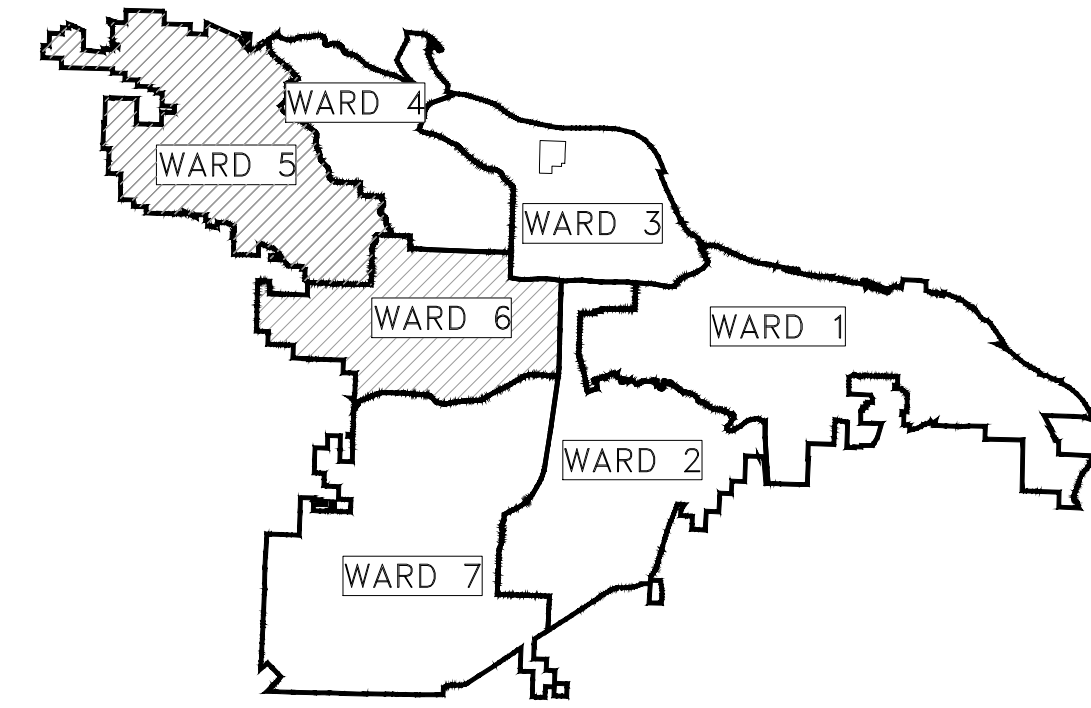
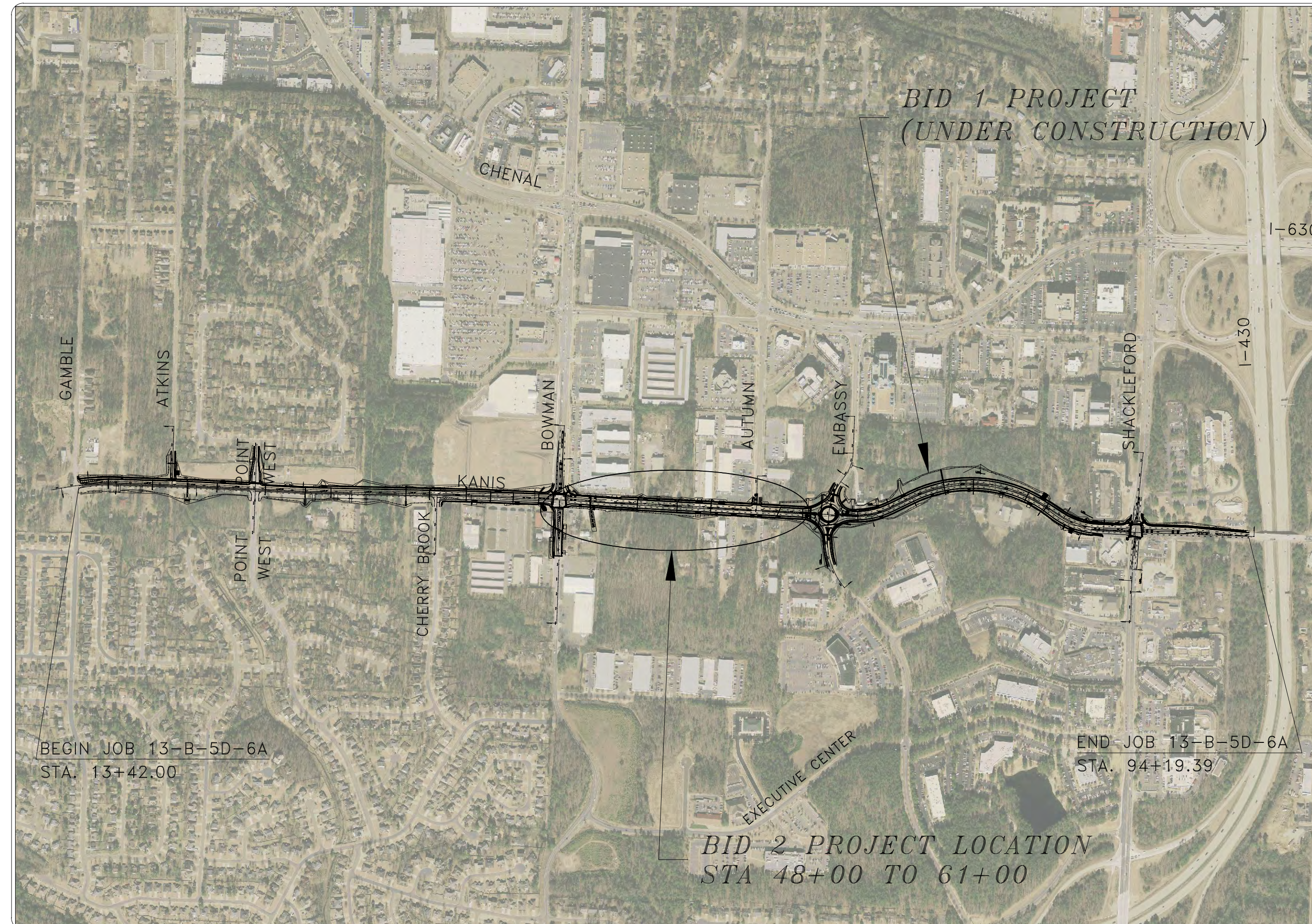


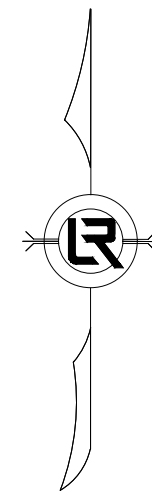
CLR PROJECT #13-B-5D-6A KANIS ROAD LITTLE ROCK, ARKANSAS BID 2: BOWMAN RD TO AUTUMN ROAD



PROJECT LOCATION - WARD 5 & 6



SHEET NO.	TITLE
C-01	COVER SHEET
C-02	LEGEND AND QUANTITIES
C-03 & C-06	TYPICAL SECTION SHEETS
C-08	SPECIAL DETAIL SHEETS
C-17 - C-19	TEMPORARY EROSION CONTROL SHEETS (STAGE 1)
C-33 - C-35	TEMPORARY EROSION CONTROL SHEETS (STAGE 2)
C-41	MAINTENANCE OF TRAFFIC SHEETS INDEX
C-45 - C-47	MAINTENANCE OF TRAFFIC (STAGE 1)
C-53 - C-55	MAINTENANCE OF TRAFFIC (STAGE II)
C-65 - C-67	STRIPING PLAN KANIS ROAD SHEETS
C-82 - C-84	FIELD TIES / LAYOUT SHEETS
C-94A - C-96	PLAN & PROFILE - KANIS ROAD
C-108	PLAN & PROFILE - AUTUMN ROAD
C-125 - C-129	DRIVEWAY DETAIL SHEETS
C-173 - C-188	CROSS SECTIONS KANIS ROAD
C-260 - C-262	BOX CULVERT DETAILS



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

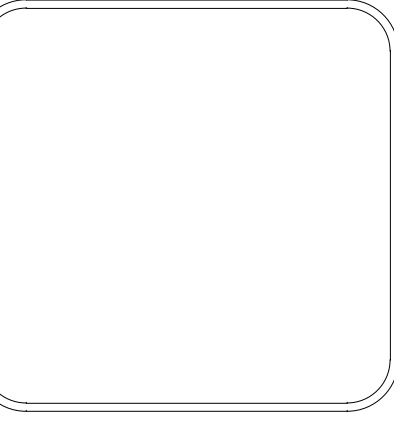
JACOBS™

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

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD
COVER SHEET

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

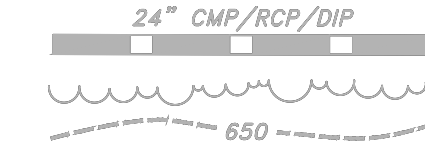


DRAWN BY
DESIGNED
CHECKED
DATE 03-21-2019
SCALE NTS
PROJECT NO. 13-B-5D-6A
SHEET NO. C-01

ITEM#	ITEM DESCRIPTION	QUANTITY	UNIT
2.01	SITE PREPARATION	1.00	LS
3.01	UNCLASSIFIED EXCAVATION	3044	CY
3.06 & SP	COMPACTED EMBANKMENT	3920	CY
4.01	AGGREGATE BASE COURSE	2803	TON
5.01	TACK COAT	1100	GAL
6.01	ACHM SURFACE COURSE	2130	TON
6.20	ACHM BINDER COURSE	2130	TON
7.04	CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH	2915	SF
7.18	CONCRETE DRIVEWAY (8" THICK), STANDARD FINISH	5993	SF
8.03	CONCRETE CURB AND GUTTER (CLASS 1)	2163	LF
8.04	CONCRETE CURB AND GUTTER (CLASS 3)	125	LF
9.04	CONCRETE SIDEWALK (4" THICK)	11048	SF
10.01	JUNCTION BOX (4')	3	EA
10.02	JUNCTION BOX (6')	1	EA
10.04	CURB INLET - 4' BOX	7	EA
10.06	CURB INLET - 6' BOX	2	EA
10.08	CURB INLET - 8' BOX	2	EA
10.06	WING 6' EXTENSION	13	EA
11.06	REINFORCED CONCRETE HEADWALL	10	CY
11.20	REINFORCED CONCRETE RETAINING WALL	20	CY
13.18C	STORM DRAIN PIPE, 18" CROSS DRAIN	120	LF
13.18S	STORM DRAIN PIPE, 18" SIDE DRAIN	698	LF
13.24C	STORM DRAIN PIPE, 24" CROSS DRAIN	38	LF
13.24S	STORM DRAIN PIPE, 24" SIDE DRAIN	83	LF
13.30C	STORM DRAIN PIPE, 30" CROSS DRAIN	61	LF
13.30S	STORM DRAIN PIPE, 30" SIDE DRAIN	312	LF
13.42S	STORM DRAIN PIPE, 42" SIDE DRAIN	76	LF
13.54S	STORM DRAIN PIPE, 54" SIDE DRAIN	109	LF
13.8	5' X 8' REINFORCED CONCRETE BOX CULVERT	230	LF
14.01	SOLID SODDING, BERMUDA	5000	SY
16.01	MAINTENANCE OF TRAFFIC	1.00	LS
18.40	HANDRAIL	128	LF
18.45	RIPRAP	54	CY
18.50	ACCESS RAMP	1828	SF
18.55	WATER FOR DUST CONTROL	1000	GAL
19.01	FINAL CLEANUP	1.00	LS
22.10	MAILBOX RELOCATION	2	EA
24.01	CONSTRUCTION ENTRANCE (CO)	1	EA
24.02	CHECK DAM (CD)	10	CY
24.09	SEDIMENT BARRIER, BLOCK (SD4)	14	EA
24.12	SILT FENCE - TYPE B (SFB)	1000	LF
24.17	DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)	1.5	AC
24.18	DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)	1.5	AC
26.10	TRENCH & EXCAVATION SAFETY	1	LS
27.10	COLD MILLING ASPHALT PAVEMENT	150	SY
604.05	FURNISH & INSTALL PRECAST CONCRETE BARRIER WALL	600	LF
604.06	RELOCATE PRECAST CONCRETE BARRIER WALL	600	LF
606.18C	FLARED END SECTION 18" RCP	4	EA
719.04W	THERMOPLASTIC PAVEMENT MARKING WHITE (4")	1525	LF
719.04Y	THERMOPLASTIC PAVEMENT MARKING YELLOW (4")	5108	LF
719.12W	THERMOPLASTIC PAVEMENT MARKING WHITE (12")	133	LF
719.50	THERMOPLASTIC PAVEMENT MARKING WORDS	8	EA
719.60	THERMOPLASTIC PAVEMENT MARKING ARROWS	16	EA

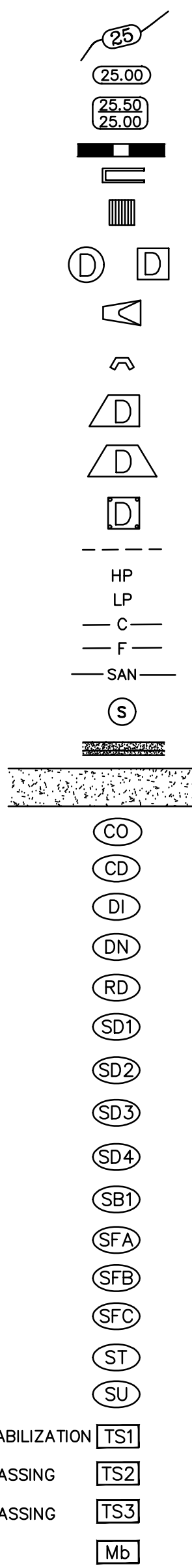
EXISTING

- IRON ROD ○ IR
- PK NAIL ○ PK
- R.R. SPIKE ○ RR(Sp)
- CONC. MONUMENT □ CM
- WATER VALVE ⊗ WV
- WATER METER □ WM
- FIRE HYDRANT ∇ FH
- GAS METER □ GM
- GAS VALVE ⊗ GV
- CLEAN-OUT ○ CO
- GUARD POST (BOLLARD) ● GP
- SIGN POST
- BENCHMARK
- STORM SEWER MANHOLE (D)
- SANITARY SEWER MANHOLE (S)
- TELEPHONE MANHOLE (T)
- ELECTRIC MANHOLE (E)
- 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

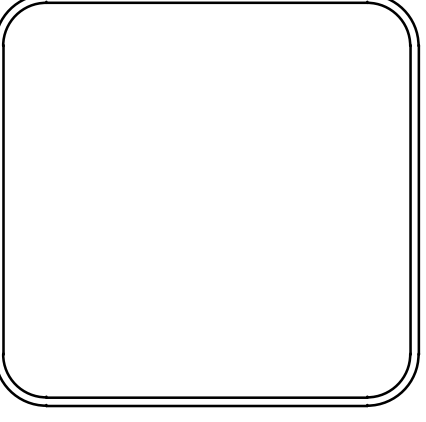
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED SPOT CURB ELEVATION
- STORM SEWER - PIPE
- STORM SEWER - MITERED END SECTION
- STORM SEWER - GRATE INLET
- STORM SEWER - JUNCTION BOX
- STORM SEWER - FLARED END SECTION
- STORM SEWER - HEADWALL
- STORM SEWER - SINGLE WING
- STORM SEWER - DOUBLE 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 7201

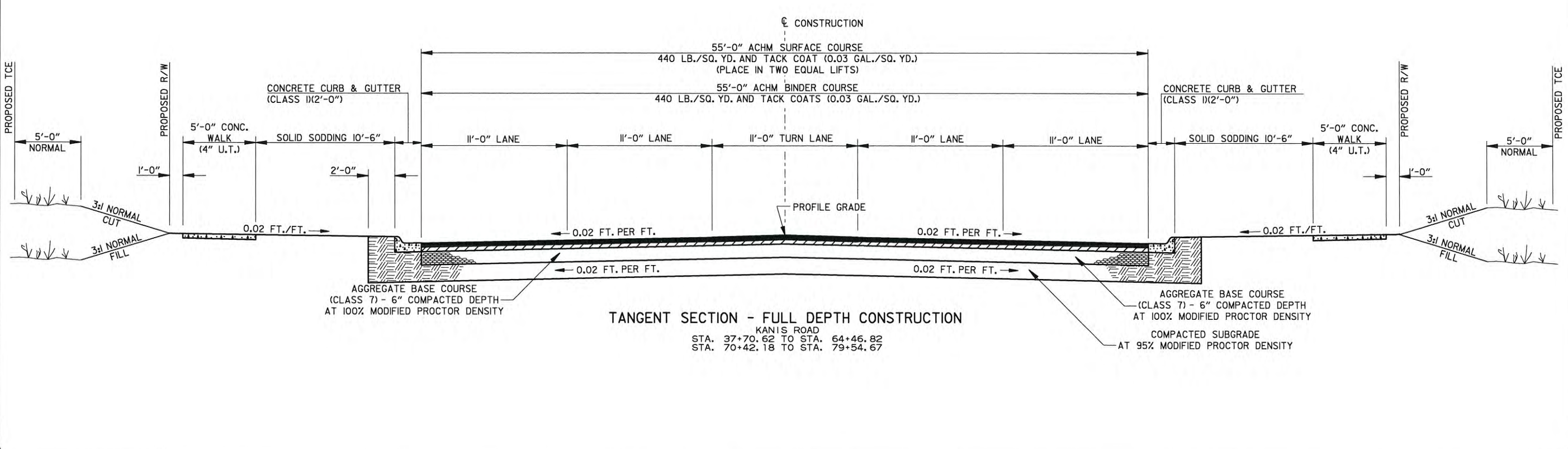
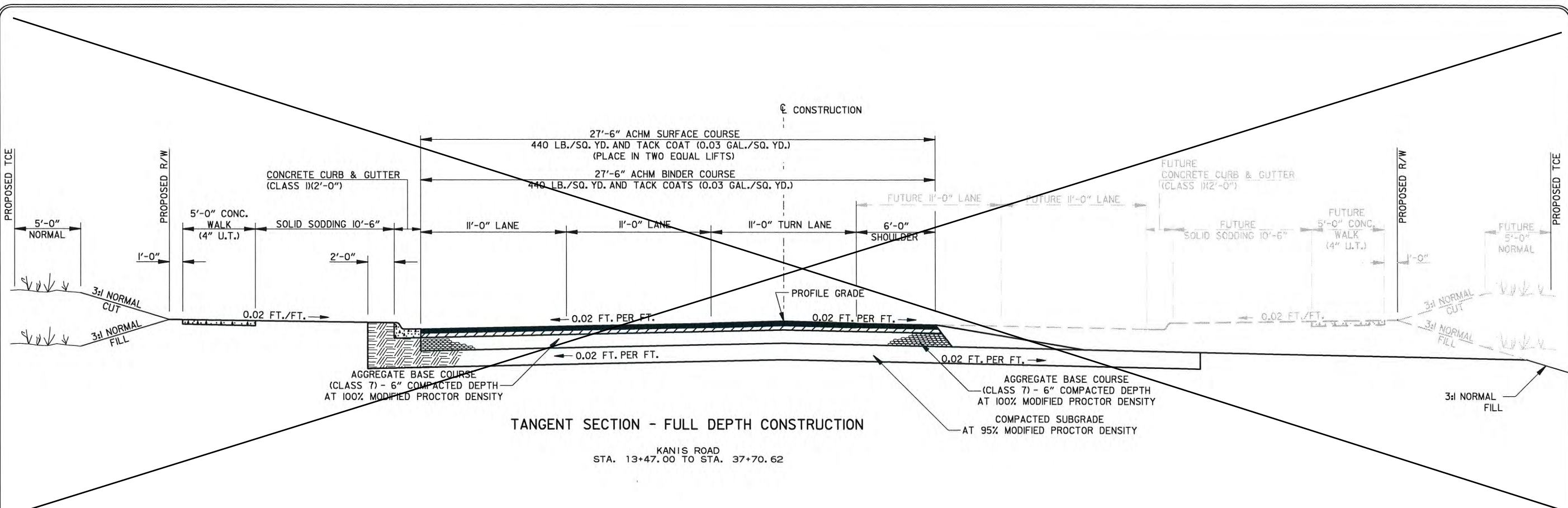


DRAWN BY
DESIGNED
CHECKED
DATE 03-20-2019
SCALE NTS
PROJECT NO. 13-B-SD-6A
SHEET NO. C-02

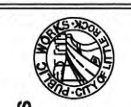

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NOTE:
 1) REFER TO PW-24, PW-28, PW-41, & PW-42 OF THE STANDARD DETAILS FOR ADDITIONAL INFORMATION.
 2) REFER TO PLAN SHEETS AND CROSS SECTION FOR DEVIATIONS.

REVISIONS	DATE
CITY OF LITTLE ROCK, ARKANSAS KANIS ROAD TYPICAL SECTION SHEET 1	
 DEPARTMENT OF PUBLIC WORKS CIVIL ENGINEERING 701 W. MARKHAM LITTLE ROCK, ARKANSAS 72201	
 KEVIN G. TOBLESKY REGISTERED PROFESSIONAL ENGINEER No. 11427	
DRAWN BY: RFR DESIGNED: RFR CHECKED: KGT DATE: 02/24/17 SCALE: 1" = 8' PROJECT NO.: 13-B-5D-6A SHEET NO.: C-03	

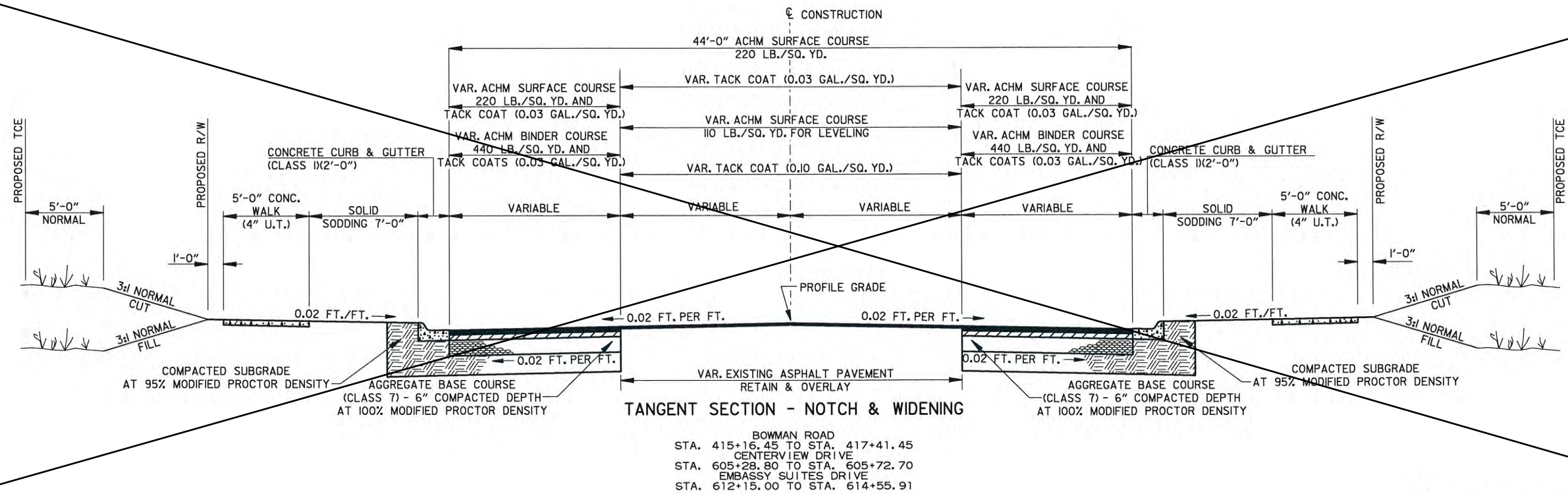
REVISIONS	DATE

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

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

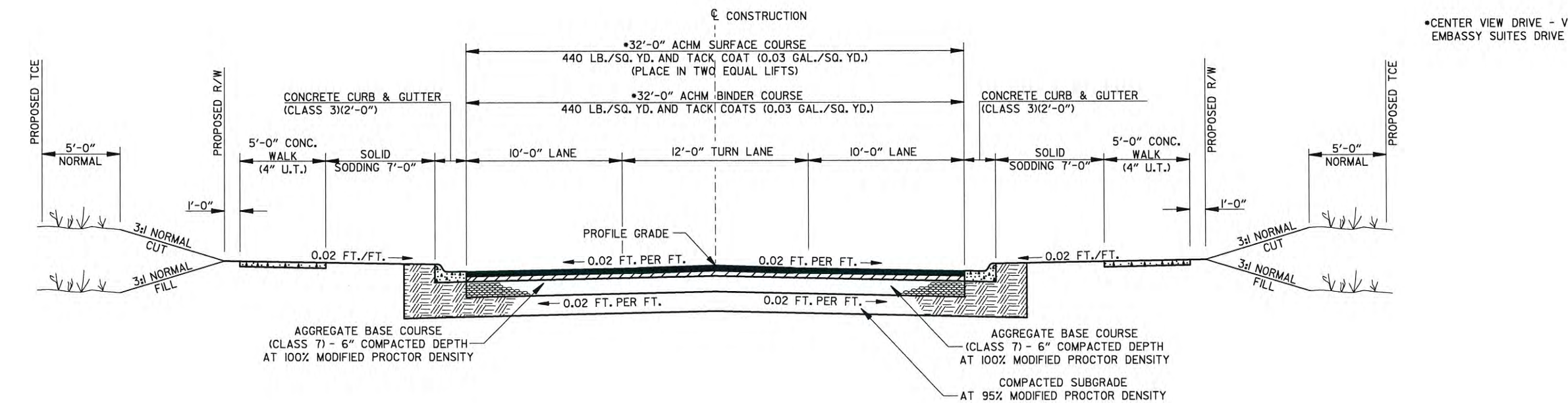
STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 11427
 IRVIN G. TOBIESKY

3-15-17
 DRAWN BY
 RFR
 DESIGNED
 RFR
 CHECKED
 KGT
 DATE
 02 / 24 / 17
 SCALE
 1" = 8'
 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-06



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.

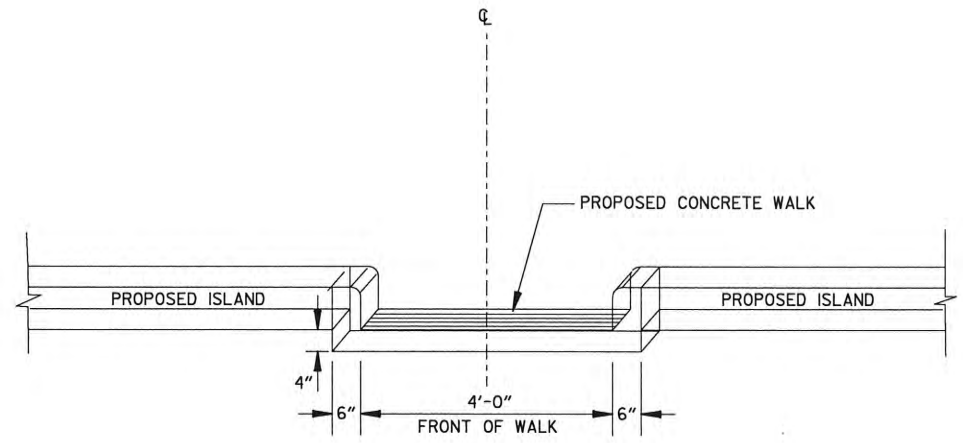
*CENTER VIEW DRIVE - VARIABLE
 *EMBASSY SUITES DRIVE - VARIABLE



* 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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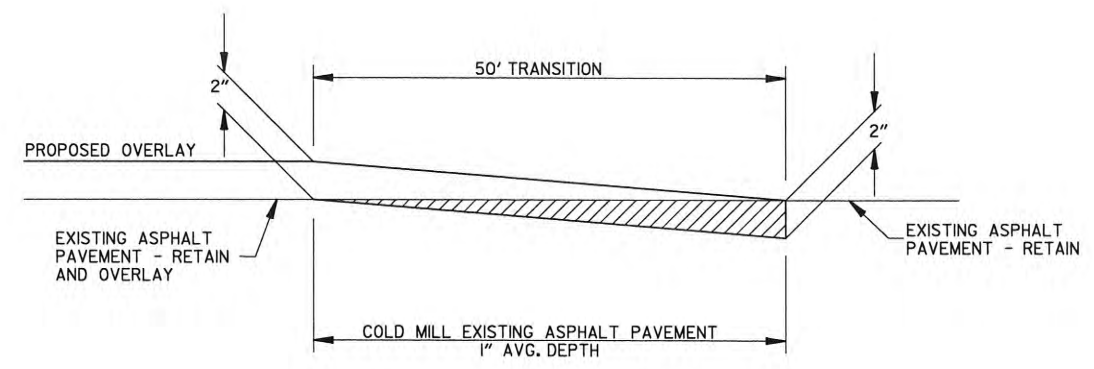
REVISIONS	DATE



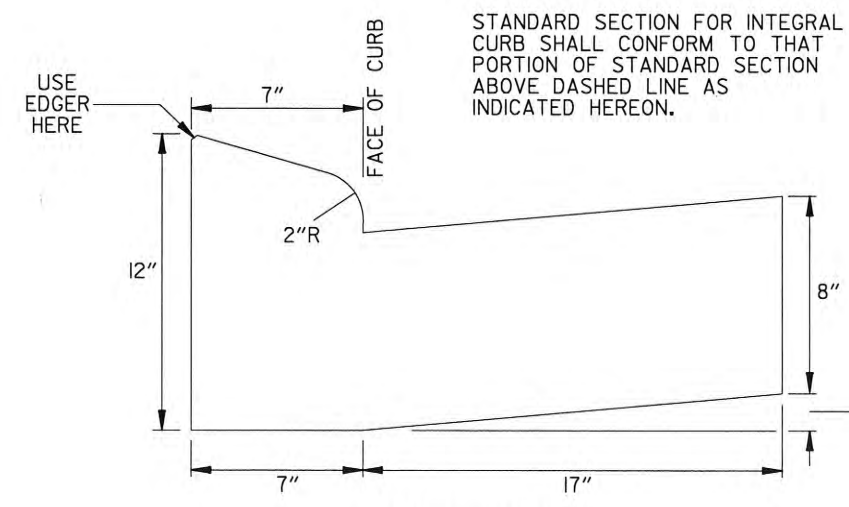
CONCRETE WALK THRU ISLAND

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



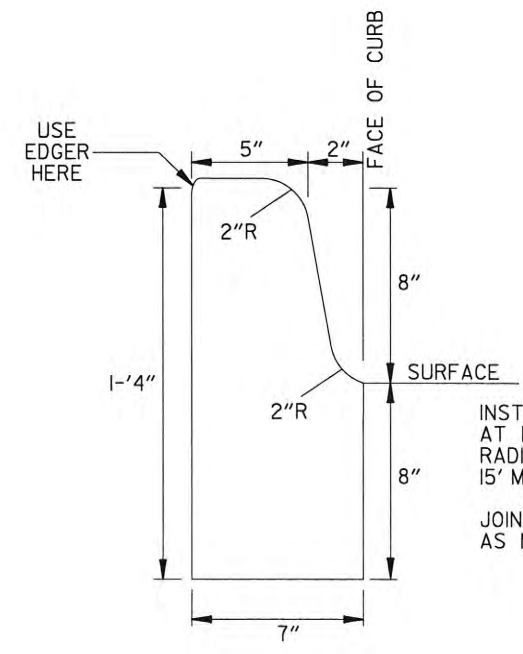
PAVEMENT TRANSITION



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.

