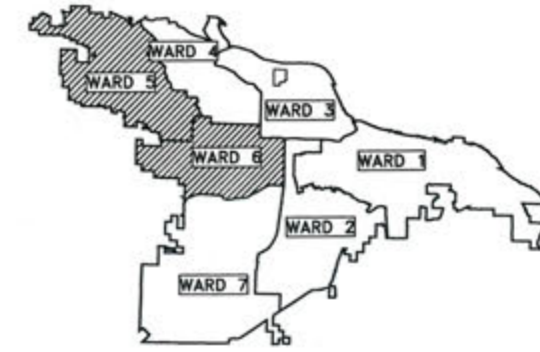
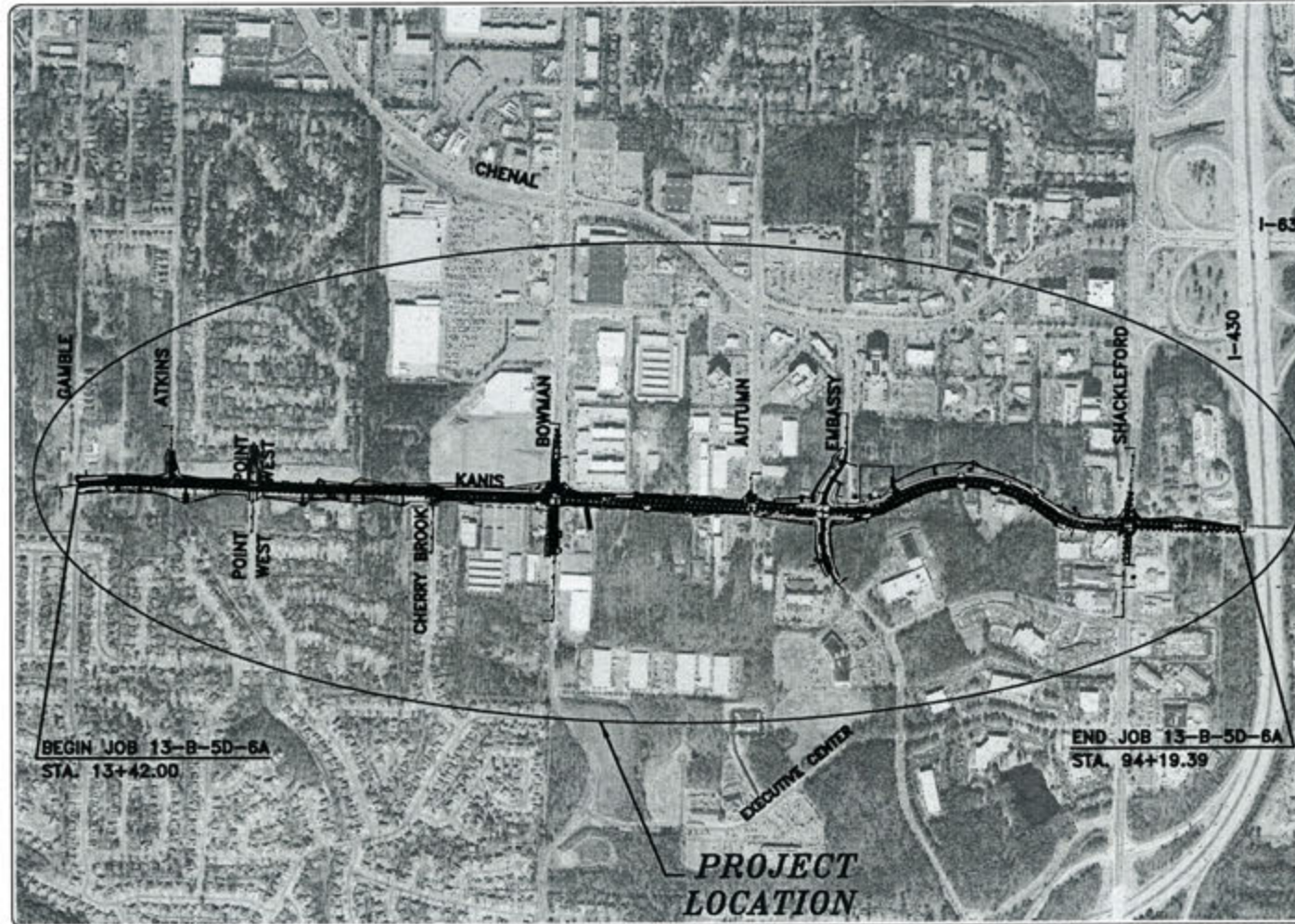


# CLR PROJECT #13-B-5D-6A KANIS ROAD LITTLE ROCK, ARKANSAS



PROJECT LOCATION - WARD 5 & 6



DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 WEST MARKHAM STREET  
LITTLE ROCK, ARKANSAS 72201

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C-41 - C-57	MAINTENANCE OF TRAFFIC SHEETS
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C-250	CROSS SECTIONS AUTUMN ROAD
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C-253 - C-258	THIS SHEET LEFT BLANK INTENTIONALLY
C-259	CROSS SECTION SHACKLEFORD ROAD
C-260 - C-270	BOX CULVERT DETAILS



# JACOBS™

Jacobs Engineering Group, Inc.  
10816 Executive Center Dr., Suite 300  
Little Rock, Arkansas 72211  
Phone: 501.223.0515 Fax: 501.223.2470  
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REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
COVER SHEET

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



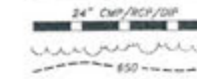
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DESIGNED	RFR
CHECKED	KGT
DATE	2/24/17
SCALE	NTS
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-01

SUMMARY OF QUANTITIES

ITEM NUMBER	ITEM	QUANTITY	UNIT
2.01	SITE PREPARATION (INCLUDES MOBILIZATION)	1.00	LS
2.01	SITE PREPARATION (INCLUDES MOBILIZATION AND CLEARING AND GUBBING TREES)	1.00	LS
3.01	UNCLASSIFIED EXCAVATION	32388	CY
3.06	BORROW MATERIAL	57422	CY
4.01	AGGREGATE BASE COURSE	14643	TON
5.01	TACK COAT	2670	GAL
6.01	ACHM SURFACE COURSE	9161	TON
6.20	ACHM BINDER COURSE	8679	TON
7.04	CONCRETE DRIVEWAY (4" THICK), STANDARD FINISH	2677	SF
7.18	CONCRETE DRIVEWAY (8" THICK), STANDARD FINISH	20864	SF
8.01	CONCRETE CURB AND GUTTER (CLASS 1)	10974	LF
8.03	CONCRETE CURB AND GUTTER (CLASS 3)	1341	LF
9.04	CONCRETE SIDEWALK (4" THICK)	61185	SF
10.01	JUNCTION BOX	5	EA
10.02	AREA INLET	9	EA
10.04	CURB INLET - 4' BOX	79	EA
10.05	CURB INLET - 5' BOX	4	EA
10.06	CURB INLET - 6' BOX	4	EA
10.10	WING 6' EXTENSION	85	EA
10.14	WING 10' EXTENSION	6	EA
11.02	REINFORCED CONCRETE BOX CULVERT	301	CY
11.06	REINFORCED CONCRETE HEADWALL	26	CY
11.20	REINFORCED CONCRETE RETAINING WALL	194	CY
13.18C	STORM DRAIN PIPE, 18" CROSS DRAIN	1643	LF
13.18S	STORM DRAIN PIPE, 18" SIDE DRAIN	4320	LF
13.24C	STORM DRAIN PIPE, 24" CROSS DRAIN	510	LF
13.24S	STORM DRAIN PIPE, 24" SIDE DRAIN	112	LF
13.30C	STORM DRAIN PIPE, 30" CROSS DRAIN	141	LF
13.30S	STORM DRAIN PIPE, 30" SIDE DRAIN	498	LF
13.42C	STORM DRAIN PIPE, 42" CROSS DRAIN	70	LF
13.42S	STORM DRAIN PIPE, 42" SIDE DRAIN	51	LF
13.48S	STORM DRAIN PIPE, 48" SIDE DRAIN	239	LF
13.54S	STORM DRAIN PIPE, 54" SIDE DRAIN	139	LF
14.01	SOLID SOODING, BERMUDA	10820	SY
16.01	MAINTENANCE OF TRAFFIC	1.00	LS
18.40	HANDRAL	799	LF
18.45	RBRAP	54	CY
18.50	ACCESS RAMP (TYPE 1)	336	SF
18.52	ACCESS RAMP (TYPE 2)	344	SF
18.53	ACCESS RAMP (TYPE 3)	590	SF
18.55	WATER FOR DUST CONTROL	100	GAL
19.01	FINAL CLEANUP	1.00	LS
20.01	PIPE EMBEOMENT	1400	TON
22.10	MAILBOX RELOCATION	17	EA
24.01	CONSTRUCTION ENTRANCE (CO)	6	EA
24.02	CHECK DAM (CD)	120	CY
24.09	SEDIMENT BARRIER, BLOCK (SD4)	103	EA
24.10	TEMPORARY SEDIMENT BASIN (SB1)	19	EA
24.12	SILT FENCE - TYPE B (SFB)	8914	LF
24.15	SURFACE ROUGHENING (SU)	59900	SF
24.17	DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)	8.85	AC
24.18	DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)	9.00	AC
26.10	TRENCH & EXCAVATION SAFETY	1.00	LS
27.10	COLD MILLING ASPHALT PAVEMENT	1657	SY
29.10	PROJECT INFORMATION KIOSK (PW-18)	1.00	LS
415.01	ACHM PATCHING OF EXISTING ROADWAY	15	TON
606.18C	FLARED END SECTION 18" RCP	13	EA
606.24C	FLARED END SECTION 24" RCP	3	EA
606.30C	FLARED END SECTION 30" RCP	3	EA
606.54C	FLARED END SECTION 54" RCP	2	EA
632.01	CONCRETE ISLAND	127	SY
719.04W	THERMOPLASTIC PAVEMENT MARKING WHITE (4")	14255	LF
719.04Y	THERMOPLASTIC PAVEMENT MARKING YELLOW (4")	21868	LF
719.08W	THERMOPLASTIC PAVEMENT MARKING WHITE (8")	811	LF
719.08Y	THERMOPLASTIC PAVEMENT MARKING YELLOW (8")	452	LF
719.12W	THERMOPLASTIC PAVEMENT MARKING WHITE (12")	3356	LF
719.50	THERMOPLASTIC PAVEMENT MARKING WORDS	38	EA
719.60	THERMOPLASTIC PAVEMENT MARKING ARROWS	68	EA
701.01	SYSTEM CONTROLLER TS 1 (8 PHASES)	3	EA
706.01	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	30	EA
706.02	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	7	EA
707.01	COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED	24	EA
708.01	TRAFFIC SIGNAL CABLE (5C/14 A.W.G.)	7870	LF
708.02	TRAFFIC SIGNAL CABLE (7C/14 A.W.G.)	570	LF
708.03	TRAFFIC SIGNAL CABLE (20C/14 A.W.G.)	1850	LF
709.01	GALVANIZED STEEL CONDUIT (1.25")	39	LF
710.01	NON-METALLIC CONDUIT (1.25")	39	LF
710.02	NON-METALLIC CONDUIT (2")	0	LF
710.03	NON-METALLIC CONDUIT (3")	2048	LF
711.01	CONCRETE PULL BOX (TYPE 1 HD)	20	EA
711.02	CONCRETE PULL BOX (TYPE 2 HD)	12	EA
714.01	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (32')	1	EA
714.02	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (38')	2	EA
714.03	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (48')	1	EA
714.04	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (50')	1	EA
714.05	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (52')	1	EA
714.06	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (54')	2	EA
714.07	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (56')	1	EA
714.08	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (58')	2	EA
714.09	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (64')	1	EA
714.09	TRAFFIC SIGNAL PEDESTAL POLE WITH FOUNDATION	3	EA
733.01	VEHICLE DETECTOR RACK (16 CHANNEL)	3	EA
733.02	VIDEO CABLE	2505	LF
733.03	VIDEO DETECTOR (CLR)	12	EA
733.04	VIDEO MONITOR (CLR)	3	EA
733.05	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	6	EA
733.06	ELECTRICAL CONDUCTORS-IN-CONDUIT (2C/6 A.W.G.)	105	LF
733.07	ELECTRICAL CONDUCTORS-IN-CONDUIT (1C/6 A.W.G., EGC)	1866	LF
733.09	ELECTRICAL CONDUCTORS FOR LUMINAIRES	1821	LF
733.10	LUMINAIRE ASSEMBLY	12	EA
733.11	18" STREET NAME SIGN	12	EA
733.12	LOCAL RADIO WITH ANTENNA	3	EA
733.13	ANTENNA CABLE (TYPE 6)	279	LF
733.14	SERVICE POINT ASSEMBLY	3	EA
733.15	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	2.00	LS

EXISTING

- IRON ROD
- PK NAIL
- R.R. SPIKE
- CONC. MONUMENT
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- CLEAN-OUT
- GUARD POST (BOLLARD)
- SIGN POST
- BENCHMARK
- STORM SEWER MANHOLE
- SANITARY SEWER MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE BOX
- ELECTRIC BOX
- CABLE BOX
- UTILITY POLE
- GUY WIRE
- LIGHT POLE
- POST OR POLE (TYPE AS NOTED)
- MAILBOX
- DECIDUOUS TREE
- EVERGREEN/CONIFEROUS TREE
- BUSH
- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- CURB
- FENCE
- OVERHEAD ELECTRIC
- OVERHEAD TELEPHONE
- OVERHEAD CABLE
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRIC
- UNDERGROUND CABLE
- WATER LINE
- SEWER LINE
- GAS LINE
- STORM SEWER/CULVERT
- EDGE OF WOODS
- CONTOUR LINE



PROPOSED

- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED SPOT CURB ELEVATION
- STORM SEWER - PIPE
- STORM SEWER - MITERED END SECTION
- STORM SEWER - GRATE INLET
- STORM SEWER - JUNCTION BOX
- STORM SEWER - FLARED END SECTION
- STORM SEWER - HEADWALL
- STORM SEWER - SINGLE WING
- STORM SEWER - DOUBLE WING
- STORM SEWER - AREA INLET
- GRADE BREAK LINE
- HIGH POINT
- LOW POINT
- CUT LINE
- FILL LINE
- SANITARY SEWER PIPE
- SANITARY SEWER MANHOLE
- PROPOSED CURB
- PROPOSED CONCRETE
- CONSTRUCTION - ENTRANCE/EXIT
- CHECK DAM
- DIVERSION BERM
- DOWNDRAIN STRUCTURE - TEMPORARY
- ROCK DAM
- SEDIMENT BARRIER - SILT FENCE
- SEDIMENT BARRIER - GRAVEL RING
- SEDIMENT BARRIER - BLOCK & GRAVEL
- SEDIMENT BARRIER - BLOCK
- TEMPORARY SEDIMENT BASIN
- SILT FENCE - TYPE A
- SILT FENCE - TYPE B
- SILT FENCE - TYPE C
- STORM DRAIN OUTLET PROTECTION
- SURFACE ROUGHENING
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING
- MATTING/BLANKETS



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 LEGEND AND QUANTITIES

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-15-17

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 12/18/15  
 SCALE  
 NTS  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-02

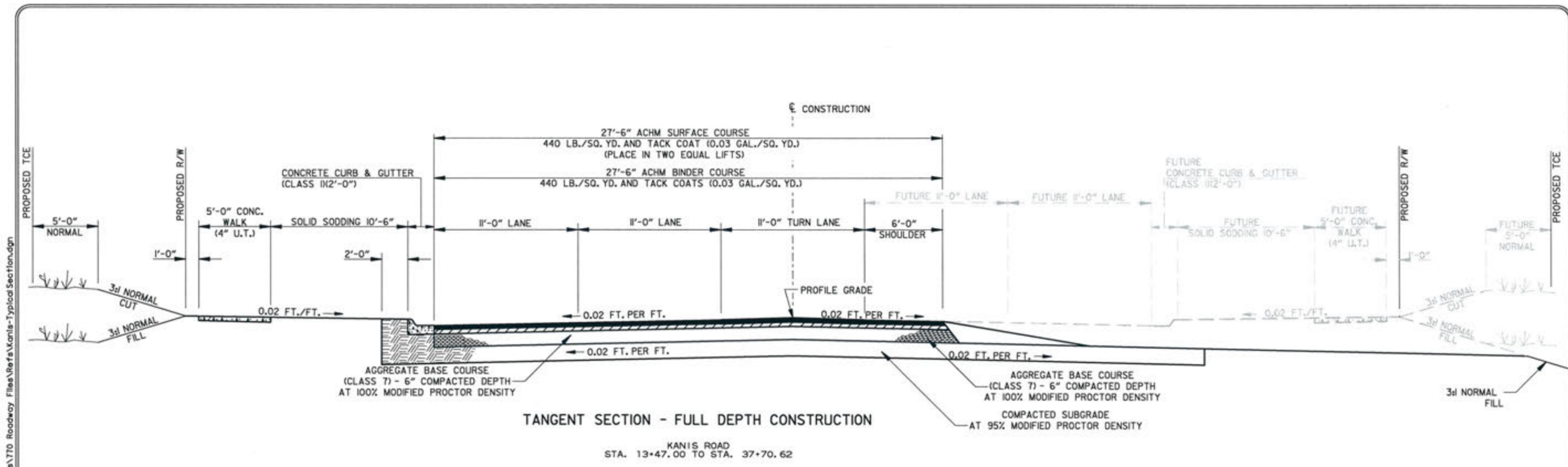
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 TYPICAL SECTION SHEET 1

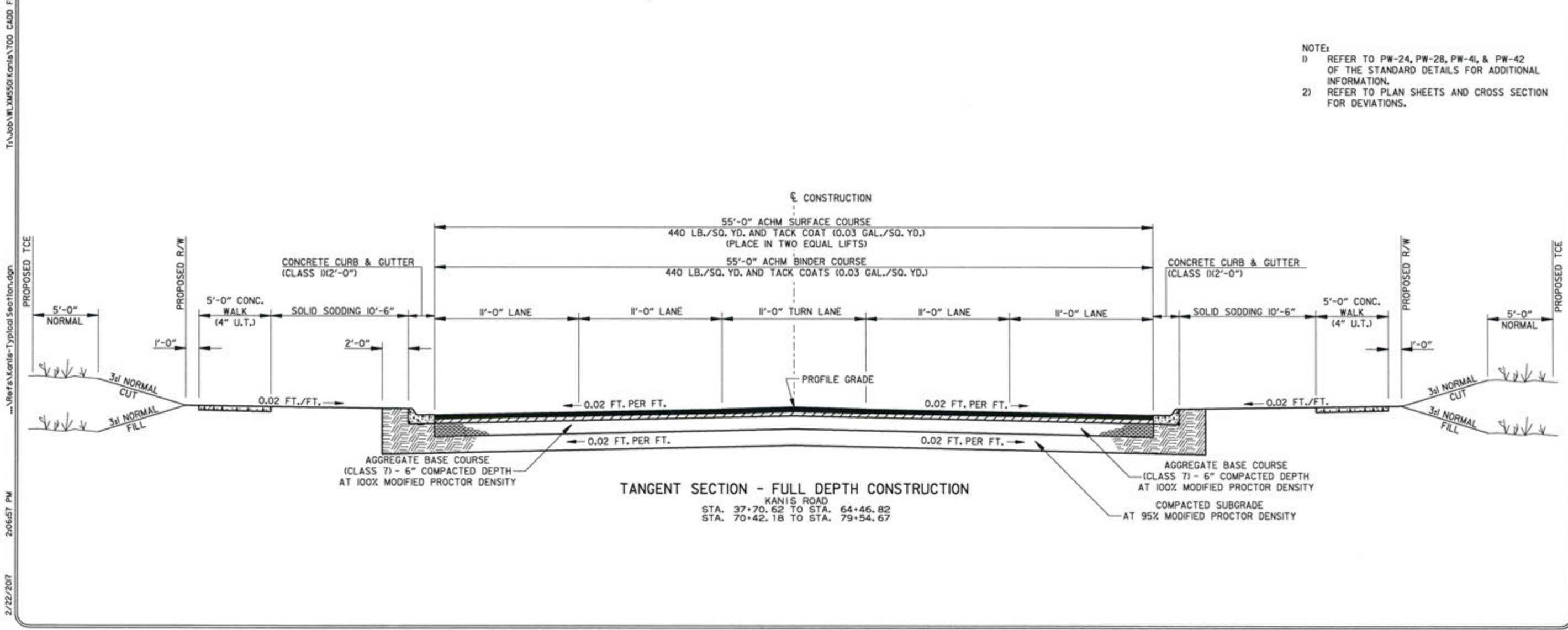
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 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



2-15-17  
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 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 8'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-03**



NOTE:  
 1) REFER TO PW-24, PW-28, PW-41, & PW-42 OF THE STANDARD DETAILS FOR ADDITIONAL INFORMATION.  
 2) REFER TO PLAN SHEETS AND CROSS SECTION FOR DEVIATIONS.



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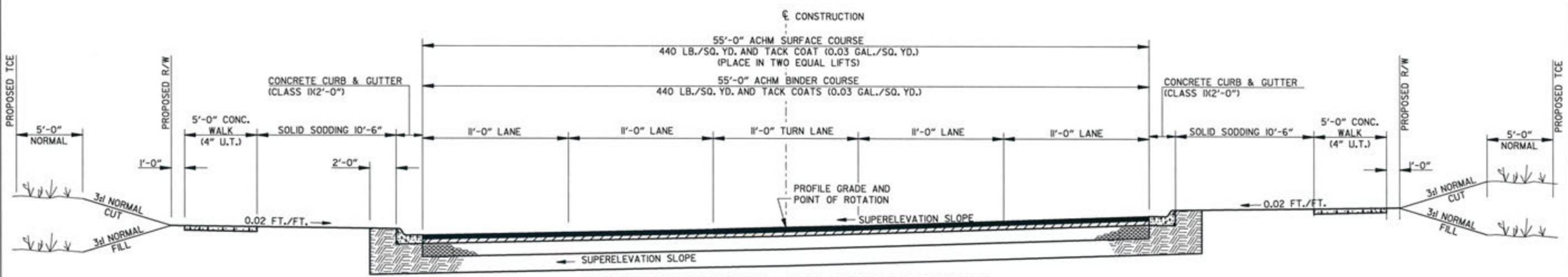
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TYPICAL SECTION SHEET 2

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



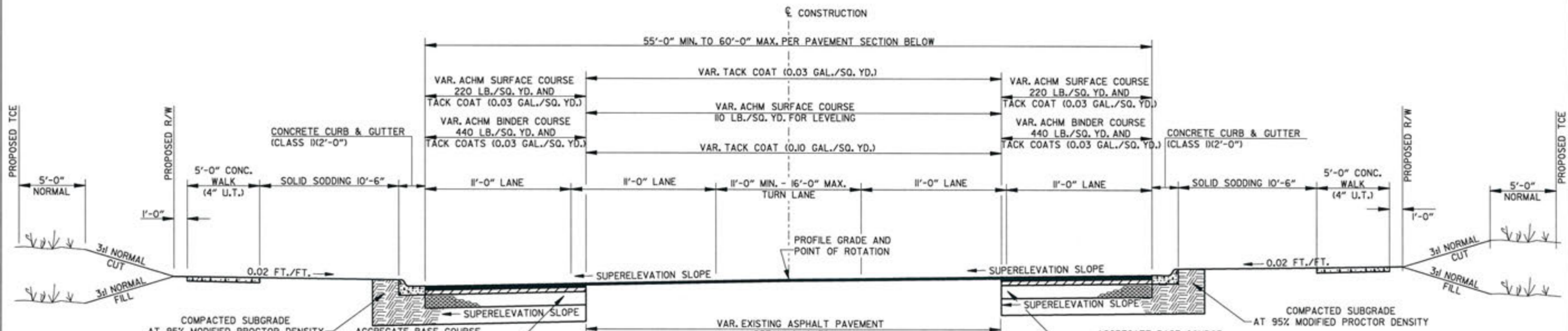
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 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-04**

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**SUPERELEVATION SECTION - FULL DEPTH CONSTRUCTION (CURVE TO LEFT)**  
 KANIS ROAD  
 STA. 64+46.82 TO STA. 70+42.18  
 STA. 79+54.67 TO STA. 79+89.30

NOTE:  
 1) REFER TO PW-24, PW-28, PW-41, & PW-42 OF THE STANDARD DETAILS FOR ADDITIONAL INFORMATION.  
 2) REFER TO PLAN SHEETS AND CROSS SECTION FOR DEVIATIONS.



**SUPERELEVATION SECTION - NOTCH & WIDENING (CURVE TO LEFT)**  
 KANIS ROAD  
 STA. 79+89.30 TO STA. 84+31.34

\* TRANSITION:  
 STA. 79+89.30 (55'-0") TO STA. 82+59.30 (60'-0")

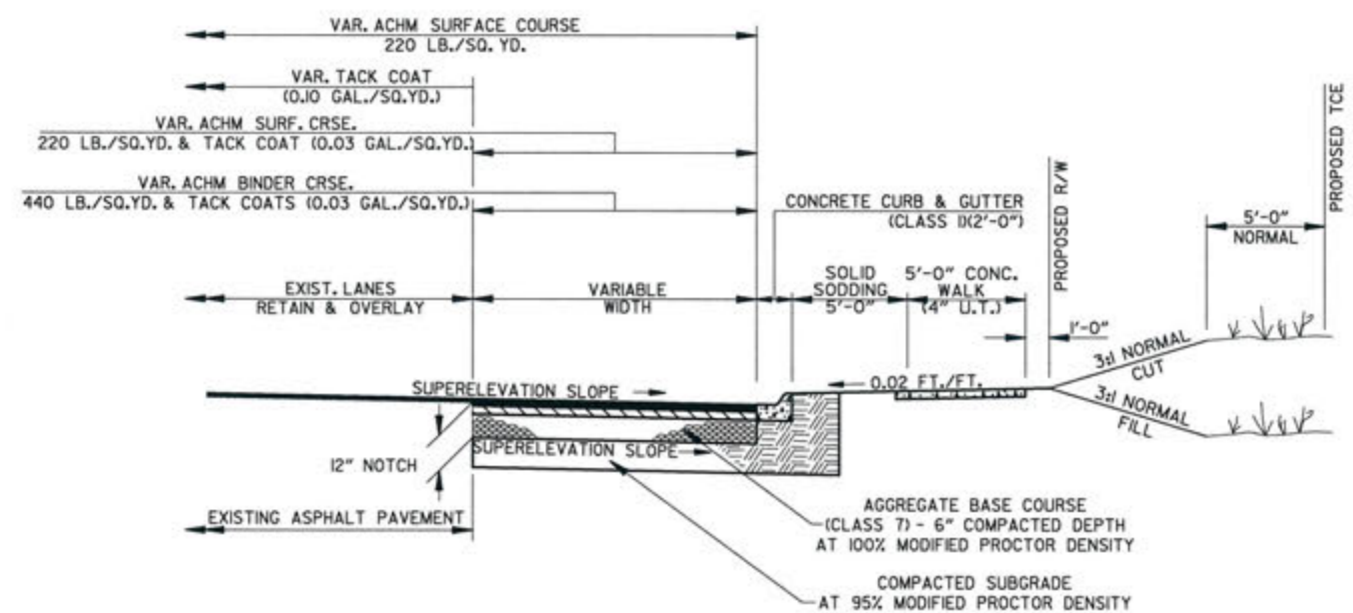
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TYPICAL SECTION SHEET 3

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 LITTLE ROCK, ARKANSAS 72201

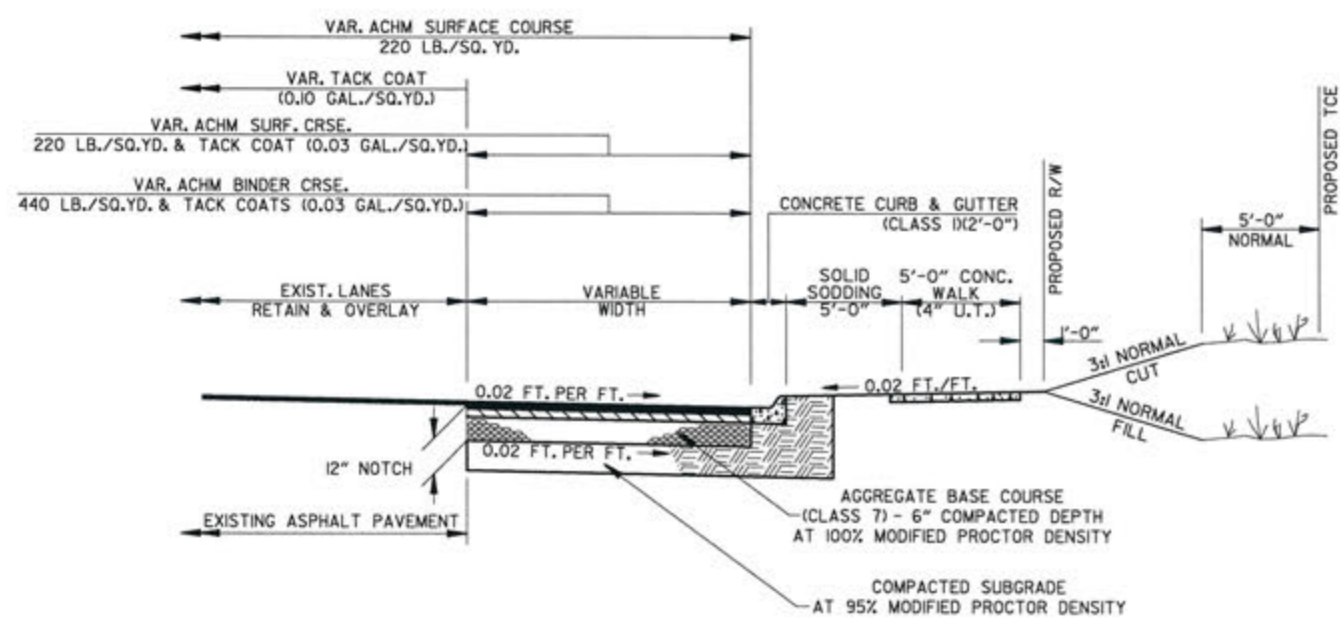


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 RFR  
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 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 8'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-05



**SUPERELEVATION SECTION - NOTCH & WIDENING  
 (CURVE TO LEFT)  
 (SHOWN IN DIRECTION OF TRAFFIC)**  
 KANIS ROAD  
 STA. 84+31.34 TO STA. 86+09.46

NOTE:  
 1) REFER TO PW-24, PW-28, PW-41, & PW-42 OF THE STANDARD DETAILS FOR ADDITIONAL INFORMATION.  
 2) REFER TO PLAN SHEETS AND CROSS SECTION FOR DEVIATIONS.



**TANGENT SECTION - NOTCH & WIDENING  
 (SHOWN IN DIRECTION OF TRAFFIC)**  
 KANIS ROAD  
 STA. 86+82.06 TO STA. 94+19.39

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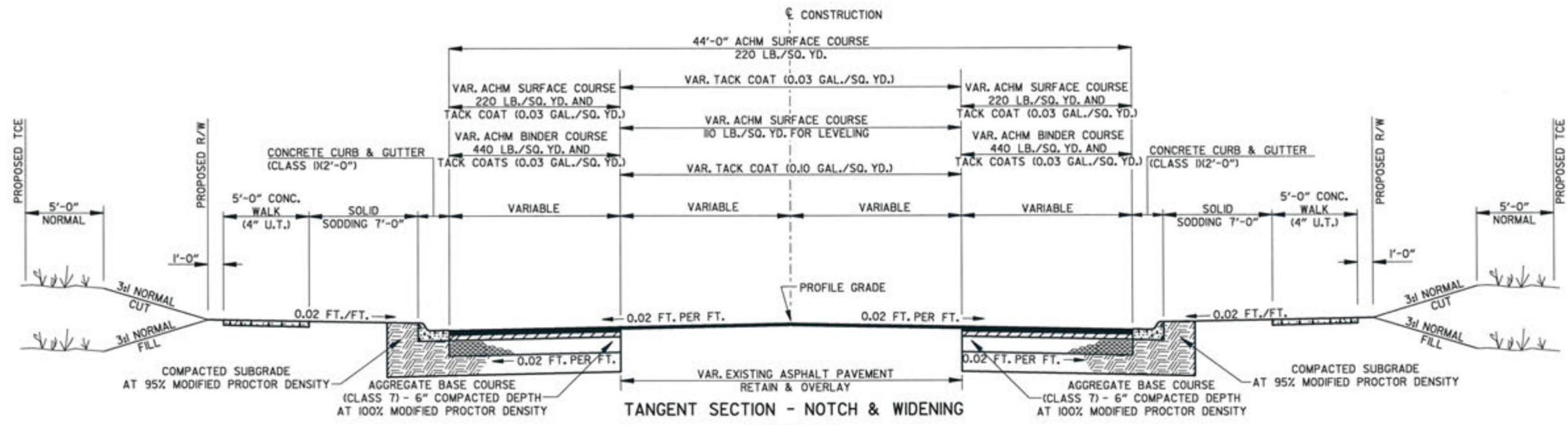
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 TYPICAL SECTION SHEET 4

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11477  
 ERVIN G. TOBIAS

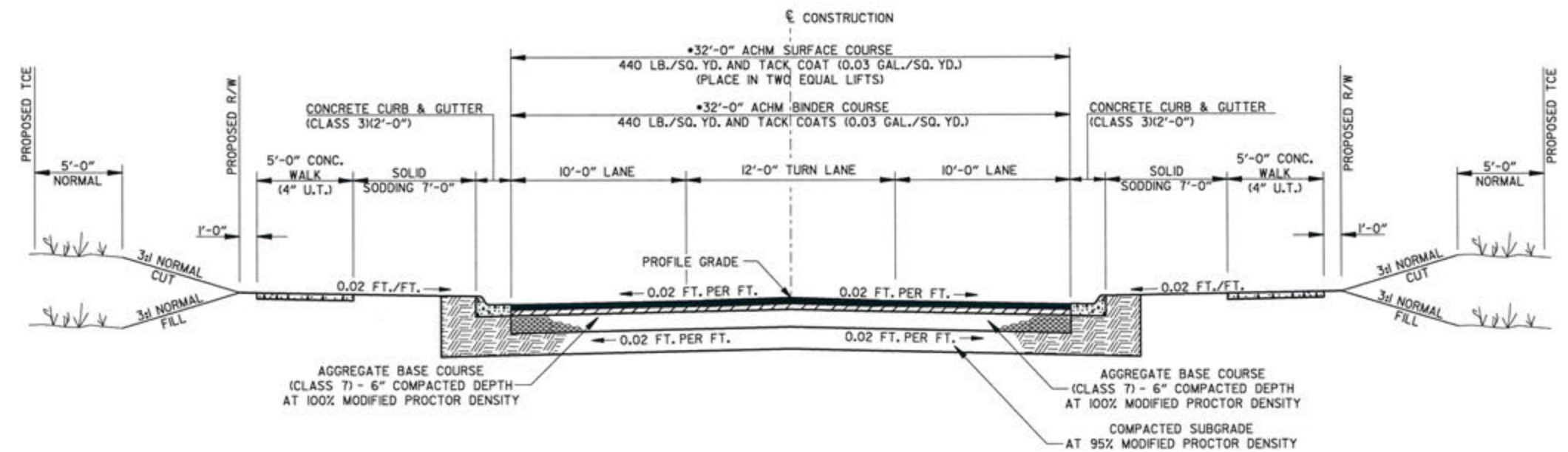
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 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 8'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-06**



**TANGENT SECTION - NOTCH & WIDENING**  
 BOWMAN ROAD  
 STA. 415+16.45 TO STA. 417+41.45  
 CENTERVIEW DRIVE  
 STA. 605+28.80 TO STA. 605+72.70  
 EMBASSY SUITES DRIVE  
 STA. 612+15.00 TO STA. 614+55.91

NOTE:  
 1) REFER TO PW-24, PW-28, PW-41, & PW-42 OF THE STANDARD DETAILS FOR ADDITIONAL INFORMATION.  
 2) REFER TO PLAN SHEETS AND CROSS SECTION FOR DEVIATIONS.

\*CENTER VIEW DRIVE - VARIABLE  
 EMBASSY SUITES DRIVE - VARIABLE



**TANGENT SECTION COLLECTOR - FULL DEPTH CONSTRUCTION**

\* POINT WEST DRIVE  
 STA. 209+14.00 TO STA. 209+54.66  
 CHERRY BROOK ROAD  
 STA. 309+20.00 TO STA. 309+70.05  
 AUTUMN ROAD  
 STA. 510+27.51 TO STA. 510+90.00  
 \* CENTER VIEW DRIVE  
 STA. 605+72.70 TO STA. 609+30.02  
 \* EMBASSY SUITES DRIVE  
 STA. 610+54.90 TO STA. 612+15.00

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REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TYPICAL SECTION SHEET 5

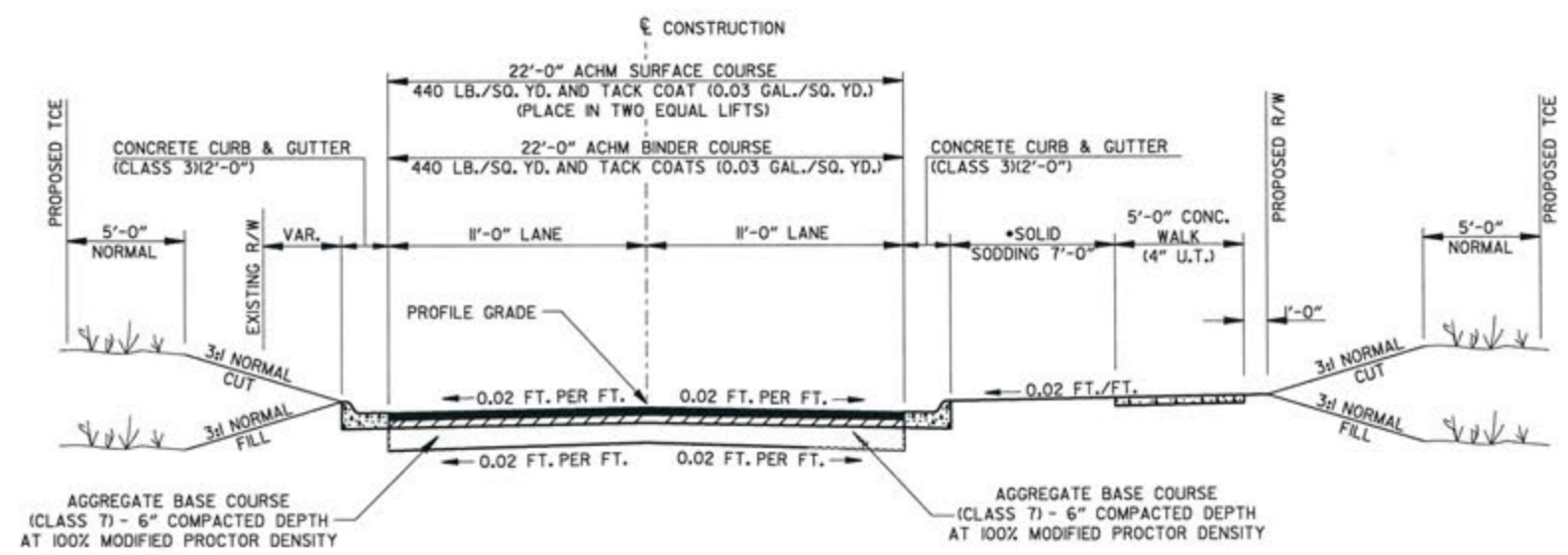
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 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 KEVIN G. TOBIAS

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02 / 24 / 17  
 SCALE 1" =  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-07

- NOTE:
- 1) REFER TO PW-22, PW-23, PW-29, PW-41, & PW-42 OF THE STANDARD DETAILS FOR ADDITIONAL INFORMATION.
  - 2) REFER TO PLAN SHEETS AND CROSS SECTION FOR DEVIATIONS.

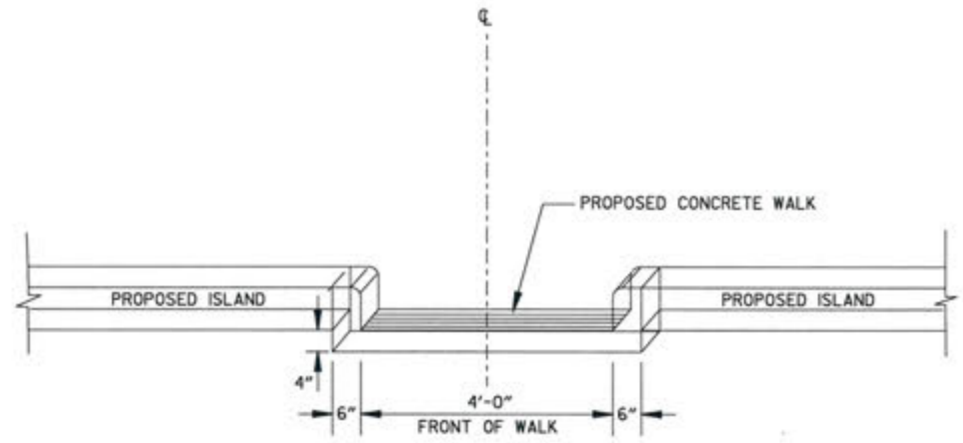
\*TRANSITION  
 STA. 111+70.00 (7' -0") TO STA. 112+00.00 (0' -0')



TANGENT SECTION - FULL DEPTH CONSTRUCTION

ATKINS ROAD  
 STA. 110+14.59 TO STA. 112+00.00

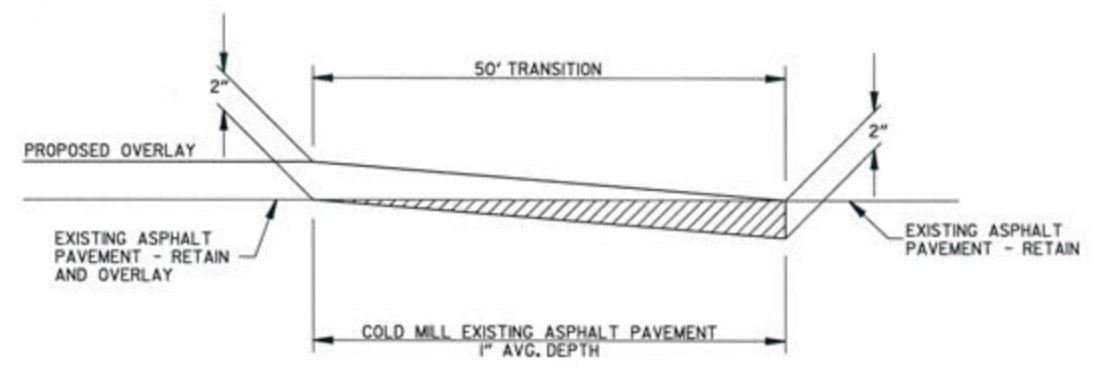
REVISIONS	DATE



**CONCRETE WALK THRU ISLAND**

FACE SHALL MEET REQUIREMENTS OF CLASS I CURB & GUTTER

NOTE: CONCRETE WALK THRU ISLAND SHALL BE POURED MONOLITHICALLY. ALL MATERIALS REQUIRED TO CONSTRUCT CONCRETE WALK THRU ISLAND SHALL BE INCLUDED IN THE PRICE BID FOR CONCRETE WALKS



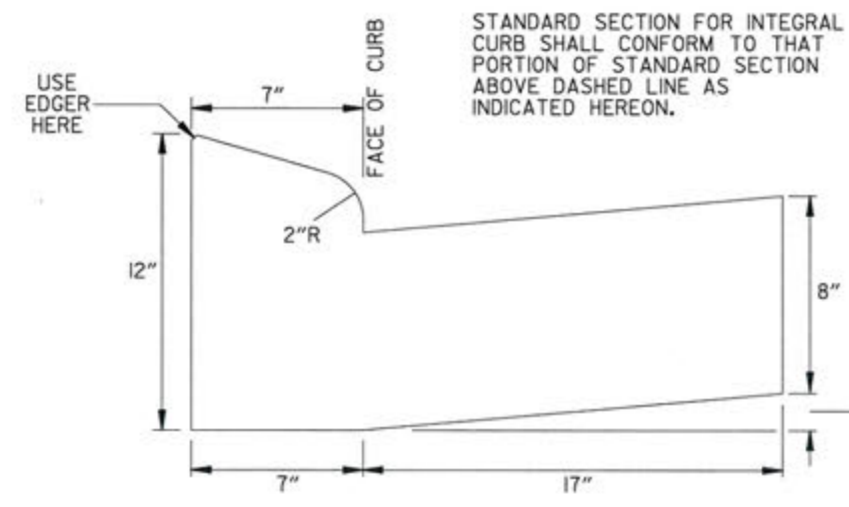
**PAVEMENT TRANSITION**

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
SPECIAL DETAIL SHEET 1

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBLESTY

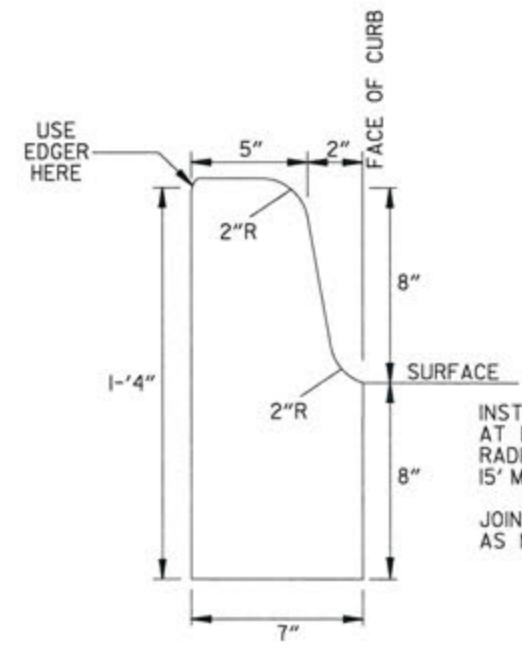
3-13-19  
DRAWN BY JAB  
DESIGNED KGT  
CHECKED KGT  
DATE 02/24/17  
SCALE NTS  
PROJECT NO. 13-B-5D-6A  
SHEET NO. C-08



**CURB & GUTTER (SPECIAL)**

INSTALL 1/2" BITUMINOUS EXPANSION JOINT MATERIAL AT 100' MAX. INTERVALS OR AT TIE INS TO BOXES, RADIUS RETURNS OR DRIVEWAYS APRONS. CONTROL JOINTS 15' MAX. O.C.

JOINT SEALANT SHALL BE SONNEBORN SL2 SELF LEVELING URETHANE AS MANUFACTURED BY CHEMREX OR EQUIVALENT.



**CURB (SPECIAL)**

STANDARD SECTION FOR INTEGRAL CURB SHALL CONFORM TO THAT PORTION OF STANDARD SECTION ABOVE DASHED LINE AS INDICATED HEREON.

INSTALL 1/2" BITUMINOUS EXPANSION JOINT MATERIAL AT 100' MAX. INTERVALS OR AT TIE INS TO BOXES, RADIUS RETURNS OR DRIVEWAYS APRONS. CONTROL JOINTS 15' MAX. O.C.

JOINT SEALANT SHALL BE SONNEBORN SL2 SELF LEVELING URETHANE AS MANUFACTURED BY CHEMREX OR EQUIVALENT.



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REVISIONS	DATE

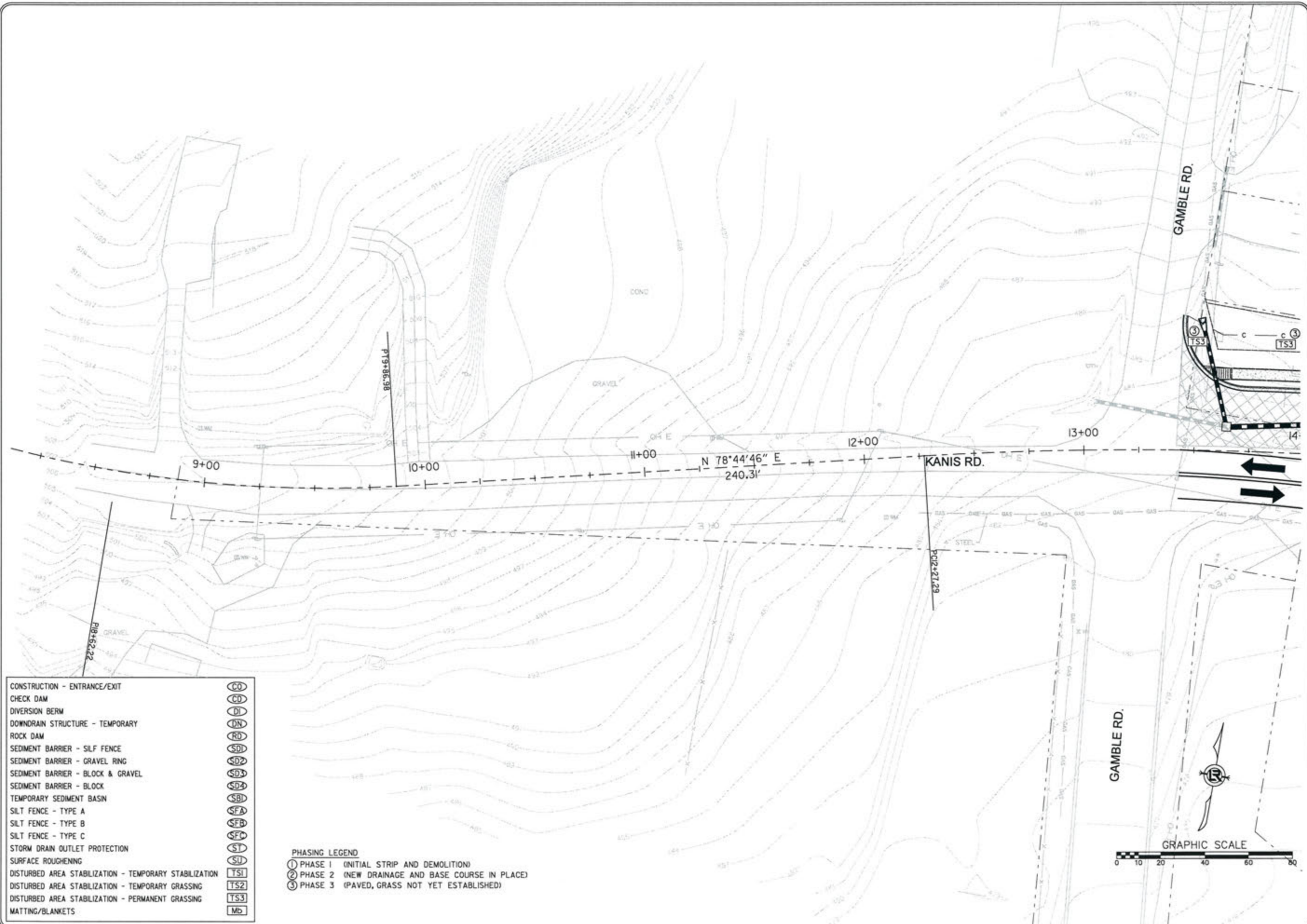
CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
SPECIAL DETAIL

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



*3-15-17*

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-09



CONSTRUCTION - ENTRANCE/EXIT	(CO)
CHECK DAM	(CD)
DIVERSION BERM	(DI)
DOWNDRAIN STRUCTURE - TEMPORARY	(DN)
ROCK DAM	(RD)
SEDIMENT BARRIER - SILF FENCE	(SD)
SEDIMENT BARRIER - GRAVEL RING	(S02)
SEDIMENT BARRIER - BLOCK & GRAVEL	(S03)
SEDIMENT BARRIER - BLOCK	(S04)
TEMPORARY SEDIMENT BASIN	(SB)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN OUTLET PROTECTION	(SI)
SURFACE ROUGHENING	(SU)
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	(TS1)
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	(TS2)
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	(TS3)
MATTING/BLANKETS	(Mb)

**PHASING LEGEND**  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

REVISIONS	DATE

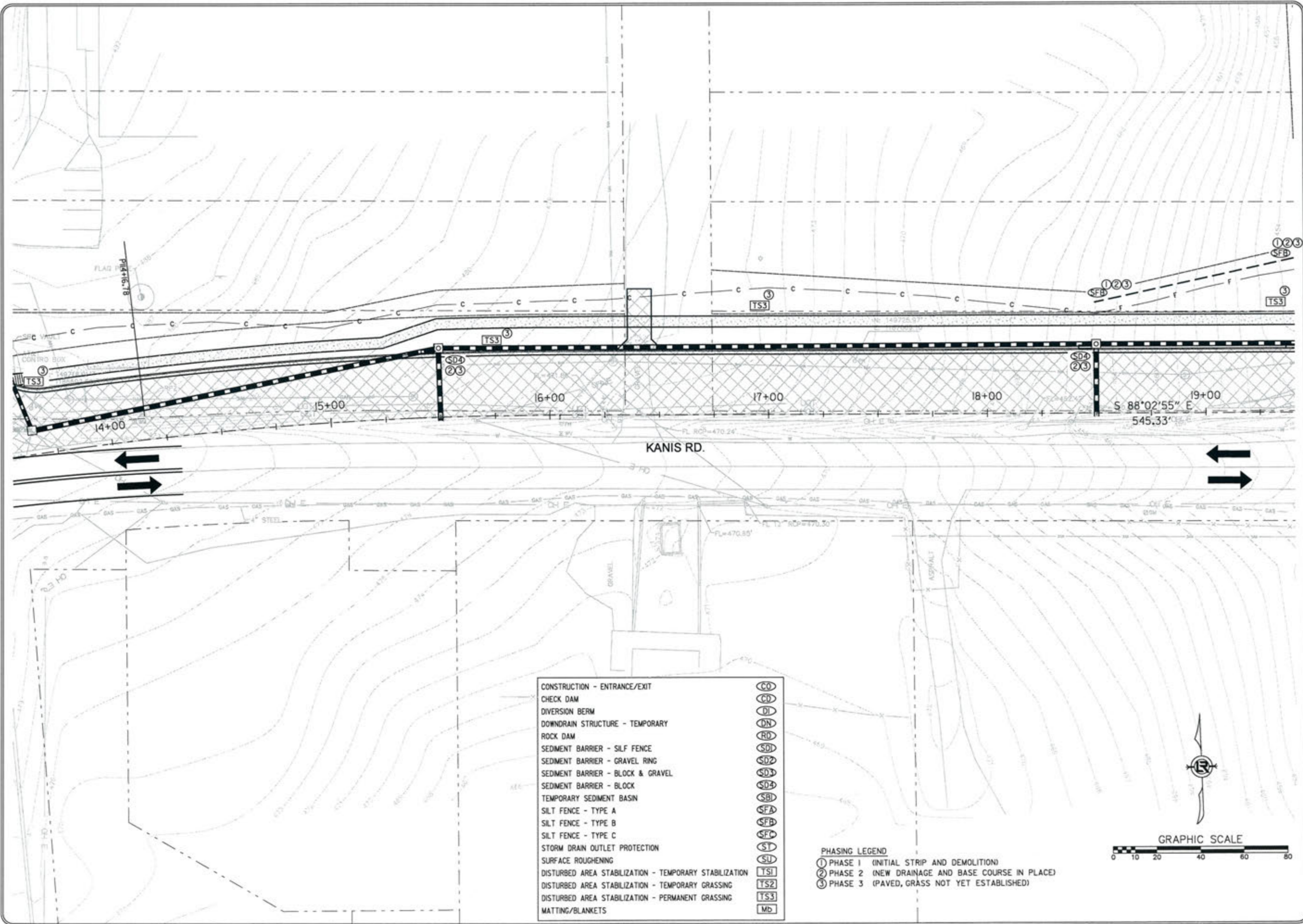
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 1

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11407  
 KEVIN G. TOBIAS

3-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-10



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 2

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TORLESKY  
 3-15-17

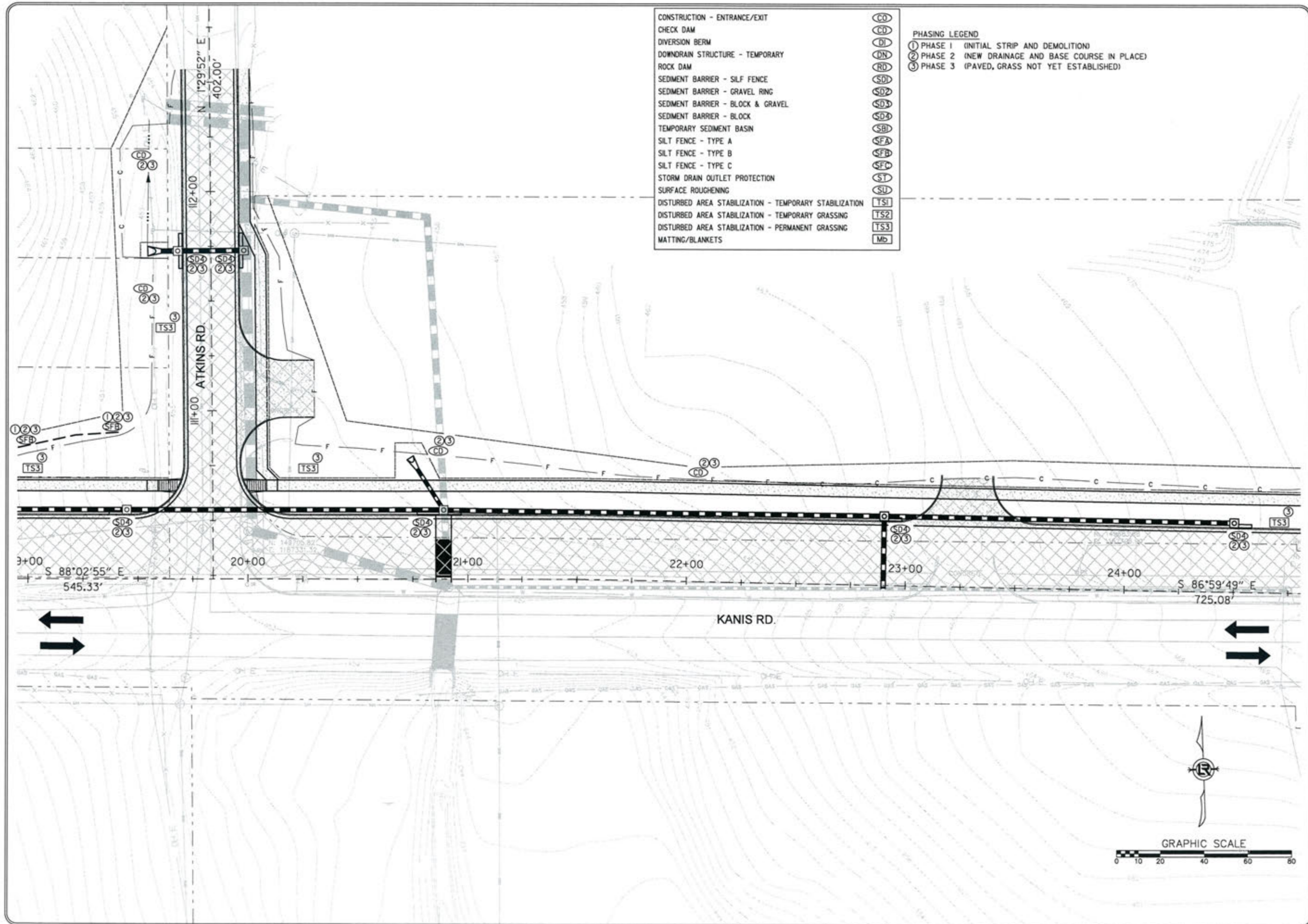
DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-11

CONSTRUCTION - ENTRANCE/EXIT	(CO)
CHECK DAM	(CD)
DIVERSION BERM	(DI)
DOWNDRAIN STRUCTURE - TEMPORARY	(DN)
ROCK DAM	(RD)
SEDIMENT BARRIER - SILF FENCE	(SD1)
SEDIMENT BARRIER - GRAVEL RING	(SD2)
SEDIMENT BARRIER - BLOCK & GRAVEL	(SD3)
SEDIMENT BARRIER - BLOCK	(SD4)
TEMPORARY SEDIMENT BASIN	(SBI)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN OUTLET PROTECTION	(ST)
SURFACE ROUGHENING	(SU)
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	(TS1)
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	(TS2)
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	(TS3)
MATTING/BLANKETS	(MB)

PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

- CONSTRUCTION - ENTRANCE/EXIT (CD)
- CHECK DAM (CD)
- DIVERSION BERM (DI)
- DOWNDRAIN STRUCTURE - TEMPORARY (DN)
- ROCK DAM (RD)
- SEDIMENT BARRIER - SILF FENCE (SD1)
- SEDIMENT BARRIER - GRAVEL RING (SD2)
- SEDIMENT BARRIER - BLOCK & GRAVEL (SD3)
- SEDIMENT BARRIER - BLOCK (SD4)
- TEMPORARY SEDIMENT BASIN (SBI)
- SILT FENCE - TYPE A (SFA)
- SILT FENCE - TYPE B (SFB)
- SILT FENCE - TYPE C (SFC)
- STORM DRAIN OUTLET PROTECTION (ST)
- SURFACE ROUGHENING (SU)
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS1)
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)
- MATTING/BLANKETS (Mb)

- PHASING LEGEND
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



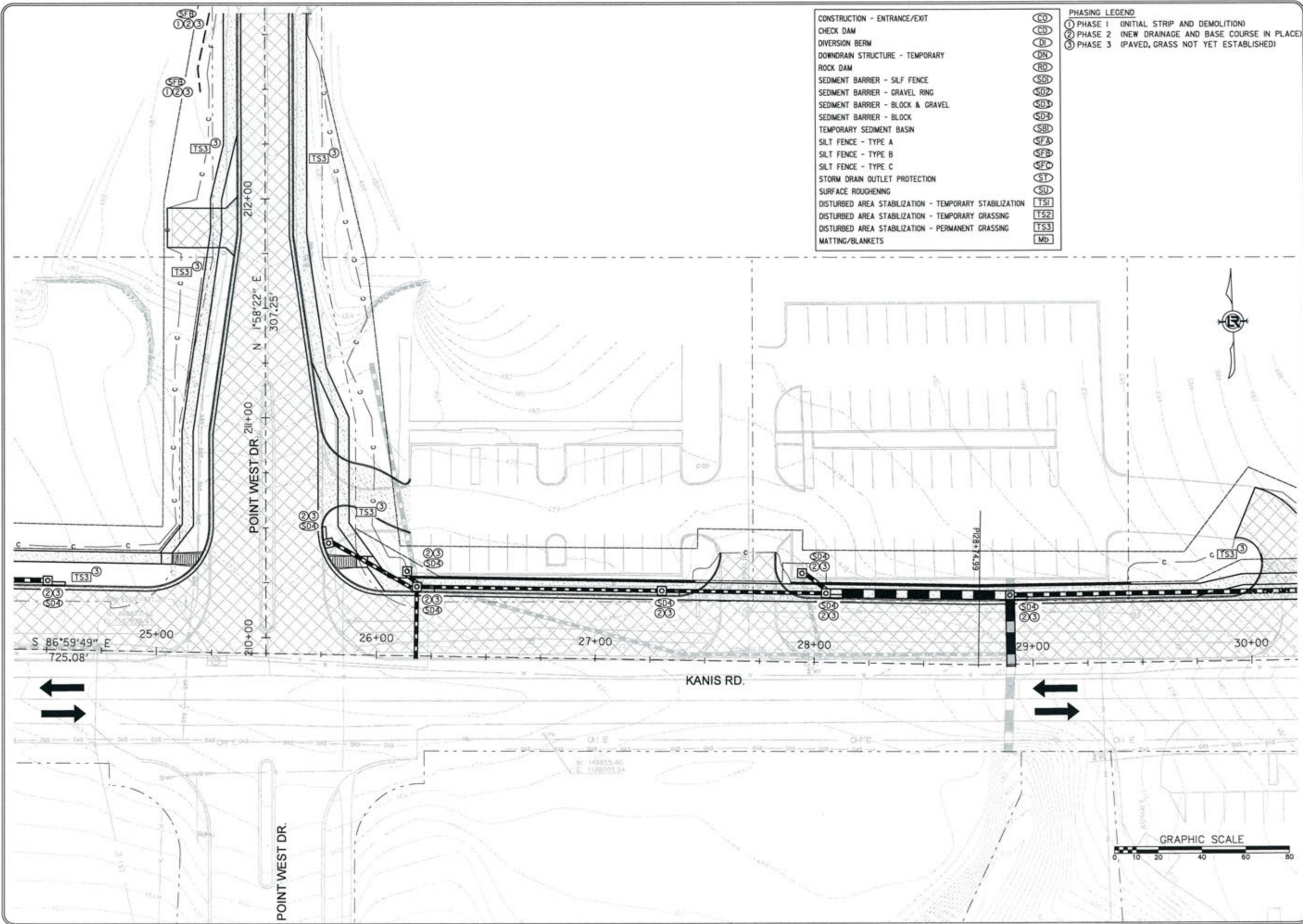
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
TEMPORARY EROSION CONTROL PLAN  
KANIS ROAD  
GAMBLE TO SHACKLEFORD - STAGE 1  
SHEET 3

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

  
 STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLER

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-12



- CONSTRUCTION - ENTRANCE/EXIT (CO)
- CHECK DAM (CD)
- DIVERSION BERM (DI)
- DOWNDRAIN STRUCTURE - TEMPORARY (DN)
- ROCK DAM (RD)
- SEDIMENT BARRIER - SILT FENCE (SD1)
- SEDIMENT BARRIER - GRAVEL RING (SD2)
- SEDIMENT BARRIER - BLOCK & GRAVEL (SD3)
- SEDIMENT BARRIER - BLOCK (SD4)
- TEMPORARY SEDIMENT BASIN (SBI)
- SILT FENCE - TYPE A (SFA)
- SILT FENCE - TYPE B (SFB)
- SILT FENCE - TYPE C (SFC)
- STORM DRAIN OUTLET PROTECTION (ST)
- SURFACE ROUGHENING (SU)
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS1)
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)
- MATTING/BLANKETS (Mb)

- PHASING LEGEND**
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**KANIS ROAD**  
**TEMPORARY EROSION CONTROL PLAN**  
**KANIS ROAD**  
**GAMBLE TO SHACKLEFORD - STAGE 1**  
**SHEET 4**

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

  
 STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOLBERT  
 3-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	RFR
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-SD-6A
SHEET NO.	C-13

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 5

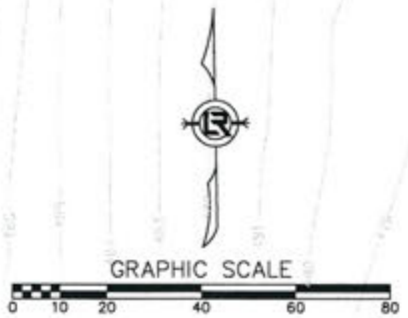
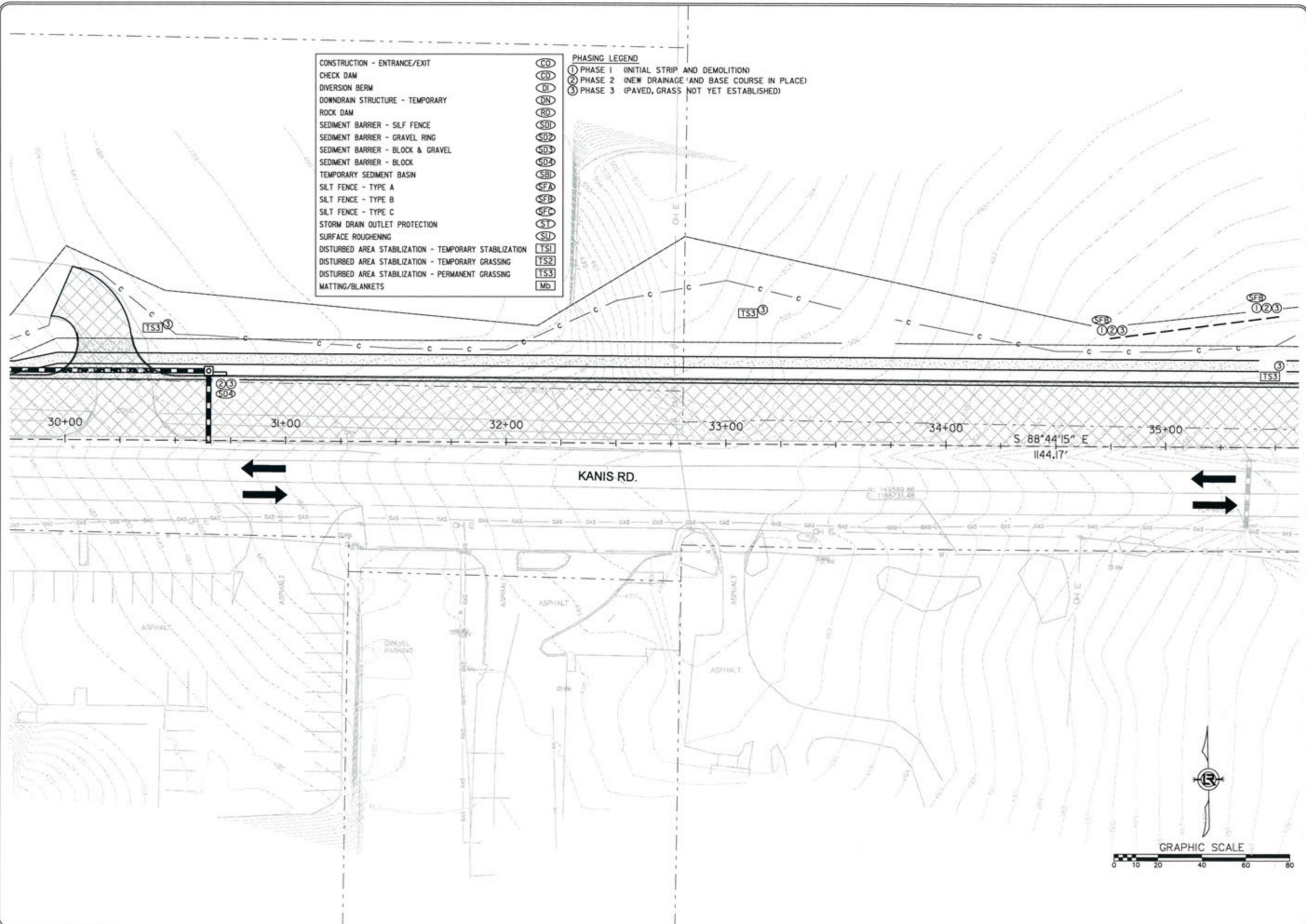
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

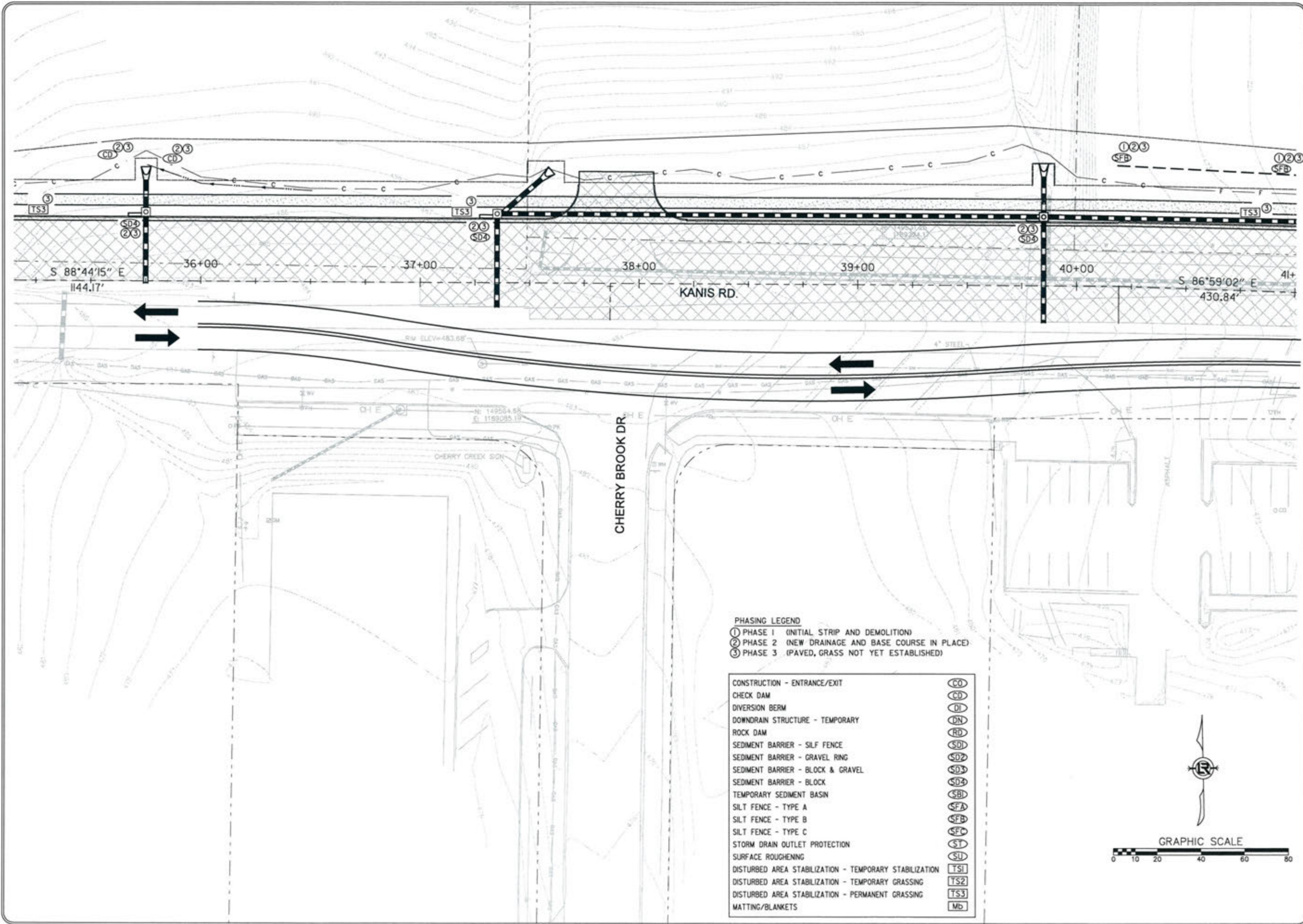
STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBLEBY

3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-14

- CONSTRUCTION - ENTRANCE/EXIT (CO)
- CHECK DAM (CD)
- DIVERSION BERM (DI)
- DOWNDRAIN STRUCTURE - TEMPORARY (DN)
- ROCK DAM (RD)
- SEDIMENT BARRIER - SILT FENCE (SD)
- SEDIMENT BARRIER - GRAVEL RING (SD2)
- SEDIMENT BARRIER - BLOCK & GRAVEL (SD3)
- SEDIMENT BARRIER - BLOCK (SD4)
- TEMPORARY SEDIMENT BASIN (SBI)
- SILT FENCE - TYPE A (SFA)
- SILT FENCE - TYPE B (SFB)
- SILT FENCE - TYPE C (SFC)
- STORM DRAIN OUTLET PROTECTION (ST)
- SURFACE ROUGHENING (SU)
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS1)
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)
- MATTING/BLANKETS (Mb)

- PHASING LEGEND
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)





- PHASING LEGEND**
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILT FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SB1
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATTING/BLANKETS	Mb

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 6

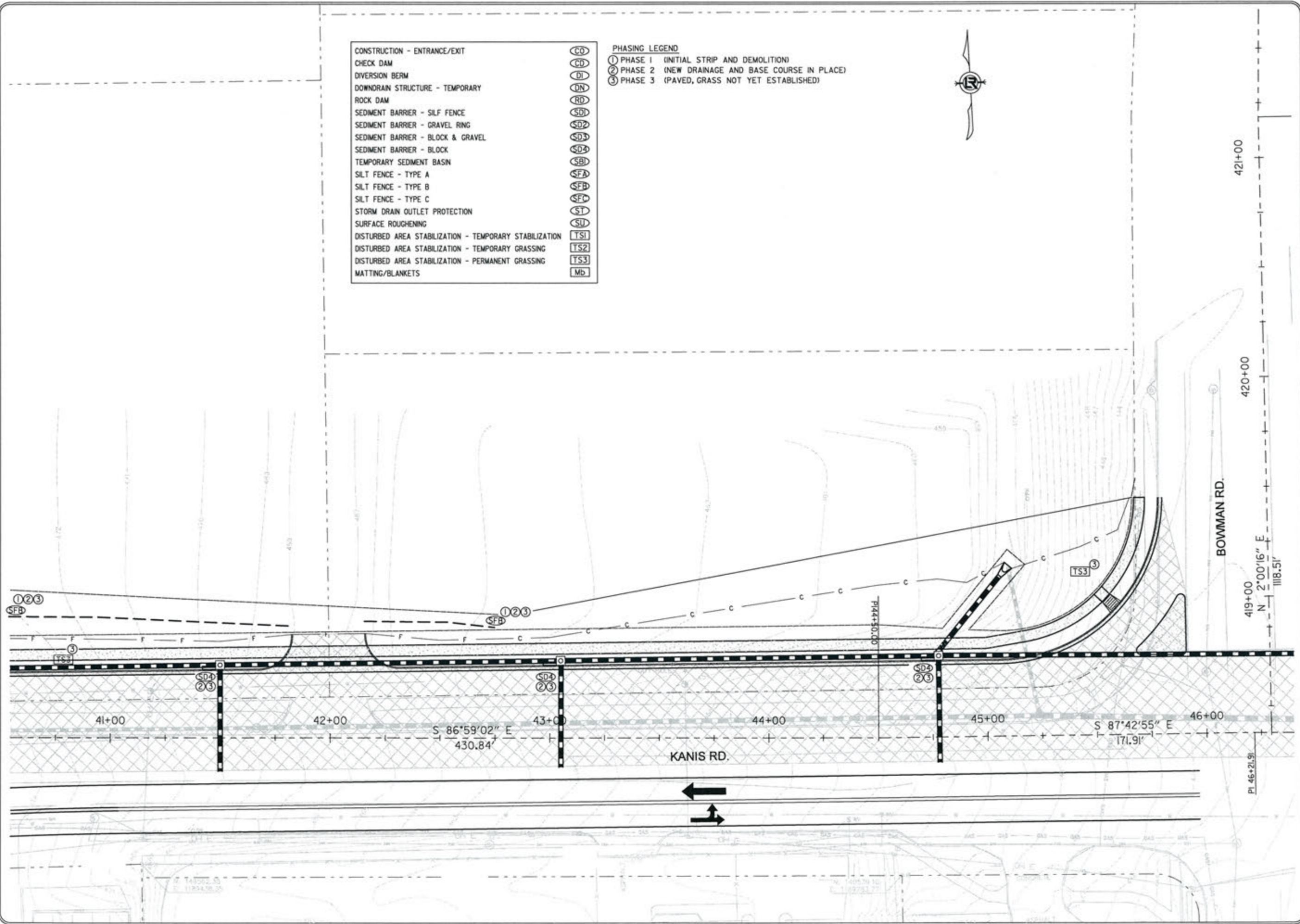
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLESKY

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-15

CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILF FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SBI
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATTING/BLANKETS	Mb

PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 7

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11497  
 IRVIN G. TOLBERT

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 40'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-16

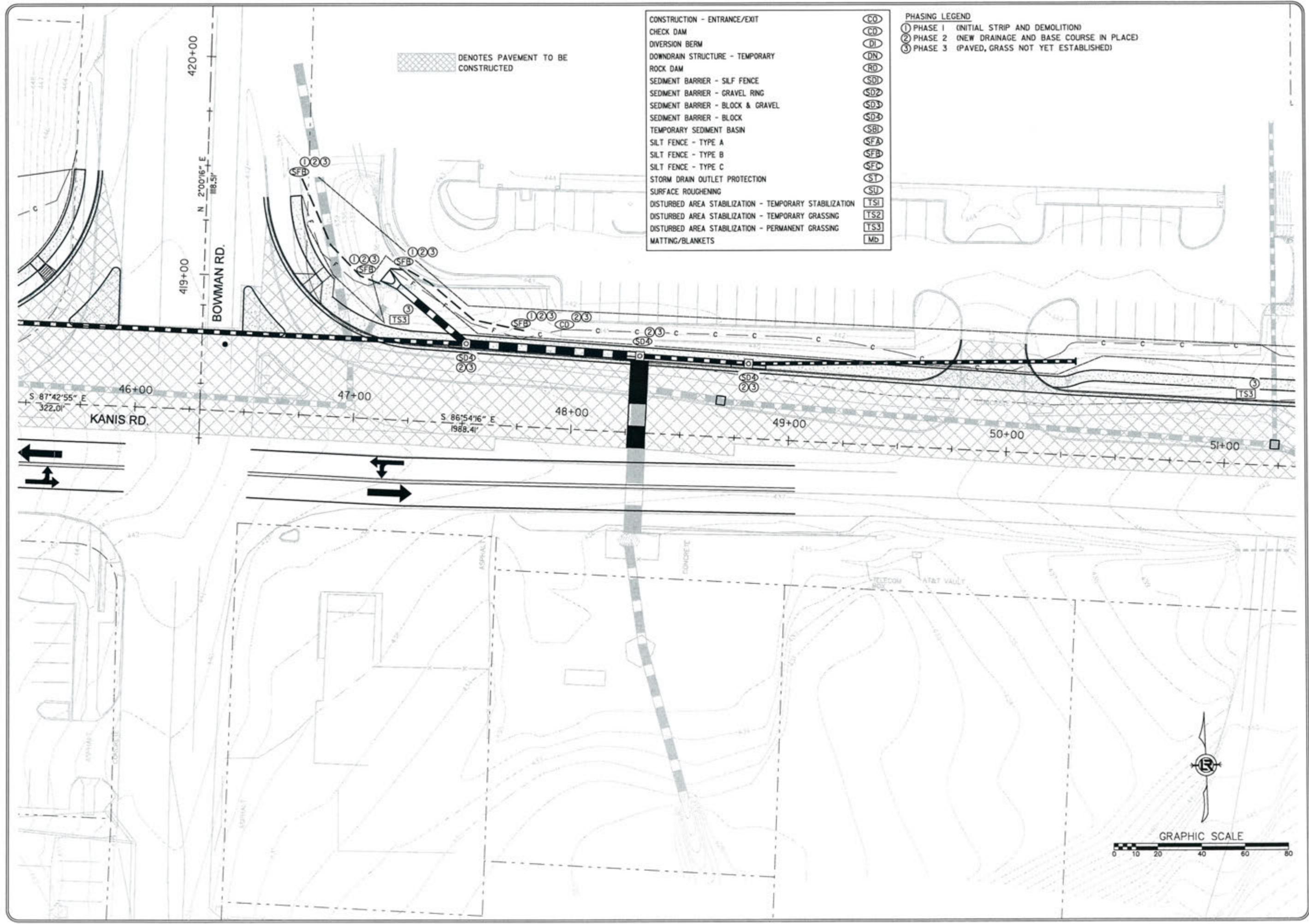


- CONSTRUCTION - ENTRANCE/EXIT  
 CHECK DAM  
 DIVERSION BERM  
 DOWNDRAIN STRUCTURE - TEMPORARY  
 ROCK DAM  
 SEDIMENT BARRIER - SILT FENCE  
 SEDIMENT BARRIER - GRAVEL RING  
 SEDIMENT BARRIER - BLOCK & GRAVEL  
 SEDIMENT BARRIER - BLOCK  
 TEMPORARY SEDIMENT BASIN  
 SILT FENCE - TYPE A  
 SILT FENCE - TYPE B  
 SILT FENCE - TYPE C  
 STORM DRAIN OUTLET PROTECTION  
 SURFACE ROUGHENING  
 DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION  
 DISTURBED AREA STABILIZATION - TEMPORARY GRASSING  
 DISTURBED AREA STABILIZATION - PERMANENT GRASSING  
 MATTING/BANKETS

- PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

- CO
- CD
- DI
- DN
- RD
- SD1
- SD2
- SD3
- SD4
- SBI
- SFA
- SFB
- SFC
- ST
- SU
- TS1
- TS2
- TS3
- Mb

DENOTES PAVEMENT TO BE CONSTRUCTED



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 8

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLESKY

3-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	RFR
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-17

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 9

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

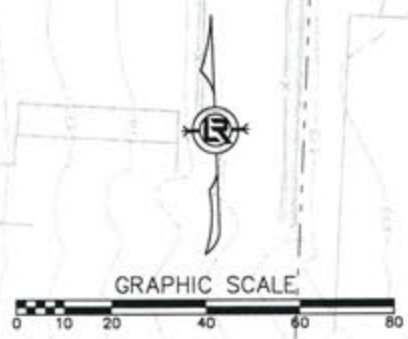
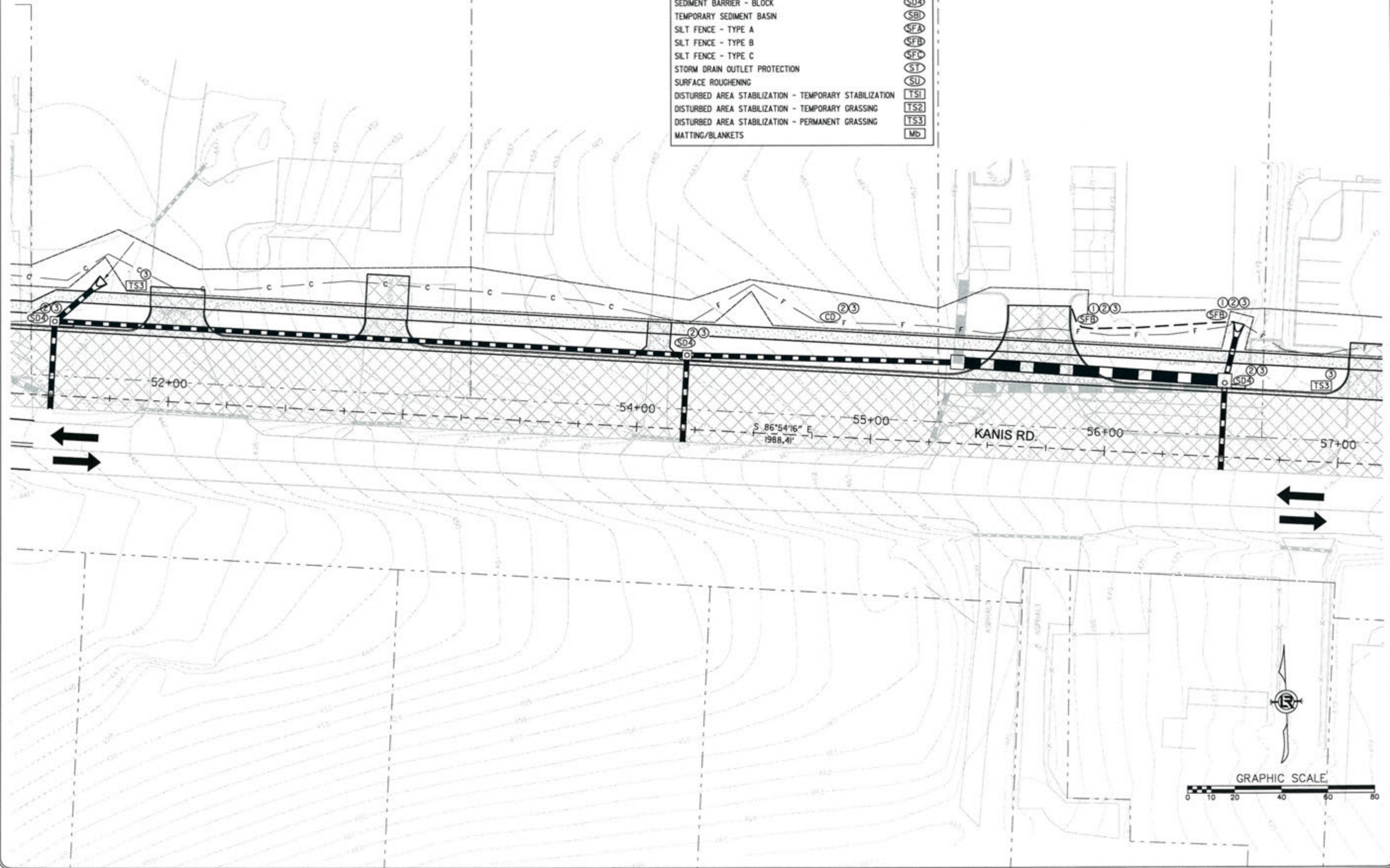
STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 IRVIN G. TOBIAS

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 40'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-18

- CONSTRUCTION - ENTRANCE/EXIT (CO)  
 CHECK DAM (CD)  
 DIVERSION BERM (DI)  
 DOWNDRAIN STRUCTURE - TEMPORARY (DN)  
 ROCK DAM (RD)  
 SEDIMENT BARRIER - SILT FENCE (SDI)  
 SEDIMENT BARRIER - GRAVEL RING (SD2)  
 SEDIMENT BARRIER - BLOCK & GRAVEL (SD3)  
 SEDIMENT BARRIER - BLOCK (SD4)  
 TEMPORARY SEDIMENT BASIN (SBI)  
 SILT FENCE - TYPE A (SFA)  
 SILT FENCE - TYPE B (SFB)  
 SILT FENCE - TYPE C (SFC)  
 STORM DRAIN OUTLET PROTECTION (ST)  
 SURFACE ROUGHENING (SU)  
 DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS1)  
 DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)  
 DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)  
 MATTING/BLANKETS (Mb)

- PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

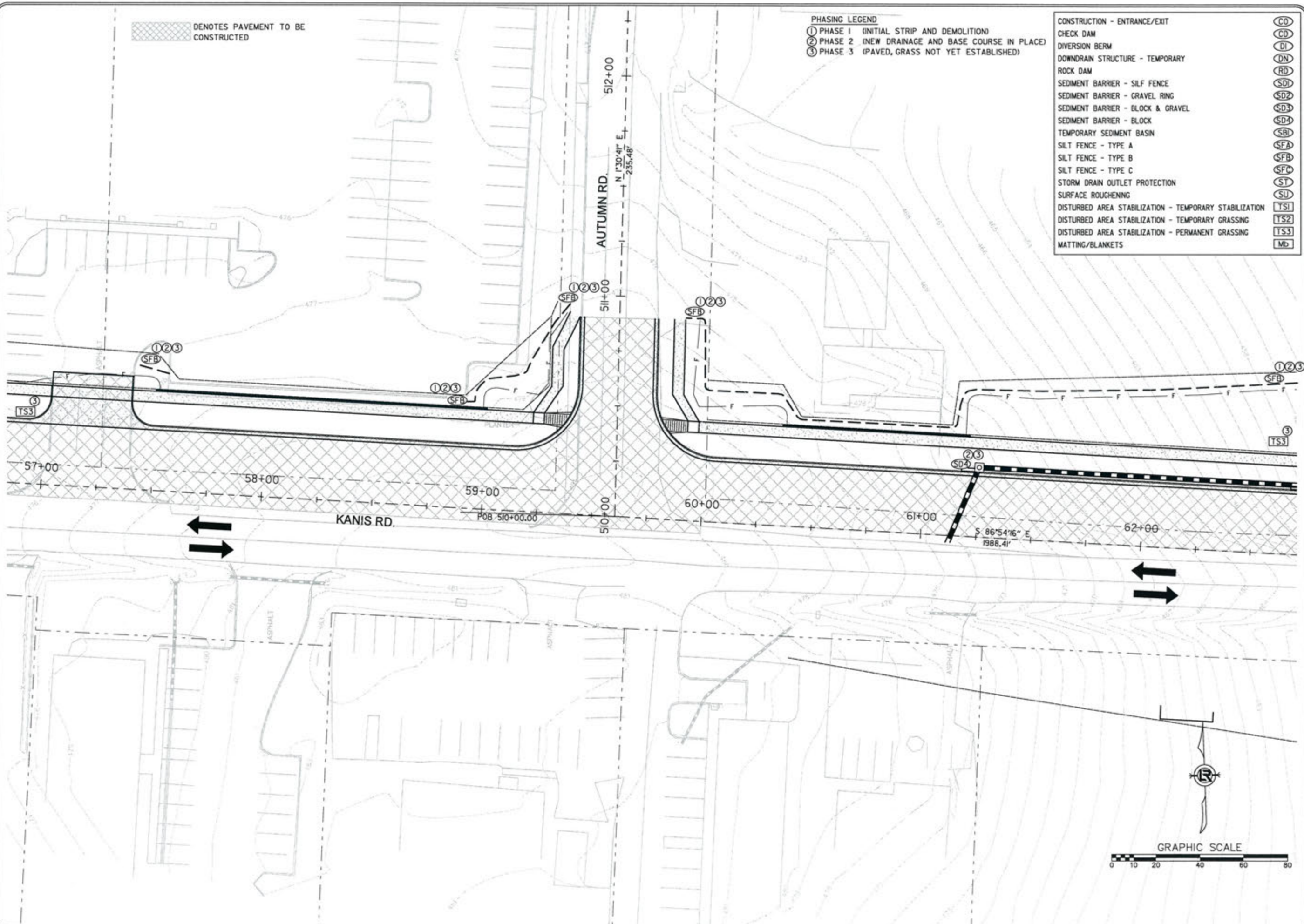
DENOTES PAVEMENT TO BE CONSTRUCTED



DENOTES PAVEMENT TO BE CONSTRUCTED

- PHASING LEGEND**
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

- CONSTRUCTION - ENTRANCE/EXIT (CO)
- CHECK DAM (CD)
- DIVERSION BERM (DI)
- DOWNDRAIN STRUCTURE - TEMPORARY (DN)
- ROCK DAM (RD)
- SEDIMENT BARRIER - SILF FENCE (SD1)
- SEDIMENT BARRIER - GRAVEL RING (SD2)
- SEDIMENT BARRIER - BLOCK & GRAVEL (SD3)
- SEDIMENT BARRIER - BLOCK (SD4)
- TEMPORARY SEDIMENT BASIN (SBI)
- SILT FENCE - TYPE A (SFA)
- SILT FENCE - TYPE B (SFB)
- SILT FENCE - TYPE C (SFC)
- STORM DRAIN OUTLET PROTECTION (ST)
- SURFACE ROUGHENING (SU)
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS1)
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)
- MATTING/BANKETS (Mb)



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 10

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
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 No. 11427  
 KEVIN G. TOBLESTY

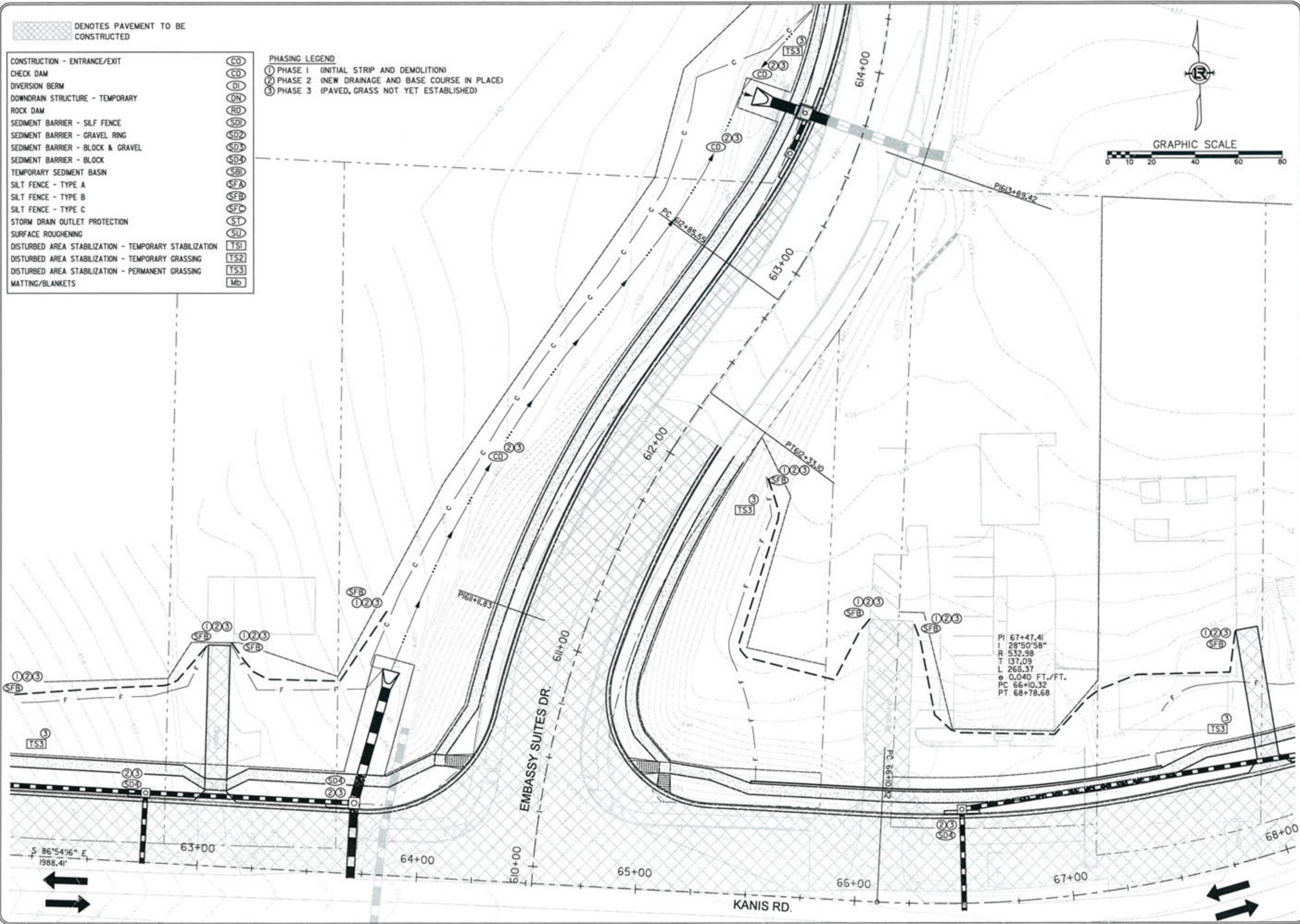
3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 40'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-19

DENOTES PAVEMENT TO BE CONSTRUCTED

- CONSTRUCTION - ENTRANCE/EXIT
- CHECK DAM
- DIVERSION BERM
- DOWNDRAIN STRUCTURE - TEMPORARY
- ROCK DAM
- SEDIMENT BARRIER - SILF FENCE
- SEDIMENT BARRIER - GRAVEL RING
- SEDIMENT BARRIER - BLOCK & GRAVEL
- SEDIMENT BARRIER - BLOCK
- TEMPORARY SEDIMENT BASIN
- SILT FENCE - TYPE A
- SILT FENCE - TYPE B
- SILT FENCE - TYPE C
- STORM DRAIN OUTLET PROTECTION
- SURFACE ROUGHENING
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING
- MATTING/BLANKETS

- CO
- CD
- DI
- DN
- RD
- SD1
- SD2
- SD3
- SD4
- SBI
- SFA
- SFB
- SFC
- SU
- TS1
- TS2
- TS3
- Mb

- PHASING LEGEND
- 1 PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - 2 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - 3 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



REVISIONS	DATE

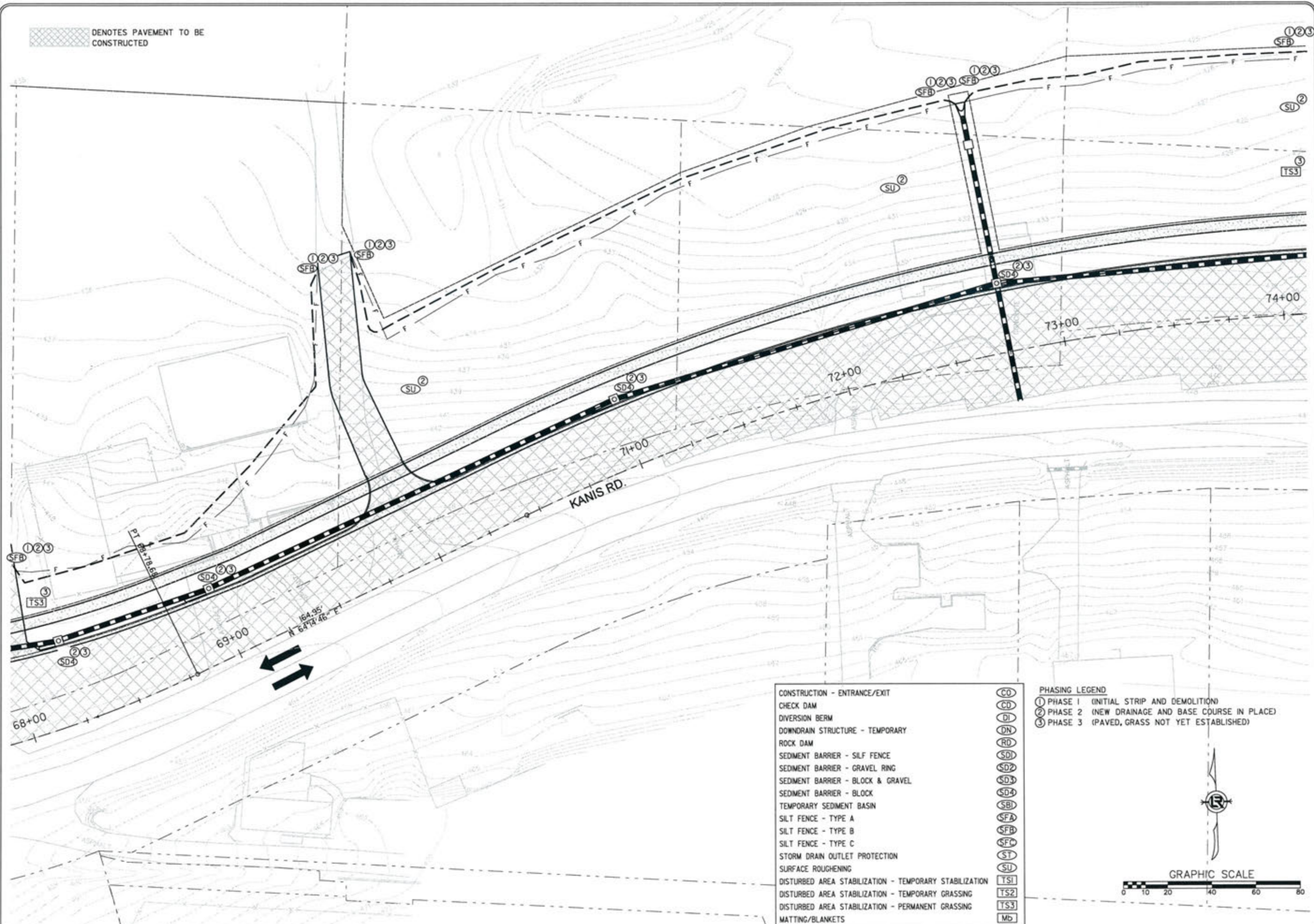
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 11

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11477  
 KEVIN G. TOBIAS

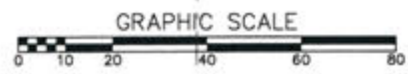
3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 40'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-20

DENOTES PAVEMENT TO BE CONSTRUCTED



CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILT FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SBI
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATTING/BANKETS	MD

PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 12

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
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 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBIAS

3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-21

DENOTES PAVEMENT TO BE CONSTRUCTED

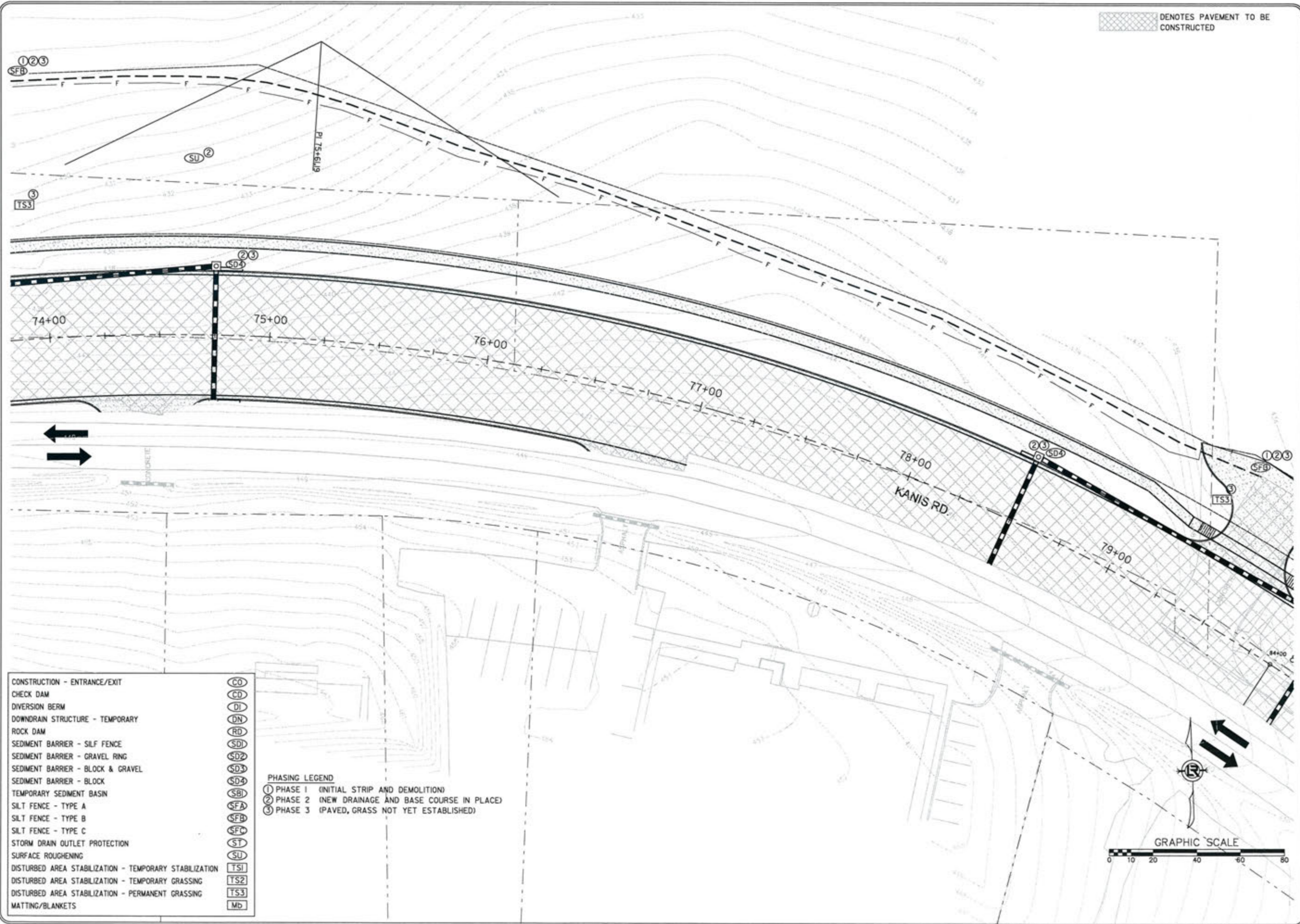
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 13

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLESKY

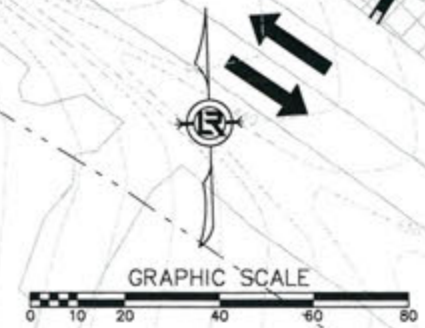
3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-22

