



Andy Beshear
GOVERNOR

TRANSPORTATION CABINET

200 Mero Street
Frankfort, Kentucky 40601

Jim Gray
SECRETARY

November 29, 2022

CALL NO. 109
CONTRACT ID NO. 221063
ADDENDUM # 1

Subject: HENRY COUNTY, FBP 5162 (022)
Letting December 8, 2022

- (1) Revised - Utility Note - Pages 103-107 of 279
- (2) Revised - Proposal Bid Items - Pages 274-279 of 279
- (3) Revised - Plan Sheets - R002F, R002G, R036, R039, R040, R045, R051, R052, R055, R060, R061, and R065

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

Rachel Mills,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

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:

Henry County Water District:

- *Clery Construction*
- *Sedam Contracting*
- *Louisville Paving and Construction*
- *MAC Construction (added 11/23/2022)*

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.

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(s). 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.

PROPOSAL BID ITEMS

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Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	37,079.00	TON		\$	
0020	00008		CEMENT STABILIZED ROADBED	81,531.00	SQYD		\$	
0030	00020		TRAFFIC BOUND BASE	5,000.00	TON		\$	
0040	00100		ASPHALT SEAL AGGREGATE	294.00	TON		\$	
0050	00103		ASPHALT SEAL COAT	36.00	TON		\$	
0060	00190		LEVELING & WEDGING PG64-22	2,485.00	TON		\$	
0070	00212		CL2 ASPH BASE 1.00D PG64-22	23,328.00	TON		\$	
0080	00301		CL2 ASPH SURF 0.38D PG64-22	428.00	TON		\$	
0090	00307		CL2 ASPH SURF 0.38B PG64-22	6,762.00	TON		\$	
0100	00358		ASPHALT CURING SEAL	82.00	TON		\$	
0110	02101		CEM CONC ENT PAVEMENT-8 IN	586.00	SQYD		\$	
0120	02542		CEMENT	2,311.00	TON		\$	
0130	02702		SAND FOR BLOTTER	204.00	TON		\$	
0140	20071EC		JOINT ADHESIVE	50,448.00	LF		\$	
0150	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	72.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0160	00078		CRUSHED AGGREGATE SIZE NO 2	1,227.00	TON		\$	
0170	01015		INSPECT & CERTIFY EDGE DRAIN SYSTEM	1.00	LS		\$	
0180	01310		REMOVE PIPE	112.00	LF		\$	
0190	01691		FLUME INLET TYPE 2	2.00	EACH		\$	
0200	01891		ISLAND HEADER CURB TYPE 2	70.00	LF		\$	
0210	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	68.00	EACH		\$	
0215	02003		RELOCATE TEMP CONC BARRIER (ADDED 11-29-22)	350.00	LF		\$	
0220	02014		BARRICADE-TYPE III	6.00	EACH		\$	
0230	02091		REMOVE PAVEMENT	7,943.00	SQYD		\$	
0240	02159		TEMP DITCH	8,274.00	LF		\$	
0250	02200		ROADWAY EXCAVATION	267,576.00	CUYD		\$	
0260	02242		WATER	1,000.00	MGAL		\$	
0270	02351		GUARDRAIL-STEEL W BEAM-S FACE	3,387.50	LF		\$	
0280	02360		GUARDRAIL TERMINAL SECTION NO 1	9.00	EACH		\$	
0290	02363		GUARDRAIL CONNECTOR TO BRIDGE END TY A	2.00	EACH		\$	
0300	02373		GUARDRAIL END TREATMENT TYPE 3	1.00	EACH		\$	
0310	02381		REMOVE GUARDRAIL	1,746.00	LF		\$	
0320	02391		GUARDRAIL END TREATMENT TYPE 4A	11.00	EACH		\$	
0330	02397		TEMP GUARDRAIL	362.50	LF		\$	
0340	02429		RIGHT-OF-WAY MONUMENT TYPE 1	160.00	EACH		\$	
0350	02432		WITNESS POST	4.00	EACH		\$	
0360	02483		CHANNEL LINING CLASS II	738.00	TON		\$	
0370	02484		CHANNEL LINING CLASS III	689.00	TON		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0380	02545		CLEARING AND GRUBBING (APPROX. 59.96 ACRES)	1.00	LS		\$	
0390	02555		CONCRETE-CLASS B	1.00	CUYD		\$	
0400	02562		TEMPORARY SIGNS	800.00	SQFT		\$	
0410	02585		EDGE KEY	247.00	LF		\$	
0420	02602		FABRIC-GEOTEXTILE CLASS 1	3,544.00	SQYD		\$	
0430	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0440	02651		DIVERSIONS (BY-PASS DETOURS) DIVERSION #1 12' RT. STA. 250+00 TO 12' RT. STA. 264+50	1.00	LS		\$	
0450	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0460	02696		SHOULDER RUMBLE STRIPS	34,456.00	LF		\$	
0470	02701		TEMP SILT FENCE	8,274.00	LF		\$	
0480	02704		SILT TRAP TYPE B	60.00	EACH		\$	
0490	02705		SILT TRAP TYPE C	60.00	EACH		\$	
0500	02707		CLEAN SILT TRAP TYPE B	60.00	EACH		\$	
0510	02708		CLEAN SILT TRAP TYPE C	60.00	EACH		\$	
0520	02720		SIDEWALK-4 IN CONCRETE	4.00	SQYD		\$	
0530	02726		STAKING	1.00	LS		\$	
0540	02731		REMOVE STRUCTURE 2.5' X 1.5' RCBC STA. 245+37	1.00	LS		\$	
0550	02731		REMOVE STRUCTURE 2.5' X 2.5' RCBC STA. 149+22	1.00	LS		\$	
0560	02731		REMOVE STRUCTURE 3' X 2' RCBC STA. 230+46	1.00	LS		\$	
0570	02731		REMOVE STRUCTURE 3' X 3' RCBC STA. 239+71	1.00	LS		\$	
0580	02731		REMOVE STRUCTURE 3' X 3' RCBC STA. 258+32	1.00	LS		\$	
0590	02731		REMOVE STRUCTURE 4' X 3' RCBC STA. 167+15	1.00	LS		\$	
0600	02731		REMOVE STRUCTURE 4' X 4' RCBC STA. 177+45	1.00	LS		\$	
0610	02731		REMOVE STRUCTURE 5' X 4' RCBC STA. 251+94	1.00	LS		\$	
0620	02731		REMOVE STRUCTURE 6' X 4' RCBC STA. 184+62	1.00	LS		\$	
0630	02731		REMOVE STRUCTURE 6' X 4' RCBC STA. 209+40	1.00	LS		\$	
0640	02731		REMOVE STRUCTURE 8' X 4' RCBC STA. 204+17	1.00	LS		\$	
0650	02731		REMOVE STRUCTURE 8' X 4' RCBC STA. 263+35	1.00	LS		\$	
0660	02731		REMOVE STRUCTURE 8' X 6' RCBC STA. 191+65	1.00	LS		\$	
0670	02731		REMOVE STRUCTURE DOUBLE 10' X 6' RCBC STA. 217+75	1.00	LS		\$	
0675	02898		RELOCATE CRASH CUSHION (ADDED 11-29-22)	2.00	EACH		\$	
0676	03171		CONCRETE BARRIER WALL TYPE 9T (ADDED 11-29-22)	500.00	LF		\$	
0680	05950		EROSION CONTROL BLANKET	17,902.00	SQYD		\$	
0690	05952		TEMP MULCH	193,506.00	SQYD		\$	
0700	05953		TEMP SEEDING AND PROTECTION	145,130.00	SQYD		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0710	05963		INITIAL FERTILIZER	10.00	TON		\$	
0720	05964		MAINTENANCE FERTILIZER	10.00	TON		\$	
0730	05985		SEEDING AND PROTECTION	168,586.00	SQYD		\$	
0740	05989		SPECIAL SEEDING CROWN VETCH	72,269.00	SQYD		\$	
0750	05992		AGRICULTURAL LIMESTONE	191.00	TON		\$	
0760	06511		PAVE STRIPING-TEMP PAINT-6 IN	25,442.00	LF		\$	
0770	06515		PAVE STRIPING-PERM PAINT-6 IN	58,371.00	LF		\$	
0780	06531		PAVE STRIPING REMOVAL-6 IN	6,360.00	LF		\$	
0790	06568		PAVE MARKING-THERMO STOP BAR-24IN	28.00	LF		\$	
0795	08901		CRASH CUSHION TY VI CLASS BT TL2 (ADDED 11-29-22)	4.00	EACH		\$	
0800	10020NS		FUEL ADJUSTMENT	145,411.00	DOLL	\$1.00	\$	\$145,411.00
0810	10030NS		ASPHALT ADJUSTMENT	119,313.00	DOLL	\$1.00	\$	\$119,313.00
0820	20191ED		OBJECT MARKER TY 3	11.00	EACH		\$	
0830	20458ES403		CENTERLINE RUMBLE STRIPS	16,709.00	LF		\$	
0840	20550ND		SAWCUT PAVEMENT	247.00	LF		\$	
0870	23019EN		ASPHALT MILLING AND TEXTURING	400.00	SQYD		\$	
0880	23274EN11F		TURF REINFORCEMENT MAT 1	13,626.00	SQYD		\$	
0890	23275EN11F		TURF REINFORCEMENT MAT 2	24.00	SQYD		\$	
0900	23276EN11F		TURF REINFORCEMENT MAT 3	24.00	SQYD		\$	
0910	23277EN11F		TURF REINFORCEMENT MAT 4	32.00	SQYD		\$	
0920	24814EC		PIPELINE INSPECTION	2,108.00	LF		\$	
0930	25078ED		THRIE BEAM GUARDRAIL TRANSITION TL-3	4.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0940	00440		ENTRANCE PIPE-15 IN	681.00	LF		\$	
0950	00441		ENTRANCE PIPE-18 IN	88.00	LF		\$	
0960	00443		ENTRANCE PIPE-24 IN	236.00	LF		\$	
0970	00462		CULVERT PIPE-18 IN	50.00	LF		\$	
0980	00464		CULVERT PIPE-24 IN	509.00	LF		\$	
0990	00466		CULVERT PIPE-30 IN	198.00	LF		\$	
1000	00468		CULVERT PIPE-36 IN	139.00	LF		\$	
1010	00469		CULVERT PIPE-42 IN	329.00	LF		\$	
1020	00470		CULVERT PIPE-48 IN	335.00	LF		\$	
1030	00471		CULVERT PIPE-54 IN	420.00	LF		\$	
1040	00472		CULVERT PIPE-60 IN	127.00	LF		\$	
1050	00473		CULVERT PIPE-66 IN	151.00	LF		\$	
1060	00498		CULVERT PIPE-42 IN EQUIV	79.00	LF		\$	
1070	00505		CULVERT PIPE-78 IN EQUIV	71.00	LF		\$	
1080	00521		STORM SEWER PIPE-15 IN	354.00	LF		\$	
1090	00524		STORM SEWER PIPE-24 IN	85.00	LF		\$	
1100	00528		STORM SEWER PIPE-36 IN	364.21	LF		\$	
1110	01000		PERFORATED PIPE-4 IN	2,509.00	LF		\$	
1120	01010		NON-PERFORATED PIPE-4 IN	1,036.00	LF		\$	
1130	01020		PERF PIPE HEADWALL TY 1-4 IN	4.00	EACH		\$	
1140	01028		PERF PIPE HEADWALL TY 3-4 IN	19.00	EACH		\$	
1150	01032		PERF PIPE HEADWALL TY 4-4 IN	9.00	EACH		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1160	01204		PIPE CULVERT HEADWALL-18 IN	2.00	EACH		\$	
1170	01208		PIPE CULVERT HEADWALL-24 IN	7.00	EACH		\$	
1180	01210		PIPE CULVERT HEADWALL-30 IN	4.00	EACH		\$	
1190	01212		PIPE CULVERT HEADWALL-36 IN	5.00	EACH		\$	
1200	01214		PIPE CULVERT HEADWALL-42 IN	4.00	EACH		\$	
1210	01216		PIPE CULVERT HEADWALL-48 IN	4.00	EACH		\$	
1220	01220		PIPE CULVERT HEADWALL-60 IN	2.00	EACH		\$	
1230	01222		PIPE CULVERT HEADWALL-66 IN	2.00	EACH		\$	
1240	01398		METAL END SECTION TY 3-54 IN	1.00	EACH		\$	
1250	01424		METAL END SECTION TY 4-42 IN (EQUIV)	2.00	EACH		\$	
1260	01425		METAL END SECTION TY 3-78 IN (EQUIV)	2.00	EACH		\$	
1270	01451		S & F BOX INLET-OUTLET-24 IN	3.00	EACH		\$	
1280	01452		S & F BOX INLET-OUTLET-30 IN	2.00	EACH		\$	
1290	01496		DROP BOX INLET TYPE 3	2.00	EACH		\$	
1300	01767		MANHOLE TYPE C	2.00	EACH		\$	
1310	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	7,419.00	SQYD	\$2.00	\$	\$14,838.00
1320	08100		CONCRETE-CLASS A	1.68	CUYD		\$	
1330	21799EN		BORE AND JACK PIPE-24 IN	55.00	LF		\$	
1340	23332EC		BORE AND JACK PIPE-42 IN	62.00	LF		\$	
1350	23952EC		DRAINAGE JUNCTION BOX TY B	1.00	EACH		\$	
1360	24026EC		PIPE CULVERT HEADWALL-54 IN	5.00	EACH		\$	
1370	24186EC		BORE AND JACK PIPE-36 IN	60.00	LF		\$	
1380	26181EC		BORE AND JACK PIPE-60 IN	55.00	LF		\$	
1390	26182EC		BORE AND JACK PIPE-66 IN	60.00	LF		\$	

Section: 0004 - BRIDGE - NO. 27328 - STA. 135+77.74 BRIDGE WIDENING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1400	02231		STRUCTURE GRANULAR BACKFILL	92.00	CUYD		\$	
1410	02403		REMOVE CONCRETE MASONRY	54.00	CUYD		\$	
1420	03299		ARMORED EDGE FOR CONCRETE	41.50	LF		\$	
1430	08001		STRUCTURE EXCAVATION-COMMON	214.00	CUYD		\$	
1440	08002		STRUCTURE EXCAV-SOLID ROCK	23.00	CUYD		\$	
1450	08019		CYCLOPEAN STONE RIP RAP	409.00	TON		\$	
1460	08033		TEST PILES	50.00	LF		\$	
1470	08046		PILES-STEEL HP12X53	107.00	LF		\$	
1480	08094		PILE POINTS-12 IN	8.00	EACH		\$	
1490	08100		CONCRETE-CLASS A	96.60	CUYD		\$	
1500	08104		CONCRETE-CLASS AA	103.50	CUYD		\$	
1510	08150		STEEL REINFORCEMENT	10,024.00	LB		\$	
1520	08151		STEEL REINFORCEMENT-EPOXY COATED	23,648.00	LB		\$	
1530	08504		EPOXY SAND SLURRY	33.40	SQYD		\$	
1540	08534		CONCRETE OVERLAY-LATEX	19.90	CUYD		\$	
1550	08549		BLAST CLEANING	634.00	SQYD		\$	
1560	08551		MACHINE PREP OF SLAB	351.00	SQYD		\$	
1570	08632		PRECAST PC I BEAM TYPE 2	250.70	LF		\$	
1580	20663ED		REPLACE ARMORED EDGE	52.10	LF		\$	
1590	21532ED		RAIL SYSTEM TYPE III	257.30	LF		\$	

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LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1600	23378EC		CONCRETE SEALING	4,895.00	SQFT		\$	
1610	24094EC		PARTIAL DEPTH PATCHING	10.50	CUYD		\$	

Section: 0005 - BRIDGE - NO. 27329 - STA. 217+86.12 20' X 7' RCBC

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1620	08002		STRUCTURE EXCAV-SOLID ROCK	188.00	CUYD		\$	
1630	08003		FOUNDATION PREPARATION	1.00	LS		\$	
1640	08100		CONCRETE-CLASS A	281.50	CUYD		\$	
1650	08150		STEEL REINFORCEMENT	31,648.00	LB		\$	

Section: 0006 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1660	06406		SBM ALUM SHEET SIGNS .080 IN	488.00	SQFT		\$	
1670	06407		SBM ALUM SHEET SIGNS .125 IN	30.00	SQFT		\$	
1680	06410		STEEL POST TYPE 1	452.00	LF		\$	
1690	06412		STEEL POST MILE MARKERS	6.00	EACH		\$	
1700	20418ED		REMOVE & RELOCATE SIGNS	3.00	EACH		\$	
1710	24631EC		BARCODE SIGN INVENTORY	42.00	EACH		\$	

Section: 0007 - WATERLINE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1720	14002		W AIR RELEASE VALVE SPECIAL	1.00	EACH		\$	
1730	14005		W ENCASEMENT CONCRETE	500.00	LF		\$	
1740	14007		W ENCASEMENT STEEL BORED RANGE 2	140.00	LF		\$	
1750	14008		W ENCASEMENT STEEL BORED RANGE 3	275.00	LF		\$	
1760	14012		W ENCASEMENT STEEL OPEN CUT RANGE 1	80.00	LF		\$	
1770	14013		W ENCASEMENT STEEL OPEN CUT RANGE 2	20.00	LF		\$	
1780	14014		W ENCASEMENT STEEL OPEN CUT RANGE 3	260.00	LF		\$	
1790	14023		W FLUSHING ASSEMBLY	2.00	EACH		\$	
1800	14025		W METER 1 INCH	8.00	EACH		\$	
1810	14030		W METER RELOCATE	5.00	EACH		\$	
1820	14057		W PIPE PVC 03 INCH	730.00	LF		\$	
1830	14059		W PIPE PVC 06 INCH	12,510.00	LF		\$	
1840	14074		W PLUG EXISTING MAIN	2.00	EACH		\$	
1850	14077		W SERV PE/PLST LONG SIDE 1 IN	3.00	EACH		\$	
1860	14079		W SERV PE/PLST LONG SIDE 2 IN	3.00	EACH		\$	
1870	14082		W SERV PE/PLST SHORT SIDE 1 IN	24.00	EACH		\$	
1880	14089		W TAPPING SLEEVE AND VALVE SIZE 1	4.00	EACH		\$	
1890	14092		W TIE-IN 03 INCH	3.00	EACH		\$	
1900	14094		W TIE-IN 06 INCH	1.00	EACH		\$	
1910	14103		W VALVE 03 INCH	9.00	EACH		\$	
1920	14105		W VALVE 06 INCH	7.00	EACH		\$	
1930	14156		W METER REMOVE	8.00	EACH		\$	

221063

PROPOSAL BID ITEMS

Report Date 11/29/22

Section: 0008 - DEMOBILIZATION &/OR MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1940	02568		MOBILIZATION	1.00	LS		\$	
1950	02569		DEMOBILIZATION	1.00	LS		\$	

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	RO02F

ITEM	DESCRIPTION	UNIT	SHEET	R003	R005	R007	R009	R011	R013	R015	R017	R019	R021	R023	R025	PROJECT TOTALS
78	CRUSHED AGGREGATE SIZE NO 2 (7)(8)	TON														1,227
1015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LP SUM														1
1310	REMOVE PIPE	LF				37					75					112
1691	FLUME INLET TYPE 2	EACH				2										2
1891	ISLAND HEADER CURB TY 2	LF				4	66									70
1987	DELINEATORS FOR GUARDRAIL B/W	EACH														68
2003	RELOCATE TEMP CONC BARRIER (6)(9)	LF														350
2014	BARRICADE TYPE III (6)	EACH														6
2091	REMOVING PAVEMENT	SO YD			544	143	1,050	2,828	2,678	700						7,943
2159	TEMPORARY DITCH	LF														8,274
2200	ROADWAY EXCAVATION (4)	CU YD														267,576
2242	WATER (1)	M GAL														1,000
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	962.50	623.19	514.31	731.90	280.60								275	3,387.5
2360	GUARDRAIL TERMINAL SECTION TYPE 1	EACH	1	2		3	2								1	9
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH													2	2
2373	GUARDRAIL END TREATMENT TYPE 3	EACH	1													1
2381	REMOVE GUARDRAIL (5)	LF		453	515							246	232	300		1,746
2391	GUARDRAIL END TREATMENT TYPE 4A (6)	EACH	2	2	2											11
2397	TEMP GUARDRAIL (6)	LF														362.5
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	6	20	16	21	8	18	9	18	6	13	7	19	17	160
2432	WITNESS POST	EACH														4
2483	CHANNEL LINING CLASS II	TON			26	64				125		26	81	81		738
2484	CHANNEL LINING CLASS III	TON			52	87	20	30	208	47	117	41	30	57		689
2545	CLEARING AND GRUBBING (2)	LP SUM														1
2555	CONCRETE - CLASS B (3)	CU YD									1					1
2562	SIGNS (TEMPORARY) (6)	SO FT														800
2568	MOBILIZATION	LP SUM														1
2569	DEMOBILIZATION	LP SUM														1
2585	EDGE KEY	LF	154	21	16			15						18	23	247
2602	FABRIC-GEOTEXTILE CLASS 1 (7)	SO YD														3,544
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM														1
2651	DIVERSION #1 12' RT. STA. 250+00 TO 12' RT. STA. 264+50	LP SUM														1
2671	PORTABLE CHANGEABLE MESSAGE SIGN (6)	EACH														2
2696	SHOULDER RUMBLE STRIPS	LF														34,456
2701	TEMPORARY SILT FENCE	LF														8,274
2704	SILT TRAP TYPE B	EACH														60
2705	SILT TRAP TYPE C	EACH														60
2707	CLEAN SILT TRAP TYPE B	EACH														60
2708	CLEAN SILT TRAP TYPE C	EACH														60
2720	SIDEWALK-4 IN CONCRETE	SO YD														4
2726	STAKING	LP SUM														4
2731	REMOVE STRUCTURE (2.5'X2.5' RCBC STA. 149+22)	LP SUM					1									1
2731	REMOVE STRUCTURE (4'X3' RCBC STA. 167+15)	LP SUM														1
2731	REMOVE STRUCTURE (4'X4' RCBC STA. 177+45)	LP SUM														1
2731	REMOVE STRUCTURE (6'X4' RCBC STA. 184+62)	LP SUM														1
2731	REMOVE STRUCTURE (8'X6' RCBC STA. 191+65)	LP SUM														1
2731	REMOVE STRUCTURE (8'X4' RCBC STA. 204+17)	LP SUM									1					1
2731	REMOVE STRUCTURE (6'X4' RCBC STA. 209+40)	LP SUM										1				1
2731	REMOVE STRUCTURE (DBL 10'X6' RCBC STA. 217+75)	LP SUM											1			1
2731	REMOVE STRUCTURE (3'X2' RCBC STA. 230+46)	LP SUM												1		1
2731	REMOVE STRUCTURE (3'X3' RCBC STA. 239+71)	LP SUM														1
2731	REMOVE STRUCTURE (2.5'X1.5' RCBC STA. 245+37)	LP SUM														1
2731	REMOVE STRUCTURE (5'X4' RCBC STA. 251+94)	LP SUM														1
2731	REMOVE STRUCTURE (3'X3' RCBC STA. 258+32)	LP SUM														1
2731	REMOVE STRUCTURE (8'X4' RCBC STA. 263+35)	LP SUM														1
2898	RELOCATE CRASH CUSHION (6)(9)	EACH														2
3171	CONCRETE BARRIER WALL TYPE 9T (6)(9)	LF														500
5950	EROSION CONTROL BLANKET	SO YD	767	1,177	456	764	1,958	2,073	2,183	2,015	2,153	2,015	1,573	1,694	1,089	17,902
5952	TEMPORARY MULCH	SO YD														193,506
5953	TEMP SEEDING AND PROTECTION	SO YD														145,130

TOTAL PROJECT EARTHWORK

EXCAVATION	157,724 CU. YD. COMMON	EMBAKMENT	181,836 CU. YD. EMBAKMENT
	75,657 CU. YD. ROCK		8,197 CU. YD. REFILL
	2,824 CU. YD. SURF. DTS.		190,033 CU. YD.
	14,099 CU. YD. EMB. BENCHES		14,099 CU. YD. EMB. BENCHES
	17,272 CU. YD. TRANS. BENCHES		17,272 CU. YD. TRANS. BENCHES
	267,576 CU. YD.		221,404 CU. YD.

