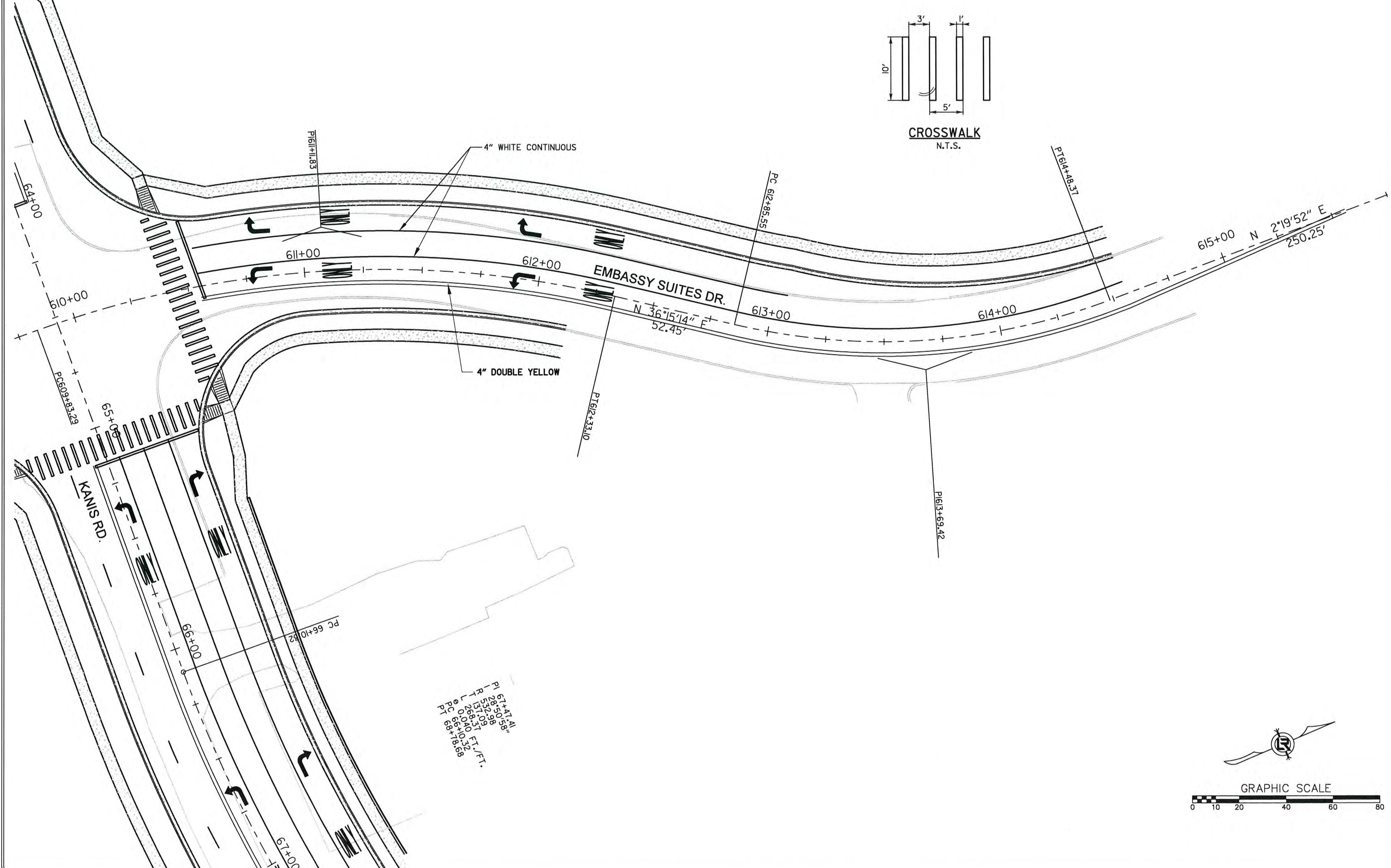
PERMANENT STRIPING QUANTITIES
EMBASSYSUITES DR. (STA. 610+80 TO STA. 612+25)

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.



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

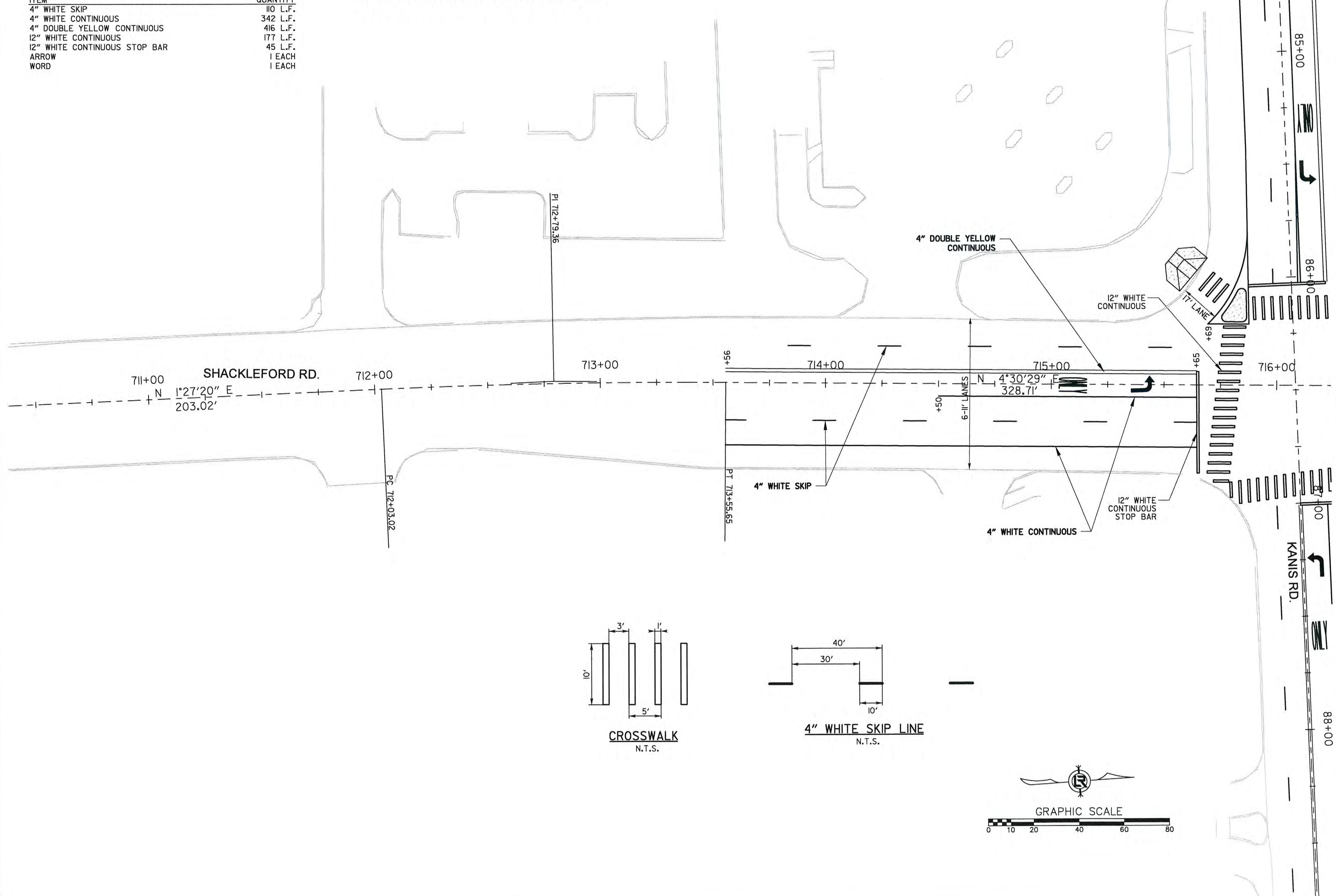
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
3-15-17

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

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

ITEM	QUANTITY
4" WHITE SKIP	110 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

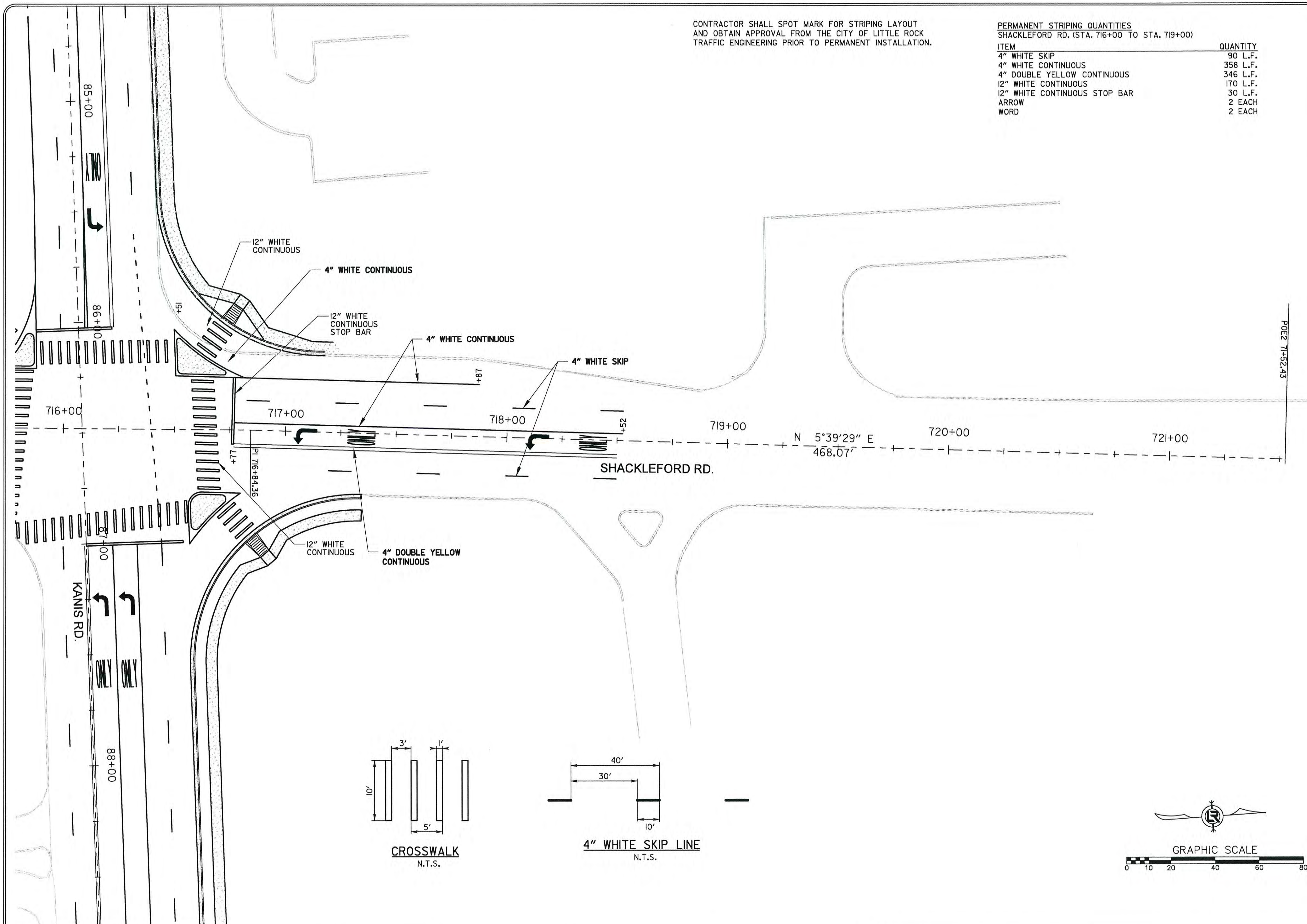
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
3-15-17

DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-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. 11427 KEVIN G. TOBLESKY

3-15-17

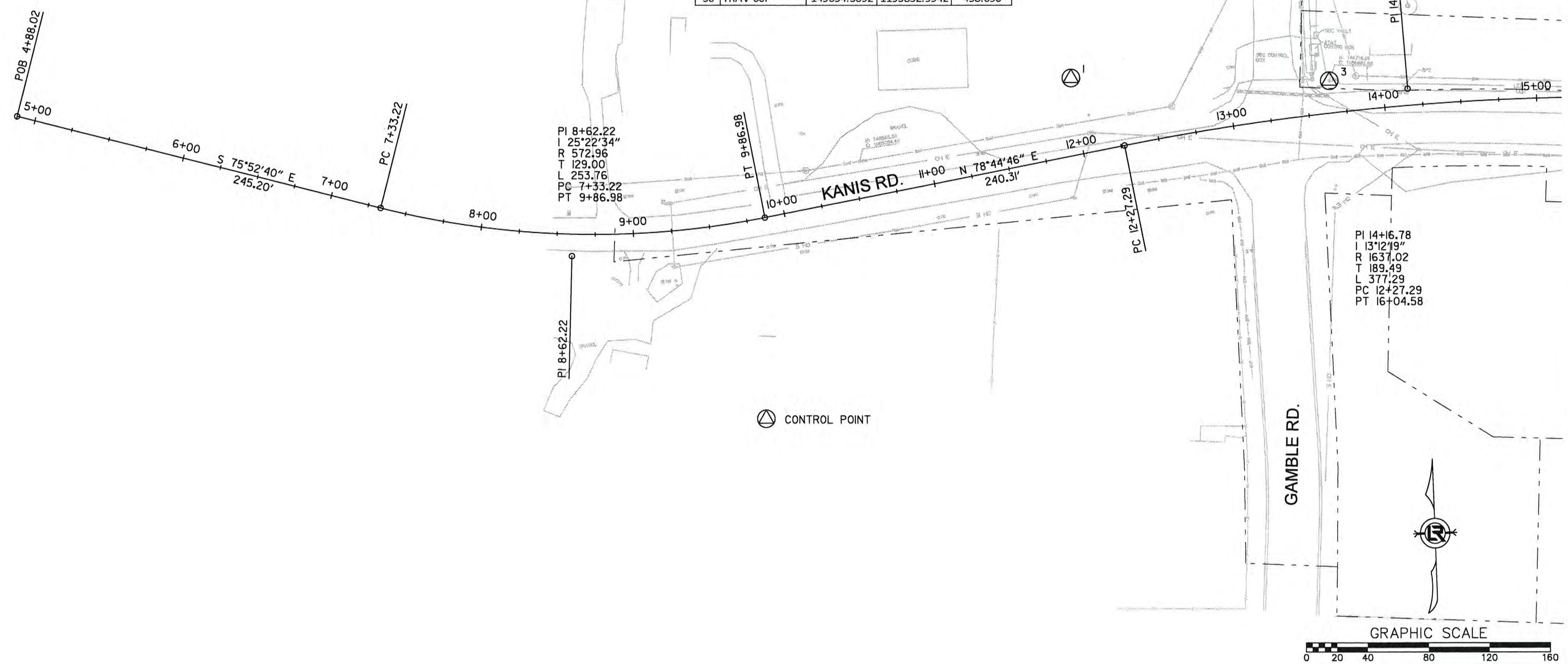
DRAWN BY	JAB
DESIGNED	RFR
CHECKED	KGT
DATE	02 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-78

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

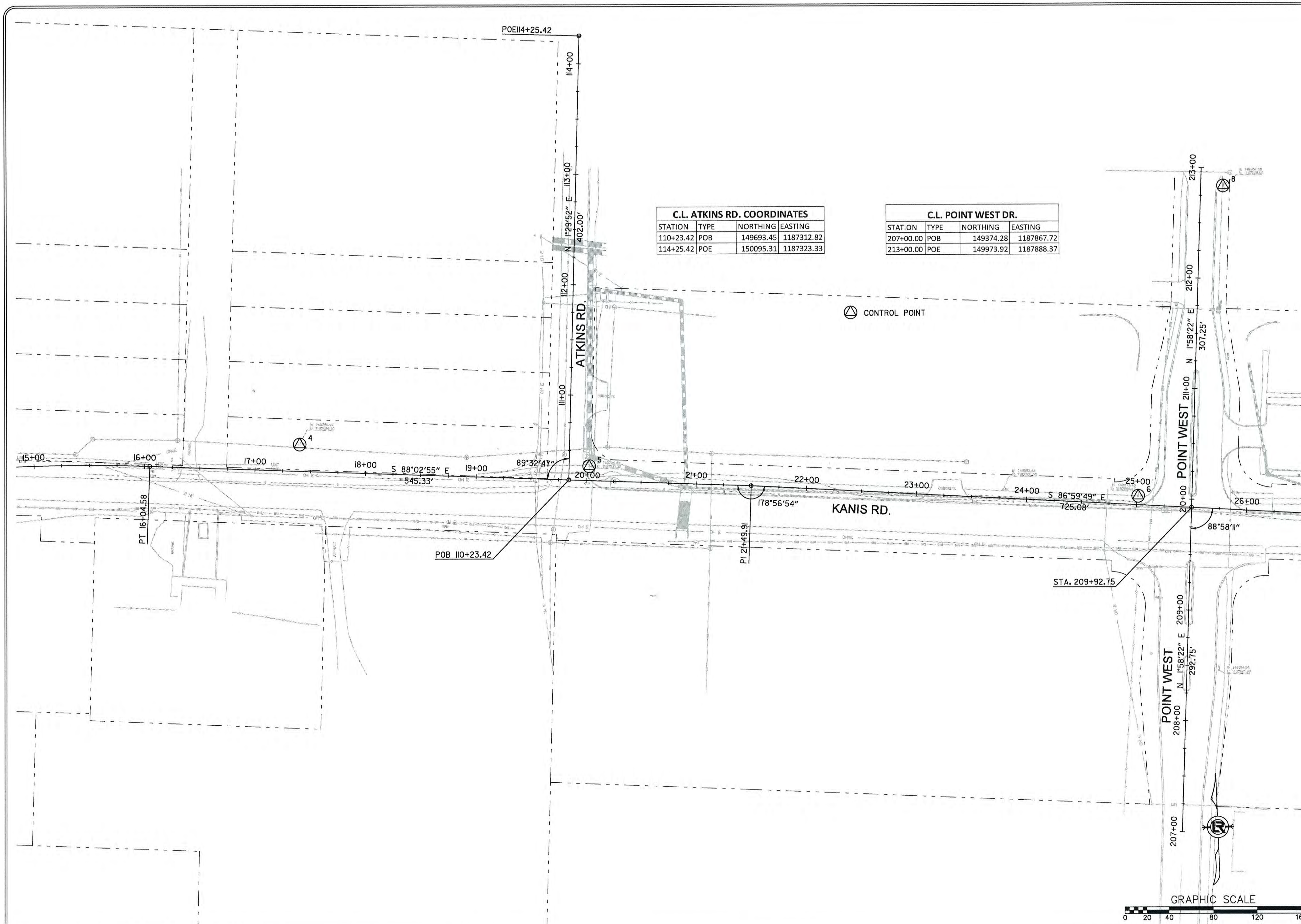
FIELD TIES / LAYOUT SHEET 1

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

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 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-79



C.L. ATKINS RD. COORDINATES

STATION	TYPE	NORTHING	EASTING
110+23.42	POB	149693.45	1187312.82
114+25.42	POE	150095.31	1187323.33

C.L. POINT WEST DR.