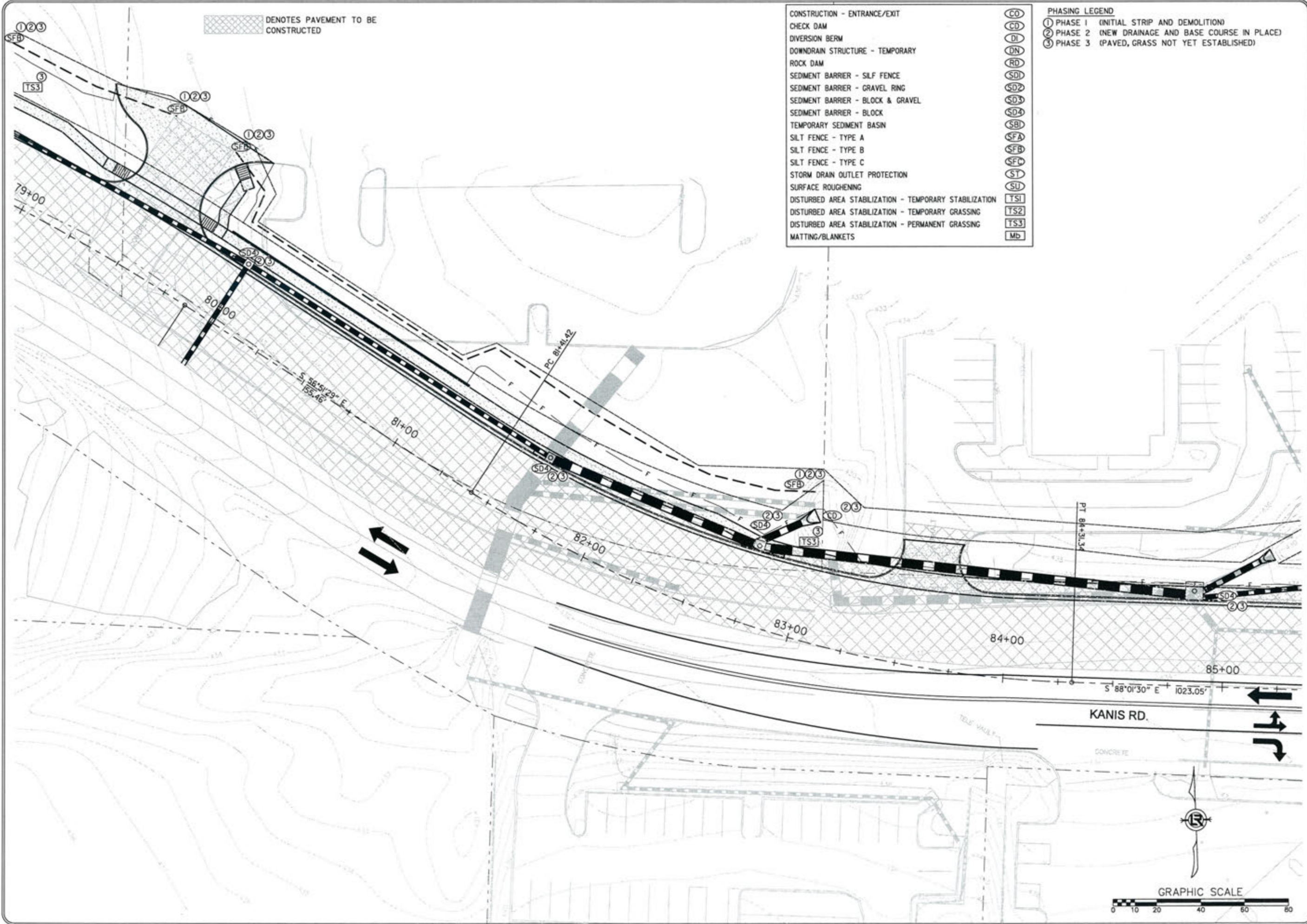


- CONSTRUCTION - ENTRANCE/EXIT
- CHECK DAM
- DIVERSION BERM
- DOWNDRAIN STRUCTURE - TEMPORARY
- ROCK DAM
- SEDIMENT BARRIER - SILF FENCE
- SEDIMENT BARRIER - GRAVEL RING
- SEDIMENT BARRIER - BLOCK & GRAVEL
- SEDIMENT BARRIER - BLOCK
- TEMPORARY SEDIMENT BASIN
- SILT FENCE - TYPE A
- SILT FENCE - TYPE B
- SILT FENCE - TYPE C
- STORM DRAIN OUTLET PROTECTION
- SURFACE ROUGHENING
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING
- MATTING/BLANKETS

- (CO)
- (CD)
- (DI)
- (DN)
- (RD)
- (SD1)
- (SD2)
- (SD3)
- (SD4)
- (SBI)
- (SFA)
- (SFB)
- (SFC)
- (ST)
- (SU)
- (TS1)
- (TS2)
- (TS3)
- (Mb)

PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)





DENOTES PAVEMENT TO BE CONSTRUCTED

- CONSTRUCTION - ENTRANCE/EXIT  
 CHECK DAM  
 DIVERSION BERM  
 DOWNDRAIN STRUCTURE - TEMPORARY  
 ROCK DAM  
 SEDIMENT BARRIER - SILF FENCE  
 SEDIMENT BARRIER - GRAVEL RING  
 SEDIMENT BARRIER - BLOCK & GRAVEL  
 SEDIMENT BARRIER - BLOCK  
 TEMPORARY SEDIMENT BASIN  
 SILT FENCE - TYPE A  
 SILT FENCE - TYPE B  
 SILT FENCE - TYPE C  
 STORM DRAIN OUTLET PROTECTION  
 SURFACE ROUGHENING  
 DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION  
 DISTURBED AREA STABILIZATION - TEMPORARY GRASSING  
 DISTURBED AREA STABILIZATION - PERMANENT GRASSING  
 MATTING/BLANKETS

- PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

- CO
- CD
- DI
- DN
- RD
- SD1
- SD2
- SD3
- SD4
- SBI
- SFA
- SFB
- SFC
- ST
- SU
- TS1
- TS2
- TS3
- Mb

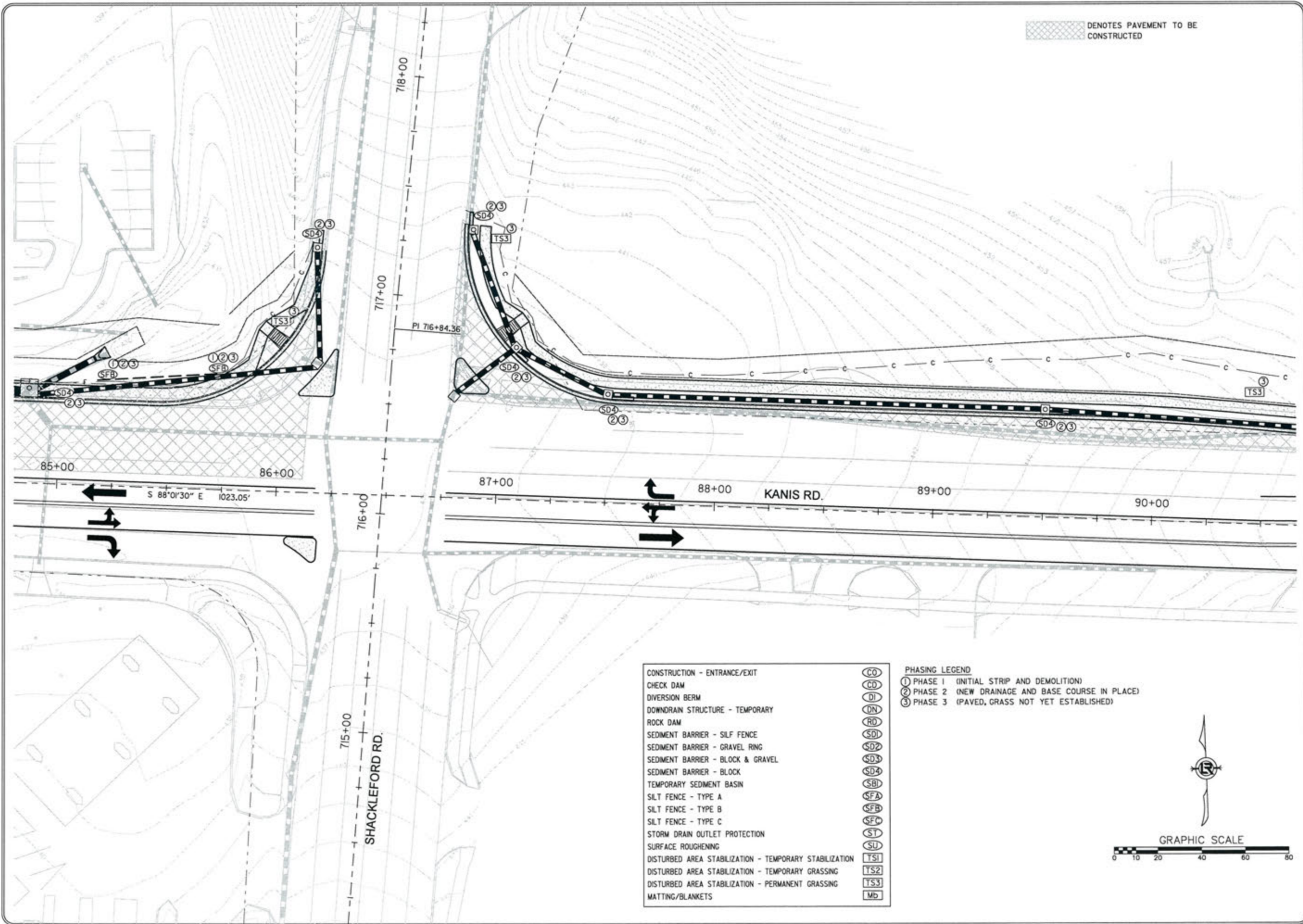
REVISIONS	DATE


CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 14

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 KEVIN G. TOBLESKY

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02 / 24 / 17  
 SCALE 1" = 40'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-23



 DENOTES PAVEMENT TO BE CONSTRUCTED

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 15

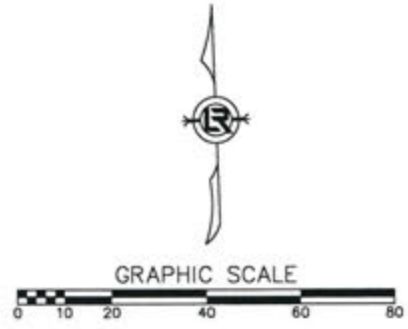
  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

  
 KEVIN G. TOMLIN  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-SD-6A  
 SHEET NO.  
**C-24**

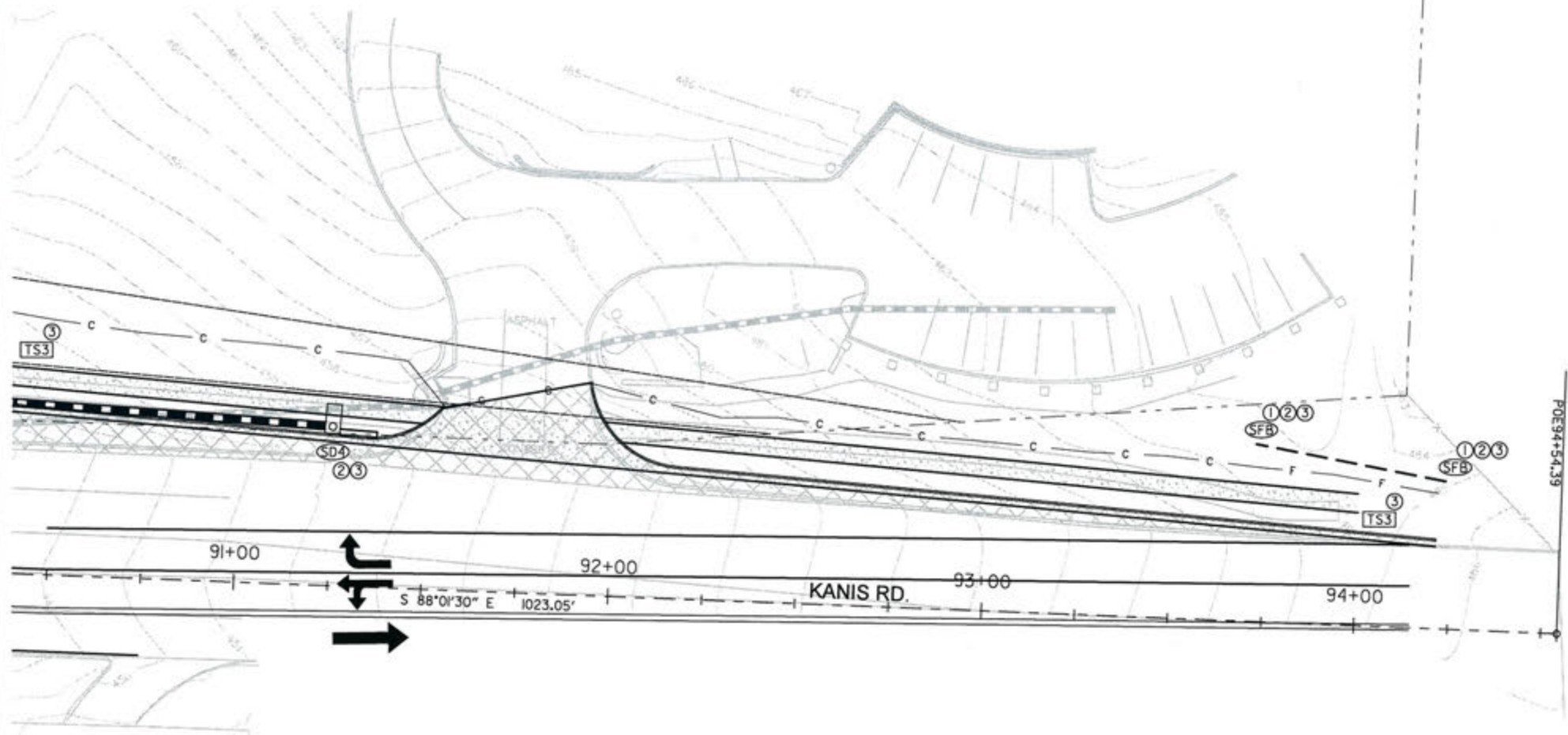
CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILT FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SBI
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATTING/BLANKETS	Mb

**PHASING LEGEND**  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



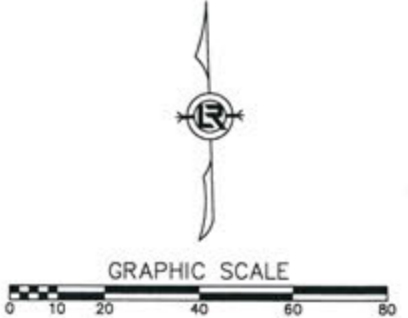


DENOTES PAVEMENT TO BE CONSTRUCTED



CONSTRUCTION - ENTRANCE/EXIT	(CO)
CHECK DAM	(CD)
DIVERSION BERM	(DI)
DOWNDRAIN STRUCTURE - TEMPORARY	(DN)
ROCK DAM	(RD)
SEDIMENT BARRIER - SILT FENCE	(SD)
SEDIMENT BARRIER - GRAVEL RING	(SD2)
SEDIMENT BARRIER - BLOCK & GRAVEL	(SD3)
SEDIMENT BARRIER - BLOCK	(SD4)
TEMPORARY SEDIMENT BASIN	(SB)
SILT FENCE - TYPE A	(SFA)
SILT FENCE - TYPE B	(SFB)
SILT FENCE - TYPE C	(SFC)
STORM DRAIN OUTLET PROTECTION	(ST)
SURFACE ROUGHENING	(SU)
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	(TS1)
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	(TS2)
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	(TS3)
MATTING/BLANKETS	(Mb)

PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



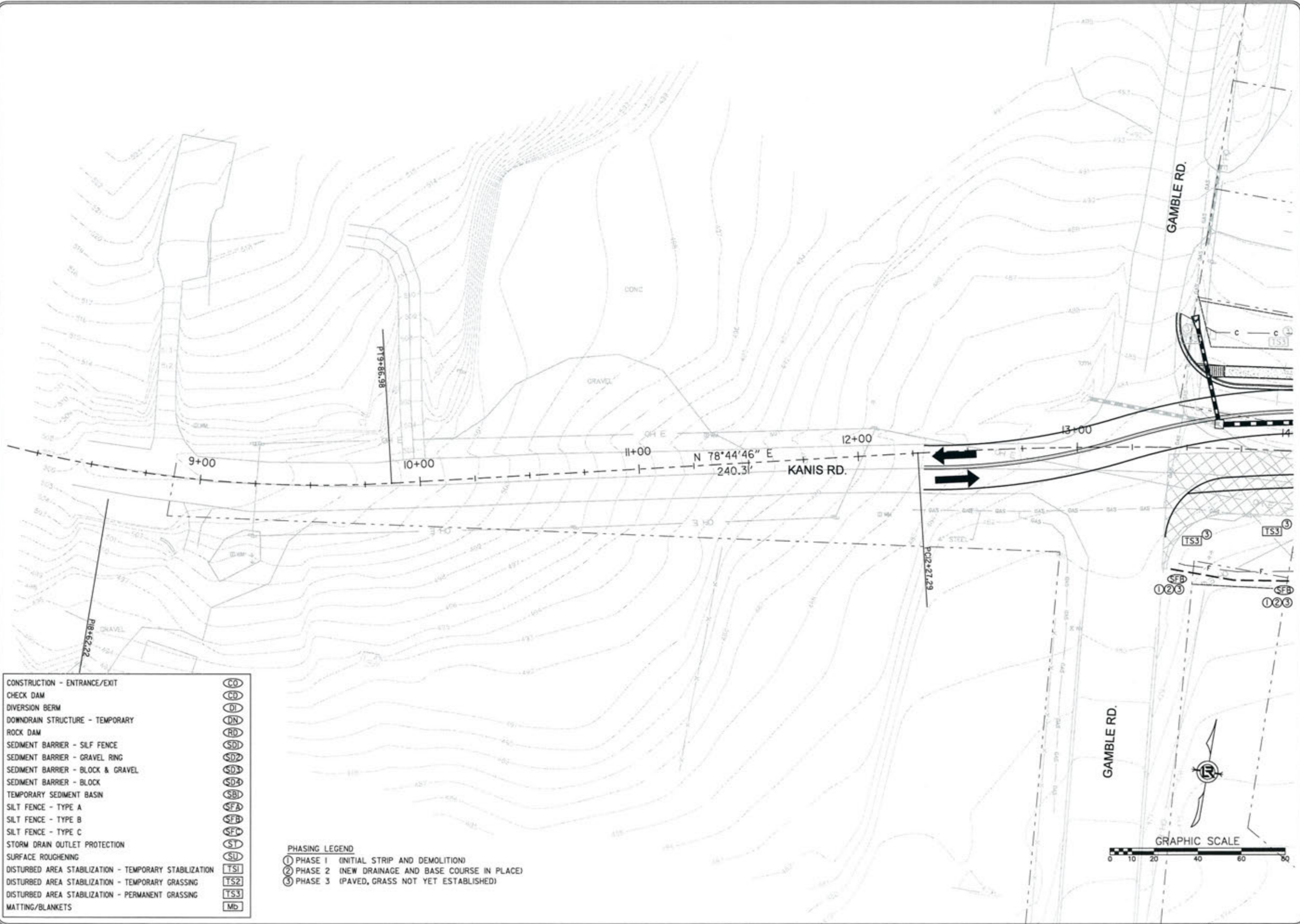
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 1  
 SHEET 16

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 KEVIN G. TOBLESTY

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-25



CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILF FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SBI
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	SI
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATTING/BLANKETS	MB

**PHASING LEGEND**  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



REVISIONS	DATE

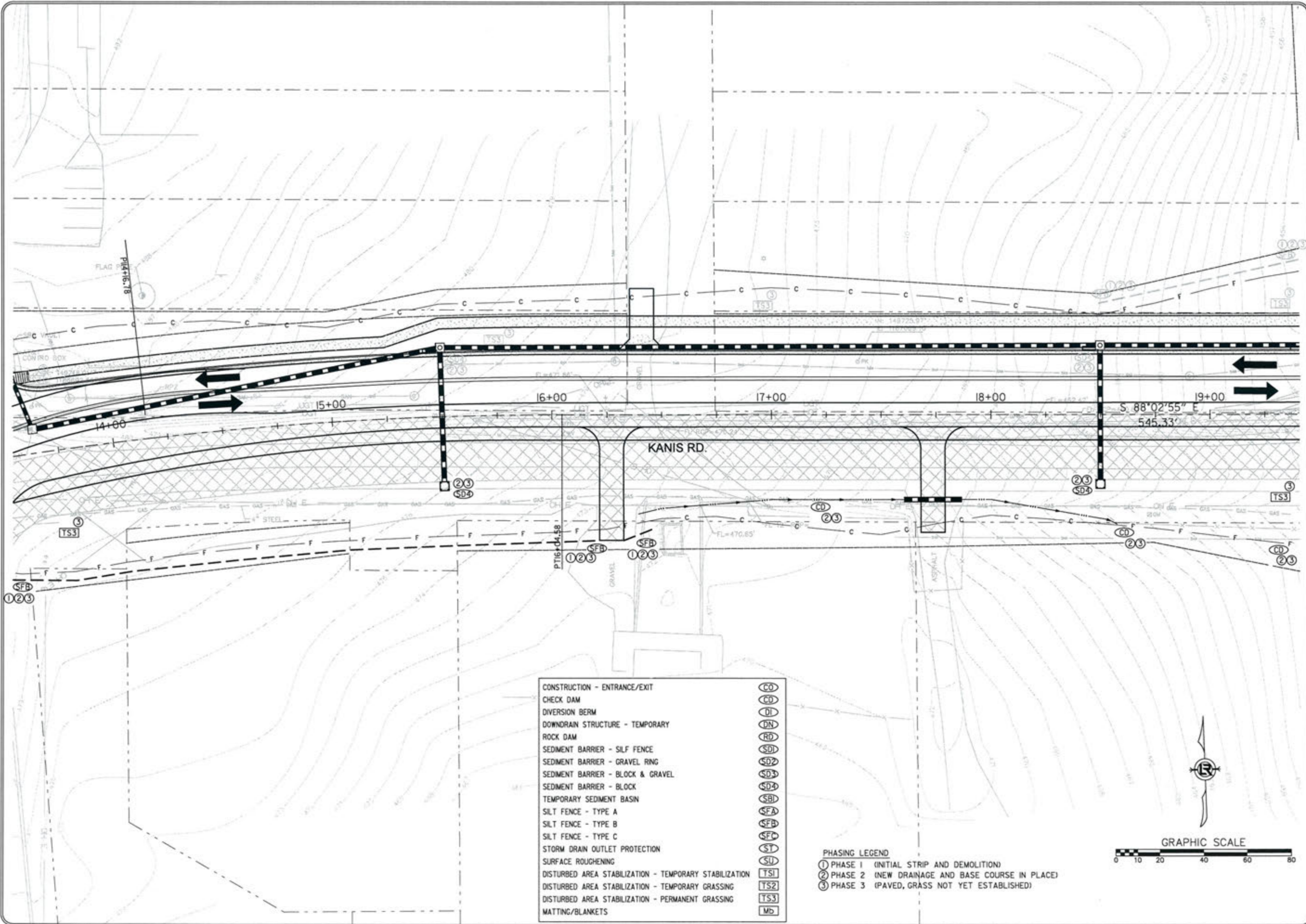
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 17

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 IRVIN G. TOBIASKEY

3-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02/24/17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-26



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 18

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

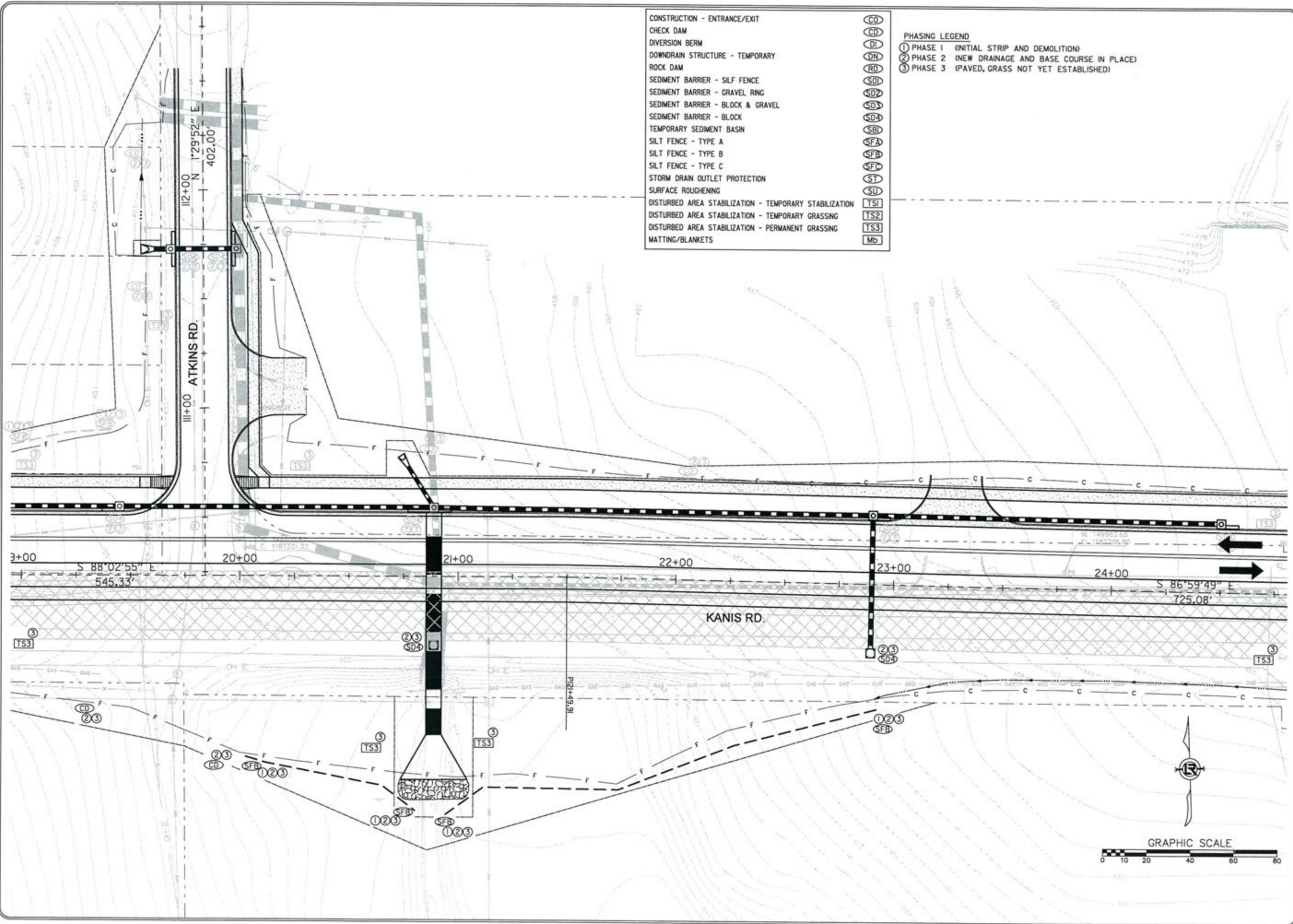
STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 KEVIN G. TOBLESKY

3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-27

- CONSTRUCTION - ENTRANCE/EXIT  
 CHECK DAM  
 DIVERSION BERM  
 DOWNDRAIN STRUCTURE - TEMPORARY  
 ROCK DAM  
 SEDIMENT BARRIER - SILF FENCE  
 SEDIMENT BARRIER - GRAVEL RING  
 SEDIMENT BARRIER - BLOCK & GRAVEL  
 SEDIMENT BARRIER - BLOCK  
 TEMPORARY SEDIMENT BASIN  
 SILT FENCE - TYPE A  
 SILT FENCE - TYPE B  
 SILT FENCE - TYPE C  
 STORM DRAIN OUTLET PROTECTION  
 SURFACE ROUGHENING  
 DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION  
 DISTURBED AREA STABILIZATION - TEMPORARY GRASSING  
 DISTURBED AREA STABILIZATION - PERMANENT GRASSING  
 MATTING/BLANKETS

- PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

- CO
- CD
- DI
- DN
- RD
- SD
- SD2
- SD3
- SD4
- SB
- SFA
- SFB
- SFC
- ST
- SU
- TS1
- TS2
- TS3
- Mb



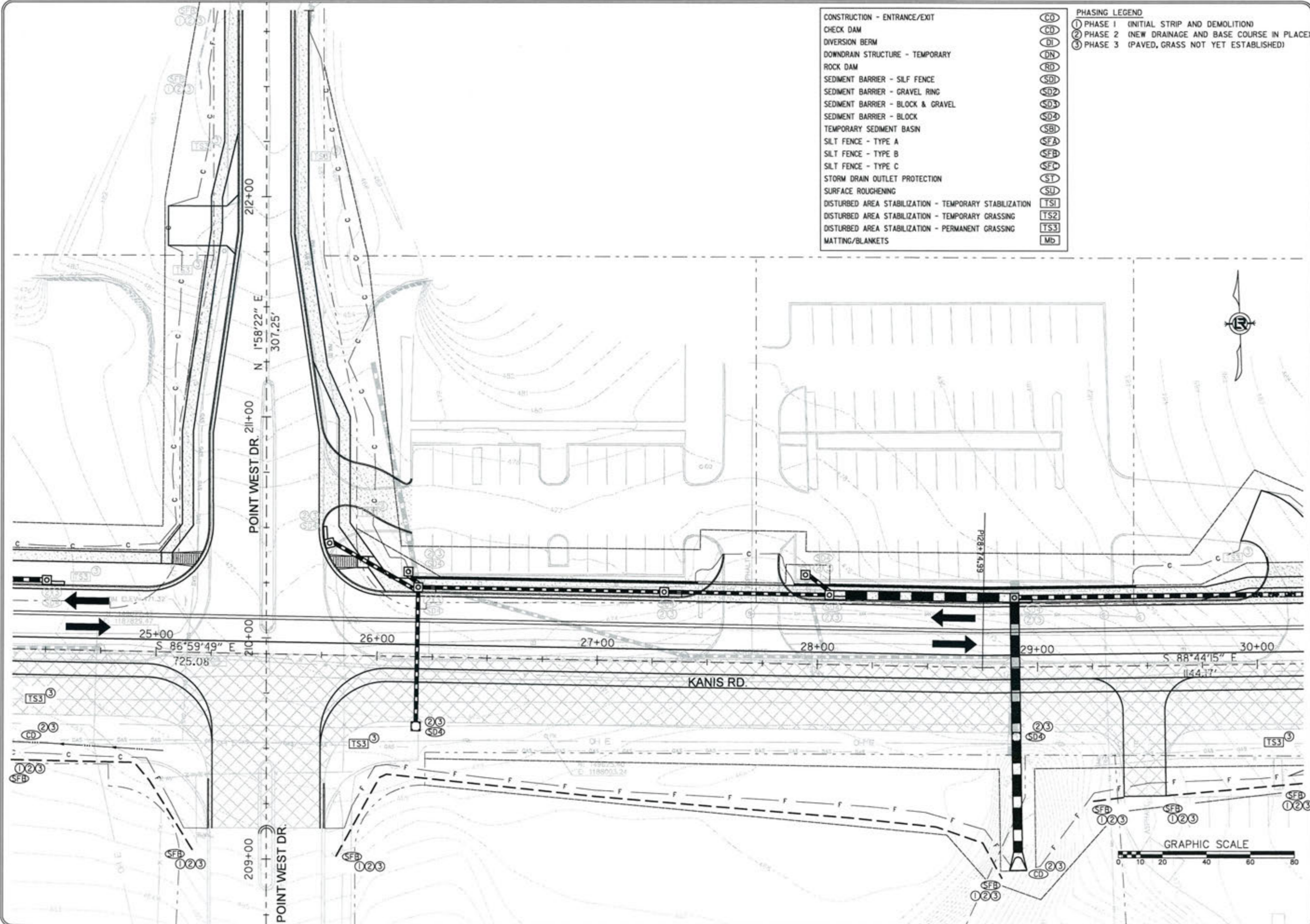
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 19

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLESEY

3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-28



- CONSTRUCTION - ENTRANCE/EXIT  
 CHECK DAM  
 DIVERSION BERM  
 DOWNDRAIN STRUCTURE - TEMPORARY  
 ROCK DAM  
 SEDIMENT BARRIER - SILT FENCE  
 SEDIMENT BARRIER - GRAVEL RING  
 SEDIMENT BARRIER - BLOCK & GRAVEL  
 SEDIMENT BARRIER - BLOCK  
 TEMPORARY SEDIMENT BASIN  
 SILT FENCE - TYPE A  
 SILT FENCE - TYPE B  
 SILT FENCE - TYPE C  
 STORM DRAIN OUTLET PROTECTION  
 SURFACE ROUGHENING  
 DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION  
 DISTURBED AREA STABILIZATION - TEMPORARY GRASSING  
 DISTURBED AREA STABILIZATION - PERMANENT GRASSING  
 MATTING/BLANKETS

- PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

- CO
- CD
- DI
- DN
- RD
- SD
- SD2
- SD3
- SD4
- SBI
- SFA
- SFB
- SFC
- ST
- SU
- TS1
- TS2
- TS3
- Mb

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 20

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBIAS

3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-29

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 21

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

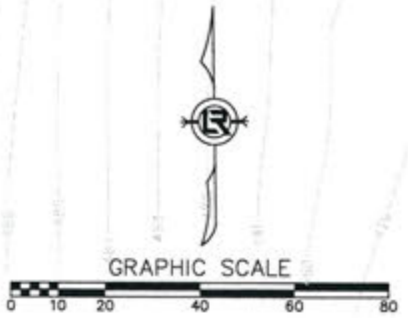
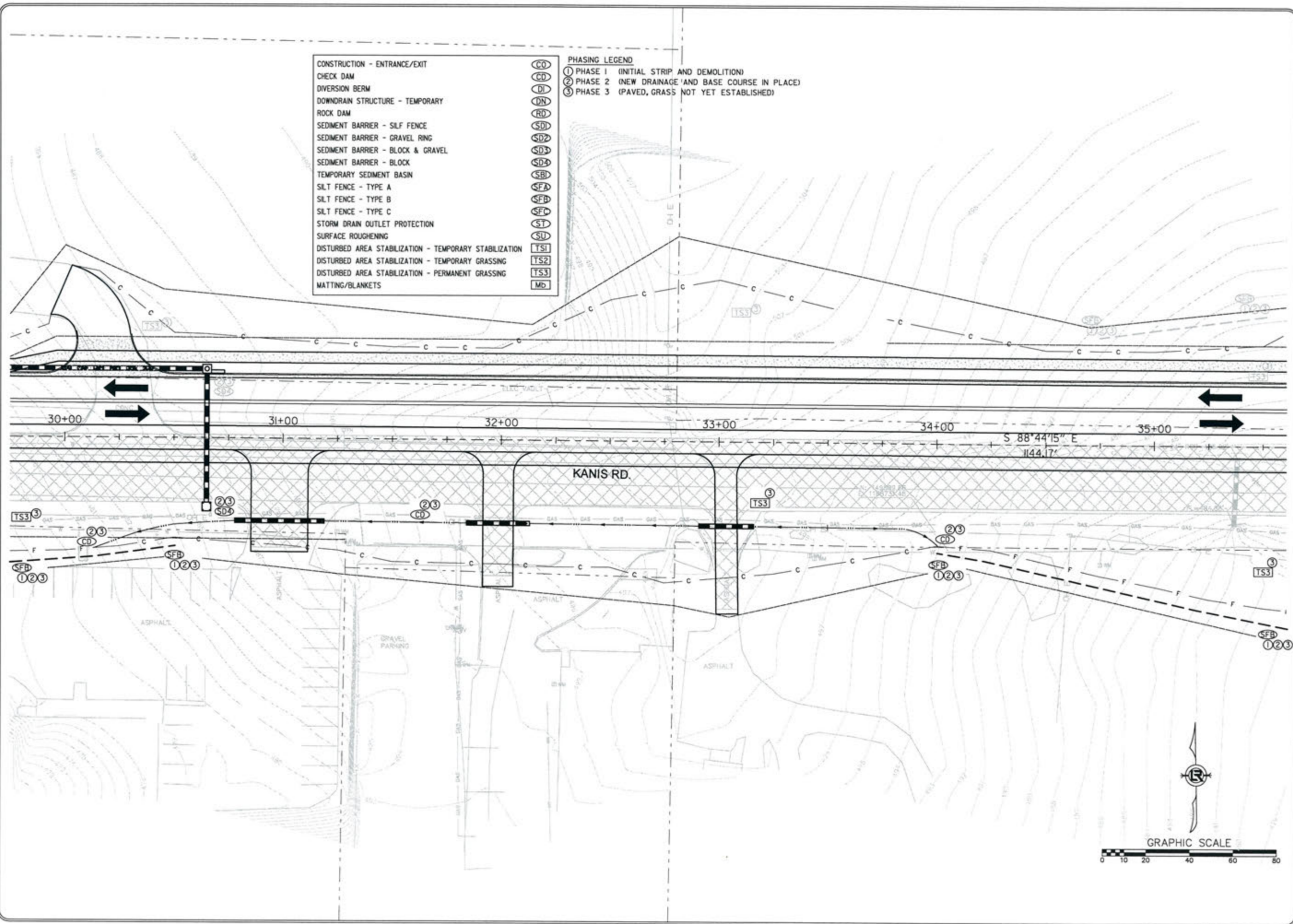
STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLESTY

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 40'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-30

- CONSTRUCTION - ENTRANCE/EXIT  
 CHECK DAM  
 DIVERSION BERM  
 DOWNDRAIN STRUCTURE - TEMPORARY  
 ROCK DAM  
 SEDIMENT BARRIER - SILT FENCE  
 SEDIMENT BARRIER - GRAVEL RING  
 SEDIMENT BARRIER - BLOCK & GRAVEL  
 SEDIMENT BARRIER - BLOCK  
 TEMPORARY SEDIMENT BASIN  
 SILT FENCE - TYPE A  
 SILT FENCE - TYPE B  
 SILT FENCE - TYPE C  
 STORM DRAIN OUTLET PROTECTION  
 SURFACE ROUGHENING  
 DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION  
 DISTURBED AREA STABILIZATION - TEMPORARY GRASSING  
 DISTURBED AREA STABILIZATION - PERMANENT GRASSING  
 MATTING/BLANKETS

- PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

- CO
- CD
- DI
- DN
- RD
- SD1
- SD2
- SD3
- SD4
- SFB
- SFA
- SFB
- SFC
- ST
- SD
- TSS1
- TSS2
- TSS3
- MD



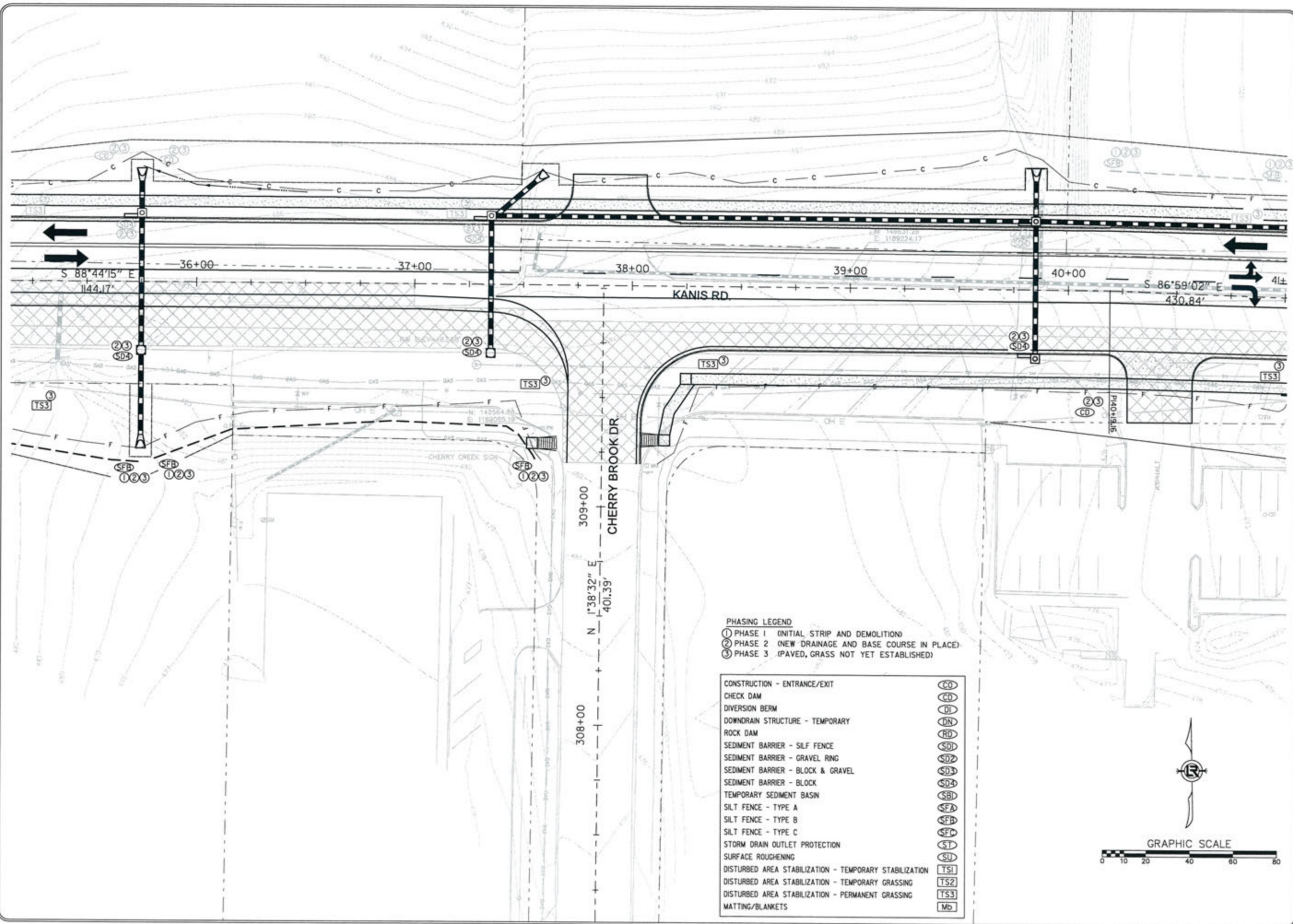
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 22

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

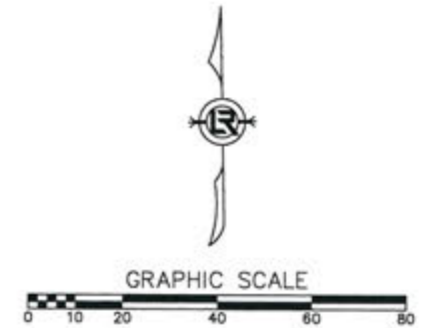


3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-31



- PHASING LEGEND
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILT FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SBI
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATTING/BLANKETS	MB



CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILF FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SBI
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATTING/BLANKETS	Mb

PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



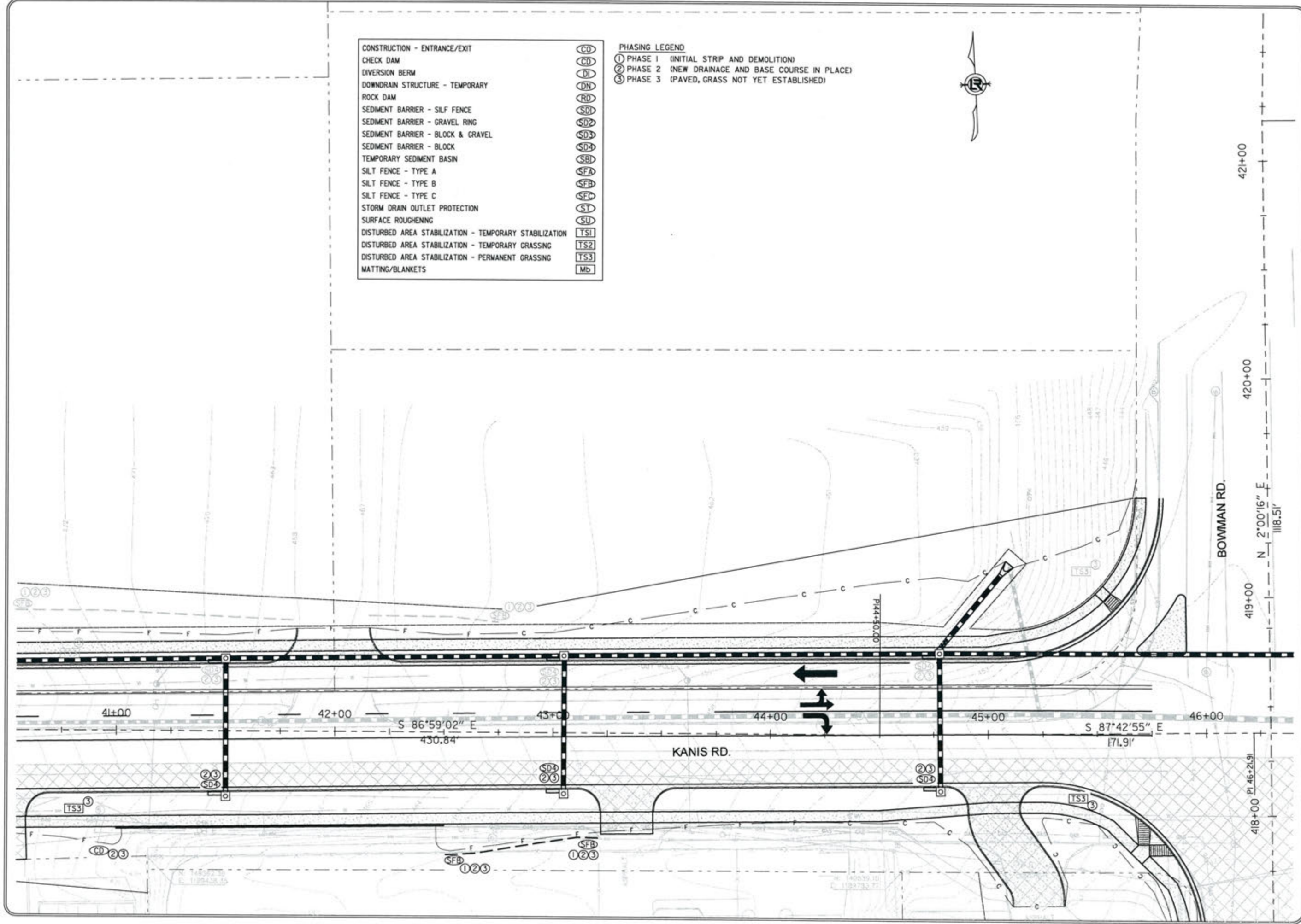
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 23

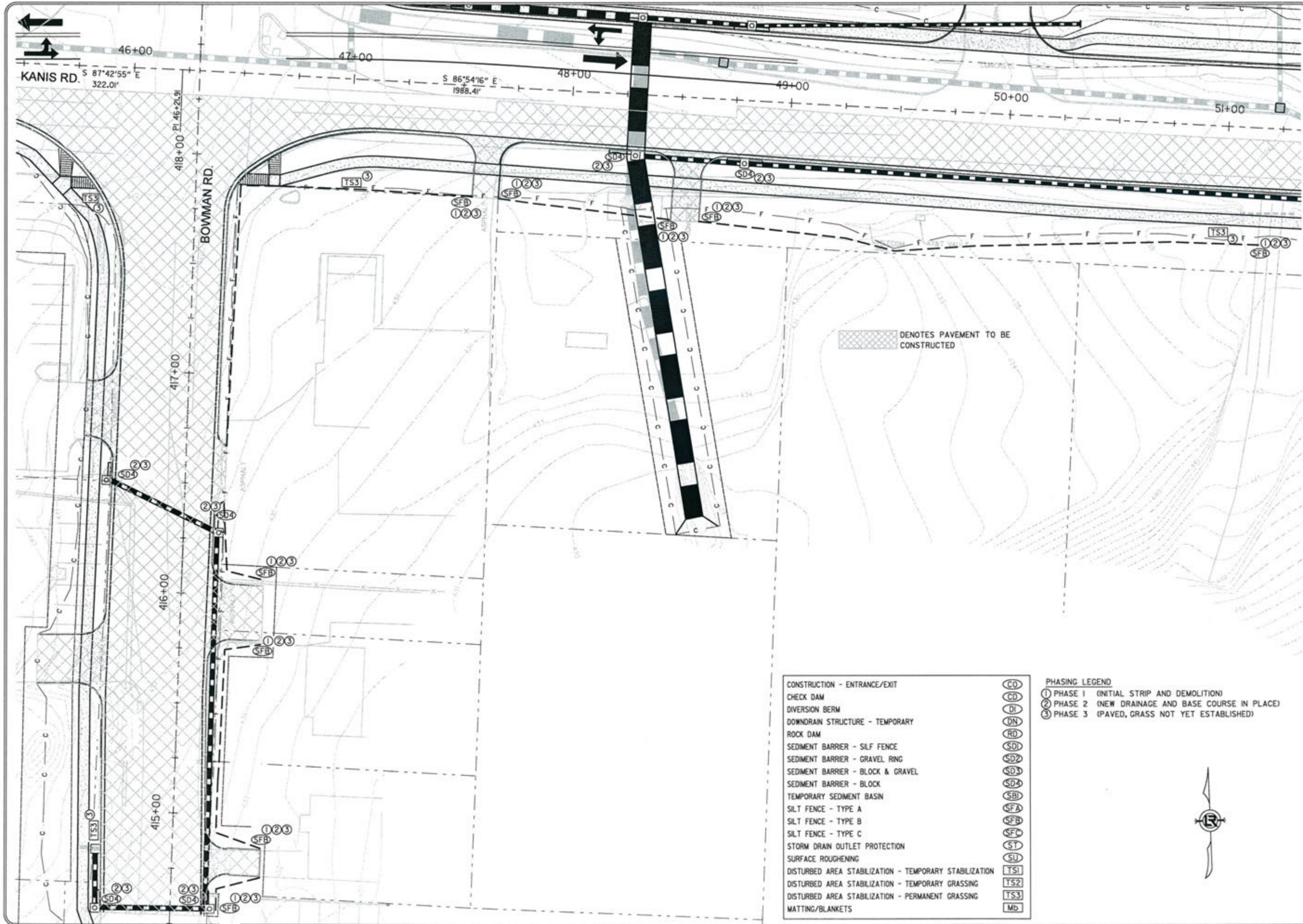
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBIASSETT

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 40'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-32







REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 24

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201


STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TORLESKY




3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-33

- |  |       |
|--|-------|
| CONSTRUCTION - ENTRANCE/EXIT                           | (CO)  |
| CHECK DAM  | (CD)  |
| DIVERSION BERM   | (DI)  |
| DOWNDRAIN STRUCTURE - TEMPORARY                        | (DN)  |
| ROCK DAM   | (RD)  |
| SEDIMENT BARRIER - SILF FENCE                          | (SD)  |
| SEDIMENT BARRIER - GRAVEL RING                         | (SD2) |
| SEDIMENT BARRIER - BLOCK & GRAVEL                      | (SD3) |
| SEDIMENT BARRIER - BLOCK                               | (SD4) |
| TEMPORARY SEDIMENT BASIN                               | (SB)  |
| SILT FENCE - TYPE A                                    | (SFA) |
| SILT FENCE - TYPE B                                    | (SFB) |
| SILT FENCE - TYPE C                                    | (SFC) |
| STORM DRAIN OUTLET PROTECTION                          | (ST)  |
| SURFACE ROUGHENING                                     | (SU)  |
| DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION | (TS1) |
| DISTURBED AREA STABILIZATION - TEMPORARY GRASSING      | (TS2) |
| DISTURBED AREA STABILIZATION - PERMANENT GRASSING      | (TS3) |
| MATTING/BLANKETS                                       | (MD)  |

PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



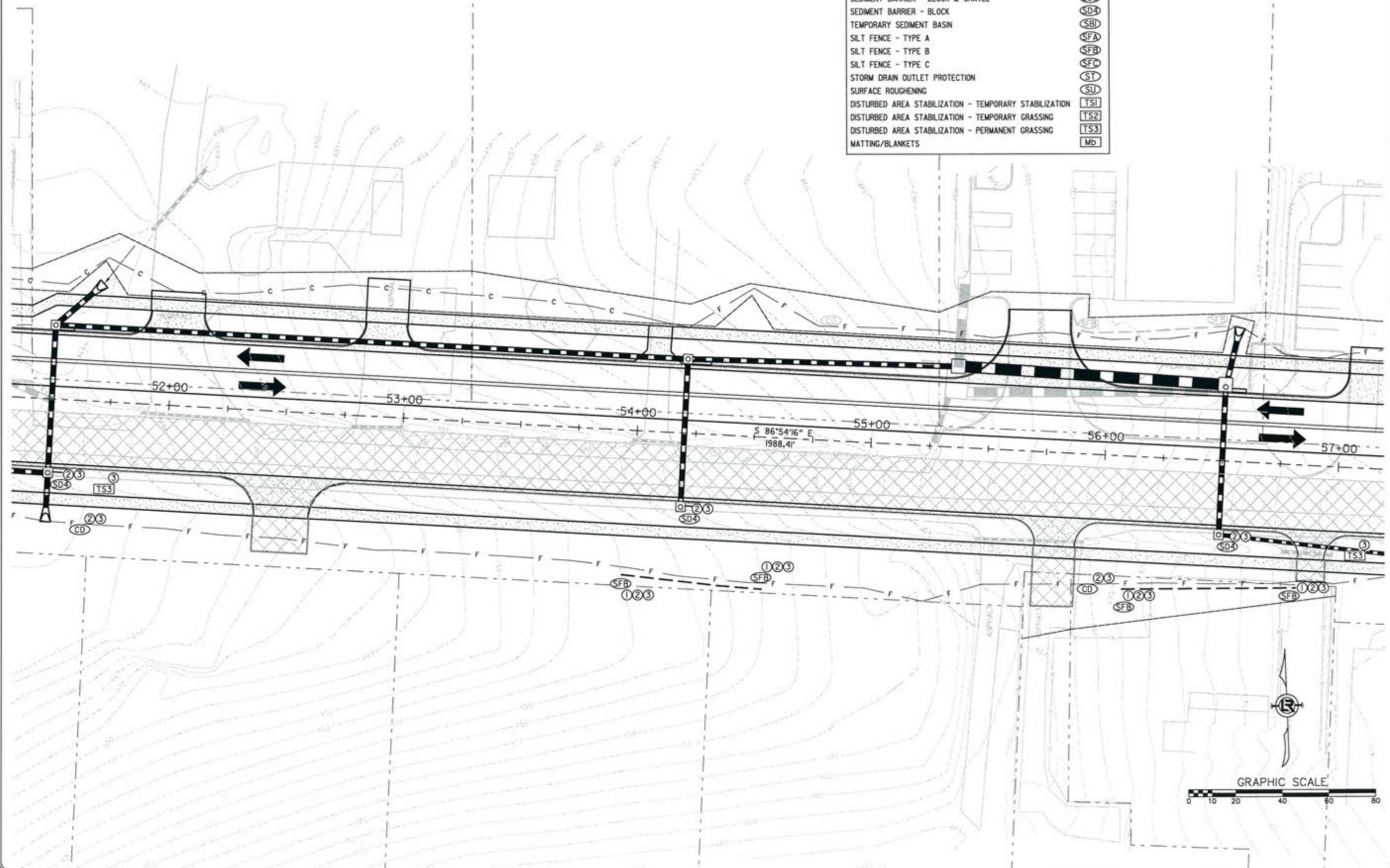
 DENOTES PAVEMENT TO BE CONSTRUCTED

- CONSTRUCTION - ENTRANCE/EXIT 
- CHECK DAM 
- DIVERSION BERM 
- DOWNDRAIN STRUCTURE - TEMPORARY 
- ROCK DAM 
- SEDIMENT BARRIER - SILT FENCE 
- SEDIMENT BARRIER - GRAVEL RING 
- SEDIMENT BARRIER - BLOCK & GRAVEL 
- SEDIMENT BARRIER - BLOCK 
- TEMPORARY SEDIMENT BASIN 
- SILT FENCE - TYPE A 
- SILT FENCE - TYPE B 
- SILT FENCE - TYPE C 
- STORM DRAIN OUTLET PROTECTION 
- SURFACE ROUGHENING 
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION 
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING 
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING 
- MATTING/BLANKETS 

- PHASING LEGEND
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

REVISIONS	DATE

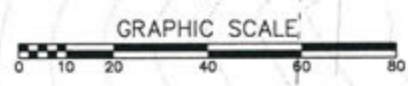
CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
TEMPORARY EROSION CONTROL PLAN  
KANIS ROAD  
GAMBLE TO SHACKLEFORD - STAGE 2  
SHEET 25



DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
ERVIN G. TORLBEK  
3-15-17

DRAWN BY  
RFR  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02 / 24 / 17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-34



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 26

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 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

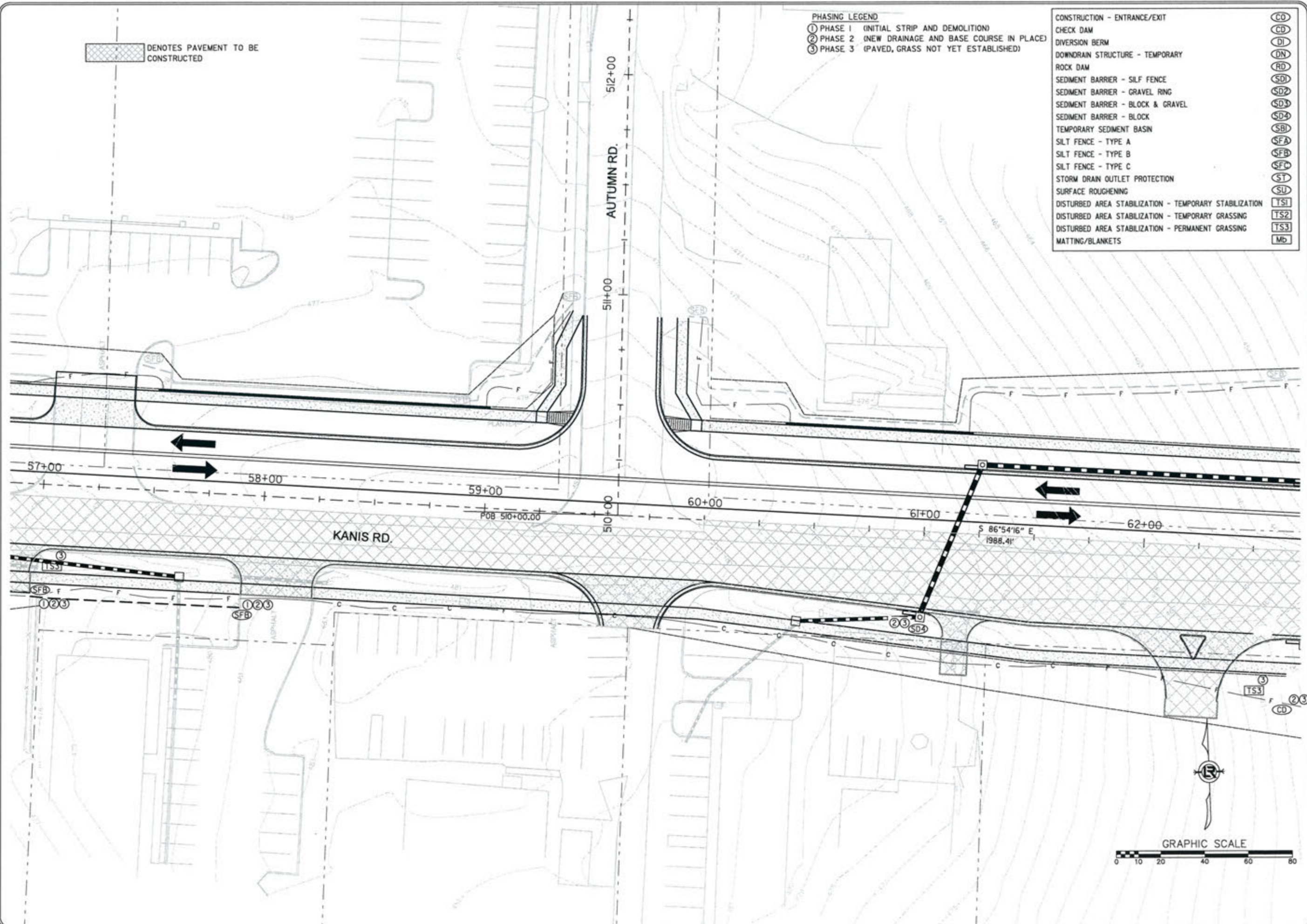
STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBIAS  
 3-15-17

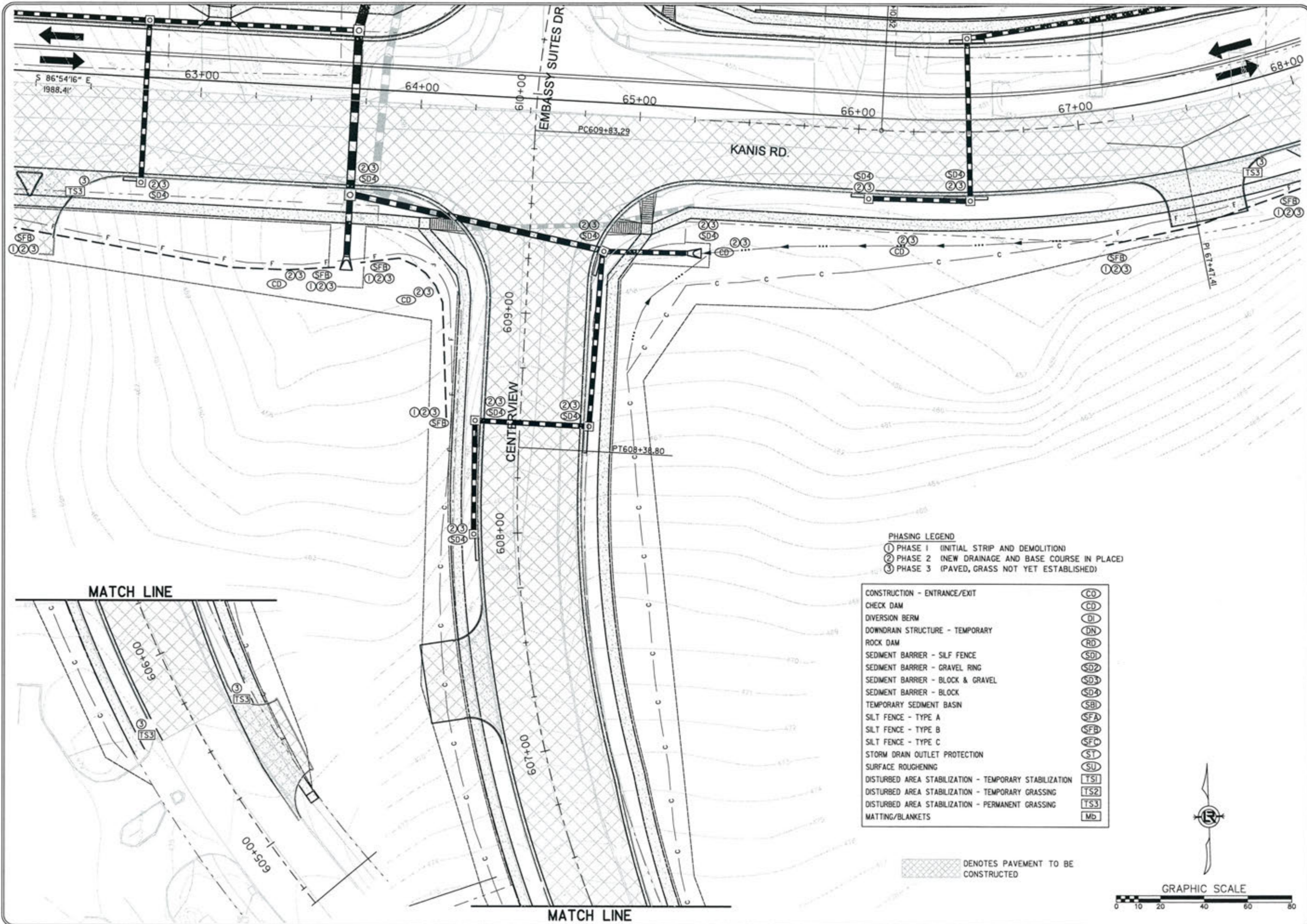
DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C - 35

- CONSTRUCTION - ENTRANCE/EXIT  
 CHECK DAM (CD)  
 DIVERSION BERM (DB)  
 DOWNRAIN STRUCTURE - TEMPORARY (DN)  
 ROCK DAM (RD)  
 SEDIMENT BARRIER - SILT FENCE (SD)  
 SEDIMENT BARRIER - GRAVEL RING (SD2)  
 SEDIMENT BARRIER - BLOCK & GRAVEL (SD3)  
 SEDIMENT BARRIER - BLOCK (SD4)  
 TEMPORARY SEDIMENT BASIN (SBI)  
 SILT FENCE - TYPE A (SFA)  
 SILT FENCE - TYPE B (SFB)  
 SILT FENCE - TYPE C (SFC)  
 STORM DRAIN OUTLET PROTECTION (SU)  
 SURFACE ROUGHENING (TS1)  
 DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS2)  
 DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS3)  
 DISTURBED AREA STABILIZATION - PERMANENT GRASSING (Mb)

- PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

DENOTES PAVEMENT TO BE CONSTRUCTED

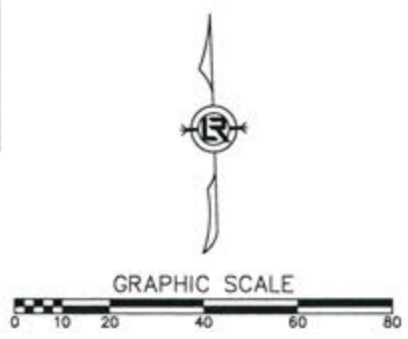




- PHASING LEGEND**
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILF FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SBI
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATTING/BLANKETS	Mb

DENOTES PAVEMENT TO BE CONSTRUCTED



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 27

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLIN

3-15-17

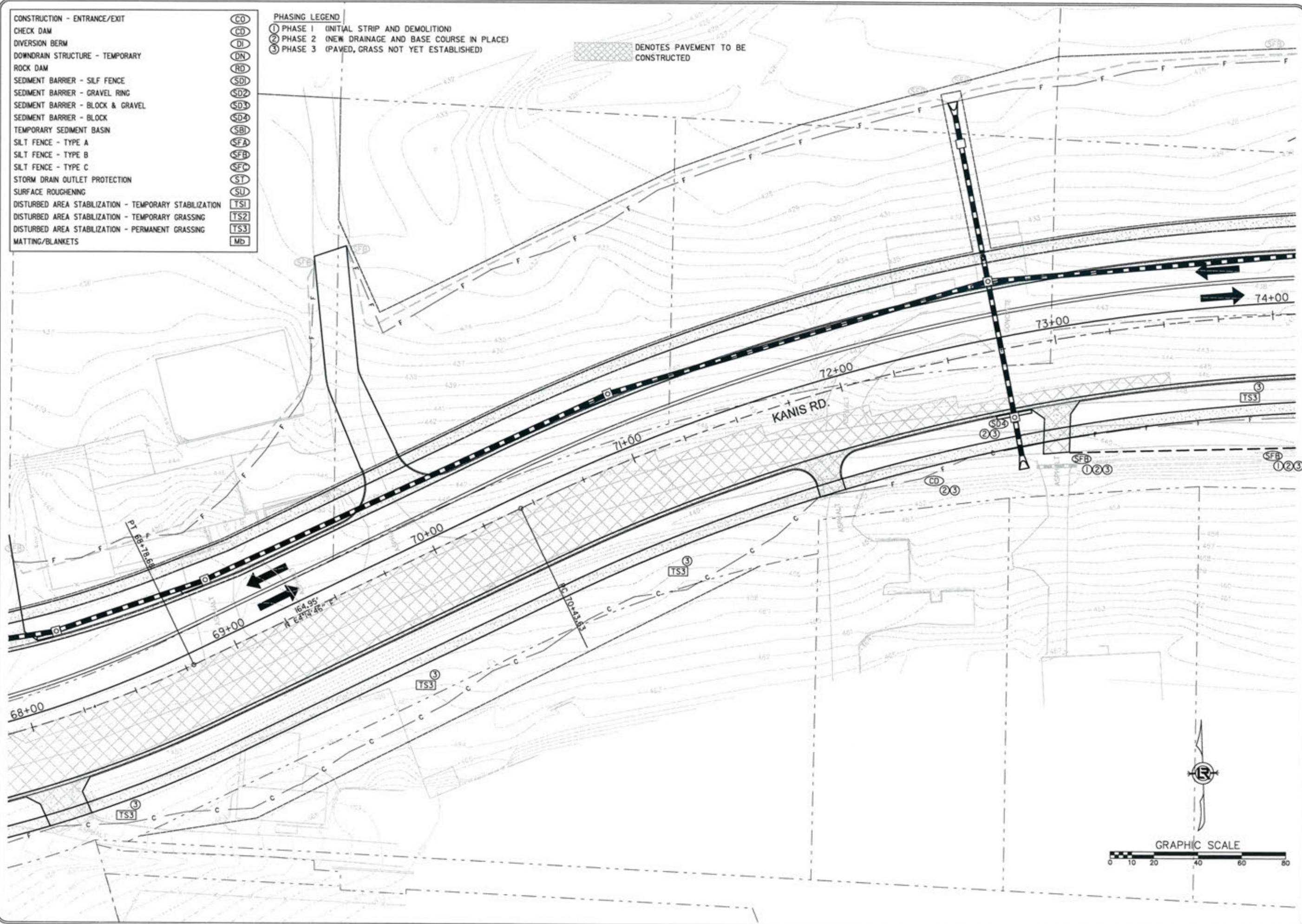
DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C - 36

- CONSTRUCTION - ENTRANCE/EXIT
- CHECK DAM
- DIVERSION BERM
- DOWNDRAIN STRUCTURE - TEMPORARY
- ROCK DAM
- SEDIMENT BARRIER - SILT FENCE
- SEDIMENT BARRIER - GRAVEL RING
- SEDIMENT BARRIER - BLOCK & GRAVEL
- SEDIMENT BARRIER - BLOCK
- TEMPORARY SEDIMENT BASIN
- SILT FENCE - TYPE A
- SILT FENCE - TYPE B
- SILT FENCE - TYPE C
- STORM DRAIN OUTLET PROTECTION
- SURFACE ROUGHENING
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING
- MATTING/BLANKETS

- (CD)
- (CD)
- (DI)
- (DN)
- (RD)
- (SD1)
- (SD2)
- (SD3)
- (SD4)
- (SBI)
- (SFA)
- (SFB)
- (SFC)
- (ST)
- (SU)
- (TS1)
- (TS2)
- (TS3)
- (MD)

- PHASING LEGEND**
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

DENOTES PAVEMENT TO BE CONSTRUCTED



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 28

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBIAS

9-16-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-37

DENOTES PAVEMENT TO BE CONSTRUCTED

- PHASING LEGEND**
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

- |  |     |
|--|-----|
| CONSTRUCTION - ENTRANCE/EXIT                           | CO  |
| CHECK DAM  | CD  |
| DIVERSION BERM   | DI  |
| DOWNDRAIN STRUCTURE - TEMPORARY                        | DN  |
| ROCK DAM   | RD  |
| SEDIMENT BARRIER - SILF FENCE                          | SD1 |
| SEDIMENT BARRIER - GRAVEL RING                         | SD2 |
| SEDIMENT BARRIER - BLOCK & GRAVEL                      | SD3 |
| SEDIMENT BARRIER - BLOCK                               | SD4 |
| TEMPORARY SEDIMENT BASIN                               | SBI |
| SILT FENCE - TYPE A                                    | SFA |
| SILT FENCE - TYPE B                                    | SFB |
| SILT FENCE - TYPE C                                    | SFC |
| STORM DRAIN OUTLET PROTECTION                          | ST  |
| SURFACE ROUGHENING                                     | SU  |
| DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION | TS1 |
| DISTURBED AREA STABILIZATION - TEMPORARY GRASSING      | TS2 |
| DISTURBED AREA STABILIZATION - PERMANENT GRASSING      | TS3 |
| MATTING/BLANKETS                                       | MB  |

REVISIONS	DATE

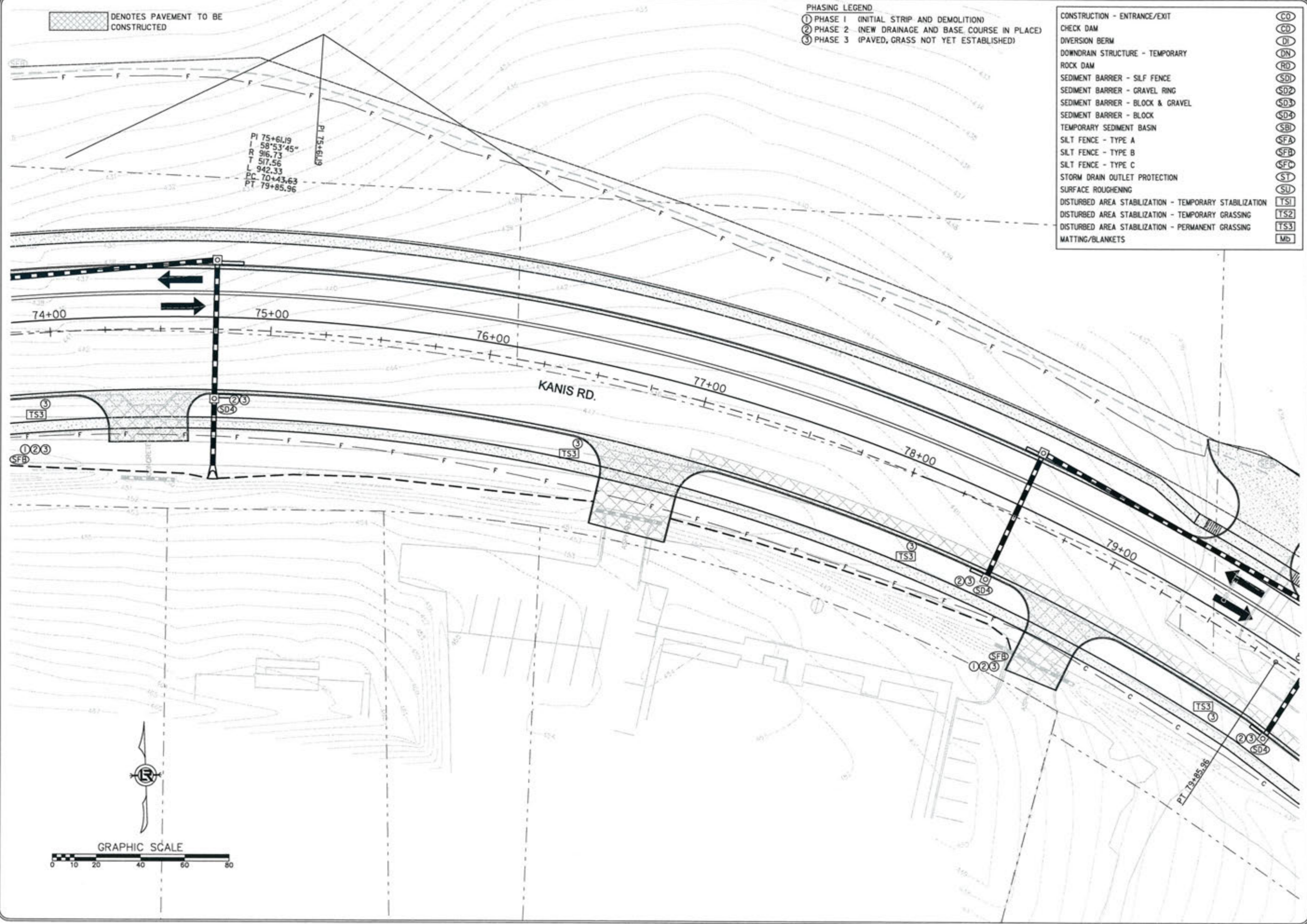
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 29

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 CIVIL ENGINEERING  
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STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLEBY

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-38



 DENOTES PAVEMENT TO BE CONSTRUCTED

- CONSTRUCTION - ENTRANCE/EXIT
- CHECK DAM
- DIVERSION BERM
- DOWNDRAIN STRUCTURE - TEMPORARY
- ROCK DAM
- SEDIMENT BARRIER - SILT FENCE
- SEDIMENT BARRIER - GRAVEL RING
- SEDIMENT BARRIER - BLOCK & GRAVEL
- SEDIMENT BARRIER - BLOCK
- TEMPORARY SEDIMENT BASIN
- SILT FENCE - TYPE A
- SILT FENCE - TYPE B
- SILT FENCE - TYPE C
- STORM DRAIN OUTLET PROTECTION
- SURFACE ROUGHENING
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING
- MATTING/BLANKETS

- CO
- CD
- DI
- DN
- RD
- SD1
- SD2
- SD3
- SD4
- SBI
- SFA
- SFB
- SFC
- ST
- SU
- TS1
- TS2
- TS3
- Mb

- PHASING LEGEND
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
  - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
  - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

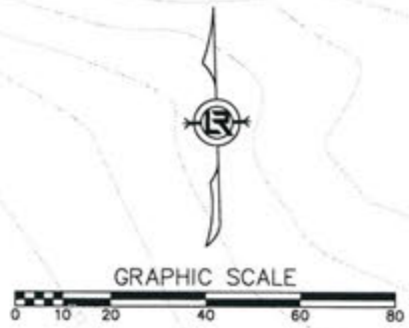
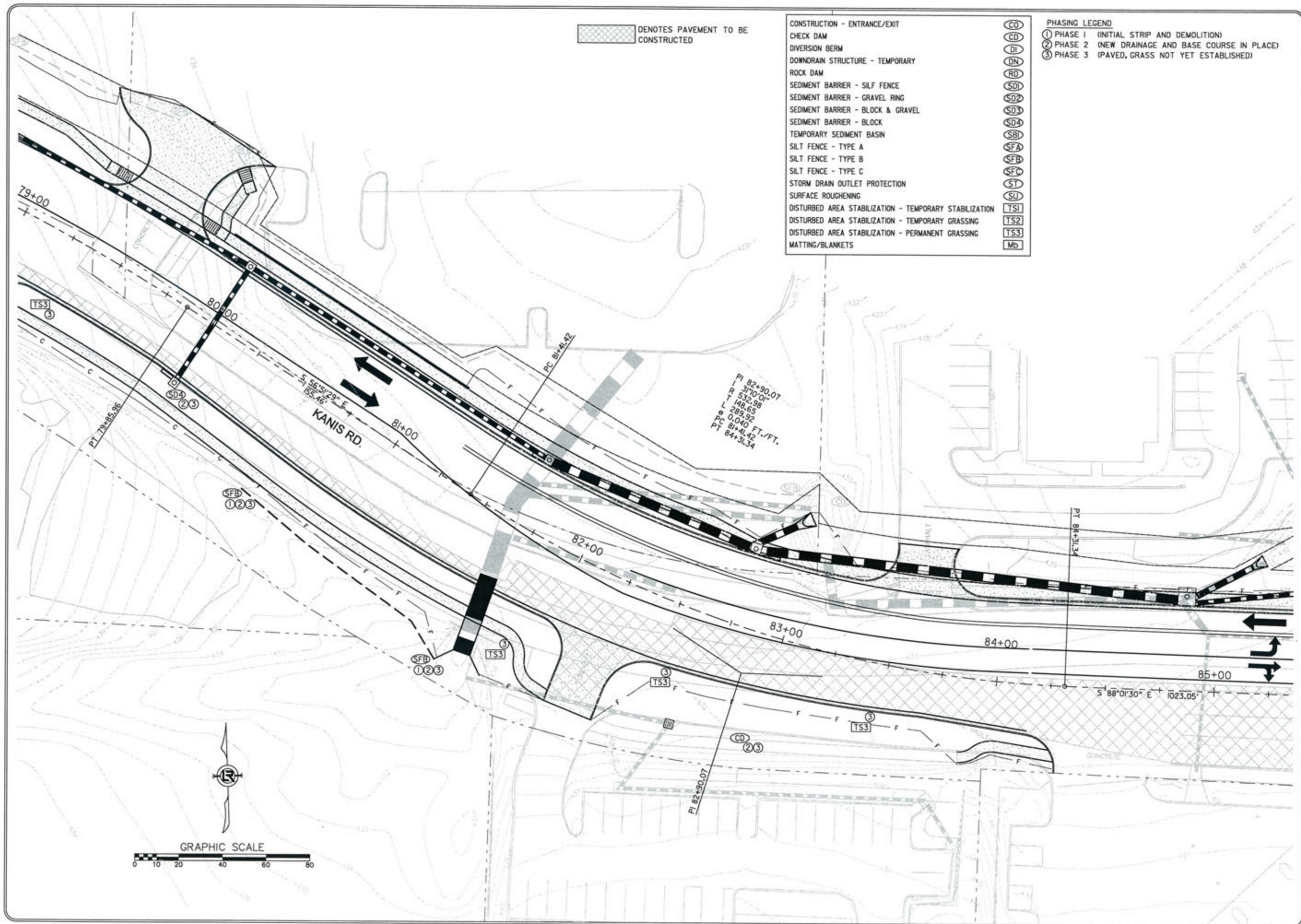
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 30

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

  
 STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBIAS

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-39**



REVISIONS	DATE

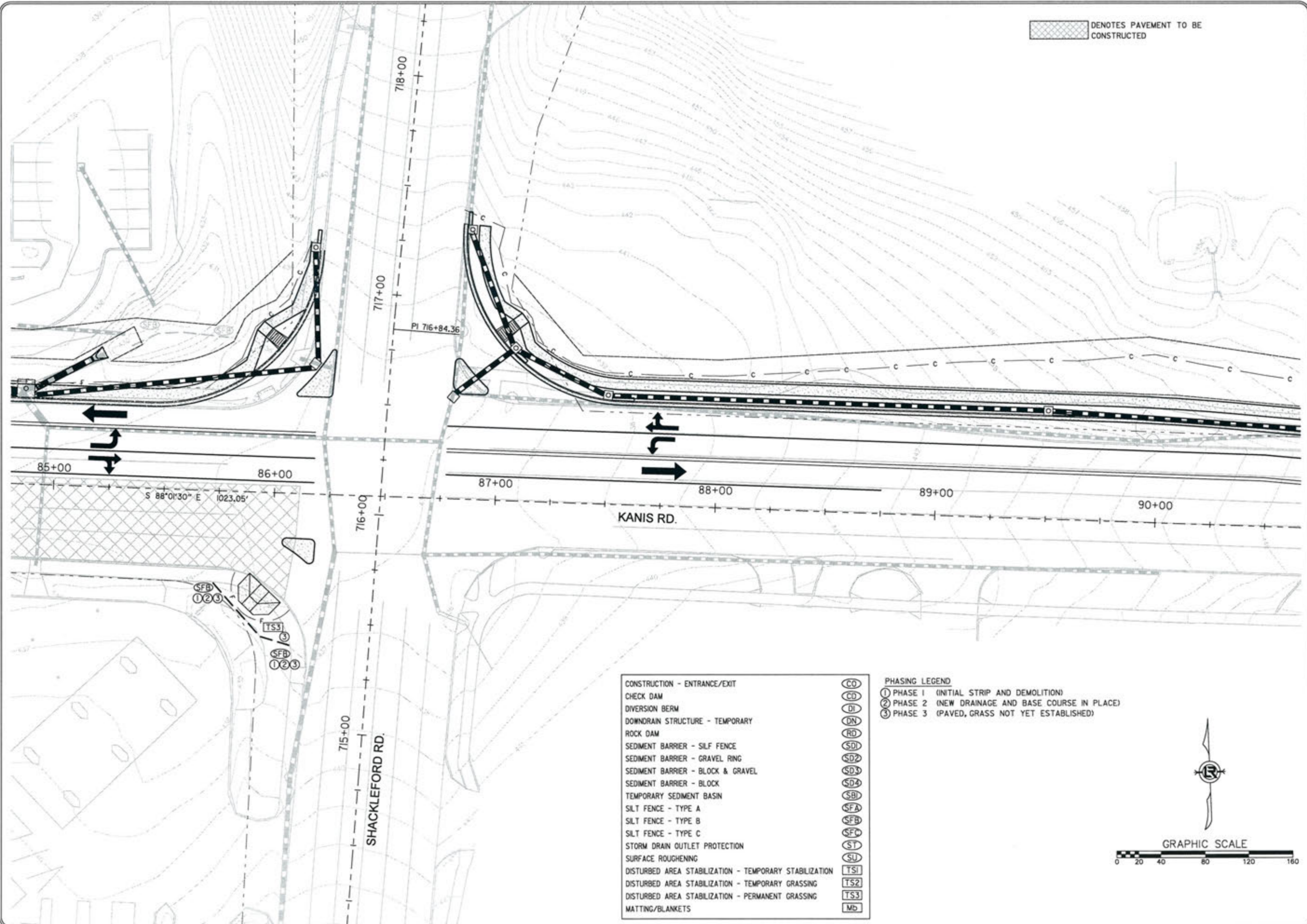
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 TEMPORARY EROSION CONTROL PLAN  
 KANIS ROAD  
 GAMBLE TO SHACKLEFORD - STAGE 2  
 SHEET 31

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBIASKE  
 3-15-17

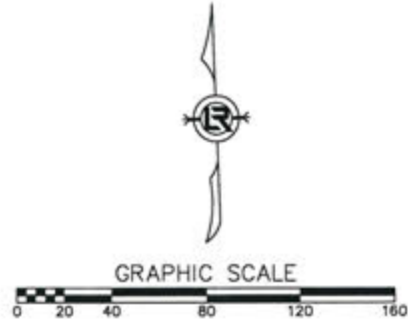
DRAWN BY  
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 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-SD-6A  
 SHEET NO.  
 C - 40

 DENOTES PAVEMENT TO BE CONSTRUCTED



CONSTRUCTION - ENTRANCE/EXIT	CO
CHECK DAM	CD
DIVERSION BERM	DI
DOWNDRAIN STRUCTURE - TEMPORARY	DN
ROCK DAM	RD
SEDIMENT BARRIER - SILF FENCE	SD1
SEDIMENT BARRIER - GRAVEL RING	SD2
SEDIMENT BARRIER - BLOCK & GRAVEL	SD3
SEDIMENT BARRIER - BLOCK	SD4
TEMPORARY SEDIMENT BASIN	SB
SILT FENCE - TYPE A	SFA
SILT FENCE - TYPE B	SFB
SILT FENCE - TYPE C	SFC
STORM DRAIN OUTLET PROTECTION	ST
SURFACE ROUGHENING	SU
DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION	TS1
DISTURBED AREA STABILIZATION - TEMPORARY GRASSING	TS2
DISTURBED AREA STABILIZATION - PERMANENT GRASSING	TS3
MATTING/BLANKETS	Mb

PHASING LEGEND  
 ① PHASE 1 (INITIAL STRIP AND DEMOLITION)  
 ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)  
 ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)






CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD

MAINTENANCE OF TRAFFIC  
ADVANCE WARNING SIGNS



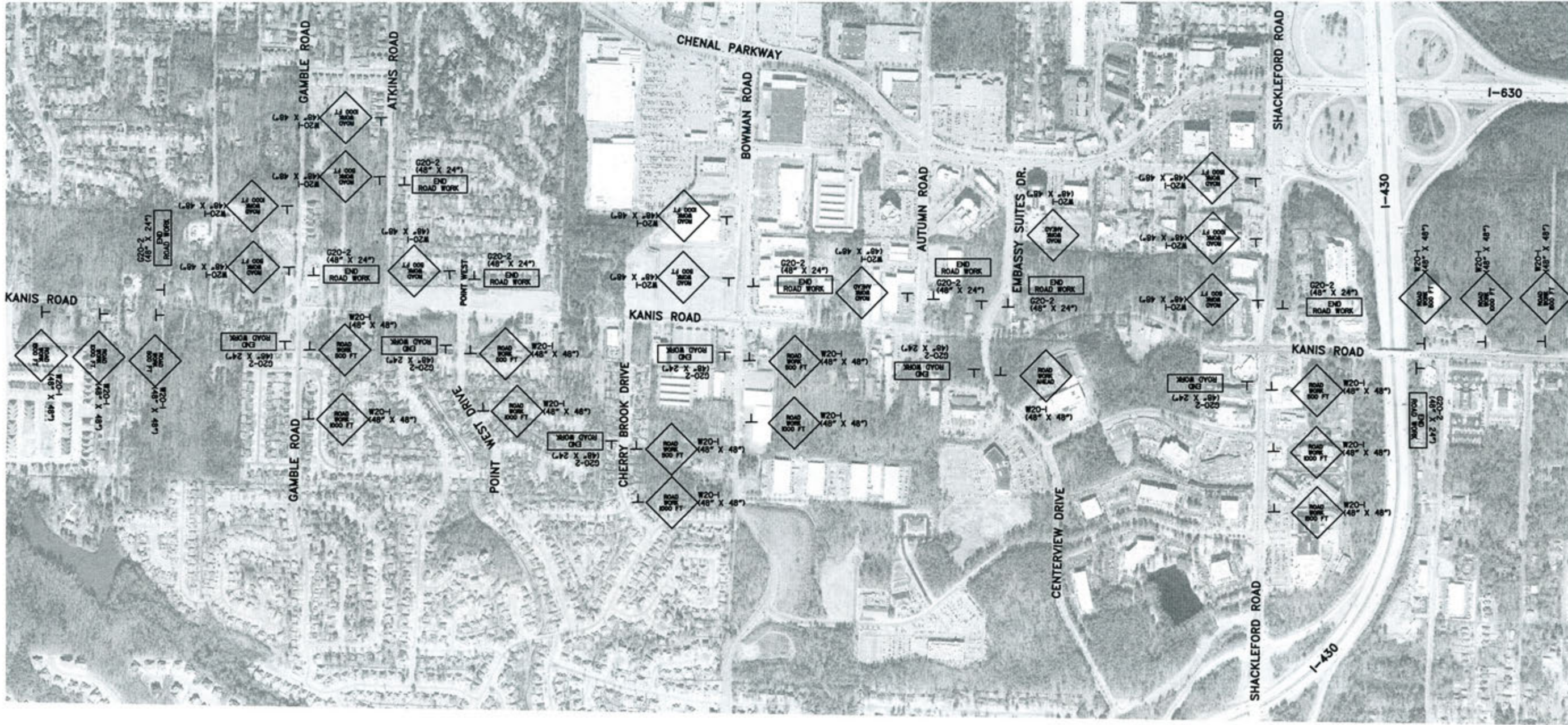
DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201




STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBLESKY


3-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	NTS
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-41



NOTE: LOCATIONS OF ALL ADVANCE SIGNS  
ALONG SIDE ROADS SHALL BE PLACED AT  
A MINIMUM OF 500 FT.

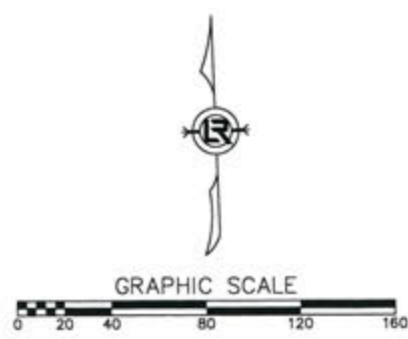
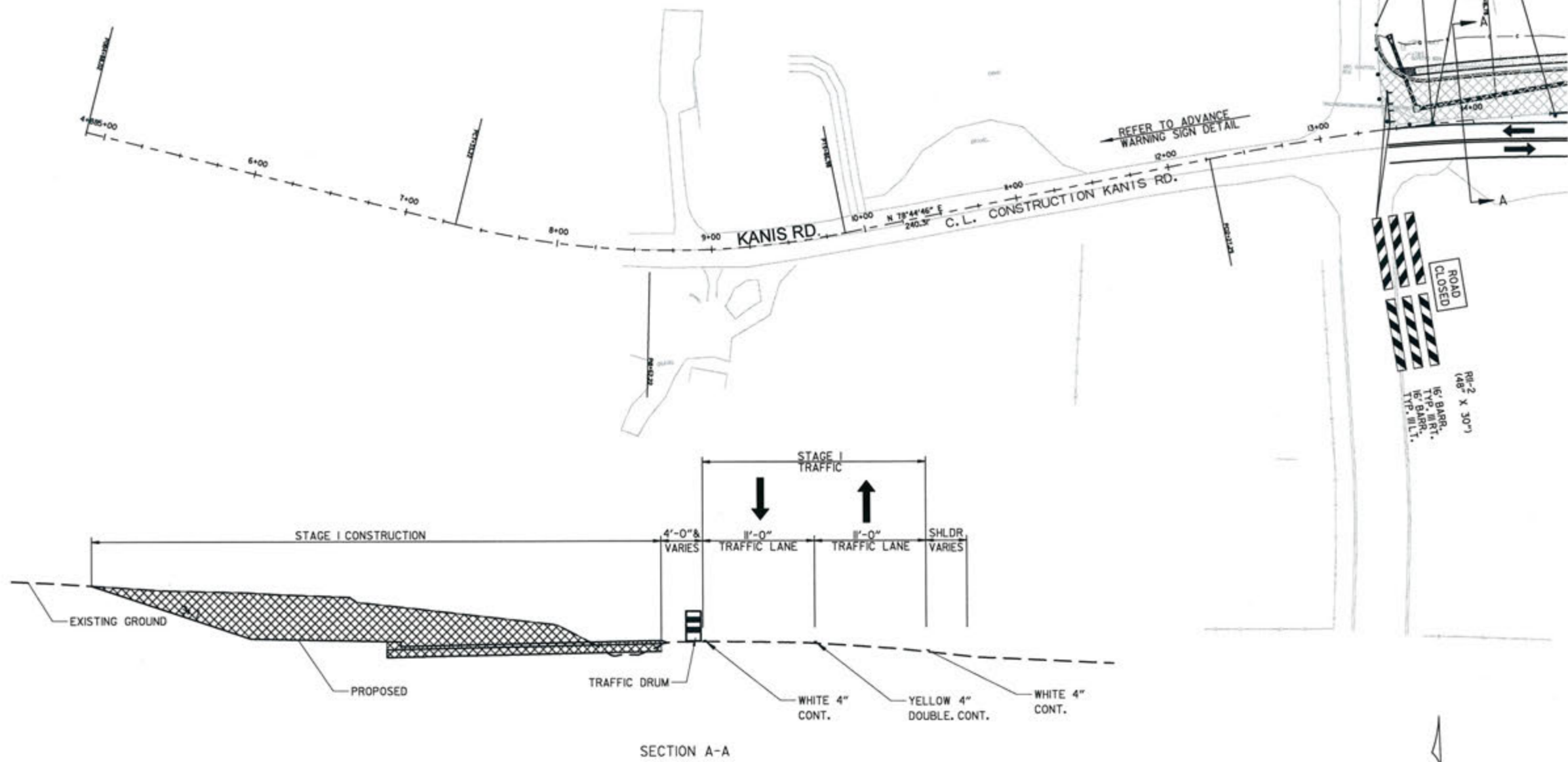


 DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 1  
CONSTRUCTION PAVEMENT MARKINGS  
STA. 13+00 TO STA. 14+50  
4' WHITE CONTINUOUS = 220 LIN. FT.  
4' DOUBLE YELLOW = 220 LIN. FT.

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
FROM GAMBLE ROAD TO SHACKLEFORD ROAD

- STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
MAINTENANCE OF TRAFFIC - STAGE 1  
KANIS ROAD SHEET 1


DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11437  
EYDIN G. TOBLESEY

3-15-17

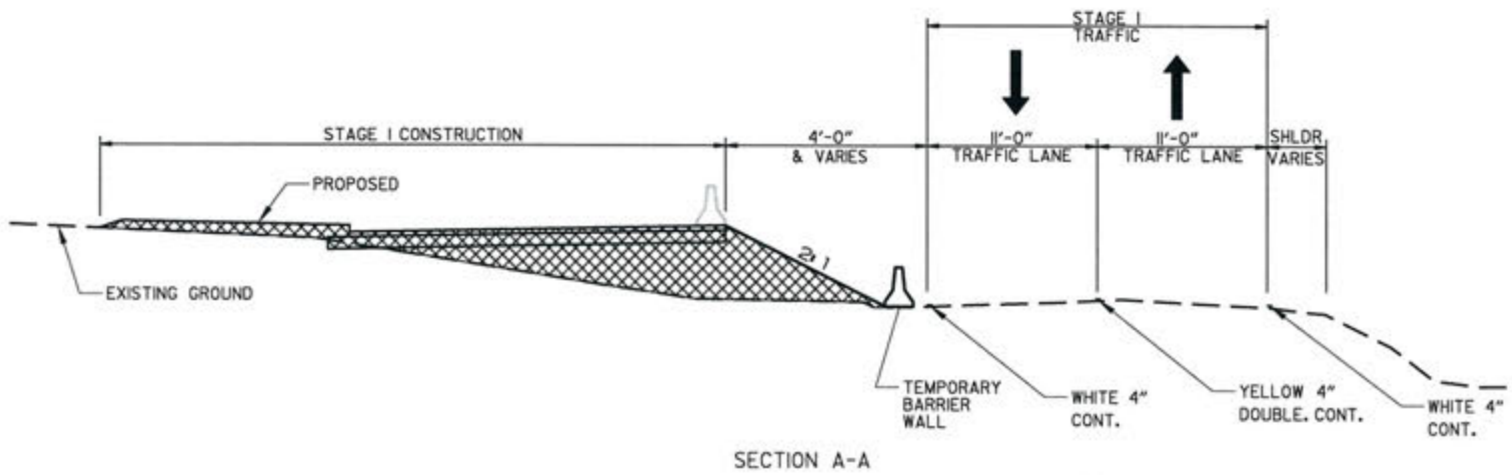
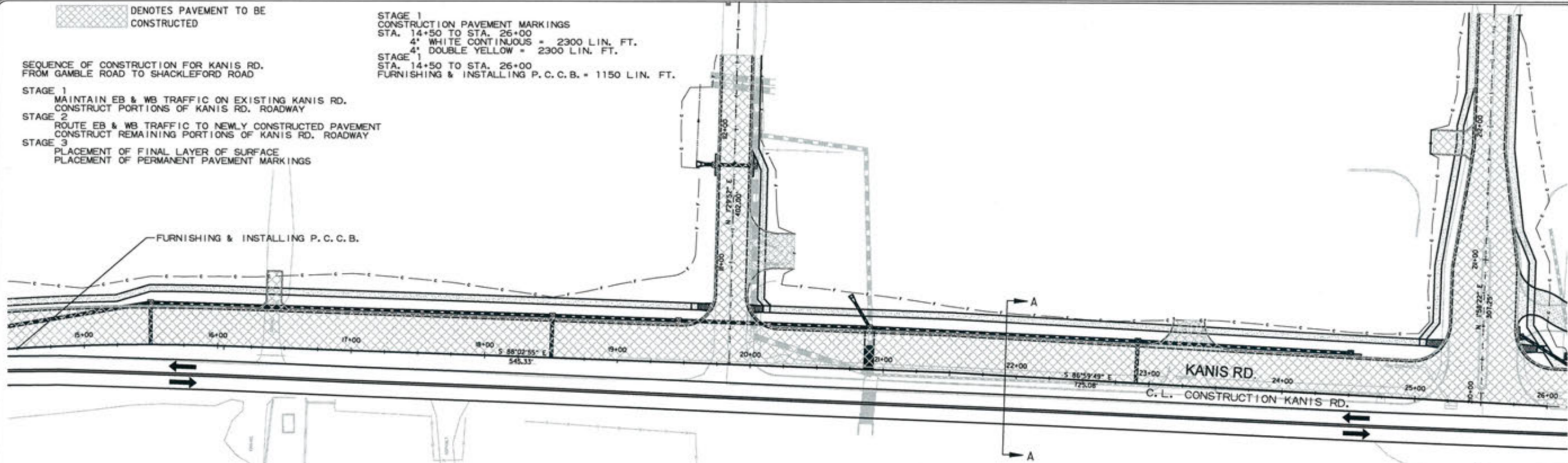
DRAWN BY	RFR
DESIGNED	RFR
CHECKED	RFR
DATE	02 / 24 / 17
SCALE	1" = 80'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-42

 DENOTES PAVEMENT TO BE CONSTRUCTED

**STAGE 1**  
 CONSTRUCTION PAVEMENT MARKINGS  
 STA. 14+50 TO STA. 26+00  
 4' WHITE CONTINUOUS = 2300 LIN. FT.  
 4' DOUBLE YELLOW = 2300 LIN. FT.  
**STAGE 1**  
 STA. 14+50 TO STA. 26+00  
 FURNISHING & INSTALLING P.C.C.B. = 1150 LIN. FT.

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
 FROM GAMBLE ROAD TO SHACKLEFORD ROAD

- STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 MAINTENANCE OF TRAFFIC - STAGE 1  
 KANIS ROAD SHEET 2

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBIAS

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02/24/17
SCALE	1" = 80'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-43

 DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 1  
CONSTRUCTION PAVEMENT MARKINGS  
STA. 26+00 TO STA. 37+50  
4" WHITE CONTINUOUS = 2300 LIN. FT.  
4" DOUBLE YELLOW = 2300 LIN. FT.

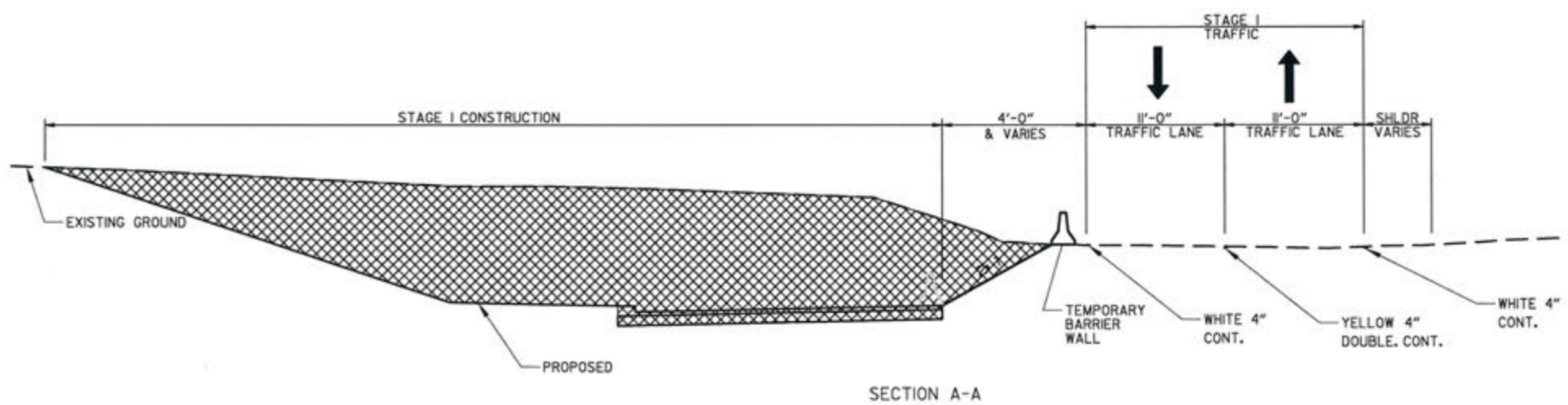
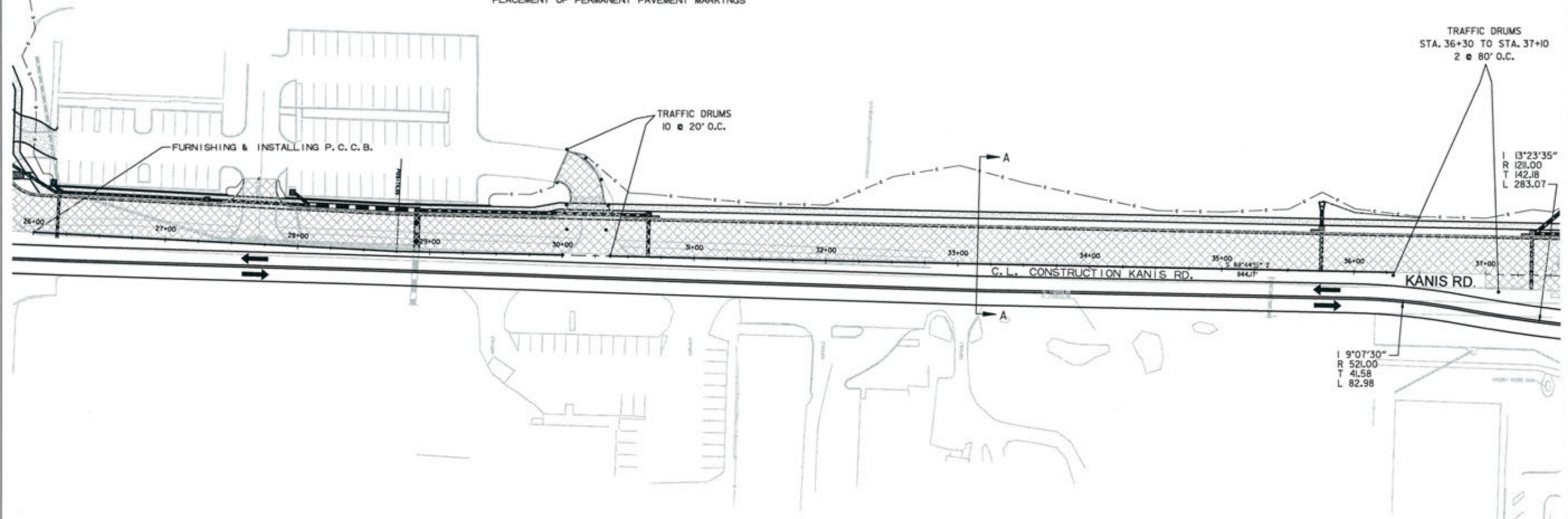
STAGE 2  
STA. 26+00 TO STA. 36+30  
FURNISHING & INSTALLING P.C.C.B. = 1030 LIN. FT.

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
FROM GAMBLE ROAD TO SHACKLEFORD ROAD

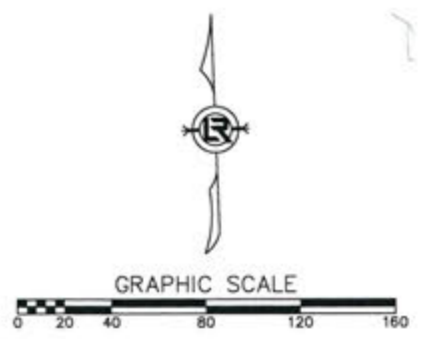
STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY

STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY

STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS



SECTION A-A



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
MAINTENANCE OF TRAFFIC - STAGE 1  
KANIS ROAD SHEET 3

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
N. 11-07  
EVYIN G. TOMLINSKY  
3-15-17

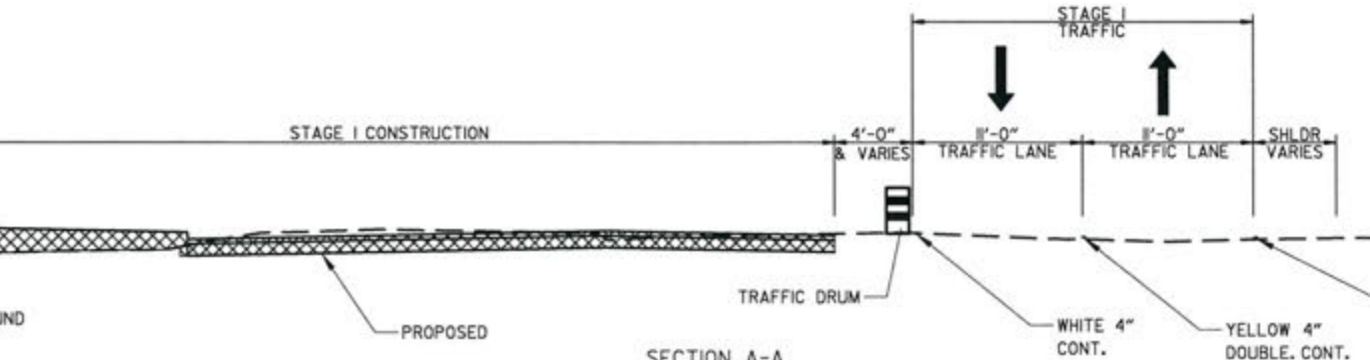
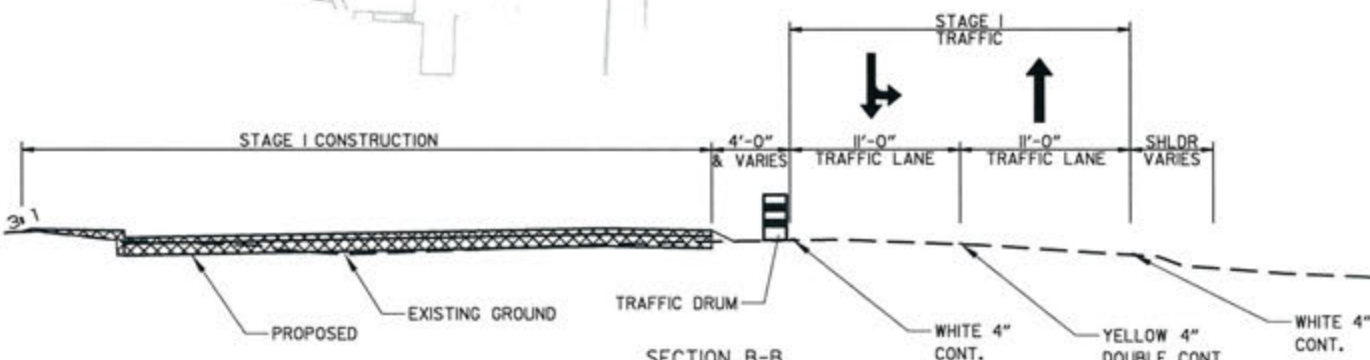
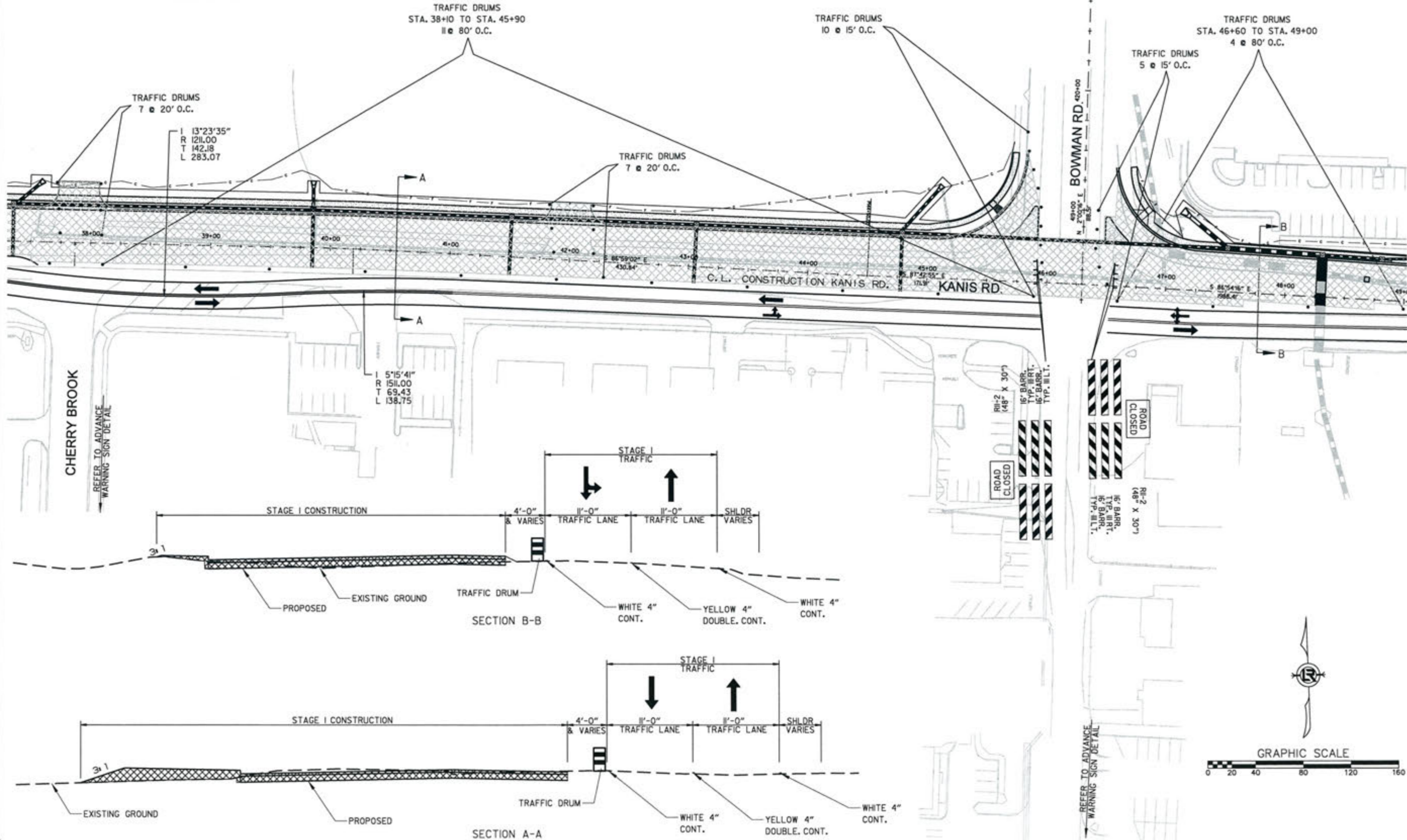
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RFR  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02 / 24 / 17  
SCALE  
1" = 80'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-44

 DENOTES PAVEMENT TO BE CONSTRUCTED

**STAGE 1**  
 CONSTRUCTION PAVEMENT MARKINGS  
 STA. 37+50 TO STA. 49+00  
 4" WHITE CONTINUOUS = 2184 LIN. FT.  
 4" DOUBLE YELLOW = 2184 LIN. FT.