WASTE: 46,172 CU. YD.

NOTES:

- ① FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
- ② APPROXIMATELY 59.96 ACRES
- ③ FOR PARTIALLY GROUTED RIPRAP
- ④ QUANTITY INCLUDES ADJUSTMENT FOR SHOULDER WIDENING FOR GUARDRAIL END TREATMENTS TYPE 1 & TYPE 4A
- ⑤ REMOVED GUARDRAIL TO BE SALVAGED BY THE CONTRACTOR AND DELIVERED TO THE DEPARTMENT
- ⑥ INCLUDES QUANTITIES CARRYOVER FROM MOT ESTIMATE OF QUANTITIES
- ⑦ TO BE USED FOR SUBGRADE STABILIZATION. SEE GEOTECH NOTE 12.
- ⑧ INCLUDES QUANTITY CARRYOVER FROM PERF. PIPE SUMMARY SHEET.
- ⑨ SEE TEMPORARY BARRIER/CRASH CUSHION REMOVAL NOTE IN THE GENERAL NOTES ON SHEET R002N.

NOTE:
ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS NOTED OTHERWISE. THEIR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002F

REVISED 11-22-22

NOTES:

- ① FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
- ② APPROXIMATELY 59.96 ACRES
- ③ FOR PARTIALLY GROUTED RIPRAP
- ④ QUANTITY INCLUDES ADJUSTMENT FOR SHOULDER WIDENING FOR GUARDRAIL END TREATMENTS TYPE 1 & TYPE 4A
- ⑤ REMOVED GUARDRAIL TO BE SALVAGED BY THE CONTRACTOR AND DELIVERED TO THE DEPARTMENT
- ⑥ INCLUDES QUANTITIES CARRYOVER FROM MOT ESTIMATE OF QUANTITIES
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- ⑧ INCLUDES QUANTITY CARRYOVER FROM PERE PIPE SUMMARY SHEET.
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ITEM	DESCRIPTION	UNIT	SHEET	R003	R005	R007	R009	R011	R013	R015	R017	R019	R021	R023	R025	PROJECT TOTALS
78	CRUSHED AGGREGATE SIZE NO 2	TON														1,227
1015	INSPECT & CERTIFY EDGE DRAIN SYSTEM	LP SUM														1
1310	REMOVE PIPE	LF				37					75					112
1691	FLUME INLET TYPE 2	EACH				2										2
1891	ISLAND HEADER CURB TY 2	LF				4	66									70
1987	RELINERS FOR GUARDRAIL BANK	EACH														68
2003	RELOCATE TEMP CONC BARRIER	LF														350
204	BARRIER TYPE III	EACH														6
2091	REMOVING PAVEMENT	SO YD		544		143	1,050	2,828	2,678	700						7,943
2159	TEMPORARY DITCH	LF														8,274
2200	ROADWAY EXCAVATION	CU YD														267,576
2242	WATER	M GAL														1,000
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF		962.50		623.19	514.31	731.90	280.60						275	3,387.5
2360	GUARDRAIL TERMINAL SECTION TYPE 1	EACH		1		2		3	2						1	9
2363	GUARDRAIL CONNECTOR TO BRIDGE END TY A	EACH													2	2
2373	GUARDRAIL END TREATMENT TYPE 3	EACH		1												1
2381	REMOVE GUARDRAIL	LF				453	515					246	232	300		1,746
2391	GUARDRAIL END TREATMENT TYPE 4A	EACH		2		2	2		1							11
2397	TEMP GUARDRAIL	LF														362.5
2429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH		6	20	16	21	8	9	18	6	13	7	19	17	160
2432	WITNESS POST	EACH														4
2483	CHANNEL LINING CLASS II	TON				26	64		125		26	81	81			738
2484	CHANNEL LINING CLASS III	TON		52	87	20	30	208	47	41	30	57				689
2545	CLEARING AND GRUBBING	LP SUM														1
2555	CONCRETE - CLASS B	CU YD									1					1
2562	SIGNS (TEMPORARY)	SO FT														800
2568	MOBILIZATION	LP SUM														1
2569	DEMOBILIZATION	LP SUM														1
2585	EDGE KEY	LF		154	21		16		15				18	23		247
2602	FABRIC-GEOTEXTILE CLASS 1	SO YD														3,544
2650	MAINTAIN AND CONTROL TRAFFIC	LP SUM														1
2651	DIVERSION #1 12' RT. STA. 250+00 TO 12' RT. STA. 264+50	LP SUM														1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH														2
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2708	CLEAN SILT TRAP TYPE C	EACH														60
2720	SIDEWALK-4 IN CONCRETE	SO YD														4
2726	STAKING	LP SUM														1
2731	REMOVE STRUCTURE (2.5'X2.5' RCBC STA. 149+22)	LP SUM					1									1
2731	REMOVE STRUCTURE (4'X3' RCBC STA. 167+15)	LP SUM							1							1
2731	REMOVE STRUCTURE (4'X4' RCBC STA. 177+45)	LP SUM							1							1
2731	REMOVE STRUCTURE (6'X4' RCBC STA. 184+62)	LP SUM								1						1
2731	REMOVE STRUCTURE (8'X6' RCBC STA. 191+65)	LP SUM								1						1
2731	REMOVE STRUCTURE (8'X4' RCBC STA. 204+17)	LP SUM									1					1
2731	REMOVE STRUCTURE (6'X4' RCBC STA. 209+40)	LP SUM									1					1
2731	REMOVE STRUCTURE (DBL 10'X6' RCBC STA. 217+75)	LP SUM										1				1
2731	REMOVE STRUCTURE (3'X2' RCBC STA. 230+46)	LP SUM											1			1
2731	REMOVE STRUCTURE (3'X3' RCBC STA. 239+71)	LP SUM												1		1
2731	REMOVE STRUCTURE (2.5'X1.5' RCBC STA. 245+37)	LP SUM														1
2731	REMOVE STRUCTURE (5'X4' RCBC STA. 251+94)	LP SUM														1
2731	REMOVE STRUCTURE (3'X3' RCBC STA. 258+32)	LP SUM														1
2731	REMOVE STRUCTURE (8'X4' RCBC STA. 263+35)	LP SUM														1
2898	RELOCATE CRASH CUSHION	EACH														2
3171	CONCRETE BARRIER WALL TYPE 9T	LF														500
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5952	TEMPORARY MULCH	SO YD														193,506
5953	TEMP SEEDING AND PROTECTION	SO YD														145,130

TOTAL PROJECT EARTHWORK	
EXCAVATION	157,724 CU. YD. COMMON 75,657 CU. YD. ROCK 2,824 CU. YD. SURF. DTS. 14,099 CU. YD. EMB. BENCHES 17,272 CU. YD. TRANS. BENCHES 267,576 CU. YD.
EMBANKMENT	181,836 CU. YD. EMBANKMENT 8,197 CU. YD. REFILL 190,033 CU. YD. 14,099 CU. YD. EMB. BENCHES 17,272 CU. YD. TRANS. BENCHES 221,404 CU. YD.
WASTE: 46,172 CU. YD.	

NOTE:
ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS NOTED OTHERWISE. THEIR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

GENERAL SUMMARY
KY 146 RECONSTRUCTION
SHEET 1 OF 2

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R002G

REVISED 11-22-22

NOTES:

- ① INCLUDES QUANTITIES CARRYOVER FROM LOT ESTIMATE OF QUANTITIES
- ② SEE TEMPORARY BARRIER/CRASH CUSHION REMOVAL NOTE IN THE GENERAL NOTES ON SHEET R002N.

NOTE:
ALL EXISTING STORM DRAINAGE PIPES AND STRUCTURES WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE REMOVED UNLESS NOTED OTHERWISE. THEIR REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

ITEM	DESCRIPTION	UNIT	SHEET R003	SHEET R005	SHEET R007	SHEET R009	SHEET R011	SHEET R013	SHEET R015	SHEET R017	SHEET R019	SHEET R021	SHEET R023	SHEET R025	PROJECT TOTALS
5963	INITIAL FERTILIZER	TON													10
5964	MAINTENANCE FERTILIZER	TON													10
5985	SEEDING AND PROTECTION	SO YD													168,586
5989	SPECIAL SEEDING CROWN VETCH	SO YD													72,269
5992	AGRICULTURAL LIMESTONE	TON													191
6511	PAVE STRIPING-TEMP PAINT-6 IN	LF													25,442
6515	PAVE STRIPING-PERM PAINT-6 IN	LF													58,371
6531	PAVE STRIPING REMOVAL-6 IN	LF													6,360
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF													28
8901	CRASH CUSHION TY VI CLASS BT TL2	EACH													4
10020NS	FUEL ADJUSTMENT	DOLL													145,411
10030NS	ASPHALT ADJUSTMENT	DOLL													119,313
20458ES403	CENTERLINE RUMBLE STRIPS	LF													16,709
20550ND	SAWCUT PAVEMENT	LF													247
2019IED	OBJECT MARKER TY 3	EACH													11
23274ENIIF	TURF REINFORCEMENT MAT 1	SO YD	218	1,075	2,562	1,707	1,917	1,856	1,007	561	752	775	661	535	13,626
23275ENIIF	TURF REINFORCEMENT MAT 2	SO YD				10				14			24	24	24
23276ENIIF	TURF REINFORCEMENT MAT 3	SO YD													24
23277ENIIF	TURF REINFORCEMENT MAT 4	SO YD											32	32	32
24814EC	PIPELINE INSPECTION	LF													2,108
25078ED	THRIE BEAM GUARDRAIL TRANSITION TL-3	EACH				4									4
23019EN	ASPHALT MILLING AND TEXTURING	SO YD												400	400

GENERAL NOTES

TRAFFIC CONTROL

- 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.
- Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid for at the lump sum bid price to "Maintain and Control Traffic" as set forth in the current *Standard Specifications for Road and Bridge Construction* unless otherwise provided for in these notes. The lump sum bid to "Maintain and Control Traffic" shall also include, but is not limited to, the following items and operations:
 - 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".
 - All labor and materials necessary for construction and maintenance of traffic control devices and markings.
 - 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 *Manual on Uniform Traffic Control Devices*, or the Engineer.
- Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the Contractor when no longer needed.

BLASTING OPERATIONS

During blasting operations, traffic may be halted a maximum of 20 minutes per hour to allow the execution of the "shot" and to allow for removal of rock fragments and debris. Blasting will not be permitted between the hours of 3:00 PM and 8:30 AM.

The Contractor shall be assessed damages in the amount of \$250 for the first 15 minutes and then \$500 for each 30 minutes after that if traffic is not restored within the 20 minutes stoppage allowed.

The Contractor, when using explosive charges of any kind for the purpose of excavating, removal, etc., on this project shall halt all traffic a safe distance on either side of the impending explosion.

The Contractor shall have suitable equipment at the site and in a running mode for the purpose of cleaning the existing pavements of all debris. After any blast, the Contractor shall immediately inspect the pavements for any debris that may be a hazard to traffic before allowing traffic to proceed on the affected section.

When blasting, the Contractor shall halt traffic, blast, clean the existing pavements and return traffic to normal operation in the least amount of time possible.

REMOVAL OF EXISTING PAVEMENT MARKINGS

Any conflicting existing pavement markers and markings shall be removed prior to implementing a new traffic marking scheme. No direct payment will be allowed for this removal operations and it will be considered incidental to the item "MAINTAIN and CONTROL TRAFFIC". Traffic shall not be shifted from one phase to another before appropriate temporary lane markings have been installed and approved by the Engineer.

SPEED LIMIT

The posted speed limit shall be reduced by 10 m.p.h. in the active construction zone. Cover or replace existing 55 mph signs with temporary, regulatory 45 mph signs. Post 35 mph advisory signs at each diversion.

FINAL SURFACE

When the Sequence of Construction calls for partial width construction of pavement for a section of highway in a phase, the surface course shall not be placed until the full width of pavement including shoulders has been completed in a later phase.

CONTRACTOR'S VEHICLES

The Contractor's vehicles shall always move with and not against the flow the traffic. Vehicles shall enter and leave work areas in a manner which will not be hazardous to or interfere with normal traffic. Vehicles shall not park or stop except within work areas designated by the Engineer.

- The contractor shall maintain a two-lane traveled way with a minimum lane width of 10 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 except between the hours of 6:30 am to 8:30 am, and 3:00 pm to 6:00 pm.
- 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.
- 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 to the flow of traffic.
- 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.
- If the Contractor desires to deviate from the traffic control scheme 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.
- If traffic should be stopped due to construction operations and an emergency vehicle on an official emergency run arrives on the scene, the Contractor shall make provisions for the passage of that vehicle as quickly as possible.

SPECIAL NOTES

PAVEMENT EDGE DROP-OFFS

Difference in Elevation for Travel Lanes

Pavement edge that traffic is expected to cross in a lane change situation should not have an elevation difference greater than 1/2 inches. This may be increased to 2 inches for low speed situations. Warning signs should be placed in advance and throughout the drop-off area.

Pavement Drop-Off

Pavement edges that traffic is not expected to cross, except accidentally, should be treated as follows:

Less Than 2 inches - No protection required. Warning signs should be placed in advance and throughout the drop-off area.

2 to 4 inches - Place plastic drums, vertical panels or barricades every 100 feet on tangent sections for speeds 50 miles per hour 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 miles per hour and for curves, devices should be placed every 50 feet. Spacing for tapers should be in accordance with the *Manual on Uniform Traffic Control Devices*.

Greater Than 4 inches - Positive separation or wedge with 3:1 or flatter slope needed. If there is 5 feet or more distance between the edge of pavement and drop-off, drums, panels or barricades may be used. If concrete barriers are used, special reflective devices or steady burn lights should be used for overnight installations.

PAVEMENT EDGE DROP OFFS (CONTINUED)

For temporary conditions, drop-offs greater than 4 inches may be protected with plastic drums, vertical panels or barricades for short distances during daylight hours while work is being done in the drop-off area.

Lesser treatments than those described above may be considered for low-volume local roads.

Payment will be allowed for the DGA material used for wedging.

Diversion Drainage

Unless specifically listed as a bid item and called out in the plans for payment, all temporary drainage work for diversions shall be incidental to the bid item for Diversions in accordance with 2012 Standard Specifications Section 112.04.18; all other temporary drainage work required to ensure the roadway is well-drained shall be incidental to the appropriate items for roadway grading in accordance with 2012 Standard Specifications Sections 112 and 204.03.

- Any roadways, except entrances, that are anticipated to be in use for a period of seven (7) consecutive days or more for the maintenance of traffic shall be paved with bituminous surfacing materials, as directed by the Engineer. Payment shall be in accordance with the appropriate bid items for the type of bituminous material selected. Removal of such item for continuing grade and drain work or any other permanent work item that may be in conflict with the temporary bituminous surfacing shall be incidental.
- All signs necessary for a marked detour will be provided by the Contractor as required by the *Standard Drawings* and the *Manual on Uniform Traffic Control Devices*. Signs outside the project limits shall be paid for by the square foot. This quantity shall include sign mounting hardware and posts.
- Traffic destinations and construction phasing that do not change from one phase to the next are not shown for the unchanged phase.
- Contractor shall maintain access to all affected properties at all times during construction.
- Contractor shall complete the current phase of drainage structure construction under traffic within that construction phase of work before advancing to the next phase.
- Construction phasing of cross drains and storm sewers is shown on pipe drainage sheets and storm sewer profiles as described in Construction Sequence notes.

Trenches

Unless specifically listed as a bid item and called out in the plans for payment, all temporary bracing, shoring or trench stabilization work for pipe and culvert installation shall be incidental to the work. Trenches shall not remain open during non-working hours. All trenches shall be backfilled immediately and kept safe for workers and the general public at all times.

Pavement Restoration

For the duration of the project, all trench and excavation for any pipe installation (utility, storm, culvert) that requires temporary and/or permanent disturbance of paved material, being entrances, mainline, approach roads, parking lots, etc. shall be paved in-kind with asphaltic or concrete material within 30 days of the pipe installation. A penalty of \$500/ day will be assessed for each day past the 30 day limit. Maintenance of applied material shall also be required for the duration of the project.

MAINTENANCE OF TRAFFIC ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	DESCRIPTION
3651	TON	3	CRUSHED STONE BASE
① 5000	TON	20	TRAFFIC BOUND BASE
2058	TON	212	CL 2 ASPH BASE 1.00D PG64-22
428	TON	301	CL 2 ASPH SURF 0.38D PG64-22
350	LIN FT	2003	RELOCATE TEMP CONC BARRIER
6	EACH	2014	BARRICADE TYPE III
3	EACH	2391	GUARDRAIL END TREATMENT TYPE 4A
362.5	LIN FT	2397	TEMP GUARDRAIL
600	SO FT	2562	SIGNS (TEMPORARY)
2	EACH	2671	PORTABLE CHANGEABLE MESSAGE SIGN
2	EACH	2898	RELOCATE CRASH CUSHION
500	LIN FT	3171	CONCRETE BARRIER WALL TYPE 9T
4	EACH	8901	CRASH CUSHION TYPE VI CLASS BT TL2

NOTE: The quantities shown here are also included on the summary sheets.
 ① For use at Engineer's discretion for maintenance of traffic/entrances.

PHASE 4

Complete surface coarse and striping operations under traffic.

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 MAINT. OF TRAFFIC NOTES

SCALE: 1"=10'

GENERAL NOTES

TRAFFIC CONTROL

- 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.
- Except for the roadway and traffic control bid items listed, all items of work necessary to maintain and control traffic will be paid for at the lump sum bid price to "Maintain and Control Traffic" as set forth in the current *Standard Specifications for Road and Bridge Construction* unless otherwise provided for in these notes. The lump sum bid to "Maintain and Control Traffic" shall also include, but is not limited to, the following items and operations:
 - 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".
 - All labor and materials necessary for construction and maintenance of traffic control devices and markings.
 - 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 *Manual on Uniform Traffic Control Devices*, or the Engineer.
- Any temporary traffic control items, devices, materials, and incidentals shall remain the property of the Contractor when no longer needed.

- The contractor shall maintain a two-lane traveled way with a minimum lane width of 10 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 except between the hours of 6:30 am to 8:30 am, and 3:00 pm to 6:00 pm.
- 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.
- 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 to the flow of traffic.
- 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.
- If the Contractor desires to deviate from the traffic control scheme 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.
- If traffic should be stopped due to construction operations and an emergency vehicle on an official emergency run arrives on the scene, the Contractor shall make provisions for the passage of that vehicle as quickly as possible.

SPECIAL NOTES

PAVEMENT EDGE DROP-OFFS

Difference in Elevation for Travel Lanes

Pavement edge that traffic is expected to cross in a lane change situation should not have an elevation difference greater than 1/2 inches. This may be increased to 2 inches for low speed situations. Warning signs should be placed in advance and throughout the drop-off area.

Pavement Drop-Off

Pavement edges that traffic is not expected to cross, except accidentally, should be treated as follows:

Less Than 2 inches - No protection required. Warning signs should be placed in advance and throughout the drop-off area.

2 to 4 inches - Place plastic drums, vertical panels or barricades every 100 feet on tangent sections for speeds 50 miles per hour 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 miles per hour and for curves, devices should be placed every 50 feet. Spacing for tapers should be in accordance with the *Manual on Uniform Traffic Control Devices*.

Greater Than 4 inches - Positive separation or wedge with 3:1 or flatter slope needed. If there is 5 feet or more distance between the edge of pavement and drop-off, drums, panels or barricades may be used. If concrete barriers are used, special reflective devices or steady burn lights should be used for overnight installations.

BLASTING OPERATIONS

During blasting operations, traffic may be halted a maximum of 20 minutes per hour to allow the execution of the "shot" and to allow for removal of rock fragments and debris. Blasting will not be permitted between the hours of 3:00 PM and 8:30 AM.

The Contractor shall be assessed damages in the amount of \$250 for the first 15 minutes and then \$500 for each 30 minutes after that if traffic is not restored within the 20 minutes stoppage allowed.

The Contractor, when using explosive charges of any kind for the purpose of excavating, removal, etc., on this project shall halt all traffic a safe distance on either side of the impending explosion.

The Contractor shall have suitable equipment at the site and in a running mode for the purpose of cleaning the existing pavements of all debris. After any blast, the Contractor shall immediately inspect the pavements for any debris that may be a hazard to traffic before allowing traffic to proceed on the affected section.