STATION	TYPE	NORTHING	EASTING
207+00.00	POB	149374.28	1187867.72
213+00.00	POE	149973.92	1187888.37

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

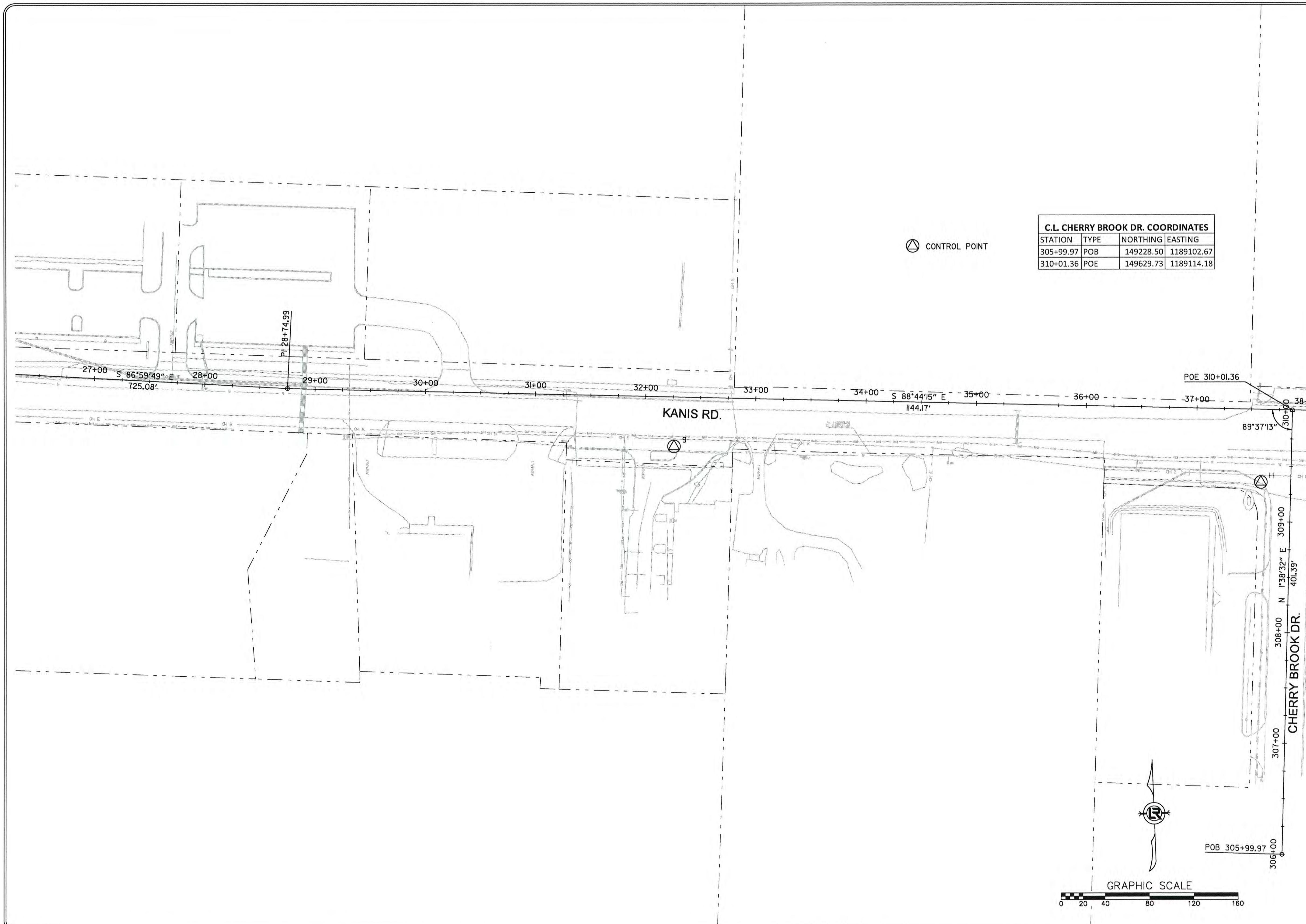
FIELD TIES / LAYOUT SHEET 2

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

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-80



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

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS

KANIS ROAD

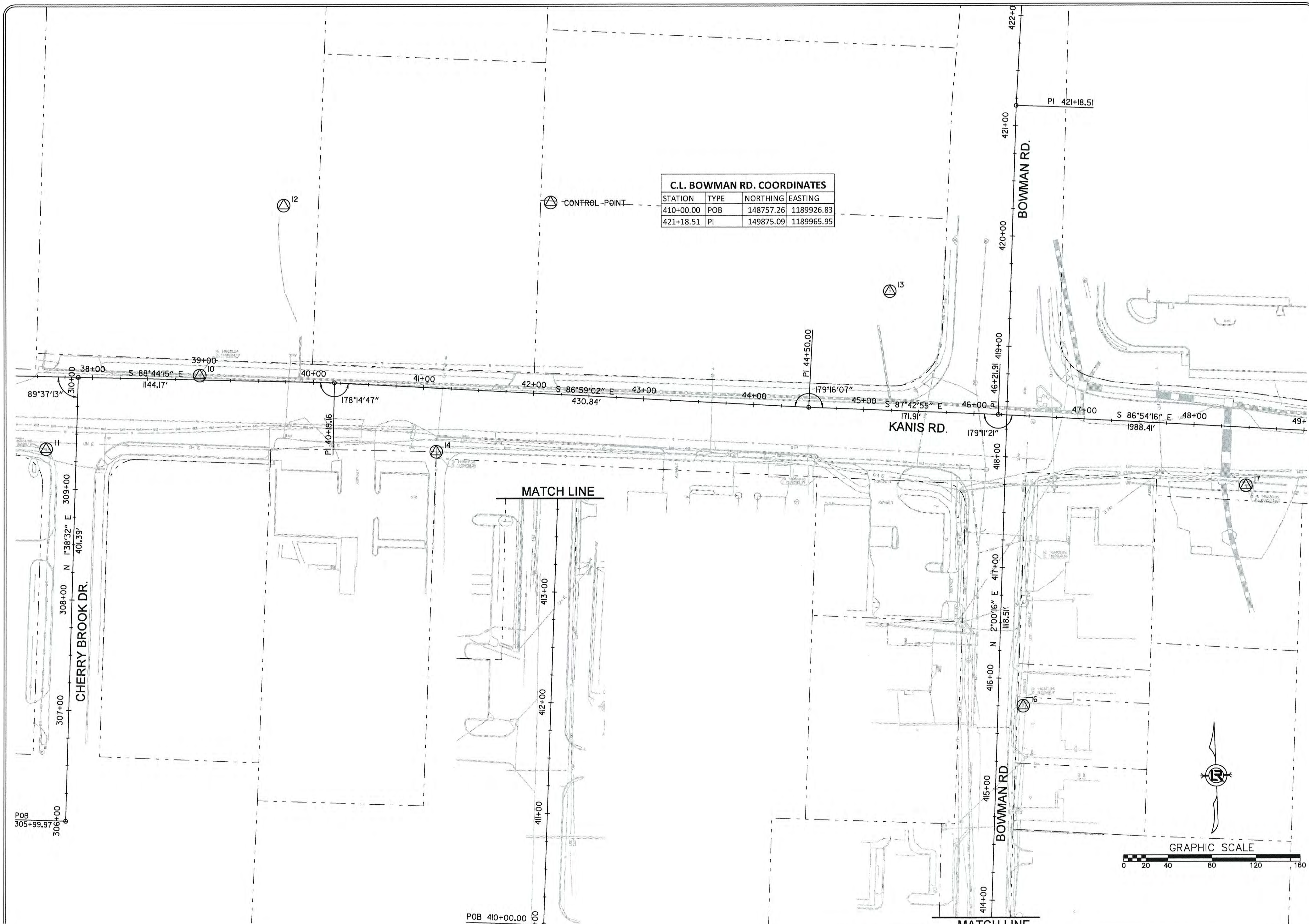
FIELD TIES / LAYOUT SHEET 3

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
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-81



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

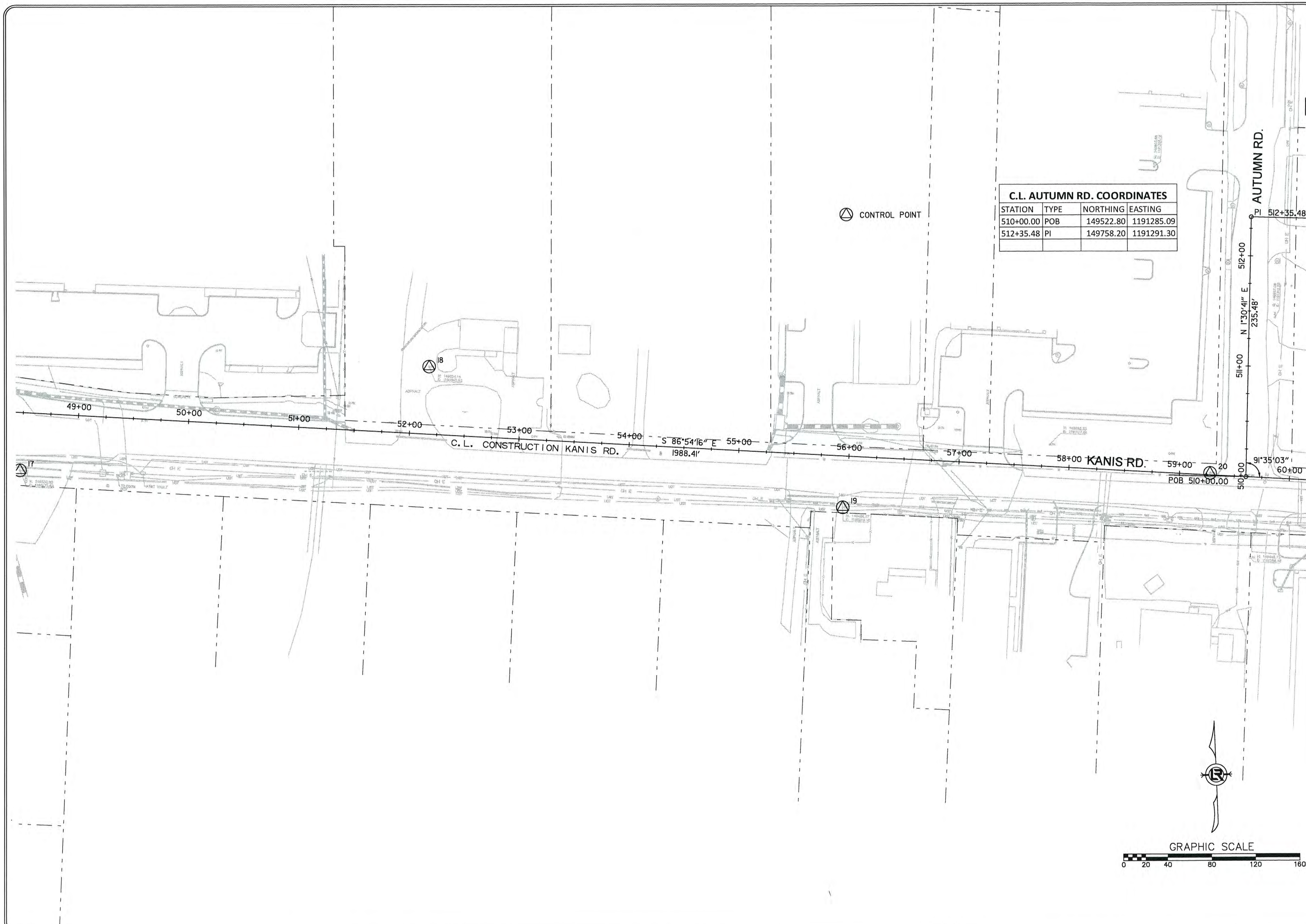
FIELD TIES / LAYOUT SHEET 4

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-82



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

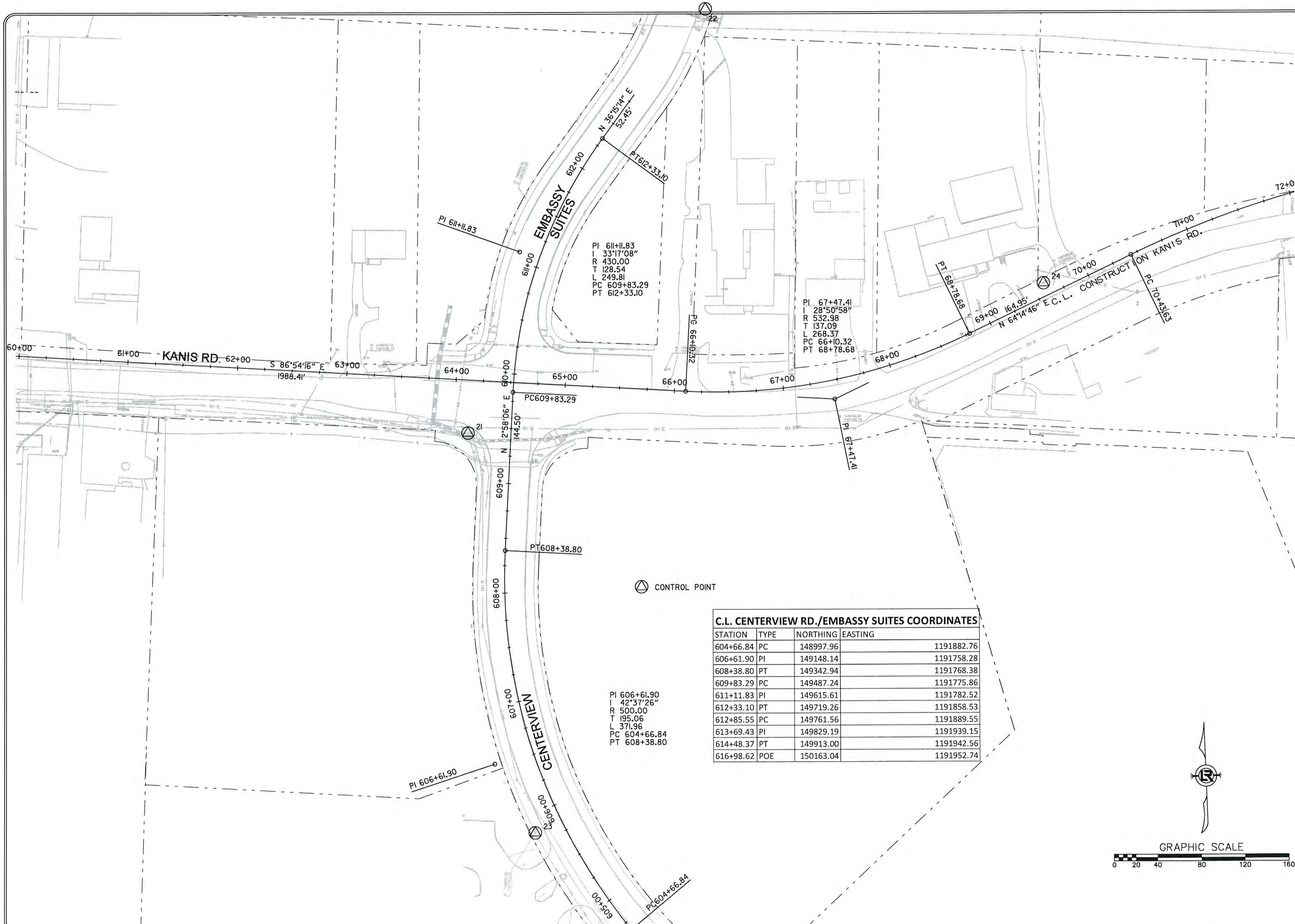
FIELD TIES / LAYOUT SHEET 5

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 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-83



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

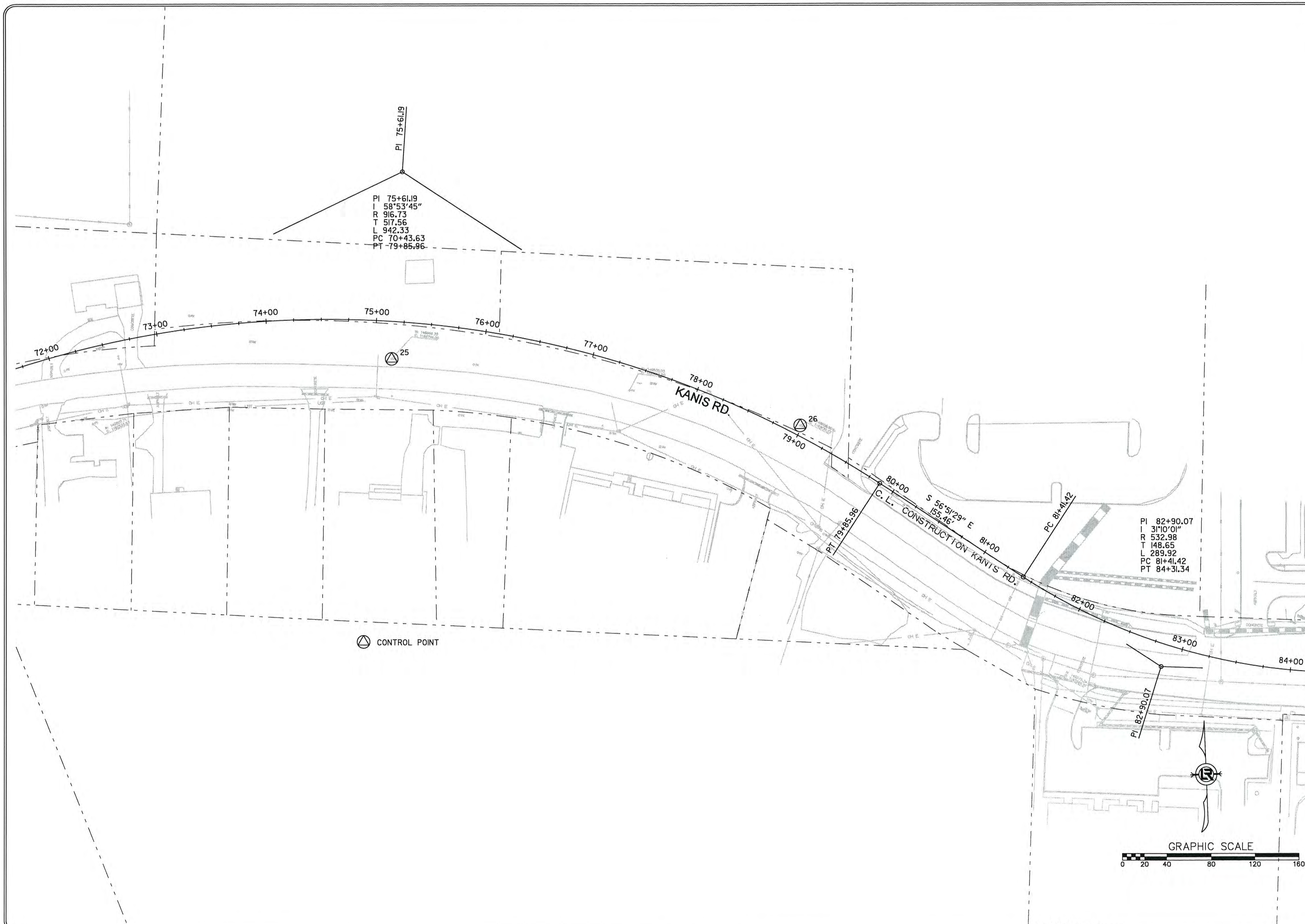
FIELD TIES / LAYOUT SHEET 6

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 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-84