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
 FROM GAMBLE ROAD TO SHACKLEFORD ROAD

- STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 MAINTENANCE OF TRAFFIC - STAGE 1  
 KANIS ROAD SHEET 4

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

  
 STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLESKY

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 80'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-45

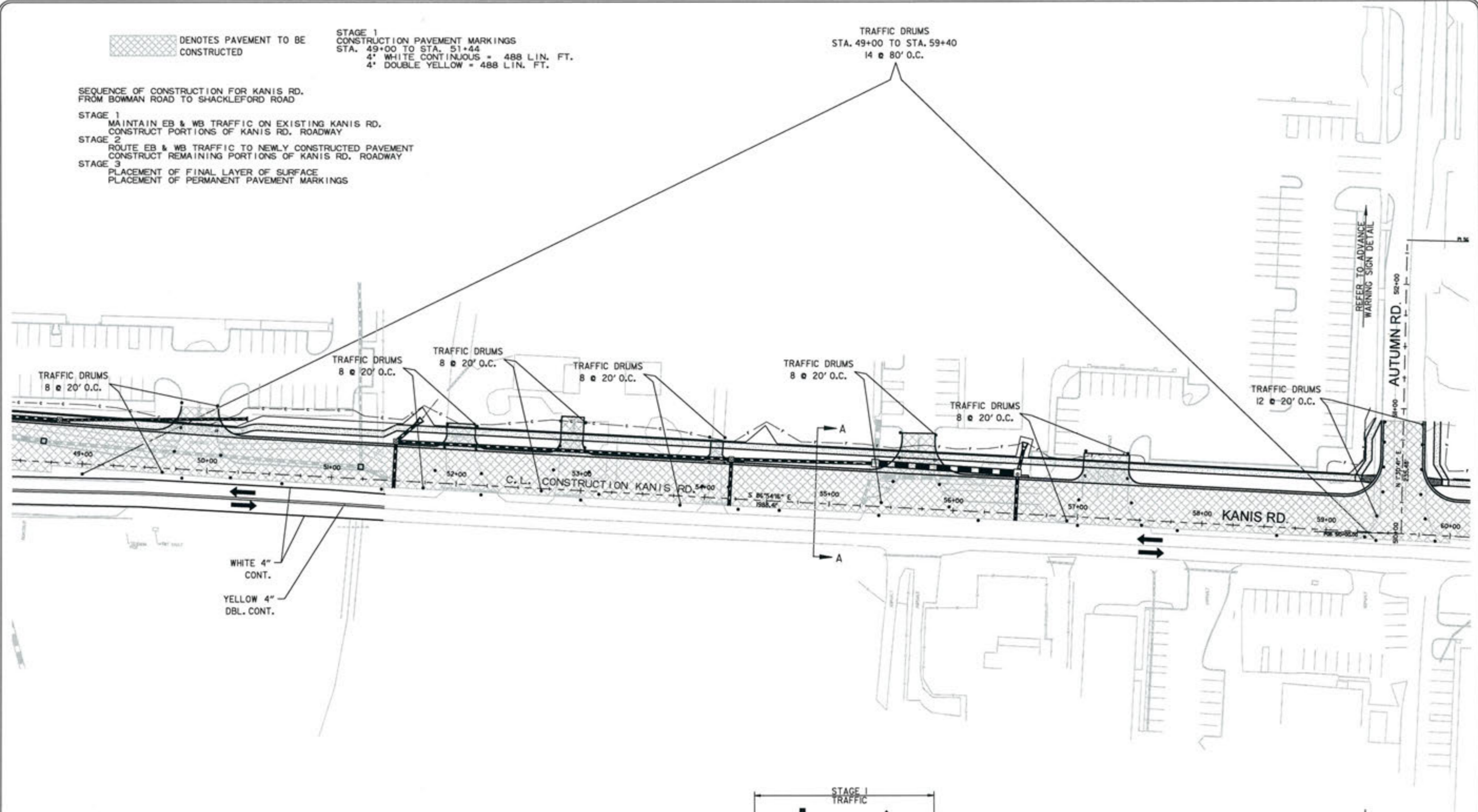
 DENOTES PAVEMENT TO BE CONSTRUCTED

**STAGE 1**  
 CONSTRUCTION PAVEMENT MARKINGS  
 STA. 49+00 TO STA. 51+44  
 4" WHITE CONTINUOUS = 488 LIN. FT.  
 4" DOUBLE YELLOW = 488 LIN. FT.

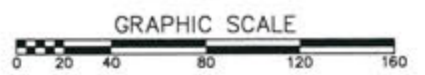
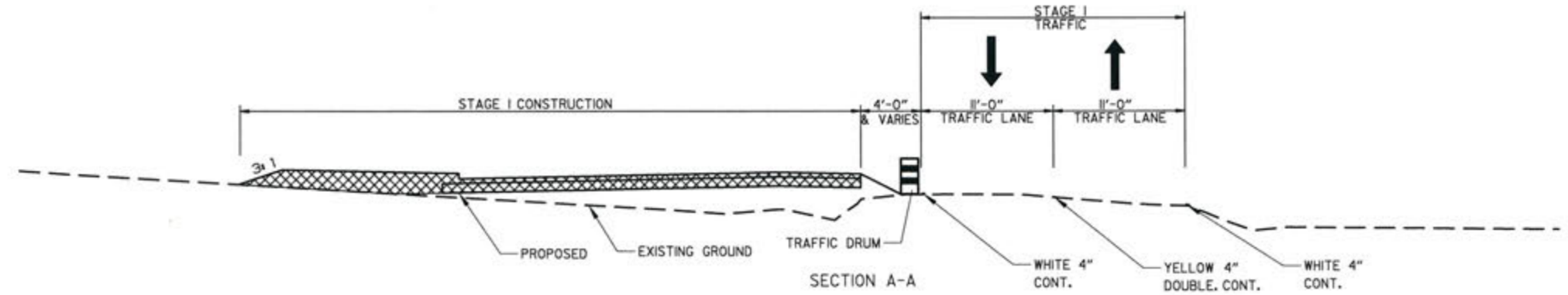
SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
FROM BOWMAN ROAD TO SHACKLEFORD ROAD

- STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS

TRAFFIC DRUMS  
 STA. 49+00 TO STA. 59+40  
 14 @ 80' O.C.



WHITE 4" CONT.  
 YELLOW 4" DBL. CONT.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 MAINTENANCE OF TRAFFIC - STAGE 1  
 KANIS ROAD SHEET 5

  
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 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11-07  
 KEVIN G. TOBLEBENT

3-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 80'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-46

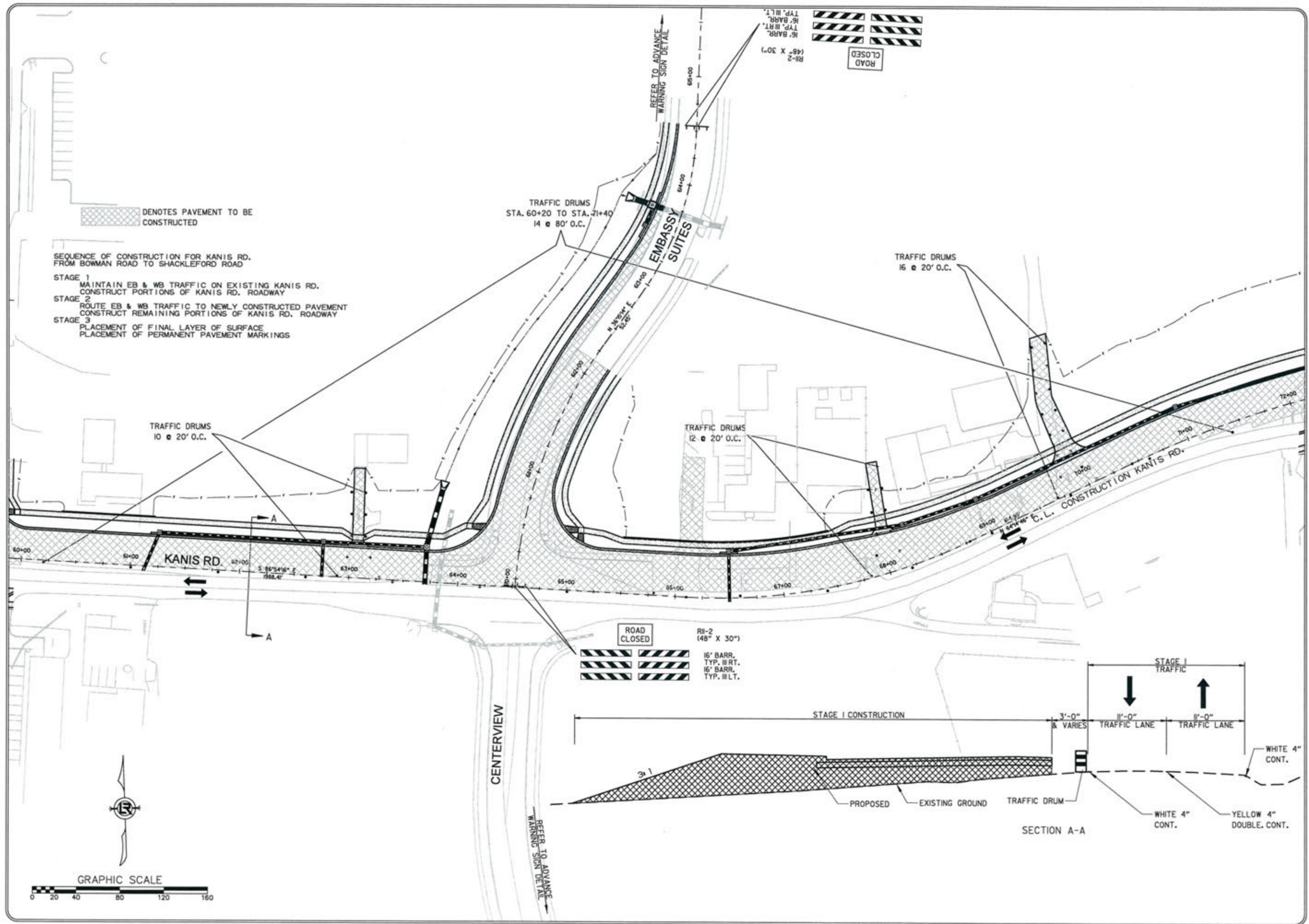
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 MAINTENANCE OF TRAFFIC - STAGE 1  
 KANIS ROAD SHEET 6

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLESTY

8-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 80'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-47



DENOTES PAVEMENT TO BE CONSTRUCTED

SEQUENCE OF CONSTRUCTION FOR KANIS RD. FROM BOWMAN ROAD TO SHACKLEFORD ROAD

- STAGE 1 MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD. CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2 ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3 PLACEMENT OF FINAL LAYER OF SURFACE PLACEMENT OF PERMANENT PAVEMENT MARKINGS

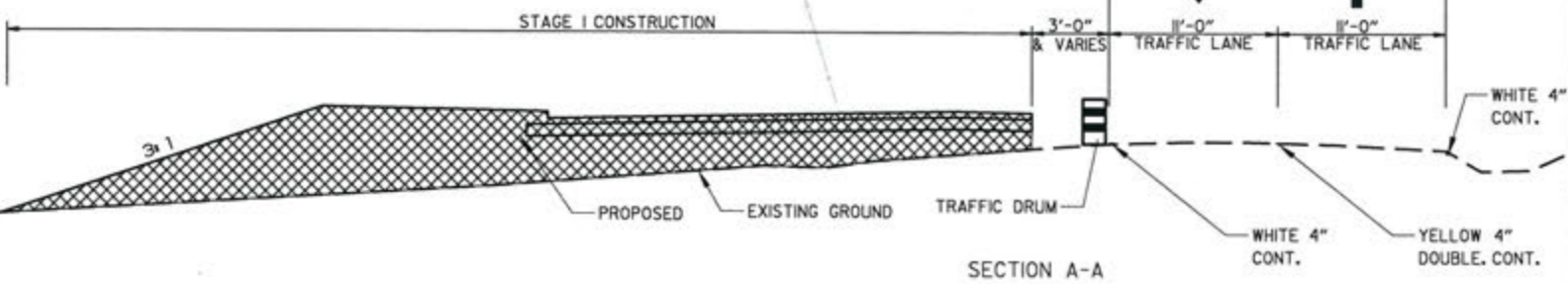
TRAFFIC DRUMS 10 @ 20' O.C.

TRAFFIC DRUMS STA. 60+20 TO STA. 71+40 14 @ 80' O.C.

TRAFFIC DRUMS 12 @ 20' O.C.

TRAFFIC DRUMS 16 @ 20' O.C.

ROAD CLOSED RR-2 (48" X 30") 16' BARR. TYP. II RT. 16' BARR. TYP. II LT.




SECTION A-A

CENTERVIEW

REFER TO ADVANCE WARNING SIGN DETAIL

GRAPHIC SCALE

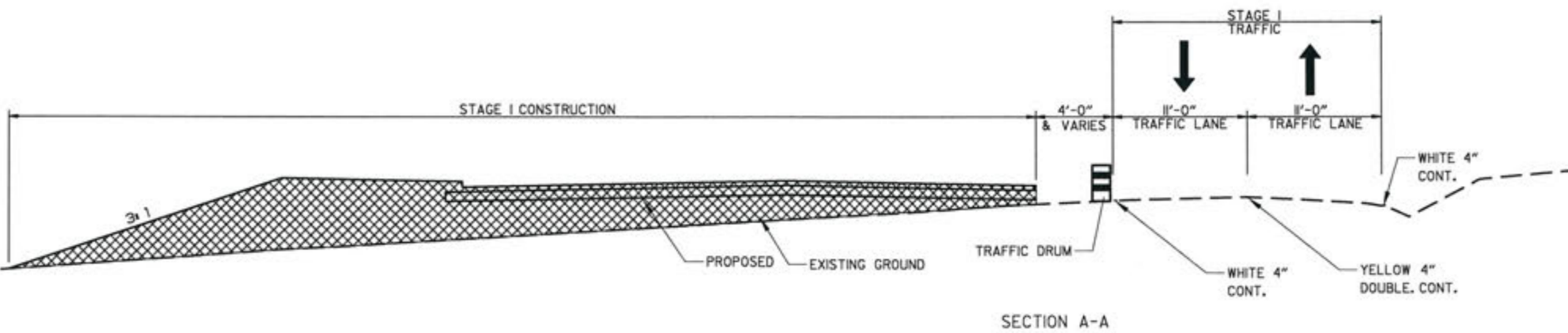
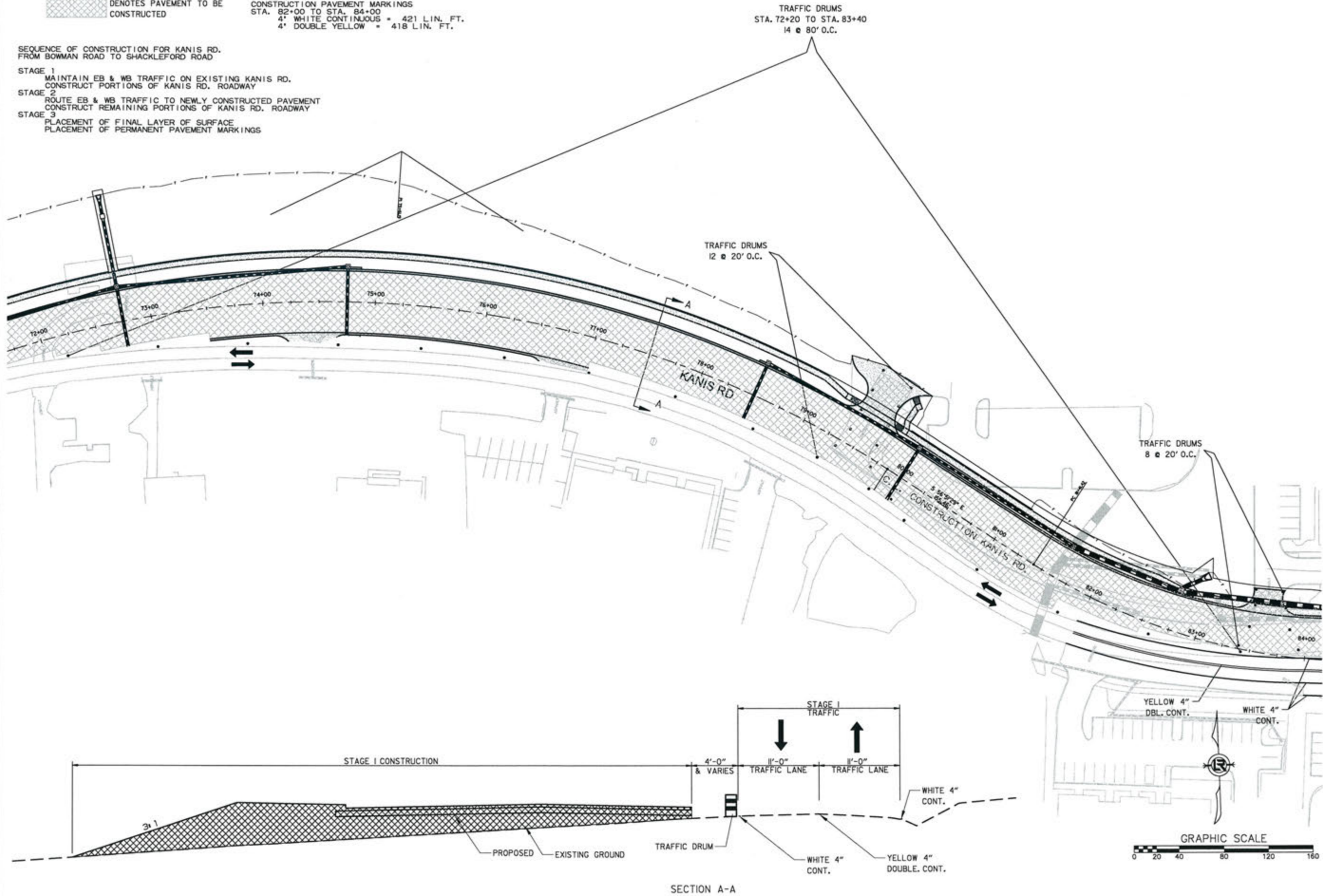


 DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 1  
CONSTRUCTION PAVEMENT MARKINGS  
STA. 82+00 TO STA. 84+00  
4" WHITE CONTINUOUS = 421 LIN. FT.  
4" DOUBLE YELLOW = 418 LIN. FT.

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
FROM BOWMAN ROAD TO SHACKLEFORD ROAD

- STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
MAINTENANCE OF TRAFFIC - STAGE 1  
KANIS ROAD SHEET 7

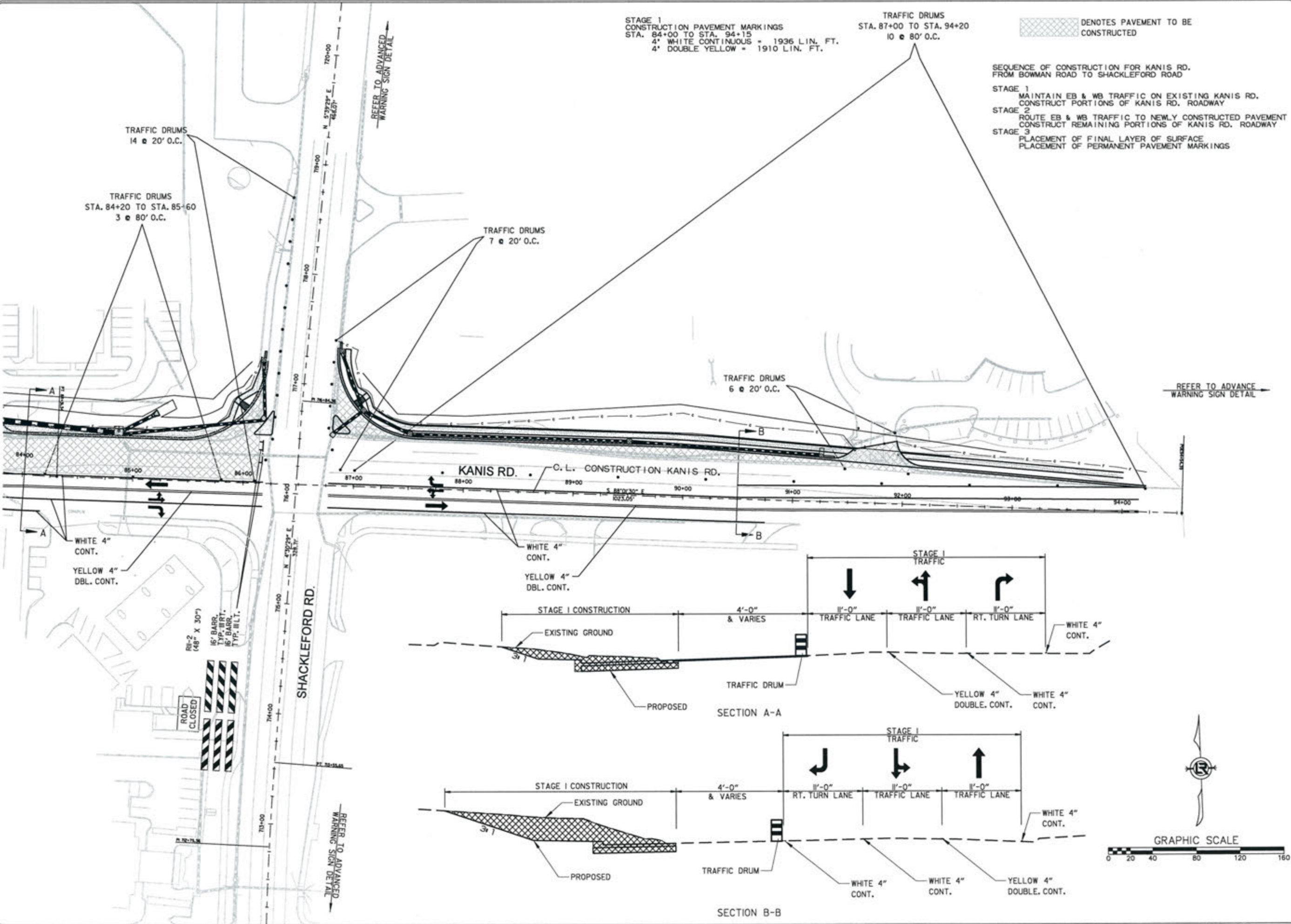
DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBLENT  
9-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	RFR
DATE	02/24/17
SCALE	1" = 80'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-48





STAGE 1  
 CONSTRUCTION PAVEMENT MARKINGS  
 STA. 84+00 TO STA. 94+15  
 4" WHITE CONTINUOUS = 1936 LIN. FT.  
 4" DOUBLE YELLOW = 1910 LIN. FT.

TRAFFIC DRUMS  
 STA. 87+00 TO STA. 94+20  
 10 @ 80' O.C.

■ DENOTES PAVEMENT TO BE  
 CONSTRUCTED

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
 FROM BOWMAN ROAD TO SHACKLEFORD ROAD

STAGE 1  
 MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
 CONSTRUCT PORTIONS OF KANIS RD. ROADWAY

STAGE 2  
 ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
 CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY

STAGE 3  
 PLACEMENT OF FINAL LAYER OF SURFACE  
 PLACEMENT OF PERMANENT PAVEMENT MARKINGS

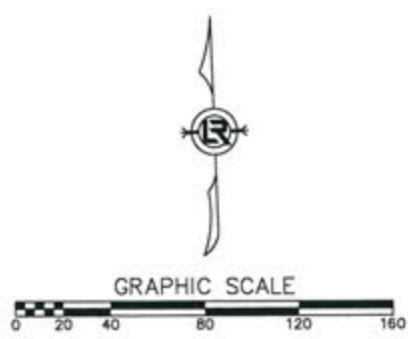
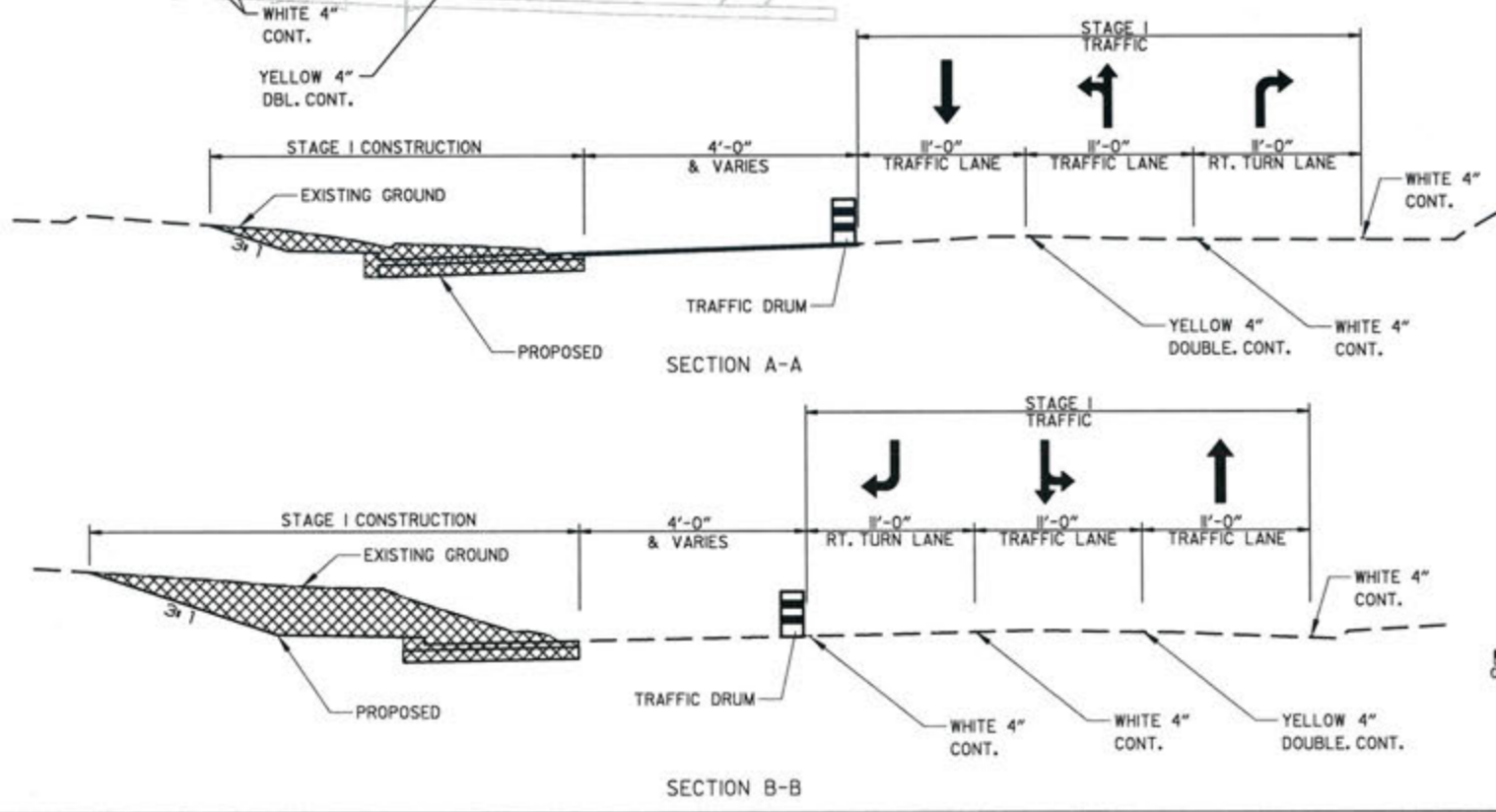
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 MAINTENANCE OF TRAFFIC - STAGE 1  
 KANIS ROAD SHEET 8

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 KEVIN G. TOBIAS

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 80'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-49

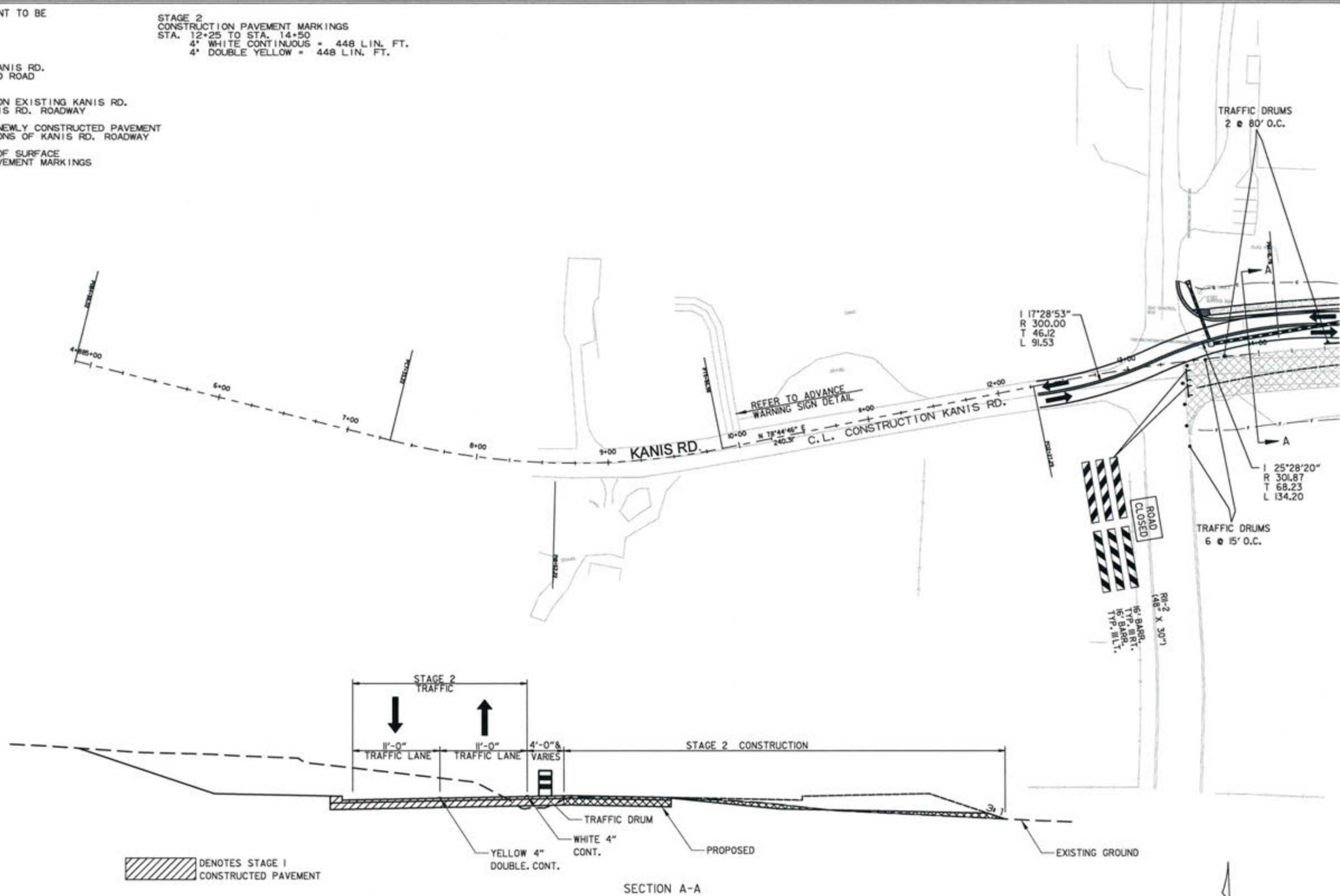


 DENOTES PAVEMENT TO BE CONSTRUCTED

**STAGE 2**  
 CONSTRUCTION PAVEMENT MARKINGS  
 STA. 12+25 TO STA. 14+50  
 4' WHITE CONTINUOUS = 448 LIN. FT.  
 4' DOUBLE YELLOW = 448 LIN. FT.

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
 FROM GAMBLE ROAD TO SHACKLEFORD ROAD

- STAGE 1  
 MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
 CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
 ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
 CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
 PLACEMENT OF FINAL LAYER OF SURFACE  
 PLACEMENT OF PERMANENT PAVEMENT MARKINGS



 DENOTES STAGE 1 CONSTRUCTED PAVEMENT

SECTION A-A




REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 MAINTENANCE OF TRAFFIC - STAGE 2  
 KANIS ROAD SHEET 1

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBIAS

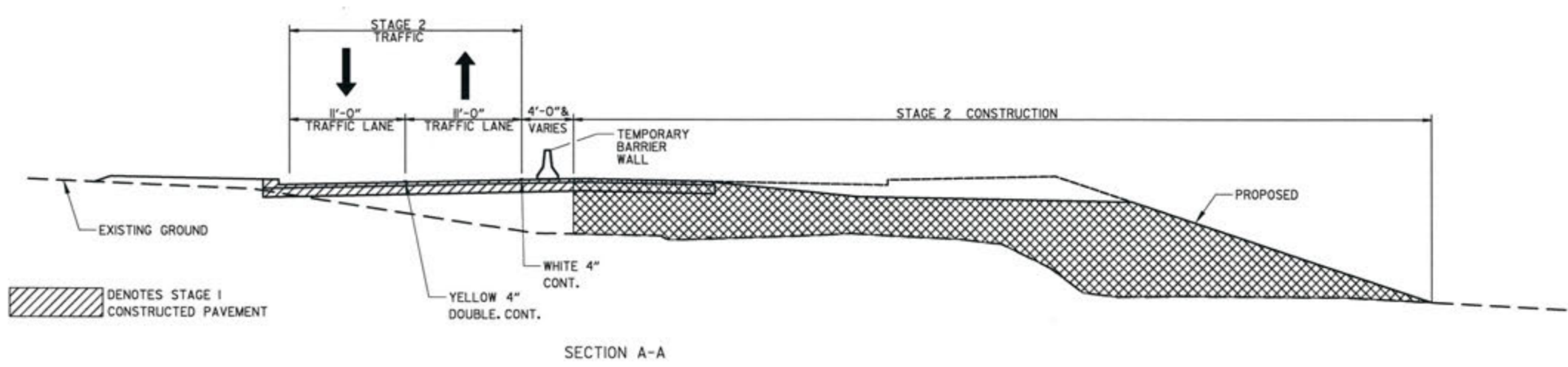
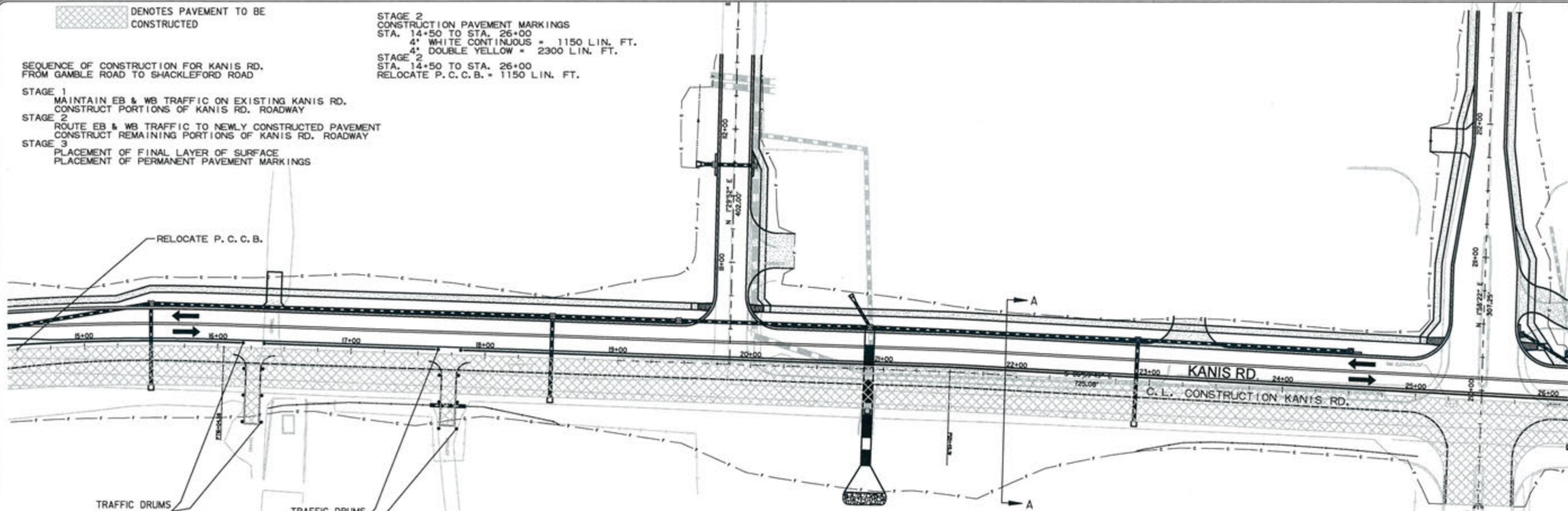
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 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 80'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-50**

 DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 2  
CONSTRUCTION PAVEMENT MARKINGS  
STA. 14+50 TO STA. 26+00  
4" WHITE CONTINUOUS = 1150 LIN. FT.  
4" DOUBLE YELLOW = 2300 LIN. FT.  
STAGE 2  
STA. 14+50 TO STA. 26+00  
RELOCATE P.C.C.B. = 1150 LIN. FT.

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
FROM GAMBLE ROAD TO SHACKLEFORD ROAD

- STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
MAINTENANCE OF TRAFFIC - STAGE 2  
KANIS ROAD SHEET 2



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701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201




STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11497  
KEVIN G. TOBOLSKY

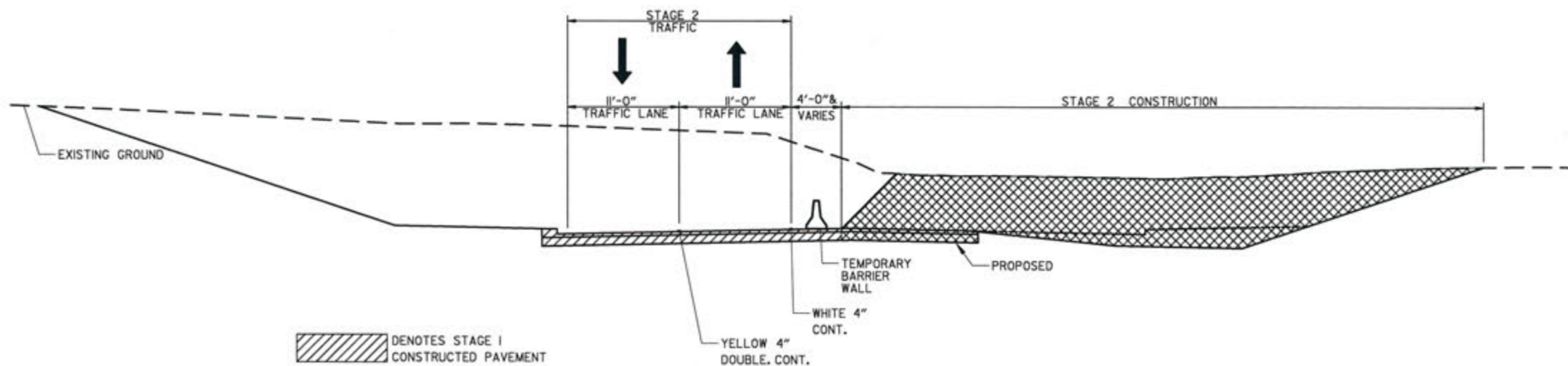
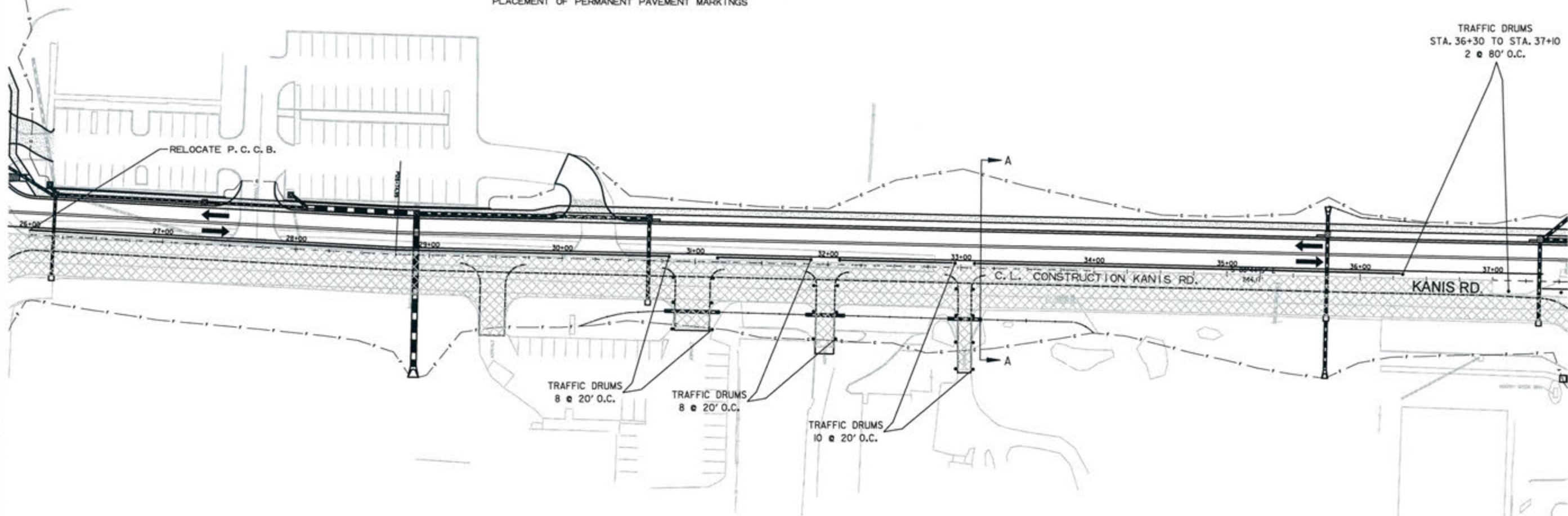
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RFR  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02 / 24 / 17  
SCALE  
1" = 80'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-51

 DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 2  
CONSTRUCTION PAVEMENT MARKINGS  
STA. 26+00 TO STA. 37+50  
4" WHITE CONTINUOUS = 1150 LIN. FT.  
4" DOUBLE YELLOW = 2300 LIN. FT.  
STAGE 2  
STA. 26+00 TO STA. 36+30  
RELOCATE P.C.C.B. = 1030 LIN. FT.

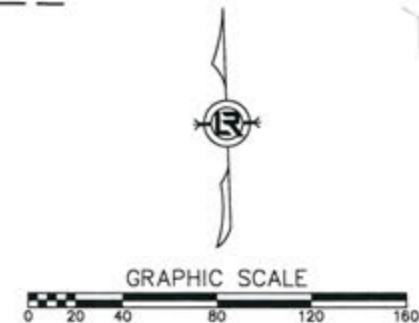
SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
FROM GAMBLE ROAD TO SHACKLEFORD ROAD

- STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS




 DENOTES STAGE 1 CONSTRUCTED PAVEMENT

SECTION A-A



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 MAINTENANCE OF TRAFFIC - STAGE 2  
 KANIS ROAD SHEET 3

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBIAS

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 80'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-52


REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 MAINTENANCE OF TRAFFIC - STAGE 2  
 KANIS ROAD SHEET 4

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBIAS

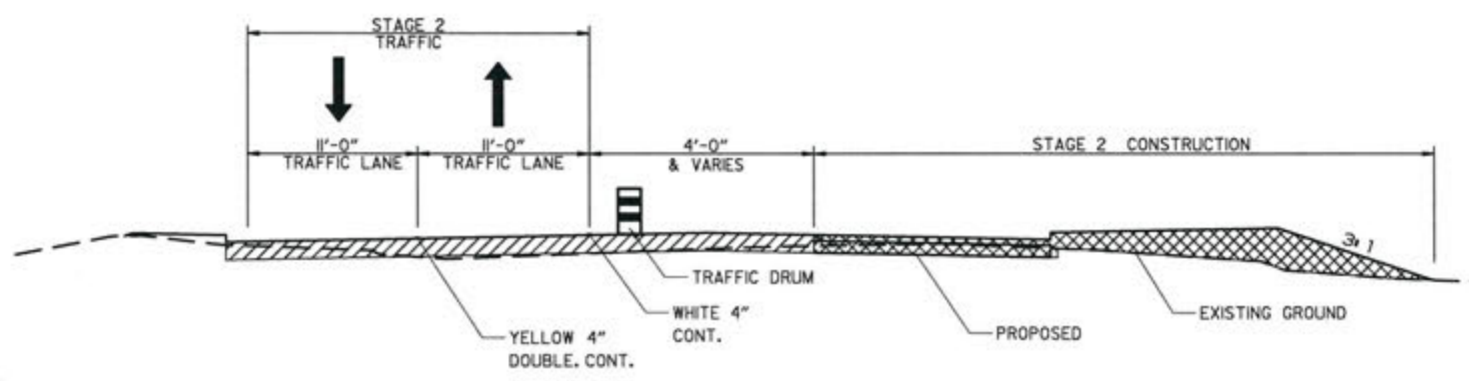
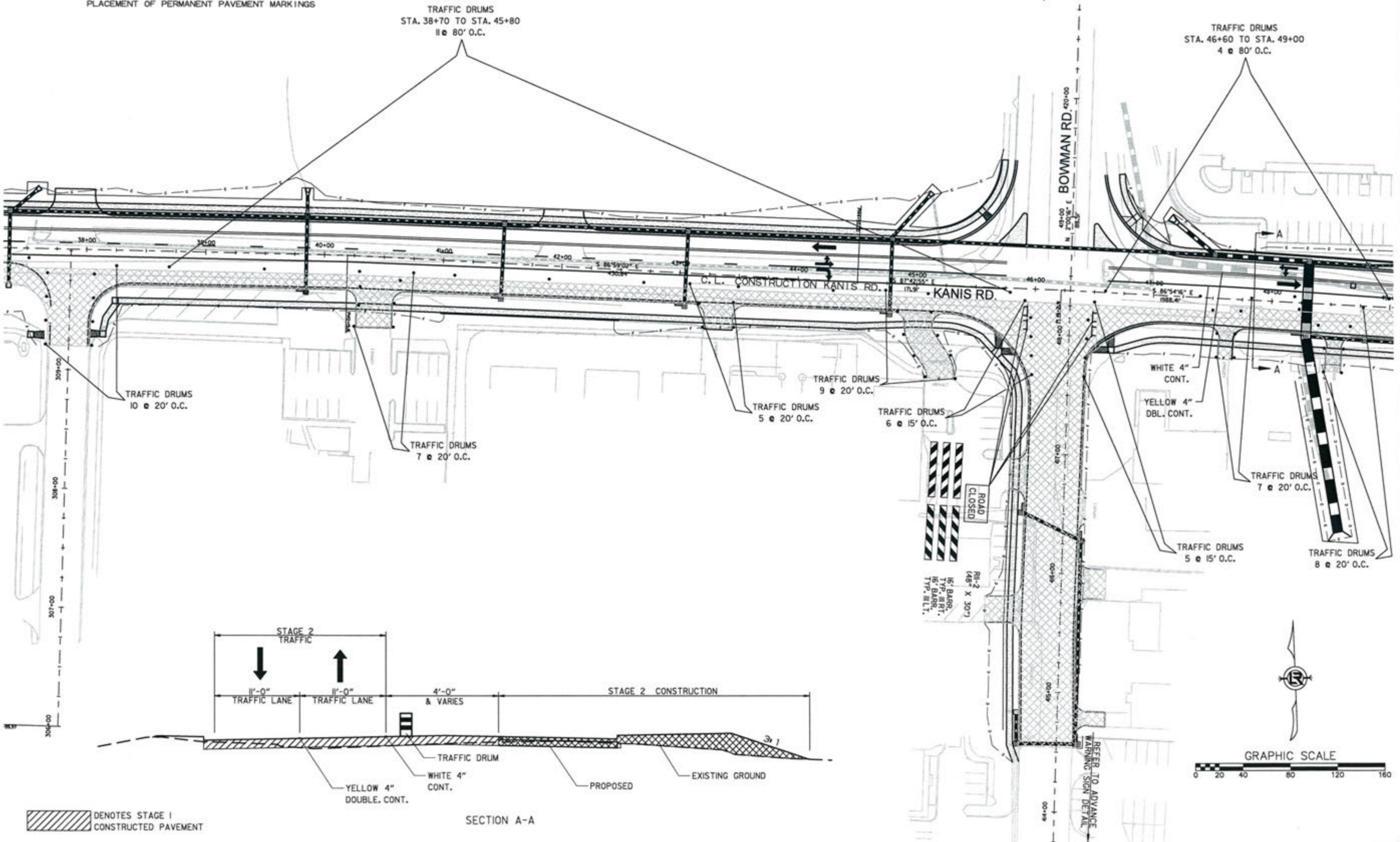
3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 02/24/17  
 SCALE 1" = 80'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-53

 DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 2  
 CONSTRUCTION PAVEMENT MARKINGS  
 STA. 37+50 TO STA. 49+00  
 4" WHITE CONTINUOUS = 1263 LIN. FT.  
 4" WHITE SKIP = 150 LIN. FT.  
 4" DOUBLE YELLOW = 2128 LIN. FT.

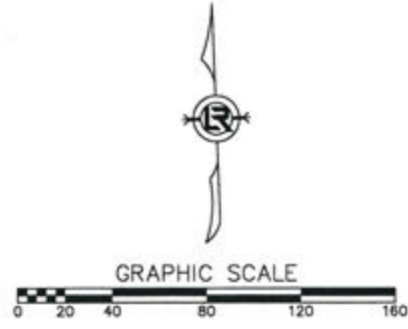
SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
 FROM GAMBLE ROAD TO SHACKLEFORD ROAD

- STAGE 1  
 MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
 CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
 ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
 CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
 PLACEMENT OF FINAL LAYER OF SURFACE  
 PLACEMENT OF PERMANENT PAVEMENT MARKINGS



 DENOTES STAGE 1 CONSTRUCTED PAVEMENT

SECTION A-A



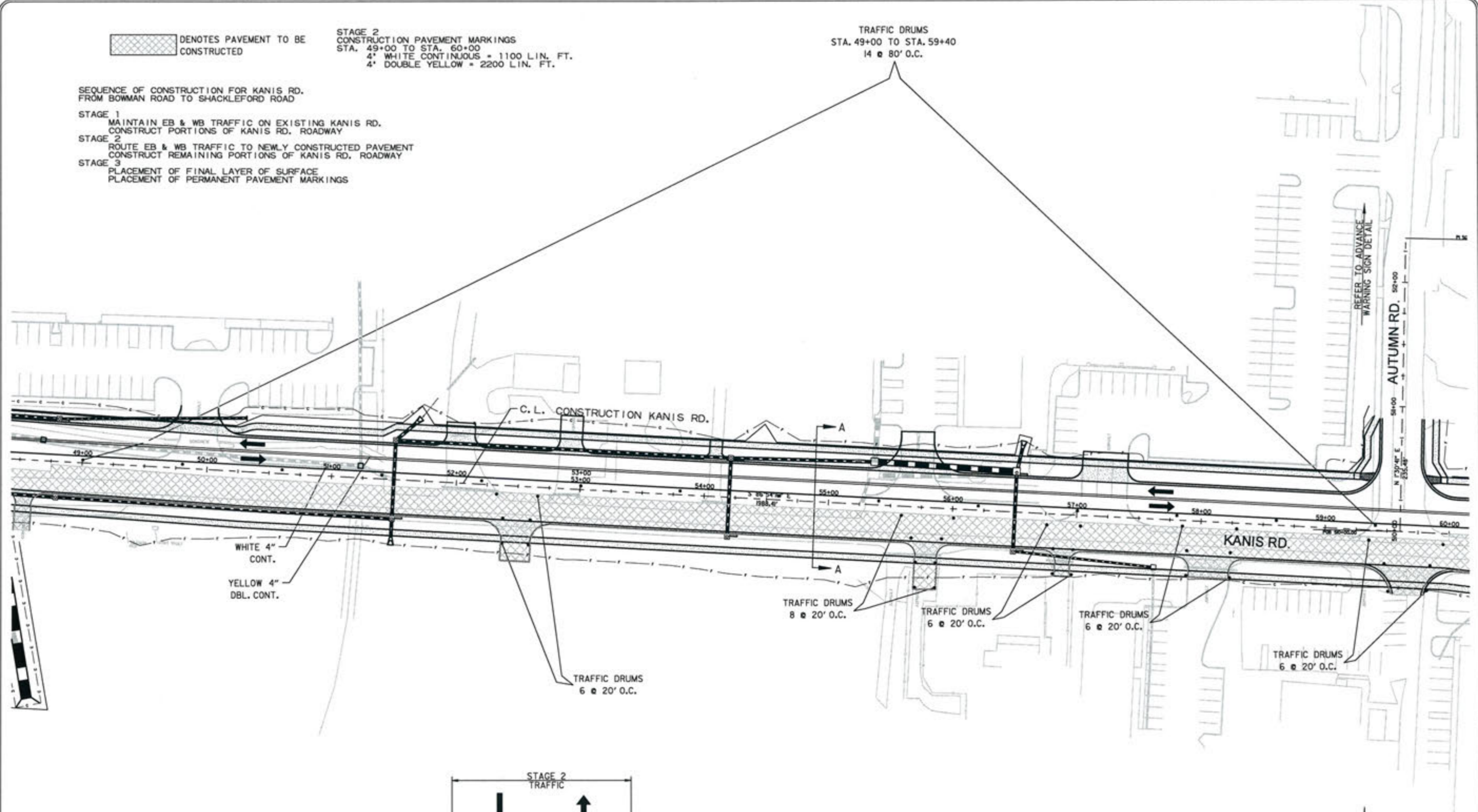
 DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 2  
CONSTRUCTION PAVEMENT MARKINGS  
STA. 49+00 TO STA. 60+00  
4' WHITE CONTINUOUS = 1100 LIN. FT.  
4' DOUBLE YELLOW = 2200 LIN. FT.

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
FROM BOWMAN ROAD TO SHACKLEFORD ROAD

- STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS

TRAFFIC DRUMS  
STA. 49+00 TO STA. 59+40  
14 @ 80' O.C.



WHITE 4" CONT.  
YELLOW 4" DBL. CONT.

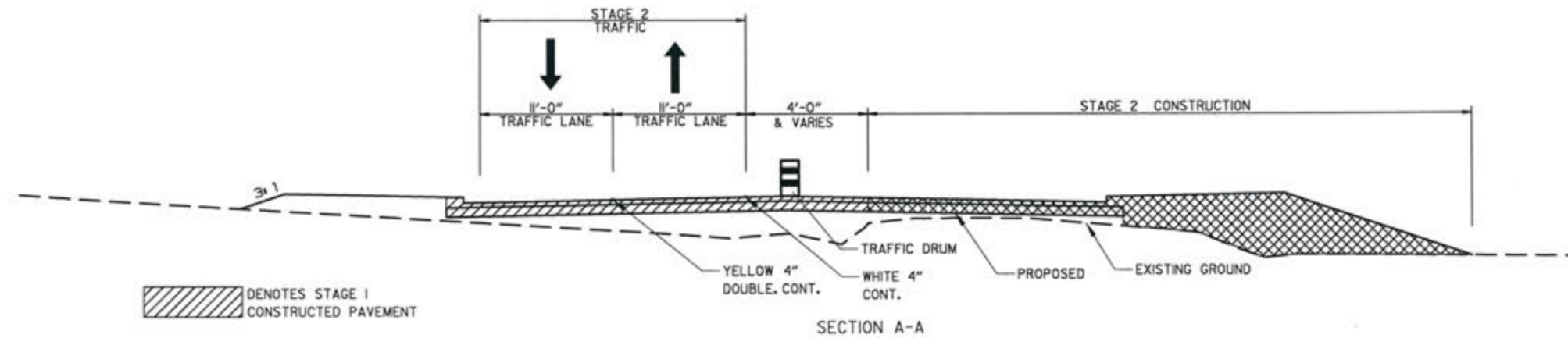
TRAFFIC DRUMS  
8 @ 20' O.C.

TRAFFIC DRUMS  
6 @ 20' O.C.

TRAFFIC DRUMS  
6 @ 20' O.C.

TRAFFIC DRUMS  
6 @ 20' O.C.

TRAFFIC DRUMS  
6 @ 20' O.C.



 DENOTES STAGE 1 CONSTRUCTED PAVEMENT

SECTION A-A



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
MAINTENANCE OF TRAFFIC - STAGE 2  
KANIS ROAD SHEET 5

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TORLESKY

3-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02/24/17
SCALE	1" = 80'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-54

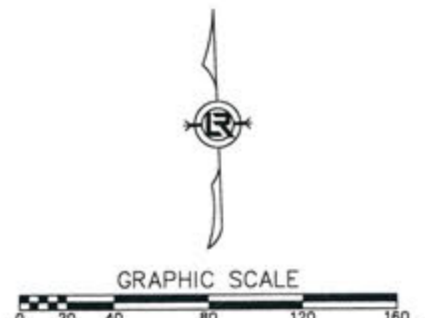
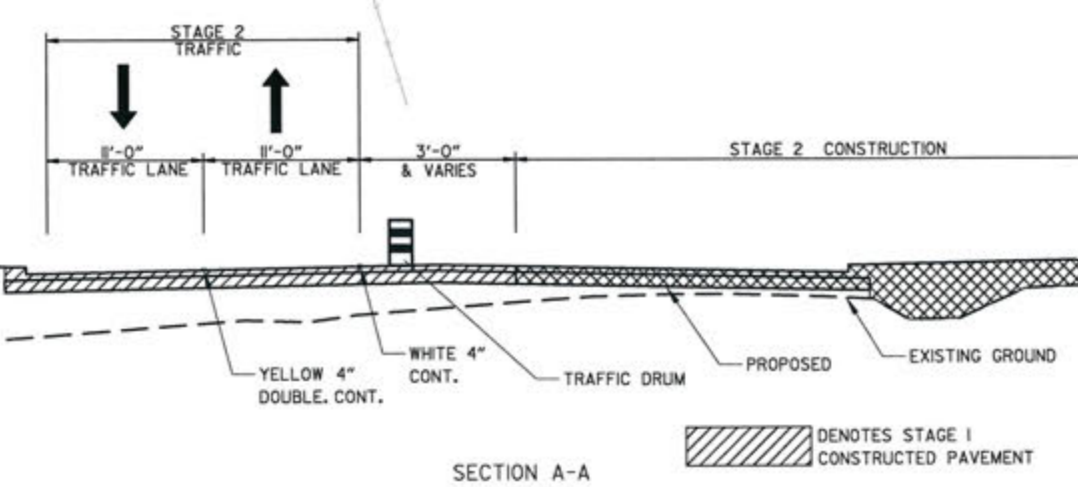
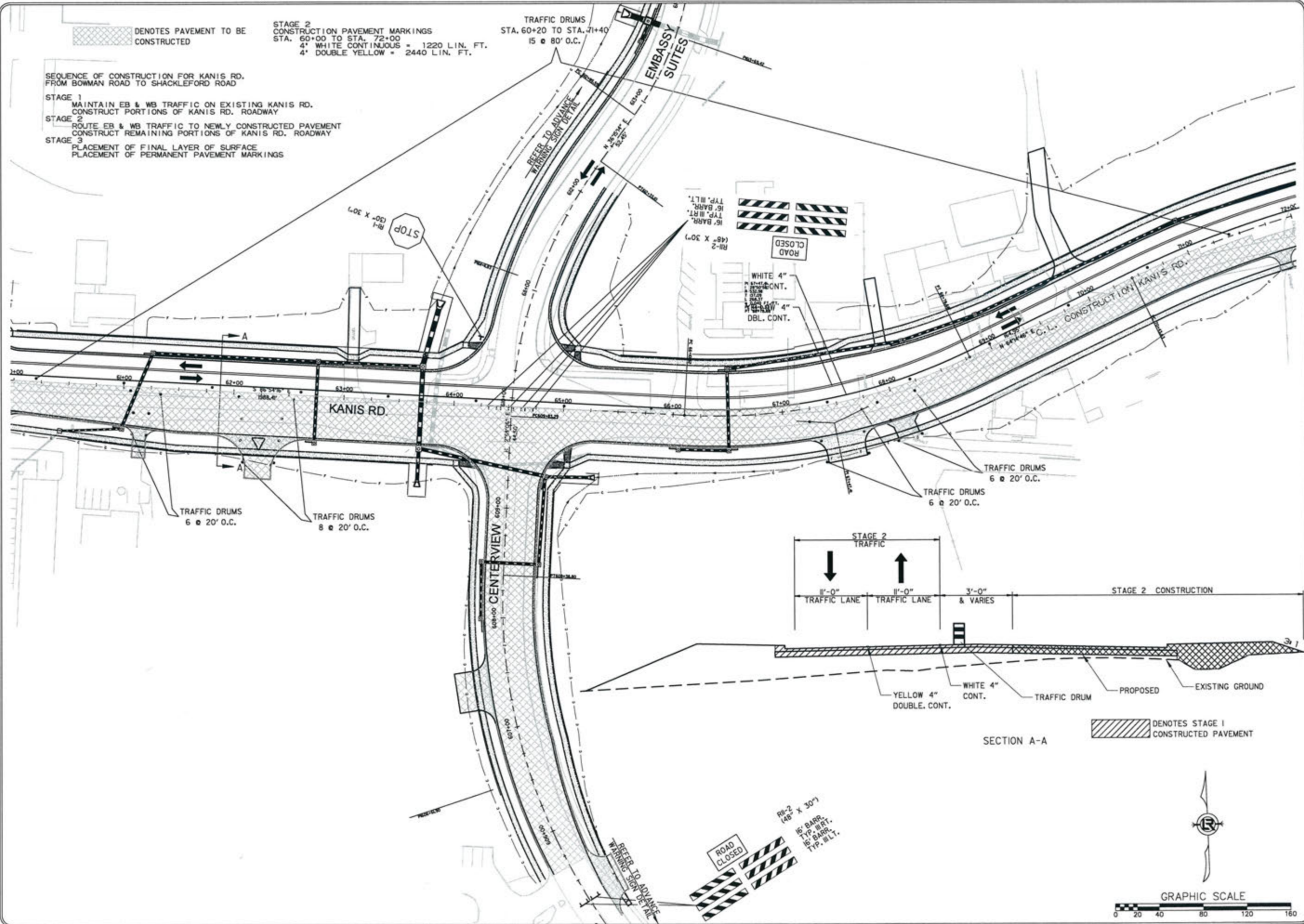
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 MAINTENANCE OF TRAFFIC - STAGE 2  
 KANIS ROAD SHEET 6

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERYN G. TOBLESKY

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 80'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-55**



DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 2  
 CONSTRUCTION PAVEMENT MARKINGS  
 STA. 60+00 TO STA. 72+00  
 4" WHITE CONTINUOUS = 1220 LIN. FT.  
 4" DOUBLE YELLOW = 2440 LIN. FT.

TRAFFIC DRUMS  
 STA. 60+20 TO STA. 71+40  
 15 @ 80' O.C.


SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
 FROM BOWMAN ROAD TO SHACKLEFORD ROAD

STAGE 1  
 MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
 CONSTRUCT PORTIONS OF KANIS RD. ROADWAY

STAGE 2  
 ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
 CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY

STAGE 3  
 PLACEMENT OF FINAL LAYER OF SURFACE  
 PLACEMENT OF PERMANENT PAVEMENT MARKINGS



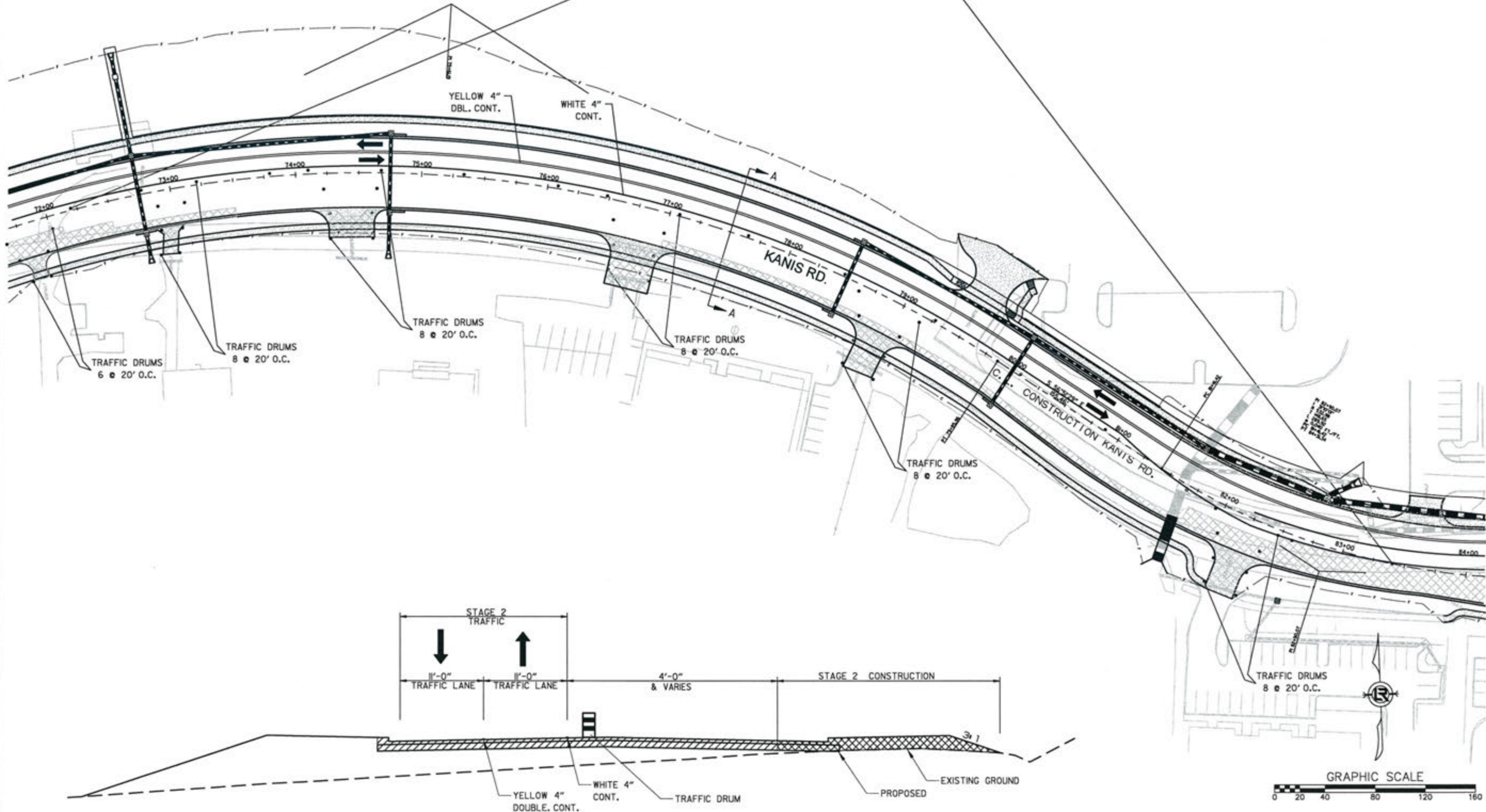
 DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 2  
CONSTRUCTION PAVEMENT MARKINGS  
STA. 72+00 TO STA. 84+00  
4" WHITE CONTINUOUS = 1376 LIN. FT.  
4" DOUBLE YELLOW = 2406 LIN. FT.

TRAFFIC DRUMS  
STA. 72+20 TO STA. 83+40  
14 @ 80' O.C.

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
FROM BOWMAN ROAD TO SHACKLEFORD ROAD

- STAGE 1  
MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
PLACEMENT OF FINAL LAYER OF SURFACE  
PLACEMENT OF PERMANENT PAVEMENT MARKINGS



 DENOTES STAGE 1 CONSTRUCTED PAVEMENT

SECTION A-A

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
MAINTENANCE OF TRAFFIC - STAGE 2  
KANIS ROAD SHEET 7

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KRYN G. TOBLESTY

3-15-17

DRAWN BY  
RFR  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02/24/17  
SCALE  
1" = 80'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-56





STAGE 2  
 CONSTRUCTION PAVEMENT MARKINGS  
 STA. 84+00 TO STA. 94+20  
 4" WHITE CONTINUOUS = 1375 LIN. FT.  
 4" DOUBLE YELLOW = 1918 LIN. FT.

 DENOTES PAVEMENT TO BE CONSTRUCTED

SEQUENCE OF CONSTRUCTION FOR KANIS RD.  
 FROM BOWMAN ROAD TO SHACKLEFORD ROAD

- STAGE 1  
 MAINTAIN EB & WB TRAFFIC ON EXISTING KANIS RD.  
 CONSTRUCT PORTIONS OF KANIS RD. ROADWAY
- STAGE 2  
 ROUTE EB & WB TRAFFIC TO NEWLY CONSTRUCTED PAVEMENT  
 CONSTRUCT REMAINING PORTIONS OF KANIS RD. ROADWAY
- STAGE 3  
 PLACEMENT OF FINAL LAYER OF SURFACE  
 PLACEMENT OF PERMANENT PAVEMENT MARKINGS

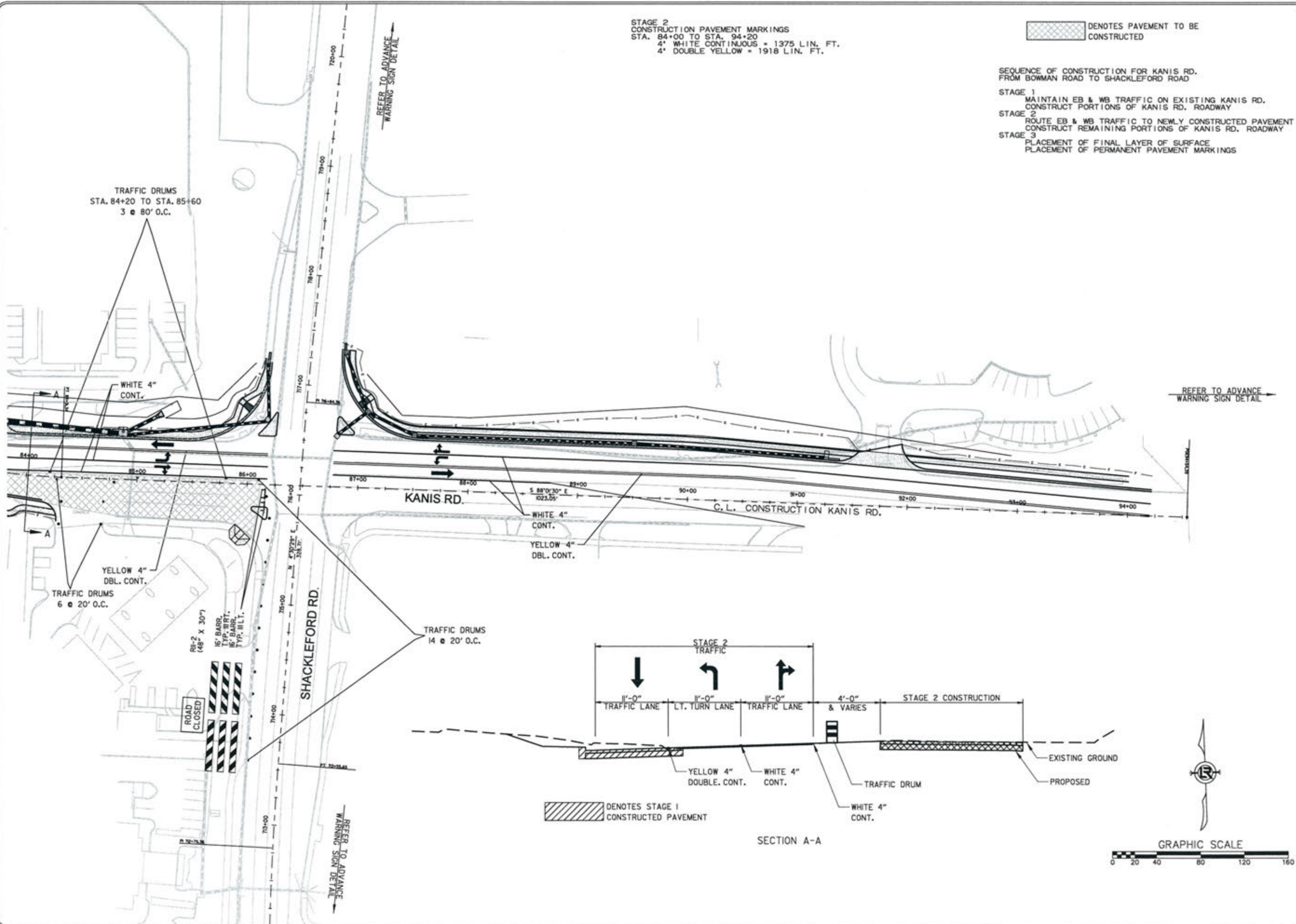
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 MAINTENANCE OF TRAFFIC - STAGE 2  
 KANIS ROAD SHEET 8

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

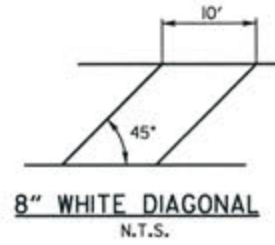
STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBIASSET

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 80'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-57

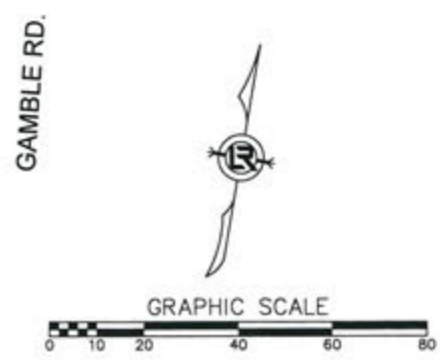
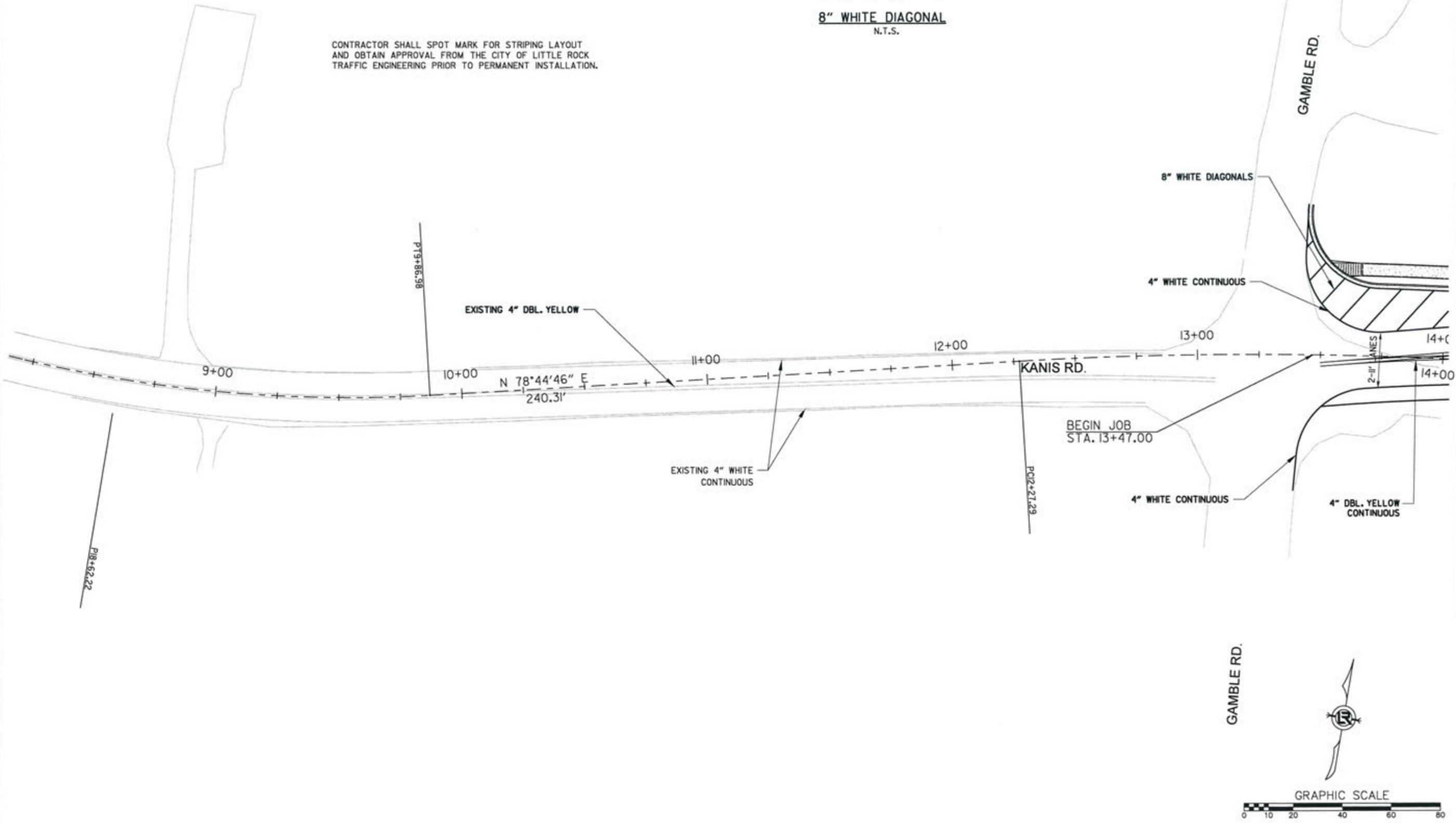


PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 9+00 TO STA. 14+00)

ITEM	QUANTITY
4" WHITE CONTINUOUS	163 L.F.
8" WHITE DIAGONAL	91 L.F.
4" DBL. YELLOW CONTINUOUS	400 L.F.



CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 1

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBLESKY

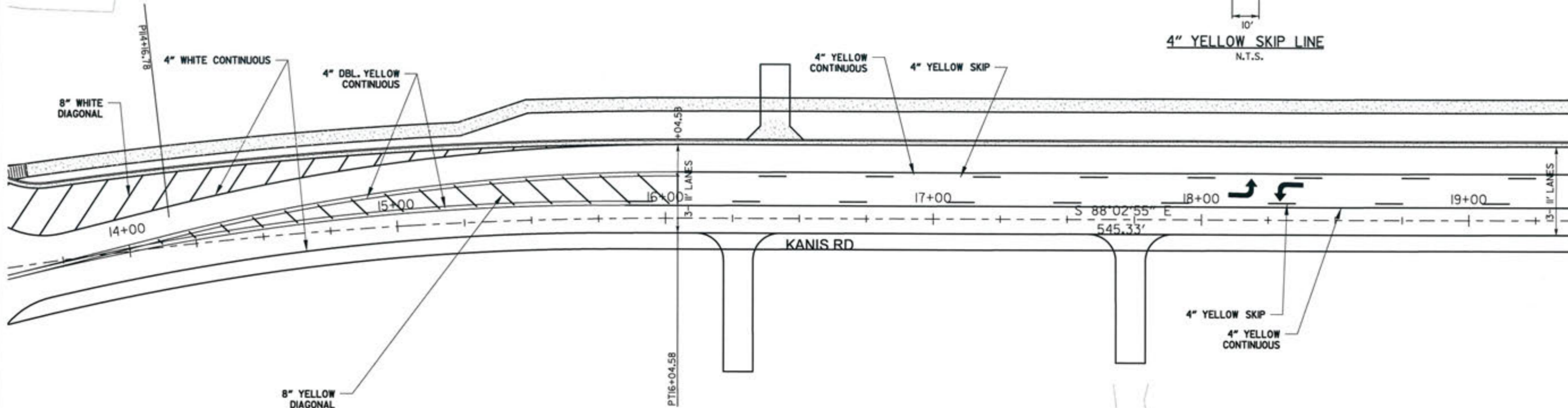
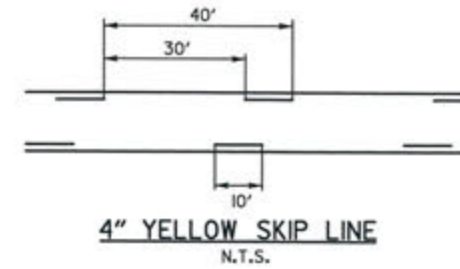
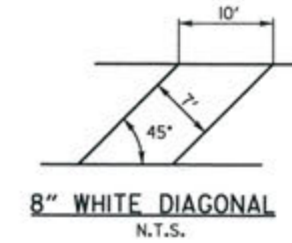
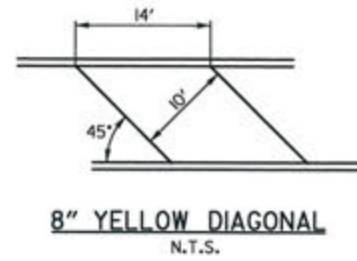
3-15-17

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	01 / 30 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-58

PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 14+00 TO STA. 19+00)

ITEM	QUANTITY
4" WHITE CONTINUOUS	707 L.F.
8" WHITE DIAGONAL	11 L.F.
4" YELLOW CONTINUOUS	610 L.F.
4" DBL. YELLOW CONTINUOUS	775 L.F.
4" YELLOW SKIP	150 L.F.
8" YELLOW DIAGONAL	137 L.F.
ARROWS	2 EACH

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 2

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBLENT

3-15-17

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02/24/17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-59

REVISIONS	DATE

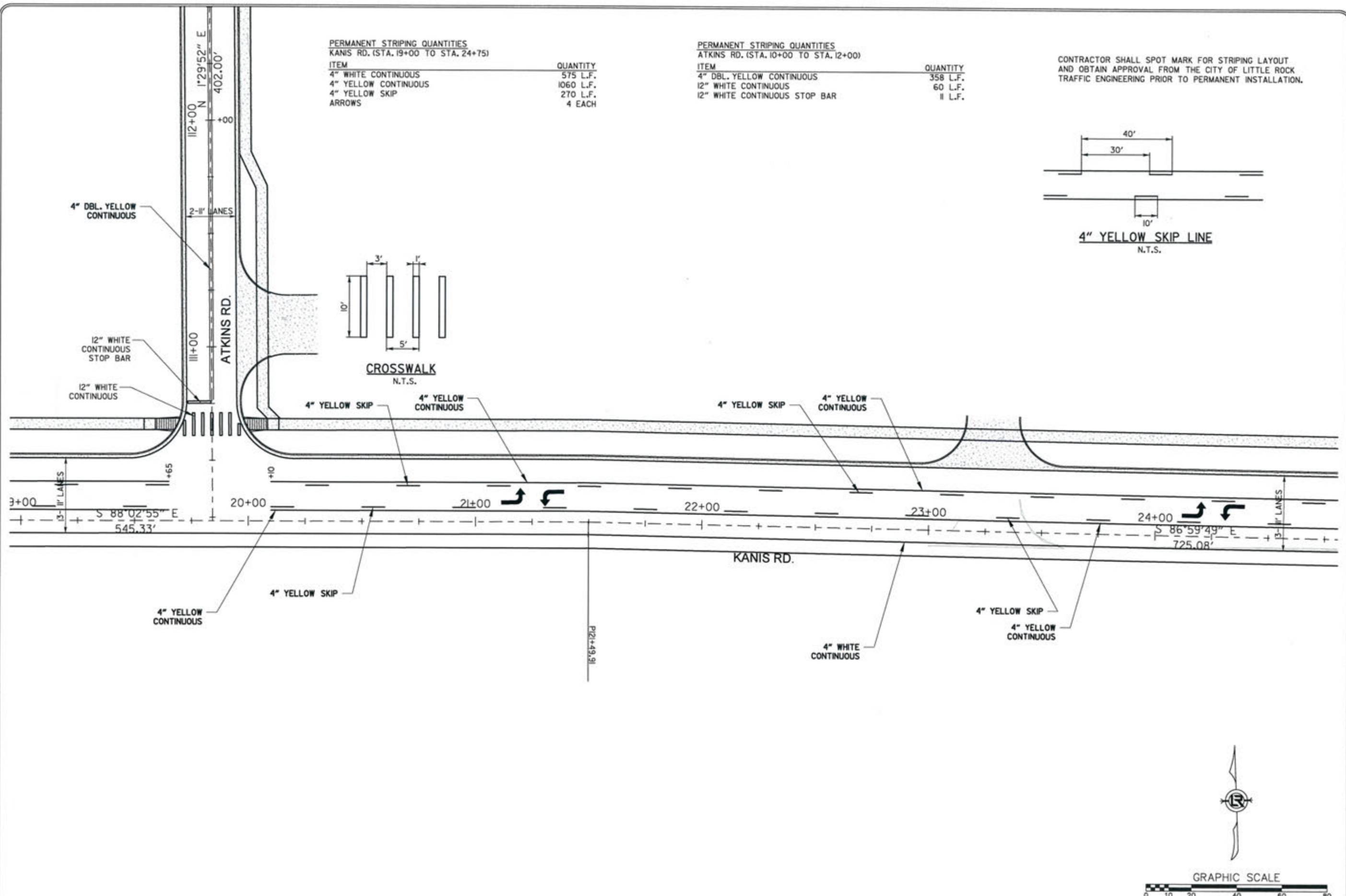
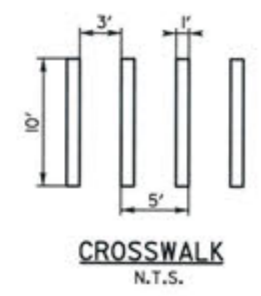
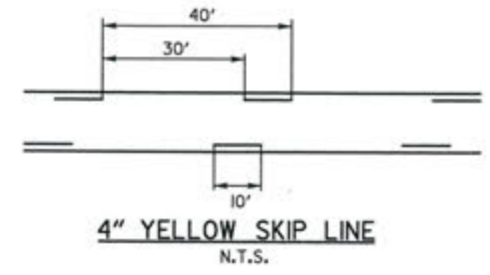
PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 19+00 TO STA. 24+75)

ITEM	QUANTITY
4" WHITE CONTINUOUS	575 L.F.
4" YELLOW CONTINUOUS	1060 L.F.
4" YELLOW SKIP	270 L.F.
ARROWS	4 EACH

PERMANENT STRIPING QUANTITIES  
ATKINS RD. (STA. 10+00 TO STA. 12+00)

ITEM	QUANTITY
4" DBL. YELLOW CONTINUOUS	358 L.F.
12" WHITE CONTINUOUS	60 L.F.
12" WHITE CONTINUOUS STOP BAR	11 L.F.

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



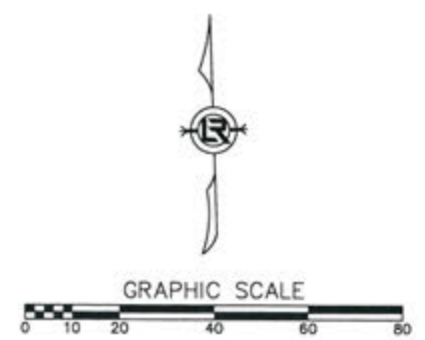
CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 3

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBLESEY

3-15-17

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-60



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 STRIPING PLAN  
 KANIS ROAD SHEET 4

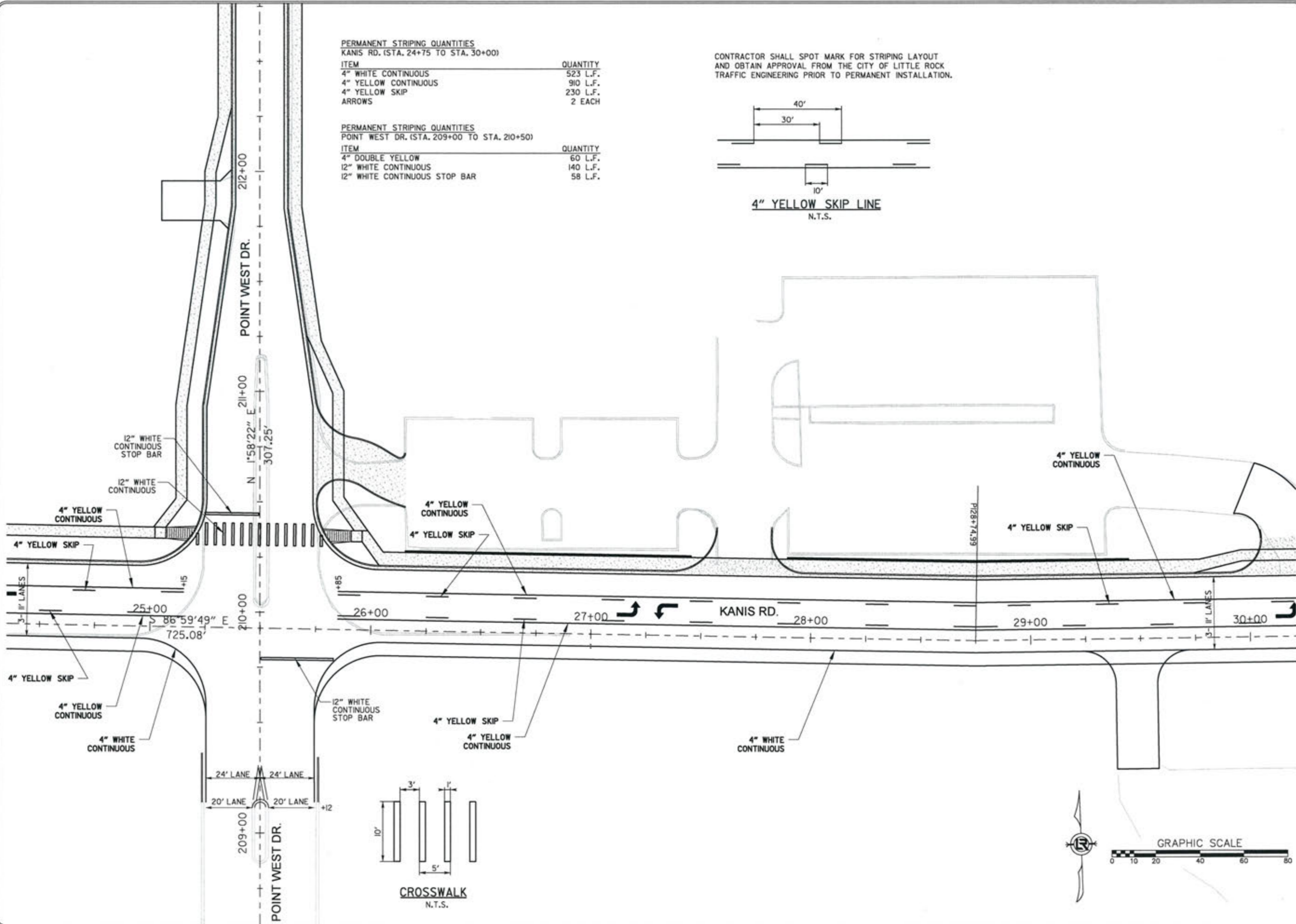
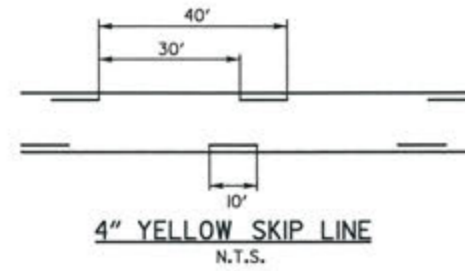
PERMANENT STRIPING QUANTITIES  
 KANIS RD. (STA. 24+75 TO STA. 30+00)

ITEM	QUANTITY
4" WHITE CONTINUOUS	523 L.F.
4" YELLOW CONTINUOUS	910 L.F.
4" YELLOW SKIP	230 L.F.
ARROWS	2 EACH

PERMANENT STRIPING QUANTITIES  
 POINT WEST DR. (STA. 209+00 TO STA. 210+50)

ITEM	QUANTITY
4" DOUBLE YELLOW	60 L.F.
12" WHITE CONTINUOUS	140 L.F.
12" WHITE CONTINUOUS STOP BAR	58 L.F.

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

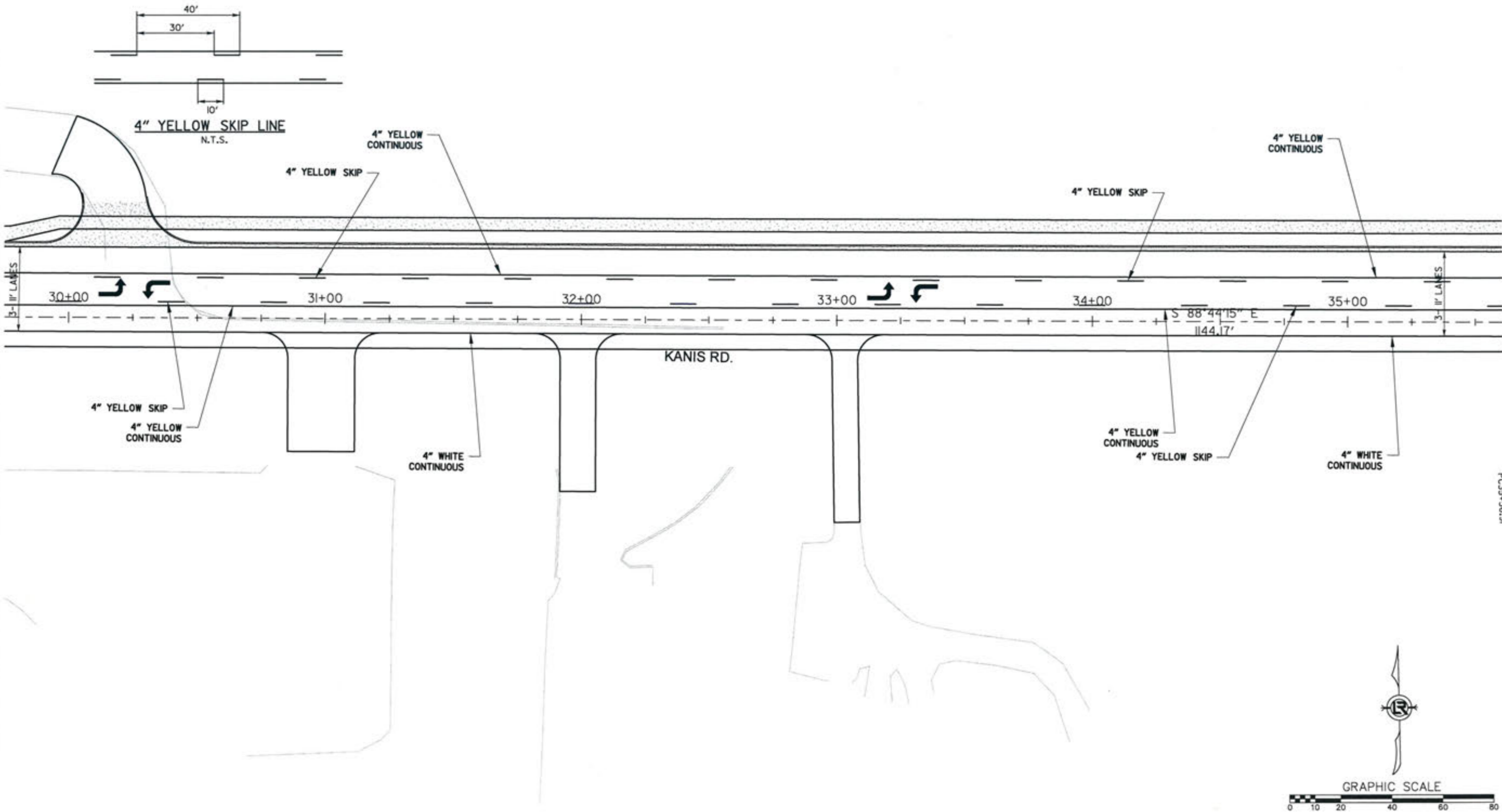
STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 KEVIN G. TOBLEBY  
 3-15-7

DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-61

REVISIONS	DATE

PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 30+00 TO STA. 35+50)

ITEM	QUANTITY
4" WHITE CONTINUOUS	550 L.F.
4" YELLOW CONTINUOUS	1100 L.F.
4" YELLOW SKIP	280 L.F.
ARROWS	4 EACH



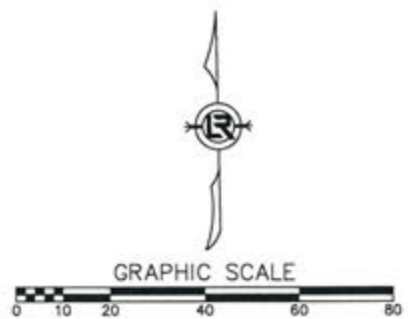
CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 5

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBLESEY

3-15-17

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-62



PC35+56.91

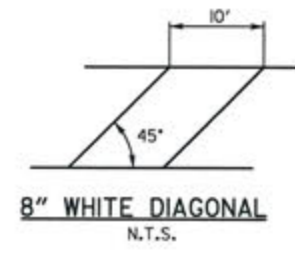
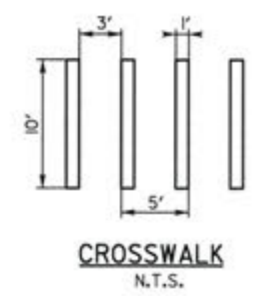
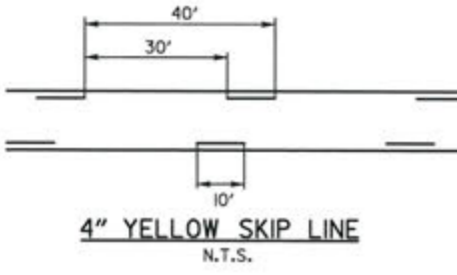
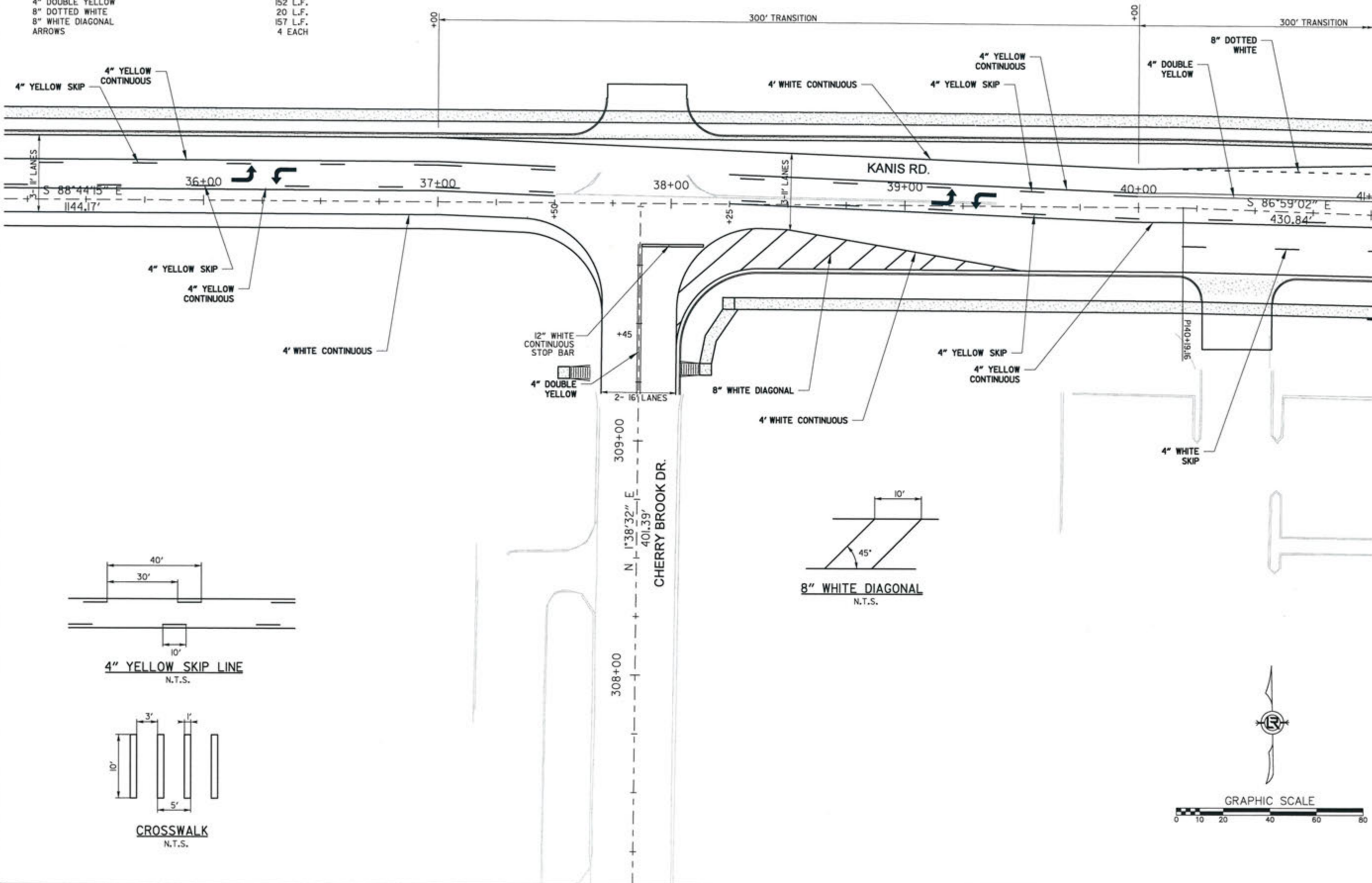
PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 35+50 TO STA. 40+75)

ITEM	QUANTITY
4" WHITE SKIP	20 L.F.
4" WHITE CONTINUOUS	825 L.F.
4" YELLOW CONTINUOUS	975 L.F.
4" YELLOW SKIP	240 L.F.
4" DOUBLE YELLOW	152 L.F.
8" DOTTED WHITE	20 L.F.
8" WHITE DIAGONAL ARROWS	157 L.F.
	4 EACH

PERMANENT STRIPING QUANTITIES  
CHERRY BROOK DR. (STA. 309+00 TO STA. 309+75)

ITEM	QUANTITY
4" DBL. YELLOW CONTINUOUS	128 L.F.
12" WHITE CONTINUOUS STOP BAR	26 L.F.

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



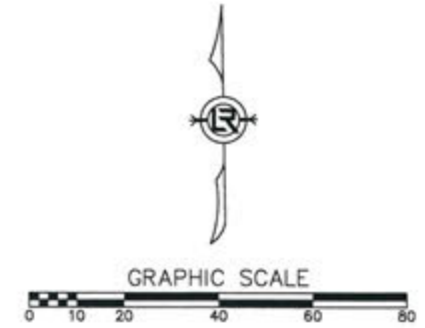
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 6

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



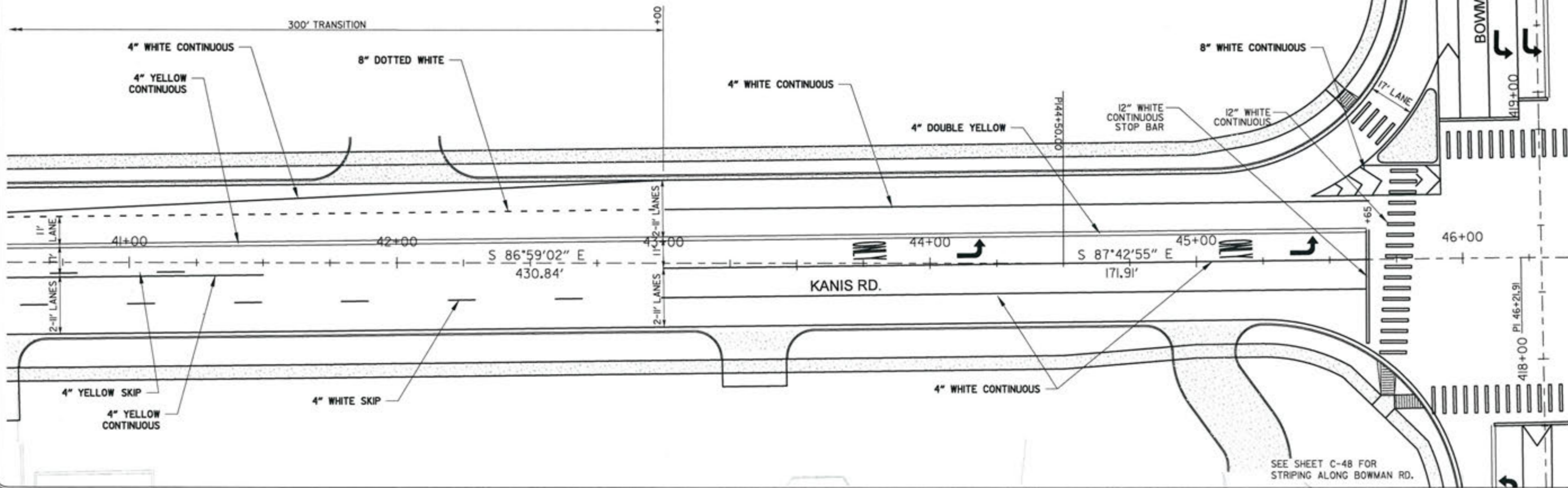
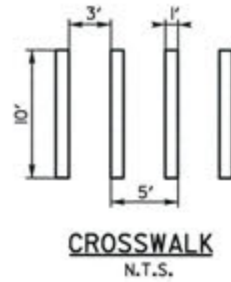
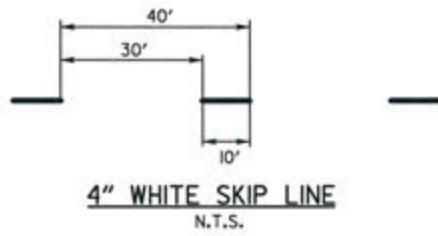
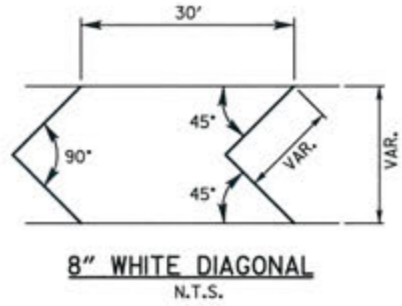
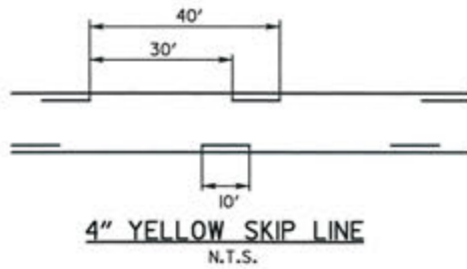
3-15-17  
DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02/24/17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-63



**PERMANENT STRIPING QUANTITIES**  
KANIS RD. (STA. 40+75 TO STA. 46+25)

ITEM	QUANTITY
4" WHITE SKIP	50 L.F.
4" WHITE CONTINUOUS	1126 L.F.
8" WHITE CONTINUOUS	54 L.F.
8" DOTTED WHITE	75 L.F.
4" DOUBLE YELLOW CONTINUOUS	980 L.F.
4" YELLOW CONTINUOUS	75 L.F.
4" YELLOW SKIP	20 L.F.
12" WHITE CONTINUOUS	180 L.F.
12" WHITE CONTINUOUS STOP BAR	42 L.F.
ARROW	2 EACH
WORD	2 EACH

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



SEE SHEET C-49 FOR STRIPING ALONG BOWMAN RD.

