BY: J. VAN ZEE

DETAILED BY: K. BISHOP

CHECKED BY

S.T. ANDARDS

J. VAN ZEE

WING 2

CROSSING
BRUSHY CREEK

ROUTE

KY 2

ITEM NO.

9-40000.00

SHEET NO.

S6

COUNTY OF

CARTER

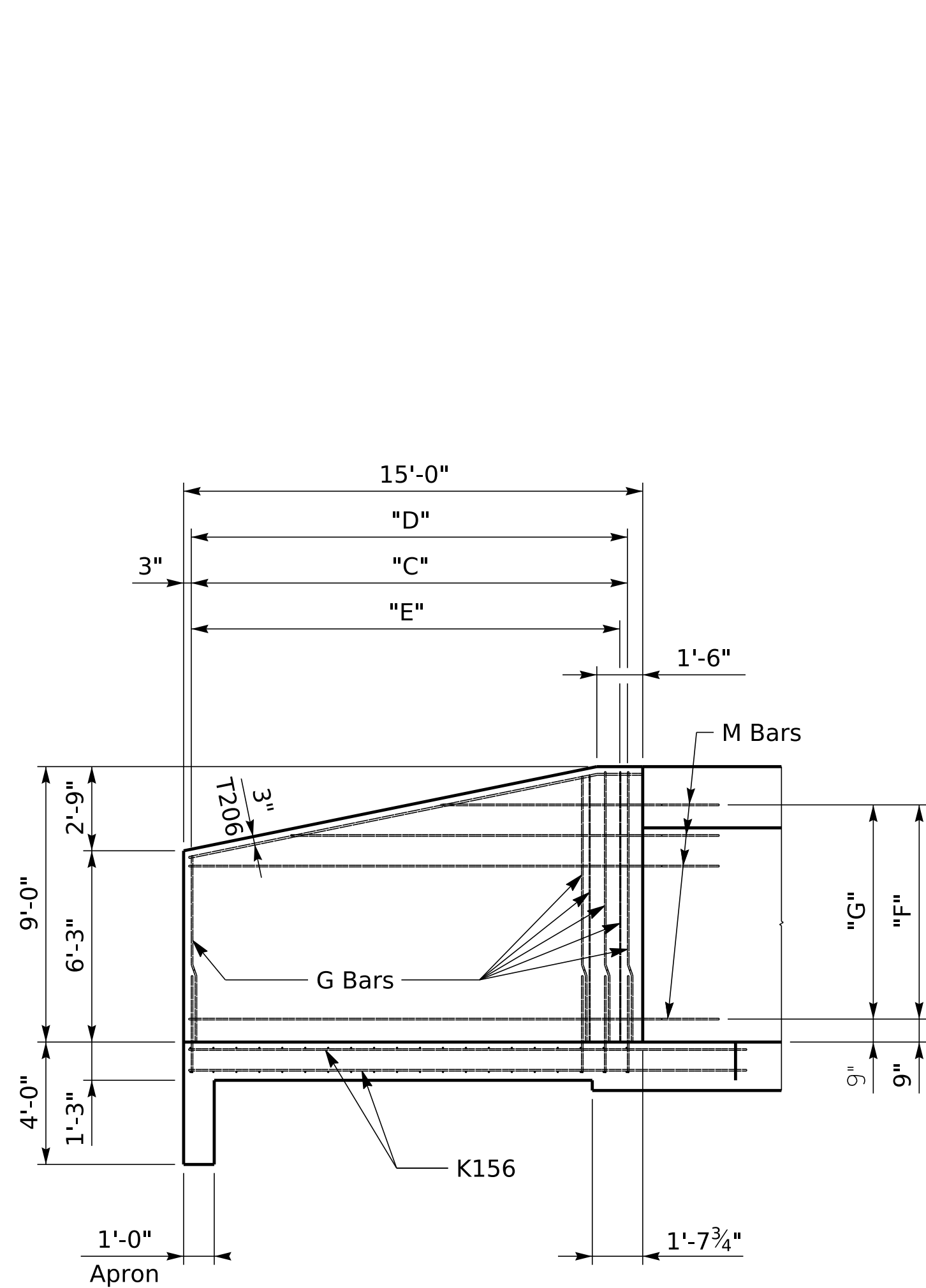
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28965