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

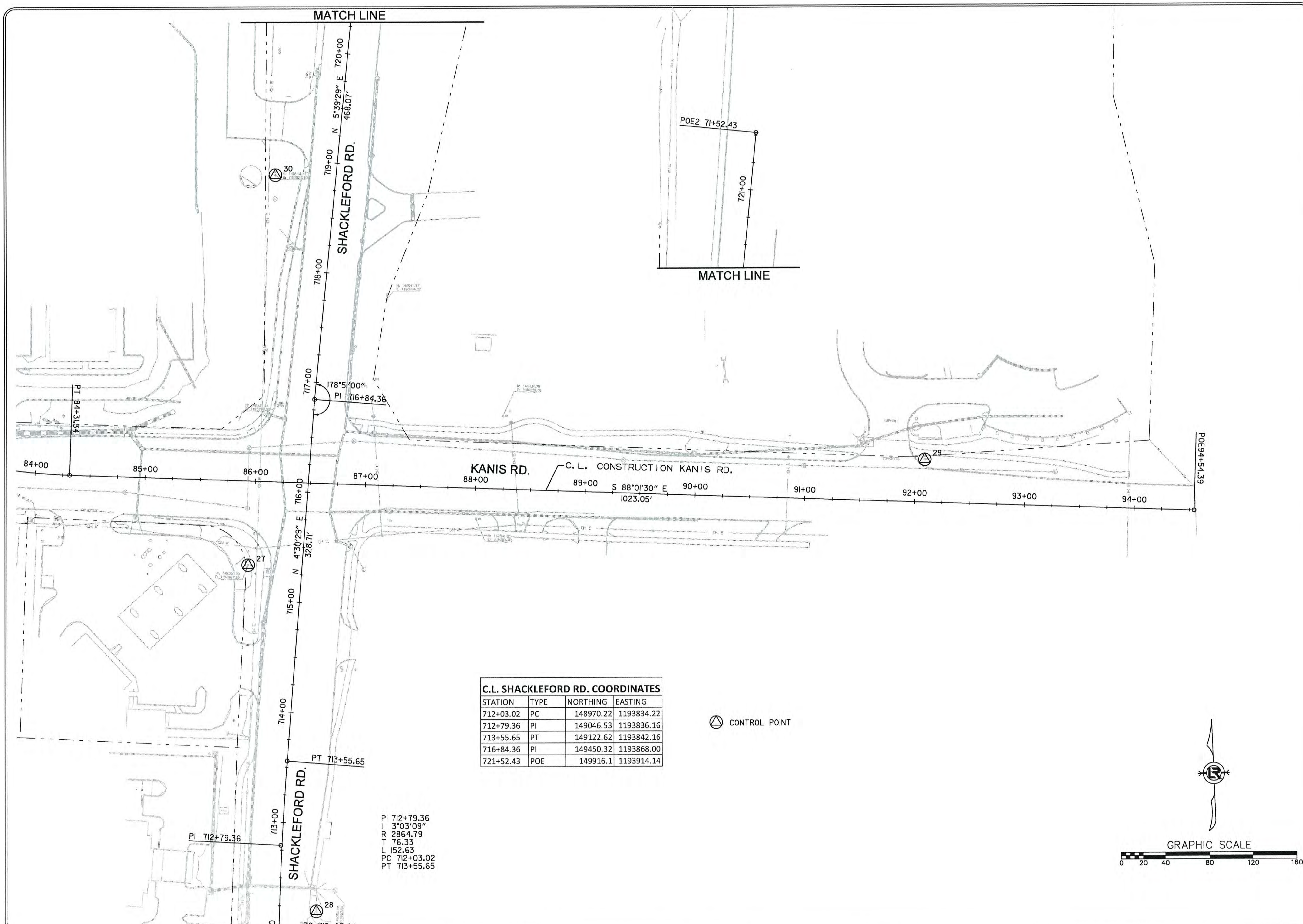
FIELD TIES / LAYOUT SHEET 7

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
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-85



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

REVISIONS	DATE

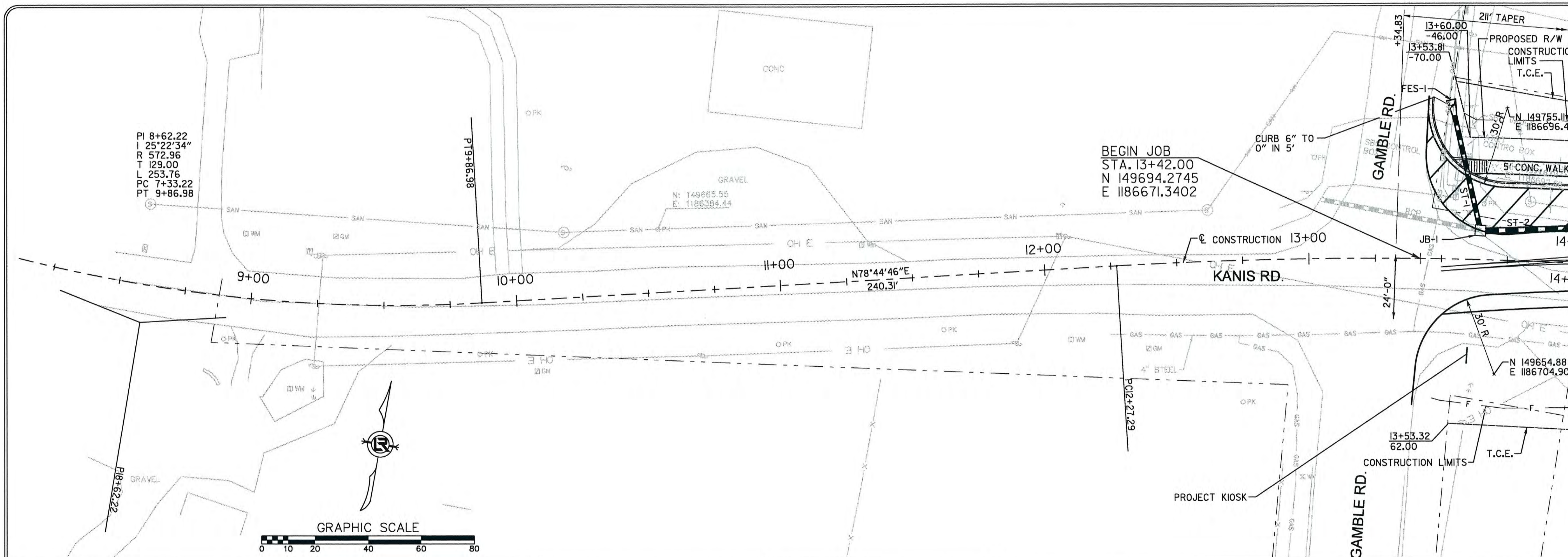
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD
FIELD TIES / LAYOUT SHEET 8

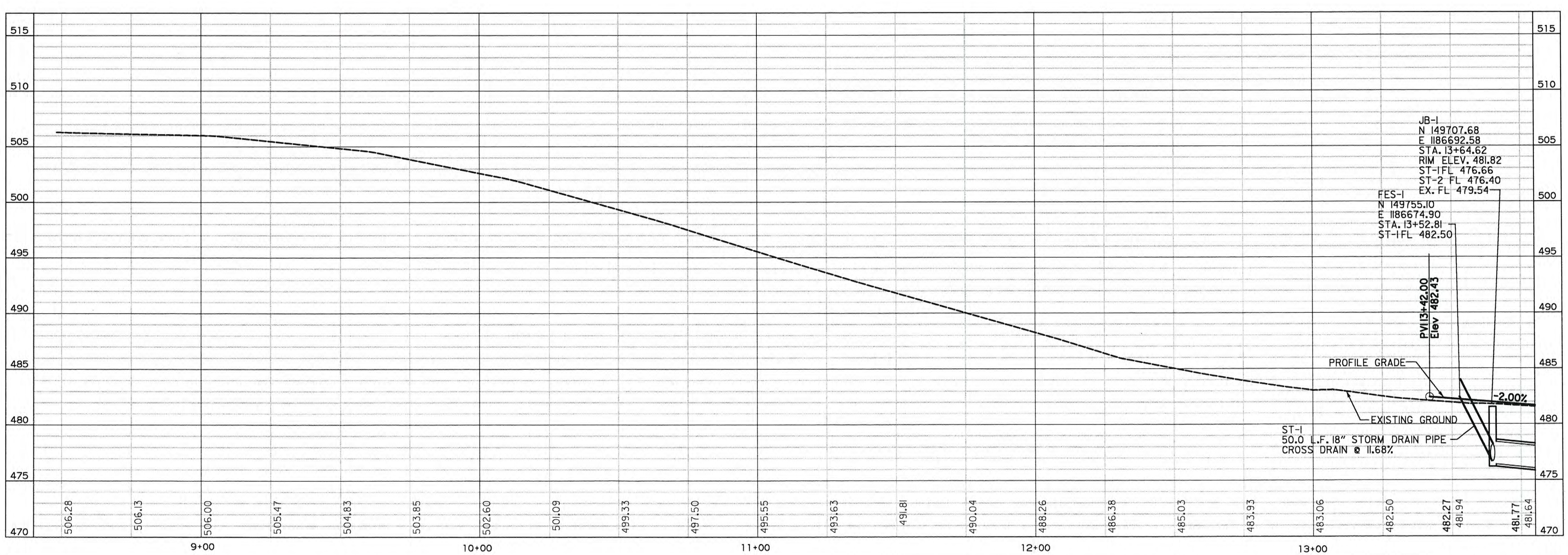
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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-86





REVISIONS	DATE

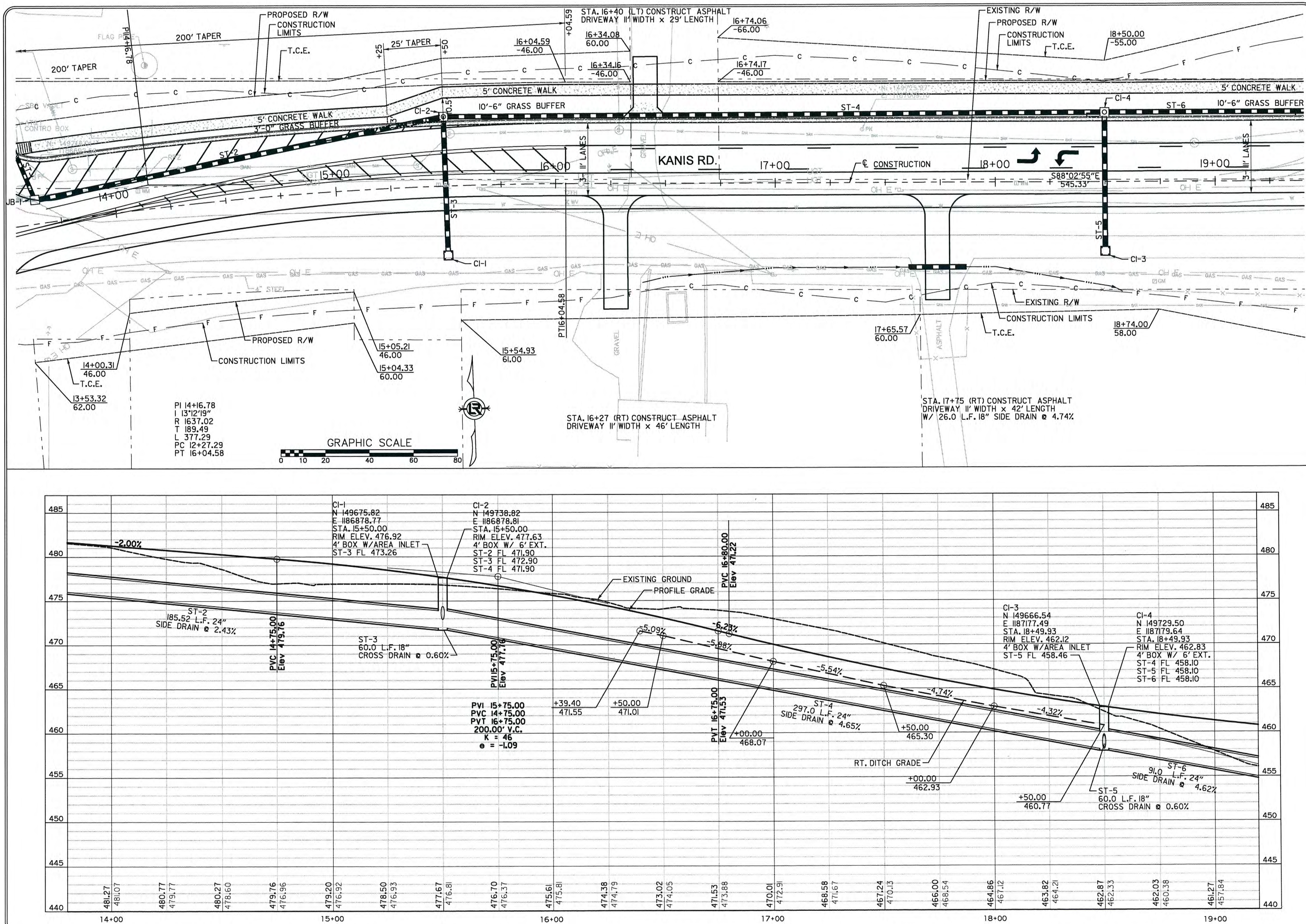
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

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. 11427
KEVIN 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-87



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

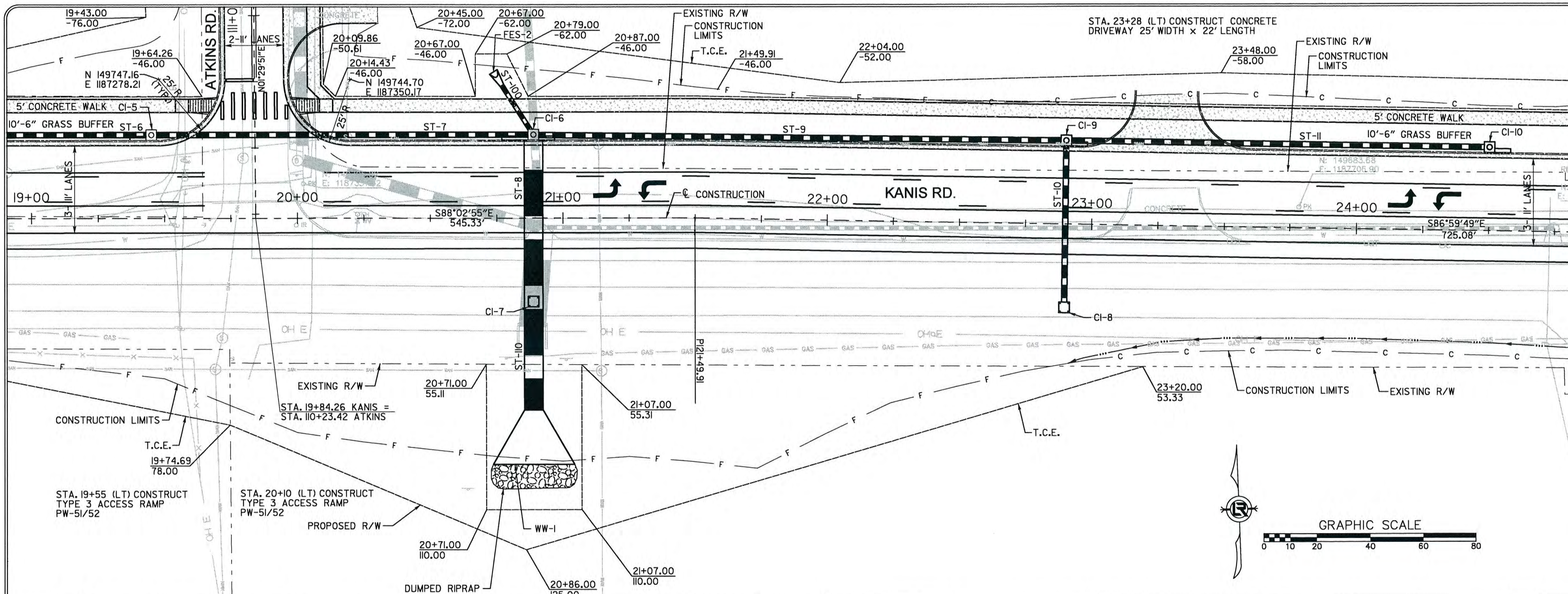
PLAN & PROFILE
KANIS ROAD SHEET 2

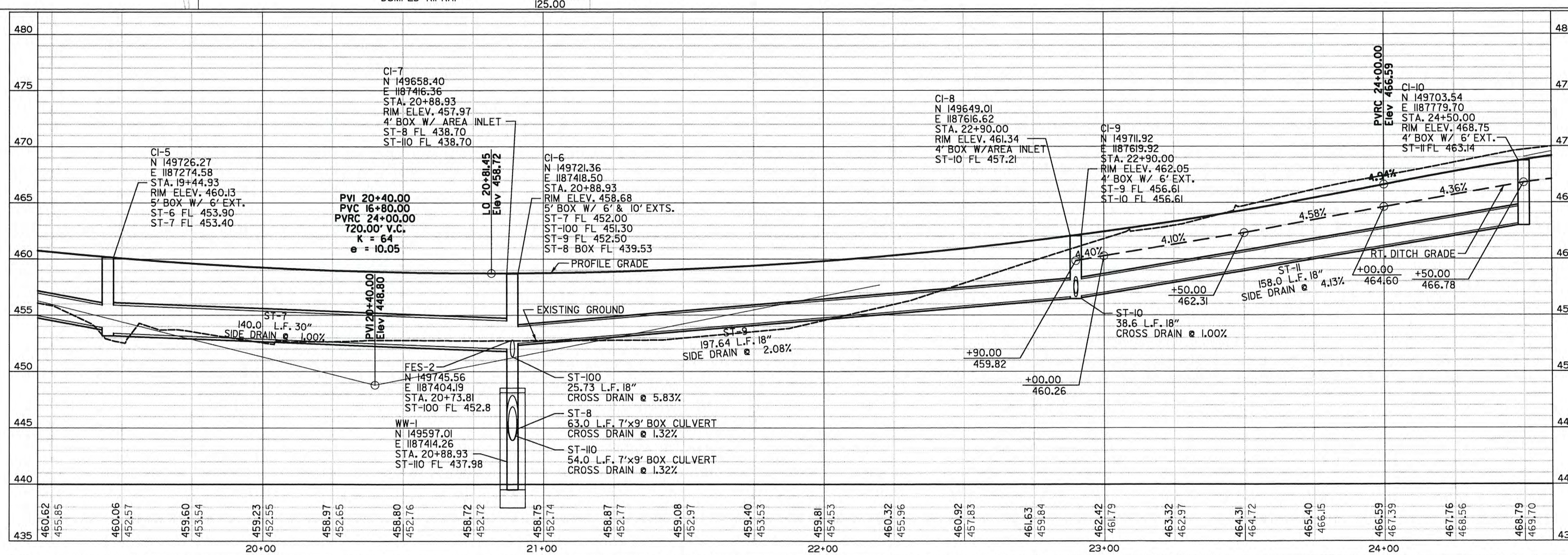
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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