SEE SHEET C-48 FOR STRIPING ALONG BOWMAN RD.

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 7

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TORLESKY

3-15-17  
DRAWN BY JAB  
DESIGNED RFR  
CHECKED KGT  
DATE 02/24/17  
SCALE 1" = 40'  
PROJECT NO. 13-B-5D-6A  
SHEET NO. C-64

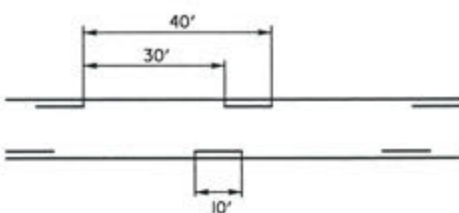


REVISIONS	DATE

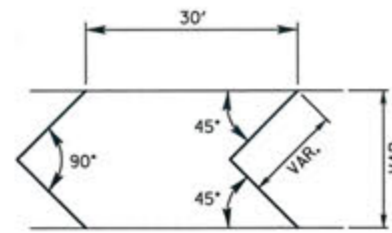
**PERMANENT STRIPING QUANTITIES**  
KANIS RD. (STA. 46+25 TO STA. 51+50)

ITEM	QUANTITY
4" WHITE CONTINUOUS	625 L.F.
4" WHITE SKIP	190 L.F.
8" WHITE CONTINUOUS	55 L.F.
4" DOUBLE YELLOW CONTINUOUS	905 L.F.
4" YELLOW CONTINUOUS	244 L.F.
4" YELLOW SKIP	60 L.F.
12" WHITE CONTINUOUS	170 L.F.
12" WHITE CONTINUOUS STOP BAR	22 L.F.
ARROW	6 EACH
WORD	4 EACH

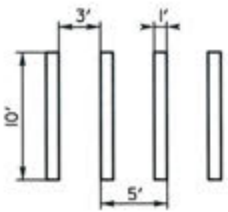
CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



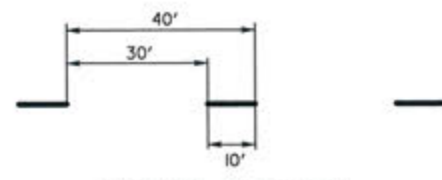
**4" YELLOW SKIP LINE**  
N.T.S.



**8" WHITE DIAGONAL**  
N.T.S.



**CROSSWALK**  
N.T.S.

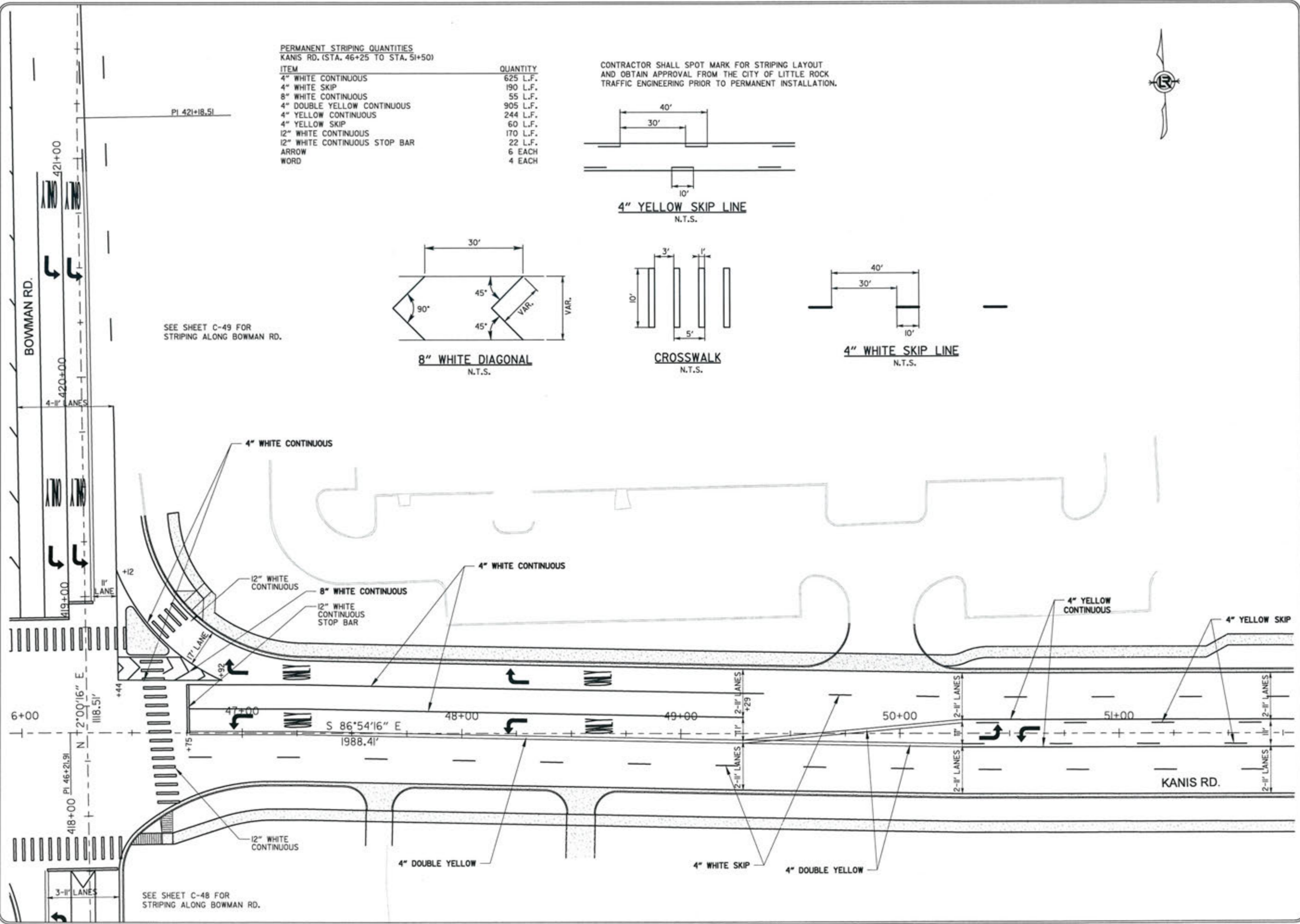


**4" WHITE SKIP LINE**  
N.T.S.



SEE SHEET C-49 FOR STRIPING ALONG BOWMAN RD.

SEE SHEET C-48 FOR STRIPING ALONG BOWMAN RD.



CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 8



DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



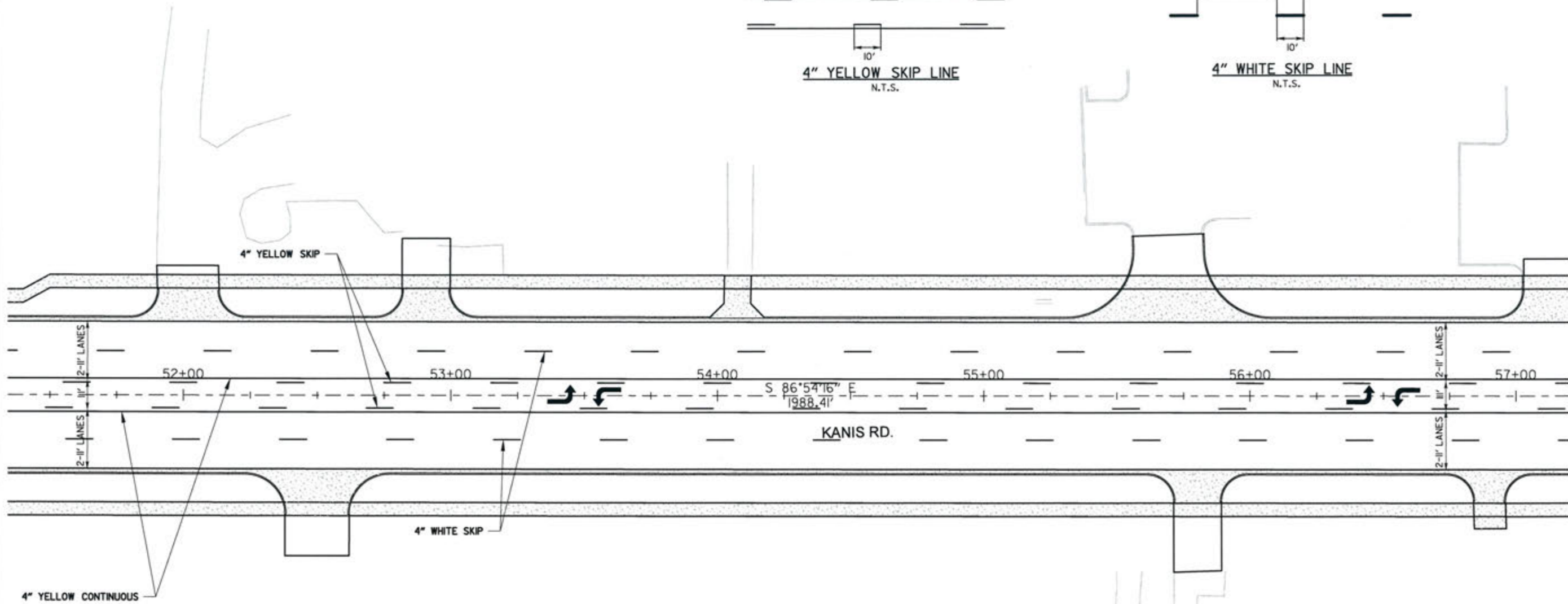
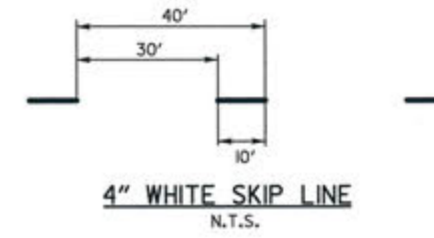
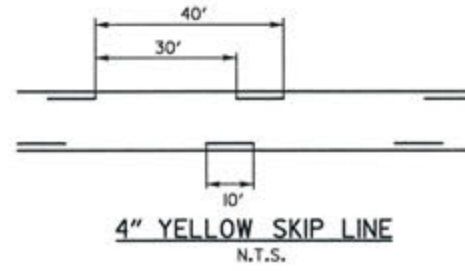
STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBIAS

DRAWN BY JAB  
DESIGNED RFR  
CHECKED KGT  
DATE 02 / 24 / 17  
SCALE 1" = 40'  
PROJECT NO. 13-B-SD-6A  
SHEET NO. C-65

PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 51+50 TO STA. 57+00)

ITEM	QUANTITY
4" WHITE SKIP	280 L.F.
4" YELLOW CONTINUOUS	100 L.F.
4" YELLOW SKIP	280 L.F.

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 9



DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



9-15-17

DRAWN BY JAB
DESIGNED RFR
CHECKED KGT
DATE 02/24/17
SCALE 1" = 40'
PROJECT NO. 13-B-5D-6A
SHEET NO. C-66

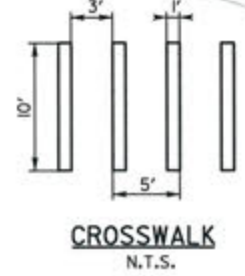
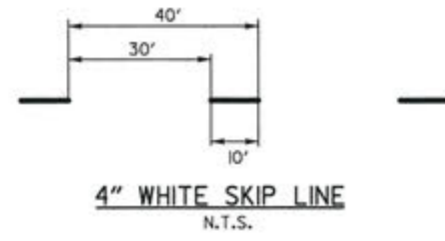
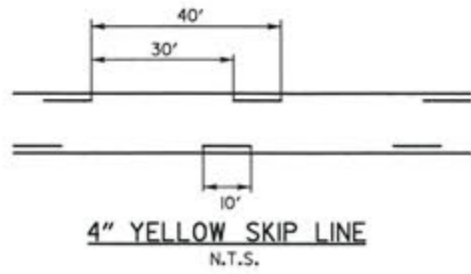
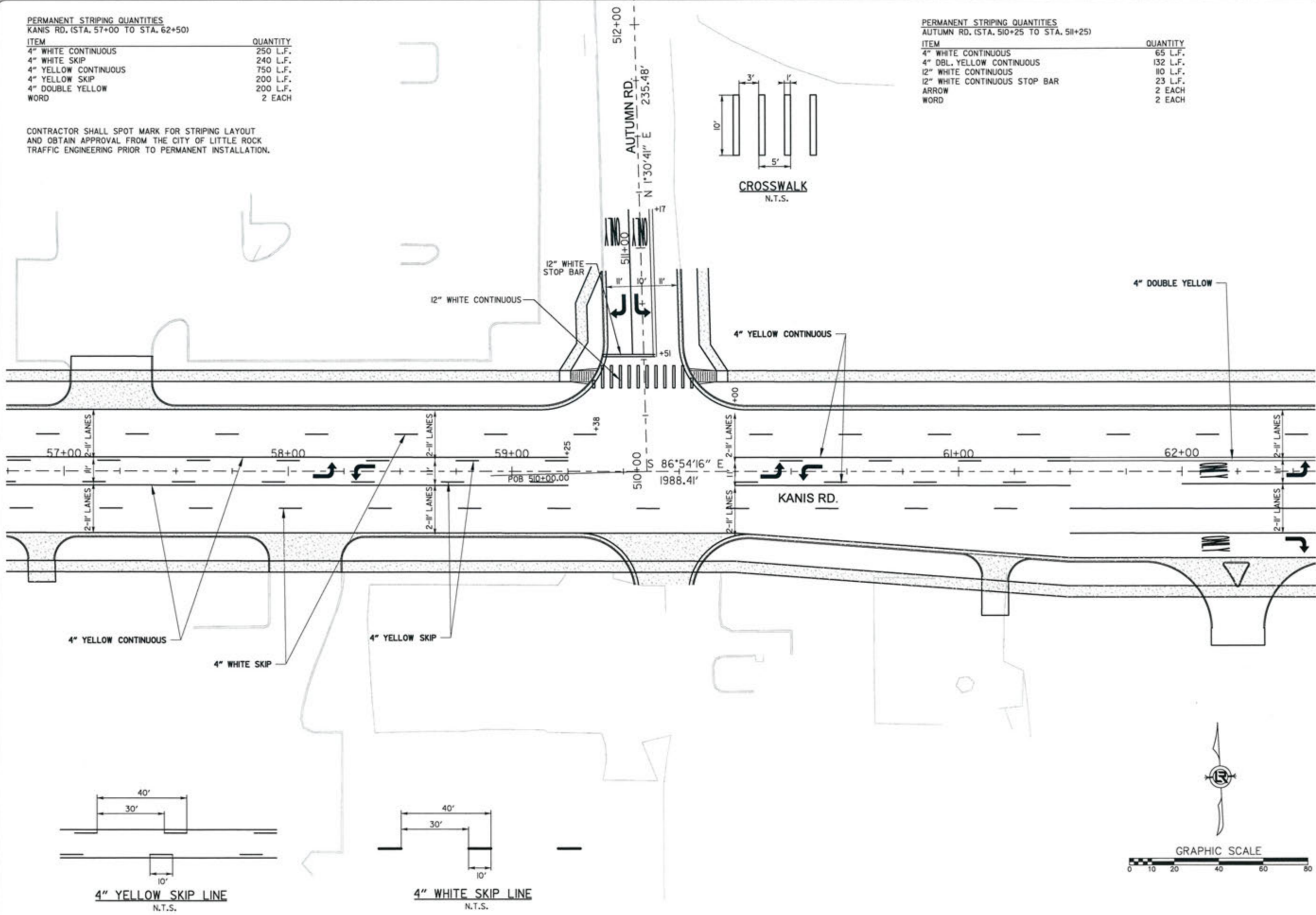
**PERMANENT STRIPING QUANTITIES**  
KANIS RD. (STA. 57+00 TO STA. 62+50)

ITEM	QUANTITY
4" WHITE CONTINUOUS	250 L.F.
4" WHITE SKIP	240 L.F.
4" YELLOW CONTINUOUS	750 L.F.
4" YELLOW SKIP	200 L.F.
4" DOUBLE YELLOW	200 L.F.
WORD	2 EACH

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.

**PERMANENT STRIPING QUANTITIES**  
AUTUMN RD. (STA. 510+25 TO STA. 511+25)

ITEM	QUANTITY
4" WHITE CONTINUOUS	65 L.F.
4" DBL. YELLOW CONTINUOUS	132 L.F.
12" WHITE CONTINUOUS	110 L.F.
12" WHITE CONTINUOUS STOP BAR	23 L.F.
ARROW	2 EACH
WORD	2 EACH



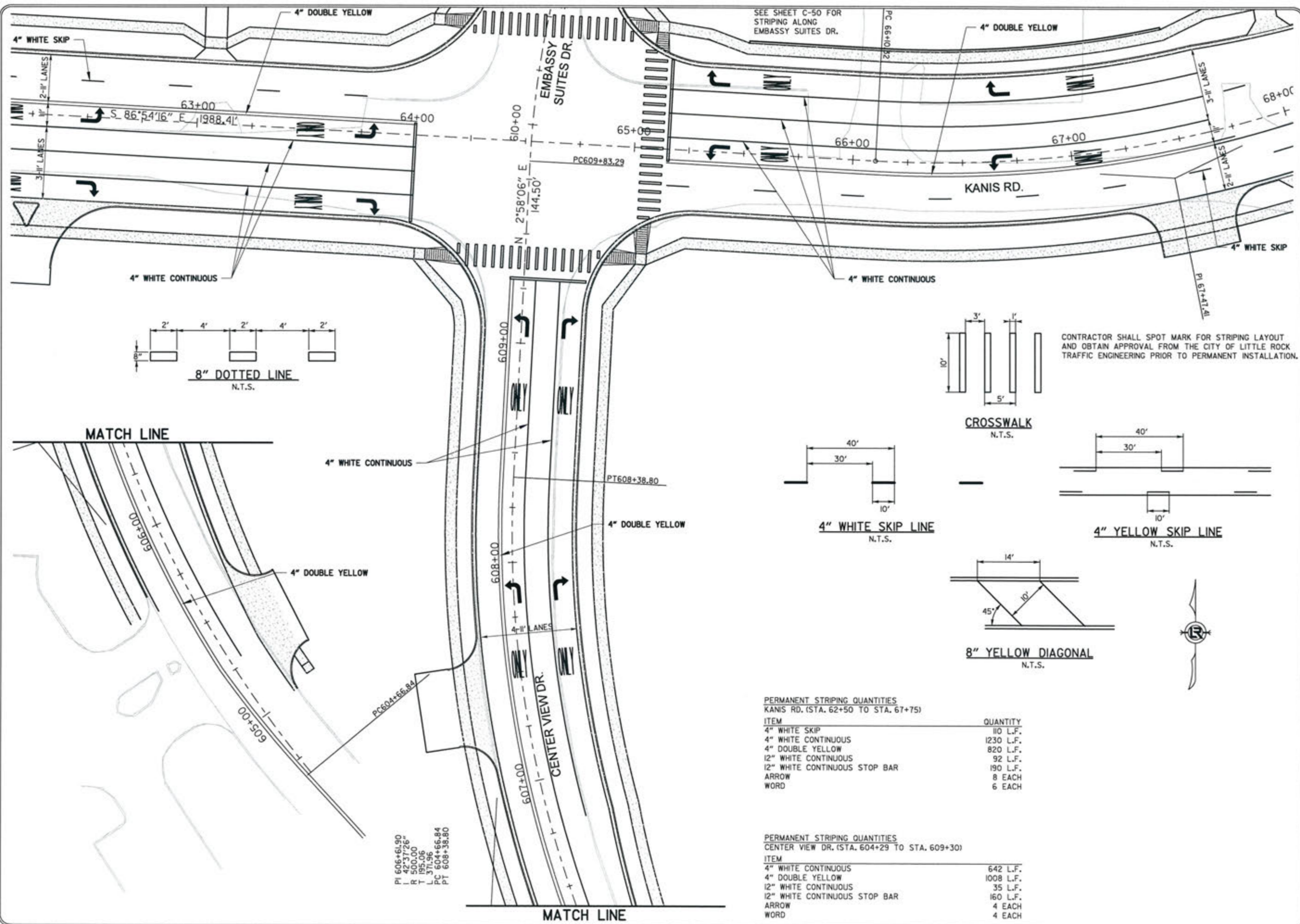
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 10

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
TREVIN G. TOBLEBEE

3-15-17  
DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02 / 24 / 17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-67



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 11

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

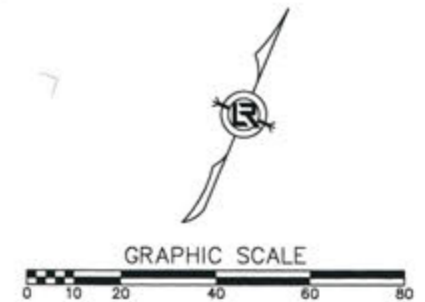
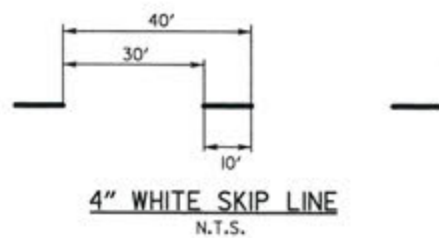
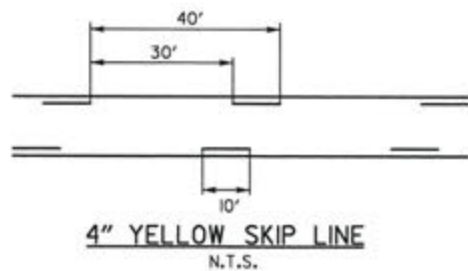
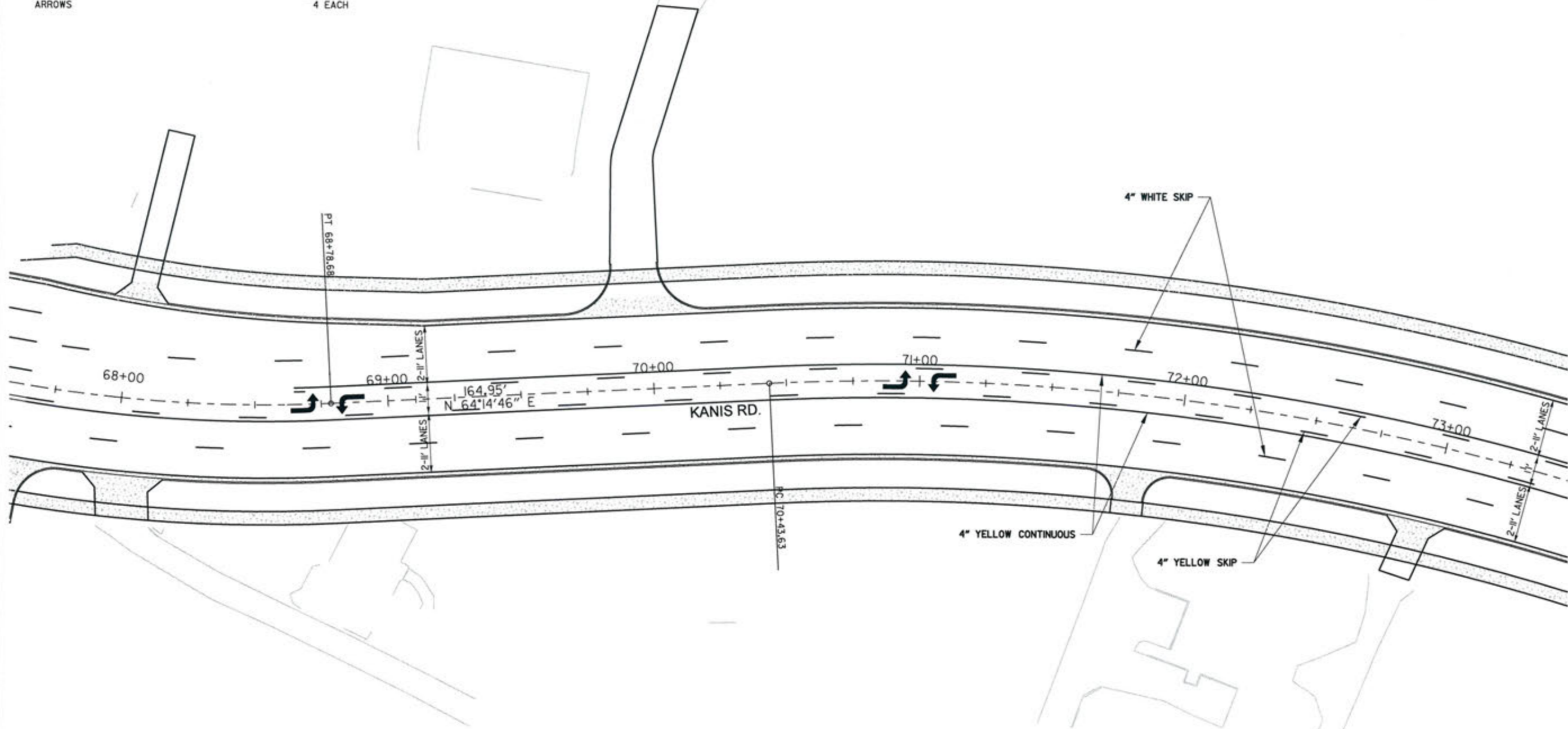
STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
LEVIN G. TOBLEBY

3-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02/24/17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-68

PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 67+75 TO STA. 73+25)

ITEM	QUANTITY
4" WHITE SKIP	290 L.F.
4" YELLOW CONTINUOUS	1010 L.F.
4" YELLOW SKIP	260 L.F.
ARROWS	4 EACH



REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 12

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBLESKY

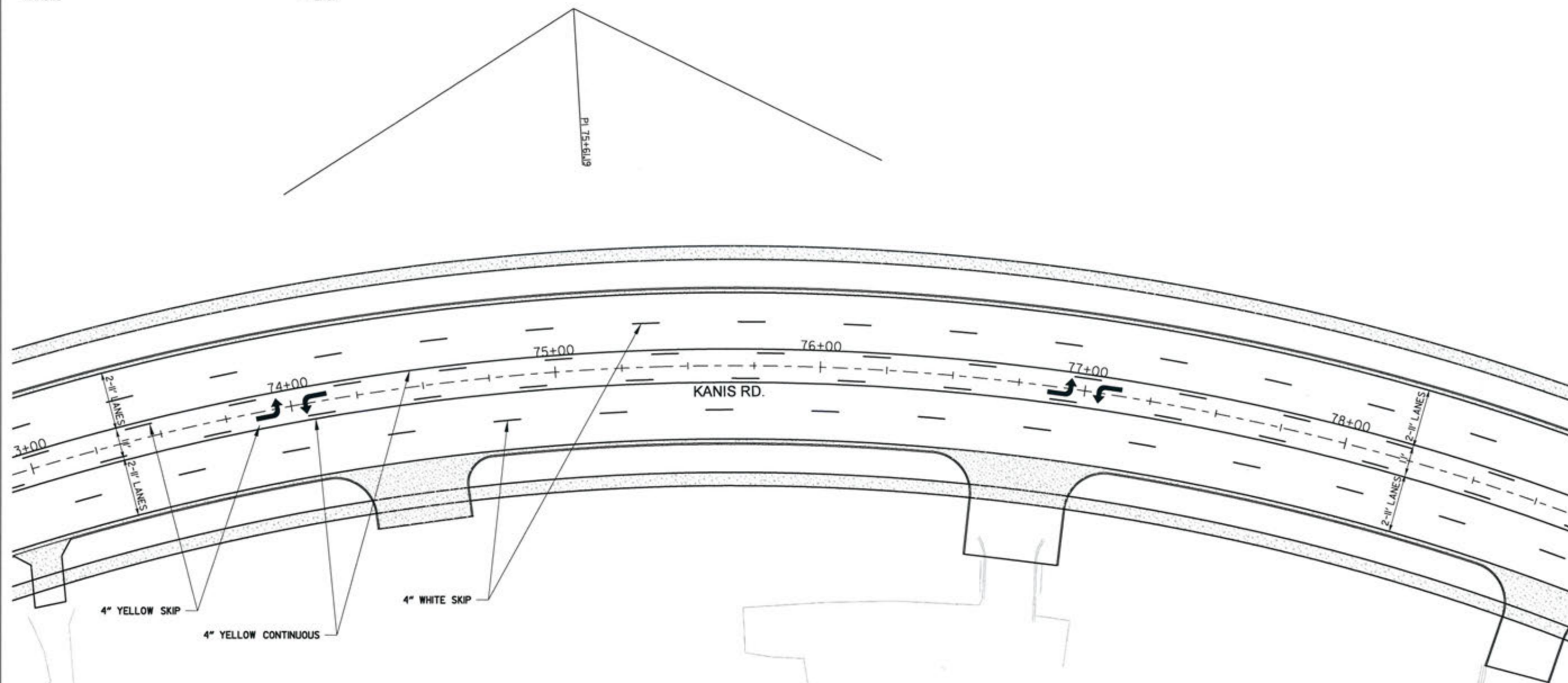
DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02/24/17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-69

PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 73+25 TO STA. 78+50)

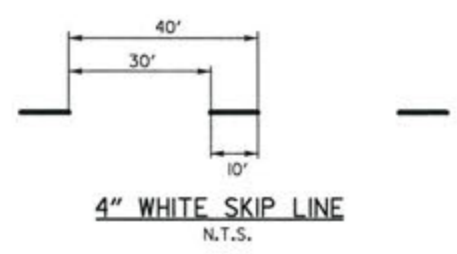
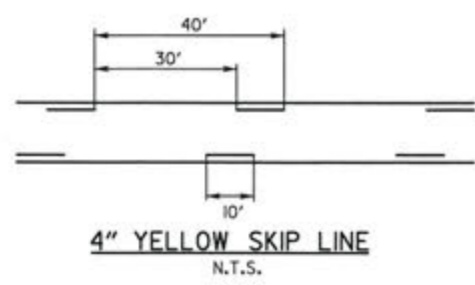

ITEM	QUANTITY
4" WHITE SKIP	260 L.F.
4" YELLOW CONTINUOUS	1050 L.F.
4" YELLOW SKIP	260 L.F.
ARROWS	4 EACH

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 13



DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

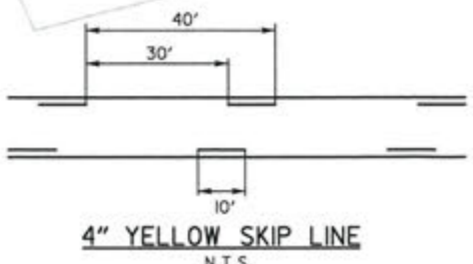
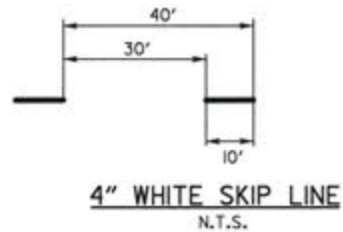
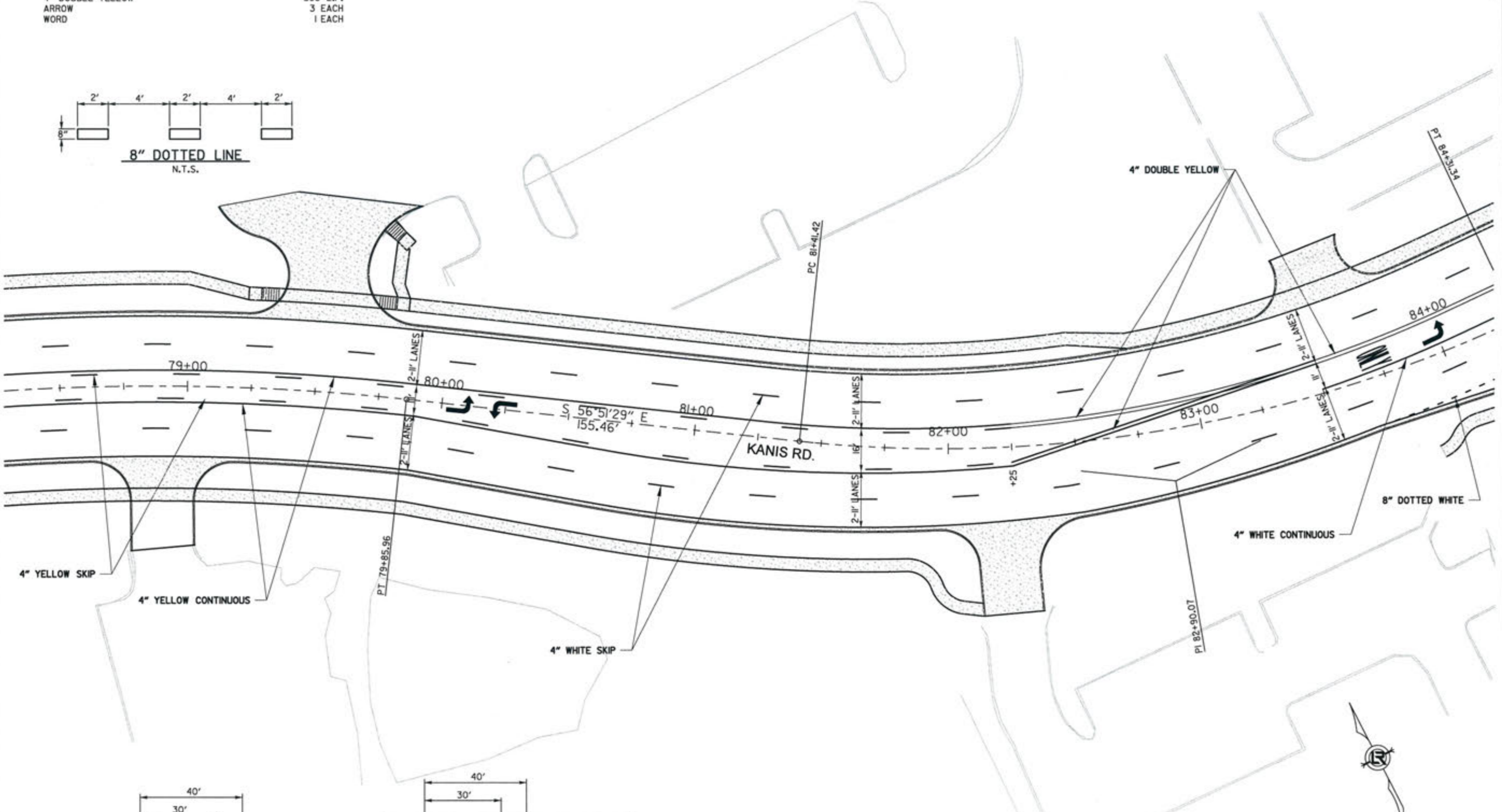
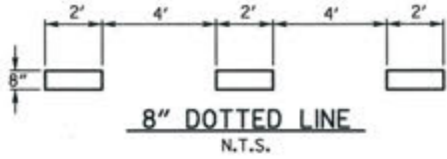
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3-15-17  
DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02 / 24 / 17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-70

PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 78+50 TO STA. 84+00)

ITEM	QUANTITY
4" WHITE SKIP	280 L.F.
4" WHITE CONTINUOUS	124 L.F.
8" WHITE DOTTED	12 L.F.
4" YELLOW CONTINUOUS	750 L.F.
4" YELLOW SKIP	180 L.F.
4" DOUBLE YELLOW	590 L.F.
ARROW	3 EACH
WORD	1 EACH

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 14

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

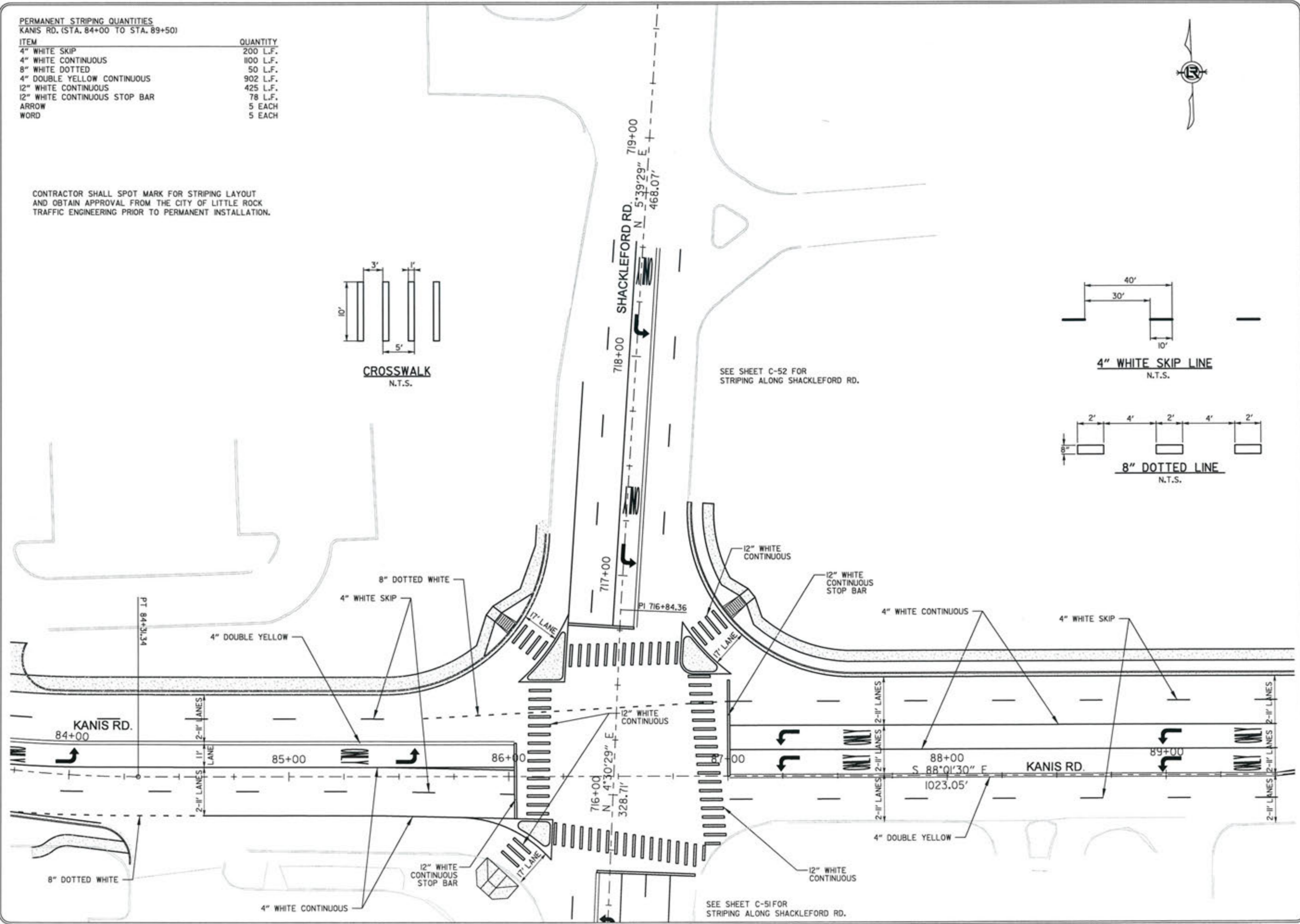
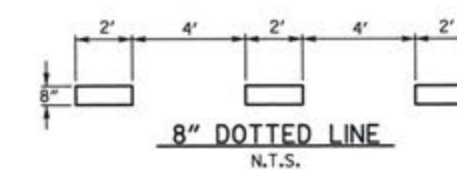
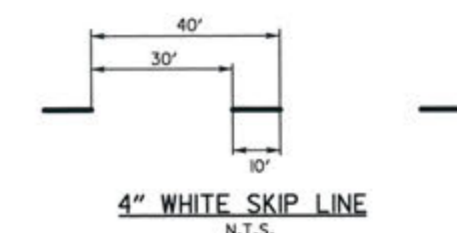
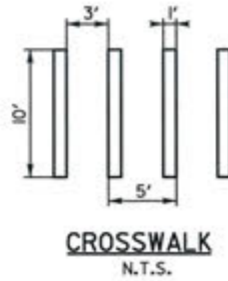
STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11437  
KEVIN G. TOBLESKY

DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02 / 24 / 17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-71

PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 84+00 TO STA. 89+50)

ITEM	QUANTITY
4" WHITE SKIP	200 L.F.
4" WHITE CONTINUOUS	1100 L.F.
8" WHITE DOTTED	50 L.F.
4" DOUBLE YELLOW CONTINUOUS	902 L.F.
12" WHITE CONTINUOUS	425 L.F.
12" WHITE CONTINUOUS STOP BAR	78 L.F.
ARROW	5 EACH
WORD	5 EACH

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



SEE SHEET C-52 FOR STRIPING ALONG SHACKLEFORD RD.

SEE SHEET C-51 FOR STRIPING ALONG SHACKLEFORD RD.

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 15

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOLBECK

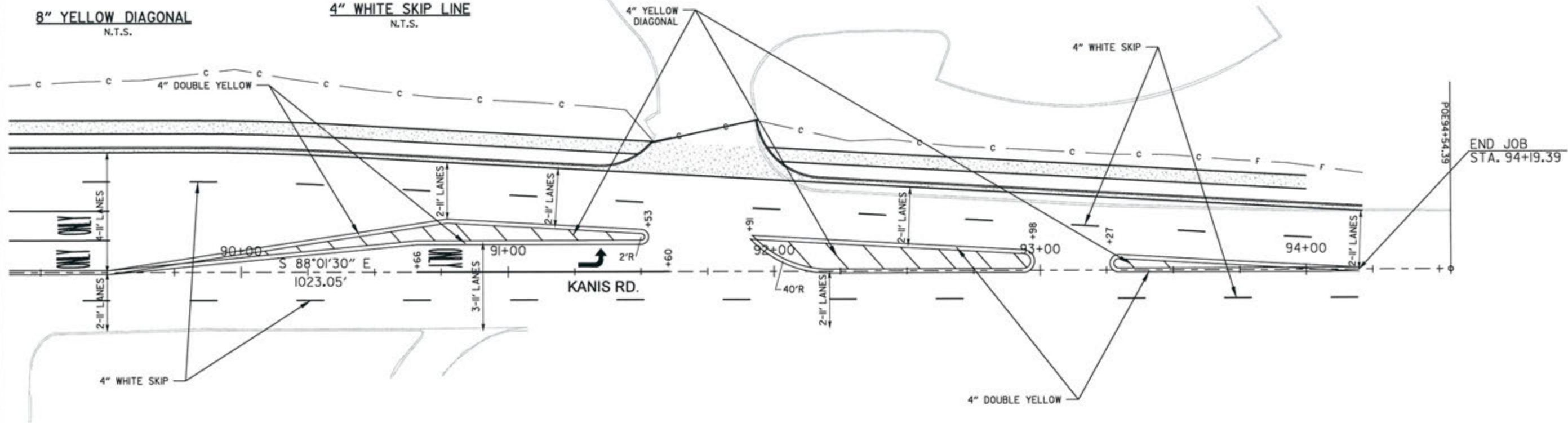
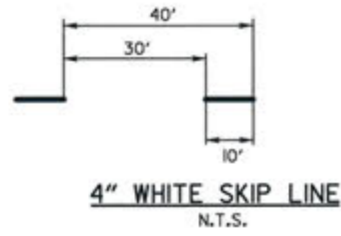
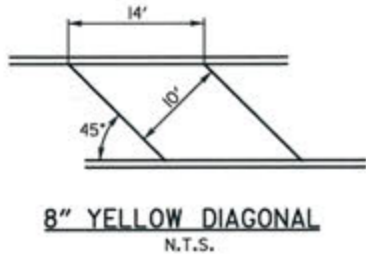
DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-72



PERMANENT STRIPING QUANTITIES  
KANIS RD. (STA. 89+50 TO STA. 94+19.39)

ITEM	QUANTITY
4" WHITE SKIP	220 L.F.
4" WHITE CONTINUOUS	95 L.F.
4" DOUBLE YELLOW CONTINUOUS	1692 L.F.
8" YELLOW DIAGONAL	140 L.F.
ARROW	1 EACH
WORD	1 EACH

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
KANIS ROAD SHEET 16

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
ERVIN G. TOBIAS

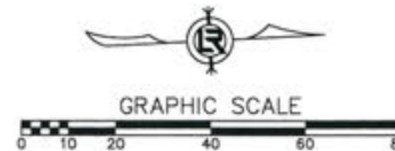
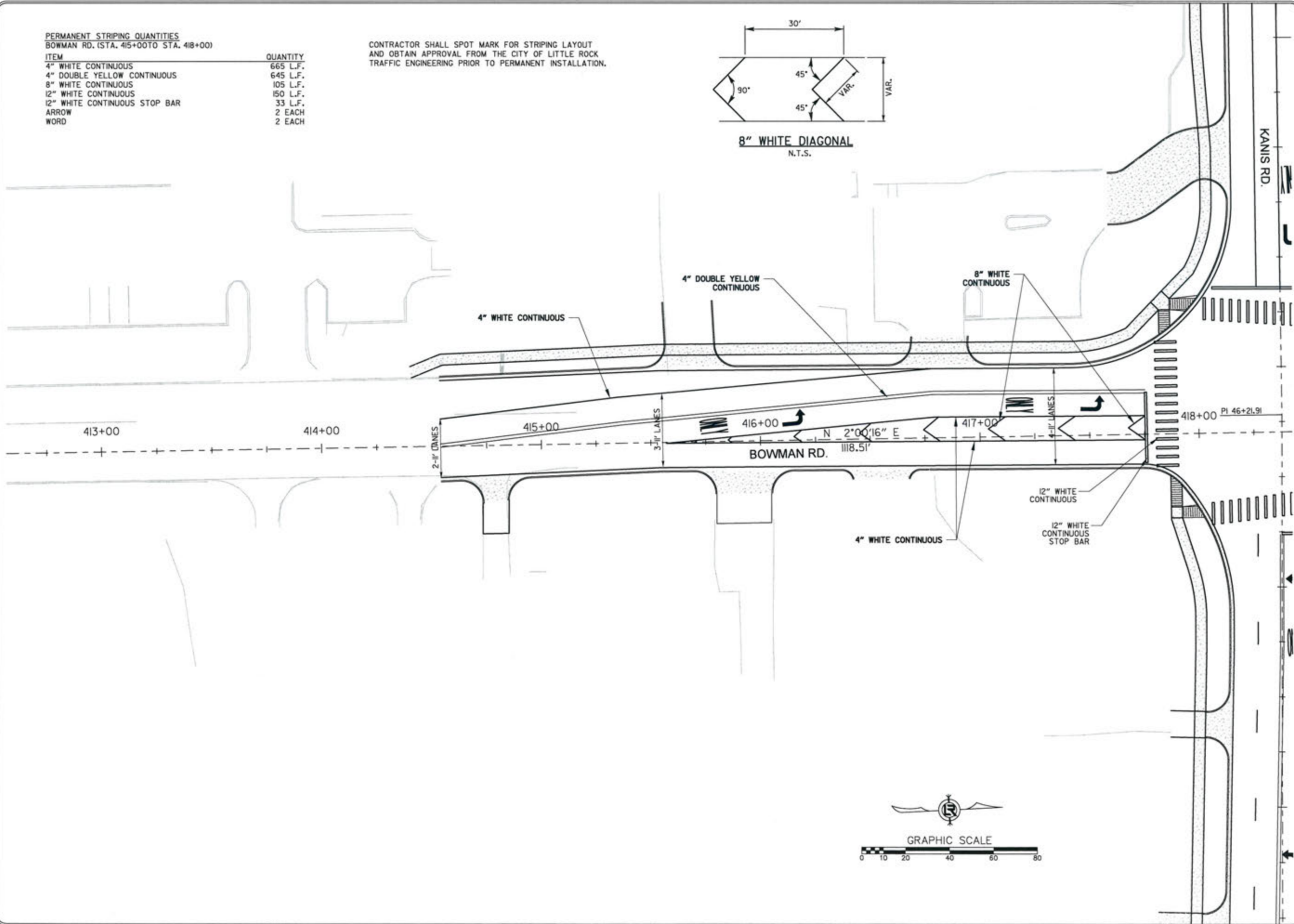
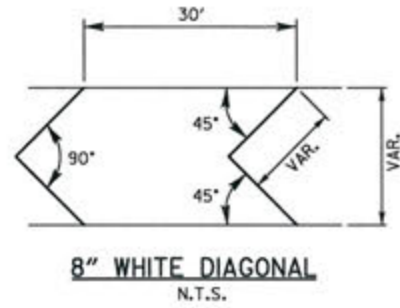
3-15-17

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-SD-6A
SHEET NO.	C-73

PERMANENT STRIPING QUANTITIES  
BOWMAN RD. (STA. 415+00 TO STA. 418+00)

ITEM	QUANTITY
4" WHITE CONTINUOUS	665 L.F.
4" DOUBLE YELLOW CONTINUOUS	645 L.F.
8" WHITE CONTINUOUS	105 L.F.
12" WHITE CONTINUOUS	150 L.F.
12" WHITE CONTINUOUS STOP BAR	33 L.F.
ARROW	2 EACH
WORD	2 EACH

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
BOWMAN ROAD SHEET 1

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBIASSETT

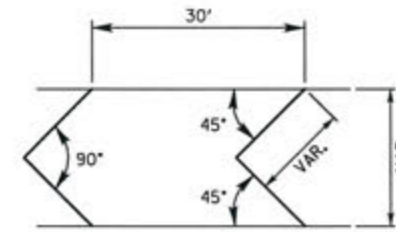
3-15-17

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-74

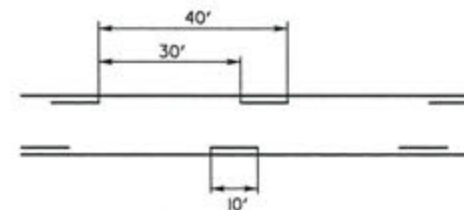
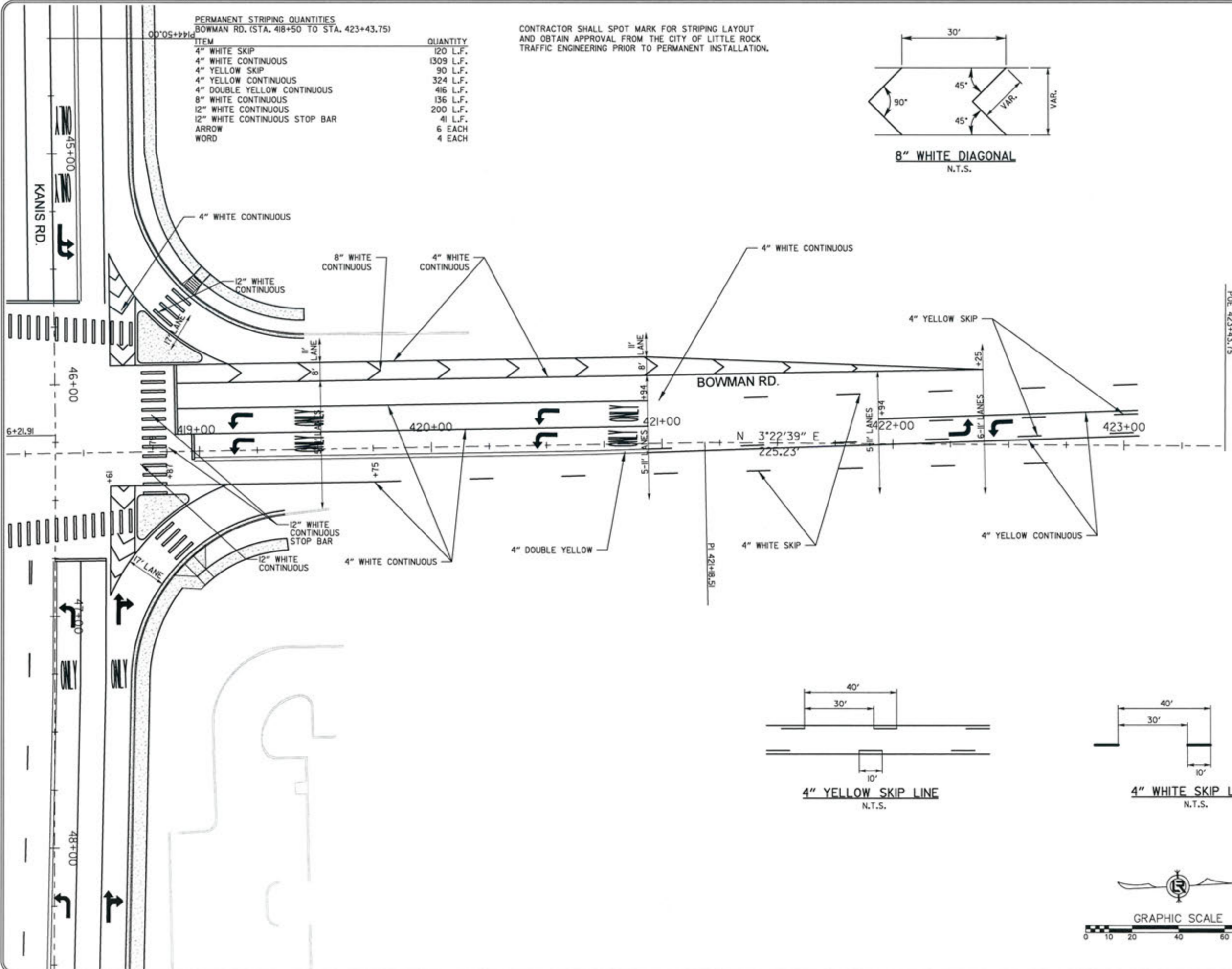
**PERMANENT STRIPING QUANTITIES**  
BOWMAN RD. (STA. 418+50 TO STA. 423+43.75)

ITEM	QUANTITY
4" WHITE SKIP	120 L.F.
4" WHITE CONTINUOUS	1309 L.F.
4" YELLOW SKIP	90 L.F.
4" YELLOW CONTINUOUS	324 L.F.
4" DOUBLE YELLOW CONTINUOUS	416 L.F.
8" WHITE CONTINUOUS	136 L.F.
12" WHITE CONTINUOUS	200 L.F.
12" WHITE CONTINUOUS STOP BAR	41 L.F.
ARROW	6 EACH
WORD	4 EACH

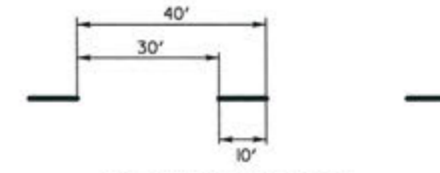
CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



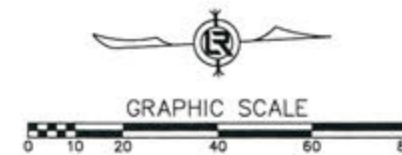
**8" WHITE DIAGONAL**  
N.T.S.



**4" YELLOW SKIP LINE**  
N.T.S.



**4" WHITE SKIP LINE**  
N.T.S.



REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
BOWMAN ROAD SHEET 2

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

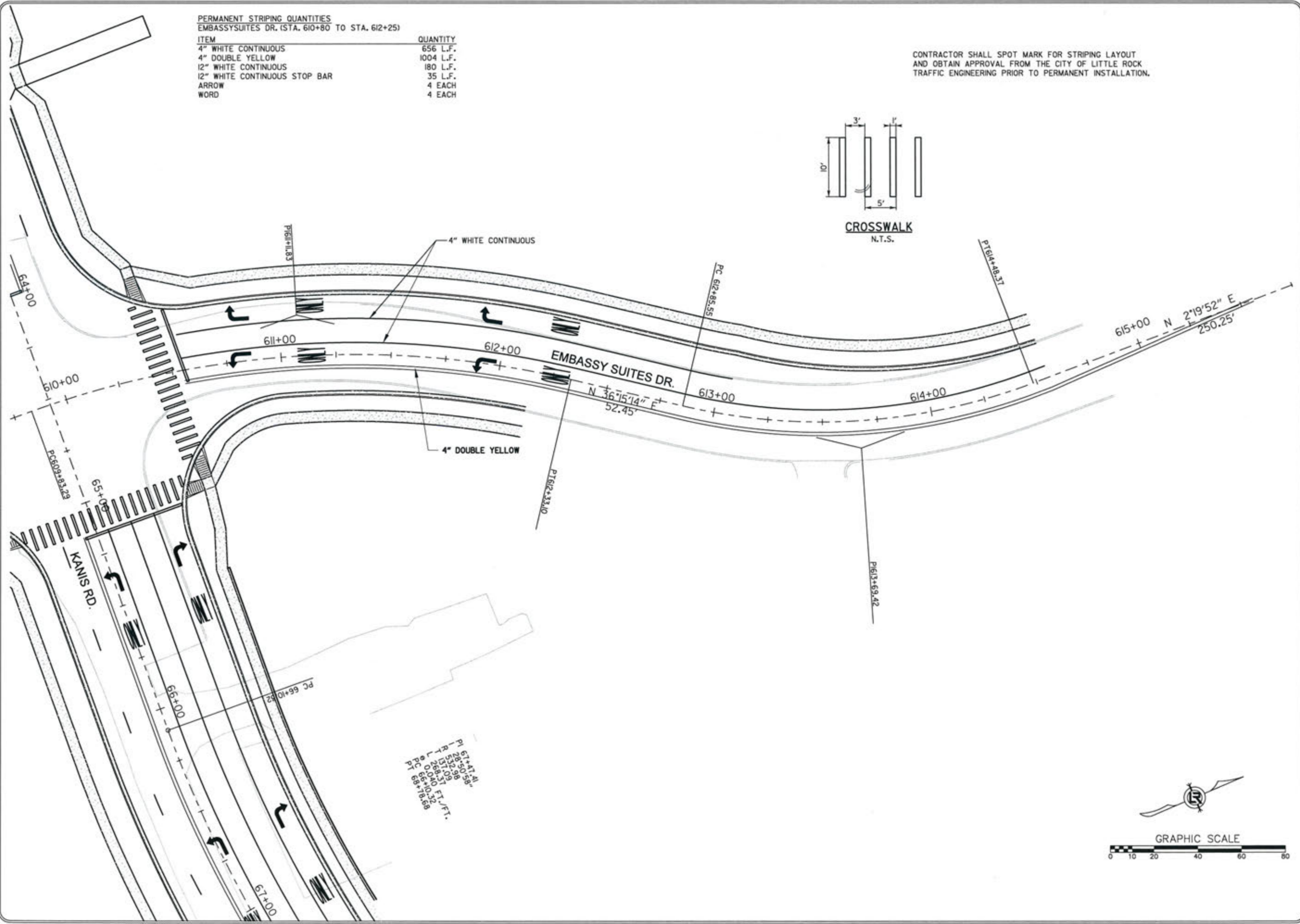
STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBIAS

3-15-17  
DRAWN BY JAB  
DESIGNED RFR  
CHECKED KGT  
DATE 02/24/17  
SCALE 1" = 40'  
PROJECT NO. 13-B-5D-6A  
SHEET NO. C-75

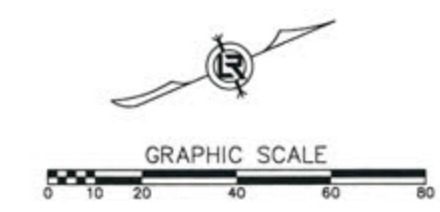
PERMANENT STRIPING QUANTITIES  
EMBASSYSUITES DR. (STA. 610+80 TO STA. 612+25)

ITEM	QUANTITY
4" WHITE CONTINUOUS	656 L.F.
4" DOUBLE YELLOW	1004 L.F.
12" WHITE CONTINUOUS	180 L.F.
12" WHITE CONTINUOUS STOP BAR	35 L.F.
ARROW	4 EACH
WORD	4 EACH

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



PI 67+47.14  
L 2850.98  
R 1520.9  
L 171.51  
L 268.0  
L 0.0  
L 66+10.32  
L 68+18.68  
PC 66+10.32  
PT 66+10.32



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
EMBASSY SUITES

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

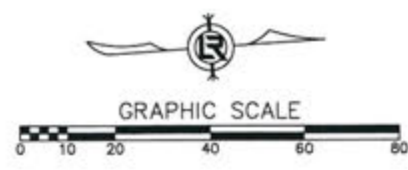
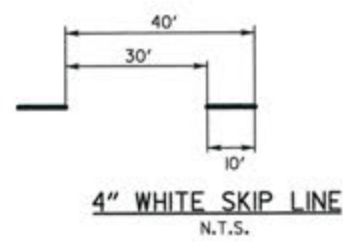
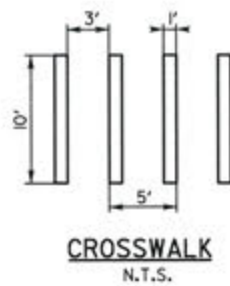
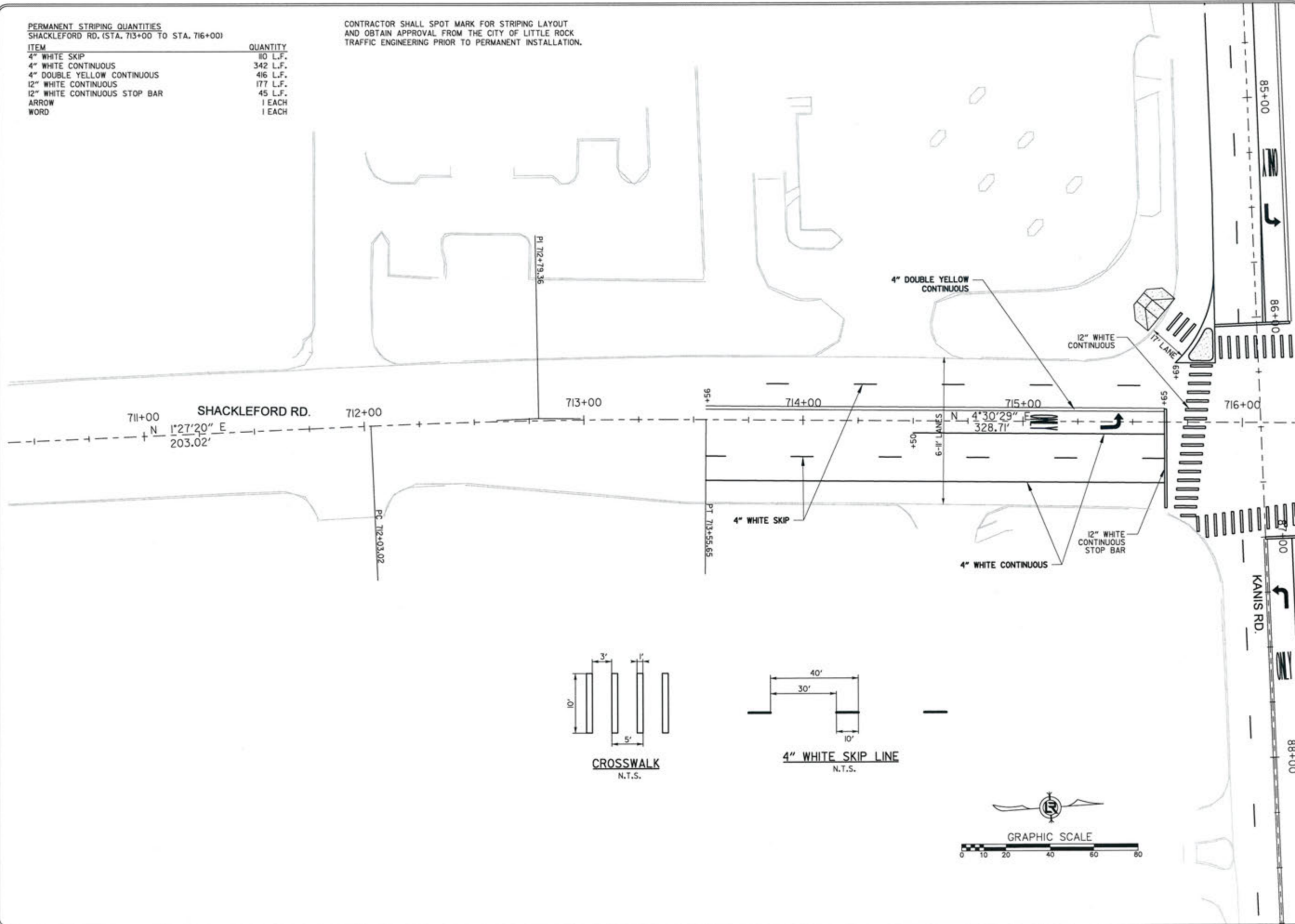
STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
ERVIN G. TOBLESKY

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-76

**PERMANENT STRIPING QUANTITIES**  
SHACKLEFORD RD. (STA. 713+00 TO STA. 716+00)

ITEM	QUANTITY
4" WHITE SKIP	80 L.F.
4" WHITE CONTINUOUS	342 L.F.
4" DOUBLE YELLOW CONTINUOUS	416 L.F.
12" WHITE CONTINUOUS	177 L.F.
12" WHITE CONTINUOUS STOP BAR	45 L.F.
ARROW	1 EACH
WORD	1 EACH

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
SHACKLEFORD ROAD SHEET 1

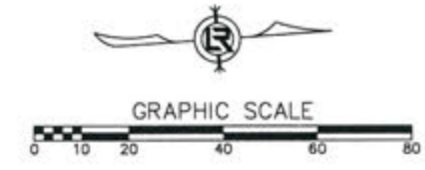
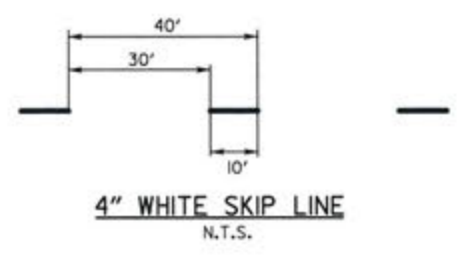
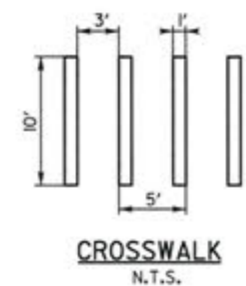
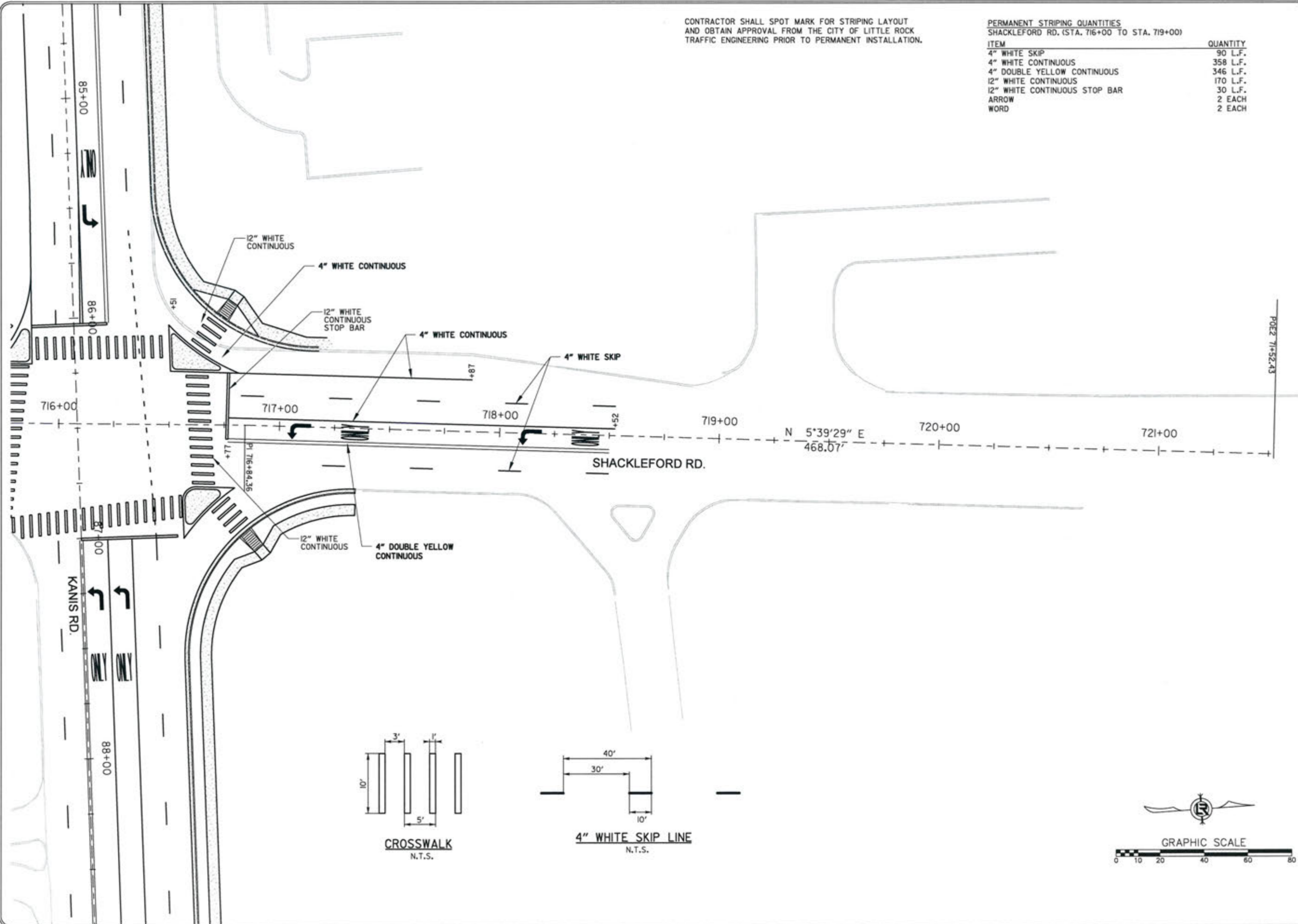
DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 1147  
ERIN G. TOMLINSKY

DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02 / 24 / 17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-77

CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM THE CITY OF LITTLE ROCK TRAFFIC ENGINEERING PRIOR TO PERMANENT INSTALLATION.

PERMANENT STRIPING QUANTITIES SHACKLEFORD RD. (STA. 716+00 TO STA. 719+00)	
ITEM	QUANTITY
4" WHITE SKIP	90 L.F.
4" WHITE CONTINUOUS	358 L.F.
4" DOUBLE YELLOW CONTINUOUS	346 L.F.
12" WHITE CONTINUOUS	170 L.F.
12" WHITE CONTINUOUS STOP BAR	30 L.F.
ARROW	2 EACH
WORD	2 EACH



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
STRIPING PLAN  
SHACKLEFORD ROAD SHEETS 2

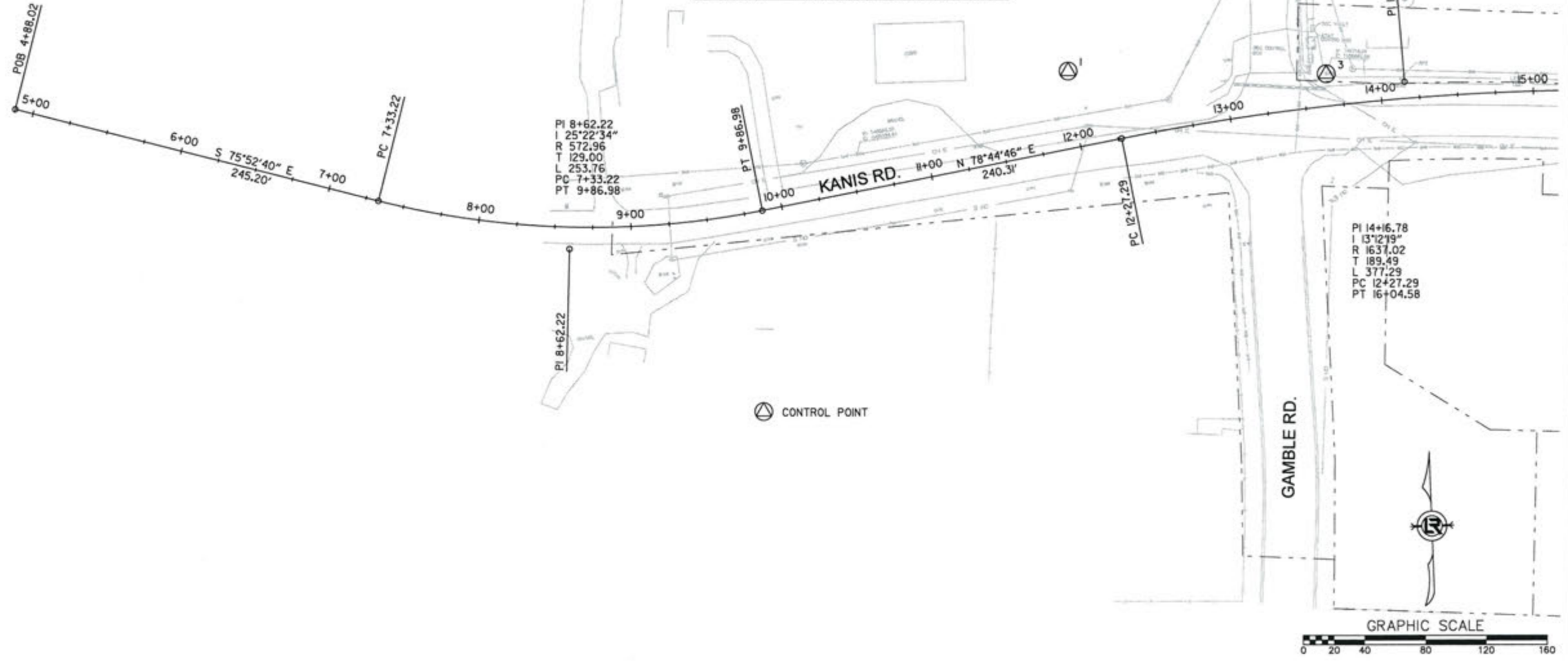
DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11-027  
KEVIN G. TOBLER

3-15-17  
DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
02 / 24 / 17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
**C-78**

C.L. KANIS RD. COORDINATES			
STATION	TYPE	NORTHING	EASTING
4+90.84	POB	149695.0734	1185833.0496
7+33.22	PC	149635.2467	1186070.8419
8+62.22	PI	149603.7732	1186195.9390
9+86.98	PT	149628.9477	1186322.4542
12+27.29	PC	149675.8469	1186558.1480
14+16.78	PI	149712.8264	1186743.9900
16+04.58	PT	149706.3744	1186933.3656
21+49.91	PI	149687.8061	1187478.3749
28+74.99	PI	149649.8193	1188202.4583
40+19.16	PI	149624.6087	1189346.3536
44+50.00	PI	149601.9397	1189776.5930
46+21.91	PI	149595.0868	1189948.3654
66+10.32	PC	149487.7145	1191933.8733
67+47.41	PI	149480.3117	1192070.7649
68+78.68	PT	149539.8789	1192194.2391
70+43.63	PC	149611.5486	1192342.7999
75+61.19	PI	149836.4327	1192808.9515
79+85.96	PT	149553.4745	1193242.3161
81+41.42	PC	149468.4830	1193372.4849
82+90.07	PI	149387.2164	1193496.9488
84+31.34	PT	149382.0936	1193645.5063
94+54.39	POE	149346.8363	1194667.9419

SURVEY BENCHMARKS				
NO.	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	PAGIS2054-184	149129.0076	1186639.5959	462.160
2	PAGIS2054-185	148691.0071	1186624.8279	452.428
3	TRAV 60P	149718.0147	1186692.5577	483.725
4	TRAV 60P	149725.9743	1187069.0973	472.623
5	TRAV 60P	149705.8152	1187331.3211	452.689
6	TRAV 60P	149677.4253	1187829.4681	471.152
7	TRAV 60P	149275.2004	1187889.3399	441.687
8	TRAV 60P	149957.8046	1187907.9976	485.302
9	TRAV 60P	149597.4308	1188552.9399	496.669
10	TRAV 60P	149631.2593	1189224.1673	482.334
11	TRAV 60P	149564.6776	1189085.1877	482.942
12	TRAV 60P	149785.2316	1189300.5021	496.331
13	TRAV 60P	149706.9303	1189850.6112	457.170
14	PAGIS2055-0034	149562.3800	1189438.3500	468.603
15	TRAV 60P	150152.9168	1189924.6592	452.099
16	TRAV 60P	149331.9419	1189969.8067	435.574
17	TRAV 60P	149530.5964	1190172.9347	435.819
18	TRAV 60P	149624.1430	1190543.8153	448.073
19	TRAV 60P	149496.1721	1190919.1754	469.224
20	TRAV 60P	149526.2922	1191252.4665	481.596
21	TRAV 60P	149450.1065	1191734.5058	457.138
22	TRAV 60P	149837.6562	1191953.4026	439.990
23	TRAV 60P	149085.5834	1191795.0819	478.725
24	TRAV 60P	149585.9592	1192262.3208	451.341
25	TRAV 60P	149666.7044	1192799.0917	448.236
26	TRAV 60P	149605.9036	1193170.5724	441.760
27	TRAV 60P	149300.2969	1193807.3294	439.017
28	TRAV 60P	148987.1217	1193868.1934	454.905
29	TRAV 60P	149393.8803	1194423.3829	456.715
30	TRAV 60P	149654.3092	1193832.9942	458.690



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 FIELD TIES / LAYOUT SHEET 1

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11407  
 ERVIN G. TOBIAS

9-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 80'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-79

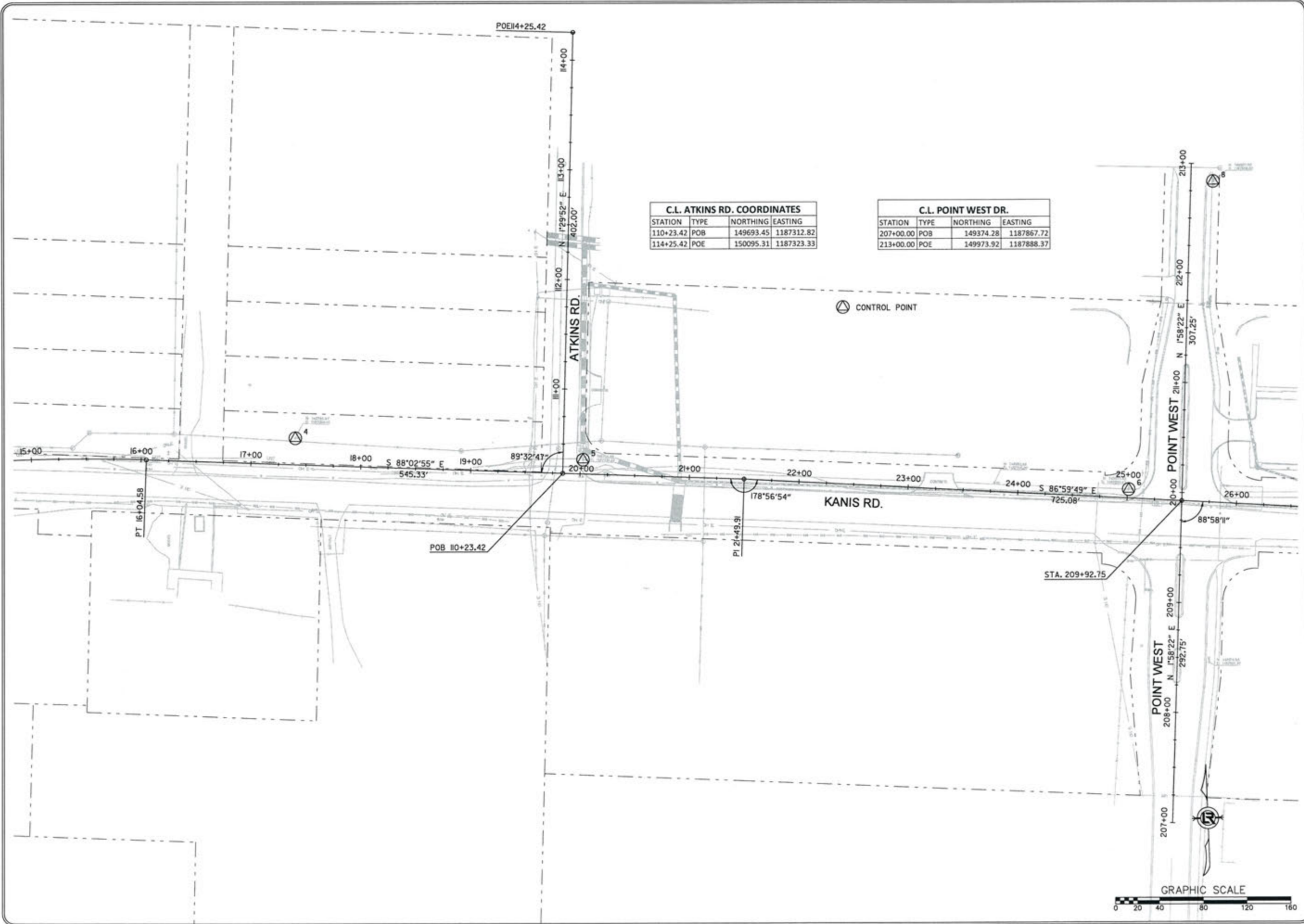
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 FIELD TIES / LAYOUT SHEET 2

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-19-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 80'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-80**





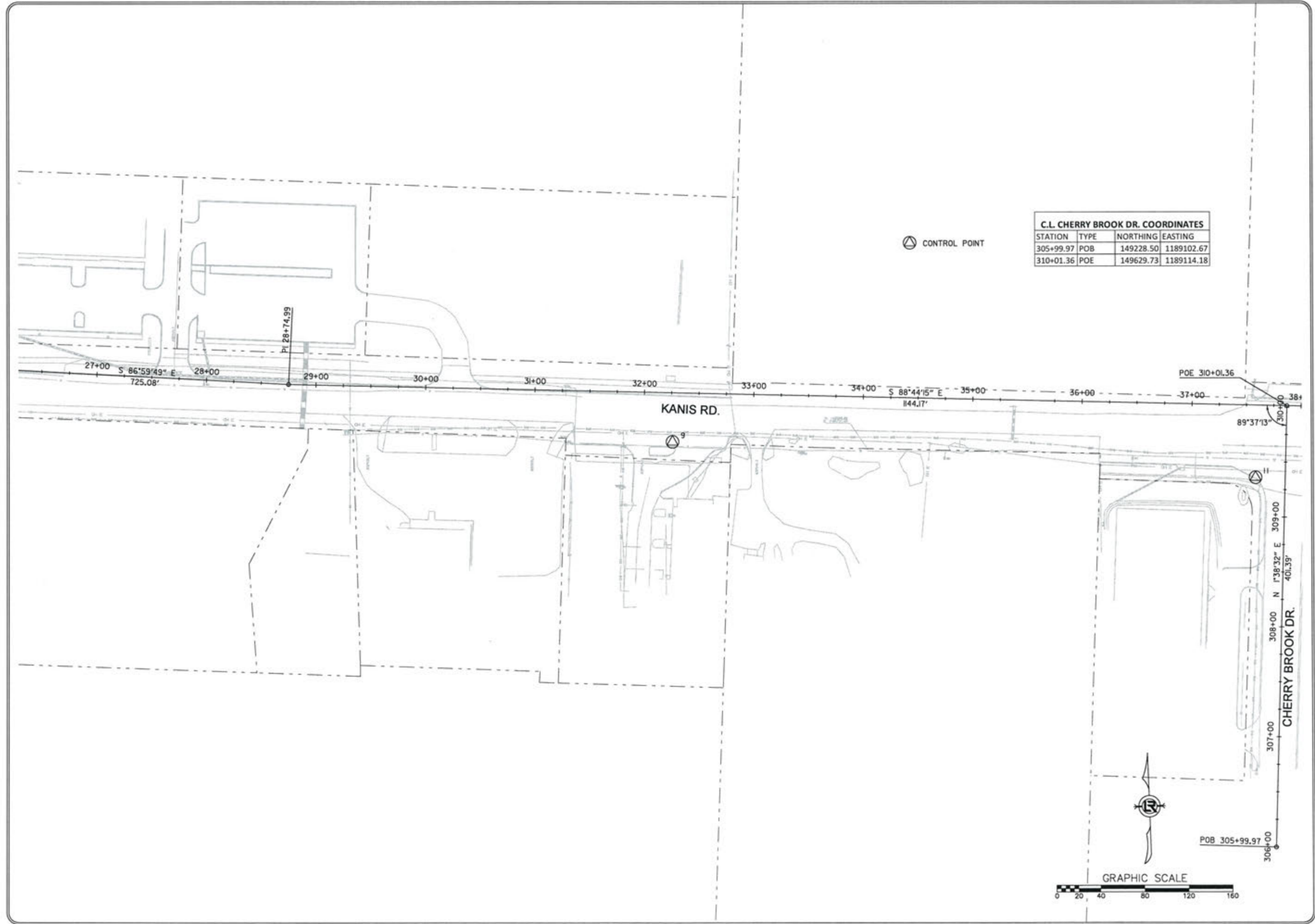
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 FIELD TIES / LAYOUT SHEET 3

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBLESKY

3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 80'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-81**



**C.L. CHERRY BROOK DR. COORDINATES**

STATION	TYPE	NORTHING	EASTING
305+99.97	POB	149228.50	1189102.67
310+01.36	POE	149629.73	1189114.18

⊙ CONTROL POINT

KANIS RD.

CHERRY BROOK DR.

GRAPHIC SCALE



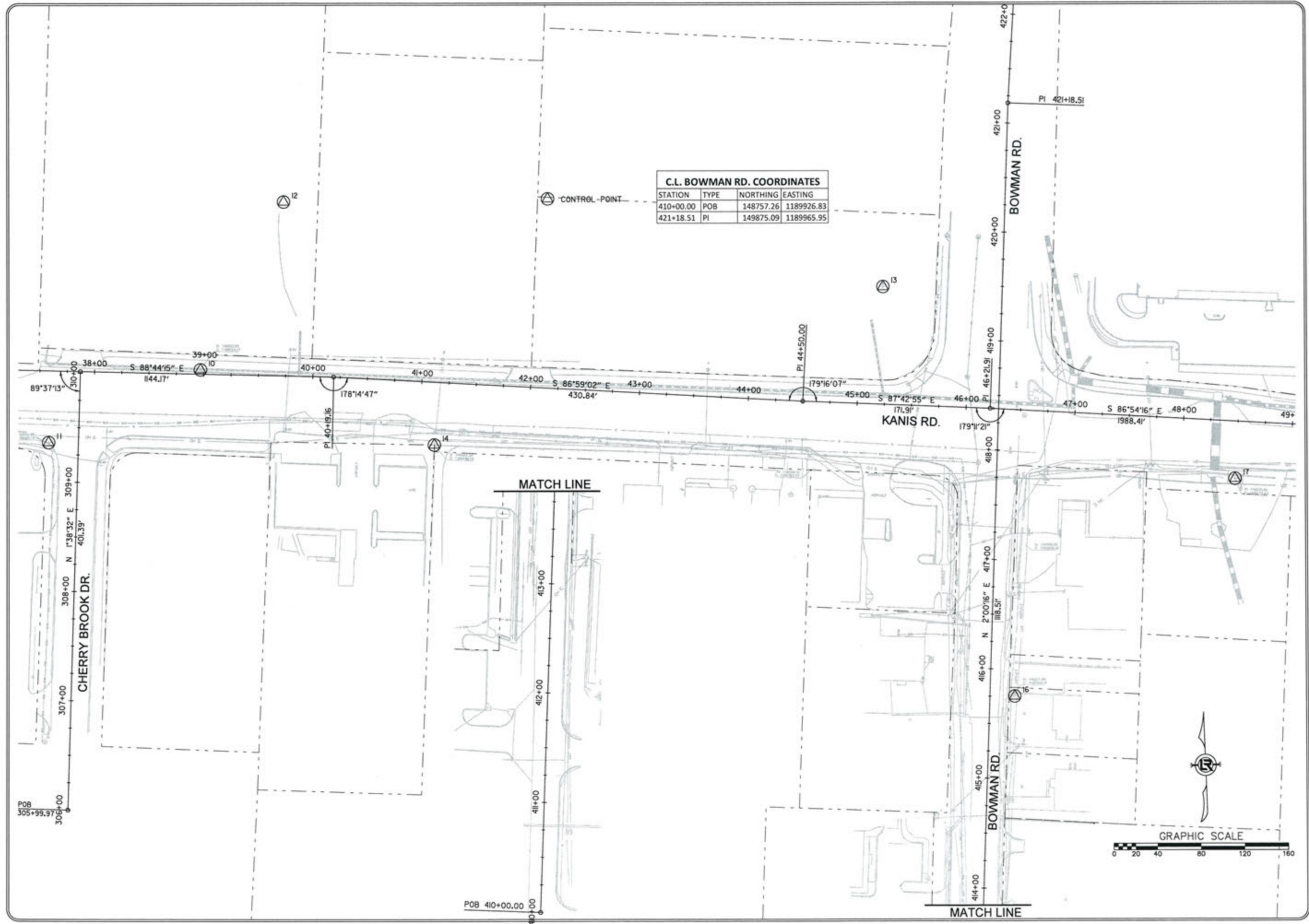
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 FIELD TIES / LAYOUT SHEET 4

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

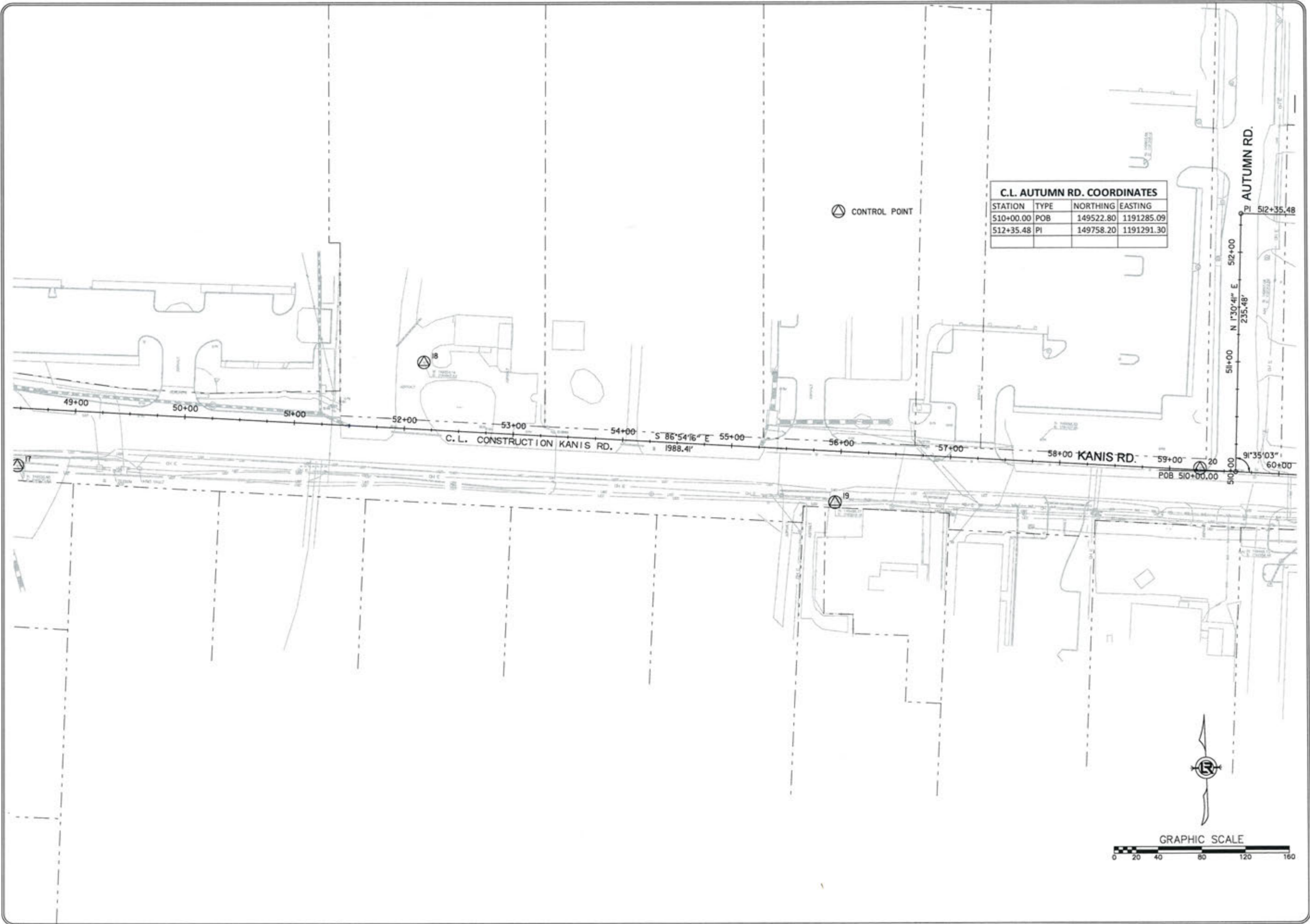


3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 80'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-82**



**C.L. BOWMAN RD. COORDINATES**

STATION	TYPE	NORTHING	EASTING
410+00.00	POB	148757.26	1189926.83
421+18.51	PI	149875.09	1189965.95




C.L. AUTUMN RD. COORDINATES			
STATION	TYPE	NORTHING	EASTING
510+00.00	POB	149522.80	1191285.09
512+35.48	PI	149758.20	1191291.30

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 FIELD TIES / LAYOUT SHEET 5

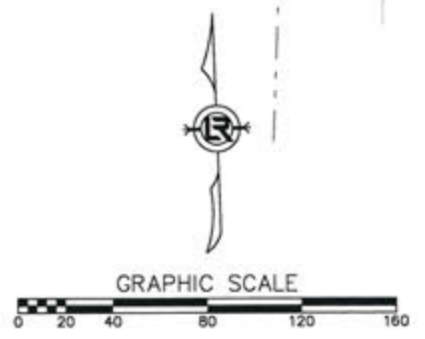
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

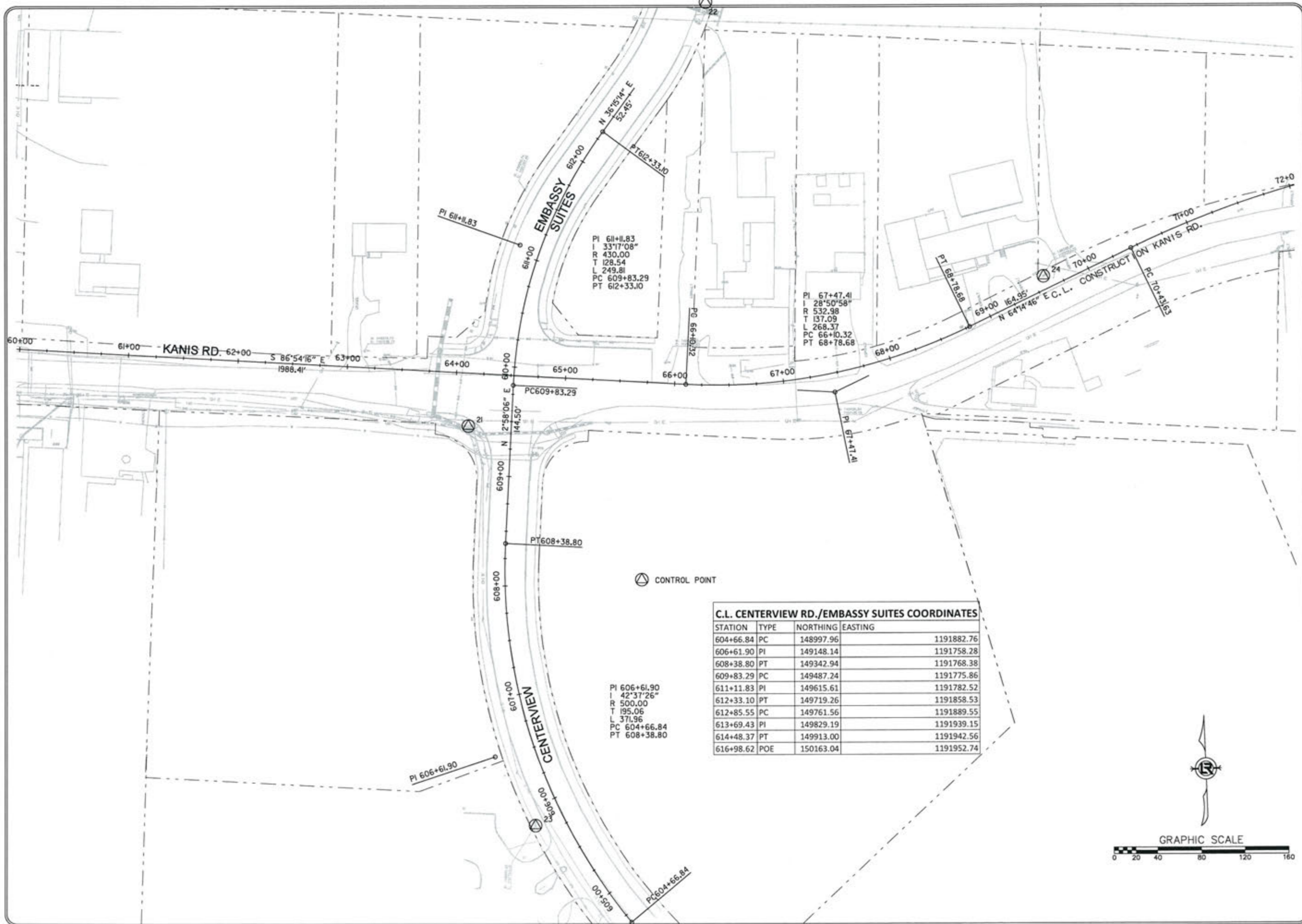


STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11437  
 ERVIN G. TORLESKY

3-17-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	RFR
DATE	KGT
02 / 24 / 17	
SCALE	1" = 80'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-83





PI 611+11.83  
 I 33°17'08"  
 R 430.00  
 T 128.54  
 L 249.81  
 PC 609+83.29  
 PT 612+33.10

PI 67+47.41  
 I 28°50'58"  
 R 532.98  
 T 137.09  
 L 268.37  
 PC 66+10.32  
 PT 68+78.68

PI 606+61.90  
 I 42°37'26"  
 R 500.00  
 T 195.06  
 L 371.96  
 PC 604+66.84  
 PT 608+38.80

**C.L. CENTERVIEW RD./EMBASSY SUITES COORDINATES**

STATION	TYPE	NORTHING	EASTING
604+66.84	PC	148997.96	1191882.76
606+61.90	PI	149148.14	1191758.28
608+38.80	PT	149342.94	1191768.38
609+83.29	PC	149487.24	1191775.86
611+11.83	PI	149615.61	1191782.52
612+33.10	PT	149719.26	1191858.53
612+85.55	PC	149761.56	1191889.55
613+69.43	PI	149829.19	1191939.15
614+48.37	PT	149913.00	1191942.56
616+98.62	POE	150163.04	1191952.74

REVISIONS	DATE

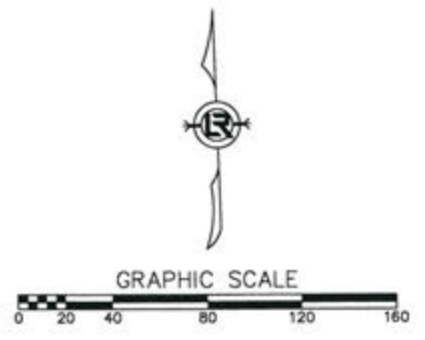
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 FIELD TIES / LAYOUT SHEET 6

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11407  
 KEVIN G. TOBLESKY

3-15-17

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 80'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-84**



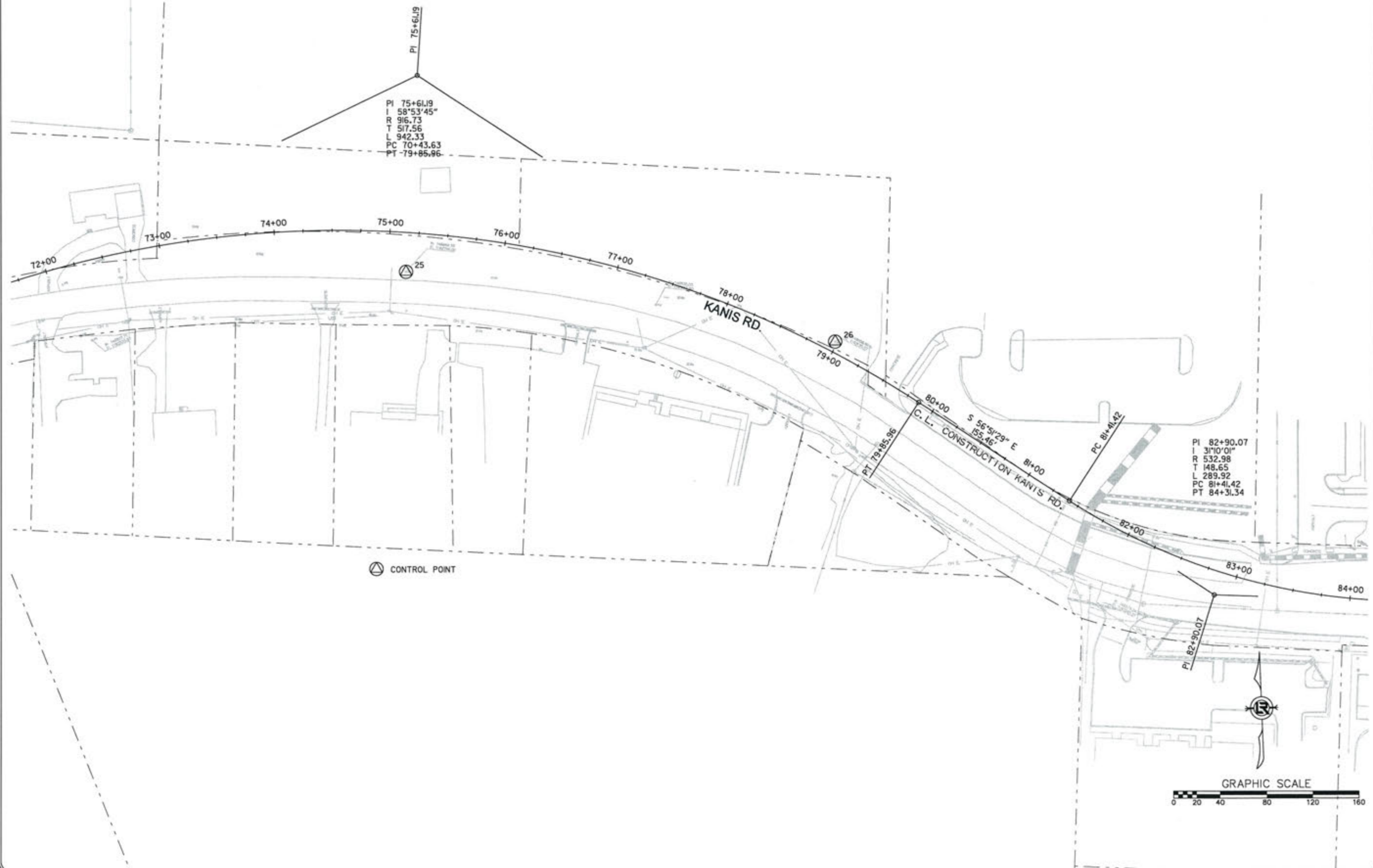
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 FIELD TIES / LAYOUT SHEET 7

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TORLBEK

3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 80'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-85



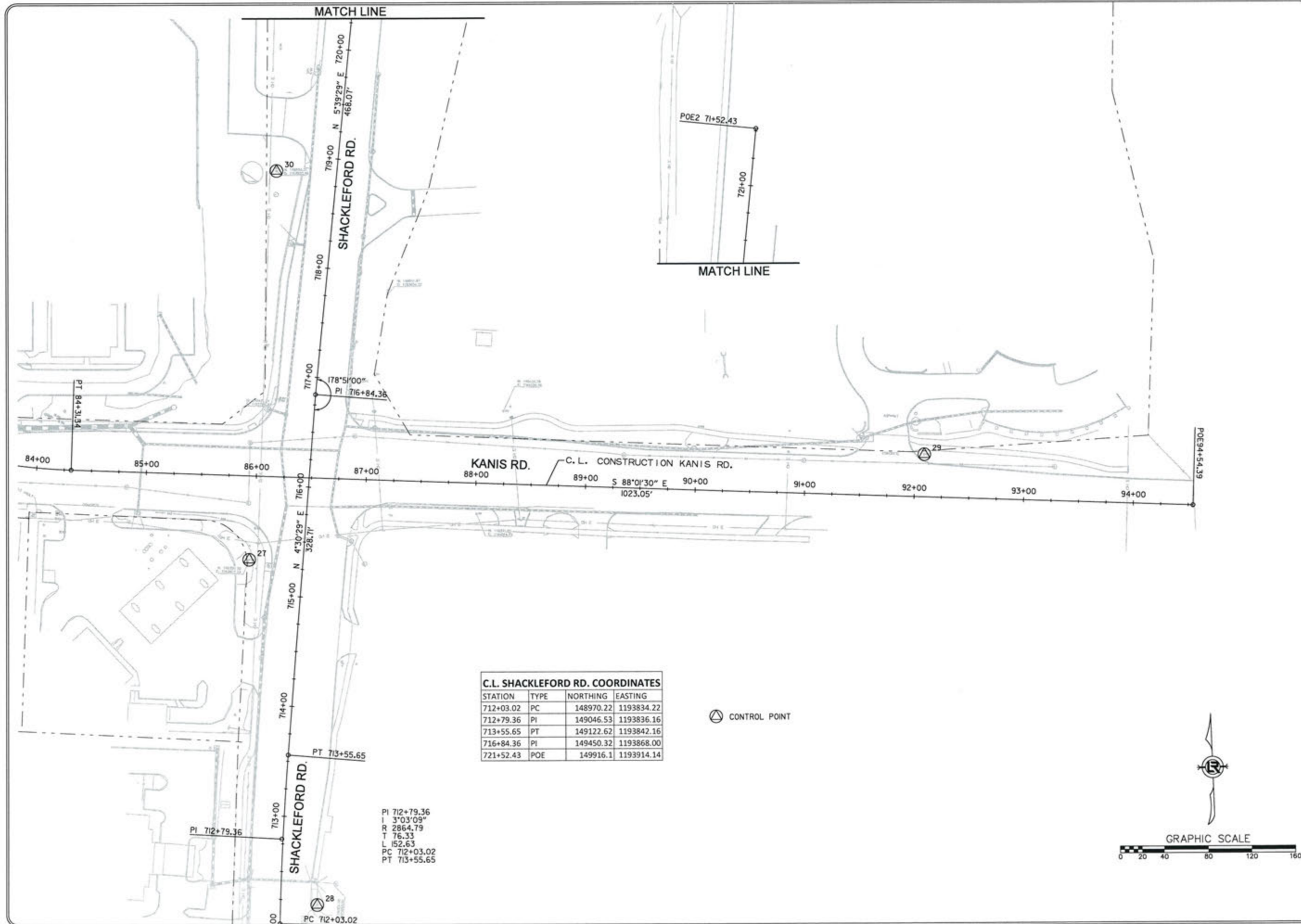
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 FIELD TIES / LAYOUT SHEET 8

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 02 / 24 / 17  
 SCALE  
 1" = 80'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-86**