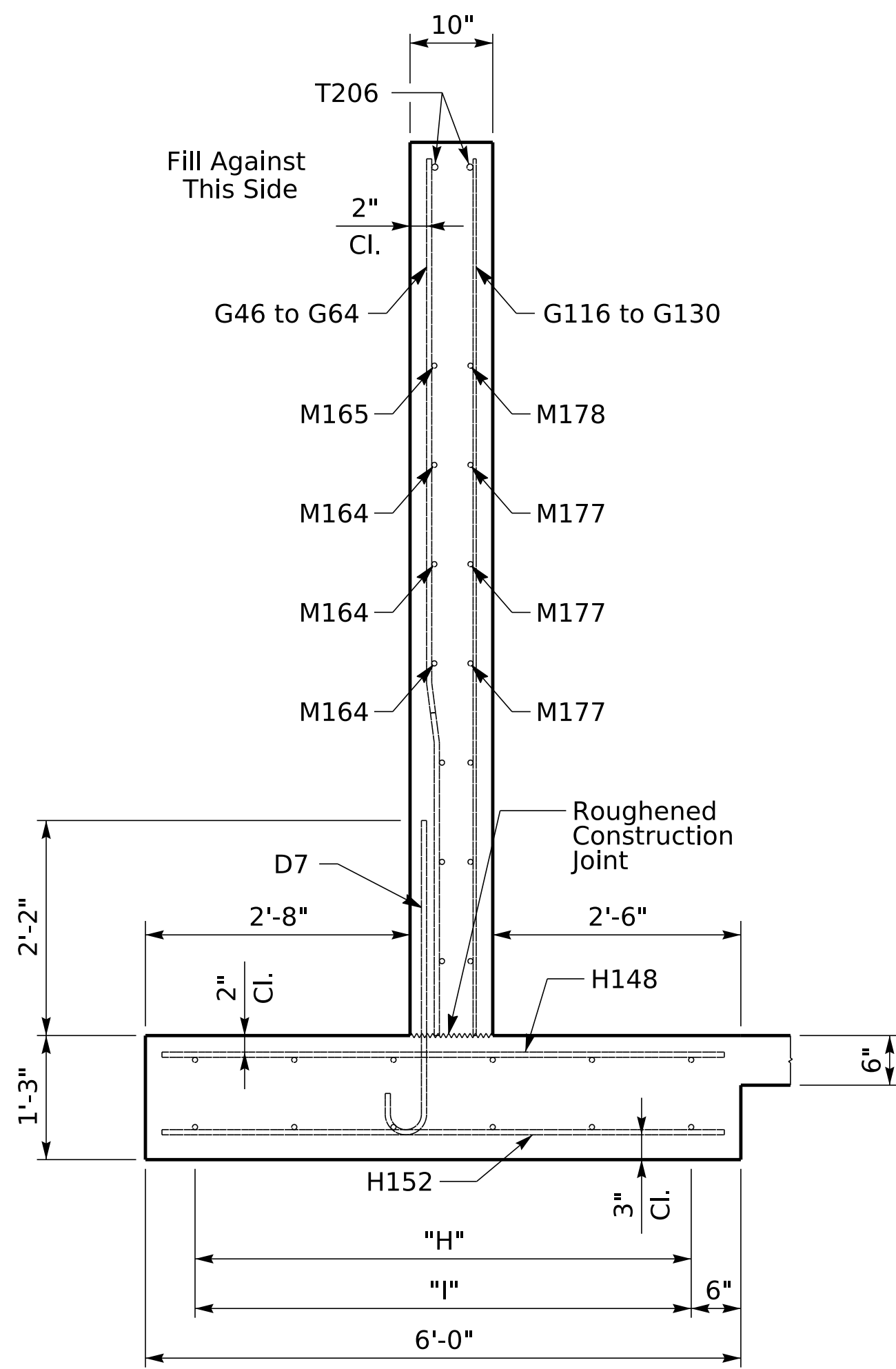
MicroStation v10.16.3.31

DATE PLOTTED: 27-MAY-2026

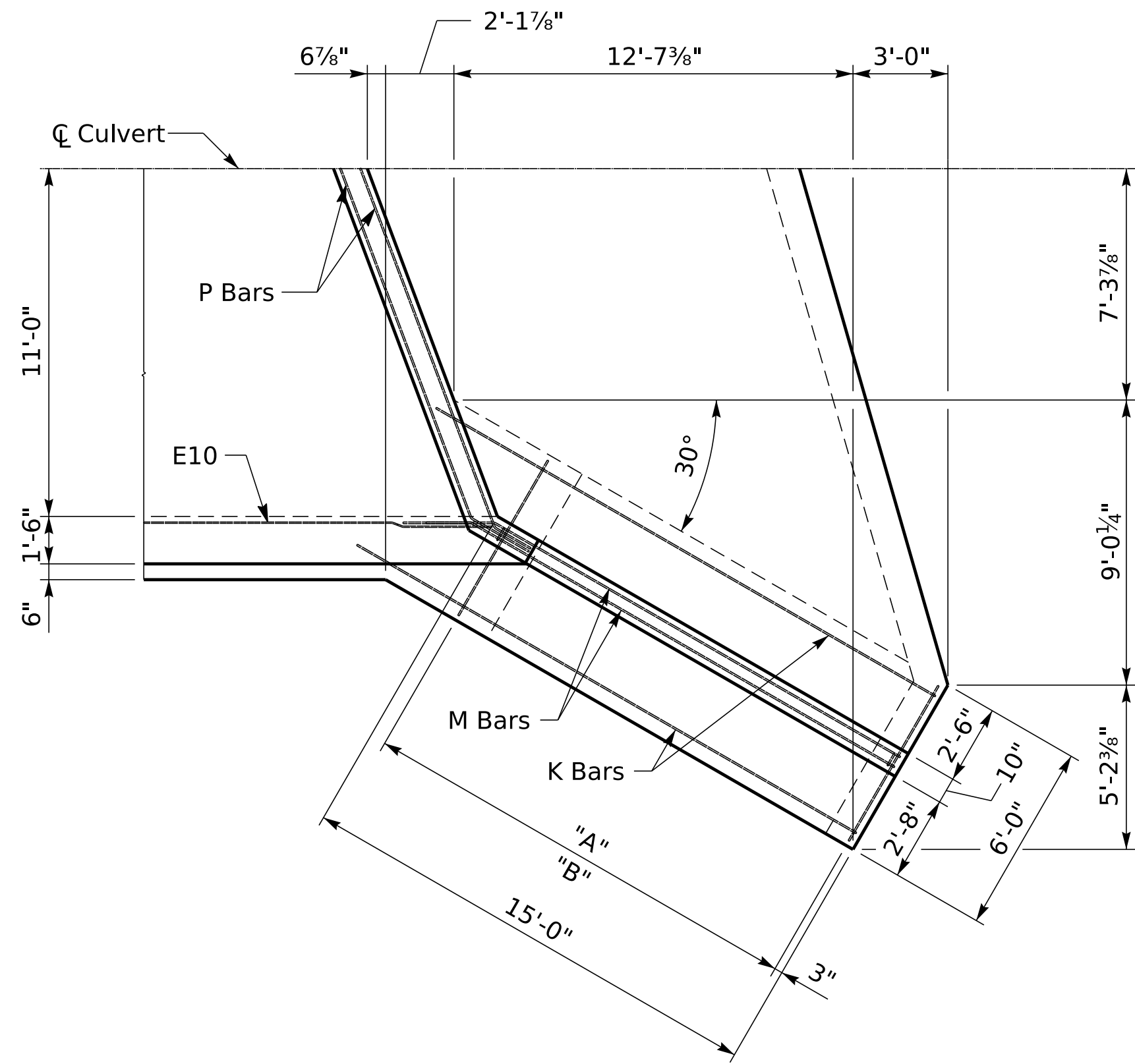
FILE NAME: \\eas.ds.ky.gov\dfs\KYTCB00R01P\Active_Projects\District09\9-40000\28965 Carter KY 2 Culvert Design over Brushy Creek\28965.dgn



WING ELEVATION
SCALE = 1:48



WING SECTION
SCALE = 1:16



PLAN
SCALE = 1:48

"A" 20~H148 @ 9" = 14'-3" Top of Ftg.
"B" 20~H152 @ 9" = 14'-3" Bot of Ftg.
"C" G46~G63,2~G64 @ 9" = 14'-3" B.F.
"D" 20~D7 @ 9" = 14'-3" B.F.
"E" G116~G130 @ 1'-0" = 14'-0" F.F.
"F" 6~M164,M165~M166 @ 1'-0" = 7'-0" B.F.
"G" 6~M177,M178~M179 @ 1'-0" = 7'-0" F.F.
"H" 6~K156 @ 1'-0" = 5'-0" Bot of Ftg.
"I" 6~K156 @ 1'-0" = 5'-0" Top of Ftg.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: Brian.Miller

REVISION

DATE

PREPARED BY
**Division of
Structural Design**

DATE: FEBRUARY 2025

DESIGNED BY: J. VAN ZEE

DETAILED BY: K. BISHOP

CHECKED BY

S.T. ANDARDS

J. VAN ZEE

WING 3

CROSSING
BRUSHY CREEK

ROUTE

KY 2

ITEM NO.

9-40000.00

SHEET NO.

57

COUNTY OF

CARTER

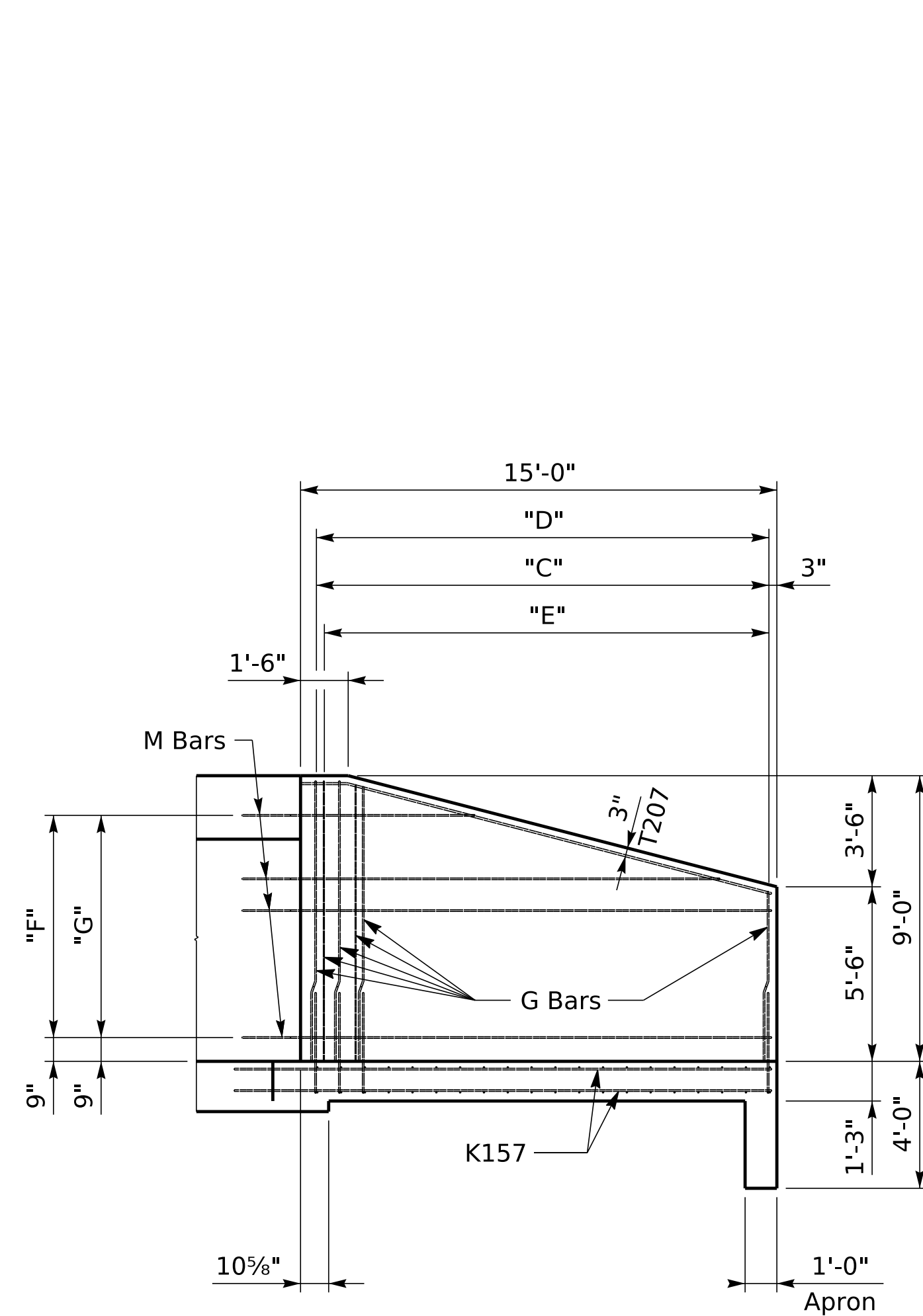
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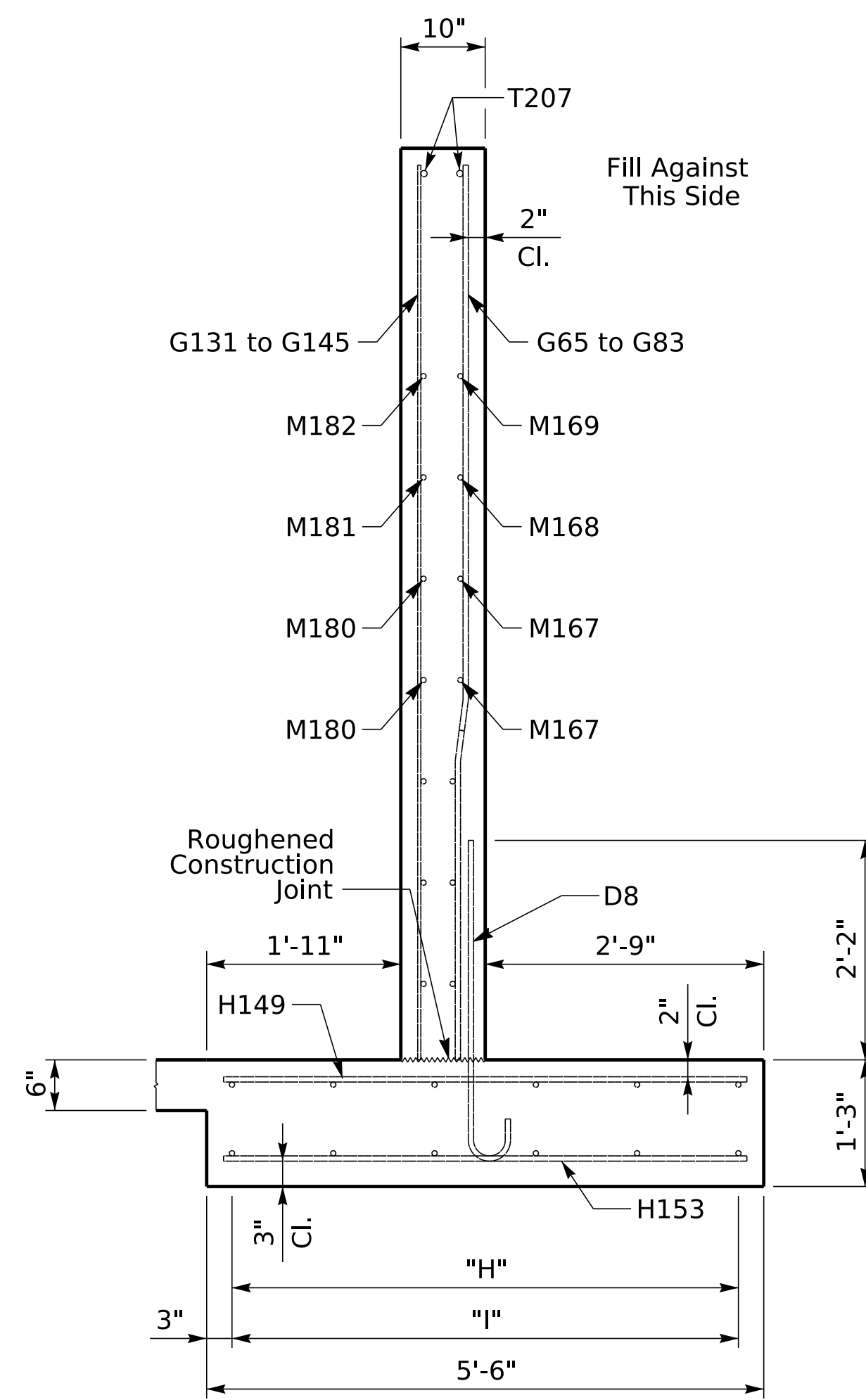
MicroStation v10.16.3.31

