



TRANSPORTATION CABINET

Frankfort, Kentucky 40622
www.transportation.ky.gov/

Steven L. Beshear
Governor

Michael W. Hancock, P.E.
Secretary

September 26, 2013

CALL NO. 304
CONTRACT ID NO. 131052
ADDENDUM # 4

Subject: Breathitt County, FD04 SPP 013 3231 000-001
Letting September 27, 2013

- (1) Revised - Plan Sheets
- (2) Added - Special Note - Pages 12(a)-12(f) of 88
- (3) Revised - Bid Items - Pages 86-88 of 88

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

Plan revisions are available at <http://www.lynnimaging.com/kytransportation/>.

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

Sincerely,

A handwritten signature in blue ink that reads "Ryan Griffith".

Ryan Griffith
Acting Director
Division of Construction Procurement

RG:ks
Enclosures



An Equal Opportunity Employer M/F/D

GENERAL SUMMARY

△ REVISED 9-25-13

COUNTY OF	ITEM NO.	SHEET NO.
BREATHITT	10-5011.00	R2B

PIPE DRAINAGE SUMMARY

FILE NAME: G:\PWORK\MIN.-JANG\00492423\R0020BSU.DGN
 USER: min.jiang
 DATE PLOTTED: September 25, 2013
 E-SHEET NAME:
 MicroStation v8.11.7.443

ITEM CODE	ITEM	UNIT	LAKESIDE DRIVE KY 3231	KY 15 WIDENING	DETOUR	EXCESS MATERIAL SITE	TOTAL PROJECT
00078	CRUSHED AGGREGATE SIZE NO. 2 ①	TON			200		200
01000	PERFORATED PIPE-4 INCH ①	LIN FT					500
01010	NON-PERFORATED PIPE-4 INCH ①	LIN FT					200
01020	PERFORATED PIPE HEADWALL TYPE 1-4 INCH ①	EACH					4
01875	STANDARD HEADER CURB	EACH		55			55
01987	DELINEATOR FOR GUARDRAIL-B/W	EACH	25				25
01984	DELINEATOR FOR BARRIER-WHITE	EACH					21
02014	BARRICADE-TYPE III	EACH	2	2	2		6
02159	TEMPORARY DITCH	LIN FT	1714	1275	3803		6792
02200	ROADWAY EXCAVATION**	CU YD	433844	210			434054
02237	DITCHING	LIN FT		697			697
02242	WATER ②	M GAL	162	121	360		643
02351	GUARDRAIL-STEEL W BEAM-SINGLE FACE	LIN FT	1575		850		2425
02360	GUARDRAIL TERMINAL SECTION NO 1	EACH	1				1
02371	GUARDRAIL END TREATMENT TYPE 7	EACH			2		2
02391	GUARDRAIL END TREATMENT TYPE 4A	EACH	1				1
02381	REMOVE GUARDRAIL ⑦	LIN FT	1412.5				1412.5
02429	RIGHT-OF-WAY MONUMENT TYPE 1	EACH	20				20
02432	WITNESS POST	EACH	3				3
02488	CHANNEL LINING CLASS IV ⑥	CU YD	80				80
02545	CLEARING AND GRUBBING ③	LP SUM					1
02562	TEMPORARY SIGNS	SQ FT					500.9
02568	MOBILIZATION	LP SUM					1
02569	DEMobilIZATION	LP SUM					1
02585	EDGE KEY	LIN FT	152	183	40		375
02599	FABRIC-GEOTEXTILE TYPE IV ①	SQ YD			200		200
02650	MAINTAIN AND CONTROL TRAFFIC	LP SUM					1
02651	DIVERSION (BY-PASS DETOUR)	LP SUM					1
02671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH					2
02676	MOBILIZATION FOR MILL & TEXT	LP SUM					1
02677	ASPHALT PAVE MILLING & TEXTURING	TON	0	19	0		19
02701	TEMPORARY SILT FENCE	LIN FT	1714	1275	3803	1033	7825
02703	SILT TRAP TYPE A	EACH	8	1	4	8	21
02704	SILT TRAP TYPE B	EACH	8	1	4	8	21
02705	SILT TRAP TYPE C	EACH	8	1	4	8	21
02706	CLEAN SILT TRAP TYPE A	EACH	24	3	12	24	63
02707	CLEAN SILT TRAP TYPE B	EACH	24	3	12	24	63
02708	CLEAN SILT TRAP TYPE C	EACH	24	3	12	24	63
02709	CLEAN TEMPORARY SILT FENCE	LIN FT	1714	1275	3803	1033	7825
02726	STAKING	LP SUM					1
03171	CONCRETE BARRIER WALL TYPE 9T ⑤	LIN FT		1020			1020
05950	EROSION CONTROL BLANKET	SQ YD	6988			13294	20282
05952	TEMPORARY MULCH ⑨	SQ YD	41505	3451	18779	37494	63735
05953	TEMPORARY SEEDING AND PROTECTION ⑨	SQ YD	41505	3451	18779	37494	63735
05966	TOPDRESSING FERTILIZER ⑨	TON	1.89	0.18	0.53	1.25	2.60
05985	SEEDING AND PROTECTION ⑨	SQ YD	36564	3451	10329	24200	50344
06406	ALUMINUM SHEETING SIGNS 0.080 GAUGE ⑧	SQ FT					6.2
06407	ALUMINUM SHEETING SIGNS 0.125 GAUGE ⑧	SQ FT					12.5
06410	TYPE 1 STEEL POST - SQUARE TUBE	LIN FT					27
06411	TYPE 2 STEEL POST - CHANNEL	LIN FT					15
06510	PAVEMENT STRIPING-TEMPORARY PAINT-4 INCH	LIN FT	0	6405	1640		14045
06514	PAVEMENT STRIPING-PERMANENT PAINT-4 INCH	LIN FT	7037	7323	0		14360
06568	PAVEMENT MARKING-THERMO STOP BAR-24 INCH	LIN FT	40	187	0		227
06589	PAVEMENT MARKER TYPE V-MW	EACH		32			32
06591	PAVEMENT MARKER TYPE V-BY	EACH		32			32
06600	REMOVE PAVEMENT MARKER TYPE V	EACH		64			64
08901	CRASH CUSHION TY VI CLASS BT TL2	EACH		2			2
10020NS	FUEL ADJUSTMENT	DOLLAR					86008
10030NS	ASPHALT ADJUSTMENT	DOLLAR					21964
22664EN	WATER BLAST EXISTING STRIPE	LIN FT		2361			2361
24584 EC	BARCODE SIGN INVENTORY	EACH					2

SHEET NO.	ITEM CODE	SKREW	PH LEVEL	FILL HEIGHT	ENTRANCE PIPE 15 INCH	CULVERT PIPE 24 INCH	PIPE CULVERT HEADWALL 24 INCH	SLOPED BOX OUTLET TYPE 1 - 15 INCH	S & F BOX INLET-OUTLET 18 INCH	DROP BOX INLET TYPE 3	DROP BOX INLET TYPE 5F	CHANNEL LINING CLASS IV	FABRIC GEOTEXTILE TYPE IV FOR PIPE	PIPELINE VIDEO	SECURITY PLATE ASSEMBLY	UNIT TO BID			
																LINEAR FEET	EACH	CU YD	SO YD
R10	RT STA 1088+33.00	-	M	1.0'	48													48	
R10	RT STA 1090+36.70	-	M	1.0'	56													56	
R10	RT STA 1088+33.00	-	M	1.0'	92													92	
R35	STA 10+41.60	*	M	6.2'		168	1			1	1						270	168	
R36	STA 27+00.00	-	-	-								5							2
TOTAL PROJECT					196	161	1	6	1	1	1	5	258	357	2				

* 21' 32'15" LT

** EARTHWORK CALCULATIONS

ITEM	CU YDS
COMMON EXC (RDWY)	6642.2
COMMON EXC (MTN)	+61743.3
SOLID ROCK EXC	+365664.4
ROADWAY EXCAVATION	434054
ROCK ROADBED EMBANKMENT	2244.4 120.6

- ① TO BE INSTALLED AT LOCATIONS AS NEEDED AT THE DIRECTION OF THE PROJECT ENGINEER.
- ② FOR CONTROLLING DUST ONLY CAUSED BY MAINTENANCE OF TRAFFIC ONLY.
- ③ APPROXIMATELY 13 ACRES.
- ④ FOR MAINTAINING AND CONTROLLING TRAFFIC.
- ⑤ UPON COMPLETION OF PROJECT ALL TEMPORARY BARRIER WALL SHALL BECOME THE PROPERTY OF THE CONTRACTOR.
- ⑥ INCLUDES 5 CUBIC YARDS FROM PIPE DRAINAGE SHEET.
- ⑦ THE CONTRACTOR SHALL DELIVER EXISTING SALVAGED GUARDRAIL SYSTEM MATERIALS TO THE CENTRAL SIGN SHOP AND RECYCLE CENTER AT 1224 WILKINSON BLVD. IN FRANKFORT, KY. CONTACT SECTION SUPERVISOR AT (502) 564-8187 TO SCHEDULE THE DELIVERY OF MATERIAL. DELIVER THE MATERIAL BETWEEN THE HOURS OF 8 AM AND 3 PM, MONDAY-FRIDAY.
- ⑧ REFER TO SHEET R20 FOR PERMANENT SIGN LOCATIONS. **SEE SPECIAL NOTE IN PROPOSAL**

METHOD OF CALCULATION FOR THE EROSION CONTROL ITEMS		
2703	SILT TRAP TYPE A	ONE PER ACRE DISTURBED
2704	SILT TRAP TYPE B	ONE PER ACRE DISTURBED
2705	SILT TRAP TYPE C	ONE PER ACRE DISTURBED
2706	CLEAN SILT TRAP TYPE A	THREE TIMES PER CONSTRUCTION SEASON PER TRAP
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5985	SEEDING AND PROTECTION	SO. YDS. DISTURBED AREA ONCE; MINUS PERM. STABILIZED AREAS
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GENERAL SUMMARY AND PIPE DRAINAGE SUMMARY

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GENERAL SUMMARY AND PIPE DRAINAGE SUMMARY

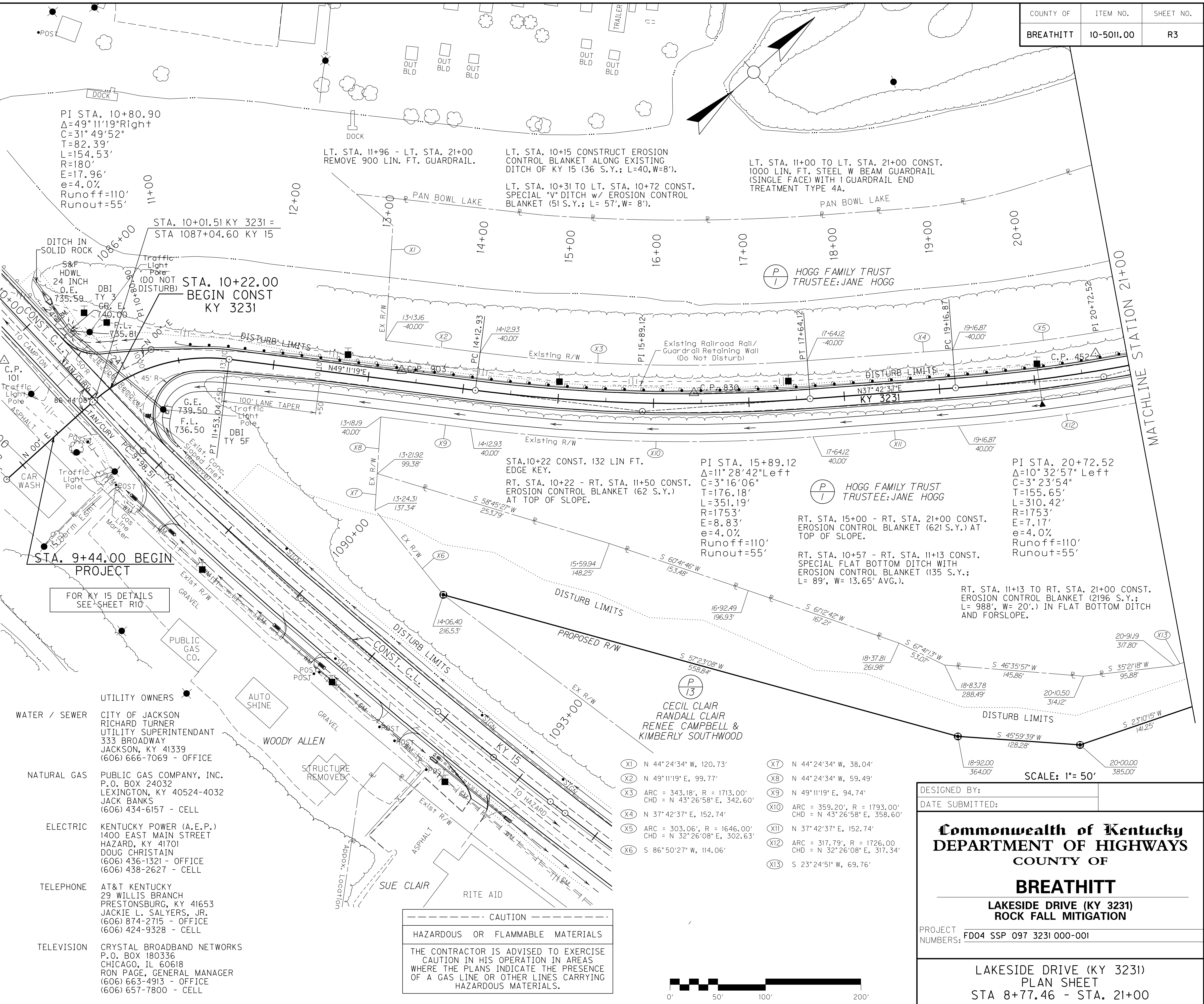
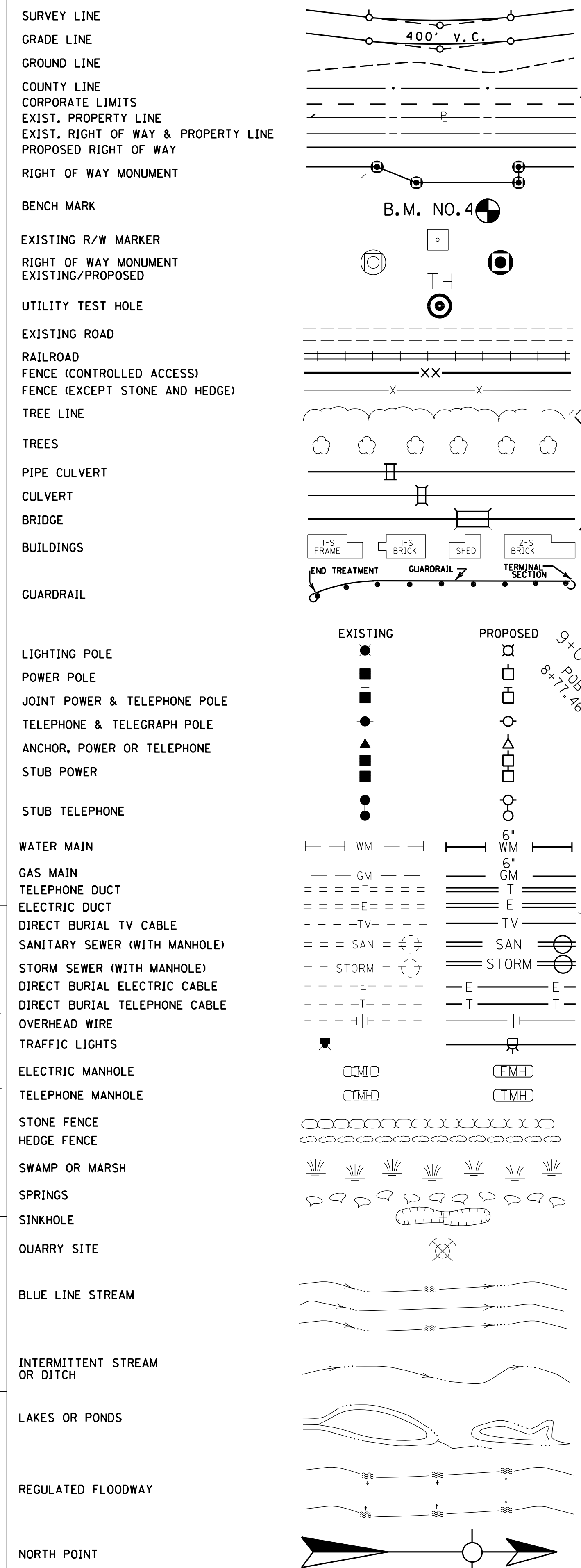
FILE NAME: G:\PWORK\MIN.-JIANG_00492423\R0020BSU.DGN

USER: min.jiang
DATE PLOTTED: September 25, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

CONVENTIONAL SIGNS



FILE NAME: G:\P\WORK\MIN_JIANG\049423\A00300PL.DGN
 USER: Min_Jiang
 DATE PLOTTED: September 16, 2013
 E-SHEET NAME:
 MicroStation v8.11.7.443

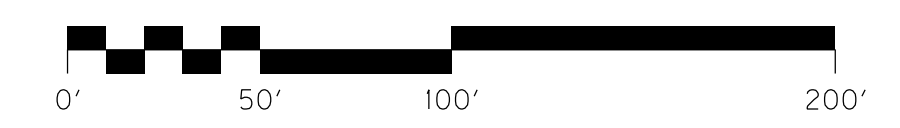
DESIGNED BY:
 DATE SUBMITTED:

Commonwealth of Kentucky
DEPARTMENT OF HIGHWAYS
 COUNTY OF
BREATHITT

LAKESIDE DRIVE (KY 3231)
ROCK FALL MITIGATION

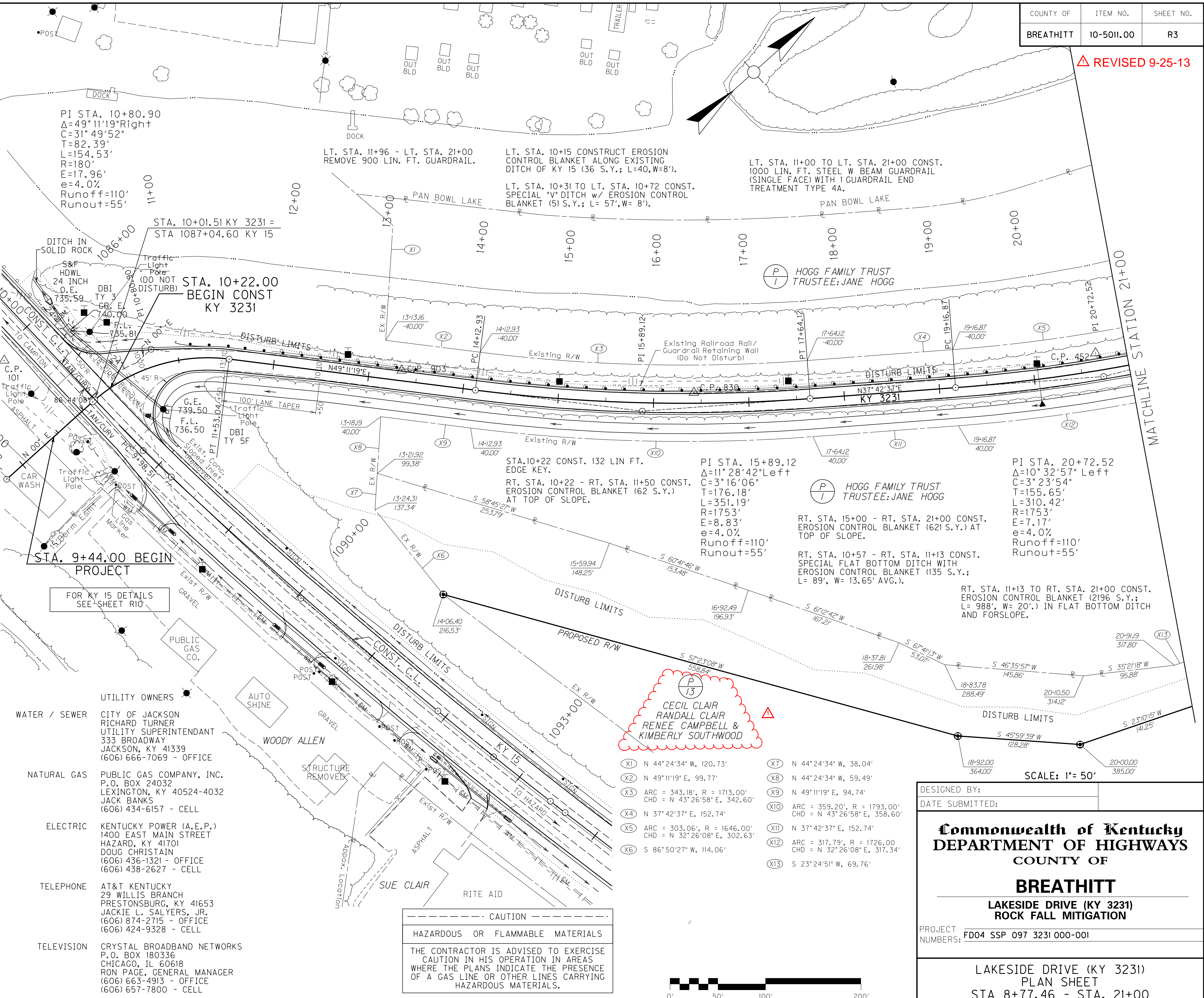
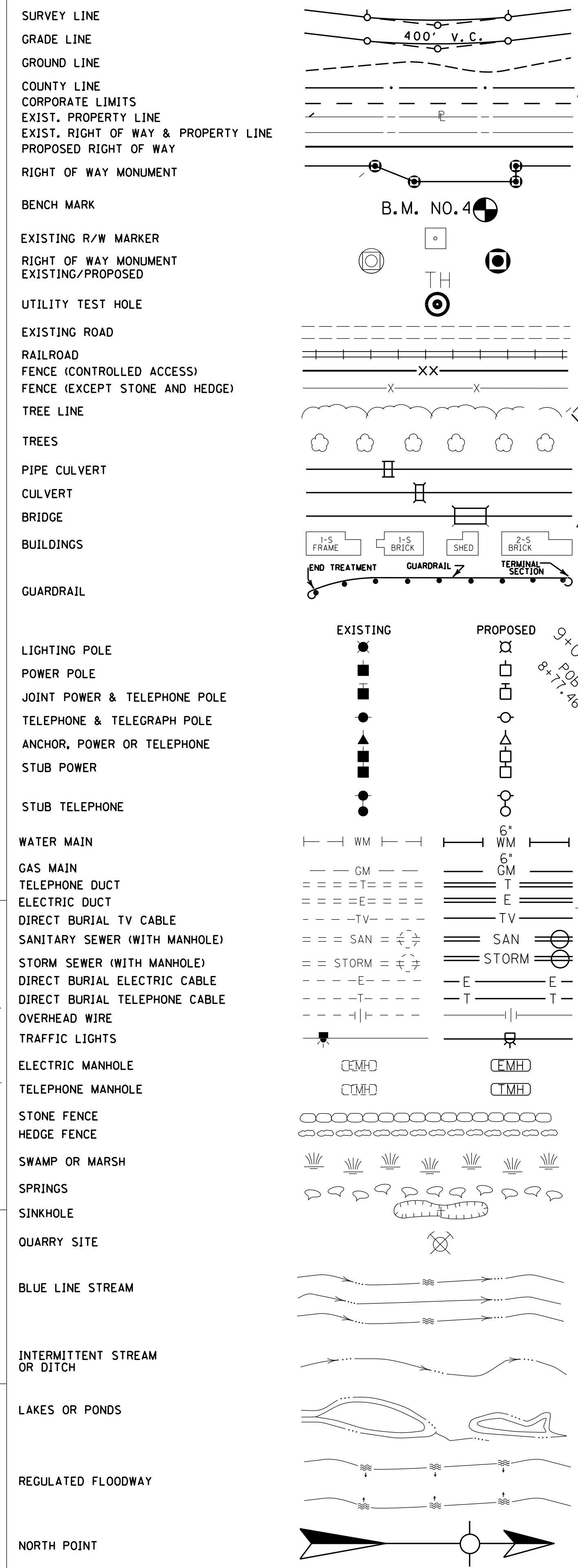
PROJECT NUMBER: FD04 SSP 097 3231 000-001

LAKESIDE DRIVE (KY 3231)
 PLAN SHEET
 STA 8+77.46 - STA. 21+00



REVISED 9-25-13

CONVENTIONAL SIGNS



FILE NAME: G:\P\WORK\MIN_JIANG\0492423\A00300PL.DGN
 USER: Min_Jiang
 DATE PLOTTED: September 16, 2013
 E-SHEET NAME:
 MicroStation v8.11.7.443

MATCHLINE STATION 21+00

CAUTION
HAZARDOUS OR FLAMMABLE MATERIALS
THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATION IN AREAS WHERE THE PLANS INDICATE THE PRESENCE OF A GAS LINE OR OTHER LINES CARRYING HAZARDOUS MATERIALS.

- (X5) ARC = 303.06', R = 1646.00', CHD = N 32°26'08"E, 302.63'
- (X12) ARC = 317.79', R = 1726.00', CHD = N 32°26'08"E, 317.34'
- (X13) S 23°24'51"W, 10.57'
- (X14) S 17°25'30"W, 15.84'
- (X15) N 27°09'40"E, 122.83'
- (X16) ARC = 173.08', R = 810.00', CHD = N 21°02'22"E, 172.75'
- (X17) N 14°55'05"E, 26.00'
- (X18) ARC = 395.79', R = 1785.00', CHD = N 08°33'57"E, 394.98'
- (X19) N 27°09'40"E, 122.83'
- (X20) ARC = 19.53', R = 890.00', CHD = N 26°31'57"E, 19.53'
- (X21) ARC = 170.65', R = 890.00', CHD = N 20°24'39"E, 170.38'
- (X22) N 14°55'05"E, 26.00'
- (X23) ARC = 181.14', R = 1865.00', CHD = N 12°08'08"E, 181.07'

PI STA. 24+41.28
Δ=12°14'35"Left
C=6°44'26"
T=91.16'
L=181.63'
R=850'
E=4.87'
e=4.0%
Runoff=110'
Runout=55'

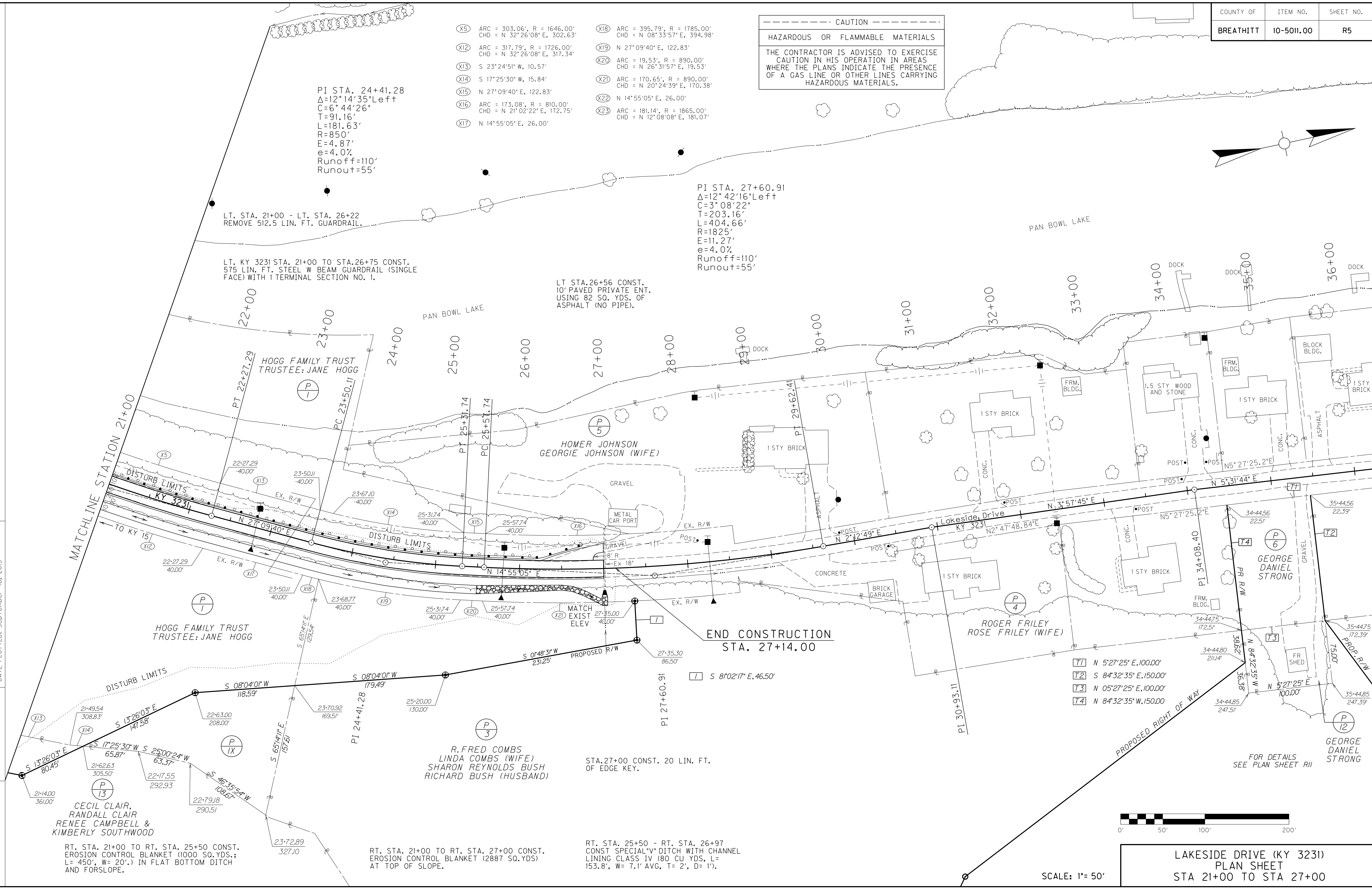
PI STA. 27+60.91
Δ=12°42'16"Left
C=3°08'22"
T=203.16'
L=404.66'
R=1825'
E=11.27'
e=4.0%
Runoff=110'
Runout=55'

LT. STA. 21+00 - LT. STA. 26+22
REMOVE 512.5 LIN. FT. GUARDRAIL.

LT. KY 3231 STA. 21+00 TO STA. 26+75 CONST.
575 LIN. FT. STEEL W BEAM GUARDRAIL (SINGLE FACE) WITH 1 TERMINAL SECTION NO. 1.

LT STA. 26+56 CONST.
10' PAVED PRIVATE ENT.
USING 82 SQ. YDS. OF ASPHALT (NO PIPE).

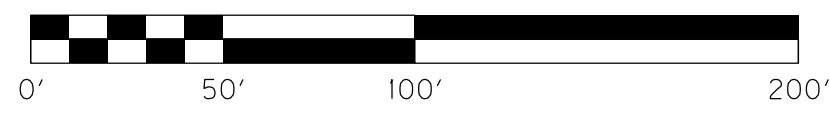
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MATCHLINE STATION 21+00

END CONSTRUCTION
STA. 27+14.00

- T1 N 5°27'25"E, 100.00'
- T2 S 84°32'35"E, 150.00'
- T3 N 05°27'25"E, 100.00'
- T4 N 84°32'35"W, 150.00'



SCALE: 1" = 50'
LAKESIDE DRIVE (KY 3231)
PLAN SHEET
STA 21+00 TO STA 27+00

CECIL CLAIR,
RANDALL CLAIR
RENEE CAMPBELL &
KIMBERLY SOUTHWOOD

RT. STA. 21+00 TO RT. STA. 25+50 CONST.
EROSION CONTROL BLANKET (1000 SQ.YDS.;
L= 450', W= 20') IN FLAT BOTTOM DITCH
AND FORSLOPE.

R. FRED COMBS
LINDA COMBS (WIFE)
SHARON REYNOLDS BUSH
RICHARD BUSH (HUSBAND)

RT. STA. 21+00 TO RT. STA. 27+00 CONST.
EROSION CONTROL BLANKET (2887 SQ.YDS)
AT TOP OF SLOPE.

RT. STA. 25+50 - RT. STA. 26+97
CONST SPECIAL "V" DITCH WITH CHANNEL
LINING CLASS IV (80 CU YDS, L=
153.8', W= 7.1' AVG, T= 2', D= 1').

FOR DETAILS
SEE PLAN SHEET R11

REVISD 9-25-13

CAUTION
HAZARDOUS OR FLAMMABLE MATERIALS
THE CONTRACTOR IS ADVISED TO EXERCISE CAUTION IN HIS OPERATION IN AREAS WHERE THE PLANS INDICATE THE PRESENCE OF A GAS LINE OR OTHER LINES CARRYING HAZARDOUS MATERIALS.

- (X5) ARC = 303.06', R = 1646.00', CHD = N 32°26'08" E, 302.63'
- (X12) ARC = 317.79', R = 1726.00', CHD = N 32°26'08" E, 317.34'
- (X13) S 23°24'51" W, 10.57'
- (X14) S 17°25'30" W, 15.84'
- (X15) N 27°09'40" E, 122.83'
- (X16) ARC = 173.08', R = 810.00', CHD = N 21°02'22" E, 172.75'
- (X17) N 14°55'05" E, 26.00'
- (X18) ARC = 395.79', R = 1785.00', CHD = N 08°33'57" E, 394.98'
- (X19) N 27°09'40" E, 122.83'
- (X20) ARC = 19.53', R = 890.00', CHD = N 26°31'57" E, 19.53'
- (X21) ARC = 170.65', R = 890.00', CHD = N 20°24'39" E, 170.38'
- (X22) N 14°55'05" E, 26.00'
- (X23) ARC = 181.14', R = 1865.00', CHD = N 12°08'08" E, 181.07'

PI STA. 24+41.28
Δ=12°14'35"Left
C=6°44'26"
T=91.16'
L=181.63'
R=850'
E=4.87'
e=4.0%
Runoff=110'
Runout=55'

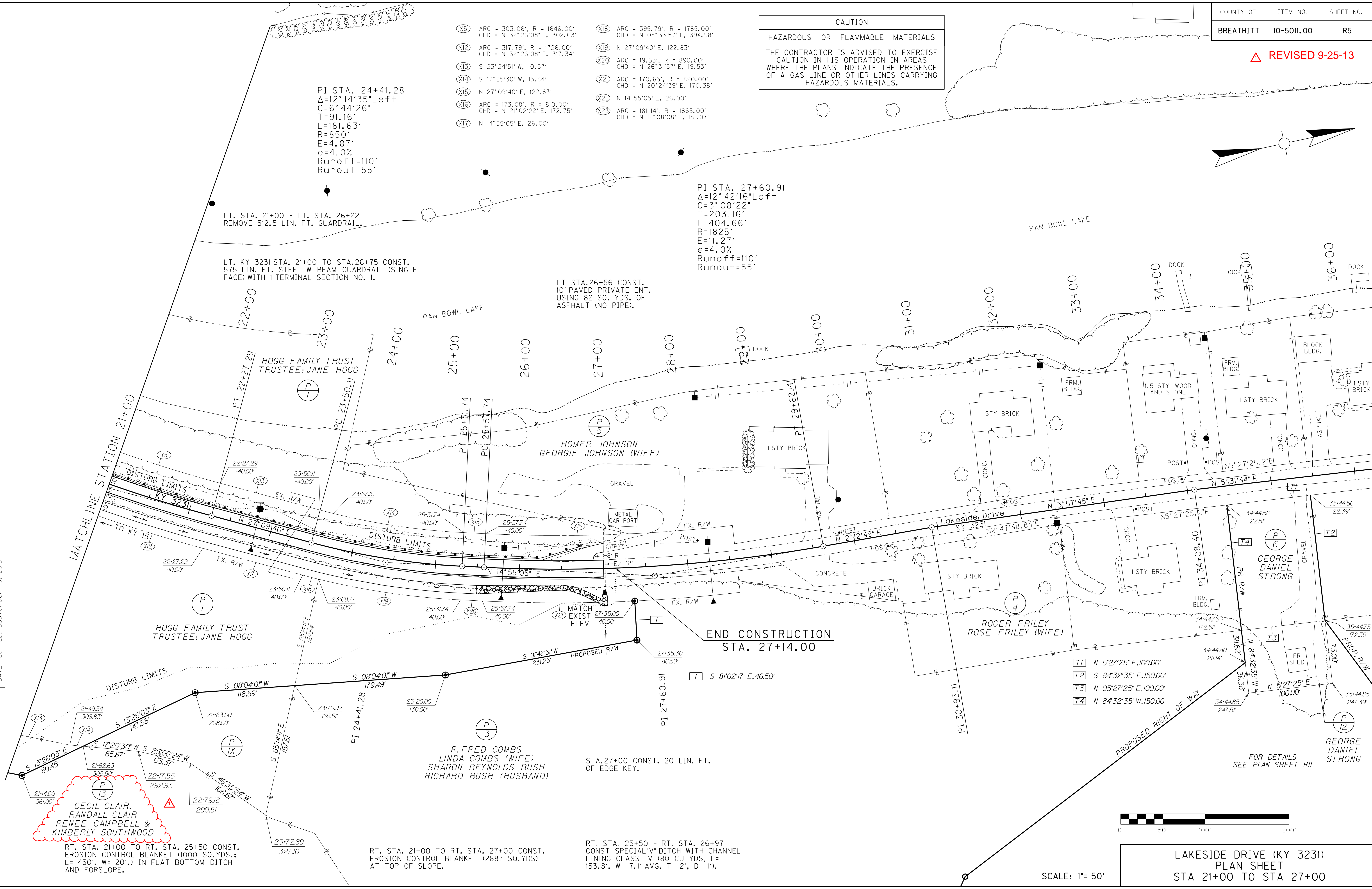
PI STA. 27+60.91
Δ=12°42'16"Left
C=3°08'22"
T=203.16'
L=404.66'
R=1825'
E=11.27'
e=4.0%
Runoff=110'
Runout=55'

LT. STA. 21+00 - LT. STA. 26+22
REMOVE 512.5 LIN. FT. GUARDRAIL.

LT. KY 3231 STA. 21+00 TO STA.26+75 CONST.
575 LIN. FT. STEEL W BEAM GUARDRAIL (SINGLE FACE) WITH 1 TERMINAL SECTION NO. 1.

LT STA.26+56 CONST.
10' PAVED PRIVATE ENT.
USING 82 SQ. YDS. OF ASPHALT (NO PIPE).

FILE NAME: C:\PWORK\MIN.-JIANG\0492423\R00500PL.DGN
USER: Min.Jiang
DATE PLOTTED: September 16, 2013
E-SHEET NAME:
MicroStation v8.11.7.443

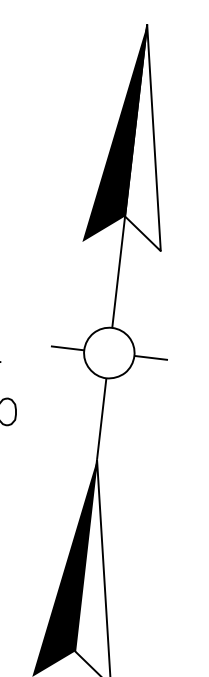


- T1 N 5°27'25" E, 100.00'
- T2 S 84°32'35" E, 150.00'
- T3 N 05°27'25" E, 100.00'
- T4 N 84°32'35" W, 150.00'

FOR DETAILS SEE PLAN SHEET R11

LAKESIDE DRIVE (KY 3231)
PLAN SHEET
STA 21+00 TO STA 27+00

SCALE: 1"= 50'



- KY 15 CONST C.L.
- (A) POB 1083+50.00
 - (B) PI 1084+50.00
 - (C) PI 1085+50.40
 - (D) PC 1087+37.56
 - (E) PI 1087+77.93
 - (F) PCC 1088+18.27
 - (G) PI 1090+04.19
 - (H) PCC 1091+89.98
 - (I) PI 1092+65.47
 - (J) PT 1093+40.94
 - (K) PI 1093+60.47
 - (L) PI 1097+24.82
 - (M) POE 1098+50.00

ORIGINAL R/W C.L.
 KENTUCKY 15
 P.I. STA. 1080+04.69
 D = 34 58'06" LT.
 T = 1474.78'
 L = 2857.42'
 R = 4681.90'
 E = 226.78'

LAKESIDE DRIVE
 PI STA. 15+89.12
 D=11°28'42" Left
 C=3°16'06"
 T=176.18'
 L=351.19'
 R=1753'
 E=8.83'
 e=4.0%
 Runoff=110'
 Runout=55'

LAKESIDE DRIVE
 PI STA. 10+80.90
 D=49°11'19" Right
 C=31°49'52"
 T=82.39'
 L=154.53'
 R=180'
 E=17.96'
 e=4.0%
 Runoff=110'
 Runout=55'

KY 15 CONST C.L.
 P.I. STA. 1087+77.93
 D = 3°39'12" LT.
 T = 40.37'
 L = 80.71'
 R = 1265.78'
 E = 0.64'

KY 15 CONST C.L.
 P.I. STA. 1085+50.40
 D = 0°59'43" LT.

KY 15 CONST C.L.
 P.I. STA. 1090+04.19
 D = 3°39'43" LT.
 T = 185.92'
 L = 371.71'
 R = 5816.05'
 E = 2.97'

KY 15 CONST C.L.
 P.I. STA. 1092+65.47
 D = 1°28'09" LT.
 T = 75.48'
 L = 150.96'
 R = 5887.20'
 E = 0.48'

KY 15 CONST C.L.
 P.I. STA. 1093+60.47
 D = 0°32'31" LT.

KY 15 CONST C.L.
 P.I. STA. 1097+24.02
 D = 0°00'14" RT.