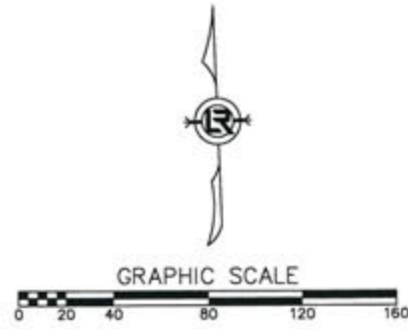


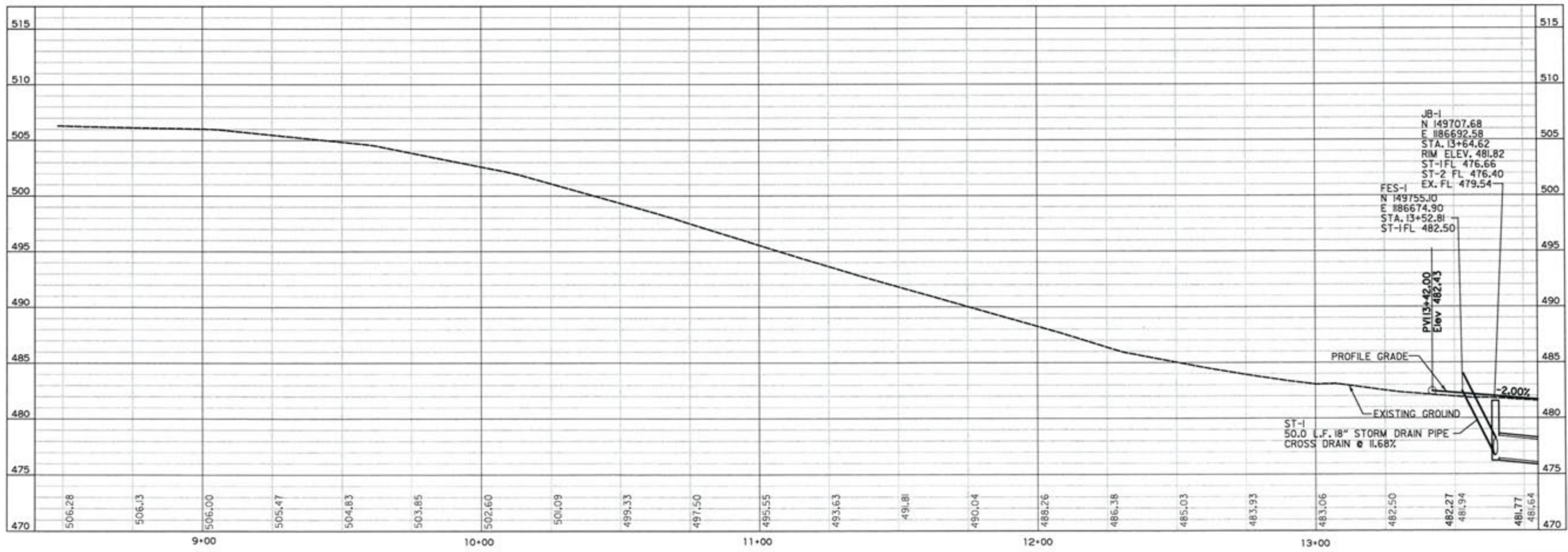
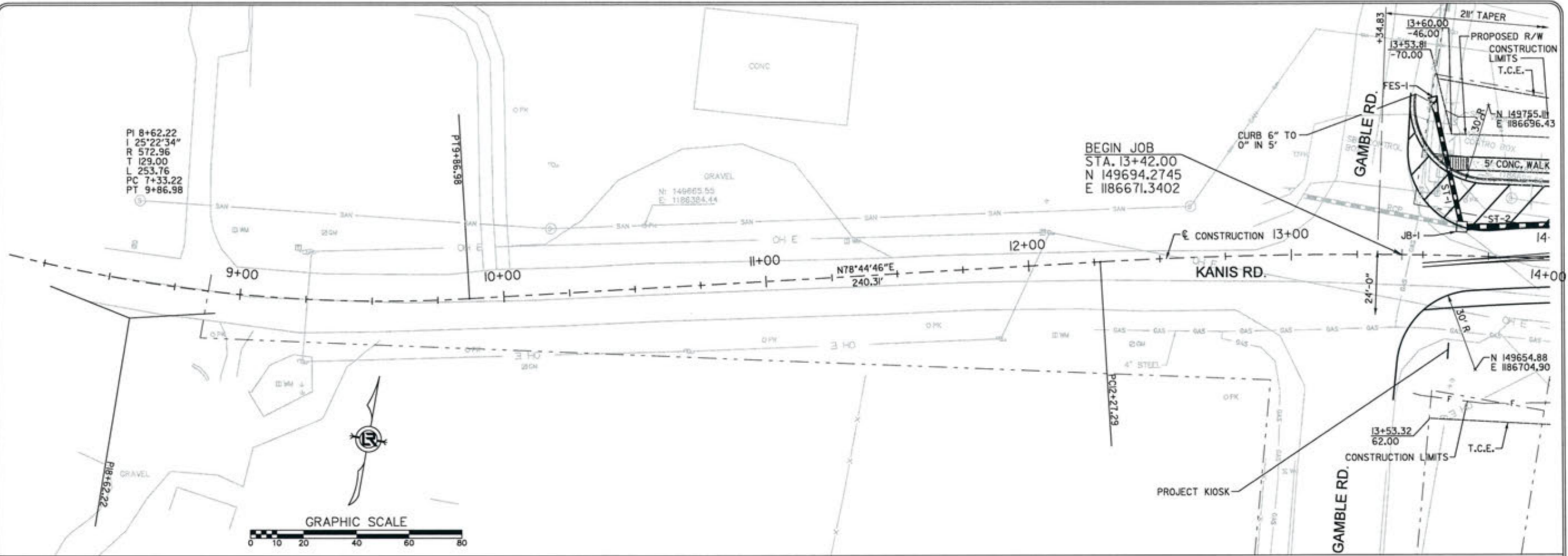
**C.L. SHACKLEFORD RD. COORDINATES**

STATION	TYPE	NORTHING	EASTING
712+03.02	PC	148970.22	1193834.22
712+79.36	PI	149046.53	1193836.16
713+55.65	PT	149122.62	1193842.16
716+84.36	PI	149450.32	1193868.00
721+52.43	POE	149916.1	1193914.14

PI 712+79.36  
 I 3'03'09"  
 R 2864.79  
 T 76.33  
 L 152.63  
 PC 712+03.02  
 PT 713+55.65

△ CONTROL POINT





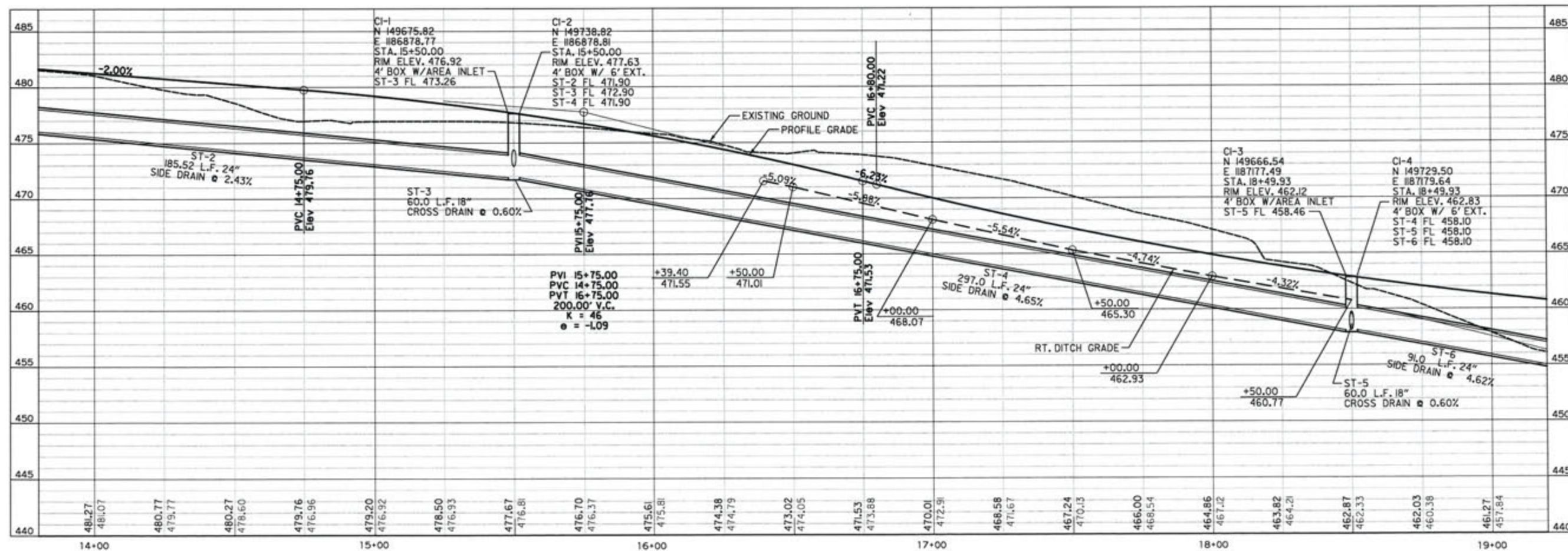
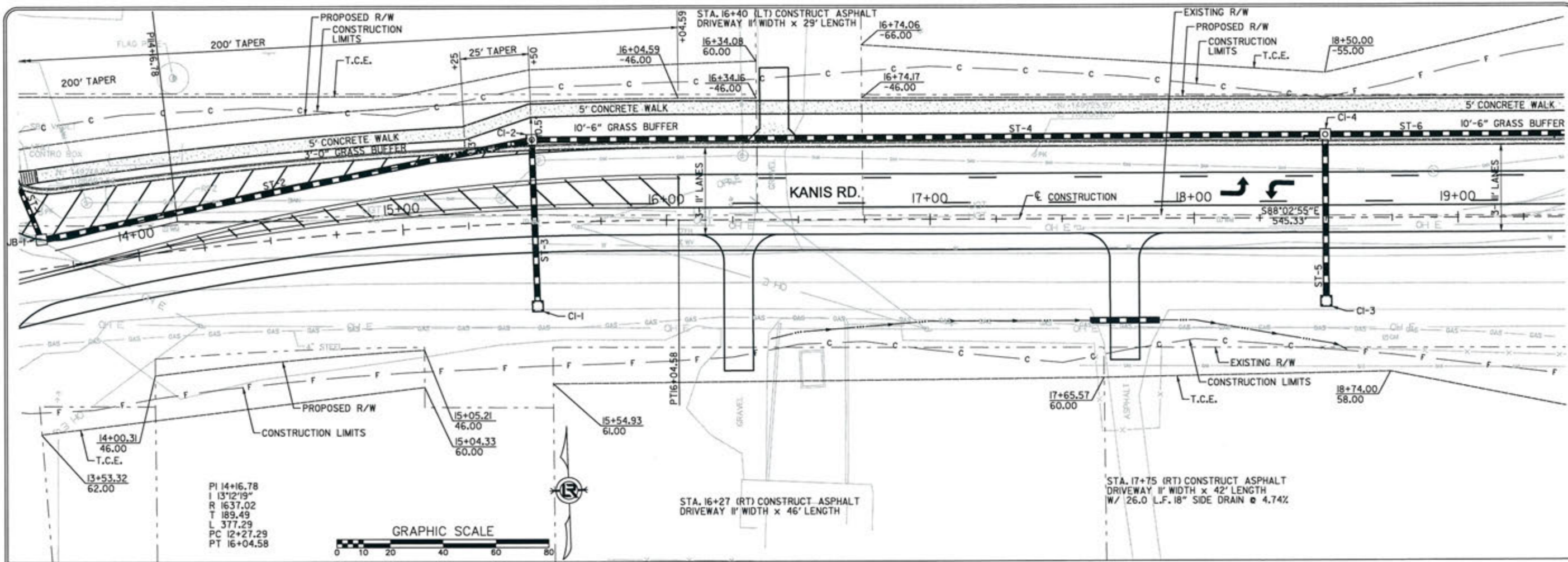
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 PLAN & PROFILE  
 KANIS ROAD SHEET 1

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11437  
 ERVIN G. TORLESKY

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-87



REVISIONS	DATE

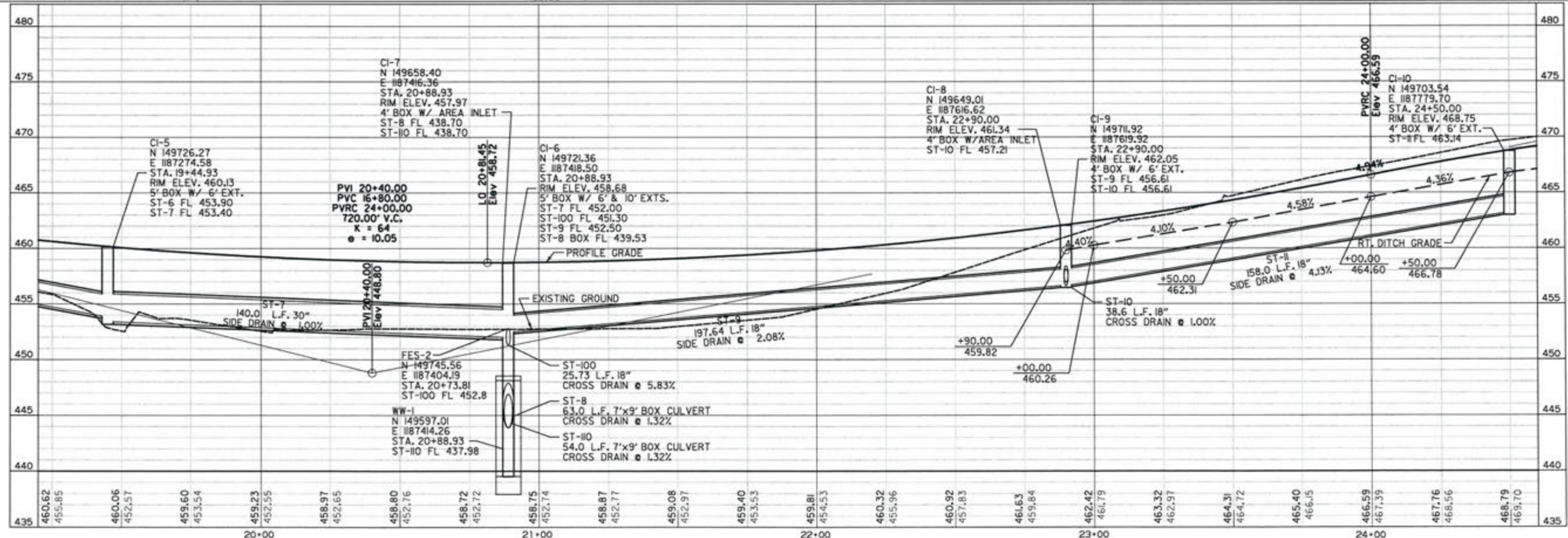
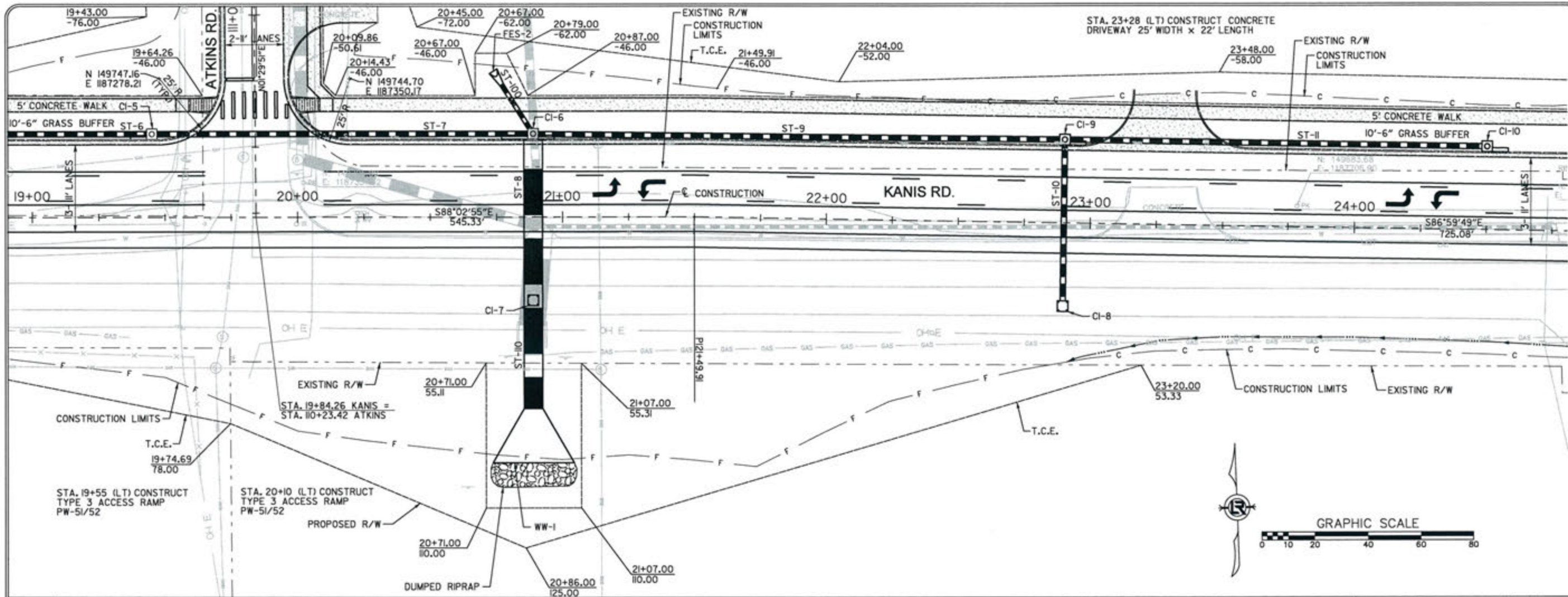
CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
PLAN & PROFILE  
KANIS ROAD SHEET 2

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLESKY

9-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-88**





REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 PLAN & PROFILE  
 KANIS ROAD SHEET 3

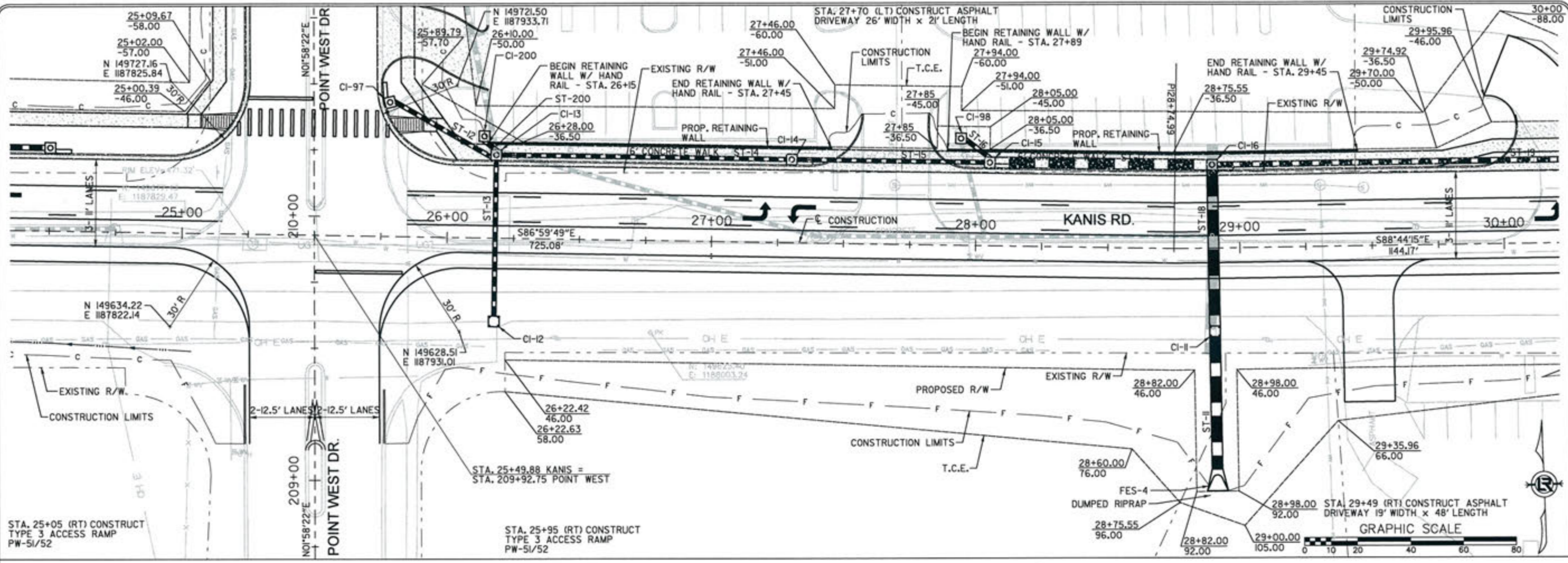
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



*3-15-17*

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'

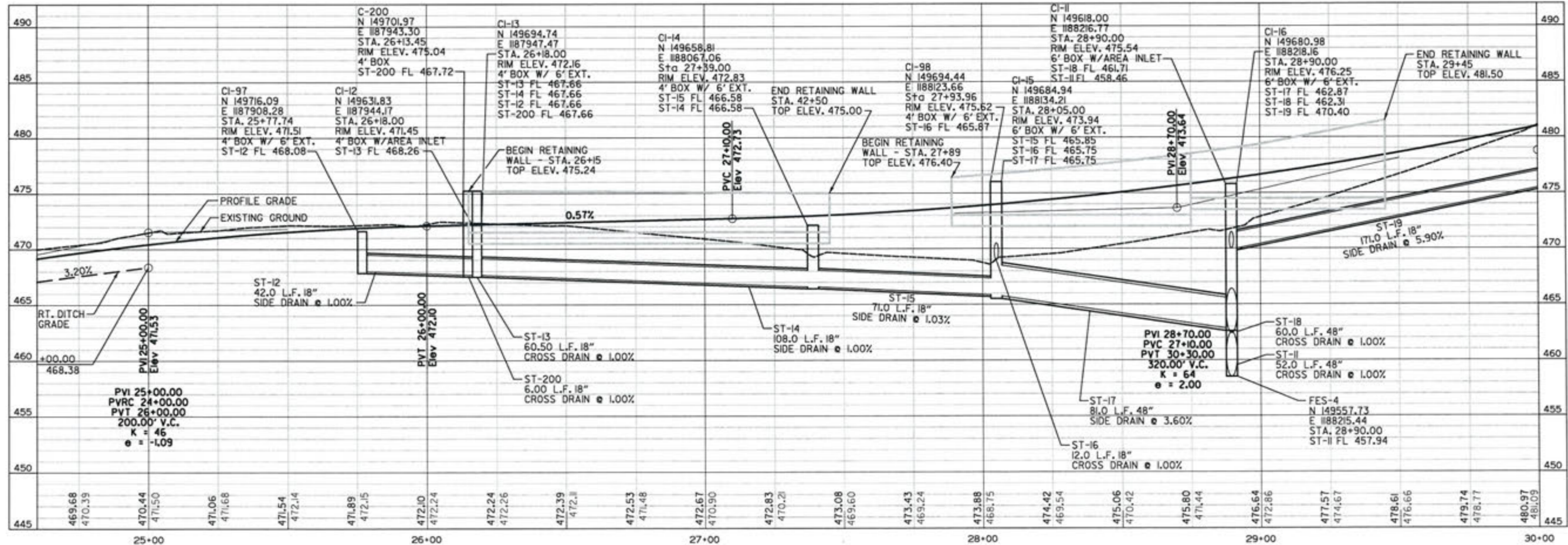
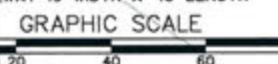
PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-89**



STA. 25+05 (RT) CONSTRUCT TYPE 3 ACCESS RAMP PW-51/52

STA. 25+95 (RT) CONSTRUCT TYPE 3 ACCESS RAMP PW-51/52

STA. 29+49 (RT) CONSTRUCT ASPHALT DRIVEWAY 19' WIDTH x 48' LENGTH



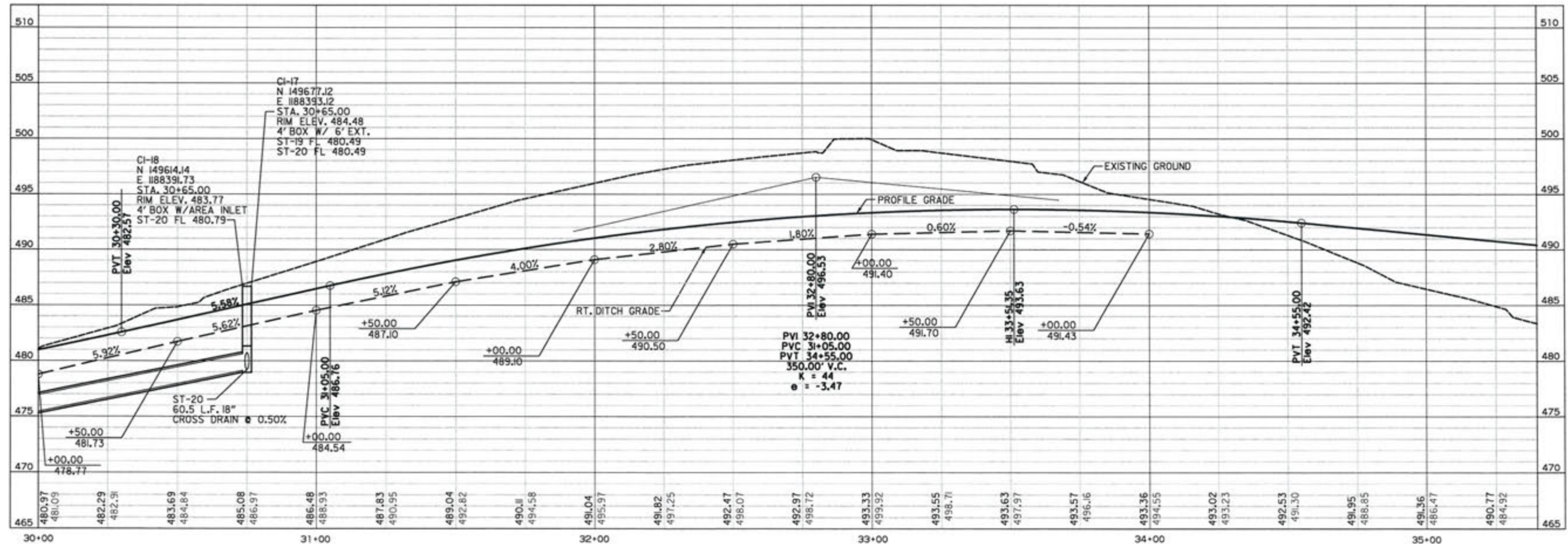
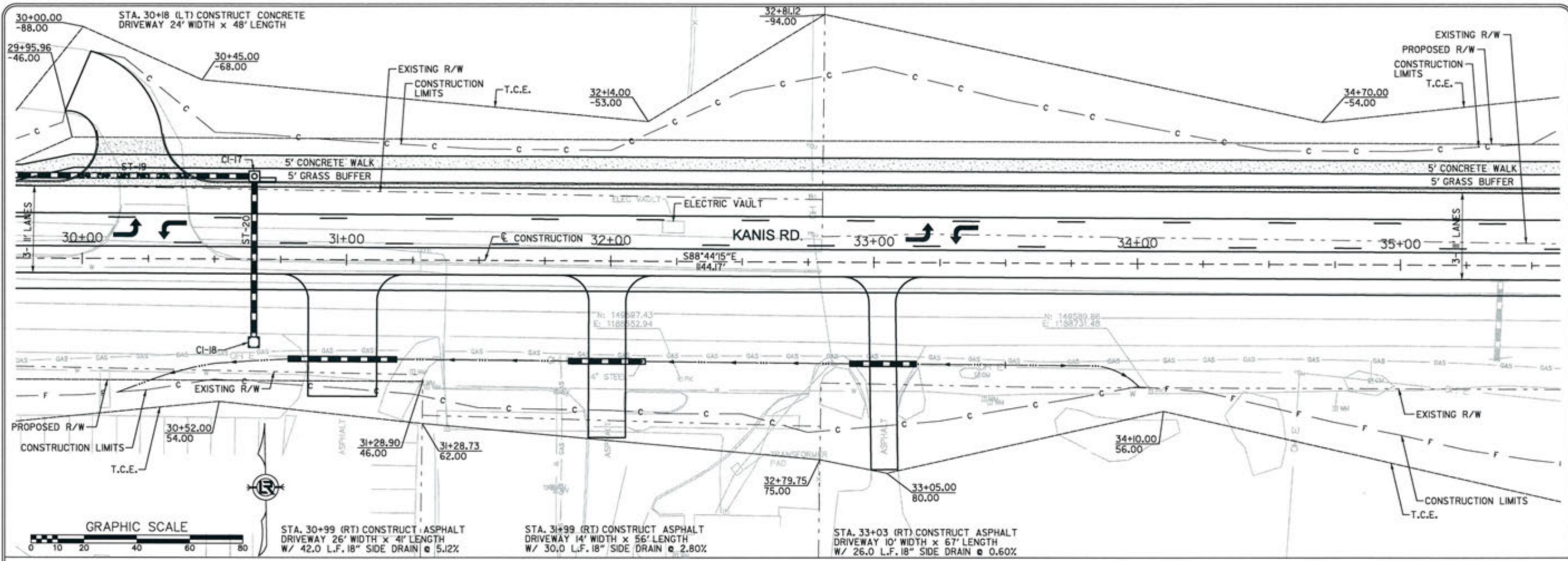
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 PLAN & PROFILE  
 KANIS ROAD SHEET 4

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBLEST

2-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-90



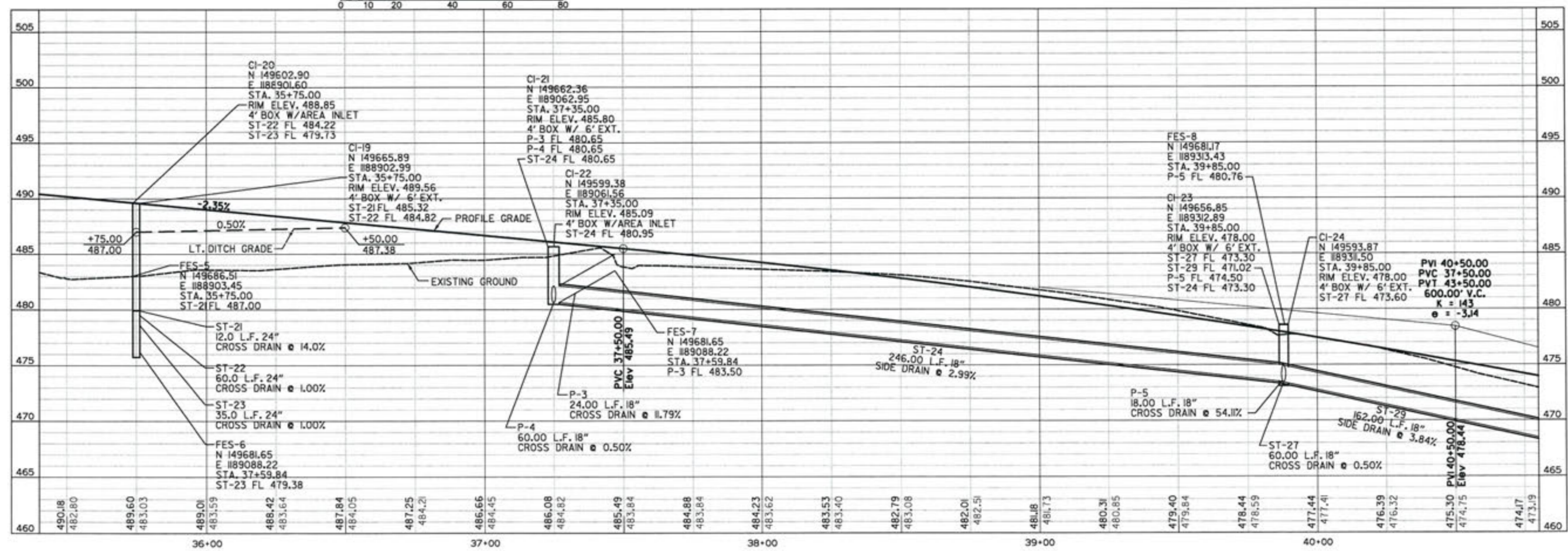
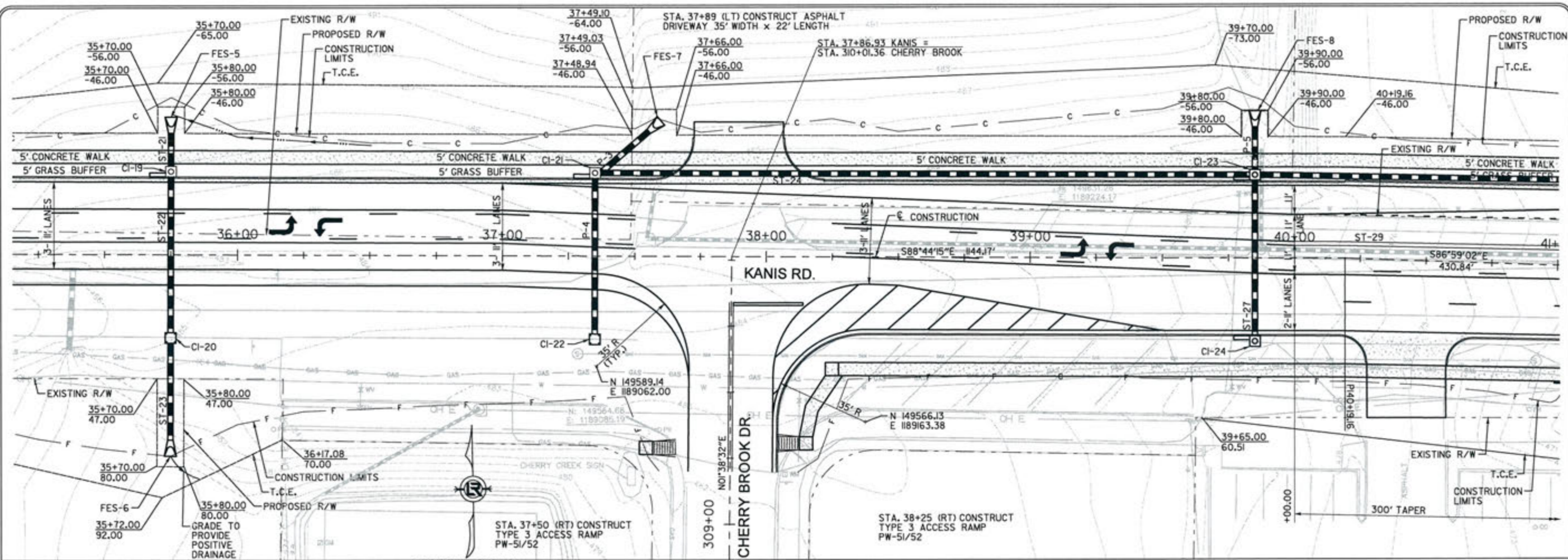
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 PLAN & PROFILE  
 KANIS ROAD SHEET 5

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

  
 STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOMBLETT  
 3-15-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGJ
DATE	2 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-91



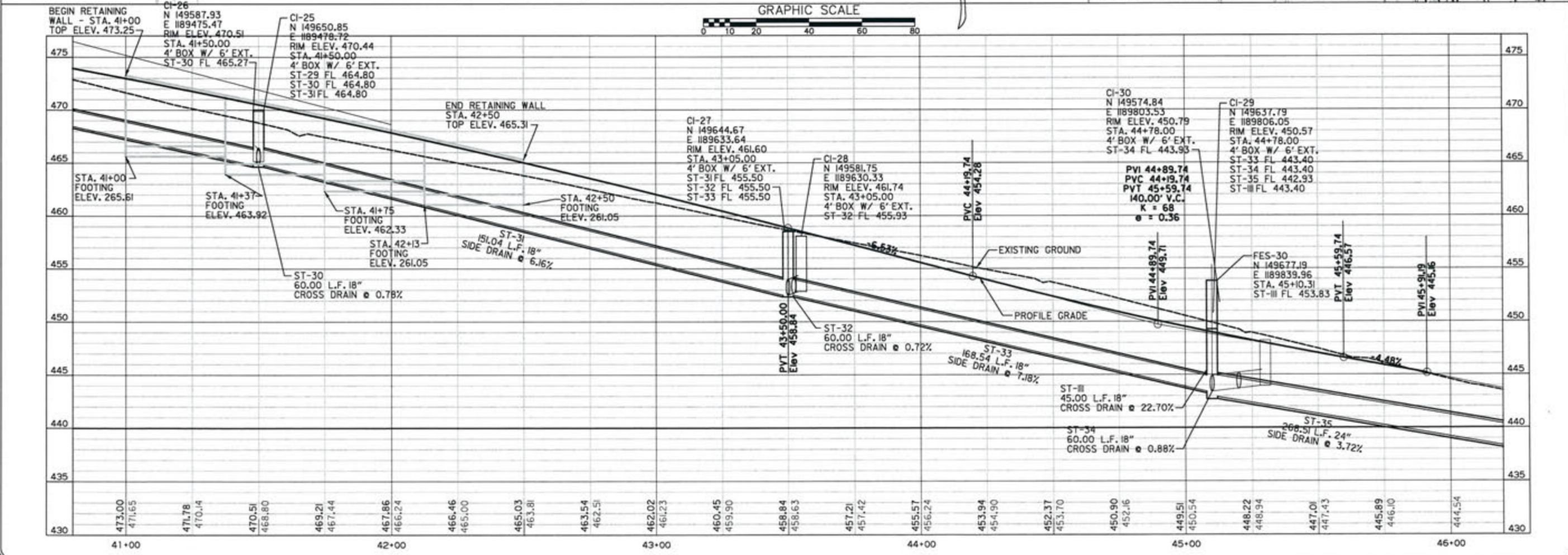
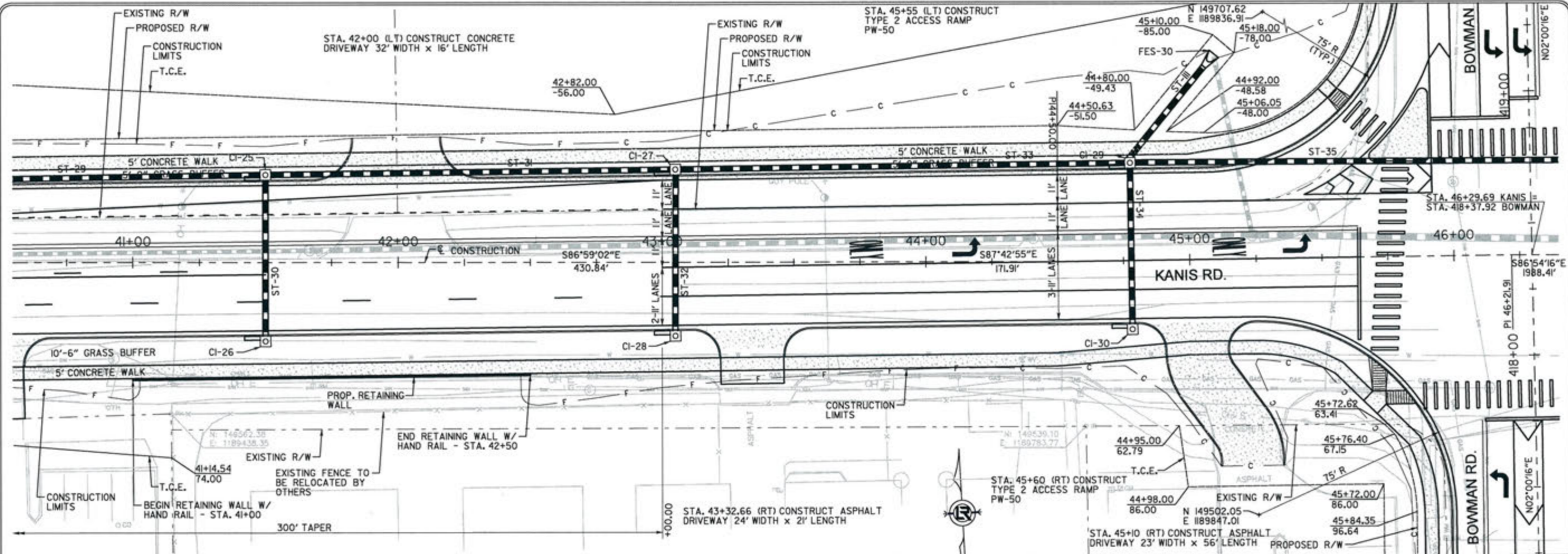
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
PLAN & PROFILE  
KANIS ROAD SHEET 6

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

  
 ERVIN G. TOLBERT  
 No. 1107

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-92**



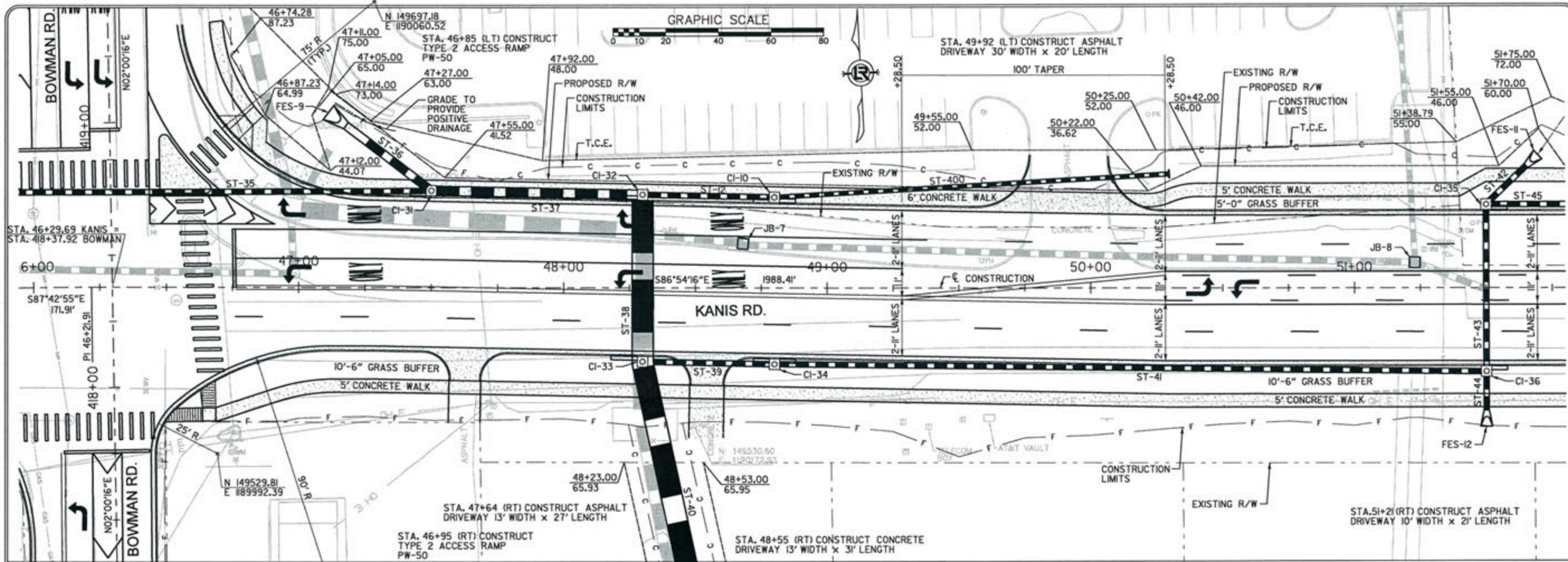
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
PLAN & PROFILE  
KANIS ROAD SHEET 7

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

3-15-17

DRAWN BY  
RFR  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
2/24/17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-93

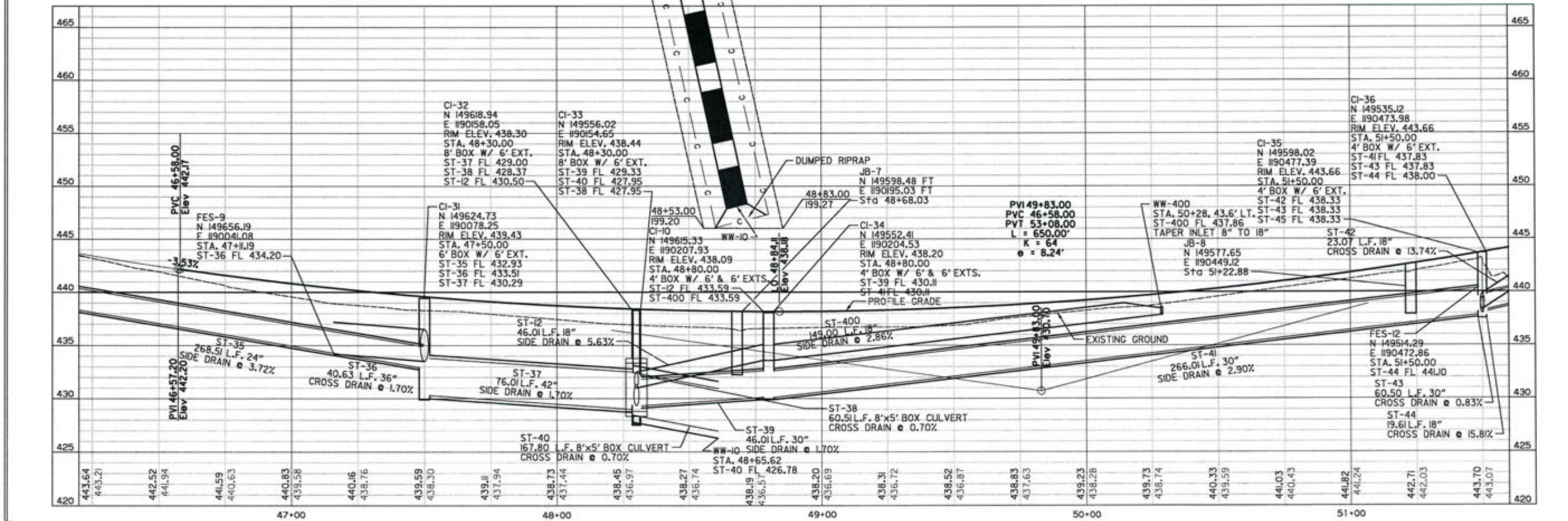


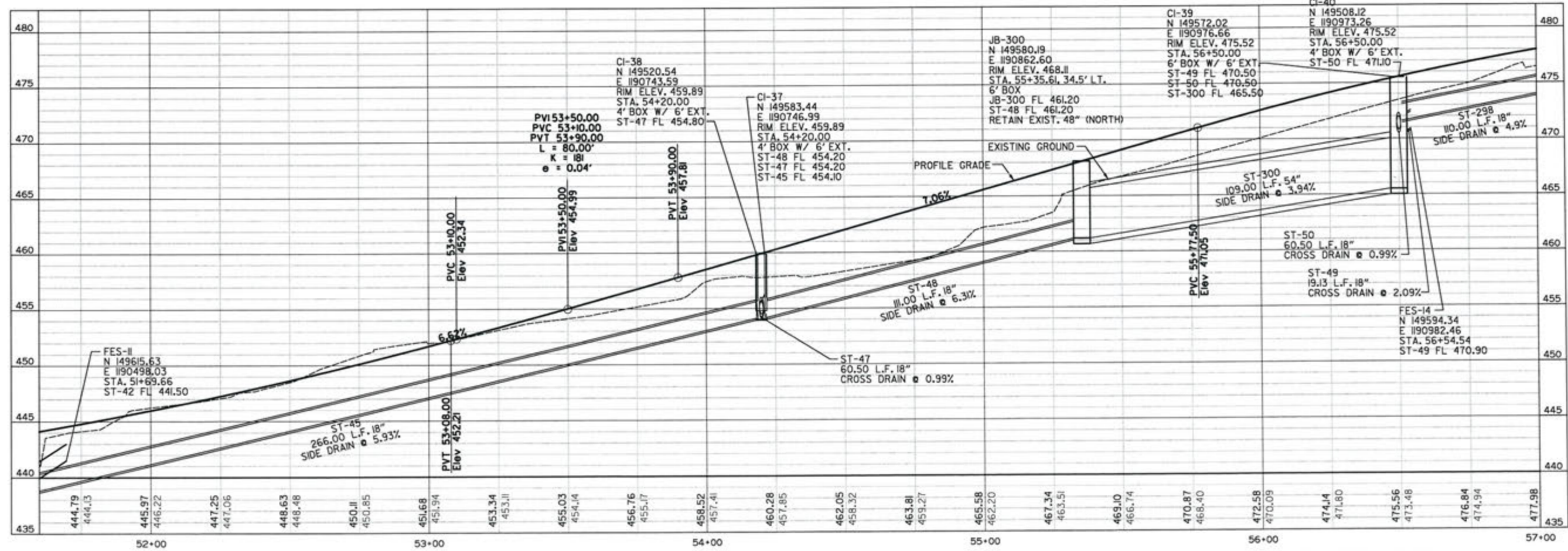
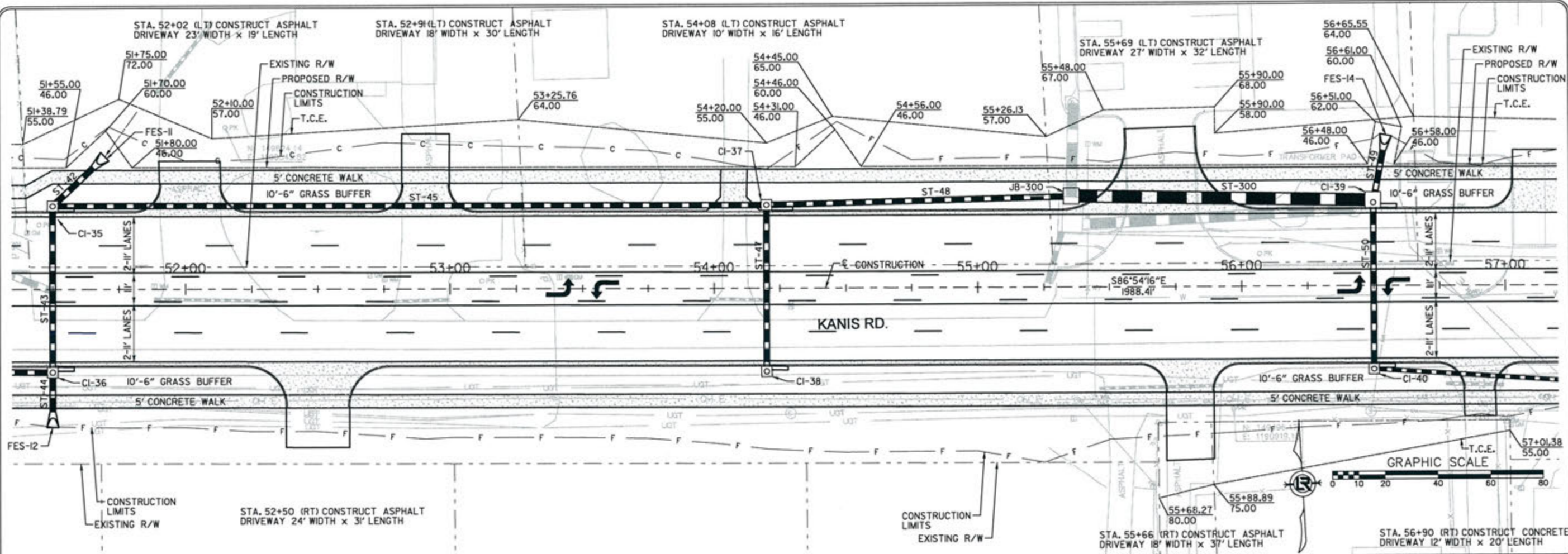

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
PLAN & PROFILE  
KANIS ROAD SHEET 8

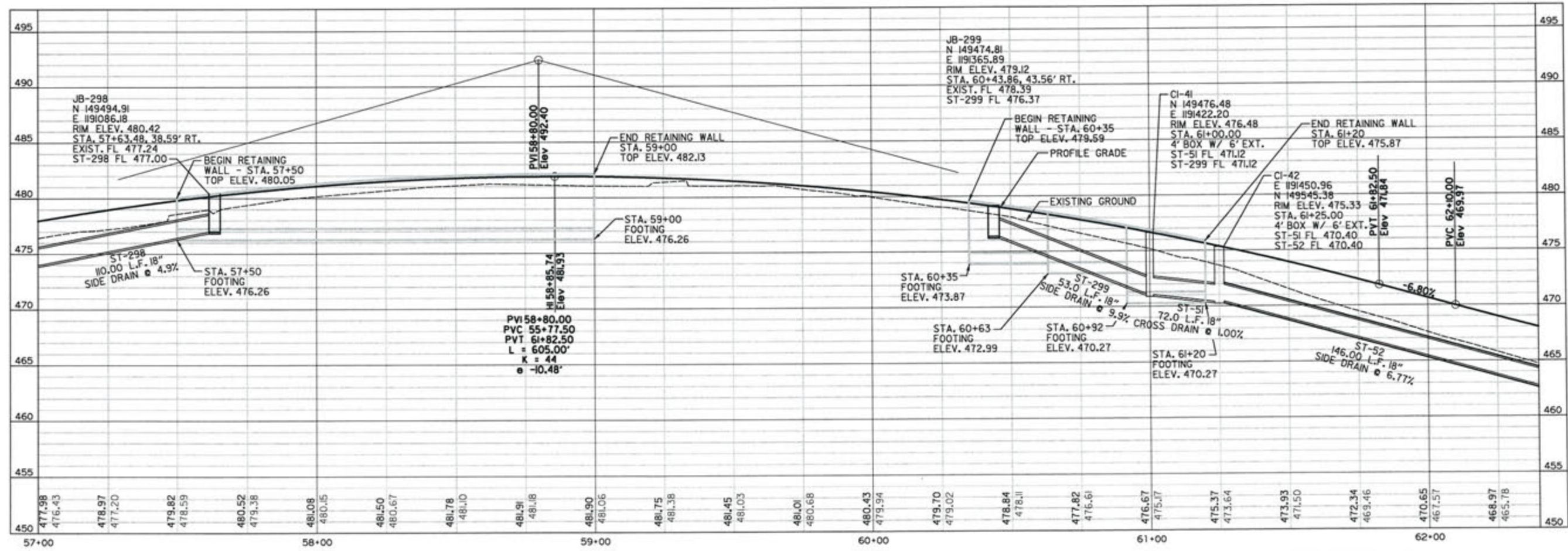
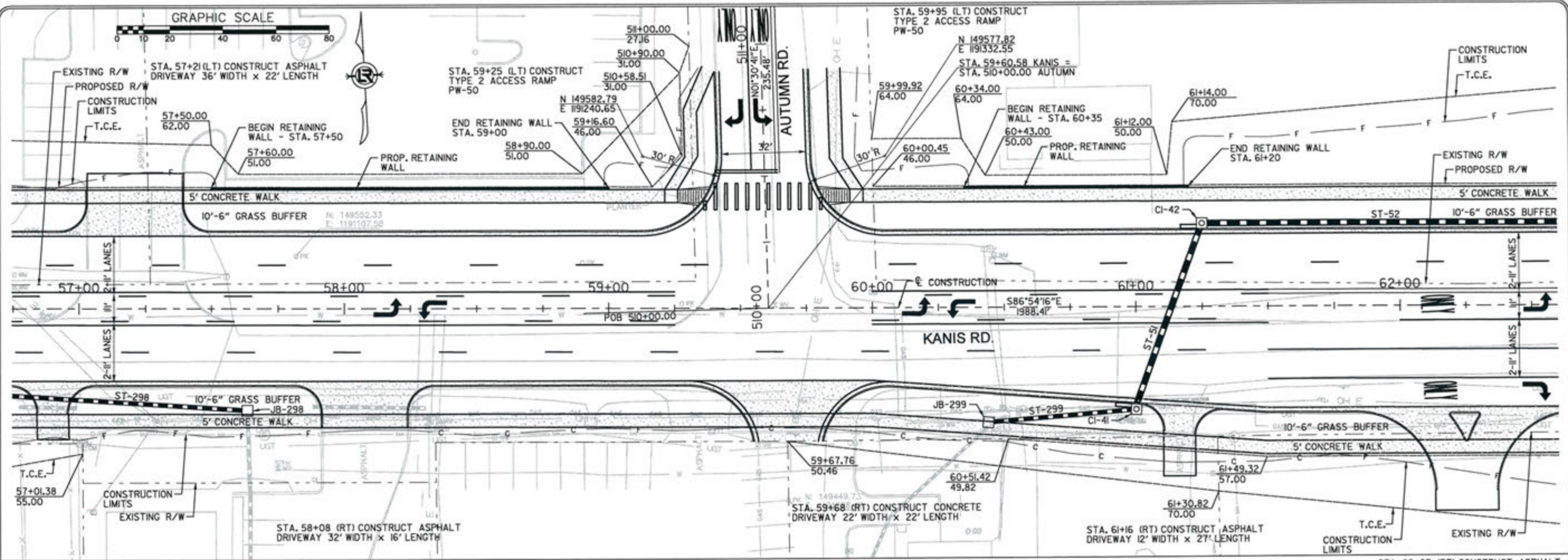
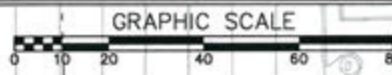
DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
N. 11.07  
KRYN G. TOBIAS

3-15-17  
DRAWN BY RFR  
DESIGNED RFR  
CHECKED KGT  
DATE 2/24/17  
SCALE 1" = 40'  
PROJECT NO. 13-B-5D-6A  
SHEET NO. C-94







REVISIONS	DATE

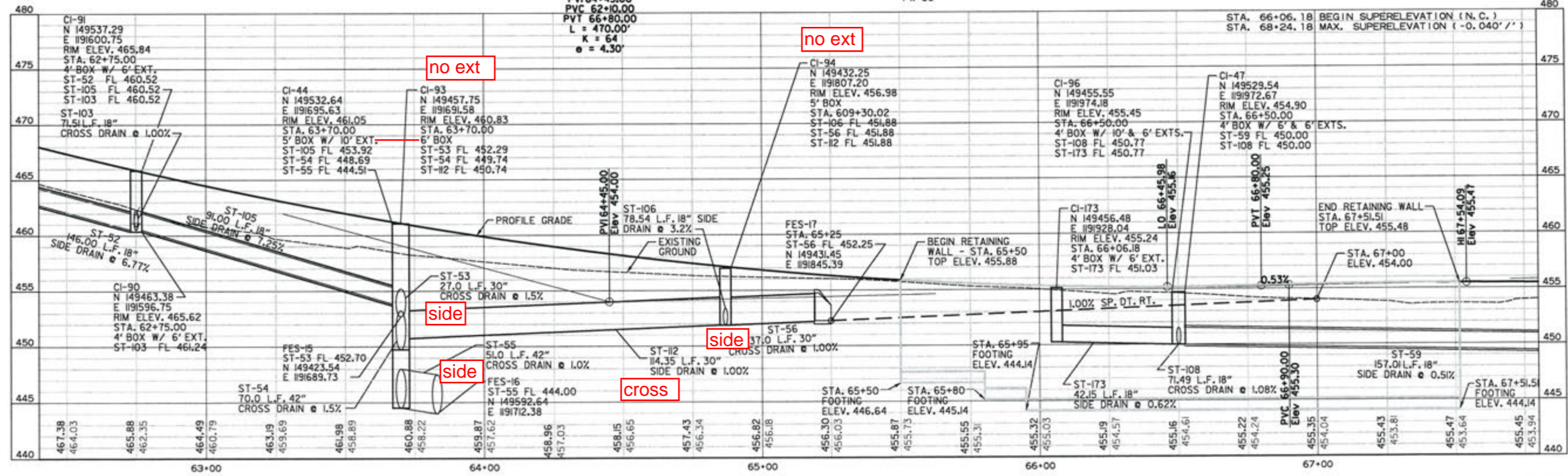
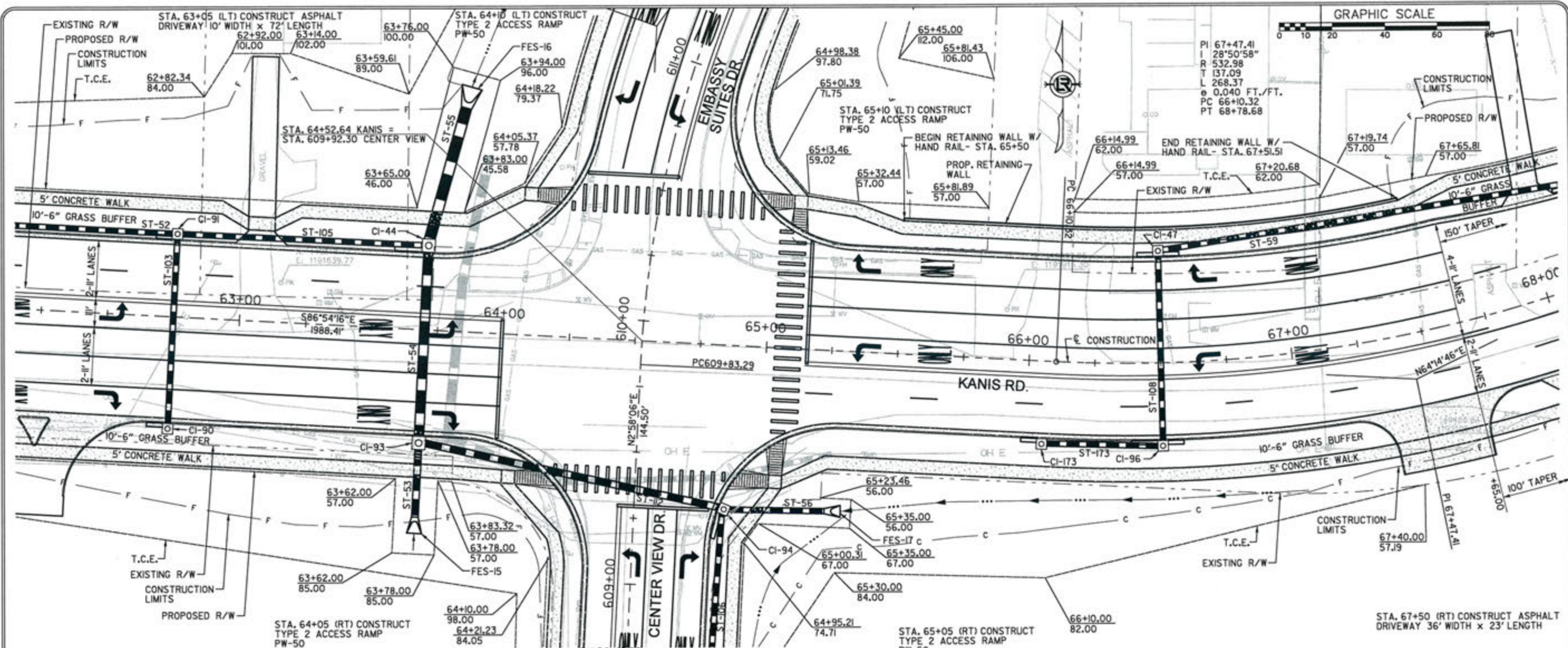
CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 PLAN & PROFILE  
 KANIS ROAD SHEET 10

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11-07  
 EVYIN G. TOMBLEY

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-96**





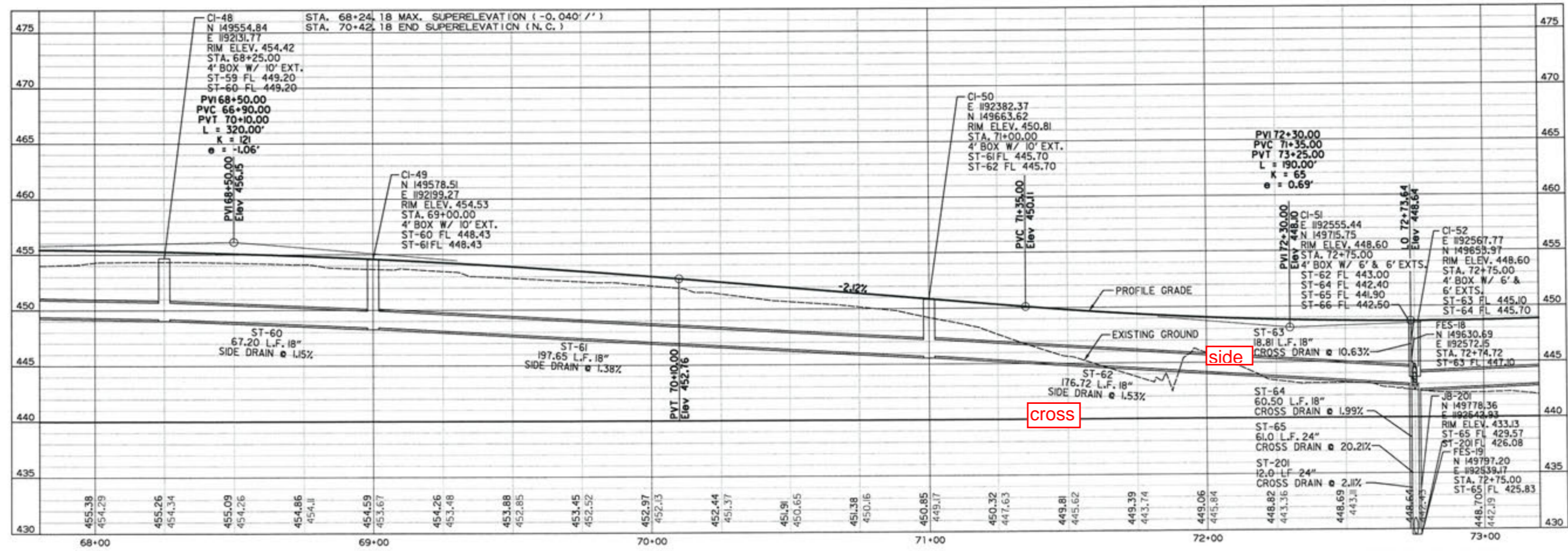
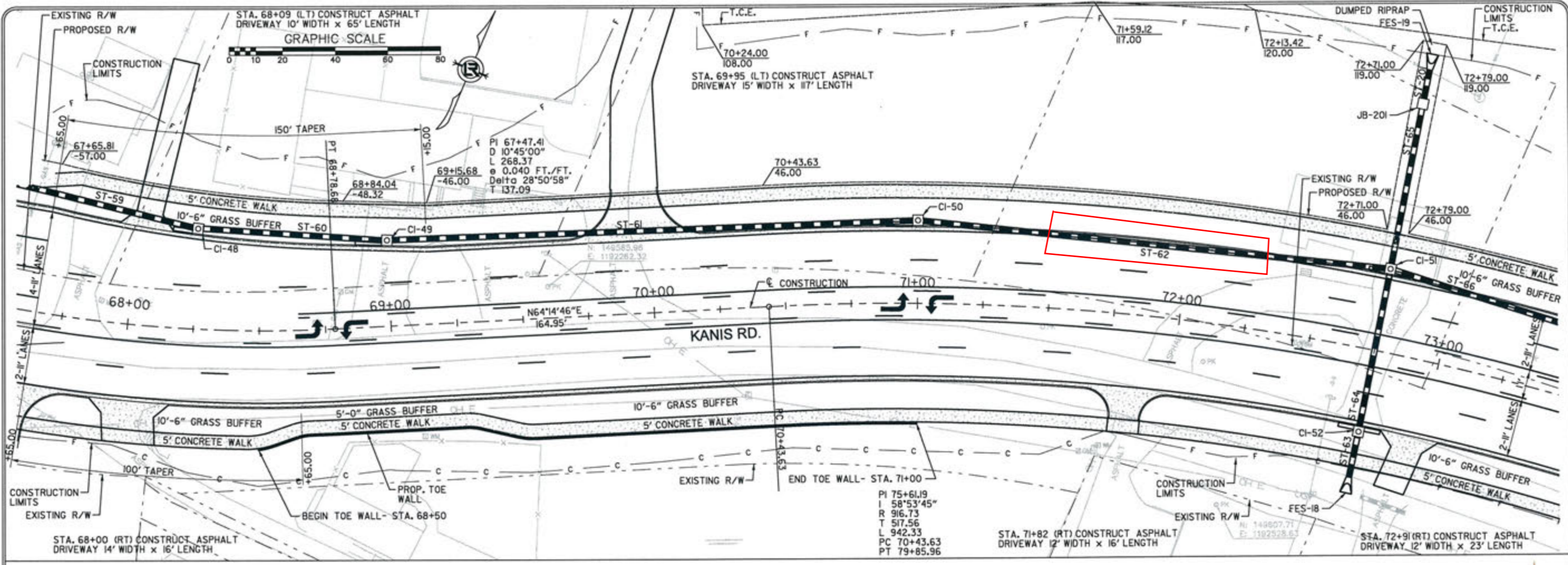
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 PLAN & PROFILE  
 KANIS ROAD SHEET 11

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201


3-15-17  
 ERVIN G. TOLBERT  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 STATE OF ARKANSAS

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-97**



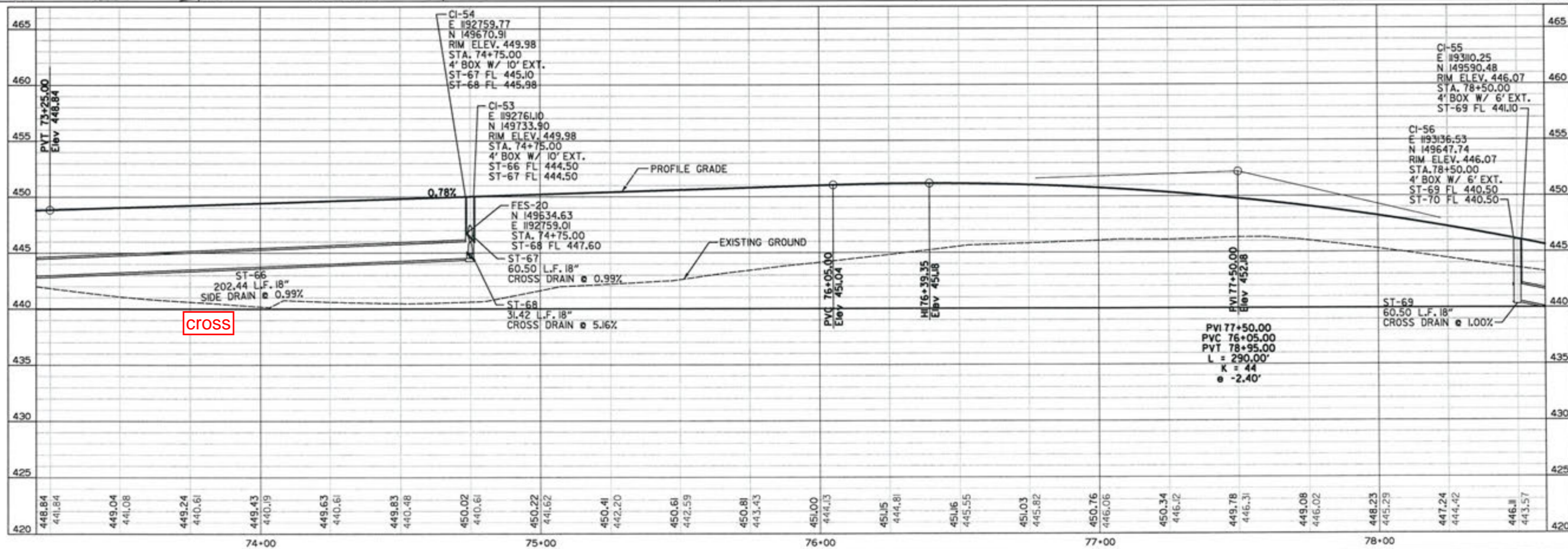
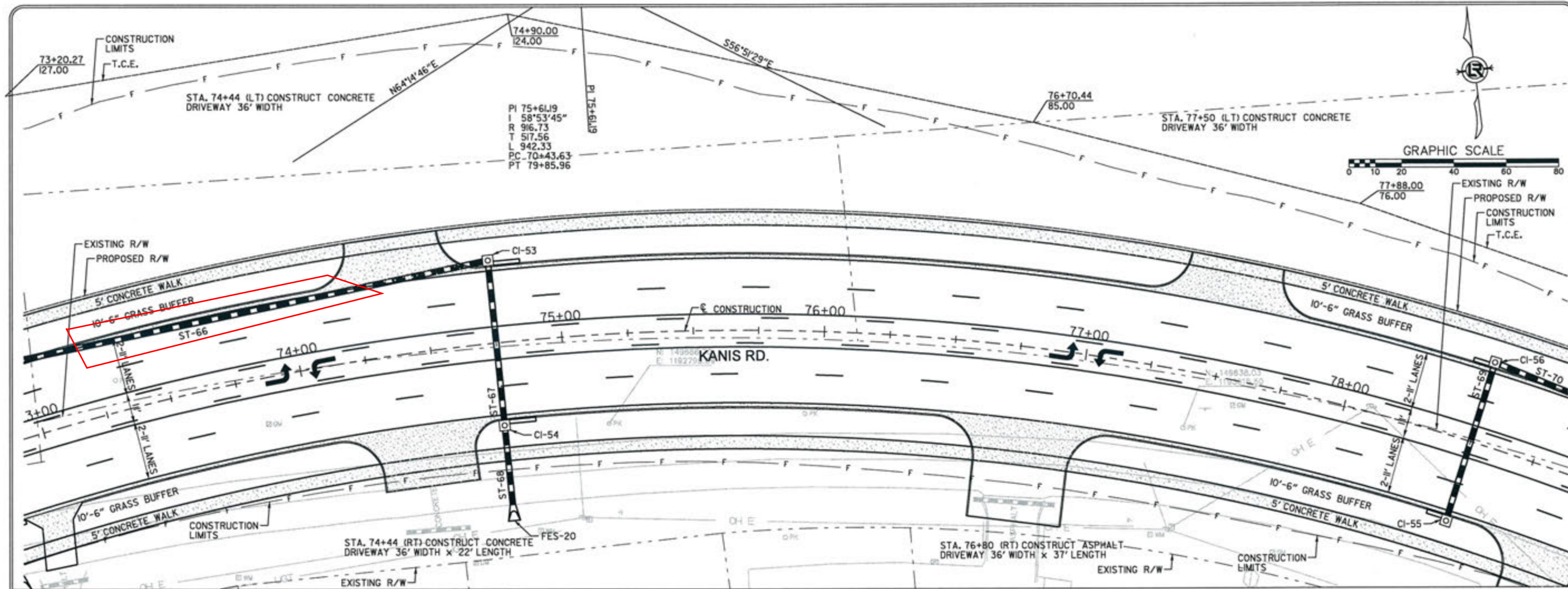
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
PLAN & PROFILE  
KANIS ROAD SHEET 12

  
 DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 1107

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-98**



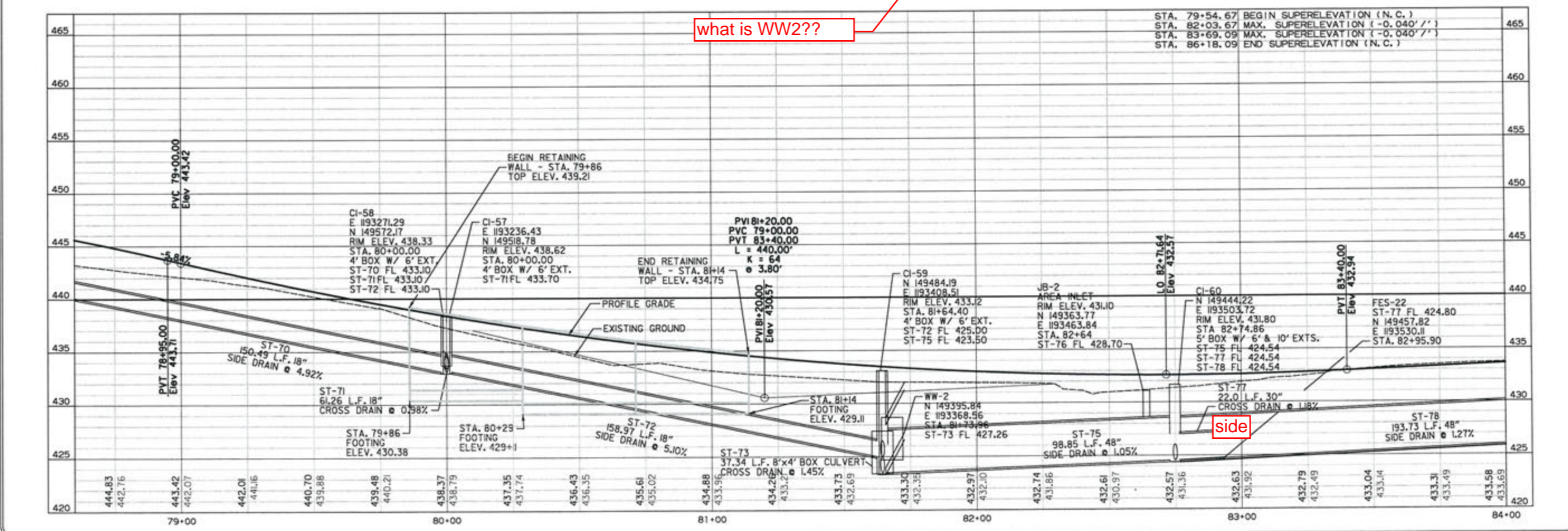
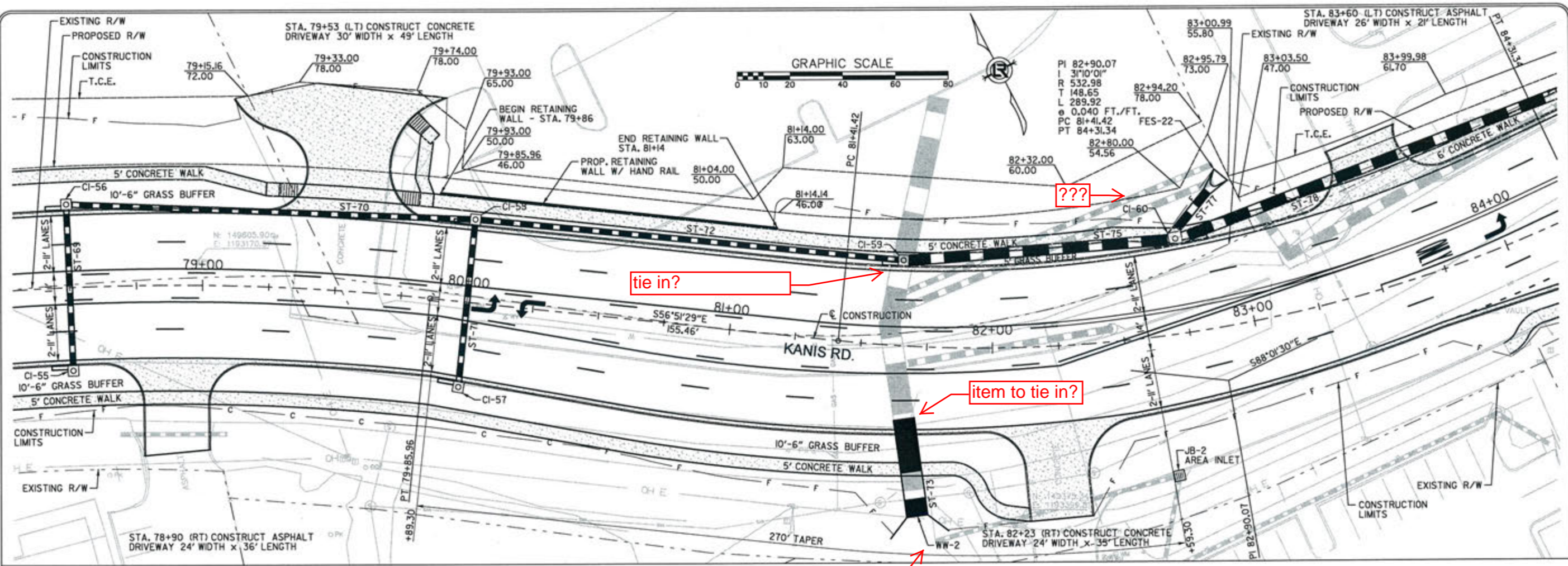
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 PLAN & PROFILE  
 KANIS ROAD SHEET 13

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-99



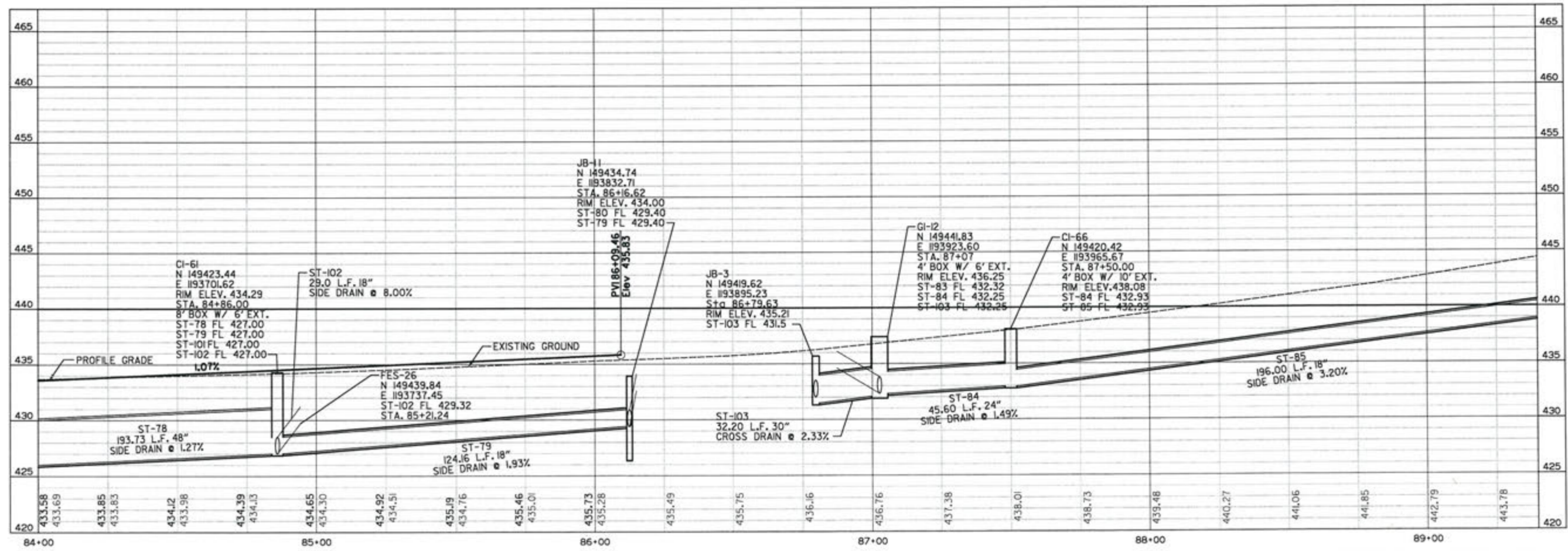
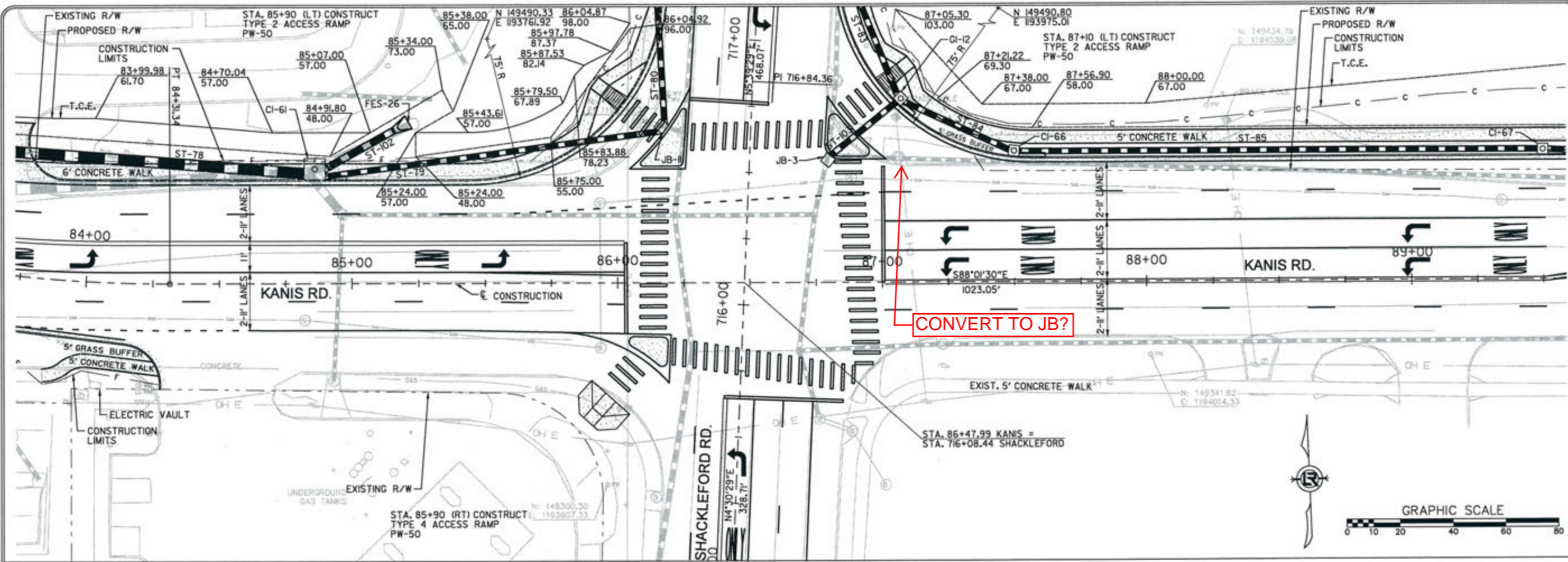
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 PLAN & PROFILE  
 KANIS ROAD SHEET 14

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-100



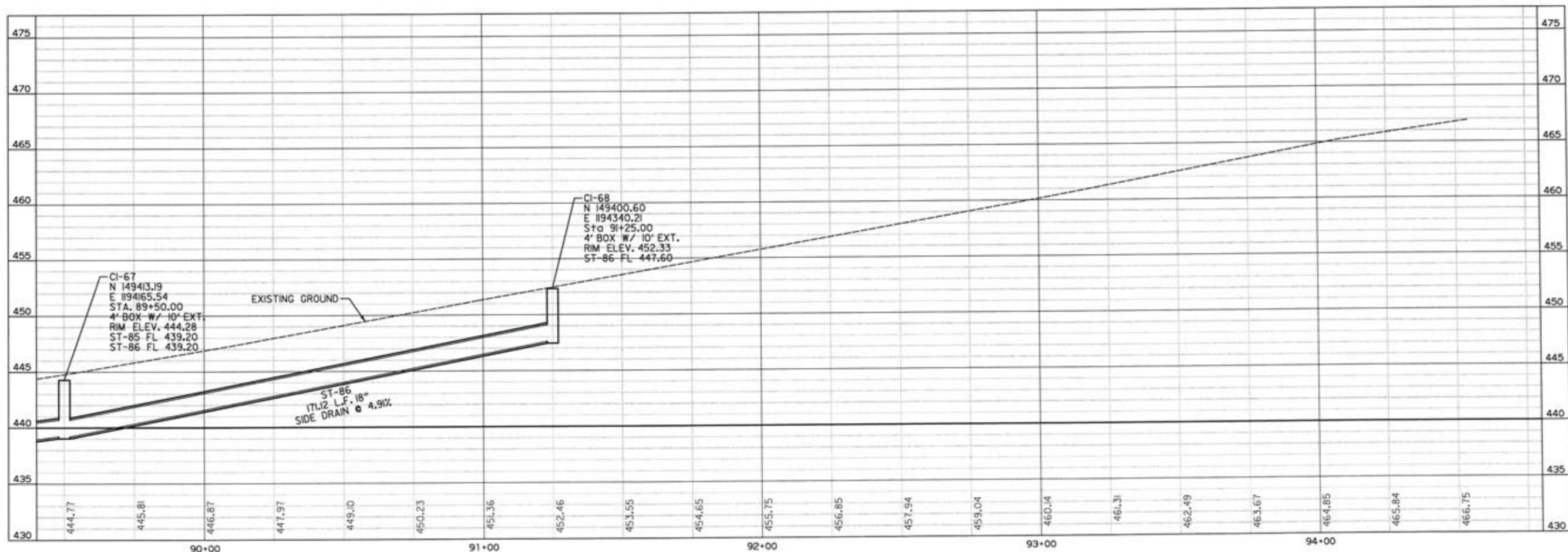
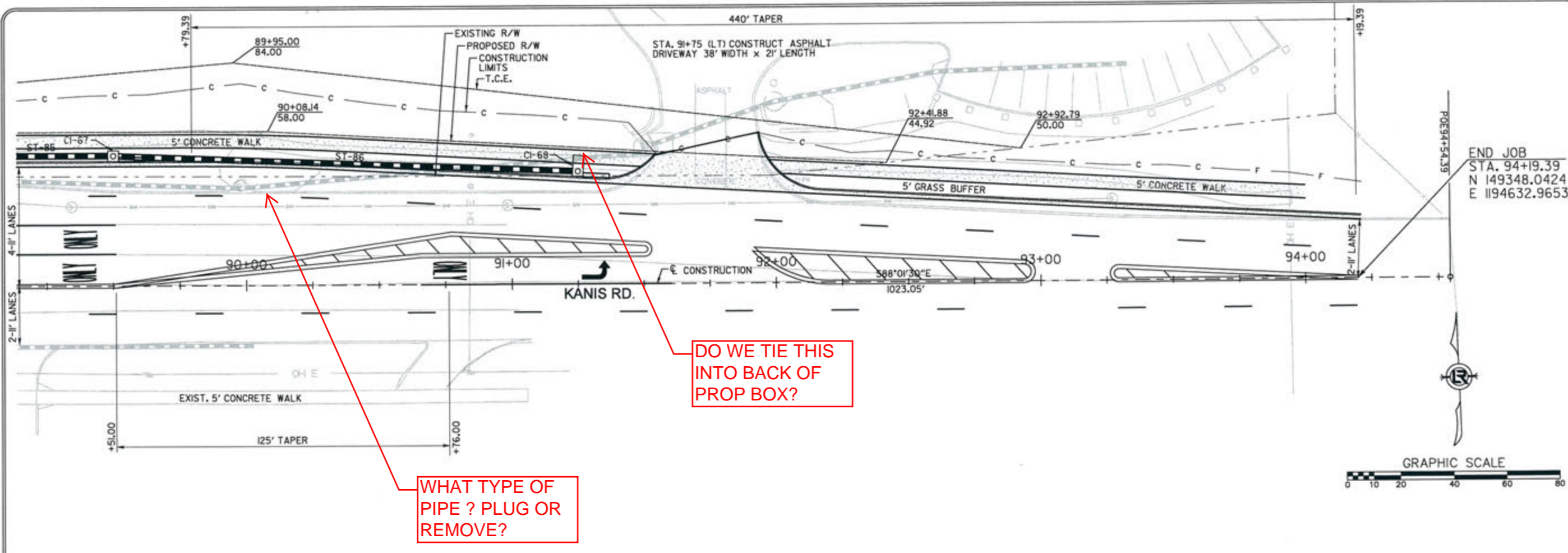
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 PLAN & PROFILE  
 KANIS ROAD SHEET 15

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-101**



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
PLAN & PROFILE  
KANIS ROAD SHEET 16

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOULBERT

3-15-17  
DRAWN BY  
RFR  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
2/24/17  
SCALE  
1" = 40'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-102

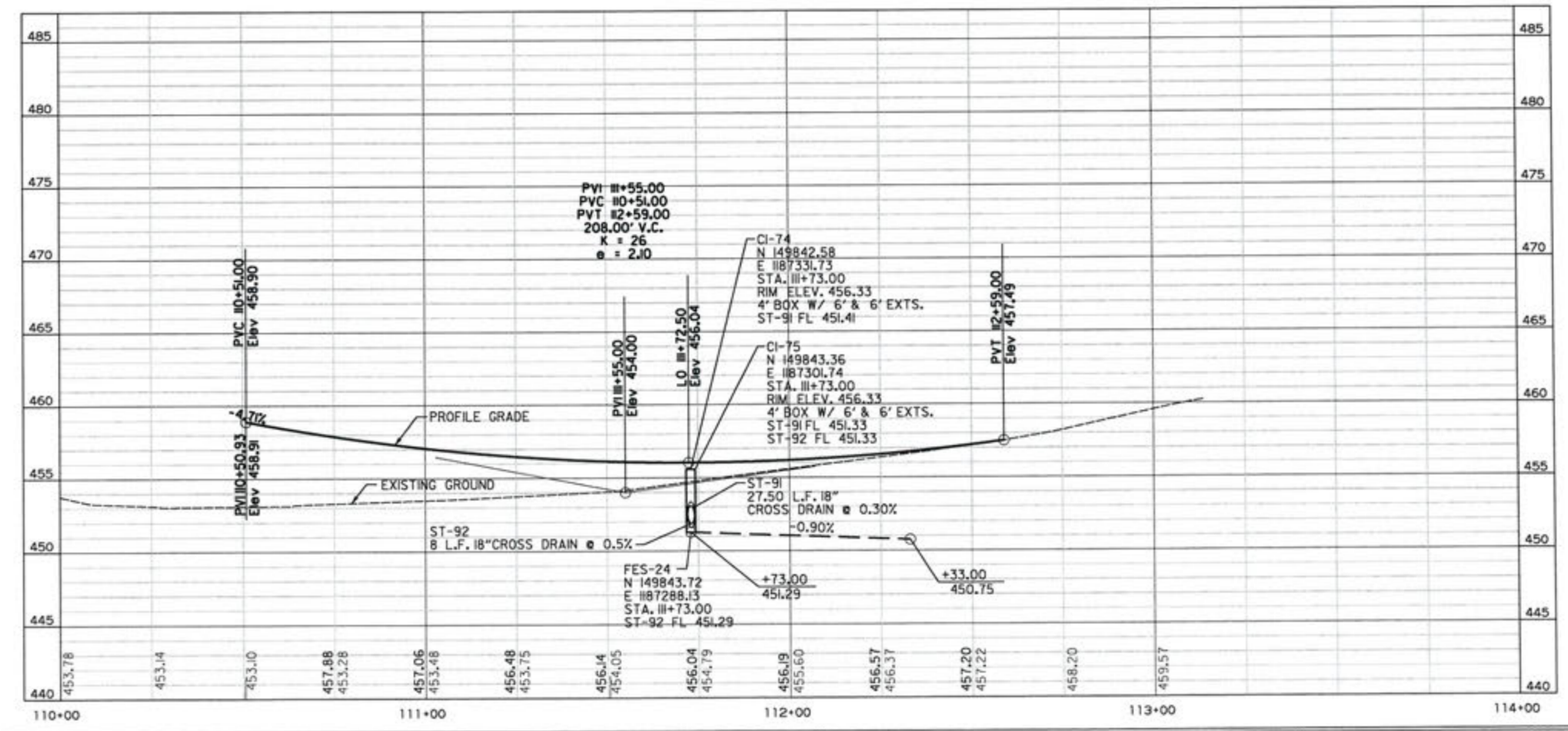
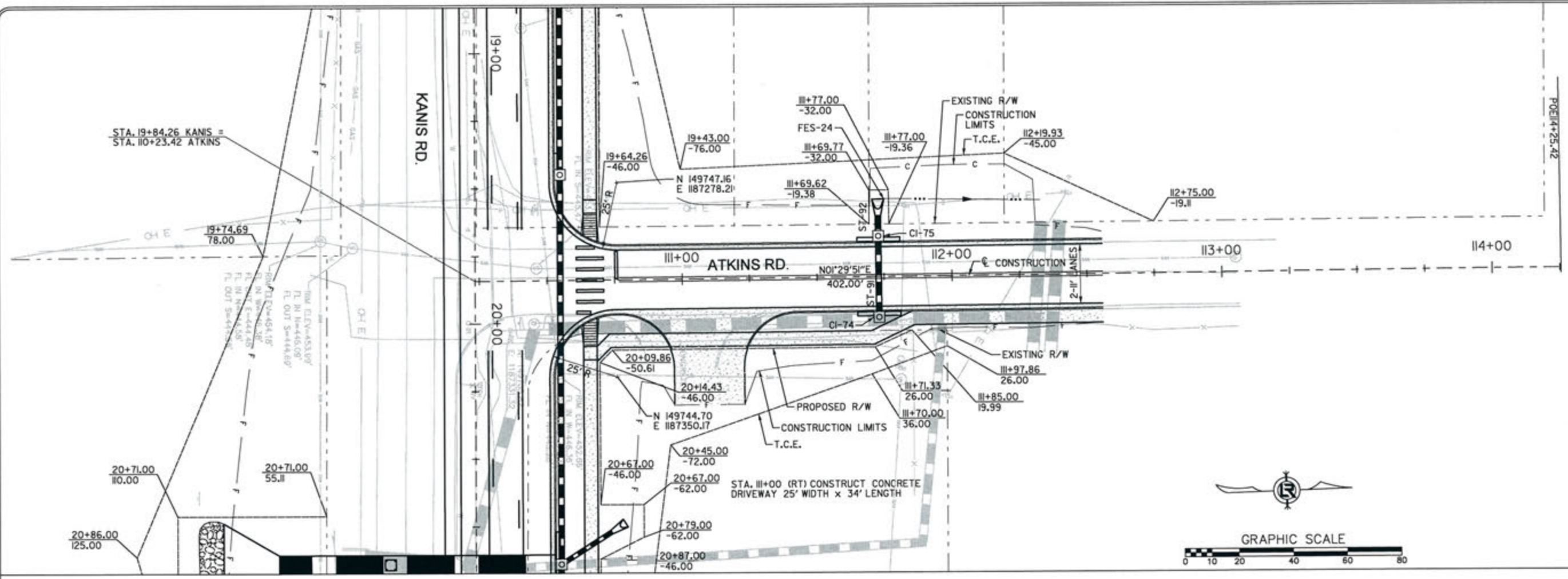
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 PLAN & PROFILE  
 ATKINS ROAD

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-103**



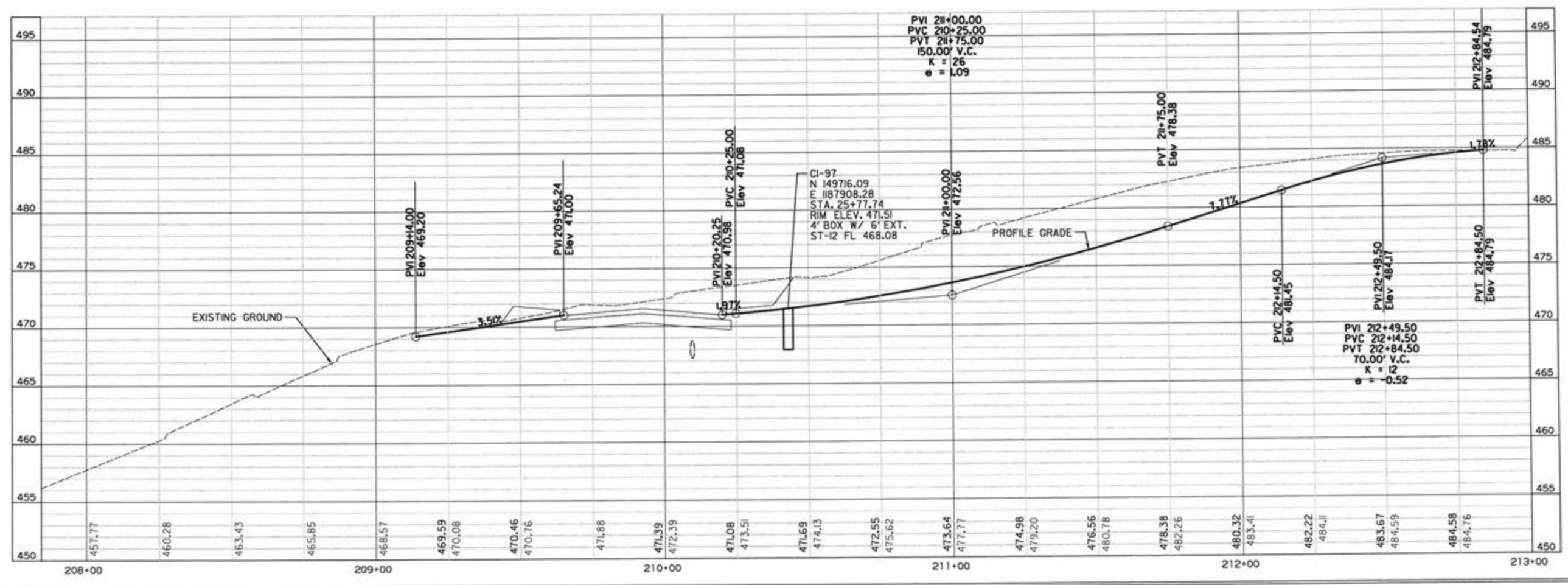
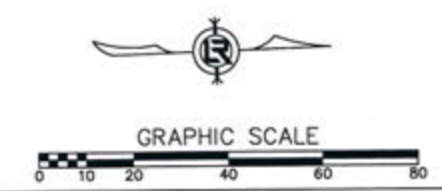
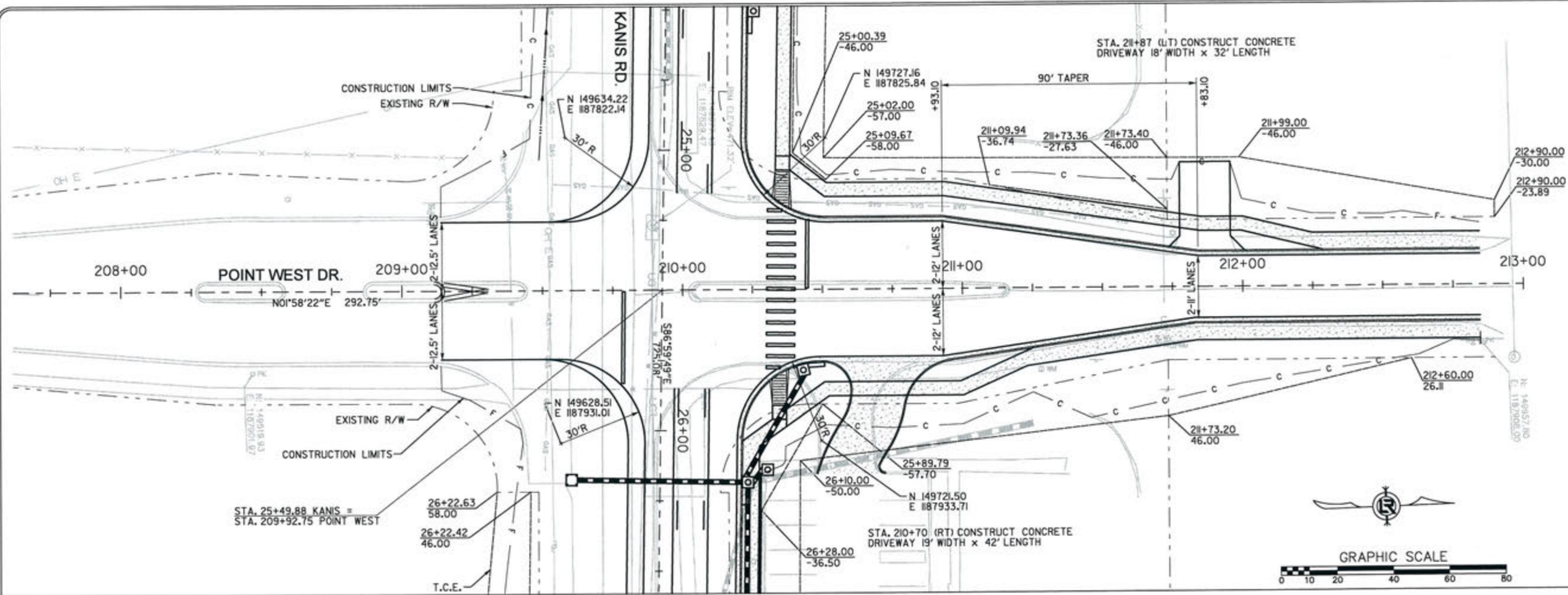
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 PLAN & PROFILE  
 POINT WEST DRIVE

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 KEVIN G. TOBLESTY

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-104**





REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 PLAN & PROFILE  
 CHERRY BROOK DRIVE

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TORLESBY

3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-50-6A  
 SHEET NO.  
**C-105**

POB 305+99.97

306+00

307+00

308+00

309+00

37+00

EXISTING R/W

CONSTRUCTION LIMITS

T.C.E.

37+48.94

-46.00

37+49.03

-56.00

37+49.10

-64.00

PROPOSED R/W

37+66.00

-56.00

37+66.00

-46.00

STA. 37+86.93 KANIS =  
 STA. 310+01.36 CHERRY BROOK

CONSTRUCTION LIMITS

EXISTING R/W

CONSTRUCTION

CHERRY BROOK DR.