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

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

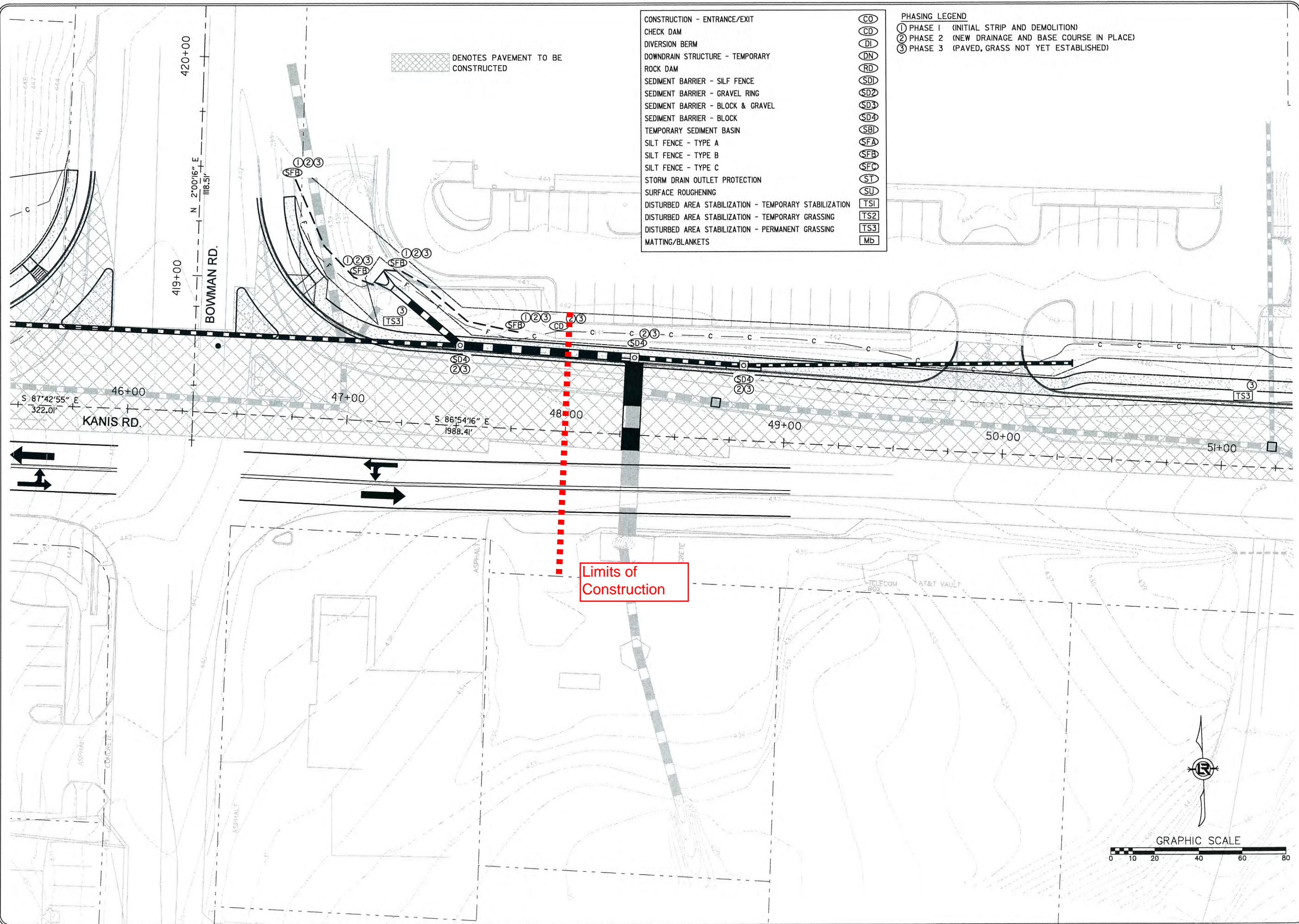
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY

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

- 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



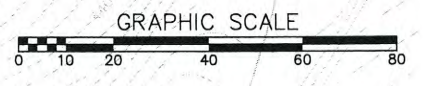
REVISIONS	DATE

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

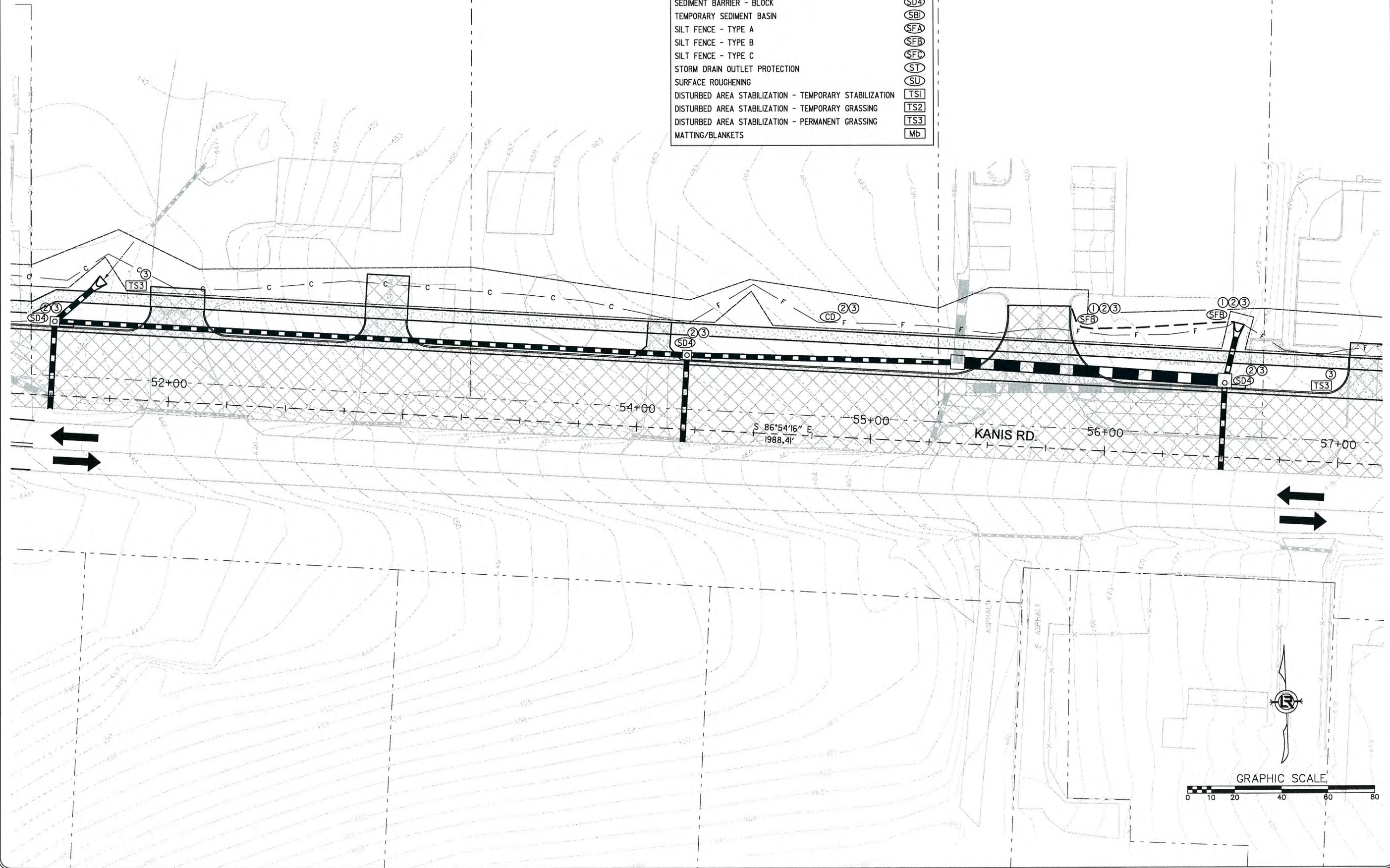
DRAWN BY	RFR
DESIGNED	RFR
CHECKED	RFR
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-17



DENOTES PAVEMENT TO BE CONSTRUCTED

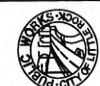
- CONSTRUCTION - ENTRANCE/EXIT (CO)
- CHECK DAM (CD)
- DIVERSION BERM (DI)
- DOWNDRAIN STRUCTURE - TEMPORARY (DN)
- ROCK DAM (RD)
- SEDIMENT BARRIER - SILT FENCE (SD1)
- SEDIMENT BARRIER - GRAVEL RING (SD2)
- SEDIMENT BARRIER - BLOCK & GRAVEL (SD3)
- SEDIMENT BARRIER - BLOCK (SD4)
- TEMPORARY SEDIMENT 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/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 9


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


 KEVIN G. TOBLESKY

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



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
- 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

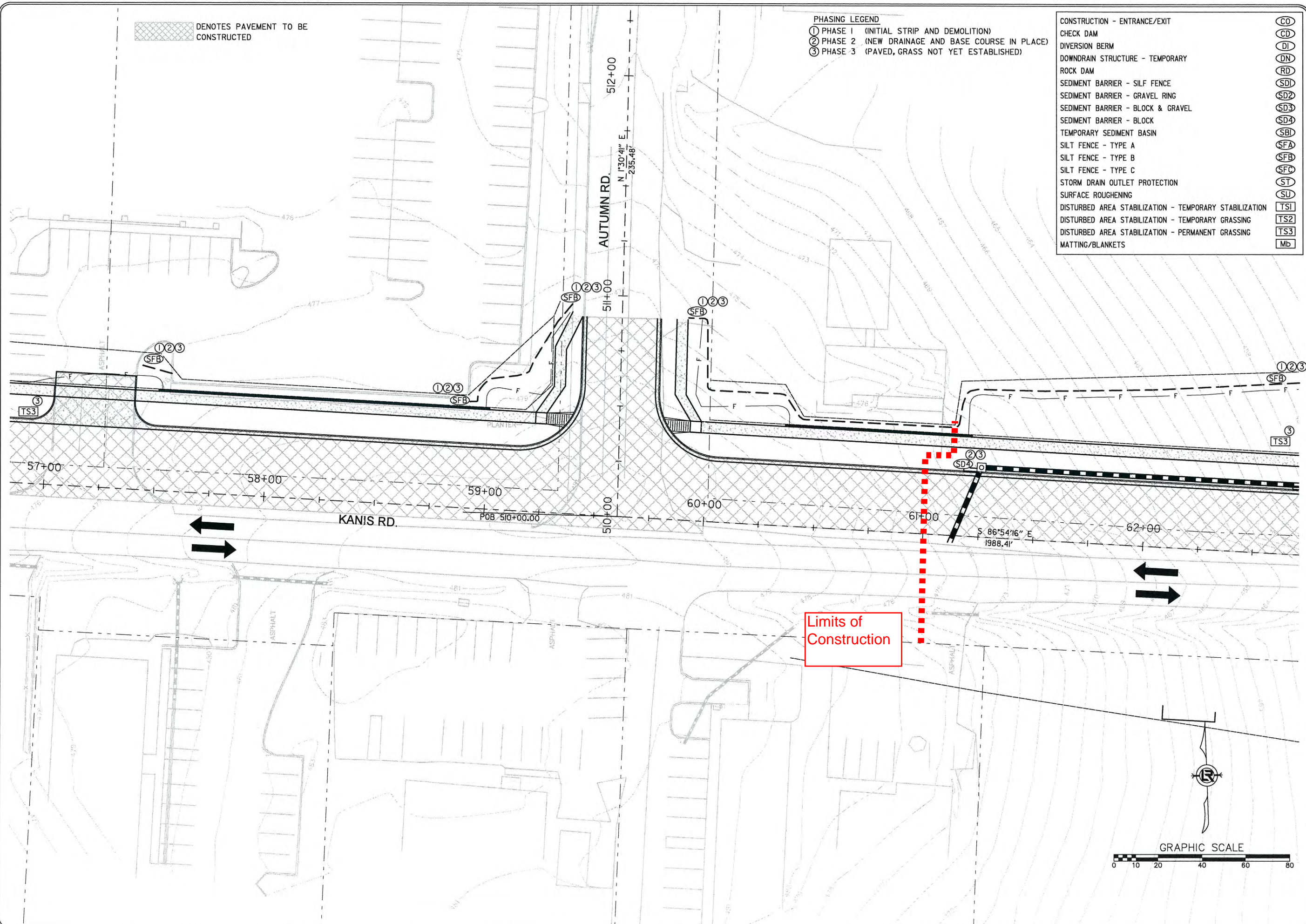
REVISIONS	DATE

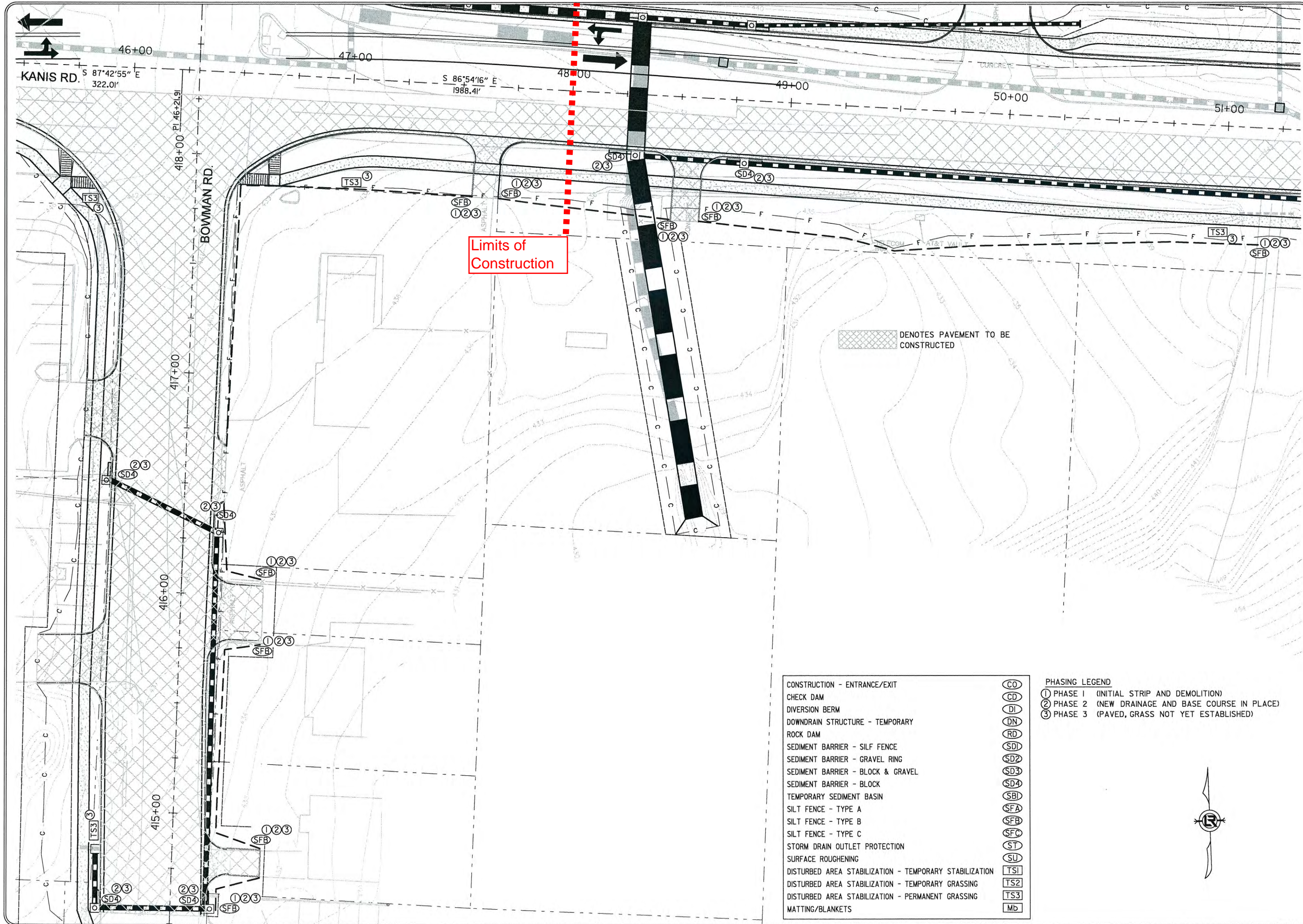
CITY OF LITTLE ROCK, ARKANSAS
 KANIS ROAD
 TEMPORARY EROSION CONTROL PLAN
 KANIS ROAD
 GAMBLE TO SHACKLEFORD - STAGE 1
 SHEET 10

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

STATE OF ARKANSAS
 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-19





Limits of Construction

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	(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 24

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

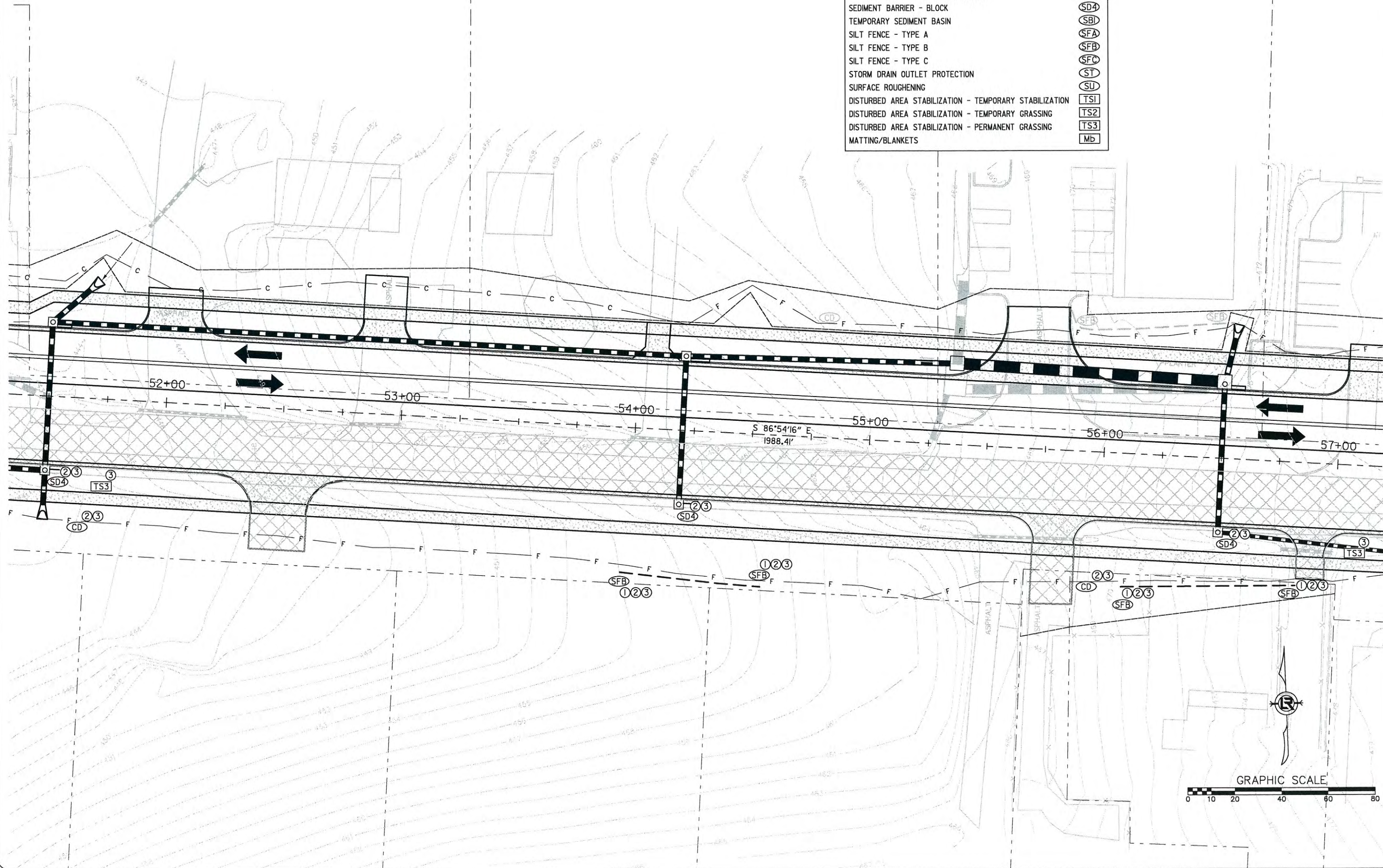
STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 11427
 KEVIN G. TOBLESKY

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-33

 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 (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 25


 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-34

REVISIONS	DATE

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

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

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

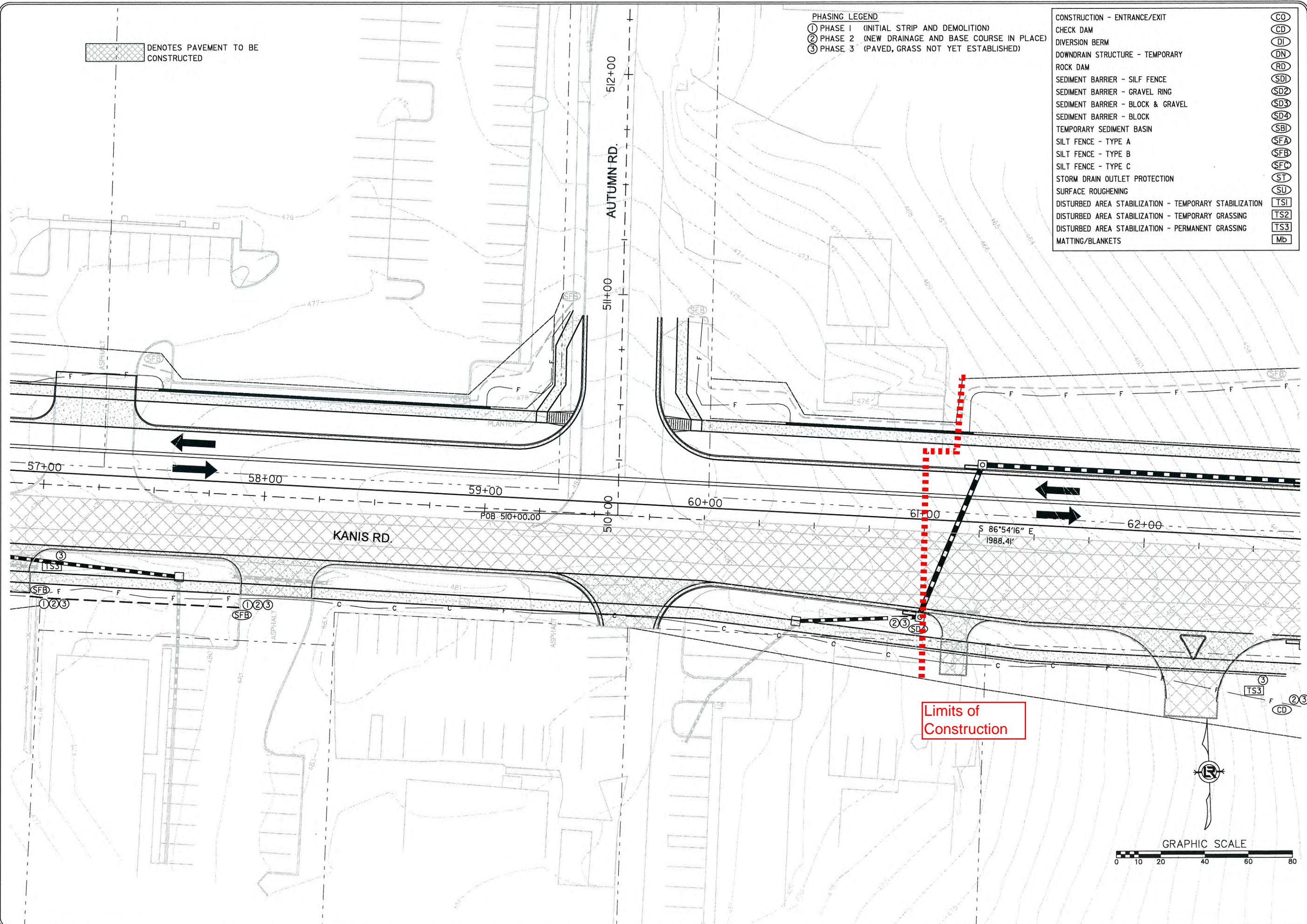
3-15-17

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

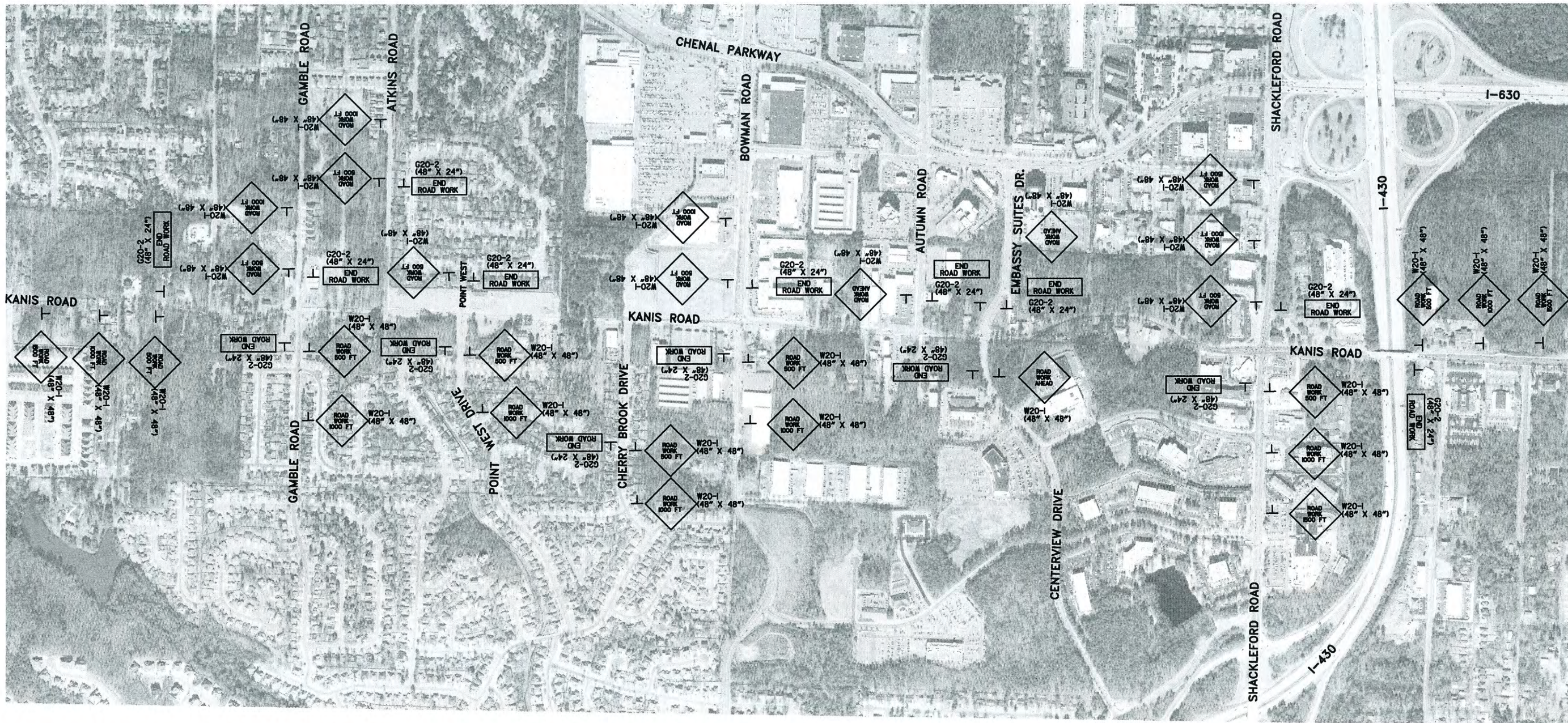
- PHASING LEGEND
- ① PHASE 1 (INITIAL STRIP AND DEMOLITION)
 - ② PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
 - ③ PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)

- CONSTRUCTION - ENTRANCE/EXIT (CO)
- CHECK DAM (CD)
- DIVERSION BERM (DI)
- DOWNDRAIN STRUCTURE - TEMPORARY (DN)
- ROCK DAM (RD)
- SEDIMENT BARRIER - SILT FENCE (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)

DENOTES PAVEMENT TO BE CONSTRUCTED



Limits of Construction





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



REVISIONS	DATE

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

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

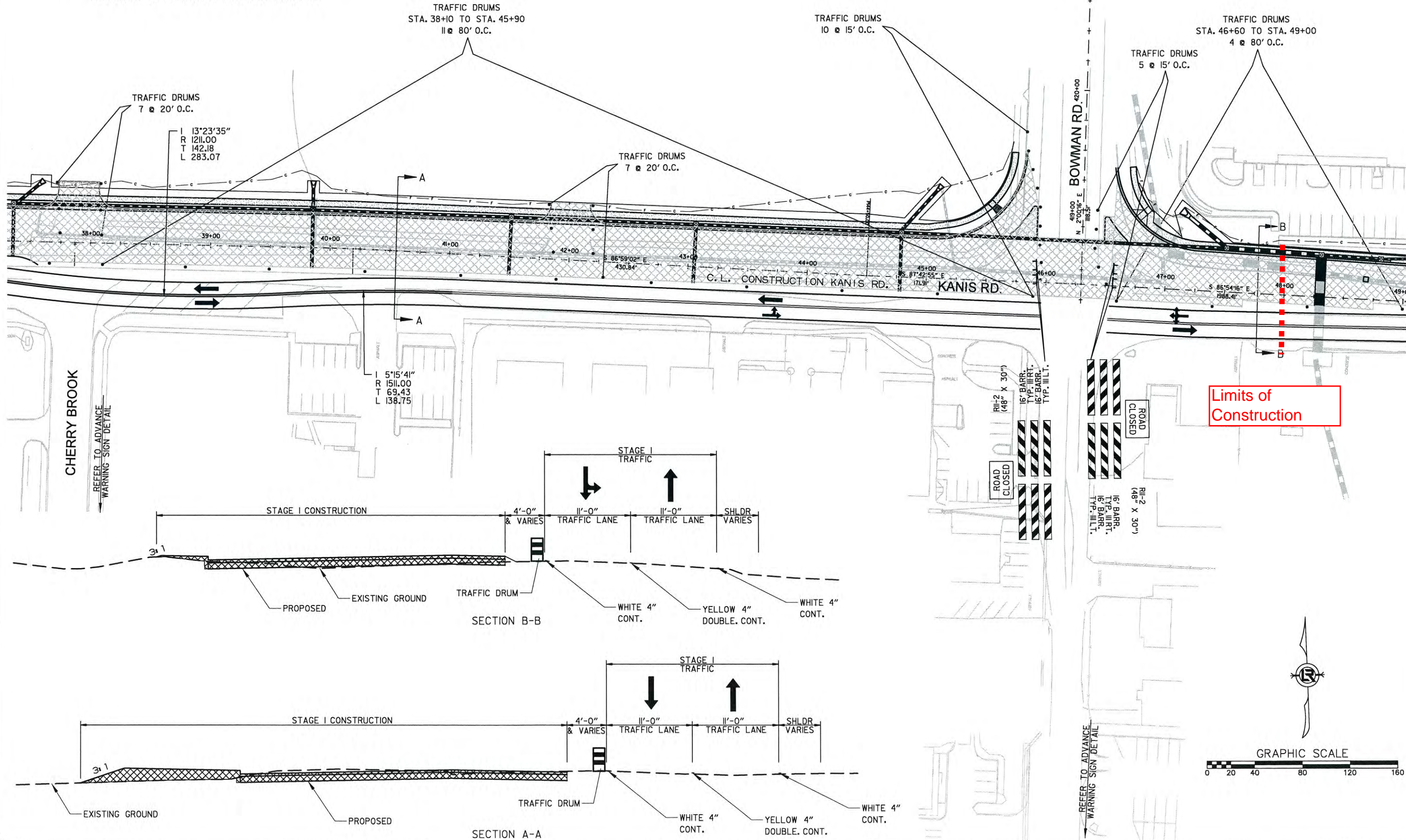
3-15-17
 DRAWN BY RFR
 DESIGNED RFR
 CHECKED KGT
 DATE 02/24/17
 SCALE 1" = 80'
 PROJECT NO. 13-B-5D-6A
 SHEET NO. C-45

 DENOTES PAVEMENT TO BE CONSTRUCTED

STAGE 1
 CONSTRUCTION PAVEMENT MARKINGS
 STA. 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



TRAFFIC DRUMS
 7 @ 20' O.C.
 I 13°23'35"
 R 1211.00
 T 142.18
 L 283.07

TRAFFIC DRUMS
 7 @ 20' O.C.

TRAFFIC DRUMS
 10 @ 15' O.C.

TRAFFIC DRUMS
 5 @ 15' O.C.

TRAFFIC DRUMS
 STA. 46+60 TO STA. 49+00
 4 @ 80' O.C.

TRAFFIC DRUMS
 STA. 38+10 TO STA. 45+90
 11 @ 80' O.C.

CHERRY BROOK

BOWMAN RD. 420+00

Limits of Construction

STAGE I CONSTRUCTION

SECTION B-B

SECTION A-A

GRAPHIC SCALE
 0 20 40 80 120 160

REFER TO ADVANCE WARNING SIGN DETAIL

REFER TO ADVANCE WARNING SIGN DETAIL

ROAD CLOSED
 R11-2 (48" X 30")
 16' BARR. TYP. ILL. I.
 16' BARR. TYP. ILL. L.

ROAD CLOSED
 R11-2 (48" X 30")
 16' BARR. TYP. ILL. I.
 16' BARR. TYP. ILL. L.



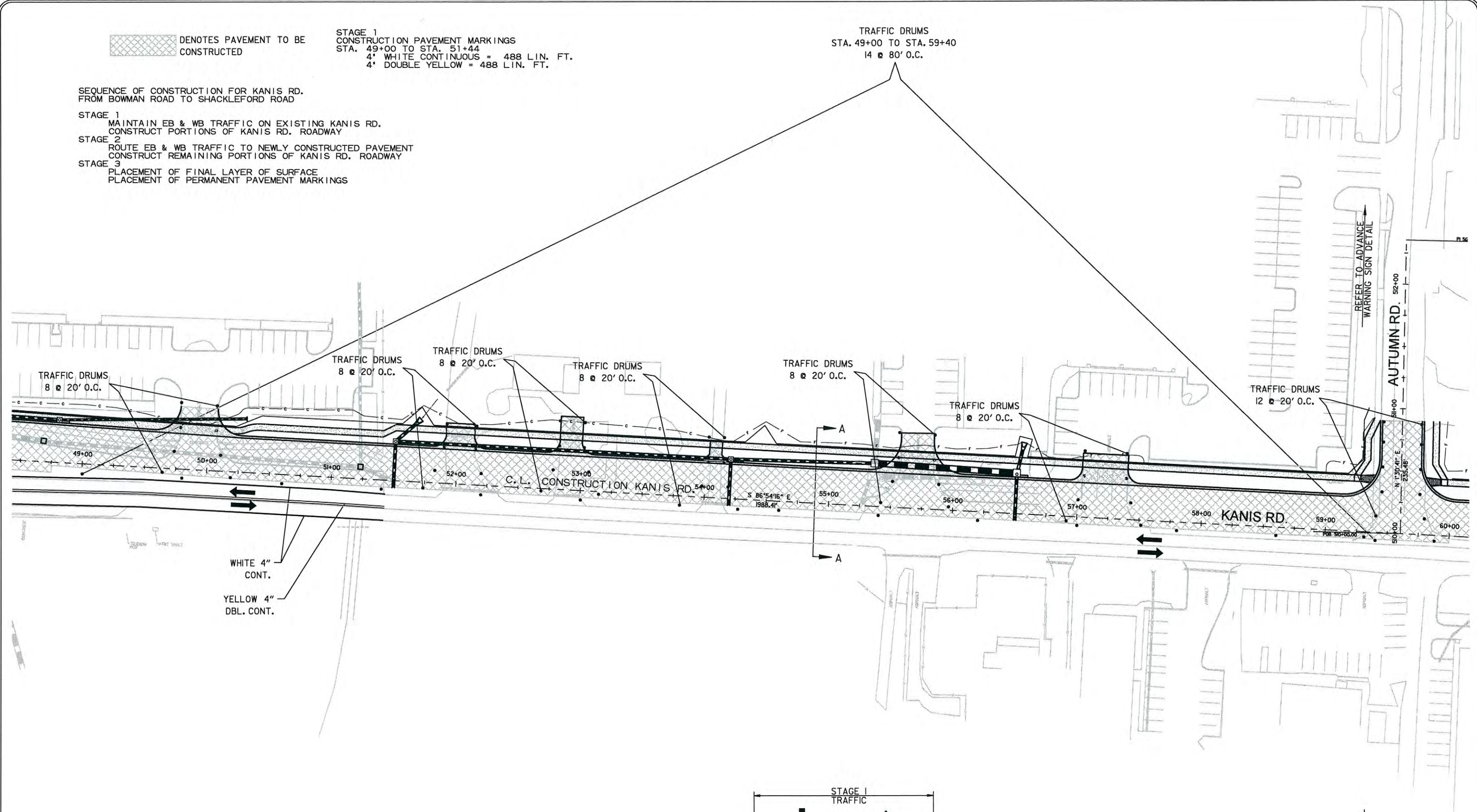
 DENOTES PAVEMENT TO BE CONSTRUCTED

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

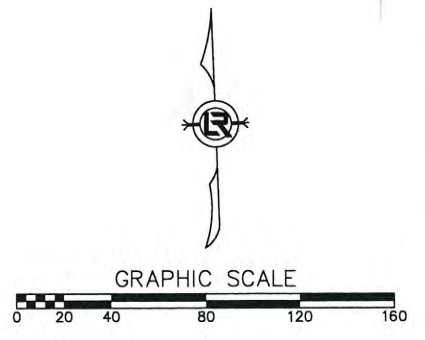
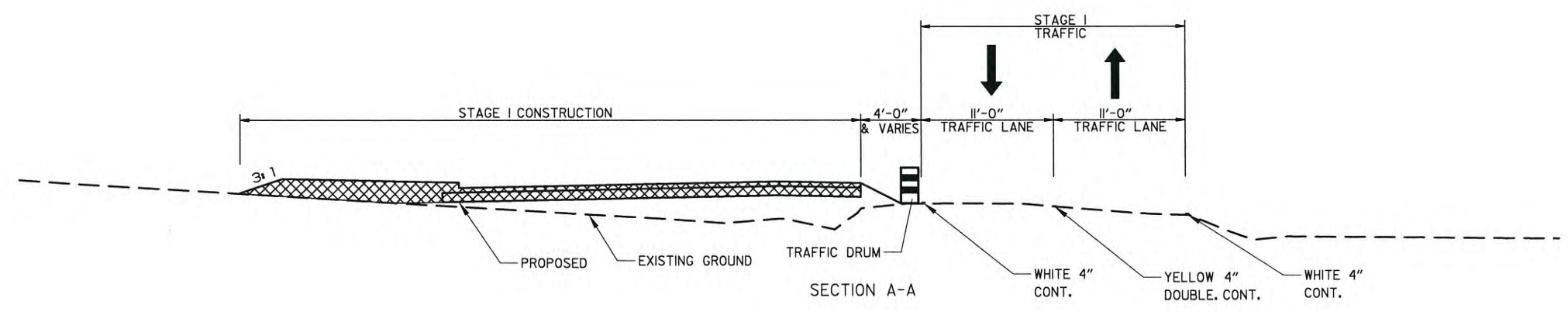
SEQUENCE OF CONSTRUCTION FOR KANIS RD.
FROM BOWMAN ROAD TO SHACKLEFORD ROAD

- 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

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-46

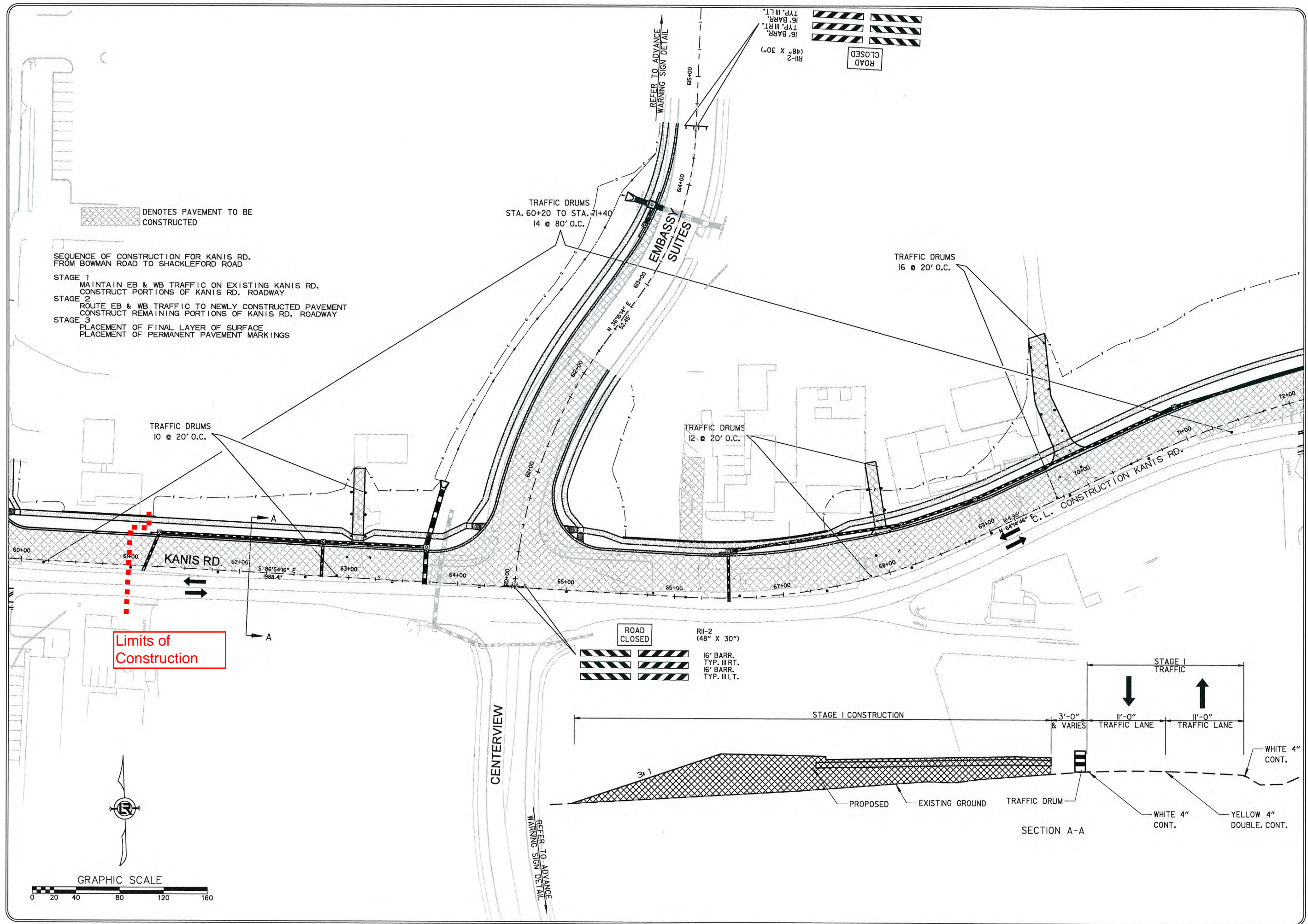
REVISIONS	DATE

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. TOBLESKY

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.