STA. 1098+50.00
 END
 KY 15 CONST.

STA. 1083+50.00
 BEGIN
 KY 15 CONST.

FOR LAKESIDE DRIVE
 DETAILS SEE SHEET R3

STA. 10+01.26 KY 3231 =
 STA 1087+04.60 KY 15
 ORIGINAL R/W C.L.

RT STA. 1096+33 - RT STA 1097+11
 CONSTRUCT 79 LIN.FT. EDGE KEY
 ON KY 1812.
 STA. 1097+25 CONST 56 L.F. EDGE KEY.

RT STA 1087+29 - RT STA 1096+00
 MILL 1.5 FT. WIDE AND 3.25 INCHES
 DEEP ON THE EDGE OF THE EXISTING
 PAVEMENT (MILLING AND TEXTURING -
 19 TONS).

RE-CONSTRUCT EXISTING DITCH TO
 A POSITIVE GRADE (DITCHING) AT
 THE FOLLOWING STATIONS RIGHT
 OF KY 15 C.L.:

- 1087+56 - 1088+00 - 44 LIN FT
- 1088+63 - 1090+00 - 137 LIN FT
- 1090+71 - 1091+40 - 69 LIN FT
- 1091+82 - 1092+15 - 33 LIN FT
- 1093+22 - 1096+48 - 414 LIN FT

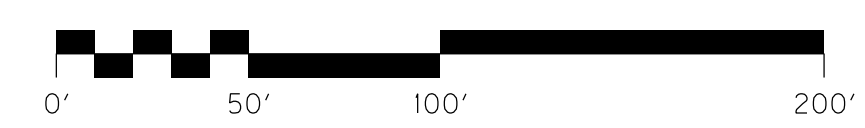
THE LOCATION OF UTILITIES PROVIDED IN THE CONTRACT DOCUMENTS HAS BEEN
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 INFORMATION MAY NOT BE EXACT NOR COMPLETE. IT WILL BE THE ROAD CONTRACTORS
 RESPONSIBILITY TO LOCATE UTILITIES BEFORE EXCAVATING BY CALLING THE VARIOUS
 UTILITY OWNERS AND BY EXAMINING ANY SUPPLEMENTAL INFORMATION PROVIDED BY
 THE CABINET AND/OR UTILITY OWNER. THE ROAD CONTRACTOR SHALL DETERMINE THE
 EXACT LOCATION AND ELEVATION OF UTILITIES BY HAND DIGGING TO EXPOSE
 UTILITIES BEFORE HE EXCAVATES IN THE AREA OF A UTILITY. THE COST FOR REPAIR
 AND ANY OTHER ASSOCIATED COSTS FOR ANY DAMAGE TO UTILITIES CAUSED BY THE
 ROAD CONTRACTORS OPERATIONS SHALL BE BORNE BY THE ROAD CONTRACTOR.

THE CONTRACTOR IS ADVISED TO CONTACT THE B.U.D. ONE-CALL SYSTEM; HOWEVER,
 THE CONTRACTOR SHOULD BE AWARE THAT THE OWNERS OF THE UNDERGROUND FACILITIES
 ARE NOT REQUIRED TO BE MEMBERS OF THE B.U.D. ONE-CALL SYSTEM. IT MAY BE
 NECESSARY FOR THE CONTRACTOR TO CONTACT THE COUNTY COURT CLERK TO DETERMINE
 WHAT UTILITY COMPANIES HAVE FACILITIES IN THE PROJECT AREA.

CAUTION

HAZARDOUS OR FLAMMABLE MATERIALS

THE CONTRACTOR IS ADVISED TO EXERCISE
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 WHERE THE PLANS INDICATE THE PRESENCE
 OF A GAS LINE OR OTHER LINES CARRYING
 HAZARDOUS MATERIALS.



SCALE: 1" = 50'

KENTUCKY 15 PLAN SHEET
 LANE WIDENING
 STA. 1084+50 TO STA. 1097+25

FILE NAME: G:\PWORK\MIN-JIANG\0492423\RI01000PL.DGN
 USER: Min.Jiang
 DATE PLOTTED: September 16, 2013
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 MicroStation v8.11.7.443

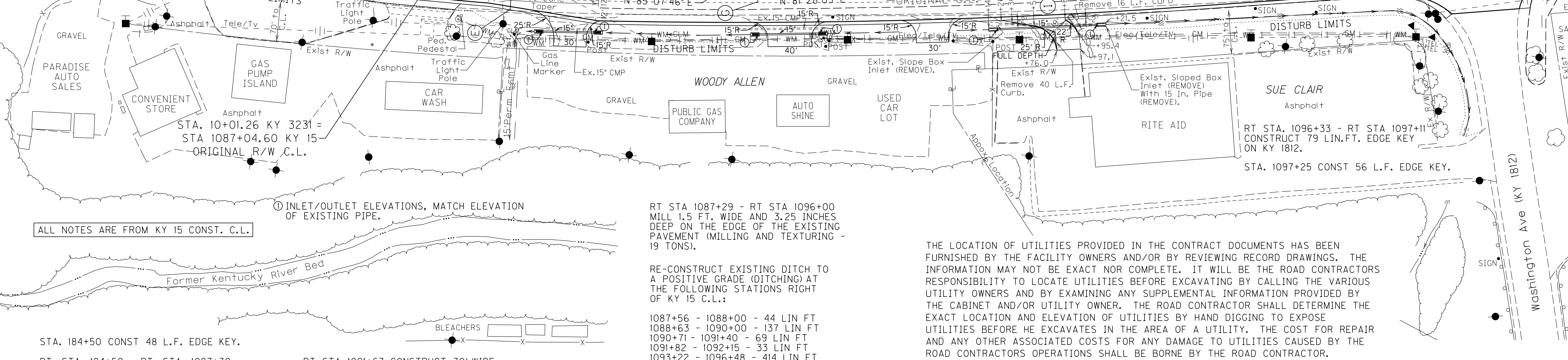
ALL NOTES ARE FROM KY 15 CONST. C.L.

INLET/OUTLET ELEVATIONS, MATCH ELEVATION
 OF EXISTING PIPE.

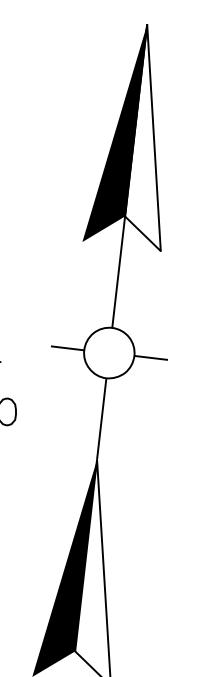
- STA. 184+50 CONST 48 L.F. EDGE KEY.
- RT. STA. 184+50 - RT. STA. 1087+30
 CONSTRUCT ASPHALT APRON (142 SQ.
 YDS.).
- RT STA 1088+33.00 CONSTRUCT 30' WIDE
 ENTRANCE (57 SQ YDS ASPHALT) WITH 48
 LIN FT 15 INCH ENTRANCE PIPE AND 2
 SLOPED BOX OUTLETS TYPE 1 - 15 INCH.
- RT STA 1090+33 CONSTRUCT 40' WIDE
 ENTRANCE (60 SQ YDS ASPHALT) WITH 56
 LIN FT 15 INCH ENTRANCE PIPE AND 2
 SLOPED BOX OUTLETS TYPE 1 - 15 INCH.

- RT STA 1091+63 CONSTRUCT 30' WIDE
 ENTRANCE (47 SQ YDS ASPHALT); NO
 PIPE.
- RT STA 1092+26.4 - RT STA 1093+97.1
 RECONSTRUCT ENTRANCE TO RITE AID
 USING FULL DEPTH ENT PAVEMENT (6
 SQUARE YARDS) AND ASPHALT OVERLAY
 (90 SQUARE YARDS) WITH 69 LIN FT STD.
 HEADER CURB AND 92 LIN FT 15 IN ENT
 PIPE WITH 2 - 15 IN SLOPED BOX OUT-
 LETS. REMOVE EXISTING 15 INCH PIPE
 REFILL WITH CRUSHED STONE BASE
 (35 TONS).

FOOTBALL
 FIELD



REVISD 9-25-13



- KY 15 CONST C.L.
- (A) POB 1083+50.00
 - (B) PI 1084+50.00
 - (C) PI 1085+50.40
 - (D) PC 1087+37.56
 - (E) PI 1087+77.93
 - (F) PCC 1088+18.27
 - (G) PI 1090+04.19
 - (H) PCC 1091+89.98
 - (I) PI 1092+65.47
 - (J) PT 1093+40.94
 - (K) PI 1093+60.47
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 - (M) POE 1098+50.00

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 D = 34 58'06" LT.
 T = 1474.78'
 L = 2857.42'
 R = 4681.90'
 E = 226.78'

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 PI STA. 15+89.12
 D=11°28'42" Left
 C=3°16'06"
 T=176.18'
 L=351.19'
 R=1753'
 E=8.83'
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LAKESIDE DRIVE
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 D=49°11'19" Right
 C=3°1'49'52"
 T=82.39'
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 P.I. STA. 1085+50.40
 D = 0°59'43" LT.

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KY 15 CONST C.L.
 P.I. STA. 1093+60.47
 D = 0°32'31" LT.

KY 15 CONST C.L.
 P.I. STA. 1097+24.02
 D = 0°00'14" RT.

STA. 1098+50.00
 END
 KY 15 CONST.

STA. 1083+50.00
 BEGIN
 KY 15 CONST.

FOR LAKESIDE DRIVE
 DETAILS SEE SHEET R3

CECIL CLAIR
 RANDALL CLAIR
 RENEE CAMPBELL &
 KIMBERLY SOUTHWOOD

FILE NAME: G:\PWORK\MIN-JIANG\0492423\RI01000PL.DGN

USER: Min-Jiang
 DATE PLOTTED: September 16, 2013

E-SHEET NAME:
 MicroStation v8.11.7.443

ALL NOTES ARE FROM KY 15 CONST. C.L.

INLET/OUTLET ELEVATIONS, MATCH ELEVATION
 OF EXISTING PIPE.

RT STA 1087+29 - RT STA 1096+00
 MILL 1.5 FT. WIDE AND 3.25 INCHES
 DEEP ON THE EDGE OF THE EXISTING
 PAVEMENT (MILLING AND TEXTURING -
 19 TONS).

RE-CONSTRUCT EXISTING DITCH TO
 A POSITIVE GRADE (DITCHING) AT
 THE FOLLOWING STATIONS RIGHT
 OF KY 15 C.L.:

- 1087+56 - 1088+00 - 44 LIN FT
- 1088+63 - 1090+00 - 137 LIN FT
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 WHERE THE PLANS INDICATE THE PRESENCE
 OF A GAS LINE OR OTHER LINES CARRYING
 HAZARDOUS MATERIALS.

STA. 184+50 CONST 48 L.F. EDGE KEY.

RT. STA. 184+50 - RT. STA. 1087+30
 CONSTRUCT ASPHALT APRON (142 SQ.
 YDS.).

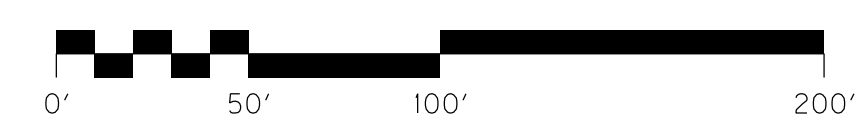
RT STA 1088+33.00 CONSTRUCT 30' WIDE
 ENTRANCE (57 SQ YDS ASPHALT) WITH 48
 LIN FT 15 INCH ENTRANCE PIPE AND 2
 SLOPED BOX OUTLETS TYPE 1 - 15 INCH.

RT STA 1090+33 CONSTRUCT 40' WIDE
 ENTRANCE (60 SQ YDS ASPHALT) WITH 56
 LIN FT 15 INCH ENTRANCE PIPE AND 2
 SLOPED BOX OUTLETS TYPE 1 - 15 INCH.

RT STA 1091+63 CONSTRUCT 30' WIDE
 ENTRANCE (47 SQ YDS ASPHALT); NO
 PIPE.

RT STA 1092+26.4 - RT STA 1093+97.1
 RECONSTRUCT ENTRANCE TO RITE AID
 USING FULL DEPTH ENT PAVEMENT (6
 SQUARE YARDS) AND ASPHALT OVERLAY
 (90 SQUARE YARDS) WITH 69 LIN FT STD.
 HEADER CURB AND 92 LIN FT 15 IN ENT
 PIPE WITH 2 - 15 IN SLOPED BOX OUT-
 LETS. REMOVE EXISTING 15 INCH PIPE
 REFILL WITH CRUSHED STONE BASE
 (35 TONS).

FOOTBALL
 FIELD



SCALE: 1" = 50'

KENTUCKY 15 PLAN SHEET
 LANE WIDENING
 STA. 1084+50 TO STA. 1097+25

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER					SOURCE OF TITLE	REMARKS*
		ACRES	SQ. FT.	ACRES	SQ. FT.	PERMANENT SQ. FT.	TEMPORARY SQ. FT.	LEFT		RIGHT		ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S			
								ACRES	SQ. FT.	ACRES	SQ. FT.														
1	THE HOGG FAMILY TRUST JANE M. HOGG, TRUSTEE	8 +/-		4.56				3.03		0.413		0.413		3.03 +/-	4	NO						DB 187 PG 51	AREA CALCULATED FROM DEED DESCRIPTION		
2	SUE CLAIR	127 +/-					208,263			127 +/-				127 +/-	4	NO						DB 176 PG 155 TRACT II PARCEL NO. 2			
3	R. FRED AND LINDA COMBS (HUSBAND AND WIFE) SHARON R. AND RICHARD BUSH (WIFE AND HUSBAND)	70.75 +/-		13.60						57.15 +/-				57.15 +/-	4	NO						DB 178 PG 174 TRACT NO. 1 WB 3 PG 582	AREA OBTAINED FROM PVA		
4	ROGER FRILEY ROSE FRILEY (WIFE)	0.81													3	NO						DB 186 PG 649 DB 191 PG 135 PB 1 PG 26	PARCEL NOT USED		
5	HOMER JOHNSON GEORGIE JOHNSON (WIFE)	1.85													3	NO						DB 147 PG 1 PB 1 PG 26	PARCEL NOT USED		
6	GEORGE DANIEL STRONG		15000		15000									TOTAL TAKE	3	NO						DB 220 PG 177 PB 1 PG 26	AREA CALCULATED FROM MAPPING		
7	BELL SOUTH	2.26													3	NO						DB 142 PG 79	PARCEL NOT USED		
8	DARRELL MILLER OLLIE J. MILLER	2.11													3	NO						DB 200 PG 581	PARCEL NOT USED		
9	THE BREATHITT COUNTY INDUSTRIAL DEVELOPMENT FOUNDATION INC.	31.6					134,544							31.6	4	NO						DB 184 PG 530			
10	NATIONAL HEALTH INVESTORS INC.	5.00													3	NO						DB 169 PG 68	PARCEL NOT USED		
11	EDNA ANDERSON AND KATRINA ANDERSON	1.21																					PARCEL NOT USED		
12	GEORGE DANIEL STRONG		7500		7500									TOTAL TAKE	3	NO				1		DB 244 PG 127 DB 244 PG 134	AREA CALCULATED FROM MAPPING		
13	CICEL CLAIR, RANDALL CLAIR, RENEE CAMPBELL AND KIMBERLY SOUTHWOOD	100 +/-		1.69						98.31 +/-				98.31 +/-	4	NO						DB 176 PG 88			

FILE NAME: C:\PWORK\MIN-JIANG\0825264\ROI200RW.DGN

USER: Min-Jiang
DATE PLOTTED: September 13, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

NOTE: PERMANENT R/W ACQUIRED + AREA SEVERED = TOTAL AREA OF TRACT.
NOTE: ALL AREAS DETERMINED FROM DEED UNLESS OTHERWISE NOTED

THE CONTROL OF ACCESS ON THIS PROJECT SHALL BE BY PERMIT

TYPE SEWER SYSTEM
1. PRIVATE - INDIVIDUAL
2. PRIVATE - MULTI PARTY
3. PUBLIC
4. NONE
5. NOT APPLICABLE

BUILDINGS ACQUIRED CODE
C - COMMERCIAL
R - RESIDENTIAL
F - FARM
S - STORAGE

*INCLUDES HAZARDOUS WASTE (UST - UNDERGROUND STORAGE TANKS)

RIGHT OF WAY SUMMARY SHEET

△ REVISED 9-25-13

RIGHT OF WAY SUMMARY

PARCEL NO.	OWNER(S)	TOTAL AREA OF TRACT		PERMANENT R/W ACQUIRED		EASEMENTS		AREA SEVERED				EXCESS PURCHASED		PORTION REMAINING		SEWER SYSTEM TYPE	SEWER SYSTEM AFFECTED BY PROJECT		BUILDINGS ACQUIRED NUMBER				SOURCE OF TITLE	REMARKS*	
		ACRES	SQ. FT.	ACRES	SQ. FT.	PERMANENT SQ. FT.	TEMPORARY SQ. FT.	LEFT		RIGHT		ACRES	SQ. FT.	ACRES	SQ. FT.		YES	NO	C	R	F	S			
								ACRES	SQ. FT.	ACRES	SQ. FT.														
1	THE HOGG FAMILY TRUST JANE M. HOGG, TRUSTEE	8 +/-		4.56				3.03		0.413			0.413		3.03 +/-	4		NO					DB 187 PG 51	AREA CALCULATED FROM DEED DESCRIPTION	
2	SUE CLAIR	127 +/-					208,263			127 +/-					127 +/-	4		NO					DB 176 PG 155 TRACT II PARCEL NO. 2		
3	R. FRED AND LINDA COMBS (HUSBAND AND WIFE) SHARON R. AND RICHARD BUSH (WIFE AND HUSBAND)	70.75 +/-		13.60						57.15 +/-				57.15 +/-	4		NO						DB 178 PG 174 TRACT NO. 1 WB 3 PG 582	AREA OBTAINED FROM PVA	
4	ROGER FRILEY ROSE FRILEY (WIFE)	0.81														3		NO					DB 186 PG 649 DB 191 PG 135 PB 1 PG 26	PARCEL NOT USED	
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6	GEORGE DANIEL STRONG		15000		15000										TOTAL TAKE	3		NO					DB 220 PG 177 PB 1 PG 26	AREA CALCULATED FROM MAPPING	
7	BELL SOUTH	2.26														3		NO					DB 142 PG 79	PARCEL NOT USED	
8	DARRELL MILLER OLLIE J. MILLER	2.11														3		NO					DB 200 PG 581	PARCEL NOT USED	
9	THE BREATHITT COUNTY INDUSTRIAL DEVELOPMENT FOUNDATION INC.	31.6					134,544							31.6		4		NO					DB 184 PG 530		
10	NATIONAL HEALTH INVESTORS INC.	5.00														3		NO					DB 169 PG 68	PARCEL NOT USED	
11	EDNA ANDERSON AND KATRINA ANDERSON	1.21																							PARCEL NOT USED
12	GEORGE DANIEL STRONG		7500		7500										TOTAL TAKE	3		NO				1	DB 244 PG 127 DB 244 PG 134	AREA CALCULATED FROM MAPPING	
13	CICEL CLAIR, RANDALL CLAIR, RENEE CAMPBELL AND KIMBERLY SOUTHWOOD	100 +/-		1.69						98.31 +/-				98.31 +/-	4		NO						DB 176 PG 88		