DATE PLOTTED: 27-MAY-2026

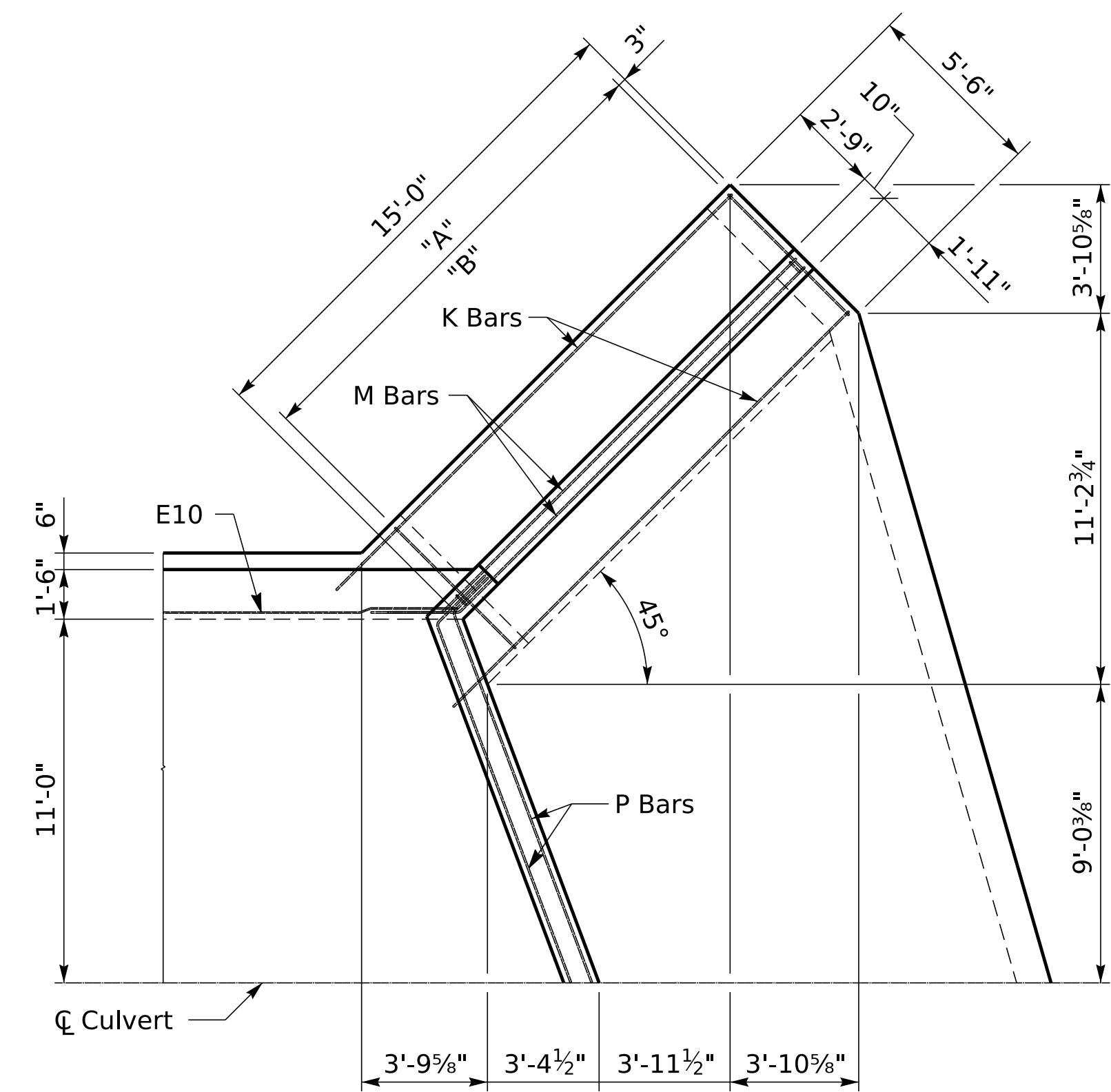
FILE NAME: \\eas.ds.ky.gov\dfs\KYTCB00R01P\Active_Projects\District09\9-40000\28965 Carter KY 2 Culvert Design over Brushy Creek\28965.dgn



WING ELEVATION
SCALE = 1:48



WING SECTION
SCALE = 1:16



PLAN
SCALE = 1:48

"A" 20~H149 @ 9" = 14'-3" Top of Ftg.
 "B" 20~H153 @ 9" = 14'-3" Bot of Ftg.
 "C" 2~G83,G82~G65 @ 9" = 14'-3" B.F.
 "D" 20~D8 @ 9" = 14'-3" B.F.
 "E" G145~G131 @ 1'-0" = 14'-0" F.F.
 "F" 5~M167,M168~M170 @ 1'-0" = 7'-0" B.F.
 "G" 5~M180,M181~M183 @ 1'-0" = 7'-0" F.F.
 "H" 6~K157 @ 1'-0" = 5'-0" Bot of Ftg.
 "I" 6~K157 @ 1'-0" = 5'-0" Top of Ftg.