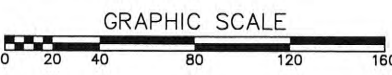
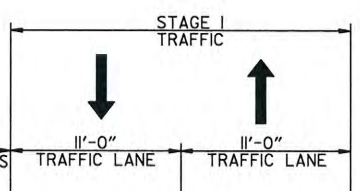
TRAFFIC DRUMS STA. 60+20 TO STA. 61+40 14 @ 80' O.C.

TRAFFIC DRUMS 12 @ 20' O.C.

TRAFFIC DRUMS 16 @ 20' O.C.

Limits of Construction

ROAD CLOSED R11-2 (48" X 30") 16' BARR. TYP. III RT. 16' BARR. TYP. III LT.



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. TOBIASKY

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.

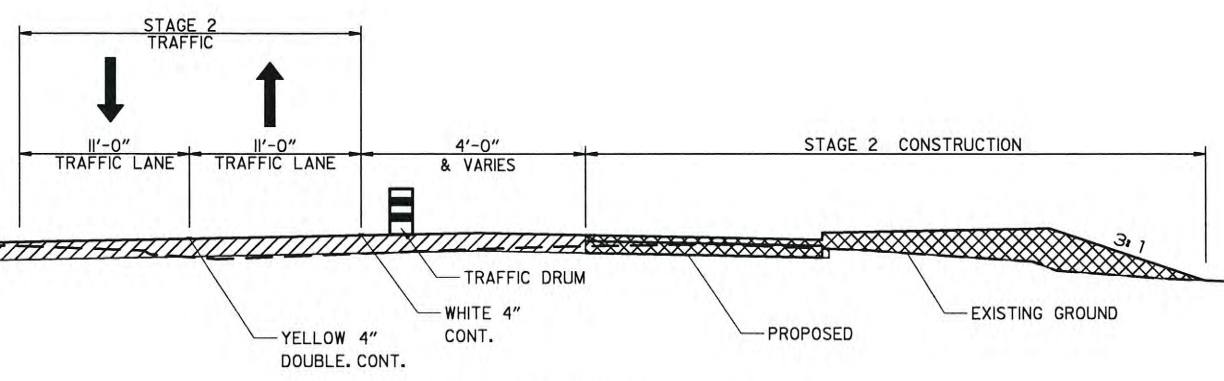
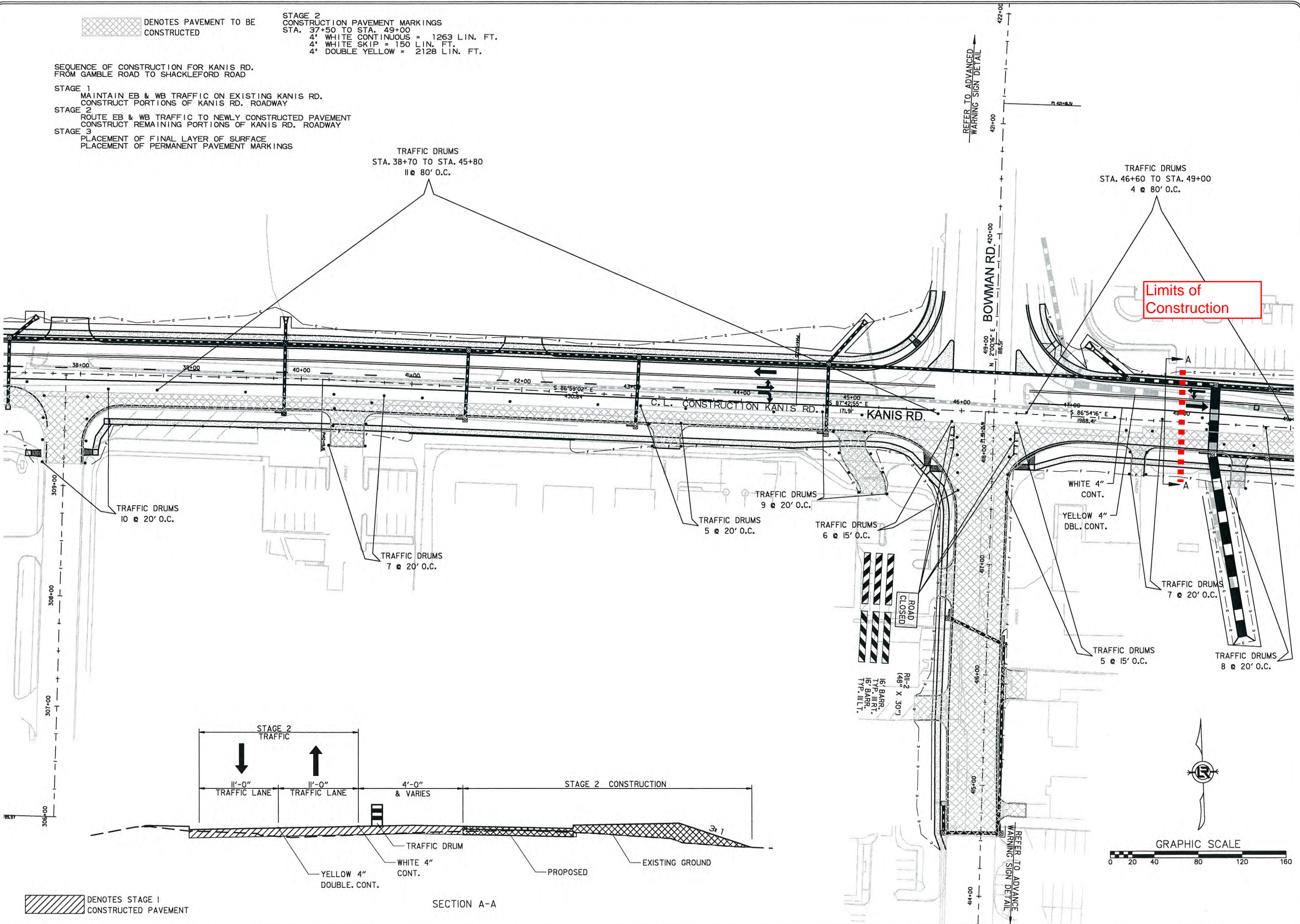
SEQUENCE OF CONSTRUCTION FOR KANIS RD.
 FROM GAMBLE ROAD TO SHACKLEFORD ROAD

- 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

TRAFFIC DRUMS
 STA. 38+70 TO STA. 45+80
 11 @ 80' O.C.

TRAFFIC DRUMS
 STA. 46+60 TO STA. 49+00
 4 @ 80' O.C.

Limits of Construction



DENOTES STAGE 1 CONSTRUCTED PAVEMENT

SECTION A-A

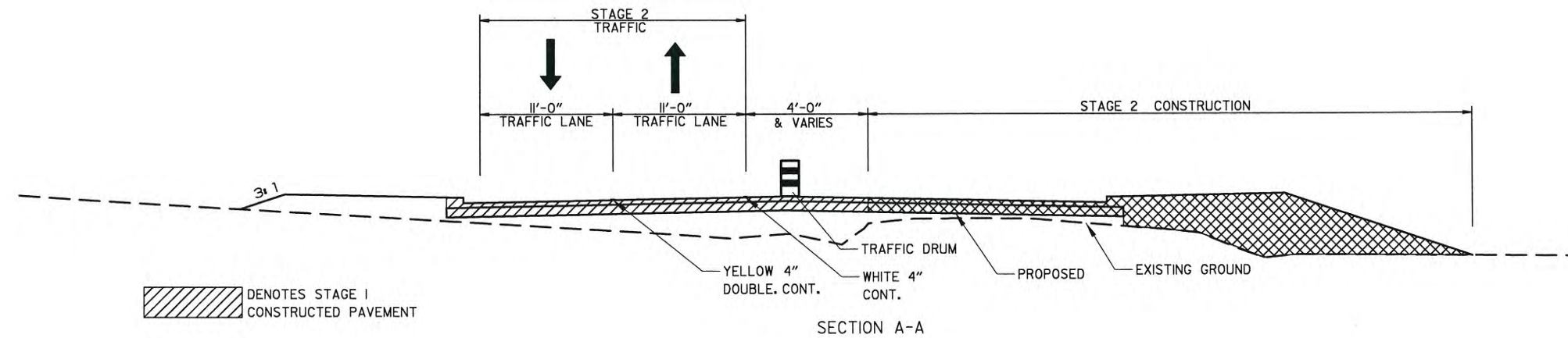
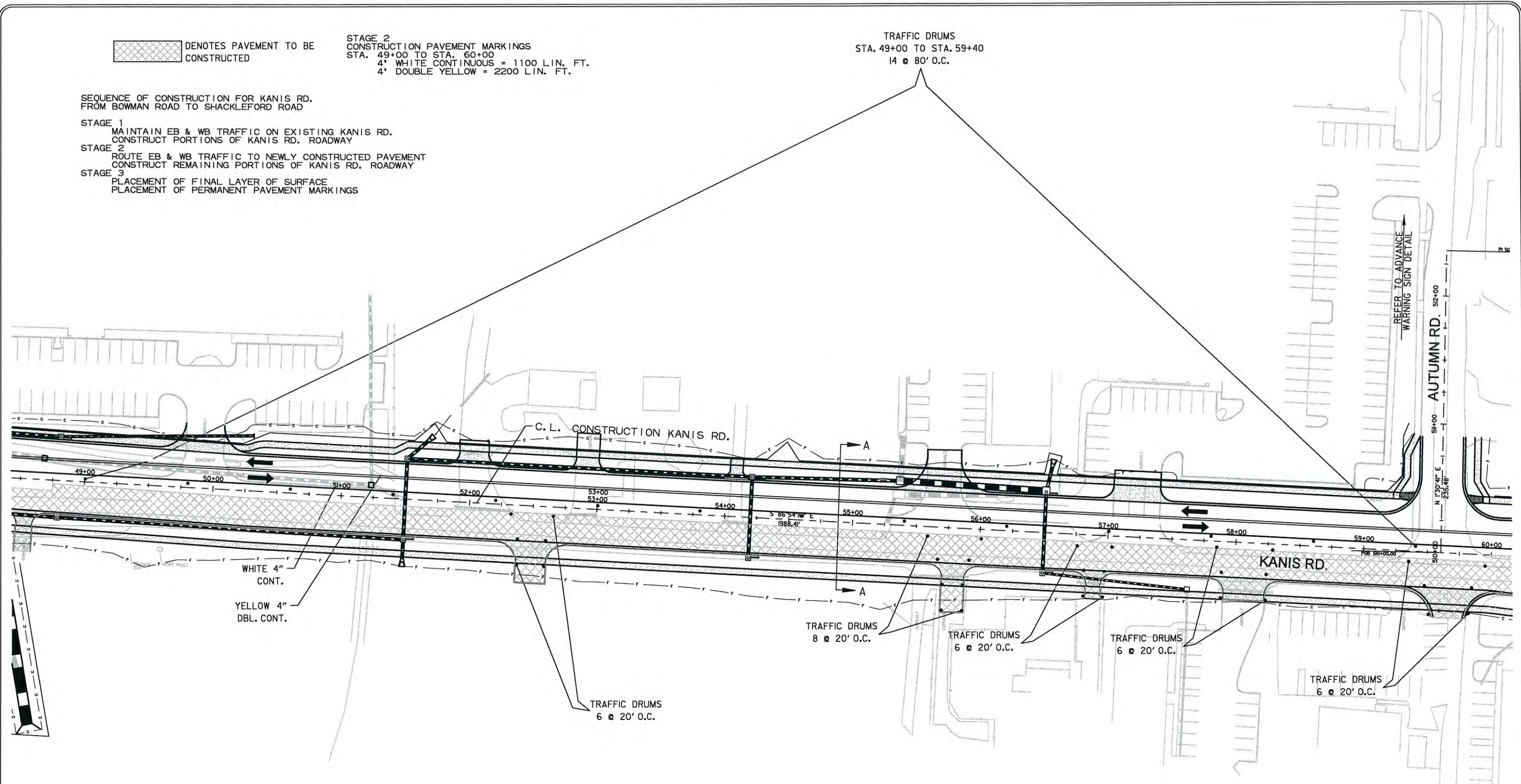
 DENOTES PAVEMENT TO BE CONSTRUCTED

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.



SECTION A-A

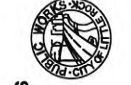

 DENOTES STAGE 1 CONSTRUCTED PAVEMENT



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. 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-54

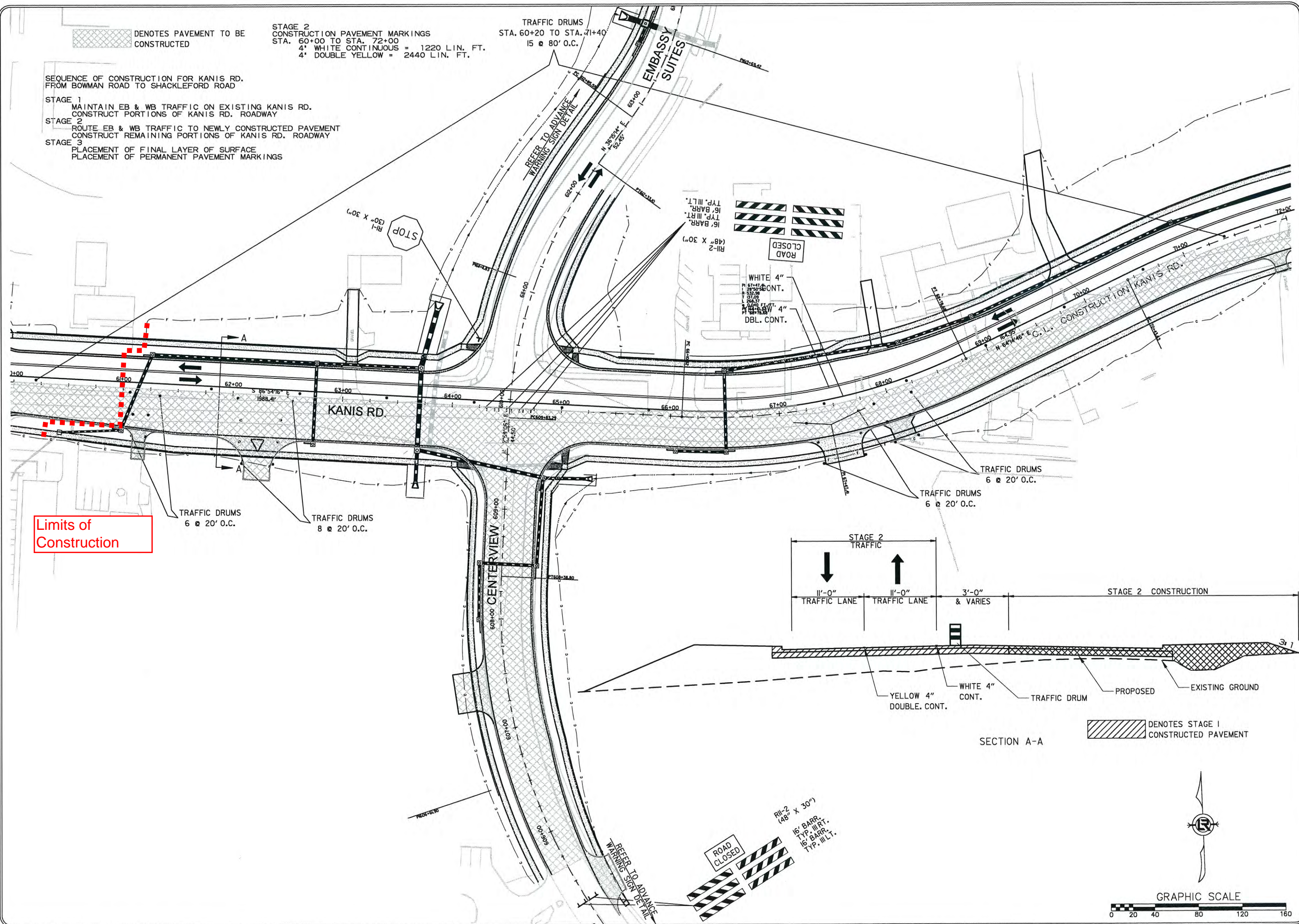
REVISIONS	DATE

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
 KEVIN 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



Limits of Construction

/// DENOTES STAGE I CONSTRUCTED PAVEMENT



REVISIONS	DATE

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

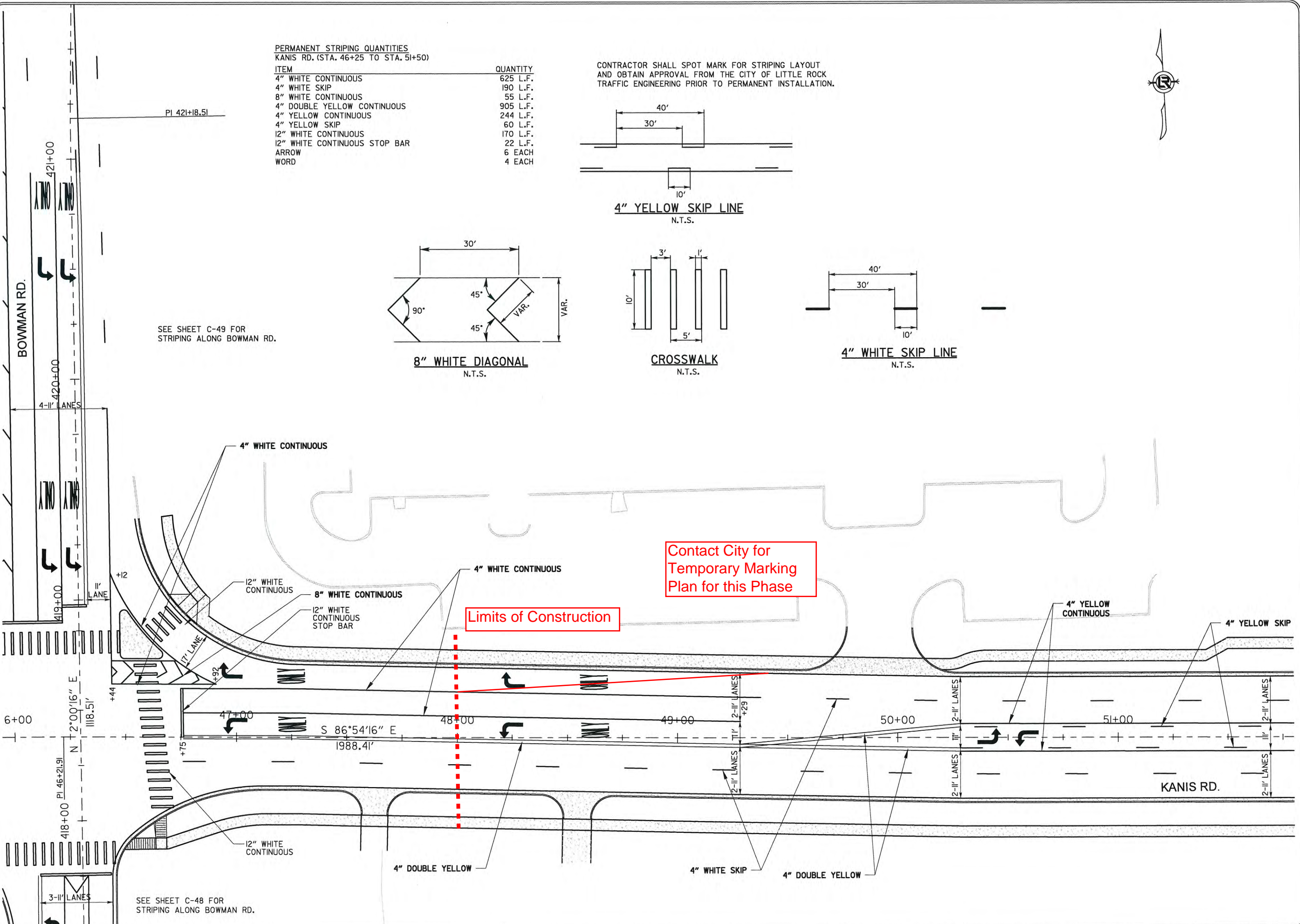
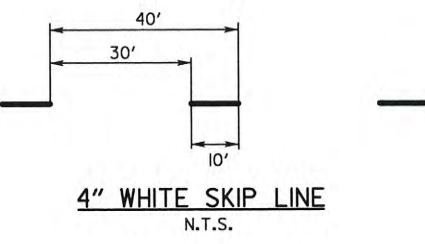
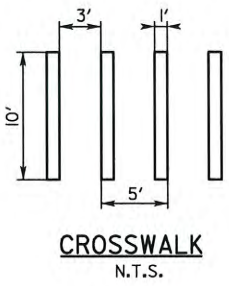
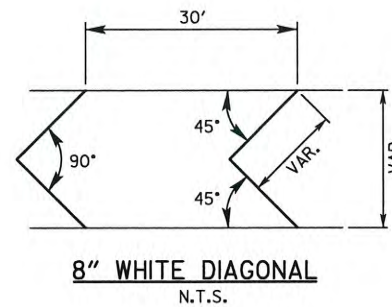
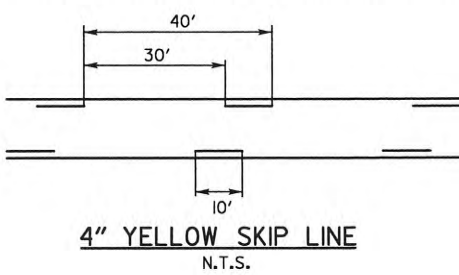
STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 11427
 KEVIN G. TOBIASKE
 7-15-17

DRAWN BY
 JAB
 DESIGNED
 RFR
 CHECKED
 KGT
 DATE
 02 / 24 / 17
 SCALE
 1" = 40'
 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-65

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.



Contact City for Temporary Marking Plan for this Phase

Limits of Construction

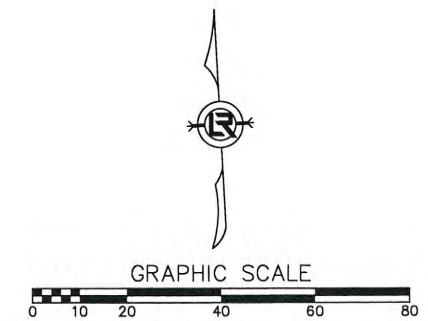
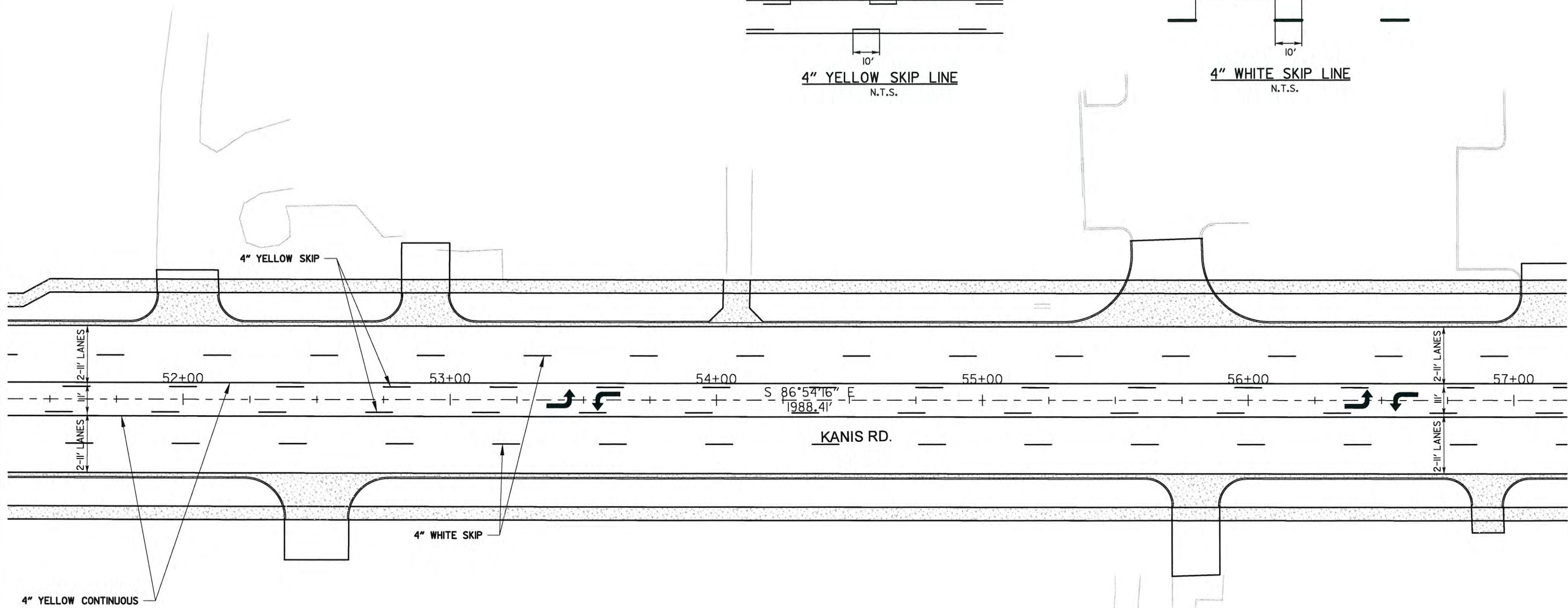
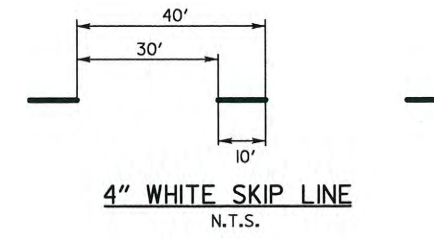
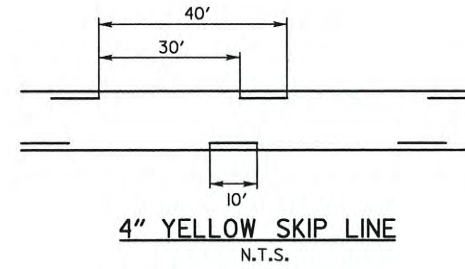
SEE SHEET C-49 FOR STRIPING ALONG BOWMAN RD.

SEE SHEET C-48 FOR STRIPING ALONG BOWMAN RD.

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
IRVIN 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-66

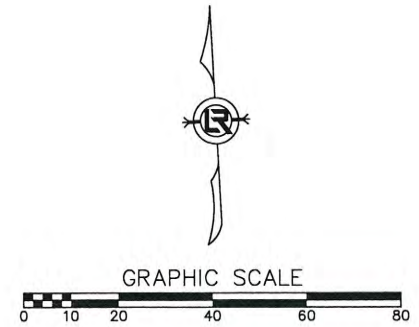
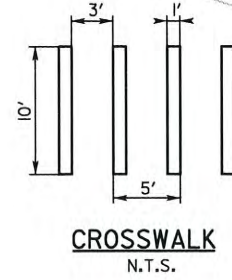
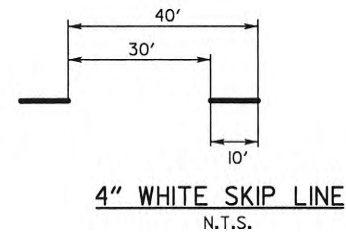
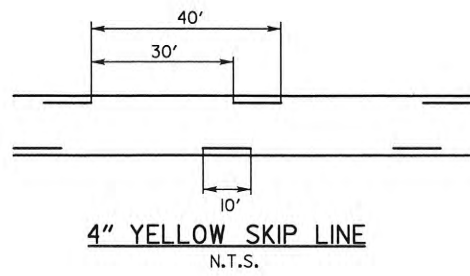
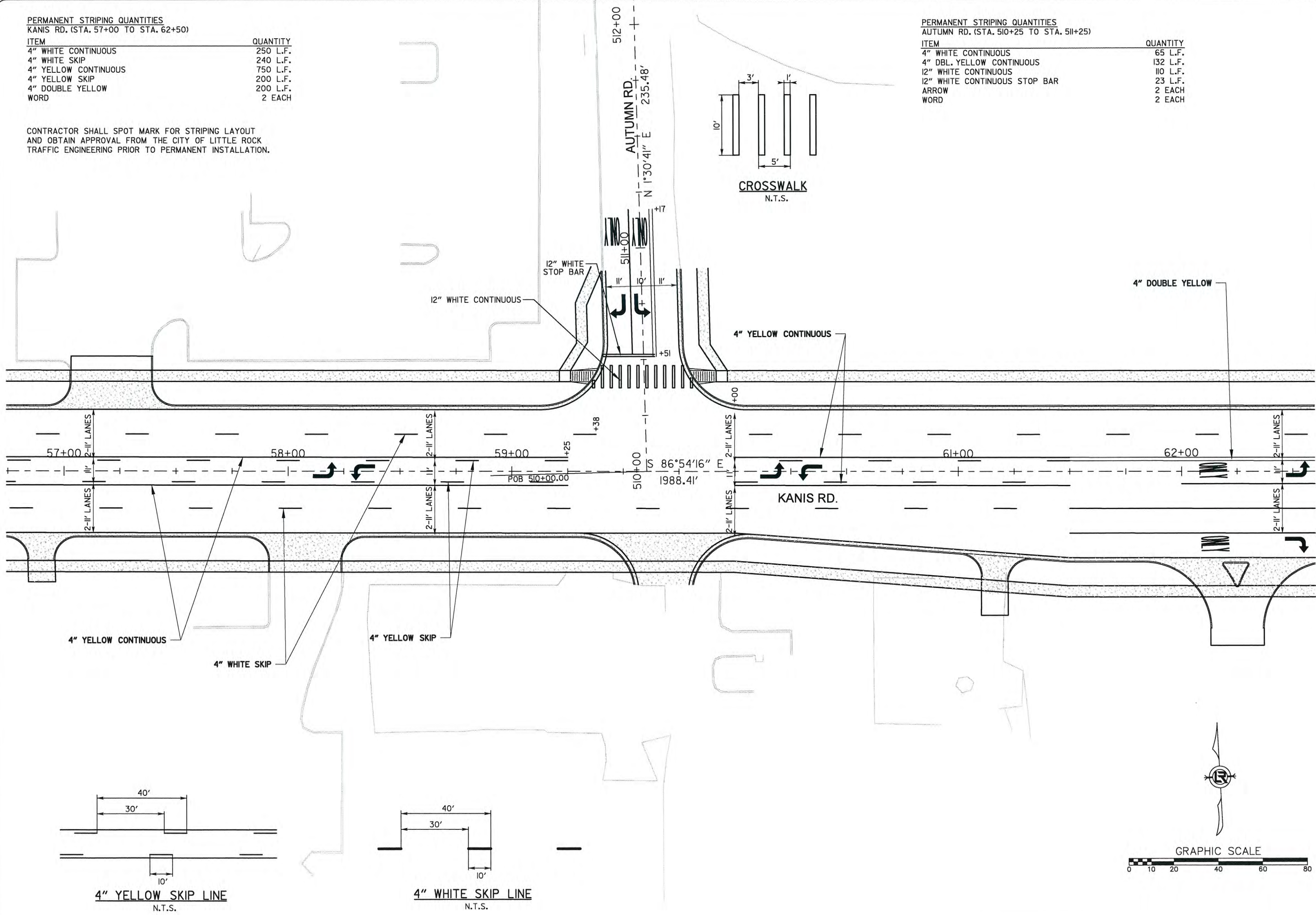
PERMANENT STRIPING QUANTITIES
KANIS RD. (STA. 57+00 TO STA. 62+50)

