

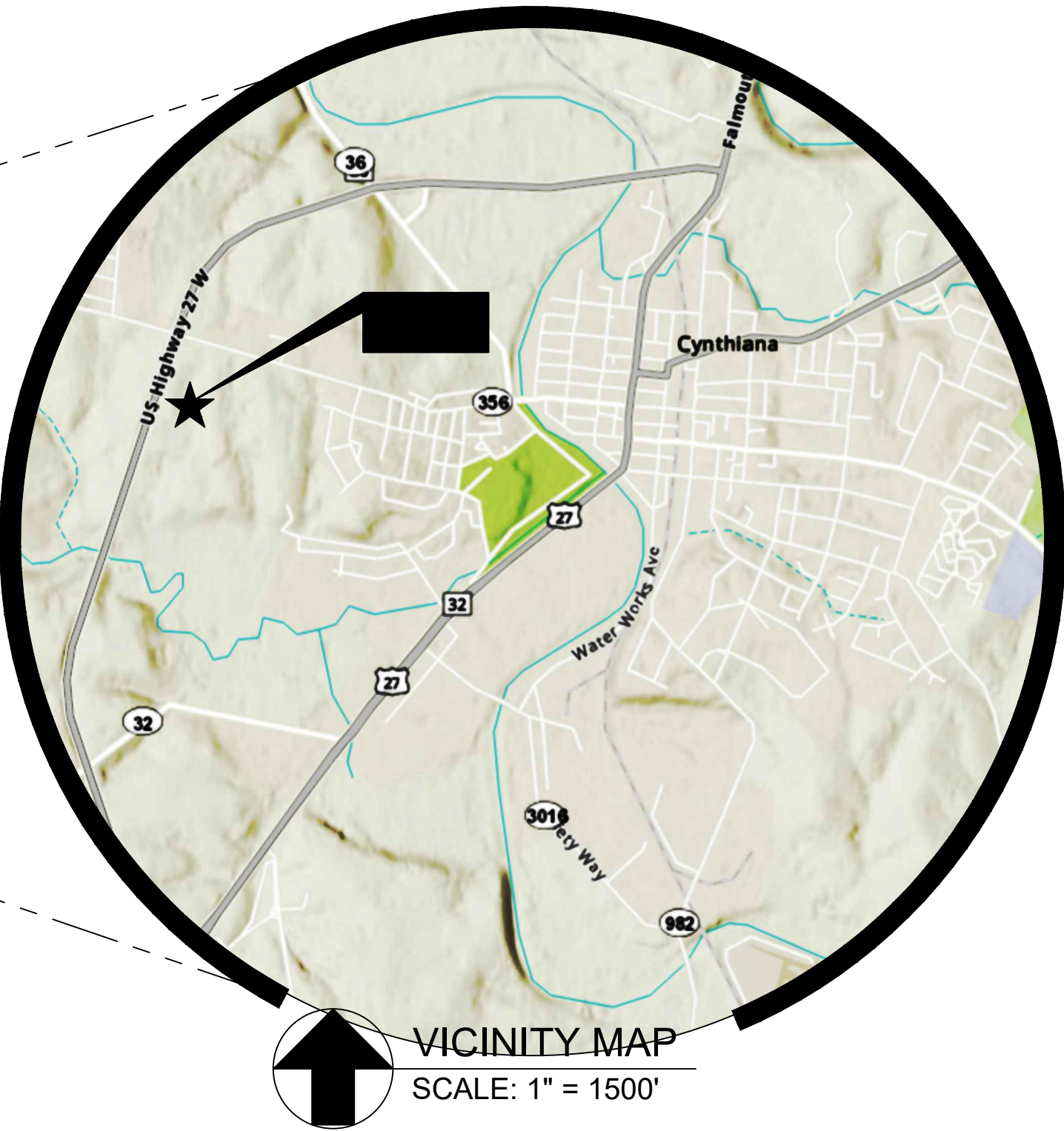
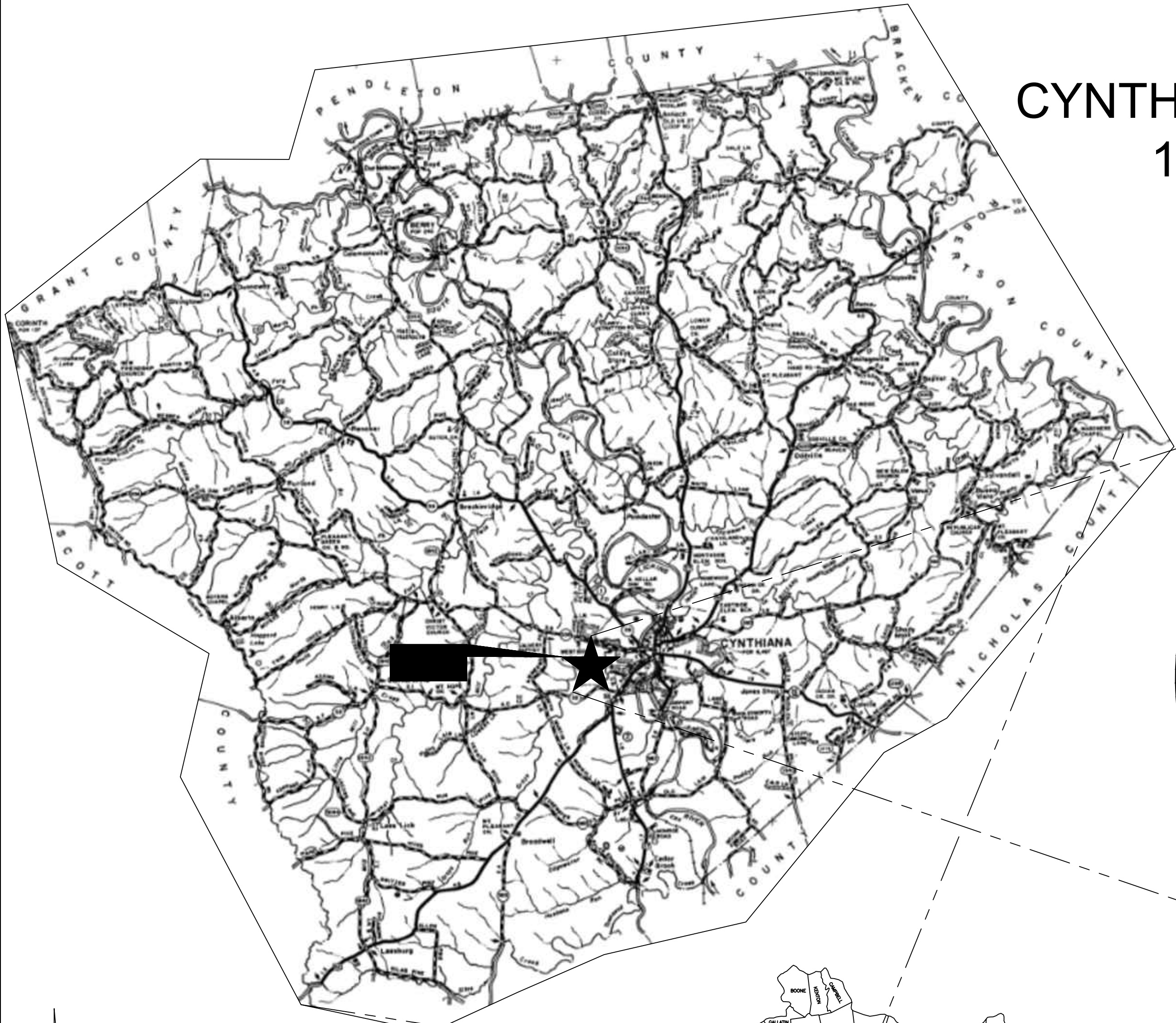
PHASE 1B
US 27 BYPASS INDUSTRIAL SITE LURN LANE PROJECT
EARTHWORK EXCAVATION
WEST END OF US 27
CYNTHIANA, KY

OWNER:
CYNTHIANA-HARRISON COUNTY EDA
104 E. PLEASANT STREET
GARNETT FURNISH,
EXECUTIVE DIRECTOR

INDEX OF DRAWINGS	
Sheet Number	Sheet Title
	COVER
GEN	GENERAL NOTES
TYP	TYPICAL SECTIONS
EC-1 - EC-6	GRADING EROSION CONTROL PLAN
EC-7	EROSION CONTROL DETAILS
C-0	EXISTING CONDITIONS
C-1 - C-13	TURN LANE PLAN
TCP	TRAFFIC CONTROL PLAN
D-1	DRAINAGE DETAILS
D-2	SIGNAGE DETAILS
D-3	SIGNAGE NOTES
D-4	GUARDRAIL DETAILS
D-5	STRIPING DETAILS
XS-1 - XS-22	CROSS SECTIONS
P-1 - P-2	ACCESS ROAD/CULVERT PROFILES

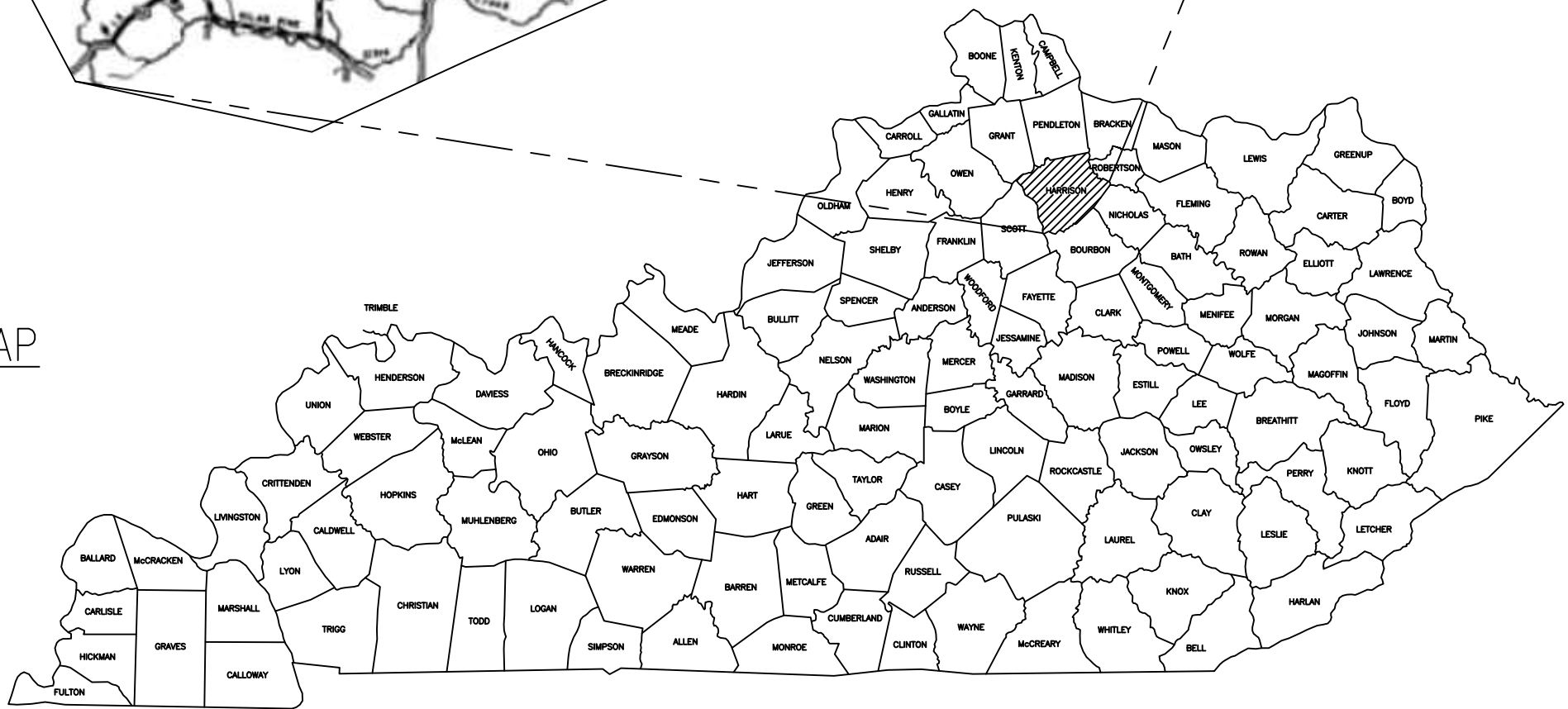
SPECIFICATIONS
All references to the Specifications are to the 2020 Edition of the Kentucky Department of Highways Standard Specifications for Road and Bridge Construction, including any current Supplemental Specifications.

All references to the AASHTO Specifications are to the 17th Edition of the AASHTO Specifications for Highway Bridges.



VICINITY MAP
SCALE: 1" = 1500'

LOCATION MAP

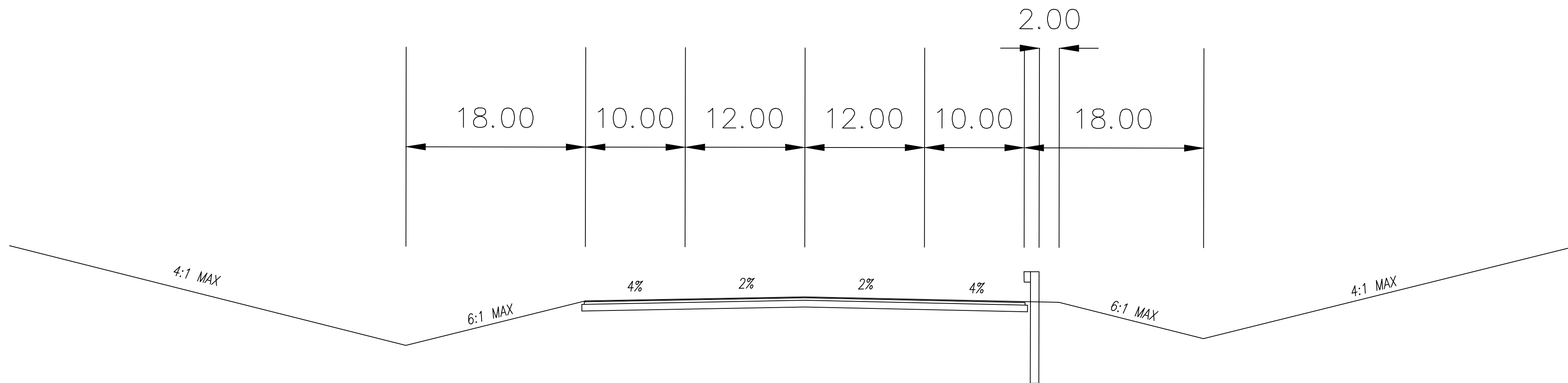


APRIL 2026
nse OF KENTUCKY, INC.
Engineers
Architects
Planners



COUNTY OF	ITEM NO.	SHEET NO.
Harrison	6-119.51	R2

TYPICAL SECTION
NTS



① ASPHALT SEAL (2) COATS FOR SHOULDERS FROM OUTSIDE EDGE OF PAVEMENT TO A POINT 2'-0" DOWN THE DITCH OR FILL SLOPE AT A RATE OF:
2.40 LBS/SQ. YD. EMULSIFIED ASPHALT RS-2
20 LBS/SQ. YD. ASPHALT SEAL AGGREGATE SIZE NO. 8 OR 9M

NEW CONSTRUCTION
GRADE, DRAIN & FLEXIBLE PAVEMENT

USING

DRIVING LANES

APPROXIMATELY 11" BASE [4" CRUSHED STONE BASE
4" CL2 ASPHALT BASE 1.00D PG64-22
3" CL2 ASPHALT BASE 1.00D PG64-22

APPROXIMATELY 1 1/4" SURFACE [1 1/4" CL2 ASPHALT SURFACE 0.38B PG64-22

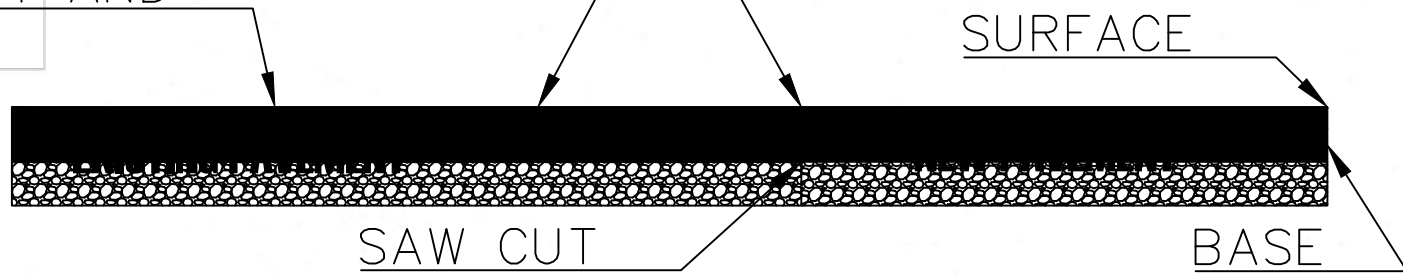
SHOULDERS

APPROXIMATELY 11" BASE [8" CRUSHED STONE BASE
3" CL2 ASPHALT BASE 1.00D PG64-22

APPROXIMATELY 1 1/4" SURFACE [1 1/4" CL2 ASPHALT SURFACE 0.38D PG64-22

MILL EXISTING PAVEMENT AND
OVERLAY

12" LONGITUDINAL EDGE KEY TO
BOTTOM OF FIRST BASE COURSE



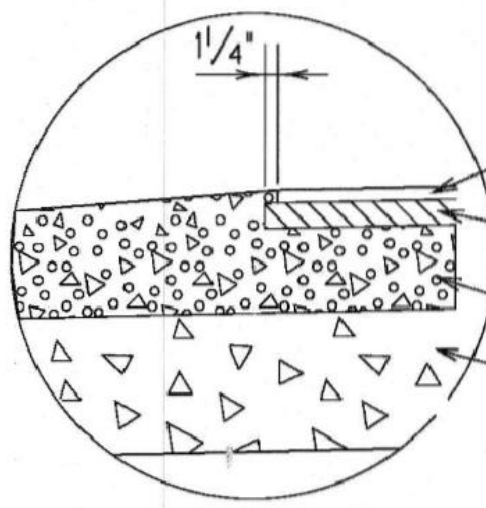
EDGE KEY DETAIL
N.T.S.

SCALE: 1"= 10'

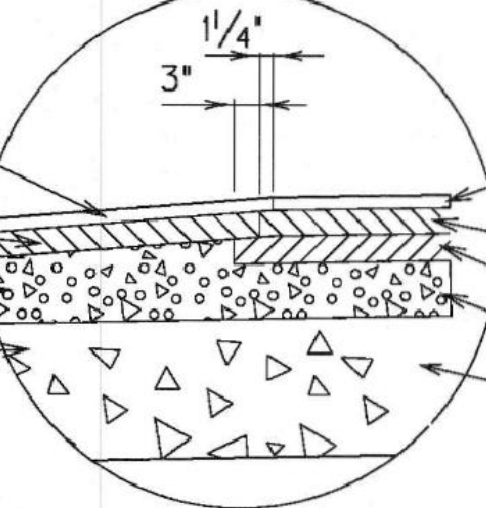
TYPICAL SECTIONS

SHOULDERS

DRIVING LANES



DETAIL B



DETAIL A

MicroStation v8.11.7.443 E-SHEET NAME: R00200



TYPICAL SECTION
U.S. 27 BYPASS TURN LANES
AT
HARRISON COUNTY - CYNTHIANA
EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	2088-34	DATE	BY	REVISION
DESIGNED BY	G.A.R.		JDW	
DRAWN BY	J.D.W.			
CHECKED BY	G.A.R.			
REVIEWED BY	G.A.R.			
DATE	APRIL 2026			
SCALE	AS SHOWN			

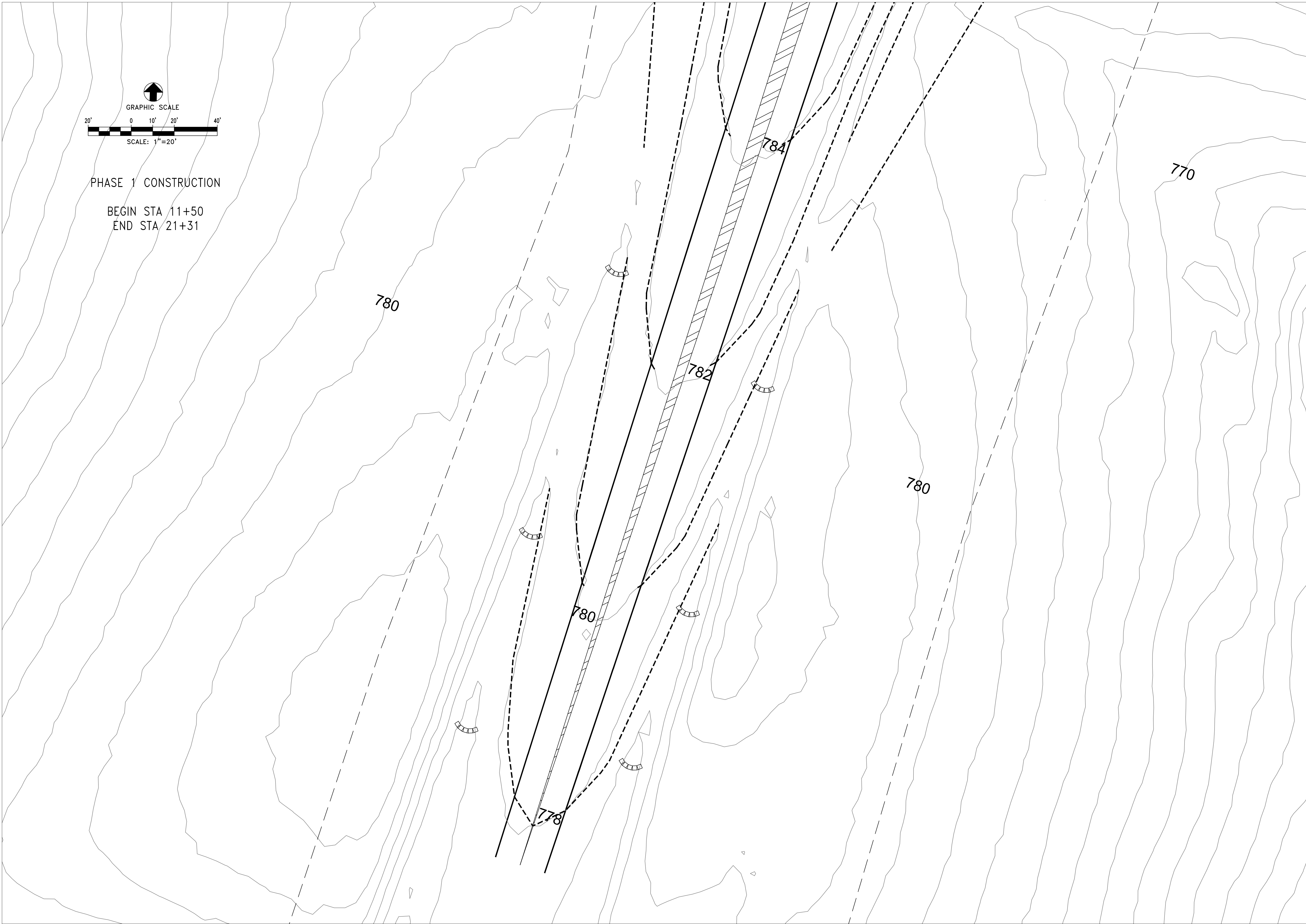
Engineers
Architects
Planners
nse
OF KENTUCKY, INC.
624 Wellington Way
Lexington, Ky. 40503
Phone: (859)223-5694
Fax: (859)223-2607
www.nselex.com

DRAWING NO.

TYP

SHEET OF

TYPICAL SECTION



GRADING AND EROSION CONTROL FOR
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DESIGNED BY	DATE	REVISION	BY
	MSE			
	CRH			
	GAR			
	GAR			
DATE	APRIL 2026			
SCALE	1" = 20'			

DESIGN DOCUMENTS:
The design professional warrants any and all responsibility and liability for problems which arise from failure to follow these plans, specifications and the design intent they convey.
This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which MSE of Kentucky, Inc. has property rights. Neither reveal our possession thereof or transfer any information contained herein to any other person without the written permission of MSE of Kentucky, Inc.

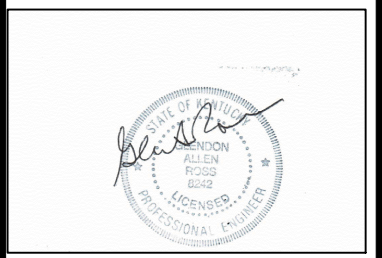
MSE OF KENTUCKY, INC.
624 Wellington Way
Lexington, KY 40503
www.mselex.com

Engineers
Architects
Planners
Phone: (609)223-5694
Fax: (609)223-2607

DRAWING NO.

EC-1

SHEET OF



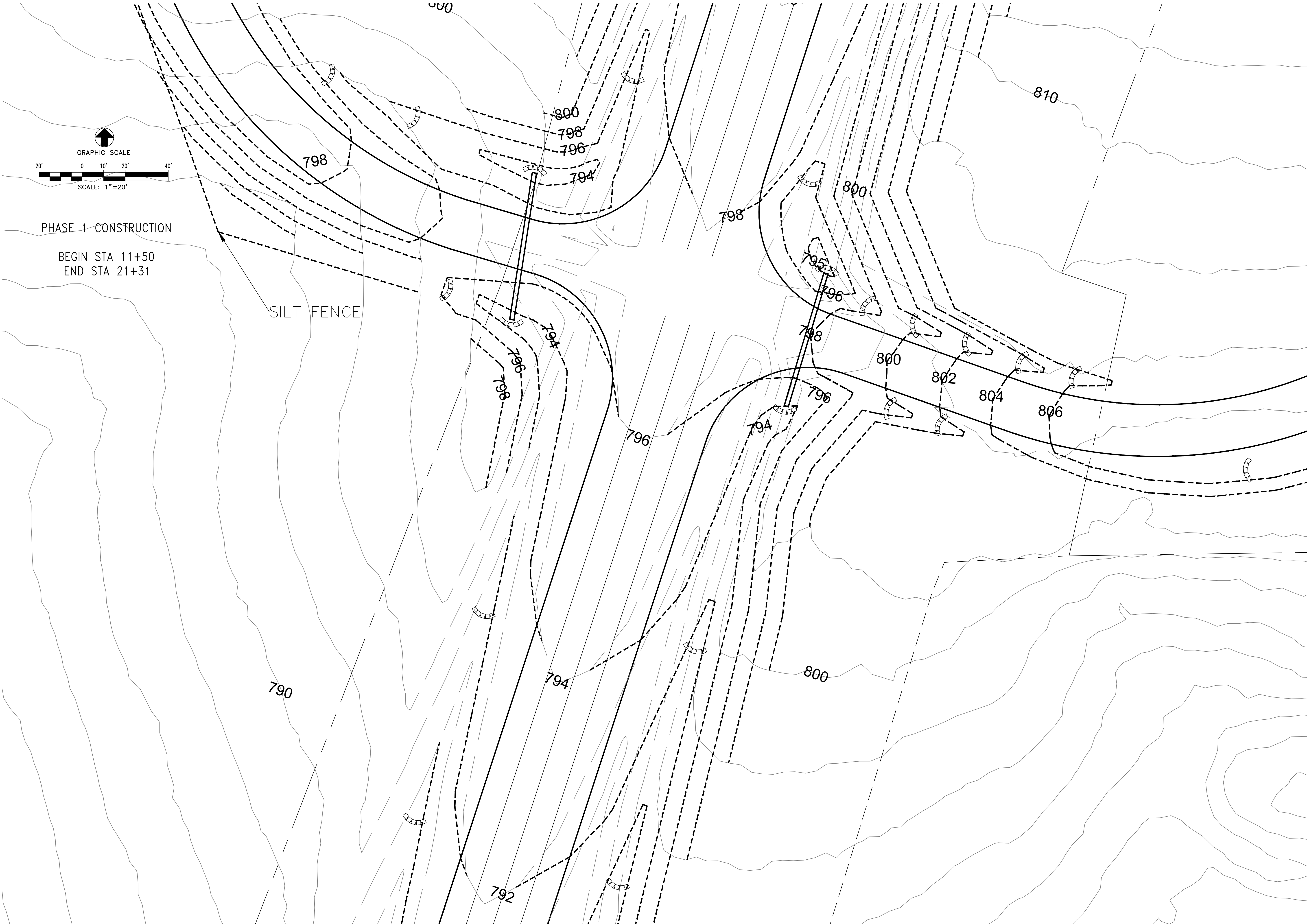
GRADING AND EROSION CONTROL FOR
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DESIGNED BY	MSE	DATE	REVISION	BY
DRAWN BY	CRH				
CHECKED BY	GAR				
DATE	APRIL 2026				
SCALE	1" = 20'				

DESIGN DOCUMENTS:
The design professional accepts any and all responsibility and liability for problems which arise from failure to follow the design documents, specifications and the design intent of any contract.
COPYRIGHT ©
This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which rights to reproduce the document or any part thereof, or to disclose any information contained herein to others, or to use it for any purpose without the written permission of MSE of Kentucky, Inc.