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



REVISION

DATE

PREPARED BY
**Division of
Structural Design**

DATE: FEBRUARY 2025

DESIGNED BY: J. VAN ZEE

DETAILED BY: K. BISHOP

CHECKED BY

S.T. ANDARDS

J. VAN ZEE

WING 4

CROSSING
BRUSHY CREEK

ROUTE

KY 2

ITEM NO.
9-40000.00

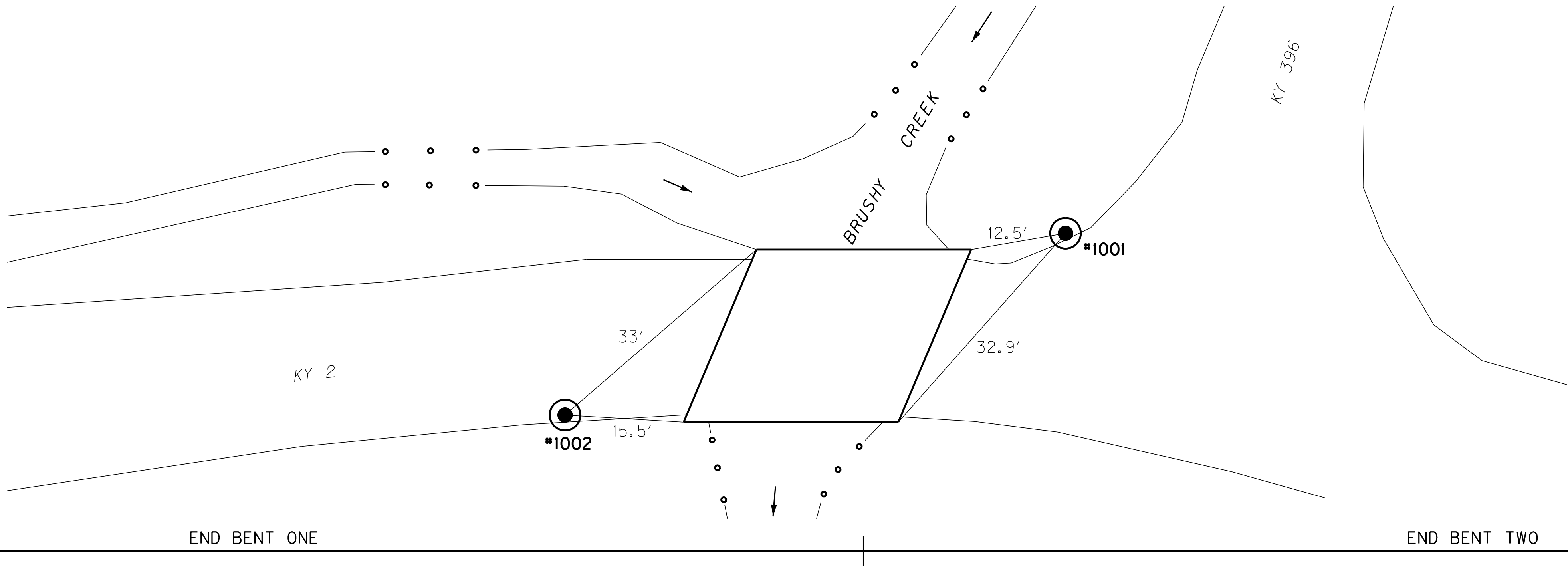
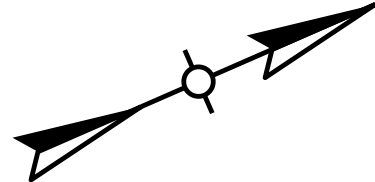
SHEET NO.
S8

COUNTY OF
CARTER

DRAWING NUMBER
28965

SUBSURFACE DATA

Plan Scale 1" = 10'

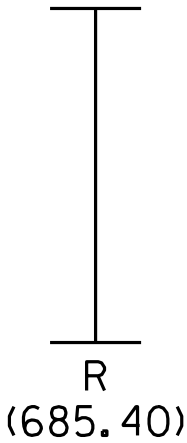
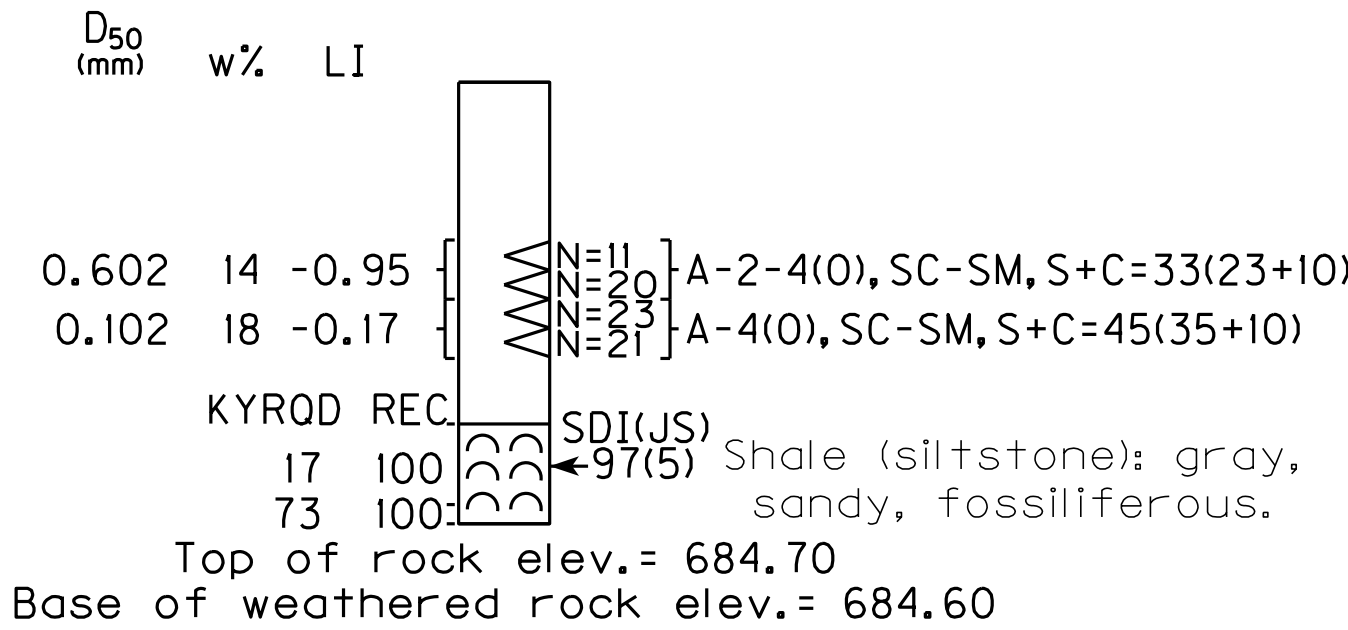


Profile Scale:
Vertical 1" = 10'
Horizontal not to scale

Hole No.
Station
Offset
Elev.
(NAVD 88
datum)

1001
38.419853, -83.145124
702.50

1002
38.419389, -83.145129
702.80



Datum

The Presumptive Factored Bearing Resistance at the Service Limit State is
24 ksf for Spread Footings on Competent Unweathered Bedrock



COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS



USER: Brian.Miller

REVISION

DATE

PREPARED BY
**Division of Structural Design
Geotechnical Branch**

DATE: 28-JULY-2022

CHECKED BY

DESIGNED BY:

DETAILED BY: E. BAILEY

R. McDONALD

Subsurface Data

CROSSING

Bridge over Brushy Creek

ROUTE
KY 2

ITEM NO.

9-40000.00

SHEET NO.

S11

S-067-2022

COUNTY OF

CARTER

DRAWING NUMBER

28965

MicroStation v10.16.3.31

DATE PLOTTED: 27-MAY-2026

FILE NAME: J:\District09\9-40000\28965 Carter KY 2 Culvert Design over Brushy Creek\28965.dgn

MicroStation v8.11.9.832

E-SHEET NAME:

USER: msaamith

DATE PLOTTED: June 5, 2026

FILE NAME: B:\PROJECTS\WATERSHARE\RDGE\RD\26011 - KY 2 WATER MAIN RELOCATION\DWG\26011-01 SUMMARY.DWG

COUNTY OF	ITEM NO.	SHEET NO.
CARTER	09-40000	UE-01

SUMMARY OF QUANTITIES - WATER

BID CODE	DESCRIPTION	UNIT	QUANTITY
14003	W/CAP EXISTING MAIN	EA	3
14004	W DIRECTIONAL BORE	LF	290
14008	W ENCASEMENT STEEL BORED RANGE 2	LF	75
14022	W FLUSH HYDRANT ASSEMBLY	EA	1
14023	W FLUSHING ASSEMBLY	EA	1
14057	W PIPE PVC 03 INCH	LF	535
14058	W PIPE PVC 04 INCH	LF	1085
14079	W SERV PE/PLST LONG SIDE 2 IN	EA	1
14082	W TIE-IN 03 INCH	EA	1
14083	W TIE-IN 04 INCH	EA	2
14102	W VALVE 02 INCH	EA	1
14104	W VALVE 04 INCH	EA	2
14124	W VALVE SPECIAL ①	EA	2
14153	W LEAK DETECTION METER	EA	1

DRAWING INDEX

SHT NO.	DESCRIPTION:
-	COVER
UE 01	PROJECT MAP, EXISTING UTILITIES, LEGEND, AND DRAWING INDEX
UE 02	AERIAL PLAN VIEW
UE 03	CROSS SECTION
UE 04	CROSS SECTION
UE 05	STANDARD DETAILS
UE 06	STANDARD DETAILS
UE 07	STANDARD DETAILS
UE 08	STANDARD DETAILS