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
LEVIN G. TOBLESKY

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

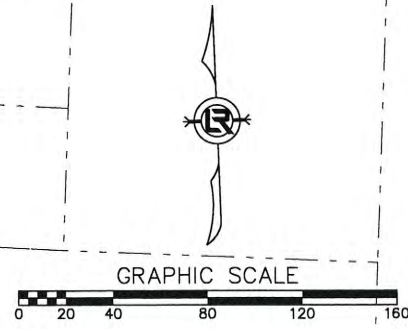
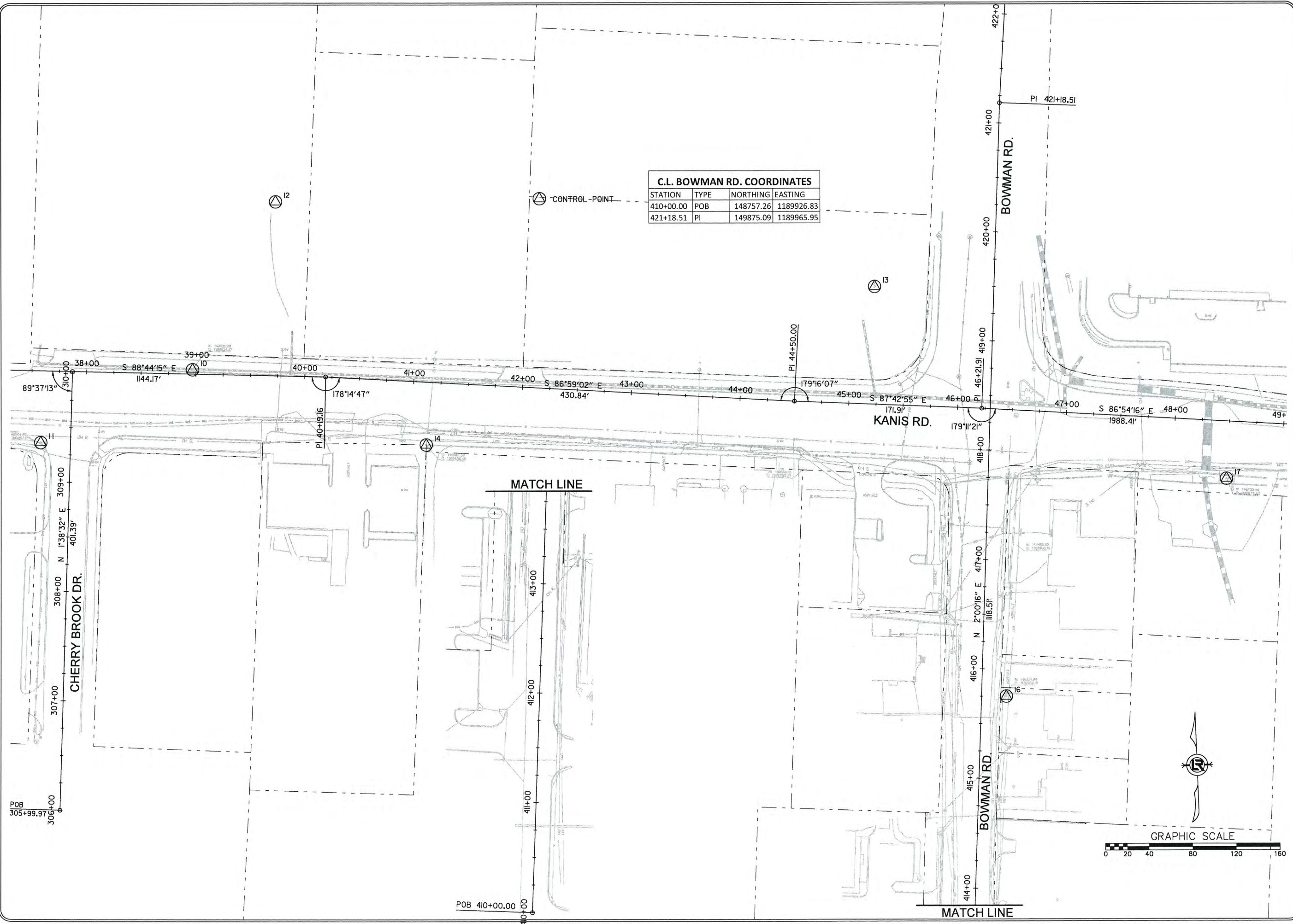
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD
 FIELD TIES / LAYOUT SHEET 4

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



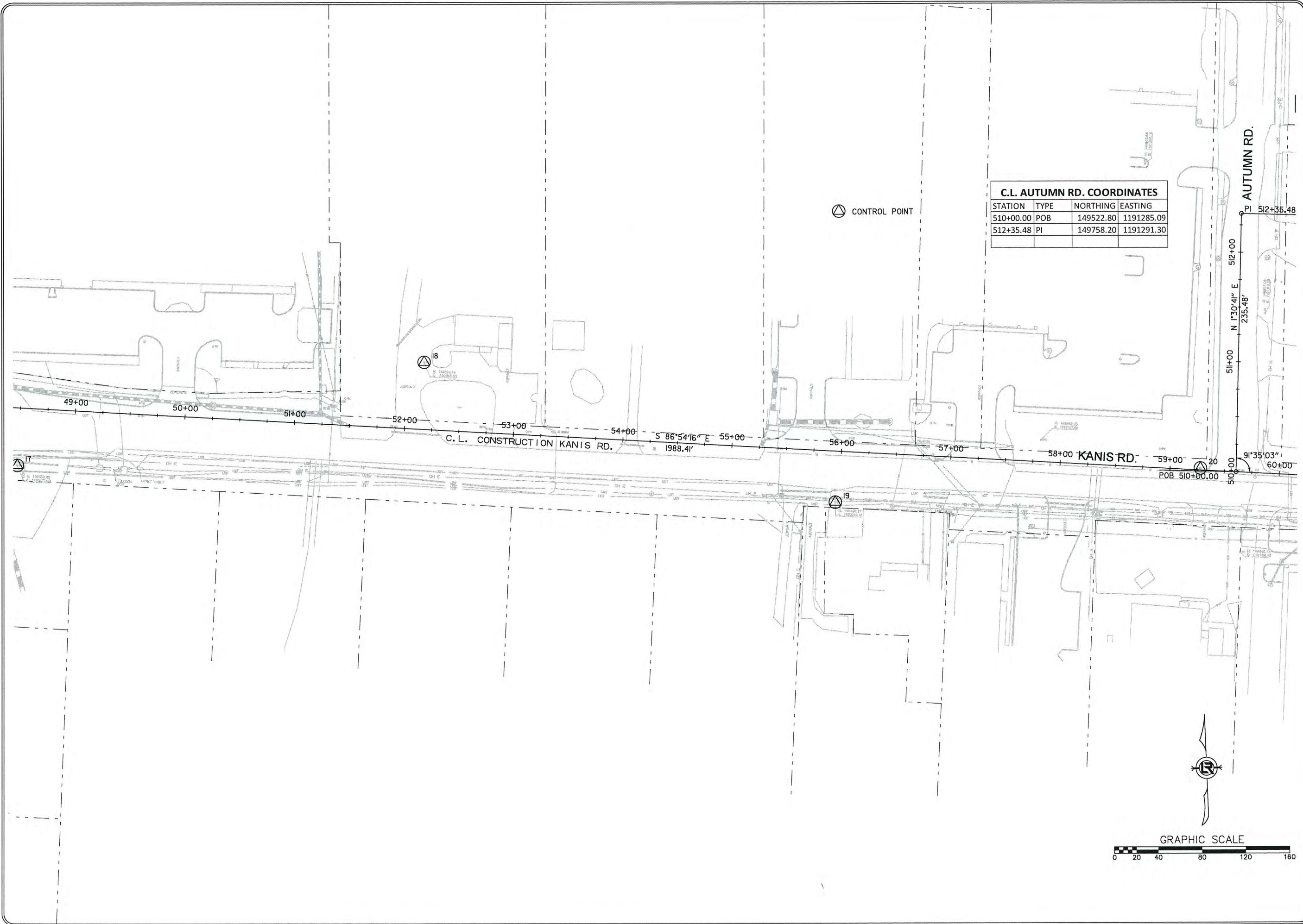
REVISIONS	DATE

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



3-17-17
 DRAWN BY
 RFR
 DESIGNED
 RFR
 CHECKED
 KGT
 DATE
 02 / 24 / 17
 SCALE
 1" = 80'
 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-83



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

⊙ CONTROL POINT

AUTUMN RD.

512+00
 N 1°30'41" E
 235.48'
 51+00
 50+00
 512+35.48
 91°35'03"
 50+00
 POB 510+00.00
 60+00

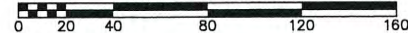
C.L. CONSTRUCTION KANIS RD.

S 86°54'16" E
 1988.41'

KANIS RD.

POB 510+00.00

GRAPHIC SCALE



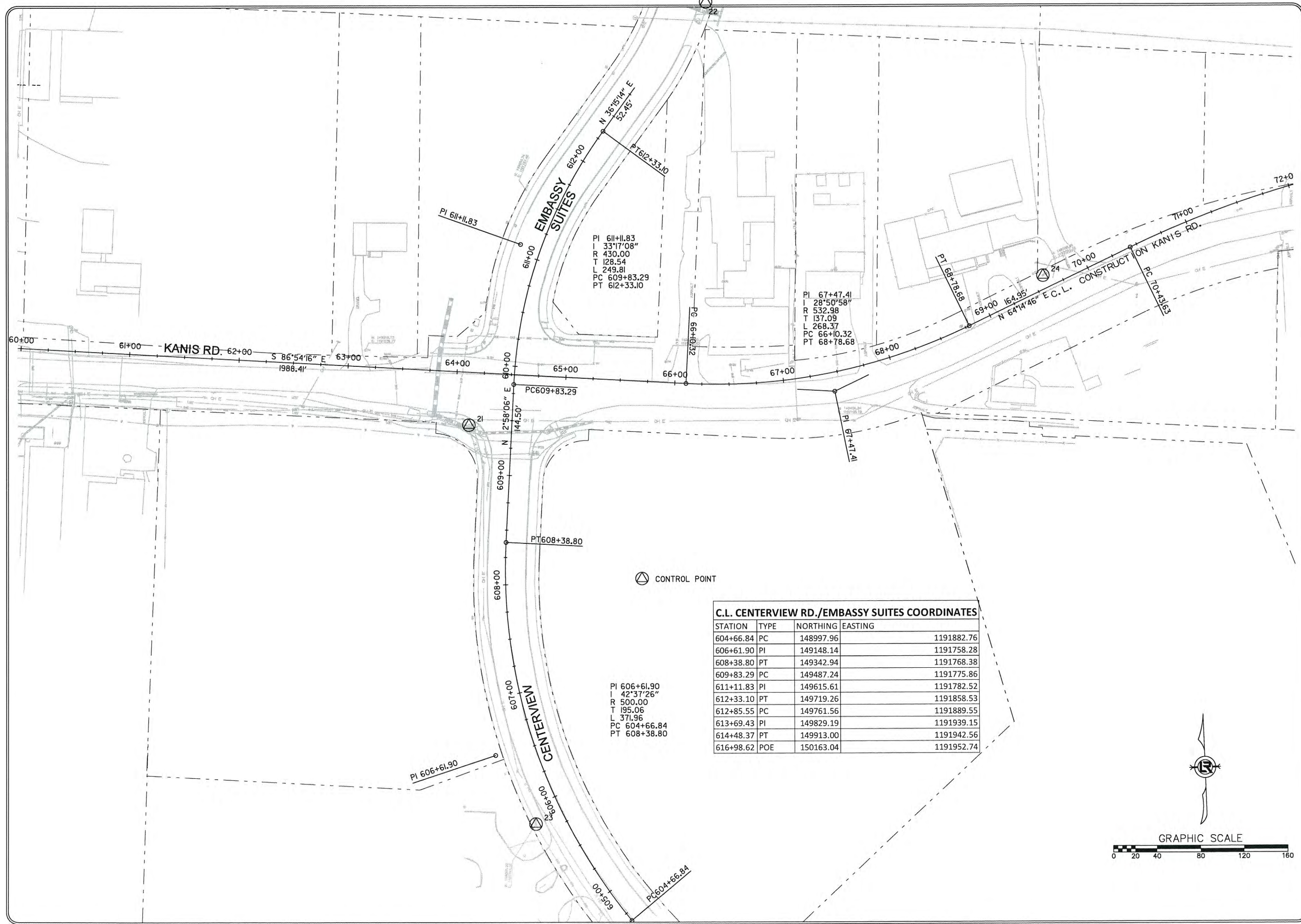
REVISIONS	DATE

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

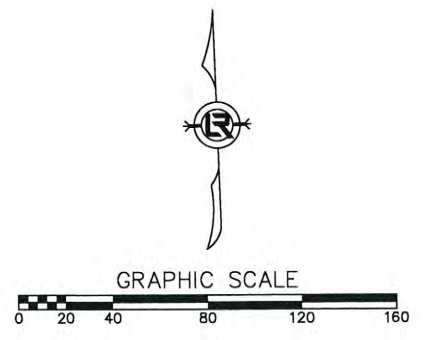
STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 11427
 KEVIN G. TOBESKY

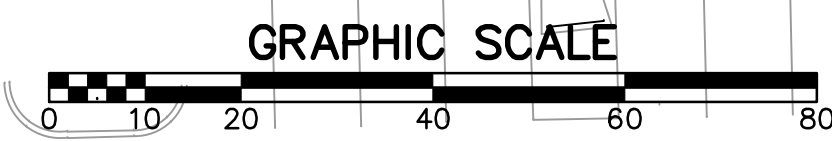
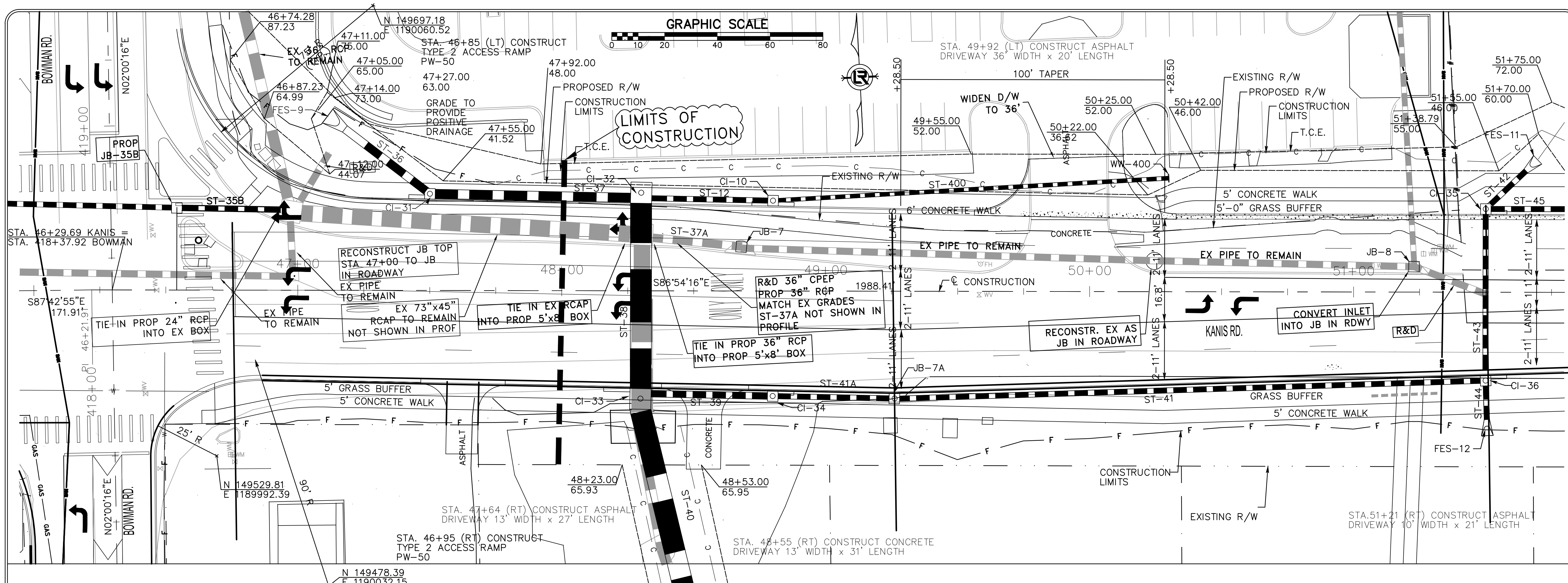
3-15-17
 DRAWN BY
 RFR
 DESIGNED
 RFR
 CHECKED
 KGT
 DATE
 02 / 24 / 17
 SCALE
 1" = 80'
 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
 C-84



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

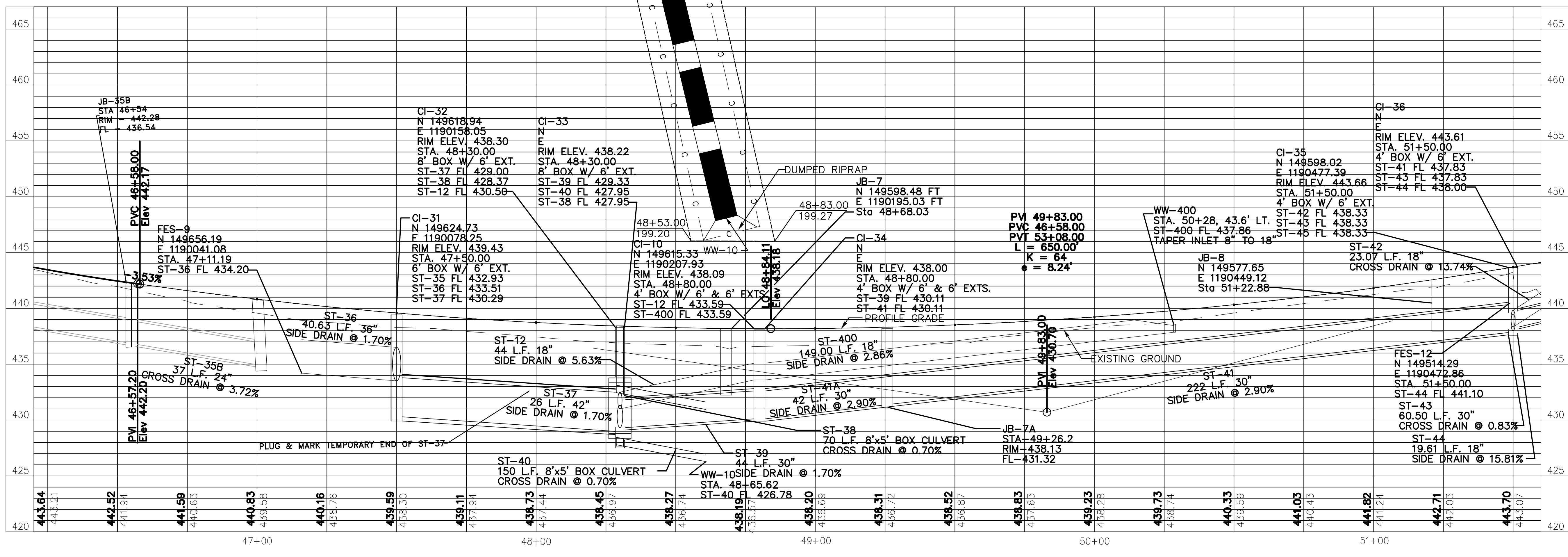
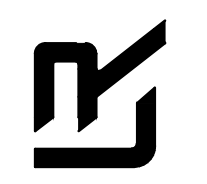




REVISIONS	DATE

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

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



DRAWN BY

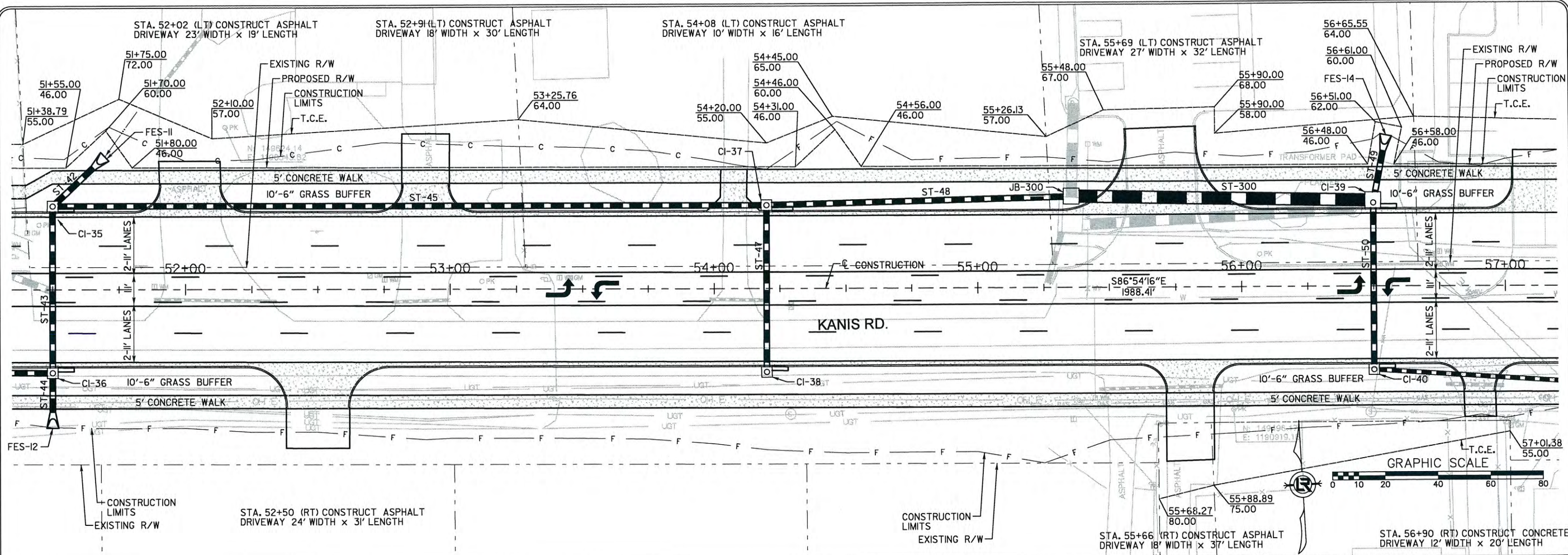
DESIGNED

CHECKED

DATE

SCALE
 1" = 40'

PROJECT NO.
 13-B-SD-6A
 SHEET NO.
C-94A



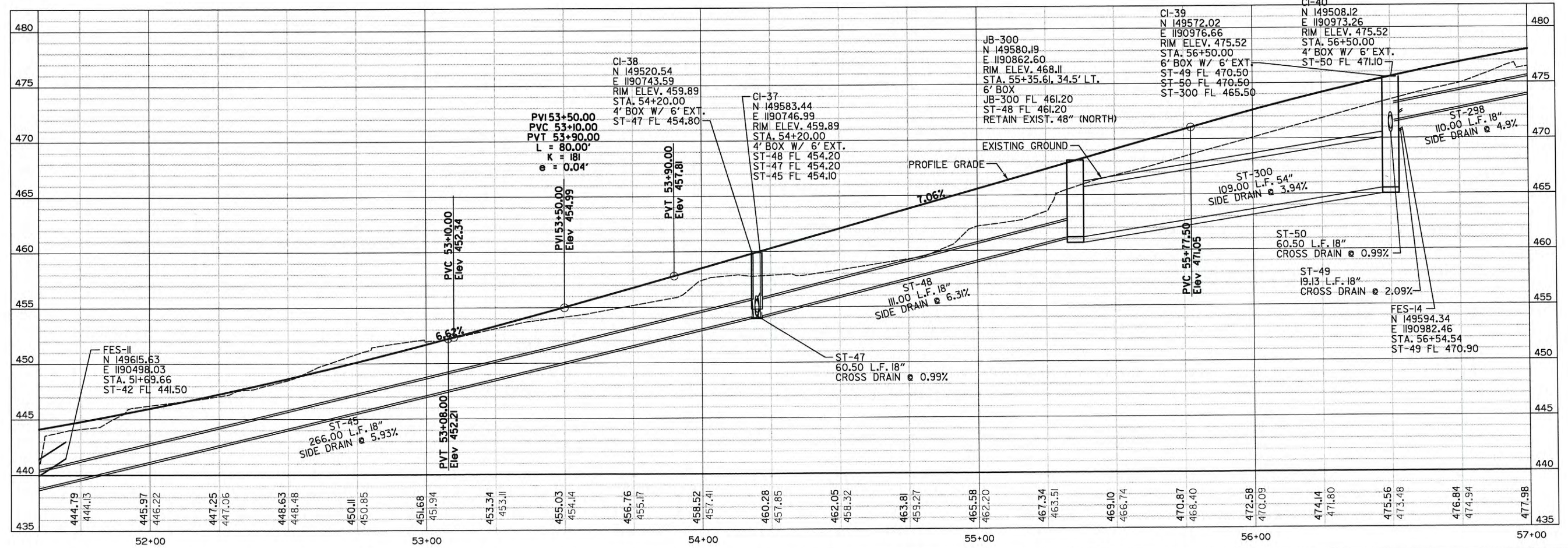
REVISIONS	DATE

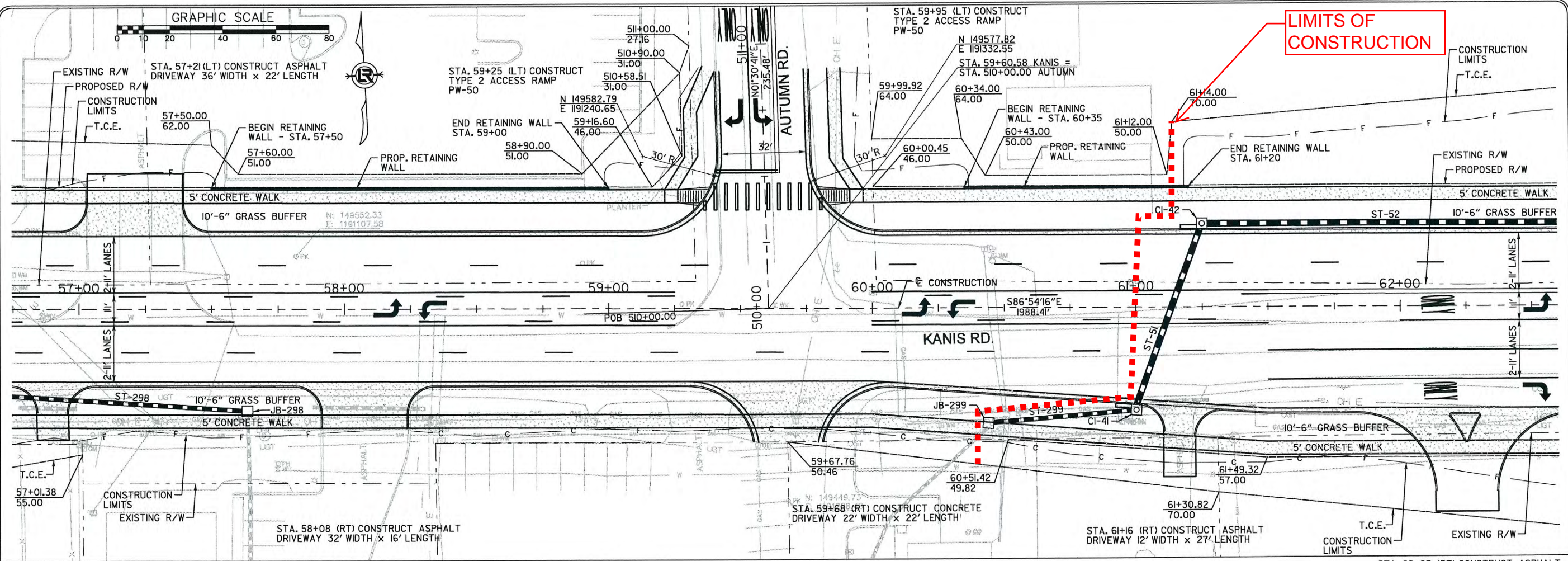
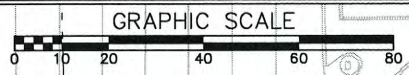
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD
 PLAN & PROFILE
 KANIS ROAD SHEET 9

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

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

DRAWN BY
 RFR
 DESIGNED
 RFR
 CHECKED
 KGT
 DATE
 2/24/17
 SCALE
 1" = 40'
 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-95






LIMITS OF CONSTRUCTION

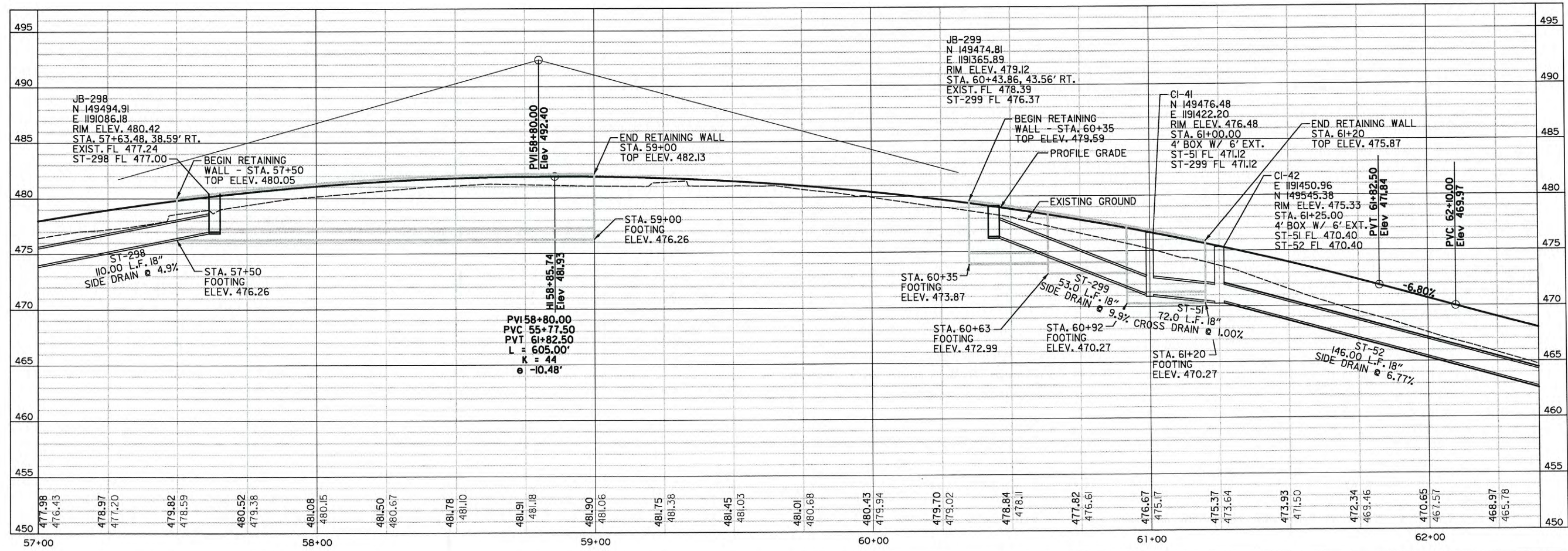
REVISIONS	DATE

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

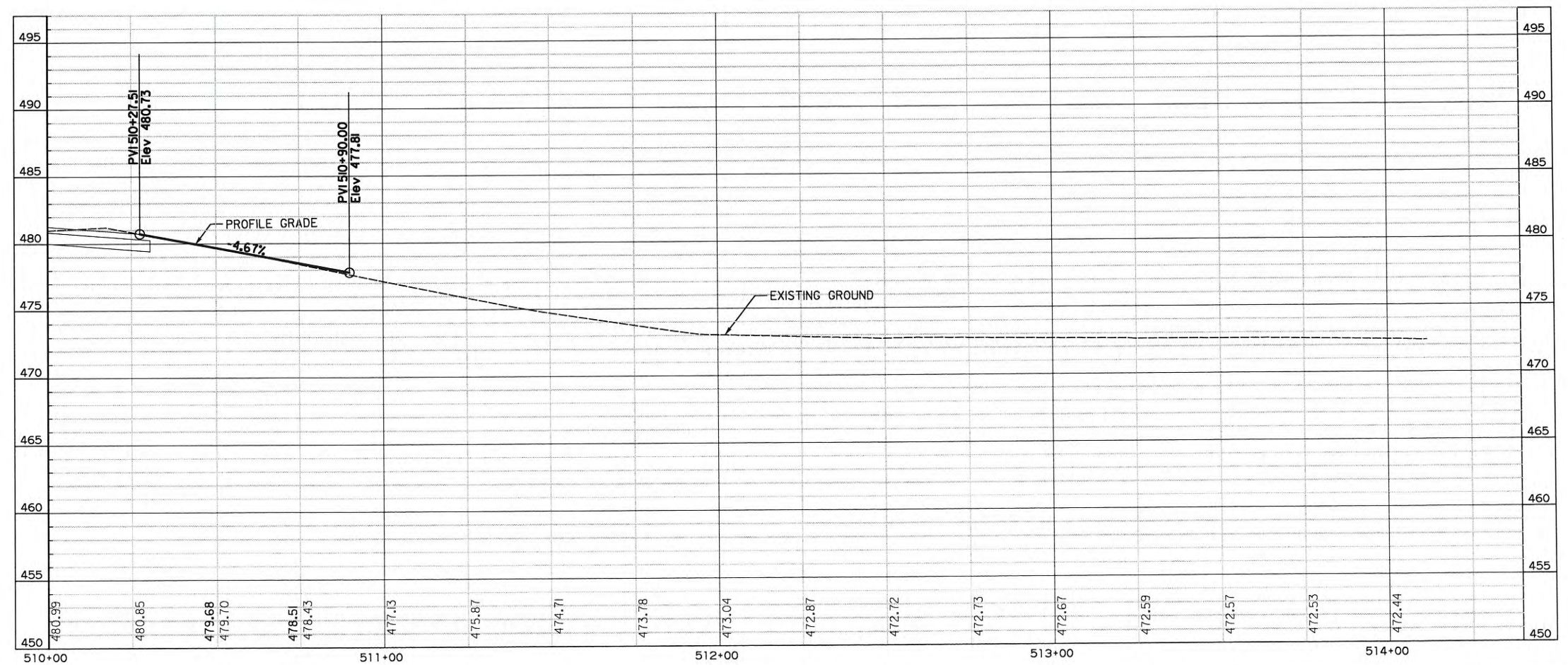
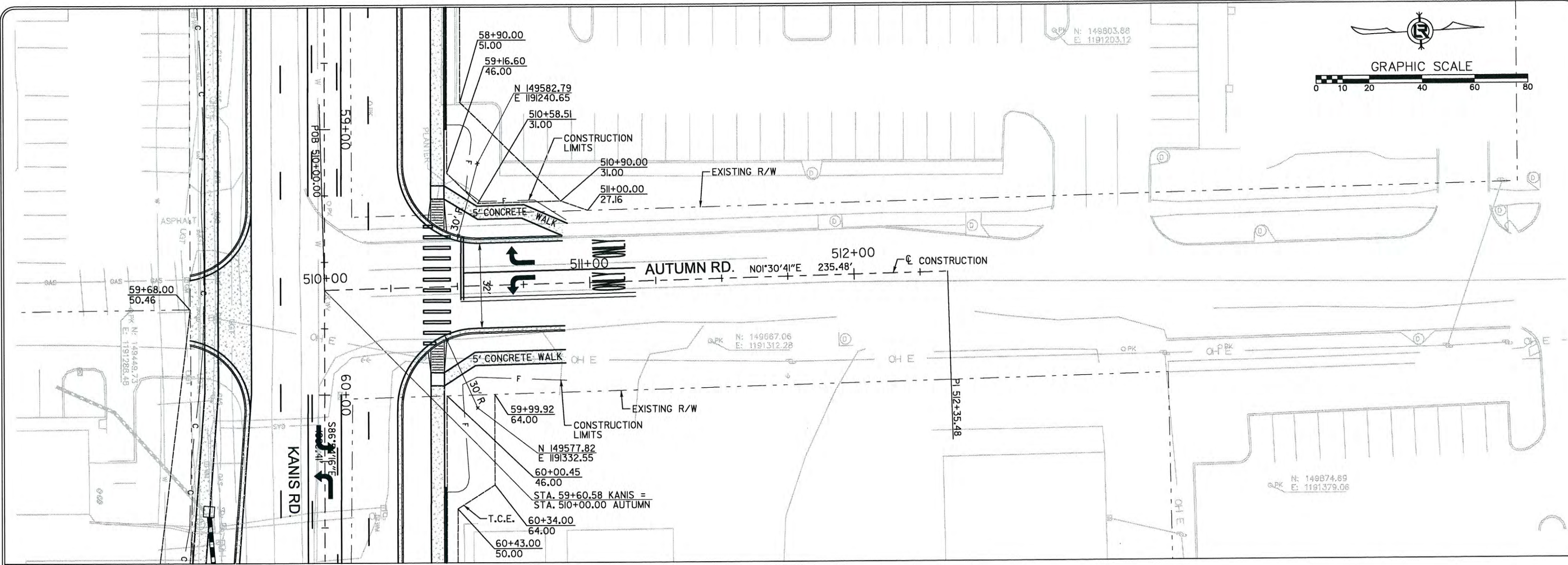

 DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS

 REGISTERED PROFESSIONAL ENGINEER
 No. 11427
 EVIN G. TOBLESKY




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
 AUTUMN ROAD


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

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

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

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



3-15-17

DRAWN BY

JAB

DESIGNED

RFR

CHECKED

KGJ

DATE

2/24/17

SCALE

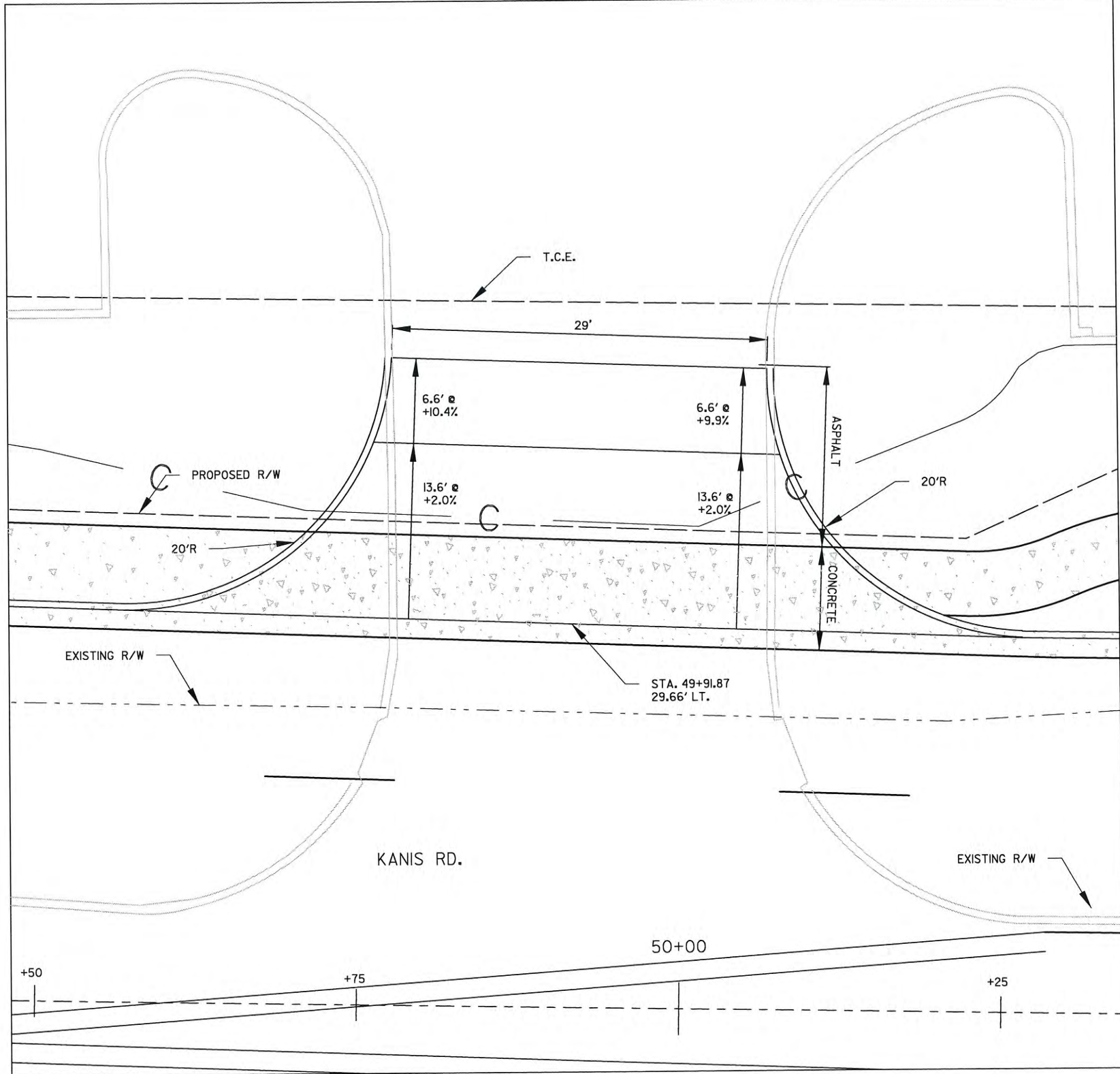
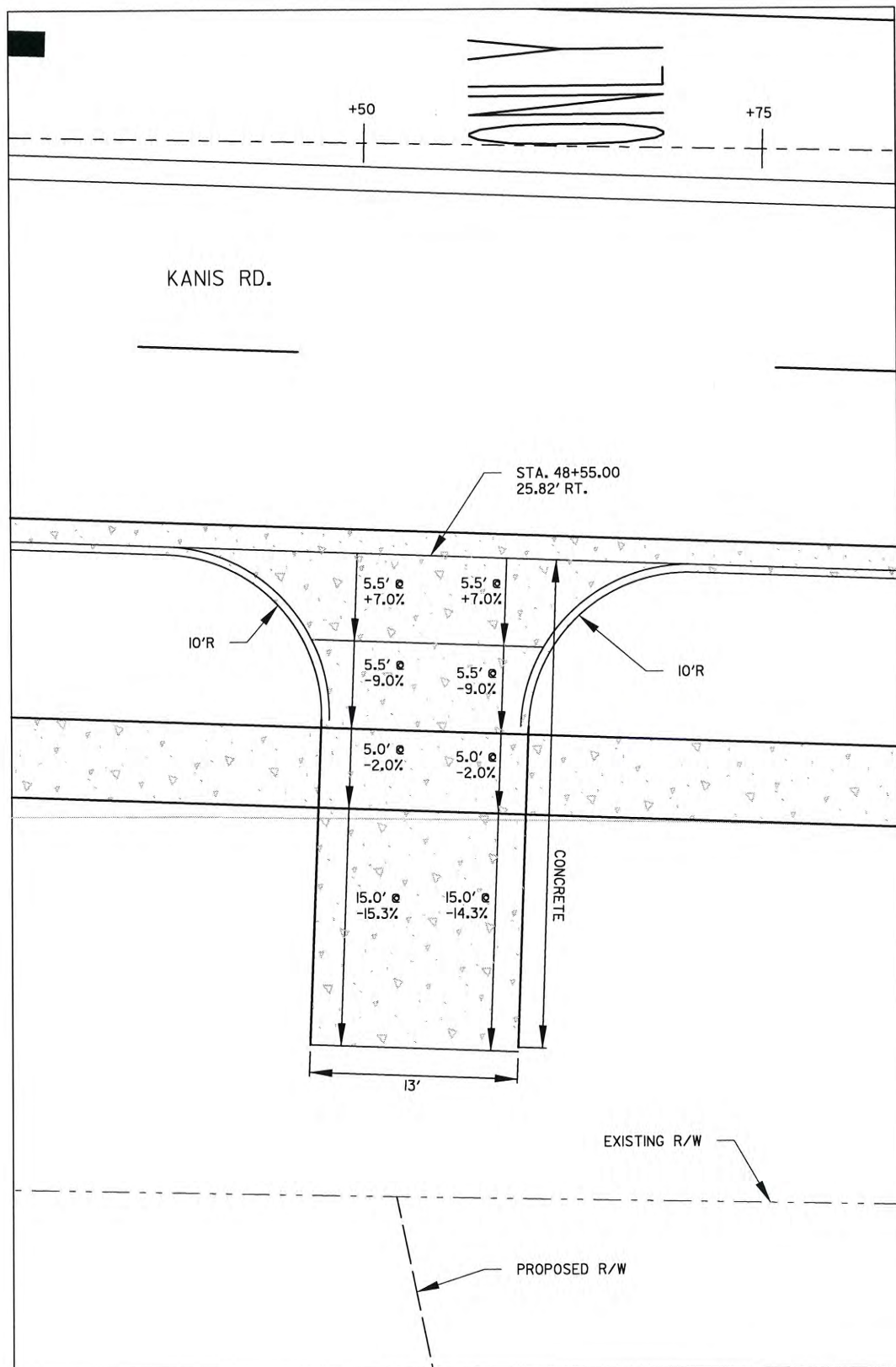
1" = 10'

PROJECT NO.

13-B-5D-6A

SHEET NO.


C-125



REVISIONS	DATE

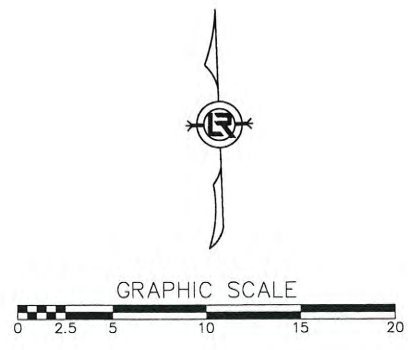
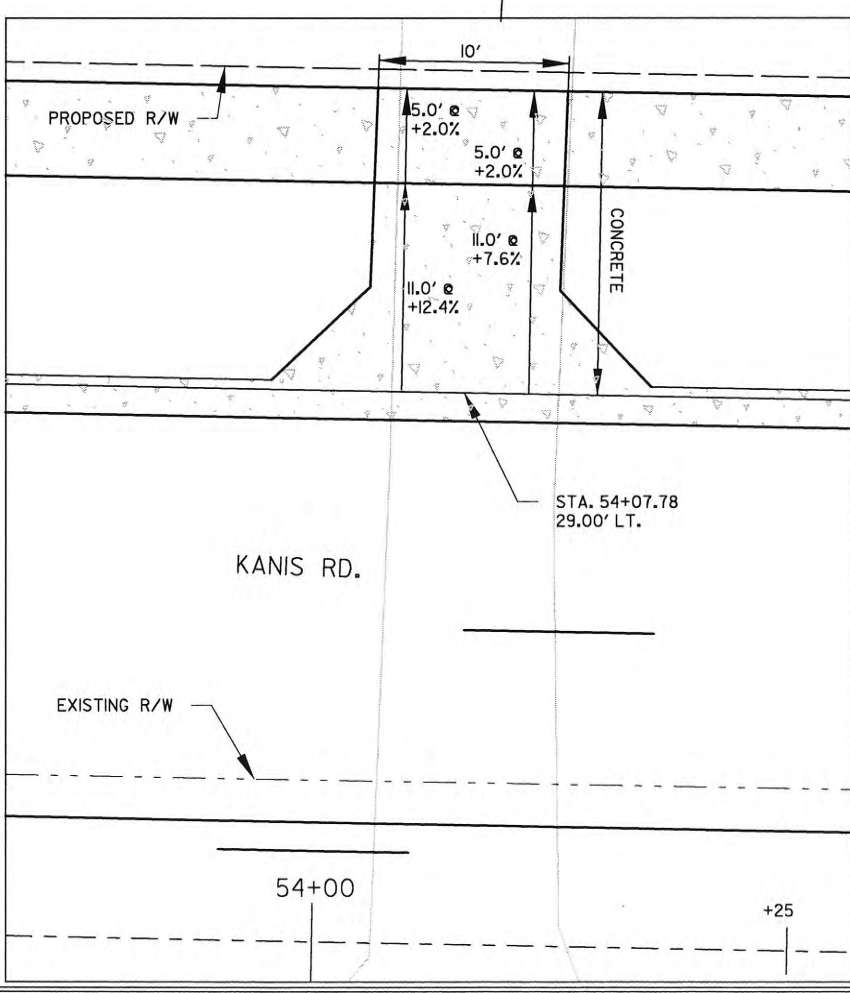
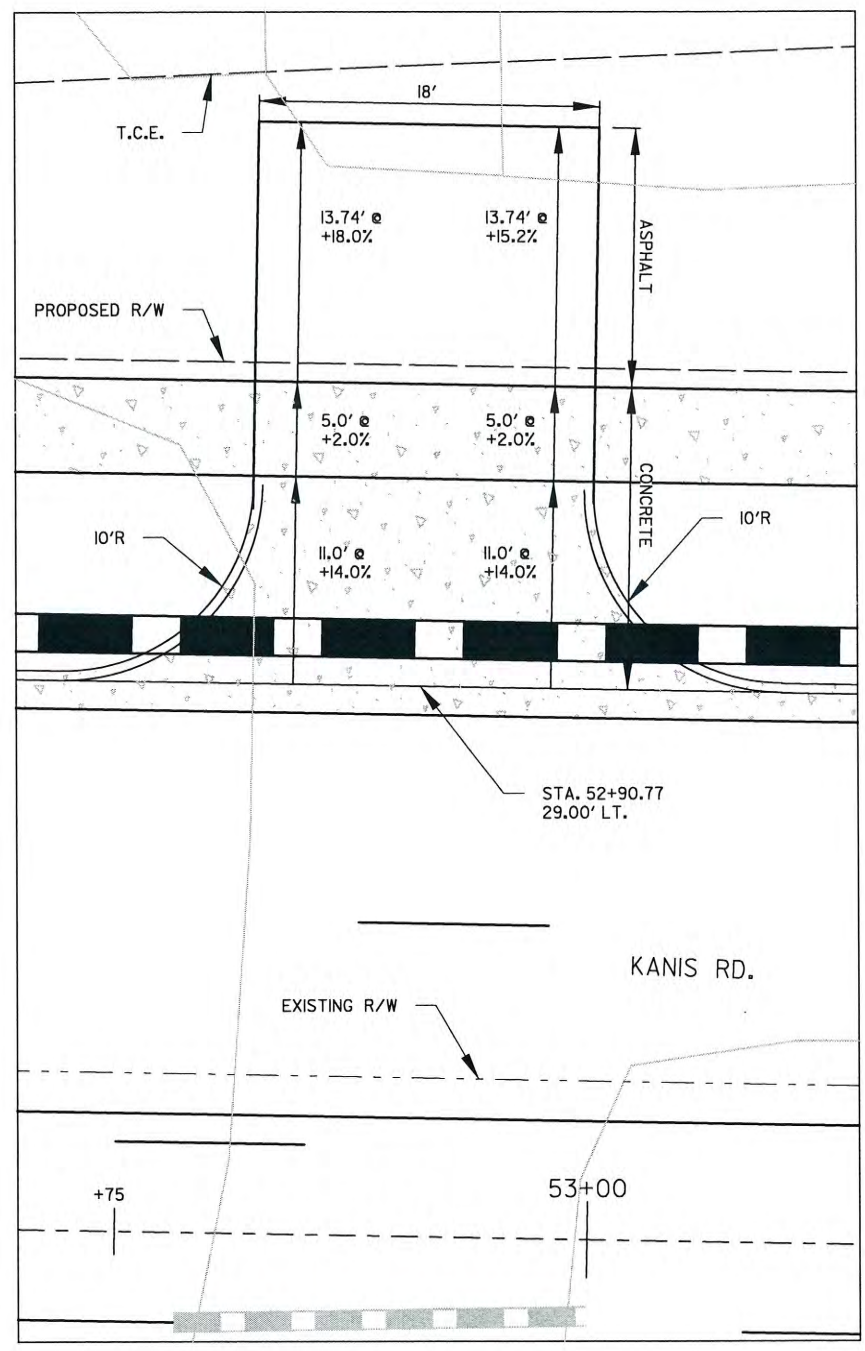
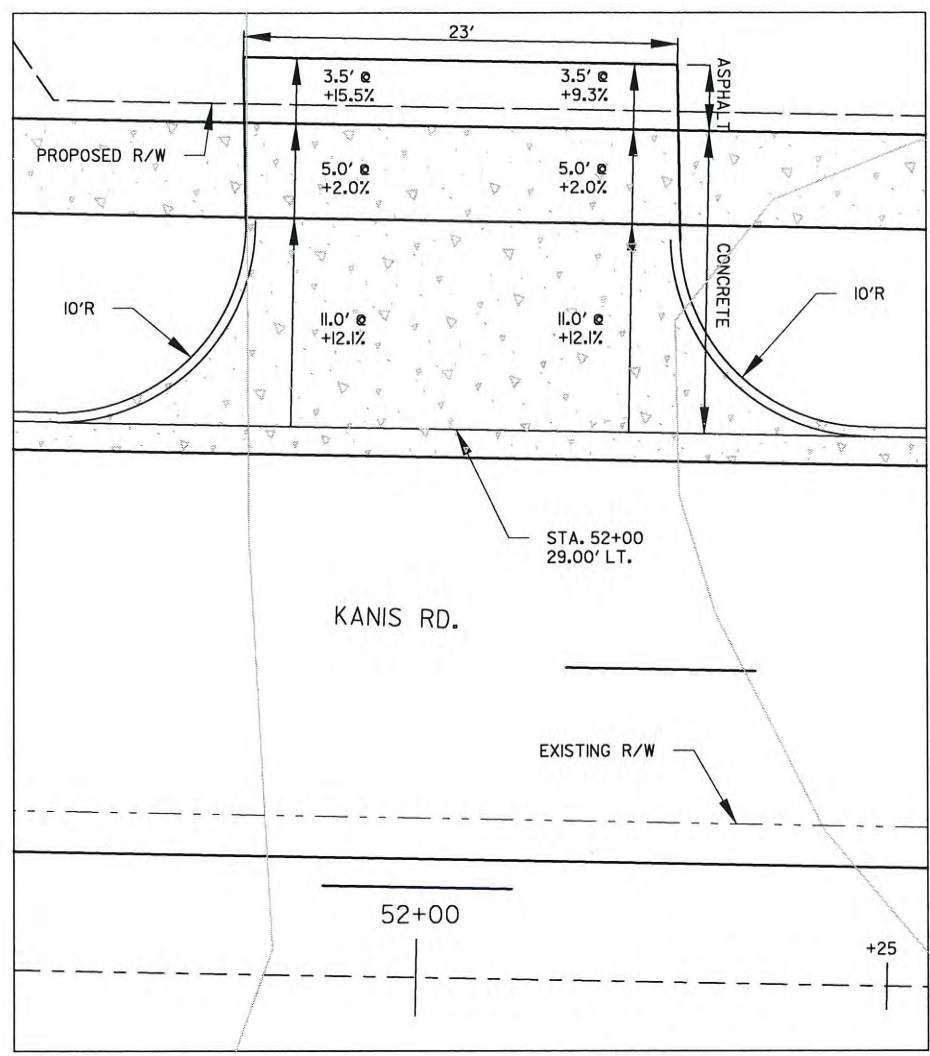
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD
 KANIS RD.
 DRIVEWAY DETAIL SHEET 9

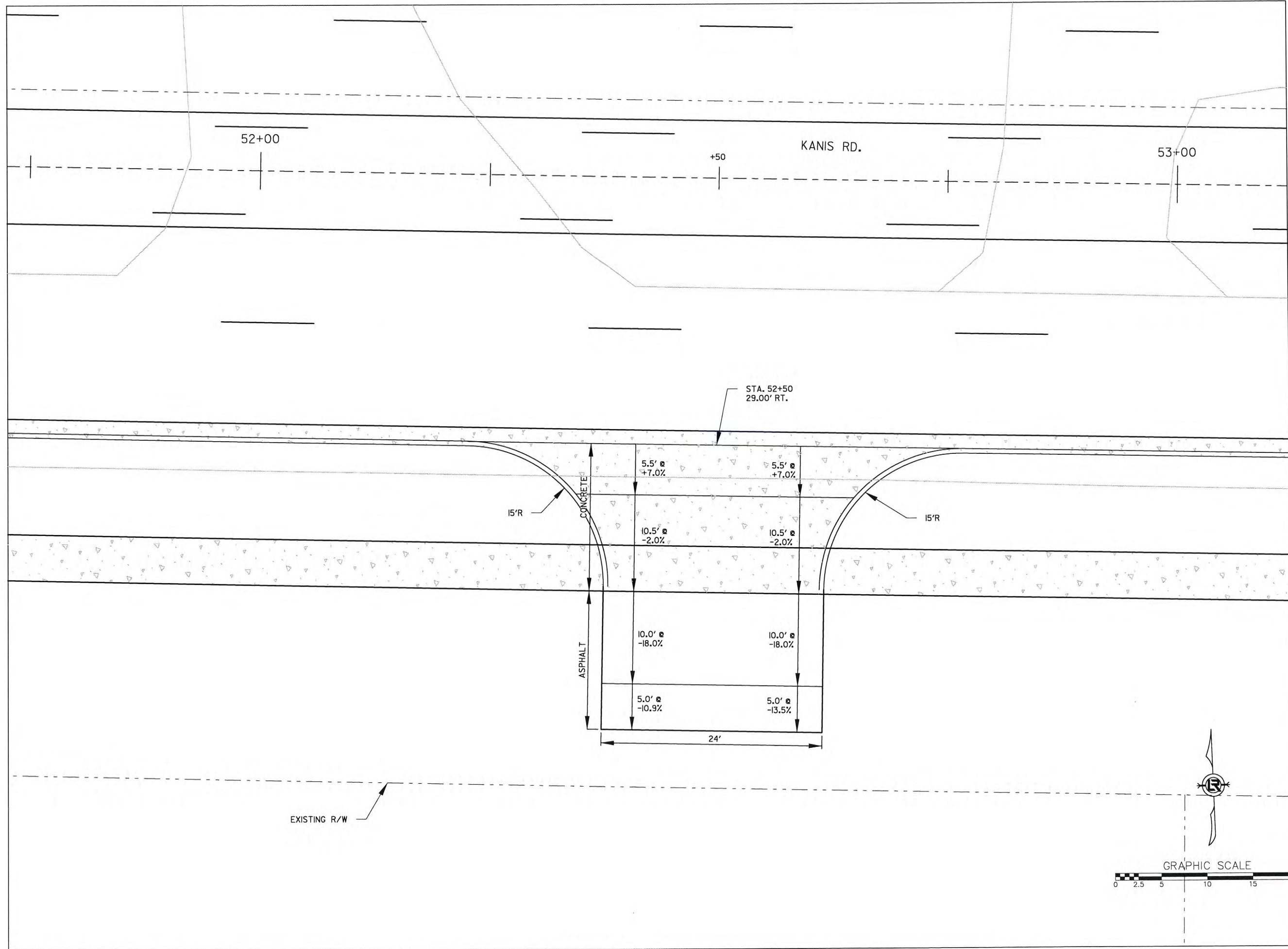
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201




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

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-126





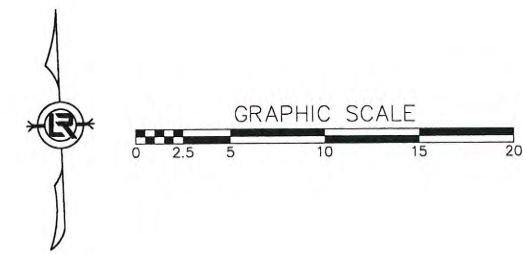
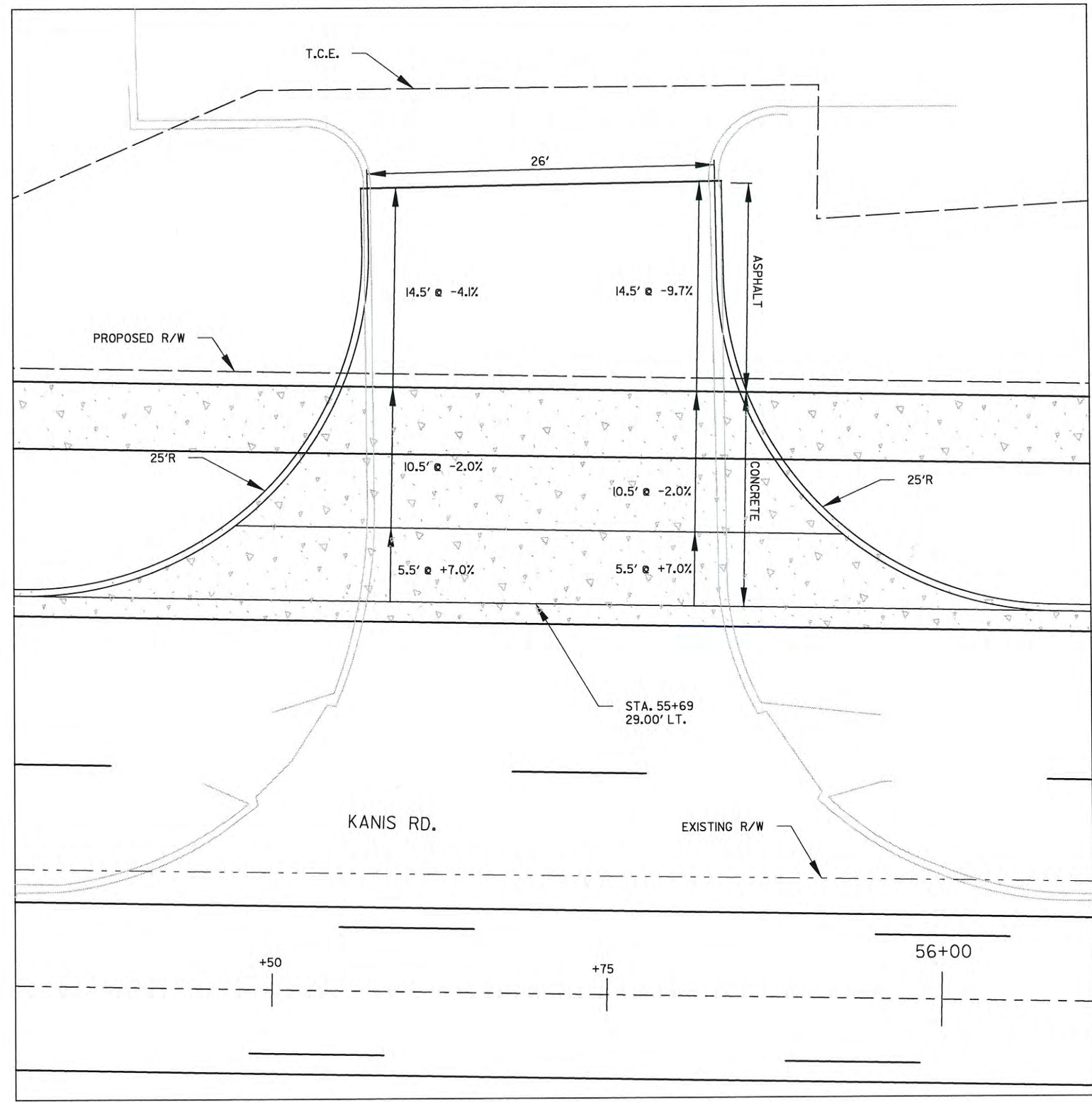
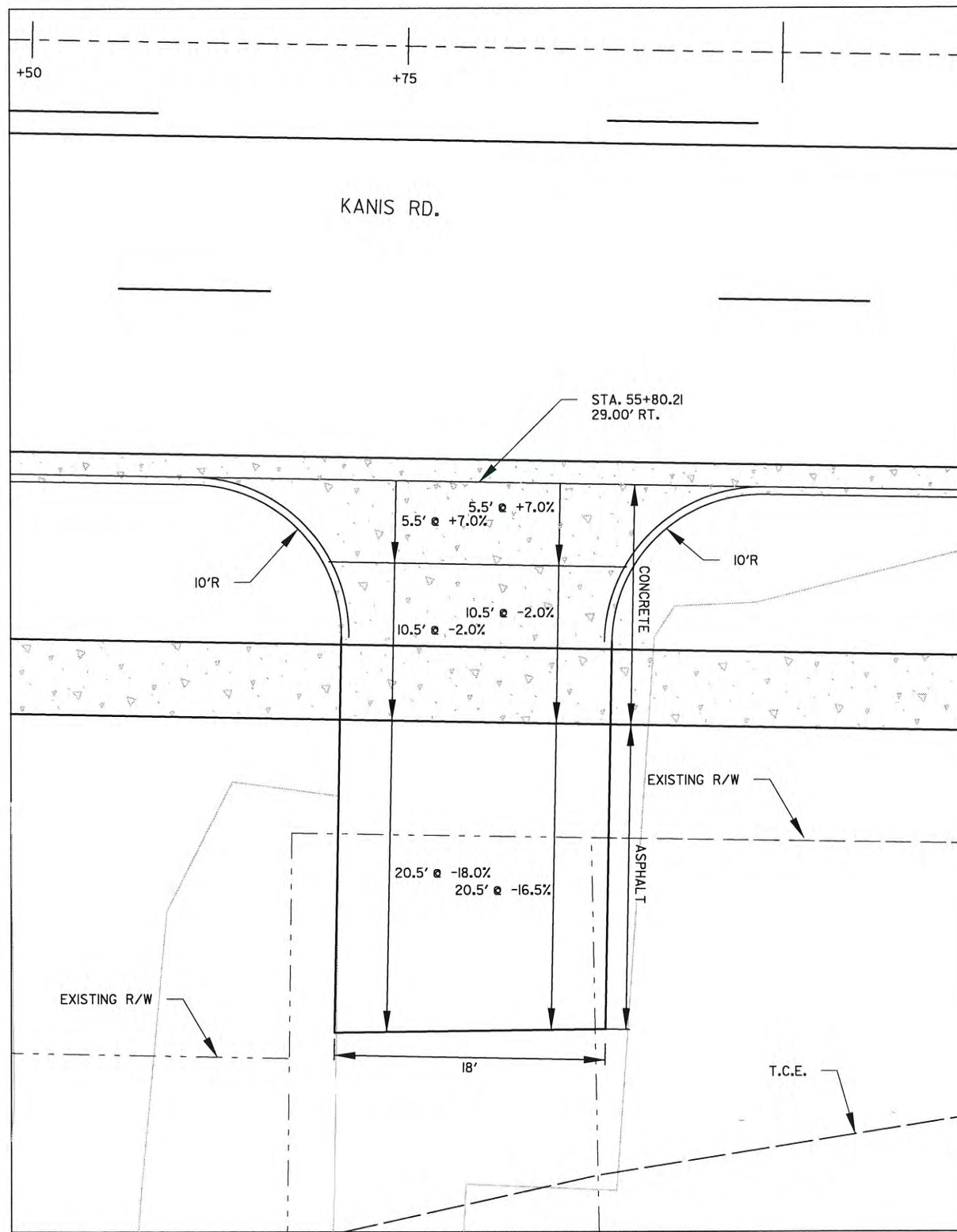
REVISIONS	DATE

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
 KEVIN 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



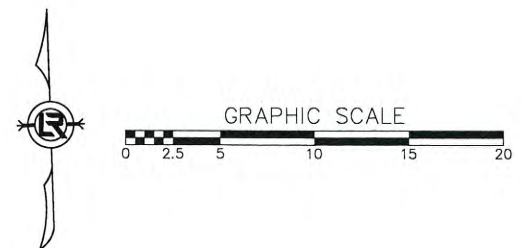
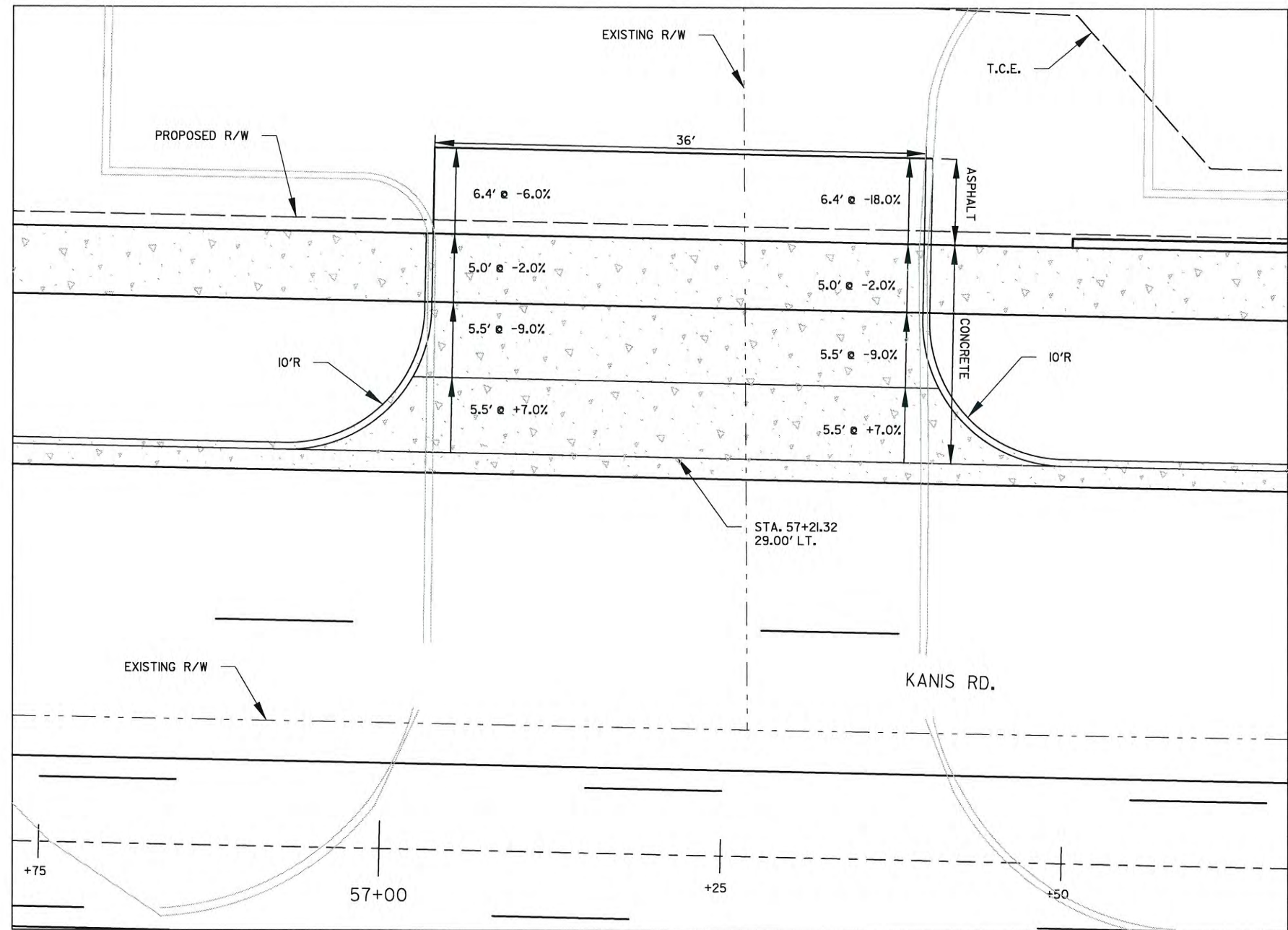
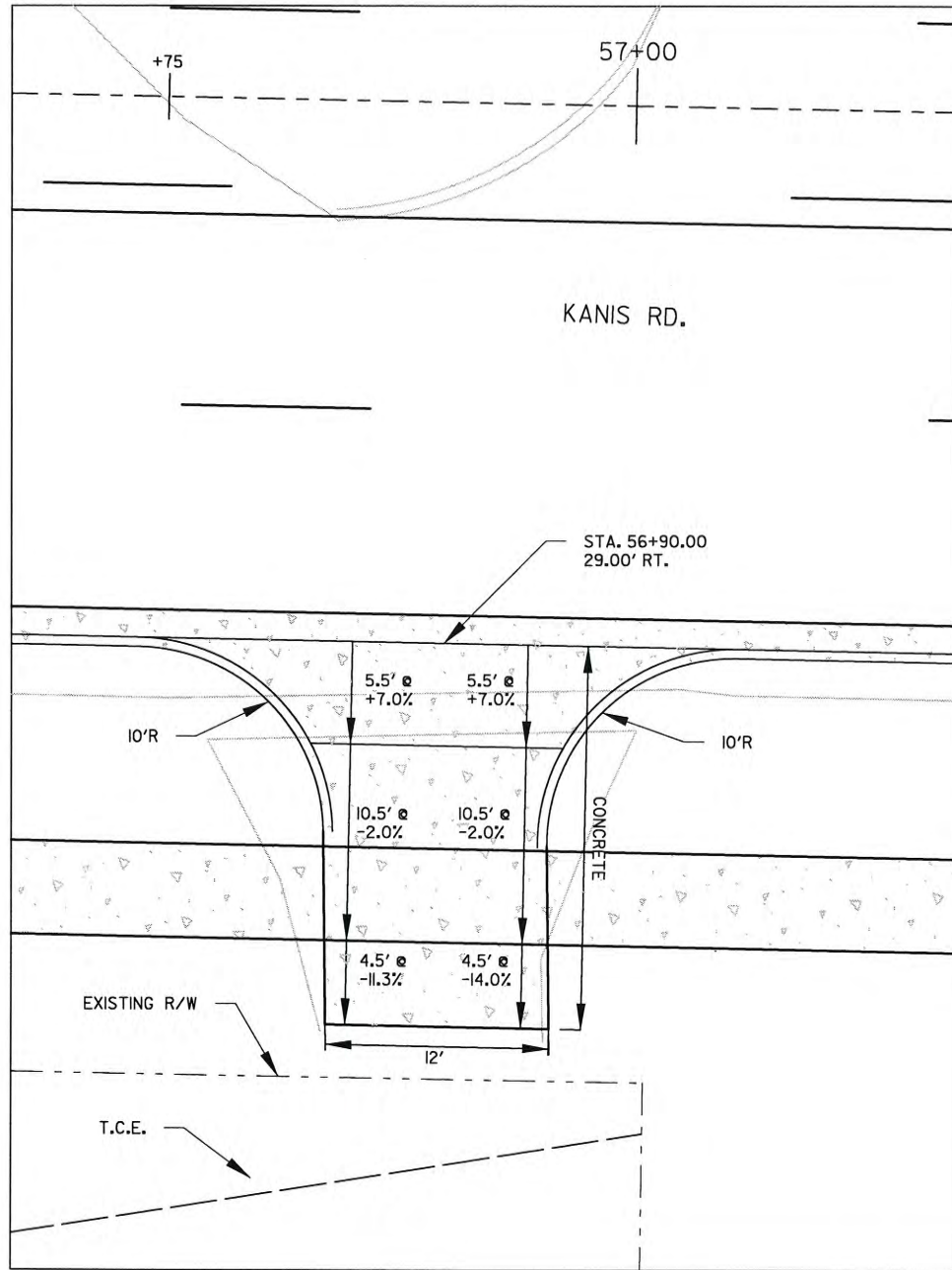
REVISIONS	DATE