FILE NAME: G:\PWORK\MIN. JIANG\0825264\01200RW.DGN
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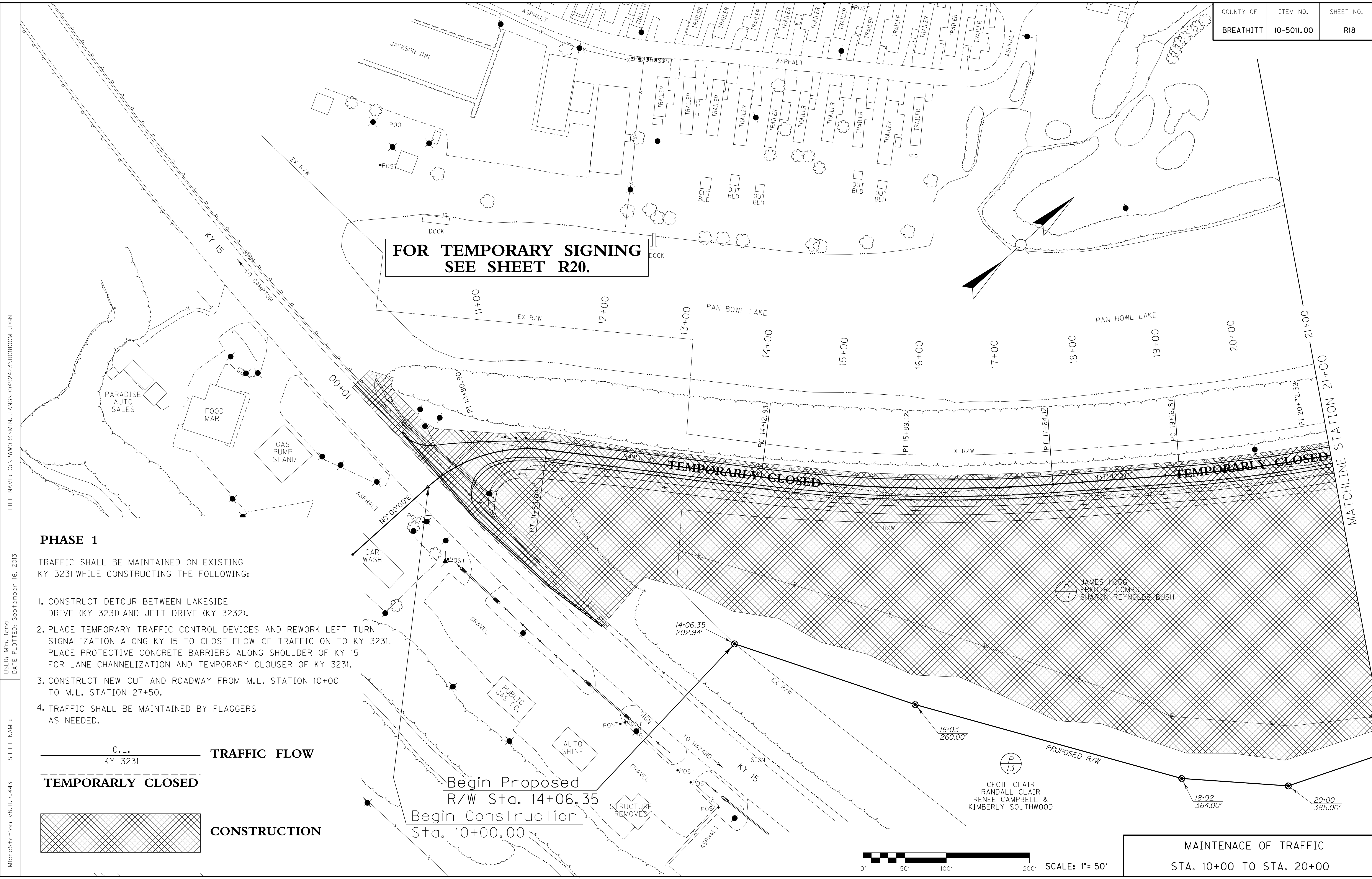
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*INCLUDES HAZARDOUS WASTE
 (UST - UNDERGROUND STORAGE TANKS)

RIGHT OF WAY SUMMARY SHEET

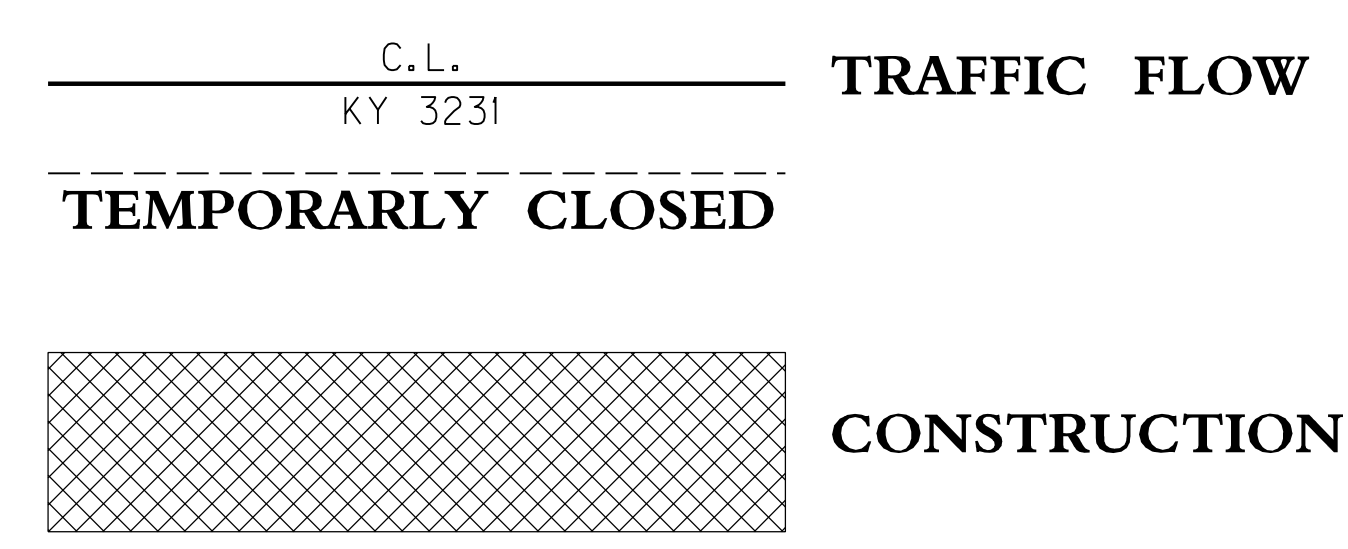
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PHASE 1

TRAFFIC SHALL BE MAINTAINED ON EXISTING KY 3231 WHILE CONSTRUCTING THE FOLLOWING:

1. CONSTRUCT DETOUR BETWEEN LAKESIDE DRIVE (KY 3231) AND JETT DRIVE (KY 3232).
2. PLACE TEMPORARY TRAFFIC CONTROL DEVICES AND REWORK LEFT TURN SIGNALIZATION ALONG KY 15 TO CLOSE FLOW OF TRAFFIC ON TO KY 3231. PLACE PROTECTIVE CONCRETE BARRIERS ALONG SHOULDER OF KY 15 FOR LANE CHANNELIZATION AND TEMPORARY CLOUSER OF KY 3231.
3. CONSTRUCT NEW CUT AND ROADWAY FROM M.L. STATION 10+00 TO M.L. STATION 27+50.
4. TRAFFIC SHALL BE MAINTAINED BY FLAGGERS AS NEEDED.

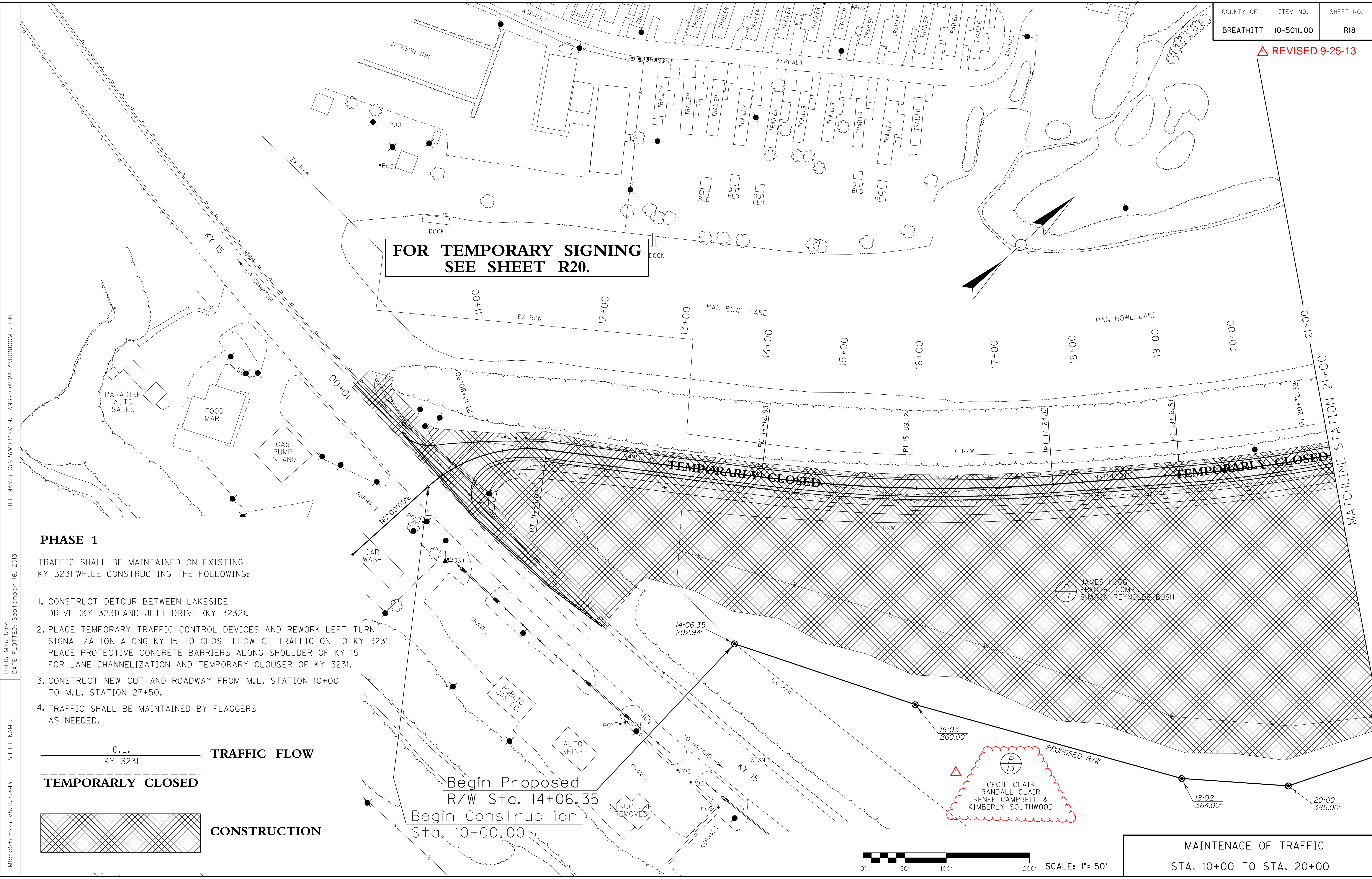


Begin Proposed R/W Sta. 14+06.35
 Begin Construction Sta. 10+00.00



MAINTENANCE OF TRAFFIC
 STA. 10+00 TO STA. 20+00

△ REVISED 9-25-13

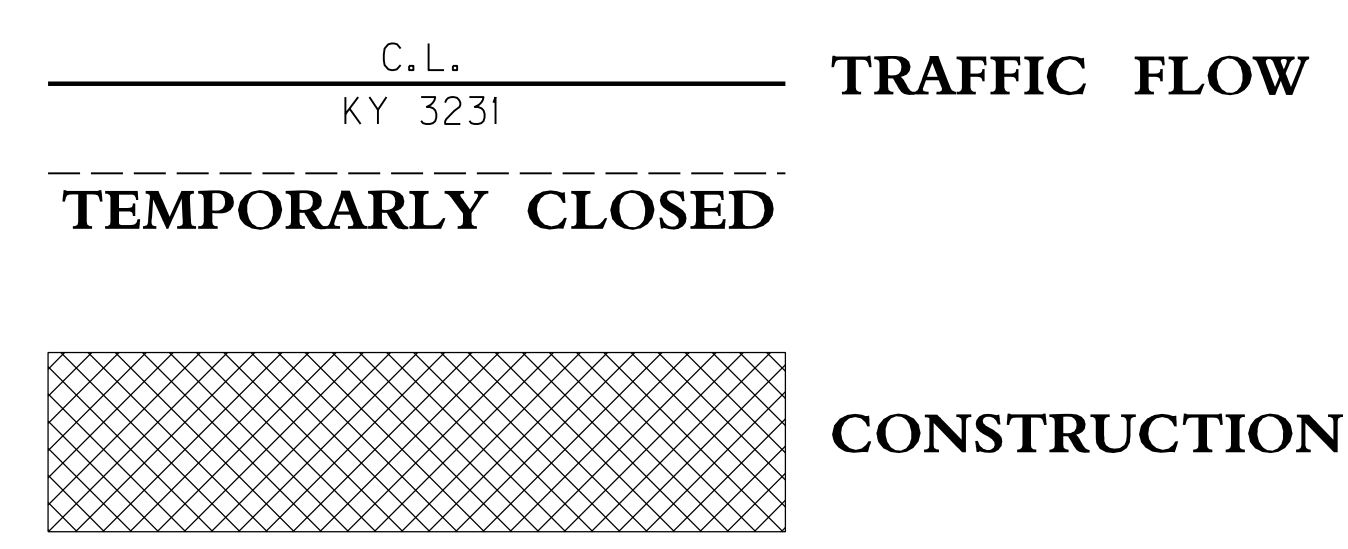


**FOR TEMPORARY SIGNING
SEE SHEET R20.**

PHASE 1

TRAFFIC SHALL BE MAINTAINED ON EXISTING KY 3231 WHILE CONSTRUCTING THE FOLLOWING:

1. CONSTRUCT DETOUR BETWEEN LAKESIDE DRIVE (KY 3231) AND JETT DRIVE (KY 3232).
2. PLACE TEMPORARY TRAFFIC CONTROL DEVICES AND REWORK LEFT TURN SIGNALIZATION ALONG KY 15 TO CLOSE FLOW OF TRAFFIC ON TO KY 3231. PLACE PROTECTIVE CONCRETE BARRIERS ALONG SHOULDER OF KY 15 FOR LANE CHANNELIZATION AND TEMPORARY CLOUSER OF KY 3231.
3. CONSTRUCT NEW CUT AND ROADWAY FROM M.L. STATION 10+00 TO M.L. STATION 27+50.
4. TRAFFIC SHALL BE MAINTAINED BY FLAGGERS AS NEEDED.



Begin Proposed R/W Sta. 14+06.35
Begin Construction Sta. 10+00.00



MAINTENANCE OF TRAFFIC
STA. 10+00 TO STA. 20+00

FILE NAME: C:\PWORK\MIN-JIANG\00492423\RO1800MT.DGN

USER: Min.Jiang
DATE PLOTTED: September 16, 2013

E-SHEET NAME:

MicroStation v8.11.7.443

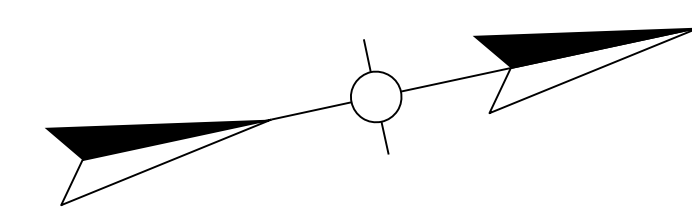
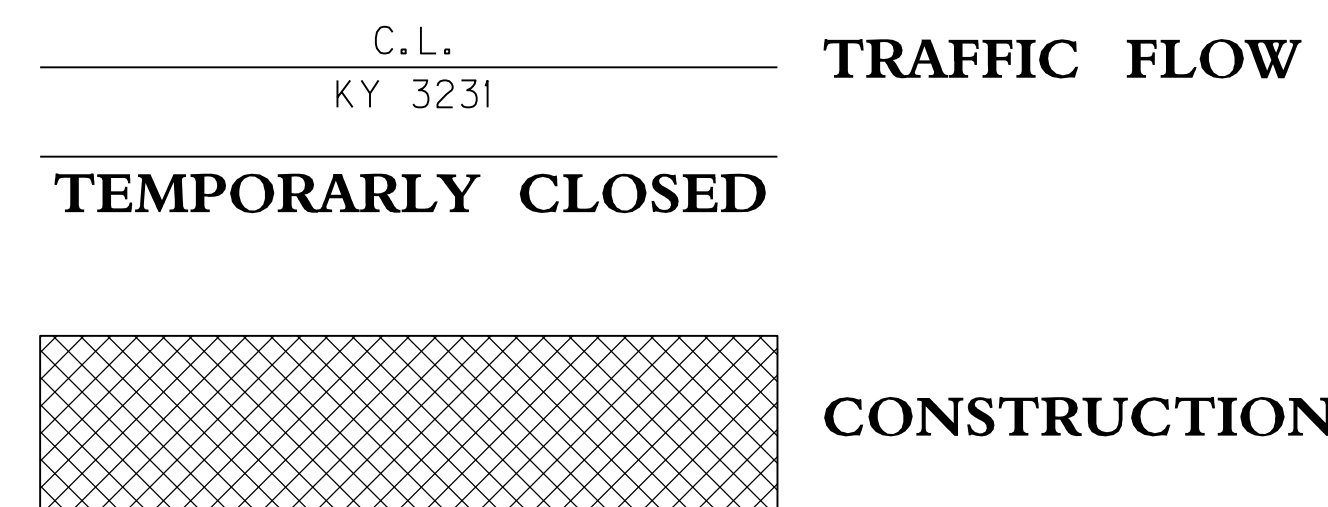
PHASE 1

TRAFFIC SHALL BE MAINTAINED ON EXISTING KY 3231 WHILE CONSTRUCTING THE FOLLOWING:

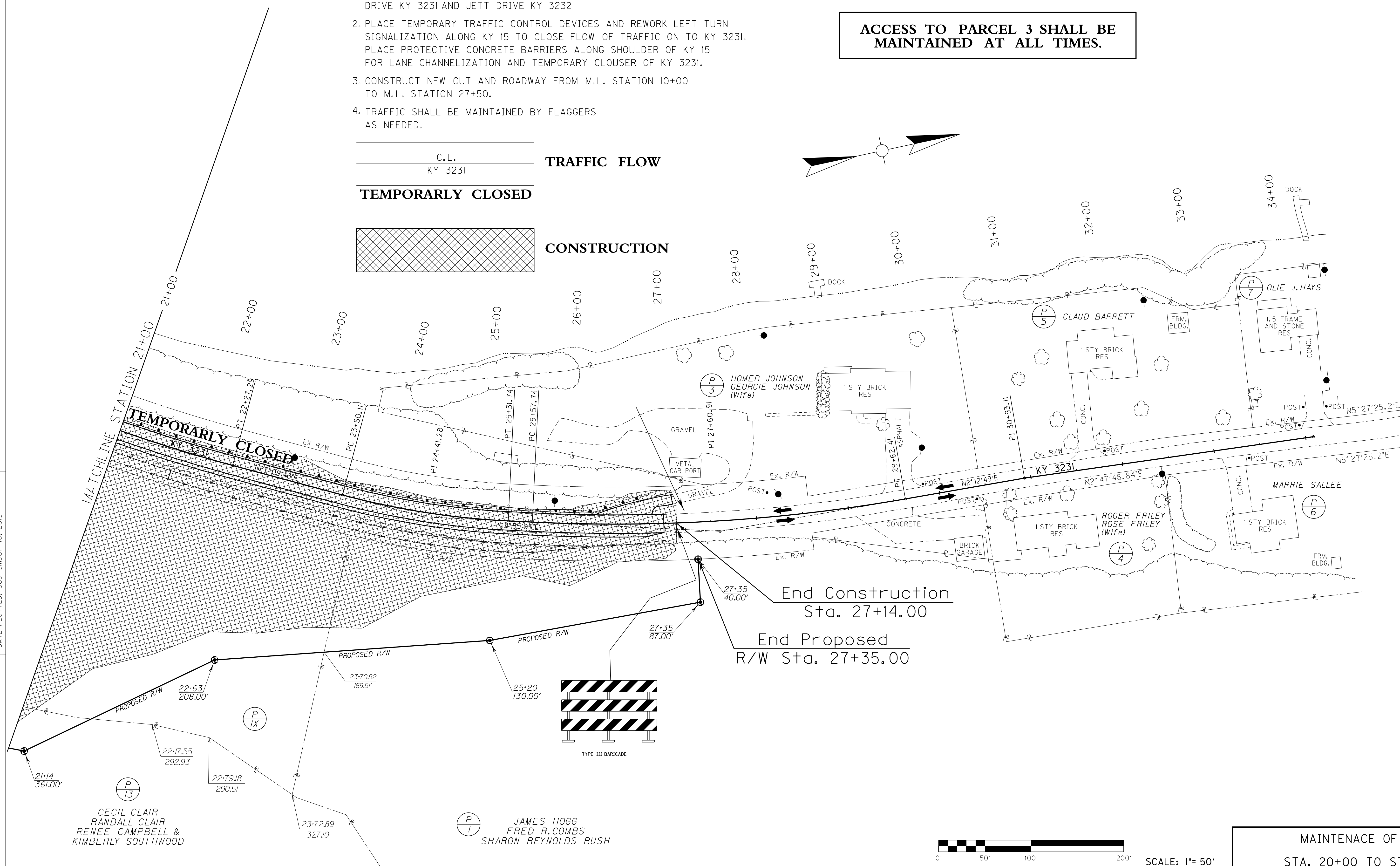
1. CONSTRUCT TEMPORARY DIVERSION BETWEEN LAKESIDE DRIVE KY 3231 AND JETT DRIVE KY 3232
2. PLACE TEMPORARY TRAFFIC CONTROL DEVICES AND REWORK LEFT TURN SIGNALIZATION ALONG KY 15 TO CLOSE FLOW OF TRAFFIC ON TO KY 3231. PLACE PROTECTIVE CONCRETE BARRIERS ALONG SHOULDER OF KY 15 FOR LANE CHANNELIZATION AND TEMPORARY CLOUSER OF KY 3231.
3. CONSTRUCT NEW CUT AND ROADWAY FROM M.L. STATION 10+00 TO M.L. STATION 27+50.
4. TRAFFIC SHALL BE MAINTAINED BY FLAGGERS AS NEEDED.