NOTES

① BID ITEM IS FOR (2) INSERTA VALVES - SEE PLAN SHEET FOR SIZE

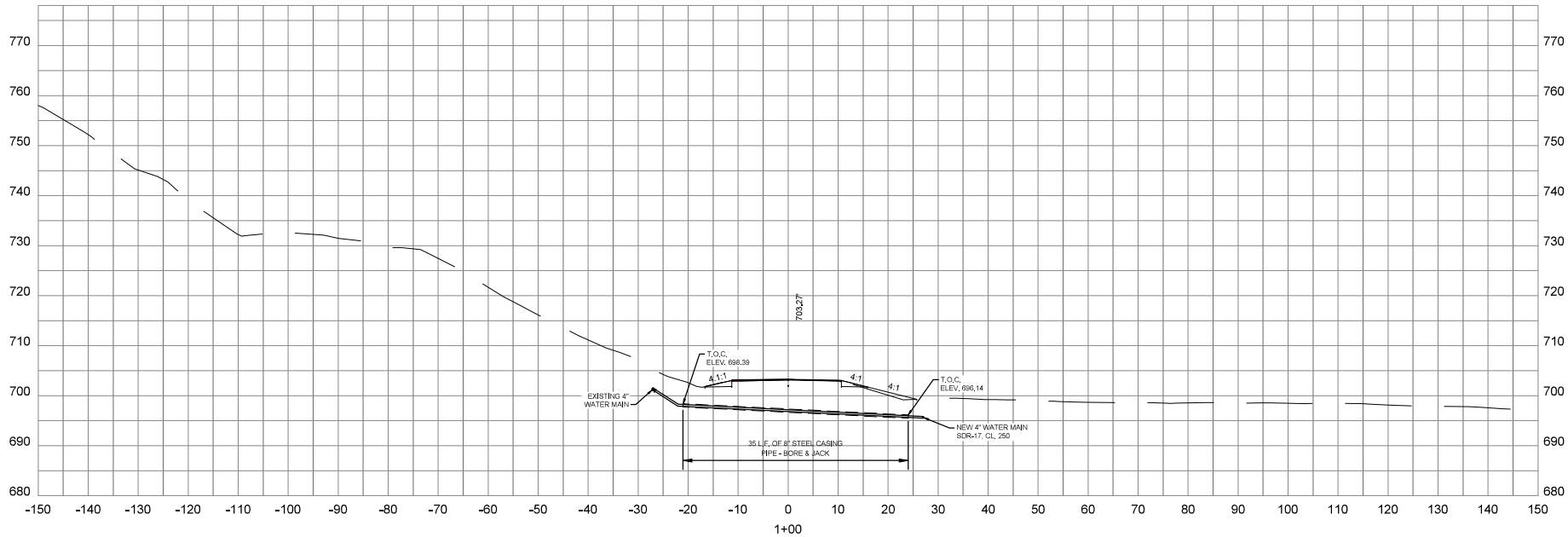
BLUEGRASS
ENGINEERING
P.L.L.C.

222 East Main Street, Ste. 1 • Georgetown, KY 40324

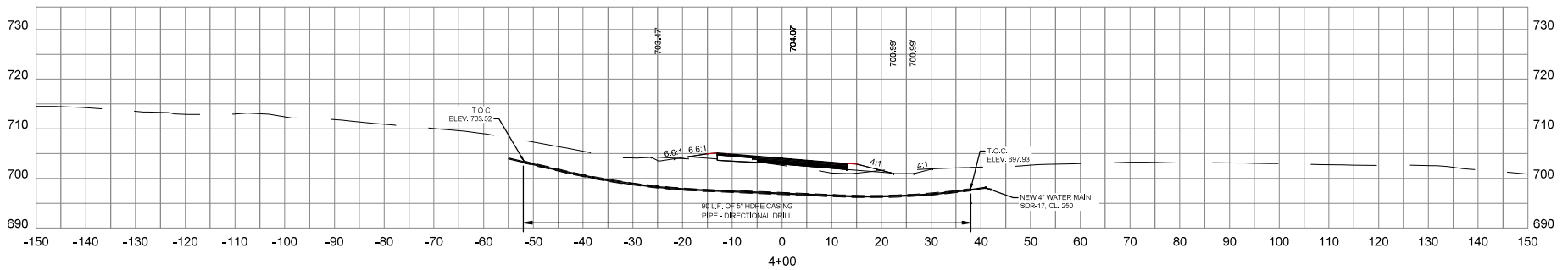
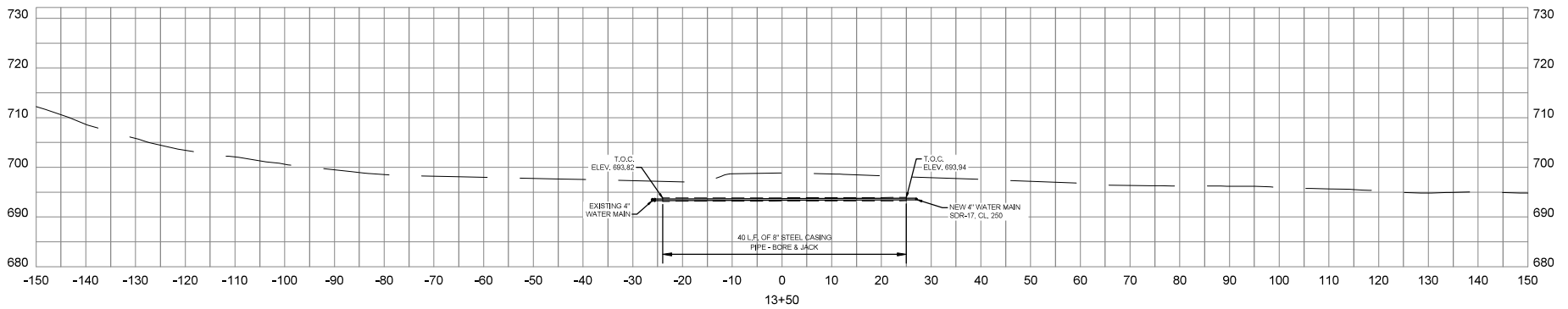
PROJECT #	26011
DATE	JUNE 2026
PROJECT MGR	CBW
DRAWN BY	ASW
CHECKED BY	CBW



SUMMARY OF QUANTITIES,
SHEET INDEX



 BLUEGRASS ENGINEERING P.L.L.C. 222 East Main Street, Ste. 1 • Georgetown, KY 40324	PROJECT #:	26011	
	DATE:	JUNE 2026	
	PROJECT MGR:	CBW	
	DRAWN BY:	ASW	
		CHECKED BY:	CBW



 BLUEGRASS ENGINEERING P.L.L.C. 222 East Main Street, Ste. 1 • Georgetown, KY 40324	PROJECT #:	26011	
	DATE:	JUNE 2026	
	PROJECT MGR:	CBW	
	DRAWN BY:	ASW	
CHECKED BY:		CBW	

COMMONWEALTH OF KENTUCKY
DEPARTMENT OF HIGHWAYS

DRAWING TITLE: KY 2 PLAN SHEET

HORIZONTAL SCALE
SCALE: 1"=10'

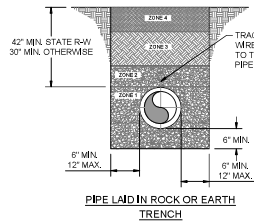


CROSS SECTIONS

ITEM NO.	COUNTY OF
09-40000.00	Carter
SHEET NO.	
UE 04	

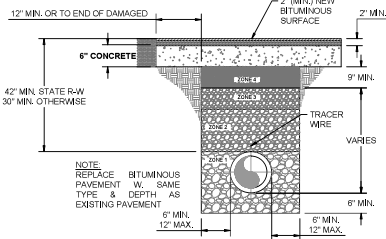
IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER THE DRAWING. THIS DRAWING HAS BEEN PREPARED AT THE SCALE INDICATED. REPRODUCTION OF THIS DRAWING MAY BE MADE FOR THE PROJECT ONLY. THE DRAWING SHALL BE USED TO DETERMINE THE ACTUAL SCALE.