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-88





CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

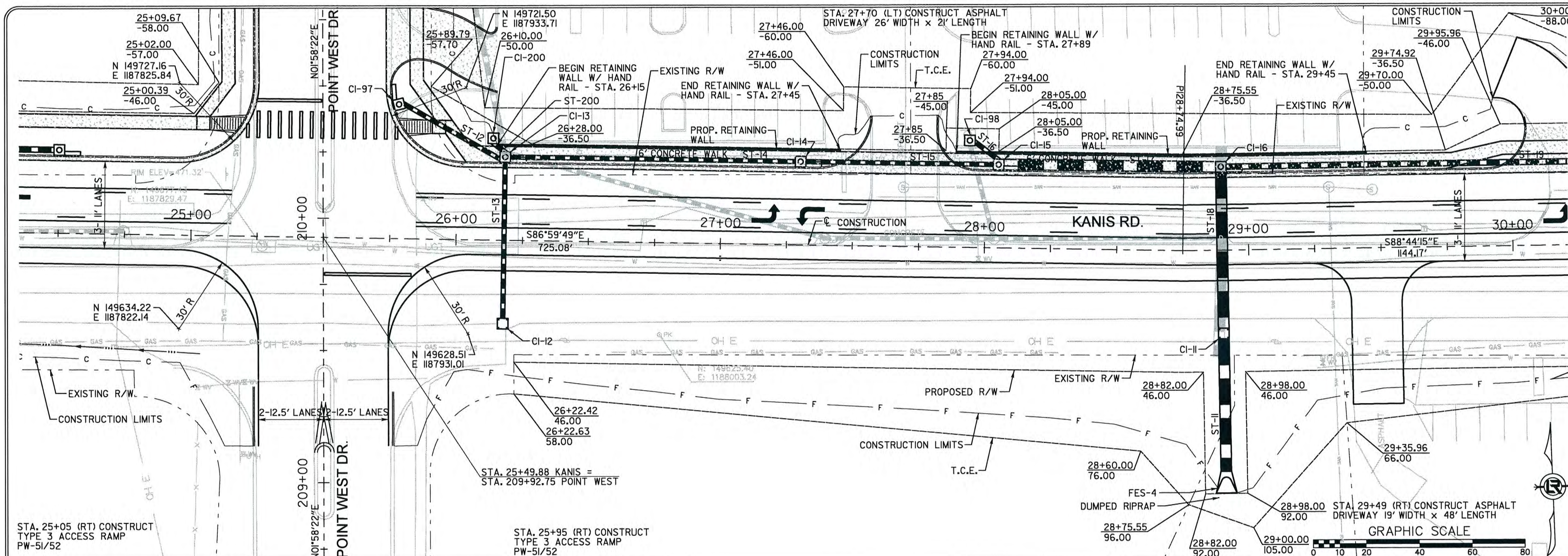
PLAN & PROFILE
KANIS ROAD SHEET 3

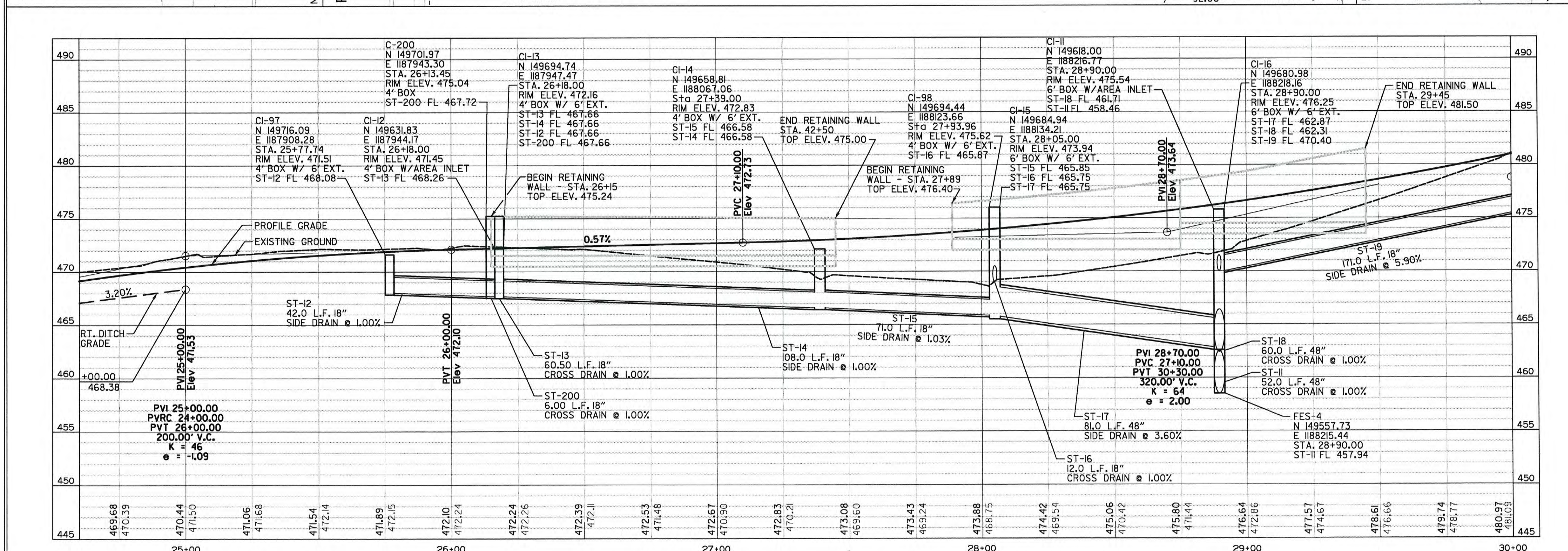
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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

REVISIONS	DATE

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	2 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-89





REVISIONS	DATE

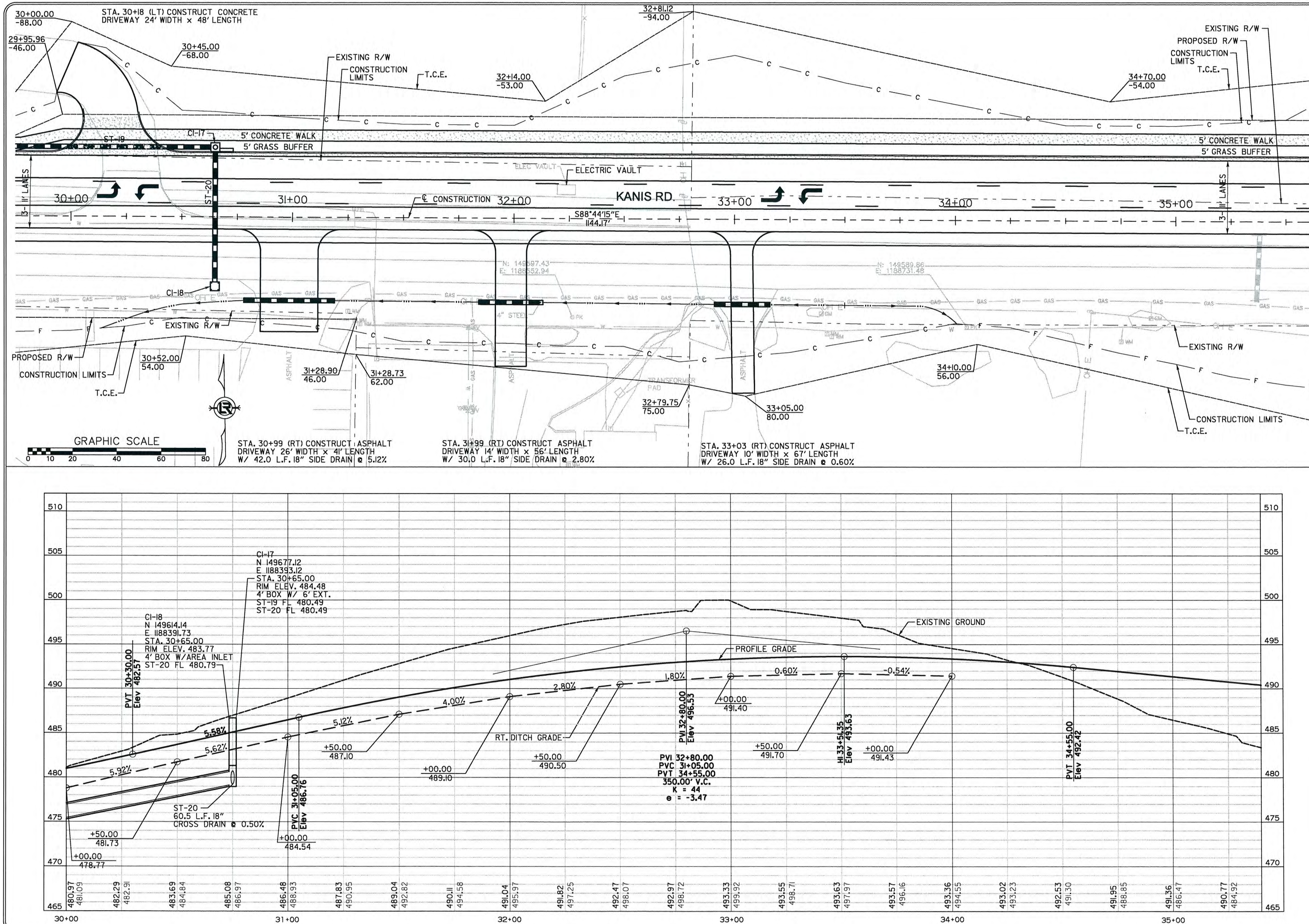
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

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 KEVIN 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-90



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

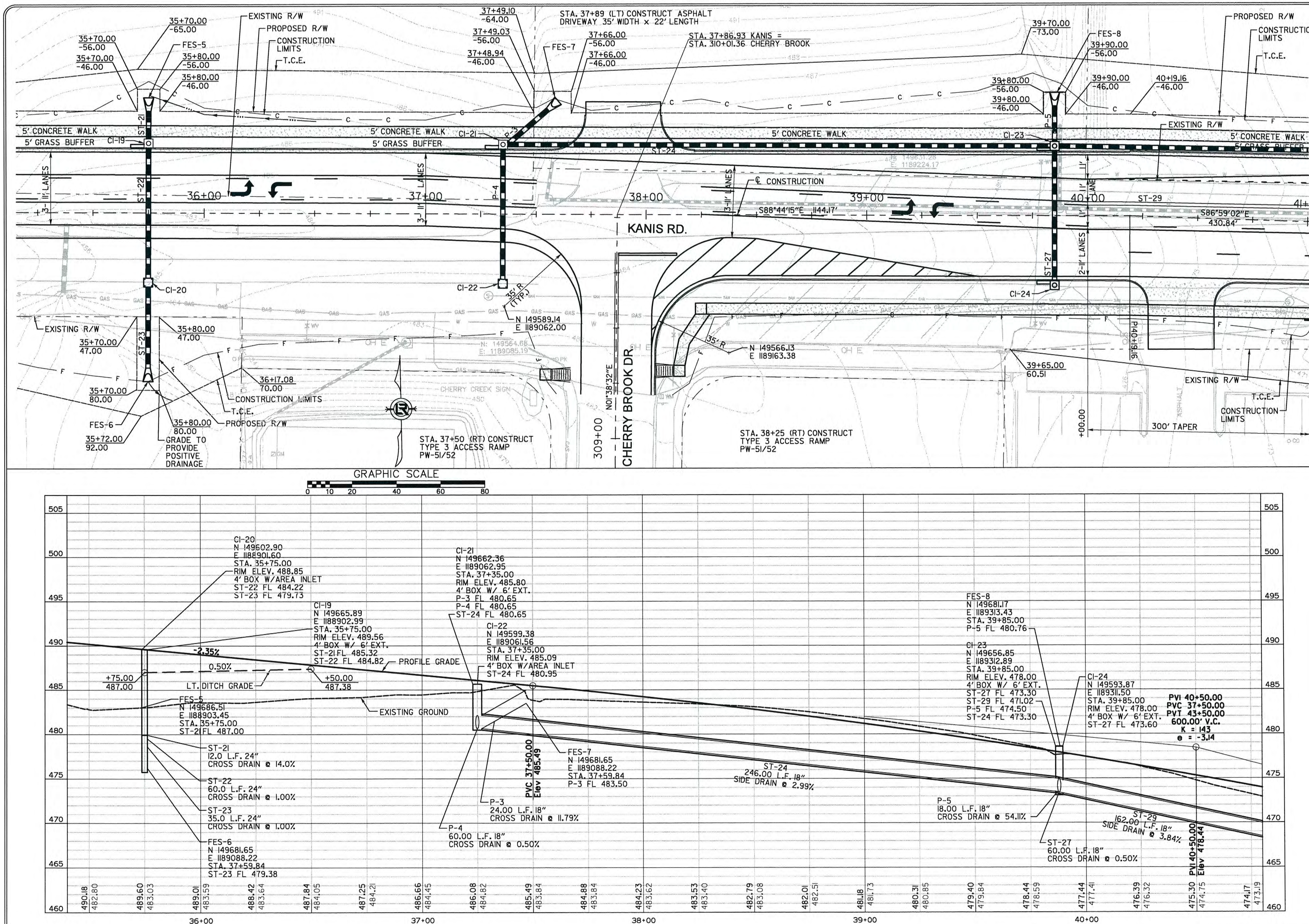
PLAN & PROFILE
KANIS ROAD SHEET 5

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN 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-91



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

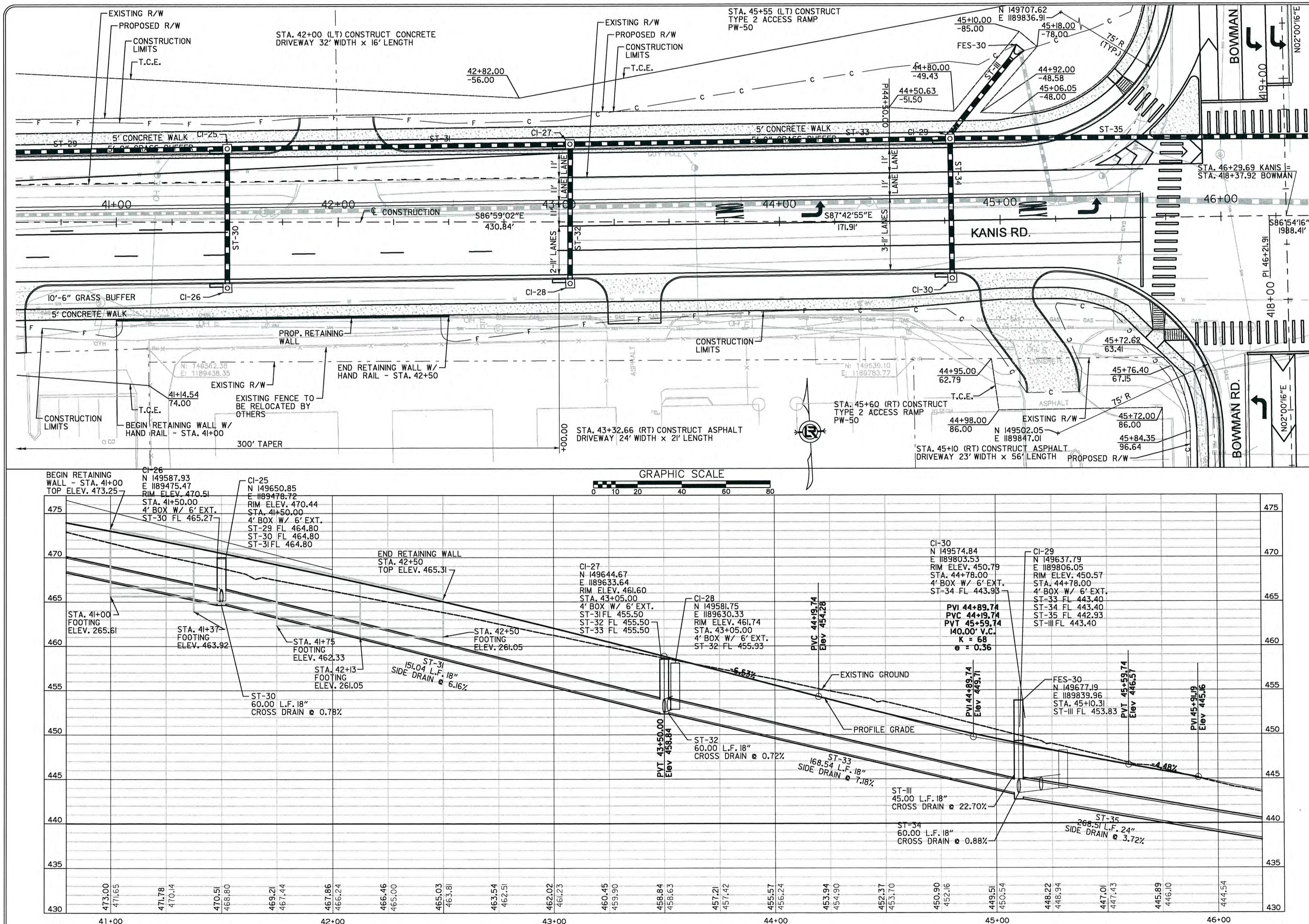
PLAN & PROFILE
KANIS ROAD SHEET 6

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN 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-92