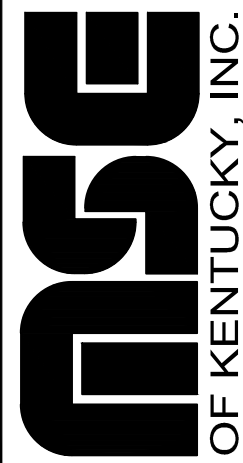
mse
OF KENTUCKY, INC.
624 Wellington Way
Lexington, KY 40503
www.mselex.com

Engineers
Architects
Planners
Phone: (859)223-5694
Fax: (859)223-2607



GRADING AND EROSION CONTROL FOR
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

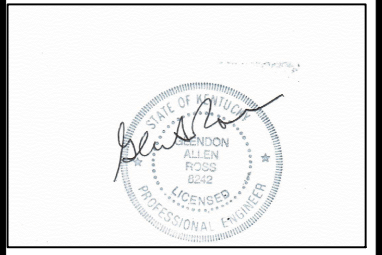
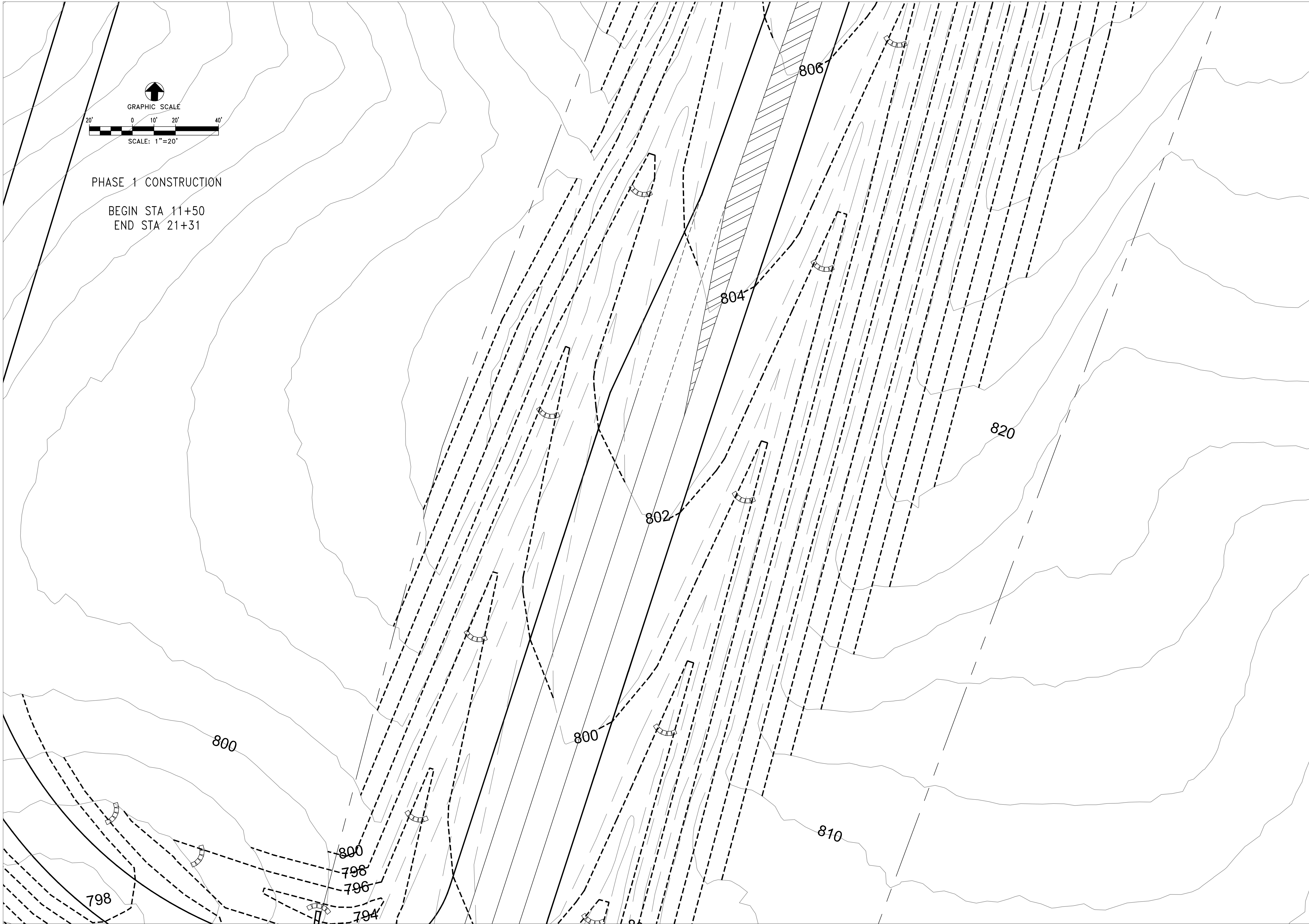
PROJECT NO.	DATE	REVISION	BY
DESIGNED BY MSE			
DRAWN BY CRH			
CHECKED BY GAR			
REVIEWED BY GAR			
DATE	APRIL 2026		
SCALE	1" = 20'		



OF KENTUCKY, INC.
Engineers
Architects
Planners

624 Wallington Way
Lexington, KY 40503
www.mselex.com

Phone: (859)223-5694
Fax: (859)223-2607



GRADING AND EROSION CONTROL FOR
ACCESS ROADS U.S. 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

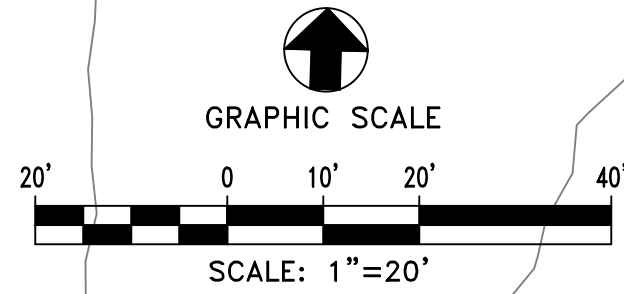
PROJECT NO.	DATE	REVISION	BY
DESIGNED BY MSE			
DRAWN BY CRH			
CHECKED BY GAR			
REVIEWED BY GAR			
DATE	APRIL 2026		
SCALE	1" = 20'		

nse
OF KENTUCKY, INC.

Engineers
Architects
Planners

624 Wellington Way
Lexington, KY 40503
www.nselex.com

Phone: (859)223-5694
Fax: (859)223-2607



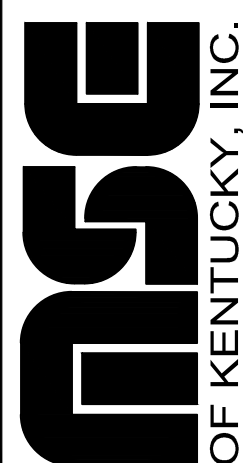
PHASE 1 CONSTRUCTION

BEGIN STA 11+50
END STA 21+31



PROJECT NO.	DESIGNED BY	DATE	REVISION	BY
	MSE			
	CRH			
	GAR			
	GAR			
DATE	APRIL 2026			
SCALE	1" = 20'			

DESIGN DOCUMENTS
The design professional warrants any and all responsibility and liability for problems which arise from failure to follow these plans, specifications and the design intent they convey.
This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which MSE of Kentucky, Inc. has property rights. Neither MSE of Kentucky, Inc. nor its design professionals, agents, or assigns, or to use it for any purpose without the written permission of MSE of Kentucky, Inc.



OF KENTUCKY, INC.

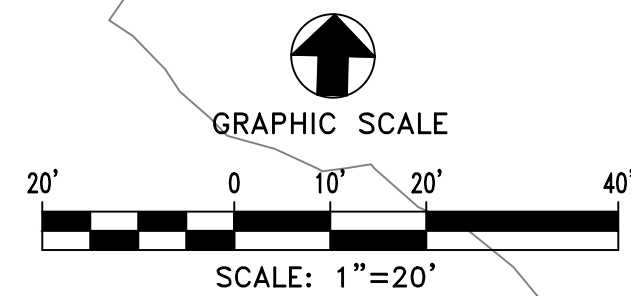
Engineers
Architects
Planners

624 Wellington Way
Lexington, KY 40503
www.mselex.com

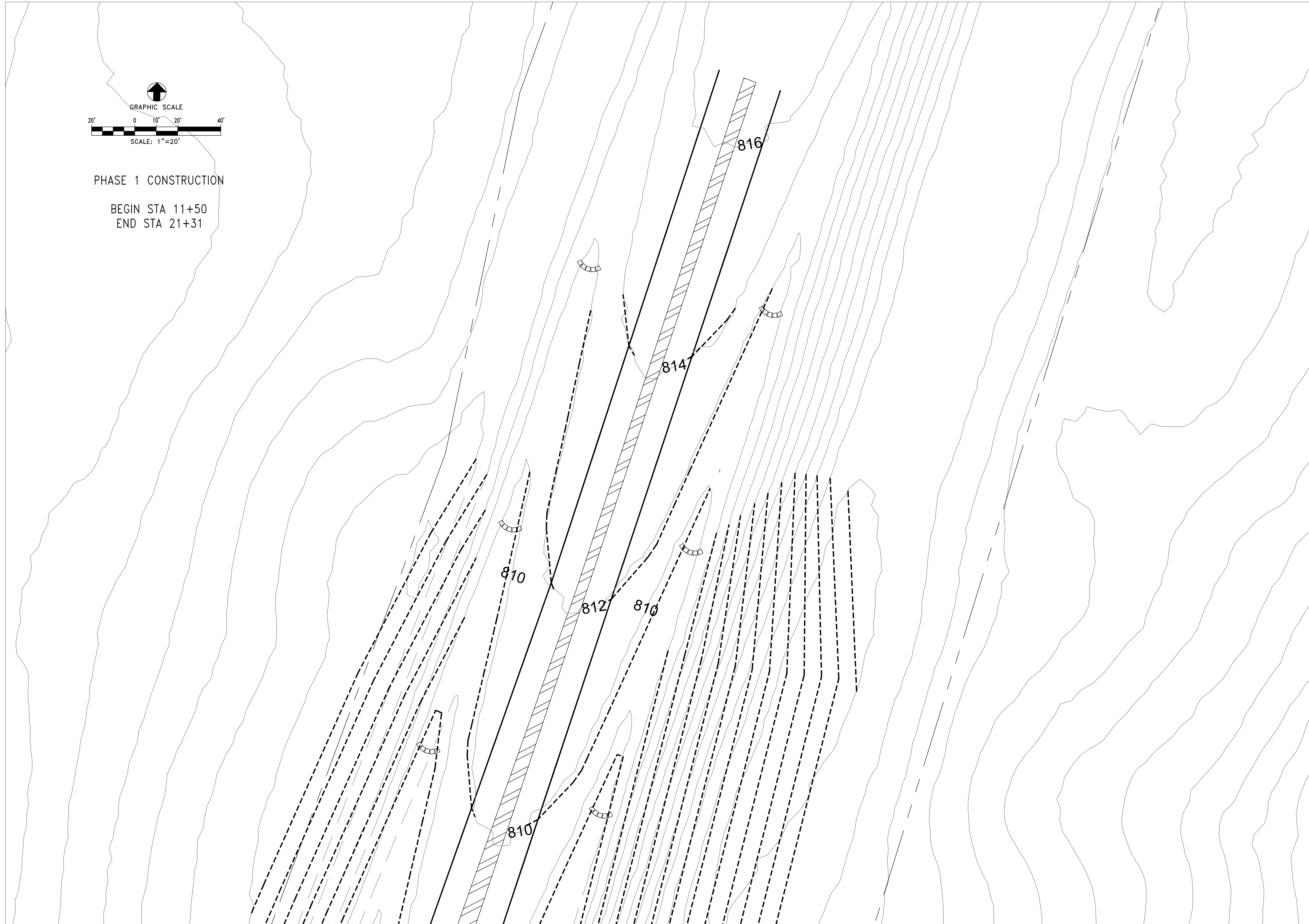
Phone: (659)223-5694
Fax: (659)223-2607

GRADING AND EROSION CONTROL FOR
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY





PHASE 1 CONSTRUCTION
BEGIN STA 11+50
END STA 21+31



GRADING AND EROSION CONTROL FOR
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DATE	REVISION	BY
DESIGNED BY MSE			
DRAWN BY CRH			
CHECKED BY GAR			
REVIEWED BY GAR			
DATE	APRIL 2026		
SCALE	1" = 20'		

**Engineers
Architects
Planners**

**NSE
OF KENTUCKY, INC.**

624 Wellington Way
Lexington, KY 40503
www.nselex.com

Phone: (859)223-5694
Fax: (859)223-2607

Plot Date:

EROSION CONTROL NOTES:

THE EROSION CONTROL MEASURES NOTED BELOW ARE MINIMUMS AND DO NOT RELIEVE THE CONTRACTOR FROM THE RESPONSIBILITY FOR COMPLIANCE WITH ANY AND ALL U.S. EPA , KENTUCKY DIVISION OF WATER AND/OR LOCAL REQUIREMENTS.

CONTRACTOR SHALL ESTABLISH EROSION CONTROL MEASURES BEFORE DISTURBING SITE.

ALL EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED DURING ALL PHASES OF CONSTRUCTION UNTIL THE COMPLETION OF ALL CONSTRUCTION ACTIVITIES AND ALL DISTURBED AREAS HAVE BEEN STABILIZED.

ADDITIONAL CONTROL DEVICES MAY BE REQUIRED DURING CONSTRUCTION, IN ORDER TO CONTROL EROSION AND/OR OFFSITE SEDIMENTATION. ALL TEMPORARY CONTROL DEVICES SHALL BE REMOVED ONCE CONSTRUCTION IS COMPLETED AND THE SITE IS STABILIZED.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREVENT EROSION ONTO ADJACENT PROPERTY. ANY REMEDIAL MEASURES REQUIRED TO CORRECT DAMAGE CREATED BY EROSION SHALL BE AT THE CONTRACTOR'S EXPENSE.

TOPSOIL STOCKPILES THAT ARE NOT BEING UTILIZED FOR A PERIOD OF 14 DAYS TO BE SURROUNDED BY SILT FENCE.

SILT FENCES TO BE CLEANED OUT WHEN THEY BECOME ONE-THIRD FULL.

WHEN SEASONAL CONDITIONS PROHIBIT THE APPLICATION OF TEMPORARY OR PERMANENT SEEDING, NON-VEGETATIVE SOIL STABILIZATION PRACTICES SUCH AS MULCHING AND MATTING SHALL BE USED, UNTIL SUCH TIME AS CONDITIONS PERMIT.

ALL SEDIMENT CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE EVERY SEVEN DAYS AND AFTER ANY STORM EVENT OF GREATER THAN 0.5 INCHES OF PRECIPITATION DURING ANY 24-HOUR PERIOD. A FIELD LOG OF INSPECTIONS SHALL BE MADE AND A COPY GIVEN TO THE OWNER.

ALL SEDIMENT CONTROL FEATURES SHALL BE MAINTAINED UNTIL FINAL SOIL STABILIZATION HAS BEEN OBTAINED.

STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT NO MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PART OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED UNLESS THAT ACTIVITY IN THAT PORTION OF THE SITE WILL RESUME WITHIN 21 DAYS.

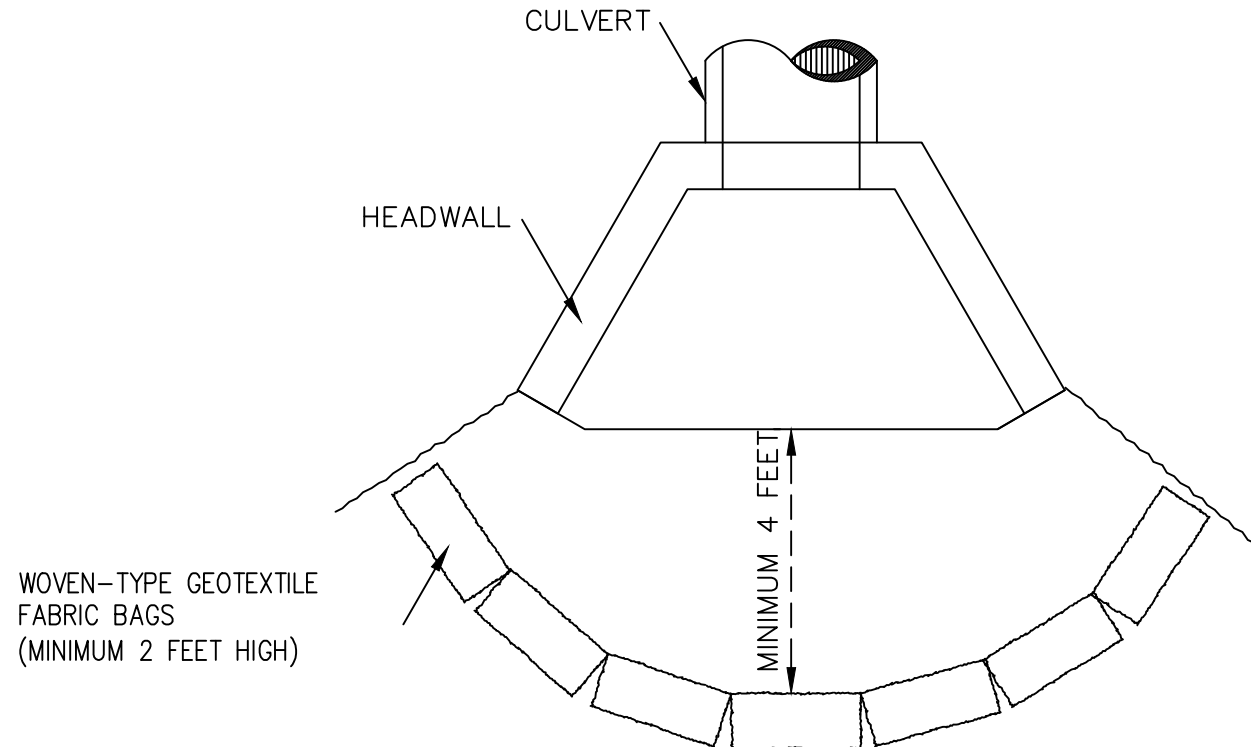
THE CONTRACTOR MUST TAKE NECESSARY ACTION TO MINIMIZE TRACKING OF MUD ONTO PAVED ROADWAY FROM CONSTRUCTION AREAS. THE CONTRACTOR SHALL DAILY REMOVE MUD/SOIL FROM PAVEMENT, AS MAY BE REQUIRED

PROVIDE TRAFFIC CONTROL IN ACCORDANCE WITH THE MANUAL FOR UNIFORM TRAFFIC CONTROL DEVICES AND THE KENTUCKY DEPARTMENT OF HIGHWAYS GUIDANCE MANUAL.

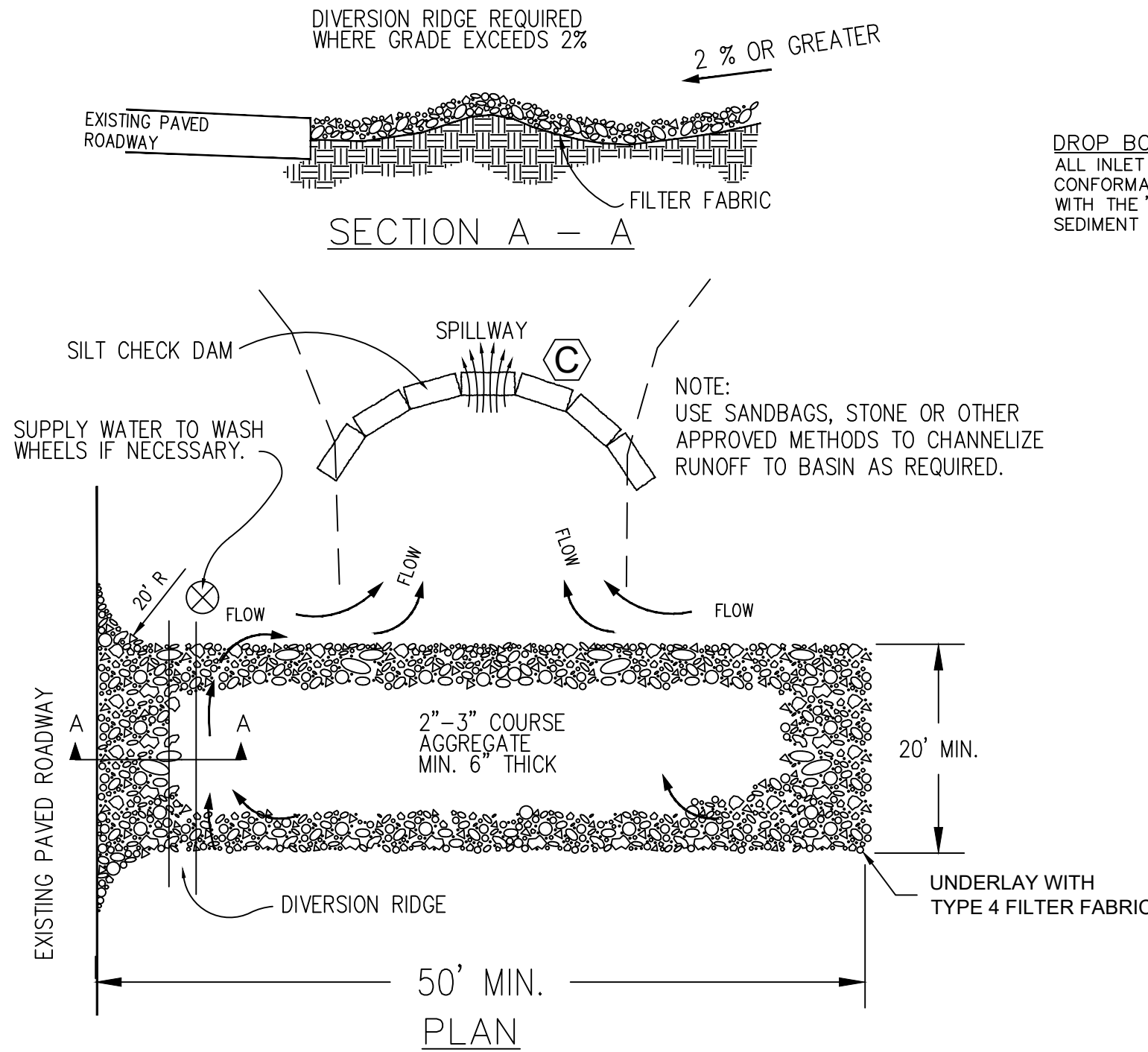
MAINTAIN ACCESS TO EXISTING BUSINESSES AND EXISTING ROADS.

ALL EARTHWORK TO COMPLY WITH KENTUCKY DEPT. OF HIGHWAYS (KY-DOH SECTION 400) SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EDITION OF 2000 AND ANY AMENDMENTS.

THE CONTRACTOR SHALL SHALL LIMIT ACCESS TO THE SITE TO THE CONSTRUCTION ENTRANCES. THE LOCATION OF THE CONSTRUCTION ENTRANCES SHALL BE APPROVED BY THE ENGINEER AND DESIGNATED ON THE SWPPP. THE CONTRACTOR SHALL INSTALL STONE SURFACE AT THE LOCATION WHERE CONSTRUCTION TRAFFIC LEAVES AND ENTERS THE SITE. THESE ACCESS POINTS SHALL BE MIN. 20' WIDE, 50' LONG, 0.5' DEEP AND USE NO 7 STONE OVER GEOTEXTILE FABRIC. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING STREETS AND PARKING AREAS FREE FORM MUD, DIRT, DEBRIS, AND ROCK. DUST SHALL BE KEPT TO A MINIMUM BY UTILIZING SPRINKLING, CALCIUM CHLORIDE, VEGETATIVE COVER, SPRAY ON ADHESIVES OR OTHER APPROVED METHODS. THIS ENTRANCE SHALL BE MAINTAINED UNTIL THE STREET HAS BEEN CONSTRUCTED.



B CULVERT INLET SEDIMENT BARRIER TYPE "B"
NTS

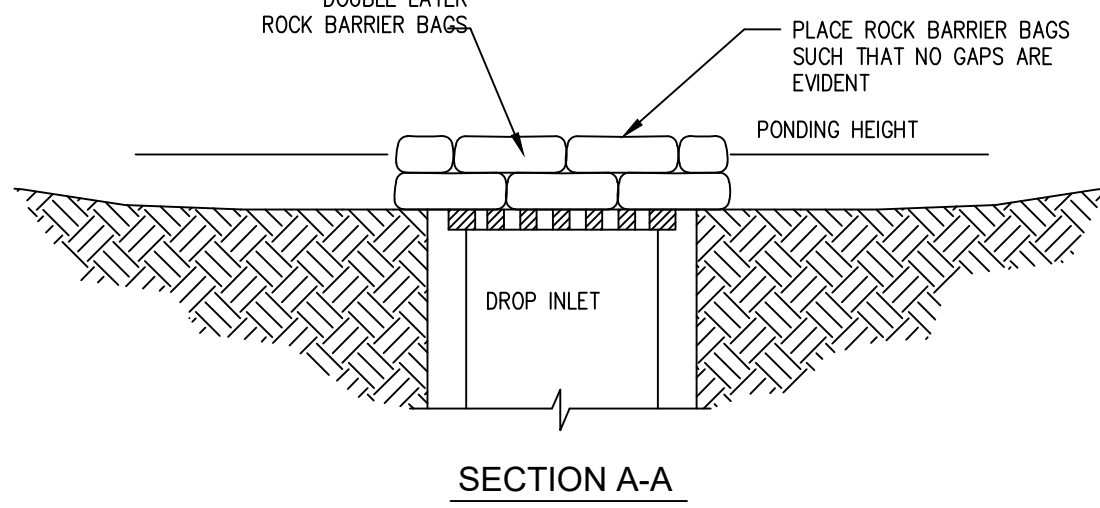
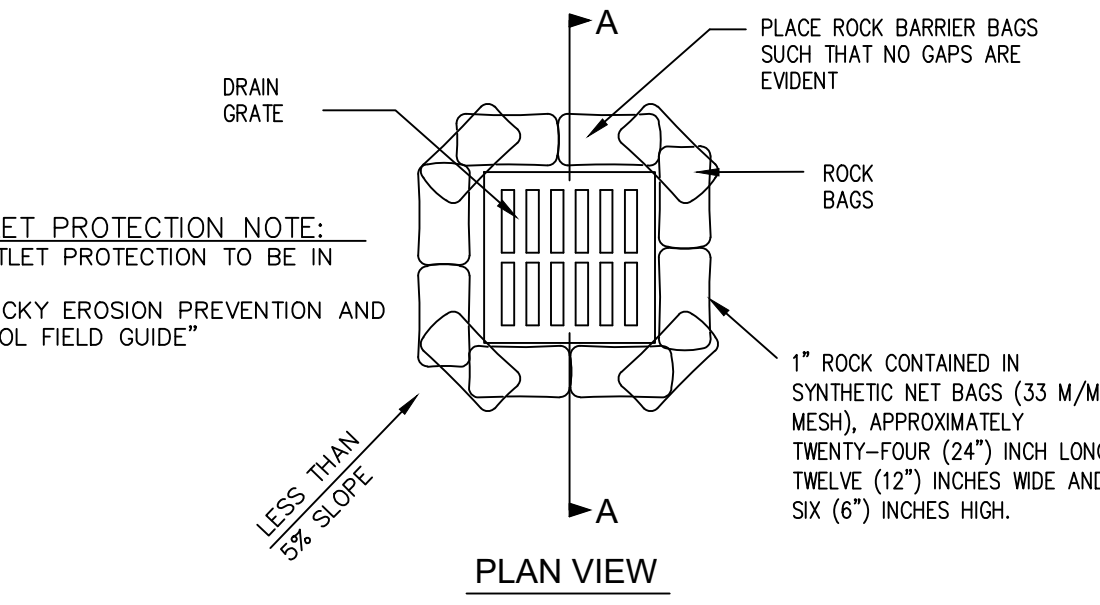
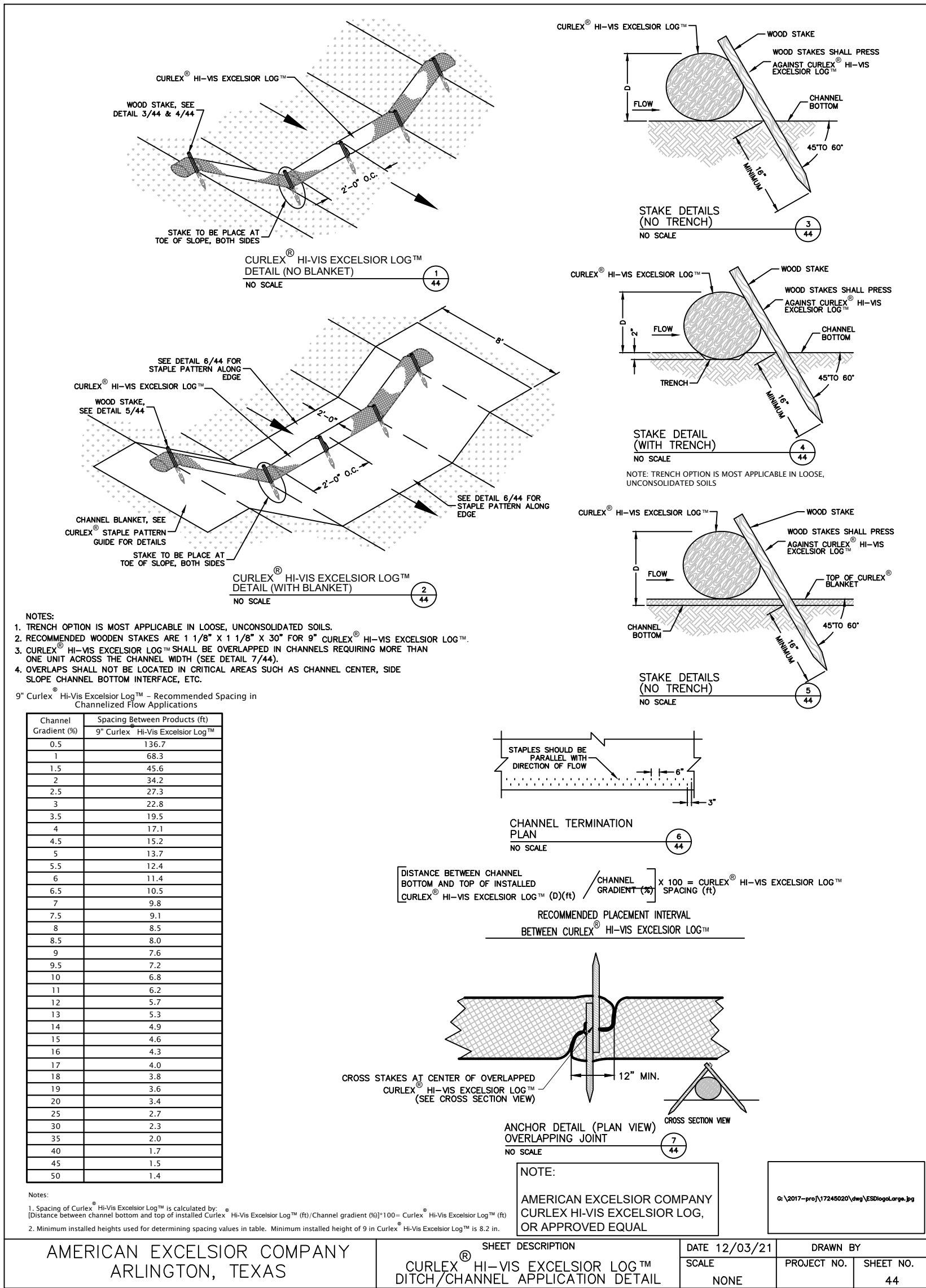