EXISTING R/W

CONSTRUCTION LIMITS

N 149589.14  
 E 1189062.00

N 149566.13  
 E 1189163.38

35' R

32'

35' R

5' CONCRETE WALK

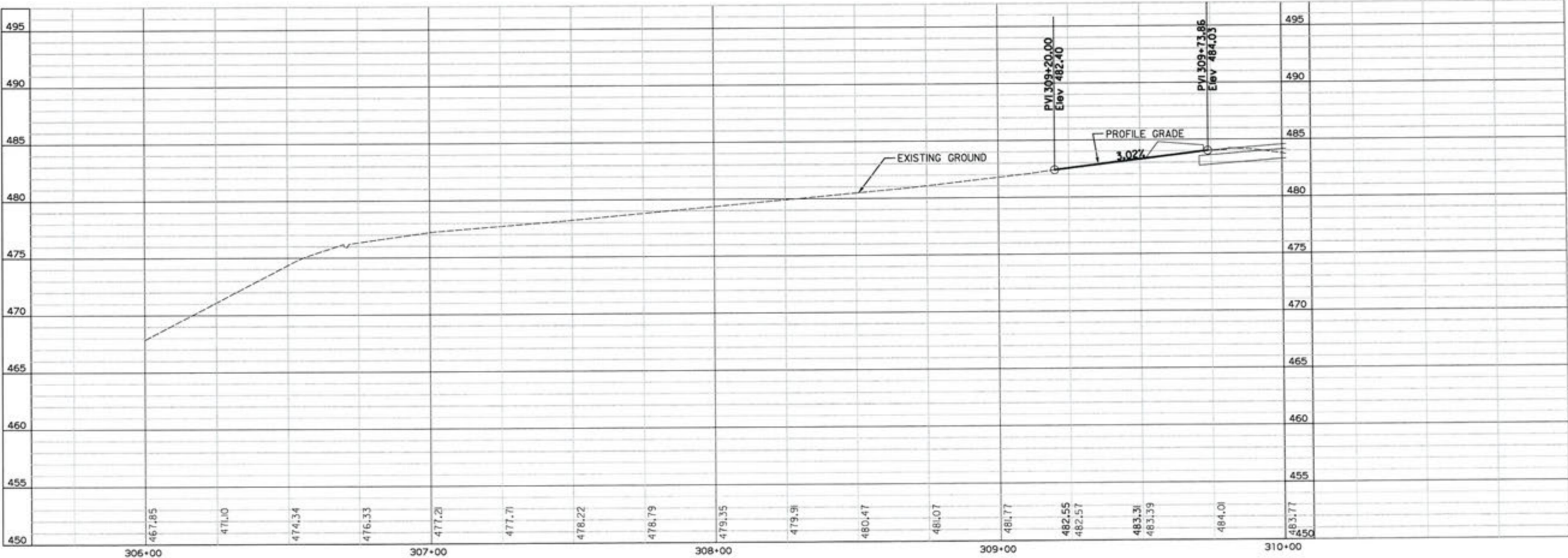
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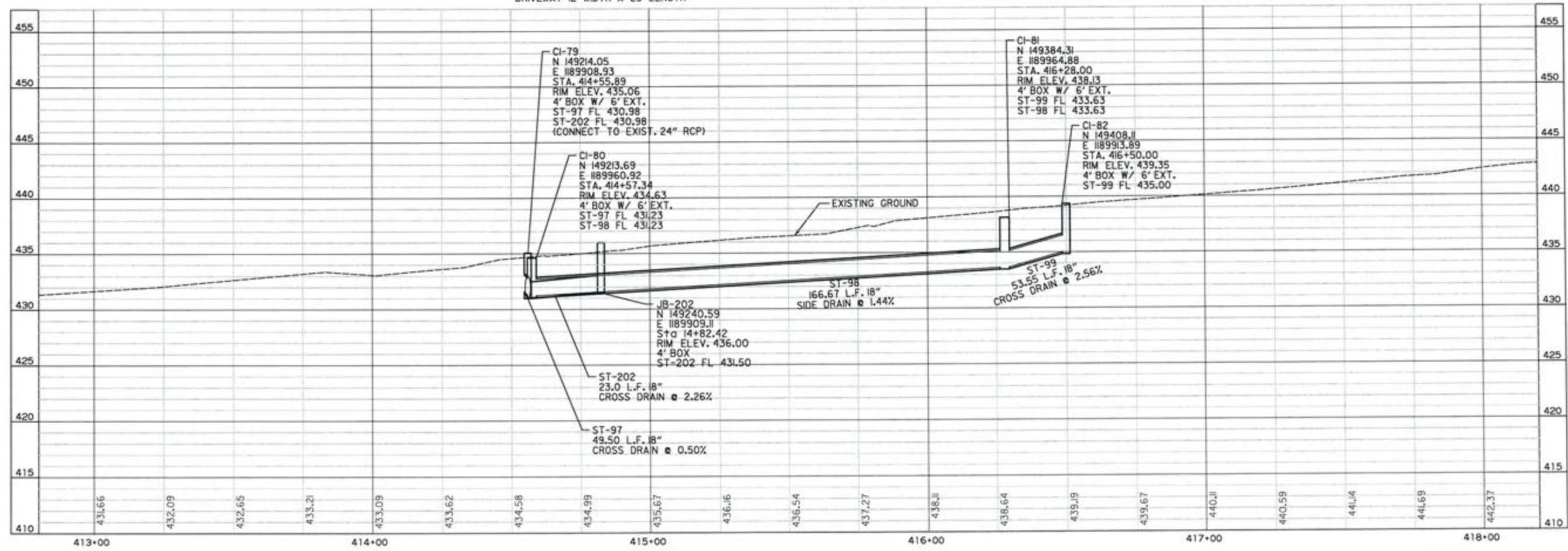
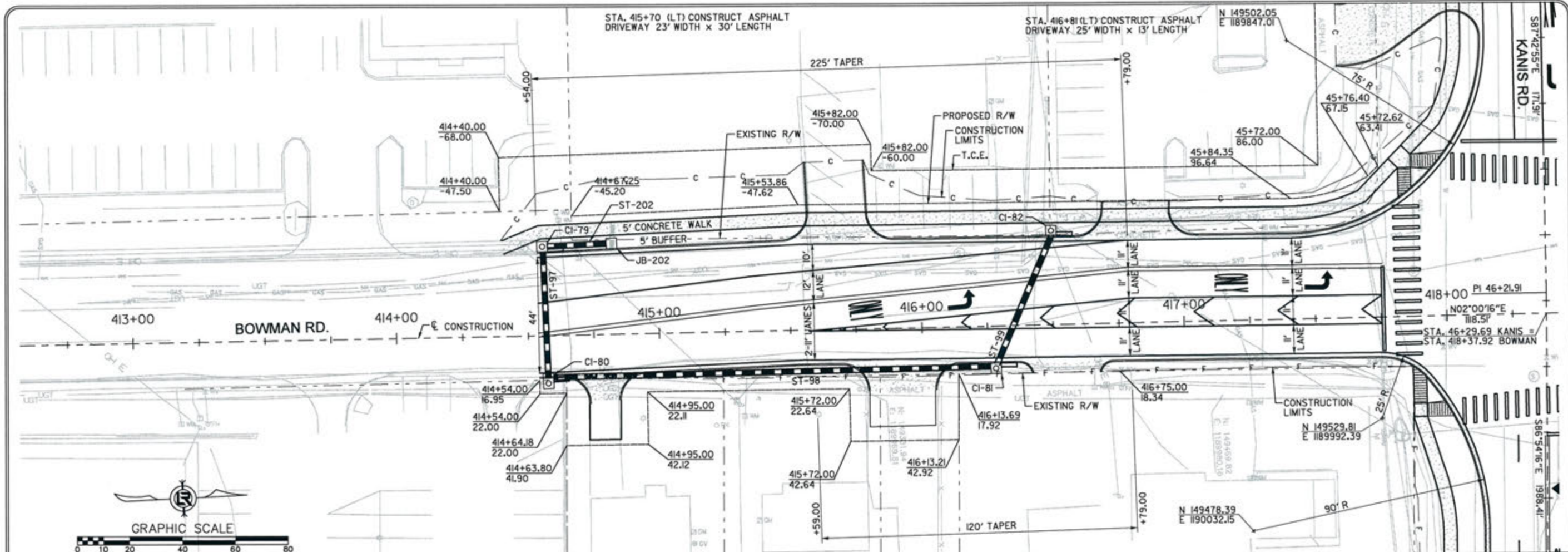
588'44.15' E 144.17'

N01°38'32"E  
 401.39'



GRAPHIC SCALE





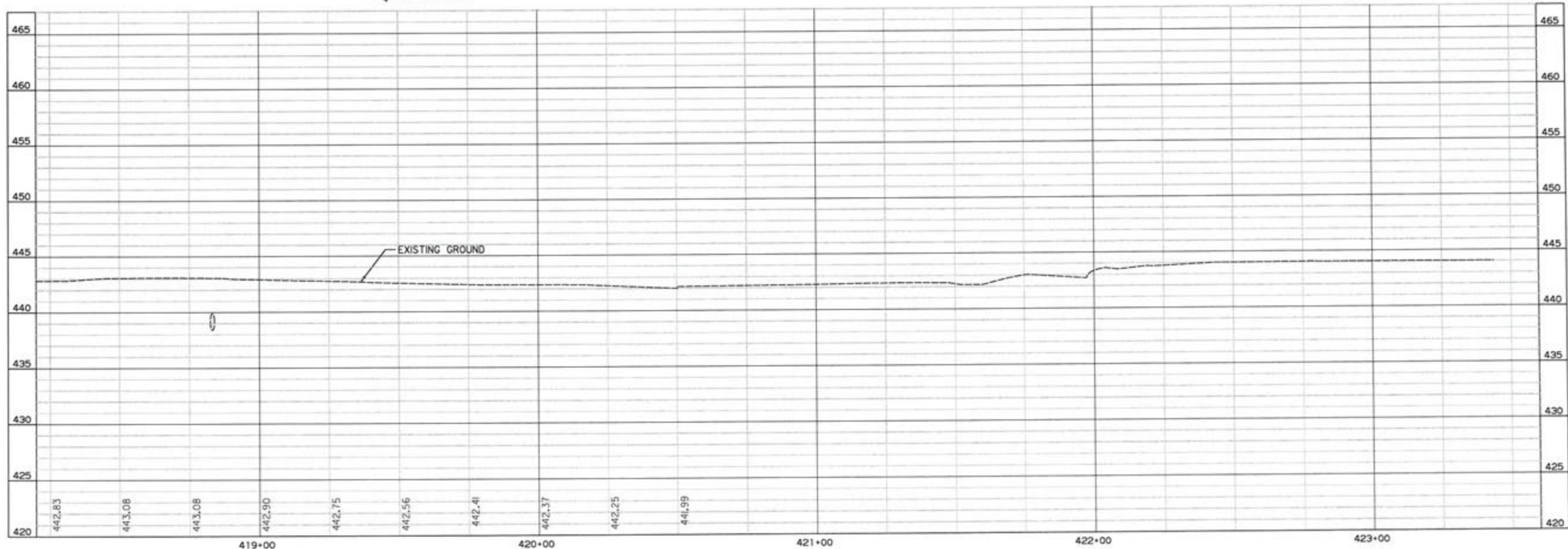
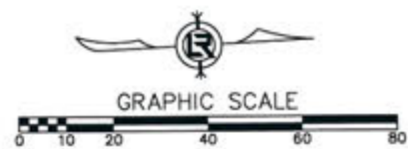
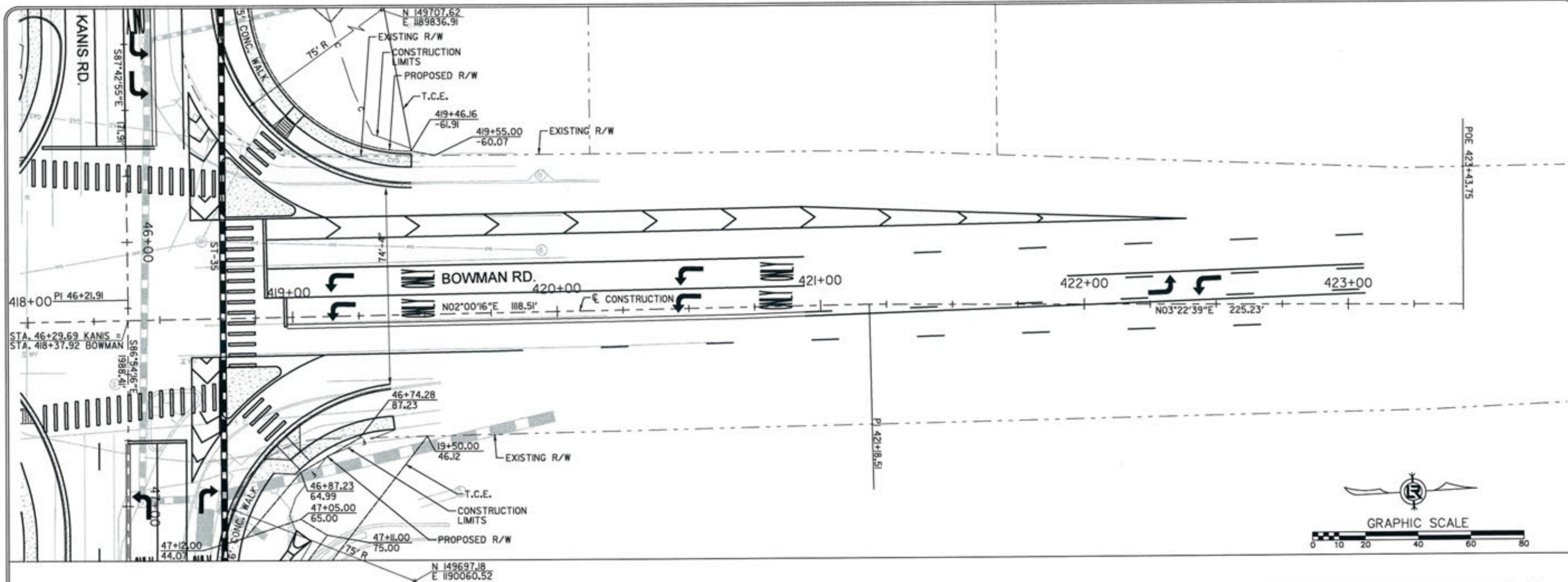
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 PLAN & PROFILE  
 BOWMAN ROAD SHEET 1

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 ERVIN G. TORLESKY  
 No. 11-07

375-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-106



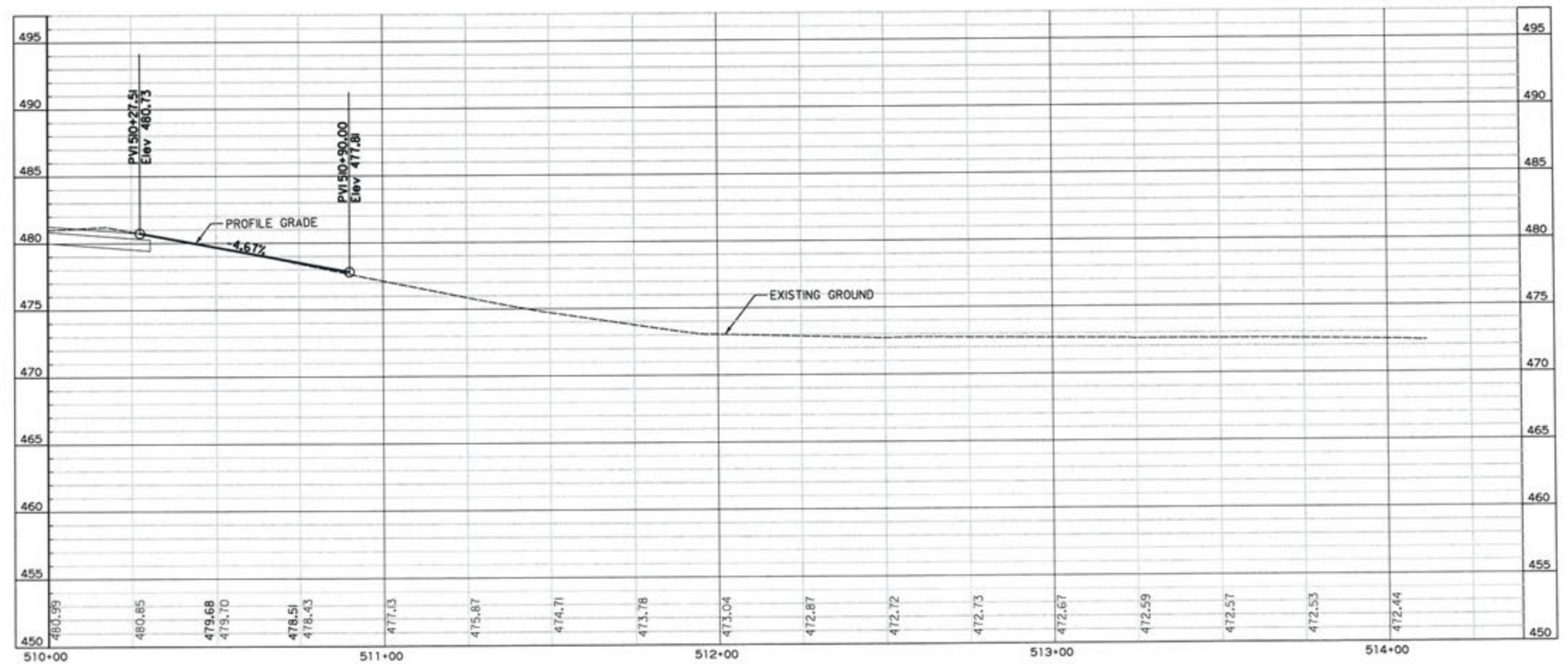
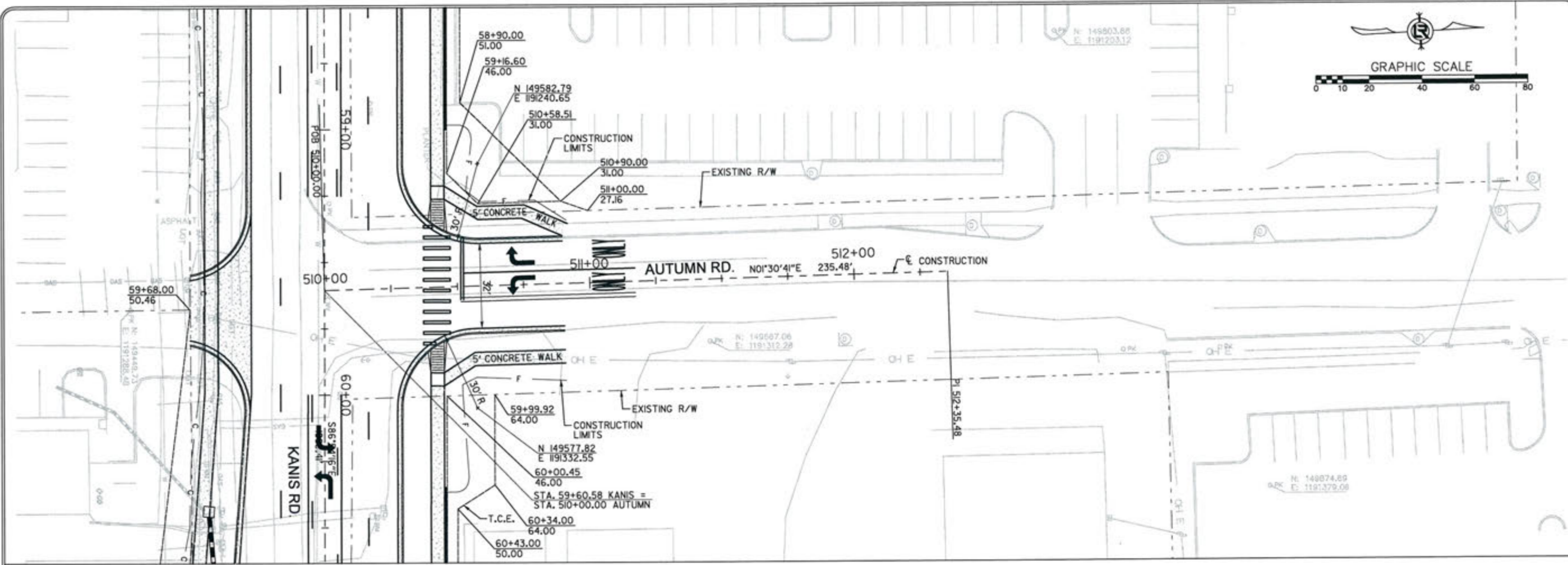
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
PLAN & PROFILE  
BOWMAN ROAD SHEET 2

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 ERVIN G. TOBLESKY

3-15-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-107**



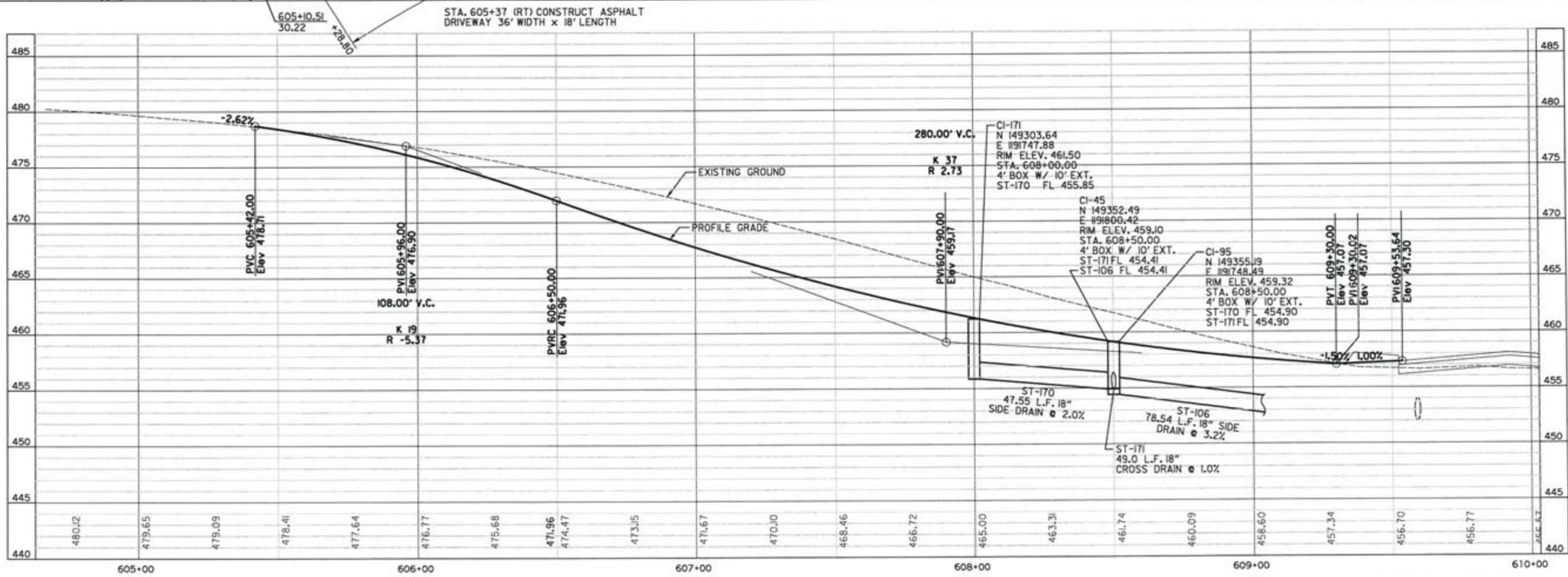
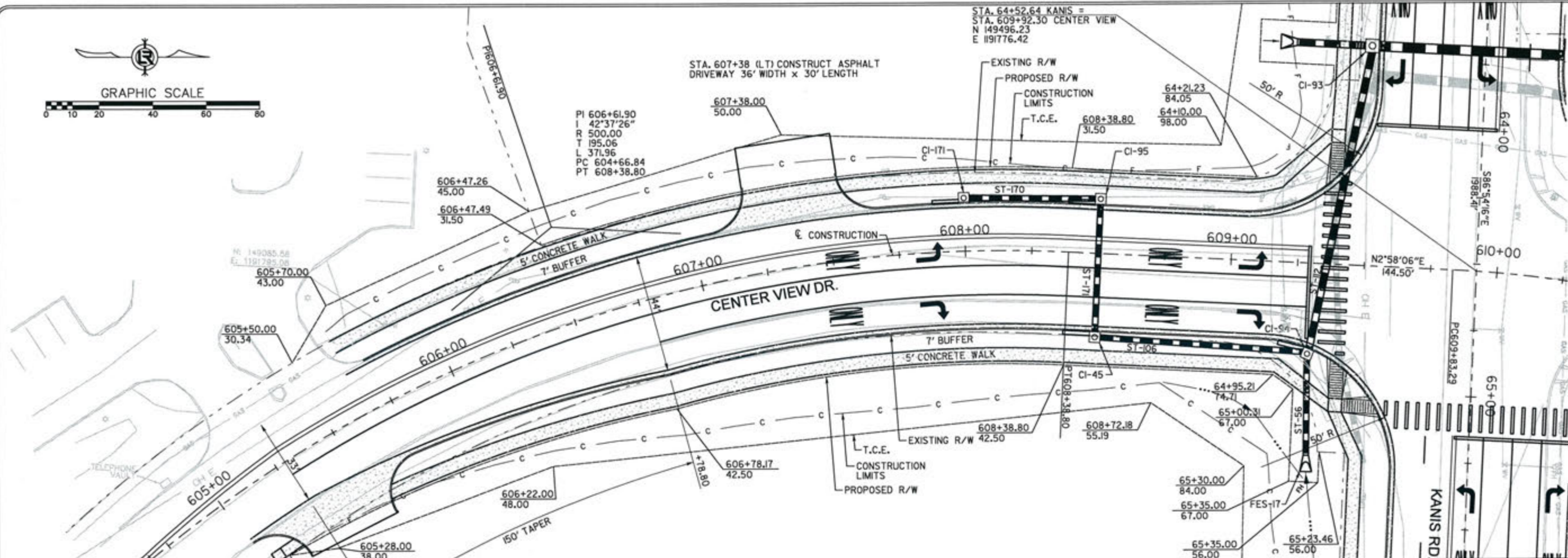
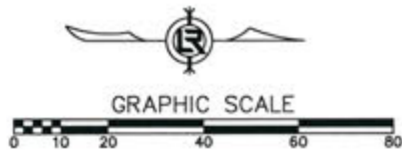
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**KANIS ROAD**  
**PLAN & PROFILE**  
**AUTUMN ROAD**

  
**DEPARTMENT OF PUBLIC WORKS**  
**CIVIL ENGINEERING**  
**701 W. MARKHAM**  
**LITTLE ROCK, ARKANSAS 72201**

  
**ERVIN G. TOMLESKY**  
**REGISTERED PROFESSIONAL ENGINEER**  
**STATE OF ARKANSAS**  
**No. 11407**

**7-15-17**  
**DRAWN BY**  
**RFR**  
**DESIGNED**  
**RFR**  
**CHECKED**  
**KGT**  
**DATE**  
**2/24/17**  
**SCALE**  
**1" = 40'**  
**PROJECT NO.**  
**13-B-5D-6A**  
**SHEET NO.**  
**C-108**



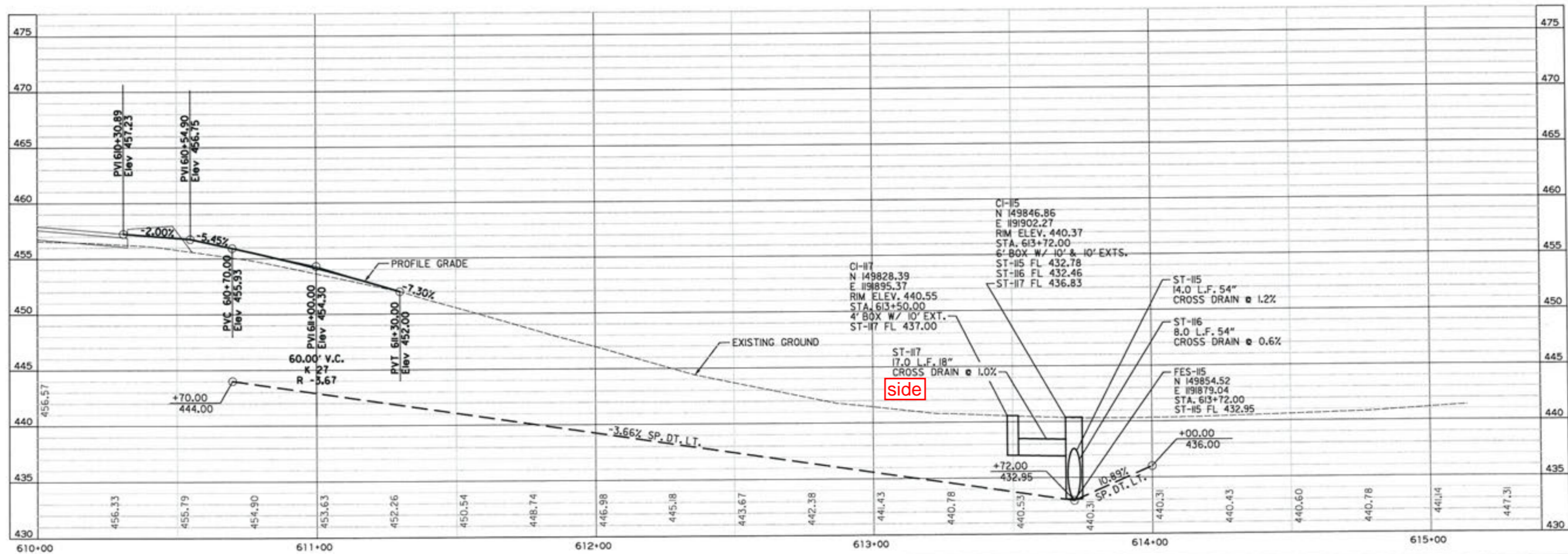
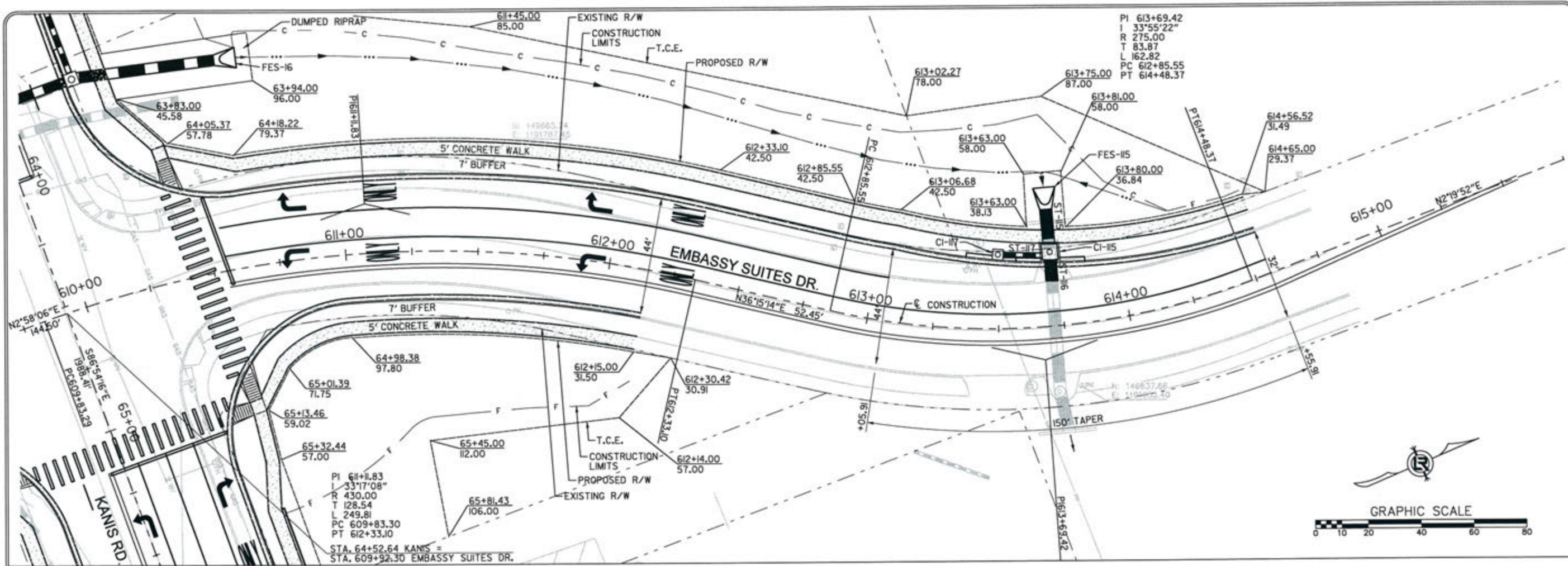
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 PLAN & PROFILE  
 CENTER VIEW DRIVE

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-109**



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 EMBASSY SUITES DRIVE  
 PLAN & PROFILE

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 ERVIN G. TOBIASZKY

3-5-17  
 DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-110

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REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD

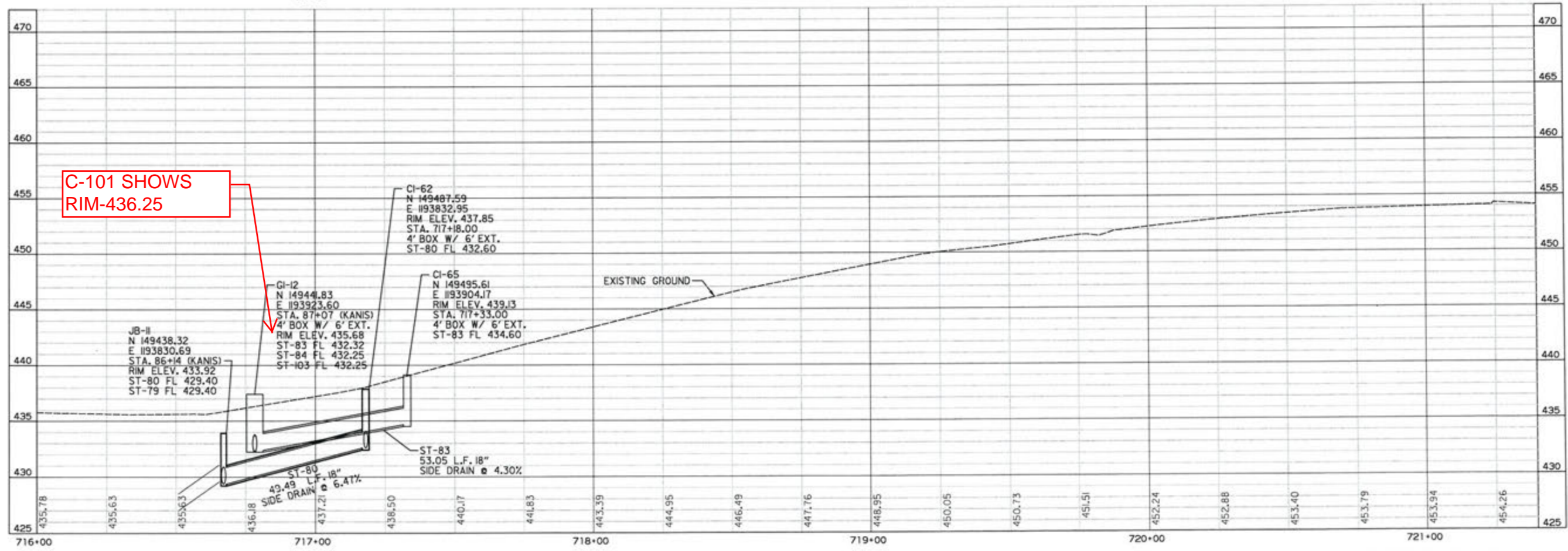
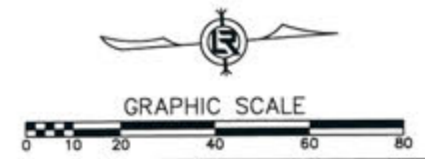
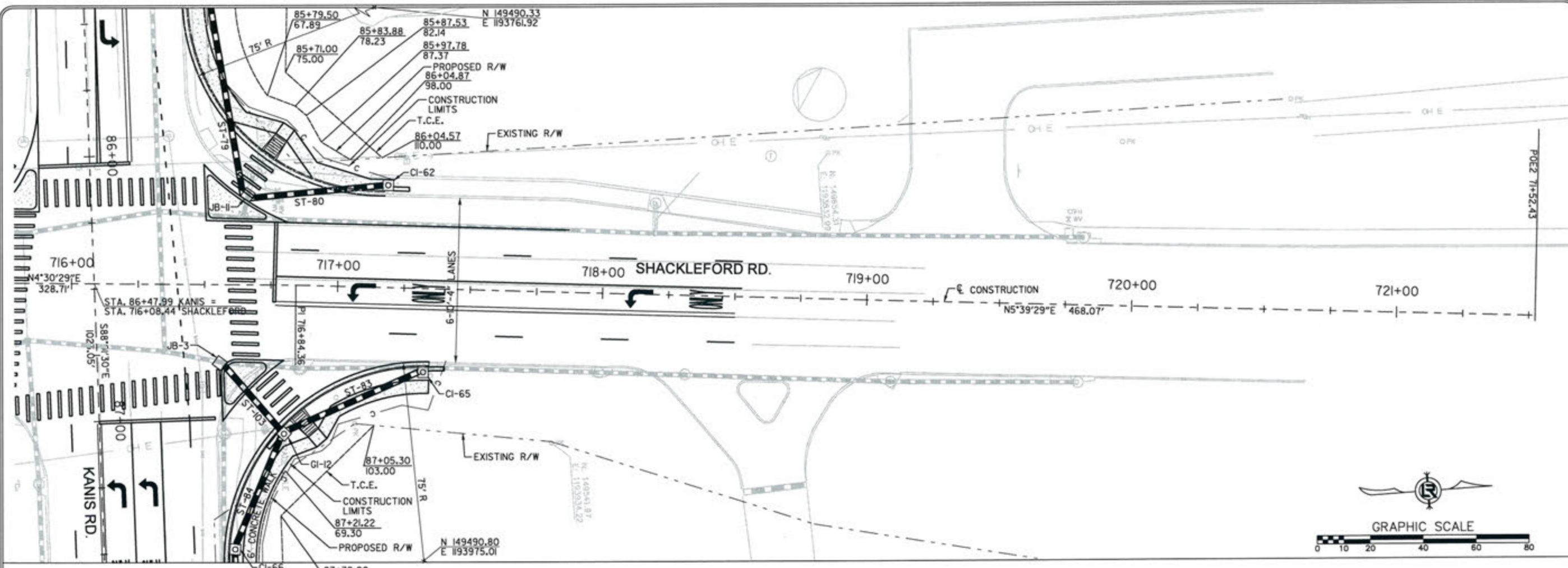
PLAN & PROFILE



DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201



DRAWN BY
RFR
DESIGNED
RFR
CHECKED
KGT
DATE
2 / 24 / 17
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-111



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 PLAN & PROFILE  
 SHACKLEFORD ROAD SHEET 1

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 ERVIN G. TOLBERT  
 No. 11477

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGJ
DATE	2/24/17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-112



## TRAFFIC SIGNAL NOTES

1. PERFORM ELECTRICAL WORK IN ACCORDANCE WITH THE CURRENT EDITIONS OF THE NFPA 70 (2014) NATIONAL ELECTRICAL CODE, NFPA 101(2012) LIFE SAFETY CODE, STATE ELECTRICAL CODE AND LOCAL ELECTRICAL CODE.
2. EXTEND GREEN EQUIPMENT GROUNDING CONDUCTOR (EGC) FROM GROUND BAR AT MAIN BREAKER TO CONTROL PANEL AND TO FIRST POLE. SOLIDLY BOND EGC TO GROUND LUG OF CONTROL CABINET AND TO POLE GROUND. ENSURE THAT ONLY ONE NEUTRAL-TO-GROUND BOND EXISTS IN THE SYSTEM AND THAT IT IS AT THE MAIN BREAKER.
3. ELECTRICAL SERVICE SHALL BE PROVIDED BY THE CITY TO A SERVICE POLE WITH EXTERNAL RAIN-TIGHT BREAKER (MAIN BREAKER), GALVANIZED STEEL SERVICE RISER, METER LOOP (IF REQUIRED), AND WEATHERHEAD AT A MUTUALLY ACCEPTABLE POINT WITHIN THE RIGHT-OF-WAY. IF THE SERVICE POINT IS OVER 10 FEET FROM THE CONTROLLER, THE CONTRACTOR SHALL PROVIDE AND INSTALL A SEPARATE TWO CIRCUIT EXTERNAL BREAKER (SECONDARY BREAKER) ON OR NEAR THE TRAFFIC SIGNAL CONTROLLER CABINET AND SHALL INSTALL CONDUIT, ELECTRICAL SERVICE WIRE (2c/\*6 USE RATED, WITH GROUND TYPICAL), AND PERFORM WIRING TO TAP INTO THE CITY'S MAIN BREAKER AS PART OF THIS CONTRACT. CONDUIT IS PAID FOR AS A SEPARATE ITEM OF THIS CONTRACT. TWO CIRCUIT BREAKERS, CONSIDERED SUBSIDIARY TO THE CONTROL EQUIPMENT, ARE NEEDED WHERE STREET LIGHTING IS INCLUDED. AS PART OF THE SIGNAL INSTALLATION, STREET LIGHTING CIRCUIT (2c/\*12 AWG UF RATED, TYPICAL) SHALL BE KEPT FROM THE CIRCUIT SERVING THE TRAFFIC SIGNAL CONTROL EQUIPMENT FROM THE POINT OF TIE-IN AT THE SECONDARY BREAKER PROVIDED BY THE CONTRACTOR.
4. CONTRACTOR SHALL CONNECT A SEPARATE NEUTRAL FOR EACH LOAD SWITCH REPRESENTED ON EACH SIGNAL POLE.
5. TRAFFIC CONTROLLER CABINET AND LAYOUT SHALL BE SUCH THAT IT IS NOT NECESSARY TO SHUT DOWN POWER OR REMOVE LOAD SWITCHES IN ORDER TO EASILY TEST OR MODIFY DETECTOR INPUTS TO THE CONTROLLER.
6. CONTROLLER CABINET SHALL BE WIRED SUCH THAT DURING FLASH OPERATIONS POWER TO THE LOAD SWITCHES CANNOT BACKFEED TO LOAD SWITCH POWER BUSS.
7. ALL PARTS OF THIS INSTALLATION SHALL BE IN ACCORDANCE WITH THE ARKANSAS HIGHWAY AND TRANSPORTATION DEPARTMENT STANDARDS AND DETAILS AND WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITIONS.
8. CONDUIT INSTALLED UNDER ROADWAY SURFACES SHALL BE INSTALLED BY PUSHING OR BORING METHODS. IF THE ENGINEER DETERMINES THIS IS NOT FEASIBLE, THEN A TRENCHING METHOD AS SHOWN IN THE DETAILS MAY BE USED. ALL BORED CONDUIT SHALL BE SCHEDULE 80 HDPE, WITH NO UNDERGROUND SPLICES.
9. TRAFFIC SIGNAL POLES SHALL BE GALVANIZED WITH STEEL HAND HOLE COVER. BACKPLATES SHALL BE SUPPLIED FOR ALL SIGNAL HEADS.
10. PAVEMENT MARKING SHOWN FOR REFERENCE ONLY. SEE PAVEMENT MARKING PLAN SHEETS.
11. FOUNDATION FOR ALL POLES SHALL BE EXTENDED IF NECESSARY TO ACCOMMODATE THE REQUIREMENTS FOR SIGNAL HEAD CLEARANCE ABOVE ROADWAY ONLY AT LOCATIONS WHERE THE GROUND ELEVATION AT THE POLE IS BELOW THE ELEVATION OF THE ROADWAY (SEE NOTES ON SPECIAL DETAILS). PAYMENT WILL BE INCLUDED IN SECTION 714, AHTD STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION.
12. ALL BOXES SHALL BE (TYPE 2 HD) UNLESS OTHERWISE INDICATED. ALL CONDUIT SHALL BE 3" DIAMETER UNLESS SPECIFIED ON PLANS.
13. CONTRACTOR SHALL NOTIFY ALL EXISTING UTILITY OWNERS BEFORE BEGINNING WORK ON THIS PROJECT.
14. HARDWARE INPUTS MAY BE DETERMINED BY SUPPLIER. EACH DETECTOR OUTPUT SHALL INPUT THE CONTROLLER THROUGH A SEPARATE INPUT UNLESS OTHERWISE NOTED AND BE PROGRAMMED TO ACTUATE THE ASSOCIATED PHASE. COMBINATION (COMB.) DETECTORS SHALL ALSO BE PROGRAMMED TO PROVIDE VEHICLE COUNT/OCCUPANCY DATA.
15. TO DETERMINE UTILITY CLEARANCES ABOVE THE TRAFFIC SIGNAL POLE, REFER TO THE POLE SCHEDULE FOR VERTICAL SHAFT HEIGHT. WHERE THE POLE SCHEDULE INDICATES THAT A LUMINAIRE ARM WILL BE USED, 38 FEET SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE LUMINAIRE ARM. WHERE THE POLE SCHEDULE INDICATES A TRAFFIC SIGNAL POLE WITHOUT A LUMINAIRE ARM, A HEIGHT OF 21' SHOULD BE USED TO DETERMINE UTILITY CLEARANCE ABOVE THE TRAFFIC SIGNAL MAST ARM. AN ADDITIONAL 6 FEET SHOULD BE USED DIRECTLY ABOVE "VIDEO DETECTOR" AT LOCATIONS SHOWN ON THE SIGNAL PLANS.
16. THE DESIRABLE MINIMUM DISTANCE FROM THE FACE OF ROADWAY CURB OR SHOULDER EDGE TO THE FACE OF NON-BREAKAWAY POLE OR OBSTRUCTION IS 6 FEET. REFER TO TRAFFIC SIGNAL PLANS FOR SPECIFIC LOCATION OF POLES, CONTROLLER AND ANY OTHER NON-BREAKAWAY OBSTRUCTIONS. REFER TO "DESIGN PARAMETERS, MINIMUM CLEAR ZONE DISTANCE" FOR MINIMUM DISTANCE FROM THE EDGE OF TRAVELED WAY TO THE FACE OF A NON-BREAKAWAY POLE OR OBSTRUCTION. TRAFFIC SIGNAL POLES OR ANY OTHER NON-BREAKAWAY OBSTRUCTION SHALL NOT BE INSTALLED WITHIN THE CLEAR ZONE.
17. AS DETERMINED BY THE ENGINEER, FOUNDATION EMBEDMENT MAY BE DECREASED BY A MAXIMUM OF TWO FEET IF COMPETENT ROCK IS ENCOUNTERED PRIOR TO ACHIEVING PLAN EMBEDMENT AND AT LEAST HALF OF THE REMAINING PLAN EMBEDMENT LENGTH IS KEYED INTO COMPETENT ROCK.
18. CONNECTION OF TRAFFIC SIGNAL DISPLAY TO FIELD WIRING SHALL UTILIZE AN APPROVED TERMINAL STRIP BEHIND HAND-HOLE COVER AT BASE OF POLE. TERMINAL STRIP SHALL PROVIDE PROTECTION TO PREVENT EXPOSURE TO THE PUBLIC IN THE EVENT THAT POLE COVER IS MISSING. PAYMENT FOR TERMINAL STRIPS SHALL BE INCLUDED IN ITEM 714-TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION.
19. CONTROLLER CABINET LAYOUT AND ORIENTATION SHALL CONFORM TO ISMA STANDARDS.
20. ONE VIDEO PROGRAMMING MODULE SHALL BE PROVIDED FOR AIMING AND SETUP OF DETECTORS IF THE VIDEO SYSTEM CANNOT BE ADJUSTED THROUGH HARDWARE AND SOFTWARE PROVIDED BY ITEMS WITHIN THE JOB.
21. TRAFFIC SIGNAL CONTRACTOR MUST NOTIFY RESIDENT ENGINEER OR ASSIGNED DEPARTMENT PROJECT INSPECTOR EACH DAY PRIOR TO SIGNAL RELATED WORK. NO WORK ON TRAFFIC SIGNALS WILL BE ALLOWED OR APPROVED WITHOUT THIS PRIOR NOTIFICATION.
22. ALL STEEL POLES SHALL BE DESIGNED TO MEET THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION (2001) WITH 2003 AND 2006 INTERIMS.
23. CONTROLLER AND COMMUNICATIONS SHALL BE COMPATIBLE WITH AND CONNECTED TO EXISTING COMMUNICATION FOR THE CITY OF LITTLE ROCK.

## GENERAL NOTES

1. GRADE LINE DENOTES FINISHED GRADE WHERE SHOWN ON THE PLANS.
2. ALL PIPE LINES, POWER, TELEPHONE, AND TELEGRAPH LINES TO BE MOVED OR LOWERED BY THE RESPECTIVE OWNERS AS PER AGREEMENT WITH SUCH OWNERS.
3. ANY EQUIPMENT OR APPURTENANCE THAT INTERFERES WITH THE PROPOSED CONSTRUCTION AND WHICH MAY BE THE PROPERTY OF UTILITY SERVICE ORGANIZATIONS SHALL BE MOVED BY THE OWNERS UNLESS OTHERWISE PROVIDED.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING U.S. MAILBOXES WITHIN THE PROJECT LIMITS IN SUCH A MANNER THAT THE PUBLIC MAY RECEIVE CONTINUED MAIL SERVICE. PAYMENT WILL BE CONSIDERED INCLUDED IN THE PRICE BID FOR THE VARIOUS BID ITEMS.
5. ALL LAND MONUMENTS LOCATED WITHIN THE CONSTRUCTION AREA SHALL BE PROTECTED IN ACCORDANCE WITH SECTION 107.12 OF THE STANDARD SPECIFICATIONS.
6. ALL TREES THAT DO NOT DIRECTLY INTERFERE WITH THE PROPOSED CONSTRUCTION SHALL BE SPARED AS DIRECTED BY THE ENGINEER. CARE AND DISCRETION SHALL BE USED TO INSURE THAT ALL TREES NOT TO BE REMOVED SHALL BE HARMED AS LITTLE AS POSSIBLE DURING THE CONSTRUCTION OPERATIONS.

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS

KANIS ROAD

SIGNALIZATION GENERAL NOTES &  
TRAFFIC SIGNAL NOTES

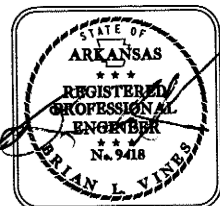


DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



3.15.2017

DRAWN BY

JAB

DESIGNED

JAB

CHECKED

BLV

DATE

5/22/15

SCALE

NTS

PROJECT NO.

13-B-5D-6A

SHEET NO.

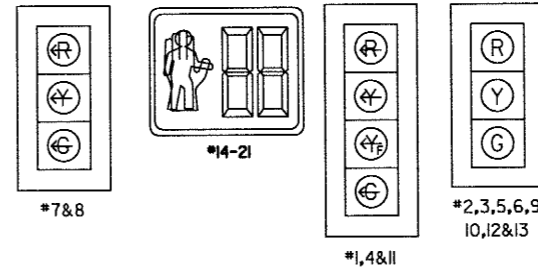
C-113

# TRAFFIC SIGNAL QUANTITIES

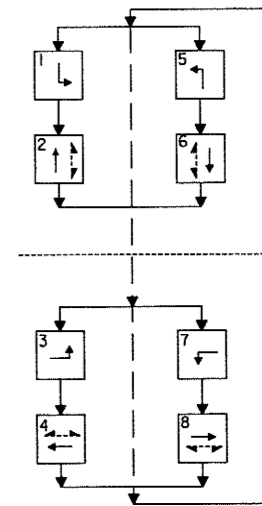
ITEM NO.	ITEM	QUAN.	UNIT
SP & 701	ACTUATED CONTROLLER TS2 - TYPE 2 (8 PHASES)	1	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1WAY)	10	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1WAY)	3	EACH
SP & 707	COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED	8	EACH
708	TRAFFIC SIGNAL CABLE (5c/14 A.W.G.)	2229	LIN. FT.
708	TRAFFIC SIGNAL CABLE (7c/14 A.W.G.)	293	LIN. FT.
708	TRAFFIC SIGNAL CABLE (20c/14 A.W.G.)	605	LIN. FT.
709	GALVANIZED STEEL CONDUIT (1.25")	11	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")	11	LIN. FT.
710	NON-METALLIC CONDUIT (2")	220	LIN. FT.
710	NON-METALLIC CONDUIT (3")	792	LIN. FT.
SS & 711	CONCRETE PULL BOX (TYPE 2 HD)	7	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (32')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (52')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (54')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (64')	1	EACH
SS & 715	TRAFFIC SIGNAL PEDESTAL POLE WITH FOUNDATION	1	EACH
733	VIDEO CABLE	827	LIN. FT.
SP & 733	VIDEO DETECTOR (CLR)	4	EACH
733	VIDEO MONITOR (CLR)	1	EACH
SP & 733	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	2	EACH
SP & 733	VEHICLE DETECTOR RACK (16 CHANNEL)	1	EACH
SP	ELECTRICAL CONDUCTORS -IN- CONDUIT (2c/6 A.W.G.)	22	LIN. FT.
SP	ELECTRICAL CONDUCTORS -IN- CONDUIT (1c/8 A.W.G., EGC)	754	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	649	LIN. FT.
SP	LUMINAIRE ASSEMBLY	4	EACH
SP	18" STREET NAME SIGN	4	EACH
SP	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	1	L.S.
SP	LOCAL RADIO WITH ANTENNA	1	EACH
SP	ANTENNA CABLE (TYPE 6)	112	LIN. FT.
SP	SERVICE POINT ASSEMBLY	1	EACH

## SIGNAL FACES

12" LENSES



## PHASING DIAGRAM



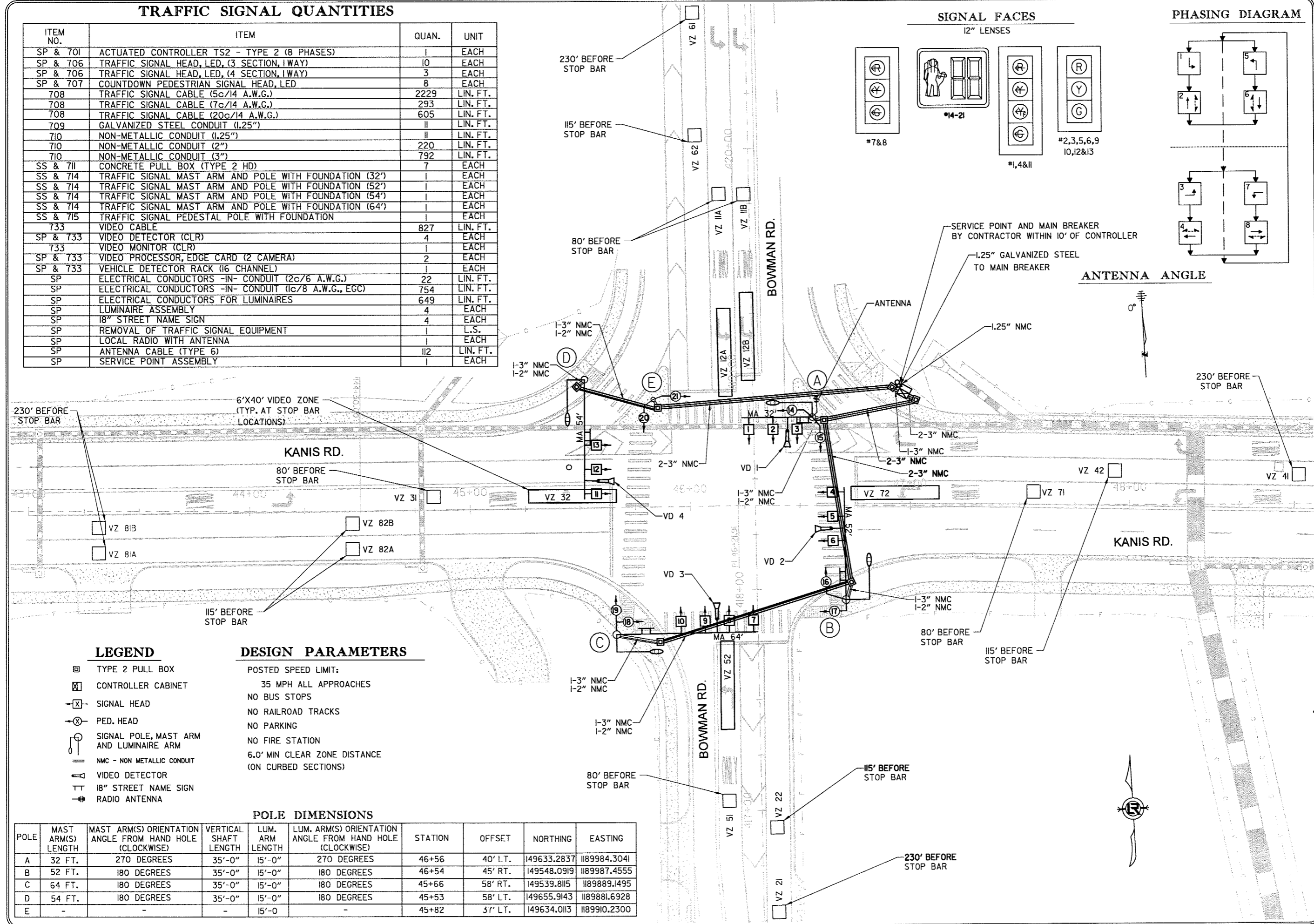
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 SIGNALIZATION PLAN  
 BOWMAN ROAD SHEET 1

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9418  
 JERIAN L. VINES

3/18/2017  
 DRAWN BY JAB  
 DESIGNED JAB  
 CHECKED BLV  
 DATE 5/22/15  
 SCALE 1" = 40'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-114



### LEGEND

- ☐ TYPE 2 PULL BOX
- ☒ CONTROLLER CABINET
- ⊠ SIGNAL HEAD
- ⊙ PED. HEAD
- ⊕ SIGNAL POLE, MAST ARM AND LUMINAIRE ARM
- || NMC - NON METALLIC CONDUIT
- ⊠ VIDEO DETECTOR
- TT 18" STREET NAME SIGN
- ⊕ RADIO ANTENNA

### DESIGN PARAMETERS

- POSTED SPEED LIMIT: 35 MPH ALL APPROACHES
- NO BUS STOPS
- NO RAILROAD TRACKS
- NO PARKING
- NO FIRE STATION
- 6.0' MIN CLEAR ZONE DISTANCE (ON CURBED SECTIONS)

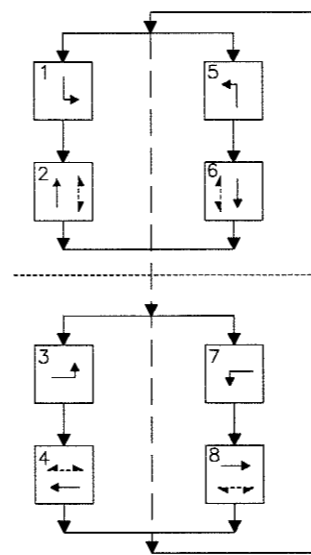
### POLE DIMENSIONS

POLE	MAST ARM(S) LENGTH	MAST ARM(S) ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	VERTICAL SHAFT LENGTH	LUM. ARM LENGTH	LUM. ARM(S) ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	STATION	OFFSET	NORTHING	EASTING
A	32 FT.	270 DEGREES	35'-0"	15'-0"	270 DEGREES	46+56	40' LT.	149633.2837	1189984.3041
B	52 FT.	180 DEGREES	35'-0"	15'-0"	180 DEGREES	46+54	45' RT.	149548.0919	1189987.4555
C	64 FT.	180 DEGREES	35'-0"	15'-0"	180 DEGREES	45+66	58' RT.	149539.8115	1189889.1495
D	54 FT.	180 DEGREES	35'-0"	15'-0"	180 DEGREES	45+53	58' LT.	149655.9143	1189881.6928
E	-	-	-	15'-0"	-	45+82	37' LT.	149634.0113	1189910.2300

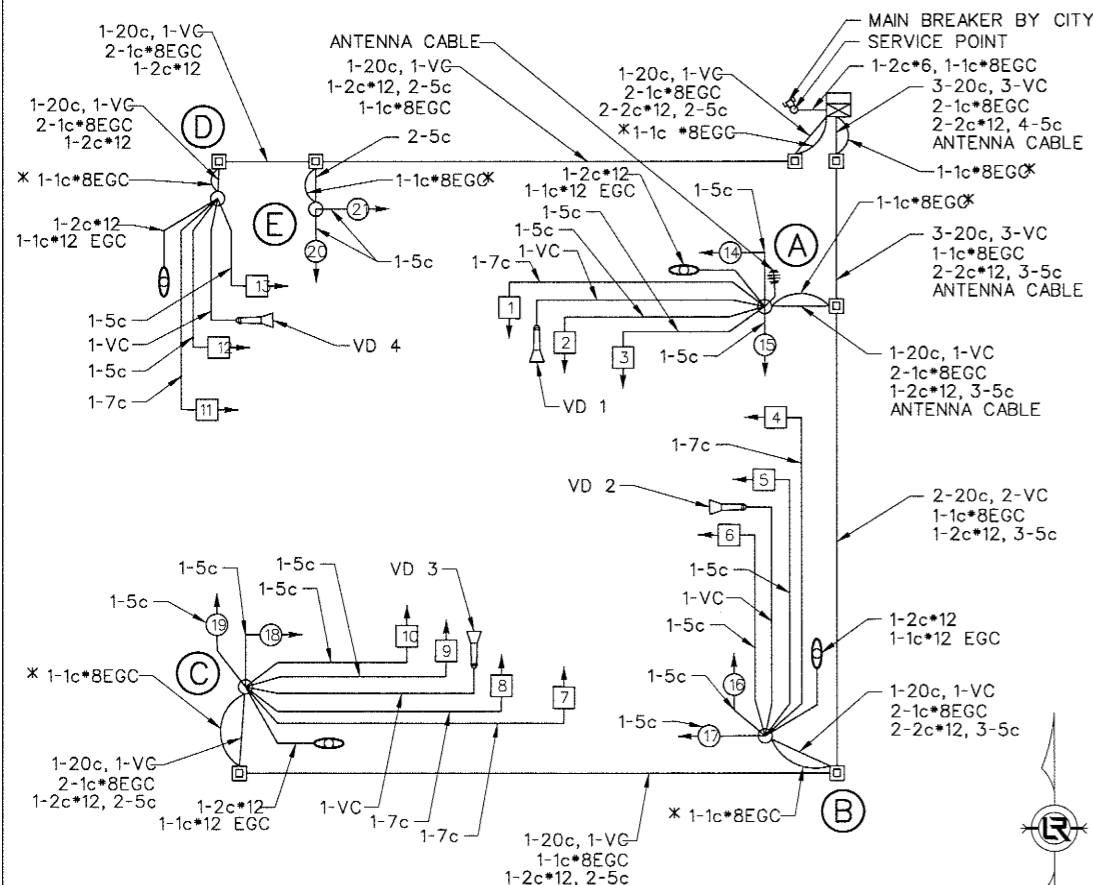
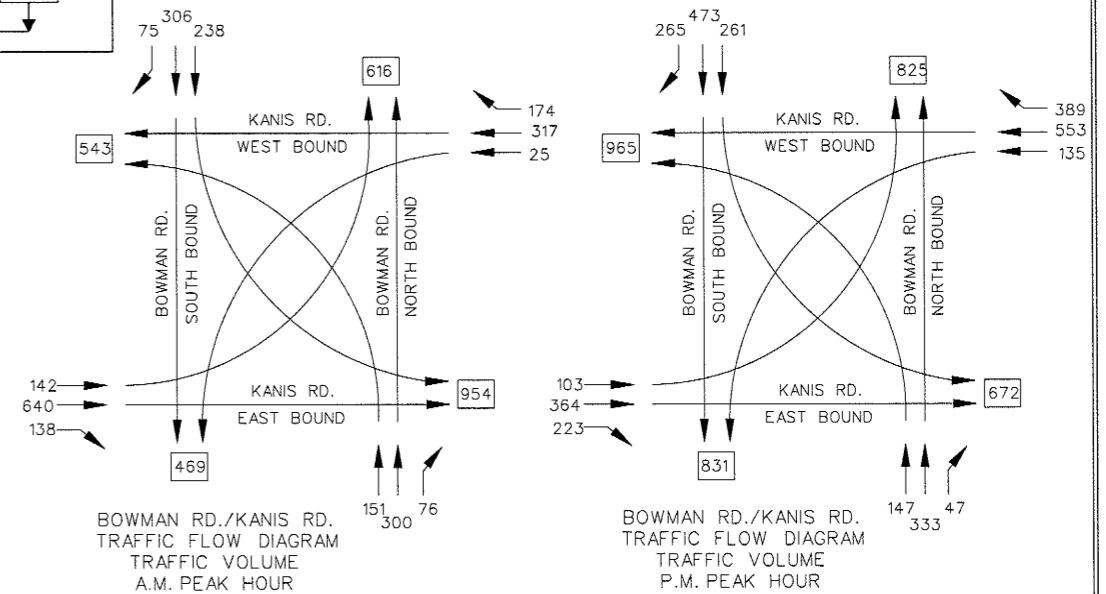
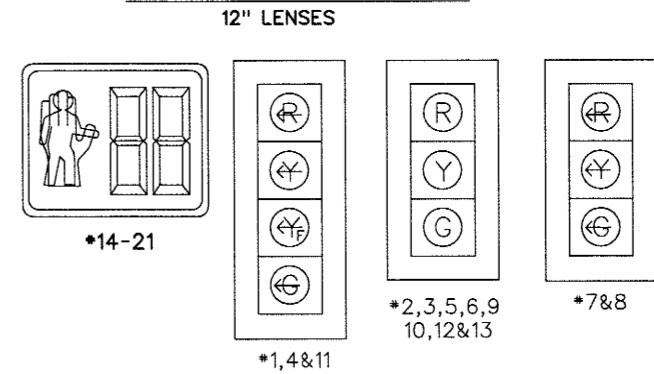
# DETECTOR CHART

DETECTOR ASSIGNMENTS				HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS			VIDEO DET. TUBE LENGTH	COMMENT
DETECTOR I.D.*	DIRECTION & LOCATION	TYPE	DET. #	CAB. TRM. *	AMP CHN. *	CON. INP. *	LOCAL		MSTR. SYS. DET. *		
							PHS.	SYS. DET. *			
VZ 11A	SB LEFT FAR	LOCAL				V1	1			23"	VD3
VZ 11B	SB LEFT FAR	LOCAL				V1	1			23"	VD3
VZ 12A	SB LEFT NEAR	LOCAL				V1	1			23"	VD3
VZ 12B	SB LEFT NEAR	LOCAL				V1	1			23"	VD3
VZ 21	NB FAR	LOCAL				V2	2			23"	VD1
VZ 22	NB NEAR	LOCAL				V2	2			23"	VD1
VZ 31	WB FAR	LOCAL				V3	3			23"	VD2
VZ 32	WB NEAR	LOCAL				V3	3			23"	VD2
VZ 41	WB FAR	LOCAL				V4	4			23"	VD4
VZ 42	WB NEAR	LOCAL				V4	4			23"	VD4
VZ 51	NB LEFT FAR	LOCAL				V5	5			23"	VD1
VZ 52	NB LEFT NEAR	LOCAL				V5	5			23"	VD1
VZ 61	SB FAR	LOCAL				V6	6			23"	VD3
VZ 62	SB NEAR	LOCAL				V6	6			23"	VD3
VZ 71	WB LEFT FAR	LOCAL				V7	7			23"	VD4
VZ 72	WB LEFT NEAR	LOCAL				V7	7			23"	VD4
VZ 81A	EB FAR	LOCAL				V8	8			23"	VD2
VZ 81B	EB FAR	LOCAL				V8	8			23"	VD2
VZ 82A	EB NEAR	LOCAL				V8	8			23"	VD2
VZ 82B	EB NEAR	LOCAL				V8	8			23"	VD2
PB 2	S - N	PED					2				
PB 4	E - W	PED					4				
PB 6	N - S	PED					6				
PB 8	W - E	PED					8				

## PHASING DIAGRAM



## SIGNAL FACES



### TYPICAL WIRING INCLUDES:

1. SEPARATE 5c/\*14 AWG FROM EACH 3 SEC. SIGNAL HEAD TO BASE OF POLE.
2. SEPARATE 7c/\*14 AWG FROM EACH 5 SEC. SIGNAL HEAD TO BASE OF POLE.
3. SEPARATE 5c/\*14 AWG TO EACH POLE WITH PED PUSH BUTTONS.

SIGNAL FACES	INTERSECTION INTERVALS															FLASH SEQ.
	1+5	CLR	1+6	CLR	2+5	CLR	2+6	CLR	3+7	CLR	3+8	CLR	4+7	CLR	4+8	
1	<G	*	Yf	***	<G	*	Yf	***	<R	<R	<R	<R	<R	<R	<R	<R
2	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R
3	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R
4	<R	<R	<R	<R	<R	<R	<R	<R	<G	*	<G	*	Yf	***	Yf	***
5	R	R	R	R	R	R	R	R	R	R	G	**	R	R	R	G
6	R	R	R	R	R	R	R	R	R	R	G	**	R	R	R	G
7	<G	*	<G	*	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R
8	<G	*	<G	*	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R	<R
9	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R
10	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R
11	<R	<R	<R	<R	<R	<R	<R	<R	<G	*	Yf	***	<G	*	Yf	***
12	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
13	R	R	R	R	R	R	R	R	R	R	R	R	G	**	G	**
14	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW
15	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW
16	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW
17	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW
18	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW
19	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW
20	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW
21	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW

\* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE  
 \*\* DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE  
 \*\*\* DENOTES FYA OR YELLOW ARROW DEPENDING ON NEXT PHASE  
 W - WALK  
 DW - DON'T WALK  
 FDW - FLASHING DON'T WALK

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 SIGNALIZATION PLAN  
 BOWMAN ROAD SHEET 2

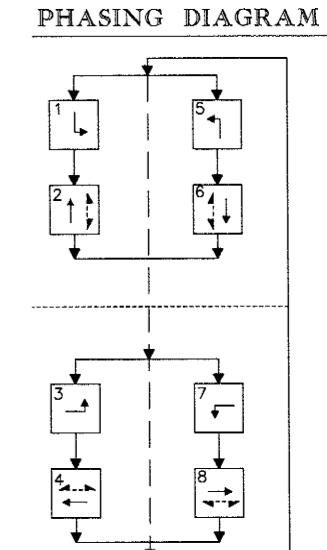
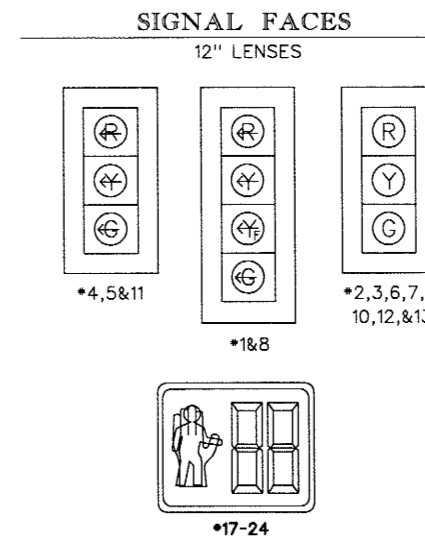
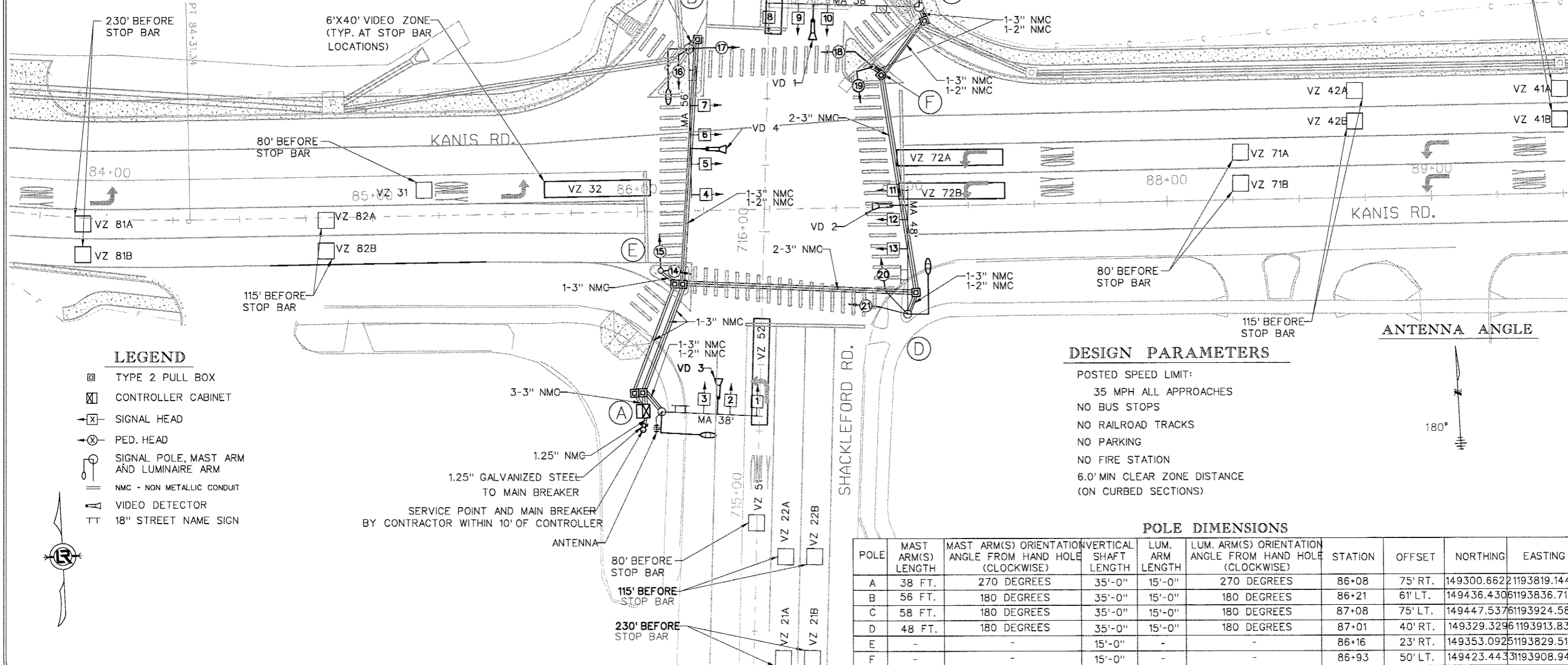
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9418  
**BRIAN L. VINES**

3.15.2017  
 DRAWN BY  
 JAB  
 DESIGNED  
 JAB  
 CHECKED  
 BLV  
 DATE  
 5/22/15  
 SCALE  
 N/A  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-115**

# TRAFFIC SIGNAL QUANTITIES

ITEM NO.	ITEM	QUAN.	UNIT
SP & 701	SYSTEM CONTROLLER TS2 - TYPE 2 (8 PHASES)	1	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	10	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	3	EACH
SP & 707	COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED	8	EACH
708	TRAFFIC SIGNAL CABLE (5c/14 A.W.G.)	2064	LIN. FT.
708	TRAFFIC SIGNAL CABLE (7c/14 A.W.G.)	158	LIN. FT.
708	TRAFFIC SIGNAL CABLE (20c/14 A.W.G.)	673	LIN. FT.
709	GALVANIZED STEEL CONDUIT (1.25")	11	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")	11	LIN. FT.
710	NON-METALLIC CONDUIT (2")	298	LIN. FT.
710	NON-METALLIC CONDUIT (3")	836	LIN. FT.
SS & 711	CONCRETE PULL BOX (TYPE 2 HD)	8	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (38')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (48')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (56')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (58')	1	EACH
SS & 715	TRAFFIC SIGNAL PEDESTAL POLE WITH FOUNDATION	2	EACH
733	VIDEO CABLE	671	LIN. FT.
SP & 733	VIDEO DETECTOR (CLR)	4	EACH
733	VIDEO MONITOR (CLR)	1	EACH
SP & 733	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	2	EACH
SP & 733	VEHICLE DETECTOR RACK (16 CHANNEL)	1	EACH
SP	ELECTRICAL CONDUCTORS -IN- CONDUIT (2c/6 A.W.G.)	22	LIN. FT.
SP	ELECTRICAL CONDUCTORS -IN- CONDUIT (1c/8 A.W.G., EGC)	600	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	523	LIN. FT.
SP	LUMINAIRE ASSEMBLY	4	EACH
SP	18" STREET NAME SIGN	4	EACH
SP	REMOVAL OF TRAFFIC SIGNAL EQUIPMENT	1	L.S.
SP	LOCAL RADIO WITH ANTENNA	1	EACH
SP	ANTENNA CABLE (TYPE 6)	70	LIN. FT.
SP	SERVICE POINT ASSEMBLY	1	EACH



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 SIGNALIZATION PLAN  
 SHACKLEFORD ROAD - SHEET 3

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9418  
 BRIAN L. VIVINS  
 3.15.2017

DRAWN BY  
 JAB  
 DESIGNED  
 JAB  
 CHECKED  
 BLV  
 DATE  
 5/22/15  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-116**

### DESIGN PARAMETERS

- POSTED SPEED LIMIT: 35 MPH ALL APPROACHES
- NO BUS STOPS
- NO RAILROAD TRACKS
- NO PARKING
- NO FIRE STATION
- 6.0' MIN CLEAR ZONE DISTANCE (ON CURBED SECTIONS)

### POLE DIMENSIONS

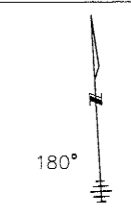
POLE	MAST ARM(S) LENGTH	MAST ARM(S) ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	VERTICAL SHAFT LENGTH	LUM. ARM LENGTH	LUM. ARM(S) ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	STATION	OFFSET	NORTHING	EASTING
A	38 FT.	270 DEGREES	35'-0"	15'-0"	270 DEGREES	86+08	75' RT.	149300.6622	1193819.1447
B	56 FT.	180 DEGREES	35'-0"	15'-0"	180 DEGREES	86+21	61' LT.	149436.4306	1193836.7127
C	58 FT.	180 DEGREES	35'-0"	15'-0"	180 DEGREES	87+08	75' LT.	149447.5376	1193924.588
D	48 FT.	180 DEGREES	35'-0"	15'-0"	180 DEGREES	87+01	40' RT.	149329.3296	1193913.8303
E	-	-	15'-0"	-	-	86+16	23' RT.	149353.0925	1193829.5196
F	-	-	15'-0"	-	-	86+93	50' LT.	149423.4433	1193908.944

### LEGEND

- TYPE 2 PULL BOX
- ▣ CONTROLLER CABINET
- ⊗ SIGNAL HEAD
- ⊗ PED. HEAD
- SIGNAL POLE, MAST ARM AND LUMINAIRE ARM
- || NMC - NON METALLIC CONDUIT
- ▲ VIDEO DETECTOR
- TT 18" STREET NAME SIGN

1.25" GALVANIZED STEEL TO MAIN BREAKER  
 SERVICE POINT AND MAIN BREAKER BY CONTRACTOR WITHIN 10' OF CONTROLLER

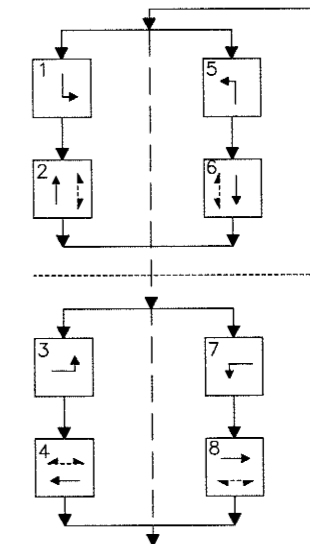
### ANTENNA ANGLE



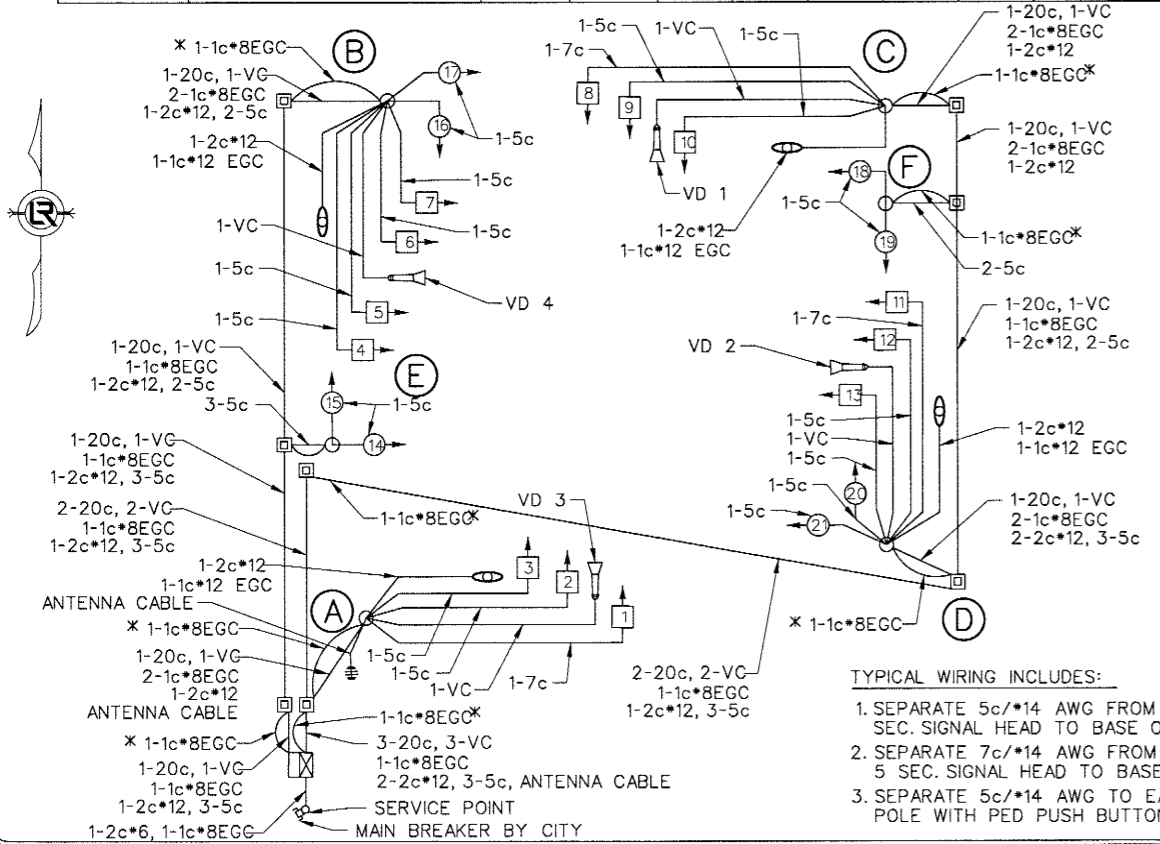
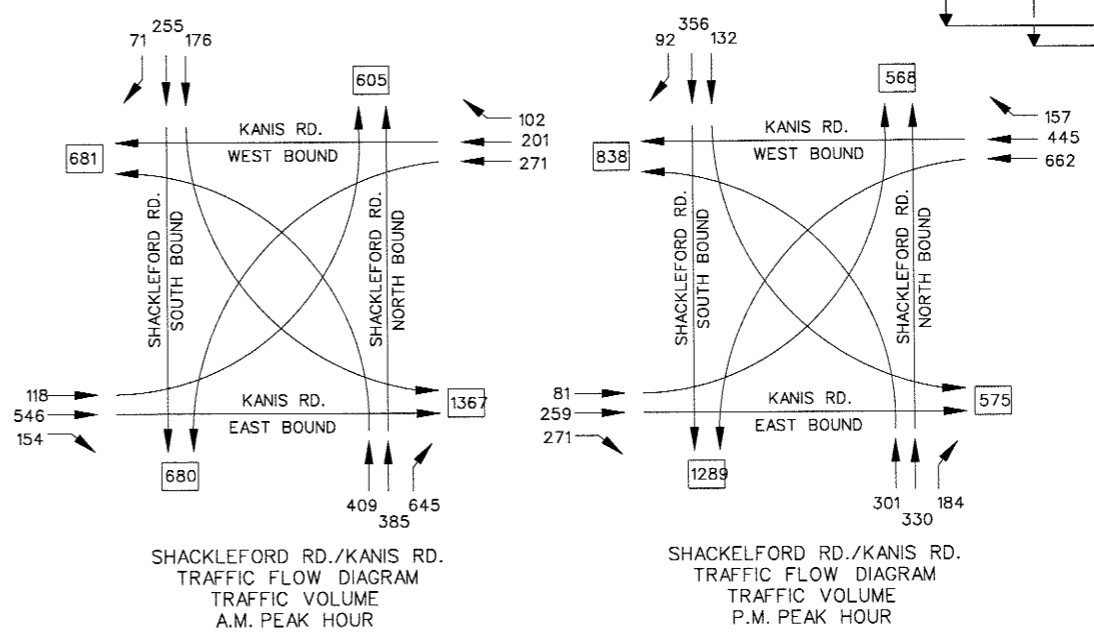
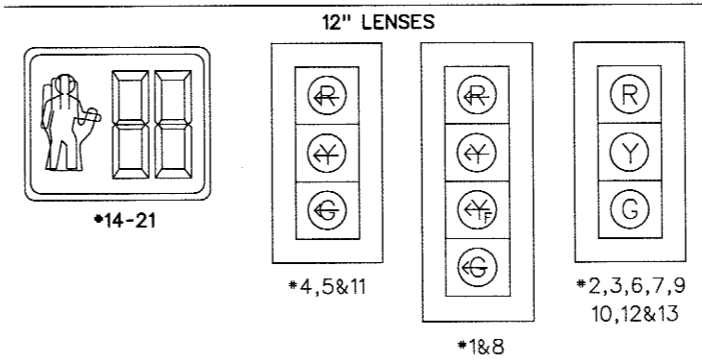
# DETECTOR CHART

DETECTOR ASSIGNMENTS				HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS		VIDEO DET. TUBE LENGTH	COMMENT
DETECTOR I.D.*	DIRECTION & LOCATION	TYPE	DET. #	CAB. TRM. #	AMP CHN. #	CON. INP. #	LOCAL			
							PHS.	SYS. DET.*		
VZ 11	SB LEFT FAR	LOCAL				V1	1		23"	VD3
VZ 12	SB LEFT FAR	LOCAL				V1	1		23"	VD3
VZ 21A	NB FAR	LOCAL				V2	2		23"	VD1
VZ 21B	NB FAR	LOCAL				V2	2		23"	VD1
VZ 22A	NB NEAR	LOCAL				V2	2		23"	VD1
VZ 22B	NB NEAR	LOCAL				V2	2		23"	VD1
VZ 31	NB FAR	LOCAL				V3	3		23"	VD2
VZ 32	NB NEAR	LOCAL				V3	3		23"	VD2
VZ 41A	WB FAR	LOCAL				V4	4		23"	VD4
VZ 41B	WB FAR	LOCAL				V4	4		23"	VD4
VZ 42A	WB NEAR	LOCAL				V4	4		23"	VD4
VZ 42B	WB NEAR	LOCAL				V4	4		23"	VD4
VZ 51	NB LEFT FAR	LOCAL				V5	5		23"	VD1
VZ 52	NB LEFT NEAR	LOCAL				V5	5		23"	VD1
VZ 61A	SB FAR	LOCAL				V6	6		23"	VD3
VZ 61B	SB FAR	LOCAL				V6	6		23"	VD3
VZ 62A	SB NEAR	LOCAL				V6	6		23"	VD3
VZ 62B	SB NEAR	LOCAL				V6	6		23"	VD3
VZ 71A	WB LEFT FAR	LOCAL				V7	7		23"	VD4
VZ 71B	WB LEFT FAR	LOCAL				V7	7		23"	VD4
VZ 72A	WB LEFT NEAR	LOCAL				V7	7		23"	VD4
VZ 72B	WB LEFT NEAR	LOCAL				V7	7		23"	VD4
VZ 81A	EB FAR	LOCAL				V8	8		23"	VD2
VZ 81B	EB FAR	LOCAL				V8	8		23"	VD2
VZ 82A	EB NEAR	LOCAL				V8	8		23"	VD2
VZ 82B	EB NEAR	LOCAL				V8	8		23"	VD2
PB 2	S - N	PED					2			
PB 4	E - W	PED					4			
PB 6	N - S	PED					6			
PB 8	W - E	PED					8			

# PHASING DIAGRAM



# SIGNAL FACES



- TYPICAL WIRING INCLUDES:**
1. SEPARATE 5c/\*14 AWG FROM EACH 3 SEC. SIGNAL HEAD TO BASE OF POLE.
  2. SEPARATE 7c/\*14 AWG FROM EACH 5 SEC. SIGNAL HEAD TO BASE OF POLE.
  3. SEPARATE 5c/\*14 AWG TO EACH POLE WITH PED PUSH BUTTONS.

### INTERVAL CHART

SIGNAL FACES	INTERSECTION INTERVALS																FLASH SEQ.
	1+5	CLR	1+6	CLR	2+5	CLR	2+6	CLR	3+7	CLR	3+8	CLR	4+7	CLR	4+8	CLR	
1	←G	*	←G	CLR	Yf	***	Yf	***	←R	←R	←R	←R	←R	←R	←R	←R	
2	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R	
3	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R	
4	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	←R	←R	←G	*	←R	←R	
5	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	←R	←R	←G	*	←R	←R	
6	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
7	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
8	←G	*	Yf	***	←G	*	Yf	***	←R	←R	←R	←R	←R	←R	←R	←R	
9	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R	
10	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R	
11	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	←G	*	←R	←R	←R	←R	
12	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
13	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	
14	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW		
15	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	
16	DW	DW	W	FDW	DW	DW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	
17	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW	
18	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW	
19	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	
20	DW	DW	DW	DW	W	FDW	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	
21	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	DW	W	FDW	DW	W	

- \* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
- \*\* DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
- \*\*\* DENOTES FYA OR YELLOW ARROW DEPENDING ON NEXT PHASE
- W - WALK
- DW - DON'T WALK
- FDW - FLASHING DON'T WALK

REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**KANIS ROAD**  
 SIGNALIZATION PLAN  
 SHACKLEFORD ROAD SHEET 4

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9418  
 BRIAN J. VILES

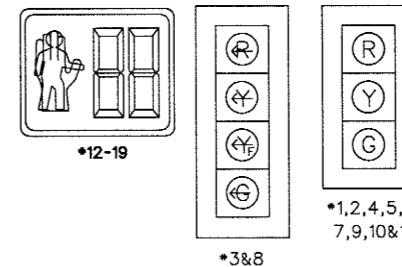
3.15.2017  
 DRAWN BY  
 JAB  
 DESIGNED  
 JAB  
 CHECKED  
 BLV  
 DATE  
 5/22/15  
 SCALE  
 N/A  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-117**

# TRAFFIC SIGNAL QUANTITIES

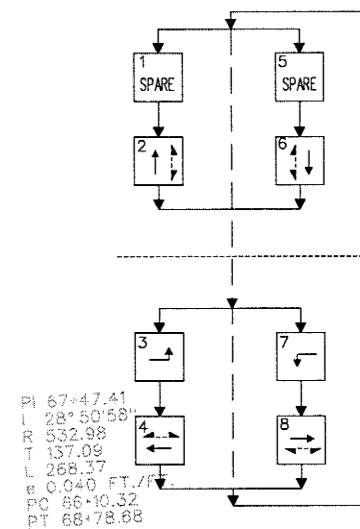
ITEM NO.	ITEM	QUAN.	UNIT
SP & 701	ACTUATED CONTROLLER TS2 - TYPE 2 (8 PHASES)	1	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (3 SECTION, 1 WAY)	9	EACH
SP & 706	TRAFFIC SIGNAL HEAD, LED, (4 SECTION, 1 WAY)	2	EACH
SP & 707	COUNTDOWN PEDESTRIAN SIGNAL HEAD, LED	8	EACH
708	TRAFFIC SIGNAL CABLE (5c/14 A.W.G.)	2354	LIN. FT.
708	TRAFFIC SIGNAL CABLE (7c/14 A.W.G.)	119	LIN. FT.
708	TRAFFIC SIGNAL CABLE (20c/14 A.W.G.)	572	LIN. FT.
709	GALVANIZED STEEL CONDUIT (1.25")	17	LIN. FT.
710	NON-METALLIC CONDUIT (1.25")	22	LIN. FT.
710	NON-METALLIC CONDUIT (2")	50	LIN. FT.
710	NON-METALLIC CONDUIT (3")	418	LIN. FT.
SS & 711	CONCRETE PULL BOX (TYPE 2 HD)	5	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (38')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (50')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (54')	1	EACH
SS & 714	TRAFFIC SIGNAL MAST ARM AND POLE WITH FOUNDATION (58')	1	EACH
733	VIDEO CABLE	792	LIN. FT.
SP & 733	VIDEO DETECTOR (CLR)	4	EACH
733	VIDEO MONITOR (CLR)	1	EACH
SP & 733	VIDEO PROCESSOR, EDGE CARD (2 CAMERA)	2	EACH
SP & 733	VEHICLE DETECTOR RACK (16 CHANNEL)	1	EACH
SP	ELECTRICAL CONDUCTORS -IN- CONDUIT (2c/6 A.W.G.)	61	LIN. FT.
SP	ELECTRICAL CONDUCTORS -IN- CONDUIT (1c/8 A.W.G., EGC)	512	LIN. FT.
SP	ELECTRICAL CONDUCTORS FOR LUMINAIRES	649	LIN. FT.
SP	LUMINAIRE ASSEMBLY	4	EACH
SP	18" STREET NAME SIGN	4	EACH
SP	LOCAL RADIO WITH ANTENNA	1	EACH
SP	ANTENNA CABLE (TYPE 6)	97	LIN. FT.
SP	SERVICE POINT ASSEMBLY	1	EACH

## SIGNAL FACES

12" LENSES



## PHASING DIAGRAM



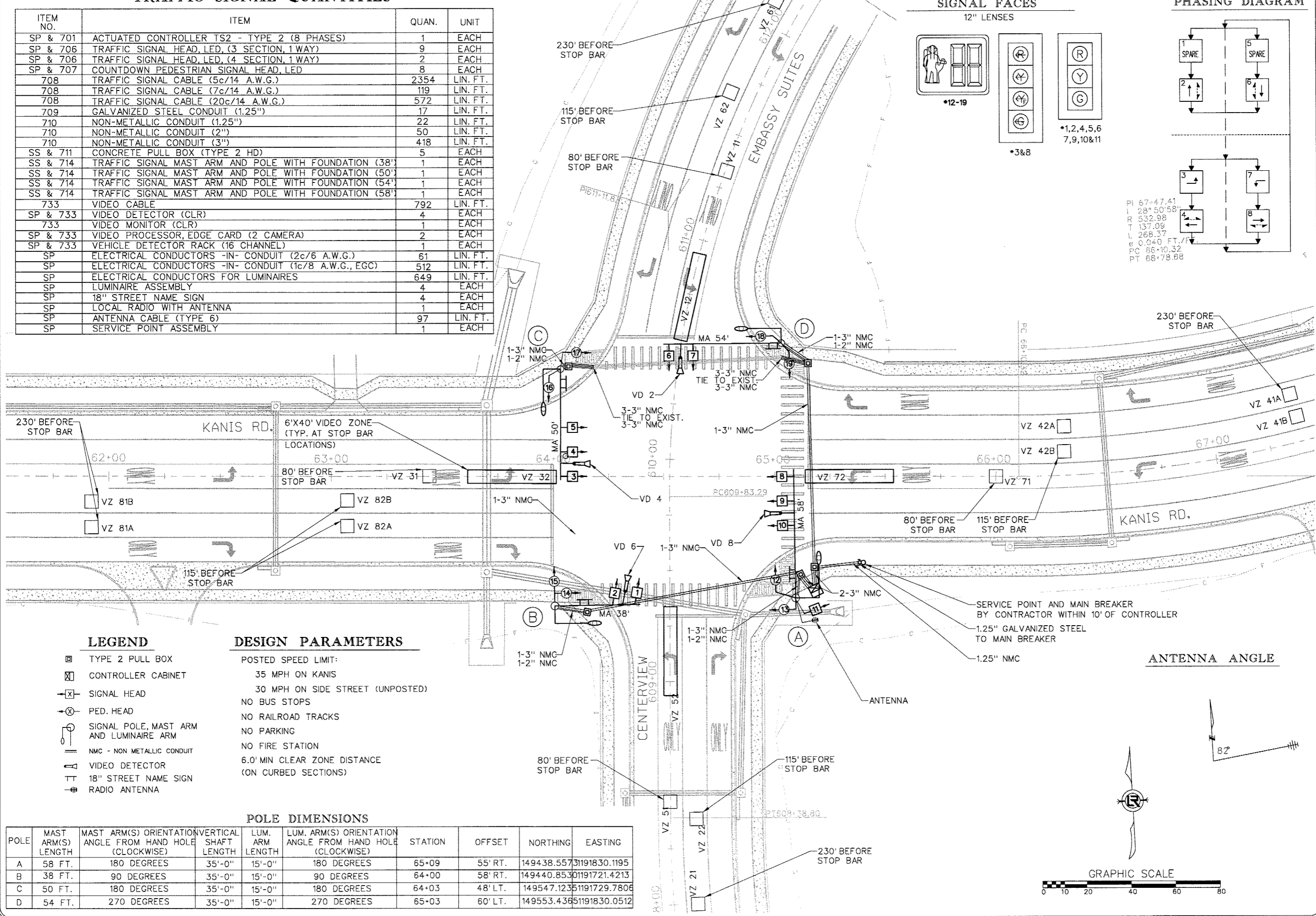
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 SIGNALIZATION PLAN  
 EMBASSY SUITES/CENTERVIEW SHEET 1

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 9418  
 JERIAN L. VINES

3.15.2017  
 DRAWN BY  
 JAB  
 DESIGNED  
 JAB  
 CHECKED  
 BLV  
 DATE  
 6/24/16  
 SCALE  
 1" = 40'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-117A**



### LEGEND

- ▣ TYPE 2 PULL BOX
- ▣ CONTROLLER CABINET
- ⊠ SIGNAL HEAD
- ⊠ PED. HEAD
- ⊠ SIGNAL POLE, MAST ARM AND LUMINAIRE ARM
- || NMC - NON METALLIC CONDUIT
- ⊠ VIDEO DETECTOR
- TT 18" STREET NAME SIGN
- ⊠ RADIO ANTENNA

### DESIGN PARAMETERS

- POSTED SPEED LIMIT:  
35 MPH ON KANIS  
30 MPH ON SIDE STREET (UNPOSTED)
- NO BUS STOPS
- NO RAILROAD TRACKS
- NO PARKING
- NO FIRE STATION
- 6.0' MIN CLEAR ZONE DISTANCE (ON CURBED SECTIONS)

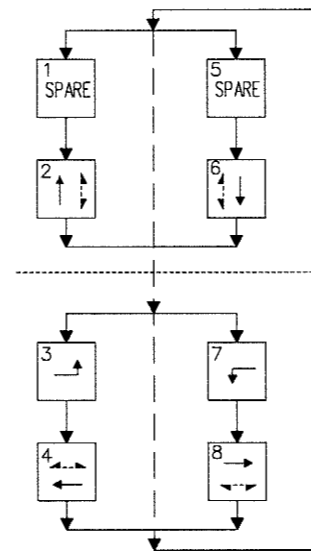
### POLE DIMENSIONS

POLE	MAST ARM(S) LENGTH	MAST ARM(S) ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	VERTICAL SHAFT LENGTH	LUM. ARM LENGTH	LUM. ARM(S) ORIENTATION ANGLE FROM HAND HOLE (CLOCKWISE)	STATION	OFFSET	NORTHING	EASTING
A	58 FT.	180 DEGREES	35'-0"	15'-0"	180 DEGREES	65+09	55' RT.	149438.557	31191830.1195
B	38 FT.	90 DEGREES	35'-0"	15'-0"	90 DEGREES	64+00	58' RT.	149440.853	31191721.4213
C	50 FT.	180 DEGREES	35'-0"	15'-0"	180 DEGREES	64+03	48' LT.	149547.123	31191729.7806
D	54 FT.	270 DEGREES	35'-0"	15'-0"	270 DEGREES	65+03	60' LT.	149553.436	31191830.0512

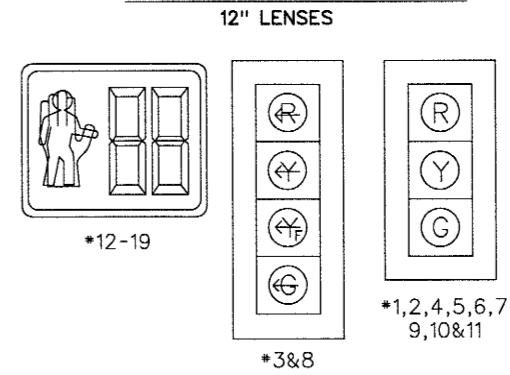
# DETECTOR CHART

DETECTOR I.D.*	DIRECTION & LOCATION	TYPE	DET. #	HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS			VIDEO DET. TUBE LENGTH	COMMENT
				CAB. TRM. #	AMP CHN. #	CON. INP. #	LOCAL		MSTR. SYS. DET. #		
							PHS.	SYS. DET. #			
VZ 11	SB LEFT FAR	LOCAL				V1	6			23"	VD6
VZ 12	SB LEFT NEAR	LOCAL				V1	6			23"	VD6
VZ 21	NB FAR	LOCAL				V2	2			23"	VD2
VZ 22	NB NEAR	LOCAL				V2	2			23"	VD2
VZ 31	WB FAR	LOCAL				V3	3			23"	VD8
VZ 32	WB NEAR	LOCAL				V3	3			23"	VD8
VZ 41A	WB FAR	LOCAL				V4	4			23"	VD4
VZ 41B	WB FAR	LOCAL				V4	4			23"	VD4
VZ 42A	WB NEAR	LOCAL				V4	4			23"	VD4
VZ 42B	WB NEAR	LOCAL				V4	4			23"	VD4
VZ 51	NB LEFT FAR	LOCAL				V5	2			23"	VD2
VZ 52	NB LEFT NEAR	LOCAL				V5	2			23"	VD2
VZ 61	SB FAR	LOCAL				V6	6			23"	VD6
VZ 62	SB NEAR	LOCAL				V6	6			23"	VD6
VZ 71	WB LEFT FAR	LOCAL				V7	7			23"	VD4
VZ 72	WB LEFT NEAR	LOCAL				V7	7			23"	VD4
VZ 81A	EB FAR	LOCAL				V8	8			23"	VD8
VZ 81B	EB FAR	LOCAL				V8	8			23"	VD8
VZ 82A	EB NEAR	LOCAL				V8	8			23"	VD8
VZ 82B	EB NEAR	LOCAL				V8	8			23"	VD8
PB 2	S - N	PED					2				
PB 4	E - W	PED					4				
PB 6	N - S	PED					6				
PB 8	W - E	PED					8				

## PHASING DIAGRAM



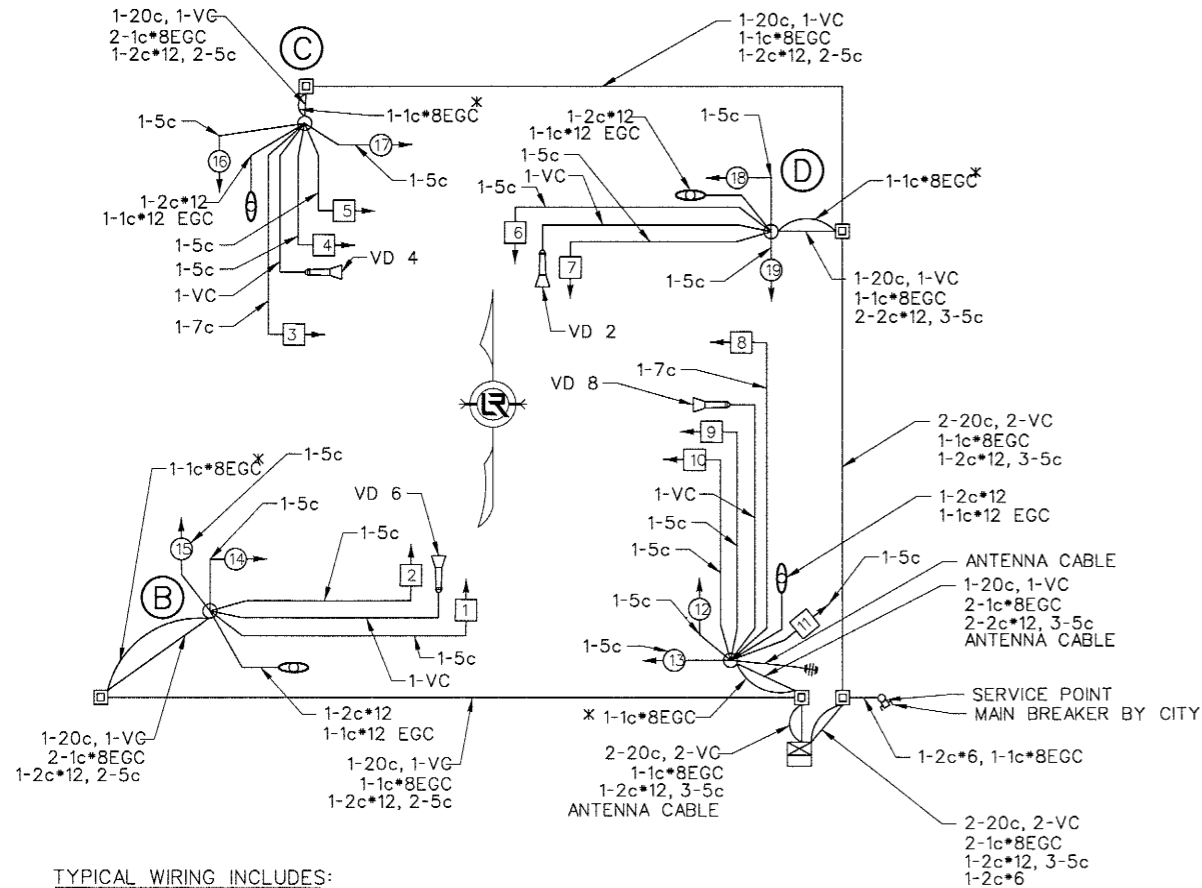
## SIGNAL FACES



### INTERVAL CHART

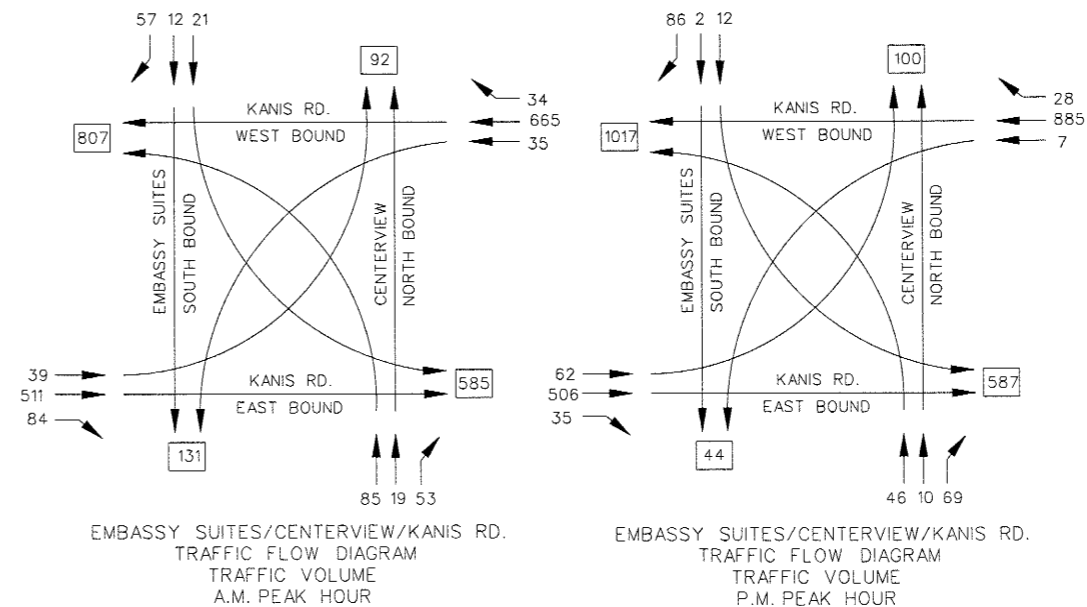
SIGNAL FACES	INTERSECTION INTERVALS										FLASH SEQ.
	2+6	CLR	3+7	CLR	3+8	CLR	4+7	CLR	4+8	CLR	
1	G	**	R	R	R	R	R	R	R	R	<R
2	G	**	R	R	R	R	R	R	R	R	R
3	<R	<R	<G	***	FYA	***	<G	***	FYA	***	<R
4	R	R	R	R	R	R	G	**	G	**	R
5	R	R	R	R	R	R	G	**	G	**	R
6	G	**	R	R	R	R	R	R	R	R	R
7	G	**	R	R	R	R	R	R	R	R	R
8	<R	<R	<G	***	<G	***	FYA	***	FYA	***	<R
9	R	R	R	R	G	**	R	R	G	**	R
10	R	R	R	R	G	**	R	R	G	**	R
11	R	R	R	R	R	R	G	**	G	**	R
12	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW
13	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW	DW
14	DW	DW	DW	DW	DW	DW	W	FDW	W	FDW	DW
15	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW
16	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW
17	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW	DW
18	DW	DW	DW	DW	W	FDW	DW	DW	W	FDW	DW
19	W	FDW	DW	DW	DW	DW	DW	DW	DW	DW	DW

\* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE  
 \*\* DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE  
 \*\*\* DENOTES FYA OR YELLOW ARROW DEPENDING ON NEXT PHASE



#### TYPICAL WIRING INCLUDES:

1. SEPARATE 5c/\*14 AWG FROM EACH 3 SEC. SIGNAL HEAD TO BASE OF POLE.
2. SEPARATE 7c/\*14 AWG FROM EACH 5 SEC. SIGNAL HEAD TO BASE OF POLE.
3. SEPARATE 5c/\*14 AWG TO EACH POLE WITH PED PUSH BUTTONS.



REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**KANIS ROAD**  
 SIGNALIZATION PLAN  
 EMBASSY SUITES/CENTERVIEW SHEET 2

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

REGISTERED PROFESSIONAL ENGINEER  
 No. 9418  
 BRIAN L. VINES

3.15.2017  
 DRAWN BY JAB  
 DESIGNED JAB  
 CHECKED BLV  
 DATE 6/24/16  
 SCALE N/A  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-117B

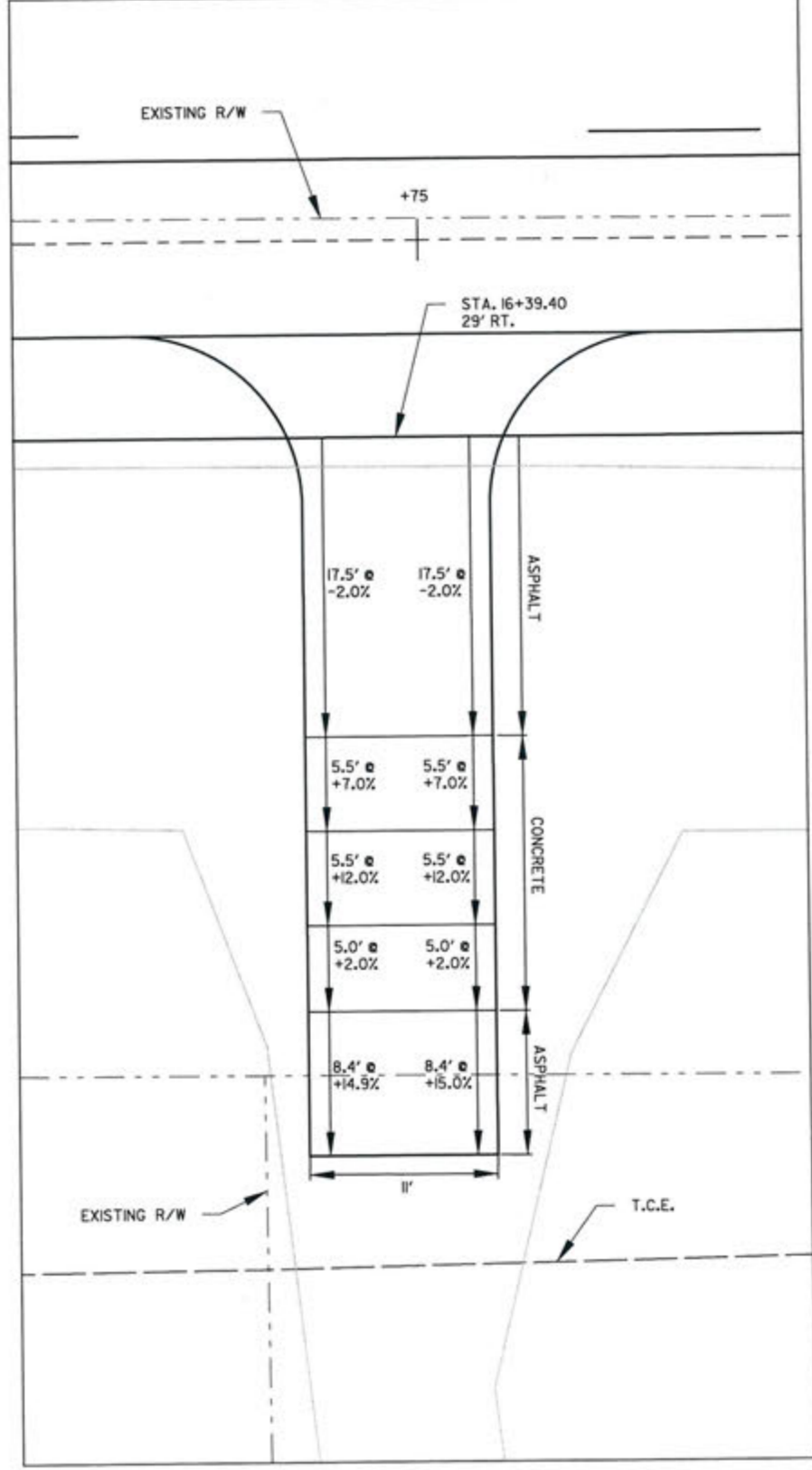
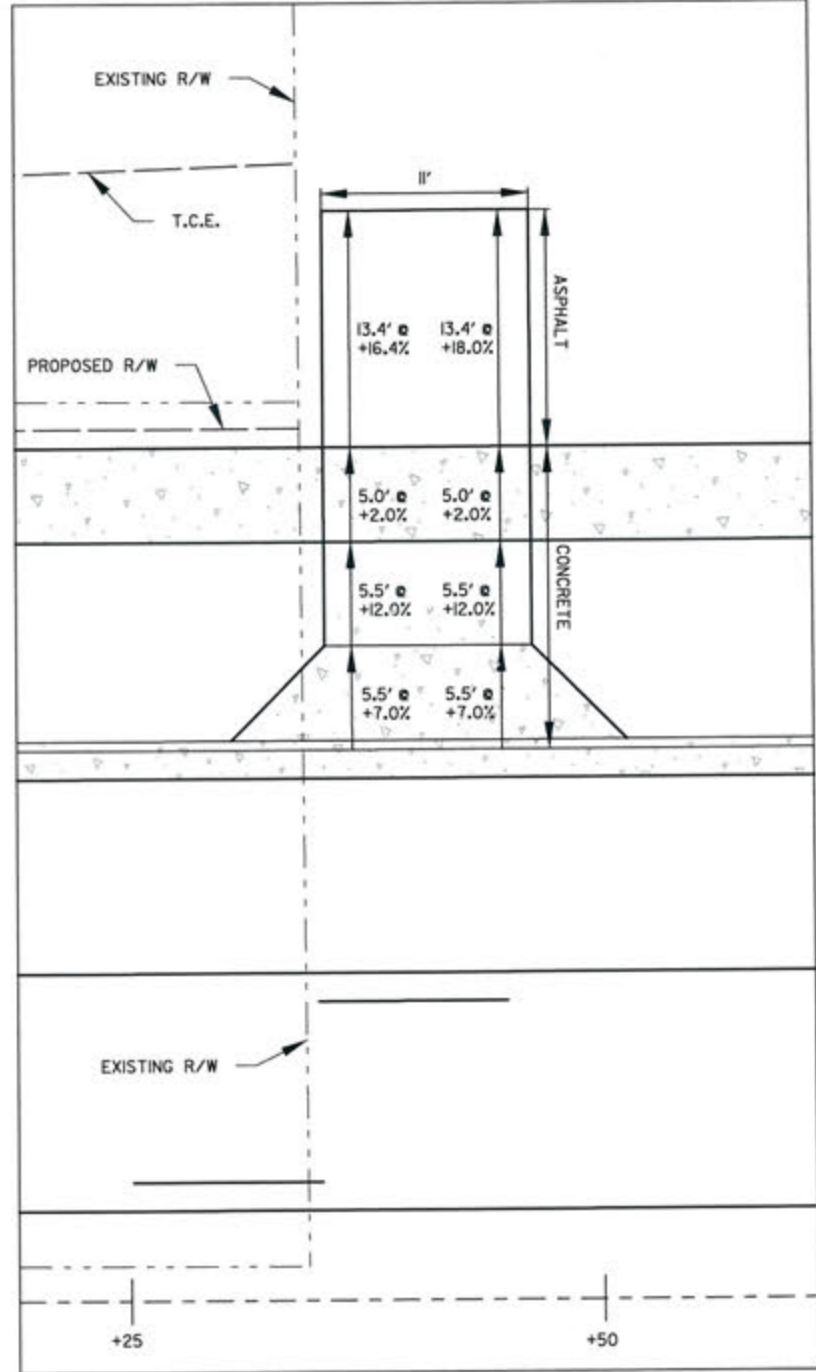
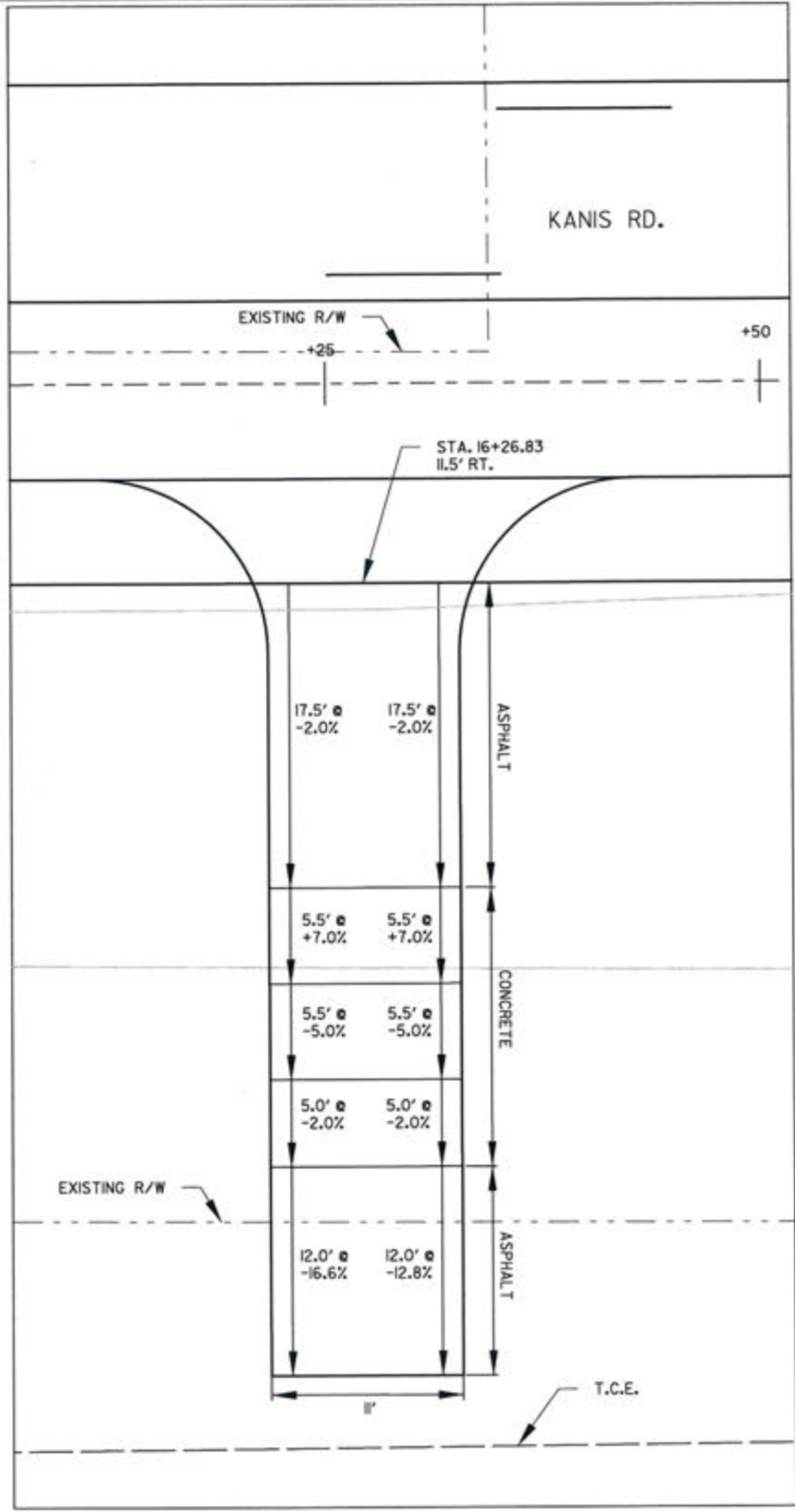
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 DRIVEWAY DETAIL SHEET 1

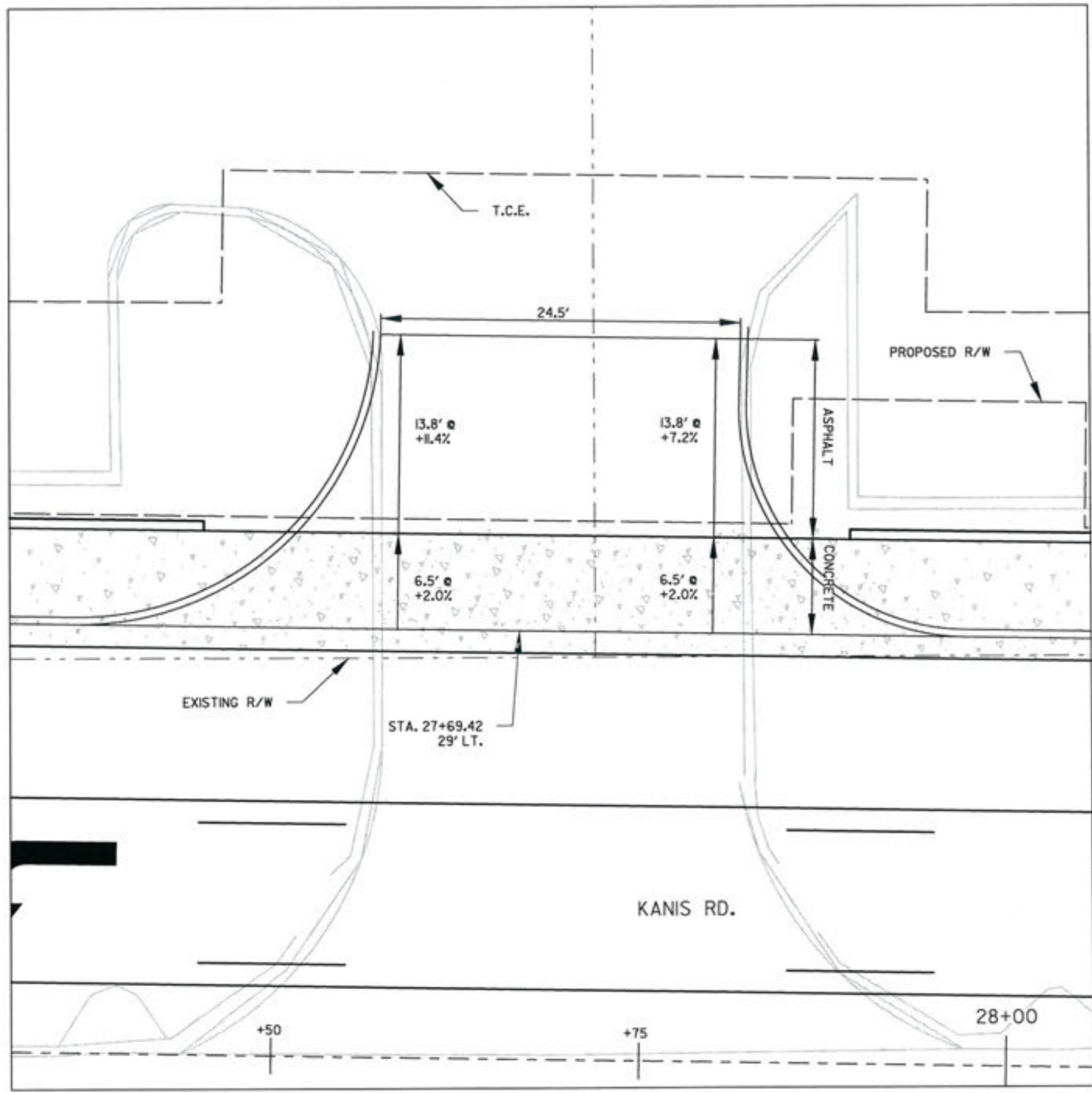
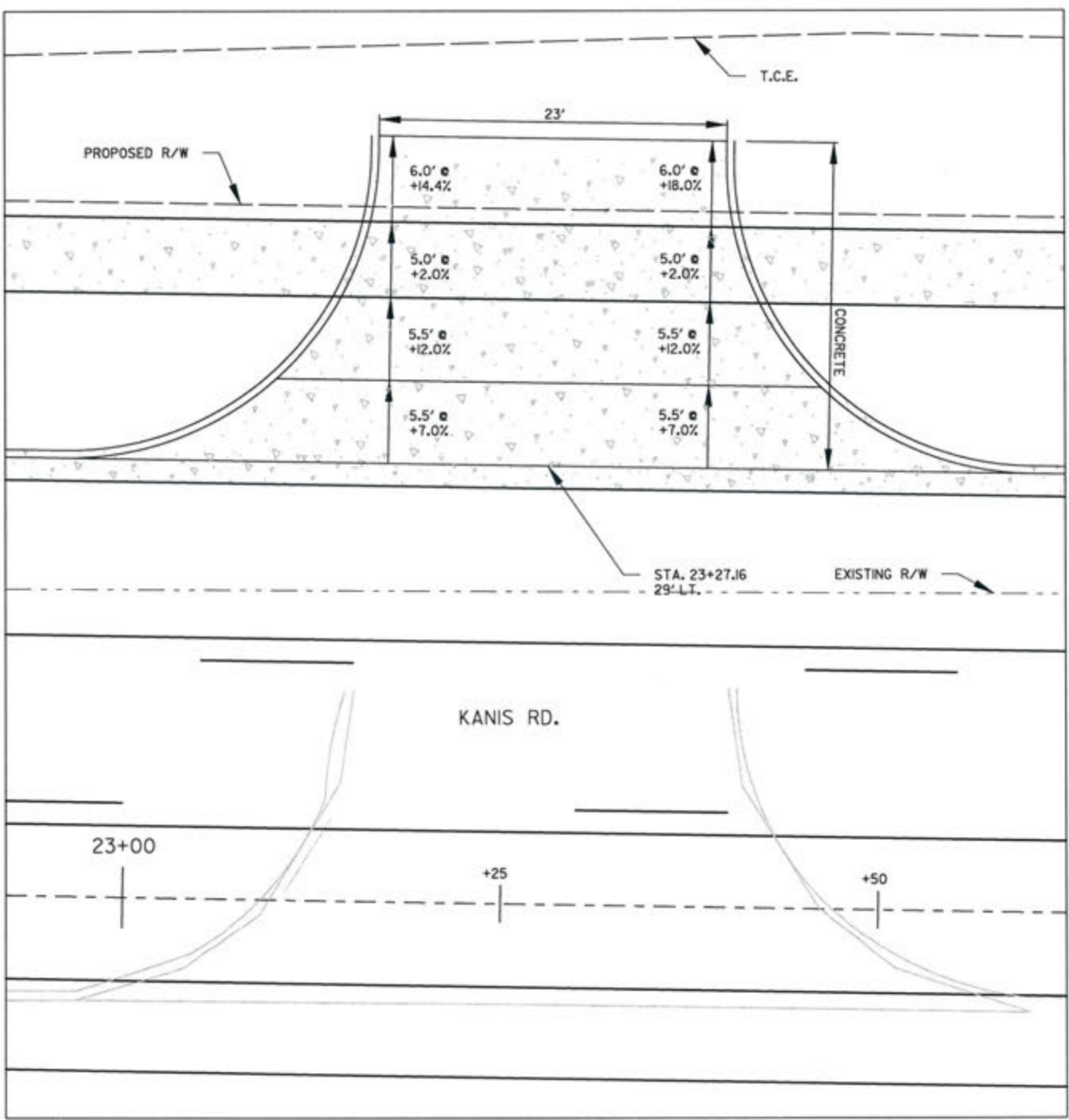
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERYN G. TOBLEBY

7-15-17  
 DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-118







REVISIONS	DATE

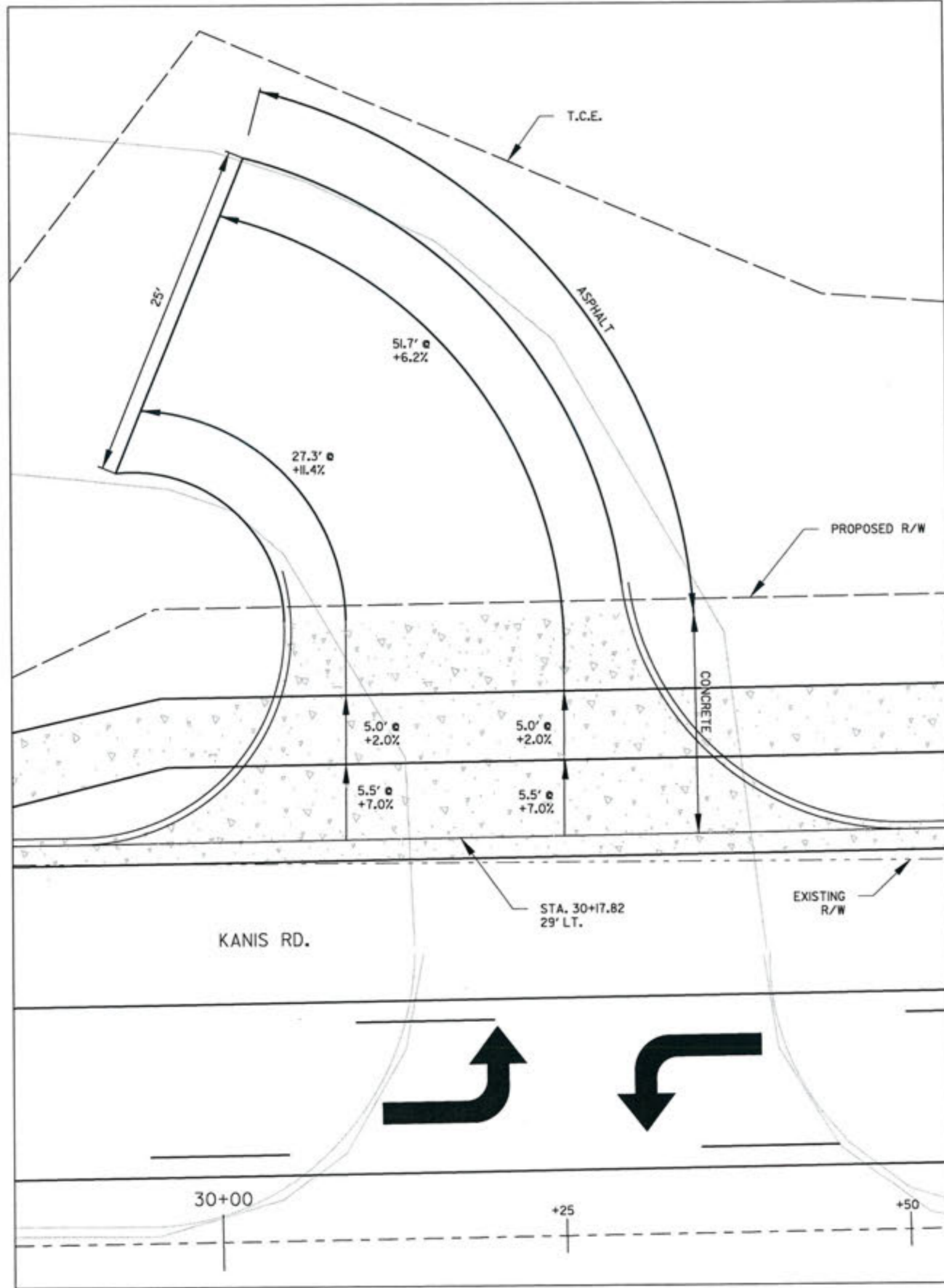
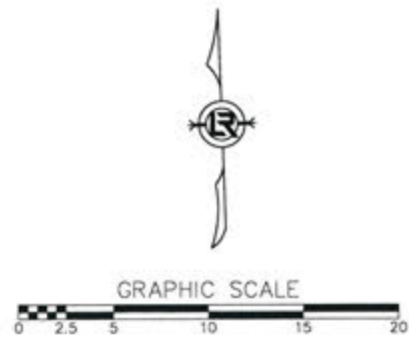
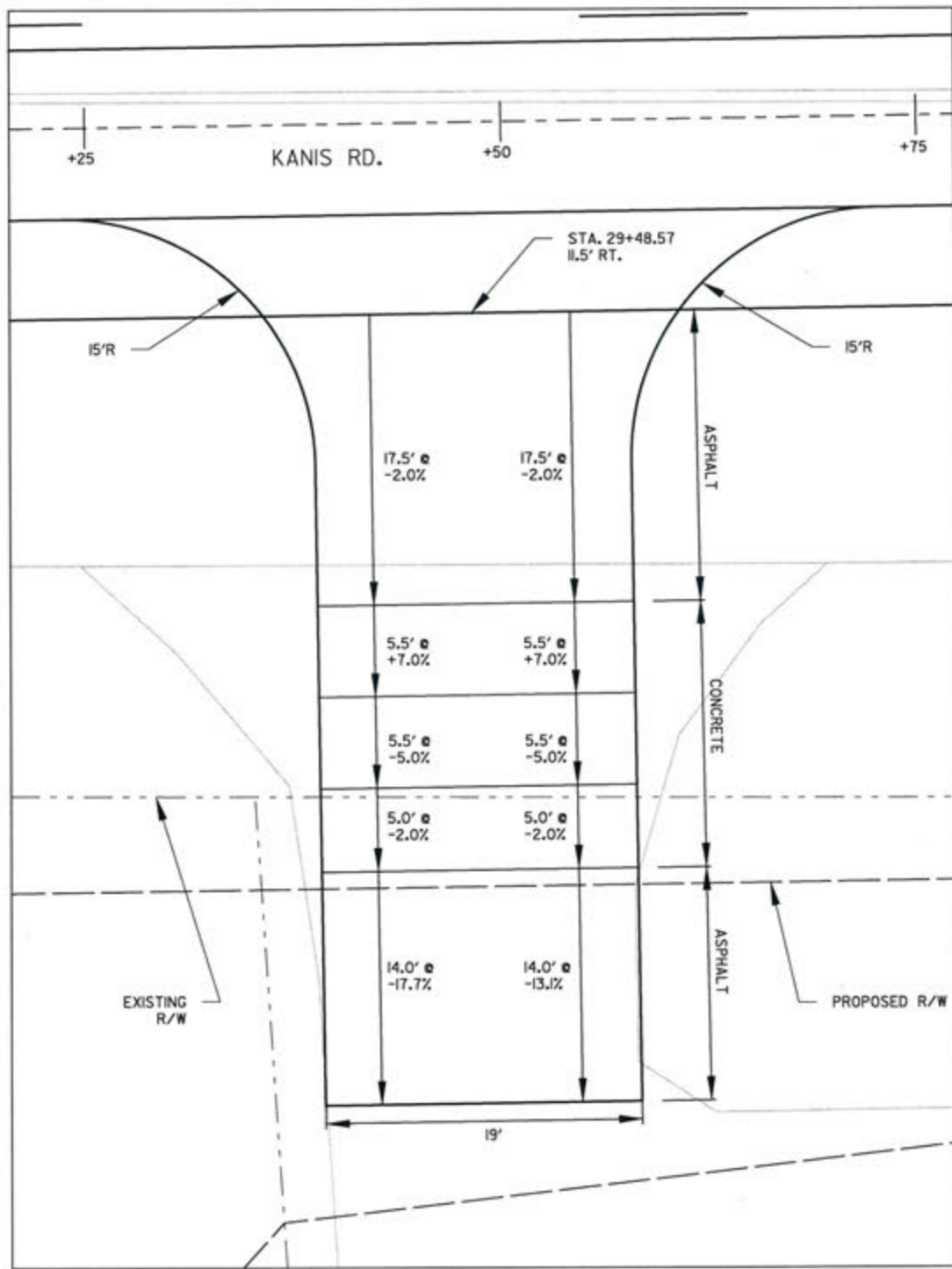
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 2

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-15-17  
 DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-119





REVISIONS DATE

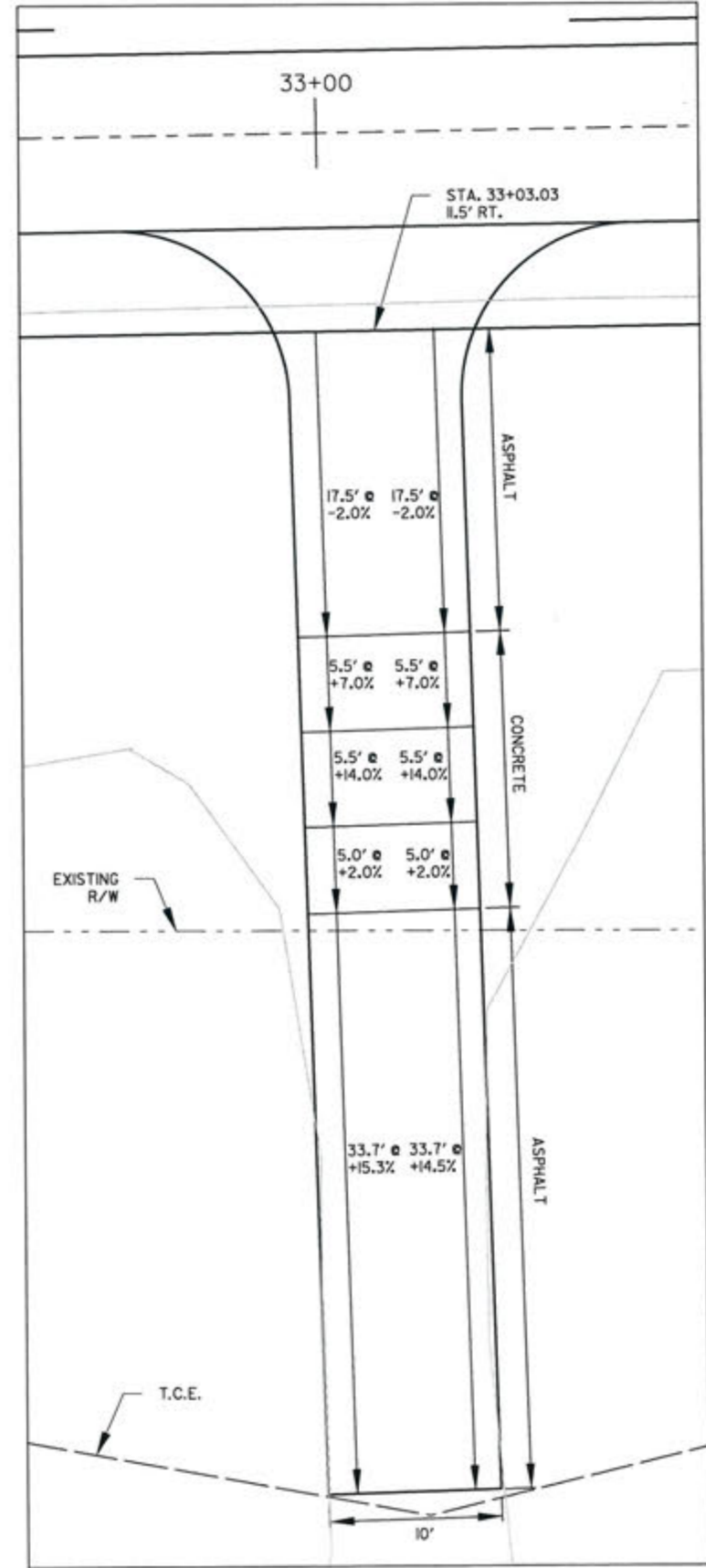
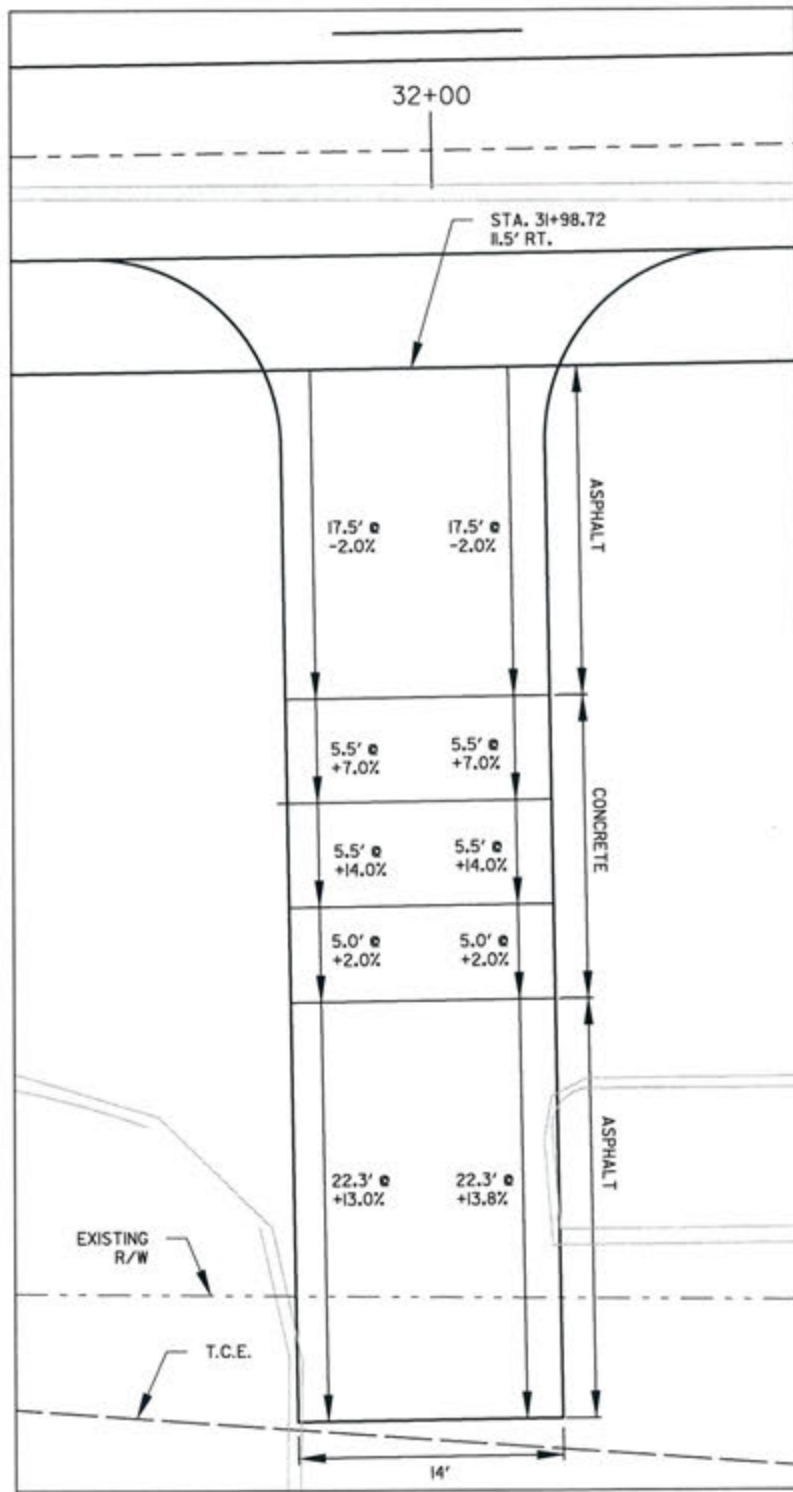
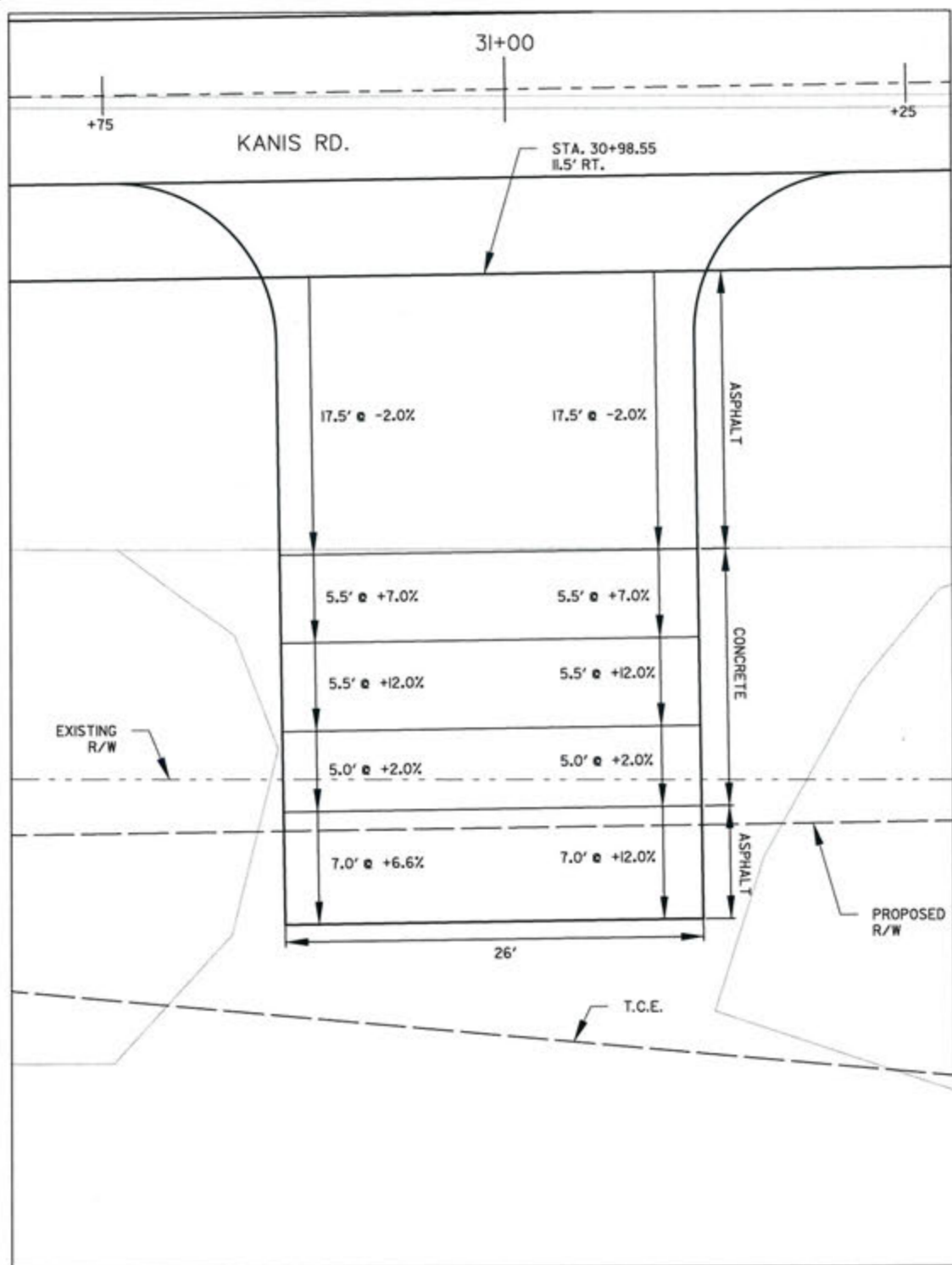

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 3



DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



315-17  
 DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-120



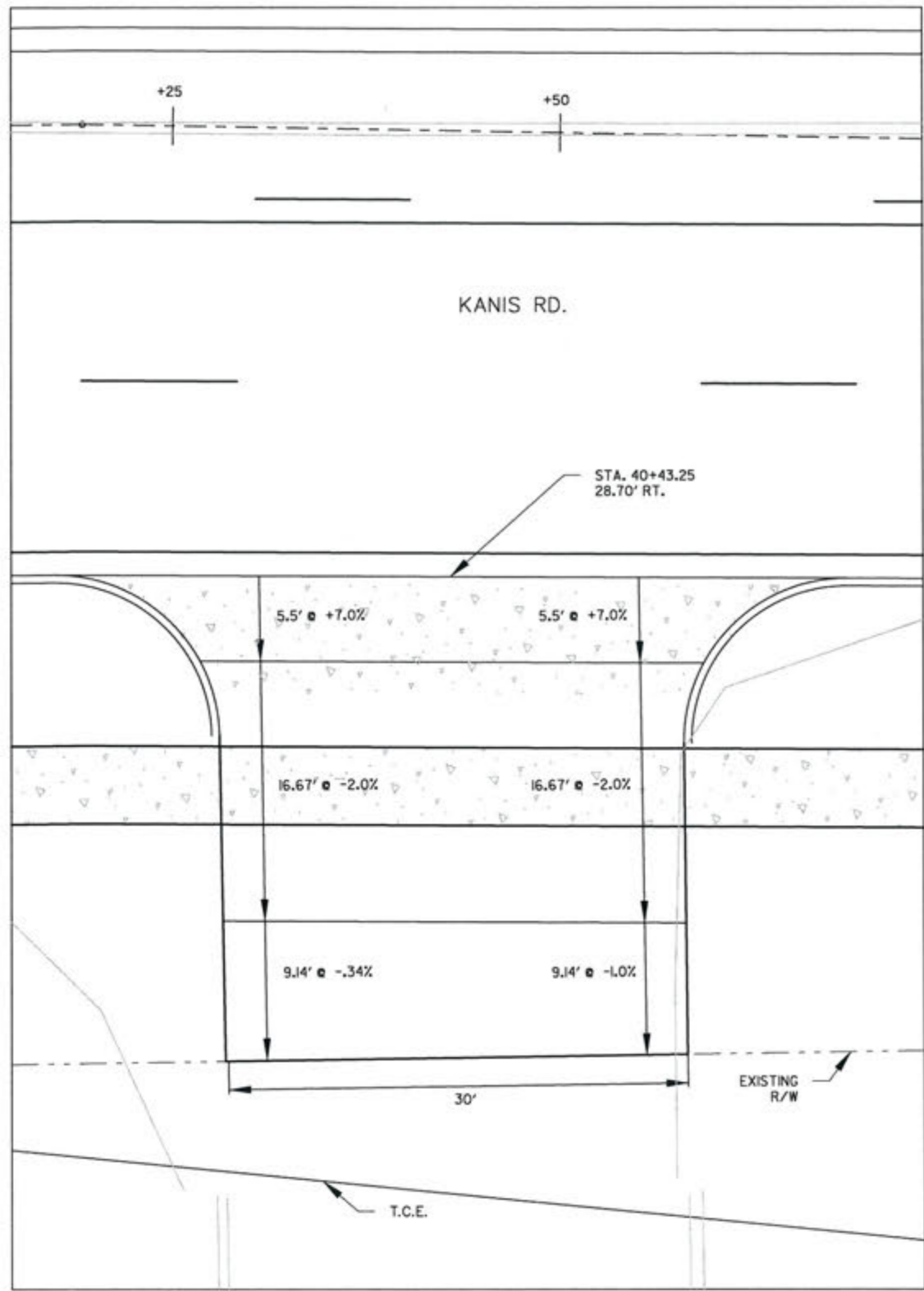
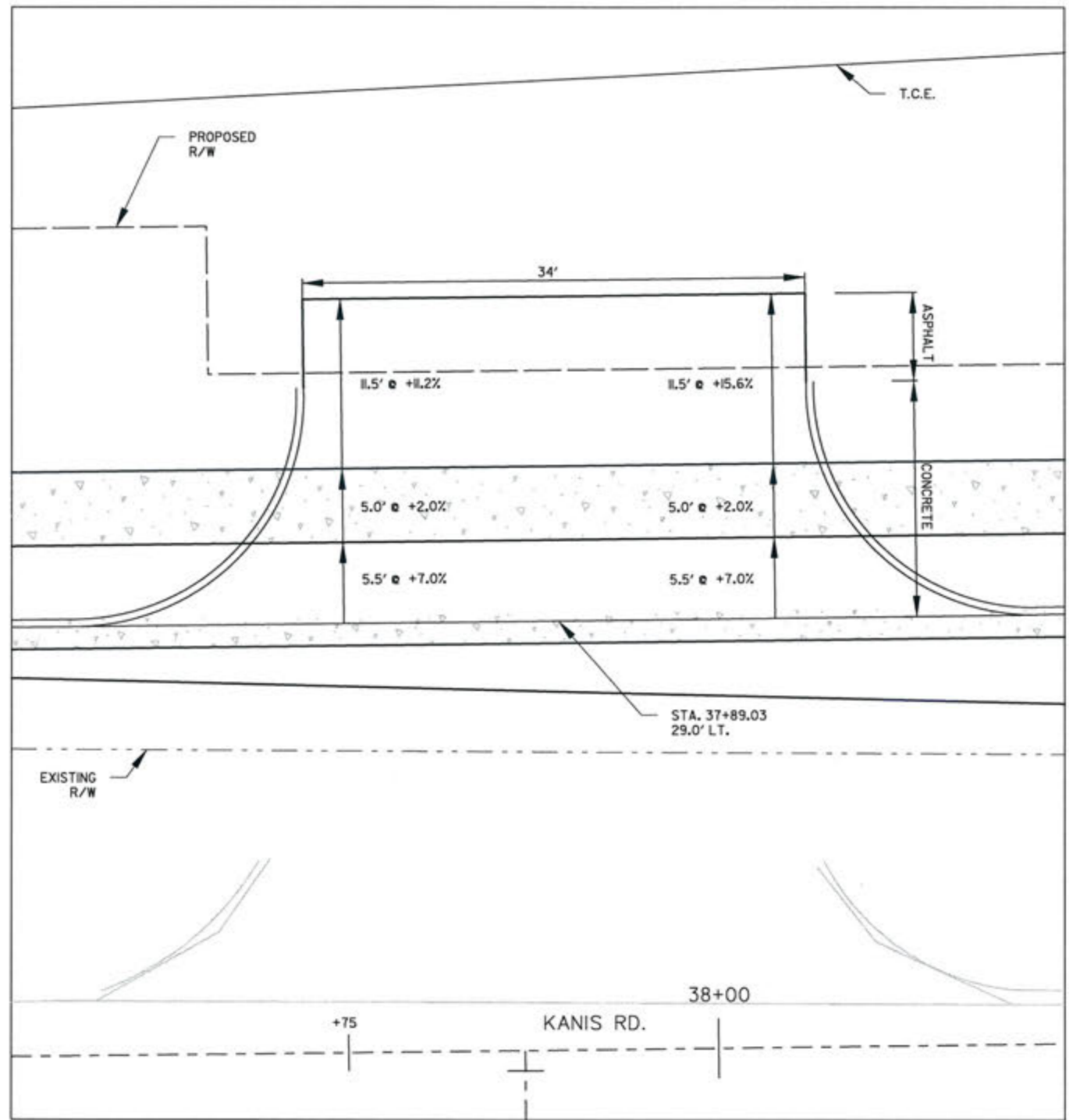
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 4

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11437  
 ERVIN G. TORLBEK

315-17  
 DRAWN BY JAB  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 2/24/17  
 SCALE 1" = 10'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-121



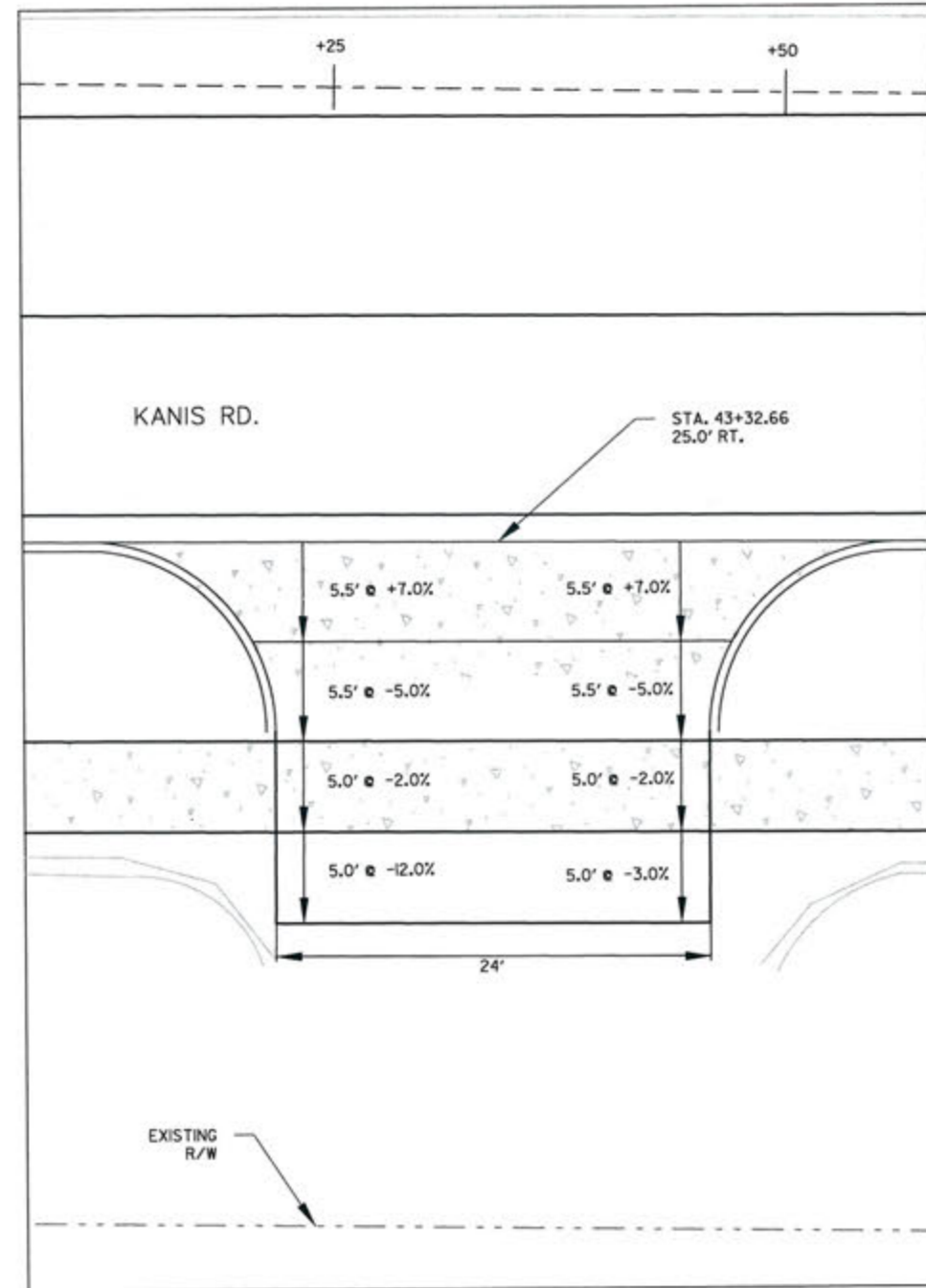
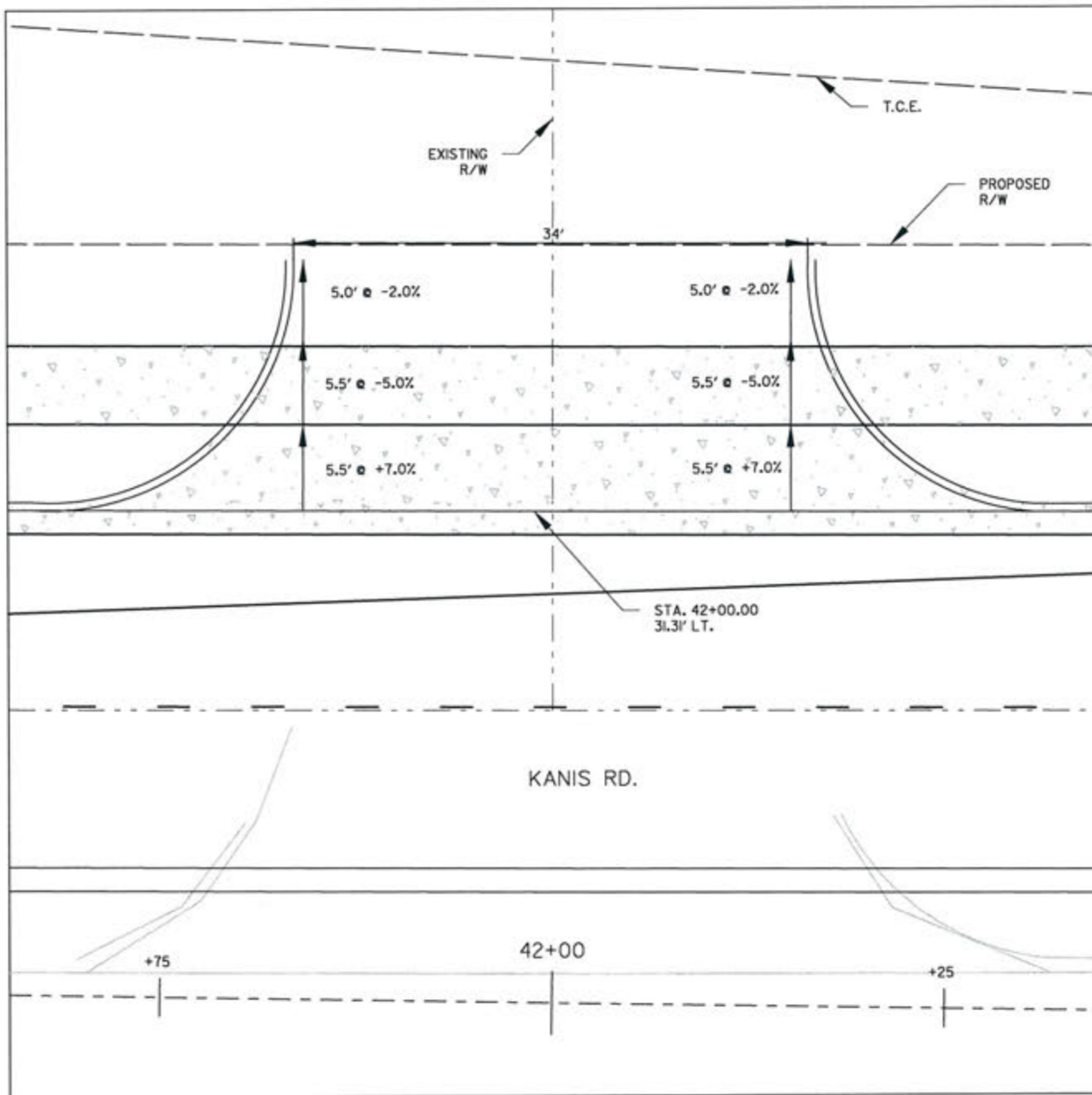
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 5

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-15-17  
 DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-122



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 6



DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-15-17  
 DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-123



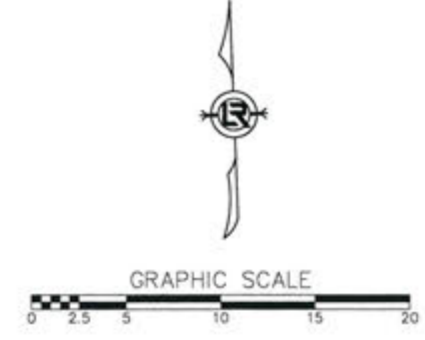
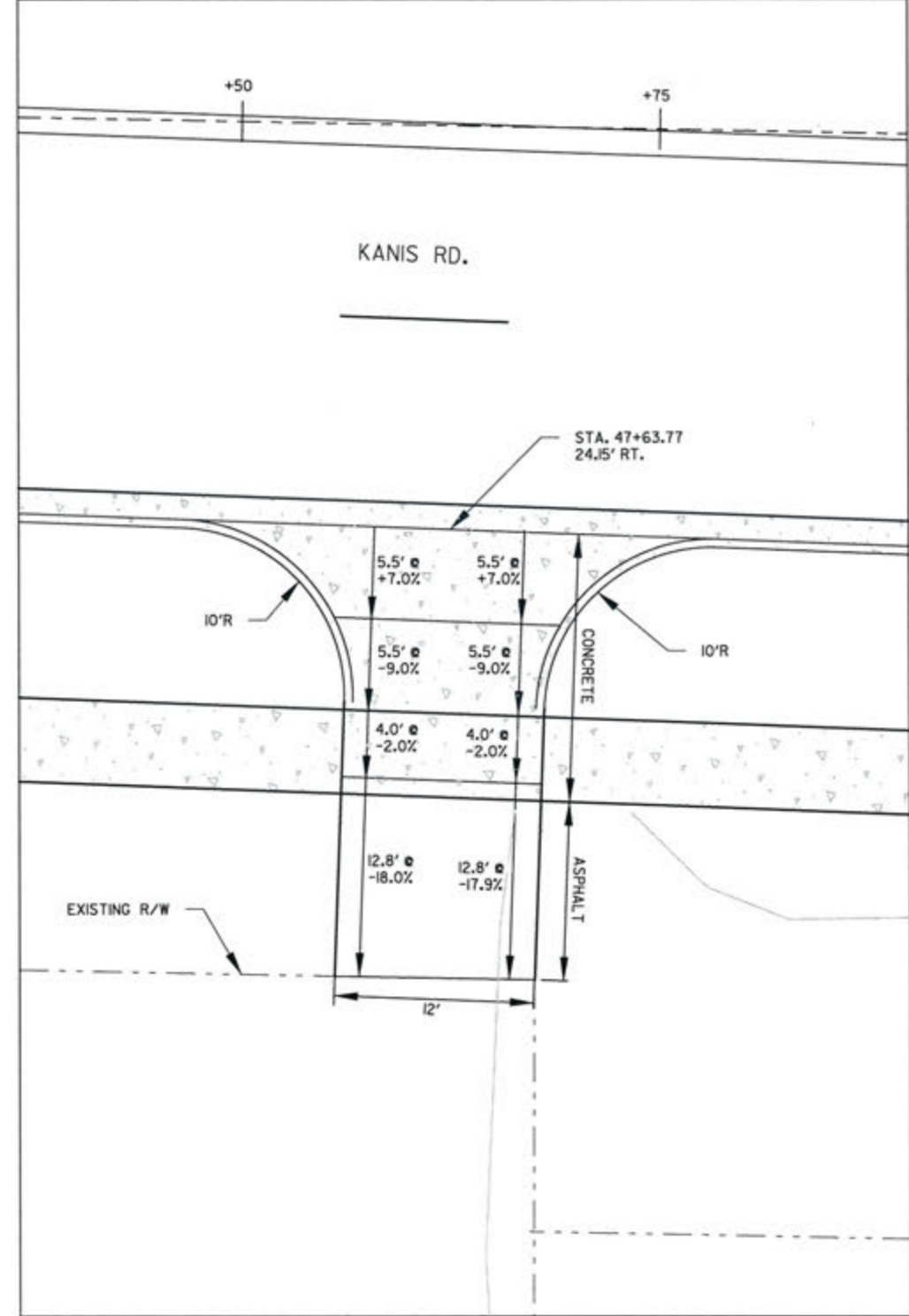
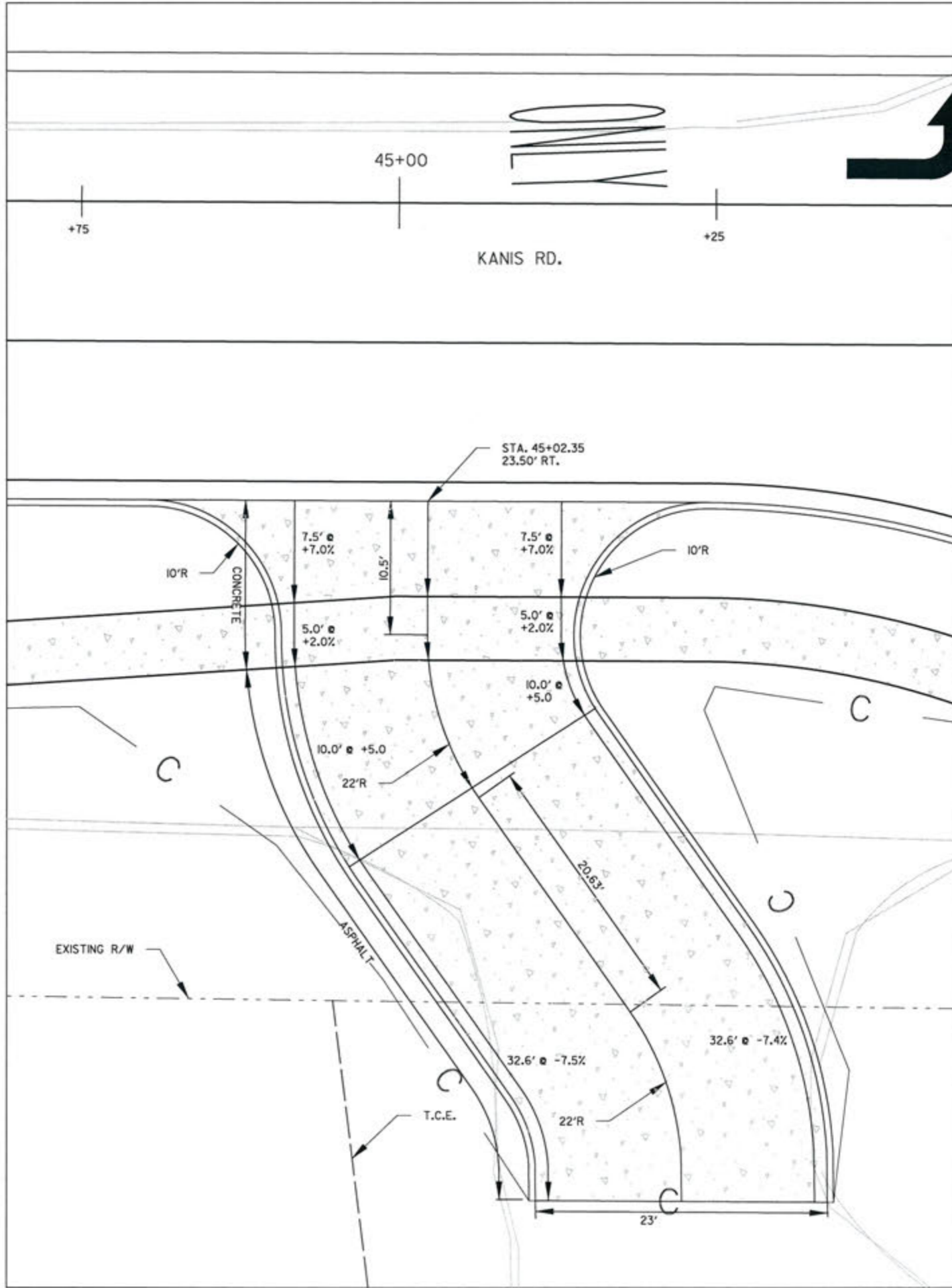
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 7

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBIASSETT

2-15-17  
 DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-124

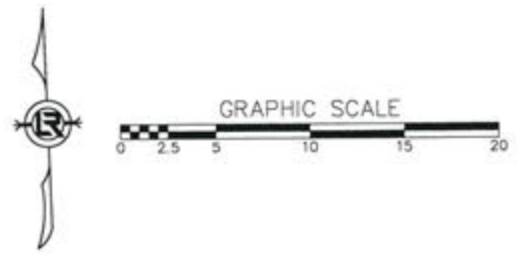
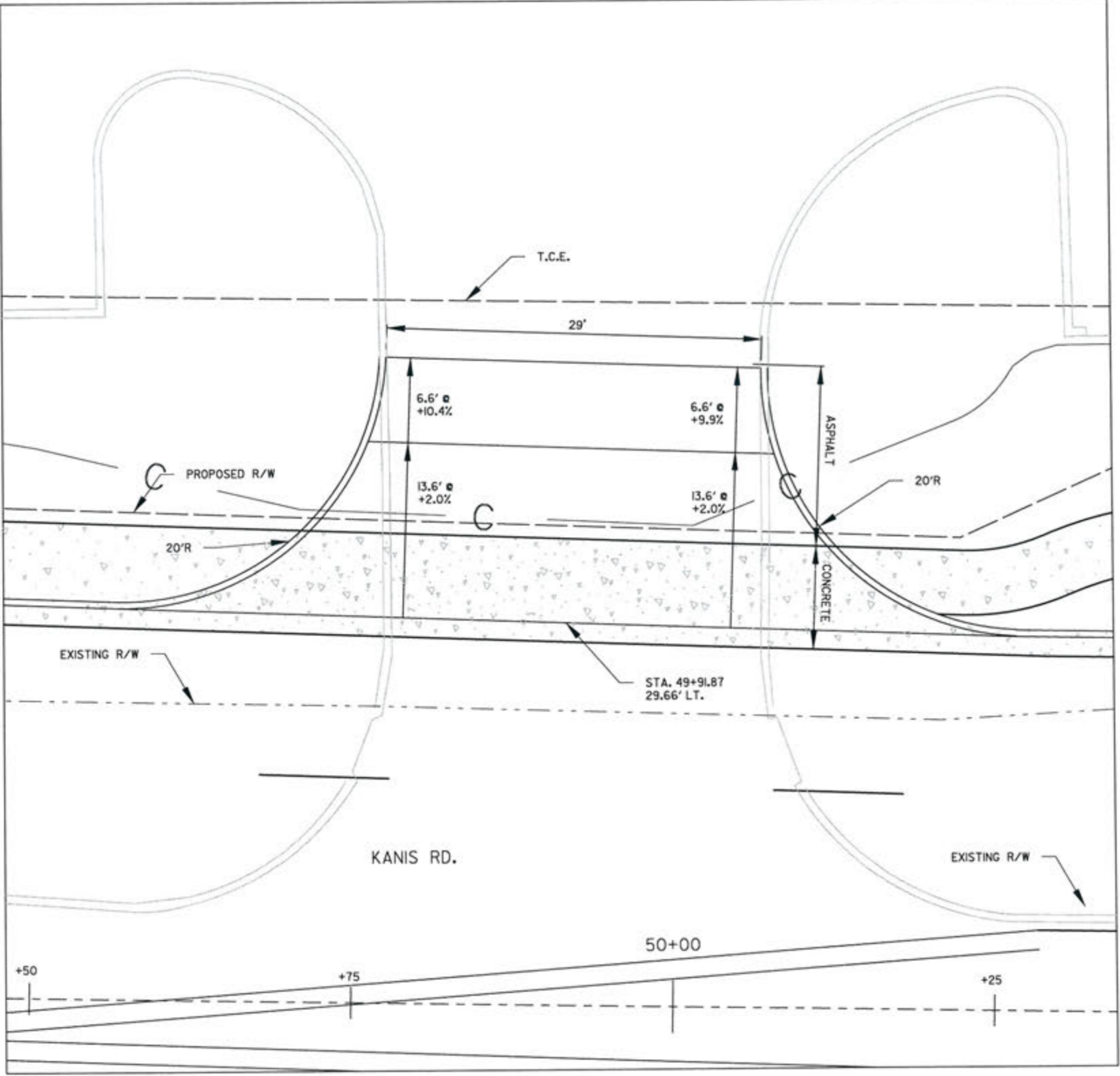
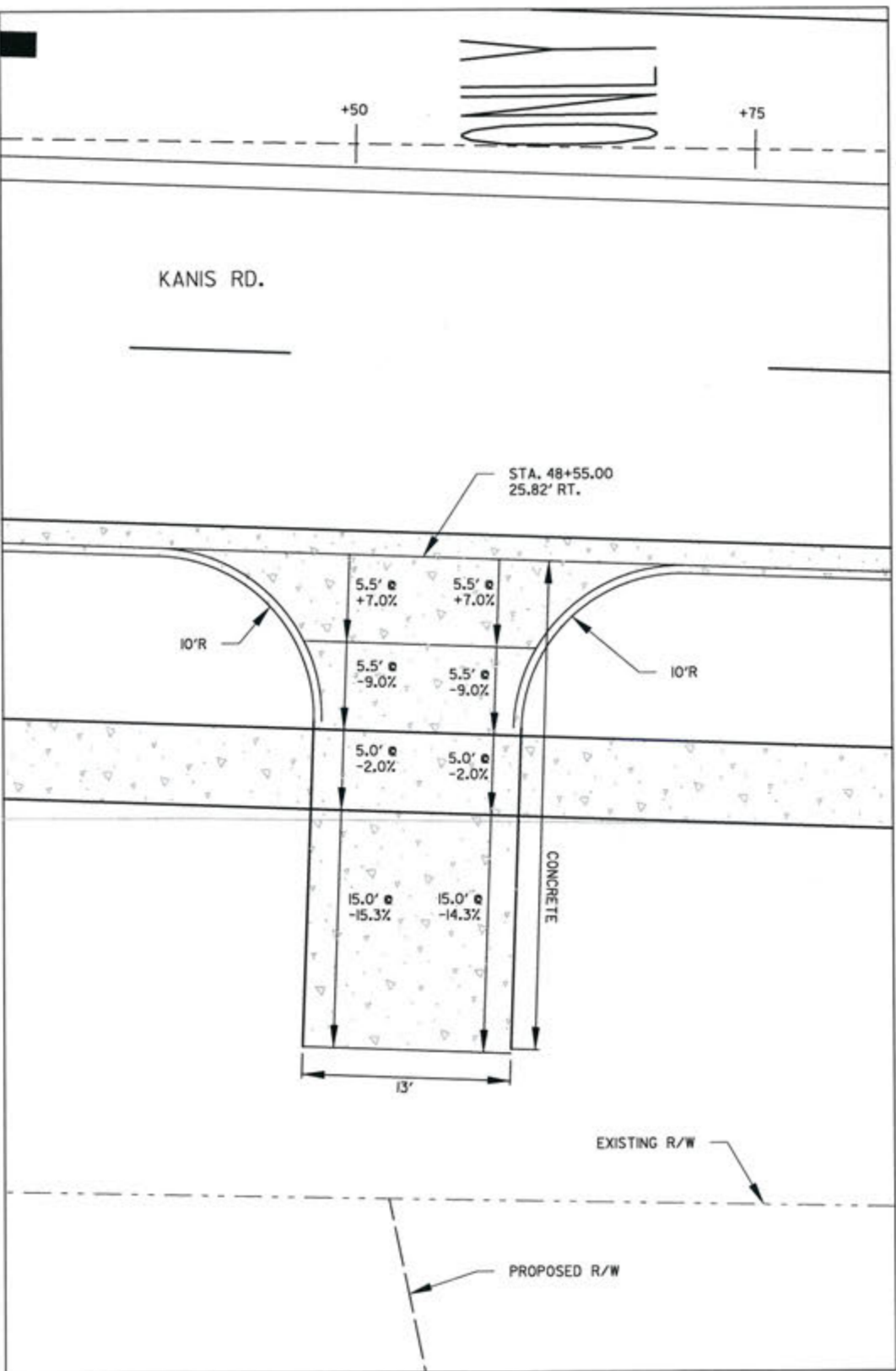


CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 8

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 EVELYN G. TORLESBY

DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-125



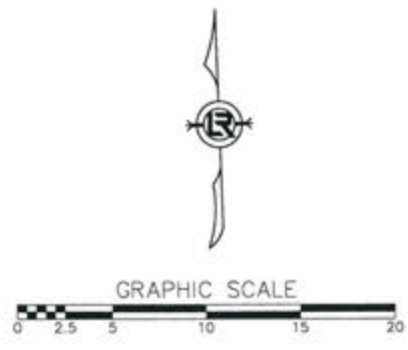
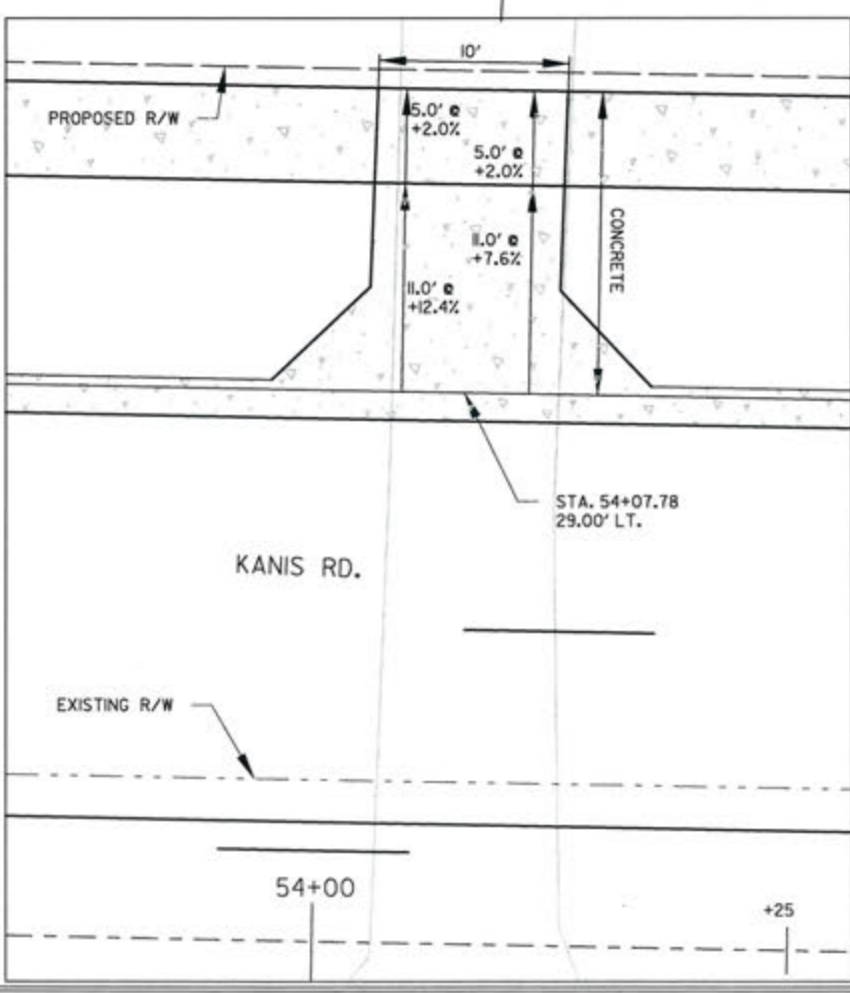
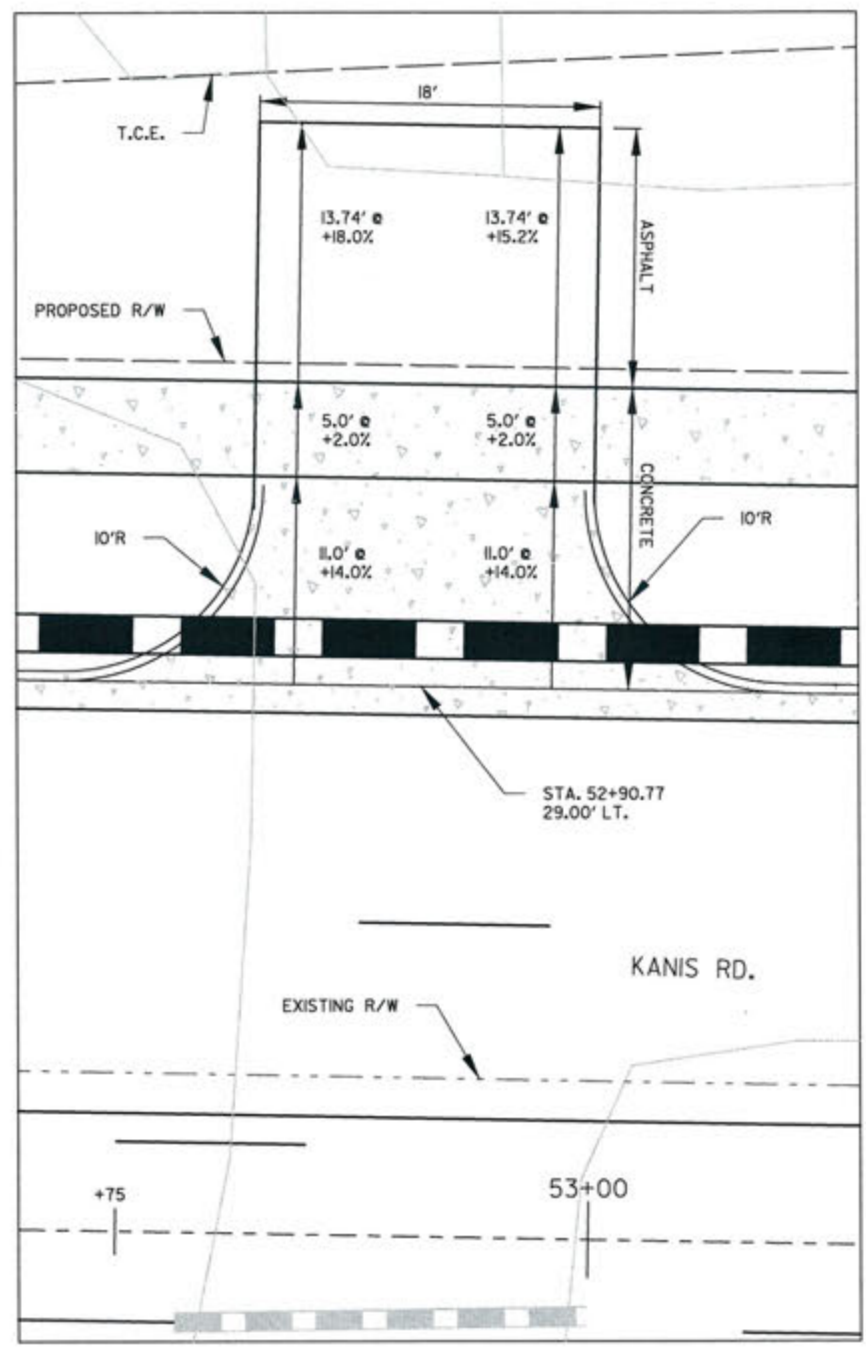
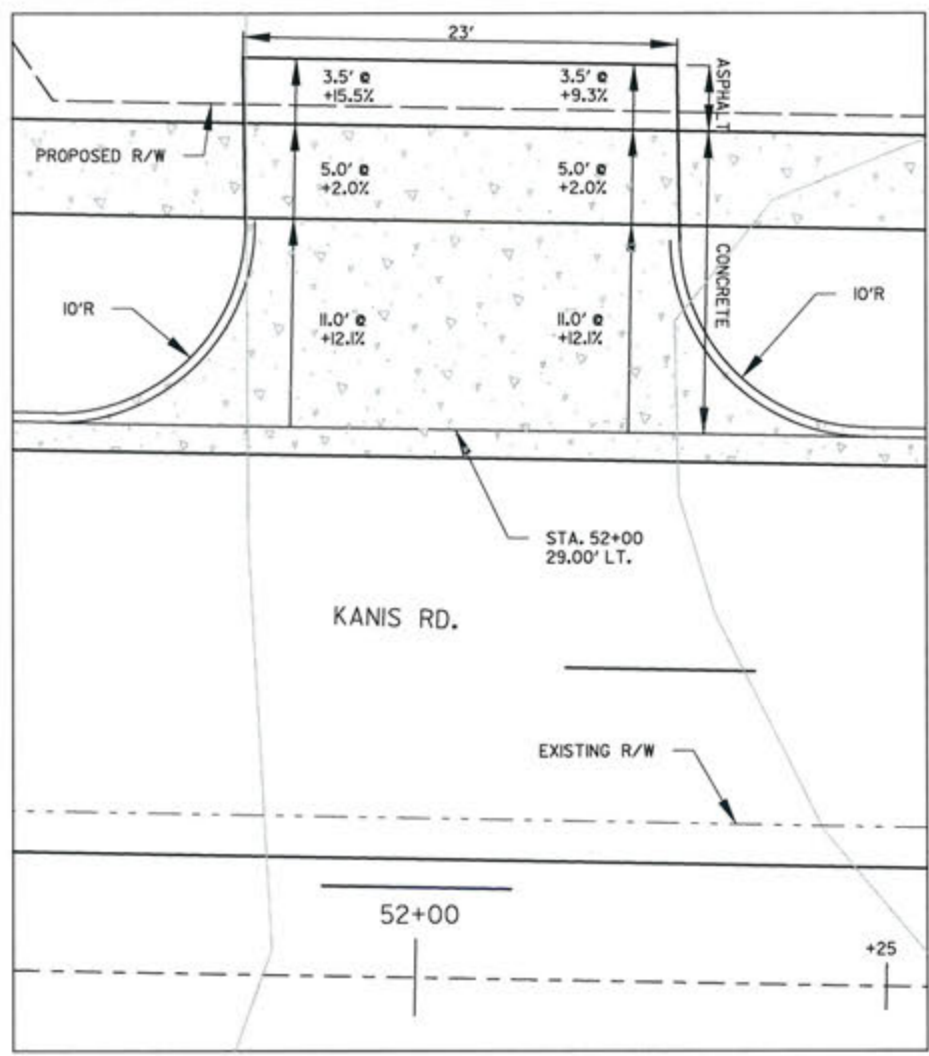
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 9

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11437  
 KEVIN G. TOBIASKEY

DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-126





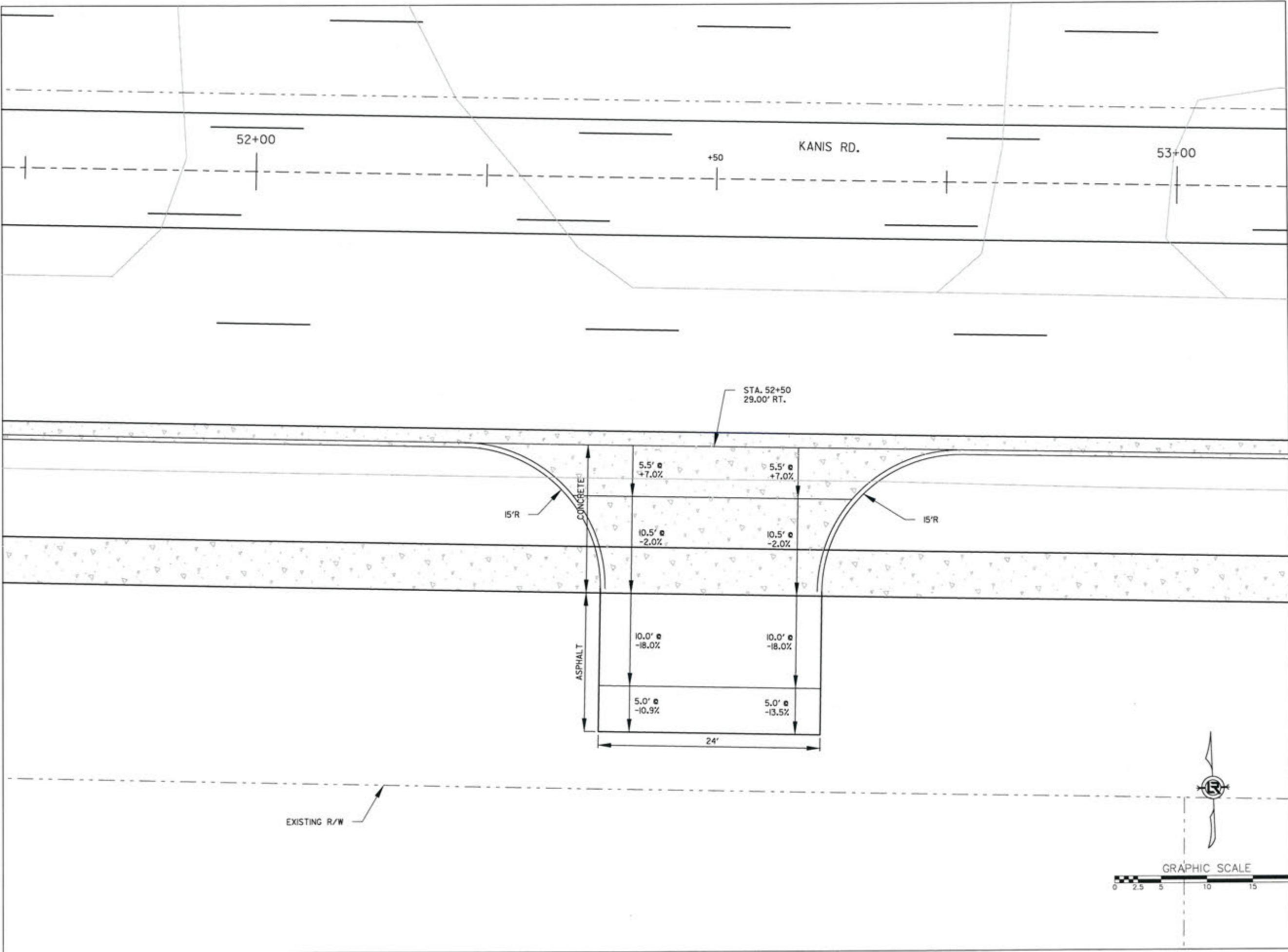
REVISIONS	DATE

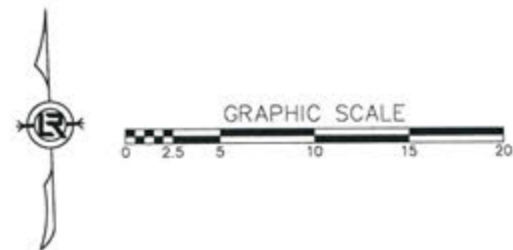
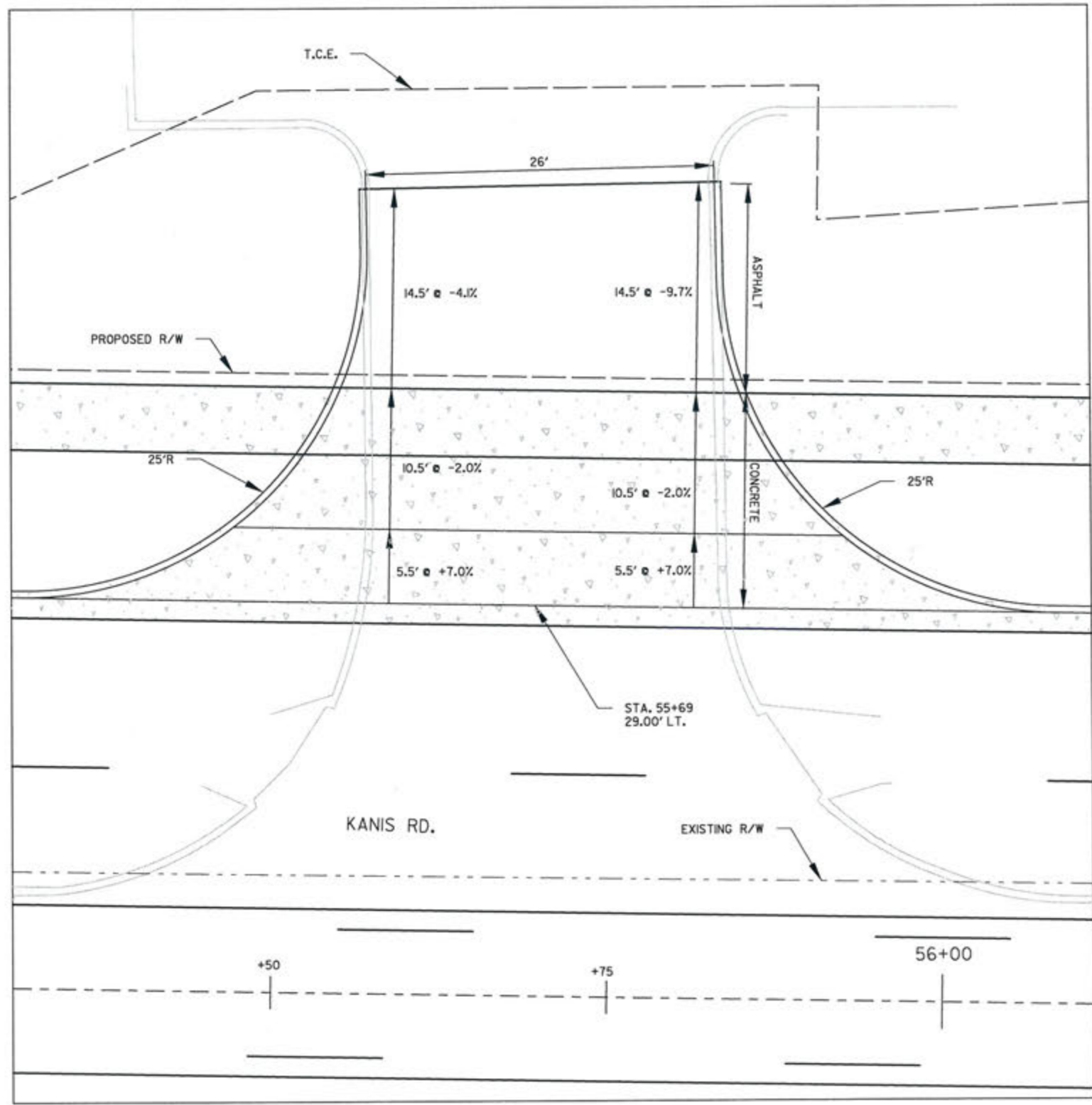
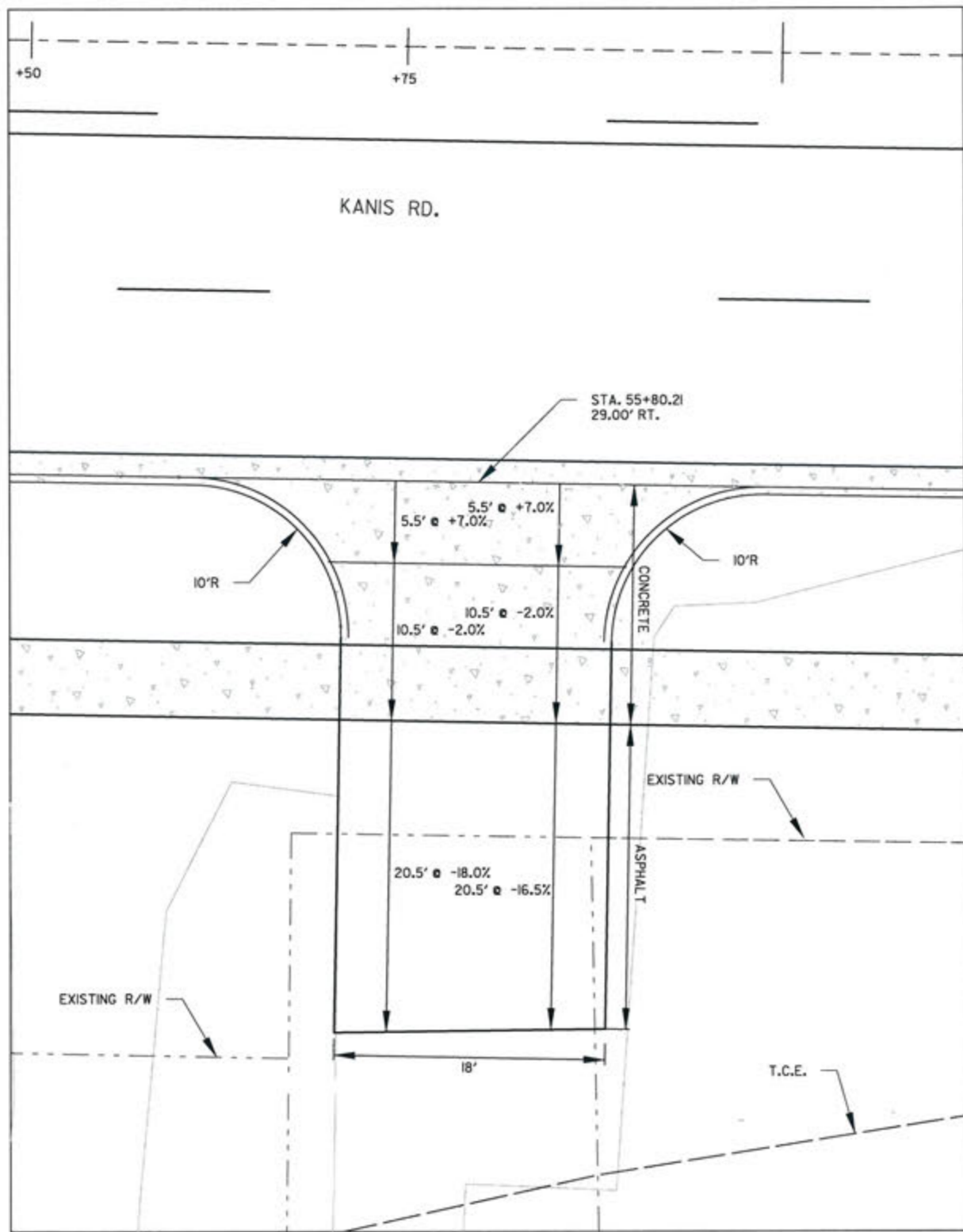
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 9

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TORLESKY

3-15-17  
 DRAWN BY RFR  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 2/24/17  
 SCALE 1" = 10'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-126A





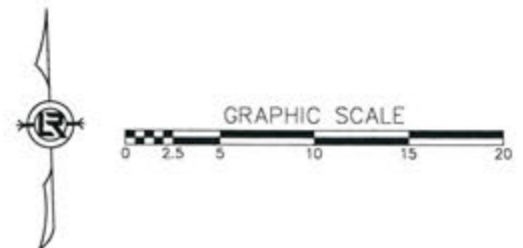
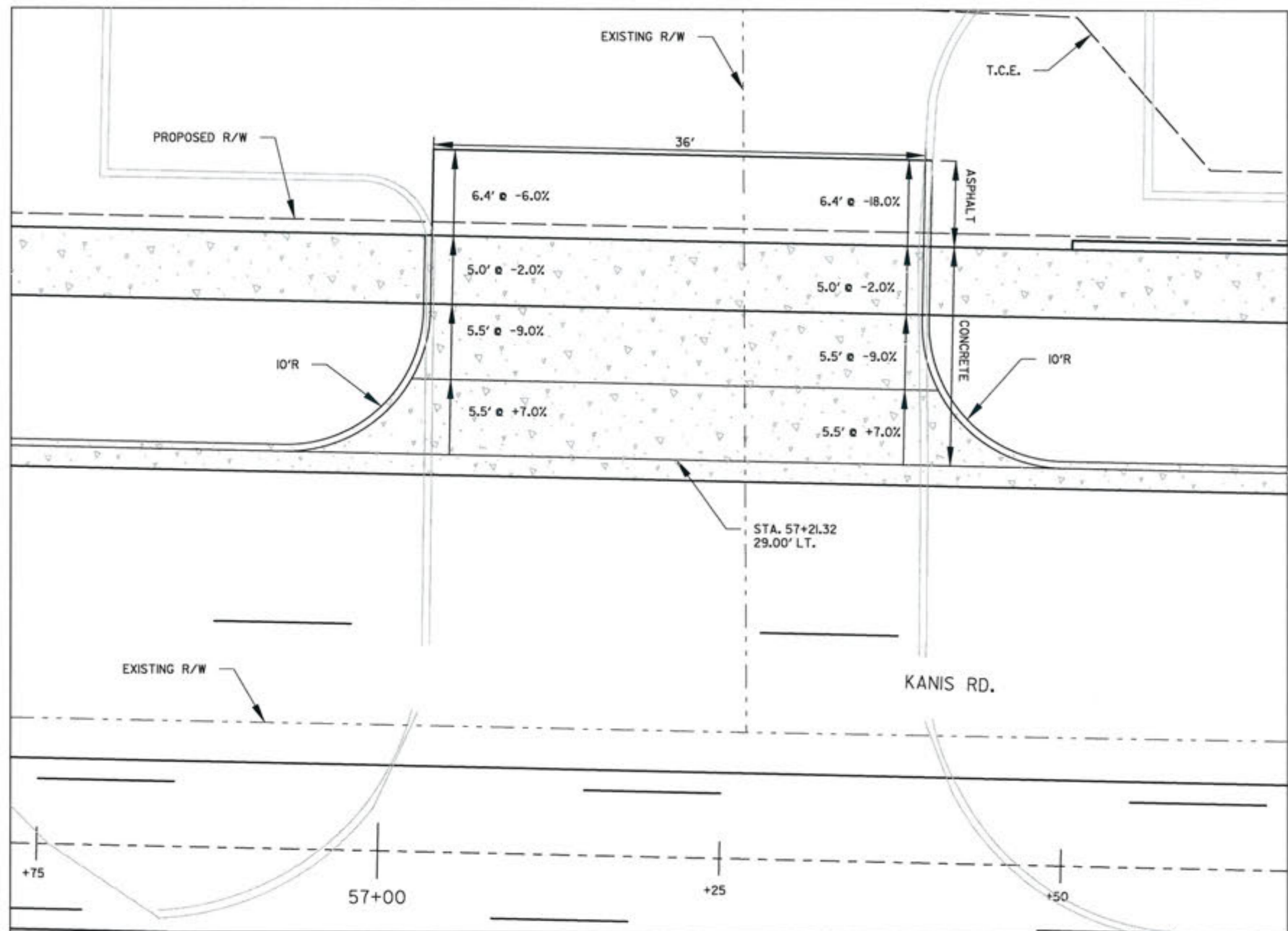
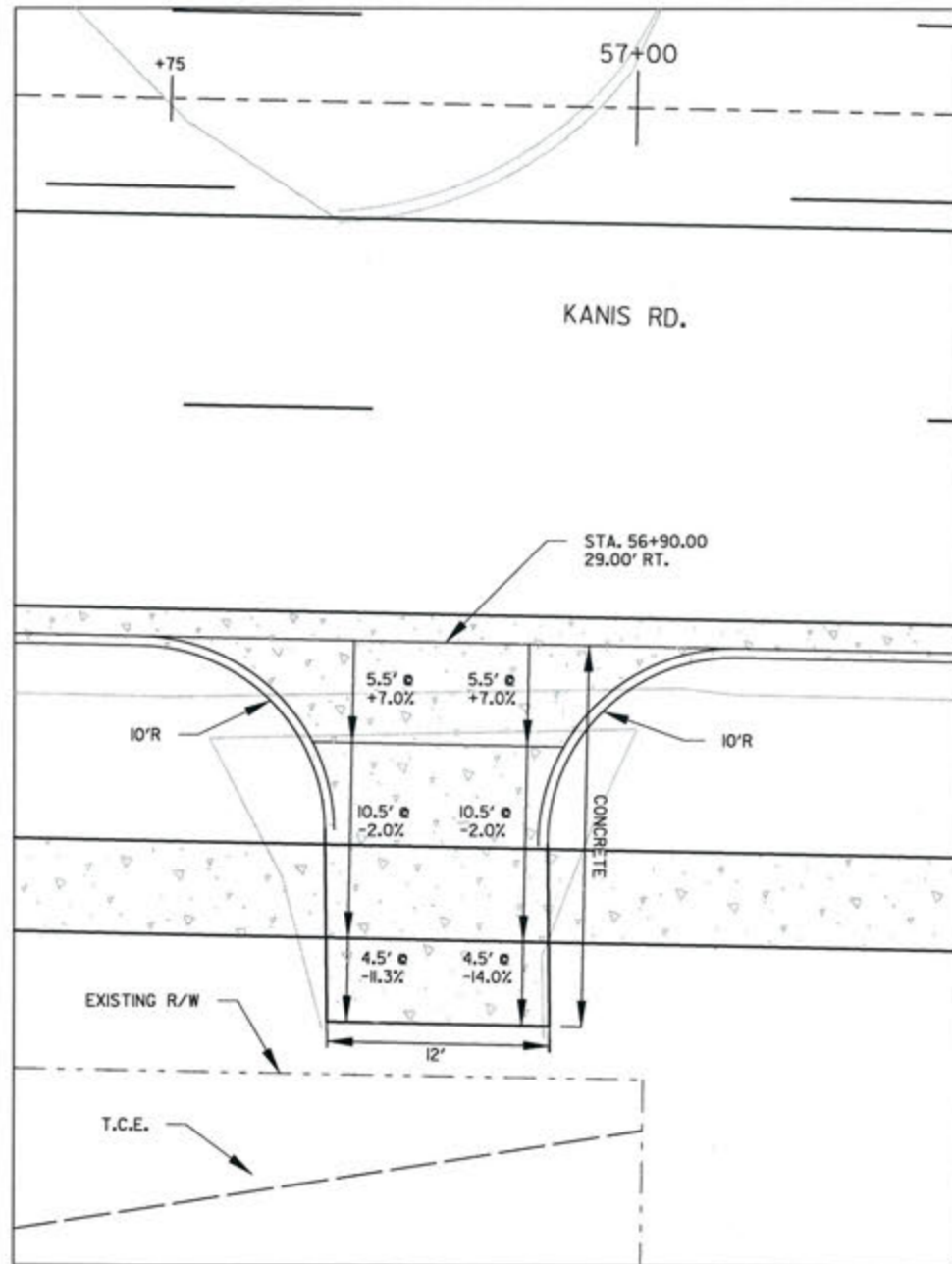
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
KANIS RD.  
DRIVEWAY DETAIL SHEET 10

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
ERVIN G. TORLESKY

3-15-17  
DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
2/24/17  
SCALE  
1" = 10'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-127



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 11

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLEBY

2-15-17  
 DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-128

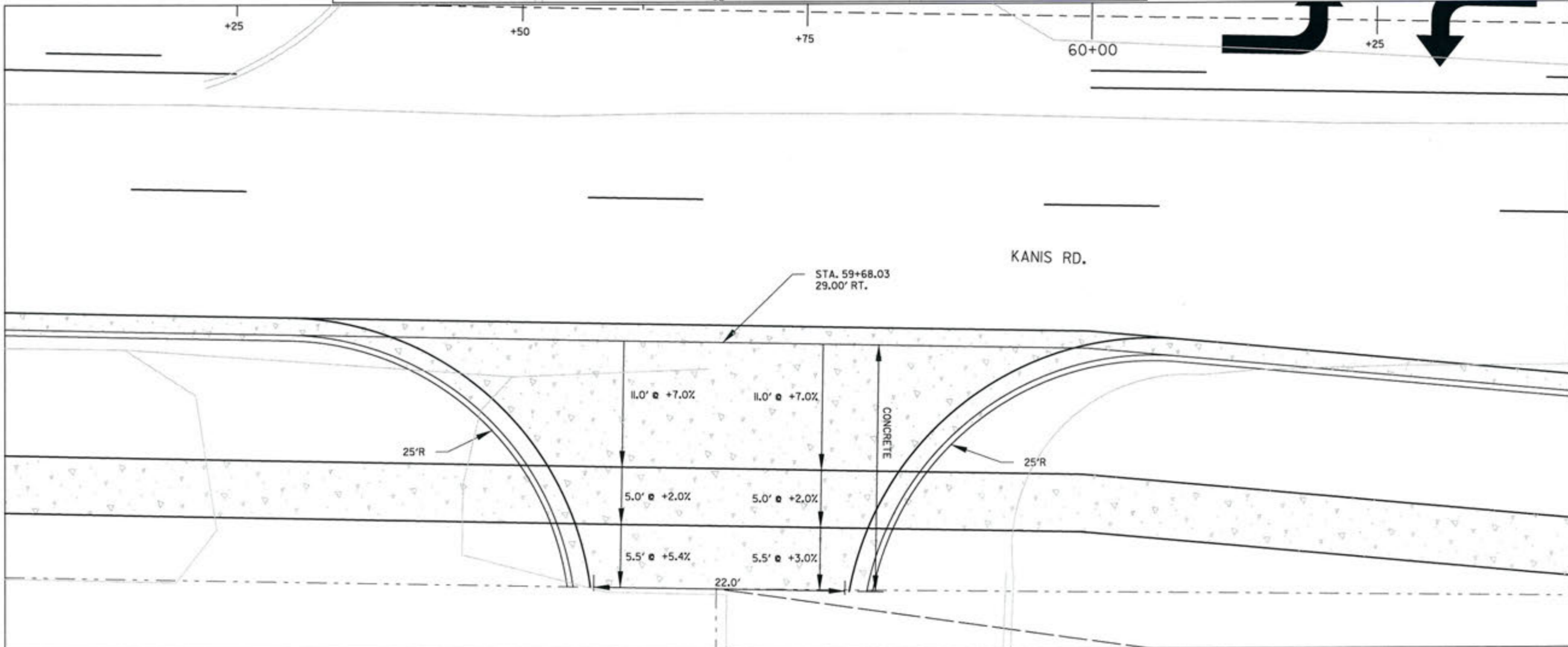
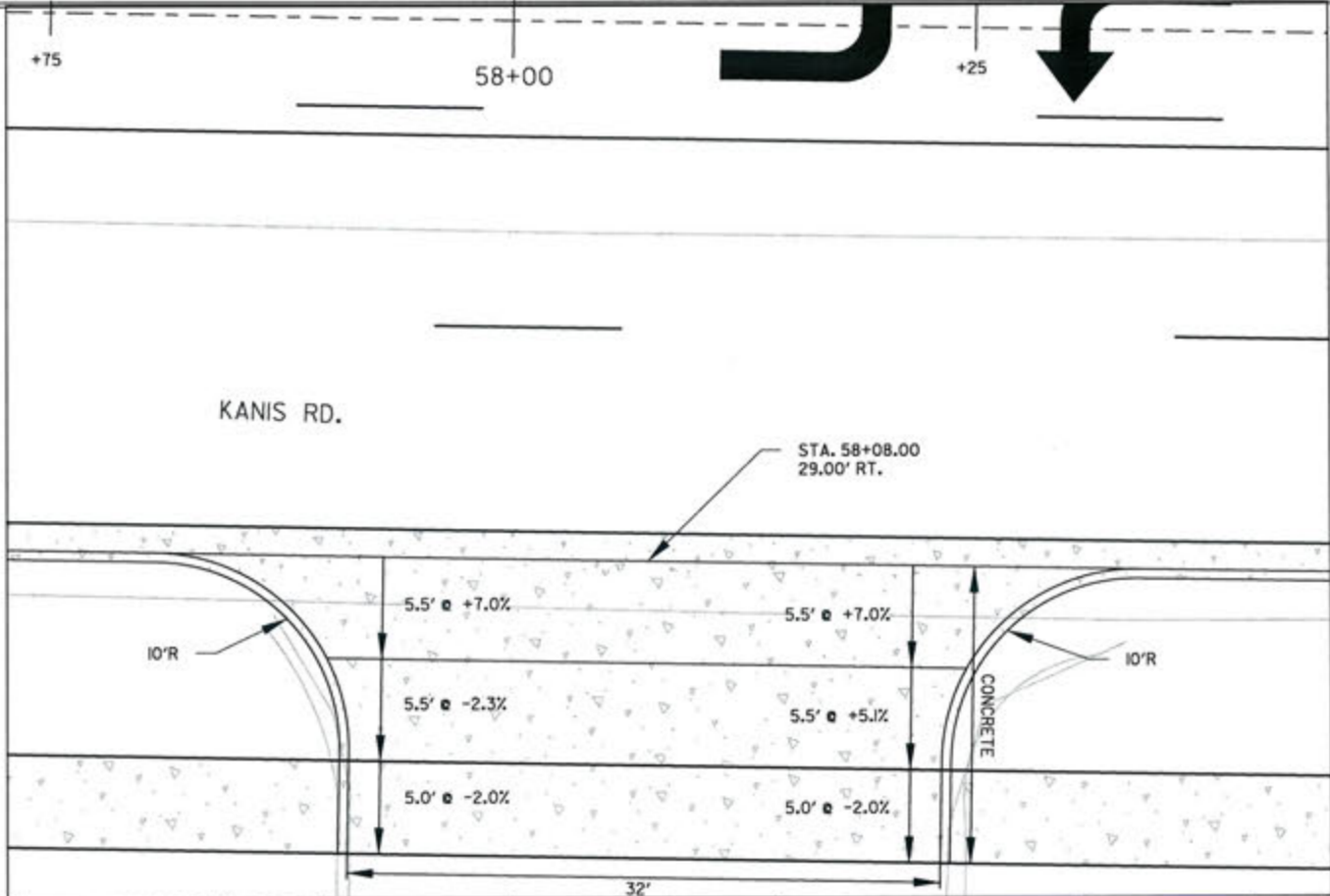
REVISIONS	DATE

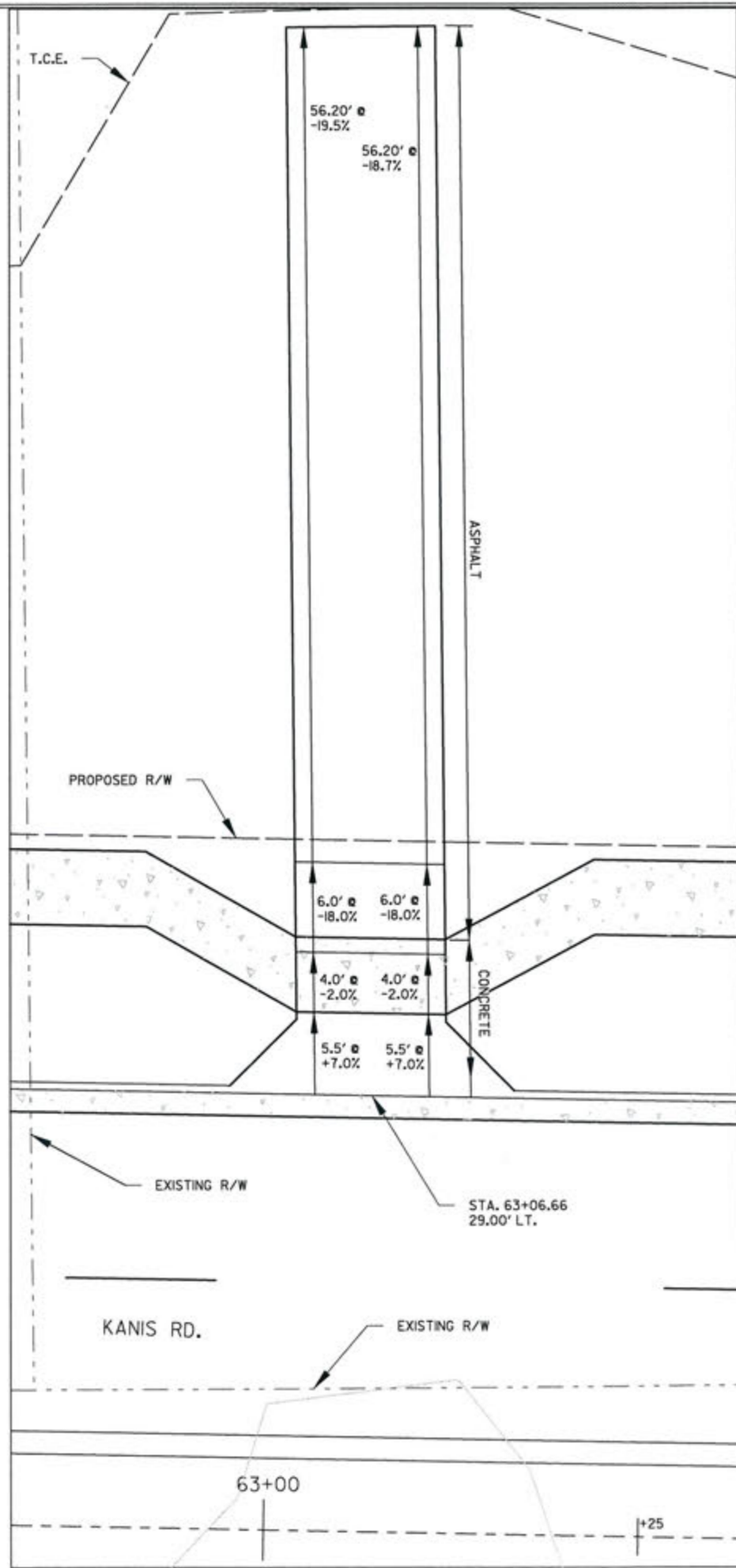
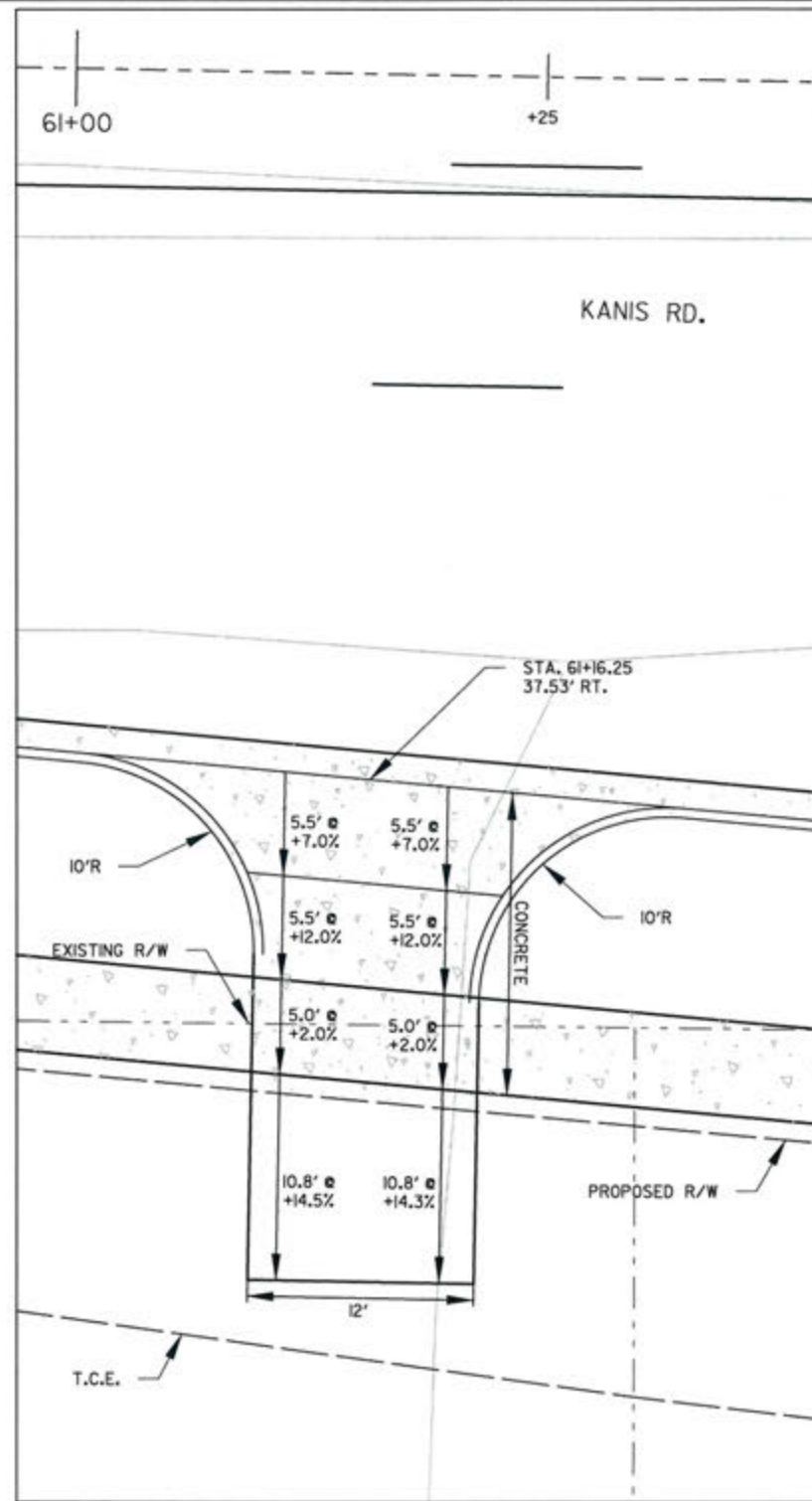
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 12