When blasting, the Contractor shall halt traffic, blast, clean the existing pavements and return traffic to normal operation in the least amount of time possible.

REMOVAL OF EXISTING PAVEMENT MARKINGS

Any conflicting existing pavement markers and markings shall be removed prior to implementing a new traffic marking scheme. No direct payment will be allowed for this removal operations and it will be considered incidental to the item "MAINTAIN and CONTROL TRAFFIC". Traffic shall not be shifted from one phase to another before appropriate temporary lane markings have been installed and approved by the Engineer.

SPEED LIMIT

The posted speed limit shall be reduced by 10 m.p.h. in the active construction zone. Cover or replace existing 55 mph signs with temporary, regulatory 45 mph signs. Post 35 mph advisory signs at each diversion.

FINAL SURFACE

When the Sequence of Construction calls for partial width construction of pavement for a section of highway in a phase, the surface course shall not be placed until the full width of pavement including shoulders has been completed in a later phase.

CONTRACTOR'S VEHICLES

The Contractor's vehicles shall always move with and not against the flow the traffic. Vehicles shall enter and leave work areas in a manner which will not be hazardous to or interfere with normal traffic. Vehicles shall not park or stop except within work areas designated by the Engineer.

- Any roadways, except entrances, that are anticipated to be in use for a period of seven (7) consecutive days or more for the maintenance of traffic shall be paved with bituminous surfacing materials, as directed by the Engineer. Payment shall be in accordance with the appropriate bid items for the type of bituminous material selected. Removal of such item for continuing grade and drain work or any other permanent work item that may be in conflict with the temporary bituminous surfacing shall be incidental.

- All signs necessary for a marked detour will be provided by the Contractor as required by the *Standard Drawings* and the *Manual on Uniform Traffic Control Devices*. Signs outside the project limits shall be paid for by the square foot. This quantity shall include sign mounting hardware and posts.
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- Contractor shall maintain access to all affected properties at all times during construction.
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Pavement Restoration

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MAINTENANCE OF TRAFFIC ESTIMATE OF QUANTITIES

TOTAL	UNITS	CODE	DESCRIPTION
3651	TON	3	CRUSHED STONE BASE
5000	TON	20	TRAFFIC BOUND BASE
2058	TON	212	CL 2 ASPH BASE 1.00D PG64-22
478	TON	301	CL 2 ASPH SURF 0.38D PG64-22
350	LIN FT	2003	RELOCATE TEMP CONC BARRIER
6	EACH	2044	BARRICADE TYPE III
3	EACH	2391	GUARDRAIL END TREATMENT TYPE 4A
362.5	LIN FT	2397	TEMP GUARDRAIL
600	SO FT	2562	SIGNS (TEMPORARY)
2	EACH	2674	PORTABLE CHANGEABLE MESSAGE SIGN
2	EACH	2898	RELOCATE CRASH CUSHION
500	LIN FT	3171	CONCRETE BARRIER WALL TYPE 9T
4	EACH	8901	CRASH CUSHION TYPE VI CLASS BT TL2

NOTE: The quantities shown here are also included on the summary sheets.
 ① For use at Engineer's discretion for maintenance of traffic/entrances.

PHASE 4

Complete surface coarse and striping operations under traffic.

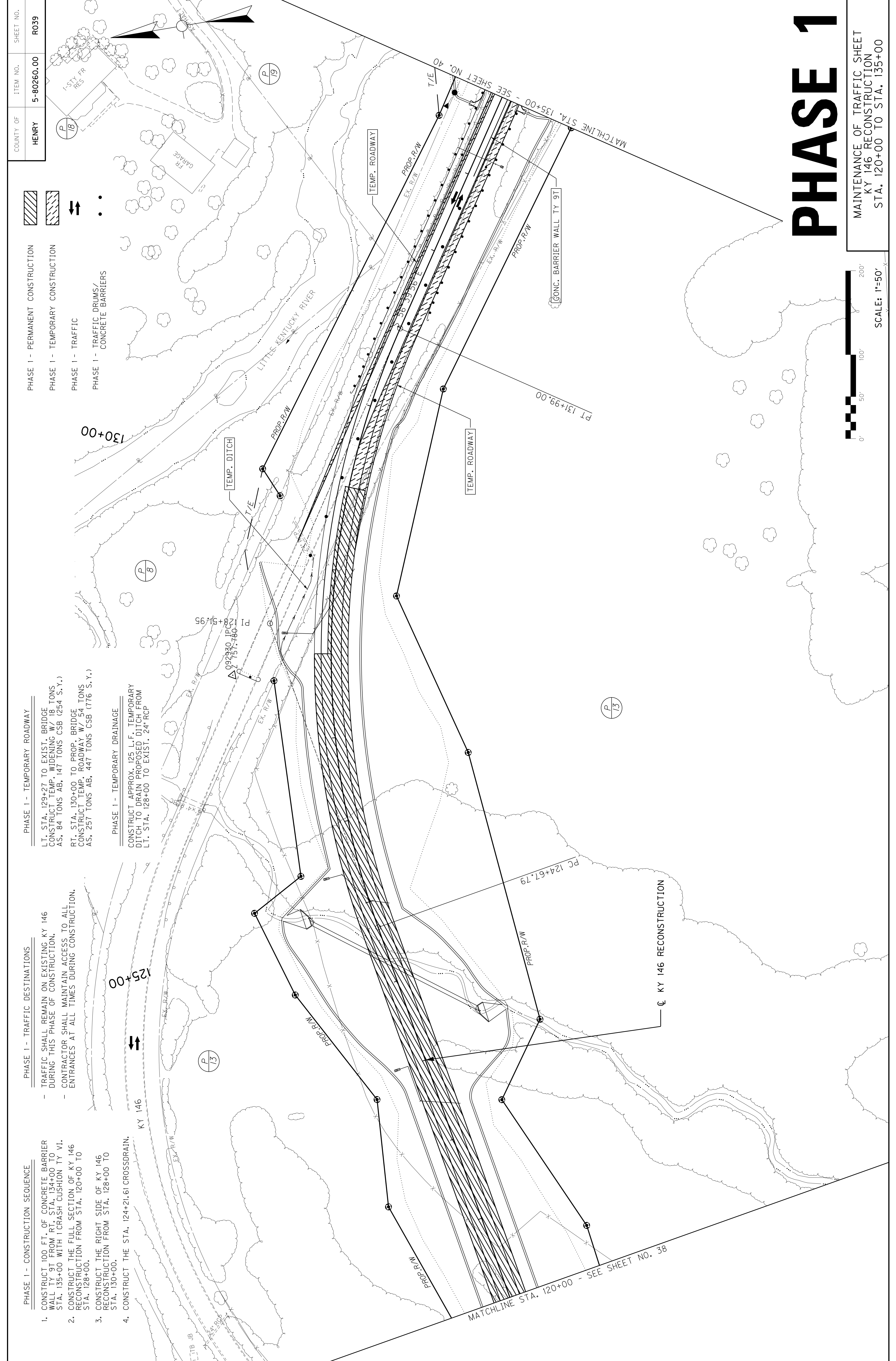
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R039

- PHASE 1 - PERMANENT CONSTRUCTION
- PHASE 1 - TEMPORARY CONSTRUCTION
- PHASE 1 - TRAFFIC
- PHASE 1 - TRAFFIC DRUMS/
CONCRETE BARRIERS

- PHASE 1 - TEMPORARY ROADWAY
- PHASE 1 - TEMPORARY DRAINAGE

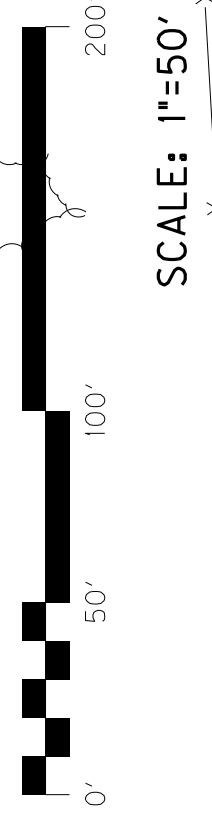
- PHASE 1 - TRAFFIC DESTINATIONS

- PHASE 1 - CONSTRUCTION SEQUENCE



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 120+00 TO STA. 135+00



COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R039

REVISED 11-22-22

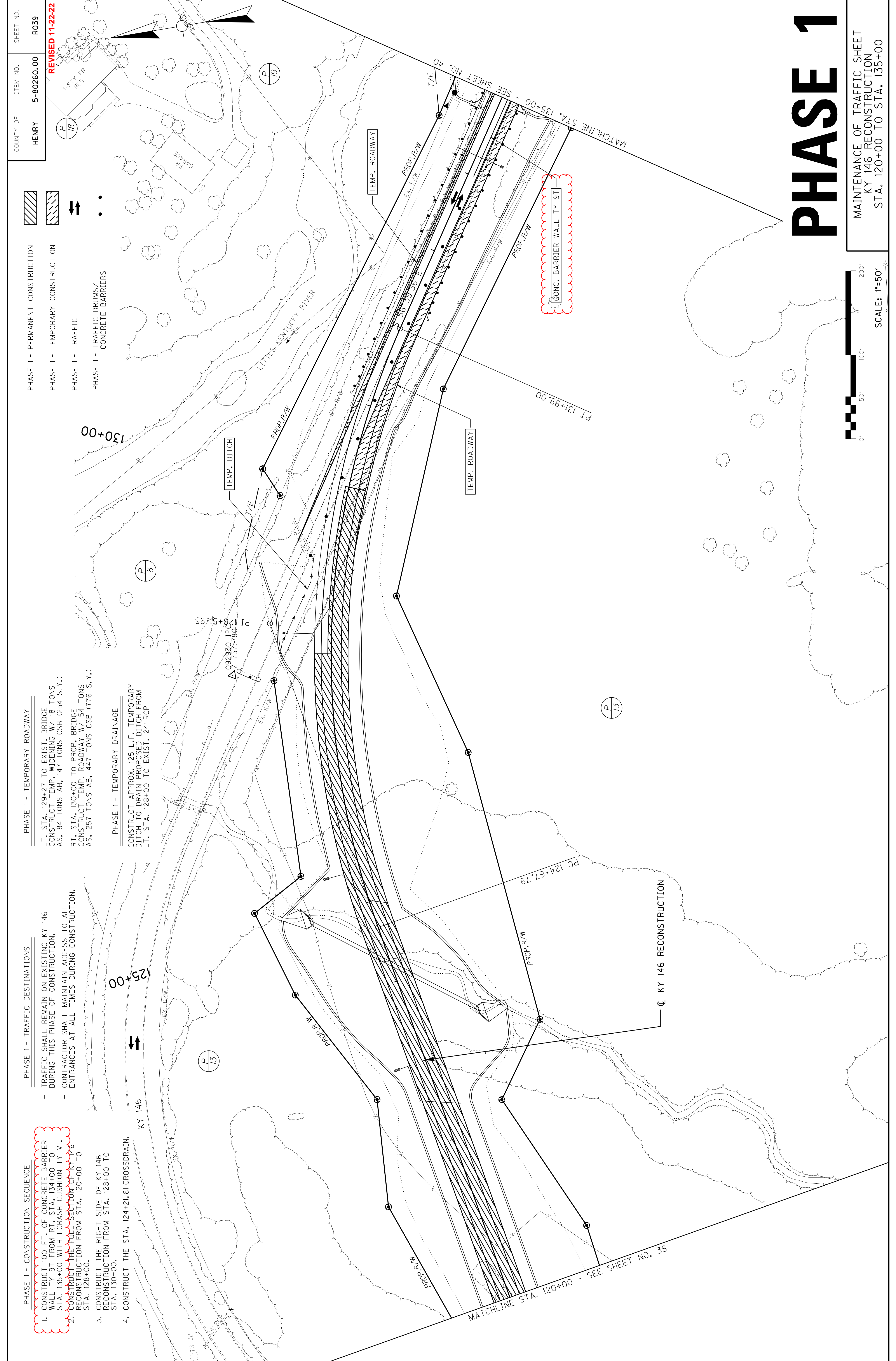
- PHASE 1 - PERMANENT CONSTRUCTION
- PHASE 1 - TEMPORARY CONSTRUCTION
- PHASE 1 - TRAFFIC
- PHASE 1 - TRAFFIC DRUMS/
CONCRETE BARRIERS

PHASE 1 - TEMPORARY ROADWAY
 LT. STA. 129+27 TO EXIST. BRIDGE
 CONSTRUCT TEMP. WIDENING W/ 18 TONS
 AS, 84 TONS AB, 147 TONS CSB (254 S.Y.)
 RT. STA. 130+00 TO PROP. BRIDGE
 CONSTRUCT TEMP. ROADWAY W/ 54 TONS
 AS, 257 TONS AB, 447 TONS CSB (776 S.Y.)

PHASE 1 - TEMPORARY DRAINAGE
 CONSTRUCT APPROX. 125 L.F. TEMPORARY
 DITCH TO DRAIN PROPOSED DITCH FROM
 LT. STA. 128+00 TO EXIST. 24" RCP

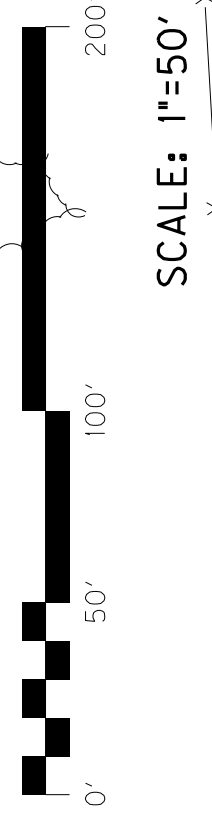
PHASE 1 - TRAFFIC DESTINATIONS
 - TRAFFIC SHALL REMAIN ON EXISTING KY 146
 DURING THIS PHASE OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL
 ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- PHASE 1 - CONSTRUCTION SEQUENCE
1. CONSTRUCT 100 FT. OF CONCRETE BARRIER WALL TY 9T FROM RT. STA. 134+00 TO STA. 135+00 WITH 1 CRASH CUSHION TY VI.
 2. CONSTRUCT THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 120+00 TO STA. 128+00.
 3. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 128+00 TO STA. 130+00.
 4. CONSTRUCT THE STA. 124+21.61 CROSSDRAIN.



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 120+00 TO STA. 135+00



COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R040

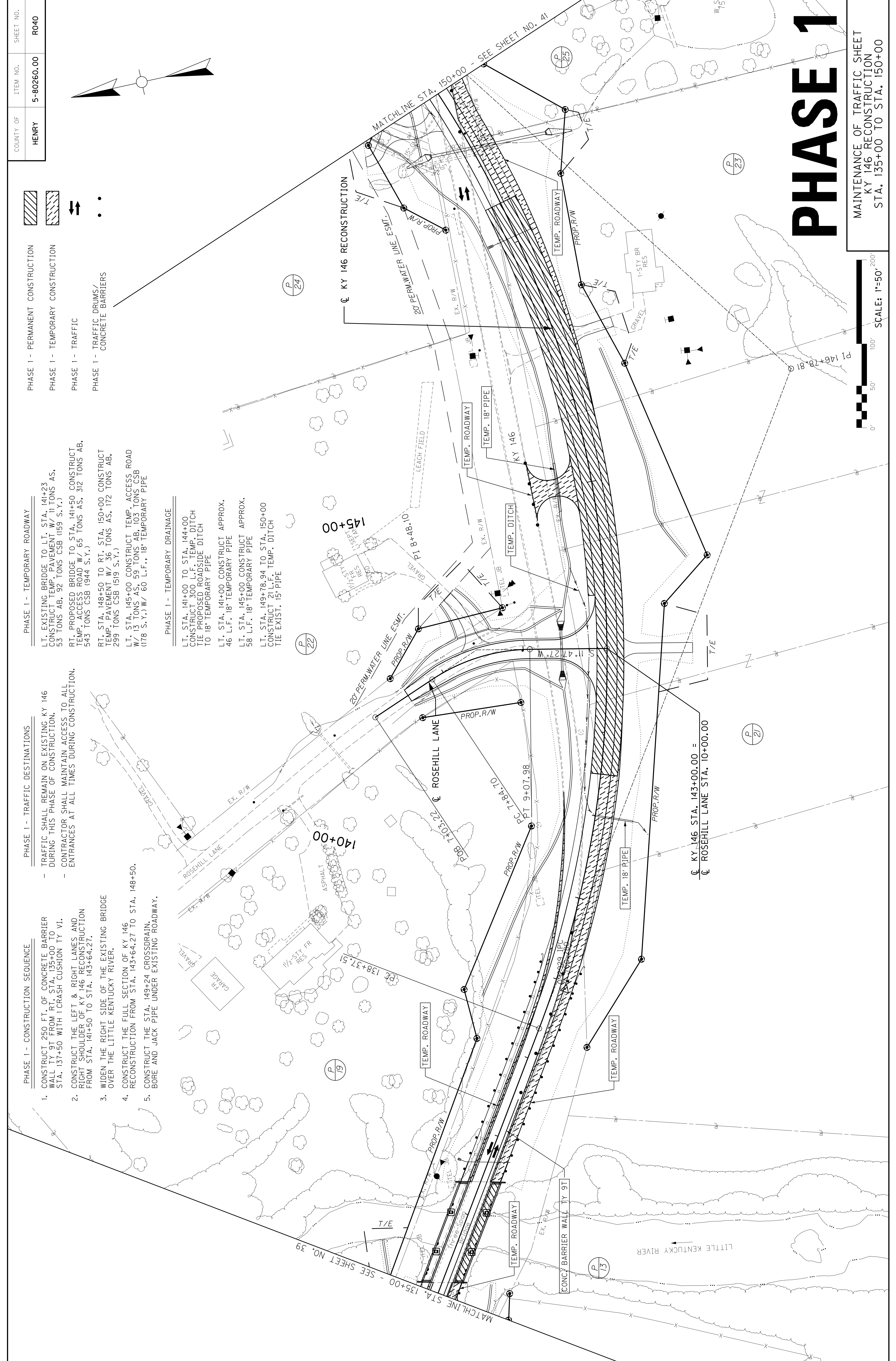
- PHASE 1 - TEMPORARY ROADWAY
- PHASE 1 - TRAFFIC DESTINATIONS
- PHASE 1 - CONSTRUCTION SEQUENCE
- PHASE 1 - PERMANENT CONSTRUCTION
- PHASE 1 - TEMPORARY CONSTRUCTION
- PHASE 1 - TRAFFIC
- PHASE 1 - TRAFFIC DRUMS/
CONCRETE BARRIERS

PHASE 1 - TEMPORARY ROADWAY
 LT. EXISTING BRIDGE TO LT. STA. 141+23
 CONSTRUCT TEMP. PAVEMENT W/ 11 TONS AS,
 53 TONS AB, 92 TONS CSB (159 S.Y.)
 RT. PROPOSED BRIDGE TO STA. 141+50 CONSTRUCT
 TEMP. ACCESS ROAD W/ 65 TONS AS, 312 TONS AB,
 543 TONS CSB (944 S.Y.)
 RT. STA. 148+50 TO RT. STA. 150+00 CONSTRUCT
 TEMP. PAVEMENT W/ 36 TONS AS, 172 TONS AB,
 299 TONS CSB (519 S.Y.)
 LT. STA. 145+00 CONSTRUCT TEMP. ACCESS ROAD
 W/ 13 TONS AS, 59 TONS AB, 103 TONS CSB
 (178 S.Y.) W/ 60 L.F., 18" TEMPORARY PIPE

PHASE 1 - TRAFFIC DESTINATIONS
 - TRAFFIC SHALL REMAIN ON EXISTING KY 146
 DURING THIS PHASE OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL
 ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

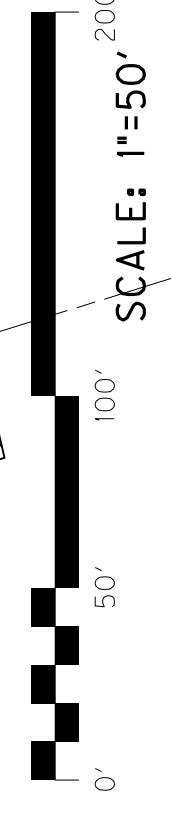
PHASE 1 - CONSTRUCTION SEQUENCE
 1. CONSTRUCT 250 FT. OF CONCRETE BARRIER
 WALL TY 9T FROM RT. STA. 135+00 TO
 STA. 137+50 WITH 1 CRASH CUSHION TY V1.
 2. CONSTRUCT THE LEFT & RIGHT LANES AND
 RIGHT SHOULDER OF KY 146 RECONSTRUCTION
 FROM STA. 141+50 TO STA. 143+64.27.
 3. WIDEN THE RIGHT SIDE OF THE EXISTING BRIDGE
 OVER THE LITTLE KENTUCKY RIVER.
 4. CONSTRUCT THE FULL SECTION OF KY 146
 RECONSTRUCTION FROM STA. 143+64.27 TO STA. 148+50.
 5. CONSTRUCT THE STA. 149+24 CROSSRAIN,
 BORE AND JACK PIPE UNDER EXISTING ROADWAY.