**FOR TEMPORARY SIGNING
SEE SHEET R20.**

**ACCESS TO PARCEL 3 SHALL BE
MAINTAINED AT ALL TIMES.**



FILE NAME: C:\PWORK\MIN.JIANG\00492423\R01900MT.DGN
 USER: Min.Jiang
 DATE PLOTTED: September 16, 2013
 E-SHEET NAME:
 MicroStation v8.11.7.443



End Construction
Sta. 27+14.00

End Proposed
R/W Sta. 27+35.00

MAINTENANCE OF TRAFFIC
STA. 20+00 TO STA. 27+00

△ REVISED 9-25-13

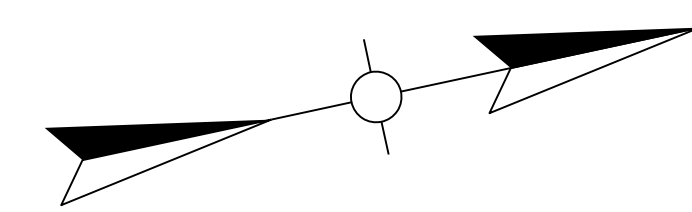
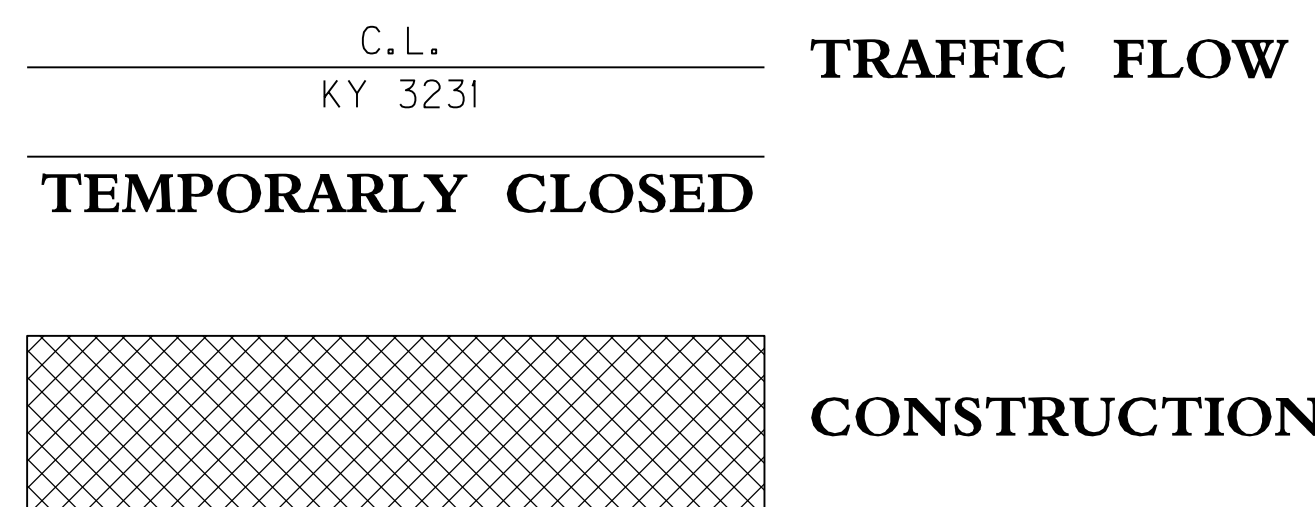
PHASE 1

TRAFFIC SHALL BE MAINTAINED ON EXISTING KY 3231 WHILE CONSTRUCTING THE FOLLOWING:

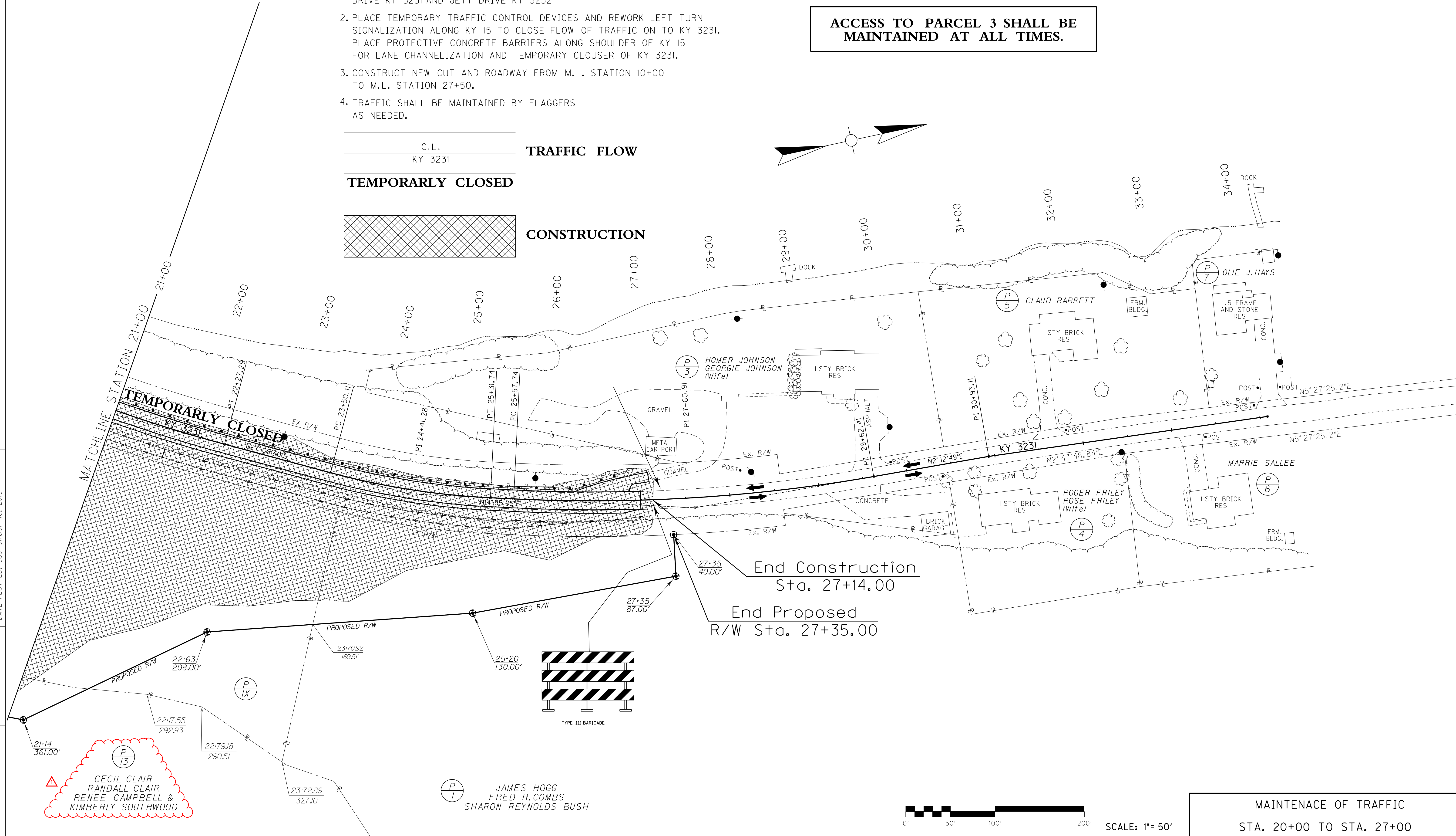
1. CONSTRUCT TEMPORARY DIVERSION BETWEEN LAKESIDE DRIVE KY 3231 AND JETT DRIVE KY 3232
2. PLACE TEMPORARY TRAFFIC CONTROL DEVICES AND REWORK LEFT TURN SIGNALIZATION ALONG KY 15 TO CLOSE FLOW OF TRAFFIC ON TO KY 3231. PLACE PROTECTIVE CONCRETE BARRIERS ALONG SHOULDER OF KY 15 FOR LANE CHANNELIZATION AND TEMPORARY CLOUSER OF KY 3231.
3. CONSTRUCT NEW CUT AND ROADWAY FROM M.L. STATION 10+00 TO M.L. STATION 27+50.
4. TRAFFIC SHALL BE MAINTAINED BY FLAGGERS AS NEEDED.

**FOR TEMPORARY SIGNING
SEE SHEET R20.**

**ACCESS TO PARCEL 3 SHALL BE
MAINTAINED AT ALL TIMES.**

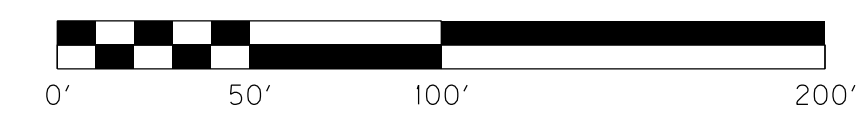


FILE NAME: C:\PWORK\MIN.JIANG\00492423\01900MT.DGN
 USER: Min.Jiang
 DATE PLOTTED: September 16, 2013
 E-SHEET NAME:
 MicroStation v8.11.7.443



△
 P 13
 CECIL CLAIR
 RANDALL CLAIR
 RENEE CAMPBELL &
 KIMBERLY SOUTHWOOD

P 1
 JAMES HOGG
 FRED R.COMBS
 SHARON REYNOLDS BUSH



SCALE: 1"= 50'

MAINTENANCE OF TRAFFIC
 STA. 20+00 TO STA. 27+00

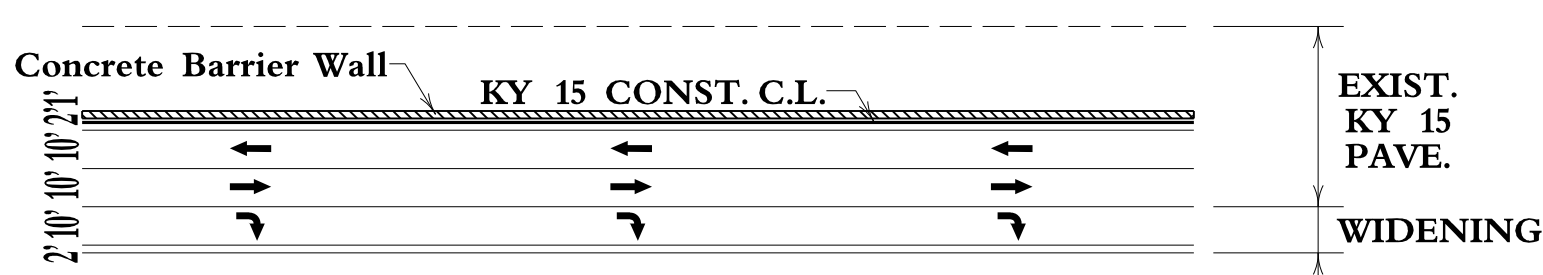
MAINTAINCE OF TRAFFIC KY 15 PHASE 1

TRAFFIC SHALL BE MAINTAINED ON EXISTING STRIPED LANES OF KY 15 WHILE CONSTRUCTING THE FOLLOWING.

1. PLACE ALL TRAFFIC CONTROL SIGNING PRIOR TO PAVEMENT WIDENING ON KY 15.
2. CONSTRUCT PAVEMENT WIDENING ADJACENT TO KY 15 SOUTH BOUND RIGHT TURN LANE (AS SHOWN ON SHEET R11). TRAFFIC SHALL BE MAINTAINED BY FLAGGERS DURING THIS OPERATION.
3. EXISTING LANE STRIPING IS TO BE BLACKED OUT (AS NEEDED) AND RESTRIPE AS PER MOT STRIPING SECTION. TRAFFIC SHALL BE MAINTAINED BY FLAGGERS DURING THIS OPERATION.
4. DIRECT TRAFFIC TOWARD THE NEW LANES AND PLACE PROTICIVE CONCRETE BARRIERS ALONG KY 15. TRAFFIC SHALL BE MAINTAINED BY FLAGGERS DURING THIS OPERATION.
5. BEGIN CONSTRUCTION ON LAKESIDE DRIVE KY 3231.

PHASE 1 - KY 15 WIDENING

PHASE 1 - LAKESIDE DRIVE CONSTRUCTION



KY 15 CONST. C.L.
P.I. STA. 1085+50.40
D = 0°59'43" LT.

TRAFFIC FLOW PHASE 1

STA. 1084+50 TO STA. 1097+25 RIGHT AND LEFT OF CONST. C.L. REMOVE EXISTING THERMOPLASTIC ARROWS, (9 EACH).

STA. 1083+50 TO STA. 1096+00 USE WATER BLASTING TO REMOVE 2361 LIN FT OF EXISTING PAVEMENT STRIPING

KY 15 CONST. C.L.
P.I. STA. 1090+04.19
D = 3°39'43" LT.
T = 185.92'
L = 371.71
R = 5816.05
E = 2.97'

KY 15 CONST. C.L.
P.I. STA. 1092+65.47
D = 1°28'09" LT.
T = 75.48'
L = 150.96'
R = 5887.20
E = 0.48'

KY 15 CONST. C.L.
P.I. STA. 1093+60.47
D = 0°32'31" LT.

KY 15 CONST. C.L.
P.I. STA. 1097+24.02
D = 0°00'14" RT.

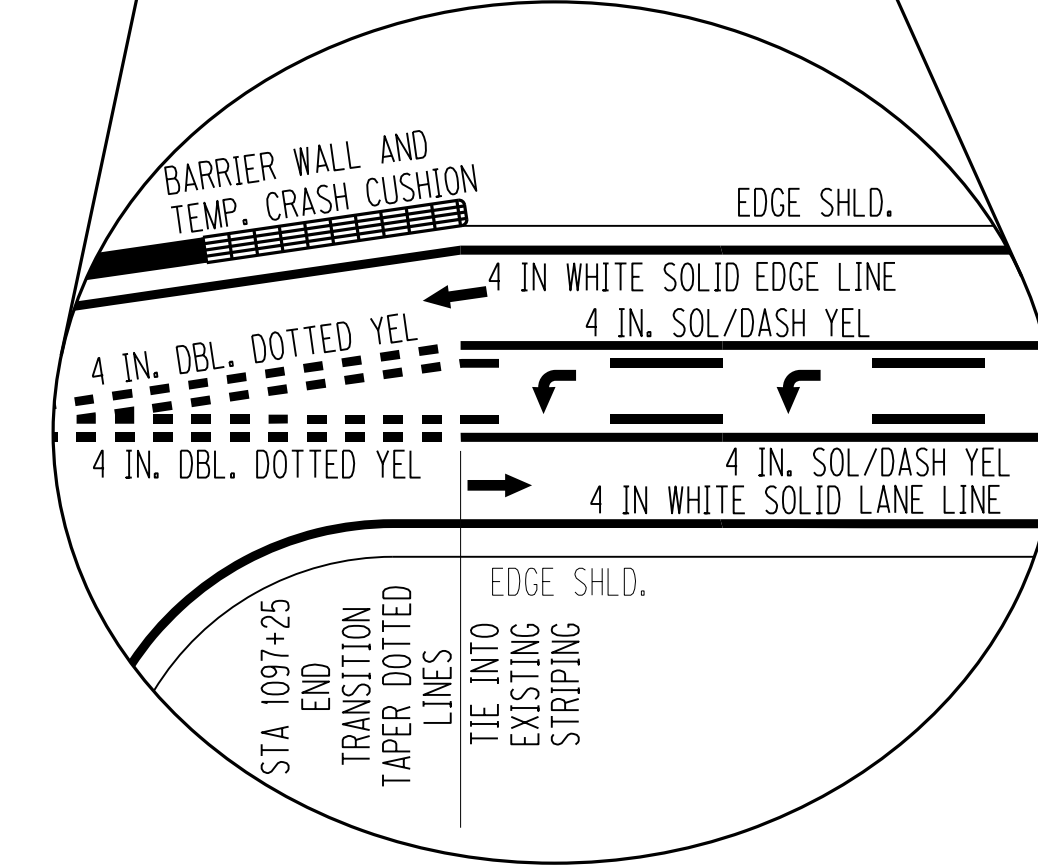
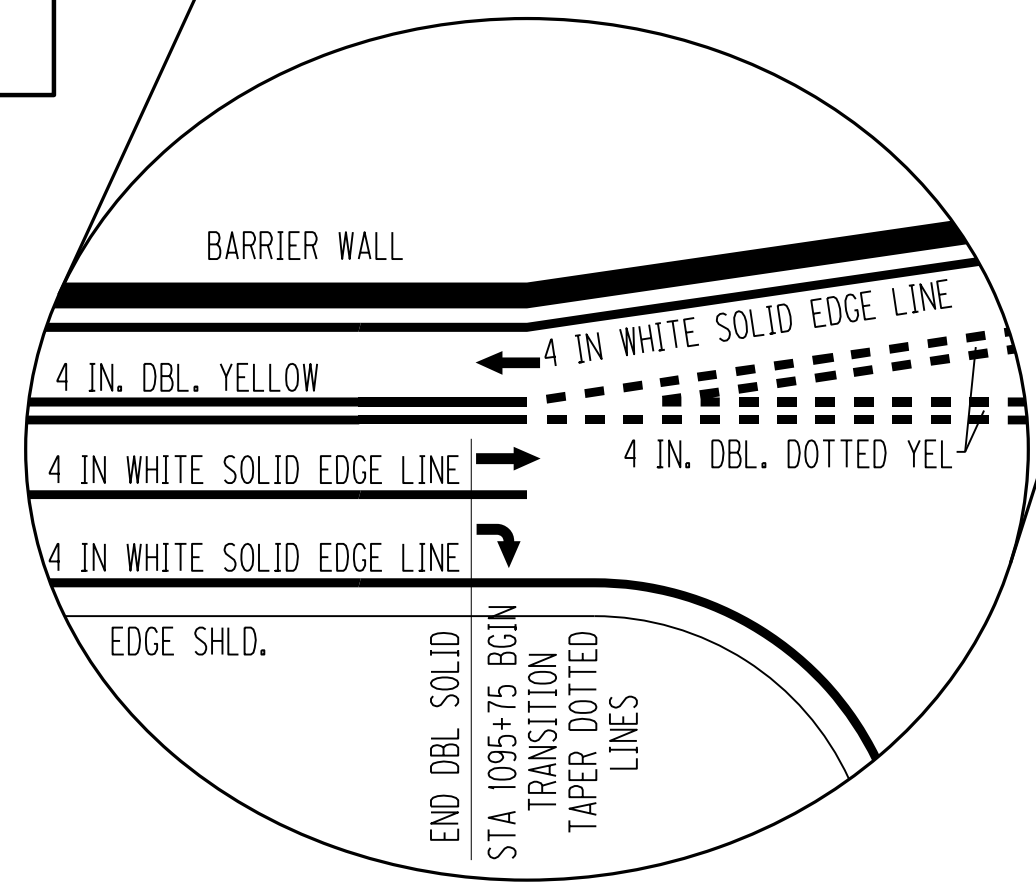
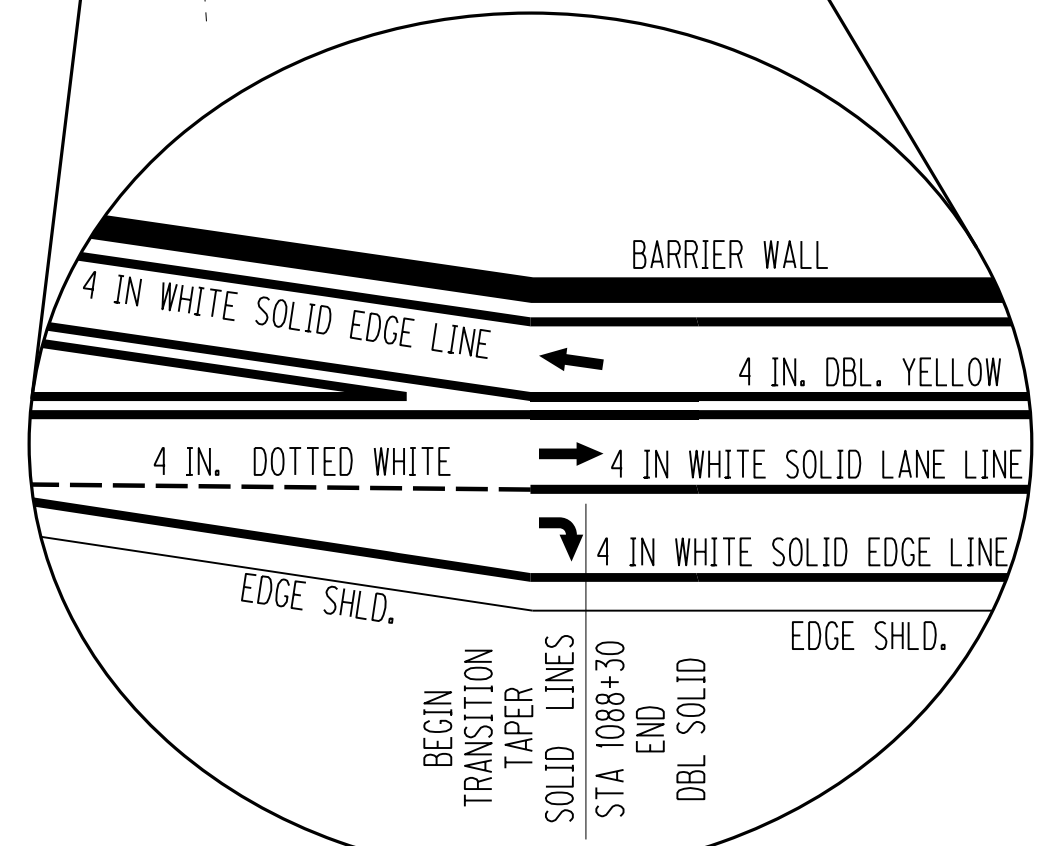
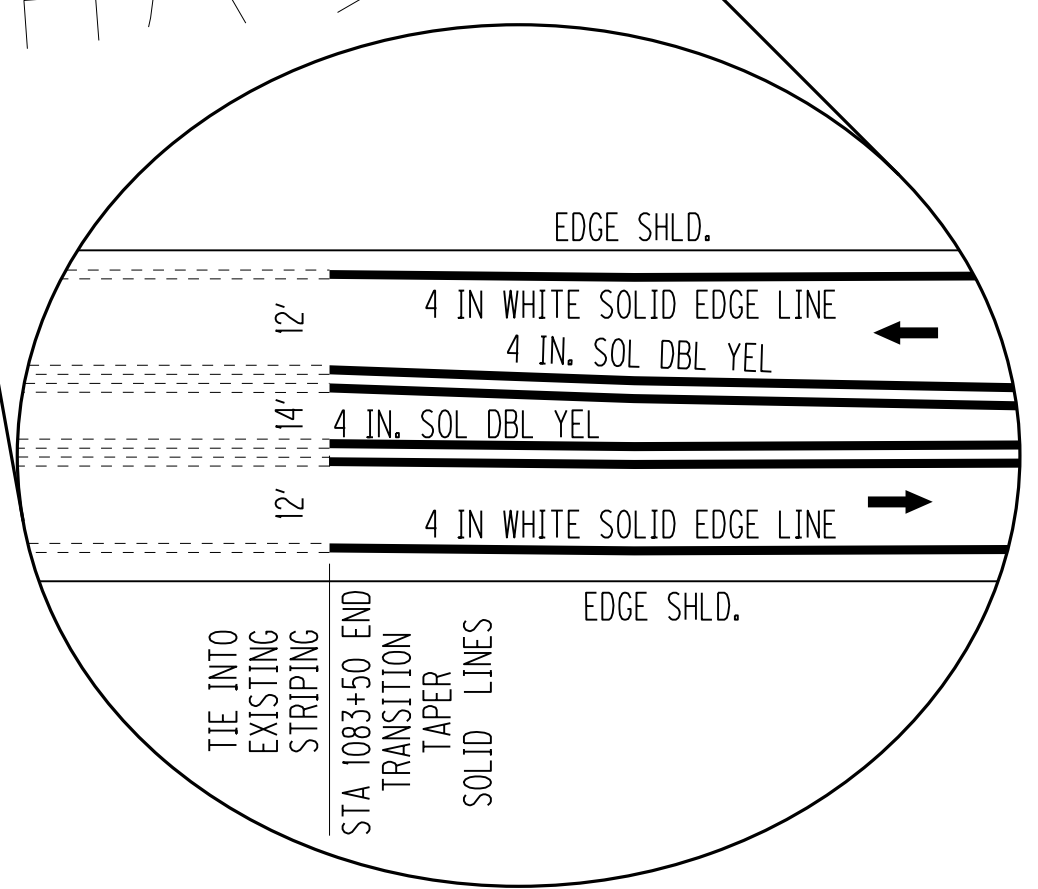
LT. STA. 1086+80 TO LT. STA. 1097+00
CONST. 1020 LIN. FT. CONCRETE BARRIER WALL TYPE 9T WITH CRASH CUSHION TYPE VI BT TL 2 ON EACH END (2 EACH).