REVISIONS	DATE

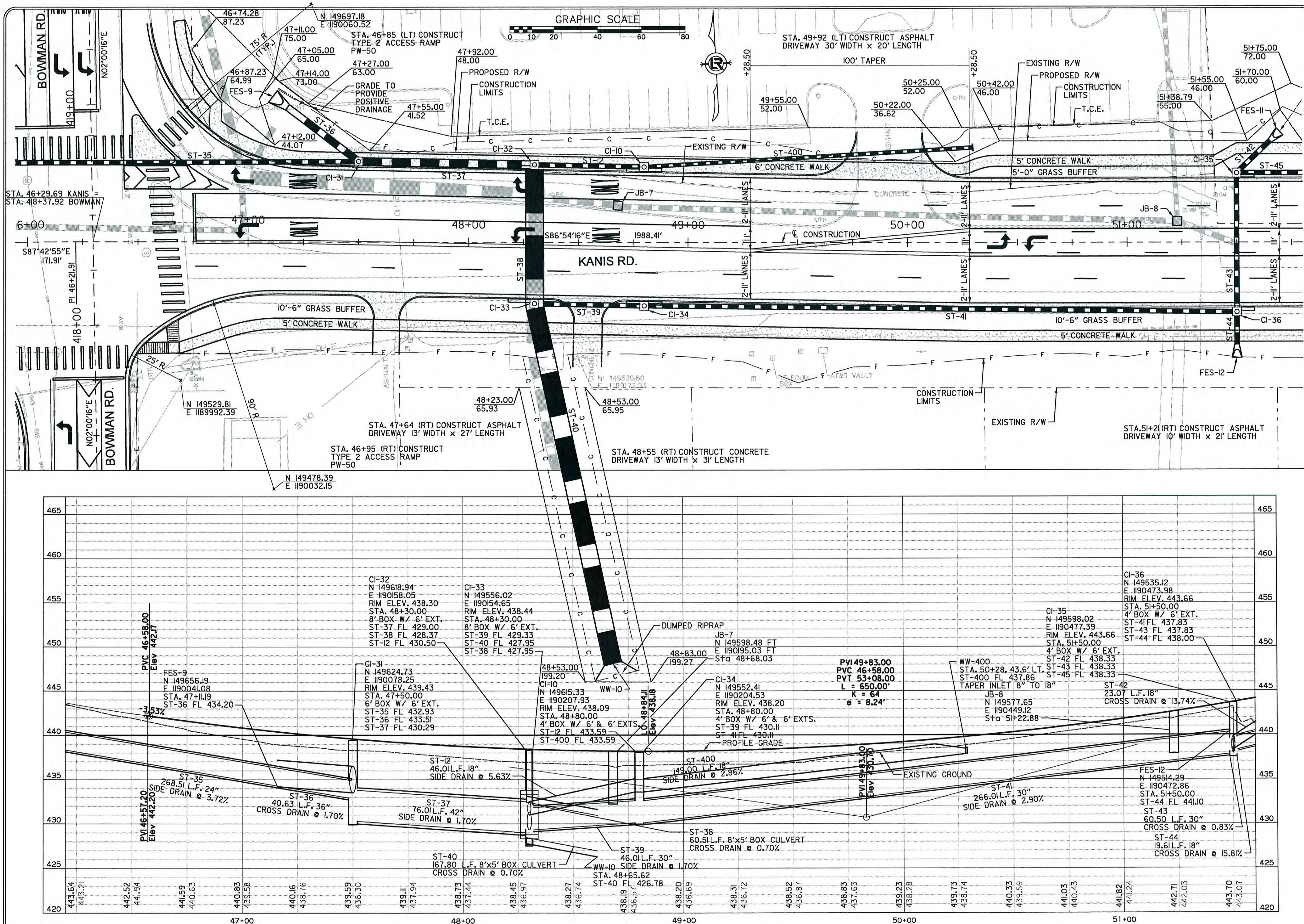
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

PLAN & PROFILE
KANIS ROAD SHEET 7

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN 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-93



CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

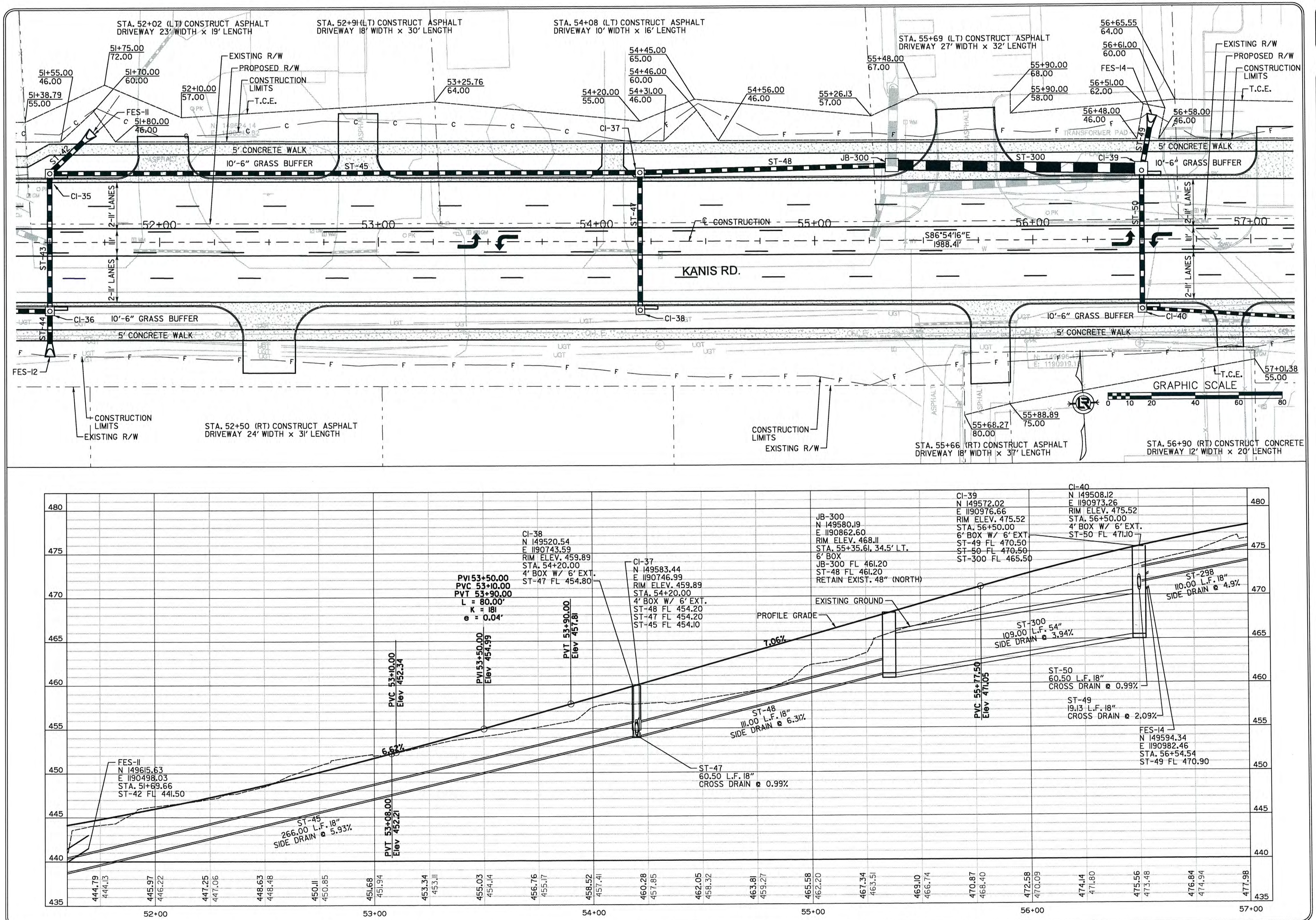
PLAN & PROFILE
KANIS ROAD SHEET 8

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

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

REVISIONS	DATE

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 9

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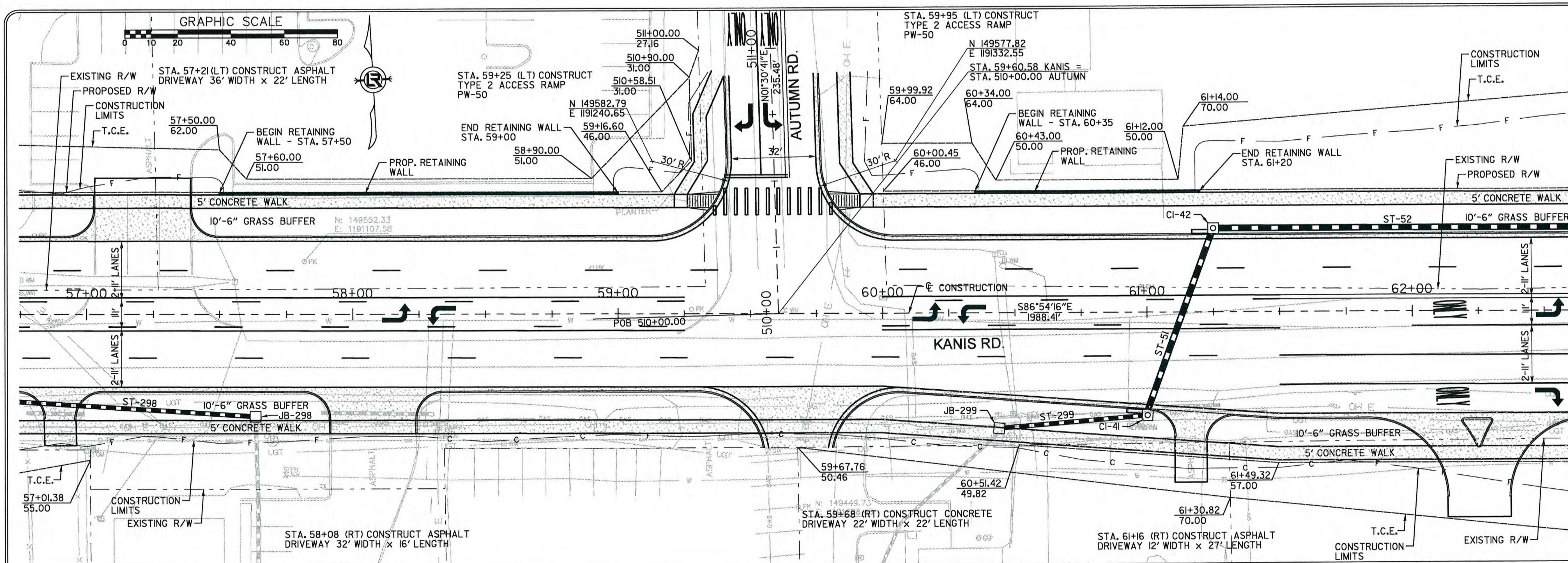
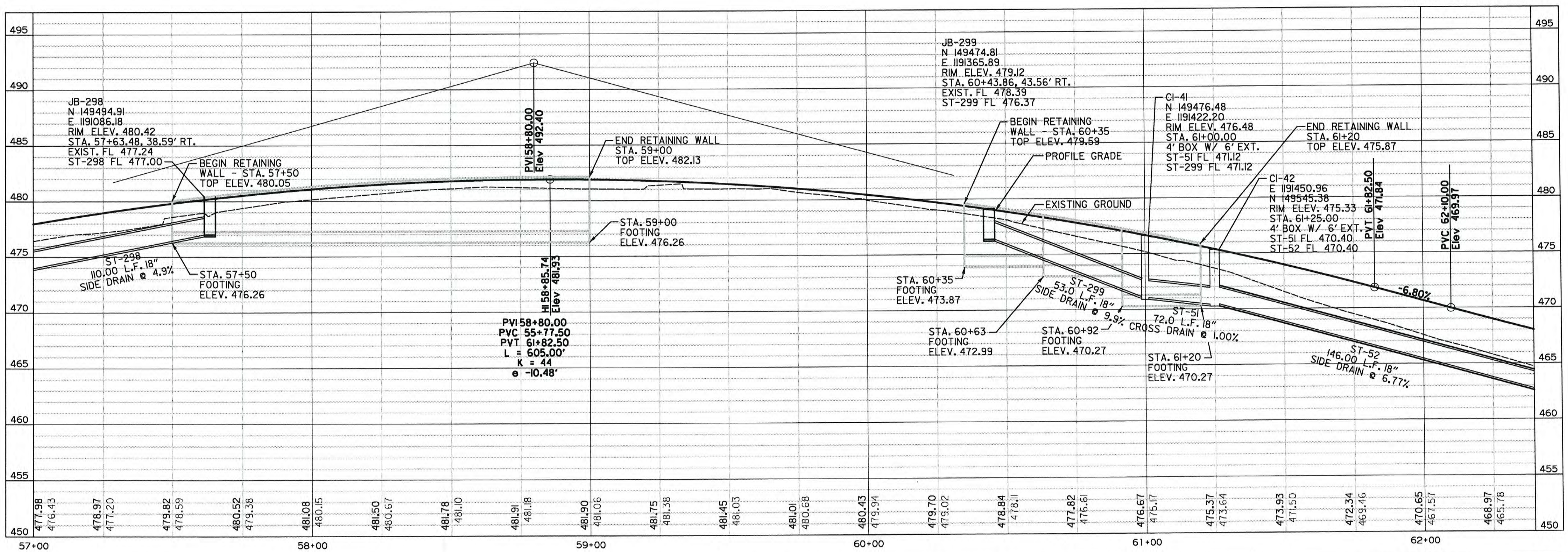
DATE
2 / 24 / 17
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-95





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
KEVIN G. TOBLESKY
3-15-17

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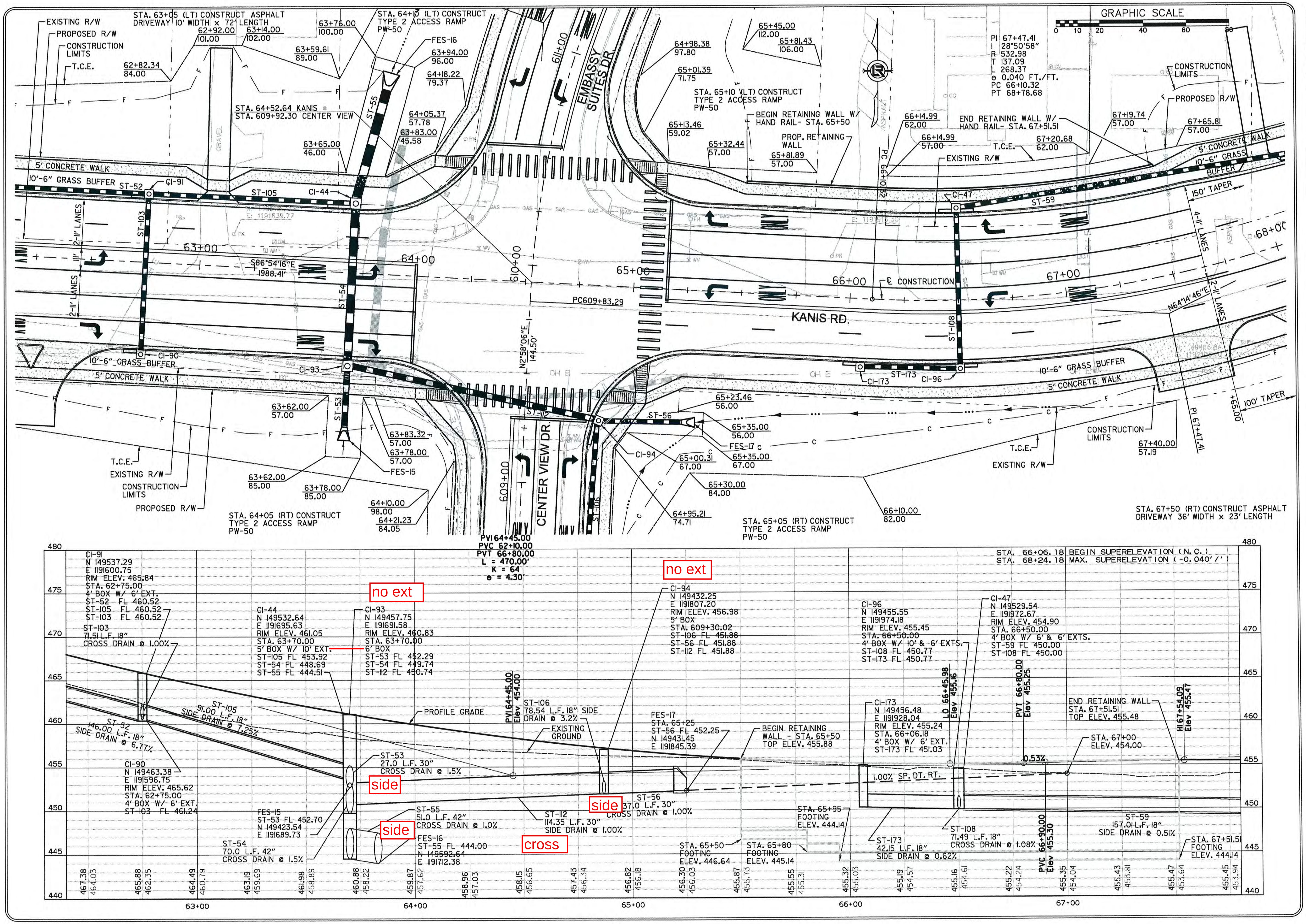
DATE
2 / 24 / 17
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-96