PHASE 1 - TEMPORARY DRAINAGE
 LT. STA. 141+00 TO STA. 144+00
 CONSTRUCT 300 L.F. TEMP. DITCH
 TIE PROPOSED ROADSIDE DITCH
 TO 18" TEMPORARY PIPE
 LT. STA. 141+00 CONSTRUCT APPROX.
 46 L.F. 18" TEMPORARY PIPE
 LT. STA. 145+00 CONSTRUCT APPROX.
 58 L.F. 18" TEMPORARY PIPE
 LT. STA. 149+78.94 TO STA. 150+00
 CONSTRUCT 21 L.F. TEMP. DITCH
 TIE EXIST. 15" PIPE



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 135+00 TO STA. 150+00



COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R040

REVISED 11-22-22

- PHASE 1 - TEMPORARY ROADWAY
- PHASE 1 - TRAFFIC DESTINATIONS
- PHASE 1 - CONSTRUCTION SEQUENCE
- PHASE 1 - PERMANENT CONSTRUCTION
- PHASE 1 - TEMPORARY CONSTRUCTION
- PHASE 1 - TRAFFIC
- PHASE 1 - TRAFFIC DRUMS/ CONCRETE BARRIERS

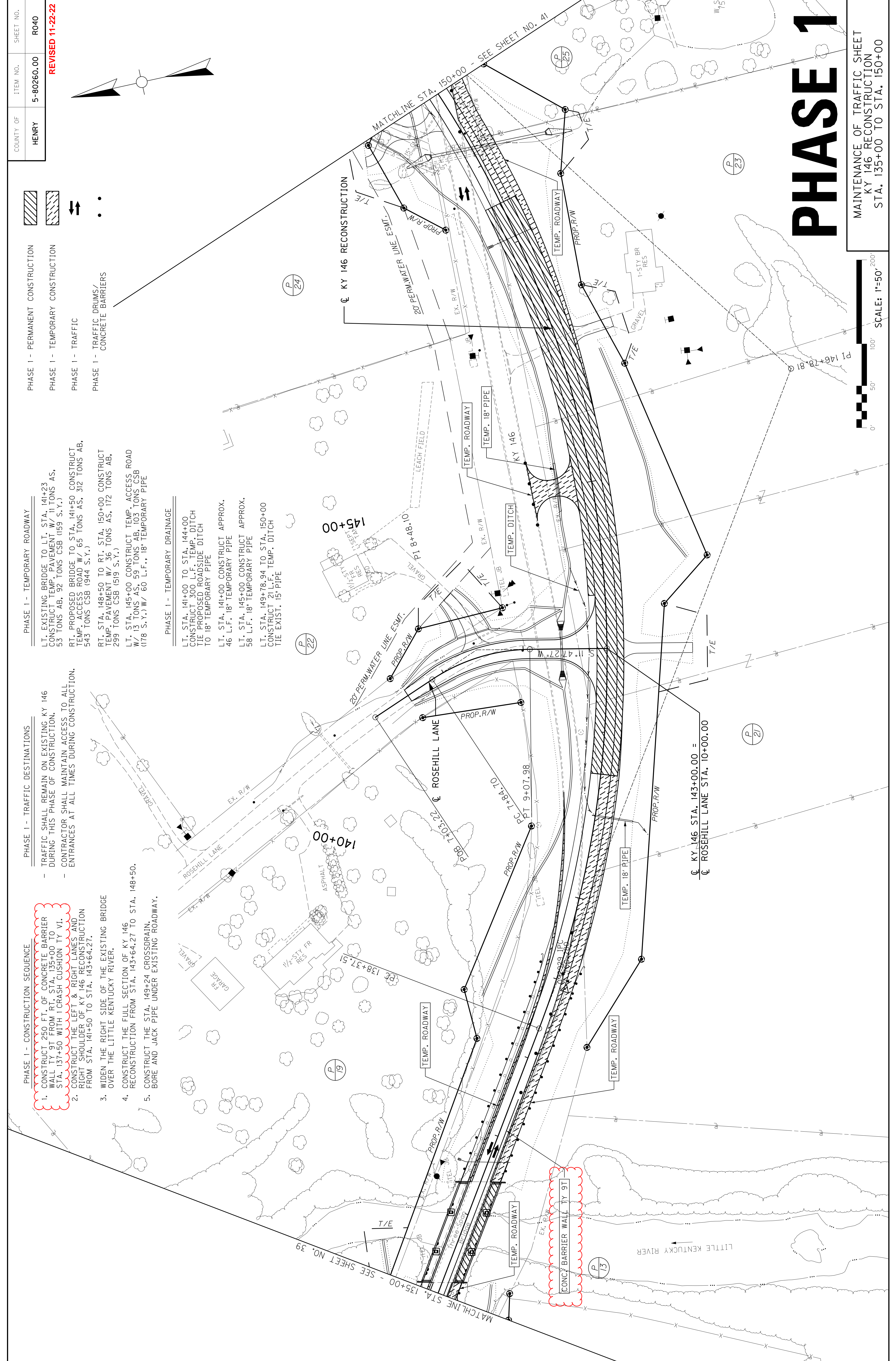
PHASE 1 - TEMPORARY ROADWAY
 LT. EXISTING BRIDGE TO LT. STA. 141+23 CONSTRUCT TEMP. PAVEMENT W/ 11 TONS AS. 53 TONS AB. 92 TONS CSB (159 S.Y.)
 RT. PROPOSED BRIDGE TO STA. 141+50 CONSTRUCT TEMP. ACCESS ROAD W/ 65 TONS AS. 312 TONS AB. 543 TONS CSB (944 S.Y.)
 RT. STA. 148+50 TO RT. STA. 150+00 CONSTRUCT TEMP. PAVEMENT W/ 36 TONS AS. 172 TONS AB. 299 TONS CSB (519 S.Y.)
 LT. STA. 145+00 CONSTRUCT TEMP. ACCESS ROAD W/ 13 TONS AS. 59 TONS AB. 103 TONS CSB (178 S.Y.) W/ 60 L.F., 18" TEMPORARY PIPE

PHASE 1 - TRAFFIC DESTINATIONS
 - TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- PHASE 1 - CONSTRUCTION SEQUENCE
1. CONSTRUCT 250 FT. OF CONCRETE BARRIER WALL TY 9T FROM RT. STA. 135+00 TO STA. 137+50 WITH 1 CRASH CUSHION TY V1.
 2. CONSTRUCT THE LEFT & RIGHT LANES AND RIGHT SHOULDER OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 143+64.27.
 3. WIDEN THE RIGHT SIDE OF THE EXISTING BRIDGE OVER THE LITTLE KENTUCKY RIVER.
 4. CONSTRUCT THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 143+64.27 TO STA. 148+50.
 5. CONSTRUCT THE STA. 149+24 CROSSRAIN. BORE AND JACK PIPE UNDER EXISTING ROADWAY.

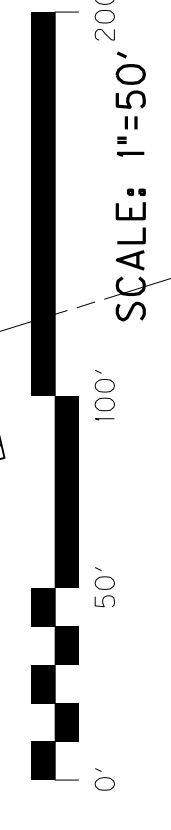
PHASE 1 - TEMPORARY DRAINAGE

LT. STA. 141+00 TO STA. 144+00 CONSTRUCT 300 L.F. TEMP. DITCH TIE PROPOSED ROADSIDE DITCH TO 18" TEMPORARY PIPE
 LT. STA. 141+00 CONSTRUCT APPROX. 46 L.F. 18" TEMPORARY PIPE
 LT. STA. 145+00 CONSTRUCT APPROX. 58 L.F. 18" TEMPORARY PIPE
 LT. STA. 149+78.94 TO STA. 150+00 CONSTRUCT 21 L.F. TEMP. DITCH TIE EXIST. 15" PIPE



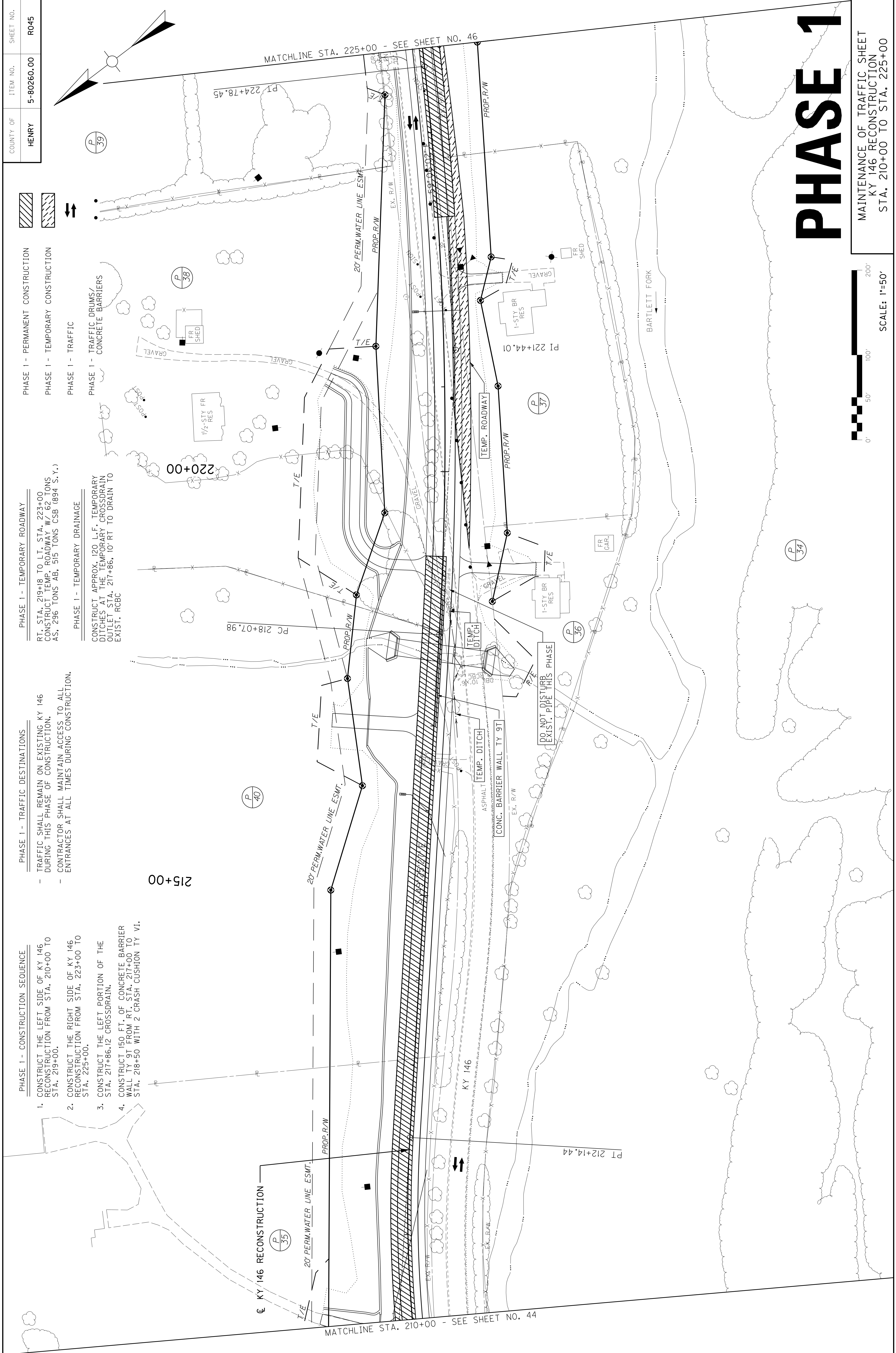
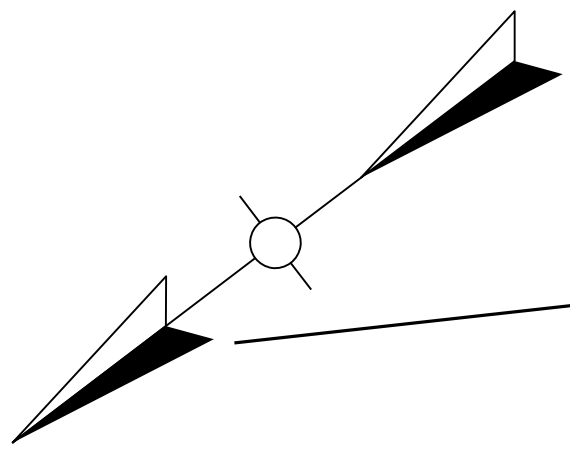
PHASE 1

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 135+00 TO STA. 150+00

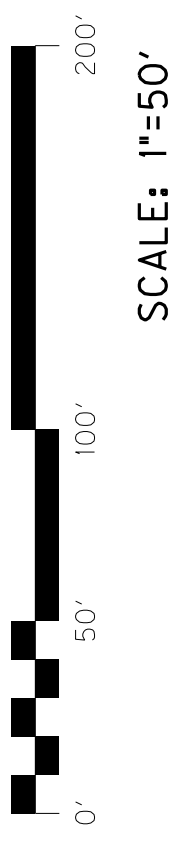


COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R045

- PHASE 1 - CONSTRUCTION SEQUENCE
 1. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 210+00 TO STA. 219+00.
 2. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 223+00 TO STA. 225+00.
 3. CONSTRUCT THE LEFT PORTION OF THE STA. 217+86.12 CROSSDRAIN.
 4. CONSTRUCT 150 FT. OF CONCRETE BARRIER WALL TY 9T FROM RT. STA. 217+00 TO STA. 218+50 WITH 2 CRASH CUSHION TY VI.
- PHASE 1 - TRAFFIC DESTINATIONS
 - TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.
- PHASE 1 - TEMPORARY ROADWAY
 - RT. STA. 219+18 TO LT. STA. 223+00 CONSTRUCT TEMP. ROADWAY W/ 62 TONS AS, 296 TONS AB, 515 TONS CSB (894 S.Y.)
 - PHASE 1 - TEMPORARY DRAINAGE
 - CONSTRUCT APPROX. 120 L.F. TEMPORARY DITCHES AT THE TEMPORARY CROSSDRAIN OUTLET STA. 217+86, 10' RT TO DRAIN TO EXIST. RCBC
- PHASE 1 - PERMANENT CONSTRUCTION
- PHASE 1 - TEMPORARY CONSTRUCTION
- PHASE 1 - TRAFFIC
 - PHASE 1 - TRAFFIC DRUMS/ CONCRETE BARRIERS



PHASE 1



SCALE: 1"=50'

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 210+00 TO STA. 225+00

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R045

REVISED 11-22-22

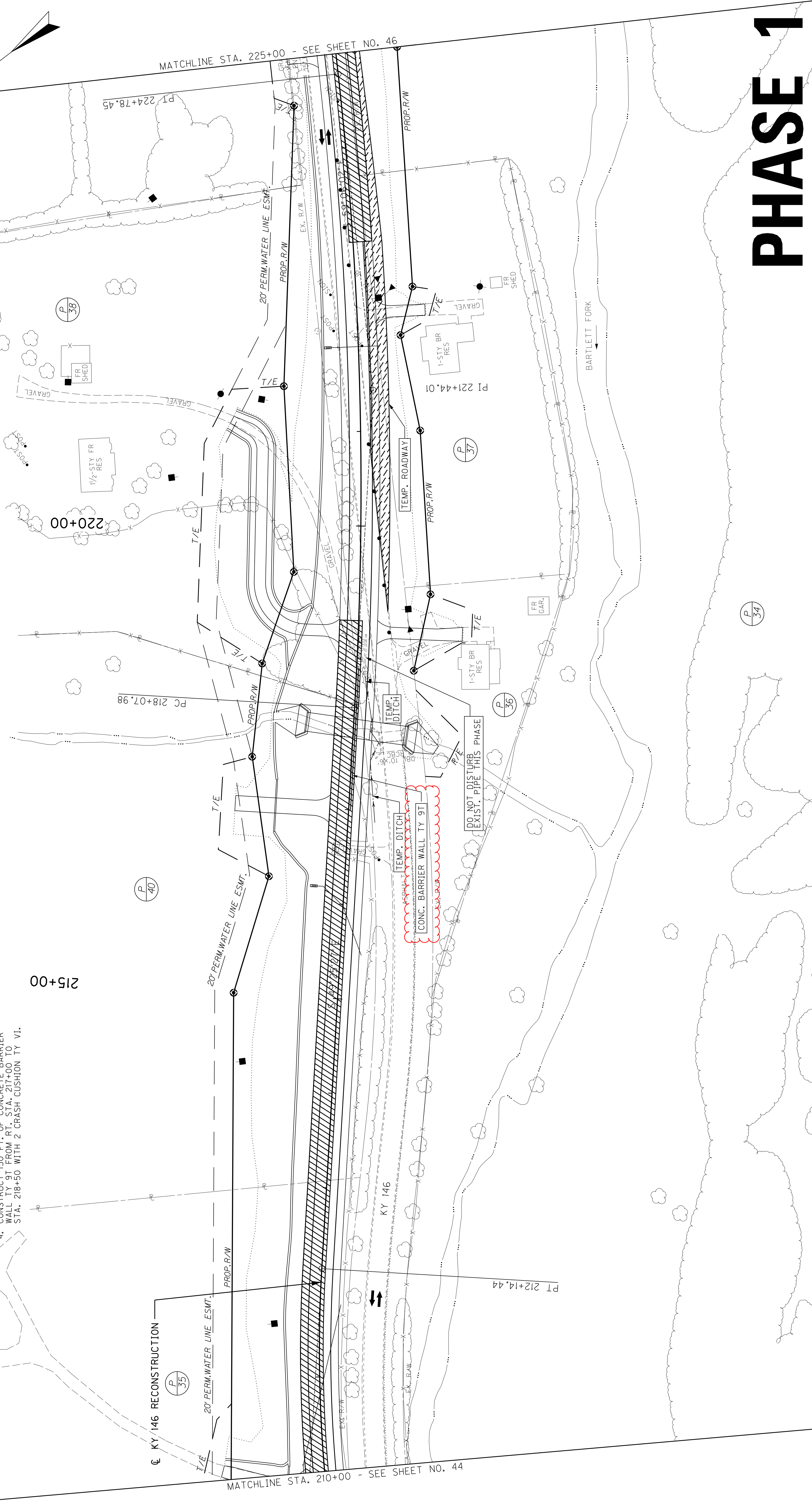
- PHASE 1 - TEMPORARY ROADWAY
- PHASE 1 - TRAFFIC DESTINATIONS
- PHASE 1 - PERMANENT CONSTRUCTION
- PHASE 1 - TEMPORARY CONSTRUCTION
- PHASE 1 - TRAFFIC
- PHASE 1 - TRAFFIC DRUMS/
CONCRETE BARRIERS

TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

CONSTRUCT APPROX. 120 L.F. TEMPORARY DITCHES AT THE TEMPORARY CROSSRAIN OUTLET STA. 217+86, 10' RT TO DRAIN TO EXIST. RCBC

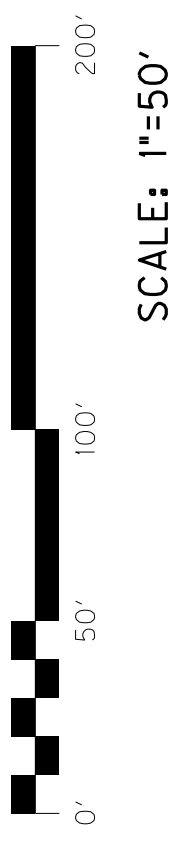
TRAFFIC SHALL REMAIN ON EXISTING KY 146 DURING THIS PHASE OF CONSTRUCTION.
CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- PHASE 1 - CONSTRUCTION SEQUENCE**
1. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 210+00 TO STA. 219+00.
 2. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 223+00 TO STA. 225+00.
 3. CONSTRUCT THE LEFT PORTION OF THE STA. 217+86.12 CROSSRAIN.
 4. CONSTRUCT 150 FT. OF CONCRETE BARRIER WALL TY 9T FROM RT. STA. 217+00 TO STA. 218+50 WITH 2 CRASH CUSHION TY VI.