BE 03026
B:\PRODUCTS\Infrastructure\Roads\W202611 - KY 2 Water Main Relocation\DWGS\PIPELINES 10' - 24'wg



DETAIL NOTES:

- COVER UP TO AND INCLUDING ZONE 4 SHALL BE ESTABLISHED BEFORE TRENCH EXCAVATION.
- ZONE 4 - 6" MIN. CONSOLIDATION EARTH BACKFILL INCLUDING TOPSOIL, NO ROCK ALLOWED.
- ZONE 3 - CONSOLIDATED SOIL, (NO ROCK GREATER THAN 6" DIAMETER) NO. 9, 57 OR 78 STONE
- ZONE 2 - FROM THE SPRINGLINE OF THE PIPE TO A DISTANCE 12 INCHES ABOVE THE PIPE, THE CONTRACTOR SHALL USE THE SAME MATERIAL AS SPECIFIED FOR BEDDING. COMPACTION IS REQUIRED IN AREAS SUBJECT TO TRAFFIC.
- ZONE 1 - BEDDING MATERIAL IN EARTH EXCAVATION AREAS SHALL BE CLEAN EARTH, FREE FROM ROCKS, DEBRIS OR OTHER FOREIGN MATERIAL. THE CONTRACTOR SHALL USE CRUSHED STONE, SAND OR GRAVEL AS BEDDING MATERIAL WHERE ROCK EXCAVATION IS ENCOUNTERED.

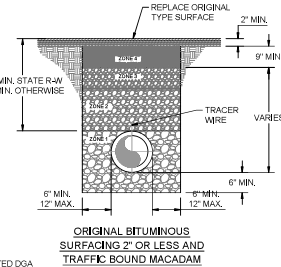


ORIGINAL BITUMINOUS
SURFACING OVER 2"

ZONE 4 - COMPACTED DGA
ZONE 3 - NO. 9, 57 OR 78 STONE
ZONE 2 - 12" MIN. NO. 9 STONE
ZONE 1 - NO. 9 STONE

PIPE BACKFILL - DETAIL

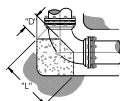
NOT TO SCALE



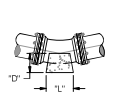
ORIGINAL BITUMINOUS
SURFACING 2" OR LESS AND
TRAFFIC BOUND MACADAM

THRUST BLOCK SCHEDULE

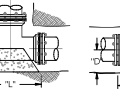
PIPE SIZE	90° BEND				45° BEND				22 1/2° BEND				11 1/4° BEND				TEE & DEAD ENDS			
	REQUIRE AREA	100% OF CONCRETE	D	W L	REQUIRE AREA	100% OF CONCRETE	D	W L	REQUIRE AREA	100% OF CONCRETE	D	W L	REQUIRE AREA	100% OF CONCRETE	D	W L	REQUIRE AREA	100% OF CONCRETE	D	W L
4"	3,750	.21	18	30 18	1,750	.10	18	30 18	1,000	.06	18	12 12	.500	.02	12	12 6	2,250	.13	18	18 18
6"	7,000	.39	18	42 24	3,750	.21	18	30 18	2,000	.11	18	24 12	1,000	.04	12	12 12	5,000	.28	18	30 24
8"	12,250	.81	24	42 42	7,500	.56	24	36 30	4,000	.30	24	24 24	2,000	.11	18	24 12	9,000	.67	24	36 36
10"	20,000	1.48	24	60 48	10,500	.78	24	42 36	6,000	.44	24	36 24	3,000	.17	18	24 18	14,000	1.04	24	48 42
12"	30,000	2.78	30	72 60	15,750	1.46	30	54 42	7,500	.69	30	36 30	4,000	.30	24	24 24	20,000	1.85	30	60 48
14"	38,000	4.33	36	78 72	20,000	2.22	36	60 48	10,500	1.17	36	42 36	6,000	.56	30	36 24	27,500	3.06	36	66 60
16"	48,000	6.35	42	84 84	27,500	3.56	42	66 60	14,000	1.81	42	48 42	7,500	.83	36	36 30	37,750	4.63	42	78 66



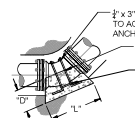
90° & 45° BENDS



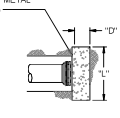
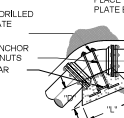
22 1/2° & 11 1/4° BENDS



TEES



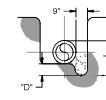
VERTICAL BENDS



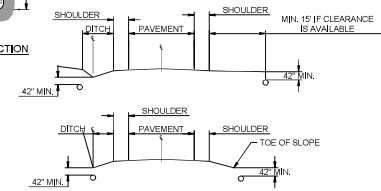
END OF MAIN

CONCRETE THRUST BLOCK - DETAIL

NOT TO SCALE



TYP. SECTION

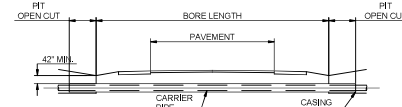


UTILITY PIPELINE WITHIN KTC ROW - DETAIL

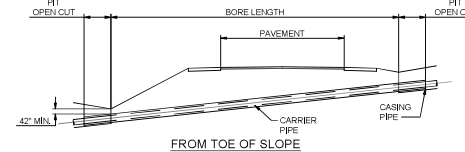
NOT TO SCALE

NOTE:

- ALL JOINTS OF STEEL CASING SHALL BE SOLIDLY WELDED. END OF CASING SHALL BE SEALED AFTER LINE HAS BEEN INSTALLED AND TESTED.
- MINIMUM DEPTHS MAY INCREASE IN AREAS WHICH REQUIRE MINIMUM SEPARATION WITH OTHER FACILITIES.
- OPEN TRENCH NO CLOSER THAN THE DITCH LINE OR TOE OF FILL FROM THE EDGE OF THE PAVEMENT OR AS DIRECTED BY THE SPECIFICATIONS.
- HIGHWAY CROSSINGS SHALL UTILIZE STEEL CASING PIPE, STEEL CASING PIPES WALL THICKNESS & DIAMETER PER SPECIFICATIONS. ALL BORED AND JACKED ENCASMENT PIPE SHALL BE INSTALLED IN BORE HOLES NO LARGER THAN THE OUTSIDE DIAMETER OF THE ENCASMENT PIPE.
- SEE CASING SPACER DETAIL FOR PLACEMENT OF SPACER.



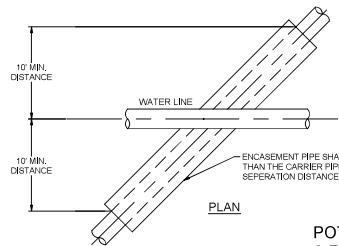
OFFSET FROM EDGE OF PAVEMENT



FROM TOE OF SLOPE

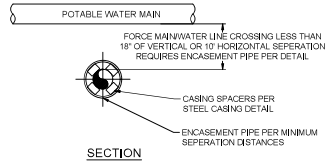
KTC CROSSING - DETAIL

NOT TO SCALE

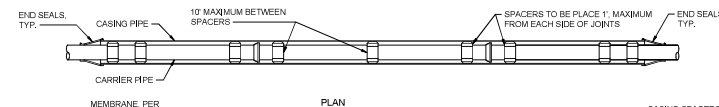


POTABLE WATER LINE & FORCE MAIN CROSSING - DETAIL

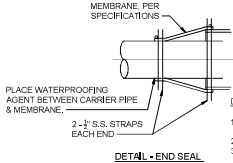
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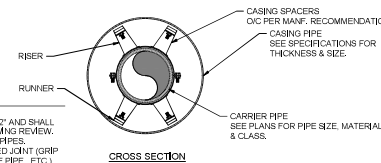
SECTION



PLAN



DETAIL - END SEAL



CROSS SECTION

CASING - DETAIL

NOT TO SCALE

- RUNNER HEIGHTS VARY FROM 1/2" TO 2" AND SHALL BE DETERMINED DURING SHOP DRAWING REVIEW.
- SPACERS SHALL BE USED IN CASING PIPES.
- CARRIER PIPES SHALL BE RESTRAINED JOINT (GRIP GASKETS, MECHANICAL, YELLOWITE PIPE, ETC.)

BY	
REVISIONS	
DATE	
NO.	

KY HWY 2
WATER MAIN RELOCATION
STANDARD DETAILS - PIPE LINES

BLUEGRASS ENGINEERING PLC
222 East Main Street, Ste. 1 • Georgetown, KY 40324

PROJECT #:	28011
DATE:	JUNE 2026
PROJECT MGR:	CSW
DRAWN BY:	ASW
CHECKED BY:	CSW

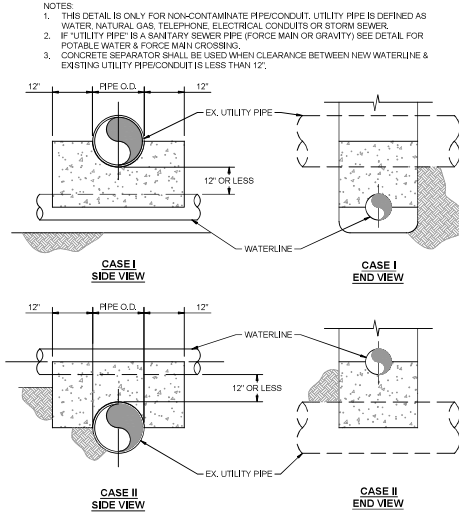
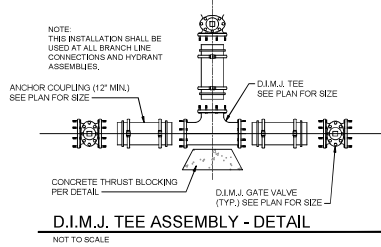
CHEROKEE & WILCOX ENGINEERING INC.
15300 440000 153000
153000

UE 05

DOW REVIEW SET

IT IS A VIOLATION OF LAW FOR ANY PERSON TO ALTER THE DRAWING WITHOUT WRITTEN PERMISSION FROM BLUEGRASS ENGINEERING, PLLC AND ACTING UNDER THE DIRECTION OF A LICENSED ENGINEER.