KY 15 CONST. C.L.
P.I. STA. 1087+77.93
D = 3°39'12" LT.
T = 40.37'
L = 80.71'
R = 1265.78'
E = 0.64'

STA. 1086+44 REMOVE 32 LIN FT OF 24' EXISTING THERMOPLASTIC STOP BAR.

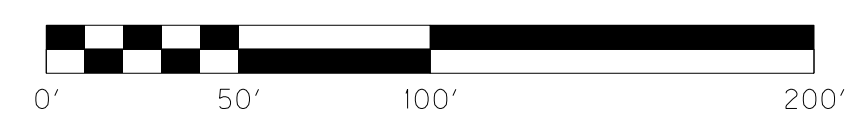
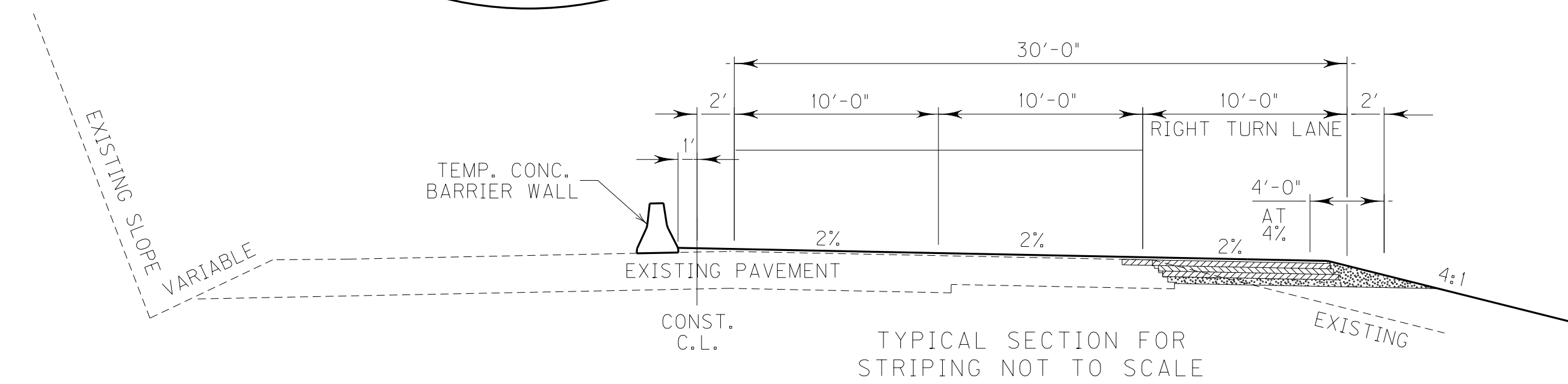
STA. 1086+53 REMOVE 93 LIN FT OF 4' EXISTING THERMOPLASTIC CROSS WALK.

FOR TEMPORARY SIGNING SEE SHEET R20.



• TOTAL FOR BOTH LINES

LOCATION	SOLID WHITE	SOLID DBL YELW*	DOTTED WHITE	DOTTED DBL YEL*
LT STA 1083+50 - LT STA 1088+50	449 LF	900 LF		
RT STA 1083+50 - RT STA 1088+50	454 LF	900 LF		
RT STA 1088+50 - RT STA 1093+50		1264 LF		
LT STA 1088+50 - RT STA 1094+75	776 LF			
RT STA 1093+50 - RT STA 1094+75		500 LF		
RT STA 1094+75 - LT STA 1097+25				150 LF
RT STA 1094+75 - RT STA 1097+25			39 LF	150 LF
RT STA 1088+50 - RT STA 1094+75	750 LF			
RT STA 1094+75 - RT STA 1095+40	72 LF			
COMBINED TOTAL - 6405 LF	2502 LF	3564 LF	39 LF	300 LF



SCALE: 1" = 50'

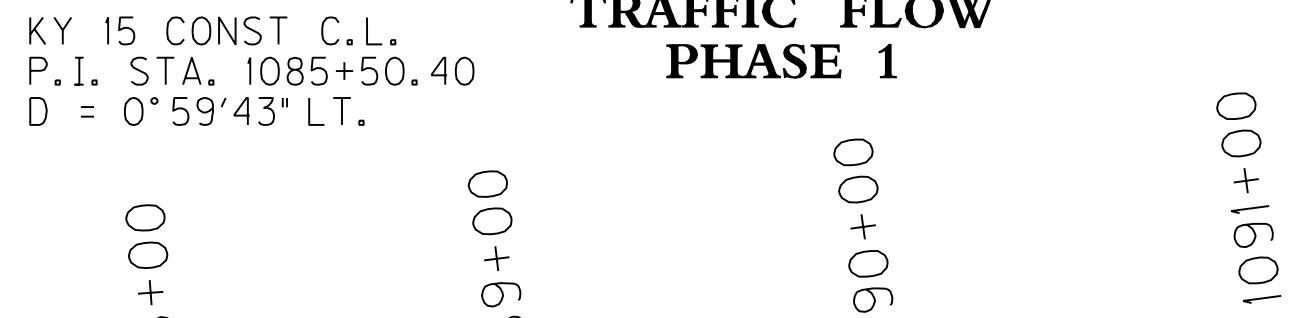
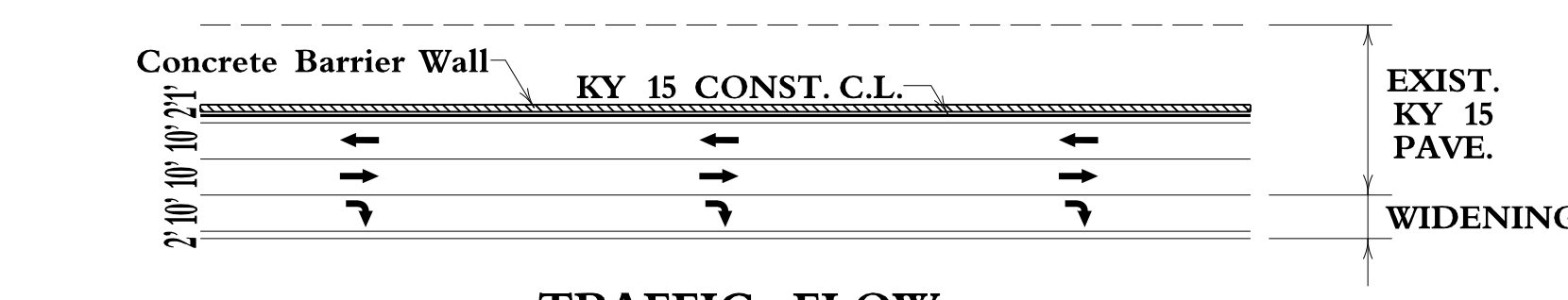
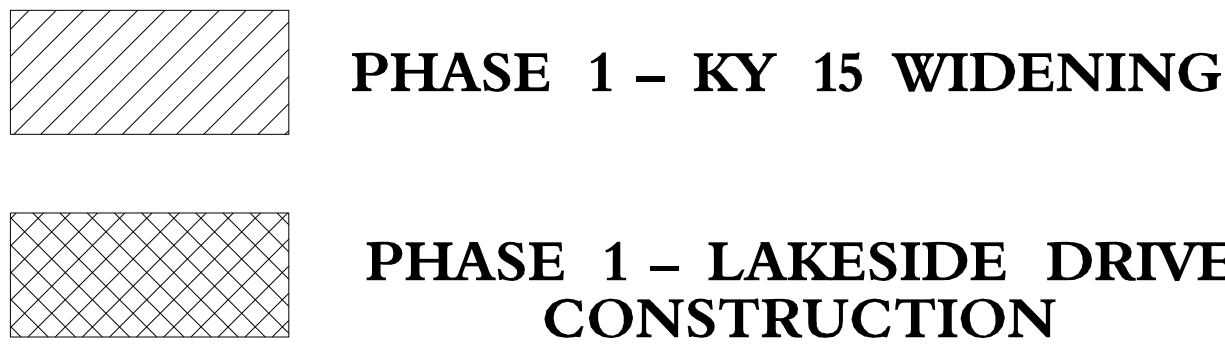
MAINTAINCE OF TRAFFIC
KY 15 PHASE 1
STRIPING DETAIL SHEET

FILE NAME: G:\PWORK\MIN-JIANG\0492423\R21\00MT.DGN
 USER: Brent.Weddington
 DATE PLOTTED: September 25, 2013
 E-SHEET NAME:
 MicroStation v8.11.7.443

MAINTAINCE OF TRAFFIC KY 15 PHASE 1

TRAFFIC SHALL BE MAINTAINED ON EXISTING STRIPED LANES OF KY 15 WHILE CONSTRUCTING THE FOLLOWING.

1. PLACE ALL TRAFFIC CONTROL SIGNING PRIOR TO PAVEMENT WIDENING ON KY 15.
2. CONSTRUCT PAVEMENT WIDENING ADJACENT TO KY 15 SOUTH BOUND RIGHT TURN LANE (AS SHOWN ON SHEET R11). TRAFFIC SHALL BE MAINTAINED BY FLAGGERS DURING THIS OPERATION.
3. EXISTING LANE STRIPING IS TO BE BLACKED OUT (AS NEEDED) AND RESTRIPE AS PER MOT STRIPING SECTION. TRAFFIC SHALL BE MAINTAINED BY FLAGGERS DURING THIS OPERATION.
4. DIRECT TRAFFIC TOWARD THE NEW LANES AND PLACE PROTICIVE CONCRETE BARRIERS ALONG KY 15. TRAFFIC SHALL BE MAINTAINED BY FLAGGERS DURING THIS OPERATION.
5. BEGIN CONSTRUCTION ON LAKESIDE DRIVE KY 3231.



STA. 1084+50 TO STA. 1097+25 RIGHT AND LEFT OF CONST. C.L. REMOVE EXISTING THERMOPLASTIC ARROWS, (9 EACH).

STA. 1083+50 TO STA. 1096+00 USE WATER BLASTING TO REMOVE 2361 LIN FT OF EXISTING PAVEMENT STRIPING

KY 15 CONST C.L.
 P.I. STA. 1090+04.19
 D = 3°39'43" LT.
 T = 185.92'
 L = 371.71
 R = 5816.05
 E = 2.97'

KY 15 CONST C.L.
 P.I. STA. 1092+65.47
 D = 1°28'09" LT.
 T = 75.48'
 L = 150.96'
 R = 5887.20
 E = 0.48'

KY 15 CONST C.L.
 P.I. STA. 1093+60.47
 D = 0°32'31" LT.

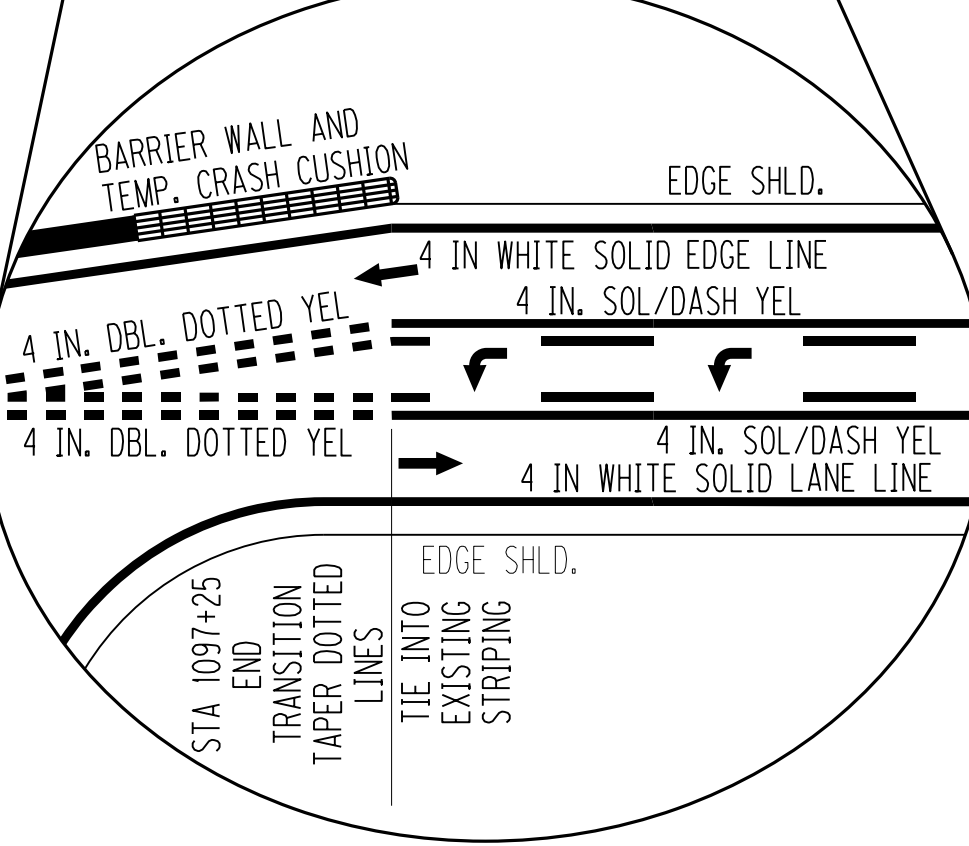
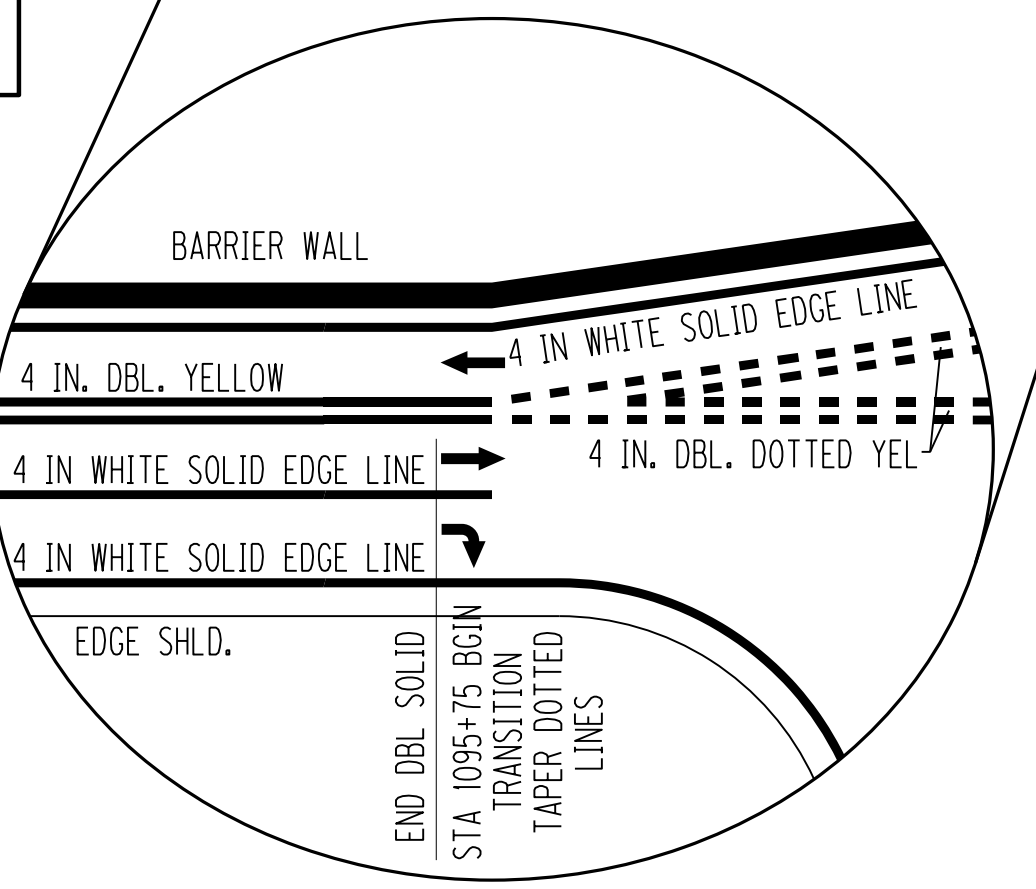
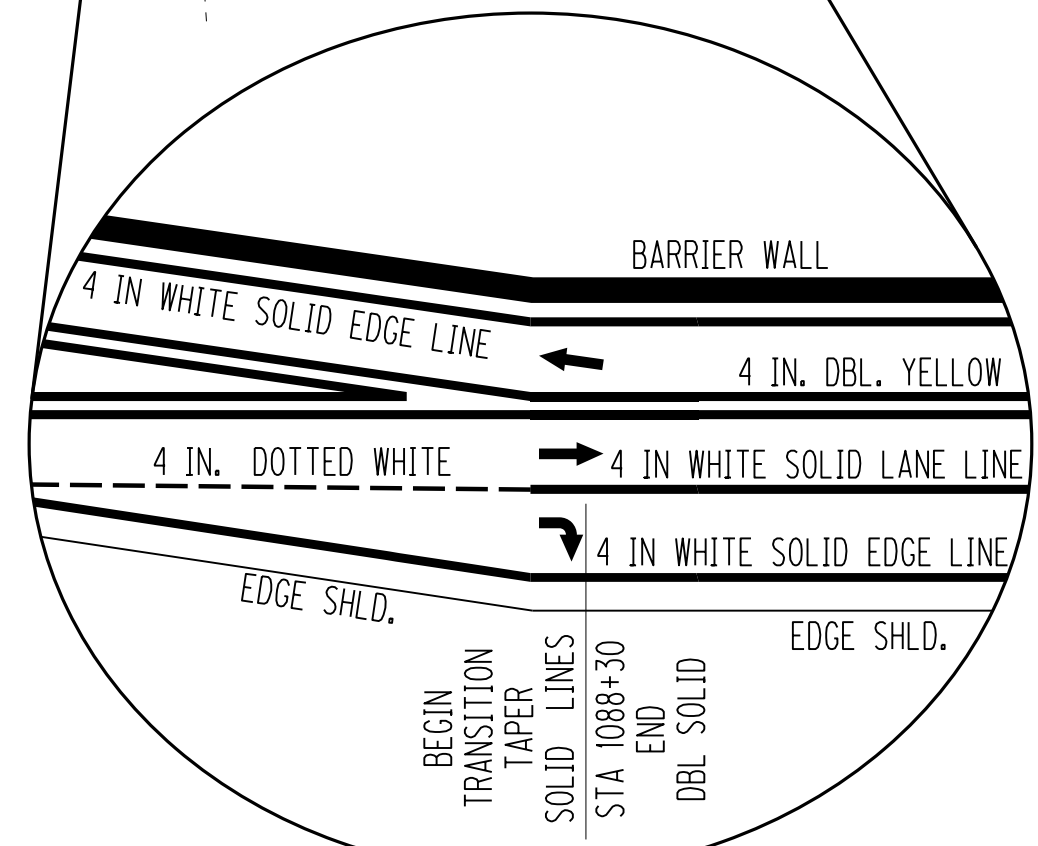
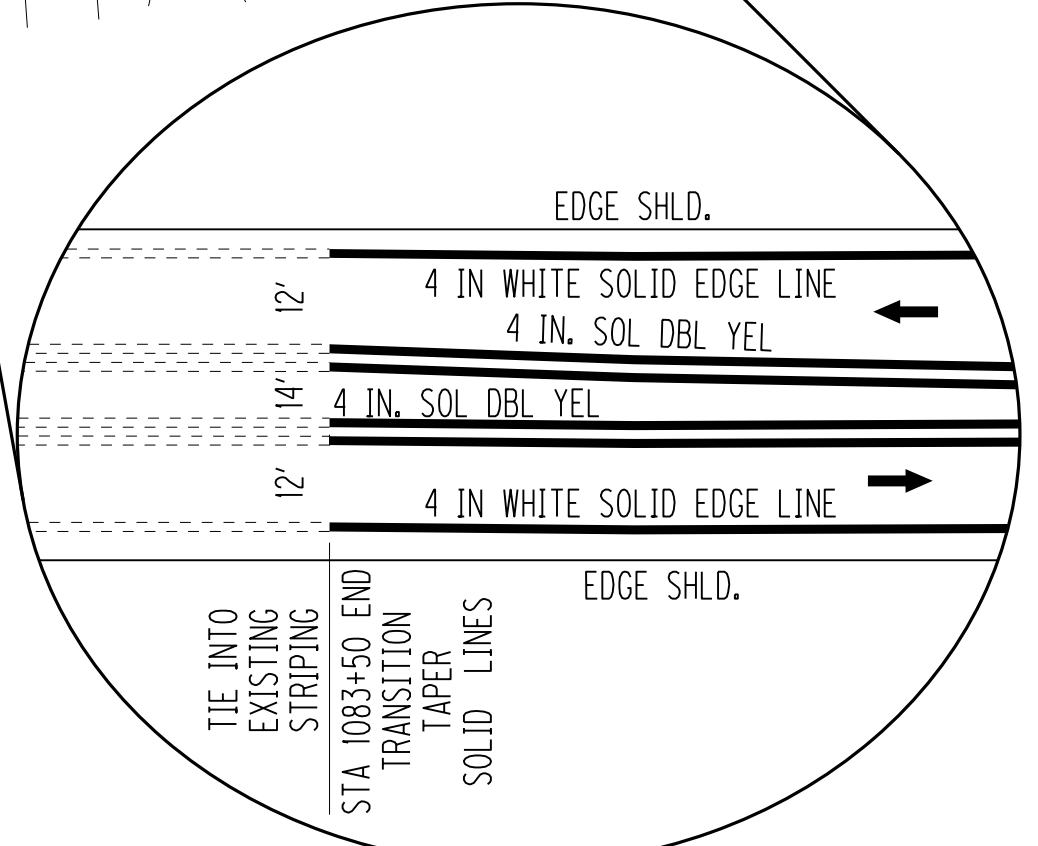
KY 15 CONST C.L.
 P.I. STA. 1097+24.02
 D = 0°00'14" RT.