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. TOBIAS

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

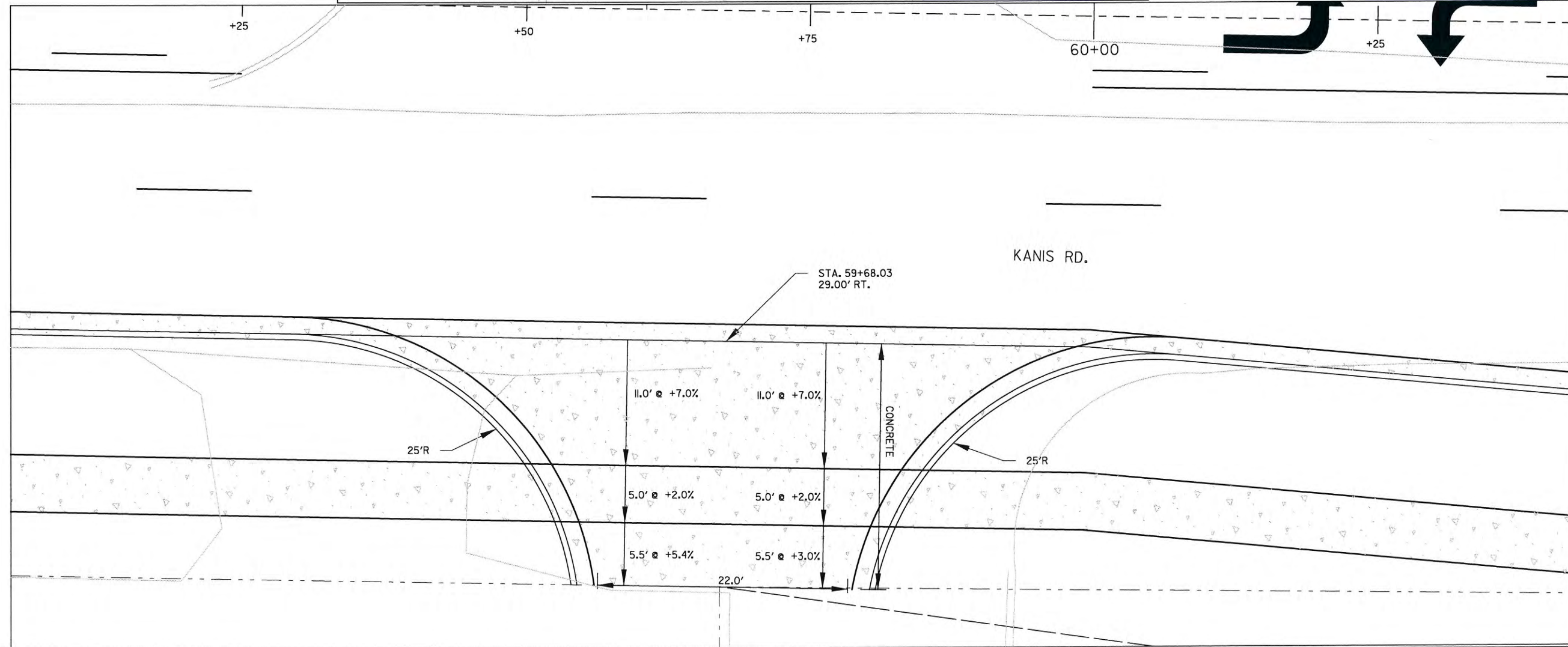
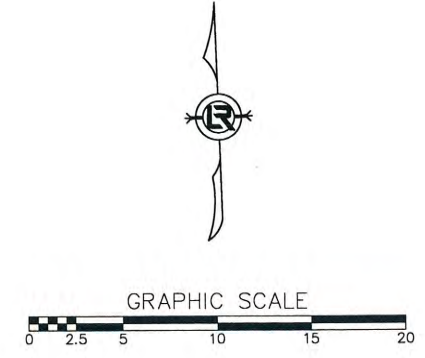
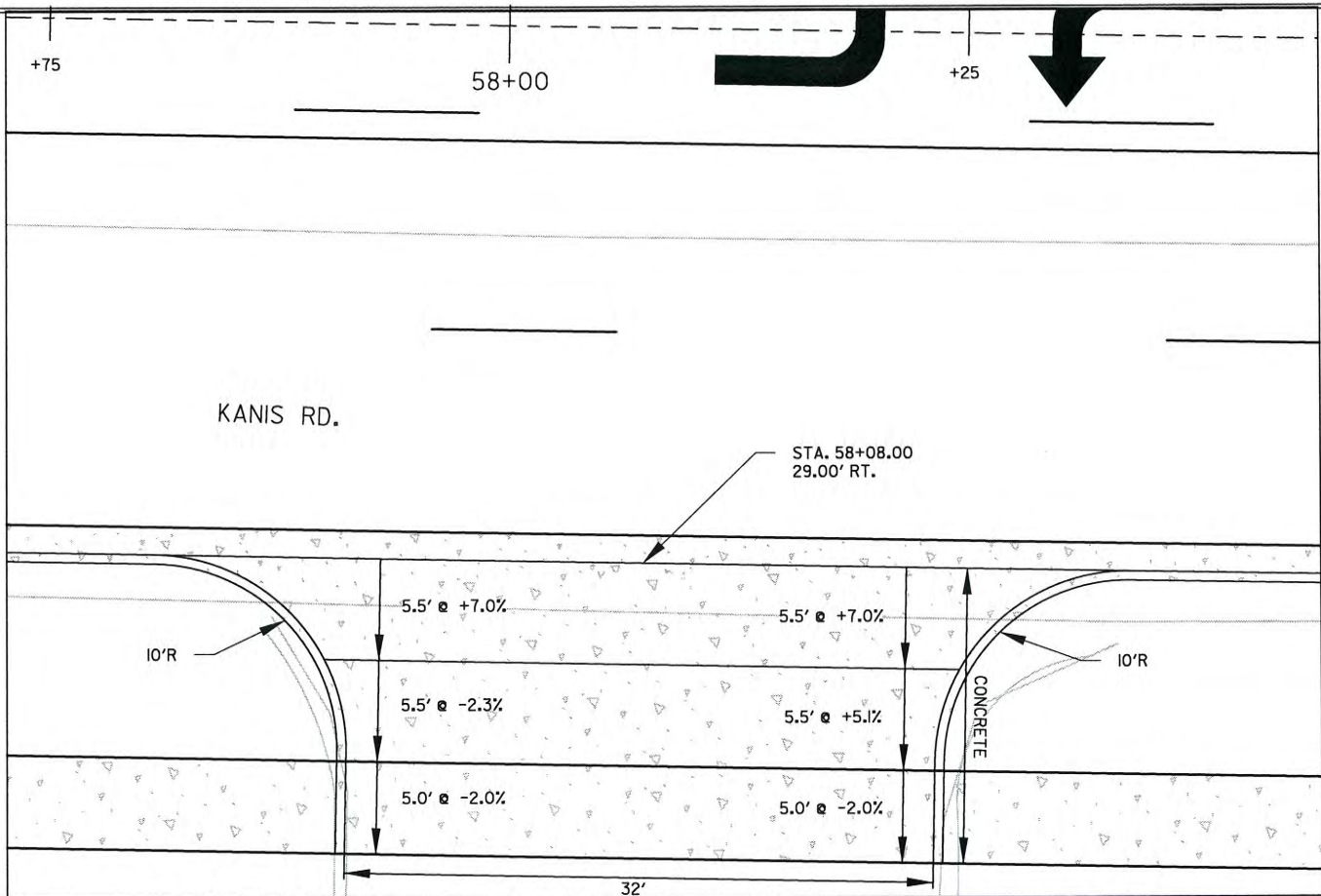
REVISIONS	DATE

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
 LEVIN 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


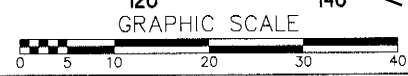
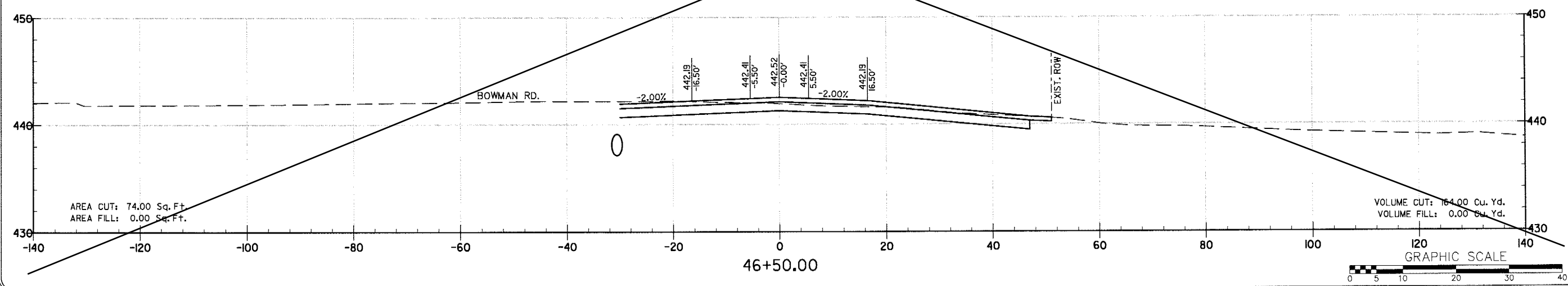
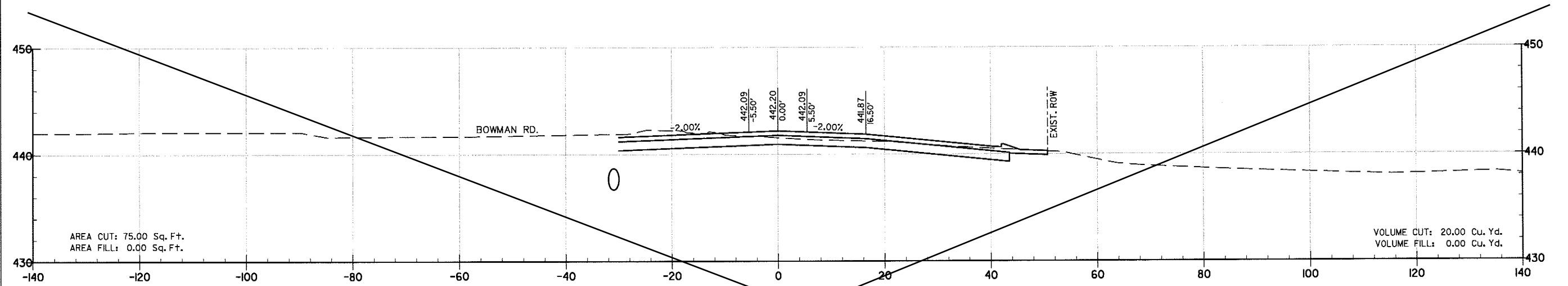


REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 KANIS ROAD
 CROSS SECTIONS
 KANIS ROAD



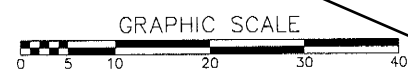
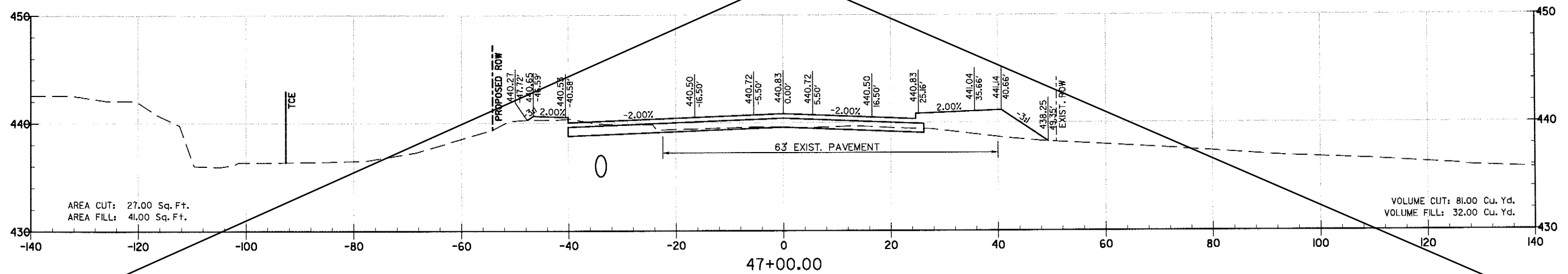
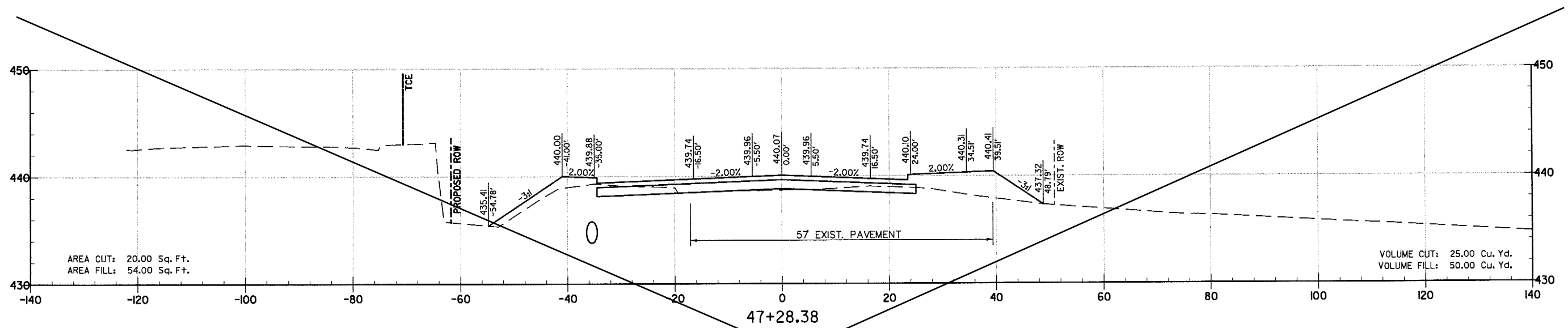
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201

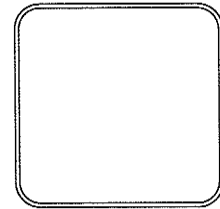
DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	2 / 24 / 17
SCALE	1" = 20'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-173

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 KANIS ROAD
 CROSS SECTIONS
 KANIS ROAD



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

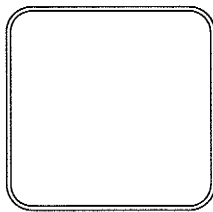


DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	2 / 24 / 17
SCALE	1" = 20'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-174

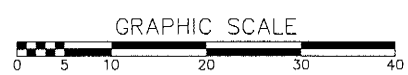
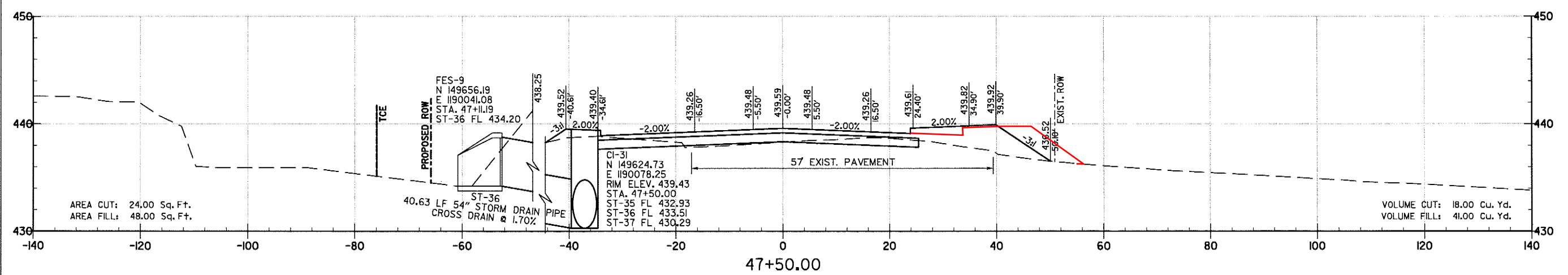
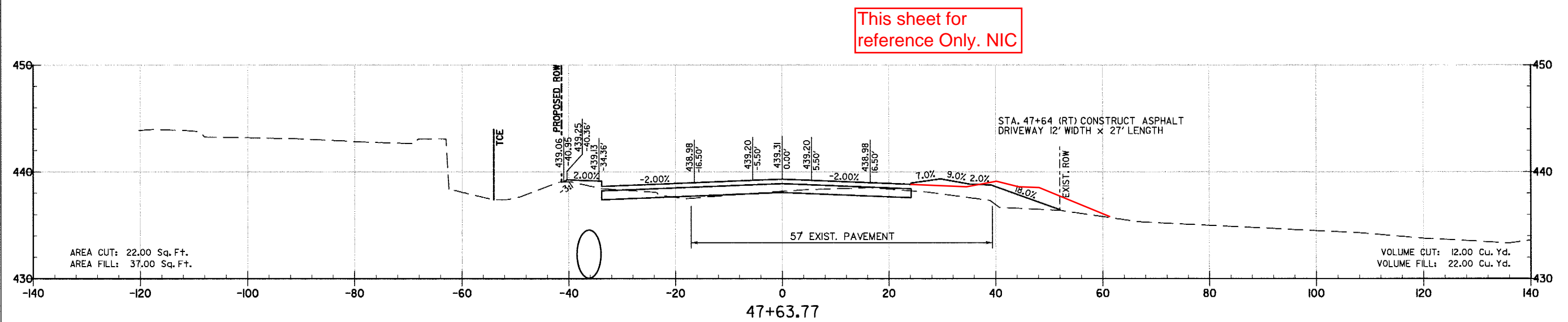
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 KANIS ROAD
 CROSS SECTIONS
 KANIS ROAD

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



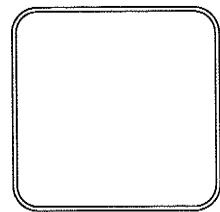
DRAWN BY
 RFR
 DESIGNED
 RFR
 CHECKED
 KGT
 DATE
 2/24/17
 SCALE
 1" = 20'
 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-175



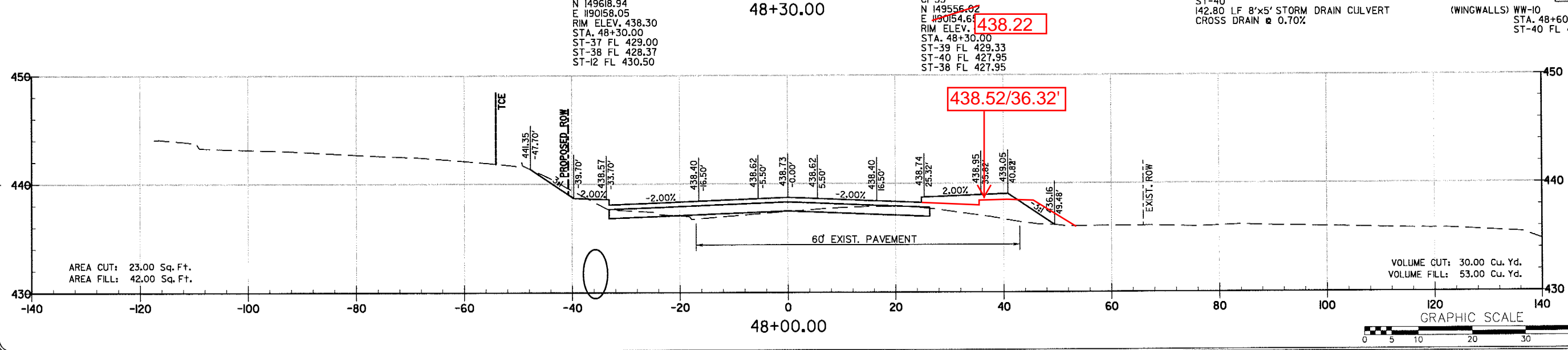
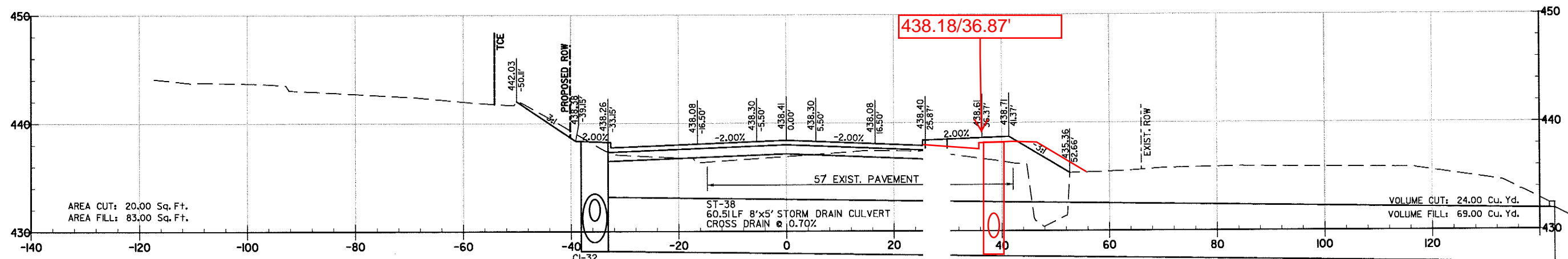
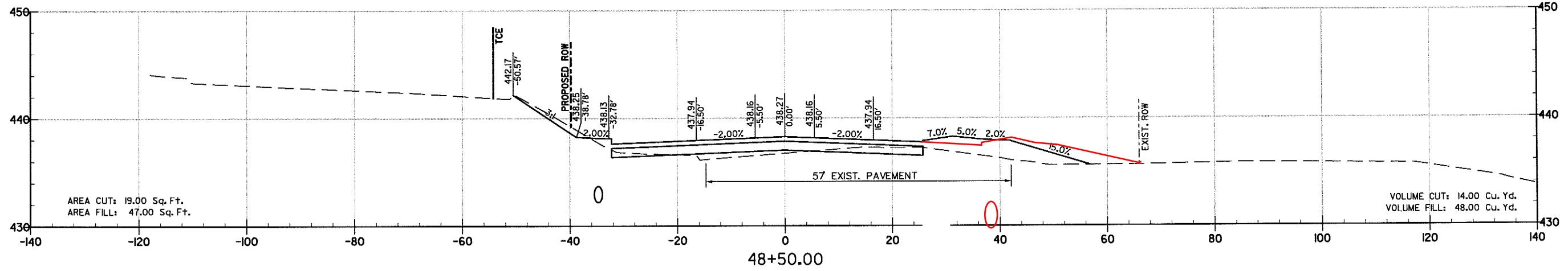
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD
CROSS SECTIONS
KANIS ROAD

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" = 20'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-176



CI-32
N 149618.94
E 190158.05
RIM ELEV. 438.30
STA. 48+30.00
ST-37 FL 429.00
ST-38 FL 428.37
ST-I2 FL 430.50


CI-33
N 149556.02
E 190154.61
RIM ELEV. 438.22
STA. 48+30.00
ST-39 FL 429.33
ST-40 FL 427.95
ST-38 FL 427.95

ST-40
142.80 LF 8'x5' STORM DRAIN CULVERT
CROSS DRAIN @ 0.70%
(WINGWALLS) WW-10
STA. 48+60.24
ST-40 FL 426.95


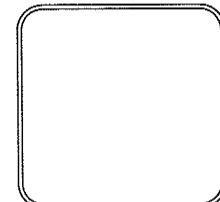


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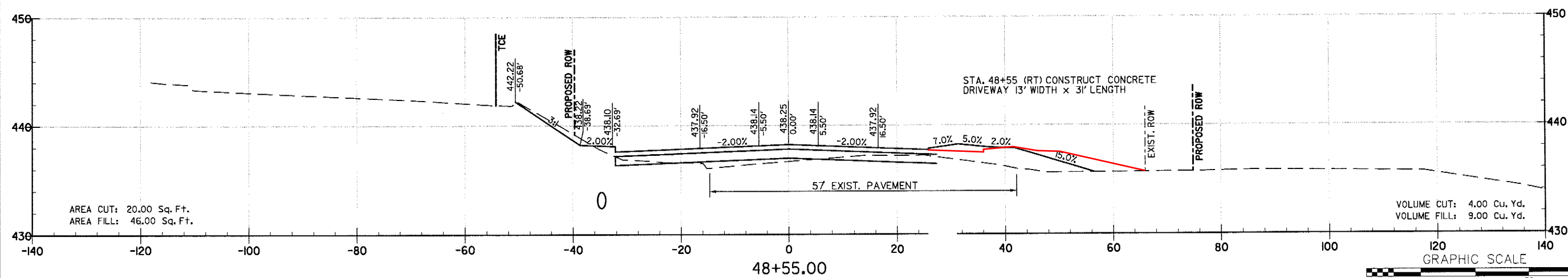
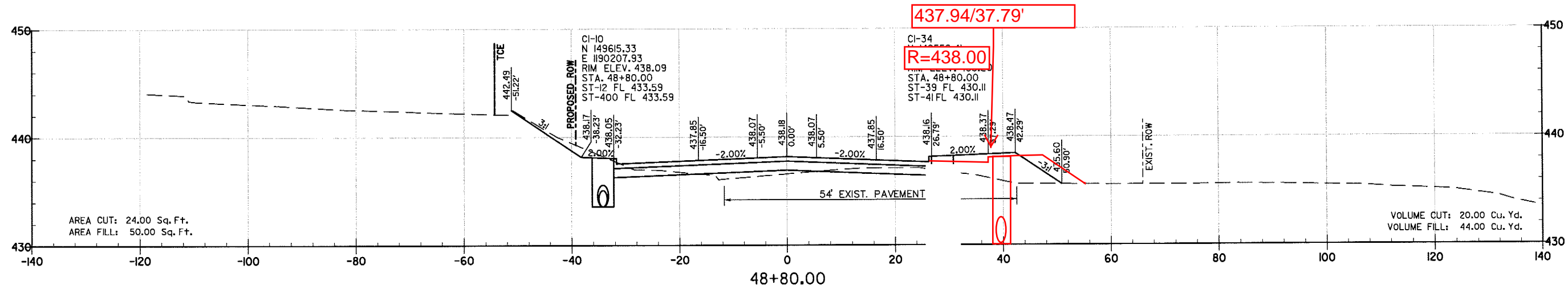
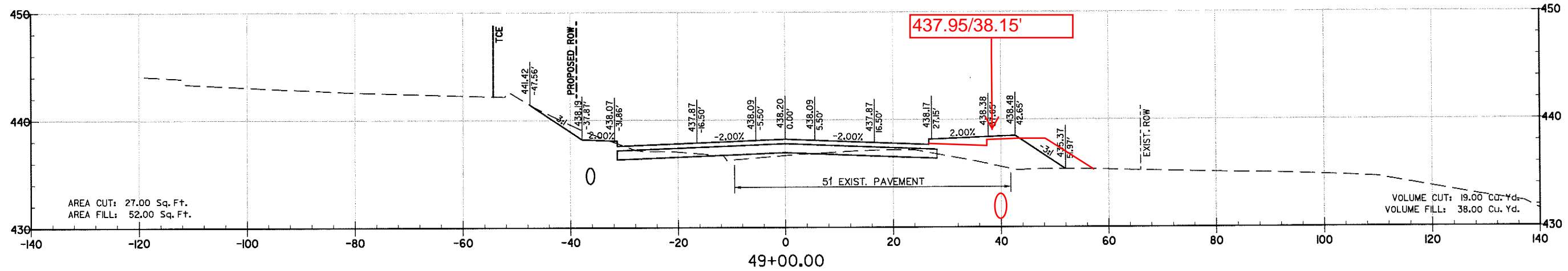
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD
 CROSS SECTIONS
 KANIS ROAD



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 701 W. MARKHAM
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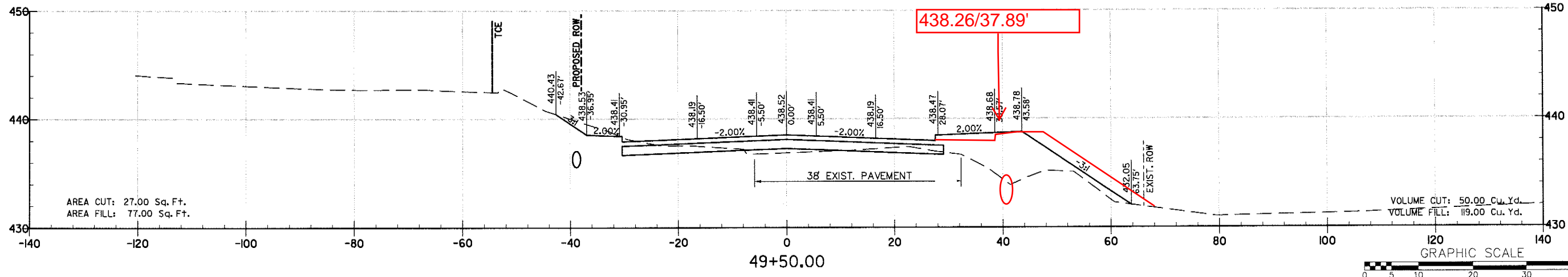
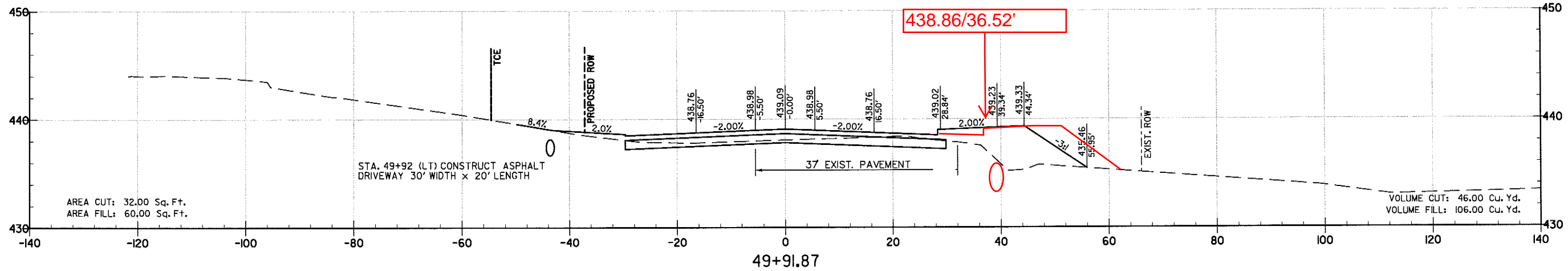
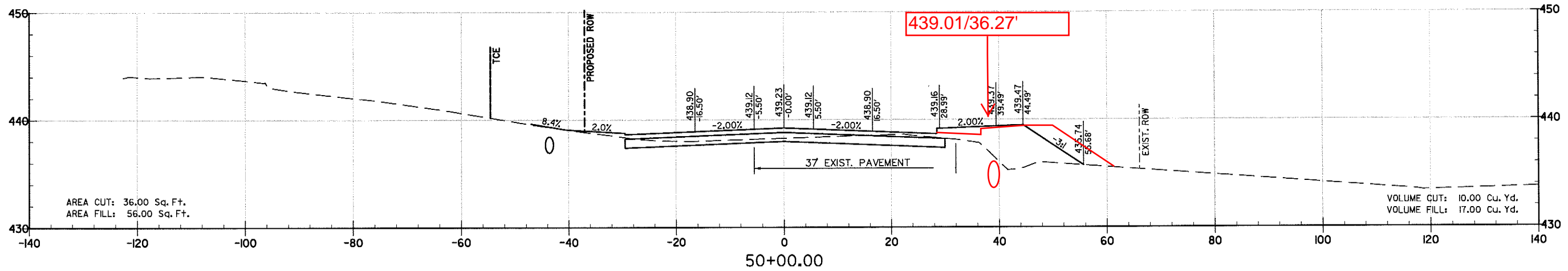



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PROJECT NO.	13-B-5D-6A
SHEET NO.	C-177