PHASE 1

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 210+00 TO STA. 225+00



COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R051

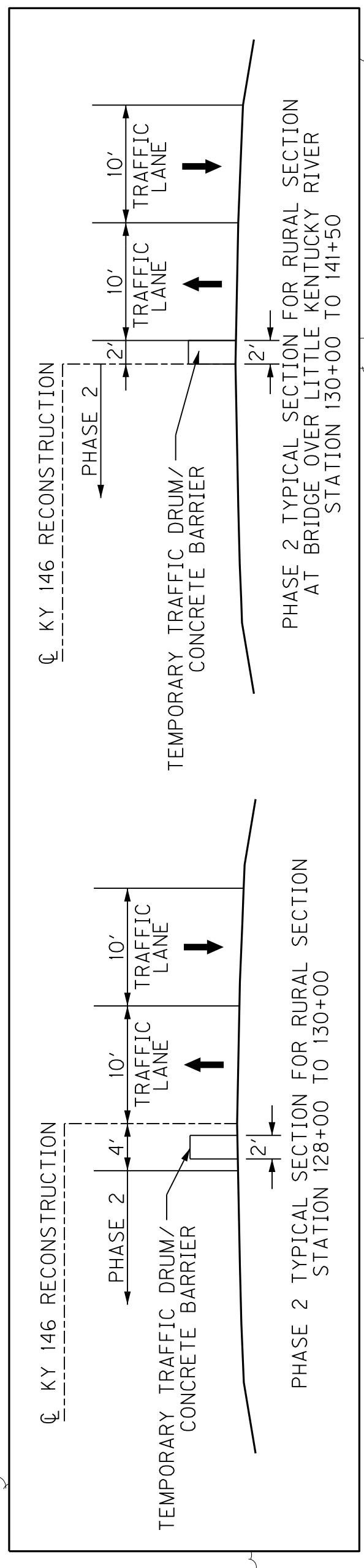
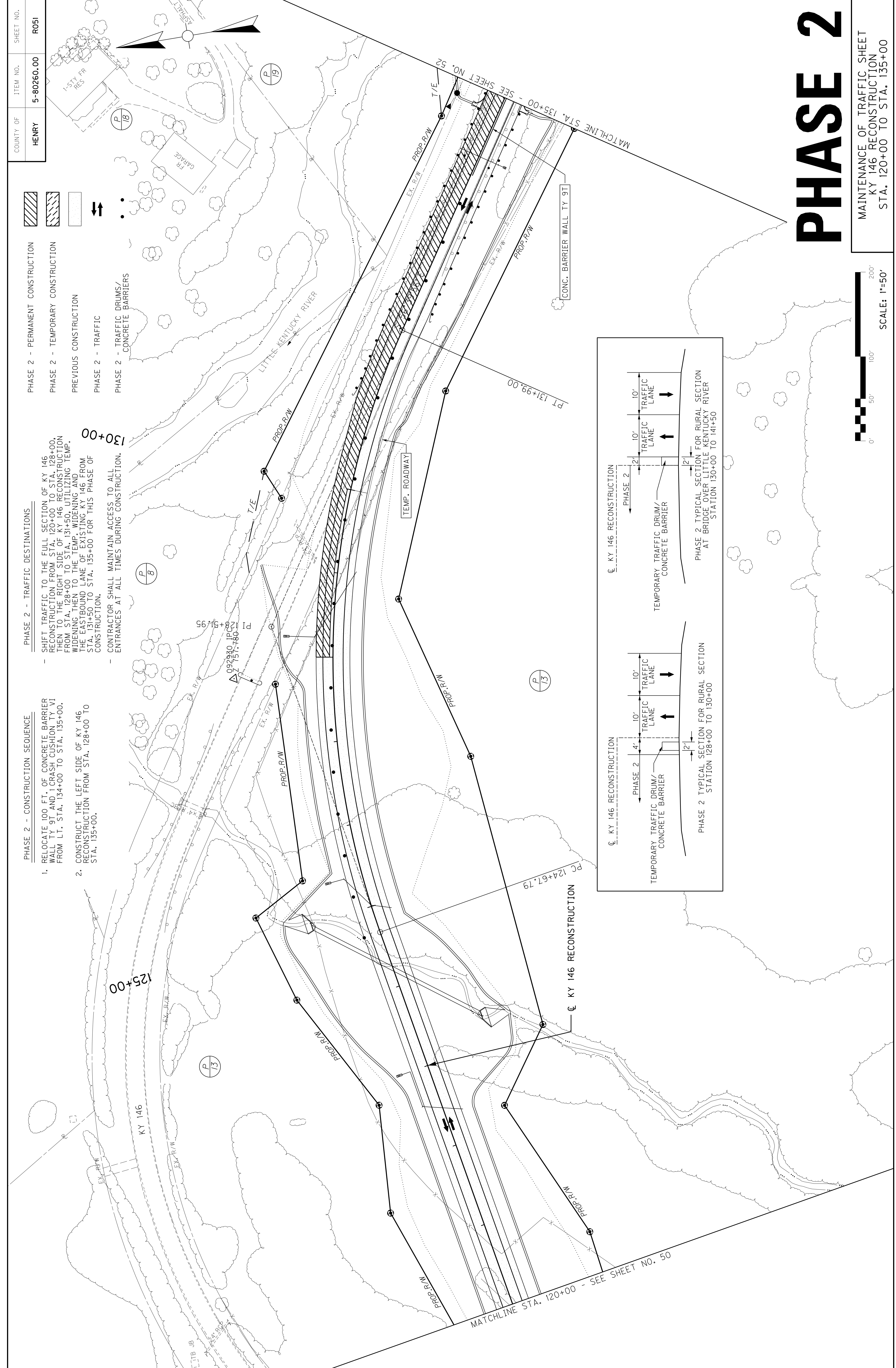
- PHASE 2 - PERMANENT CONSTRUCTION
- PHASE 2 - TEMPORARY CONSTRUCTION
- PREVIOUS CONSTRUCTION
- PHASE 2 - TRAFFIC
- PHASE 2 - TRAFFIC DRUMS/
CONCRETE BARRIERS

PHASE 2 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 120+00 TO STA. 128+00, THEN TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 128+00 TO STA. 131+50, UTILIZING TEMP. WIDENING THEN TO THE TEMP. WIDENING AND THE EASTBOUND LANE OF EXISTING KY 146 FROM STA. 131+50 TO STA. 135+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

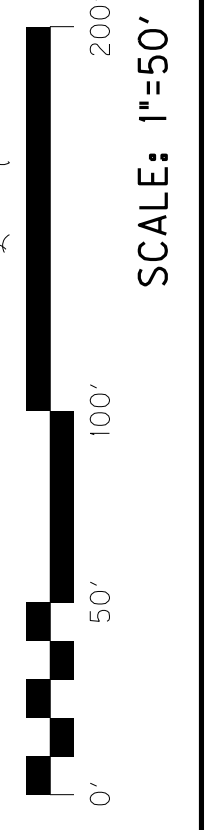
PHASE 2 - CONSTRUCTION SEQUENCE

1. RELOCATE 100 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM LT. STA. 134+00 TO STA. 135+00.
2. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 128+00 TO STA. 135+00.



PHASE 2

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 120+00 TO STA. 135+00



COUNTY OF	HENRY	ITEM NO.	5-80260.00	SHEET NO.	R051
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REVISED 11-22-22

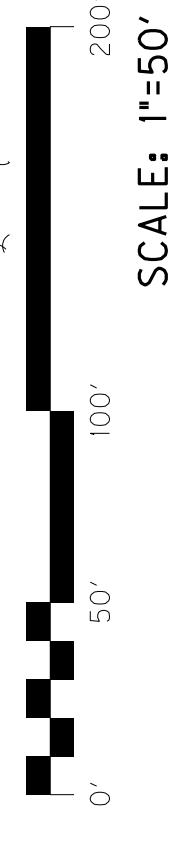
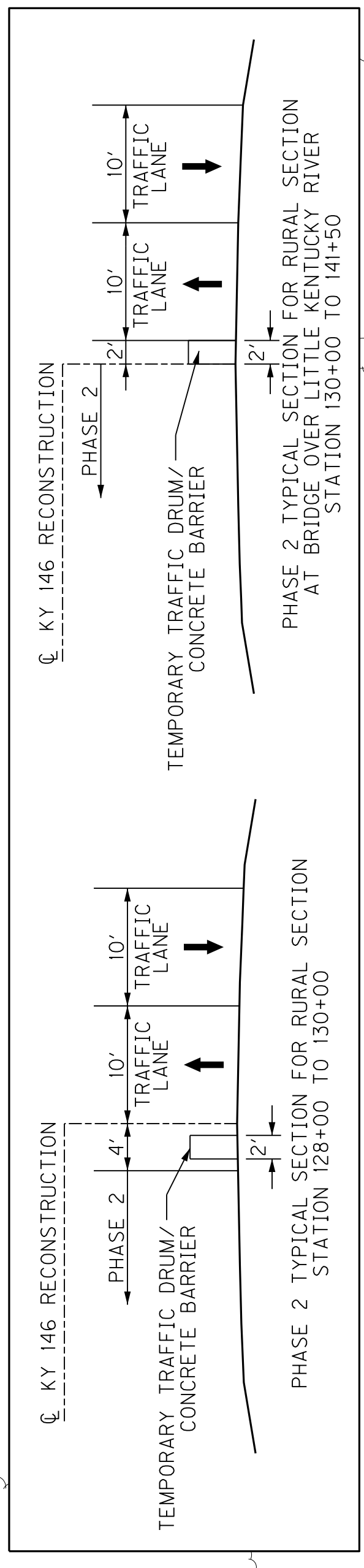
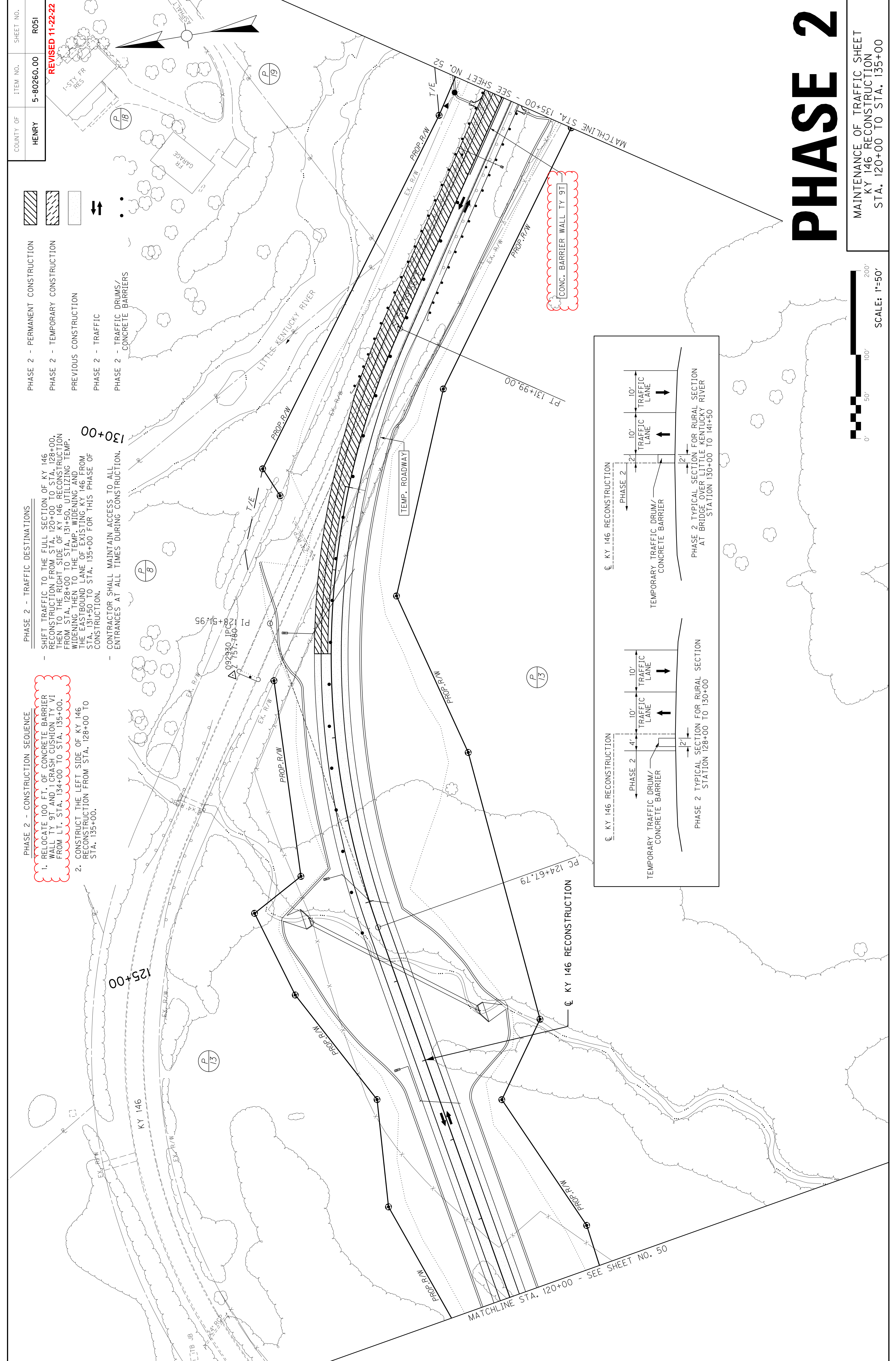
- PHASE 2 - PERMANENT CONSTRUCTION
- PHASE 2 - TEMPORARY CONSTRUCTION
- PREVIOUS CONSTRUCTION
- PHASE 2 - TRAFFIC
- PHASE 2 - TRAFFIC DRUMS/
CONCRETE BARRIERS

PHASE 2 - TRAFFIC DESTINATIONS

- SHIFT TRAFFIC TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 120+00 TO STA. 128+00, THEN TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 128+00 TO STA. 131+50, UTILIZING TEMP. WIDENING THEN TO THE TEMP. WIDENING AND THE EASTBOUND LANE OF EXISTING KY 146 FROM STA. 131+50 TO STA. 135+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 2 - CONSTRUCTION SEQUENCE

1. RELOCATE 100 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM LT. STA. 134+00 TO STA. 135+00.
2. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 128+00 TO STA. 135+00.



SCALE: 1"=50'

PHASE 2

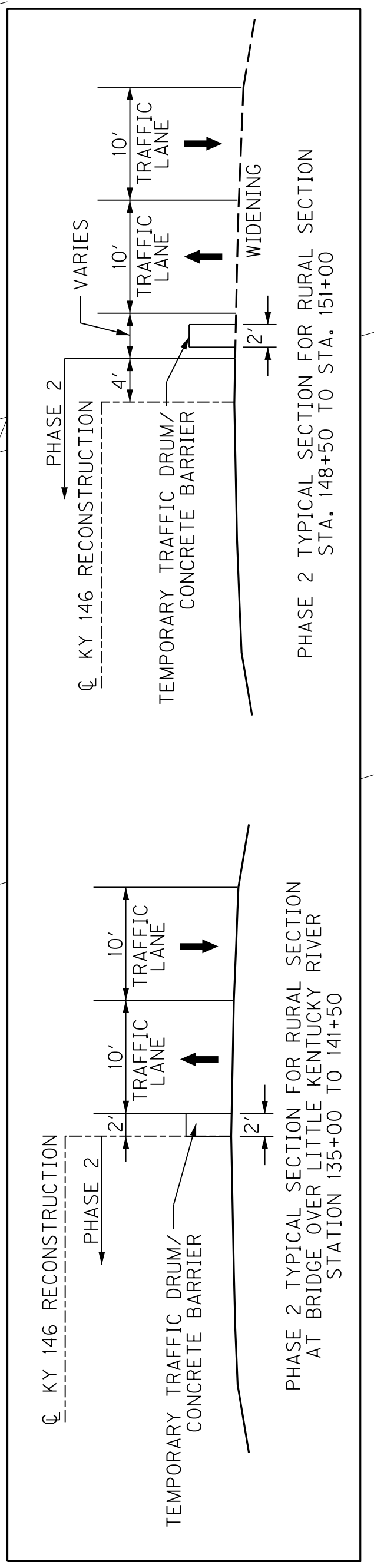
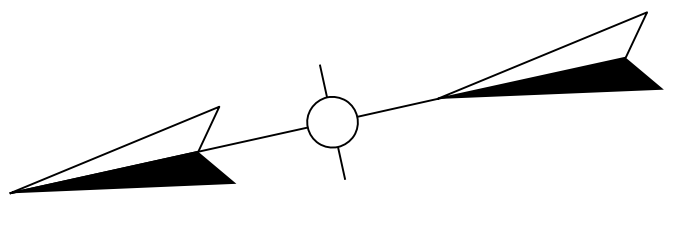
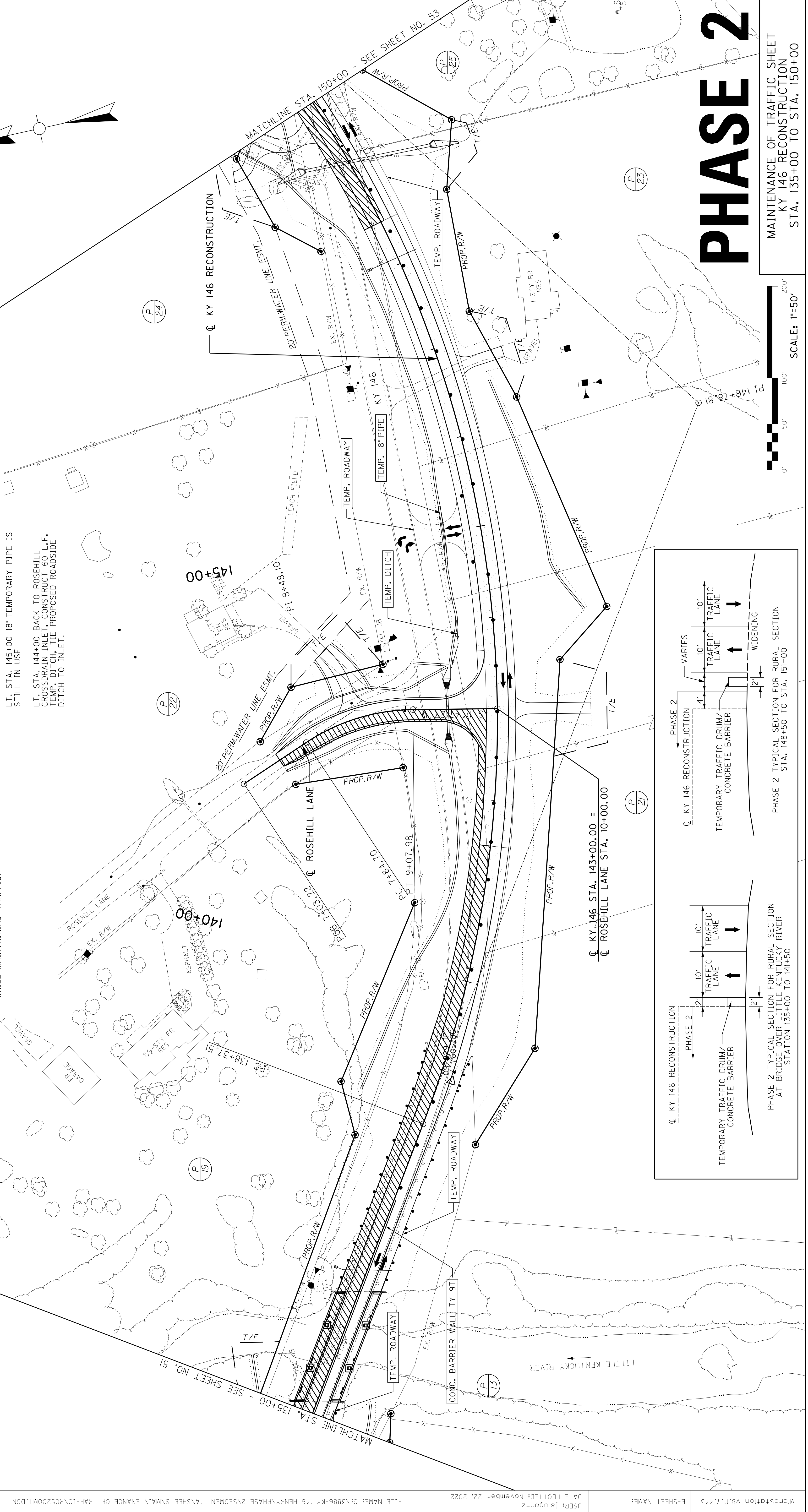
MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 120+00 TO STA. 135+00

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R052

- PHASE 2 - CONSTRUCTION SEQUENCE
1. RELOCATE 250 FT. OF CONCRETE BARRIER WALL T/I AND CRASH CUSHION FROM VI FROM LT. STA. 135+00 TO STA. 137+50.
 2. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50 AND FROM STA. 148+50 TO STA. 150+00. CONSTRUCT THE LEFT SHOULDER PORTION FROM STA. 141+50 TO ROSEHILL LANE.
 3. WIDEN THE LEFT SIDE OF THE EXISTING BRIDGE OVER THE LITTLE KENTUCKY RIVER.
 4. CONSTRUCT ROSEHILL CROSSDRAIN WHILE MAINTAINING TRAFFIC.
 5. CONSTRUCT THE RIGHT SIDE OF ROSEHILL LANE WHILE MAINTAINING TRAFFIC.

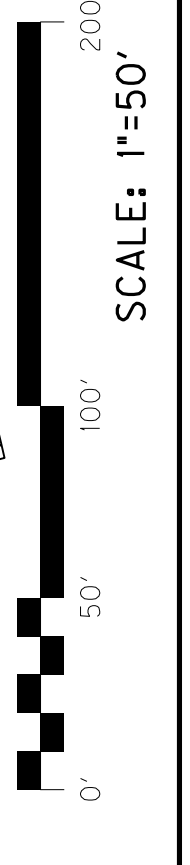
- PHASE 2 - TRAFFIC DESTINATIONS
- SHIFT TRAFFIC TO THE TEMP. WIDENING AND THE EASTBOUND LANE OF EXISTING KY 146 FROM STA. 135+00 TO STA. 141+50. THEN TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50. THEN TO THE TEMPORARY WIDENING FOR THIS PHASE OF CONSTRUCTION.
 - ROSEHILL LANE TRAFFIC SHALL USE THE TEMPORARY ROADWAY CONSTRUCTED AT LT. STA. 145+00.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- PHASE 2 - TEMPORARY DRAINAGE
- LT. STA. 145+00 18" TEMPORARY PIPE IS STILL IN USE
 - LT. STA. 144+00 BACK TO ROSEHILL CROSSDRAIN INLET. CONSTRUCT 60 L.F. TEMP. DITCH, TIE PROPOSED ROADSIDE DITCH TO INLET.