NOTES:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

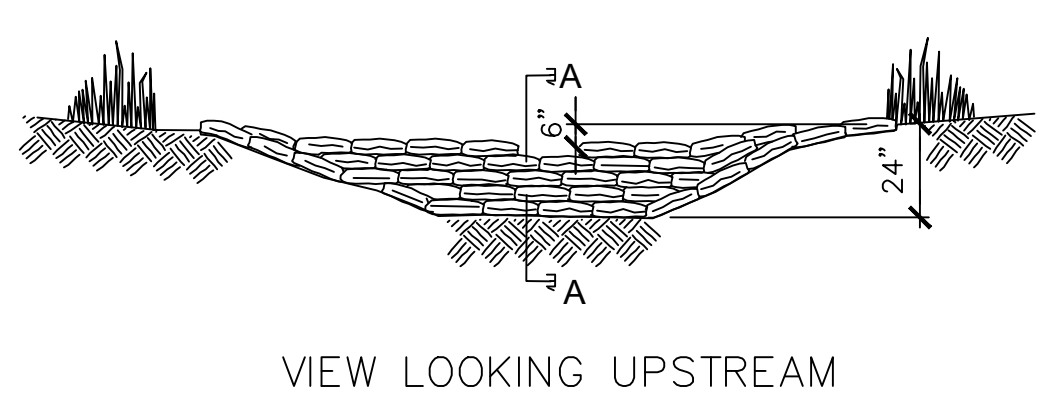
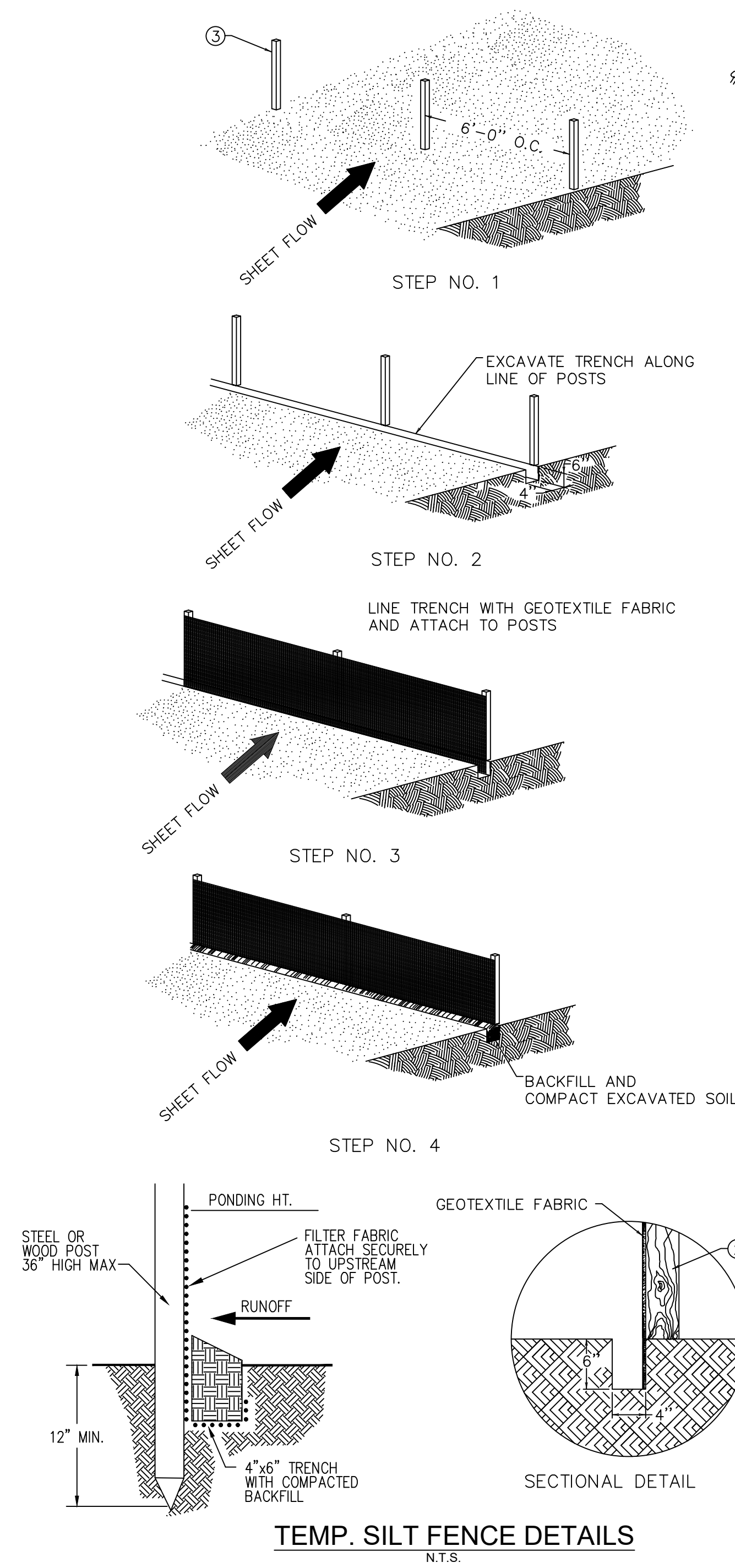
TEMPORARY GRAVEL CONSTRUCTION

ENTRANCE/EXIT

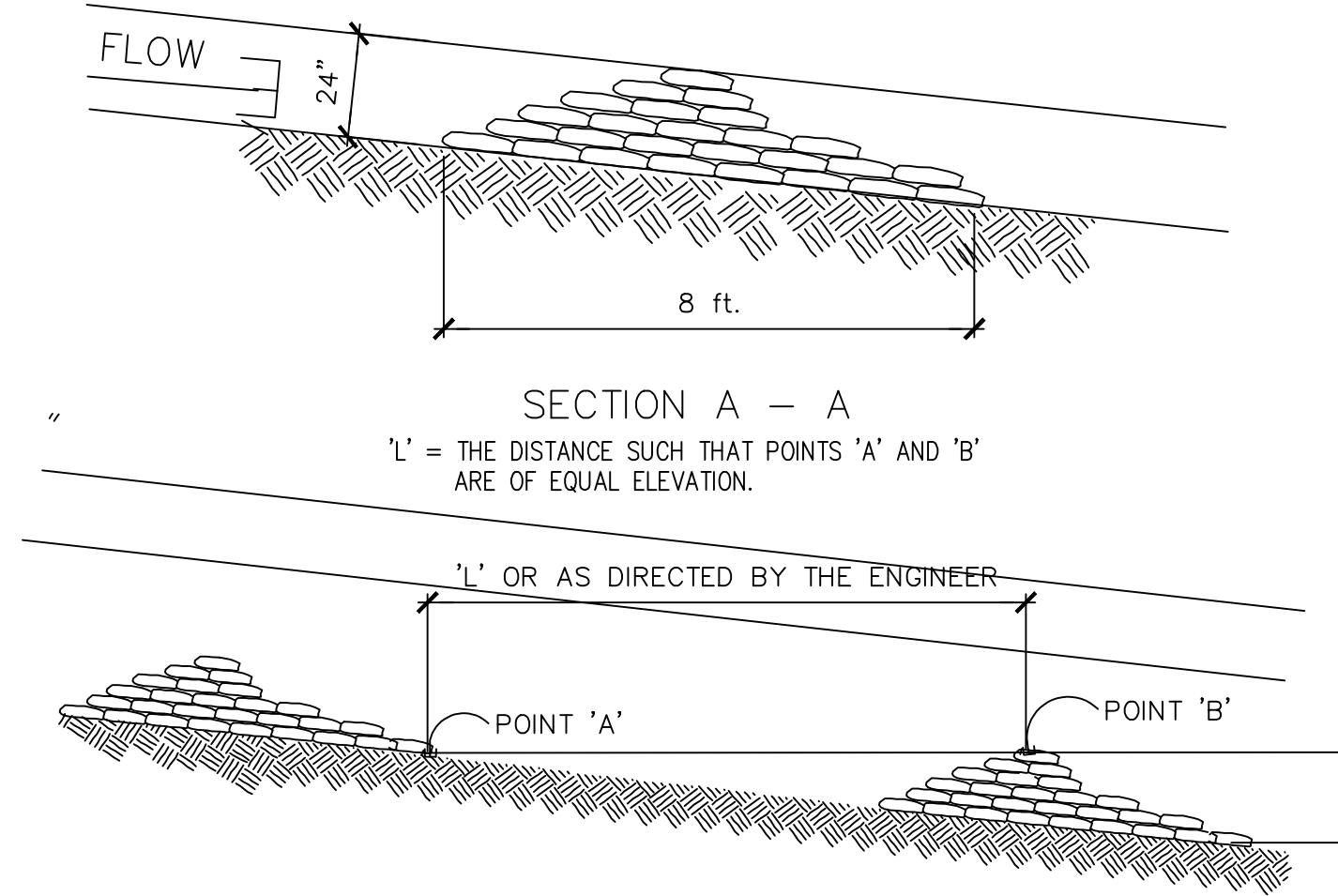
NTS.



C SILT TRAP TYPE "C"
NTS.



STONE FILLED BAG CHECK DAMS MUST BE PLACED IN CHANNEL BY HAND, WITH THE TIED ENDS OF THE BAGS POINTING UPSTREAM AND THE CENTER OVERFLOW AREA AT LEAST 6" LOWER THAN THE OUTER EDGE. THE HIGHER ENDS OF THE CHECK DAM MUST TIE TO THE CHANNEL TO PREVENT BYPASS.



SPACING BETWEEN CHECK DAMS

D SILT CHECK DAM TYPE "D"
NTS

NOTES

- SEE STANDARD SPECIFICATIONS FOR POST SIZE, GEOTEXTILE FABRIC, WIRE STAPLES AND ALL OTHER PERTINENT INFORMATION.
- POSTS MAY BE WOODEN OR METAL T-SECTION.
- POSTS SHALL BE SET 1'-4" DEEP.
- INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY.
- REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
- SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.



EROSION CONTROL DETAILS

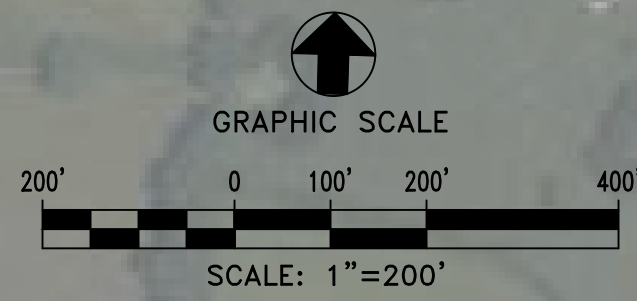


EROSION CONTROL DETAILS
U.S. 27 BYPASS TURN LANES
AT
HARRISON COUNTY - CYNTHIANA
EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DATE	REVISION	BY
2088-34	2021		JDW
DESIGNED BY: G.A.R.			
DRAWN BY: J.D.W.			
CHECKED BY: J.D.W.			
REVIEWED BY: G.A.R.			
DATE: APRIL 2026			
SCALE: AS SHOWN			

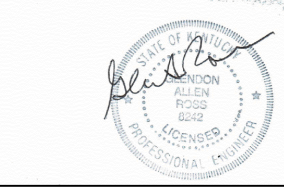
Engineers
Architects
Planners
OF KENTUCKY, INC.
624 Wellington Way
Lexington, KY 40503
Phone: (606) 293-8604
Fax: (606) 293-8607
www.mselex.com

DRAWING NO.
EC-7
SHEET OF



EXISTING CONDITIONS

© 2025 Microsoft Corporation © 2025 Maxar ©CNES (2025) Distribution Airbus DS



EXISTING CONDITIONS FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DESIGNED BY	DATE	REVISION	BY
15427	MSE			
DRAWN BY	CRH			
CHECKED BY	GAR			
REVIEWED BY	GAR			
DATE	APRIL 2026			
SCALE	1" = 200'			

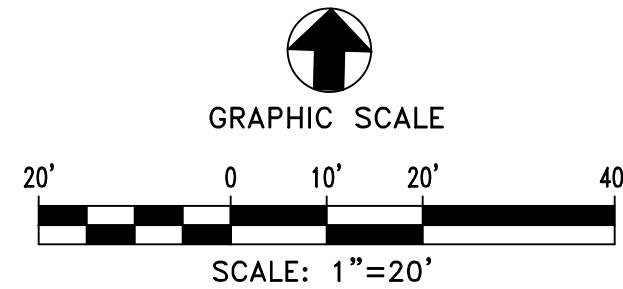
mse
OF KENTUCKY, INC.

Engineers
Architects
Planners

624 Wellington Way
Lexington, KY 40503
www.mselex.com

Phone: (859)223-5694
Fax: (859)223-2607

DESIGN DOCUMENTS:
The design professional warrants any and all responsibility and liability for problems which arise from failure to comply with the design, specifications and the design intent may convey.
This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which copyright is claimed. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of MSE of Kentucky, Inc.



PHASE 1 CONSTRUCTION

BEGIN STA 11+50
END STA 21+31

PROPOSED GUARDRAIL TO REPLACE EXISTING
TO ALIGN WITH WIDENING AND NEW END/TREATMENT
NO. 1 SEE SHEET D-5

PROPOSED GUARDRAIL TO REPLACE EXISTING
TO ALIGN WITH WIDENING AND NEW END TREATMENT
NO. 1 SEE SHEET D-5

REPLACE ENTIRE RUN OF
GUARDRAIL TERMINAL
SECTION NO. 1

REPLACE ENTIRE RUN
OF GUARDRAIL TERMINAL
SECTION NO. 1

CENTERLINE

US HIGHWAY 27

SITE PLAN FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

DATE	REVISION	BY

DESIGN DOCUMENTS:
The design professional warrants any and all responsibility and liability for problems which arise from failure in all design, construction, specifications and the design-build project delivery.
Copyright ©
This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which MSE of Kentucky, Inc. has a right to reproduce the document or any part thereof, or to disclose any information contained therein to others, or to use it for any purpose without the written permission of MSE of Kentucky, Inc.

**Engineers
Architects
Planners**
OF KENTUCKY, INC.
624 Wellington Way
Lexington, KY 40503
www.mselex.com

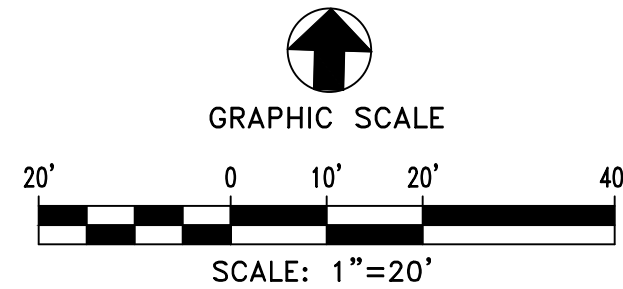
Phone: (859)223-5694
Fax: (859)223-2807

PROJECT NO.	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY	DATE	SCALE
	MSE	CRH	GAR	GAR	APRIL 2026	1" = 20'

DRAWING NO.

C-1

SHEET OF

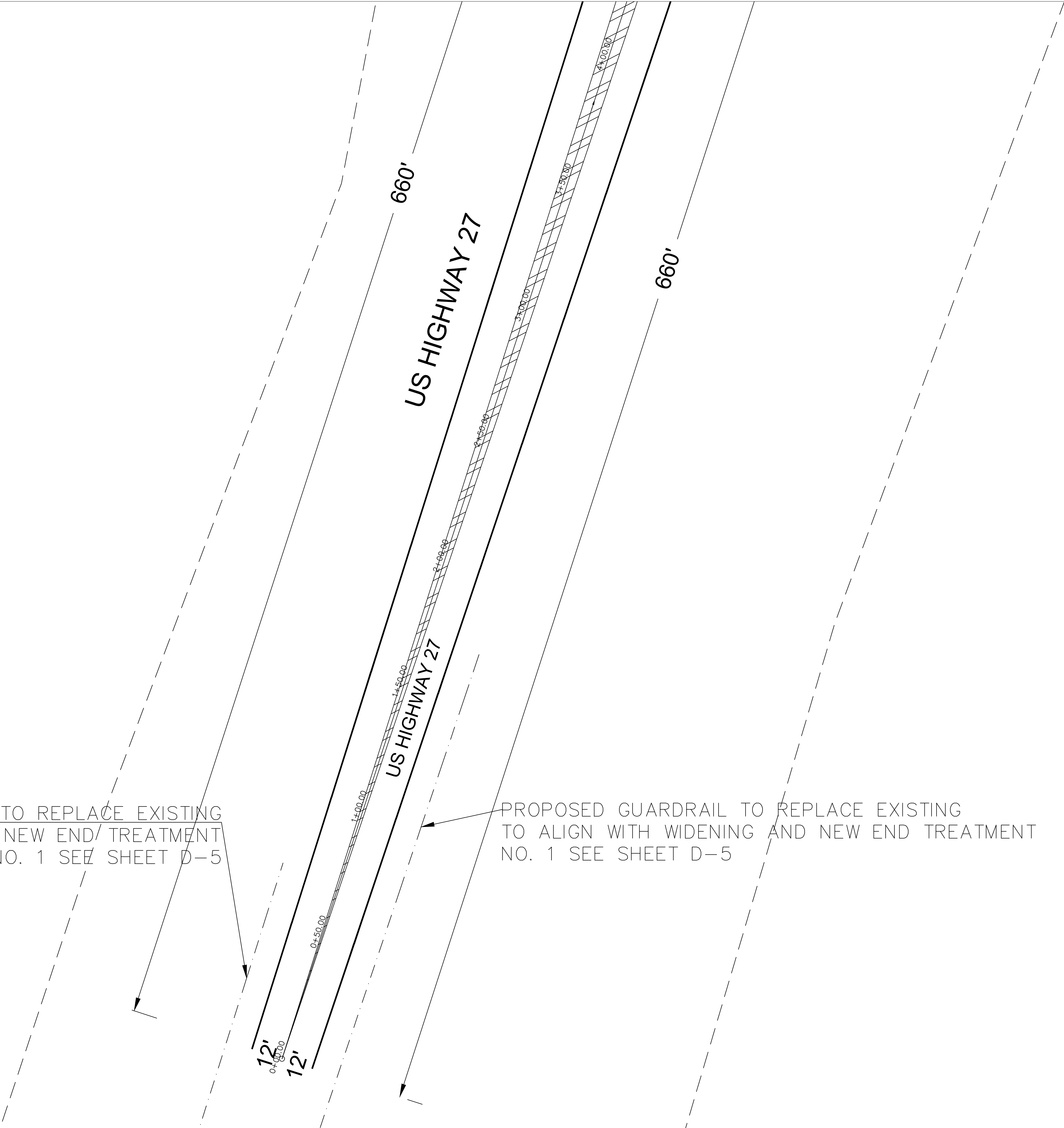


PHASE 1 CONSTRUCTION

BEGIN STA 11+50
END STA 21+31

PROPOSED GUARDRAIL TO REPLACE EXISTING
TO ALIGN WITH WIDENING AND NEW END TREATMENT
NO. 1 SEE SHEET D-5

PROPOSED GUARDRAIL TO REPLACE EXISTING
TO ALIGN WITH WIDENING AND NEW END TREATMENT
NO. 1 SEE SHEET D-5

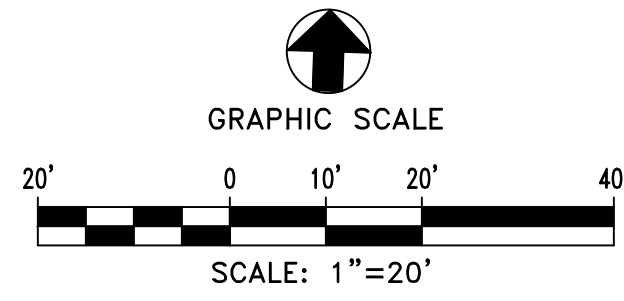


SITE PLAN FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DESIGNED BY	DATE	REVISION	BY
12222	MSE			
DRAWN BY	CRH			
CHECKED BY	GAR			
REVIEWED BY	GAR			
DATE	APRIL 2026			
SCALE	1" = 20'			

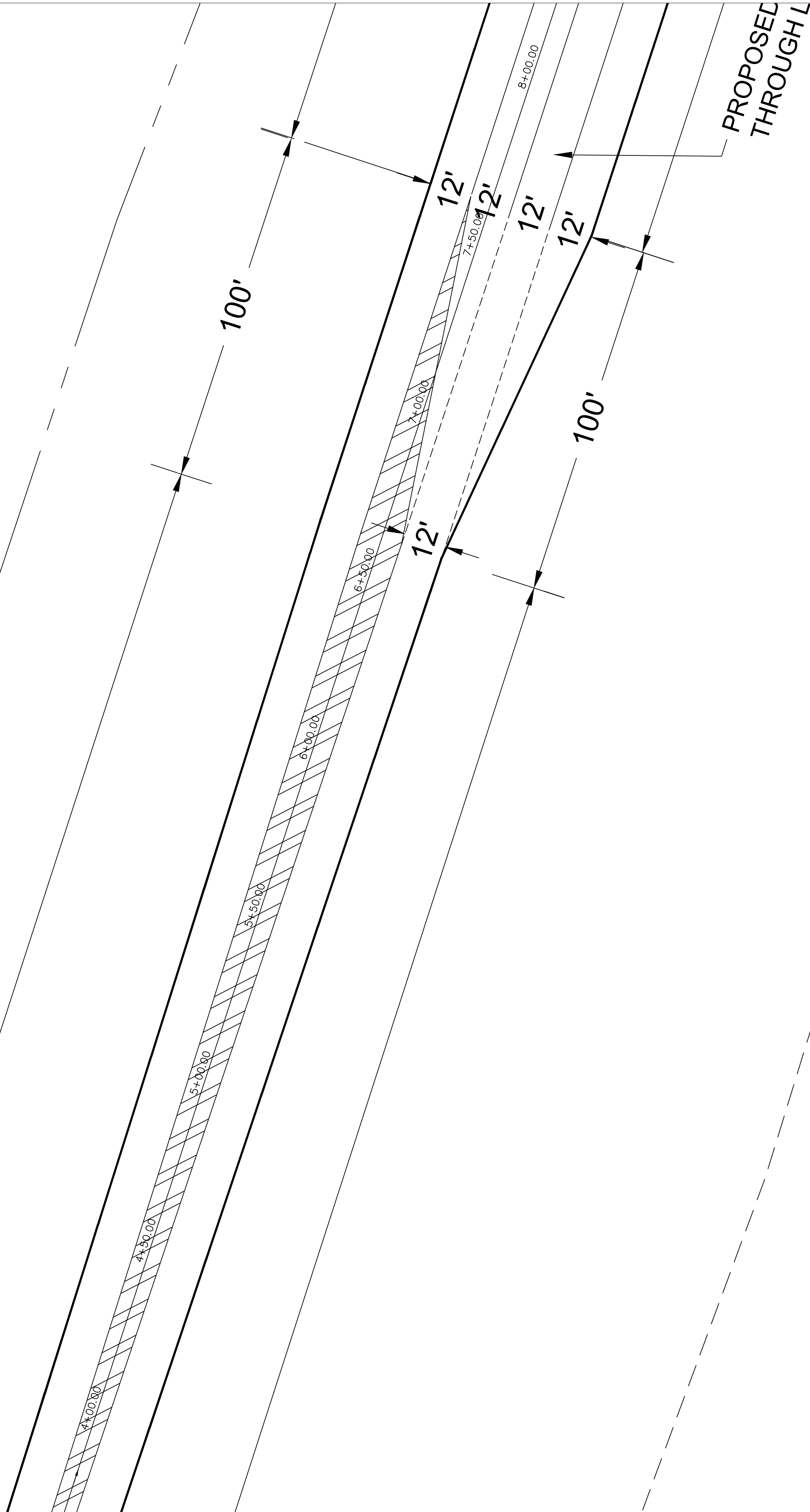
DESIGN DOCUMENTS:
The design professional warrants any and all responsibility and liability for problems which arise from failure
in the design, construction, operation and the design of the project.
This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which
rights to reproduce the document or any part thereof, or to disclose any information contained therein to
others, or to use for any purpose without the written permission of MSE of Kentucky, Inc.
Copyright © 2026

mse
OF KENTUCKY, INC.
Engineers
Architects
Planners
624 Wellington Way
Lexington, KY 40503
www.mselex.com
Phone: (859)223-5694
Fax: (859)223-2607



PHASE 1 CONSTRUCTION

BEGIN STA 11+50
END STA 21+31



SITE PLAN FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DATE	REVISION	BY
DESIGNED BY MSE			
DRAWN BY CRH			
CHECKED BY GAR			
REVIEWED BY GAR			
DATE	APRIL 2026		
SCALE	1" = 20'		

DESIGN NOTES
The design professional leaves any and all responsibility and liability for problems which arise from failure to follow these plans, specifications and the design intent they convey.
These documents are subject matter considered confidentially by MSE of Kentucky, Inc. and on which MSE of Kentucky, Inc. has property rights. Neither accept nor possession thereof confers or transfers any rights, title, or interest in these documents to any other party without the written permission of MSE of Kentucky, Inc.

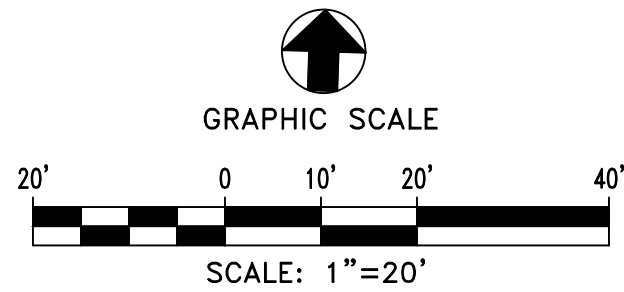
nse
OF KENTUCKY, INC.
Engineers
Architects
Planners
624 Wellington Way
Lexington KY 40503
www.nselex.com
Phone: (859) 223-5894
Fax: (859) 223-2807

DRAWING NO.

C-3

SHEET OF

SHIFT OF



PHASE 1 CONSTRUCTION

BEGIN STA 11+50
END STA 21+31

US HIGHWAY 27

660'

19+20.00

18+00.00

18+50.00

17+80.00

17+50.00

17+00.00

16+50.00

16+00.00

15+00.00



SITE PLAN FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

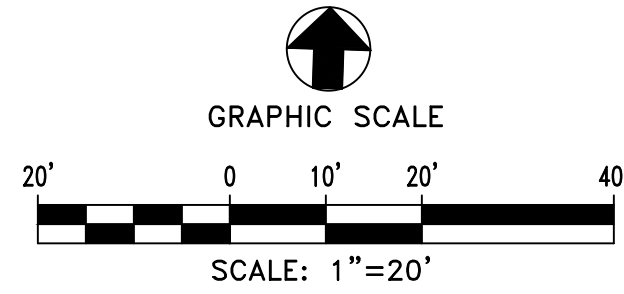
PROJECT NO.	DATE	REVISION	BY
DESIGNED BY MSE			
DRAWN BY CRH			
CHECKED BY GAR			
REVIEWED BY GAR			
DATE	APRIL 2026		
SCALE	1" = 20'		

nse
OF KENTUCKY, INC.

Engineers
Architects
Planners

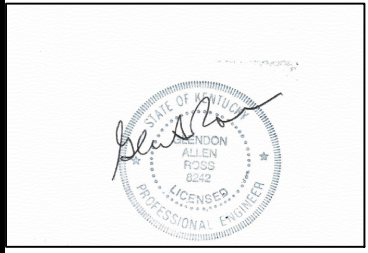
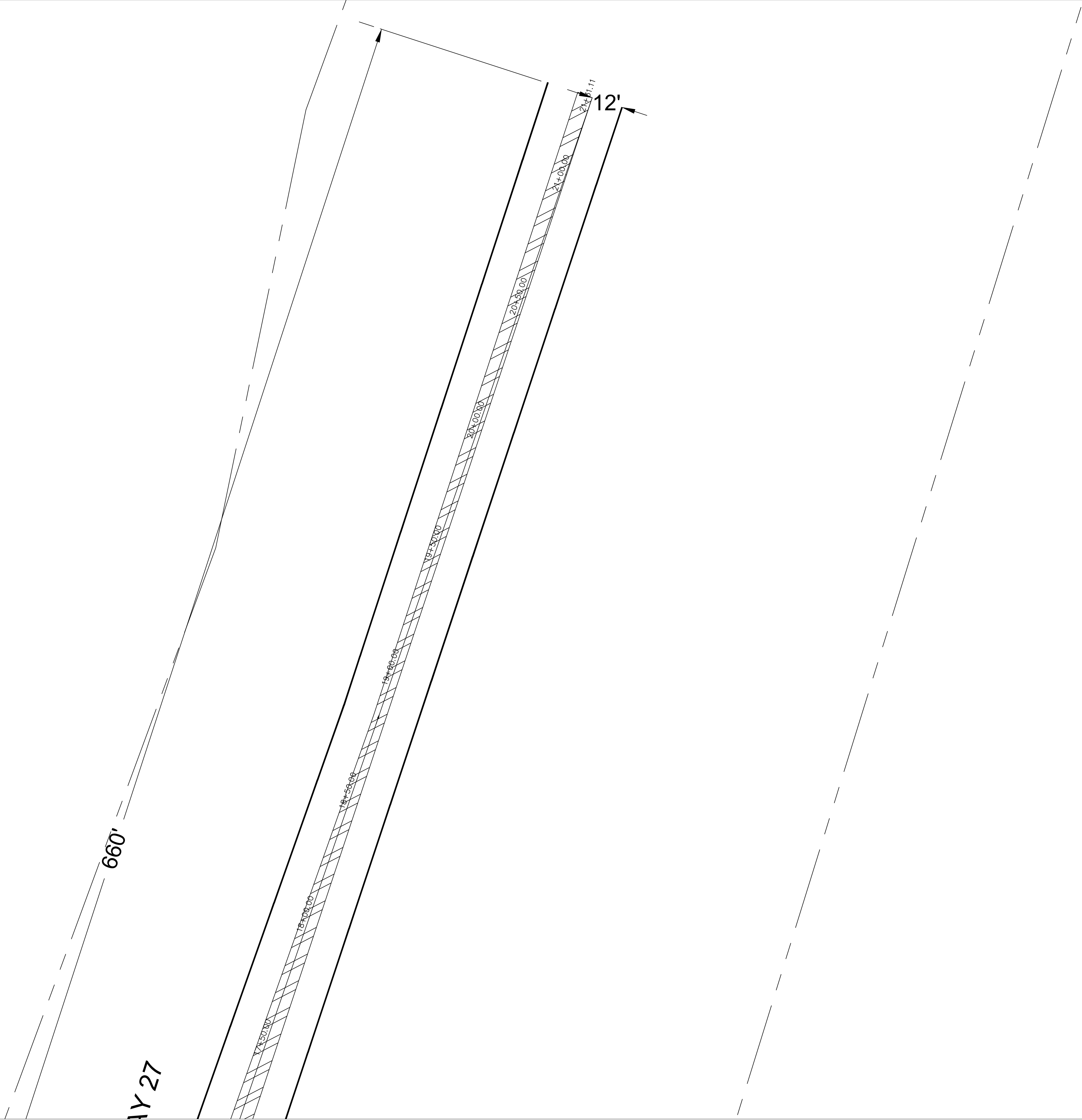
624 Wellington Way
Lexington, KY 40503
www.nselex.com

Phone: (859) 223-5694
Fax: (859) 223-2607



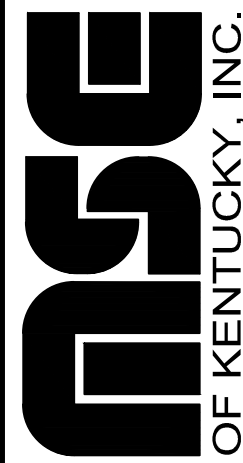
PHASE 1 CONSTRUCTION

BEGIN STA 11+50
END STA 21+31



SITE PLAN FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DESIGNED BY	DATE	REVISION	BY
DESIGNED BY	MSE			
DRAWN BY	CRH			
CHECKED BY	GAR			
REVIEWED BY	GAR			
DATE	APRIL 2026			
SCALE	1" = 20'			

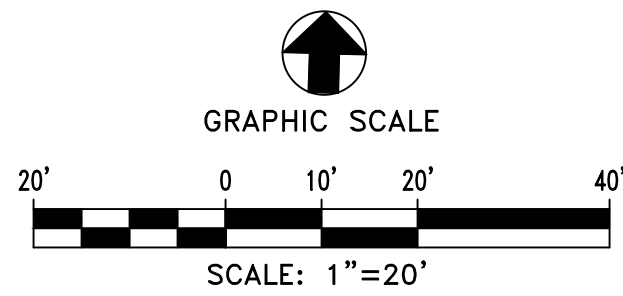


**Engineers
Architects
Planners**

OF KENTUCKY, INC.