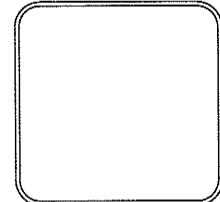


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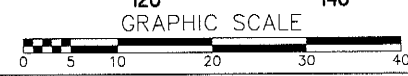
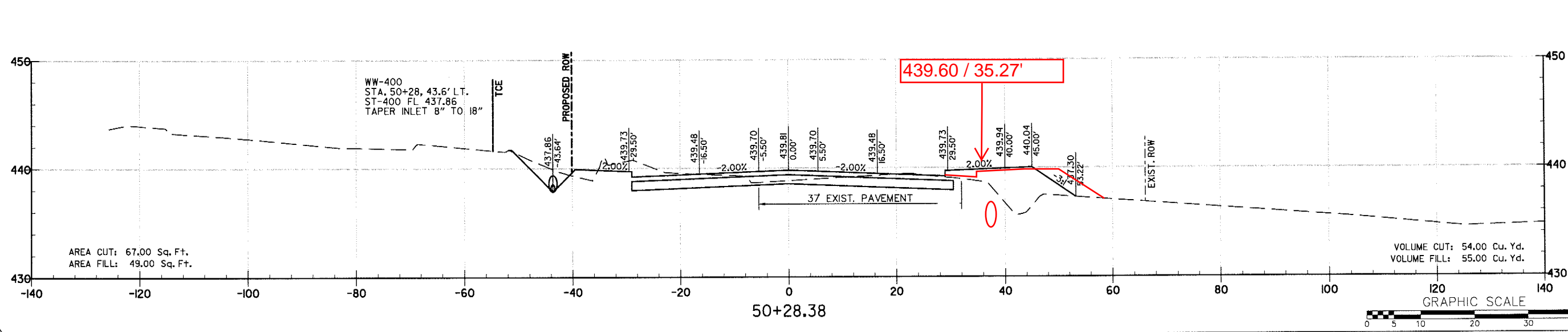
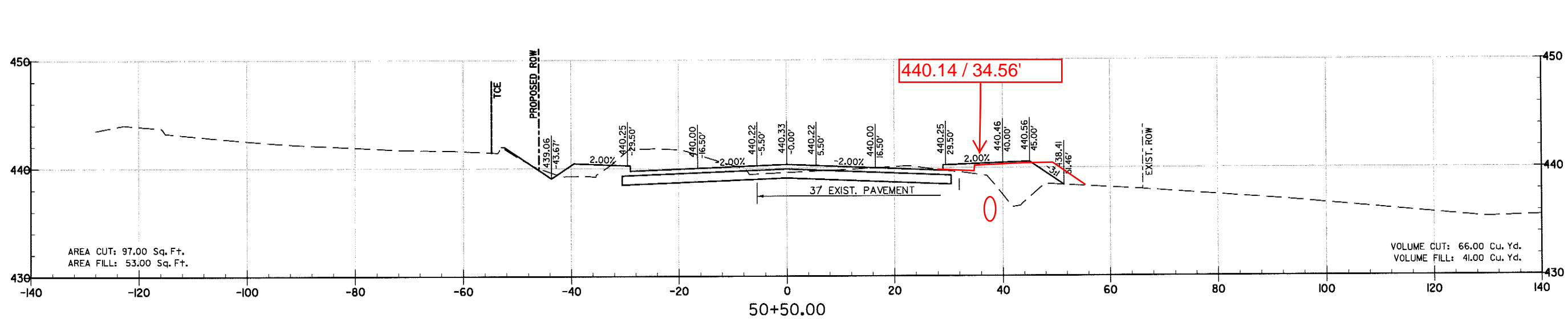
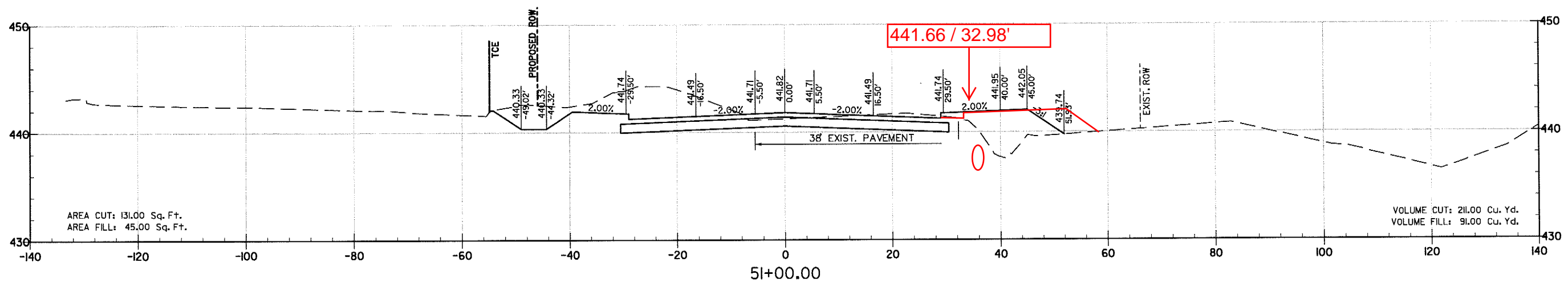
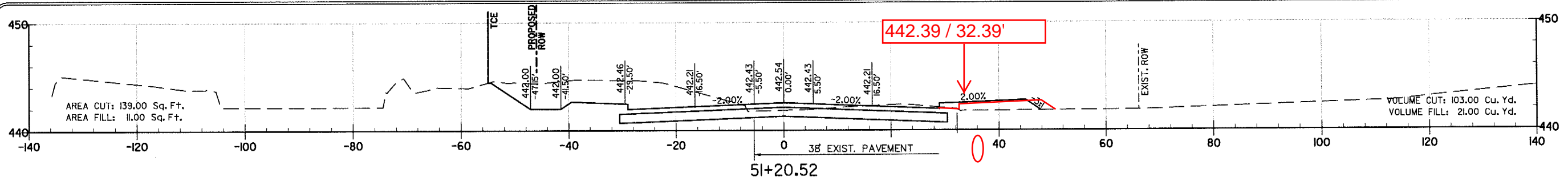
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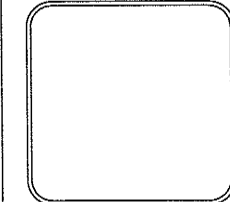
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 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-178



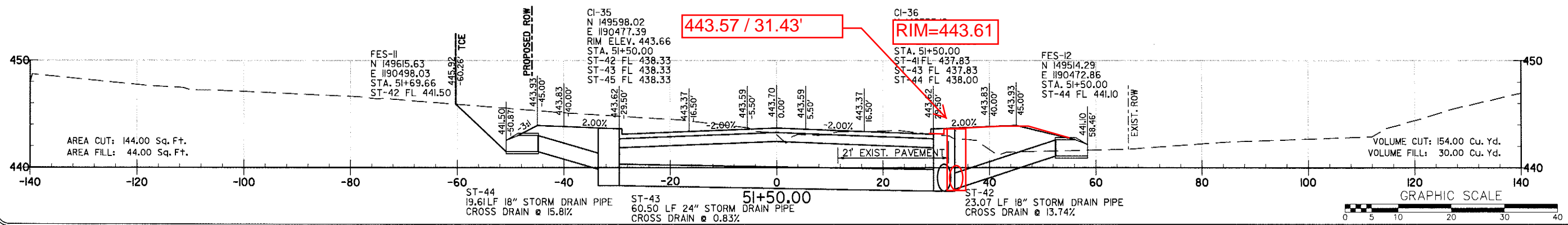
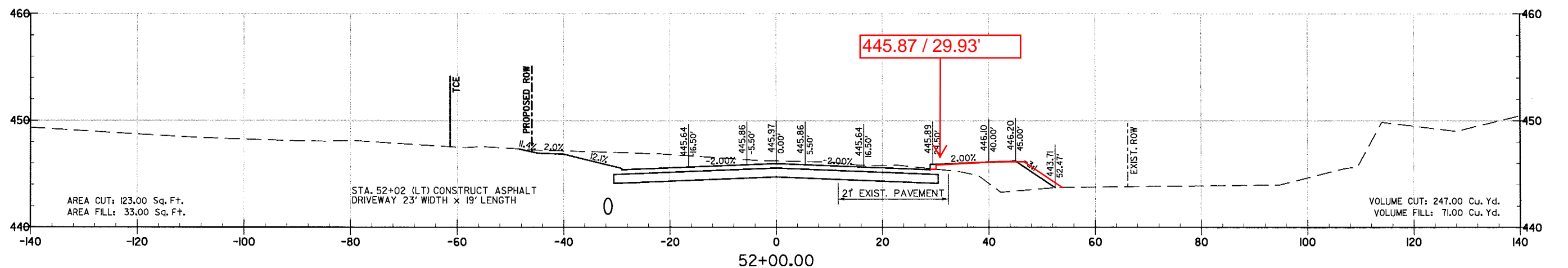
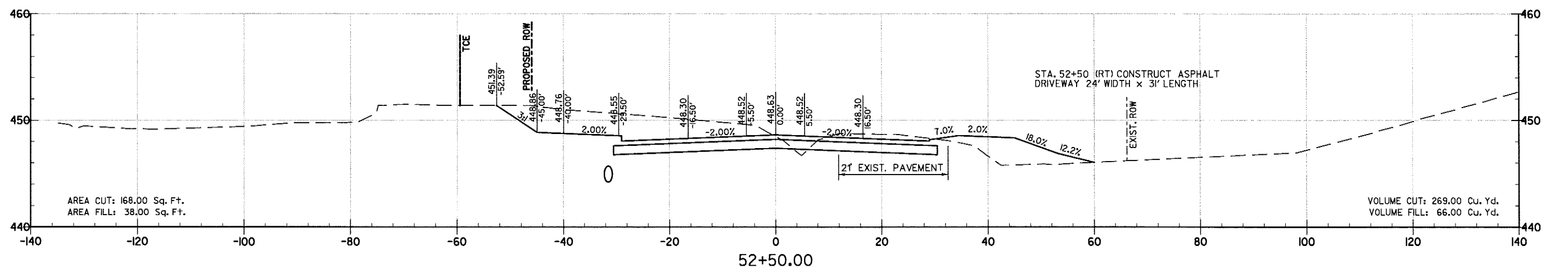
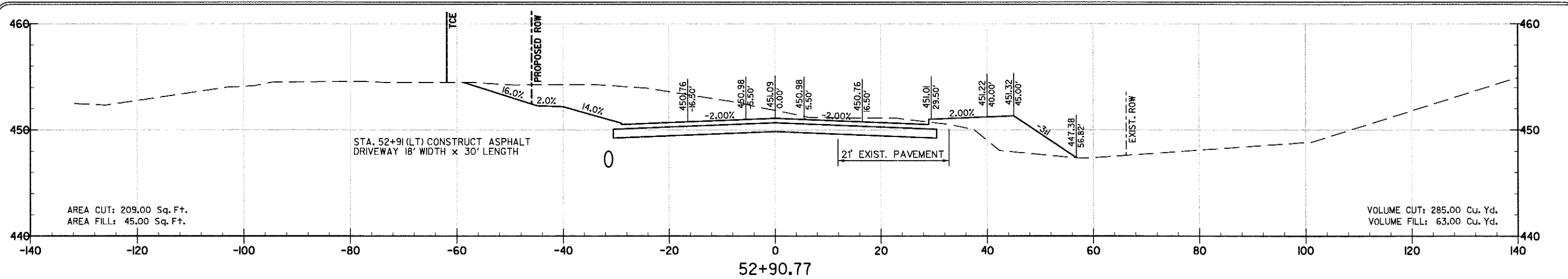
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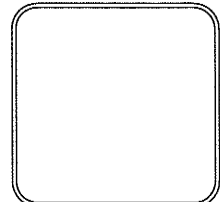
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 SHEET NO.
C-179



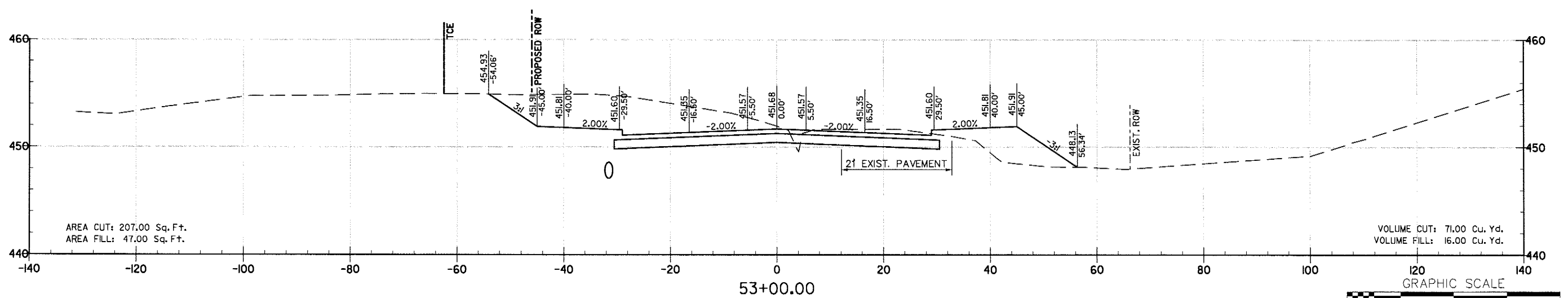
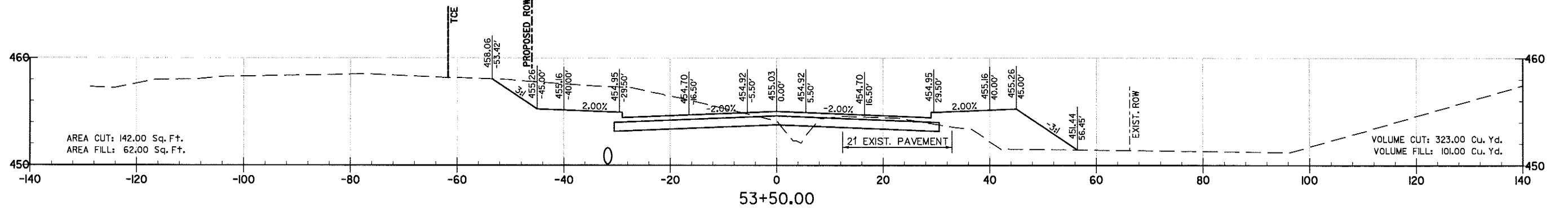
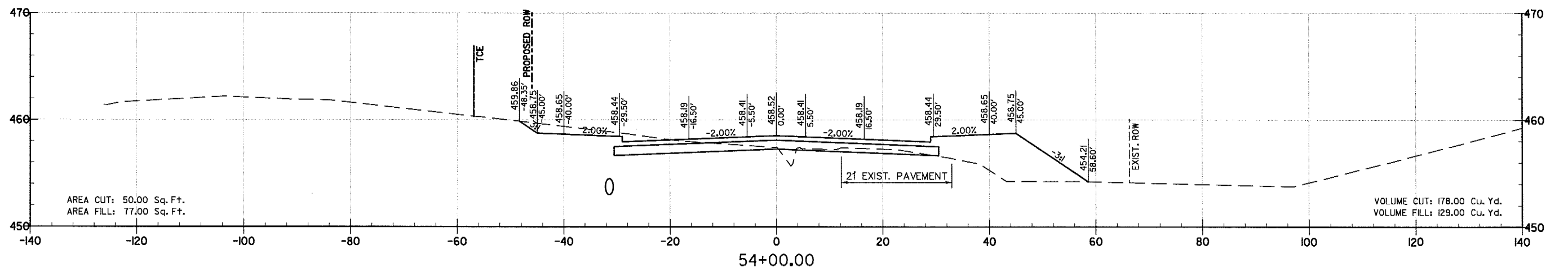
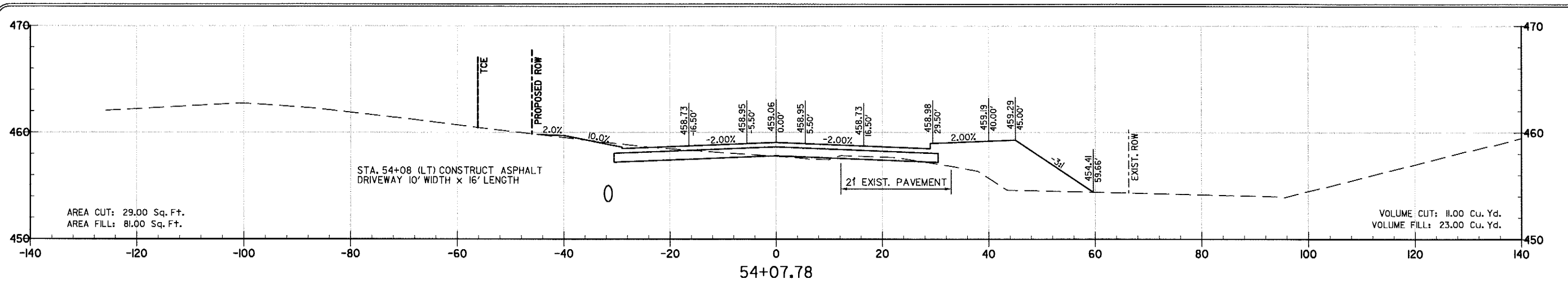
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
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 CHECKED
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 DATE
 2 / 24 / 17
 SCALE
 1" = 20'
 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-180

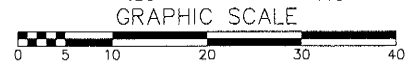
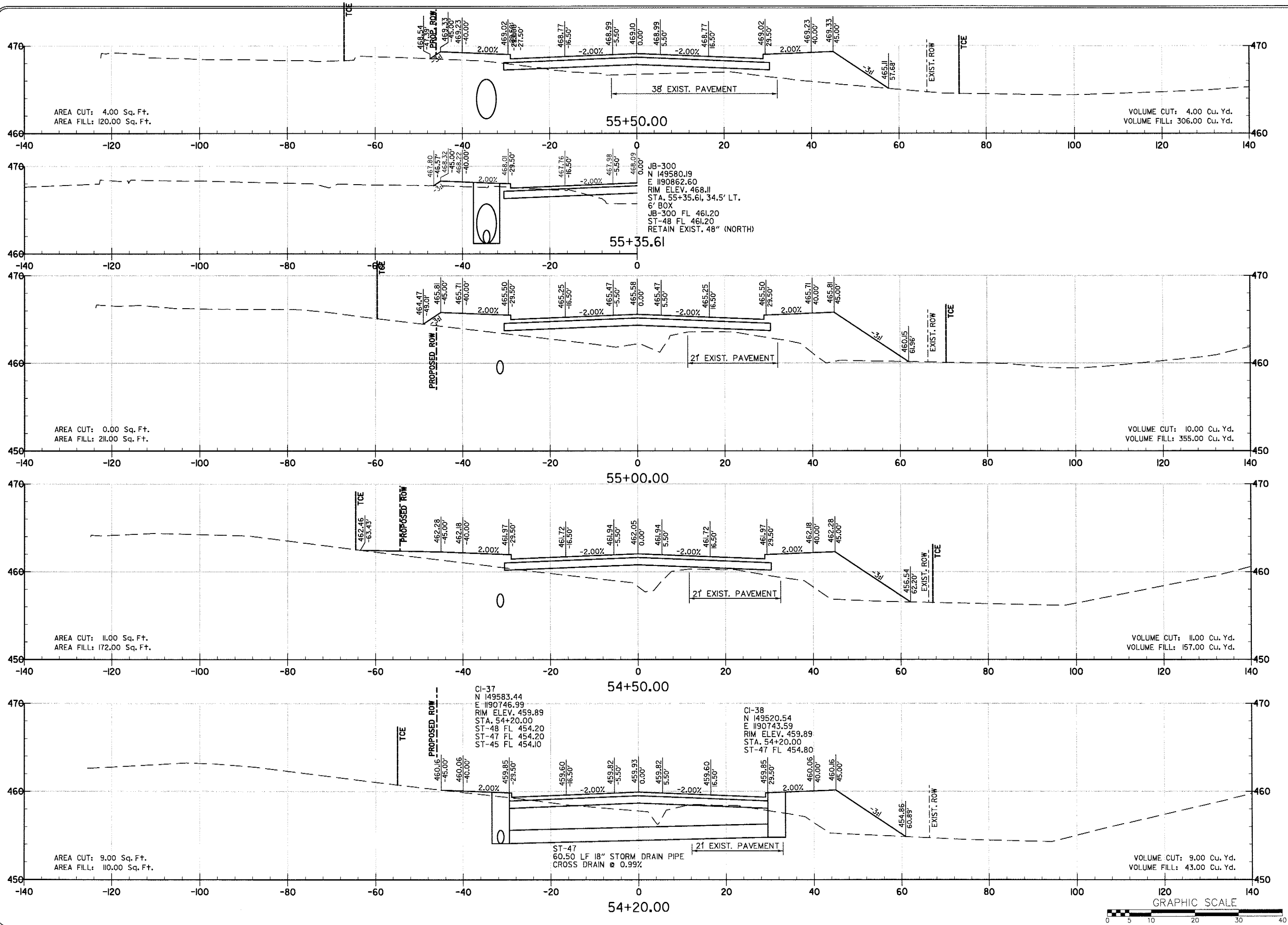


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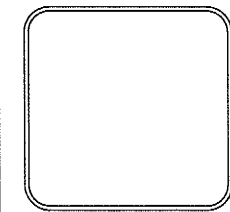
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CHECKED	KGT
DATE	2 / 24 / 17
SCALE	1" = 20'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-181



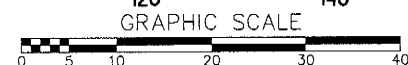
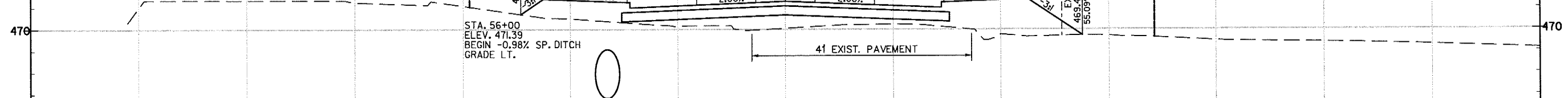
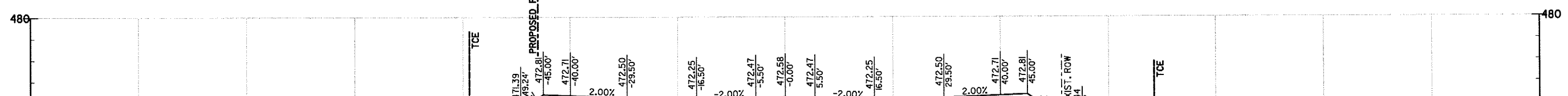
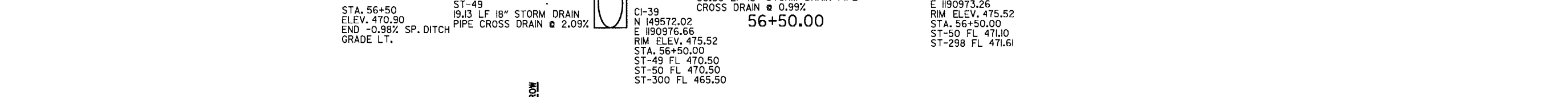
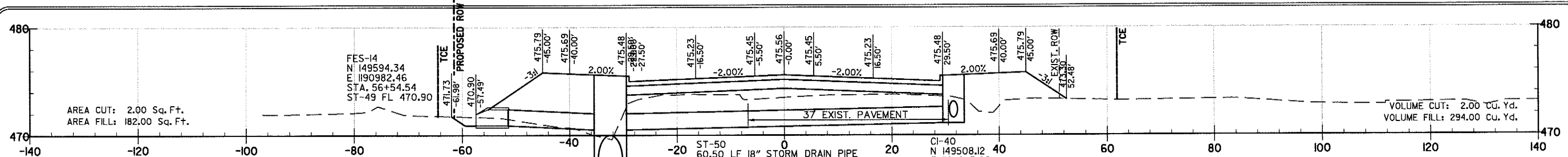
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DESIGNED RFR
CHECKED KGT
DATE 2/24/17
SCALE 1" = 20'
PROJECT NO. 13-B-5D-6A
SHEET NO. C-182

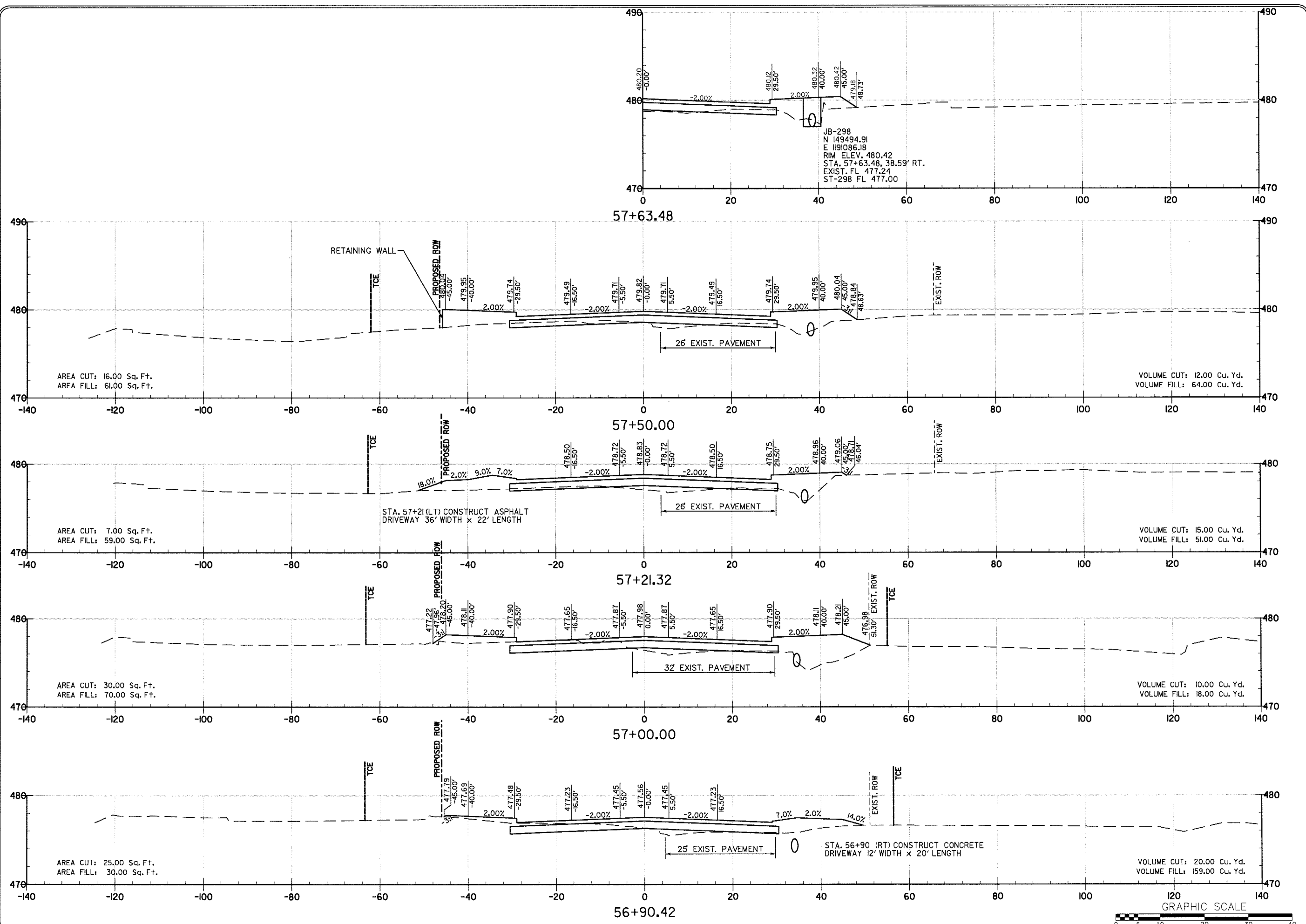


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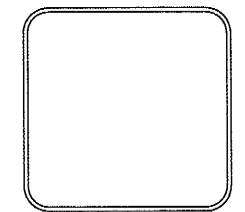
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DATE	2/24/17
SCALE	1" = 20'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-183



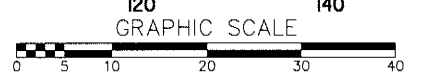
REVISIONS	DATE

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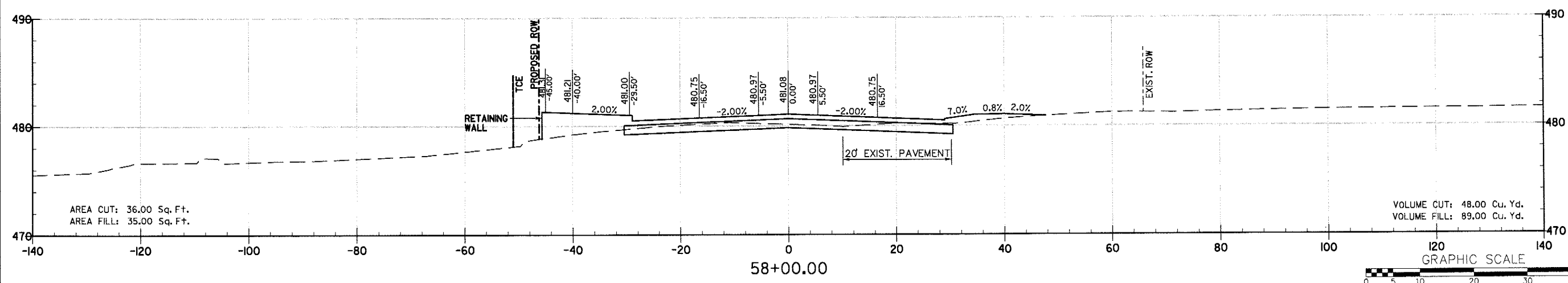
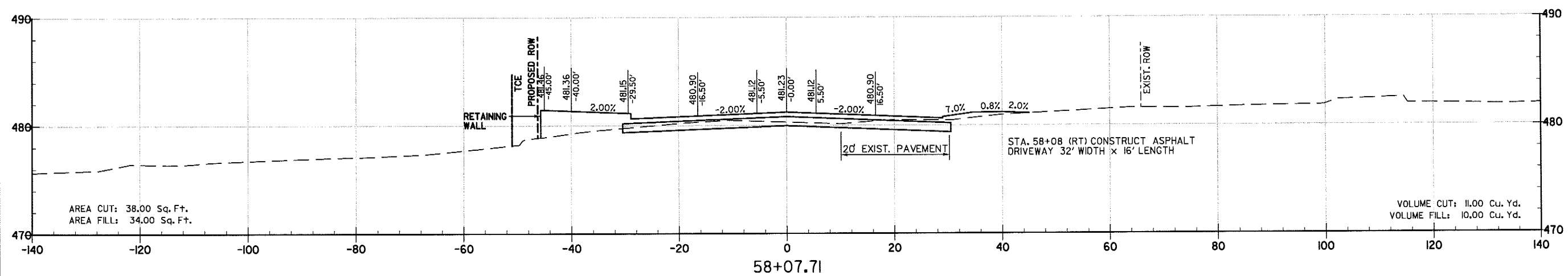
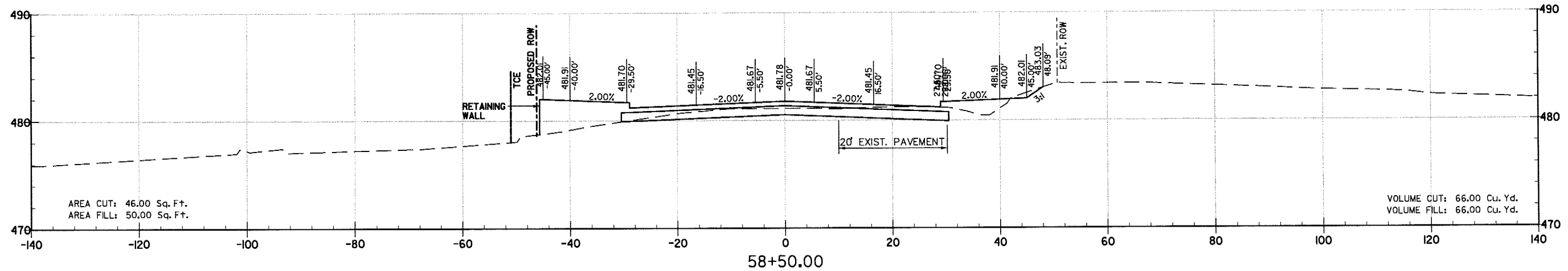


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DATE	2 / 24 / 17
SCALE	1" = 20'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-184

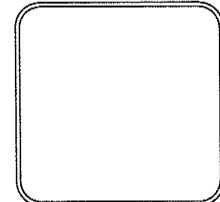


REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
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 LITTLE ROCK, ARKANSAS 72201



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 RFR
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 CHECKED
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 DATE
 2 / 24 / 17
 SCALE
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 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-185

CITY OF LITTLE ROCK, ARKANSAS

KANIS ROAD

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KGT

DATE

2 / 24 / 17

SCALE

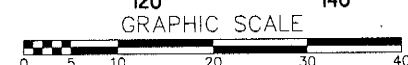
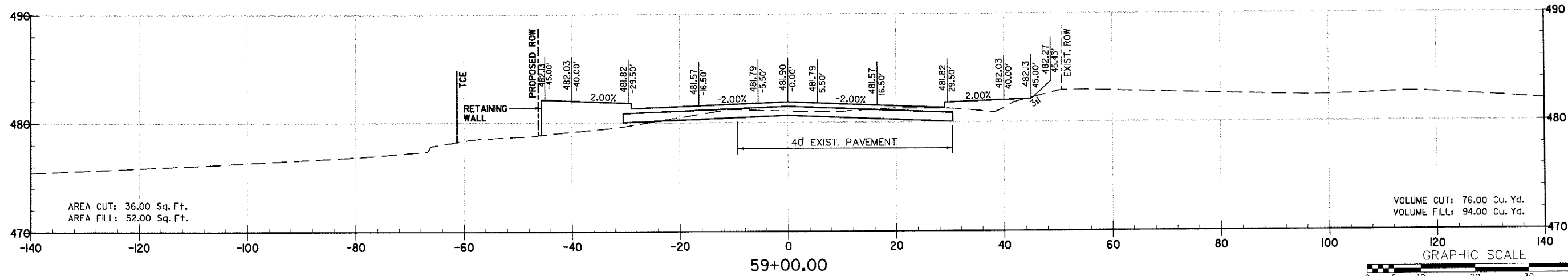
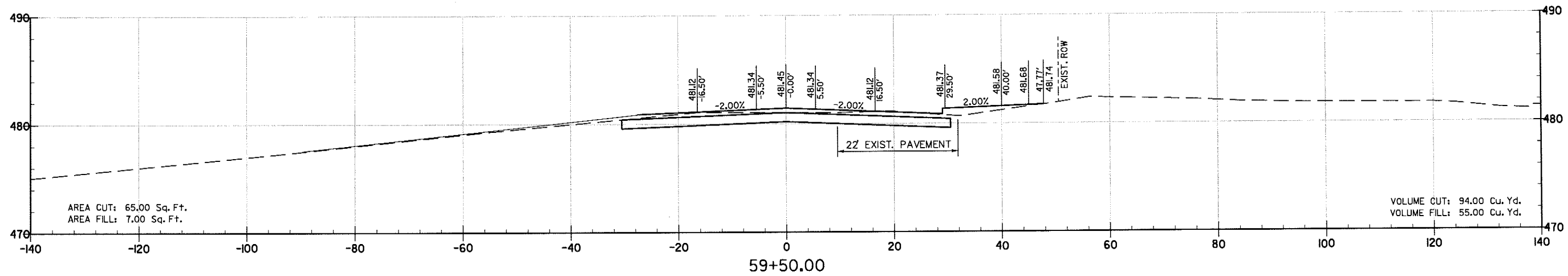
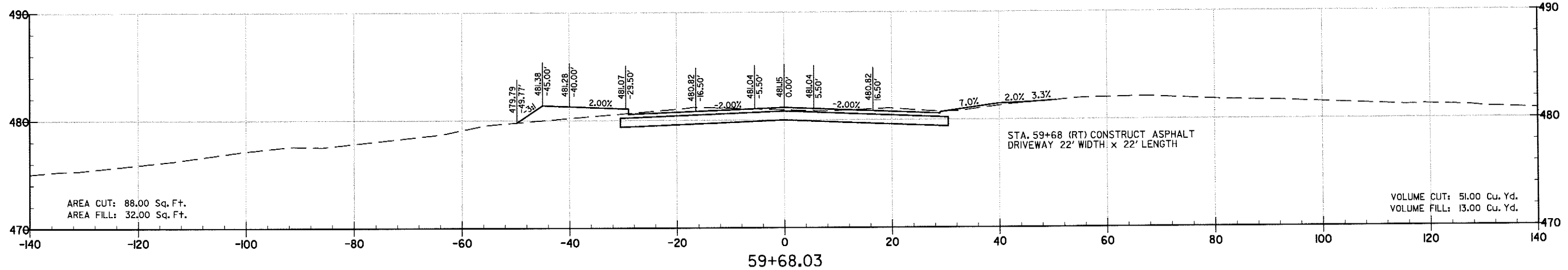
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PROJECT NO.

13-B-5D-6A

SHEET NO.