PHASE 2

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 135+00 TO STA. 150+00



COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R052

REVISED 11-22-22

- PHASE 2 - PERMANENT CONSTRUCTION
- PHASE 2 - TEMPORARY CONSTRUCTION
- PREVIOUS CONSTRUCTION
- PHASE 2 - TRAFFIC
- PHASE 2 - TRAFFIC DRUMS/
CONCRETE BARRIERS

PHASE 2 - TRAFFIC DESTINATIONS

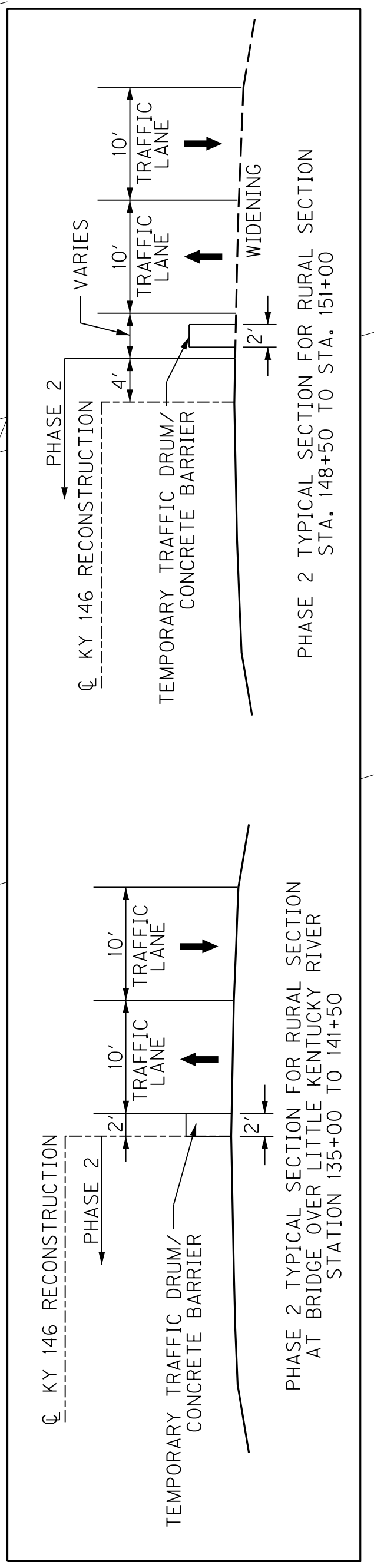
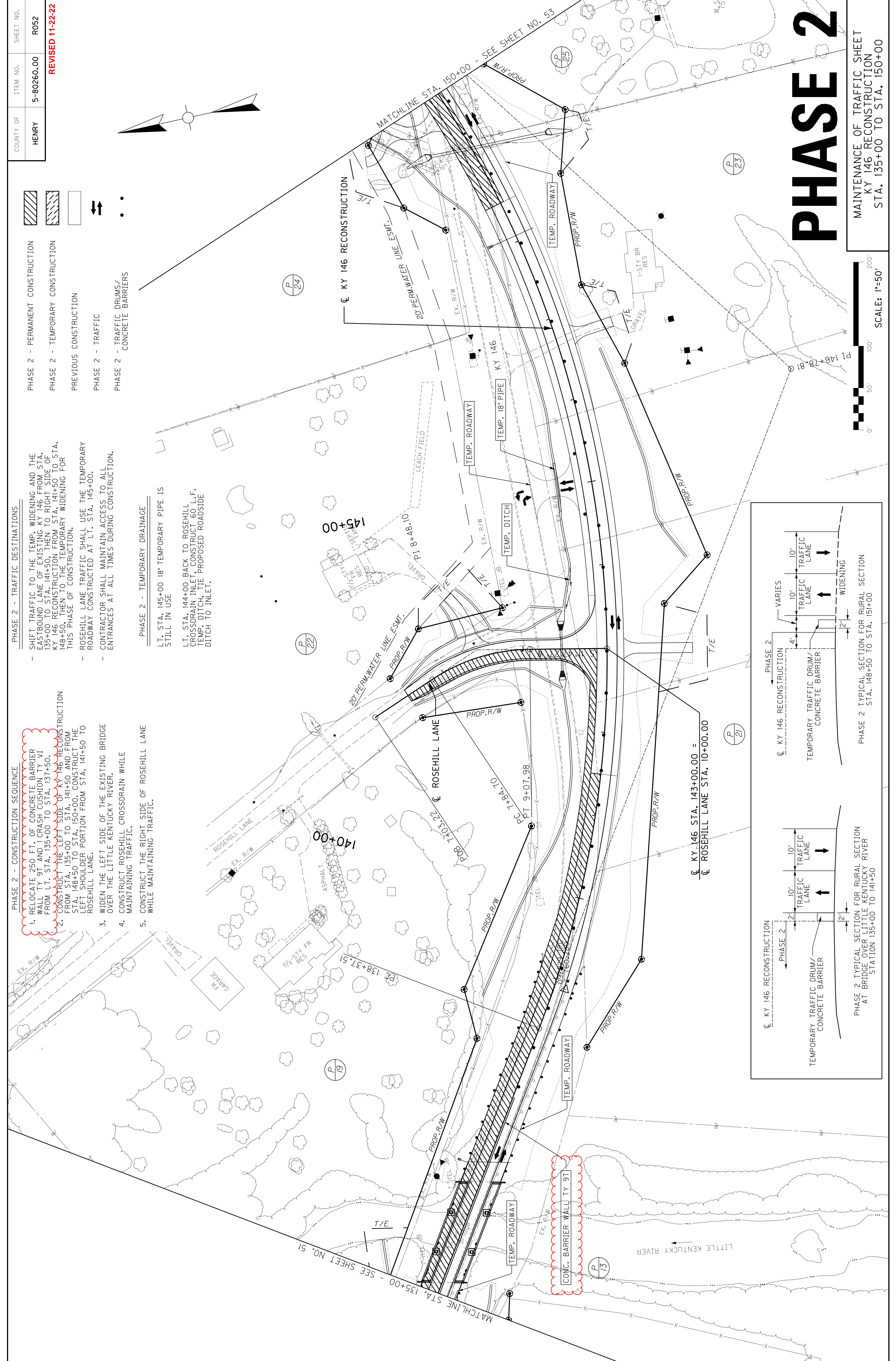
- SHIFT TRAFFIC TO THE TEMP. WIDENING AND THE EASTBOUND LANE OF EXISTING KY 146 FROM STA. 135+00 TO STA. 141+50. THEN TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50. THEN TO THE TEMPORARY WIDENING FOR THIS PHASE OF CONSTRUCTION.
- ROSEHILL LANE TRAFFIC SHALL USE THE TEMPORARY ROADWAY CONSTRUCTED AT LT. STA. 145+00.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 2 - TEMPORARY DRAINAGE

- LT. STA. 145+00 18" TEMPORARY PIPE IS STILL IN USE
- LT. STA. 144+00 BACK TO ROSEHILL CROSSLRAIN INLET, CONSTRUCT 60 L.F. TEMP. DITCH, TIE PROPOSED ROADSIDE DITCH TO INLET.

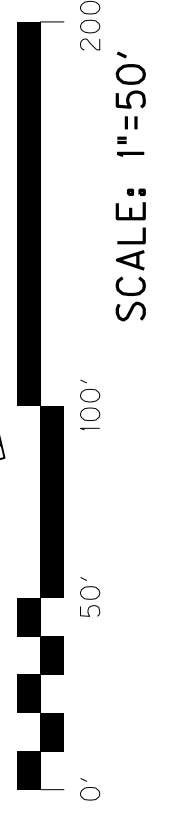
PHASE 2 - CONSTRUCTION SEQUENCE

1. RELOCATE 250 FT. OF CONCRETE BARRIER FROM LT. STA. 135+00 TO STA. 137+50.
2. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50 AND FROM STA. 148+50 TO STA. 150+00. CONSTRUCT THE LEFT SHOULDER PORTION FROM STA. 141+50 TO ROSEHILL LANE.
3. WIDEN THE LEFT SIDE OF THE EXISTING BRIDGE OVER THE LITTLE KENTUCKY RIVER.
4. CONSTRUCT ROSEHILL CROSSLRAIN WHILE MAINTAINING TRAFFIC.
5. CONSTRUCT THE RIGHT SIDE OF ROSEHILL LANE WHILE MAINTAINING TRAFFIC.



PHASE 2

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 135+00 TO STA. 150+00



SCALE: 1"=50'

COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R055

- PHASE 2 - PERMANENT CONSTRUCTION
- PHASE 2 - TEMPORARY CONSTRUCTION
- PREVIOUS CONSTRUCTION
- PHASE 2 - TRAFFIC
- PHASE 2 - TRAFFIC DRUMS/
CONCRETE BARRIERS

PHASE 2 - TRAFFIC DESTINATIONS

TRAFFIC SHALL REMAIN ON EXISTING KY 146, THEN USE THE PREVIOUSLY CONSTRUCTED WIDENING TO SHIFT TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 221+00 TO STA. 225+00 FOR THIS PHASE OF CONSTRUCTION.

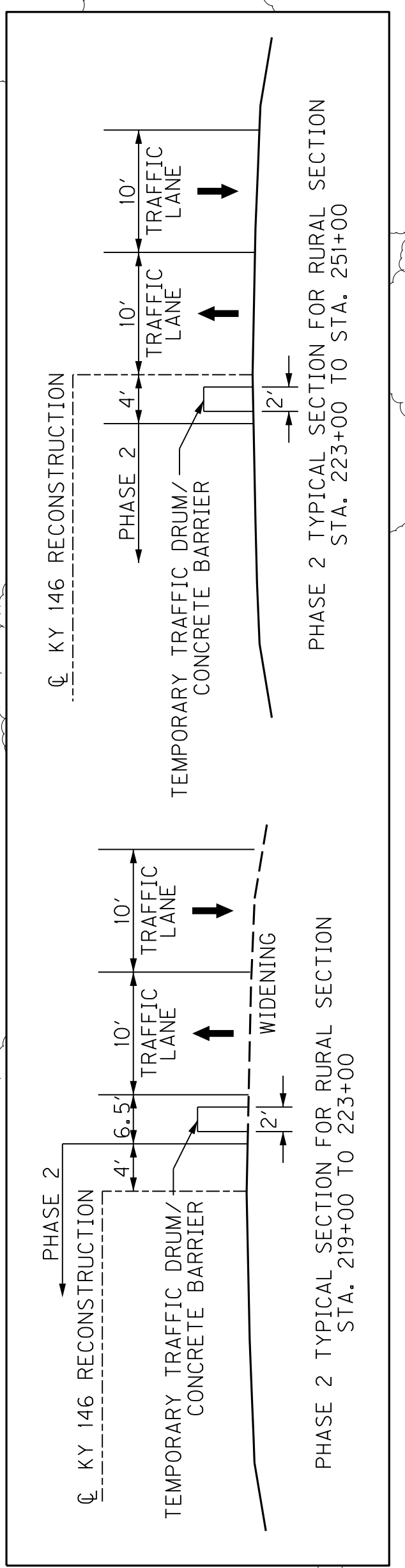
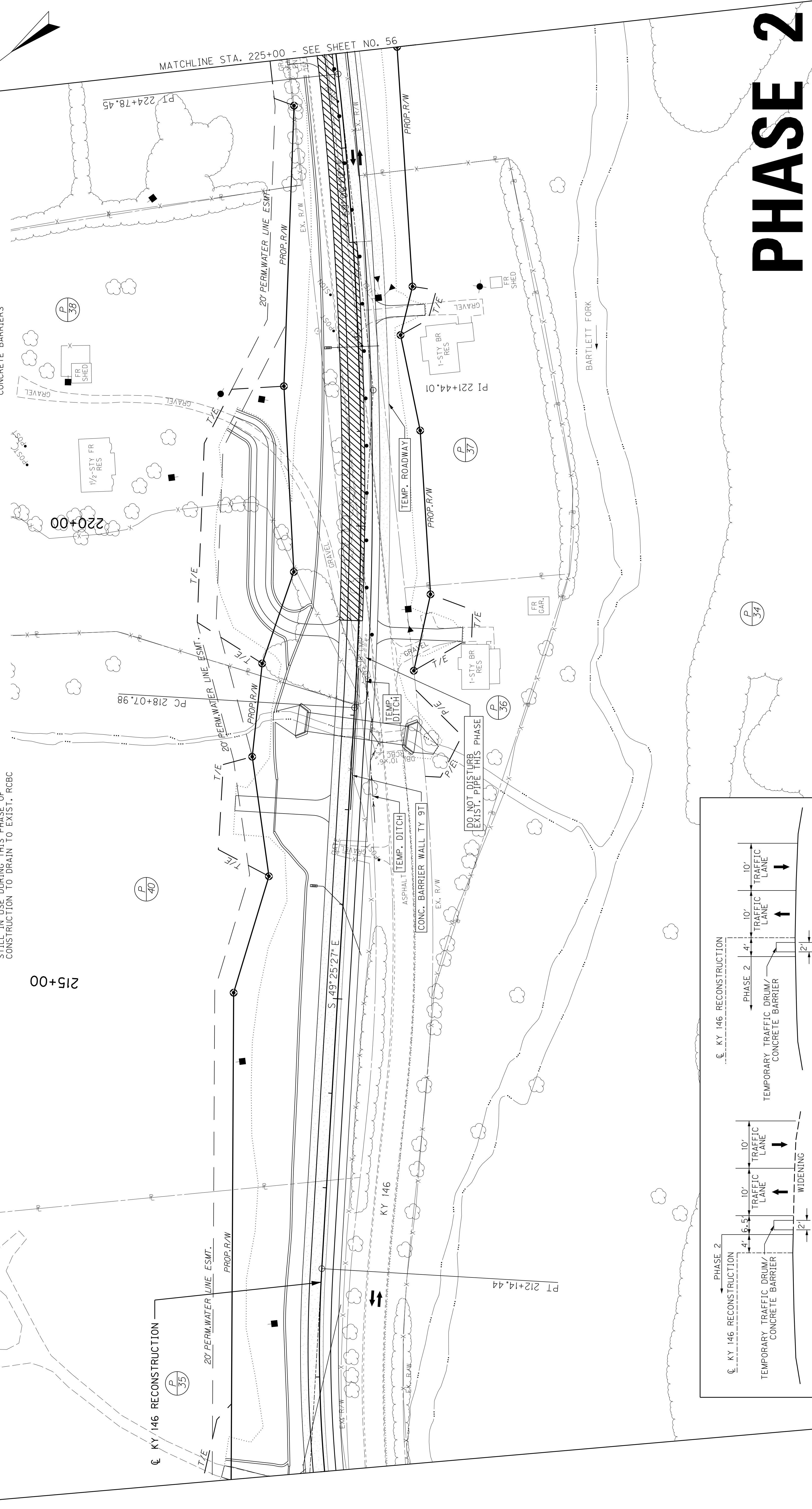
CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 2 - CONSTRUCTION SEQUENCE

- CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 219+00 TO STA. 225+00.

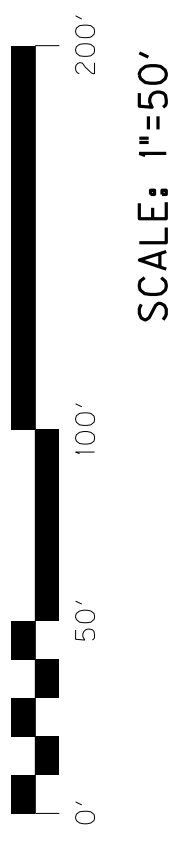
PHASE 2 - TEMPORARY DRAINAGE

THE TEMPORARY DITCHES AT THE TEMPORARY CROSSDRAIN OUTLET STA. 217+86, 10' RT ARE STILL IN USE DURING THIS PHASE OF CONSTRUCTION TO DRAIN TO EXIST. RCBC



PHASE 2

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 210+00 TO STA. 225+00



COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R055

REVISED 11-22-22

- PHASE 2 - TRAFFIC DESTINATIONS
- PHASE 2 - PERMANENT CONSTRUCTION
- PHASE 2 - TEMPORARY CONSTRUCTION
- PREVIOUS CONSTRUCTION
- PHASE 2 - TRAFFIC
- PHASE 2 - TRAFFIC DRUMS/
CONCRETE BARRIERS

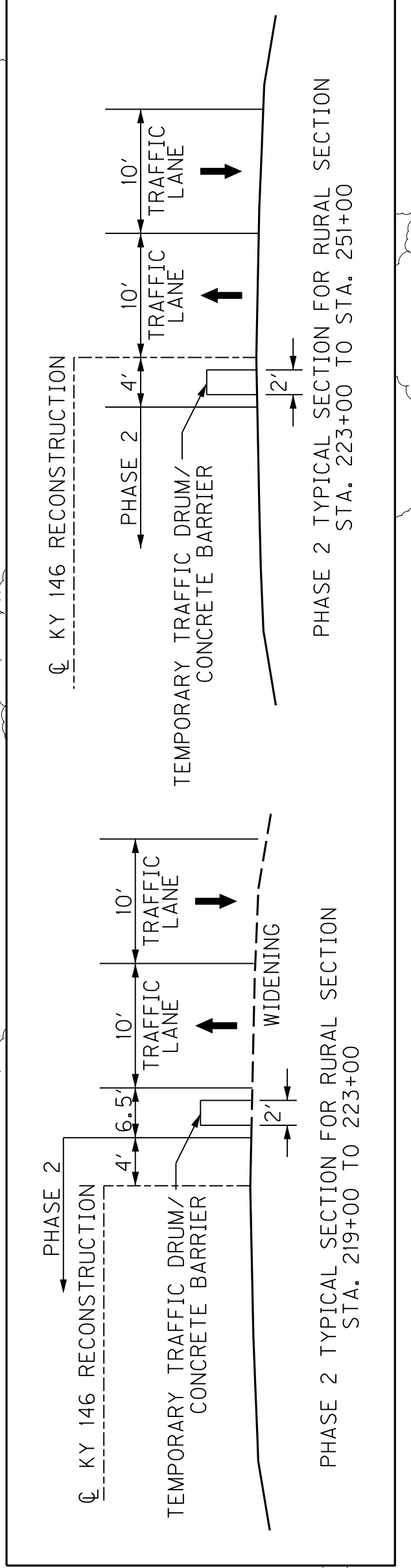
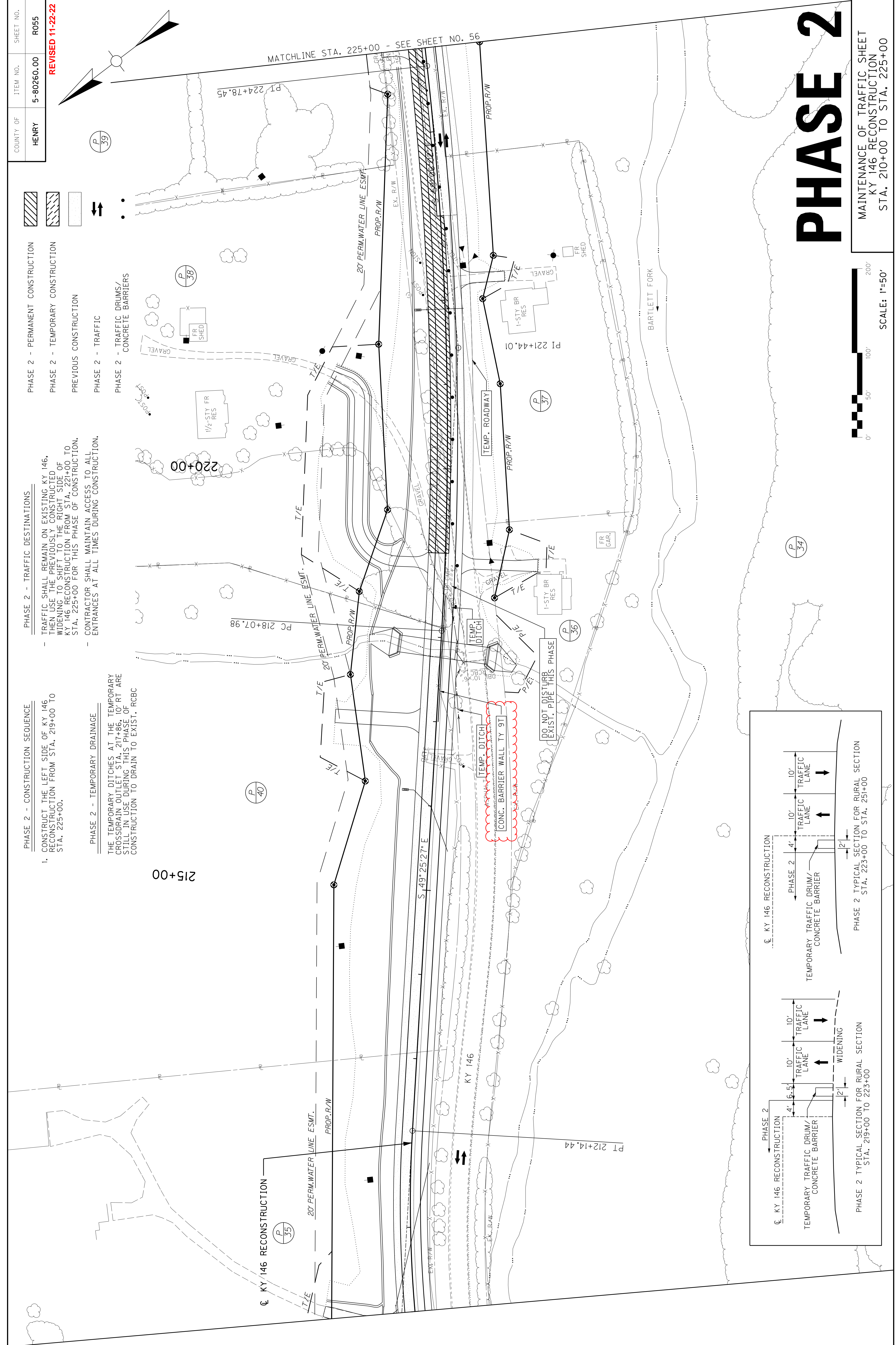
TRAFFIC SHALL REMAIN ON EXISTING KY 146, THEN USE THE PREVIOUSLY CONSTRUCTED WIDENING TO SHIFT TO THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 221+00 TO STA. 225+00 FOR THIS PHASE OF CONSTRUCTION. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

PHASE 2 - CONSTRUCTION SEQUENCE

- CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 219+00 TO STA. 225+00.