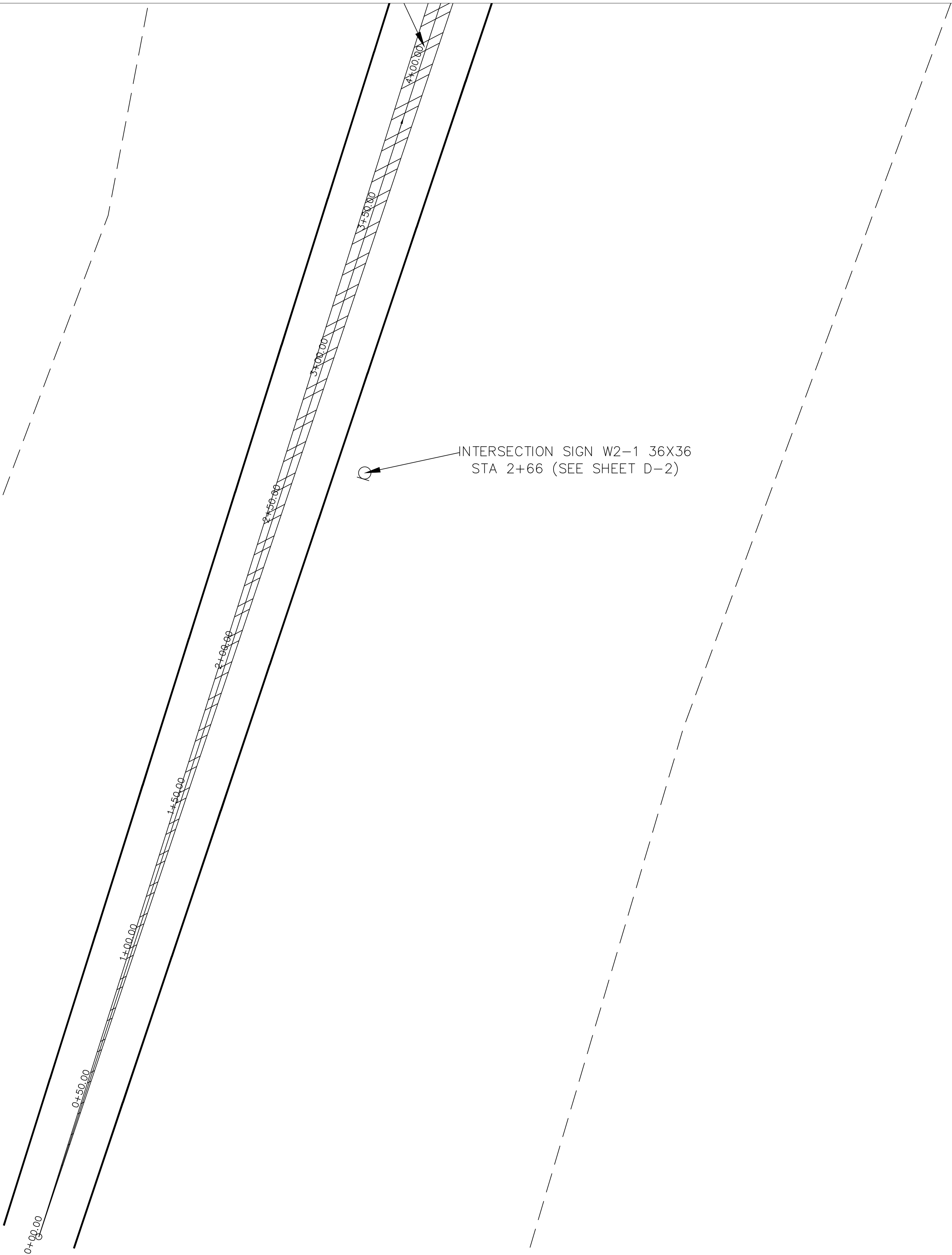
624 Wellington Way
Lexington, KY 40503
www.mselex.com

Phone: (859)223-5694
Fax: (859)223-2607



PHASE 1 CONSTRUCTION

BEGIN STA 11+50
END STA 21+31



STRIPING AND SIGNAGE PLAN
ACCESS ROADS U.S. 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

ENGINEERS
ARCHITECTS
PLANNERS

mse
OF KENTUCKY, INC.

624 Wellington Way
Lexington, KY 40503
www.mselex.com

Phone: (859)223-5694
Fax: (859)223-2607

PROJECT NO.	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED BY	DATE	SCALE
	MSE	CRH	GAR	GAR	APRIL 2026	1" = 20'

DATE	REVISION	BY

DESIGN DOCUMENTS: These documents are the property of MSE of Kentucky, Inc. and are to be used only for the project and location specified herein. No part of these documents may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of MSE of Kentucky, Inc.

COPYRIGHT © 2026 MSE of Kentucky, Inc.

This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which MSE of Kentucky, Inc. has a proprietary right. It is to be used only for the project and location specified herein. No part of these documents may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of MSE of Kentucky, Inc.

DRAWING NO.
C-8

SHEET OF



EDGE LANE STRIPING TO BE
WHITE 6" THERMOPLASTIC

WHITE 6" DOTTED
LANE EXTENSION

STRIPE FLUSH ISLAND
CROSS-HATCH 24" WIDE SPACED 20'
WITH 6" DOUBLE YELLOW THERMOPLASTIC STRIPES
(SEE SHEET D-6)

PROPOSED CROSS HATCHING

PROJECT NO.		DESIGNED BY	WSE
		DRAWN BY	GRH
		CHECKED BY	GAR
		REVIEWED BY	GAR
DATE	APRIL 2026		
SCALE	1" = 20'		

DATE	REVISION	BY

DESIGN PROFESSIONAL'S CERTIFICATION
The design professional warrants any and all responsibility and liability for problems which arise from failure to follow these plans, specifications and the design intent they convey.

OWNER'S CERTIFICATION
This document discloses subject matter confidential to MSE of Kentucky, Inc. and on which the design professional has relied in the preparation of the design. I, the undersigned, hereby warrant my rights to reproduce the document or any part thereof, or to disclose any information contained therein in whole or in part for any purpose without the written permission of MSE of Kentucky, Inc.

MSE
OF KENTUCKY, INC.

624 Wellington Way
Lexington, KY 40503
www.mselex.com

Engineers
Architects
Planners

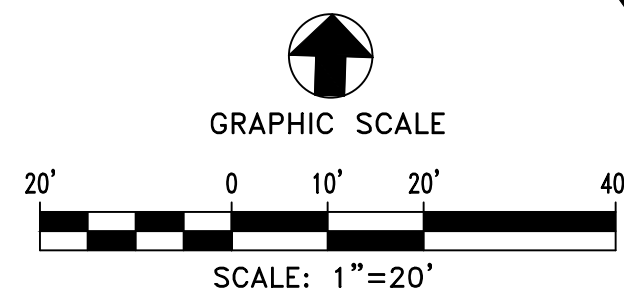
Phone: (859)223-5694
Fax: (859)223-2807

DRAWING NO.

C-9

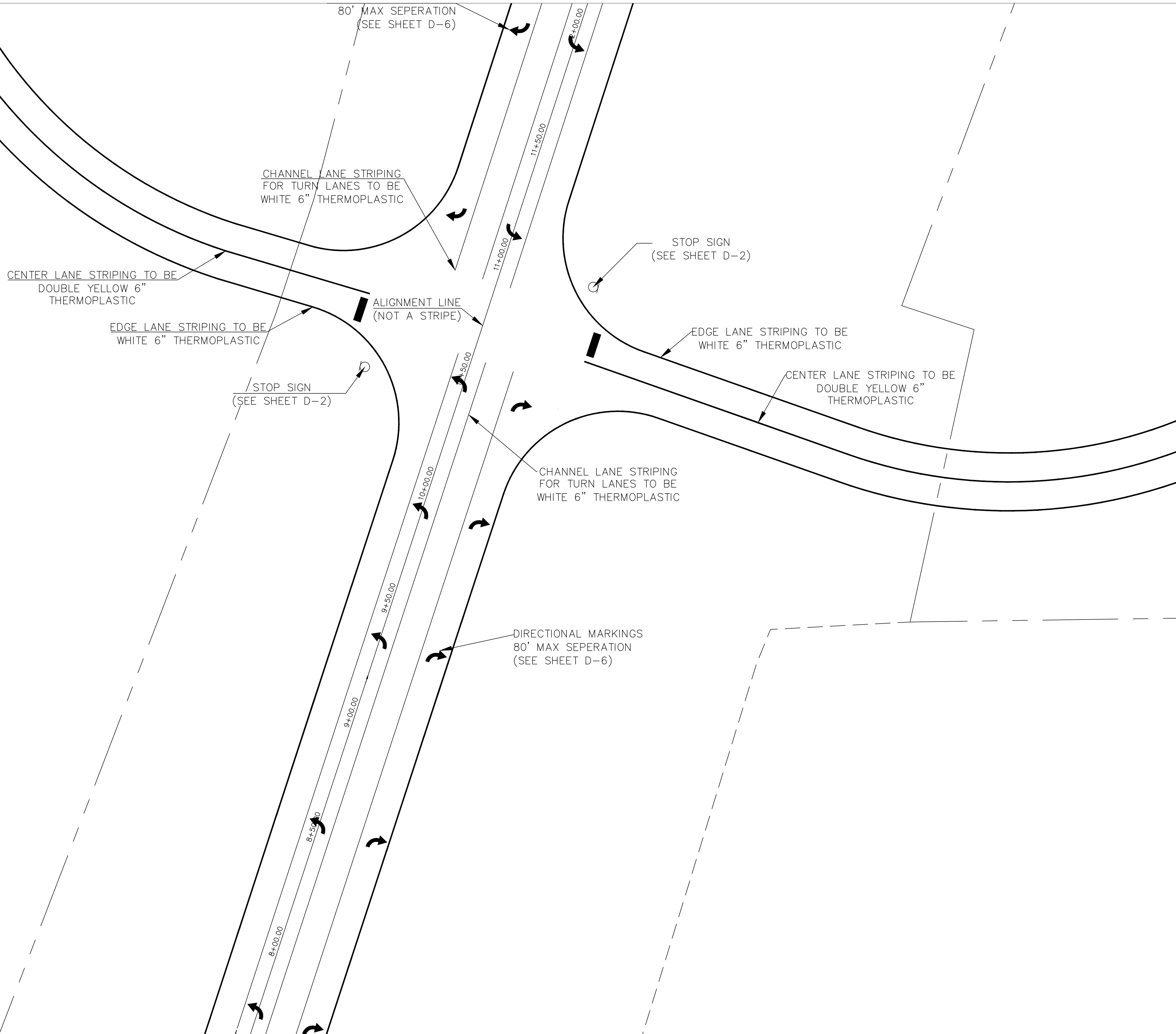
SHEET OF

DESIGN DOCUMENTS:



PHASE 1 CONSTRUCTION

BEGIN STA 11+50
END STA 21+31



STRIPING AND SIGNAGE PLAN
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DESIGNED BY	DATE	REVISION	BY
15427	MSE			
DRAWN BY	CRH			
CHECKED BY	GAR			
REVIEWED BY	GAR			
DATE	APRIL 2026			
SCALE	1" = 20'			

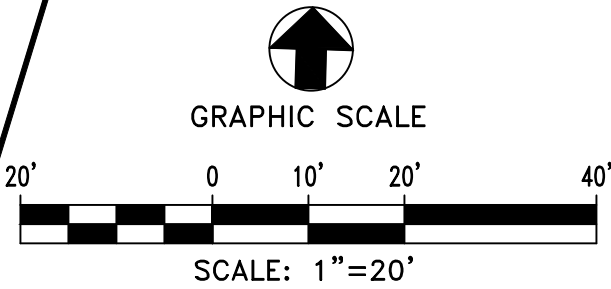
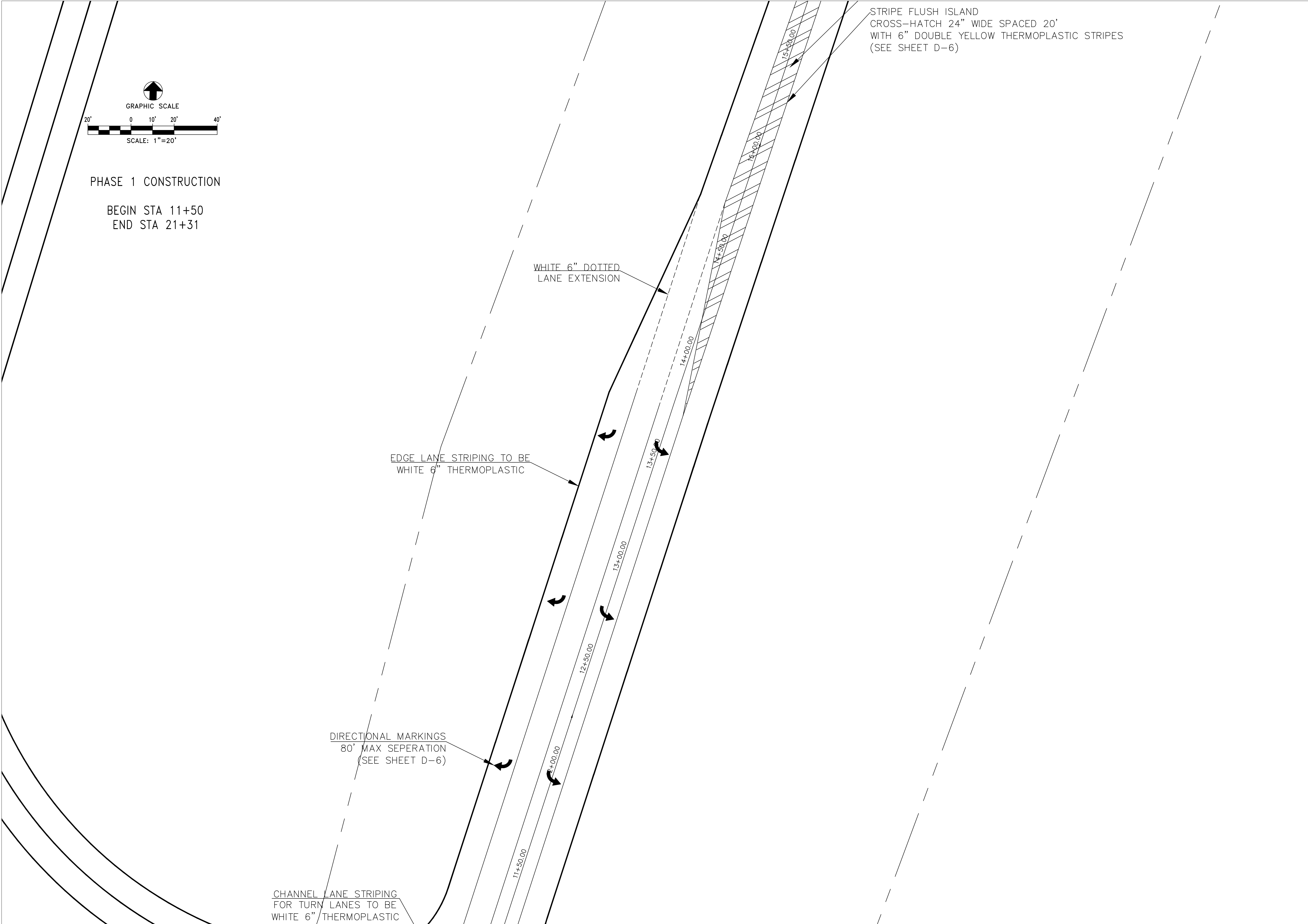


**Engineers
Architects
Planners**

OF KENTUCKY, INC.

624 Wellington Way
Lexington, KY 40503
www.nselex.com

Phone: (859)223-5694
Fax: (859)223-2607



PHASE 1 CONSTRUCTION
BEGIN STA 11+50
END STA 21+31

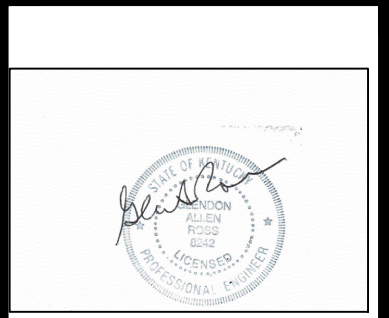
STRIPE FLUSH ISLAND
CROSS-HATCH 24" WIDE SPACED 20'
WITH 6" DOUBLE YELLOW THERMOPLASTIC STRIPES
(SEE SHEET D-6)

WHITE 6" DOTTED
LANE EXTENSION

EDGE LANE STRIPING TO BE
WHITE 6" THERMOPLASTIC

DIRECTIONAL MARKINGS
80' MAX SEPERATION
(SEE SHEET D-6)

CHANNEL LANE STRIPING
FOR TURN LANES TO BE
WHITE 6" THERMOPLASTIC



STRIPING AND SIGNAGE PLAN
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	DATE	REVISION	BY
DESIGNED BY MSE			
DRAWN BY CRH			
CHECKED BY GAR			
REVIEWED BY GAR			
DATE	APRIL 2026		
SCALE	1" = 20'		



**Engineers
Architects
Planners**
OF KENTUCKY, INC.

624 Wellington Way
Lexington, KY 40503
www.mseinc.com

Phone: (859)223-5684
Fax: (859)223-2607



STRIPE FLUSH ISLAND
CROSS-HATCH 24" WIDE SPACED 20'
WITH 6" DOUBLE YELLOW THERMOPLASTIC STRIPES
(SEE SHEET D-6)

PROPOSED CROSS HATCHING

STRIPE FLUSH ISLAND
CROSS-HATCH 24" WIDE SPACED 20'
WITH 6" DOUBLE YELLOW THERMOPLASTIC STRIPES
(SEE SHEET D-6)

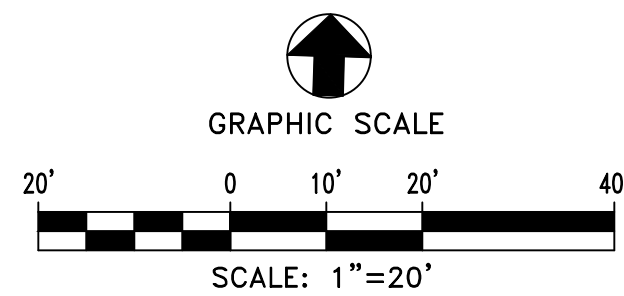
[illegible]

nsc
OF KENTUCKY, INC.

Engineers
Architects
Planners

624 Wellington Way
Columbus, KY 40003
www.nsket.com

Phone: (609) 223-5884
Fax: (609) 223-2607



PHASE 1 CONSTRUCTION

BEGIN STA 11+50
END STA 21+31

INTERSECTION SIGN W2-1 36X36
STA 18+70 (SEE SHEET D-2)

STRIPE FLUSH ISLAND
CROSS-HATCH 24" WIDE SPACED 20'
WITH 6" DOUBLE YELLOW THERMOPLASTIC STRIPES
(SEE SHEET D-6)



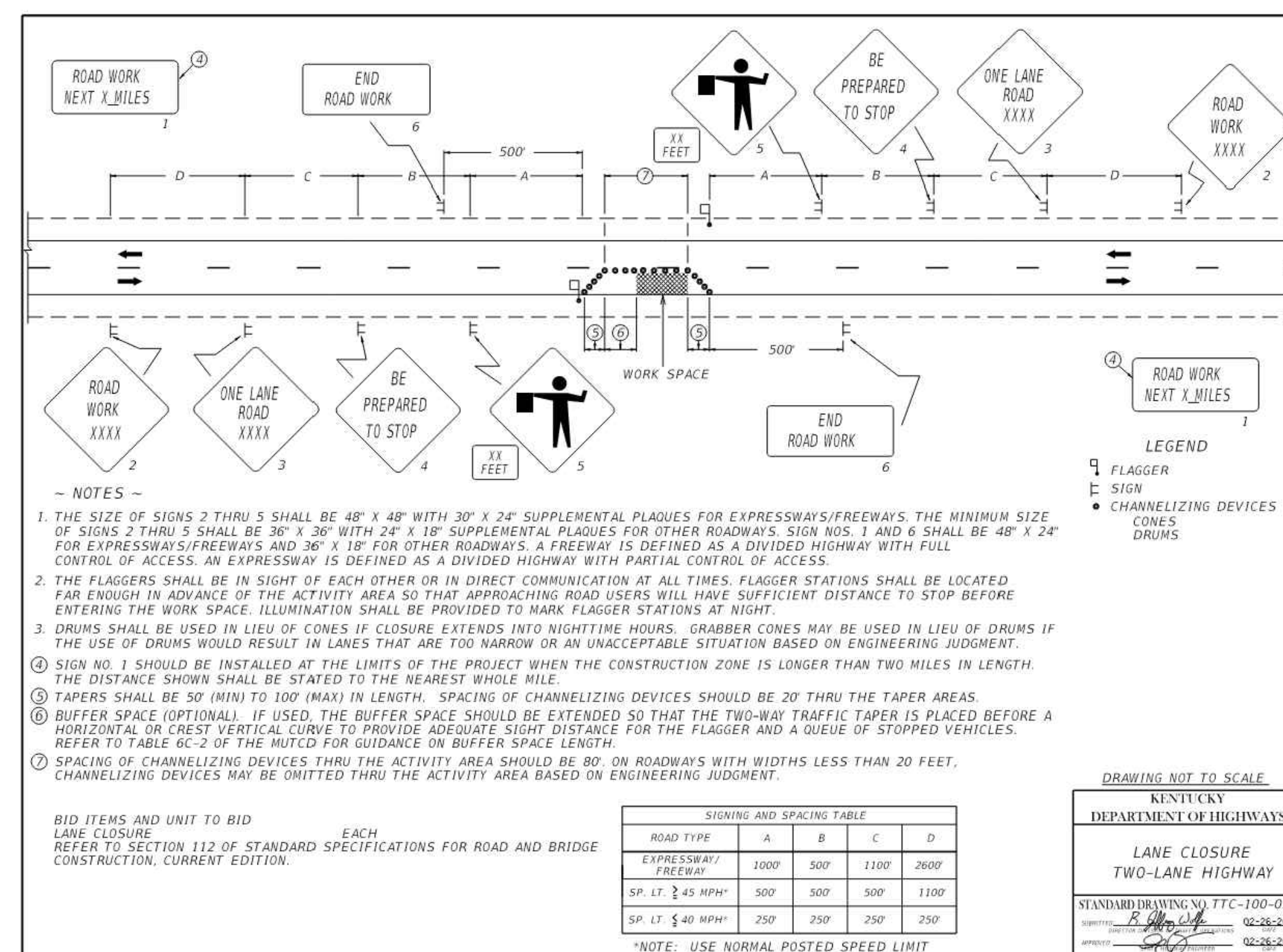
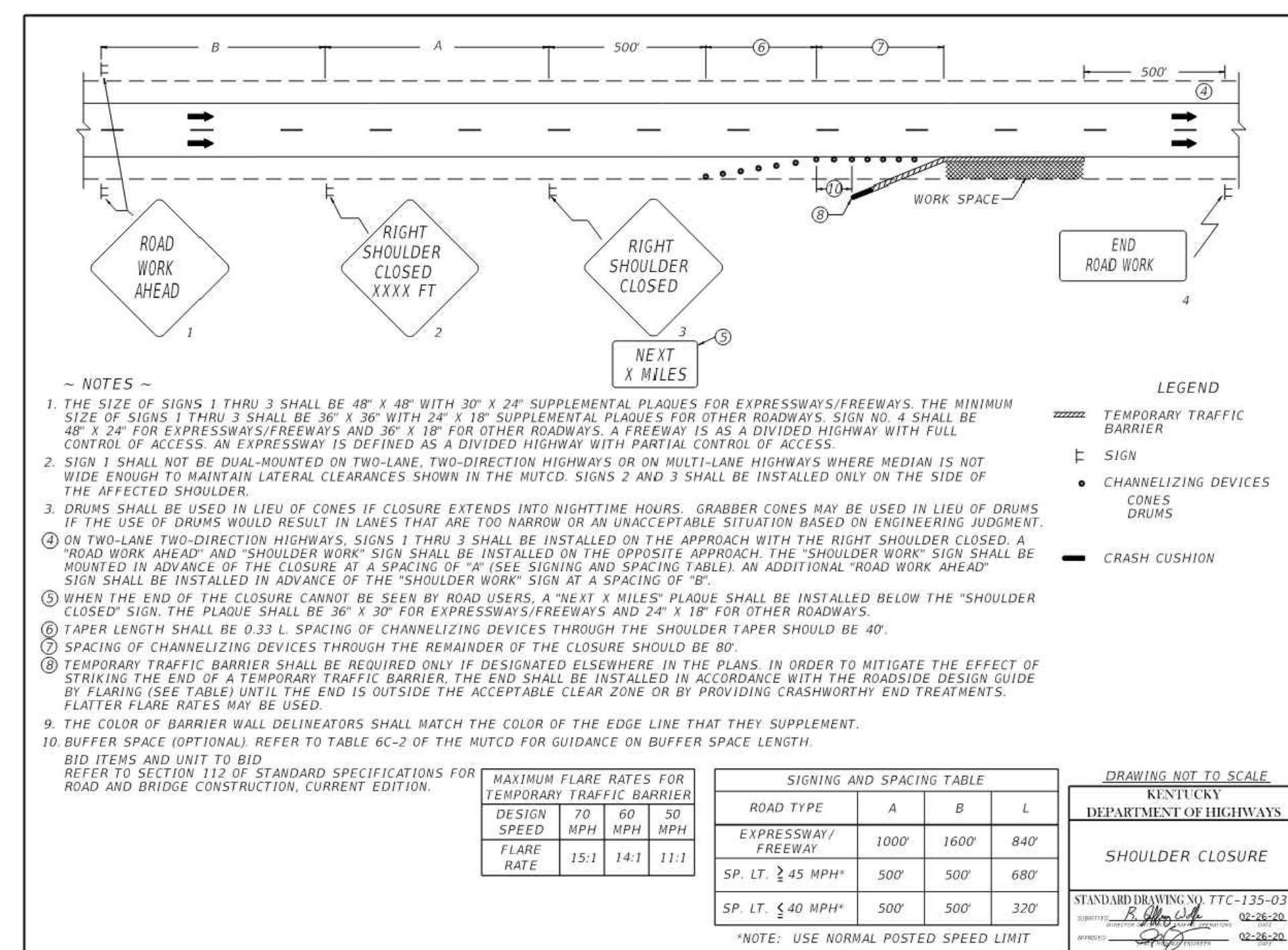
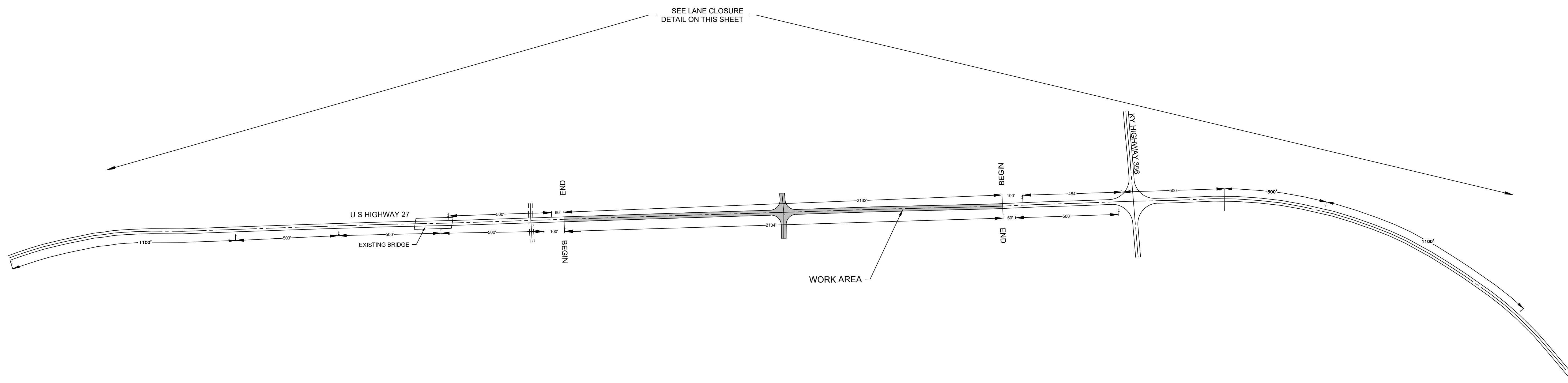
STRIPING AND SIGNAGE PLAN
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

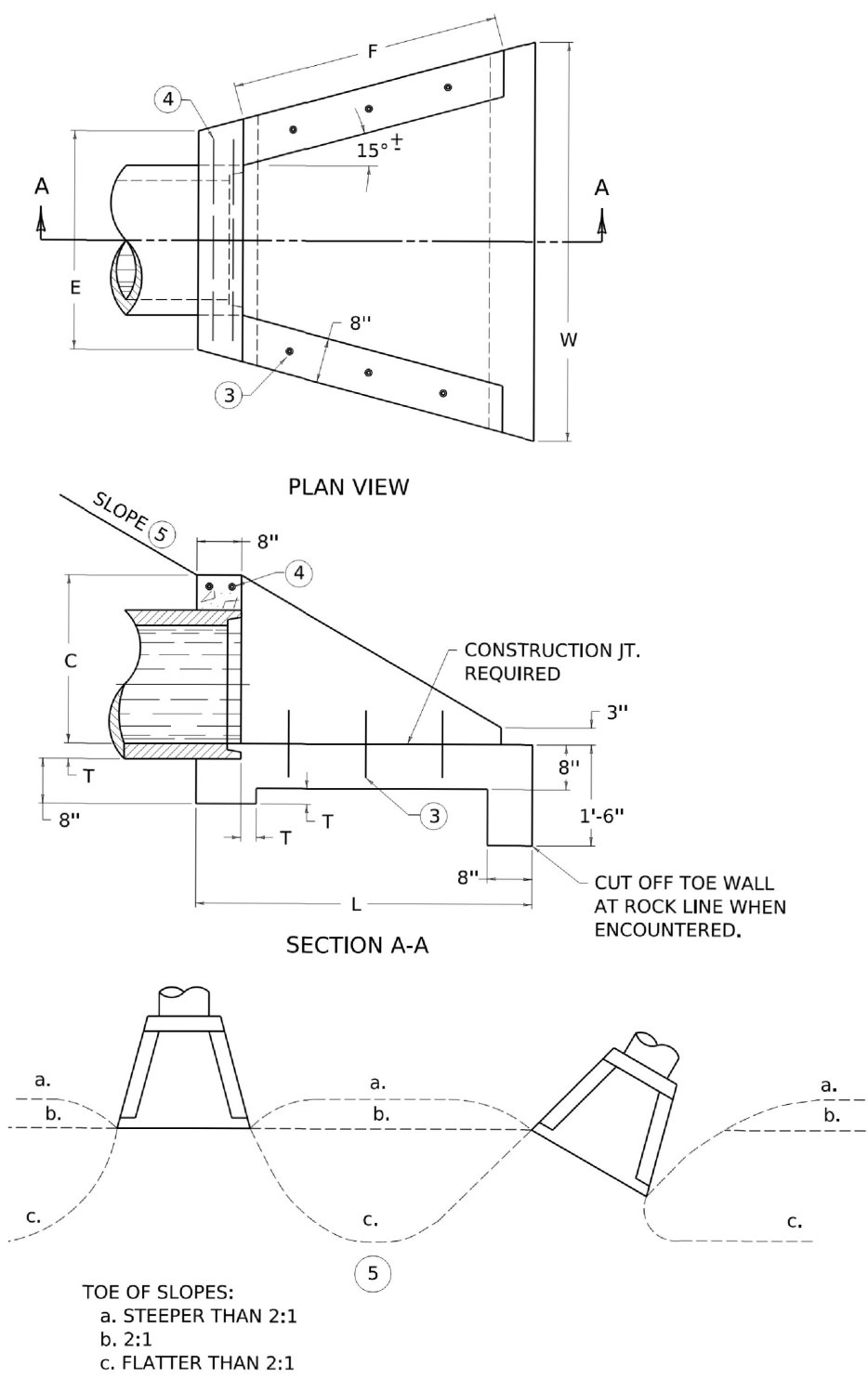
PROJECT NO.	DATE	REVISION	BY
DESIGNED BY MSE			
DRAWN BY CRH			
CHECKED BY GAR			
REVIEWED BY GAR			
DATE	APRIL 2026		
SCALE	1" = 20'		

mse OF KENTUCKY, INC.
Engineers
Architects
Planners
624 Wellington Way
Lexington, KY 40503
www.mselex.com
Phone: (859)223-5694
Fax: (859)223-2607

DRAWING NO.
C-13
SHEET OF

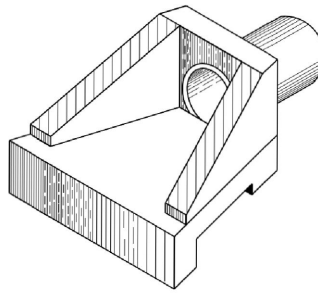
DESIGN DOCUMENTS: These drawings, and all responsibility and liability, for problems which arise from failure to follow these plans, specifications and the design letter they convey.
COPYRIGHT © This document contains subject matter considered confidential by MSE of Kentucky, Inc. and as such, it is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of MSE of Kentucky, Inc.
MSE of Kentucky, Inc. reserves all rights to reproduce the document or any part thereof, or to disclose any information contained therein for any purpose without the written permission of MSE of Kentucky, Inc.