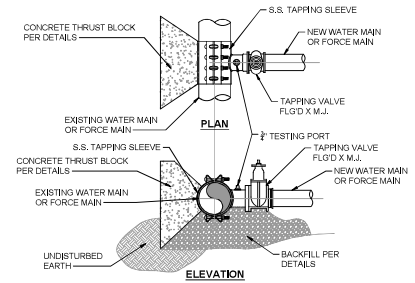
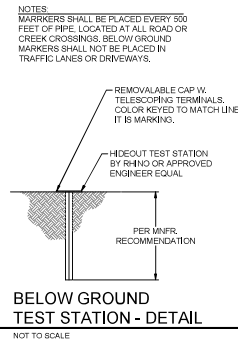
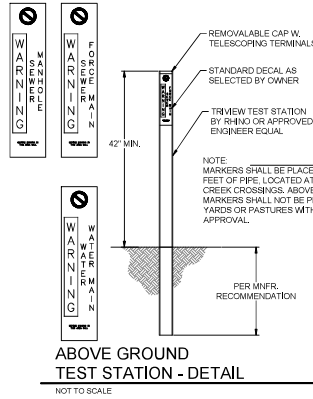
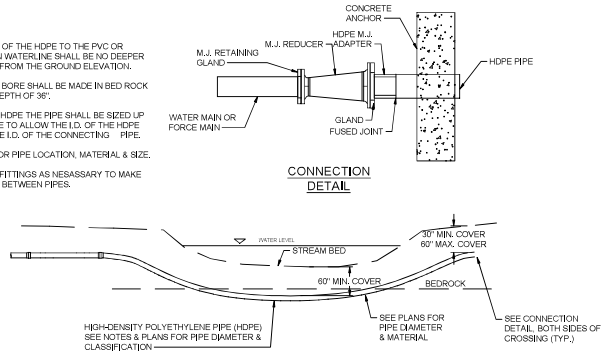
B:\PROJECTS\Hickman Rdge W202011 - KY 2 Water Main Relocation\DWG\SD-PIPELINES 2 05.dwg BE 05026



UTILITY CROSSING CONCRETE ASSEMBLY - DETAIL

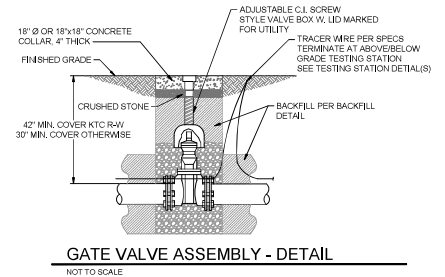
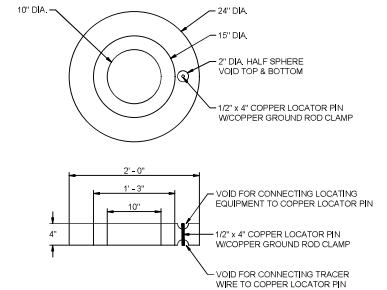
NOTES:

1. CONNECTION OF THE HDPE TO THE PVC OR DUCTILE IRON WATERLINE SHALL BE NO DEEPER THAN 5 FEET FROM THE GROUND ELEVATION.
2. DIRECTIONAL BORE SHALL BE MADE IN BED ROCK WITH A MIN DEPTH OF 30".
3. WHEN USING HDPE THE PIPE SHALL BE SIZED UP ONE PIPE SIZE TO ALLOW THE I.D. OF THE HDPE TO EQUAL THE I.D. OF THE CONNECTING PIPE.
4. SEE PLANS FOR PIPE LOCATION, MATERIAL & SIZE.
5. USE ANGLED FITTINGS AS NECESSARY TO MAKE CONNECTION BETWEEN PIPES.



- NOTE:
- TAPPING SLEEVE & VALVE TO BE TESTED PER MANUFACTURERS RECOMMENDATIONS
 - NO SIZE FOR SIZE TAPPING SLEEVE ALLOWED WITHOUT WRITTEN APPROVAL OF MUEB.

STAINLESS STEEL TAPPING SLEEVE & VALVE ASSEMBLY - DETAIL



BY	
REVISIONS	
DATE	
NO.	

KY HWY 2
WATER MAIN RELOCATION

STANDARD DETAILS - PIPE LINES



PROJECT #:	26011
DATE:	JUNE 2026
PROJECT MGR:	CSW
DRAWN BY:	ASW
CHECKED BY:	CSW



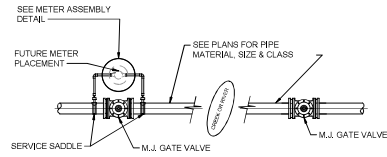
UE 06

DOW REVIEW SET

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LEAK DETECTION ASSEMBLY - DETAIL

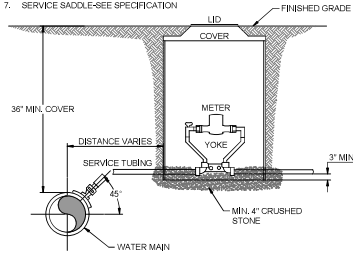
NOT TO SCALE

NOTE:

1. CONTRACTOR IS RESPONSIBLE FOR ALL PLUMBING PERMITS & ASSOCIATED COSTS.
2. SEE SPECIFICATIONS REGARDING SPECIFIC MAKE, MODEL, TYPE & STYLE OF FITTINGS, METER, METER BOX, COPPER SETTERS, PPRV, BOX, LID, ETC.
3. INDIVIDUAL PRESSURE REDUCING VALVES REQUIRED ON ALL METERS WHERE PRESSURE EXCEEDS 90 PSI.
4. TRACER WIRE TO BE CONNECTED TO WATER MAIN TRACER WIRE AND RAN ON NEW SERVICE TUBING AND TERMINATING IN THE METER BOX.

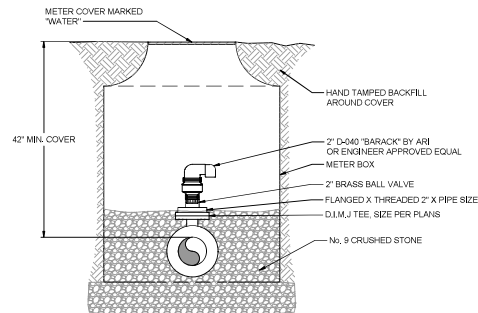
METER MATERIAL SCHEDULE

1. YOKE-SEE SPECIFICATIONS
2. METER BOX-SEE SPECIFICATIONS
3. COVER-SEE SPECIFICATIONS
4. METER-SEE SPECIFICATIONS
5. INDIVIDUAL PRESSURE REDUCING VALVE (PRV)-SEE SPECIFICATIONS
6. CORPORATION STOP-SEE SPECIFICATION
7. SERVICE SADDLE-SEE SPECIFICATION



METER ASSEMBLY - DETAIL

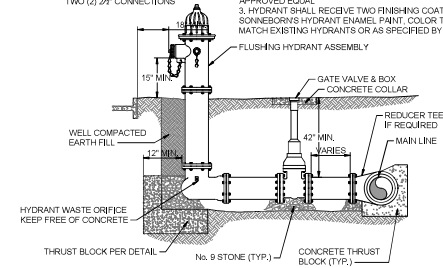
NOT TO SCALE



AIR RELEASE VALVE ASSEMBLY WATERLINE ONLY - DETAIL

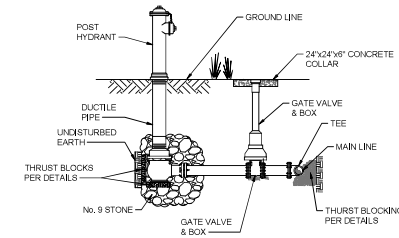
NOT TO SCALE

NOTE:
TYPE 1 FLUSHING HYDRANT
TWO (2) 3/4" CONNECTIONS AND
ONE (1) 1/2" CONNECTION
TYPE 2 FLUSHING HYDRANT
TWO (2) 3/4" CONNECTIONS



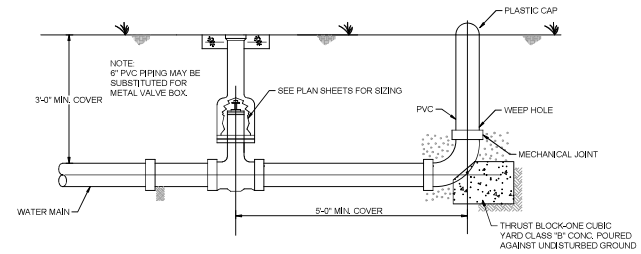
FLUSHING HYDRANT ASSEMBLY TYPE 1 & 2 - DETAIL

NOT TO SCALE



FLUSHING HYDRANT ASSEMBLY, TYPE 3 - DETAIL

NOT TO SCALE



E.O.L. 2", 3", OR 4" UNDERGROUND BLOWOFF ASSEMBLY

NOT TO SCALE

BY	
REVISIONS	
DATE	
NO.	