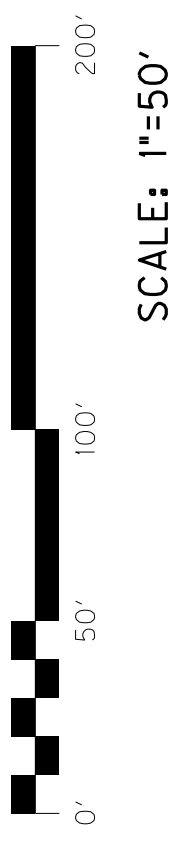
PHASE 2 - TEMPORARY DRAINAGE

THE TEMPORARY DITCHES AT THE TEMPORARY CROSSDRAIN OUTLET STA. 217+86, 10' RT ARE STILL IN USE DURING THIS PHASE OF CONSTRUCTION TO DRAIN TO EXIST. RCBC



PHASE 2

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 210+00 TO STA. 225+00

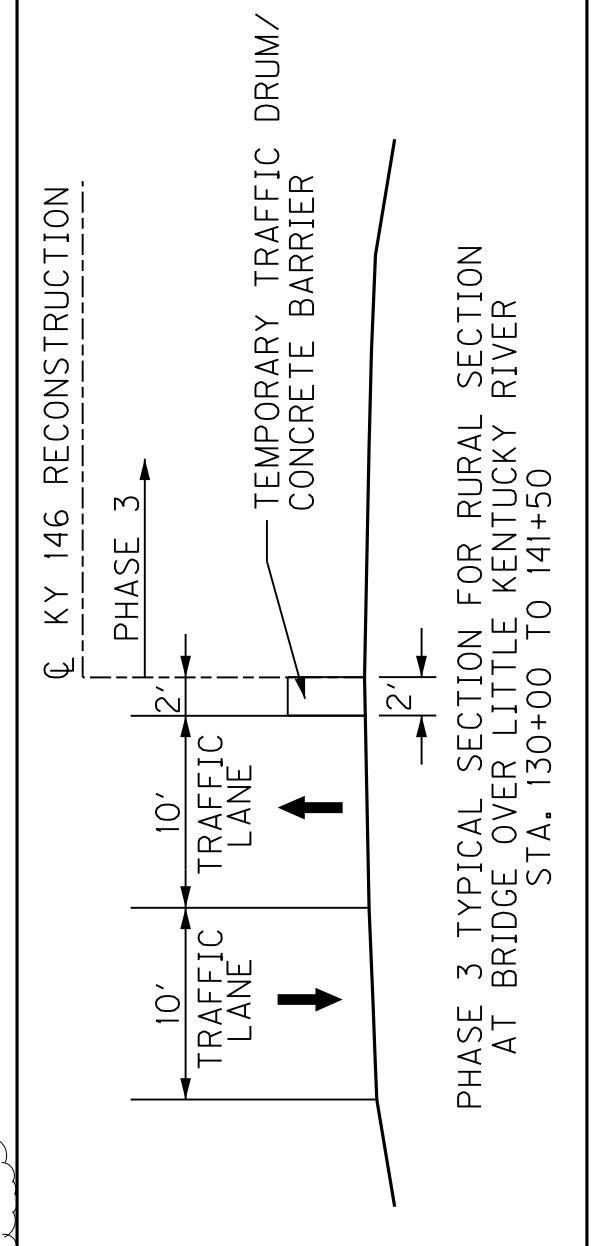
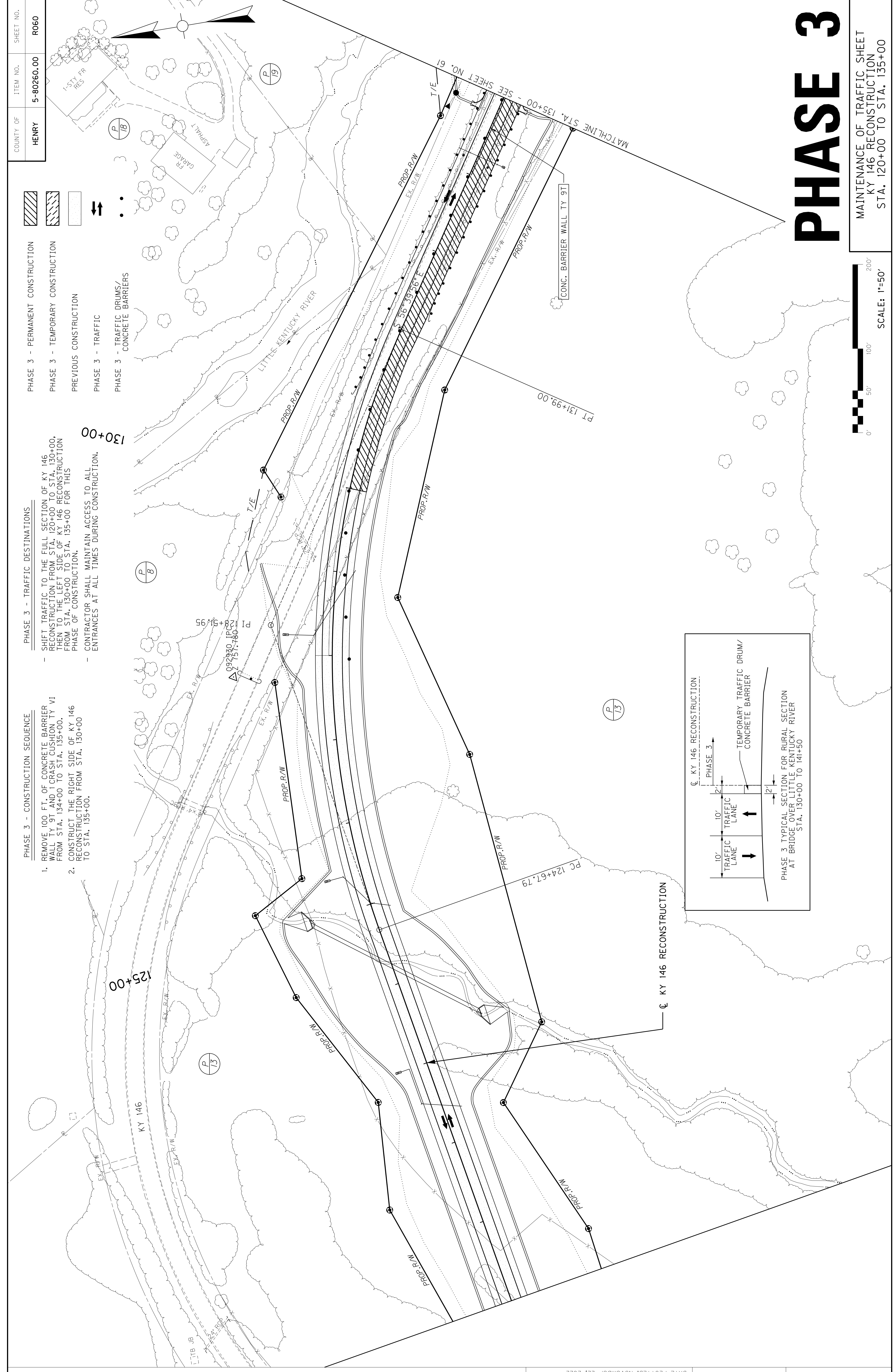


COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R060

- PHASE 3 - PERMANENT CONSTRUCTION
- PHASE 3 - TEMPORARY CONSTRUCTION
- PREVIOUS CONSTRUCTION
- PHASE 3 - TRAFFIC
- PHASE 3 - TRAFFIC DRUMS/
CONCRETE BARRIERS

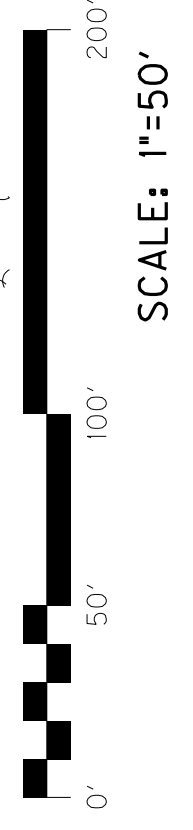
- PHASE 3 - TRAFFIC DESTINATIONS
- SHIFT TRAFFIC TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 120+00 TO STA. 130+00, THEN TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 130+00 TO STA. 135+00 FOR THIS PHASE OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- PHASE 3 - CONSTRUCTION SEQUENCE
1. REMOVE 100 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM STA. 134+00 TO STA. 135+00.
 2. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 130+00 TO STA. 135+00.



PHASE 3

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 120+00 TO STA. 135+00

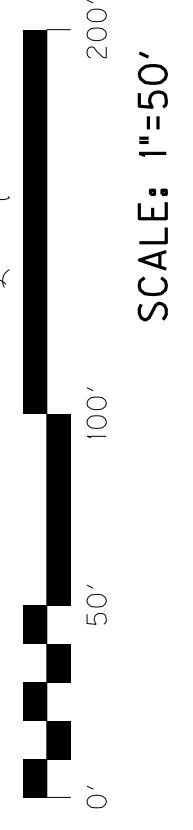
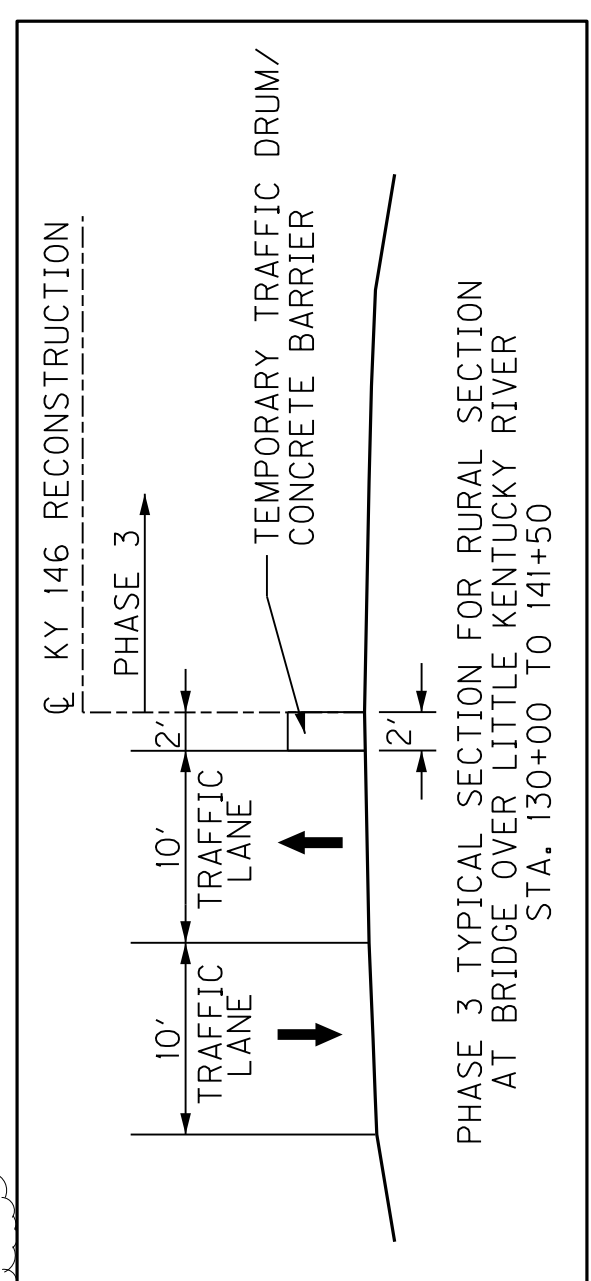
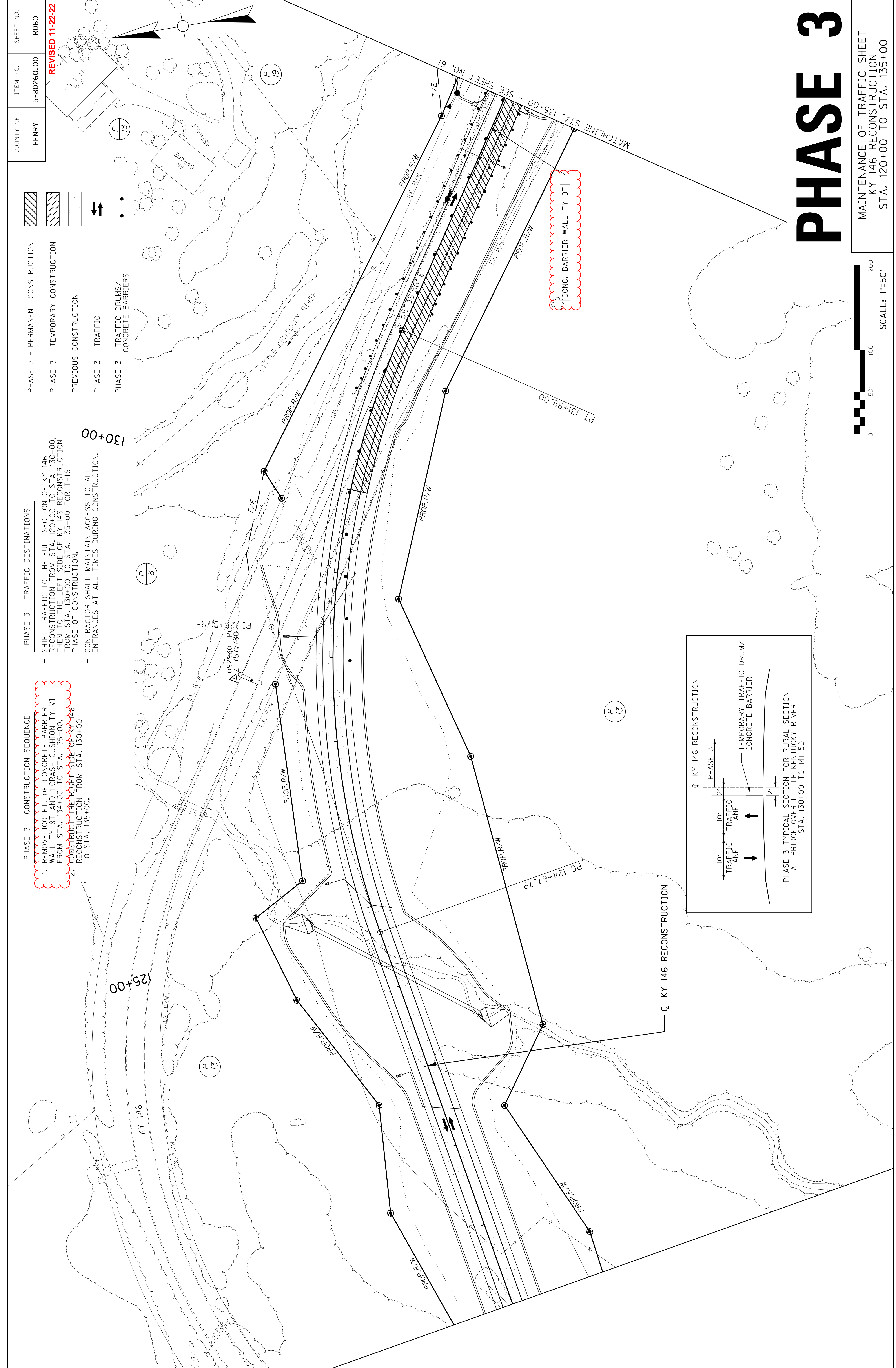


COUNTY OF	HENRY	ITEM NO.	5-80260.00	SHEET NO.	R060
			REVISED 11-22-22		

- PHASE 3 - PERMANENT CONSTRUCTION
- PHASE 3 - TEMPORARY CONSTRUCTION
- PREVIOUS CONSTRUCTION
- PHASE 3 - TRAFFIC
- PHASE 3 - TRAFFIC DRUMS/
CONCRETE BARRIERS

- PHASE 3 - TRAFFIC DESTINATIONS
- SHIFT TRAFFIC TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 120+00 TO STA. 130+00, THEN TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 130+00 TO STA. 135+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- PHASE 3 - CONSTRUCTION SEQUENCE
- 1. REMOVE 100 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM STA. 134+00 TO STA. 135+00.
- 2. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 130+00 TO STA. 135+00.



PHASE 3

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 120+00 TO STA. 135+00

COUNTY OF	HENRY	ITEM NO.	5-80260.00	SHEET NO.	R061
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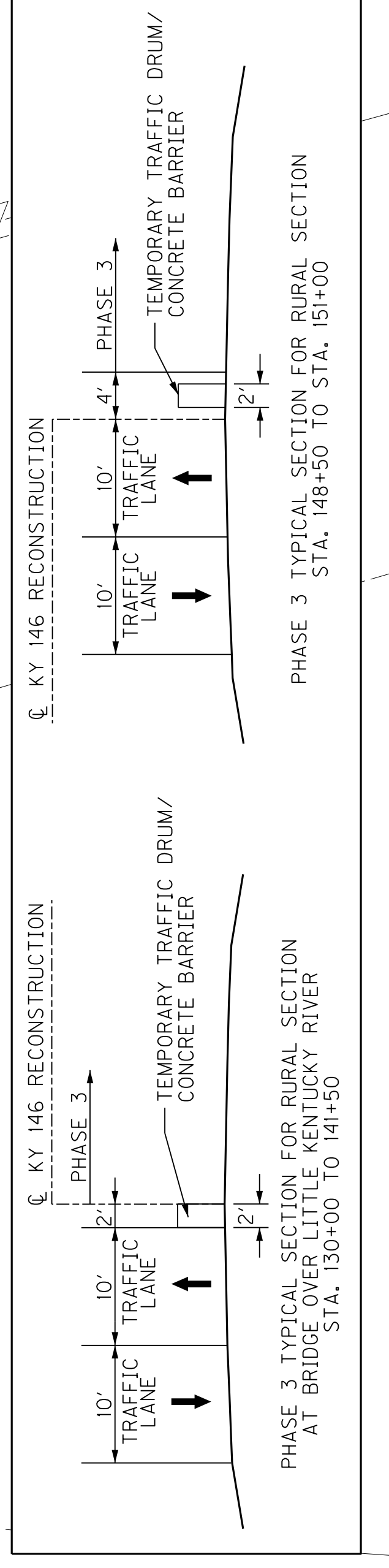
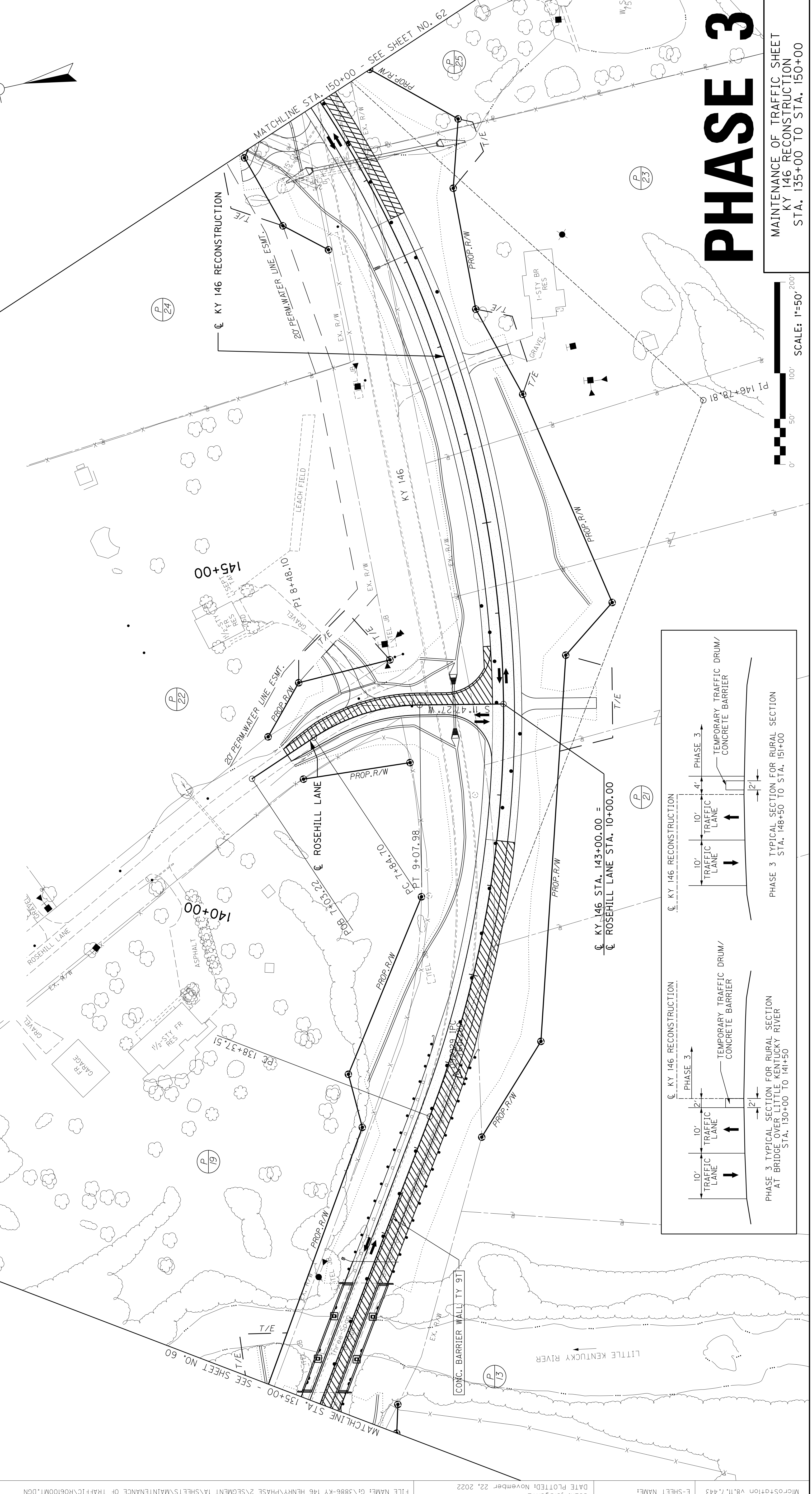
- PHASE 3 - CONSTRUCTION SEQUENCE
- 1. REMOVE 250 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM STA. 135+00 TO STA. 137+50.
- 2. CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50.
- 3. CONSTRUCT THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 150+00.
- 4. CONSTRUCT THE LEFT SIDE OF ROSEHILL LANE WHILE MAINTAINING TRAFFIC.
- 5. CONSTRUCT THE PROPOSED DITCH LEFT OF KY 146 RECONSTRUCTION FROM STA. 144+00 BACK TO THE ROSEHILL LANE CROSSDRAIN INLET.

- PHASE 3 - TRAFFIC DESTINATIONS
- SHIFT TRAFFIC TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50, THEN TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50, THEN BACK TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- PHASE 3 - TRAFFIC DESTINATIONS
- SHIFT TRAFFIC TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50, THEN TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50, THEN BACK TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

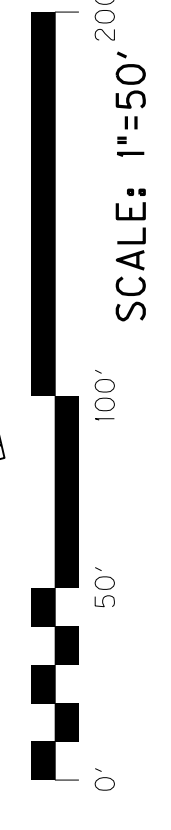
- PHASE 3 - TRAFFIC DESTINATIONS
- SHIFT TRAFFIC TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50, THEN TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50, THEN BACK TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- PHASE 3 - TRAFFIC DESTINATIONS
- SHIFT TRAFFIC TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50, THEN TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50, THEN BACK TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00 FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.