PIPE DIA. OR EQUIV. DIA.	SHAPE	DIMENSIONS						CLASS A CONC. C. Y.	REINP STEEL LBS.
		C	E	F	L	W	T		
12"	9	1'-9"	2'-6"	2'-3"	3'-6"	4'-0"	2"	0.58	7
15"	9	2'-0"	2'-9"	2'-9"	4'-0"	4'-9"	2 1/4"	0.75	
	9	1'-9"	3'-0"	2'-6"	3'-6"	4'-9"		0.68	
18"	9	2'-3"	3'-0"	3'-6"	4'-6"	5'-3"	2 1/2"	0.93	8
	9	2'-0"	3'-6"	3'-0"	4'-0"	5'-6"		0.89	
21"	9	2'-6"	3'-3"	4'-0"	5'-0"	6'-0"	2 3/4"	1.14	
	9	2'-3"	3'-0"	3'-6"	4'-6"	6'-0"		1.07	9
24"	9	2'-9"	3'-6"	4'-6"	5'-6"	6'-6"	3"	1.35	8
	9	2'-6"	4'-0"	4'-0"	5'-0"	6'-9"	3 1/4"	1.30	
27"	9	3'-0"	3'-9"	5'-0"	6'-0"	7'-0"		1.57	9
	9	2'-9"	4'-6"	4'-3"	5'-3"	7'-3"	3 1/2"	1.51	10

- NOTES
- DIMENSIONS AND QUANTITIES ARE BASED ON CONCRETE PIPE AND WILL VARY INSIGNIFICANTLY FOR CORRUGATED METAL PIPE.
 - REINFORCING STEEL : MINIMUM GRADE 40, BARS EVENLY SPACED.
 - 6 - NO. 4 x 1'-0" DOWEL BARS.
 - 2 - NO. 4 x (E DIMENSION MINUS 4").
 - SLOPES SHALL BE WAIVED TO FIT HEADWALL WHEN PIPE IS SKEWED AND/OR NORMAL SLOPE VARIES FROM 2:1.
 - VOLUME DISPLACED BY PIPE COMPUTED USING INSIDE DIAMETER OF PIPE.
 - WING ANGLES AND/OR DIMENSIONS MAY BE ALTERED DURING CONSTRUCTION TO ACCOMMODATE FLOW OF WATER.
 - APRON BETWEEN WINGS SHALL BE SLOPED IN DIRECTION OF FLOW EQUAL TO SLOPE OF PIPE. FRONT FACE OF HEADWALL SHALL REMAIN VERTICAL.
 - HEADWALLS ARE FOR CIRCULAR, ARCH, AND HORIZONTAL ELLIPTICAL 12" TO 27" EQUIVALENT PIPE SIZES. SEE CURRENT STD. DWG. RDH-016, FOR NON-CIRCULAR PIPE EQUIVALENT SIZES.



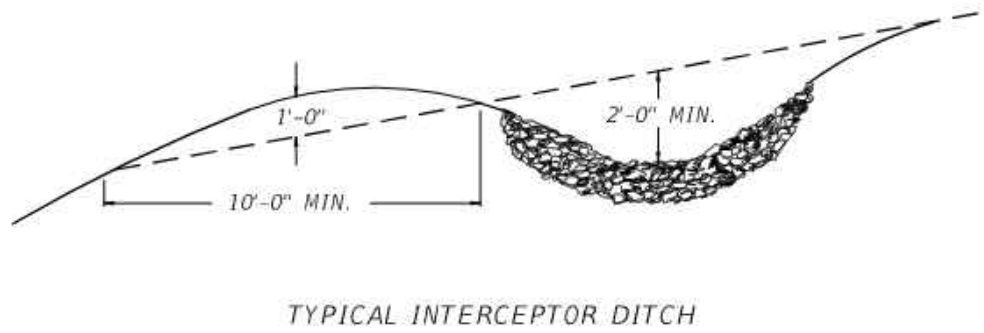
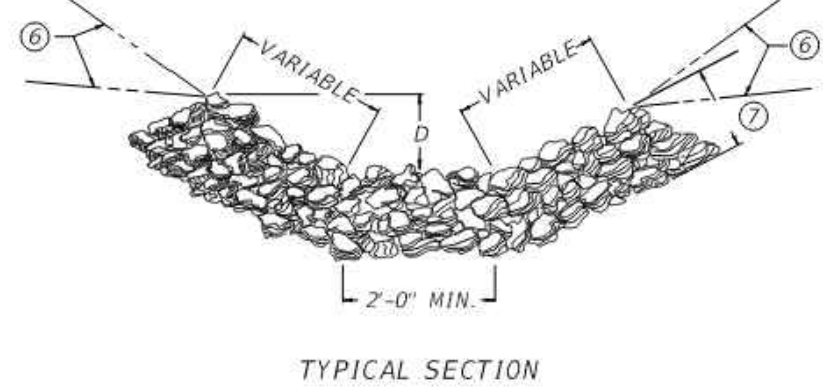
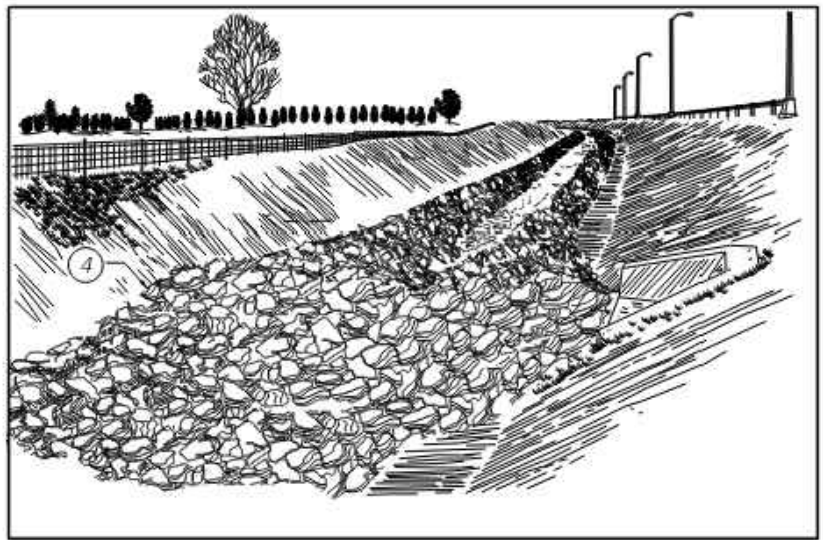
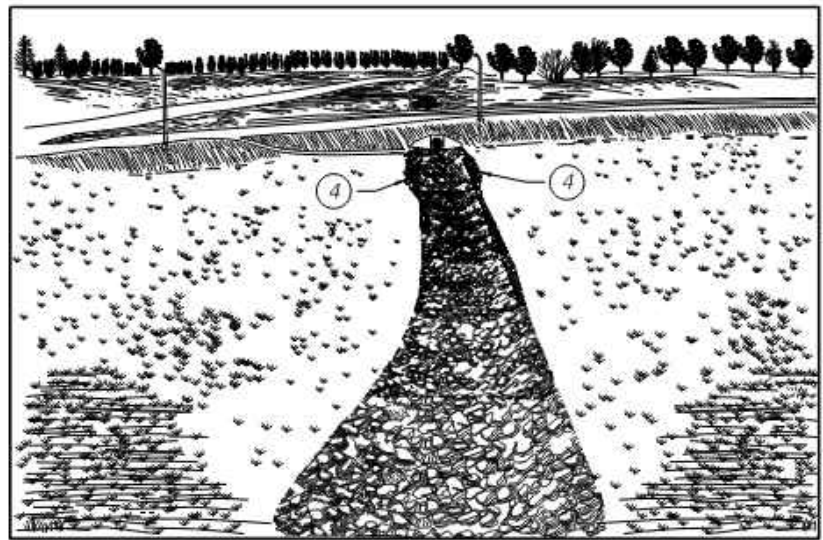
ISOMETRIC VIEW

KENTUCKY
DEPARTMENT OF HIGHWAYS

SLOPED & FLARED
HEADWALLS FOR
12" TO 27" PIPE

STANDARD DRAWING NO. RDH-020-03

DESIGNED BY: DATE: _____
APPROVED: DATE: _____



TYPICAL SECTION

TYPICAL INTERCEPTOR DITCH

~ NOTES ~

- BID ITEMS AND UNIT TO BID:
CHANNEL LINING CLASS II TON
CHANNEL LINING CLASS III TON
- CHANNEL LINING WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR EACH CLASS.
 - CHANNEL LINING WILL NOT BE REQUIRED IN THE BOTTOM OF THE DITCH WHERE SOLID ROCK IS ENCOUNTERED.
 - CHANNEL LINING ESTIMATED ON THE BASIS OF 0.50 TON PER SQ. YD. PER FT. OF DEPTH.
 - WIDEN CHANNEL LINING NEAR OUTLET END OF STRUCTURE AS DIRECTED BY THE ENGINEER.
 - FROM THE TOP OF THE LINING TO THE ORIGINAL GROUNDLINE.
 - ALTERNATE LOCATION OF GROUNDLINE.
 - 15" MIN. CLASS II, OR 24" MIN. CLASS III.
 - D = DEPTH TO PROTECT, T = THICKNESS, (SEE PLAN NOTES FOR THESE VALUES)

KENTUCKY
DEPARTMENT OF HIGHWAYS

CHANNEL LINING
CLASS II AND III

STANDARD DRAWING NO. RDD-040-05

DESIGNED BY: DATE: 12-01-15
APPROVED: DATE: 12-01-15

PROJECT NO.	DATE	REVISION	BY
2088-34			
DESIGNED BY: G.A.R.			J.D.W.
DRAWN BY: J.D.W.			
CHECKED BY: G.A.R.			
REVIEWED BY: G.A.R.			
DATE: APRIL 2026			
SCALE: AS SHOWN			

Engineers
Architects
Planners

msc

OF KENTUCKY, INC.

624 Wellington Way
Lexington, Ky 40503
www.mslex.com

Phone: (859)223-5684
Fax: (859)223-2607

DRAWING NO.

D-1

SHEET OF

DRAINAGE DETAILS

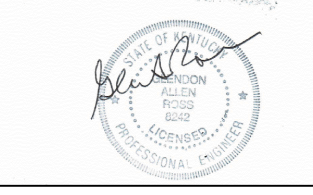
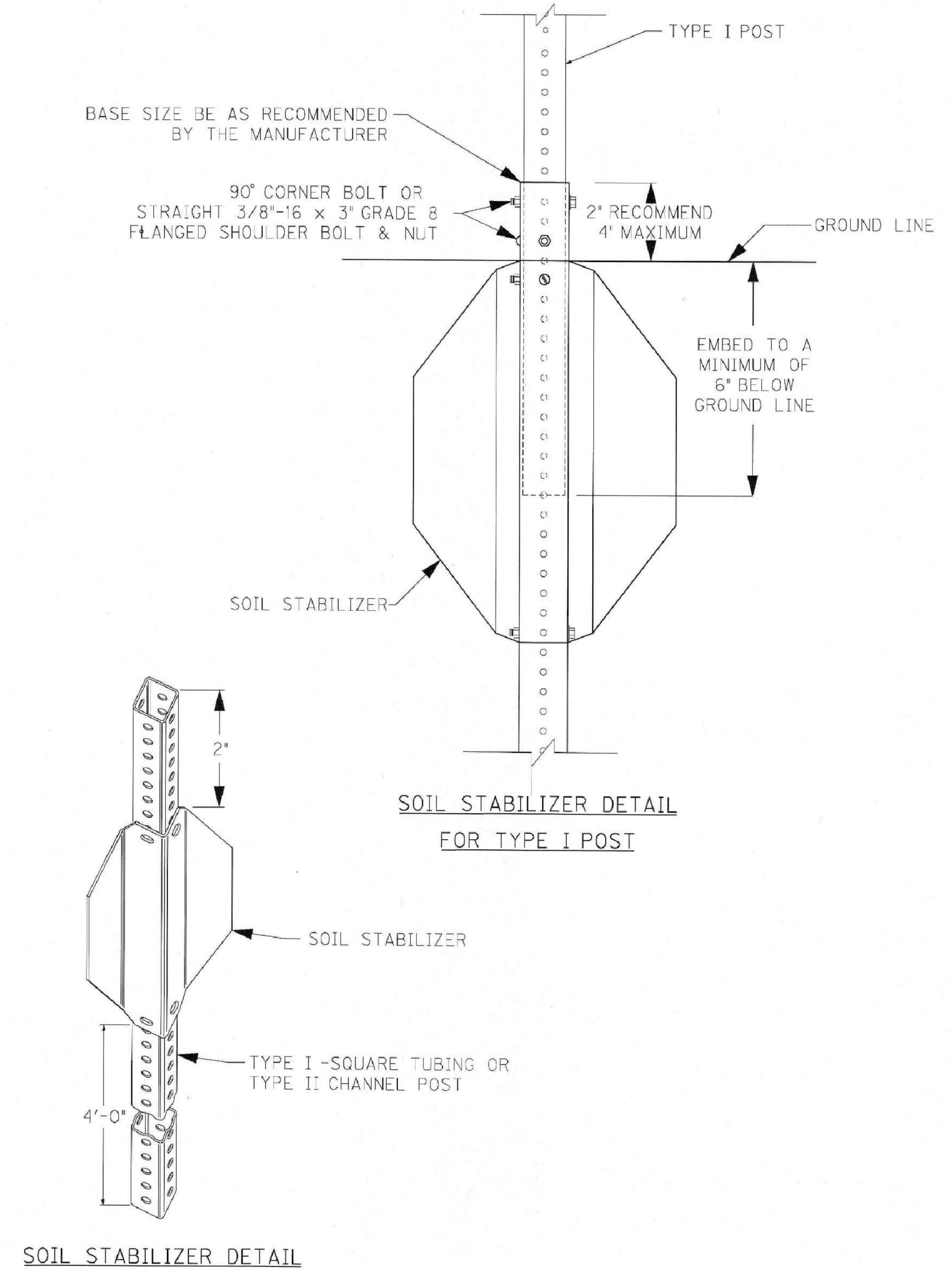
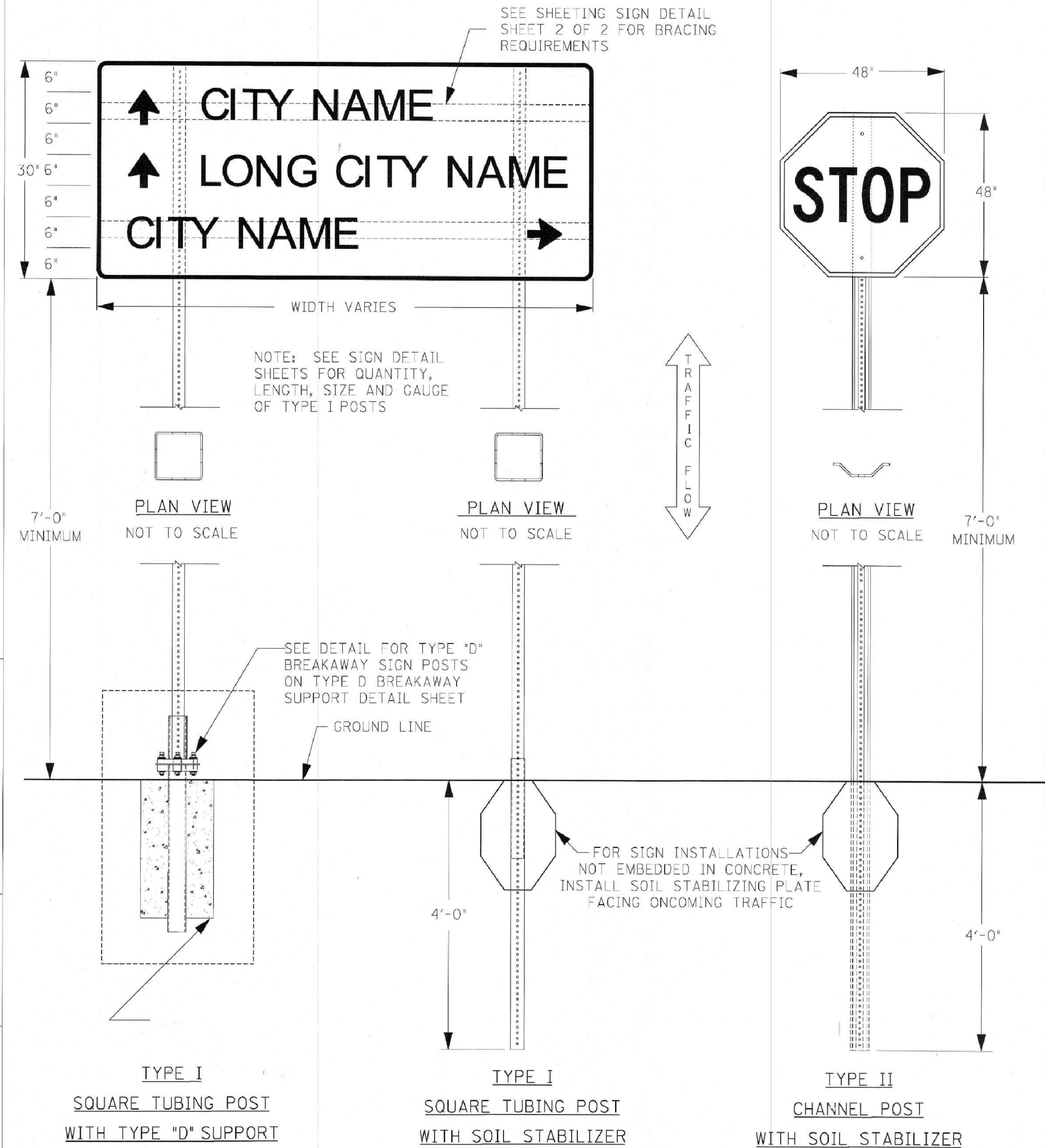
U.S. 27 BYPASS TURN LANES

AT

HARRISON COUNTY - CYNTHIANA

EDA PROPERTY

HARRISON COUNTY, KENTUCKY



SIGNAGE DETAILS
U.S. 27 BYPASS TURN LANES
AT
HARRISON COUNTY - CYNTHIANA
EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	2088-34	DATE	BY	REVISION
DESIGNED BY:	G.A.R.		J.D.W.	
DRAWN BY:	J.D.W.			
CHECKED BY:	G.A.R.			
REVIEWED BY:	G.A.R.			
DATE:	APRIL 2026			
SCALE:	AS SHOWN			

mse
OF KENTUCKY, INC.
Engineers
Architects
Planners
624 Wellington Way
Lexington, Ky. 40503
Phone: (859)223-5694
Fax: (859)223-2607
www.mselex.com

DRAWING NO.

D-2

SHEET OF

SIGN DETAILS

SIGNING SPECIFICATION NOTES

THE FOLLOWING PUBLICATIONS ARE APPLICABLE TO THE WORK DESCRIBED HEREIN:

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

SCOPE OF WORK

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

SIGN SUBSTRATES

SIGN SUBSTRATES SHALL CONFORM TO SECTION 833 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. PANEL SIGNS SHALL BE LABELED AS P-*, SHEETING SIGNS SHALL BE LABELED AS S-*,

SIGN MATERIALS

SIGN SHEETING:

SIGN SHEETING SHALL CONFORM TO SECTION 830 OF KENTUCKY'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (CURRENT EDITION) AND THESE PLANS. ONLY SHEETING ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED.

ALL RETROREFLECTIVE MATERIALS SHALL BE FABRICATED AND ASSEMBLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS AND/OR RECOMMENDATIONS.

PERMANENT SIGNS AND SIGN COMPONENTS SHALL BE FABRICATED USING TYPE XI SHEETING:

- THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT YELLOW SHEETING:
- HORIZONTAL ALIGNMENT SIGNS AND PLAQUES
 - ALL ADVISORY SPEED PLAQUES
 - WARNING MESSAGES ON PANEL SIGNS

- THE FOLLOWING SIGNS SHALL BE FABRICATED USING TYPE XI FLUORESCENT YELLOW-GREEN SHEETING:
- ALL SCHOOL AND SCHOOL BUS WARNING SIGNS.
 - BICYCLE WARNING SIGNS AND 'SHARE THE ROAD' PLAQUES OR DIAGONAL DOWNWARD POINTING ARROW PLAQUES THAT SUPPLEMENT BICYCLE WARNING SIGNS.
 - PEDESTRIAN WARNING SIGNS AND DIAGONAL DOWNWARD POINTING ARROW PLAQUES THAT SUPPLEMENT PEDESTRIAN WARNING SIGNS
 - IN-STREET PEDESTRIAN CROSSING (R1-6) SIGNS AND OVERHEAD PEDESTRIAN CROSSING (R1-9) SIGNS
 - SUPPLEMENTAL PLAQUES TO ANY OF THE PREVIOUSLY LISTED FLUORESCENT YELLOW-GREEN SIGNS LISTED ABOVE

ALL OTHER PERMANENT SIGNS (INCLUDING THE BACKGROUNDS OF PANEL SIGNS) SHALL BE FABRICATED USING TYPE XI SHEETING.

LETTERS, SYMBOLS, AND BORDERS:

PANEL OVERLAY SECTIONS SHALL BE AFFIXED WITH A 'POP' RIVET WITH A MINIMUM DIAMETER OF 3/16 INCH, AND THE LENGTH SHALL BE AS NECESSARY TO PROPERLY APPLY COPY IN A WORKMANLIKE MANNER.

HARDWARE:

ALL HARDWARE FOR THE ASSEMBLY OF PANEL SIGNS AND THE ATTACHMENT OF THESE SIGNS TO THEIR SUPPORTS SHALL BE AS RECOMMENDED BY THE PANEL MANUFACTURER. PLACEMENT OF POST CLIP SHALL BE AS SHOWN ON THE SIGNING MISCELLANEOUS DETAIL SHEET.

ALL HARDWARE FOR THE ERECTION OF SHEETING SIGNS SHALL BE CADMIUM PLATED STEEL IN ACCORDANCE WITH ASTM B-776 AND ASTM A-307.

FONTS:

STANDARD ALPHABETS SHALL BE USED FOR ALL LEGENDS ON PANEL GUIDE SIGNS.

GROUND-MOUNTED SIGN SUPPORTS

GENERAL:

ALL SIGNS SHALL BE POSITIONED AS SHOWN ON THE POSITIONING DETAIL SHEET. ALL BEAMS AND POSTS SHALL BE OF SUFFICIENT LENGTHS TO EXTEND FROM THE TOP OF THE SIGN TO THE REQUIRED BASE EMBEDMENT. EXISTING I-BEAMS ON WHICH SHEETING SIGNS ARE ATTACHED SHALL BE REMOVED AND REPLACED WITH TYPE I OR TYPE II POSTS, UNLESS THEY ARE LOCATED BEHIND GUARDRAIL.

BEAMS:

ALL BEAMS SHALL BE EITHER TYPE 'A' (STANDARD BEAM INSTALLATION) OR TYPE 'C' (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). TYPE 'A' BEAMS ARE SHOWN ON THE PANEL SIGN DETAIL SHEET, AND THE TYPE 'C' BEAMS ARE SHOWN ON THE BREAKAWAY SIGN SUPPORT SYSTEM FOR 'C' BEAM SHEET. ONLY BREAKAWY (TYPE 'C') BEAM SUPPORT SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. THE TYPE AND SIZE OF BEAM TO BE USED SHALL BE INDICATED FOR EACH PANEL SIGN ON THE SIGN DETAIL SHEETS. BEAM LENGTHS INCLUDED IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY. THE CONTRACTOR SHALL TAKE FIELD MEASUREMENTS AT EACH SIGN LOCATION AND CROSS SECTIONS SHALL BE DEVELOPED TO VERIFY BEAM LENGTHS, WITH ANY DISCREPANCIES BROUGHT TO THE ATTENTION OF THE ENGINEER FOR RESOLUTION.

STEEL POSTS:

TYPE I STEEL POSTS SHALL BE EITHER STANDARD INSTALLATION IN SOIL, WITH SOIL STABILIZER, OR TYPE 'D' (BREAKAWAY SIGN POST SUPPORT SYSTEM INSTALLATION). ONLY BREAKAWAY TYPE 'D' POST SYSTEMS ON THE DEPARTMENT'S LIST OF APPROVED MATERIALS SHALL BE USED. BRACING, IF REQUIRED, SHALL BE INCIDENTAL TO TYPE I POST.

TYPE II POST SHALL BE STANDARD INSTALLATION IN SOIL WITH A SOIL STABILIZER. INSTALLATION PROCEDURES AND BRACING REQUIREMENTS ARE DETAILED ON THE SHEETING SIGN DETAIL SHEET.

ALL STEEL POSTS SHALL MEET THE REQUIREMENTS OF SECTION 832 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

MILEPOST MARKERS AND ENHANCED REFERENCE MARKERS

MILEPOST MARKERS AND ENHANCED REFERENCE LOCATION SIGNS SHALL CONFORM TO THE GENERAL REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION). ADDITIONAL REQUIREMENTS ARE GIVEN ON THE SIGNING POSITIONING DETAIL SHEET AND ENHANCED REFERENCE LOCATION SIGNS DETAIL SHEET.

FOR THE LOUISVILLE AREA, FINAL LOCATION OF ENHANCED REFERENCE LOCATION SIGNS SHALL BE VERIFIED BY TRIMARC. NOTIFY A REPRESENTATIVE OF TRIMARC AT LEAST TWO WEEKS IN ADVANCE OF BEGINNING WORK ON THIS ITEM:

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

MEDIAN CROSSOVER SIGNS

THE CONTRACTOR SHALL INSTALL 48" X 48", 'NO U TURN' SIGNS (R3-4) AT EACH MEDIAN CROSSOVER. THIS IS TO BE DONE WHETHER ALL NEEDED INSTALLATIONS ARE MENTIONED IN THE FOLLOWING SHEETS OR NOT. AT CROSSOVERS ON MEDIANS SIXTY FEET (60') WIDE OR LESS, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON THE SAME POSTS IN THE CENTER OF THE MEDIAN, ONE FACING TRAFFIC IN EACH DIRECTION. AT CROSSOVERS ON MEDIANS OVER SIXTY FEET (60') WIDE, THE SIGNS SHALL BE MOUNTED PERPENDICULAR TO THE ROADWAY ON SEPARATE POSTS AT THE MEDIAN SHOULDER ON THE FAR SIDE OF THE CROSSOVER, ONE FACING TRAFFIC IN EACH DIRECTION. FOR ADDITIONAL GUIDANCE, SEE SEPIA DRAWING FOR FLEXIBLE DELINEATOR POST ARRANGEMENT FOR INTERCHANGE RAMPs AND CROSSOVERS.

CONCRETE BASES

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

CONCRETE BASES (CONTINUED)

WHERE THE REMOVAL OF OVERHEAD STRUCTURE CONCRETE BASE IS CALLED FOR, THE BASE IS TO BE REMOVED TO A MINIMUM OF ONE FOOT (1') BELOW THE GROUND LINE, BACKFILLED TO EXISTING GROUND LINE, AND THE DISTURBED AREAS RESEDED.

WHERE THE REMOVAL OF BEAM SIGN SUPPORTS IS CALLED FOR, THE BEAM AND ANY CONCRETE PROJECTING ABOVE THE GROUND LINE ARE TO BE CUT OFF A MINIMUM OF ONE FOOT (1') BELOW EXISTING GROUND LINE OR THE ENTIRE BEAM AND CONCRETE BASE ARE TO BE REMOVED COMPLETELY AND BACKFILLED TO EXISTING GROUND LINE.