LT. STA. 1086+80 TO LT. STA. 1097+00
 CONST. 1020 LIN. FT. CONCRETE BARRIER WALL TYPE 9T WITH CRASH CUSHION TYPE VI BT TL 2 ON EACH END (2 EACH).

KY 15 CONST C.L.
 P.I. STA. 1087+77.93
 D = 3°39'12" LT.
 T = 40.37'
 L = 80.71'
 R = 1265.78'
 E = 0.64'

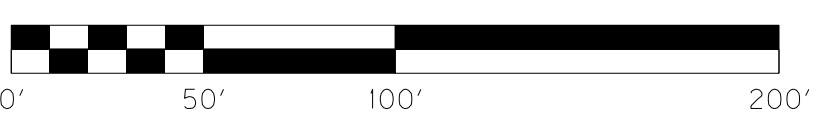
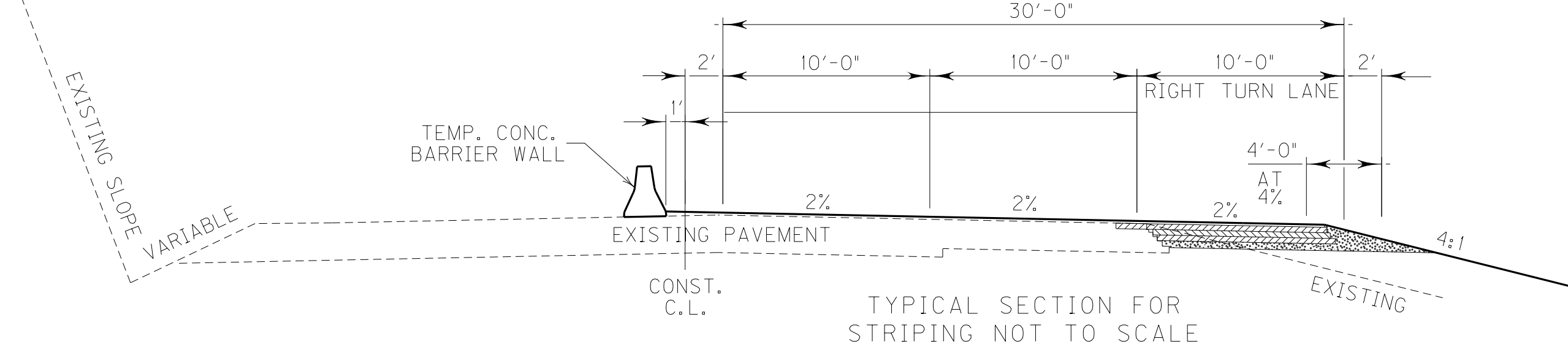
STA. 1086+44 REMOVE 32 LIN FT OF 24" EXISTING THERMOPLASTIC STOP BAR.
 STA. 1086+53 REMOVE 93 LIN FT OF 4" EXISTING THERMOPLASTIC CROSS WALK.

FOR TEMPORARY SIGNING SEE SHEET R20.



• TOTAL FOR BOTH LINES

LOCATION	SOLID WHITE	SOLID DBL YELW*	DOTTED WHITE	DOTTED DBL YEL*
LT STA 1083+50 - LT STA 1088+50	449 LF	900 LF		
RT STA 1083+50 - RT STA 1088+50	454 LF	900 LF		
RT STA 1088+50 - RT STA 1093+50		1264 LF		
LT STA 1088+50 - RT STA 1094+75	776 LF			
RT STA 1093+50 - RT STA 1094+75		500 LF		
RT STA 1094+75 - LT STA 1097+25				150 LF
RT STA 1094+75 - RT STA 1097+25			39 LF	150 LF
RT STA 1088+50 - RT STA 1094+75	750 LF			
RT STA 1094+75 - RT STA 1095+40	72 LF			
COMBINED TOTAL - 6405 LF	2502 LF	3564 LF	39 LF	300 LF



SCALE: 1" = 50'

MAINTAINCE OF TRAFFIC
 KY 15 PHASE 1
 STRIPING DETAIL SHEET

REVISD 9-25-13

COUNTY OF	ITEM NO.	SHEET NO.
BREATHITT	10-5011.00	R21

- KY 15 CONST C.L.
- (A) POB 1083+50.00
 - (B) PI 1084+50.00
 - (C) PI 1085+50.40
 - (D) PC 1087+37.56
 - (E) PI 1087+77.93
 - (F) PCC 1088+18.27
 - (G) PI 1090+04.19
 - (H) PCC 1091+89.98
 - (I) PI 1092+65.47
 - (J) PT 1093+40.94
 - (K) PI 1093+60.47
 - (L) PI 1097+24.82
 - (M) POE 1098+50.00

FILE NAME: G:\PWORK\MIN-JIANG\0492423\R2100MT.DGN
 USER: Brent.Weddington
 DATE PLOTTED: September 25, 2013
 E-SHEET NAME:
 MicroStation v8.11.7.443

LAKESIDE DRIVE
 PI STA. 15+89.12
 D=111°28'42"Left
 C=3°16'06"
 T=176.18'
 L=351.19'
 R=1753'
 E=8.83'
 e=4.0%
 Runoff=110'
 Runout=85'

LAKESIDE DRIVE
 PI STA. 10+80.90
 D=49°11'19"Right
 C=31°49'52"
 T=82.39'
 L=154.53'
 R=180'
 E=17.96'
 e=4.0%
 Runoff=110'
 Runout=55'

ORIGINAL R/W C.L.
 KENTUCKY 15
 P.I. STA. 1080+04.69
 D = 34°58'06" LT.
 T = 1474.78'
 L = 2857.42'
 R = 4681.90'
 E = 226.78'

KY 15 CONST. C.L.
 P.I. STA. 1085+77.93
 D = 3°39'12" LT.
 T = 40.37'
 L = 80.71'
 R = 1265.78'
 E = 0.64'

KY 15 CONST. C.L.
 P.I. STA. 1085+50.40
 D = 0°59'43" LT.

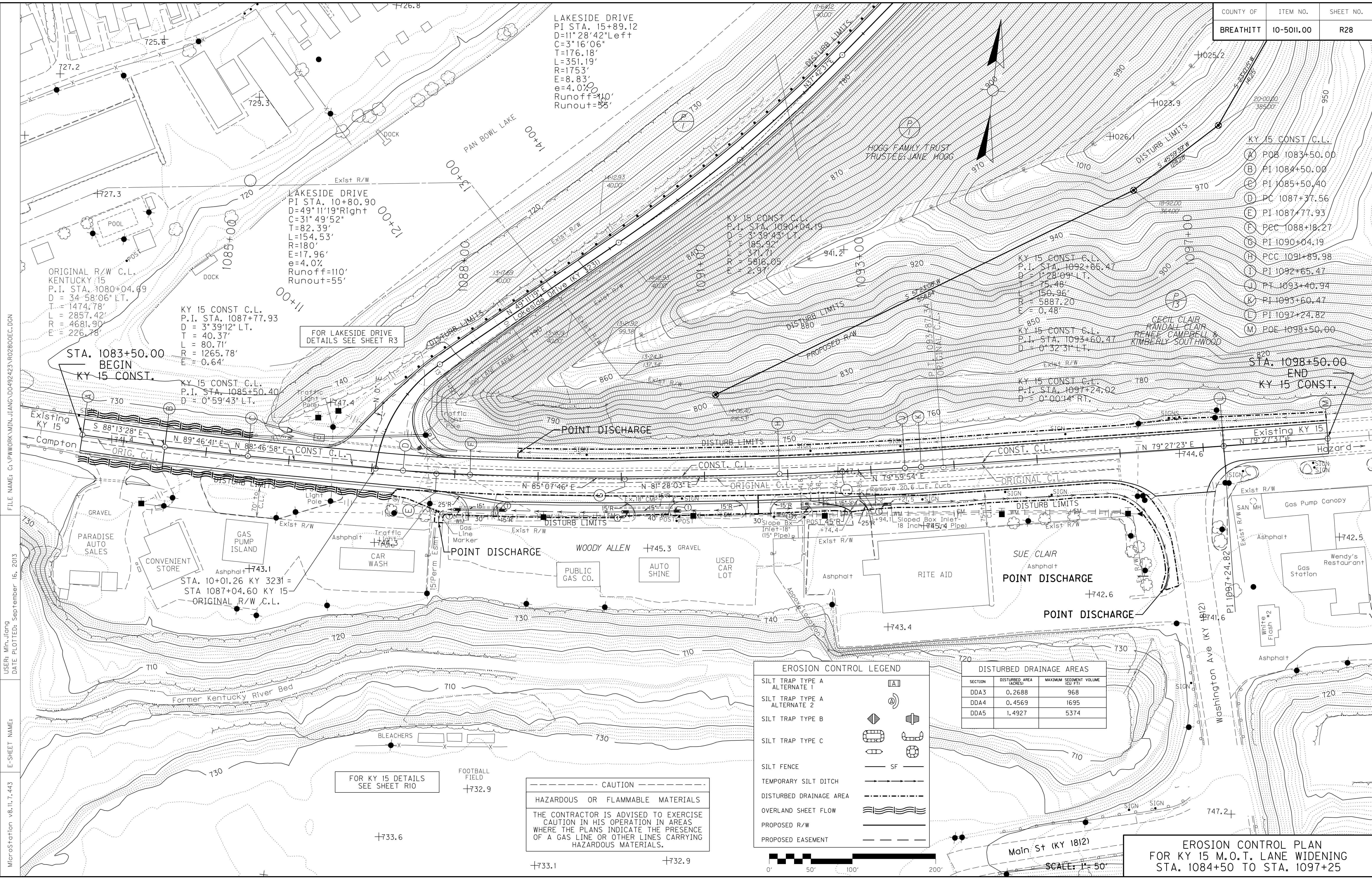
KY 15 CONST. C.L.
 P.I. STA. 1092+65.47
 D = 1°28'09" LT.
 T = 75.48'
 L = 150.96'
 R = 5887.20'
 E = 0.48'

KY 15 CONST. C.L.
 P.I. STA. 1093+60.47
 D = 0°32'31" LT.

- KY 15 CONST. C.L.
- (A) POB 1083+50.00
 - (B) PI 1084+50.00
 - (C) PI 1085+50.40
 - (D) PC 1087+37.56
 - (E) PI 1087+77.93
 - (F) PCC 1088+18.27
 - (G) PI 1090+04.19
 - (H) PCC 1091+89.98
 - (I) PI 1092+65.47
 - (J) PT 1093+40.94
 - (K) PI 1093+60.47
 - (L) PI 1097+24.82
 - (M) POE 1098+50.00

STA. 1083+50.00
 BEGIN
 KY 15 CONST.

STA. 1098+50.00
 END
 KY 15 CONST.



FOR LAKESIDE DRIVE
 DETAILS SEE SHEET R3

FOR KY 15 DETAILS
 SEE SHEET R10

CAUTION
 HAZARDOUS OR FLAMMABLE MATERIALS
 THE CONTRACTOR IS ADVISED TO EXERCISE
 CAUTION IN HIS OPERATION IN AREAS
 WHERE THE PLANS INDICATE THE PRESENCE
 OF A GAS LINE OR OTHER LINES CARRYING
 HAZARDOUS MATERIALS.

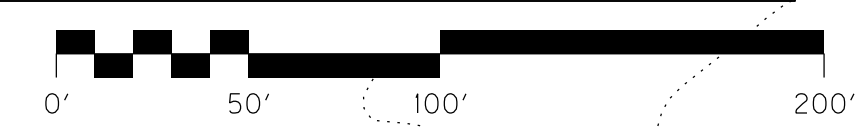
EROSION CONTROL LEGEND

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

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA3	0.2688	968
DDA4	0.4569	1695
DDA5	1.4927	5374

FILE NAME: G:\PWORK\MIN. JIANG\0492423\R28000EC.DGN
 USER: Min. Jiang
 DATE PLOTTED: September 16, 2013
 E-SHEET NAME:
 MicroStation v8.11.7.443



SCALE: 1" = 50'

**EROSION CONTROL PLAN
 FOR KY 15 M.O.T. LANE WIDENING
 STA. 1084+50 TO STA. 1097+25**

REVISÉ 9-25-13

LAKESIDE DRIVE
 PI STA. 15+89.12
 D=111°28'42"Left
 C=3°16'06"
 T=176.18'
 L=351.19'
 R=1753'
 E=8.83'
 e=4.0%
 Runoff=110'
 Runout=85'

LAKESIDE DRIVE
 PI STA. 10+80.90
 D=49°11'19"Right
 C=31°49'52"
 T=82.39'
 L=154.53'
 R=180'
 E=17.96'
 e=4.0%
 Runoff=110'
 Runout=55'

ORIGINAL R/W C.L.
 KENTUCKY 15
 P.I. STA. 1080+04.69
 D = 34°58'06" LT.
 T = 1474.78'
 L = 2857.42'
 R = 4681.90'
 E = 226.78'

KY 15 CONST. C.L.
 P.I. STA. 1085+77.93
 D = 3°39'12" LT.
 T = 40.37'
 L = 80.71'
 R = 1265.78'
 E = 0.64'

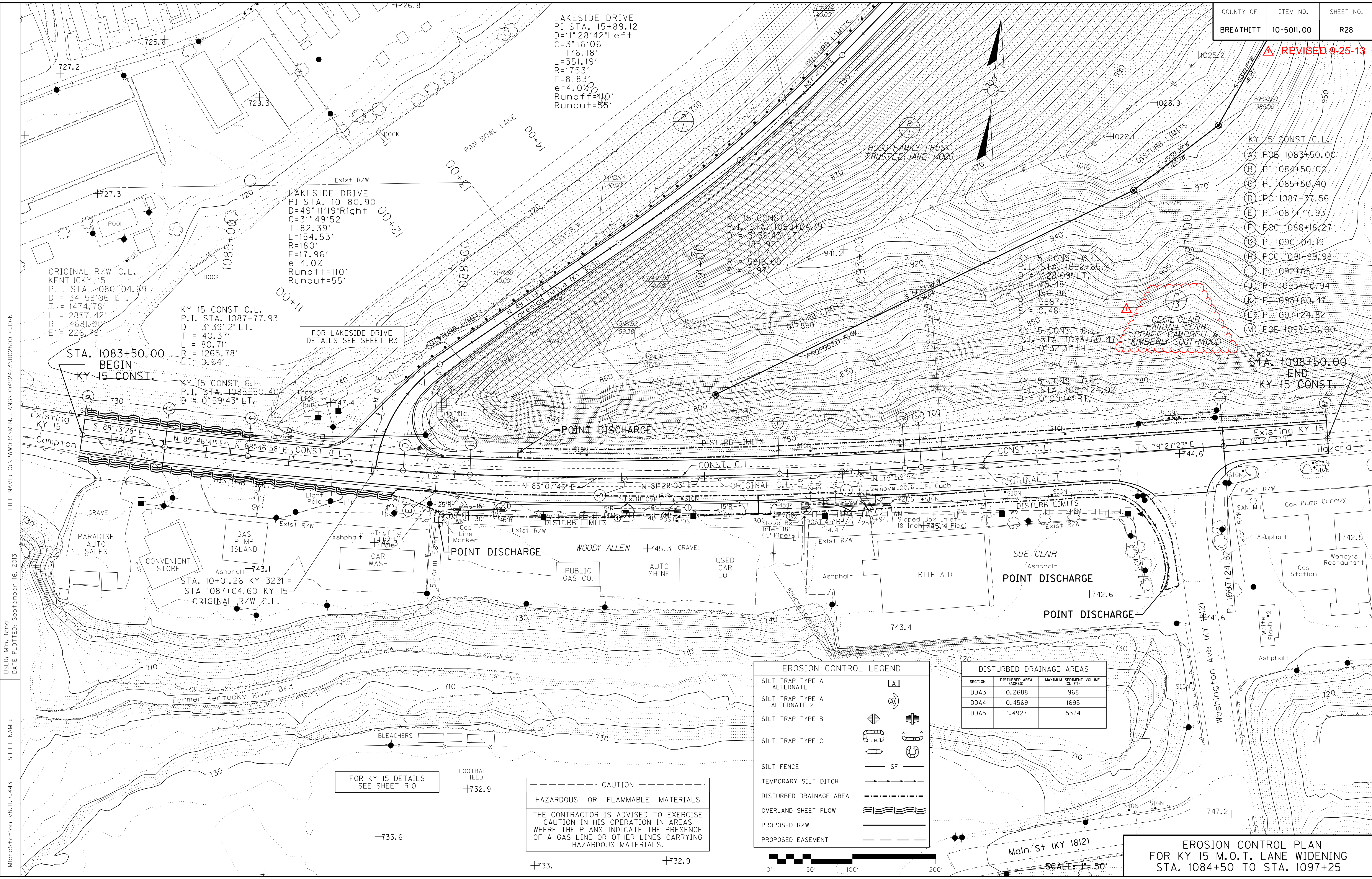
KY 15 CONST. C.L.
 P.I. STA. 1085+50.40
 D = 0°59'43" LT.