REVISIONS | DATE

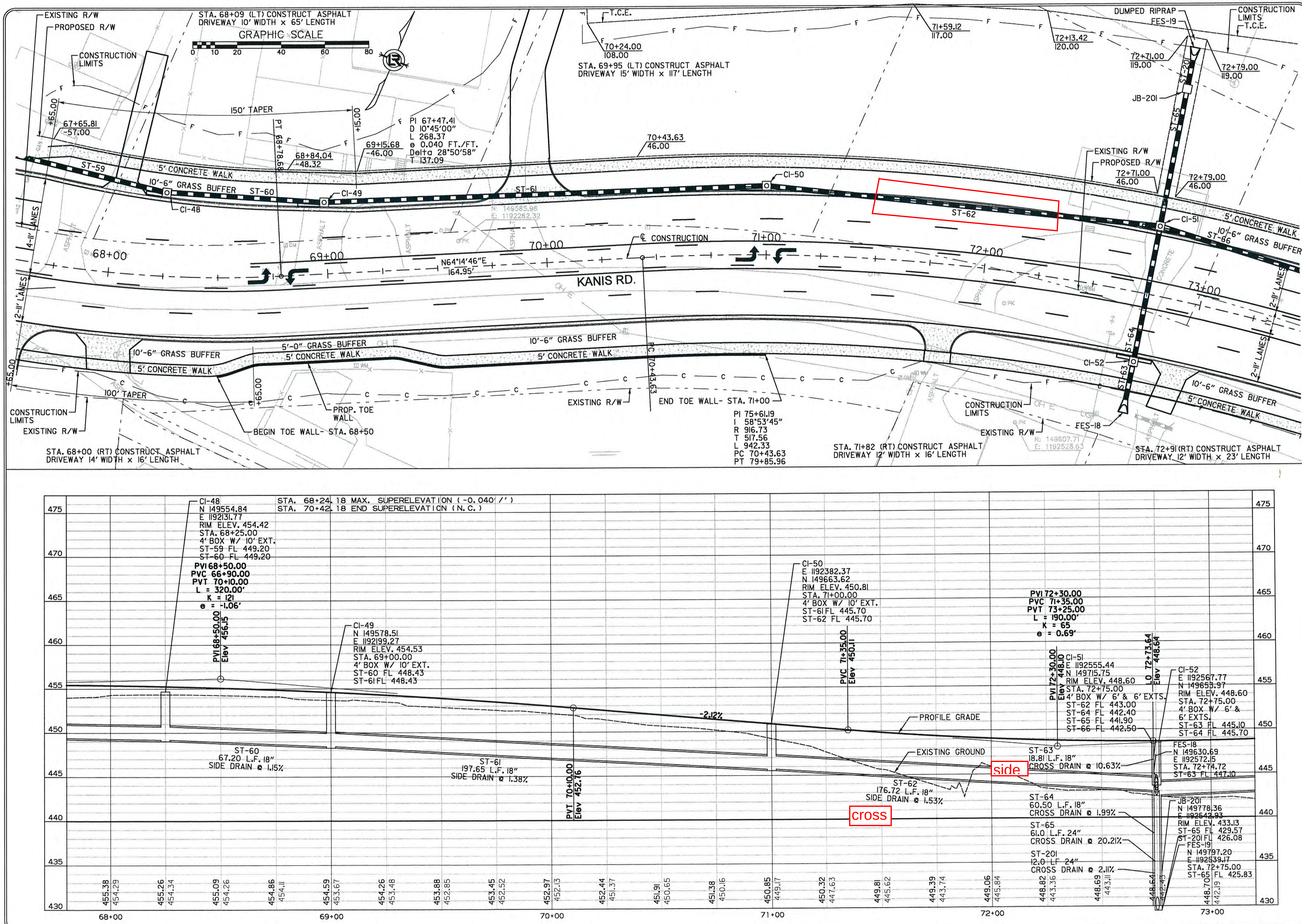
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

PLAN & PROFILE
KANIS ROAD SHEET 11

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN 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-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

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

3-15-17

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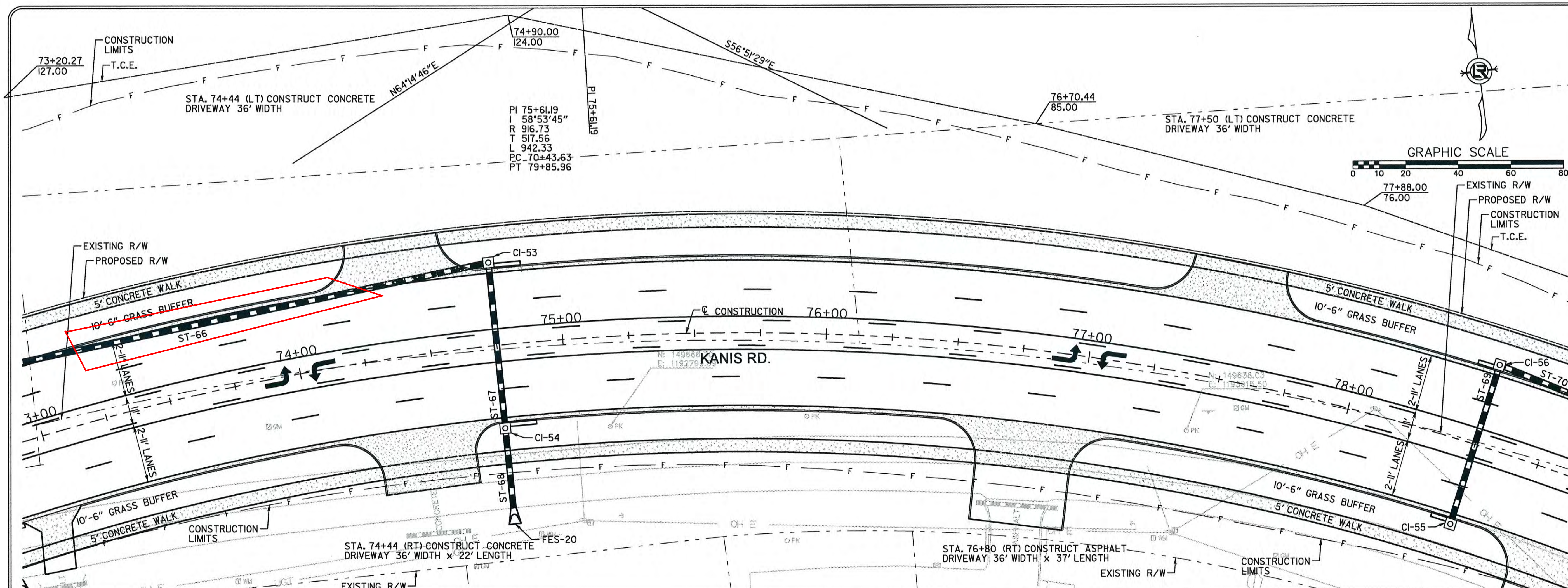
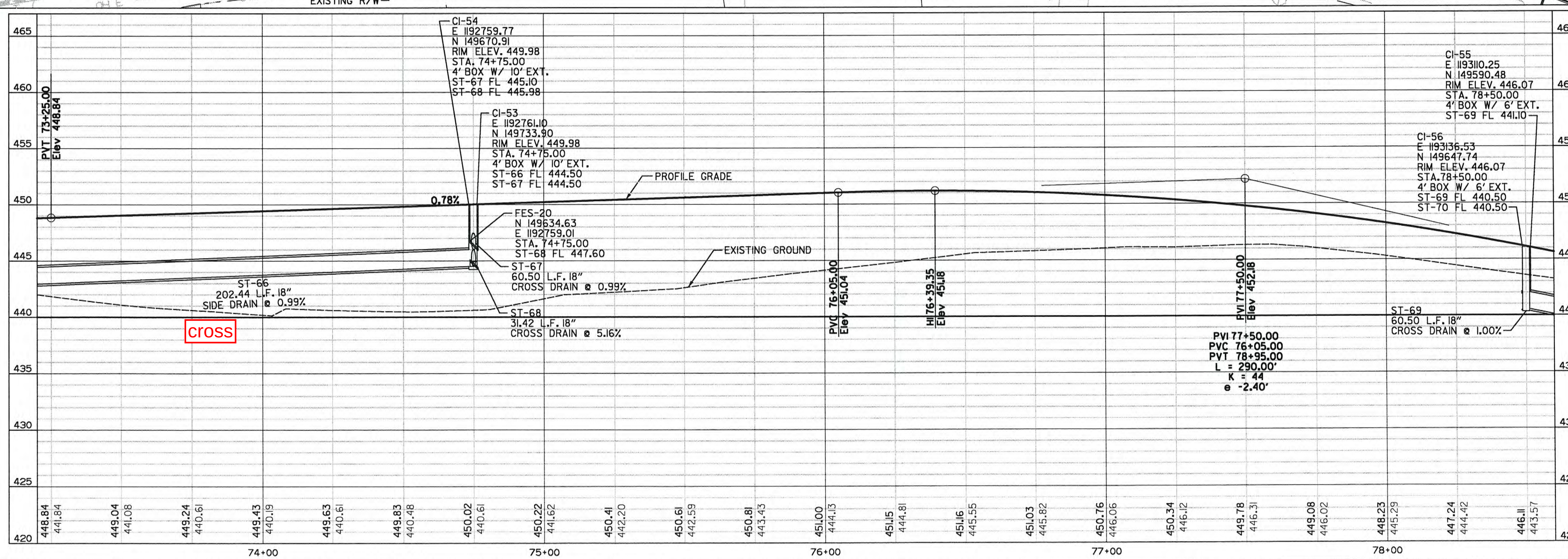
CHECKED
KGT
DATE
2/24/17
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-98





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

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

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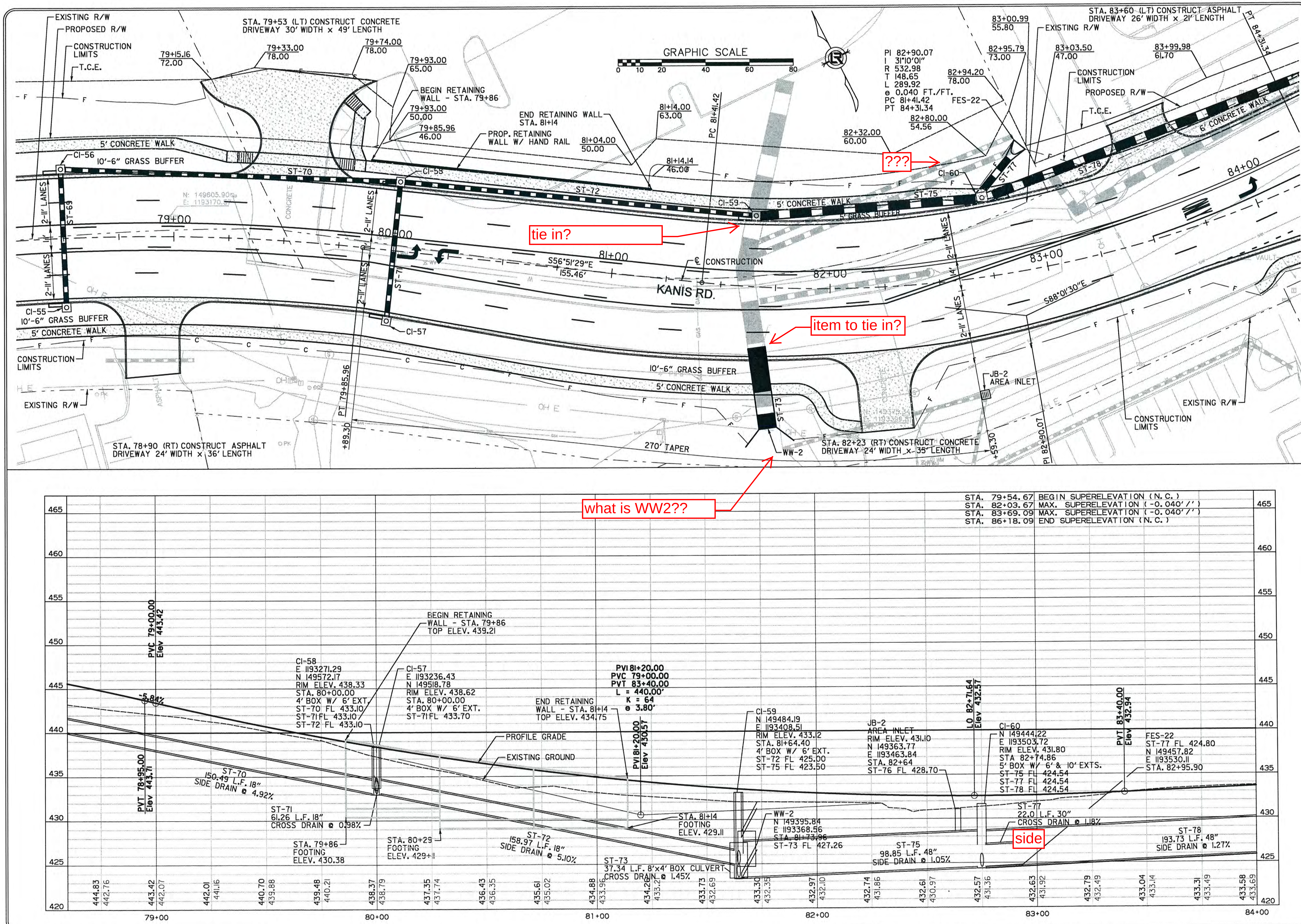
CHECKED
KGT
DATE
2 / 24 / 17
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-99



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

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

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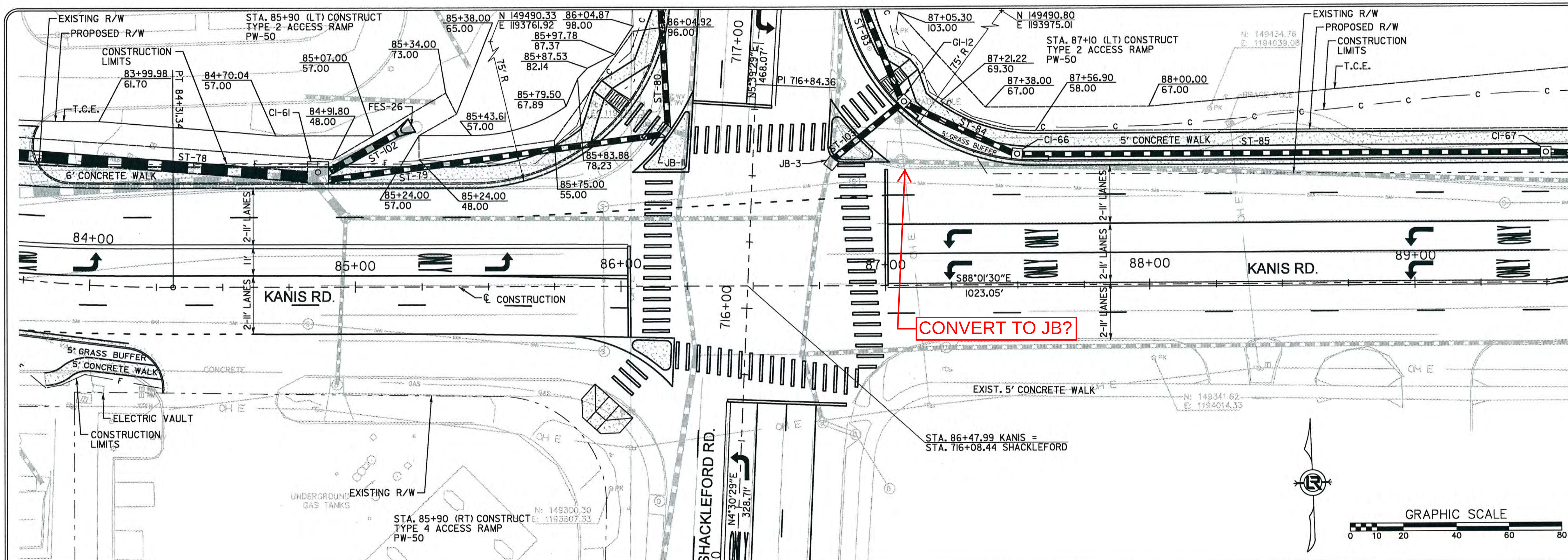
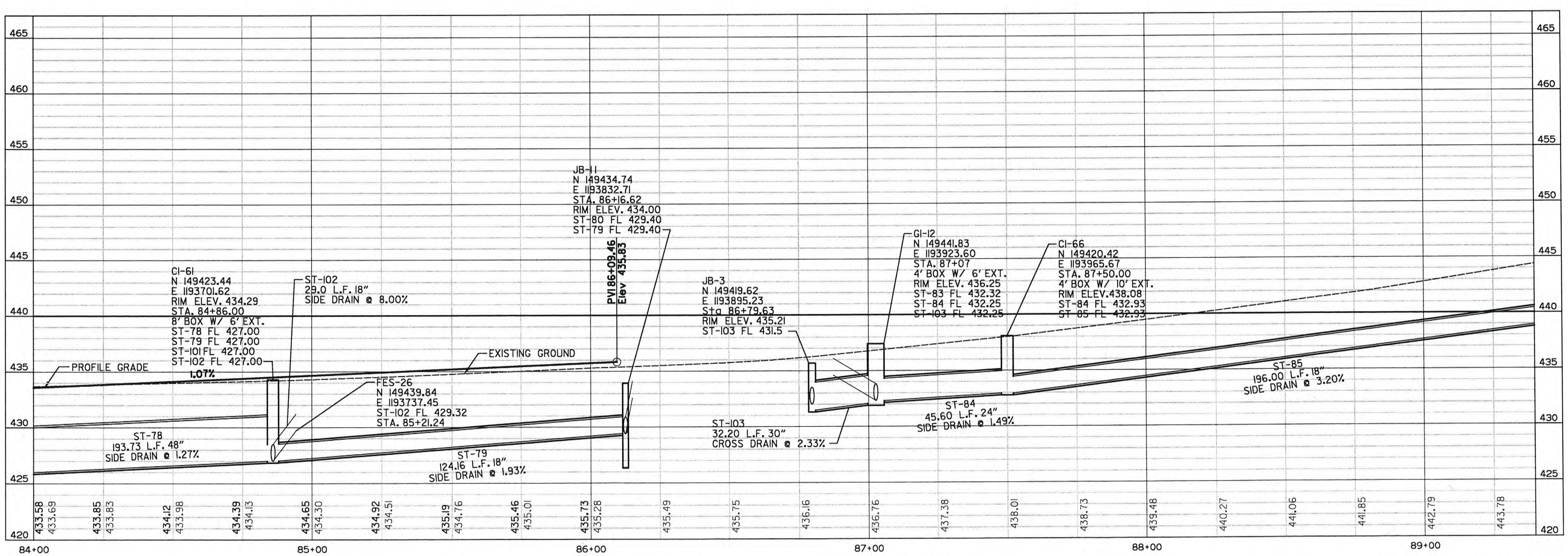
RFR
DESIGNED
RFR
CHECKED
KGT
DATE
2/24/17
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-100