SAMPLES, TESTING, ETC.

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

MISCELLANEOUS

THE COST FOR REMOVING EXISTING PANEL SIGNS SHALL BE INCIDENTAL TO THE COST OF THE PROJECT.

ON SHEETING SIGNS WHERE THERE ARE MORE THAN ONE SIGN ASSEMBLY MOUNTED BESIDE EACH OTHER, THE POSTS SHALL BE SPACED TO PROVIDE APPROXIMATELY SIX INCHES (6") OF SPACING BETWEEN SIGNS.

CLEARING AND GRUBBING, AND TREE TRIMMING, WHEN REQUIRED FOR CONSTRUCTION OR VISIBILITY OF SIGNS, SHALL BE INCIDENTAL TO THE CONTRACT.

SIGN COVERING IS NOT RECOMMENDED. HOWEVER, IF IT IS ABSOLUTELY NECESSARY TO COVER THE SIGN FACE TEMPORARILY FOLLOWING ERECTION, USE CAUTION SINCE SOME COVERINGS MAY CAUSE PERMANENT DAMAGE TO THE SIGN FACE FOLLOWING EXPOSURE TO MOISTURE, SUNLIGHT, ETC. POROUS CLOTH OR GEOTEXTILE FABRIC COVERS WHICH ARE FOLDED OVER THE SIGN EDGES AND SECURED AT THE BACK OF THE SIGN HAVE BEEN USED SUCCESSFULLY FOR LIMITED PERIODS. DO NOT USE TAPE, PAPER, PLASTIC, OR SHEET METAL COVERS. ANY SIGNS THAT ARE DAMAGED AS A RESULT OF COVERING SHALL BE REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE DEPARTMENT.

TYPE I AND II STEEL POSTS IN SOIL SHALL BE DRIVEN 32" TO 34" BELOW THE GROUND LINE AS SHOWN. HOWEVER, IF SOLID ROCK IS ENCOUNTERED, THE CONTRACTOR SHALL DRILL HOLES OF THE REQUIRED DEPTH INTO THE ROCK AND BACKFILL WITH CONCRETE. THE COST SHALL BE INCIDENTAL TO STEEL POST, AND SOIL STABILIZERS WILL NOT BE REQUIRED.

ANY AREA DISTURBED SHALL BE SIDE GRADED TO THE EXISTING SLOPES AND RESEDED AS DIRECTED BY THE ENGINEER, AT NO ADDITIONAL COST TO THE DEPARTMENT.

REMOVE AND DO NOT REPLACE THE WHITE ON BLUE GENERAL SERVICES SIGNS AT THE EXIT RAMP TERMINALS, "EMERGENCY STOPPING ONLY" SIGNS, AND THE ROUTE MARKER THAT IS LOCATED INSIDE THE INTERCHANGE PAST THE EXIT GORE AREA.

INSTALLATION OF ADVISORY EXIT AND RAMP SPEED SIGNS (W13-2 AND W13-3) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).

ALL EXISTING SHEETING SIGNS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REMOVED AND REPLACED WITH NEW SIGNS AND POSTS. SIGNS AND POSTS SHALL CONFORM TO CURRENT STANDARDS/SPECIFICATIONS. THE COST FOR REMOVING EXISTING SHEETING SIGNS AND POSTS, RELOCATING EXISTING SIGNS AND POSTS TO CONFORM TO THE SIGNING PLANS AND SPECIFICATIONS, AND ALL HARDWARE REQUIRED, SHALL BE INCIDENTAL TO THE PROJECT. IN ADDITION TO REPLACING ALL EXISTING SIGNS, ALL SIGNS SHOWN ON THE SIGNING PLANS MUST BE INSTALLED. FOR SIGN SIZES AND SPECIFICATIONS, SEE THE CURRENT PROJECT SIGNING PLAN DETAIL SHEETS.

THE COST FOR SIGN BRACKETS AND ANY OTHER HARDWARE REQUIRED TO ATTACH NEW SIGNS ON EXISTING TRUSSES AND CANTILEVERS SHALL BE INCLUDED IN THE UNIT PRICE OF SIGN BASE MATERIAL FOR PANEL SIGNS.

DUPLICATE SIGNS SHALL NOT BE DISPLAYED DURING THE CONSTRUCTION OF THIS PROJECT.

SHEETING SIGNS (D1-1, D1-2, D1-3) EQUAL TO OR LESS THAN 72" X 42" REQUIRE TWO TYPE I OR TYPE II POSTS.

THE HORIZONTAL CLEARANCE "X" ON ALL THE SHEETING SIGNS SHOULD BE A MINIMUM OF 6' FROM THE EDGE OF THE SHOULDER TO THE EDGE OF THE SIGN OR A MINIMUM OF 12' FROM THE EDGE OF THE SIGN TO THE EDGE OF THE TRAVELLED WAY AS SHOWN IN THE SIGNING POSITIONING DETAIL SHEET.

IF ANY SIGN IS LOCATED NEAR A LUMINAIRE OR ANOTHER POLE, IT SHALL BE INSTALLED IN ADVANCE OF THE POLE SO THAT THE MOTORISTS VIEW OF THE SIGN WILL NOT BE OBSTRUCTED.

SIGNS THAT DO NOT COMPLY WITH THE MUTCD SHALL BE REMOVED BY THE CONTRACTOR AS APPROVED AND DIRECTED BY THE ENGINEER.

COUNTY OF	ITEM NO.	SHEET NO.
---	---	T002

SIGNING SPECIFICATION SHEET

SIGN DETAILS



SIGNAGE DETAILS
U.S. 27 BYPASS TURN LANES
AT
HARRISON COUNTY - CYNTHIANA
EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.	2088-34	DATE	BY	REVISION	DATE	BY
DESIGNED BY:	G.A.R.					
DRAWN BY:	G.A.R.					
CHECKED BY:	G.A.R.					
REVIEWED BY:	G.A.R.					
DATE:	APRIL 2026					
SCALE:	AS SHOWN					

Engineers
Architects
Planners
mse
OF KENTUCKY, INC.
Phone: (859) 223-5894
Fax: (859) 223-2807
824 Wellington Way
Lexington, KY 40503
www.mselex.com

DRAWING NO.

D-3

SHEET OF

Plot Date:

FILE NAME: C:\PWORK\T.D.SWANE\CAR\DM529008\T002 SIGNING GENERAL NOTES.DGN

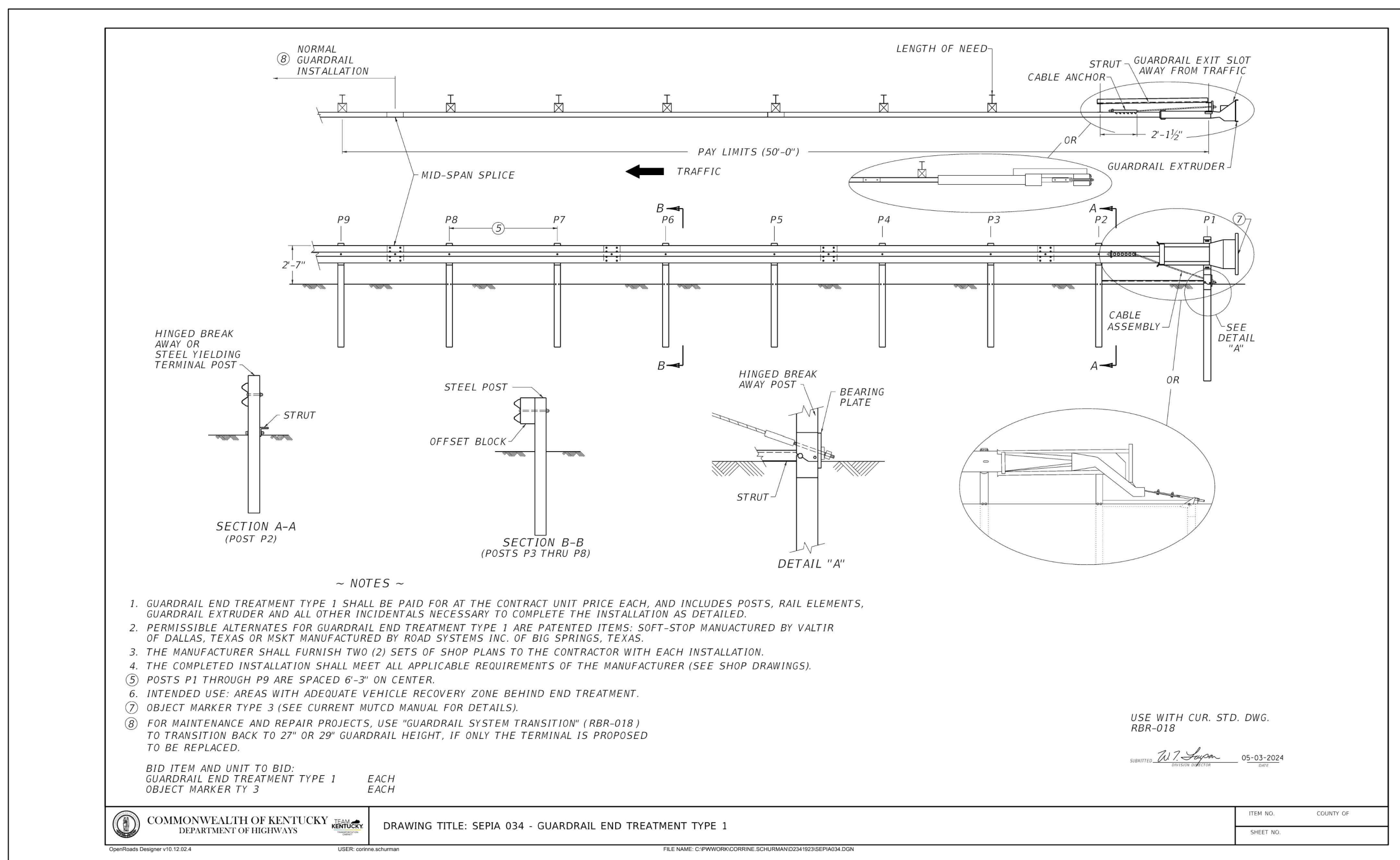
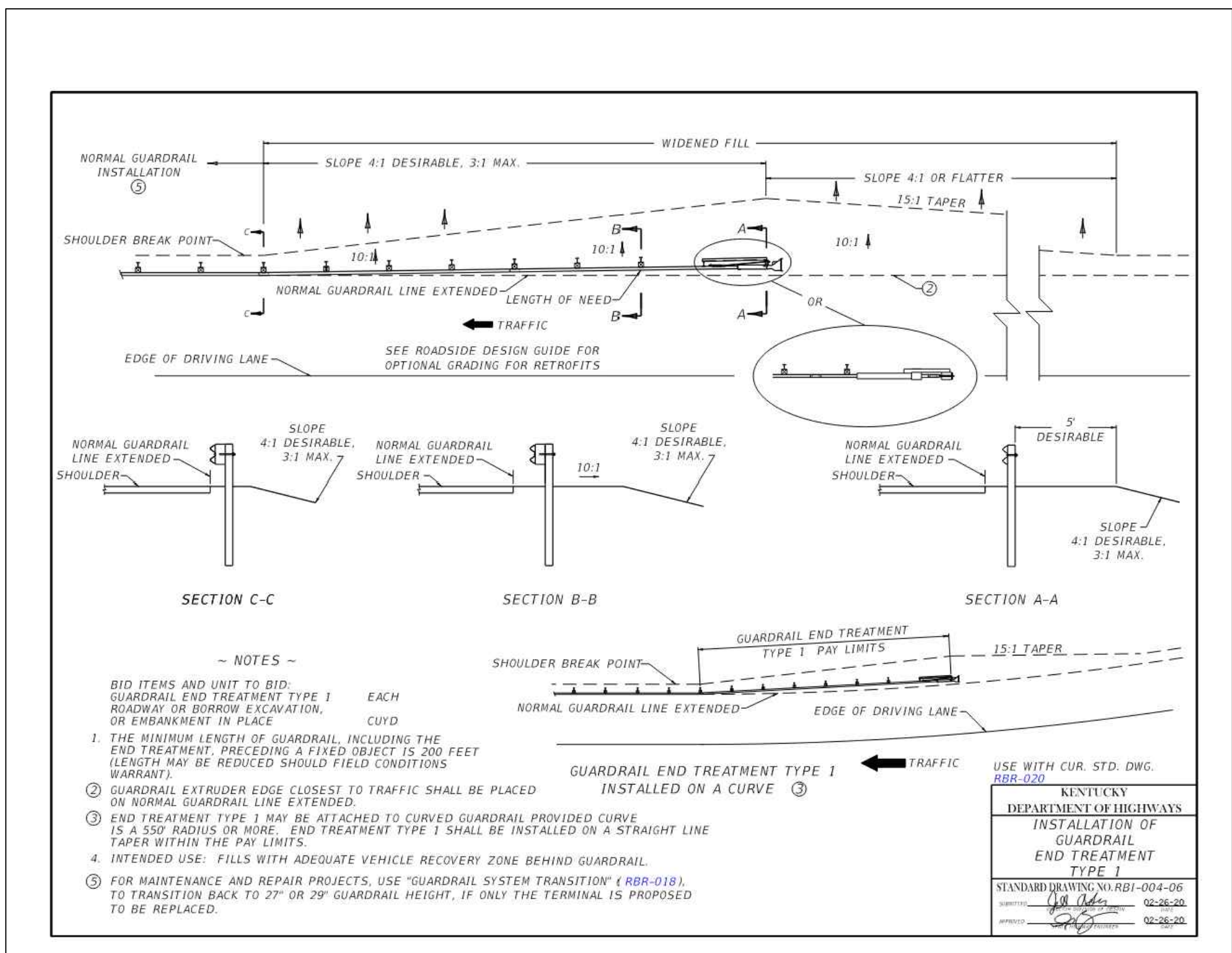
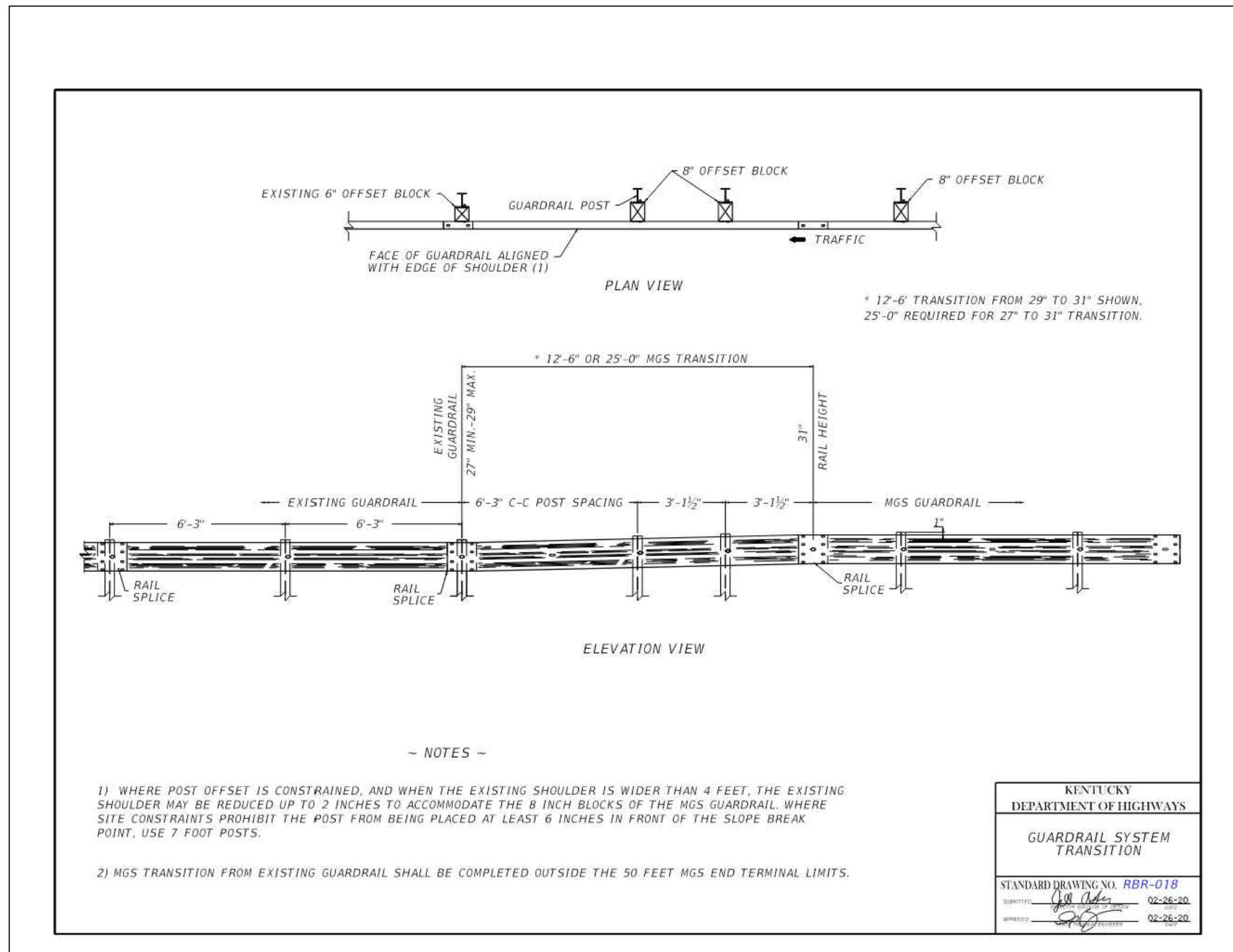
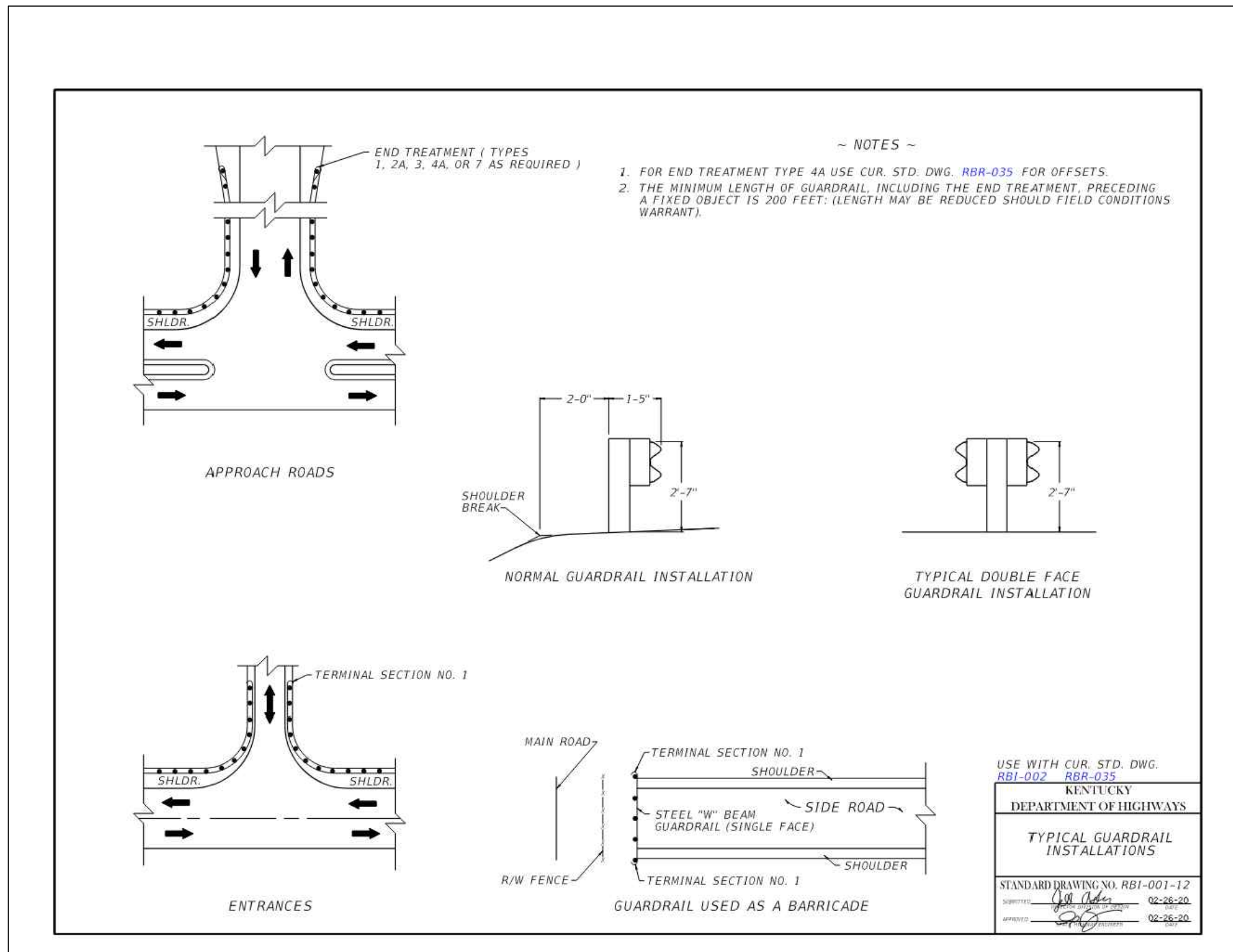
USER: Ted.Swane
DATE PLOTTED: July 6, 2020

E-SHEET NAME:

MicroStation v10.13.1.1

6-24-2020

Plot Date:



GUARDRAIL DETAILS
U.S. 27 BYPASS TURN LANES
AT
HARRISON COUNTY - CYNTHIANA
EDA PROPERTY
HARRISON COUNTY, KENTUCKY

DATE	REVISION	BY
---	---	JDW
PROJECT NO. 2008-34	DESIGNED BY: G.A.R.	
	DRAWN BY: J.D.W.	
	CHECKED BY: G.A.R.	
	REVIEWED BY: G.A.R.	
DATE: APRIL 2026	SCALE: AS SHOWN	

Engineers
Architects
Planners
mse
OF KENTUCKY, INC.
624 Wellington Way
Lexington, KY 40503
Phone: (859)223-6684
Fax: (859)223-2607
www.mselex.com

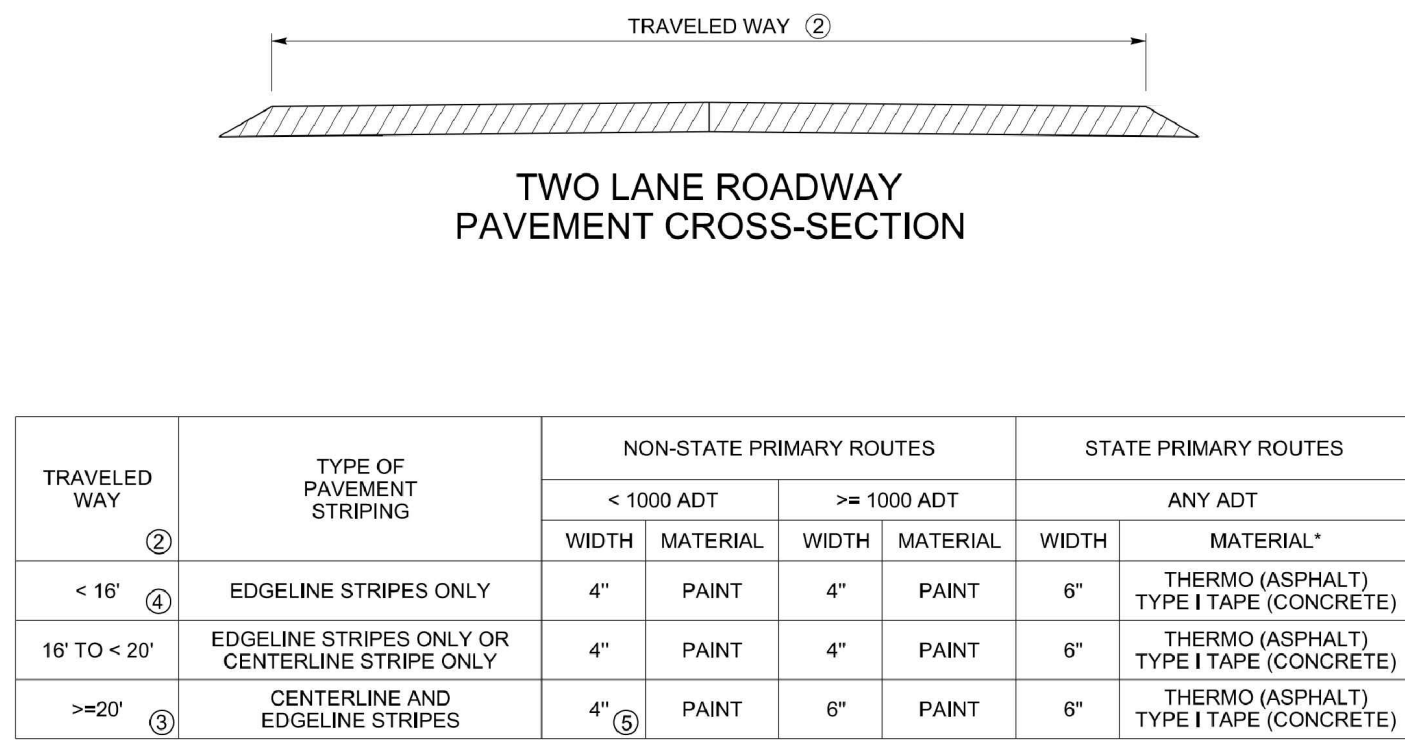
DRAWING NO.

D-4

SHEET OF

GUARDRAIL DETAILS

Plot Date:



- ~ NOTES ~
1. INSTALL PAVEMENT STRIPING ON TWO LANE, TWO WAY ROADWAYS AS DETAILED IN THE ABOVE TABLE AND IN ACCORDANCE WITH THE PAVEMENT MARKINGS AND DELINEATION CHAPTER OF THE TRAFFIC OPERATIONS GUIDANCE MANUAL. CONTACT THE DIVISION OF TRAFFIC OPERATIONS FOR ADDITIONAL GUIDANCE IF NECESSARY.
 2. THE TRAVELED WAY IS THE PORTION OF ROADWAY FOR THE MOVEMENT OF VEHICLES, EXCLUSIVE OF THE SHOULDERS.
 3. ON TWO LANE, TWO WAY ROADWAYS THAT HAVE A TOTAL PAVEMENT WIDTH (W) THAT IS 20 FT OR GREATER, BUT LESS THAN 22 FT, EDGE LINE RUMBLE STRIPS ARE AN OPTIONAL APPLICATION. THE DIVISION OF TRAFFIC OPERATIONS IS AVAILABLE TO ASSIST WITH THE DETERMINATION OF WHETHER OR NOT TO INSTALL EDGE LINE RUMBLE STRIPS ON PAVEMENT WIDTHS LESS THAN 22 FT.
 4. ON TWO LANE, TWO WAY ROADWAYS THAT HAVE A TOTAL PAVEMENT WIDTH (W) THAT IS 22 FT OR GREATER, INSTALL PAVEMENT STRIPING AS DETAILED IN THE ABOVE TABLE AND IN CONJUNCTION WITH THE RUMBLE STRIPS AS DETAILED ON TPR-120 AND TPR-120N.
 5. EDGE LINES MAY BE OMITTED FROM ROADWAYS WITH A TRAVELED WAY WIDTH LESS THAN 16 FEET WITH THE APPROVAL OF THE DIVISION OF TRAFFIC OPERATIONS.
 6. EDGE LINES MAY BE OMITTED ON NON-STATE PRIMARY ROUTES WITH A TRAVELED WAY WIDTH GREATER THAN OR EQUAL TO 20 FEET AND AN ADT LESS THAN 1,000.
 7. EDGE LINES MAY BE OMITTED, BASED ON ENGINEERING JUDGMENT, IN AREAS WHERE THE PAVEMENT EDGE IS DELINEATED BY PHYSICAL OBJECTS SUCH AS CURBS, PARKING SPACES, OR OTHER MARKINGS. EDGE LINES SHOULD BE INSTALLED ON ROADWAYS WITH CURB AND GUTTER IF THE POSTED SPEED LIMIT IS 45 MPH OR GREATER.

DRAWING NOT TO SCALE
USE WITH CUR, STD. DWGS.
TPR-120 & TPR-120N



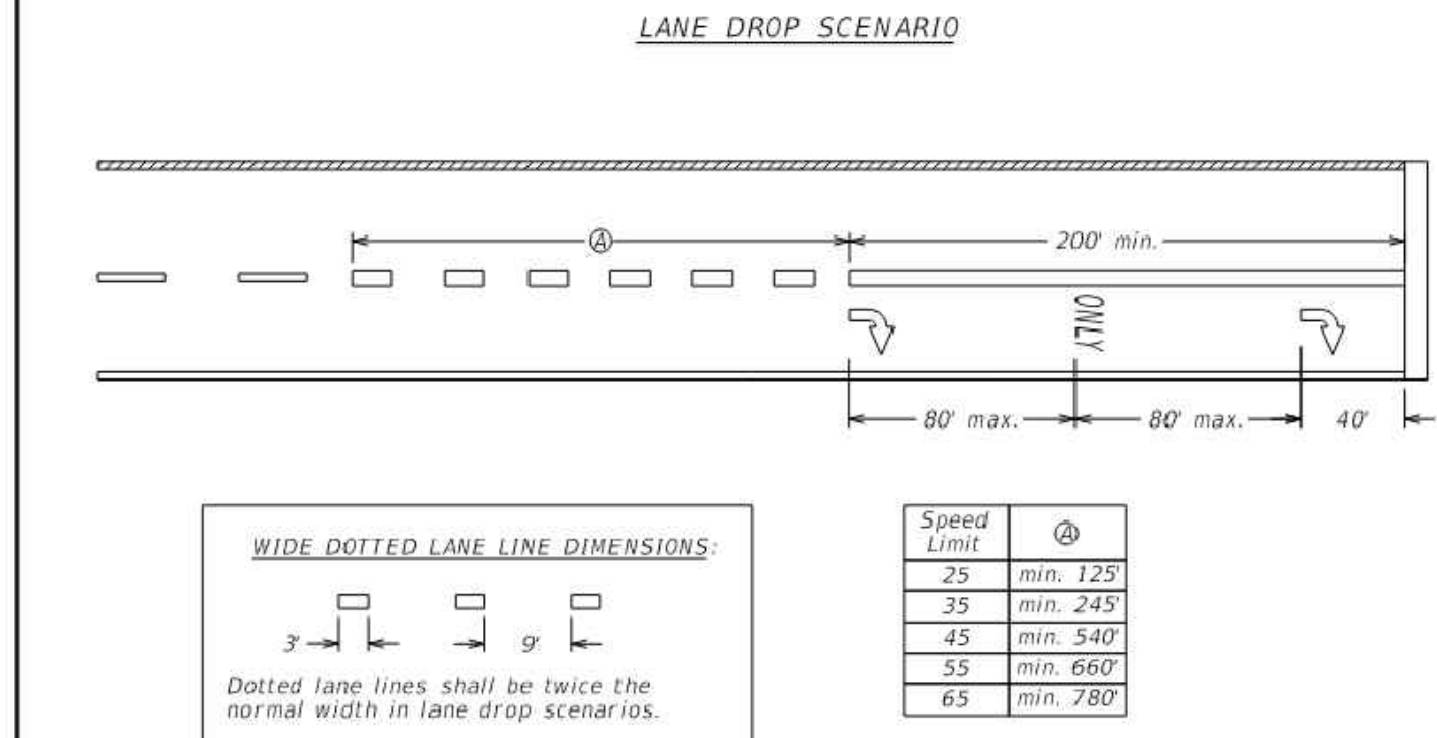
PAVEMENT STRIPING DETAILS FOR TWO LANE TWO WAY ROADWAYS

STANDARD DRAWING NUMBER
TPM-175-01

PERMANENT

REVISION DATE: 08/11/2025
REVISION NUMBER: 0

DESIGNED BY: John Kelly
CHECKED BY: John Kelly
APPROVED BY: John Kelly



LANE DROP MARKINGS NOTES:

IN SITUATIONS WHERE A THROUGH LANE BECOMES A MANDATORY TURN LANE, THE FOLLOWING GUIDELINES APPLY:

- A WIDE SOLID LINE SHOULD EXTEND BACK A MINIMUM OF 200' FROM THE STOP BAR.
- A WIDE, DOTTED LINE SHALL EXTEND FROM THE END OF THE SOLID LINE BACK A MINIMUM OF THE DISTANCE SHOWN IN THE CHART (A). THESE LINES SHALL BE 3' LONG, WITH A SPACE OF 9' BETWEEN LINES.
- ALTERNATING ARROWS AND "ONLY" WORD MESSAGES SHALL BE USED, WITH THE FIRST AND LAST MARKING BEING AN ARROW.
- ALTERNATING ARROWS AND "ONLY" WORD MESSAGES SHOULD BE SPACED EVENLY, FOLLOWING GUIDELINES FOR ARROW SPACING. THESE SYMBOLS SHALL EXTEND BACK AT LEAST TO THE END OF THE SOLID STRIPE, BUT MAY BE EXTENDED BACK FARTHER IF ADDITIONAL GUIDANCE IS NEEDED.