KY HWY 2
WATER MAIN RELOCATION
STANDARD DETAILS - WATER LINES

BLUEGRASS
ENGINEERING, PLLC
222 East Main Street, Ste. 1 • Georgetown, KY 40324

PROJECT #:	28011
DATE:	JUNE 2026
PROJECT MGR:	CBW
DRAWN BY:	ASW
CHECKED BY:	CBW

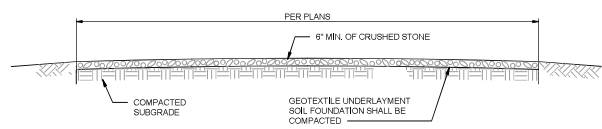


UE 07

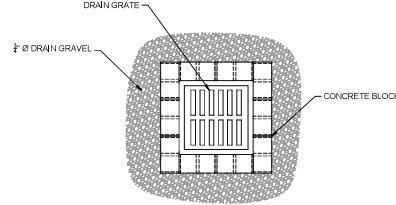
DOW REVIEW SET

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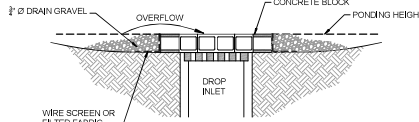
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STABILIZED CONSTRUCTION ENTRANCE - SECTION
NOT TO SCALE



PLAN



SECTION

NOTES:

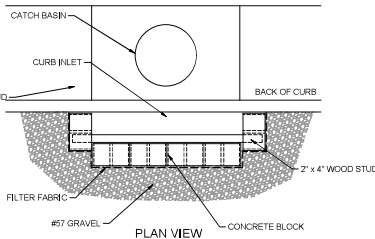
1. A STABILIZED ENTRANCE PAD OF CRUSHED STONE SHALL BE LOCATED WHERE TRAFFIC WILL ENTER OR LEAVE THE CONSTRUCTION SITE ONTO A PUBLIC STREET.
2. GEOTEXTILE (KYTC TYPE III) SHALL BE USED AS A BASE FOR THE CONSTRUCTION ENTRANCE.
3. TREES, STUMPS, ROOTS, BRUSH, WEEDS, AND OTHER OBJECTIONABLE MATERIALS SHALL BE REMOVED FROM THE WORK AREA.
4. UNSUITABLE MATERIAL SHALL BE REMOVED FROM THE ROADBED AND PARKING AREAS.
5. GRADING, SUBGRADE PREPARATION, AND COMPACTION SHALL BE DONE AS NEEDED. FILL MATERIAL SHALL BE DEPOSITED IN LAYERS NOT TO EXCEED 8 INCHES AND COMPACTION WITH THE CONTROLLED MOVEMENT OF COMPACTING AND EARTH MOVING EQUIPMENT.
6. THE ROADBED SHALL BE GRADED TO THE ELEVATION AS SHOWN. SUBGRADE PREPARATION AND PLACEMENT OF THE SURFACE COURSE SHALL BE IN ACCORDANCE WITH SPECIFICATIONS.
7. ALL CUT AND FILL SHALL BE 2:1 OR FLATTER TO THE EXTENT POSSIBLE.
8. WATER BREAKS OR BARS MAY BE USED TO CONTROL SURFACE RUNOFF.

STABILIZED CONSTRUCTION ENTRANCE - DETAIL
NOT TO SCALE

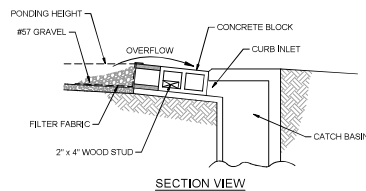
DROP INLET PROTECTION - DETAIL
NOT TO SCALE

NOTES:

1. DROP INLET PROTECTION ARE TO BE USED FOR NEARLY LEVEL DRAINAGE AREAS.
2. EXCAVATE A BASIN OF SUFFICIENT SIZE ADJACENT TO THE DROP INLET.
3. THE TOP OF THE STRUCTURE (PONING HEIGHT) MUST BE BELOW THE GROUND ELEVATION DOWNSLOPE TO PREVENT RUNOFF FROM BYPASSING THE INLET. A TEMPORARY DIKE MAY BE NECESSARY ON THE DOWNSLOPE SIDE OF THE STRUCTURE.



PLAN VIEW

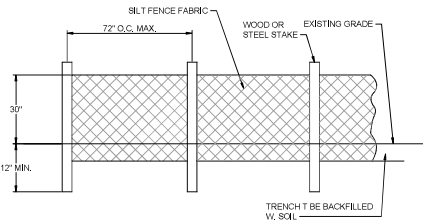


SECTION VIEW

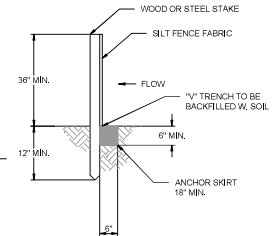
NOTES:

1. USE BLOCK AND GRAVEL TYPE SEDIMENT BARRIER WHEN CURB INLET IS LOCATED IN GENTLY SLOPING STREET SEGMENT WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. BARRIER SHALL ALLOW FOR OVERFLOW FROM SEVERE STORM EVENT.
3. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER - DETAIL
NOT TO SCALE



ELEVATION VIEW

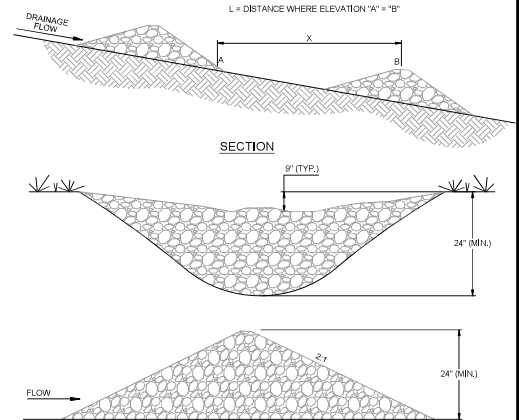


SECTION VIEW

NOTES:

1. SILT FENCE FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL AND CUT TO THE LENGTH OF THE OF THE BARRIER. WHEN JOINTS CANNOT BE AVOID, SILT FENCE FABRIC SHALL BE SPICED TOGETHER ONLY AT A POST WITH 3 FOOT MIN. OVERLAP AND SECURELY SEALED.
2. POSTED SHALL BE AT LEAST 5 FEET IN LENGTH.
3. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE AND FABRIC.
4. WOOD POSTS SHALL BE 2 INCHES BY 2 INCHES OR EQUIVALENT. STEEL POSTS SHALL BE 100 LBS PER LINEAR FOOT.
5. IF REQUIRED, A WIRE MESH SUPPORT FENCE SHALL BE FASTENED SECURELY TO THE UPSLOPE SIDE OF THE POSTS USING HEAVY DUTY WIRE STAPLES AT LEAST 1 INCH IN LENGTH. WIRE TIES, OR HOG RINGS, THE WIRE SHALL EXTEND INTO THE TRENCH A MINIMUM OF 2 INCHES AND SHALL NOT EXTEND MORE THAN 30 INCHES ABOVE THE ORIGINAL GROUND SURFACE.
6. TURN SILT FENCE UP SLOPE AT ENDS.

SILT FENCE - DETAIL
NOT TO SCALE



NOTES:

1. ROCK CHECK DAMS SHOULD BE CONSTRUCTED OF GRADED 5 TO 10 INCH STONE, MECHANICAL OR HAND PLACEMENTS SHALL BE REQUIRED TO ENSURE COMPLETE COVERAGE OF THE ENTIRE WIDTH OF DITCH OR SWALE AND THAT THE CENTER OF THE DAM IS LOWER THAN THE EDGES.
2. INSPECT BEHIND RIPRAP CHECKDAM DAILY AND CLEAN WHEN COLLECTED DEBRIS EXCEEDS HALF OF ITS DEPTH.

ROCK CHECK DAM - DETAIL
NOT TO SCALE

BY	
REVISIONS	
DATE	
NO.	

KY HWY 2
WATER MAIN RELOCATION
STANDARD DETAILS - EROSION
CONTROLS

BLUEGRASS
ENGINEERING, PLLC
222 East Main Street, Ste. 1 • Georgetown, KY 40324

PROJECT #:	28011
DATE:	JUNE 2026
PROJECT MGR:	CSW
DRAWN BY:	ASW
CHECKED BY:	CSW



UE 08

DOW REVIEW SET