REVISIONS	DATE

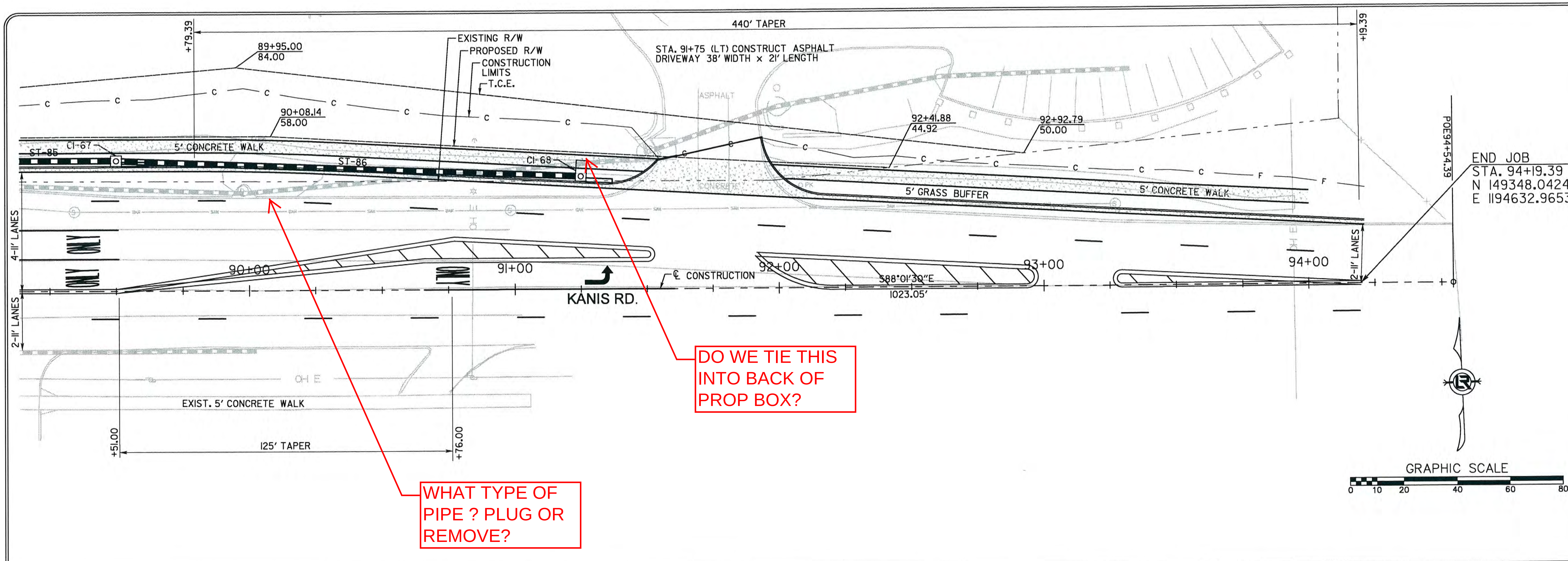
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

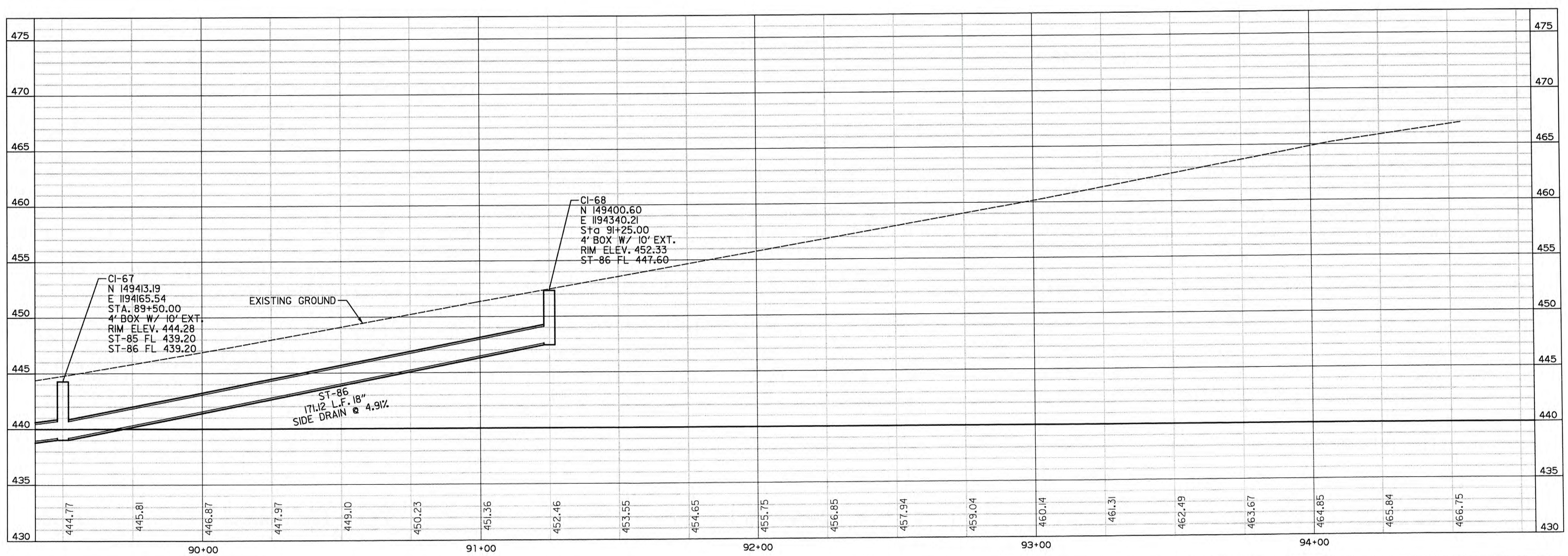
PLAN & PROFILE
KANIS ROAD SHEET 15

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

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

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. TOBLESKY

3-15-17

DRAWN BY
RFR

DESIGNED
RFR

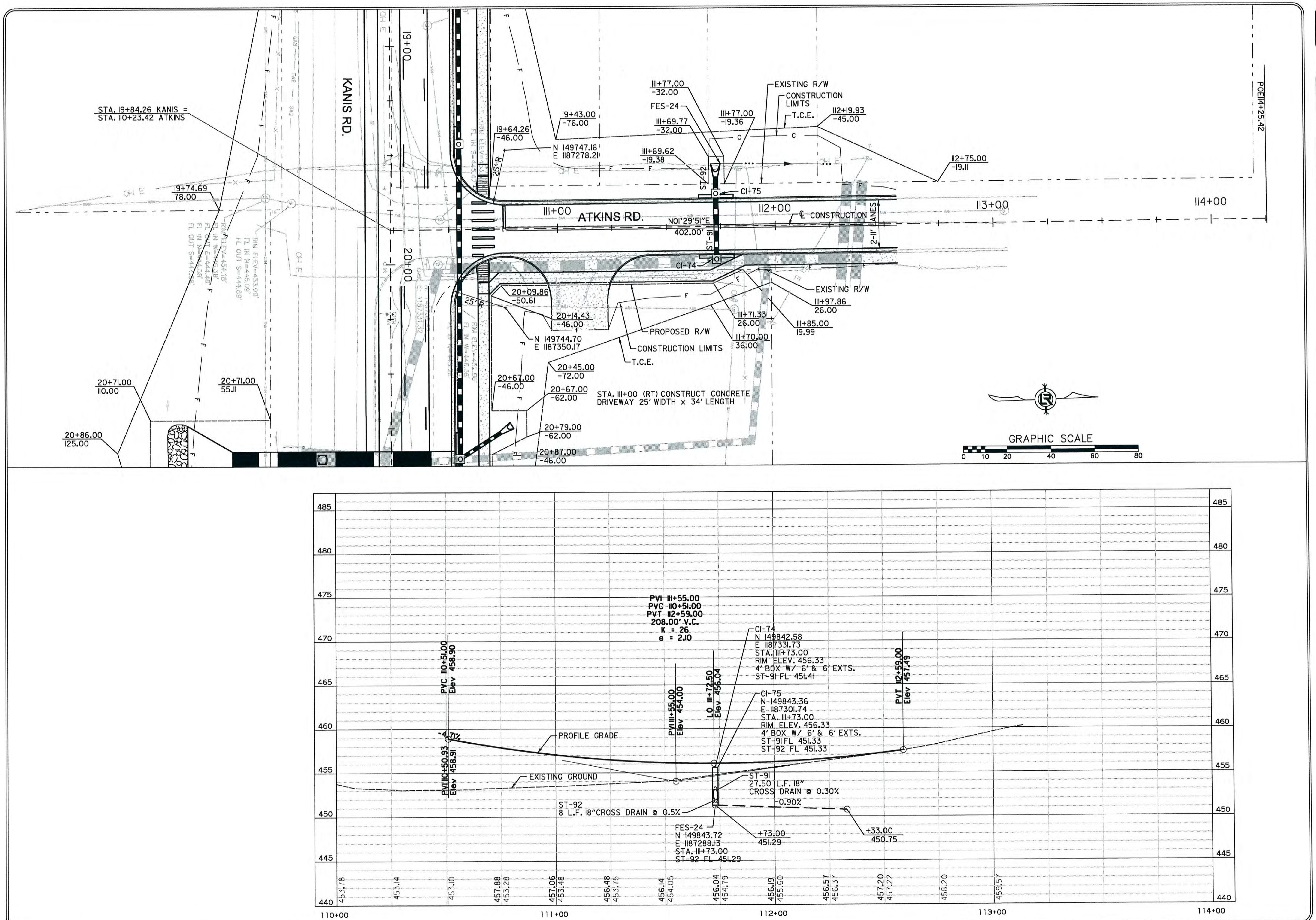
CHECKED
KGT

DATE
2 / 24 / 17

SCALE
1" = 40'

PROJECT NO.
13-B-5D-6A

SHEET NO.
C-102



REVISIONS | DATE

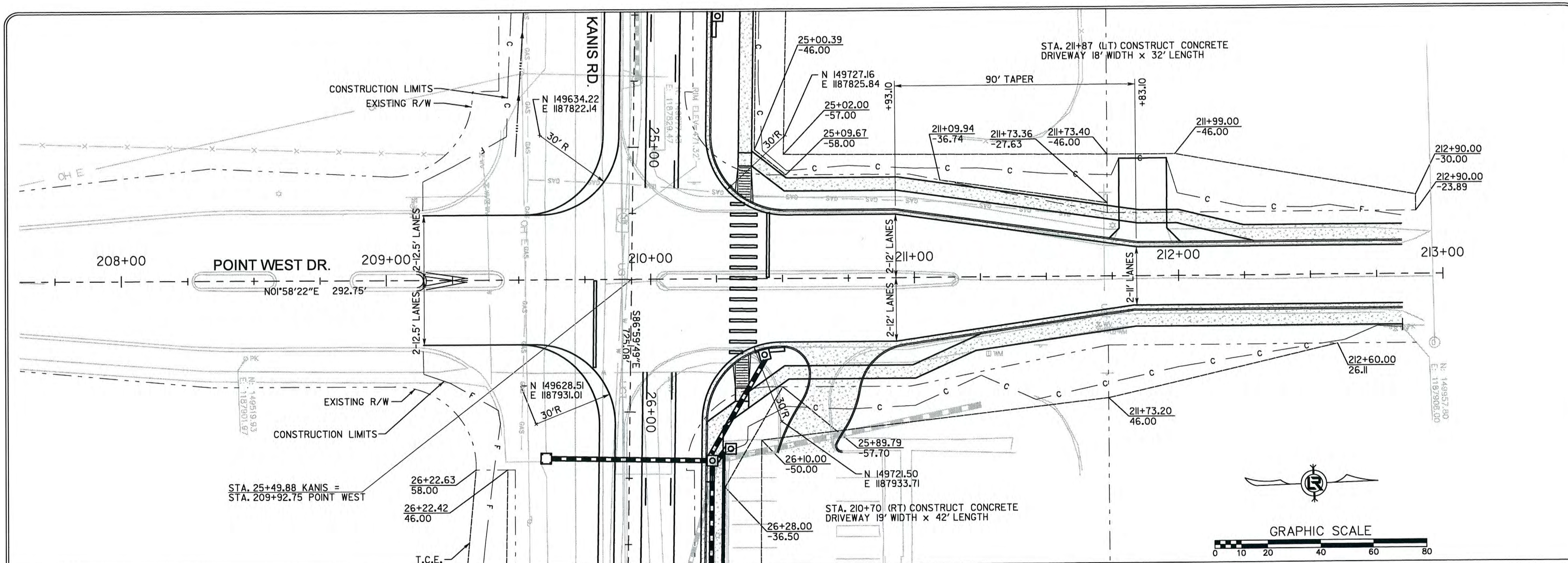
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

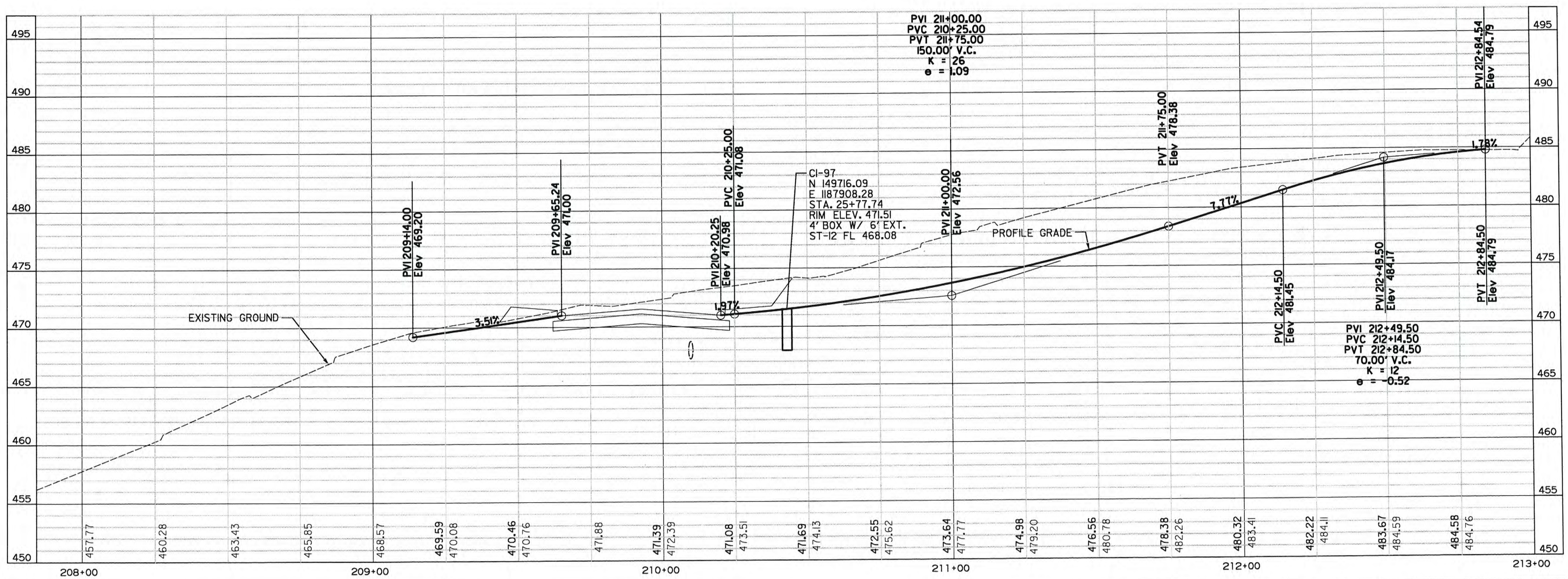
PLAN & PROFILE
ATKINS ROAD

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN 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-103





REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

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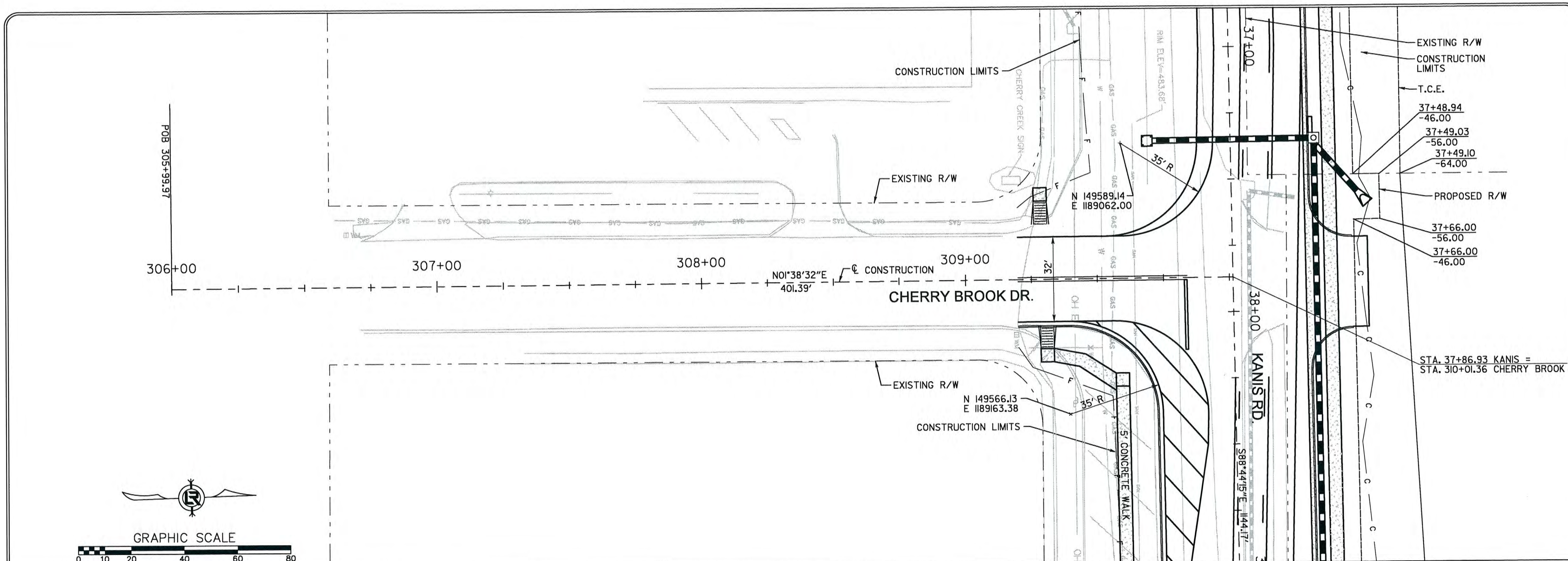
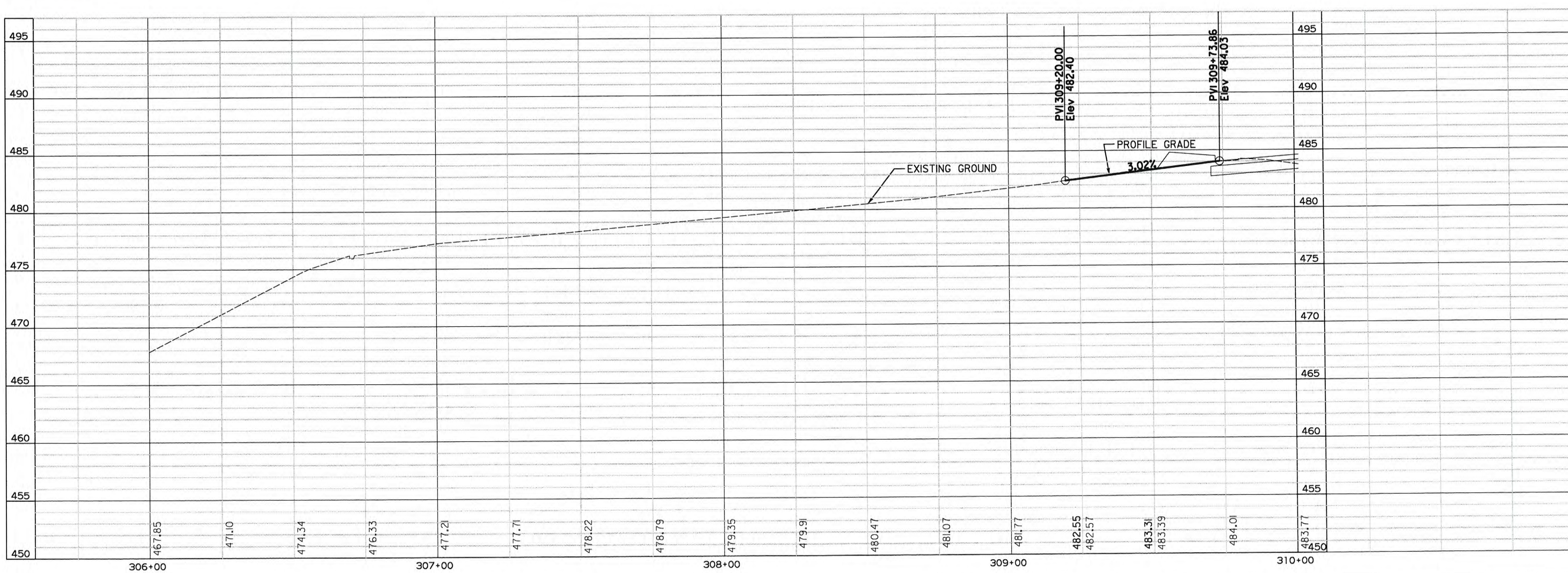
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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