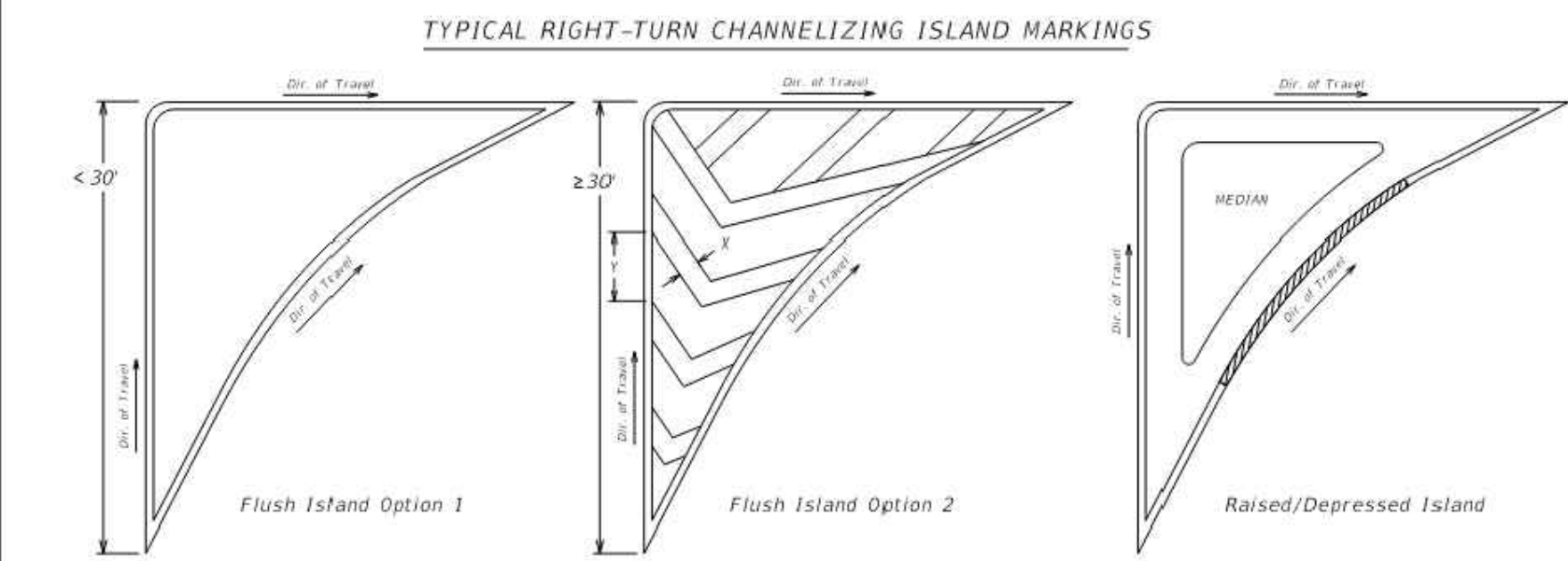
TWO-WAY LEFT-TURN LANE NOTES:

IN A TWO-WAY LEFT-TURN LANE, THE FOLLOWING GUIDELINES APPLY:

1. CONTACT TRAFFIC ENGINEER FOR RECOMMENDED DISTANCE FOR LEFT TURN STORAGE AT INTERSECTIONS.
- ONE SET OF ARROWS SHOULD BE PLACED AT OR NEAR THE BEGINNING OF THE TWO-WAY LEFT-TURN LANE.
- ADDITIONAL SETS OF ARROWS SHOULD BE PLACED THROUGHOUT THE TWO-WAY LEFT-TURN LANE IF LEFT TURN MOVEMENTS ARE EXPECTED. THEY SHOULD BE SPACED NO LESS THAN 300' AND NO MORE THAN 1/2 MILE.
- THE SPACING BETWEEN EACH ARROW IN A SINGLE ARROW SET SHOULD BE 16 FEET.
- TWO-WAY LEFT-TURN LANES SHALL TERMINATE IN A DEDICATED LEFT-TURN LANE AT A SIGNALIZED INTERSECTION. THEY MAY TERMINATE IN A DEDICATED LEFT-TURN LANE AT OTHER LOCATIONS IF DEEMED NECESSARY.
- REFER TO THE TRAFFIC OPERATIONS GUIDANCE MANUAL SECTION 10-504 FOR MORE GUIDANCE ON TWO-WAY LEFT-TURN LANES.

Page 2 of 2
DRAWING NOT TO SCALE

LEGEND
MARKINGS
WHITE
YELLOW



GENERAL NOTES

THE MINIMUM WIDTH (X) OF CROSSHATCH MARKINGS IS 12' FOR LOW SPEED ROADS (≤ 45 MPH) AND 24' FOR HIGH SPEED ROADS (≥ 45 MPH).

THE SPACE BETWEEN ADJACENT CROSSHATCH MARKINGS (Y) SHOULD BE SET AT 10 TIMES THE WIDTH (X) OF THE CROSSHATCH MARKINGS.

CROSSHATCH MARKINGS SHOULD NOT BE PLACED IN A MEDIAN LESS THAN 6' IN WIDTH.

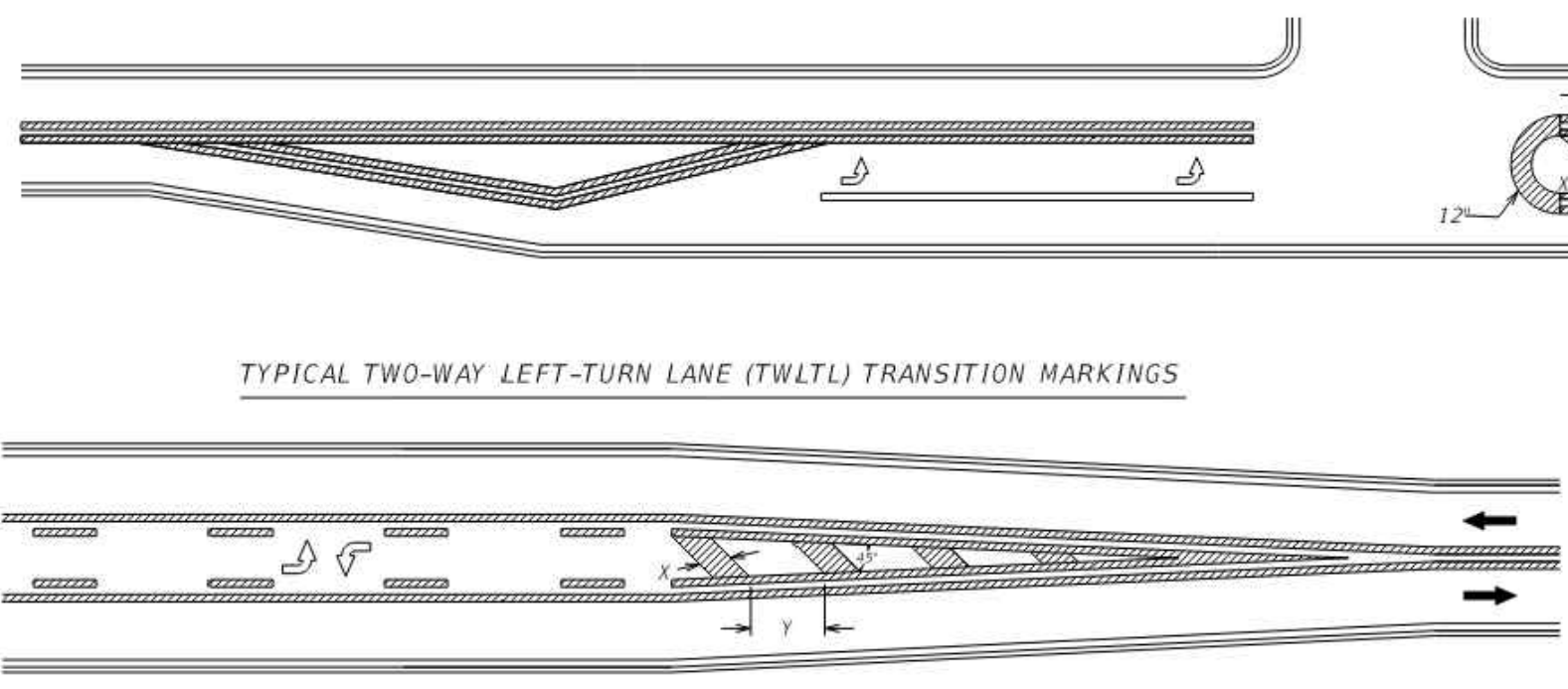
CROSSHATCH MARKINGS SHOULD NOT BE PLACED IN AND ISLAND IF ANY SIDE OF AN ISLAND IS LESS THAN 30' IN LENGTH.

THE OUTLINE OF AN ISLAND SHOULD BE EITHER 9' OR 12'.

MEDIAN NOSES MAY BE EITHER A SINGLE 12' LINE OR A SOLID SEMI-CIRCLE.

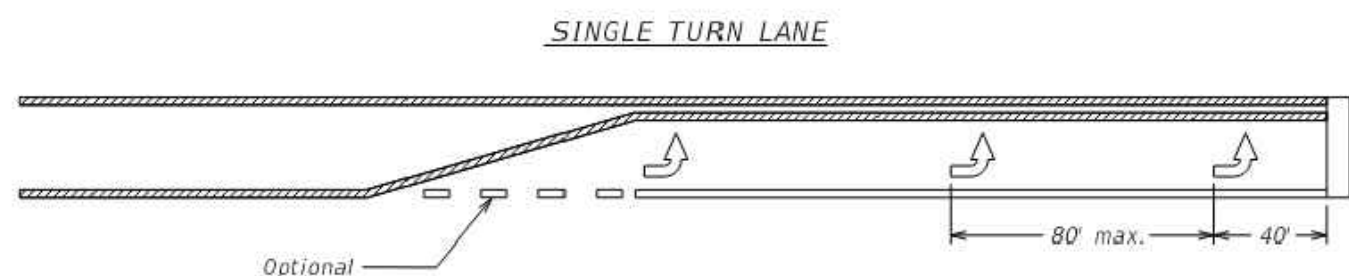
CROSSHATCH AND CHEVRON MARKINGS SHOULD BE THERMOPLASTIC.

TYPICAL LEFT-TURN LANE / FLUSH MEDIAN CROSSHATCH MARKINGS



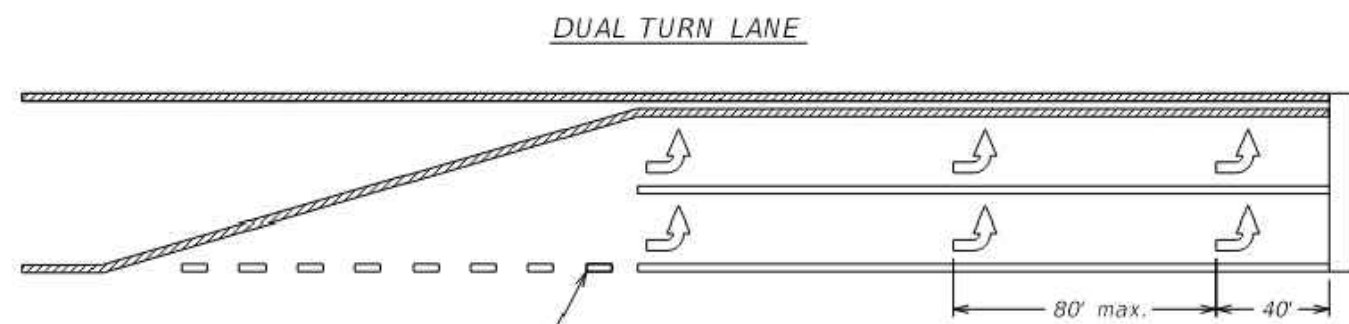
Note: Crosshatch markings shall be placed in the transition area of a TWLTL.

LEGEND
MARKINGS
WHITE
YELLOW



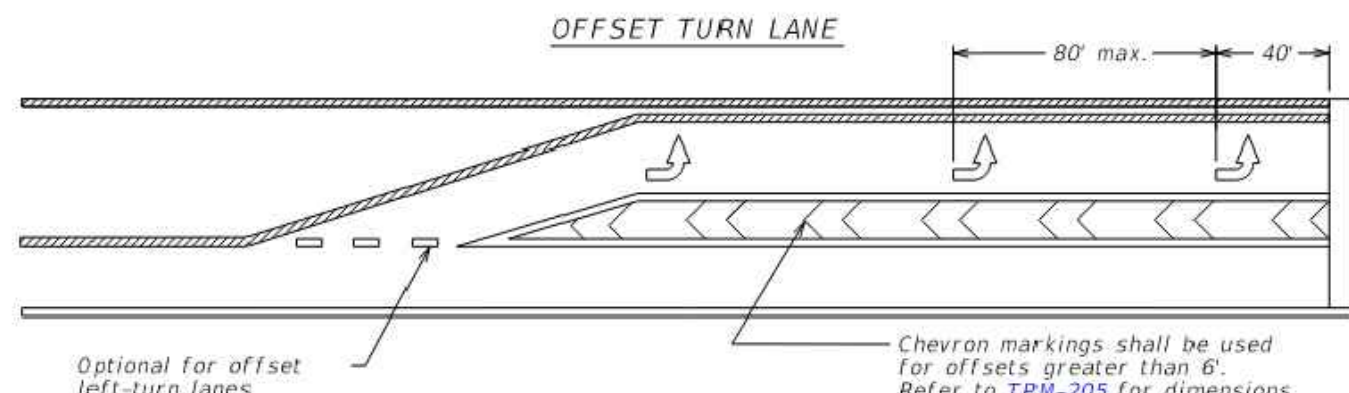
STRIPING NOTES:

- ARROWS SHALL BE USED IN ANY EXCLUSIVE TURN LANES.
- IN A SINGLE TURN LANE, DOTTED WHITE LANE LINE EXTENSIONS MAY BE USED THROUGH THE TAPER OF THE TURN LANE.
- IF USED, DOTTED WHITE LANE LINE EXTENSIONS SHALL BE NORMAL WIDTH, AND SHOULD BE 2' LONG, WITH A GAP OF 2'-6" BETWEEN EACH LINE.
- IN DUAL TURN LANES, DOTTED WHITE LANE LINE EXTENSIONS SHOULD BE USED THROUGH THE TAPER OF THE TURN LANE. BOTH SOLID LINES FORMING THE TURN LANES SHALL BEGIN AT THE DOWNSTREAM END OF THE TAPER.



ARROW SPACING NOTES:

- IN SINGLE-DIRECTION TURN LANES, ARROWS SHOULD BE SPACED AS FOLLOWS:
- AT LEAST TWO ARROWS SHOULD BE USED IN EACH TURN LANE. HOWEVER, IF A TURN LANE IS LESS THAN 80' IN LENGTH, THE DOWNSTREAM ARROW MAY BE ELIMINATED.
- THE FIRST UPSTREAM ARROW SHALL BE PLACED AT THE BEGINNING OF THE SOLID LINE FOR THE TURN LANE.
- THE LAST DOWNSTREAM ARROW SHOULD BE PLACED 40' FROM THE STOP BAR.
- ANY ADDITIONAL ARROWS SHOULD BE EVENLY SPACED. SPACING SHOULD NOT EXCEED 80'.
- ARROW SPACING AND NUMBER OF ARROWS MAY VARY BASED ON SITE CONDITIONS.



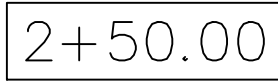
DOTTED EXTENSION DIMENSIONS:

Dotted extensions shall be normal width.

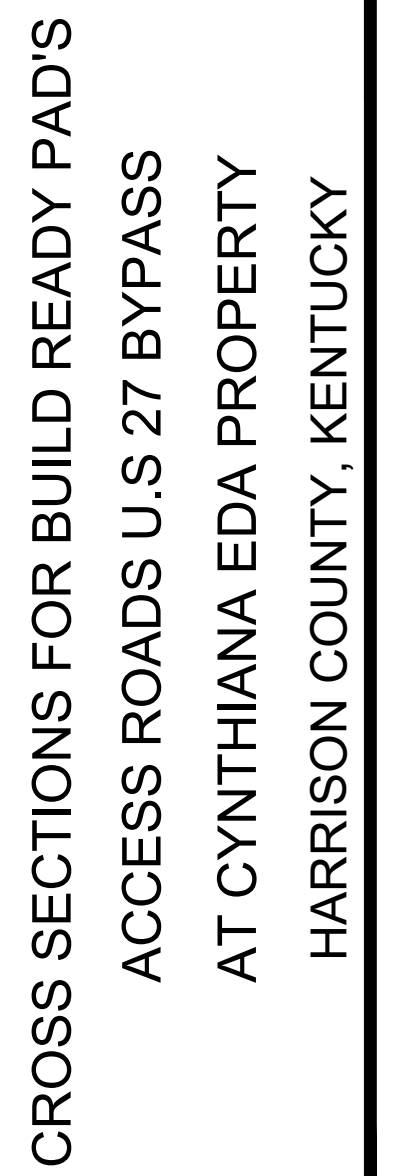
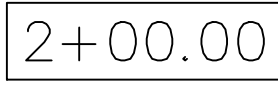
Page 1 of 2
DRAWING NOT TO SCALE

LEGEND
MARKINGS
WHITE
YELLOW





SCALE
1" = 10'
CROSS SECTION
2+00 - 2+50



PROJECT NO.		DATE	REVISION	BY
DESIGNED BY	MSE			
DRAWN BY	CRH			
CHECKED BY	GAR			
REVIEWED BY	GAR			
DATE	APRIL 2026			
SCALE	AS NOTED			

DESIGN DOCUMENTS:
 This document contains information that is confidential and proprietary to the undersigned parties and any use, disclosure, or liability for problems which arise from failure to follow these plans, specifications and design intent is the responsibility of the undersigned party.

COPYRIGHT ©
 This document discloses subject matter considered confidential by MSE, of Kentucky, Inc. and on which MSE, of Kentucky, Inc. has a copyright. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of MSE, of Kentucky, Inc. or to use it for any purpose without the written permission of MSE, of Kentucky, Inc.

msc
OF KENTUCKY, INC.

Engineers
Architects
Planners

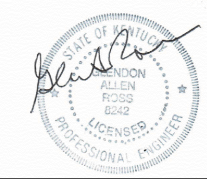
624 Wellington Way
Lexington, KY 40503
www.mslex.com

Phone: (859)223-5694
Fax: (859)223-2607

DRAWING NO.

XS-3

SHEET OF



CROSS SECTIONS FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

DESIGN DOCUMENTS
The design professional warrants any and all responsibility and liability for problems which arise from failure to follow the design professional's specifications and the design intent they convey.
This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which MSE of Kentucky, Inc. has a right to sue for damages. No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of MSE of Kentucky, Inc.

PROJECT NO.	DESIGNED BY	DATE	REVISION	BY
	MSE			
	CRH			
	GAR			
	AS NOTED			

mse
OF KENTUCKY, INC.

Engineers
Architects
Planners

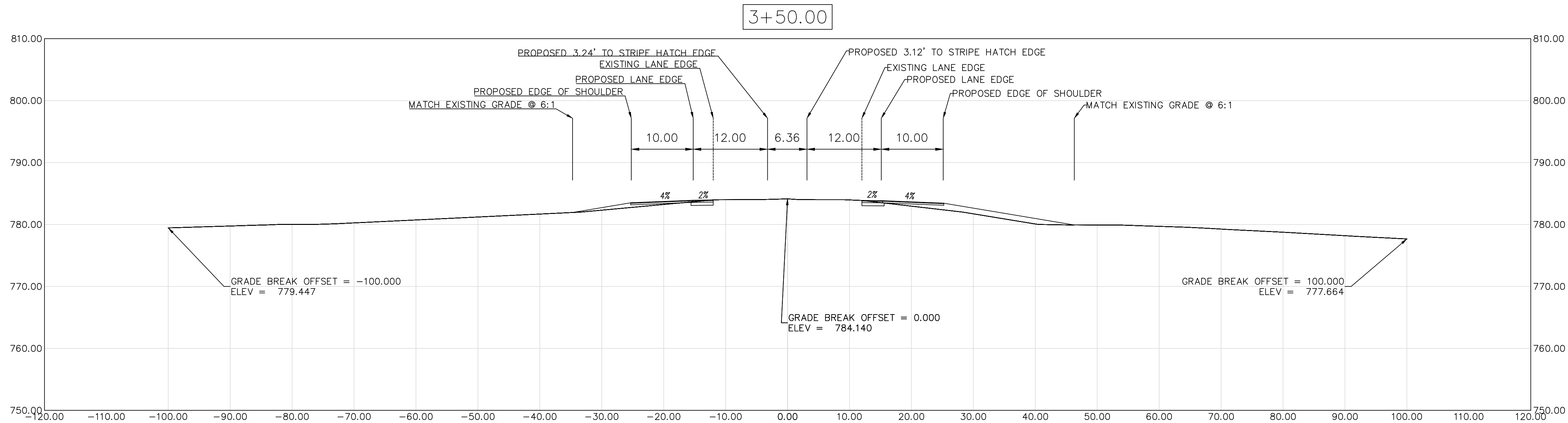
624 Wellington Way
Lexington, KY 40503
www.mselex.com

Phone: (859)223-5694
Fax: (859)223-2607

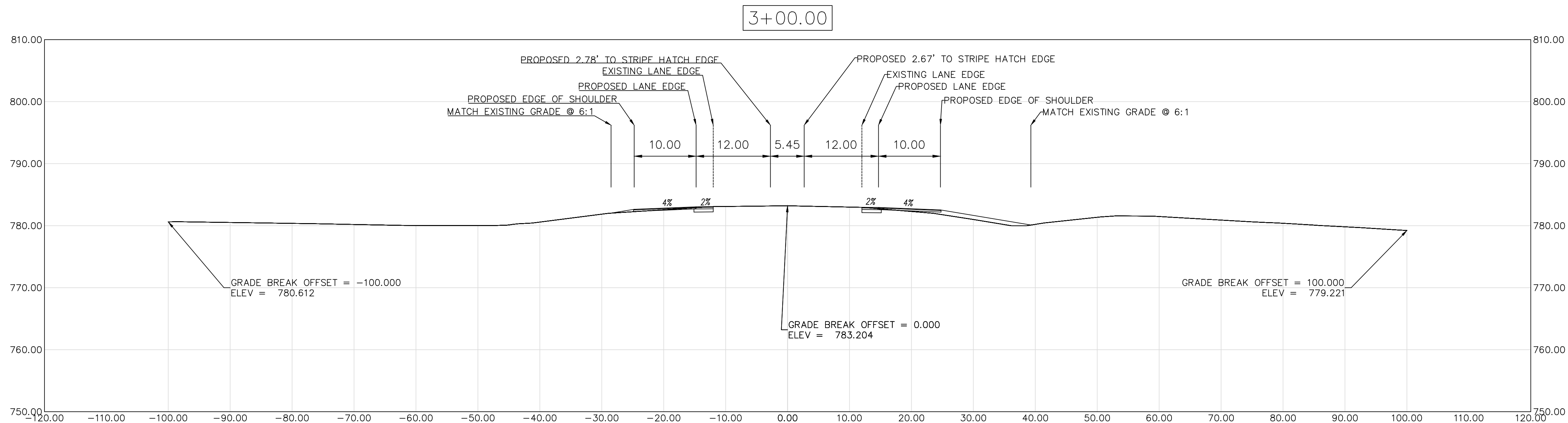
DRAWING NO.

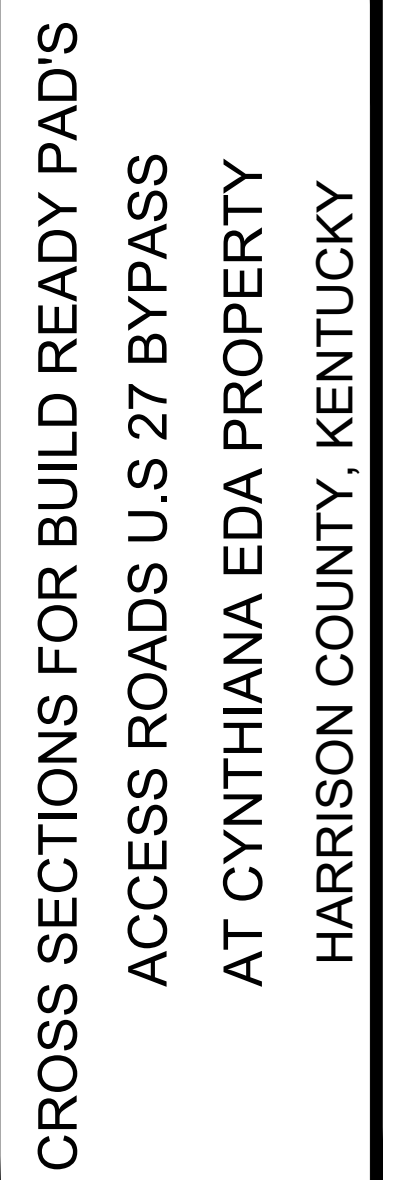
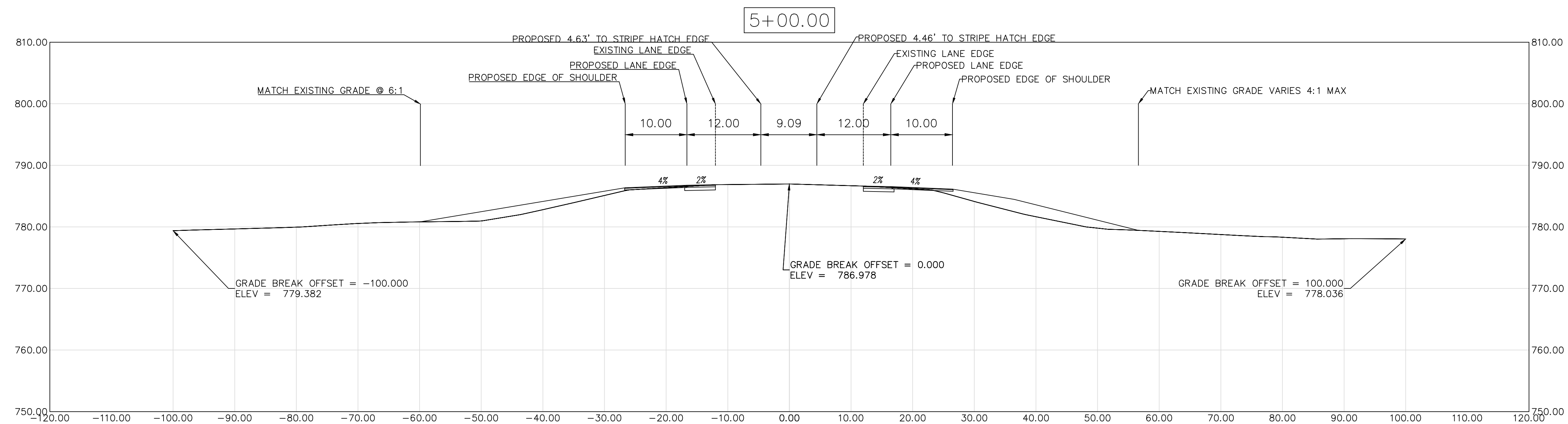
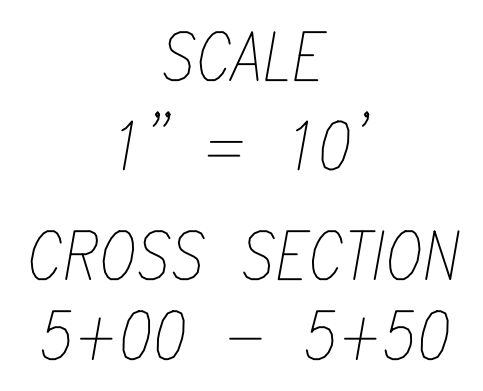
XS-4

SHEET OF



SCALE
1" = 10'
CROSS SECTION
3+00 - 3+50





PROJECT NO.	DESIGNED BY	MSE	DATE	REVISION	BY
DRAWN BY	CRH				
CHECKED BY	GAR				
REVIEWED BY	GAR				
DATE	APRIL 2026				
SCALE	AS NOTED				

msc
OF KENTUCKY, INC.