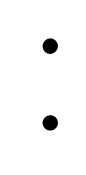


PHASE 3

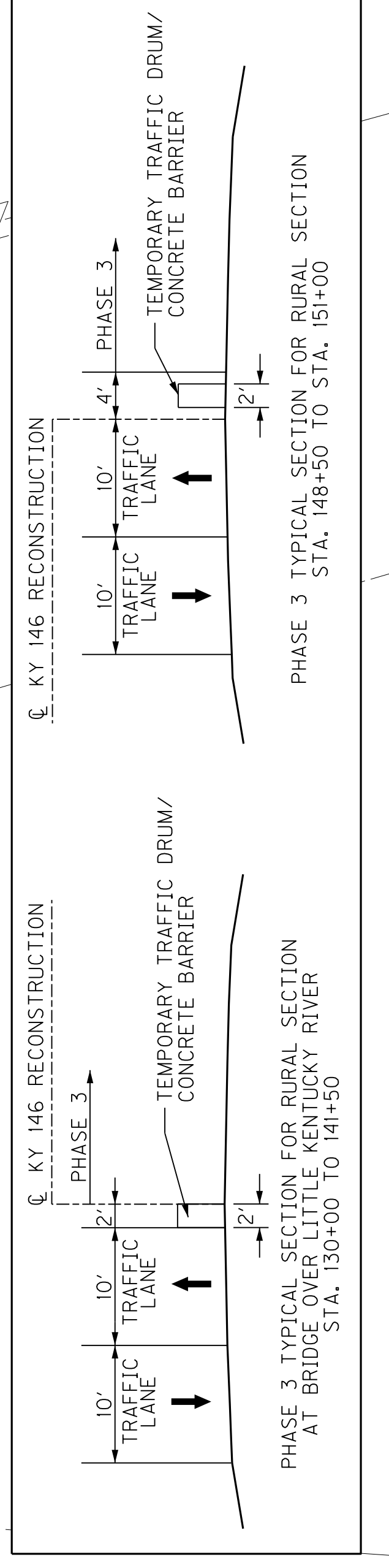
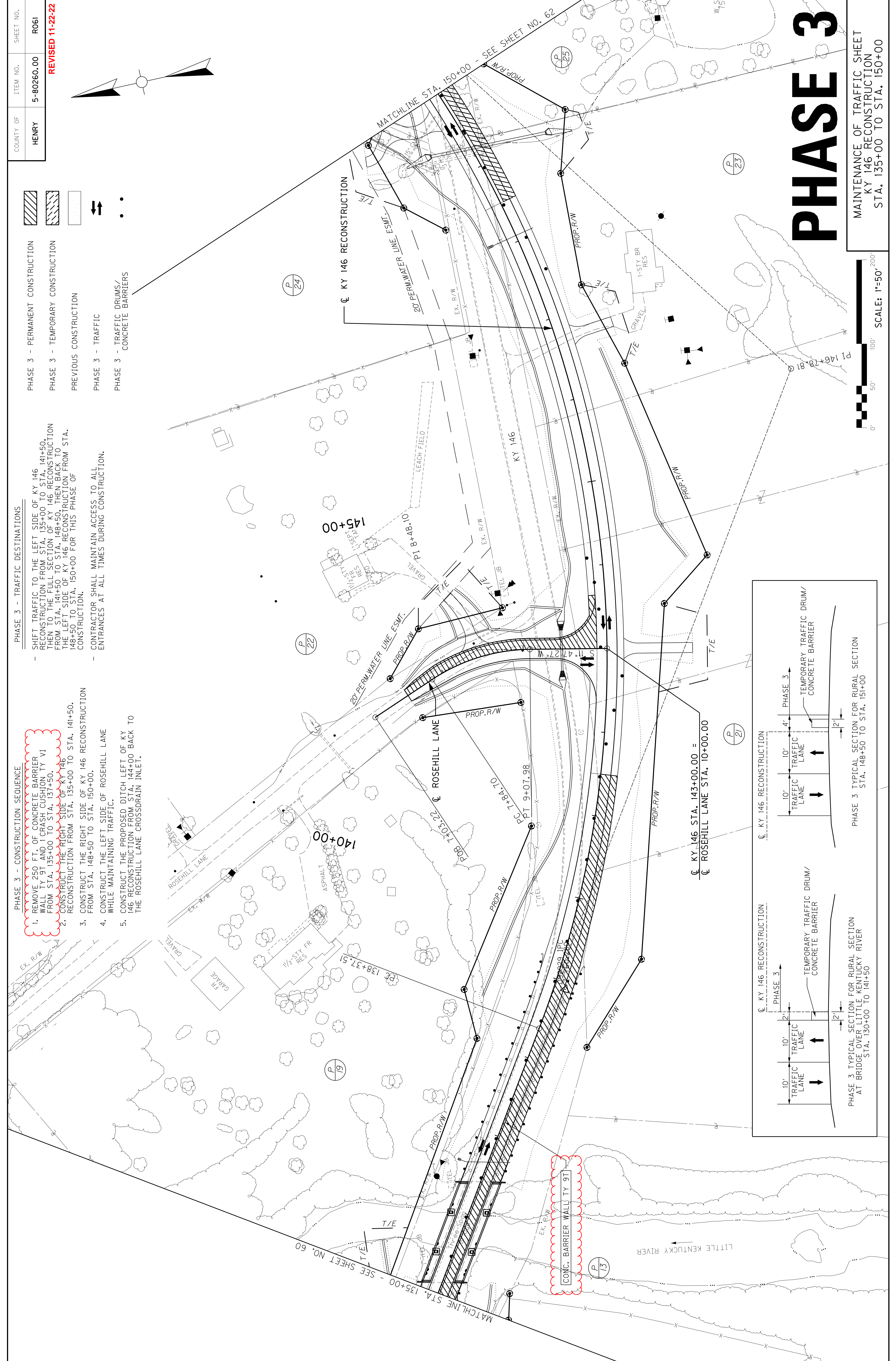
MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 135+00 TO STA. 150+00



COUNTY OF	HENRY	ITEM NO.	5-80260.00	SHEET NO.	R061
				REVISED 11-22-22	

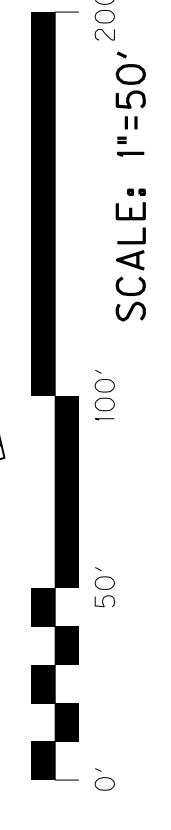
-  PHASE 3 - PERMANENT CONSTRUCTION
-  PHASE 3 - TEMPORARY CONSTRUCTION
-  PREVIOUS CONSTRUCTION
-  PHASE 3 - TRAFFIC
-  PHASE 3 - TRAFFIC DRUMS/
CONCRETE BARRIERS

- PHASE 3 - CONSTRUCTION SEQUENCE**
- REMOVE 250 FT. OF CONCRETE BARRIER WALL TY 9T AND 1 CRASH CUSHION TY VI FROM STA. 135+00 TO STA. 137+50.
 - CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50.
 - CONSTRUCT THE RIGHT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00.
 - CONSTRUCT THE LEFT SIDE OF ROSEHILL LANE WHILE MAINTAINING TRAFFIC.
 - CONSTRUCT THE PROPOSED DITCH LEFT OF KY 146 RECONSTRUCTION FROM STA. 144+00 BACK TO THE ROSEHILL LANE CROSSDRAIN INLET.
- PHASE 3 - TRAFFIC DESTINATIONS**
- SHIFT TRAFFIC TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 135+00 TO STA. 141+50, THEN TO THE FULL SECTION OF KY 146 RECONSTRUCTION FROM STA. 141+50 TO STA. 148+50, THEN BACK TO THE LEFT SIDE OF KY 146 RECONSTRUCTION FROM STA. 148+50 TO STA. 150+00 FOR THIS PHASE OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.



PHASE 3

MAINTENANCE OF TRAFFIC SHEET
 KY 146 RECONSTRUCTION
 STA. 135+00 TO STA. 150+00

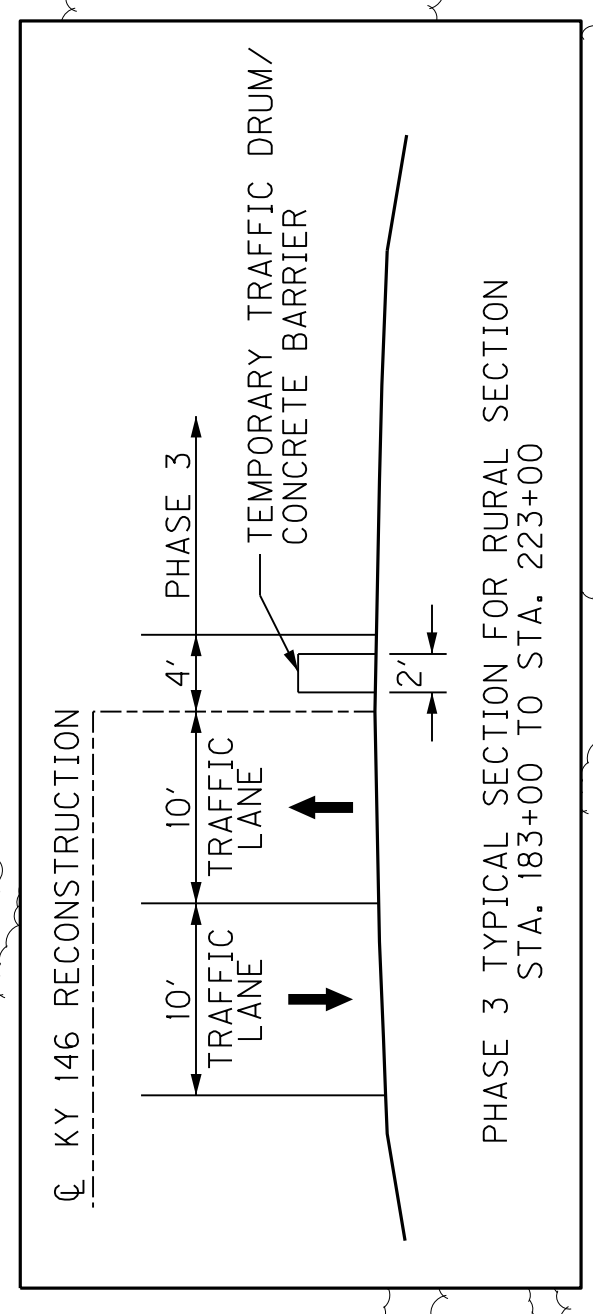
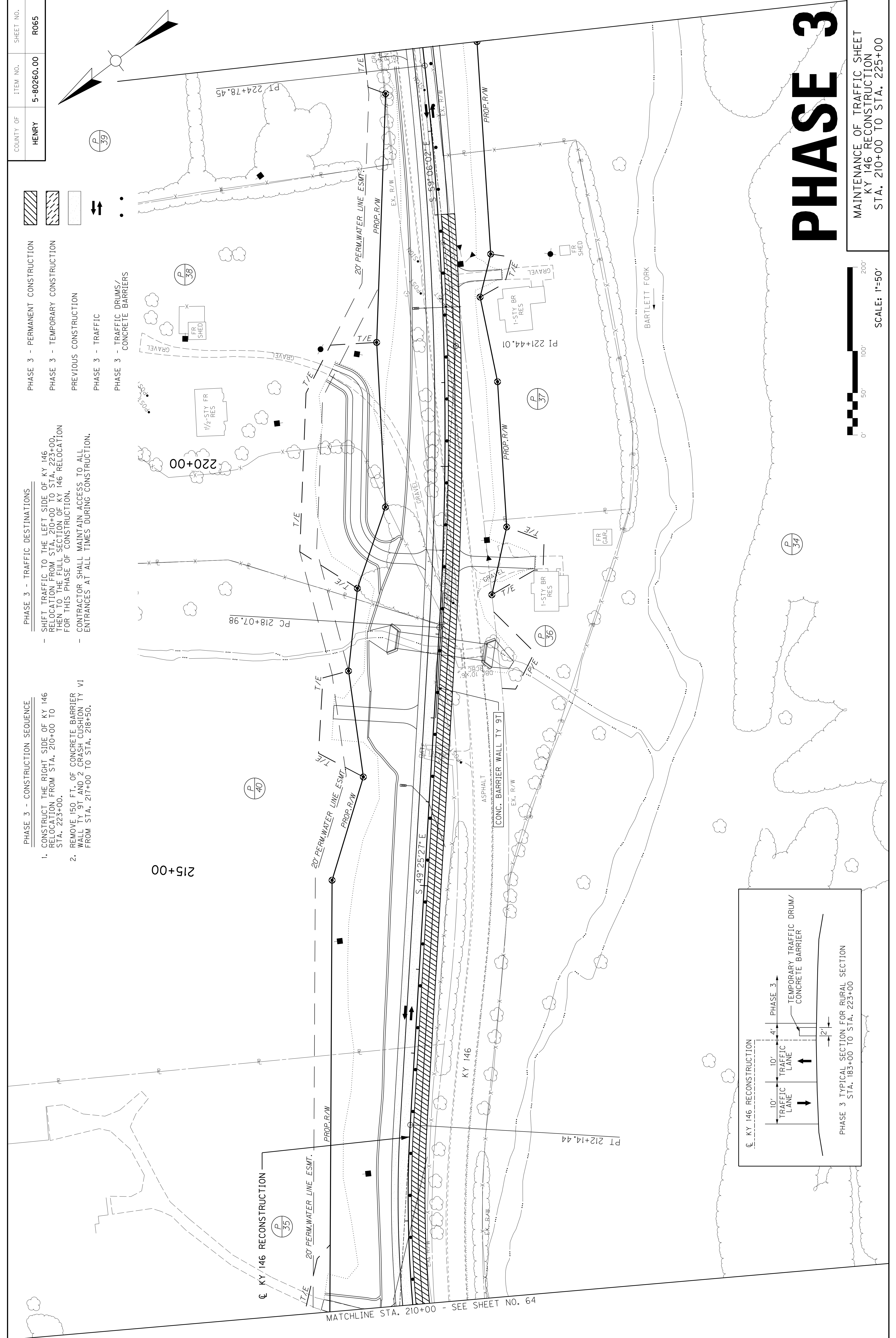


COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R065

- PHASE 3 - PERMANENT CONSTRUCTION
- PHASE 3 - TEMPORARY CONSTRUCTION
- PREVIOUS CONSTRUCTION
- PHASE 3 - TRAFFIC
- PHASE 3 - TRAFFIC DRUMS/
CONCRETE BARRIERS

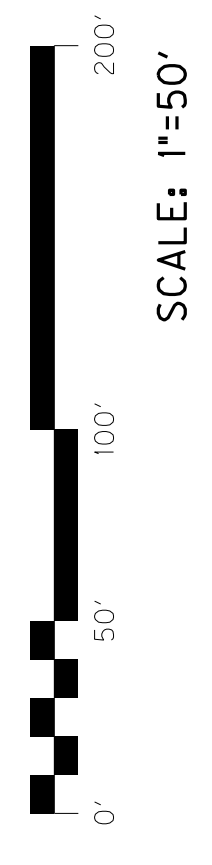
- PHASE 3 - TRAFFIC DESTINATIONS
- SHIFT TRAFFIC TO THE LEFT SIDE OF KY 146 RELOCATION FROM STA. 210+00 TO STA. 223+00, THEN TO THE FULL SECTION OF KY 146 RELOCATION FOR THIS PHASE OF CONSTRUCTION.
 - CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- PHASE 3 - CONSTRUCTION SEQUENCE
1. CONSTRUCT THE RIGHT SIDE OF KY 146 RELOCATION FROM STA. 210+00 TO STA. 223+00.
 2. REMOVE 150 FT. OF CONCRETE BARRIER WALL TY 9T AND 2 CRASH CUSHION TY VI FROM STA. 217+00 TO STA. 218+50.



PHASE 3

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 210+00 TO STA. 225+00



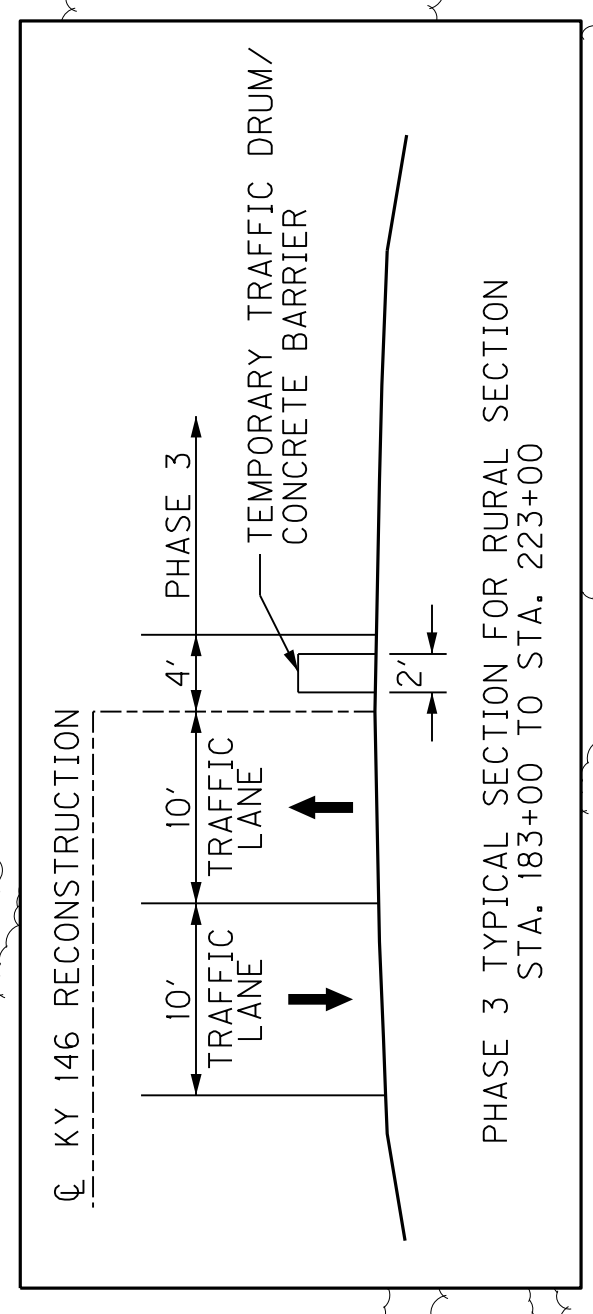
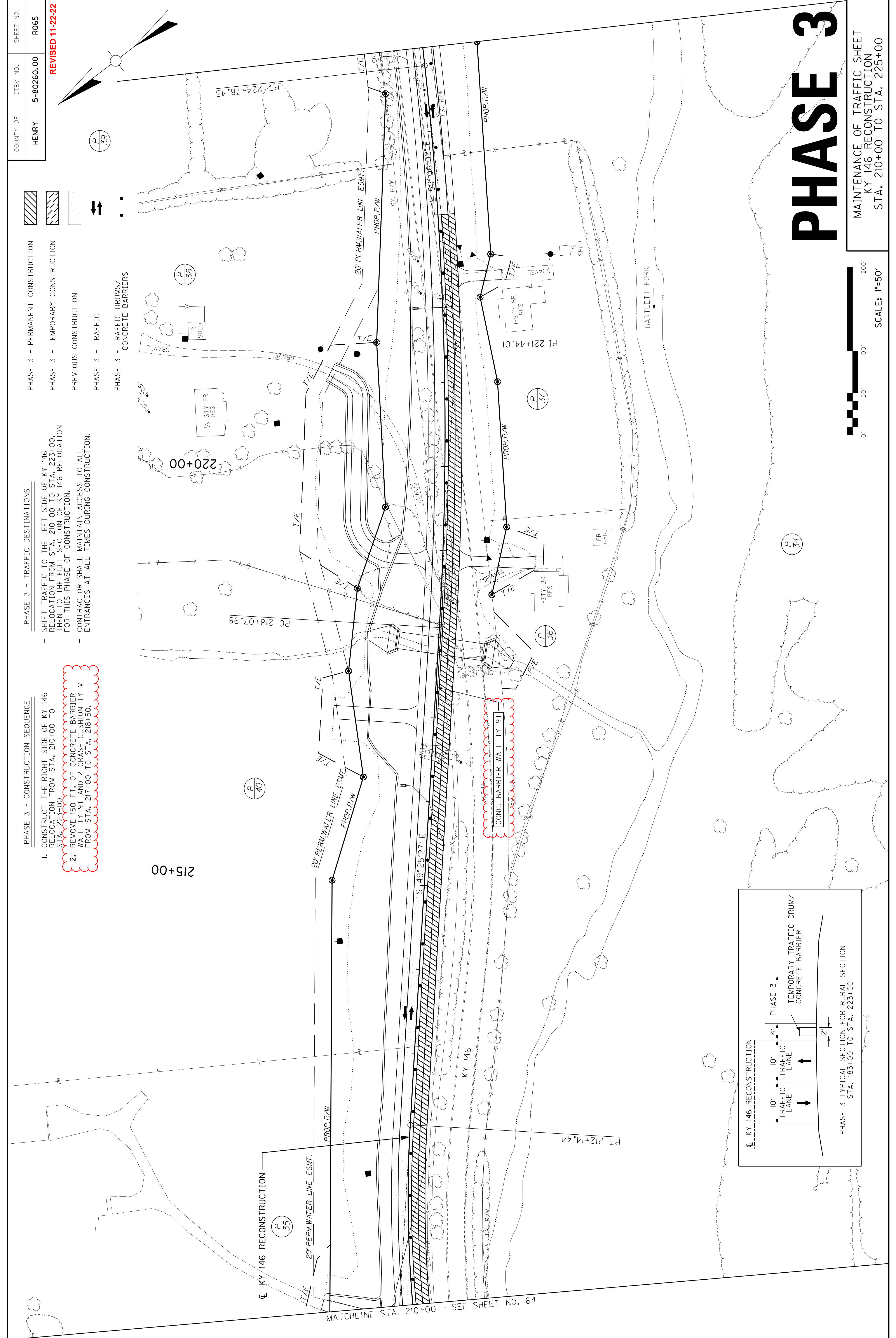
COUNTY OF	ITEM NO.	SHEET NO.
HENRY	5-80260.00	R065

REVISED 11-22-22

- PHASE 3 - TRAFFIC DESTINATIONS
- PHASE 3 - CONSTRUCTION SEQUENCE
- PHASE 3 - PERMANENT CONSTRUCTION
- PHASE 3 - TEMPORARY CONSTRUCTION
- PREVIOUS CONSTRUCTION
- PHASE 3 - TRAFFIC
- PHASE 3 - TRAFFIC DRUMS/
CONCRETE BARRIERS

- SHIFT TRAFFIC TO THE LEFT SIDE OF KY 146 RELOCATION FROM STA. 210+00 TO STA. 223+00, THEN TO THE FULL SECTION OF KY 146 RELOCATION FOR THIS PHASE OF CONSTRUCTION.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL ENTRANCES AT ALL TIMES DURING CONSTRUCTION.

- CONSTRUCT THE RIGHT SIDE OF KY 146 RELOCATION FROM STA. 210+00 TO STA. 223+00.
- REMOVE 150 FT. OF CONCRETE BARRIER WALL TY 9T AND 2 CRASH CUSHION TY VI FROM STA. 217+00 TO STA. 218+50.



PHASE 3

MAINTENANCE OF TRAFFIC SHEET
KY 146 RECONSTRUCTION
STA. 210+00 TO STA. 225+00