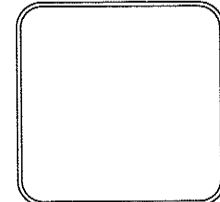
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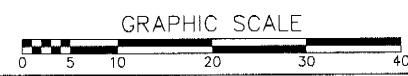
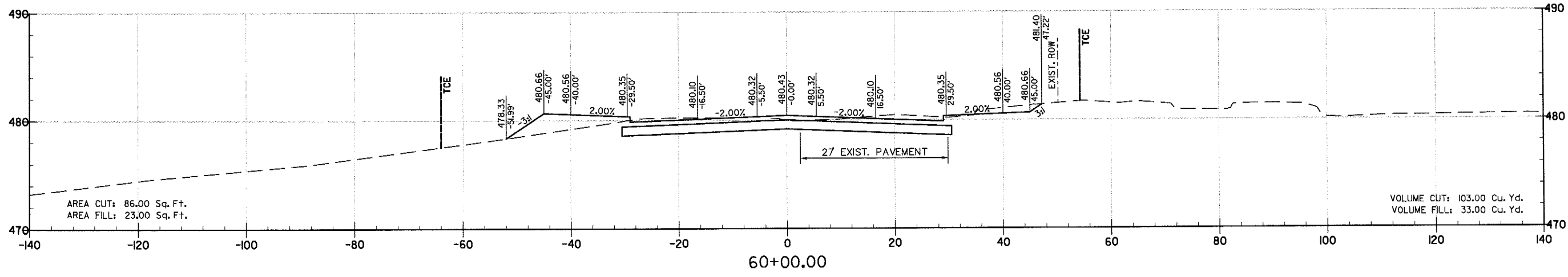
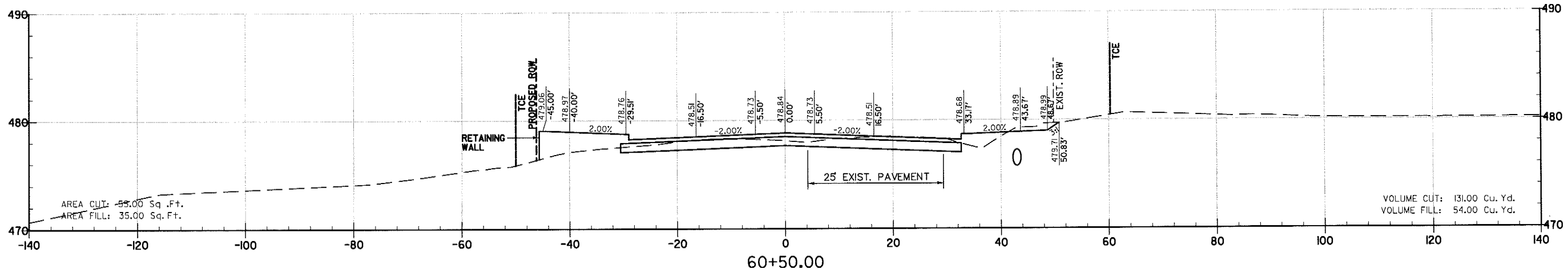
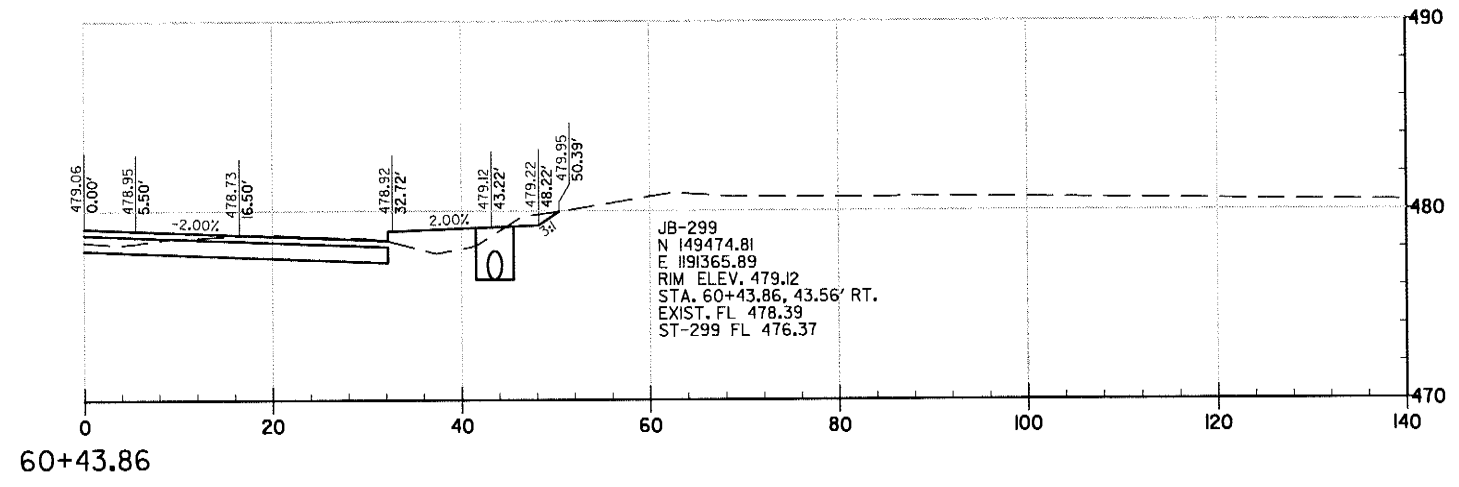
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD
 CROSS SECTIONS
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DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



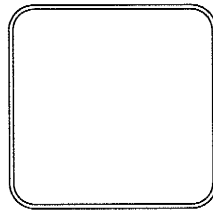
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 SCALE
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 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-187



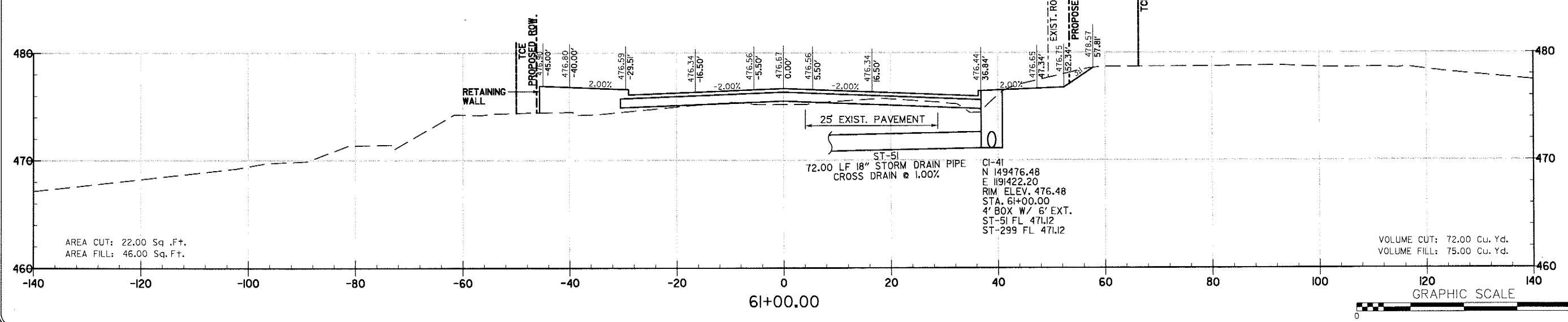
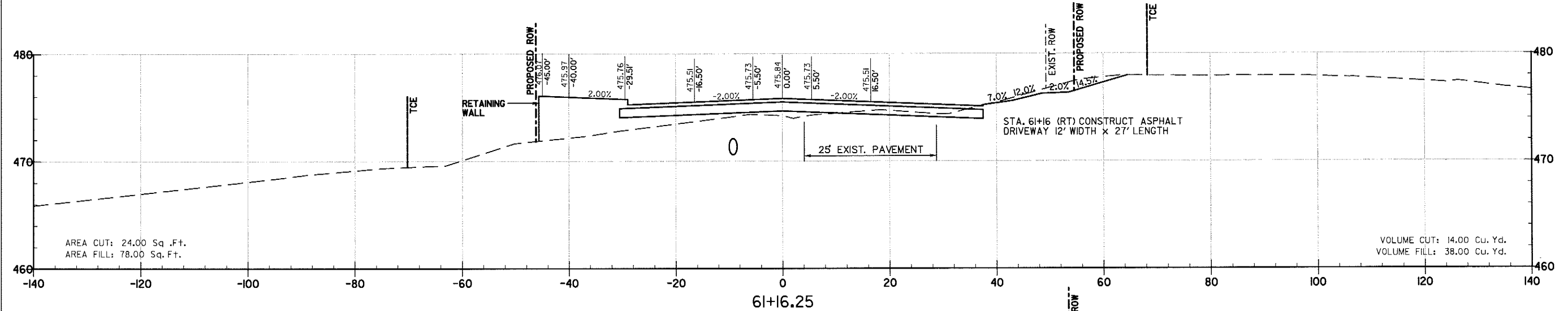
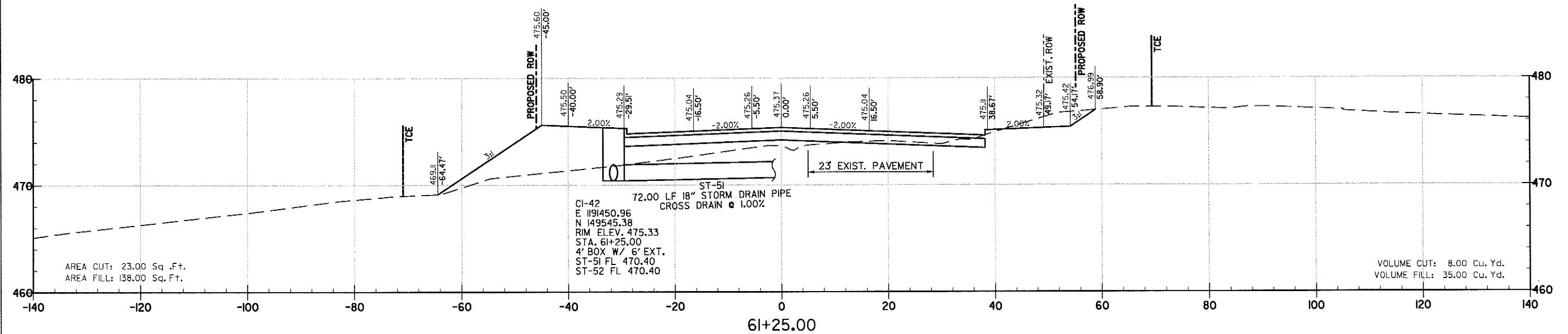
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
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 DATE
 2/24/17
 SCALE
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 13-B-5D-6A
 SHEET NO.
C-188

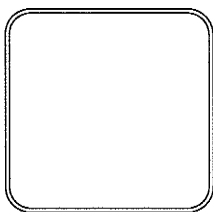


REVISIONS	DATE

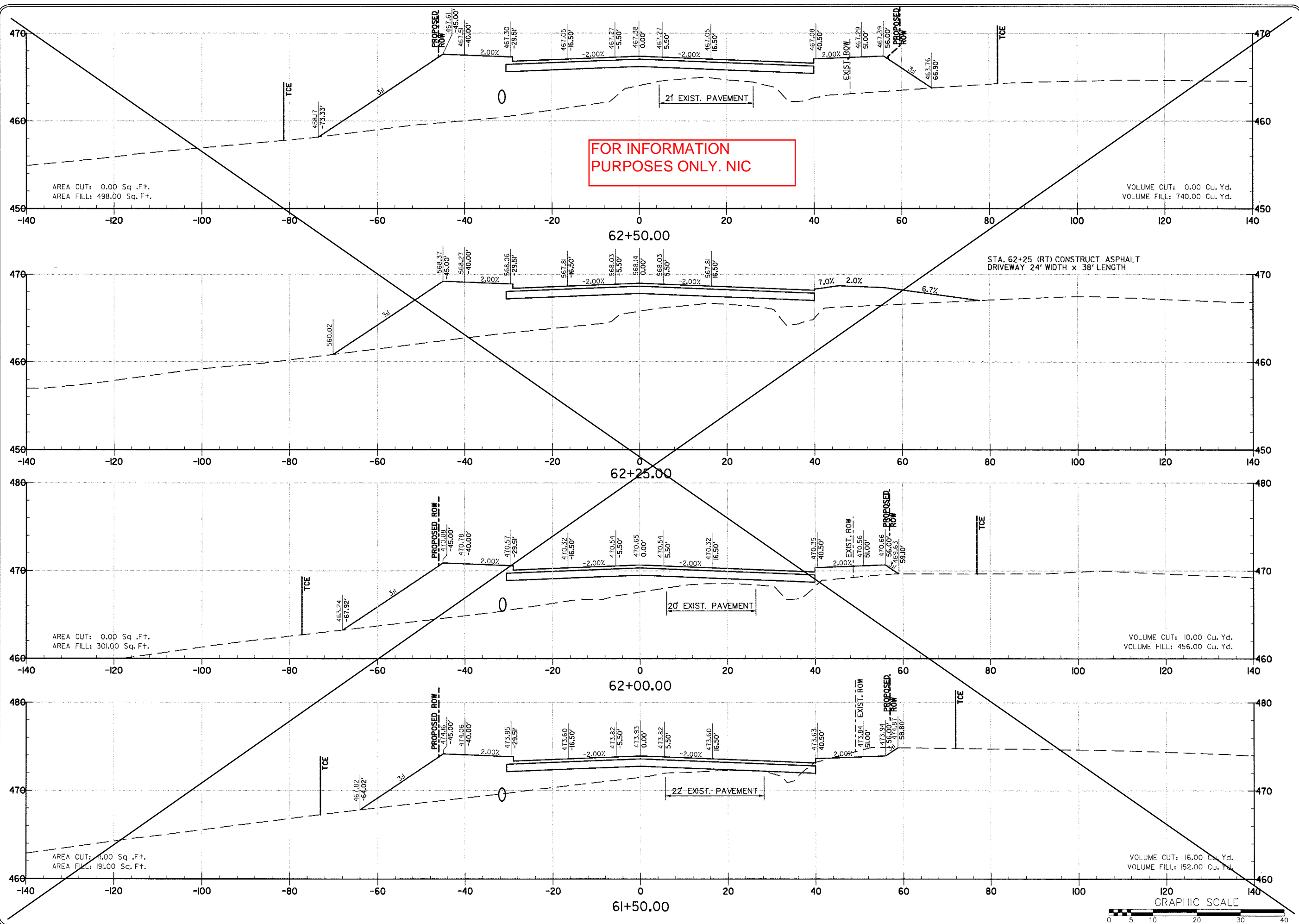
CITY OF LITTLE ROCK, ARKANSAS
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DESIGNED	RFR
CHECKED	KGJ
DATE	2 / 24 / 17
SCALE	1" = 20'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-189



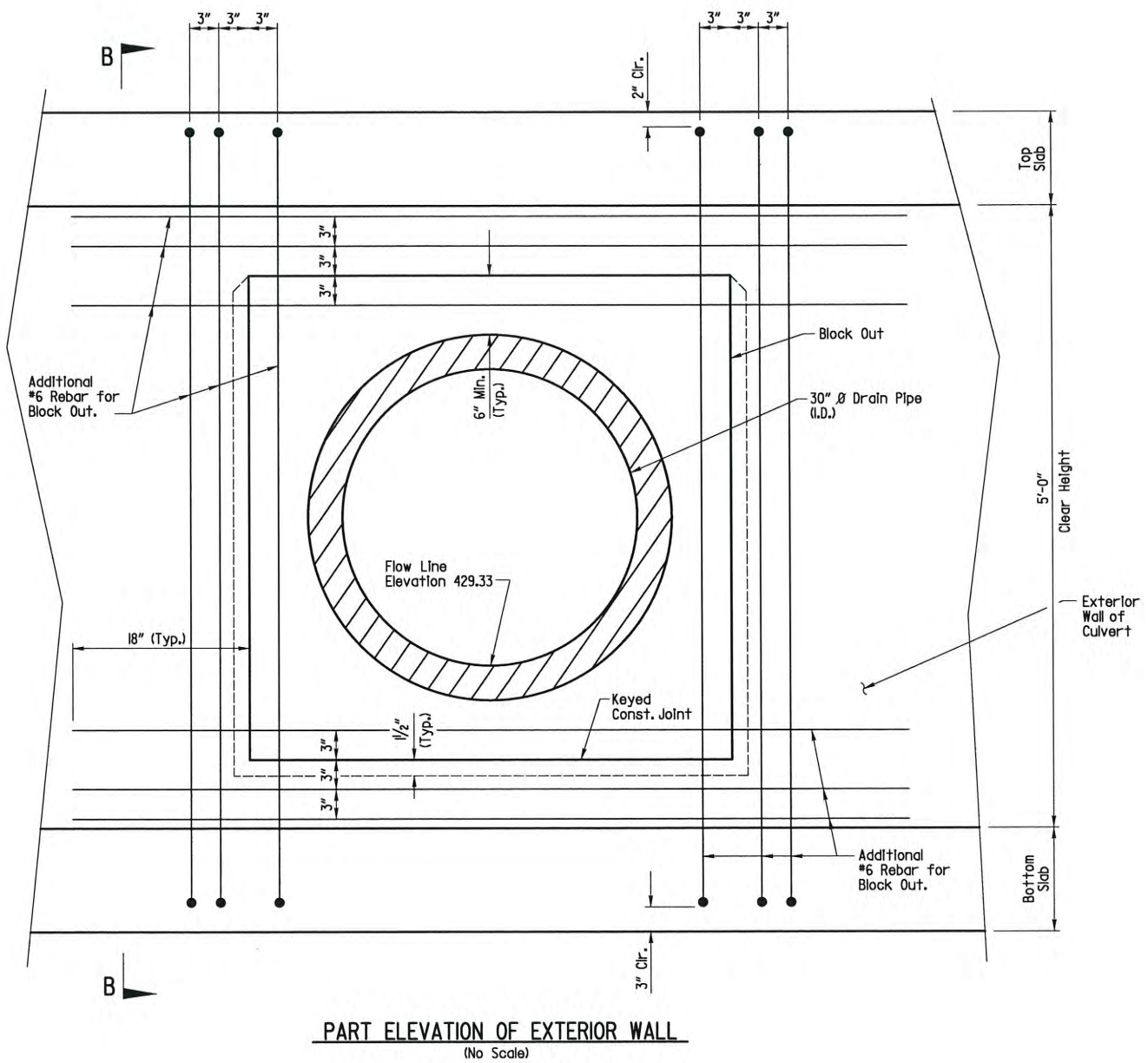
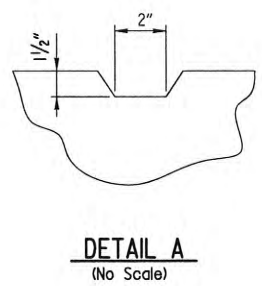
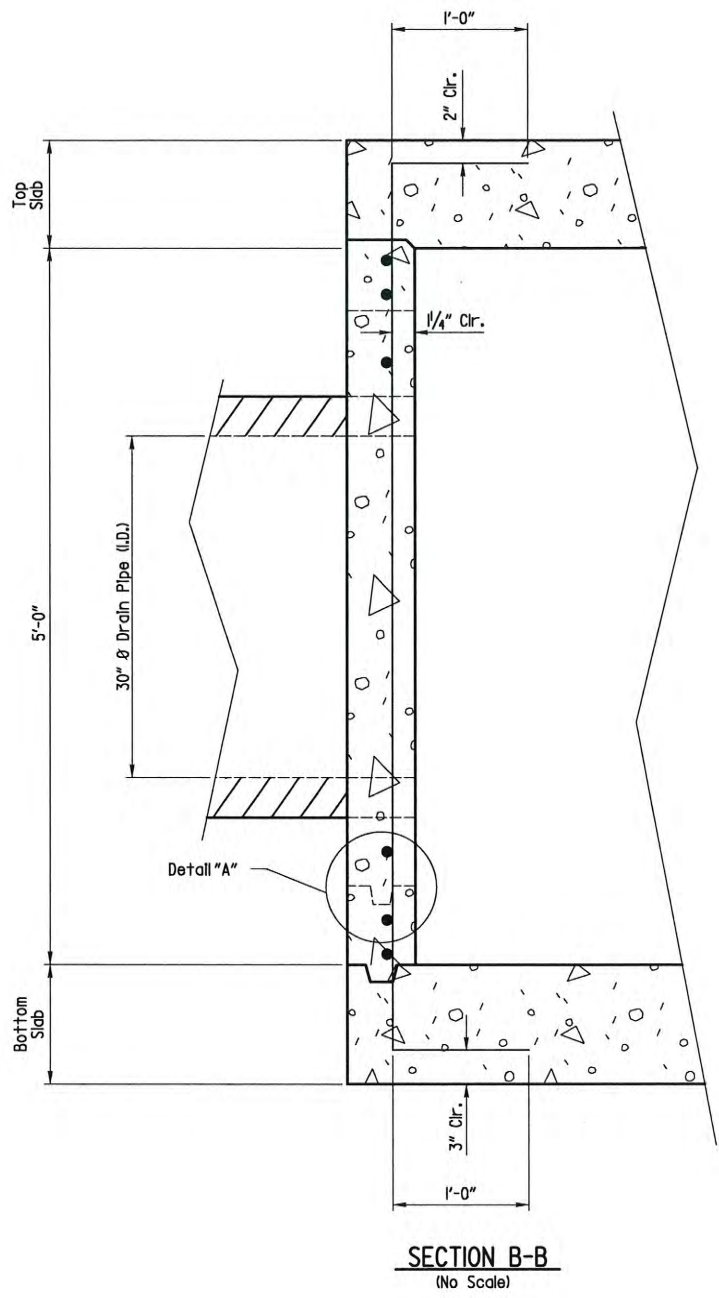
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 KANIS ROAD
 DETAILS OF PIPE INLET (30" I.D.)
 SINGLE BARREL BOX CULVERT
 STA. 48+30

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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 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.

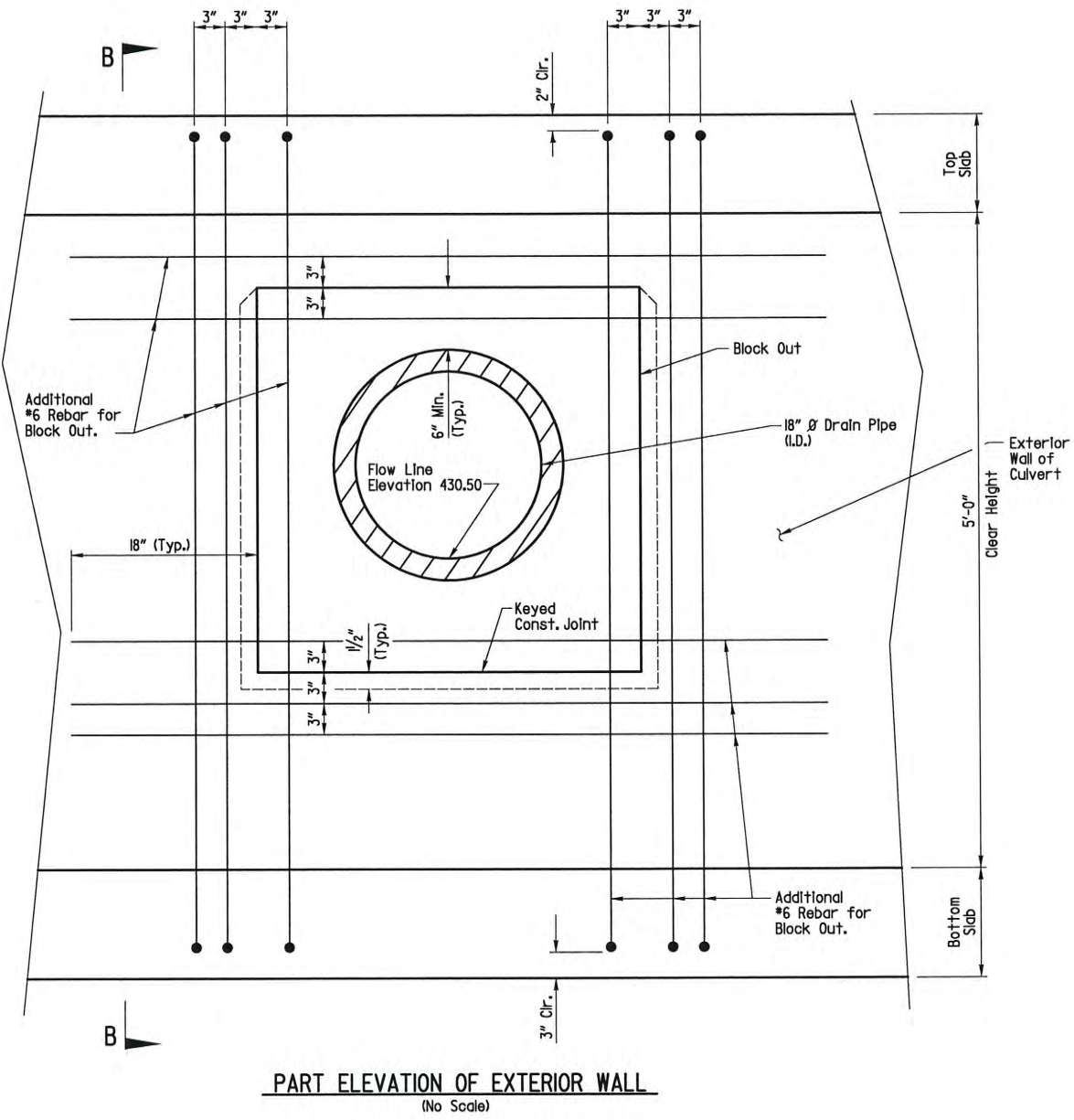
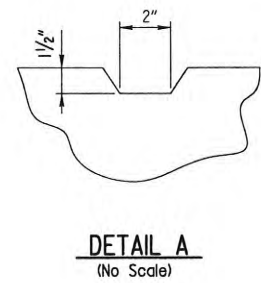
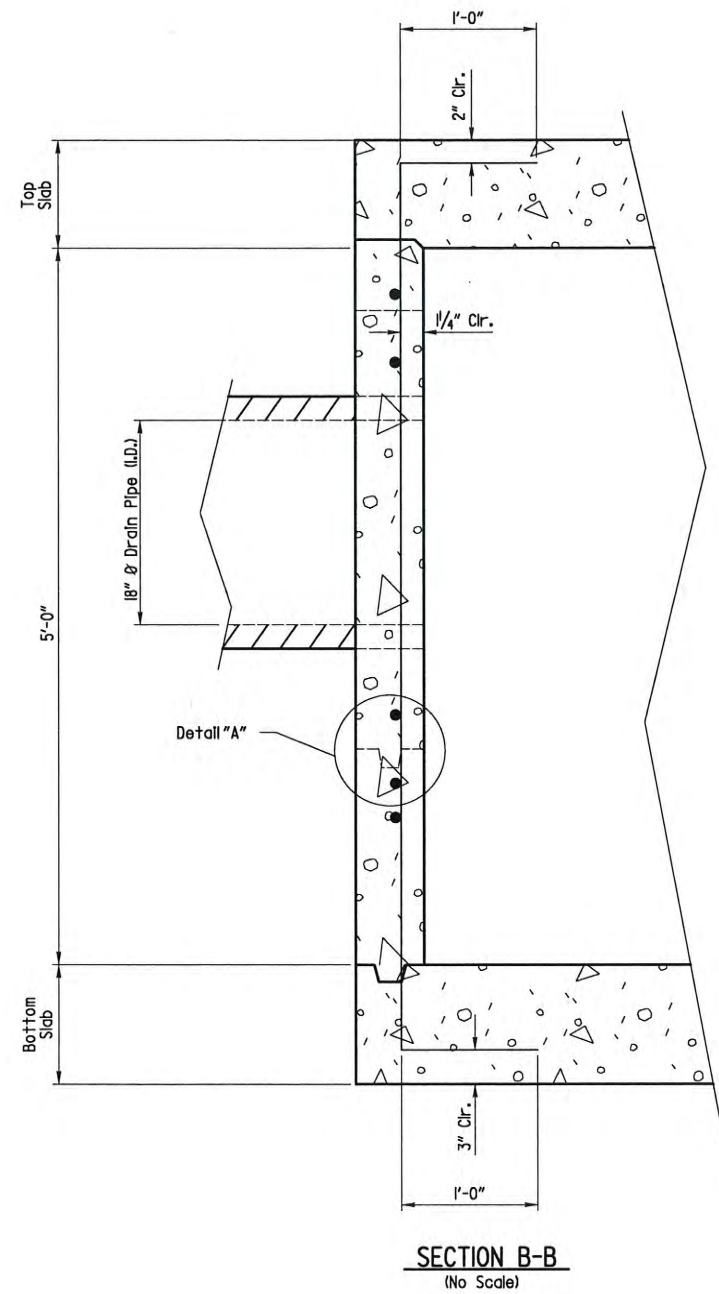
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 KANIS ROAD
 DETAILS OF PIPE INLET (18" I.D.)
 SINGLE BARREL BOX CULVERT
 STA. 48+30

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 DRAWN BY
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 CGW
 DATE
 12 / 30 / 15
 SCALE
 NONE
 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
C-261



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.

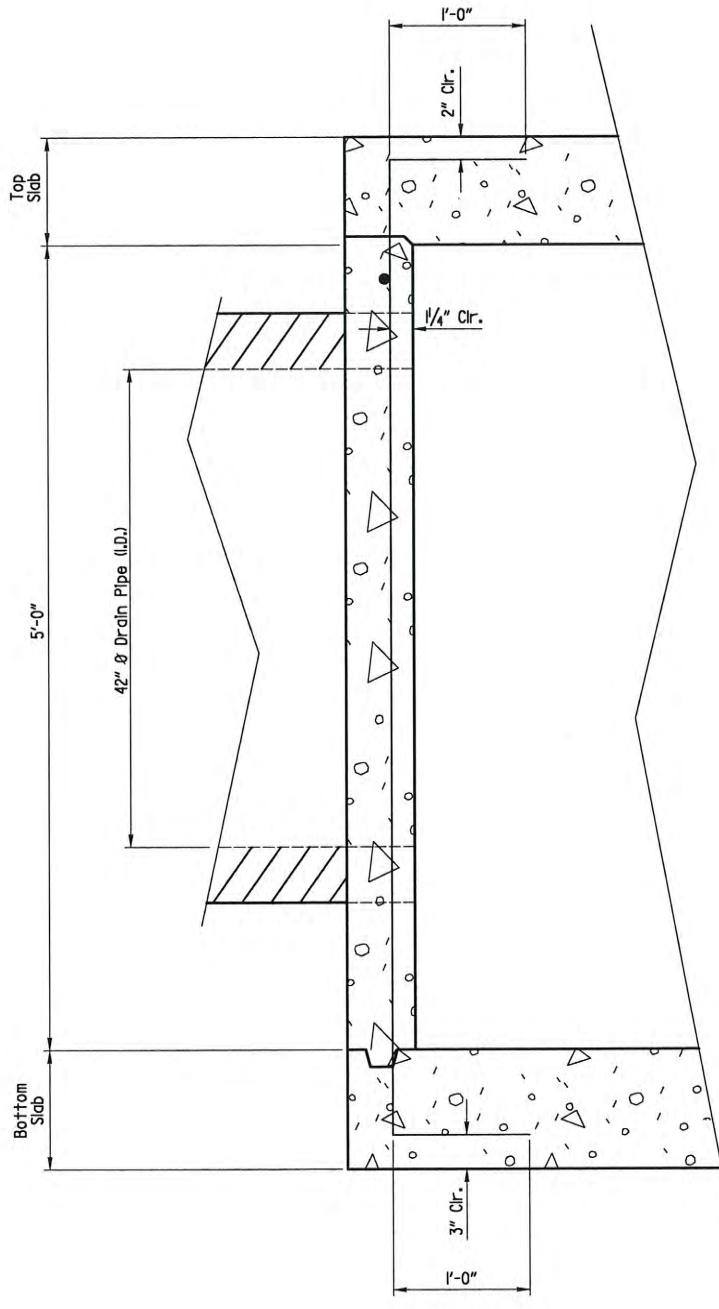
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 KANIS ROAD
 DETAILS OF PIPE INLET (42" I.D.)
 SINGLE BARREL BOX CULVERT
 STA. 48+30

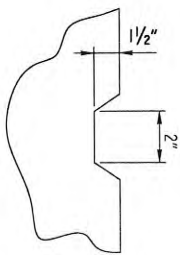
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
 REGISTERED PROFESSIONAL ENGINEER
 No. 11528
 CHRISTOPHER J. CRISWELL

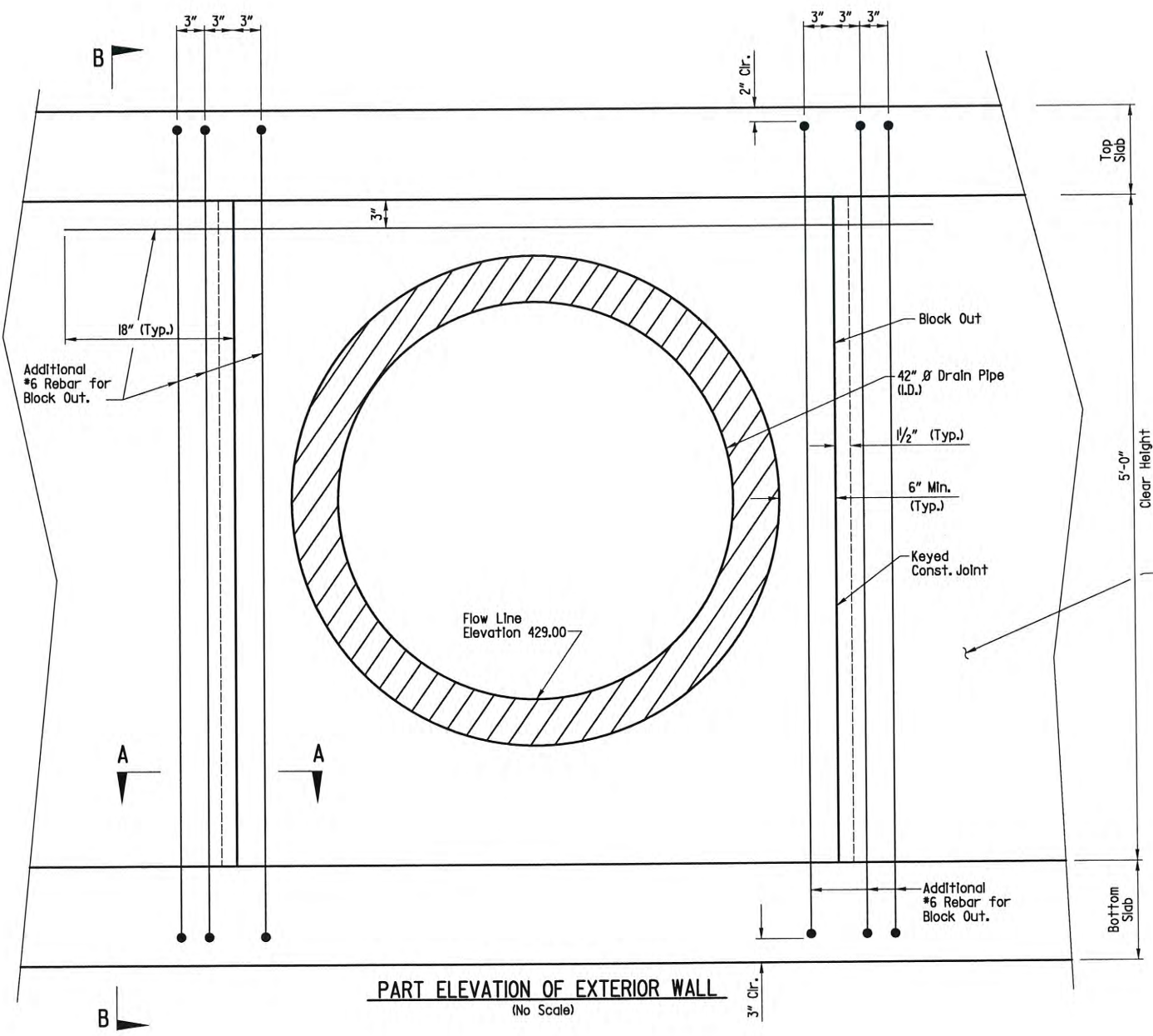
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 DRAWN BY
 JAB
 DESIGNED
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 CHECKED
 CGW
 DATE
 12 / 30 / 15
 SCALE
 NONE
 PROJECT NO.
 13-B-5D-6A
 SHEET NO.
 C-262



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.