KY 15 CONST. C.L.
 P.I. STA. 1092+65.47
 D = 1°28'09" LT.
 T = 75.48'
 L = 150.96'
 R = 5887.20'
 E = 0.48'

KY 15 CONST. C.L.
 P.I. STA. 1093+60.47
 D = 0°32'31" LT.

- KY 15 CONST. C.L.
- (A) POB 1083+50.00
 - (B) PI 1084+50.00
 - (C) PI 1085+50.40
 - (D) PC 1087+37.56
 - (E) PI 1087+77.93
 - (F) PCC 1088+18.27
 - (G) PI 1090+04.19
 - (H) PCC 1091+89.98
 - (I) PI 1092+65.47
 - (J) PT 1093+40.94
 - (K) PI 1093+60.47
 - (L) PI 1097+24.82
 - (M) POE 1098+50.00

CECIL CLAIR
 RANDAL CLAIR
 RENEE CAMPBELL &
 KIMBERLY SOUTHWOOD



FOR LAKESIDE DRIVE
 DETAILS SEE SHEET R3

FOR KY 15 DETAILS
 SEE SHEET R10

CAUTION
 HAZARDOUS OR FLAMMABLE MATERIALS
 THE CONTRACTOR IS ADVISED TO EXERCISE
 CAUTION IN HIS OPERATION IN AREAS
 WHERE THE PLANS INDICATE THE PRESENCE
 OF A GAS LINE OR OTHER LINES CARRYING
 HAZARDOUS MATERIALS.

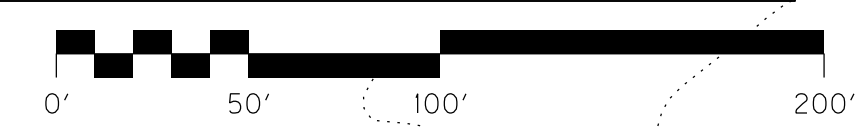
EROSION CONTROL LEGEND

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

DISTURBED DRAINAGE AREAS

SECTION	DISTURBED AREA (ACRES)	MAXIMUM SEDIMENT VOLUME (CU FT)
DDA3	0.2688	968
DDA4	0.4569	1695
DDA5	1.4927	5374

FILE NAME: G:\PWORK\MIN. JIANG\04942423\R280800CC.DGN
 USER: Min. Jiang
 DATE PLOTTED: September 16, 2013
 E-SHEET NAME: MicroStation v8.11.7.443



SCALE: 1" = 50'

**EROSION CONTROL PLAN
 FOR KY 15 M.O.T. LANE WIDENING
 STA. 1084+50 TO STA. 1097+25**

SPECIAL NOTE FOR BARCODE LABEL ON PERMANENT SIGNS

1.0 DESCRIPTION. Install barcode label on sign as specified in the Contract. Section references herein are to the Department’s 2012 Standard Specifications for Road and Bridge Construction.

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

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

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

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

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

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

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

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

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

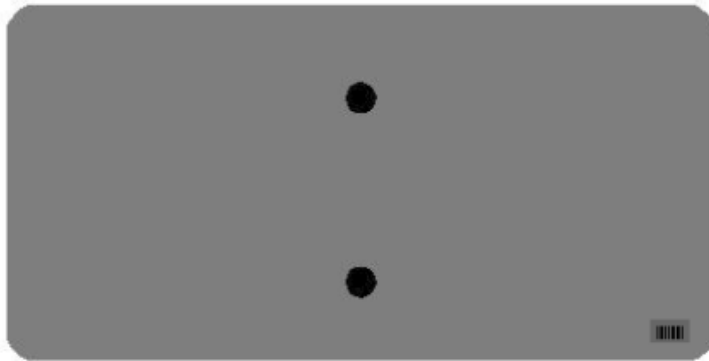
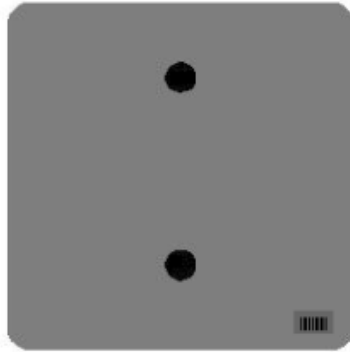
<u>Code</u>	<u>Pay Item</u>	<u>Pay Unit</u>
24584EC	Barcode Sign Inventory	Each

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

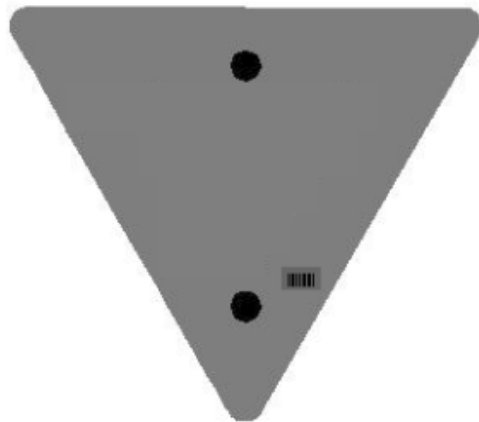
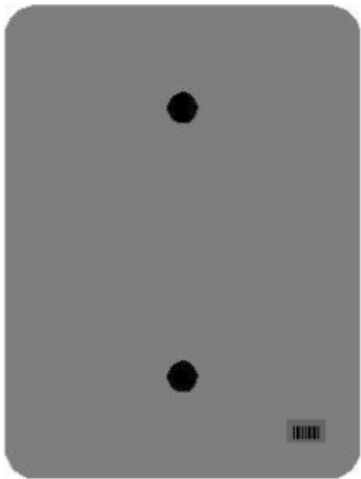
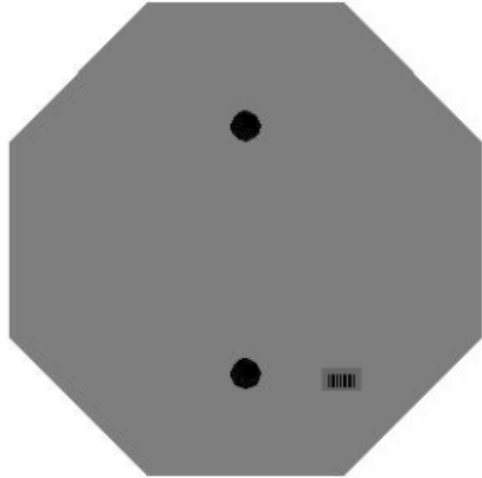
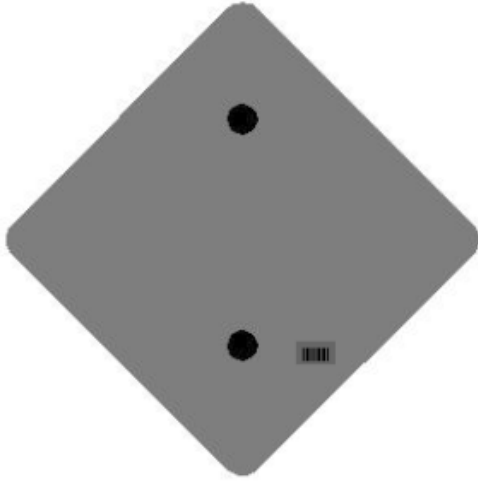
One Sign Post



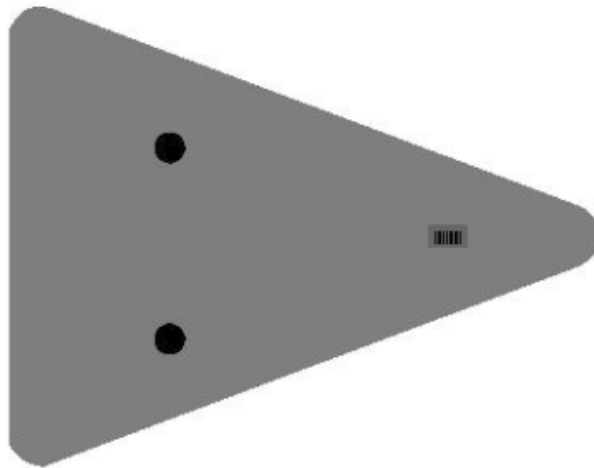
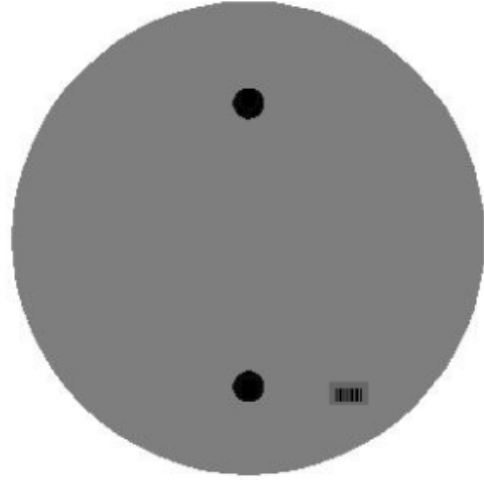
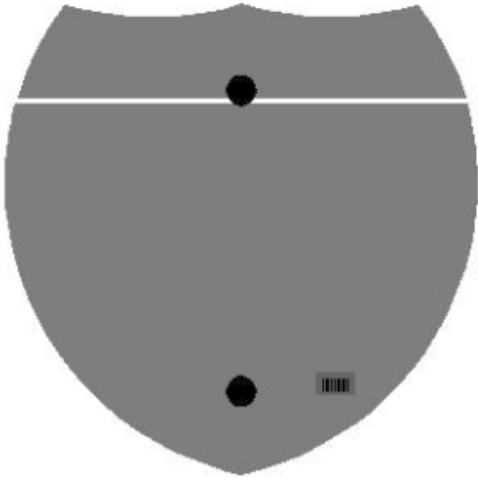
↑
2" Wide Post



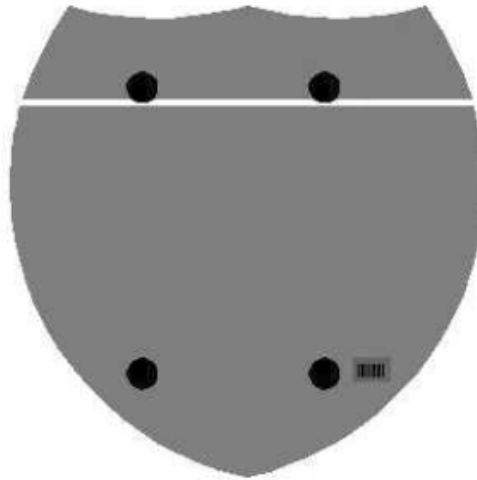
One Sign Post



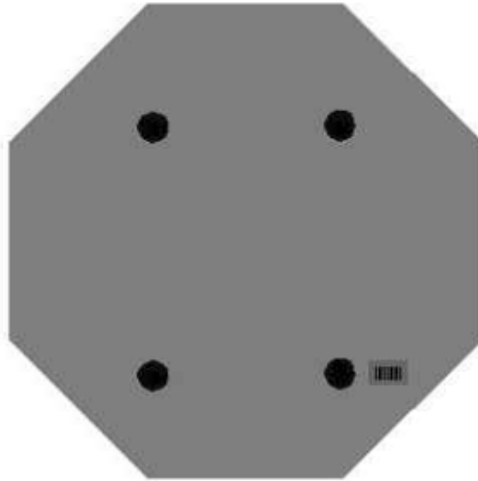
One Sign Post



Double Sign Post



Interstate
Shield

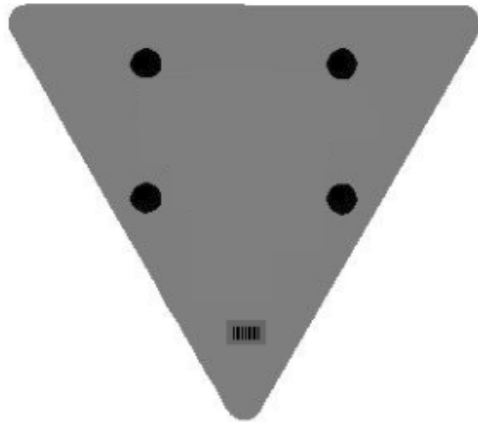


48" Stop

2 Post Signs



↑
2" Wide Post



PROPOSAL BID ITEMS

131052

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Report Date 9/25/13

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	5,416.00	TON		\$	
0020	00020		TRAFFIC BOUND BASE	113.00	TON		\$	
0030	00078		CRUSHED AGGREGATE SIZE NO 2	398.00	TON		\$	
0040	00100		ASPHALT SEAL AGGREGATE	30.00	TON		\$	
0050	00103		ASPHALT SEAL COAT	3.60	TON		\$	
0060	00221		CL2 ASPH BASE 0.75D PG64-22	4,516.00	TON		\$	
0070	00301		CL2 ASPH SURF 0.38D PG64-22	1,793.00	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0080	00078		CRUSHED AGGREGATE SIZE NO 2 INSTALLED AS NEEDED	200.00	TON		\$	
0090	01000		PERFORATED PIPE-4 IN	500.00	LF		\$	
0100	01010		NON-PERFORATED PIPE-4 IN	200.00	LF		\$	
0110	01020		PERF PIPE HEADWALL TY 1-4 IN	4.00	EACH		\$	
0120	01875		STANDARD HEADER CURB	55.00	LF		\$	
0130	01984		DELINEATOR FOR BARRIER - WHITE	21.00	EACH		\$	
0140	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	25.00	EACH		\$	
0150	02014		BARRICADE-TYPE III	6.00	EACH		\$	
0160	02159		TEMP DITCH	6,792.00	LF		\$	
0170	02200		ROADWAY EXCAVATION	434,053.90	CUYD		\$	
0180	02237		DITCHING	697.00	LF		\$	
0190	02242		WATER	643.00	MGAL		\$	
0200	02351		GUARDRAIL-STEEL W BEAM-S FACE	2,425.00	LF		\$	
0210	02360		GUARDRAIL TERMINAL SECTION NO 1	1.00	EACH		\$	
0220	02371		GUARDRAIL END TREATMENT TYPE 7	2.00	EACH		\$	
0230	02381		REMOVE GUARDRAIL	1,412.50	LF		\$	
0240	02391		GUARDRAIL END TREATMENT TYPE 4A	1.00	EACH		\$	
0250	02429		RIGHT-OF-WAY MONUMENT TYPE 1	20.00	EACH		\$	
0260	02432		WITNESS POST	3.00	EACH		\$	
0270	02488		CHANNEL LINING CLASS IV	80.00	CUYD		\$	
0280	02545		CLEARING AND GRUBBING 13 ACRES	1.00	LS		\$	
0290	02562		TEMPORARY SIGNS REVISED: 9-25-13	500.90	SQFT		\$	
0300	02585		EDGE KEY	375.00	LF		\$	
0310	02599		FABRIC-GEOTEXTILE TYPE IV	200.00	SQYD		\$	
0320	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0330	02651		DIVERSIONS (BY-PASS DETOURS)	1.00	LS		\$	
0340	02671		PORTABLE CHANGEABLE MESSAGE SIGN	2.00	EACH		\$	
0350	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0360	02677		ASPHALT PAVE MILLING & TEXTURING	19.00	TON		\$	
0370	02701		TEMP SILT FENCE	7,825.00	LF		\$	
0380	02703		SILT TRAP TYPE A	21.00	EACH		\$	
0390	02704		SILT TRAP TYPE B	21.00	EACH		\$	
0400	02705		SILT TRAP TYPE C	21.00	EACH		\$	
0410	02706		CLEAN SILT TRAP TYPE A	63.00	EACH		\$	

PROPOSAL BID ITEMS

131052

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Report Date 9/25/13

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0420	02707		CLEAN SILT TRAP TYPE B	63.00	EACH		\$	
0430	02708		CLEAN SILT TRAP TYPE C	63.00	EACH		\$	
0440	02709		CLEAN TEMP SILT FENCE	7,825.00	LF		\$	
0450	02726		STAKING	1.00	LS		\$	
0460	03171		CONCRETE BARRIER WALL TYPE 9T	1,020.00	LF		\$	
0470	05950		EROSION CONTROL BLANKET	20,282.00	SQYD		\$	
0480	05952		TEMP MULCH	63,735.00	SQYD		\$	
0490	05953		TEMP SEEDING AND PROTECTION	63,735.00	SQYD		\$	
0500	05966		TOPDRESSING FERTILIZER	2.60	TON		\$	
0510	05985		SEEDING AND PROTECTION	50,344.00	SQYD		\$	
0520	06406		SBM ALUM SHEET SIGNS .080 IN ADDED: 9-25-13	6.20	SQFT		\$	
0530	06407		SBM ALUM SHEET SIGNS .125 IN ADDED: 9-25-13	12.50	SQFT		\$	
0540	06410		STEEL POST TYPE 1 ADDED: 9-25-13	27.00	LF		\$	
0550	06411		STEEL POST TYPE 2 ADDED: 9-25-13	15.00	LF		\$	
0560	06510		PAVE STRIPING-TEMP PAINT-4 IN	14,045.00	LF		\$	
0570	06514		PAVE STRIPING-PERM PAINT-4 IN	14,360.00	LF		\$	
0580	06568		PAVE MARKING-THERMO STOP BAR-24IN	227.00	LF		\$	
0590	06589		PAVEMENT MARKER TYPE V-MW	32.00	EACH		\$	
0600	06591		PAVEMENT MARKER TYPE V-BY	32.00	EACH		\$	
0610	06600		REMOVE PAVEMENT MARKER TYPE V	64.00	EACH		\$	
0620	08901		CRASH CUSHION TY VI CLASS BT TL2	2.00	EACH		\$	
0630	10020NS		FUEL ADJUSTMENT	86,008.00	DOLL	\$1.00	\$	\$86,008.00
0640	10030NS		ASPHALT ADJUSTMENT	21,964.00	DOLL	\$1.00	\$	\$21,964.00
0650	22664EN		WATER BLASTING EXISTING STRIPE	2,361.00	LF		\$	
0660	24584EC		BARCODE SIGN INVENTORY ADDED: 9-25-13	2.00	EACH		\$	

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0670	00440		ENTRANCE PIPE-15 IN	196.00	LF		\$	
0680	00464		CULVERT PIPE-24 IN	161.00	LF		\$	
0690	01208		PIPE CULVERT HEADWALL-24 IN	1.00	EACH		\$	
0700	01432		SLOPED BOX OUTLET TYPE 1-15 IN	6.00	EACH		\$	
0710	01450		S & F BOX INLET-OUTLET-18 IN	1.00	EACH		\$	
0720	01496		DROP BOX INLET TYPE 3	1.00	EACH		\$	
0730	01517		DROP BOX INLET TYPE 5F	1.00	EACH		\$	
0740	23131ER701		PIPELINE VIDEO INSPECTION	357.00	LF		\$	
0750	24585EC		SECURITY PLATE ASSEMBLY	2.00	EACH		\$	

Section: 0004 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0760	04792		CONDUIT-1 IN	65.00	LF		\$	
0770	04795		CONDUIT-2 IN	35.00	LF		\$	
0780	04811		ELECTRICAL JUNCTION BOX TYPE B	1.00	EACH		\$	

PROPOSAL BID ITEMS

131052

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Report Date 9/25/13

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0790	04820		TRENCHING AND BACKFILLING	100.00	LF		\$	
0800	04830		LOOP WIRE	2,280.00	LF		\$	
0810	04844		CABLE-NO. 14/5C	1,100.00	LF		\$	
0820	04850		CABLE-NO. 14/1 PAIR	1,500.00	LF		\$	
0830	04885		MESSENGER-10800 LB	250.00	LF		\$	
0840	04895		LOOP SAW SLOT AND FILL	850.00	LF		\$	
0850	04932		INSTALL STEEL STRAIN POLE	1.00	EACH		\$	
0860	04950		REMOVE SIGNAL EQUIPMENT	1.00	EACH		\$	
0870	21659NN		RELOCATE SIGNAL HEAD	7.00	EACH		\$	
0880	23157EN		TRAFFIC SIGNAL POLE BASE ADDED: 9-24-13	4.32	CUYD		\$	
0890	23222EC		INSTALL SIGNAL PEDESTAL ADDED: 9-24-13	2.00	EACH		\$	

Section: 0005 - MOB AND DEMOB

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	FP	AMOUNT
0900	02568		MOBILIZATION	1.00	LS		\$	
0910	02569		DEMOBILIZATION	1.00	LS		\$	