Engineers
Architects
Planners

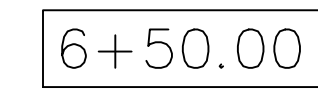
624 Wellington Way
Lexington, KY 40503
www.mslex.com

Phone: (859)223-5694
Fax: (859)223-2607

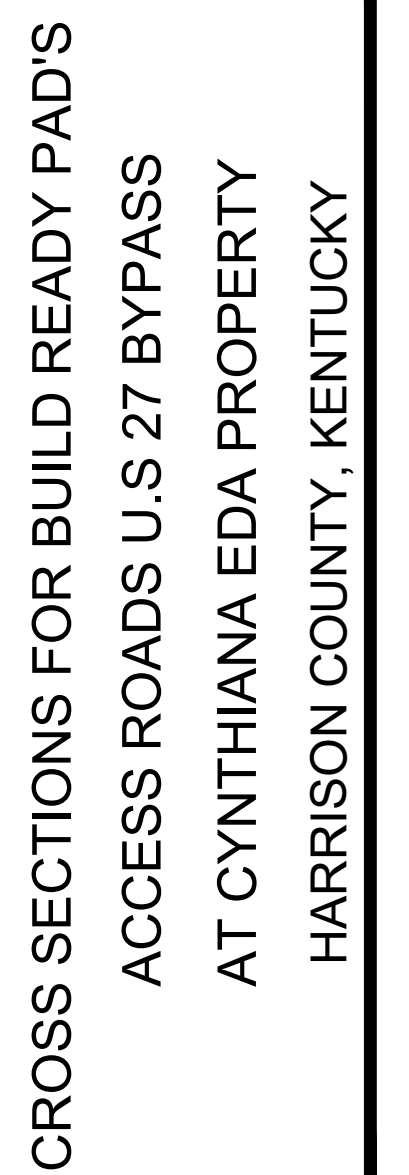
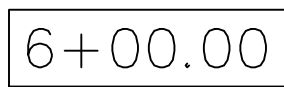
DRAWING NO.

XS-6

SHEET OF



6+00.00



msc
OF KENTUCKY, INC.

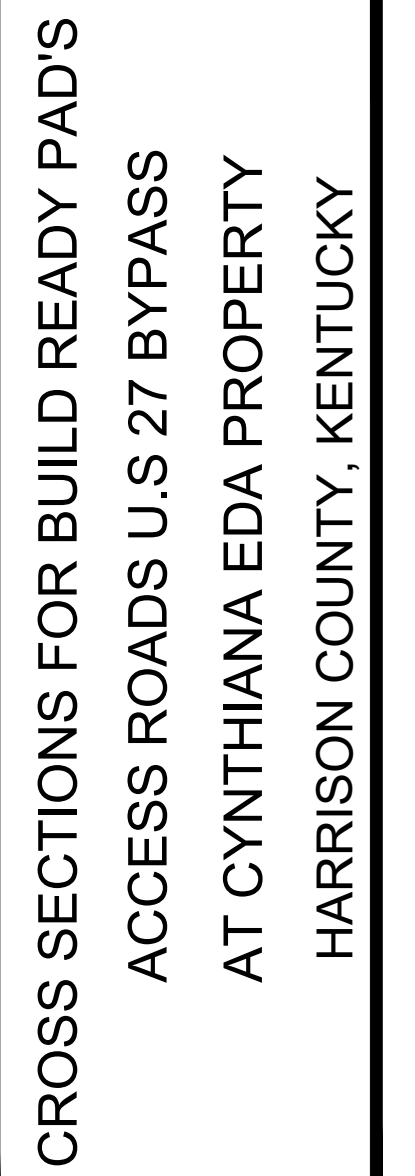
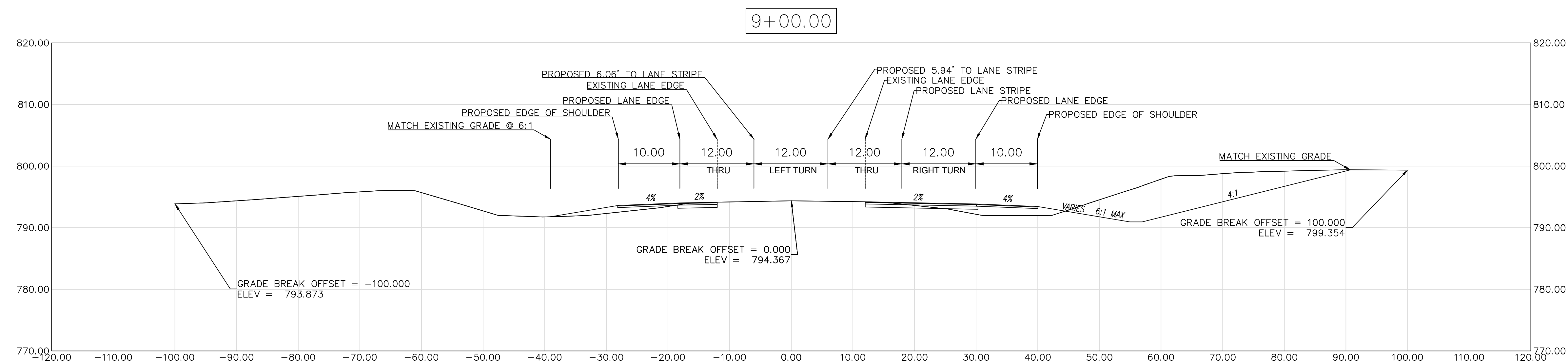
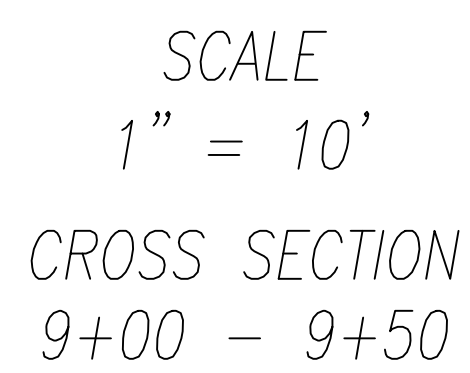
Engineers
Architects
Planners

624 Wellington Way
Lexington, KY 40503
www.mslex.com

Phone: (859)223-5694
Fax: (859)223-2607

XS-7

SHEET OF

[illegible]

nsc
OF KENTUCKY, INC.
Engineers
Architects
Planners

624 Wellington Way
Lexington, KY 40503
Phone: (859)223-5694
Fax: (859)223-2607

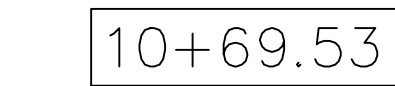
624 Wellington Way
Lexington, KY 40503
www.mselex.com

Phone: (859)223-5694
Fax: (859)223-2607

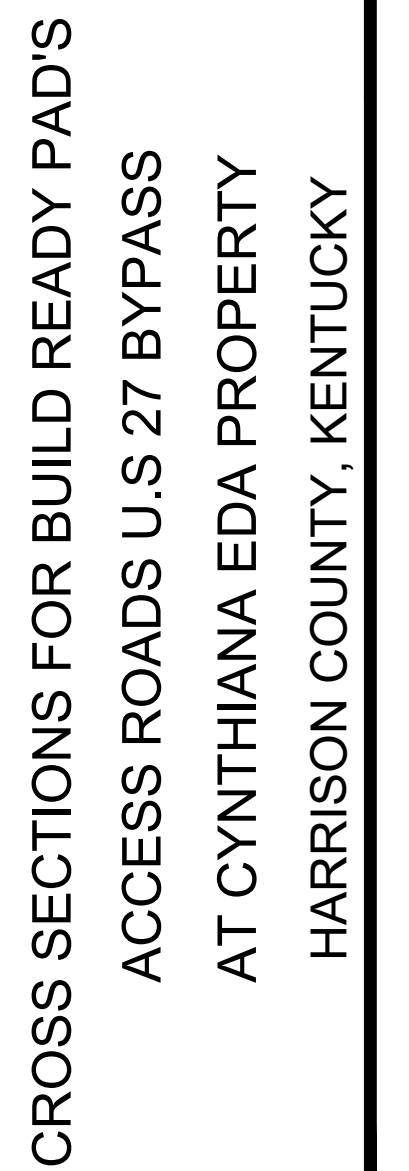
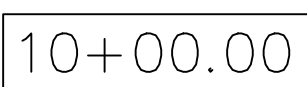
DRAWING NO.

XS-10

SHEET OF



SCALE
1" = 10'



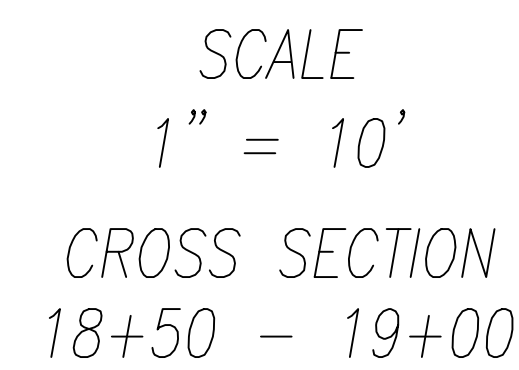
DESIGN DOCUMENTS: These documents describe the design process, whether any and all responsibility and liability for problems which arise from failure to follow these plans, specifications and the design intent they convey.



624 Wellington Way
Lexington, KY 40503
www.mselex.com

XS-11

SHEET OF



CROSS SECTIONS FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

	PROJECT NO.	DATE	REVISION	BY
	DESIGNED BY MSE			
	DRAWN BY CRH			
	CHECKED BY GAR			
	REVIEWED BY GAR			
	DATE APRIL 2026			
	SCALE AS NOTED			

DESIGN DOCUMENTS:

The design professional warrants any and all responsibility and liability for problems which arise from failure to comply with applicable codes, specifications and the design intent of any owner.

This document discloses subject matter confidentially owned by MSE of Kentucky, Inc. and on which rights are claimed by MSE of Kentucky, Inc. or its subsidiaries. It is to be used solely for the purpose of preparing the documents of any part thereof, or to disclose any information contained therein to others, or to use it for any purpose without the written permission of MSE of Kentucky, Inc.

COPYRIGHT ©

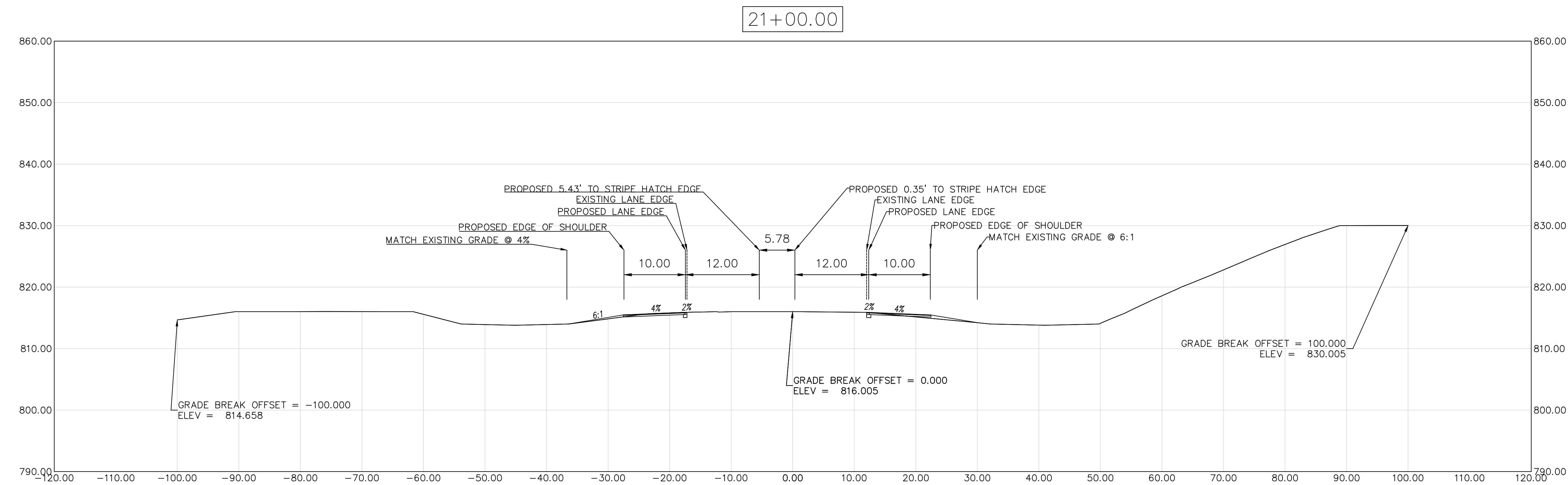
nse **OF KENTUCKY, INC.**

Engineers
Architects
Planners

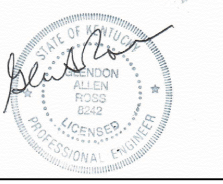
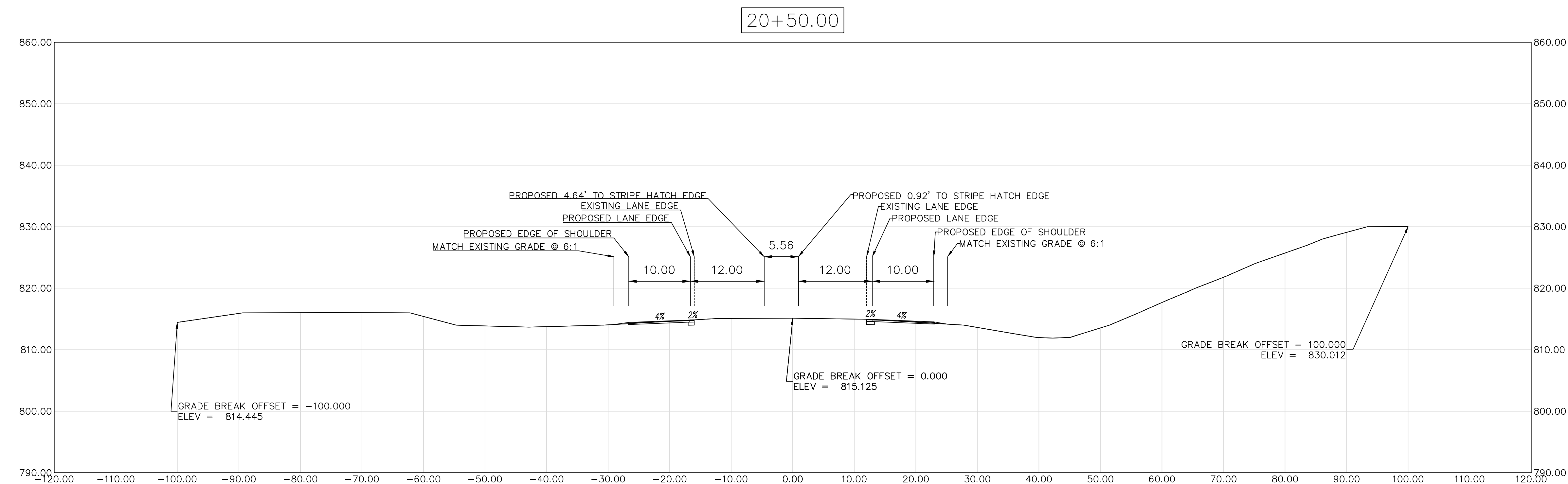
624 Wellington Way
Lexington, KY 40503
www.nseex.com

Phone: (859)223-5884
Fax: (859)223-2807

A rectangular title block with a black border. Inside, the text 'DRAWING NO.' is at the top, followed by 'XS-19' in a large font. Below that, 'SHEET' and 'OF' are separated by a gap.



SCALE
1" = 10'
CROSS SECTION
20+50 - 21+00



CROSS SECTIONS FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

DATE	REVISION	BY

PROJECT NO.	DESIGNED BY	MSE
	DRAWN BY	CRH
	CHECKED BY	GAR
	REVIEWED BY	GAR
	DATE	APRIL 2026
	SCALE	AS NOTED

NSC
OF KENTUCKY, INC.

Engineers
Architects
Planners

624 Wellington Way
Lexington, KY 40503
www.mselex.com

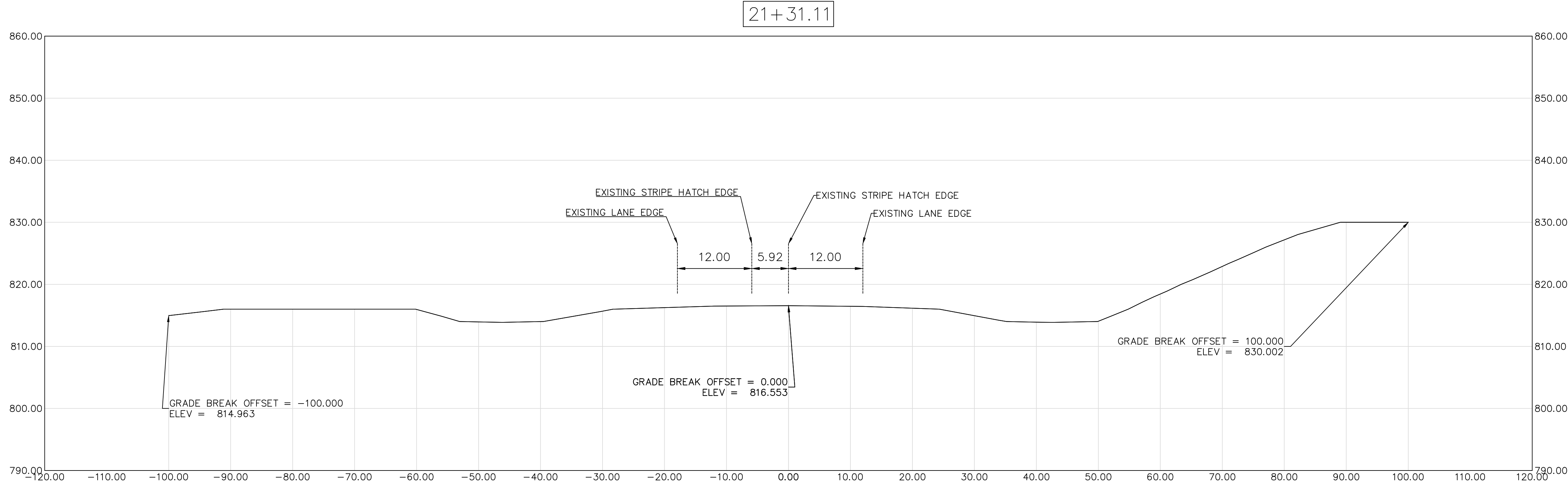
Phone: (859)223-5694
Fax: (859)223-2607

DRAWING NO.

XS-21

SHEET OF

SCALE
1" = 10'
CROSS SECTION
21+31



CROSS SECTIONS FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

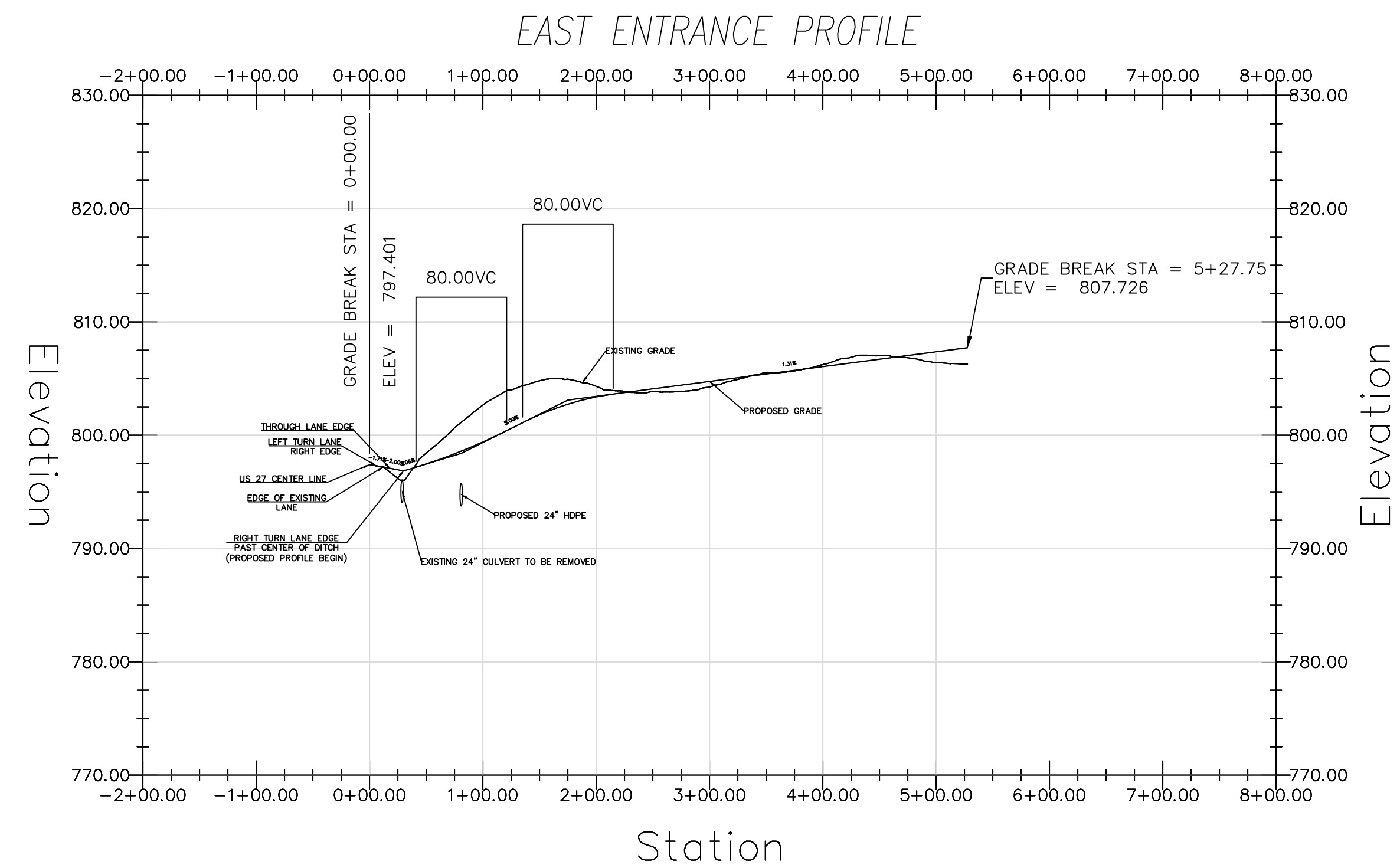
PROJECT NO.	DESIGNED BY	DATE	REVISION	BY
	MSE			
	CRH			
	GAR			
	GAR			
DATE	APRIL 2026			
SCALE	AS NOTED			

DESIGN DOCUMENTS
The design professional warrants any and all responsibility and liability for problems which arise from failure to follow the design professional's specifications and the design intent they convey.
Copyright © 2026
This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which MSE of Kentucky, Inc. has a right to be used in any way without the written permission of MSE of Kentucky, Inc. or to use it for any purpose without the written permission of MSE of Kentucky, Inc.

mse
OF KENTUCKY, INC.
624 Wellington Way
Lexington, KY 40503
www.mselex.com

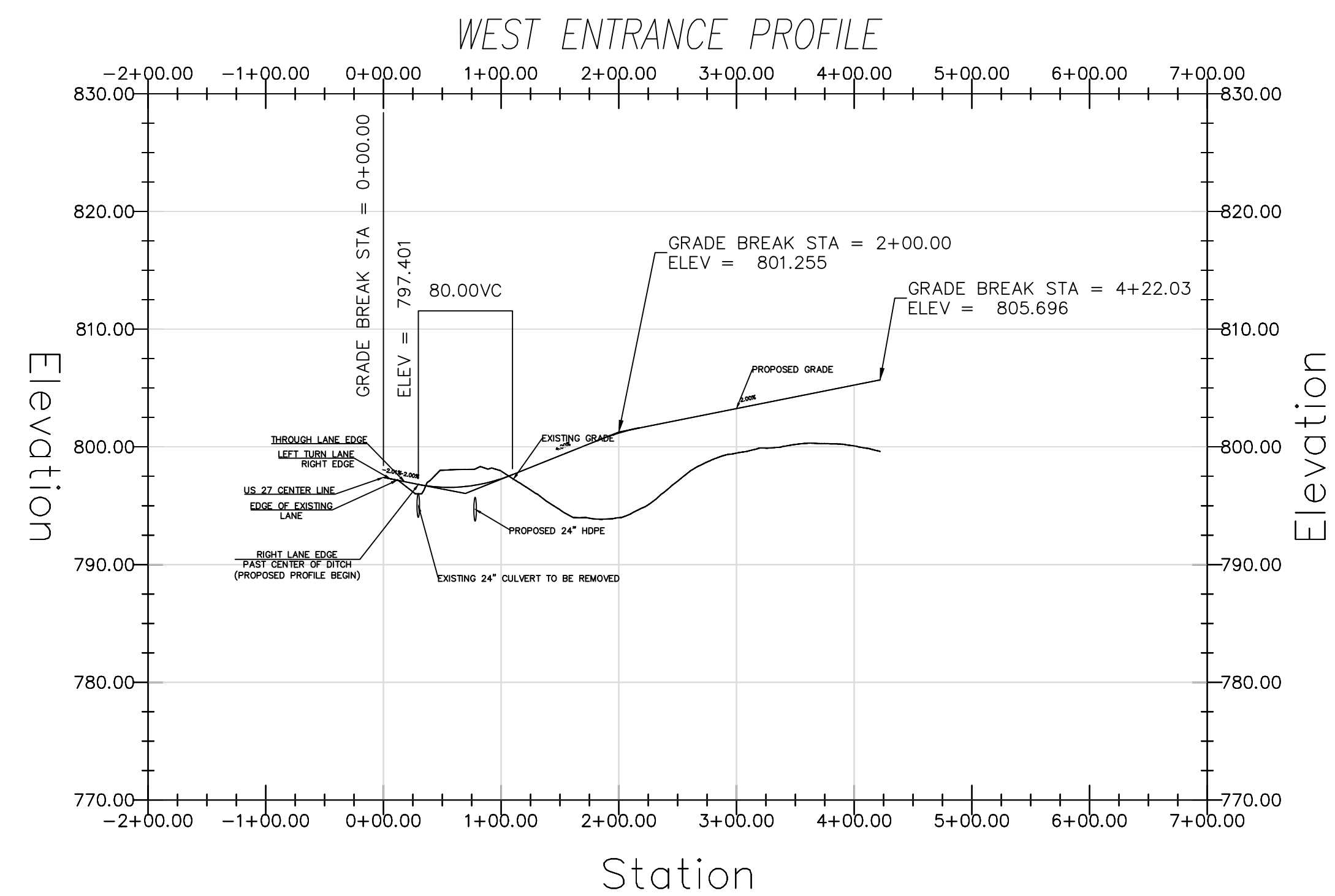
Engineers
Architects
Planners

Phone: (859)223-5694
Fax: (859)223-2607



VERTICAL SCALE
1" = 10'

HORIZONTAL SCALE
1" = 100'



ACCESS ROAD PROFILES



ENTRANCE PROFILES FOR BUILD READY PAD'S
ACCESS ROADS U.S 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

PROJECT NO.				DESIGNED BY MSE				DRAWN BY CHH				CHECKED BY GAR				REVIEWED BY GAR				DATE APRIL 2026				SCALE AS NOTED				DATE				REVISION				BY			
DESIGN DOCUMENTS																																							
The design professional warrants any and all responsibility and liability for problems which arise from failure to comply with the design, specifications and the design intent of any contract.																																							
This document discloses subject matter considered confidential by MSE of Kentucky, Inc. and on which MSE of Kentucky, Inc. has a proprietary interest. It is to be used solely for the purpose of providing the rights to reproduce the document or any part thereof, or to disclose any information contained therein to others, or to use it in any proposal without the written permission of MSE of Kentucky, Inc.																																							

nse
OF KENTUCKY, INC.

Engineers
Architects
Planners

Phone: (859)223-5684
Fax: (859)223-2607

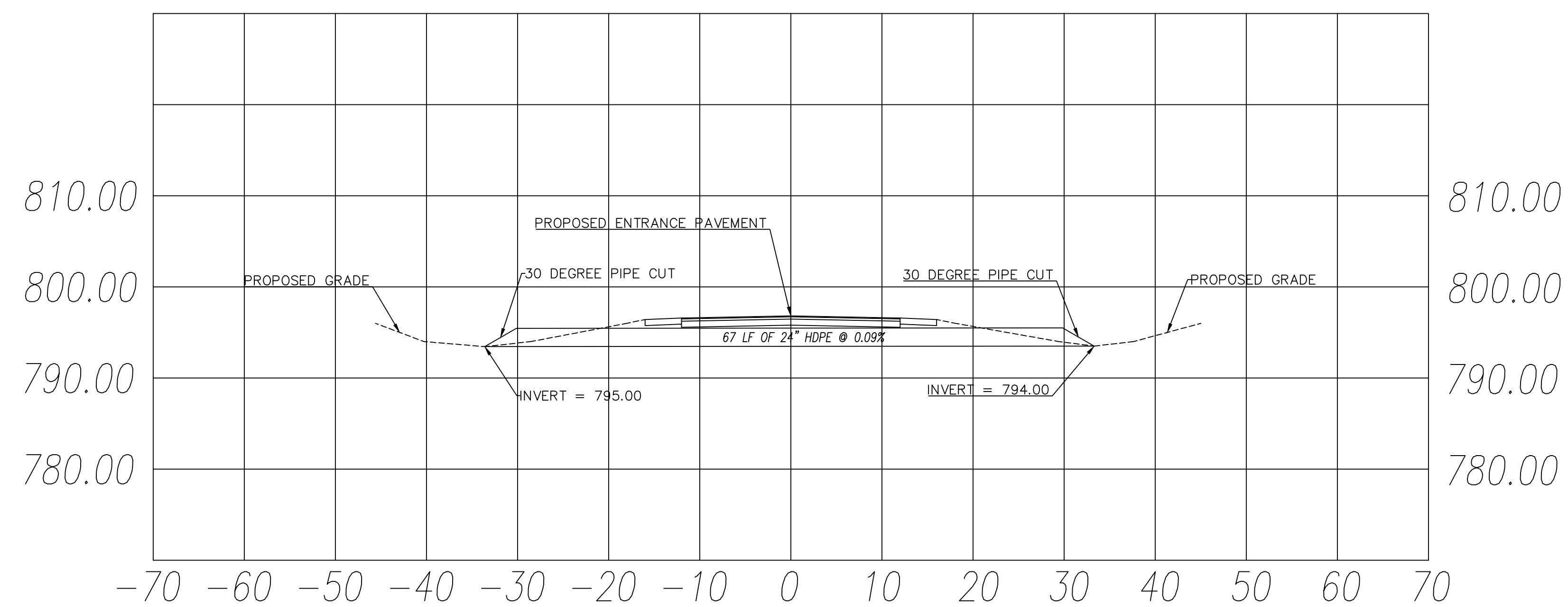
624 Wellington Way
Lexington, KY 40503
www.nsebox.com

DRAWING NO.

P-1

SHEET OF

PROPOSED EAST ENTRANCE CULVERT



ENTRANCE CULVERTS FOR ACCESS ROADS
ACCESS ROADS U.S. 27 BYPASS
AT CYNTHIANA EDA PROPERTY
HARRISON COUNTY, KENTUCKY

[illegible]

NSC
OF KENTUCKY, INC.

Engineers
Architects
Planners

624 Wellington Way
Lexington, KY 40503

Phone: (859) 223-5894
Fax: (859) 223-2607

DRAWING NO.

P-2

SHEET OF