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBLESKY

DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-129





REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 13

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERYN G. TORRESKY

DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-130

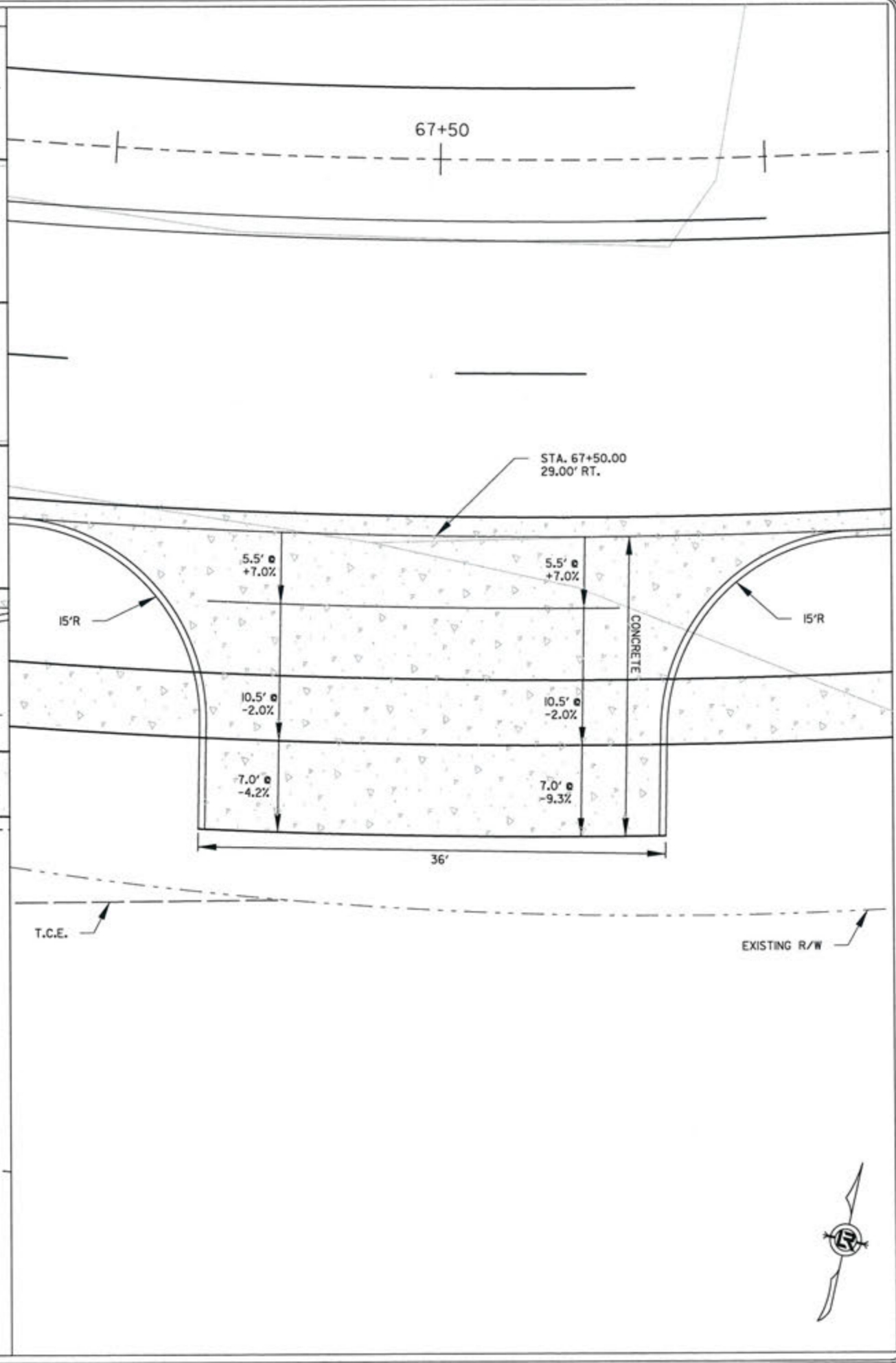
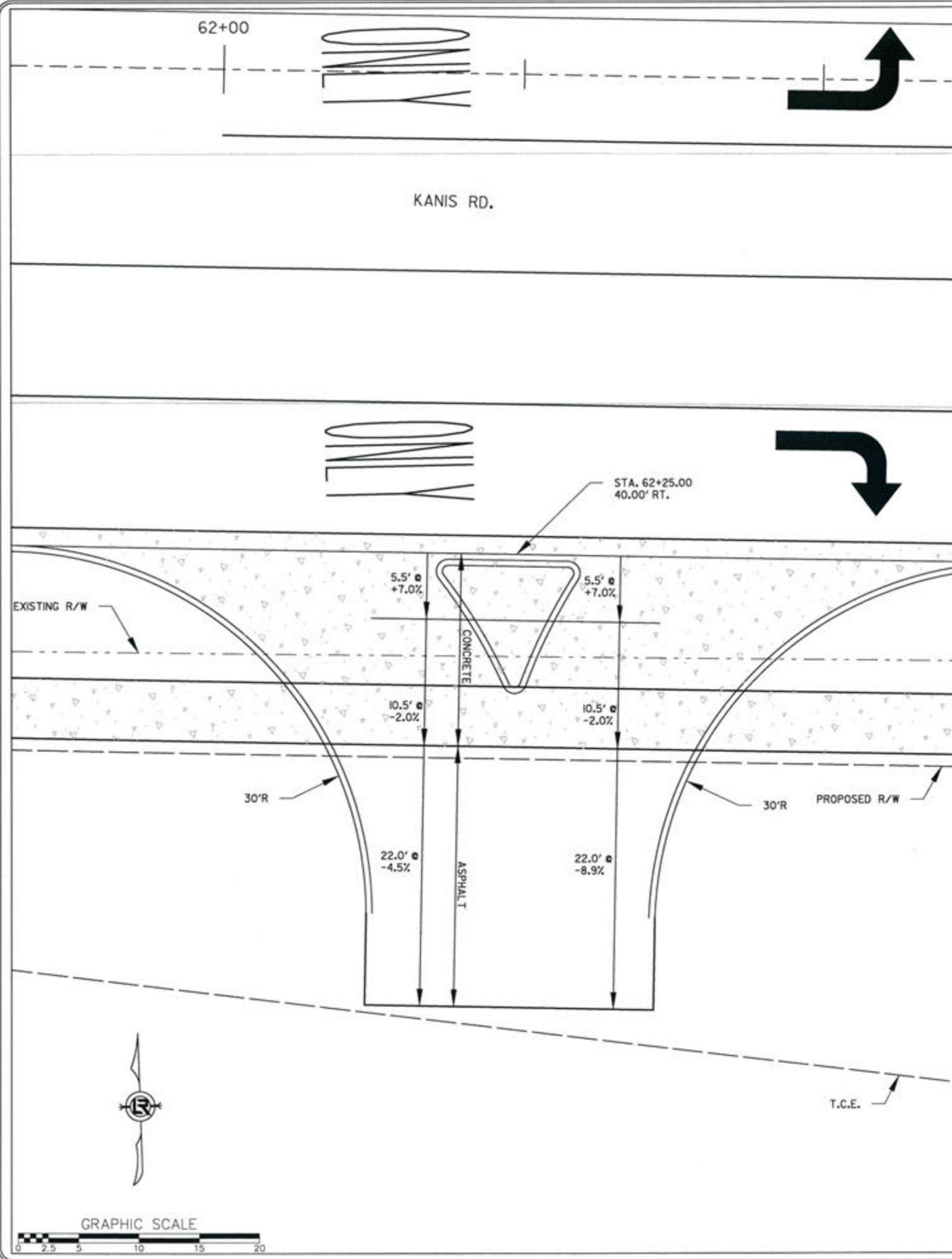
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 13

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TORLESKY

DRAWN BY  
 RFR  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-130A



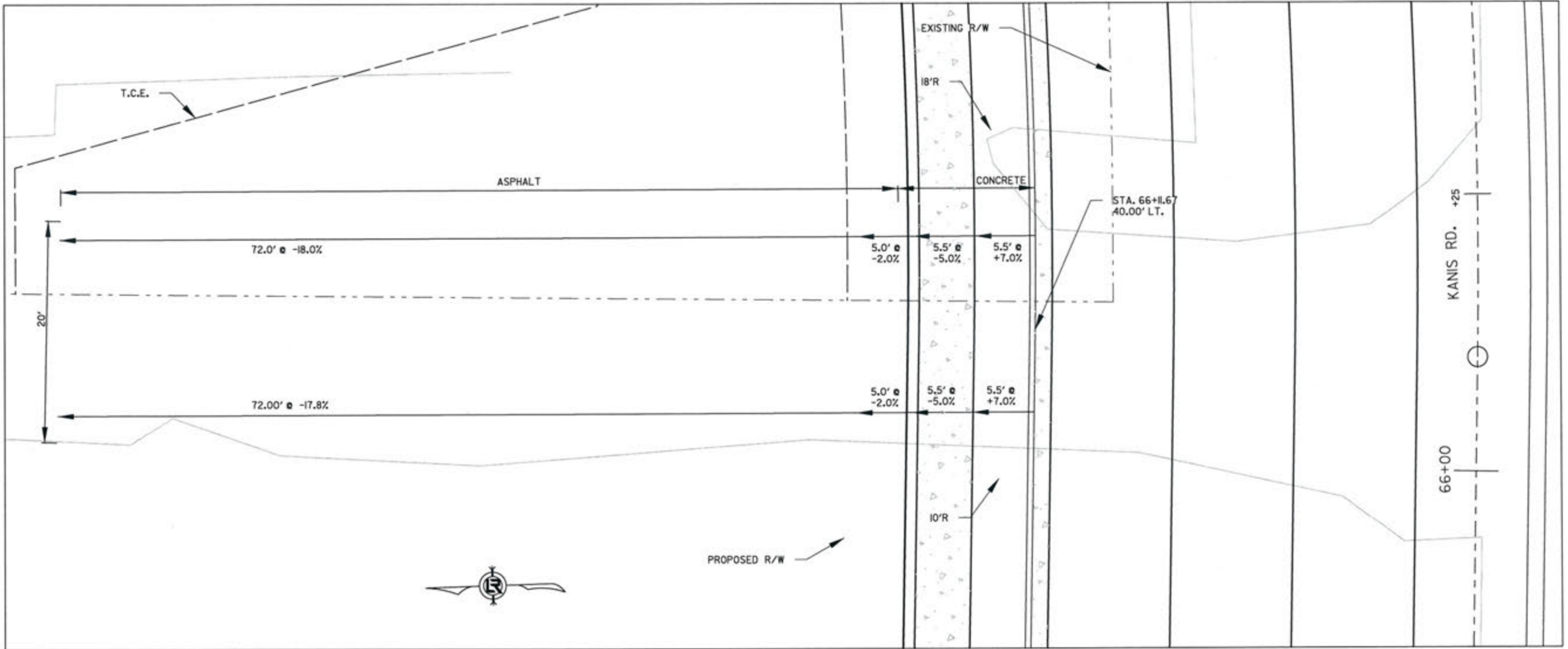
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 14

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TORRES


DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-131



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KANIS ROAD**  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 15

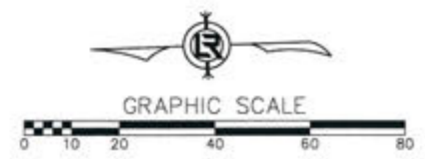
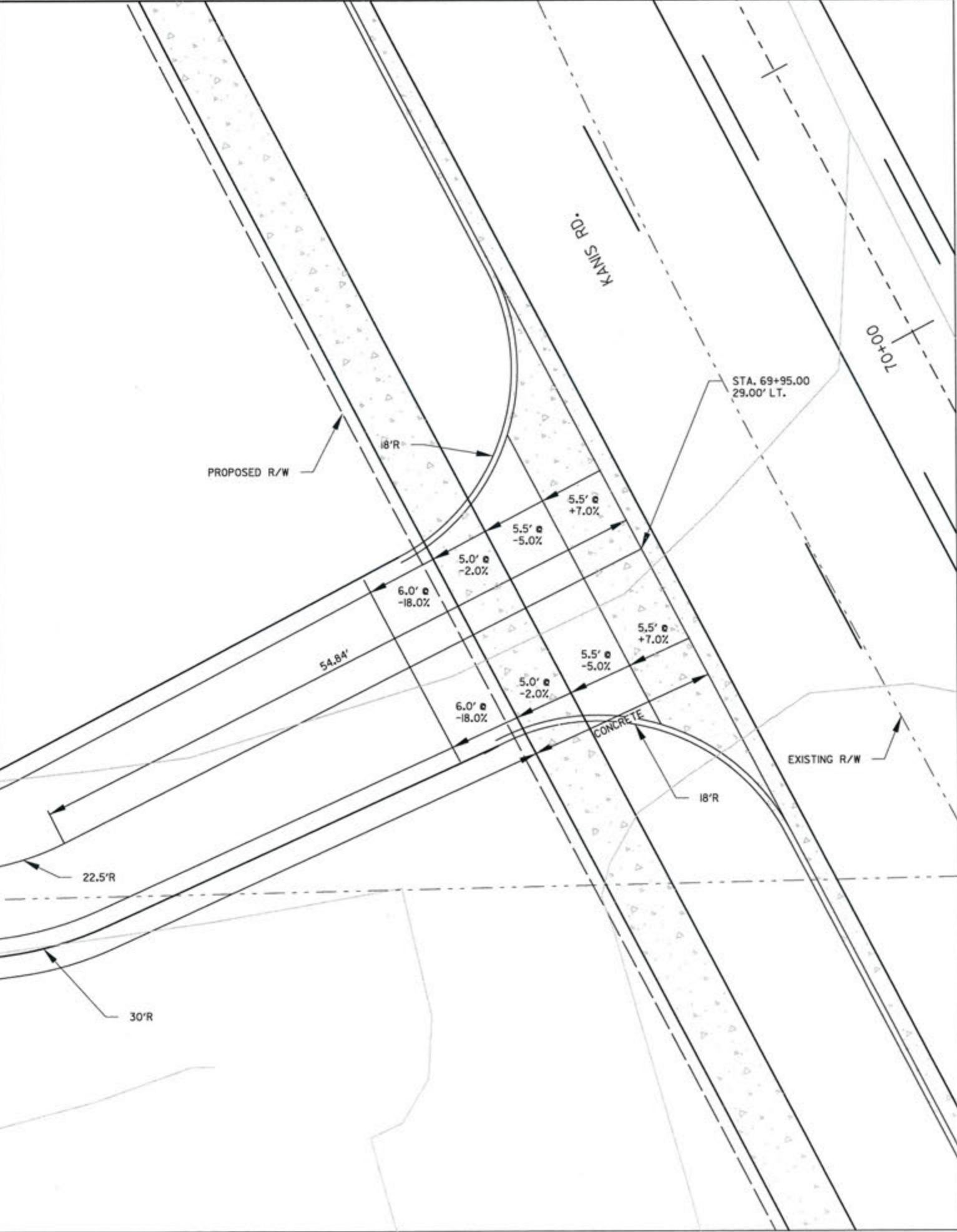
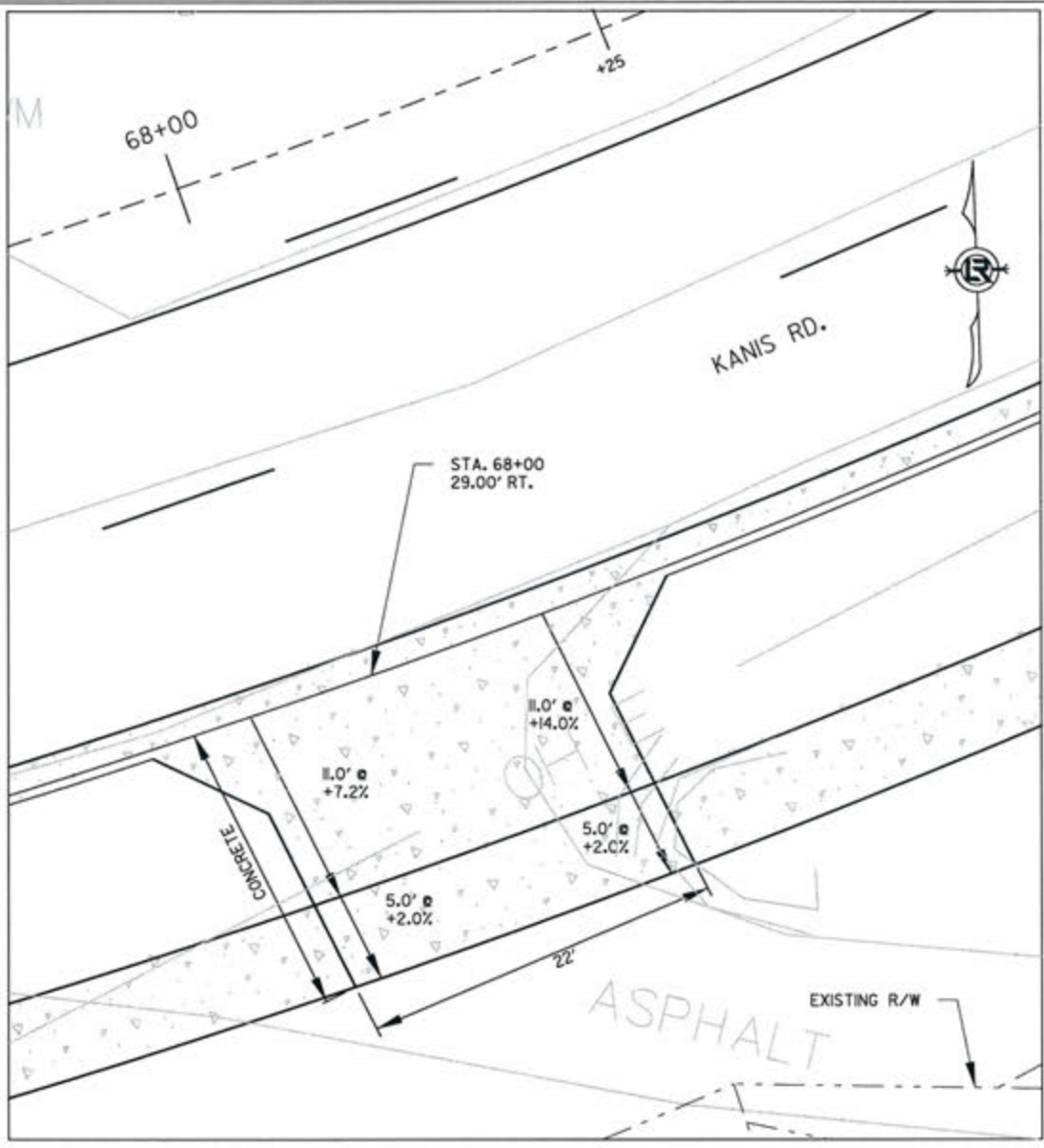
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



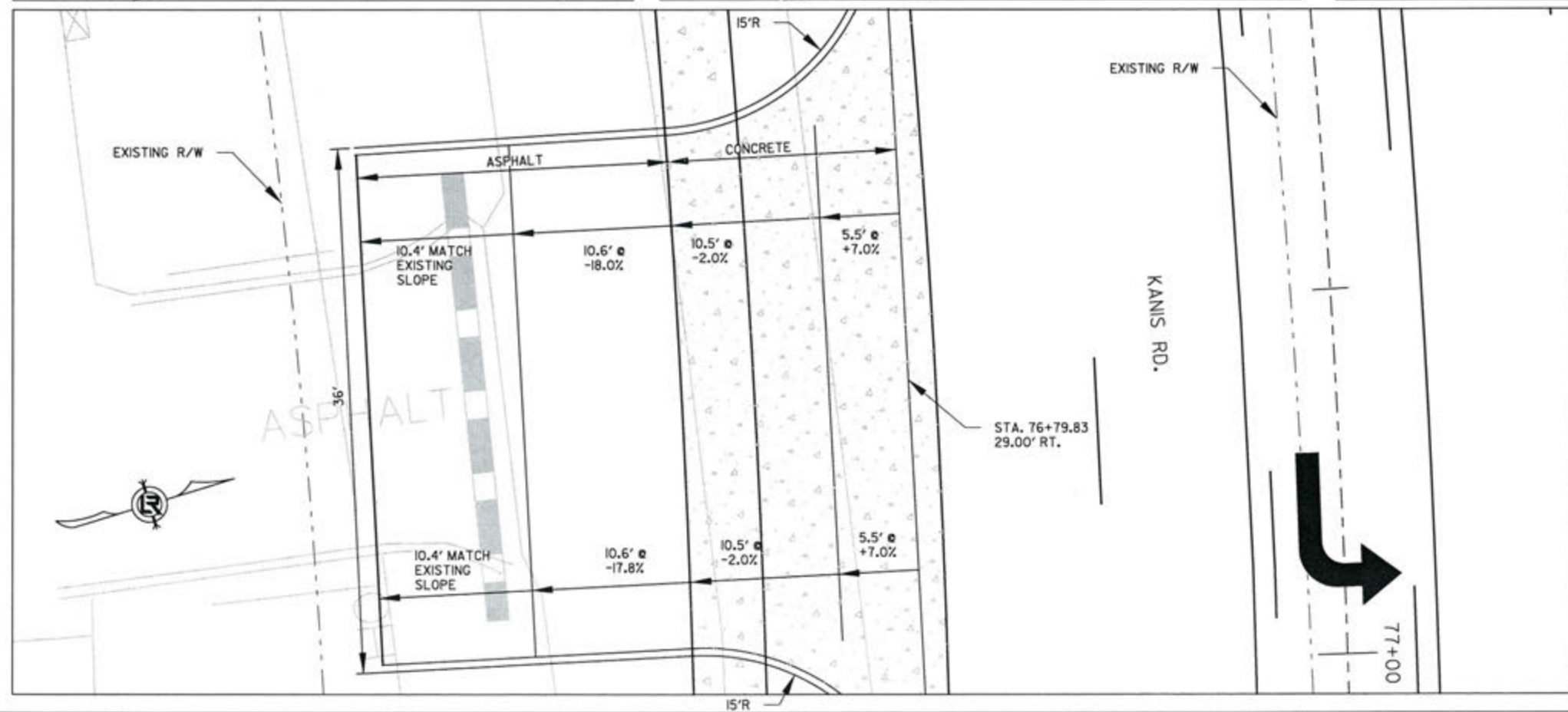
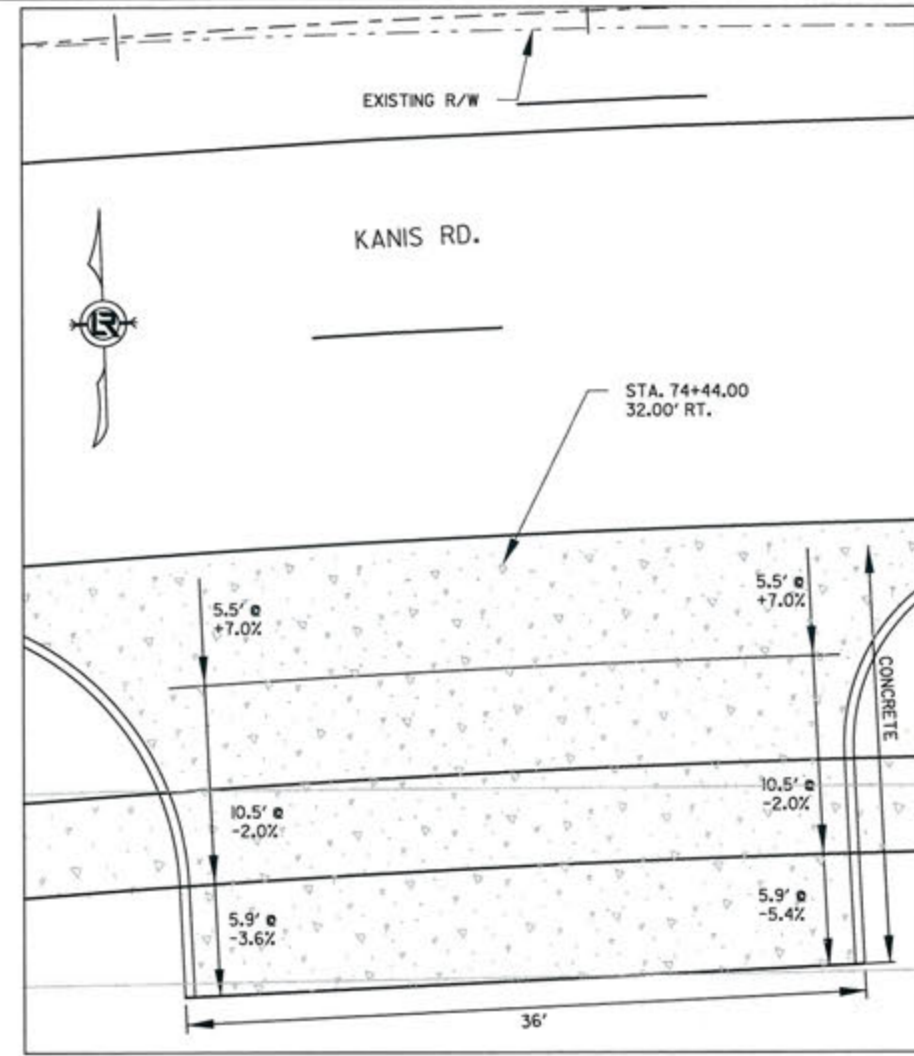
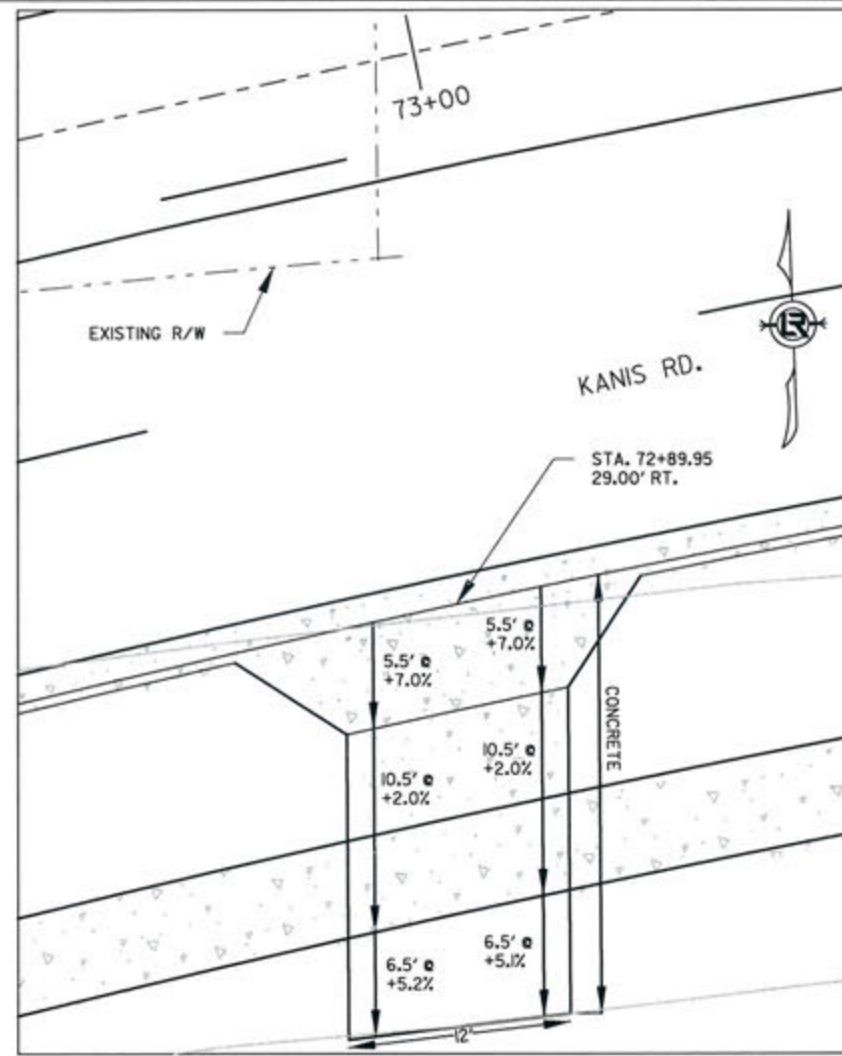
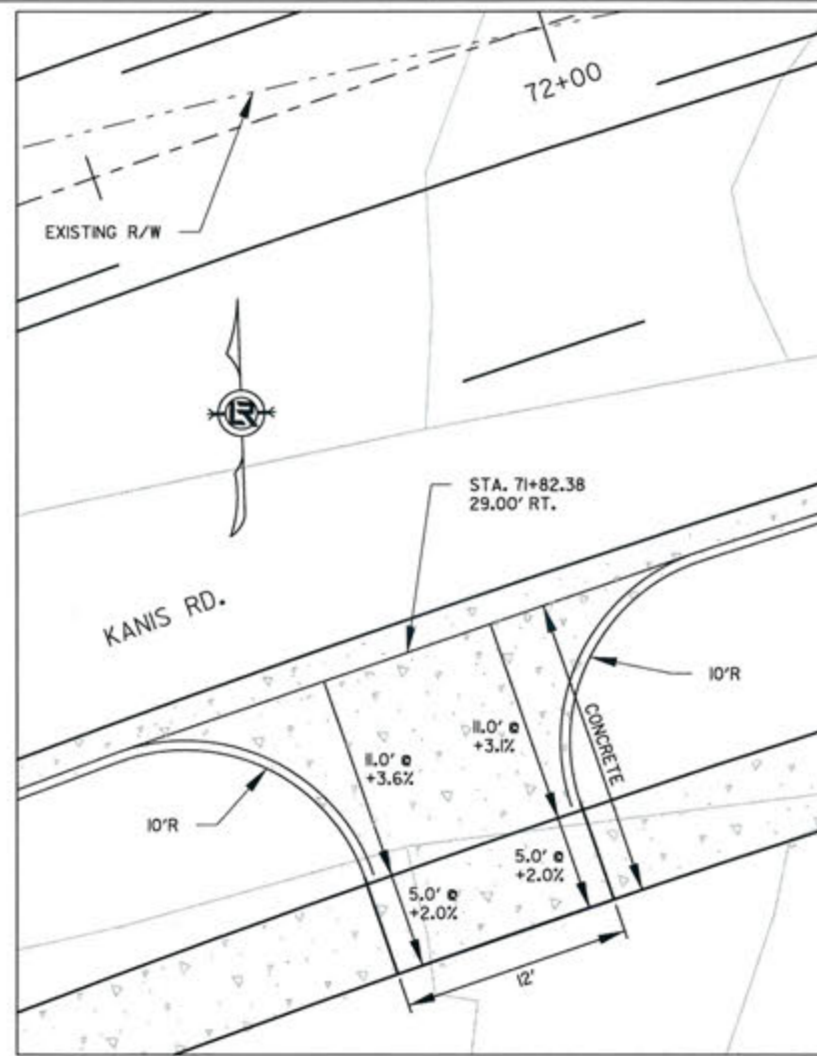
STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 ERVIN G. TOBLESKY

5-15-17

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	2/24/17
SCALE	1" = 10'
PROJECT NO.	13-B-SD-6A
SHEET NO.	C-132







REVISIONS	DATE

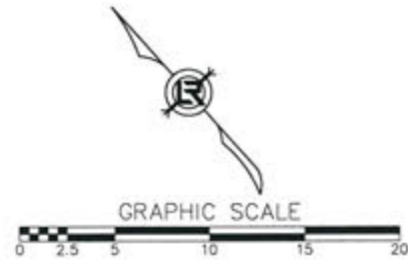
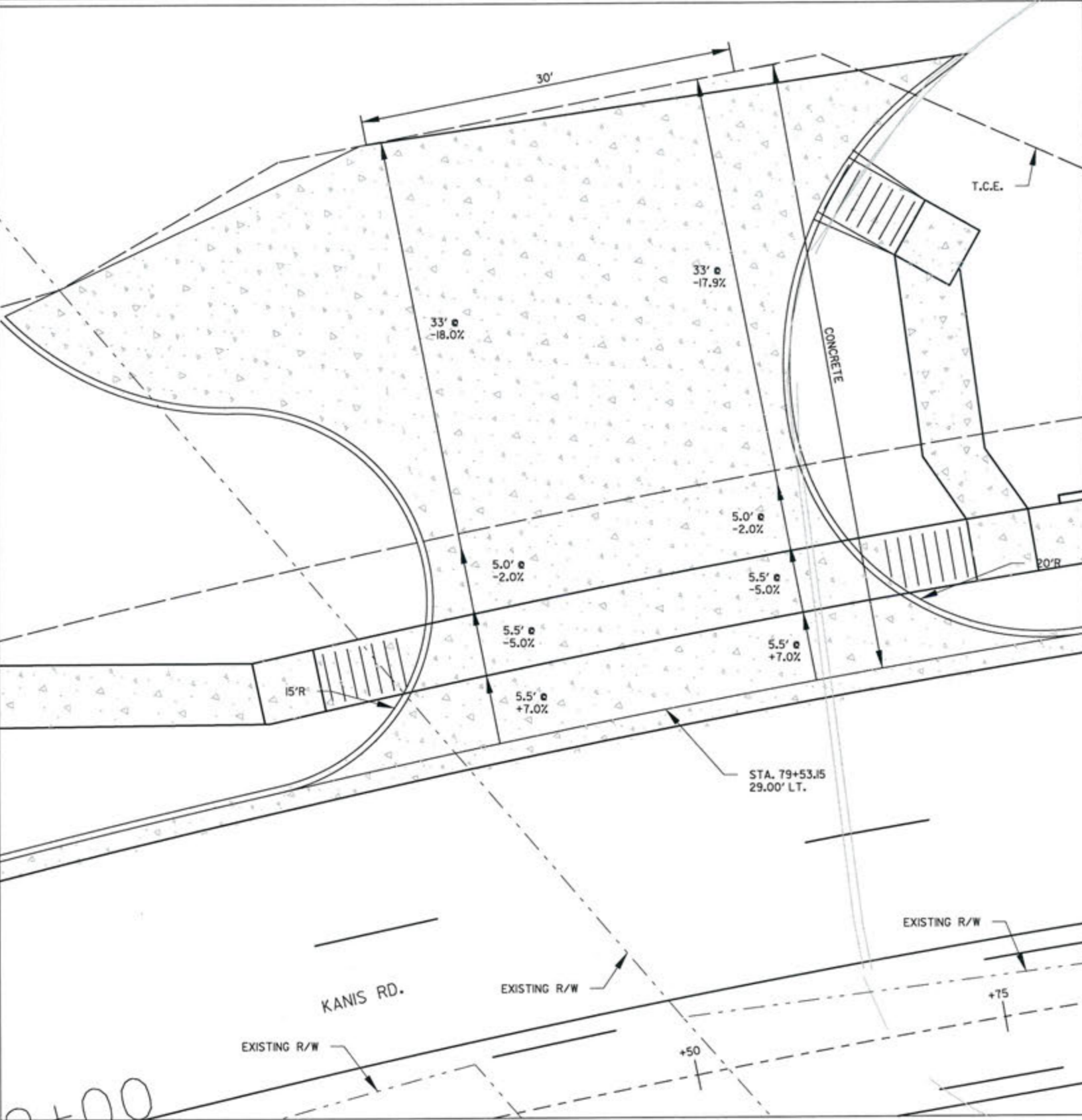
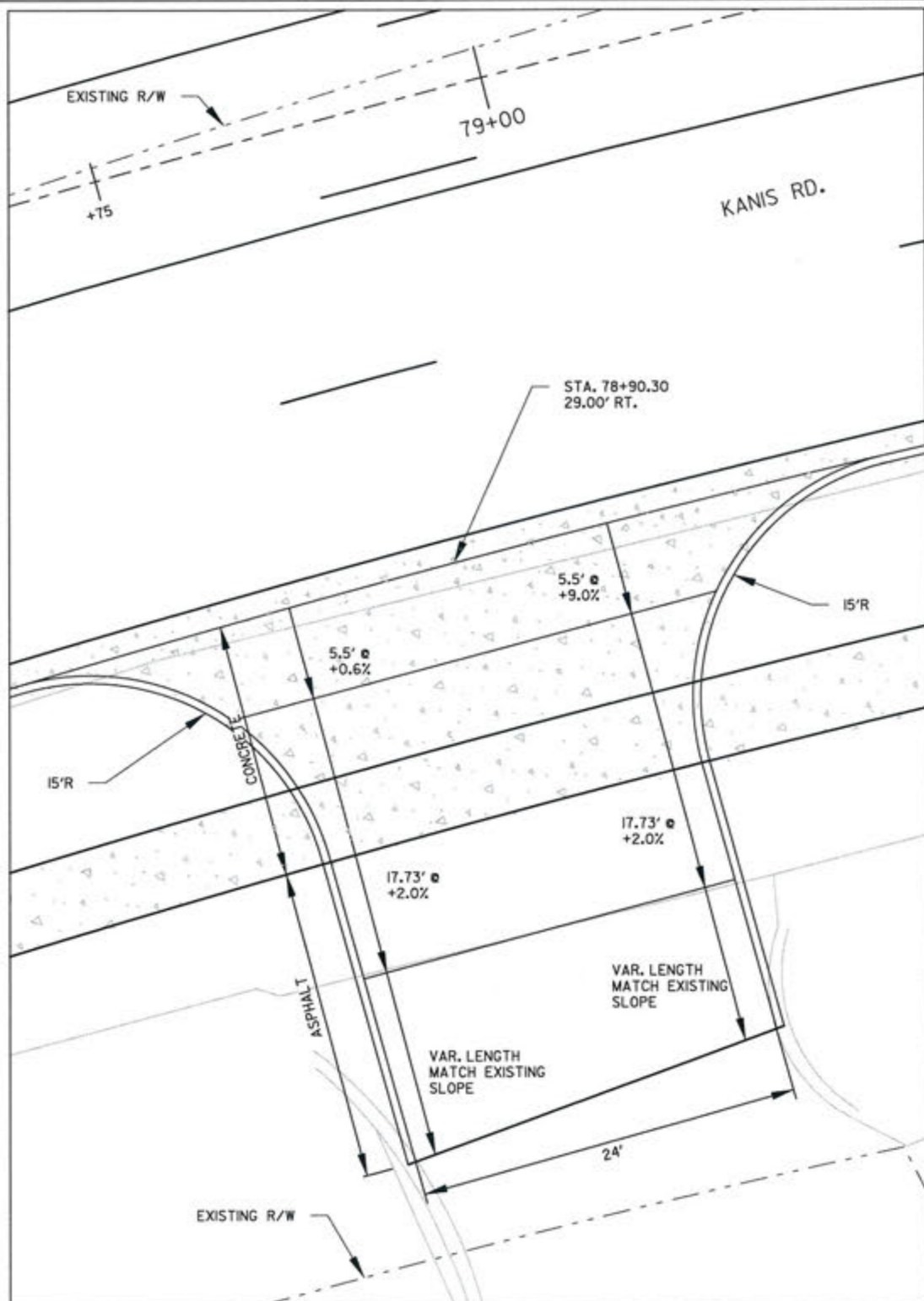
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 16

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11427  
 KEVIN G. TOBLETT

2-15-17  
 DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2/24/17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-133





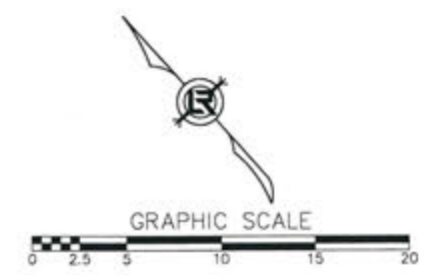
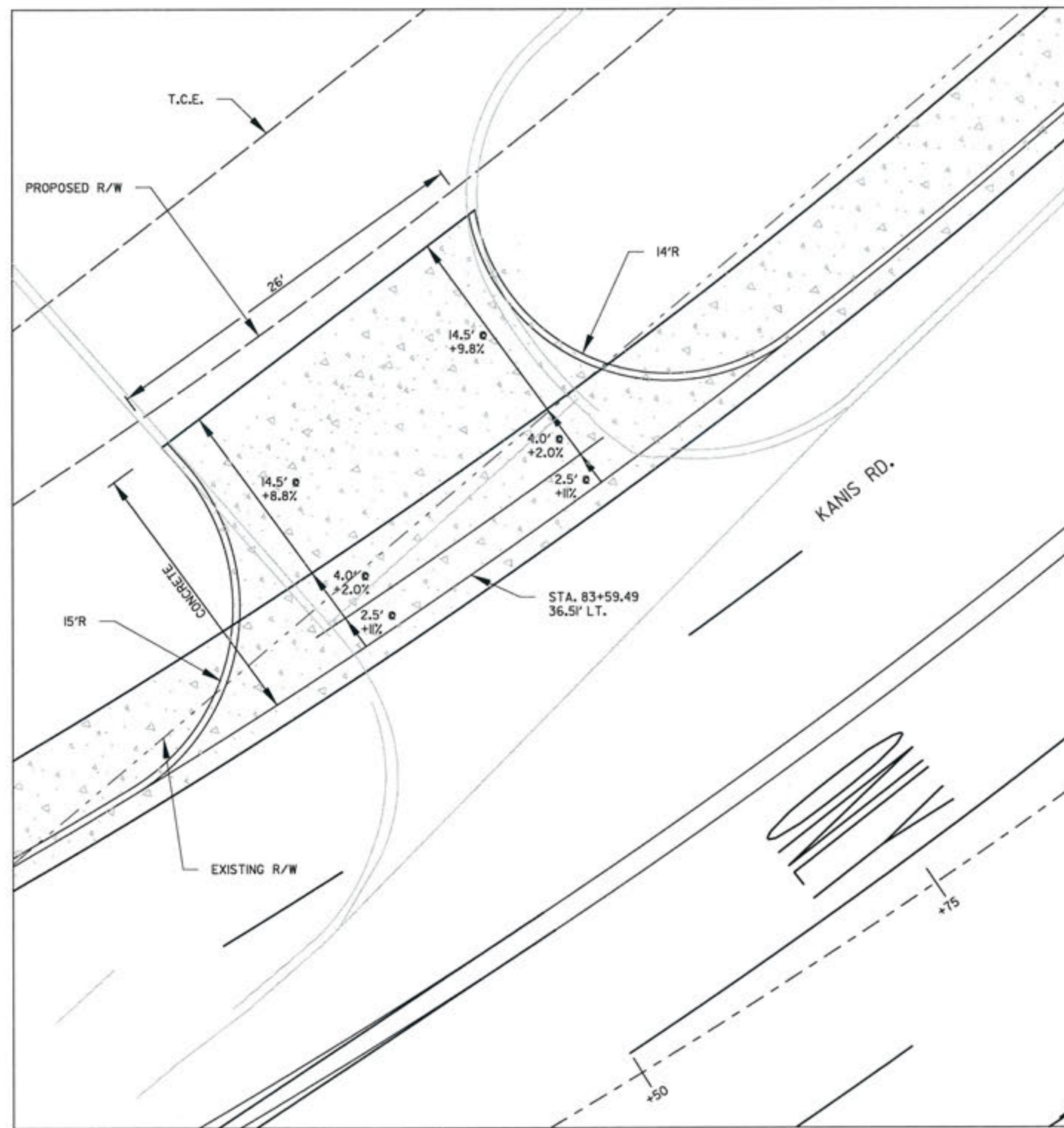
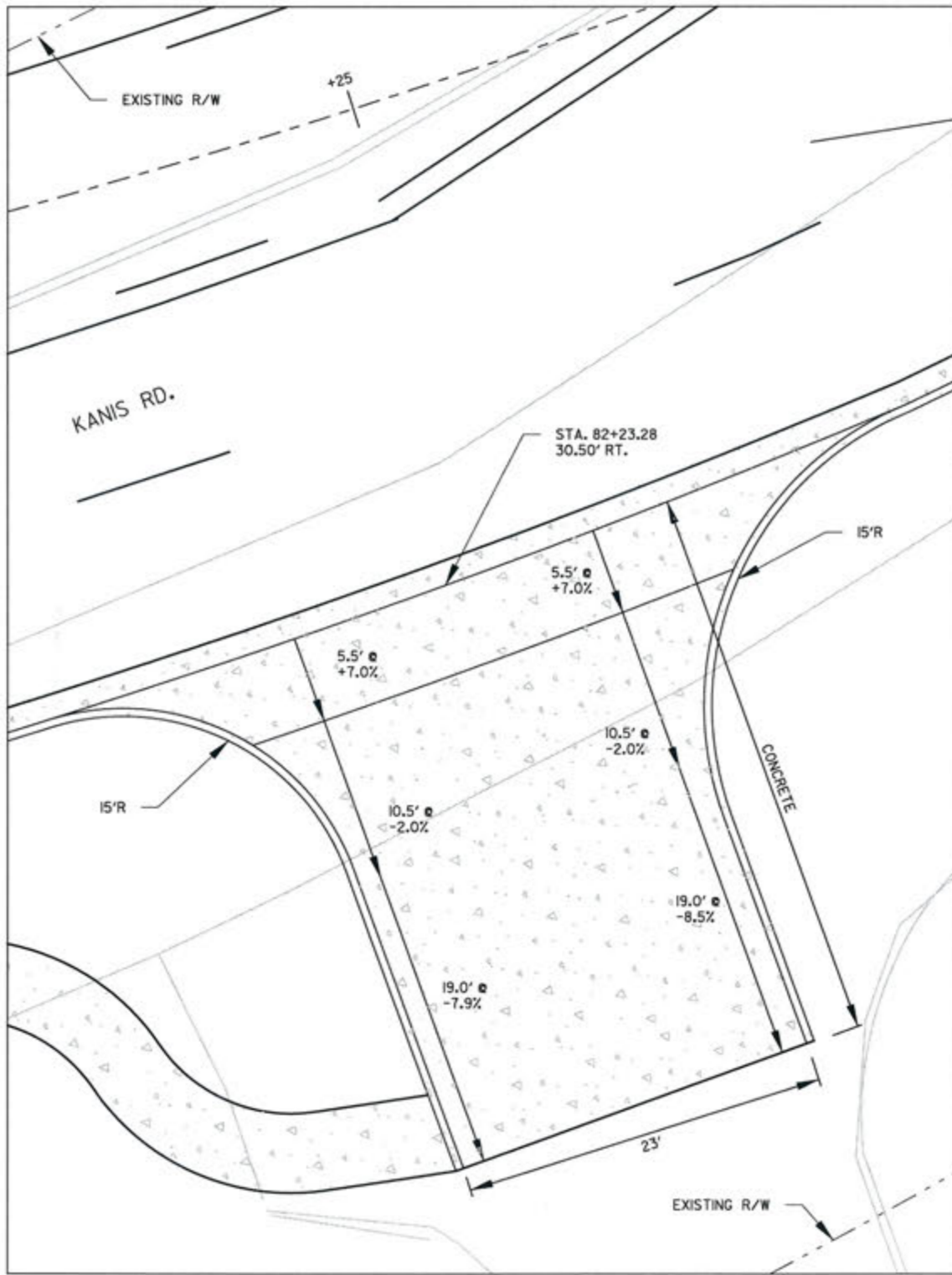
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 17

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11427  
 KEVIN G. TOBLEBY

3-15-17  
 DRAWN BY JAB  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 2/24/17  
 SCALE 1" = 10'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-134



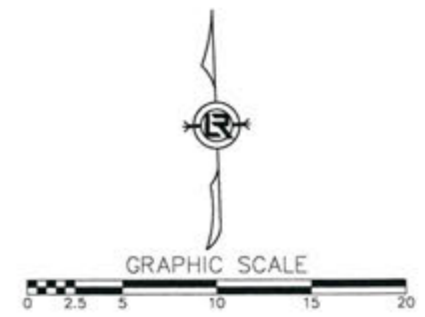
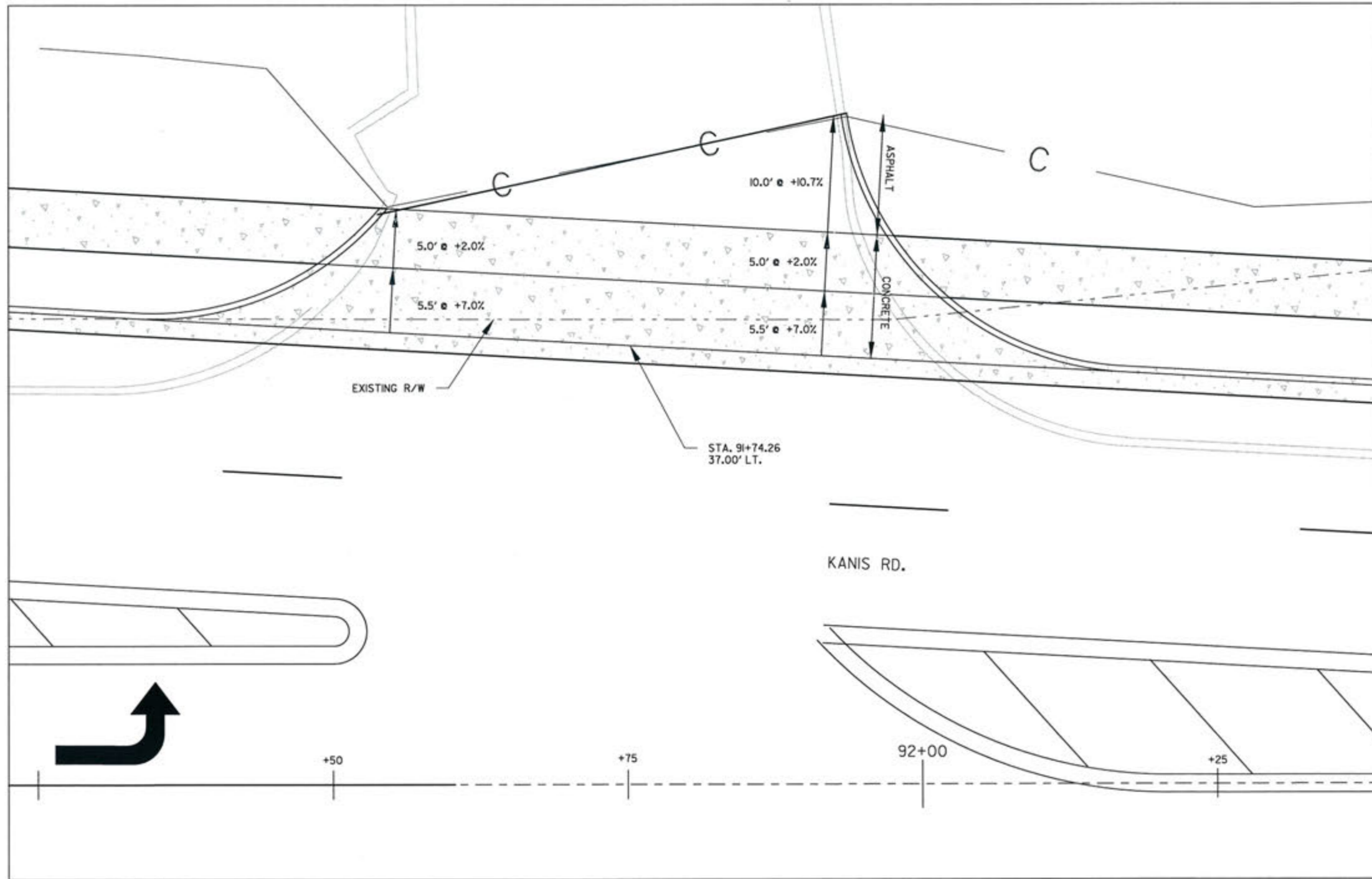
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
KANIS RD.  
DRIVEWAY DETAIL SHEET 18

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBIAS

3-15-17  
DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
2 / 24 / 17  
SCALE  
1" = 10'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-135



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
KANIS RD.  
DRIVEWAY DETAIL SHEETS 19

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
EVIN G. TOBLESSY

2-15-17  
DRAWN BY  
JAB  
DESIGNED  
RFR  
CHECKED  
KGT  
DATE  
2/24/17  
SCALE  
1" = 10'  
PROJECT NO.  
13-B-5D-6A  
SHEET NO.  
C-136

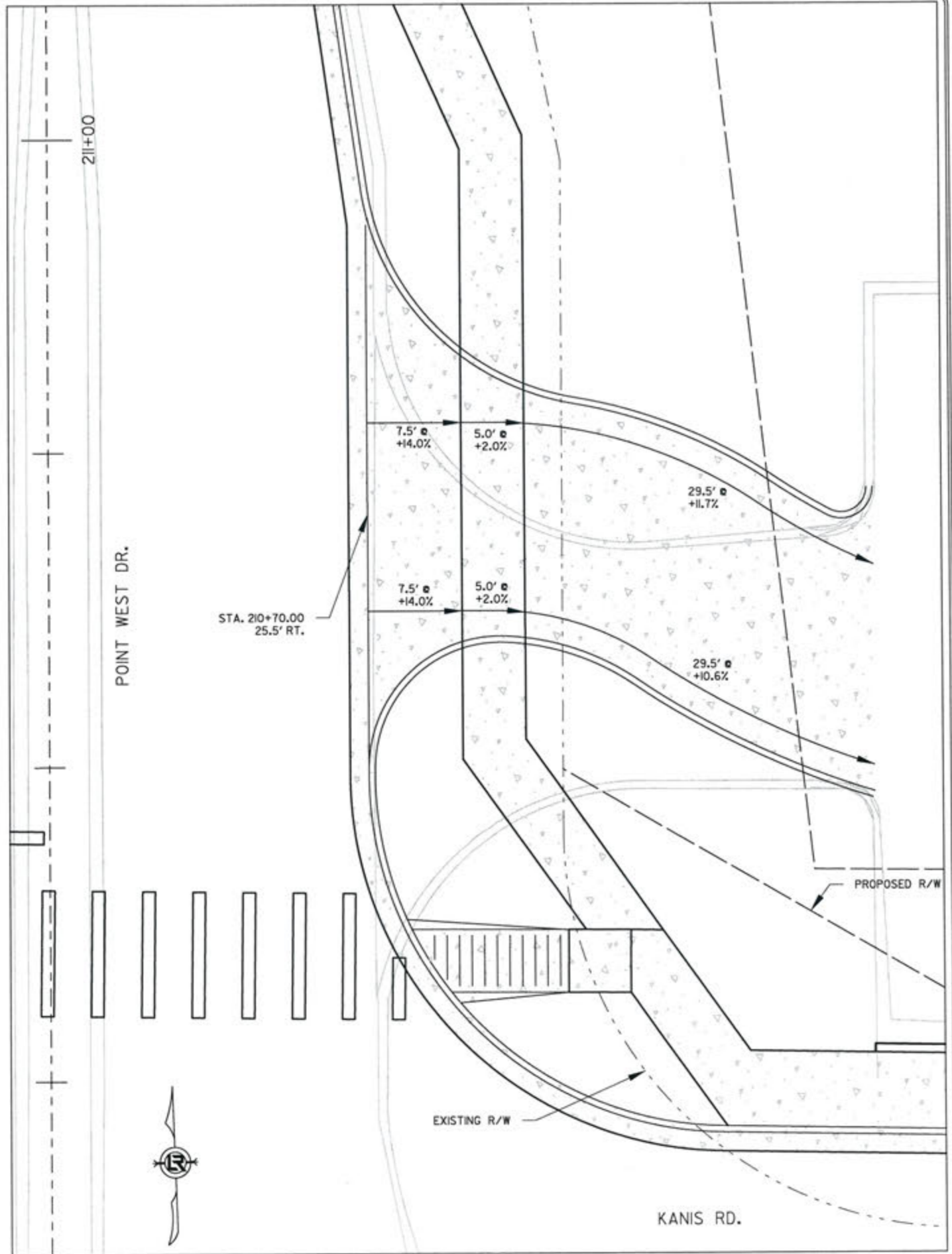
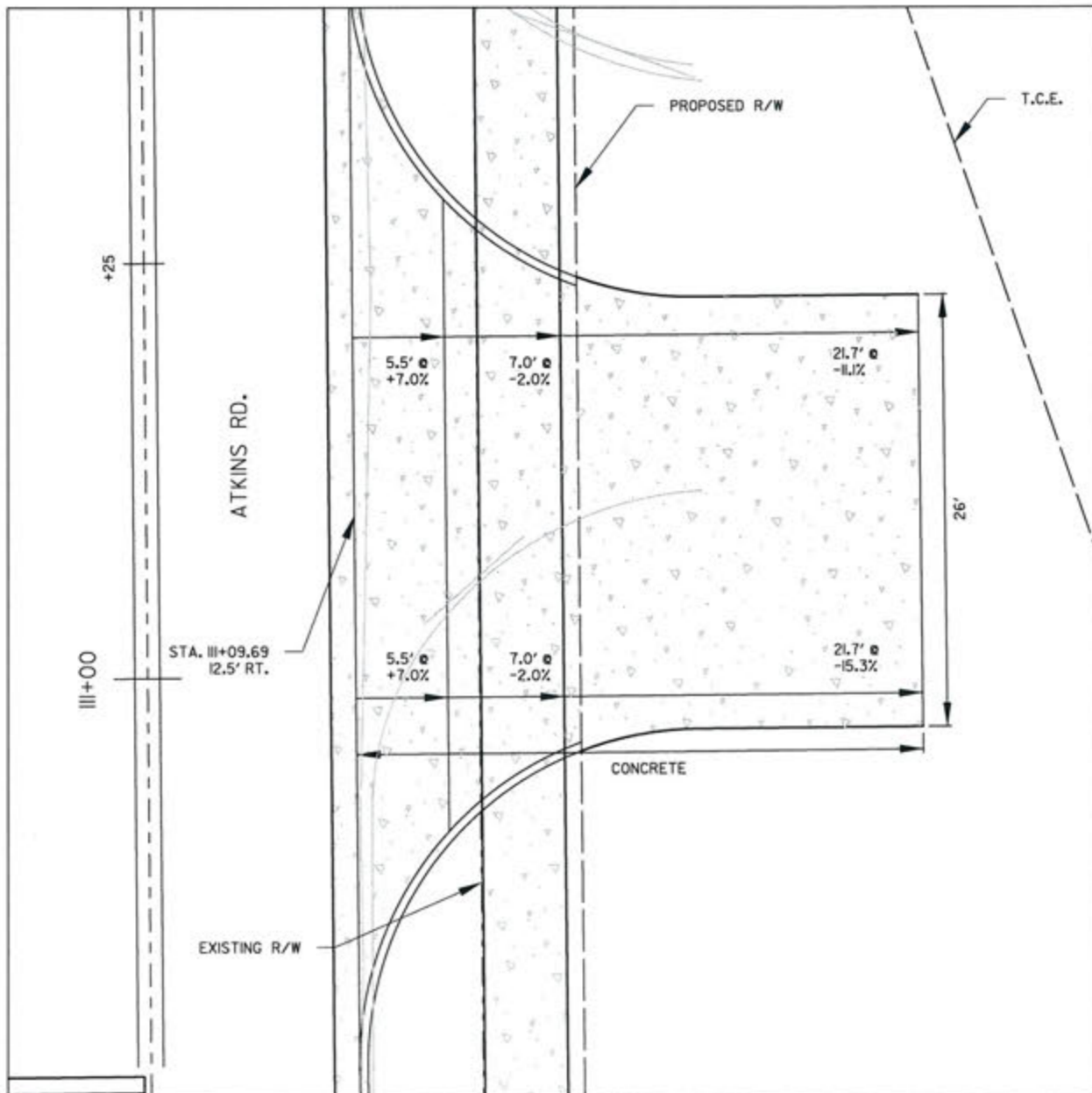
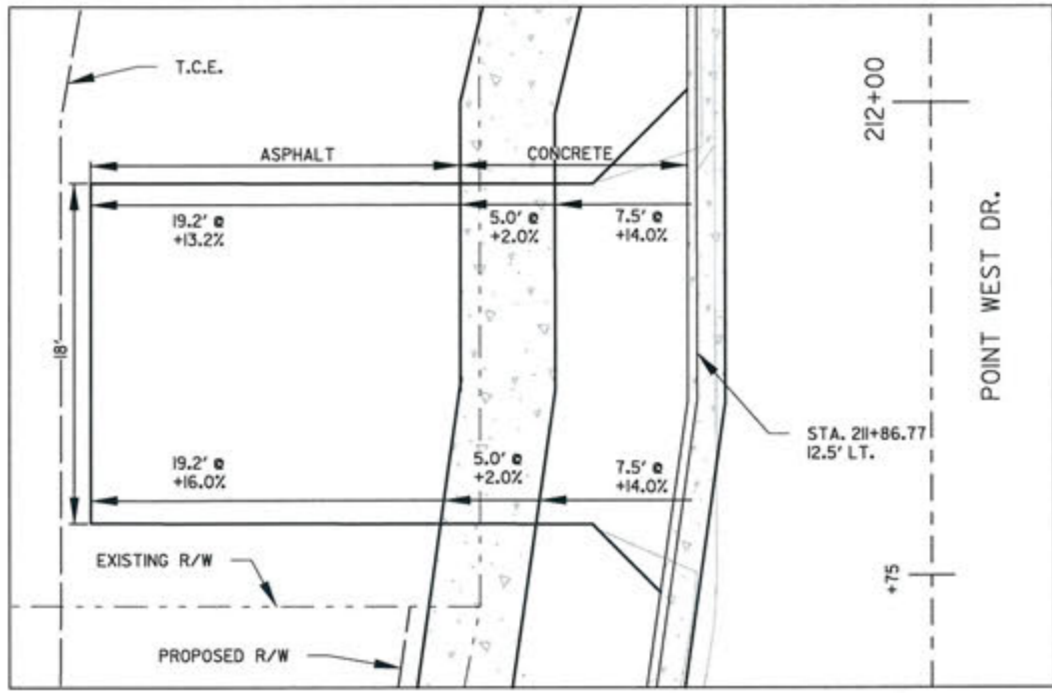
REVISIONS	DATE

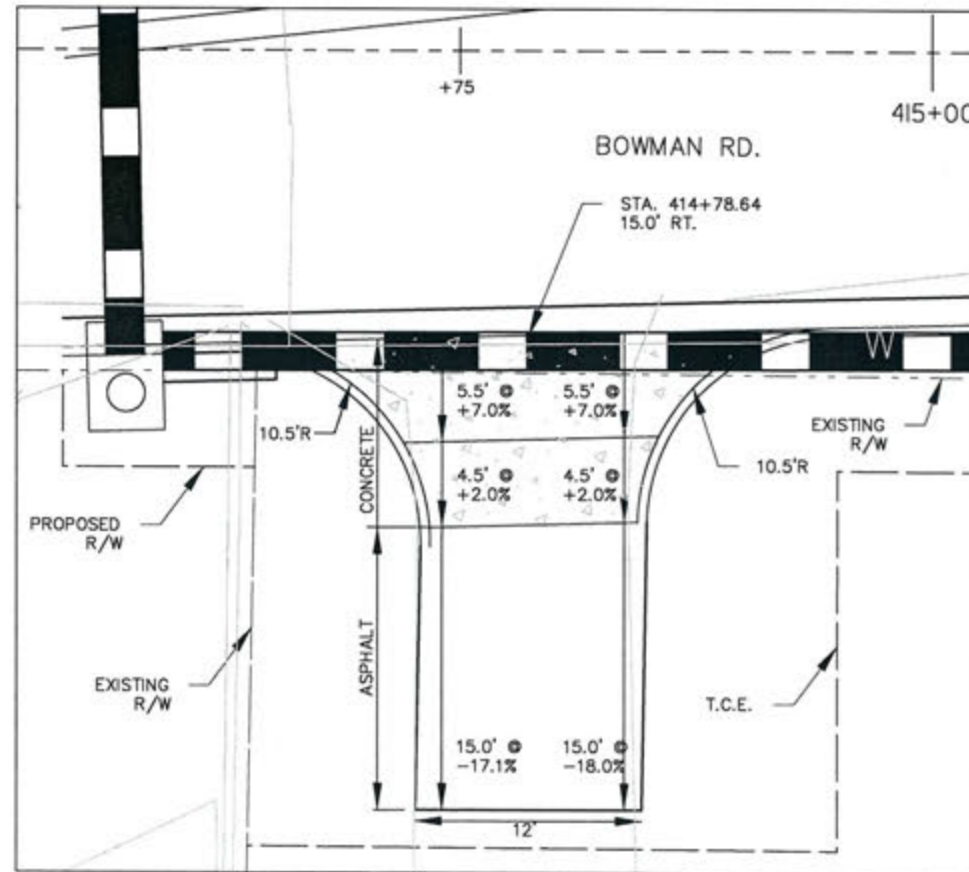
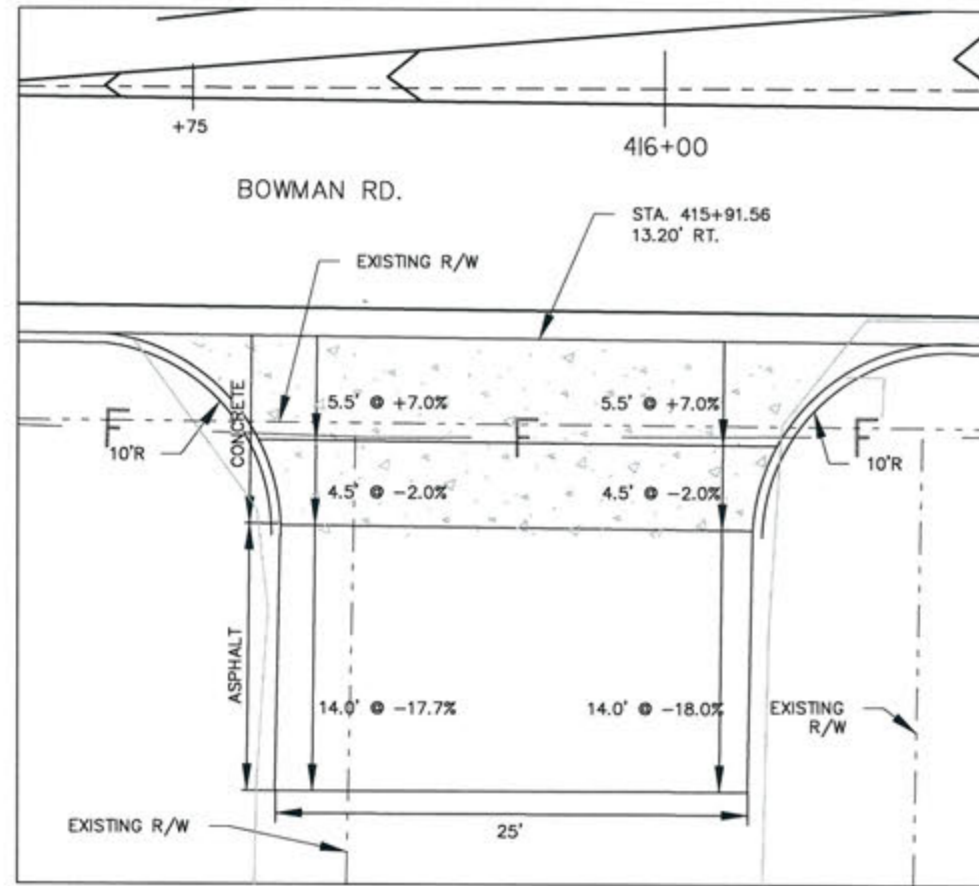
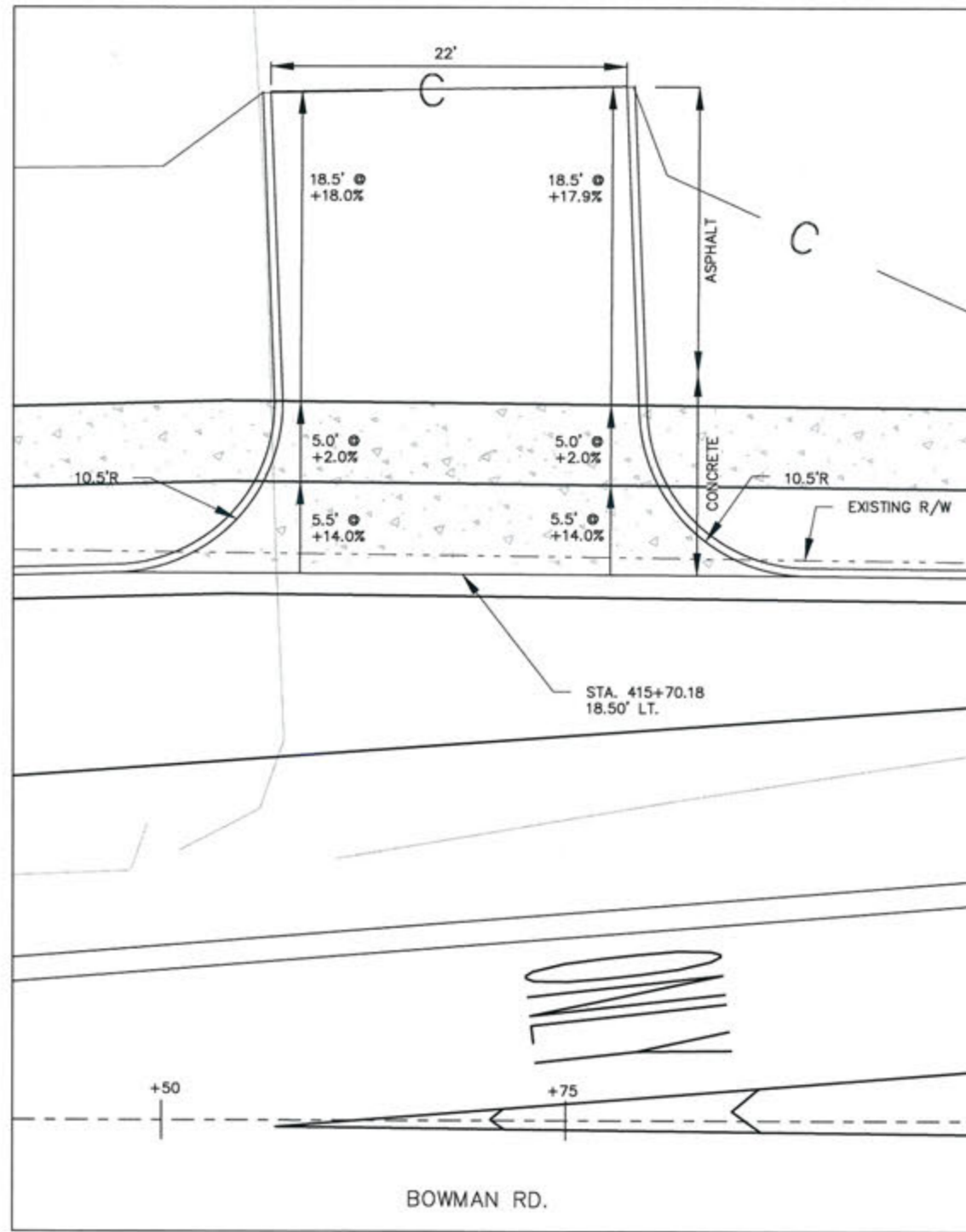
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 KANIS RD.  
 DRIVEWAY DETAIL SHEET 20

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



7-15-17  
 DRAWN BY  
 JAB  
 DESIGNED  
 RFR  
 CHECKED  
 KGT  
 DATE  
 2 / 24 / 17  
 SCALE  
 1" = 10'  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
 C-137





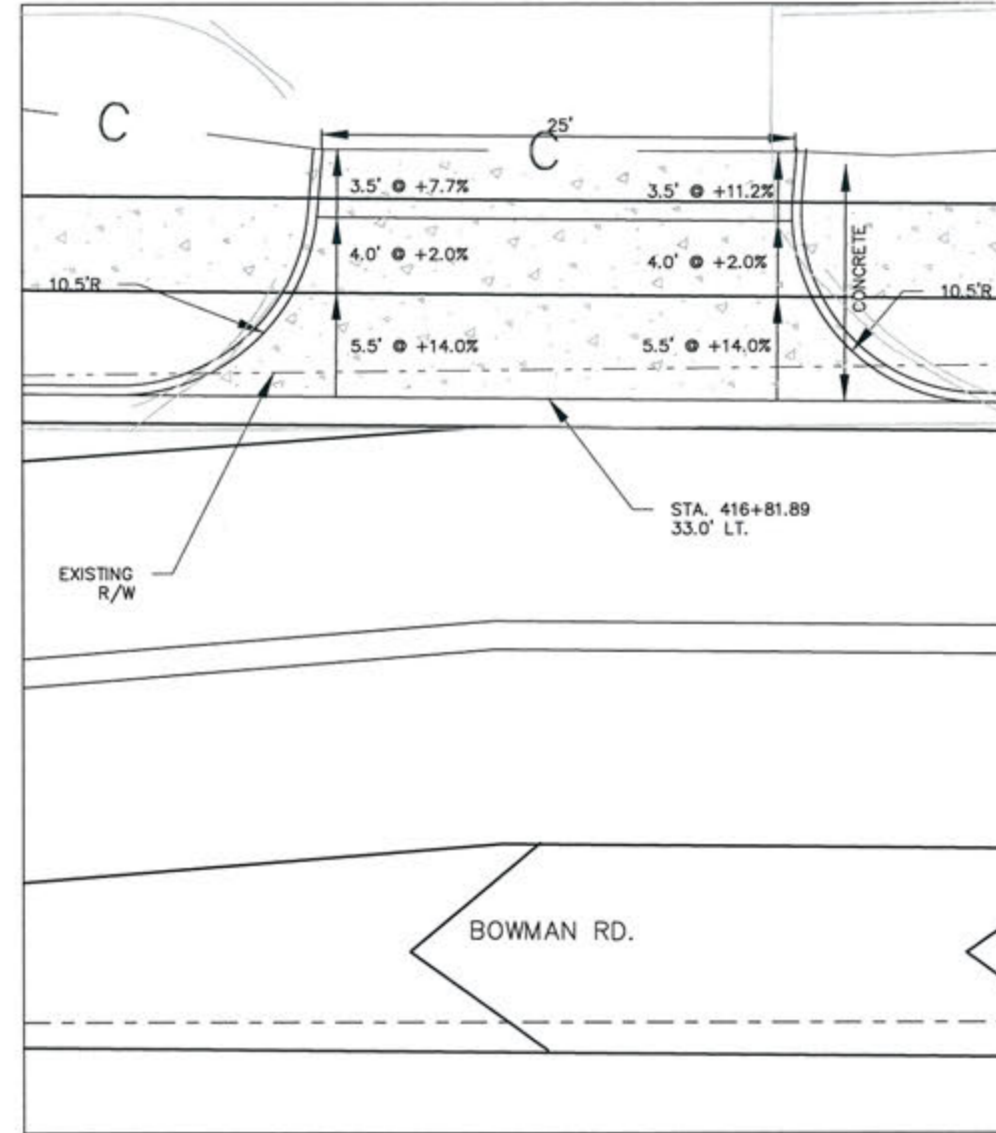
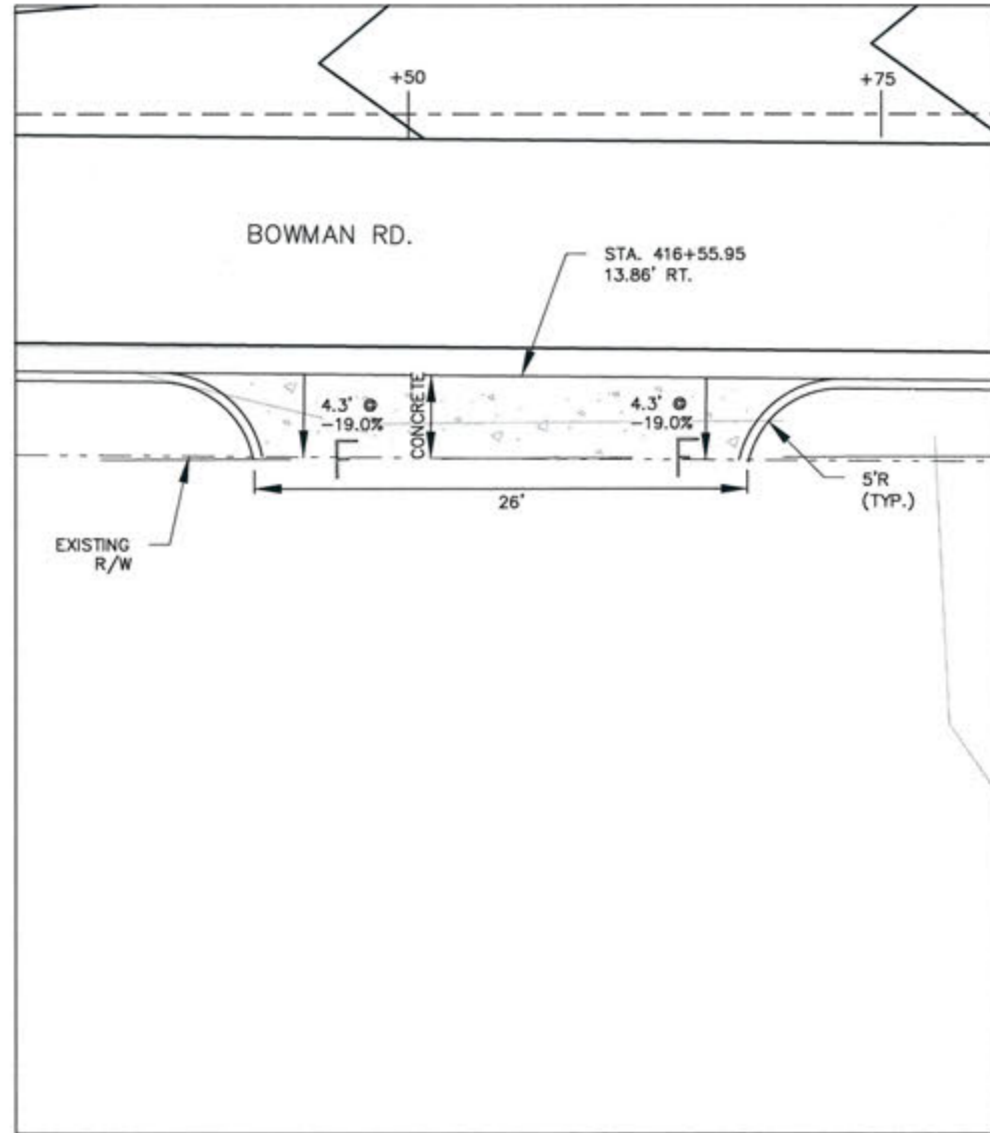
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 BOWMAN RD.  
 DRIVEWAY DETAIL SHEETS 21

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3-15-17  
 DRAWN BY JAB  
 DESIGNED RFR  
 CHECKED KGT  
 DATE 2 / 24 / 17  
 SCALE 1" = 10'  
 PROJECT NO. 13-B-5D-6A  
 SHEET NO. C-138



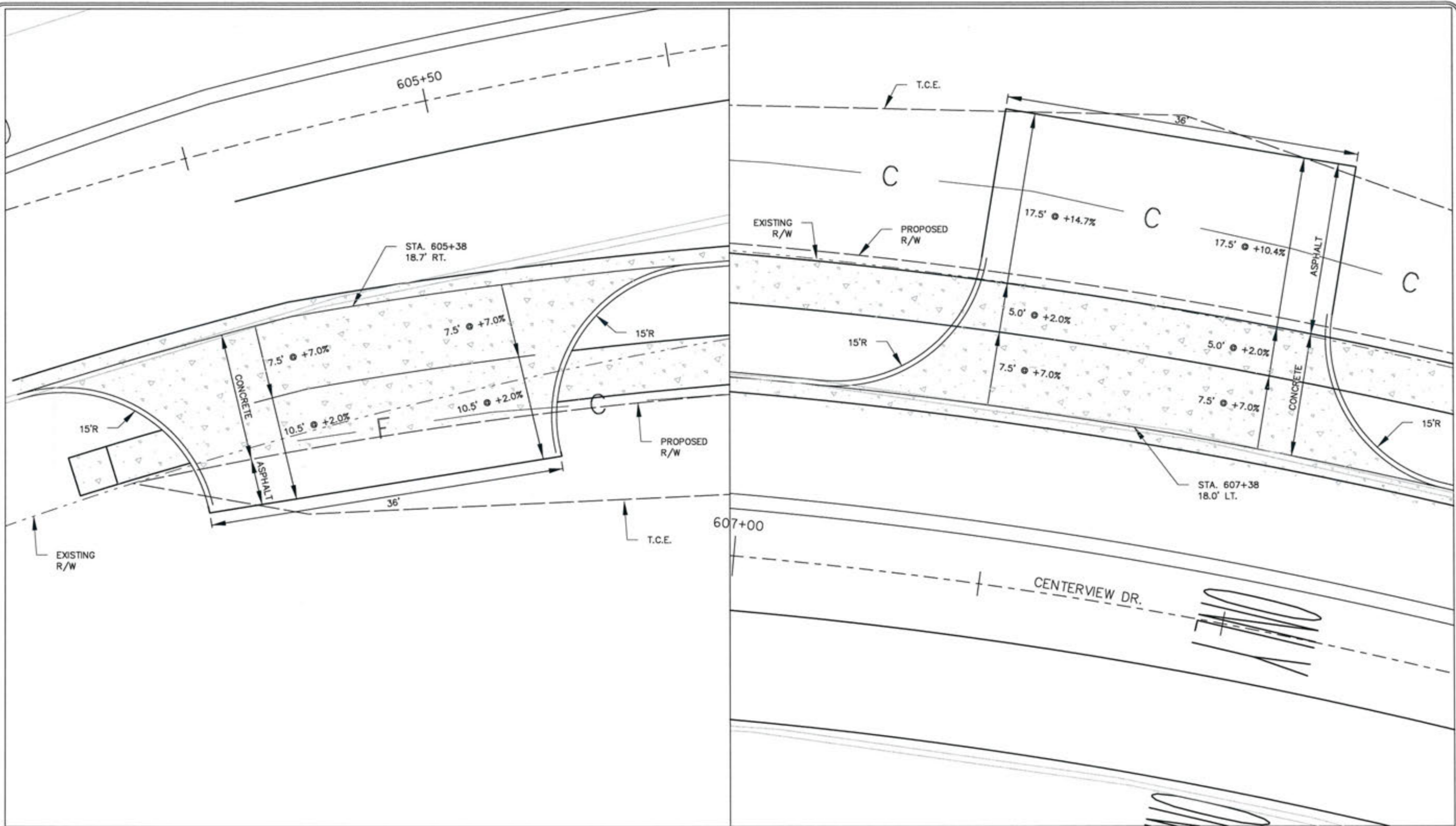
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
KANIS ROAD  
BOWMAN RD.  
DRIVEWAY DETAIL SHEET 22

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
REGISTERED PROFESSIONAL ENGINEER  
No. 11427  
KEVIN G. TOBOLSKY

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	2 / 24 / 17
SCALE	1" = 10'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-139



REVISIONS	DATE

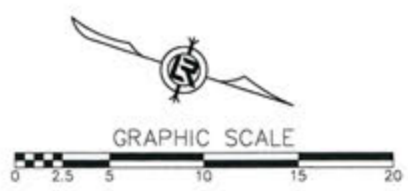
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 BOWMAN RD.  
 DRIVEWAY DETAIL SHEET 22

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 N. 11-07  
 KEVIN G. TOBLESKY

3-5-17

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	RFR
DATE	02 / 24 / 17
SCALE	1" = 10'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-139A





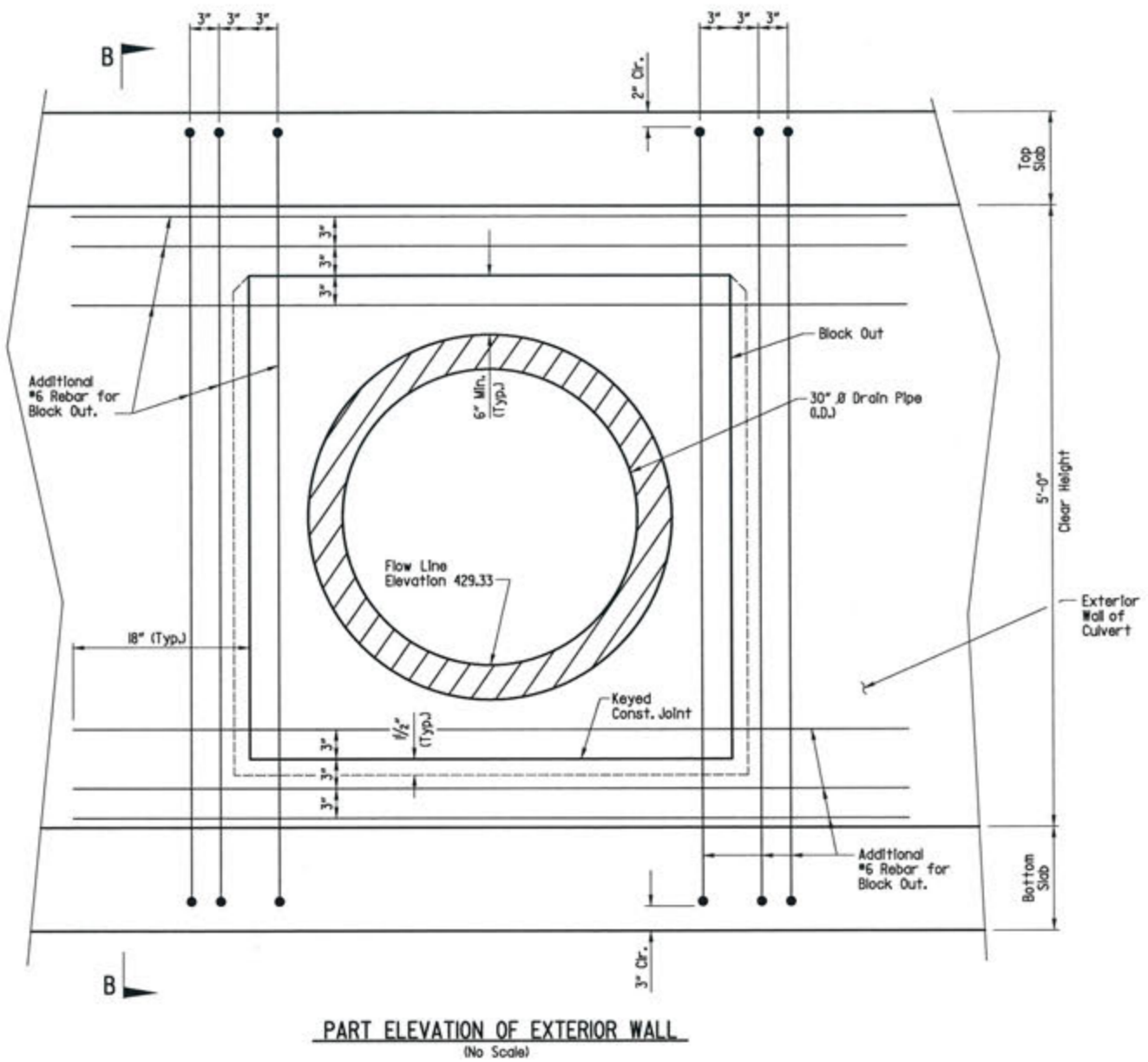
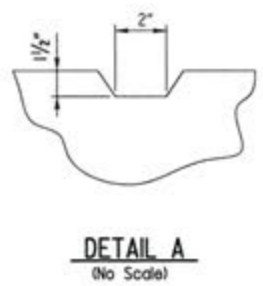
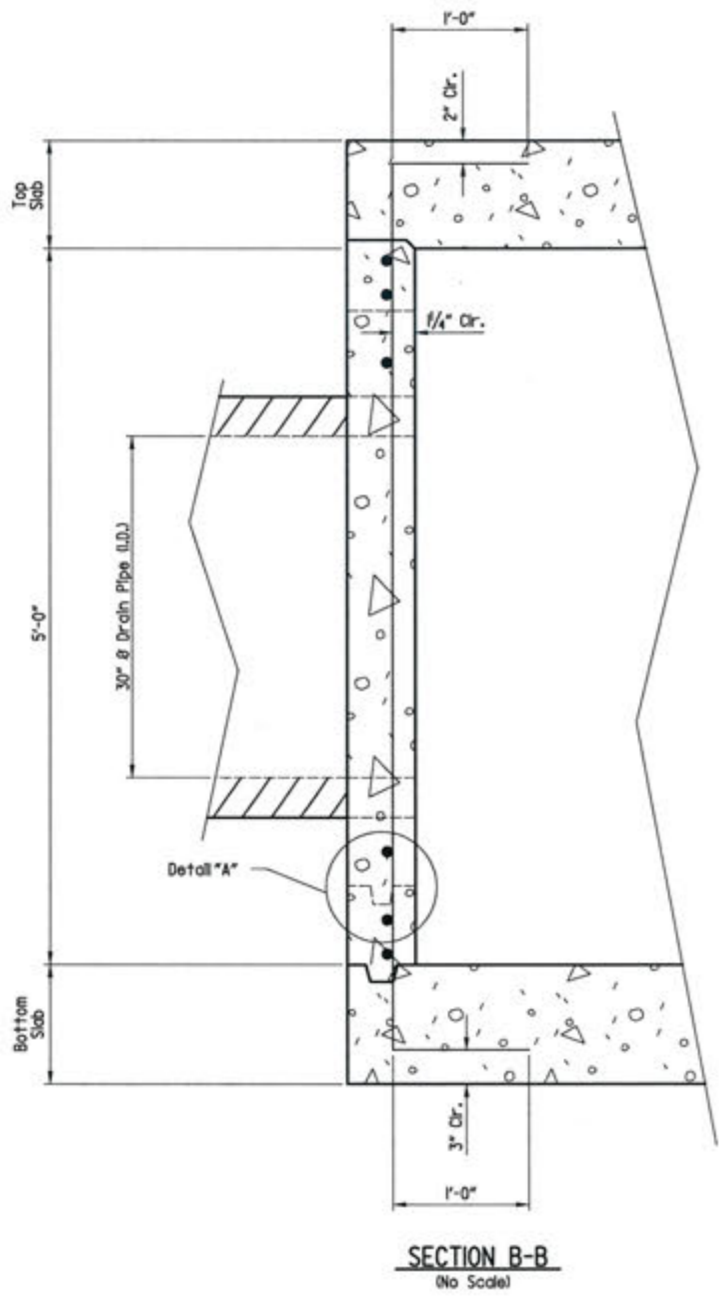
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 DETAILS OF PIPE INLET (30" I.D.)  
 SINGLE BARREL BOX CULVERT  
 STA. 48+30

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



3/15/17  
 DRAWN BY  
 JAB  
 DESIGNED  
 CJC  
 CHECKED  
 CGW  
 DATE  
 12/30/15  
 SCALE  
 NONE  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-260**



**GENERAL NOTES**

Place  $\frac{3}{8}$ " joint filler around reinforced concrete pipe or plastic pipe, and emulsified asphalt around corrugated metal pipe at pipe inlet.

Cut plan reinforcing to clear pipe block out. Additional vertical #6 bars to be in same plane as vertical plan reinforcement in stream face.

The Block-out may be eliminated at Contractor's election. If Block-out is eliminated, reinforcement shall be as shown except plan reinforcement may be bent to clear pipe.

Additional reinforcement required for Block-out is not included in estimated quantities. No separate payment will be made for additional reinforcement required.

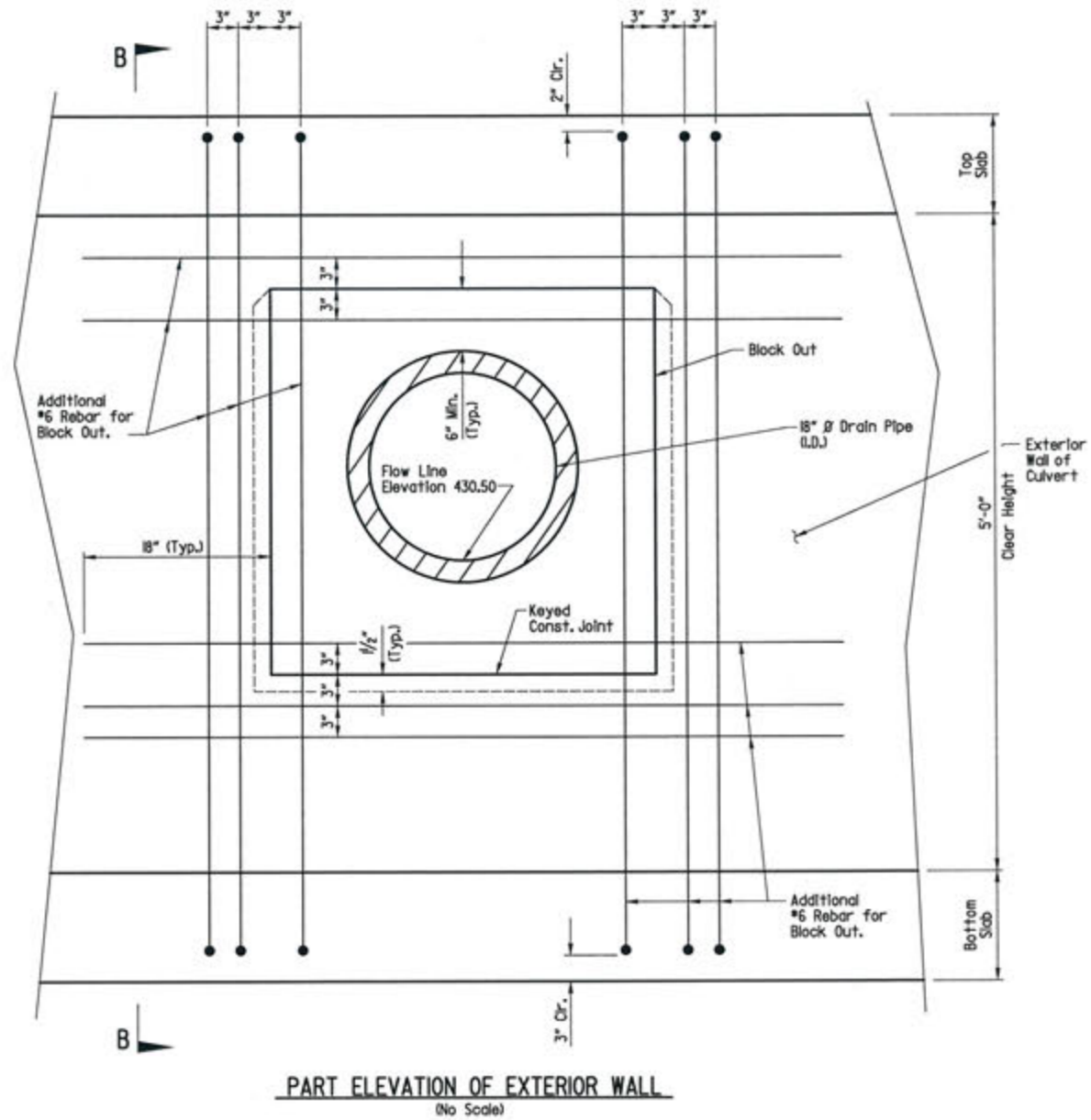
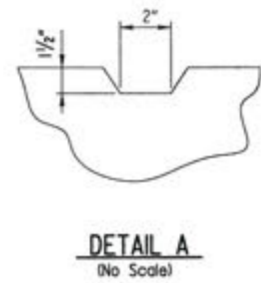
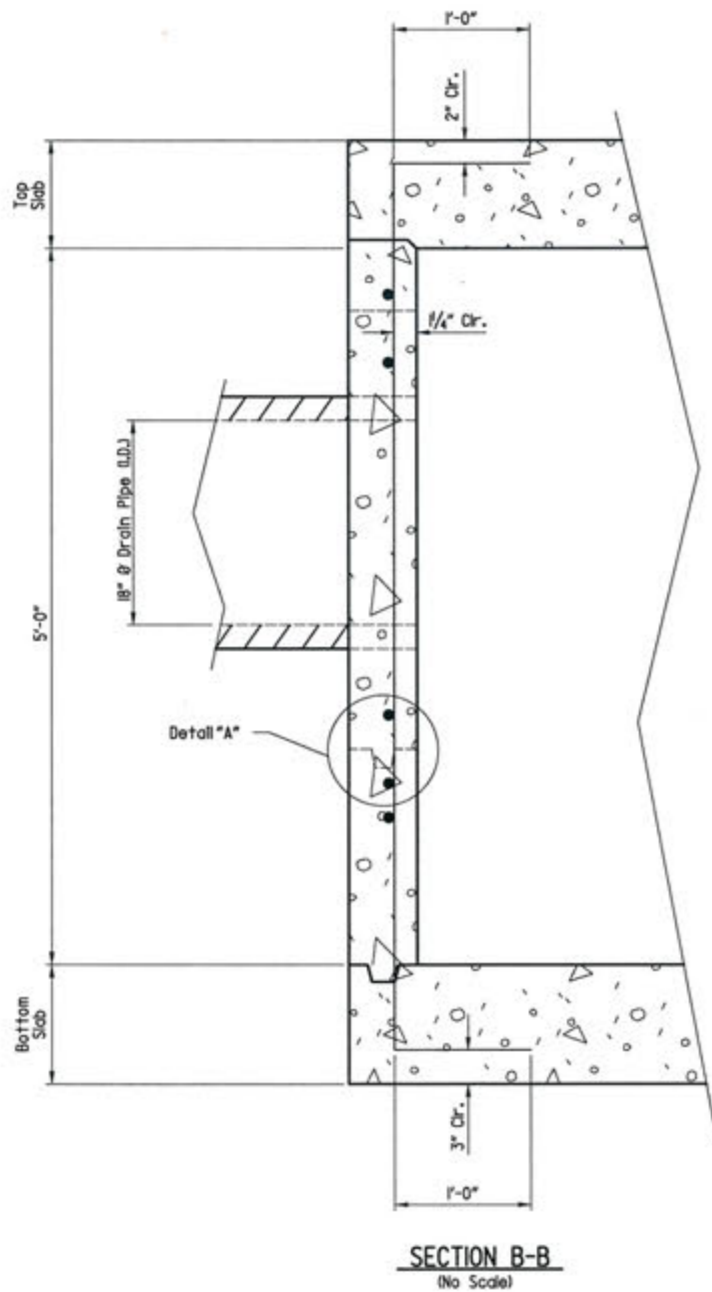
See Sheet C-94 for details of Drain Pipe not shown.

CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 DETAILS OF PIPE INLET (18" I.D.)  
 SINGLE BARREL BOX CULVERT  
 STA. 48+30

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 11328  
 CHRISTOPHER J. CRISTELL

3/15/17  
 DRAWN BY  
 JAB  
 DESIGNED  
 CJC  
 CHECKED  
 CGW  
 DATE  
 12/30/15  
 SCALE  
 NONE  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-261**



**GENERAL NOTES**

Place 1/8" joint filler around reinforced concrete pipe or plastic pipe, and emulsified asphalt around corrugated metal pipe at pipe inlet.

Cut plan reinforcing to clear pipe block out. Additional vertical #6 bars to be in same plane as vertical plan reinforcement in stream face.

The Block-out may be eliminated at Contractor's election. If Block-out is eliminated, reinforcement shall be as shown except plan reinforcement may be bent to clear pipe.

Additional reinforcement required for Block-out is not included in estimated quantities. No separate payment will be made for additional reinforcement required.

See Sheet C-94 for details of Drain Pipe not shown.

REVISIONS	DATE

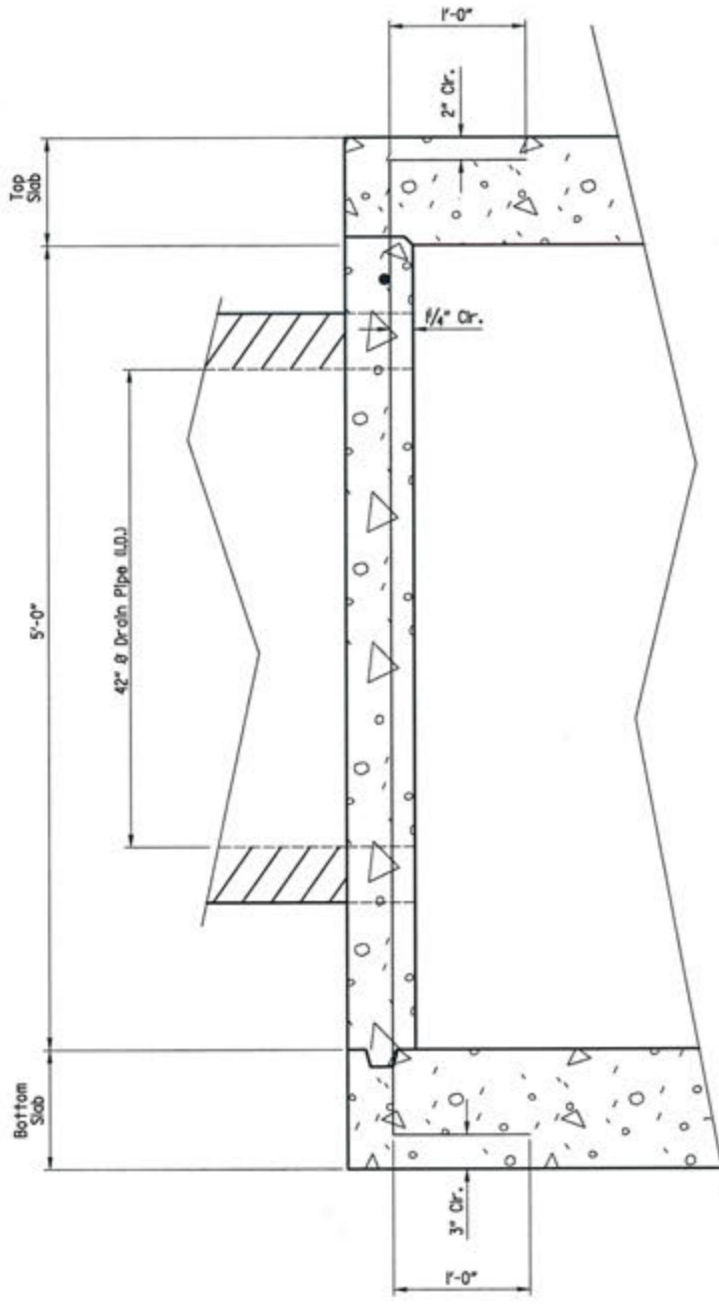
CITY OF LITTLE ROCK, ARKANSAS  
 KANIS ROAD  
 DETAILS OF PIPE INLET (42" I.D.)  
 SINGLE BARREL BOX CULVERT  
 STA. 48+30

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

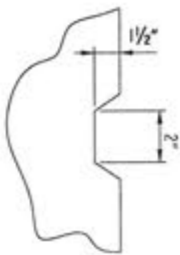


3/15/17

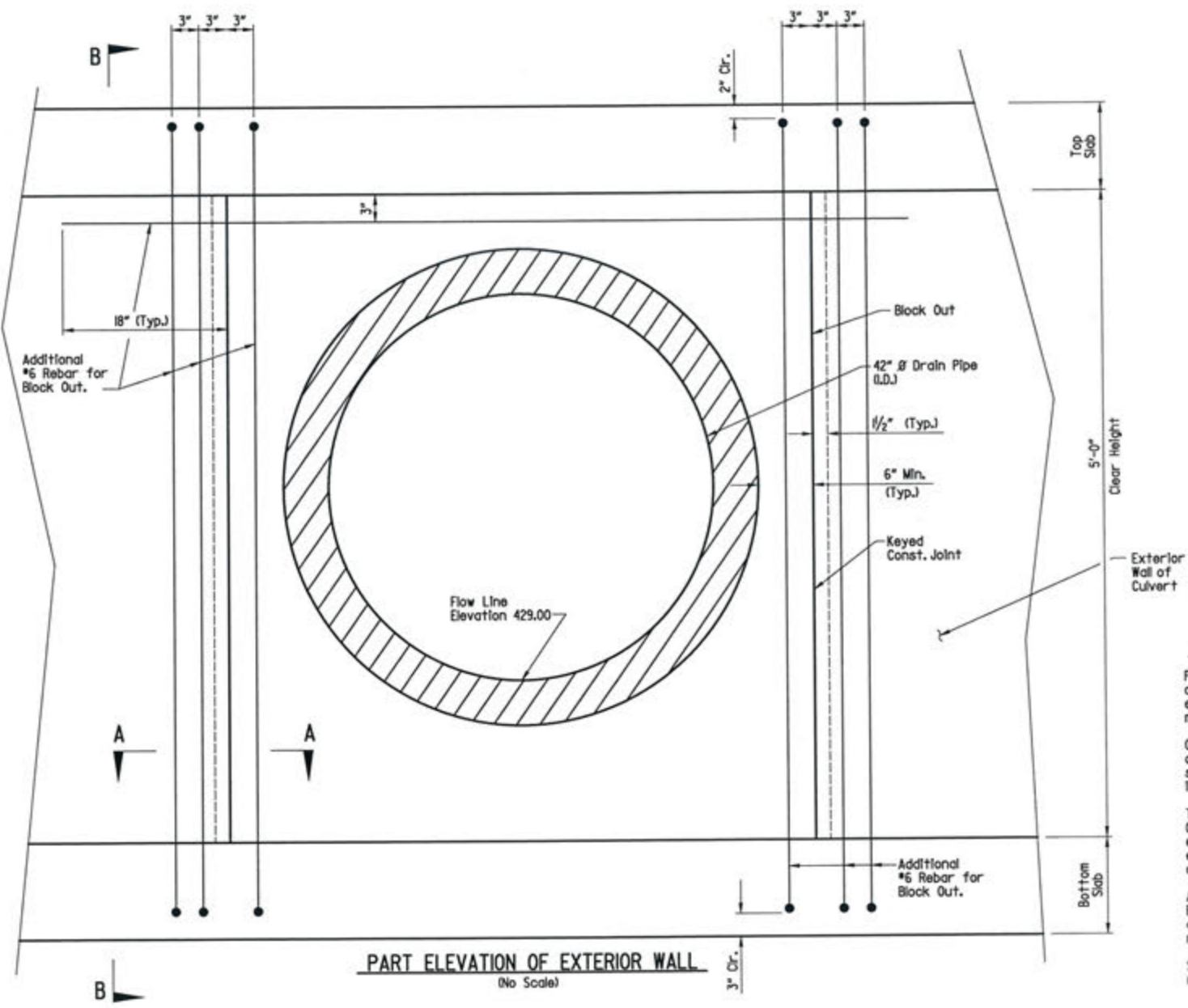
DRAWN BY  
 JAB  
 DESIGNED  
 CJC  
 CHECKED  
 CGW  
 DATE  
 12 / 30 / 15  
 SCALE  
 NONE  
 PROJECT NO.  
 13-B-5D-6A  
 SHEET NO.  
**C-262**



**SECTION B-B**  
(No Scale)



**SECTION A-A**  
(No Scale)



**PART ELEVATION OF EXTERIOR WALL**  
(No Scale)

**GENERAL NOTES**

Place 3/8" joint filler around reinforced concrete pipe or plastic pipe, and emulsified asphalt around corrugated metal pipe at pipe inlet.

Cut plan reinforcing to clear pipe block out. Additional vertical #6 bars to be in same plane as vertical plan reinforcement in stream face.

The Block-out may be eliminated at Contractor's election. If Block-out is eliminated, reinforcement shall be as shown except plan reinforcement may be bent to clear pipe.

Additional reinforcement required for Block-out is not included in estimated quantities. No separate payment will be made for additional reinforcement required.

See Sheet C-94 for details of Drain Pipe not shown.