DRAWN BY	RFR
DESIGNED	RFR
CHECKED	KGT
DATE	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
KEVIN G. TOBLESKY
3-15-17

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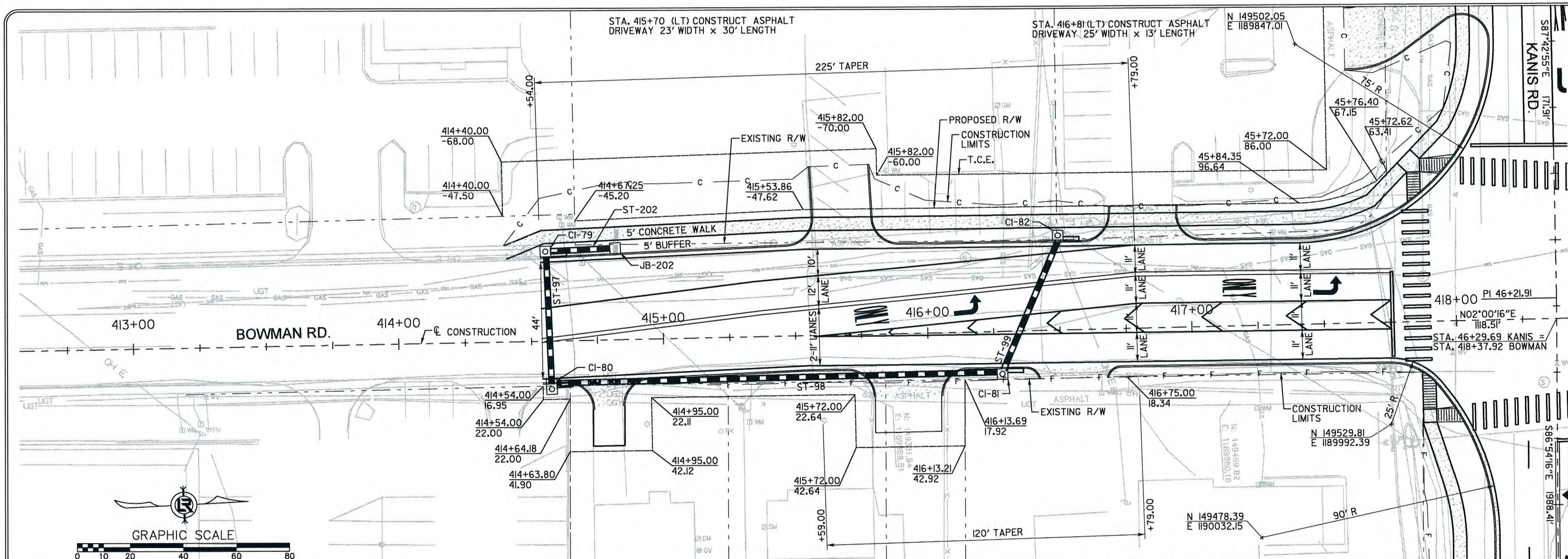
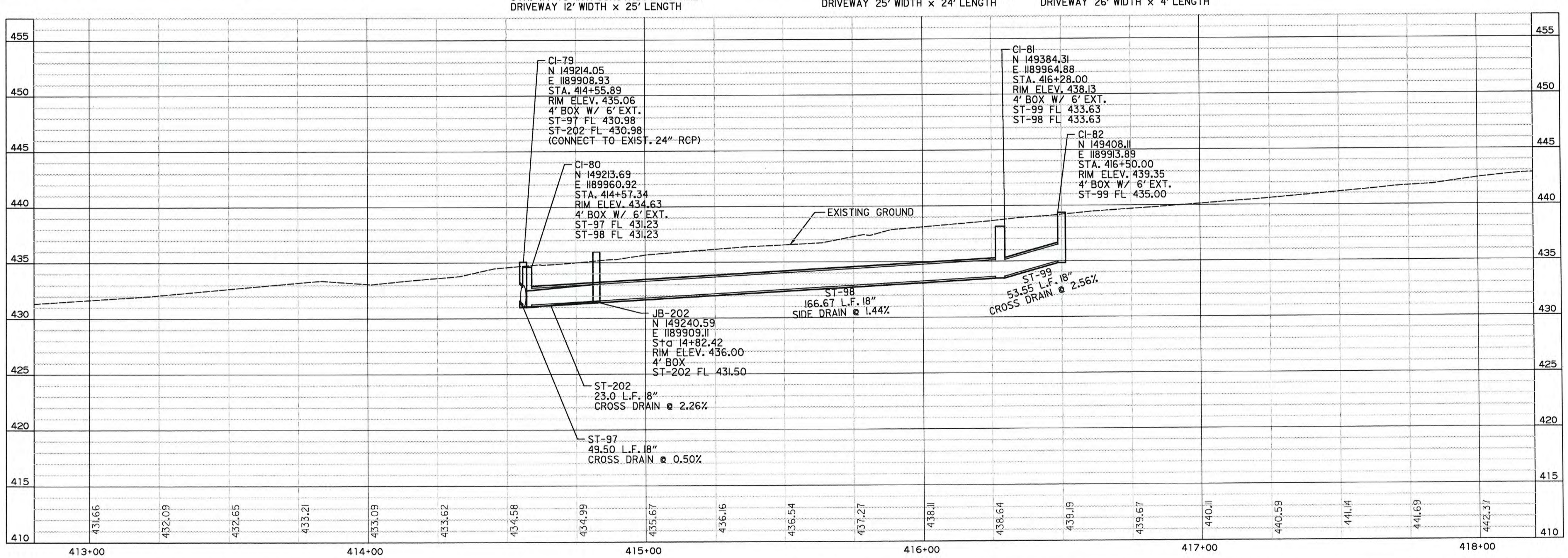
RFR
DESIGNED
RFR
CHECKED
KGT
DATE
2 / 24 / 17
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-105



STA. 414+79 (RT) CONSTRUCT ASPHALT DRIVEWAY 12' WIDTH x 25' LENGTH

STA. 415+92 (RT) CONSTRUCT ASPHALT DRIVEWAY 25' WIDTH x 24' LENGTH

STA. 416+55 (RT) CONSTRUCT ASPHALT DRIVEWAY 26' WIDTH x 4' LENGTH



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
No. 11427
KEVIN G. TOBLESKY

3-15-17

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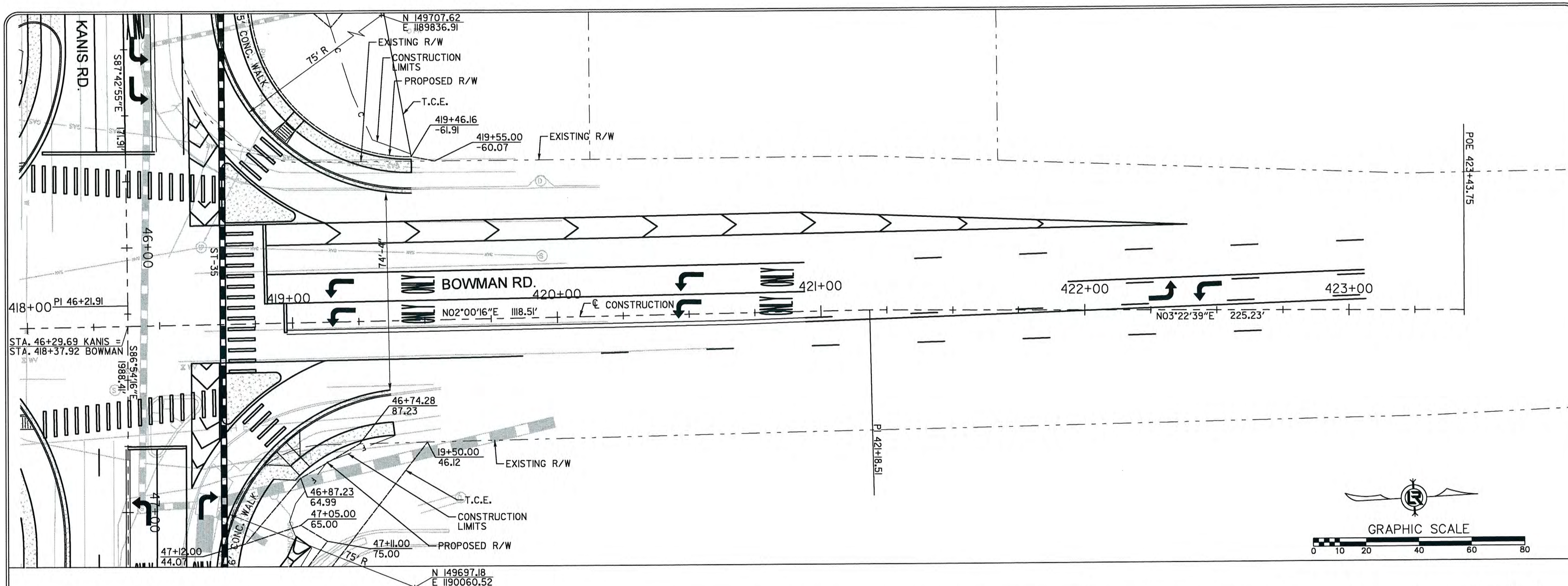
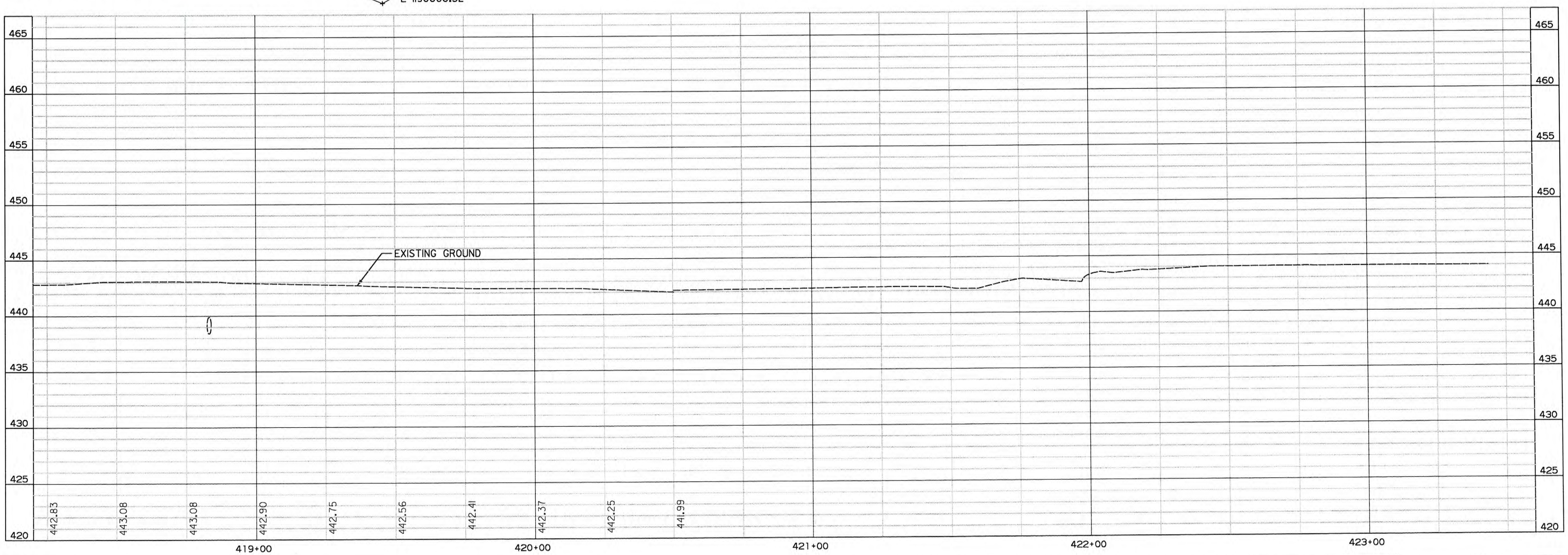
RFR
DESIGNED
RFR
CHECKED
KGT
DATE
2 / 24 / 17
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-106





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
No. 11427
KEVIN G. TOBLESKY
3-15-17

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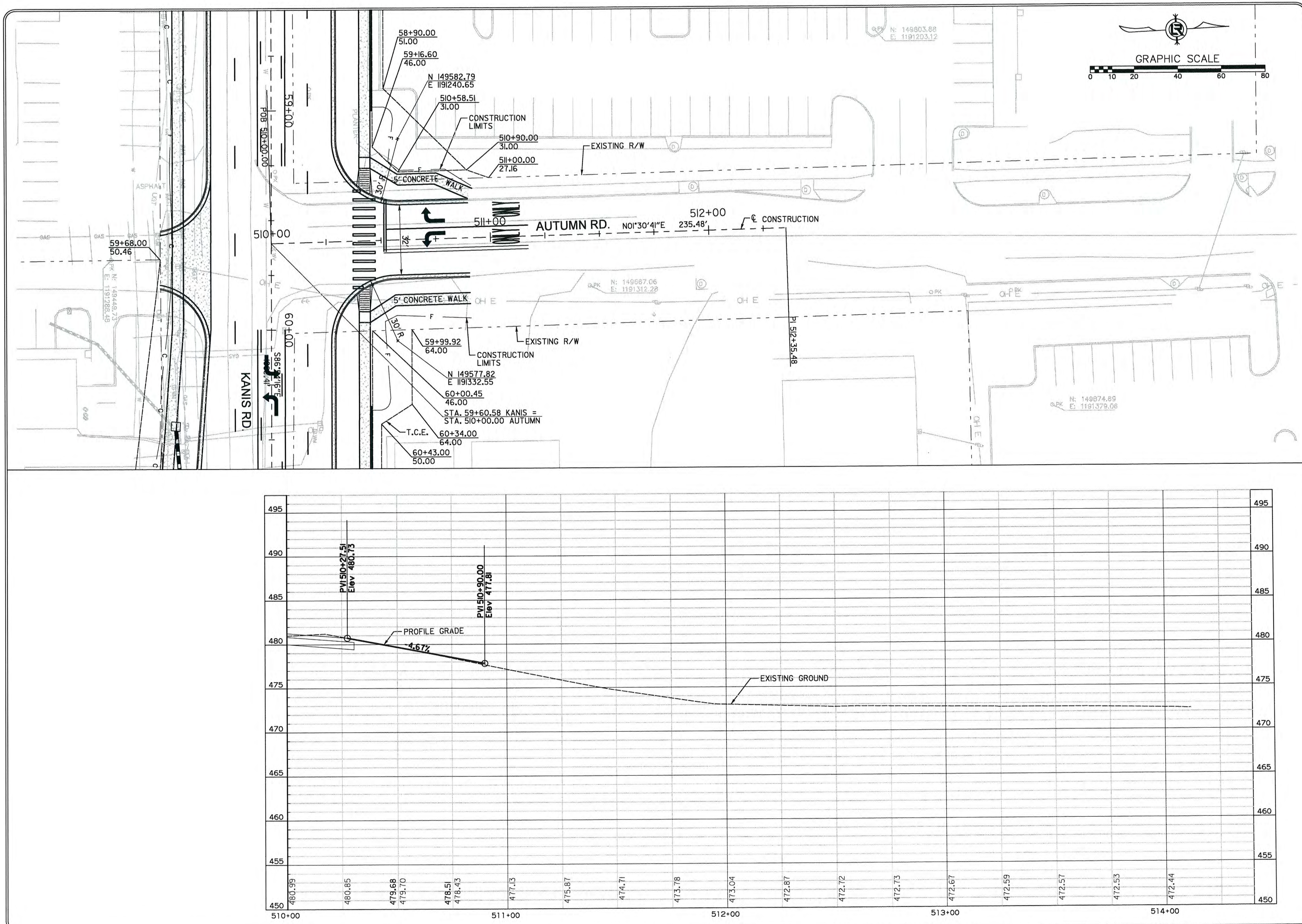
DESIGNED	RFR
CHECKED	KGT
DATE	2 / 24 / 17
SCALE	1" = 40'
PROJECT NO.	13-B-5D-6A
SHEET NO.	C-107



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

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

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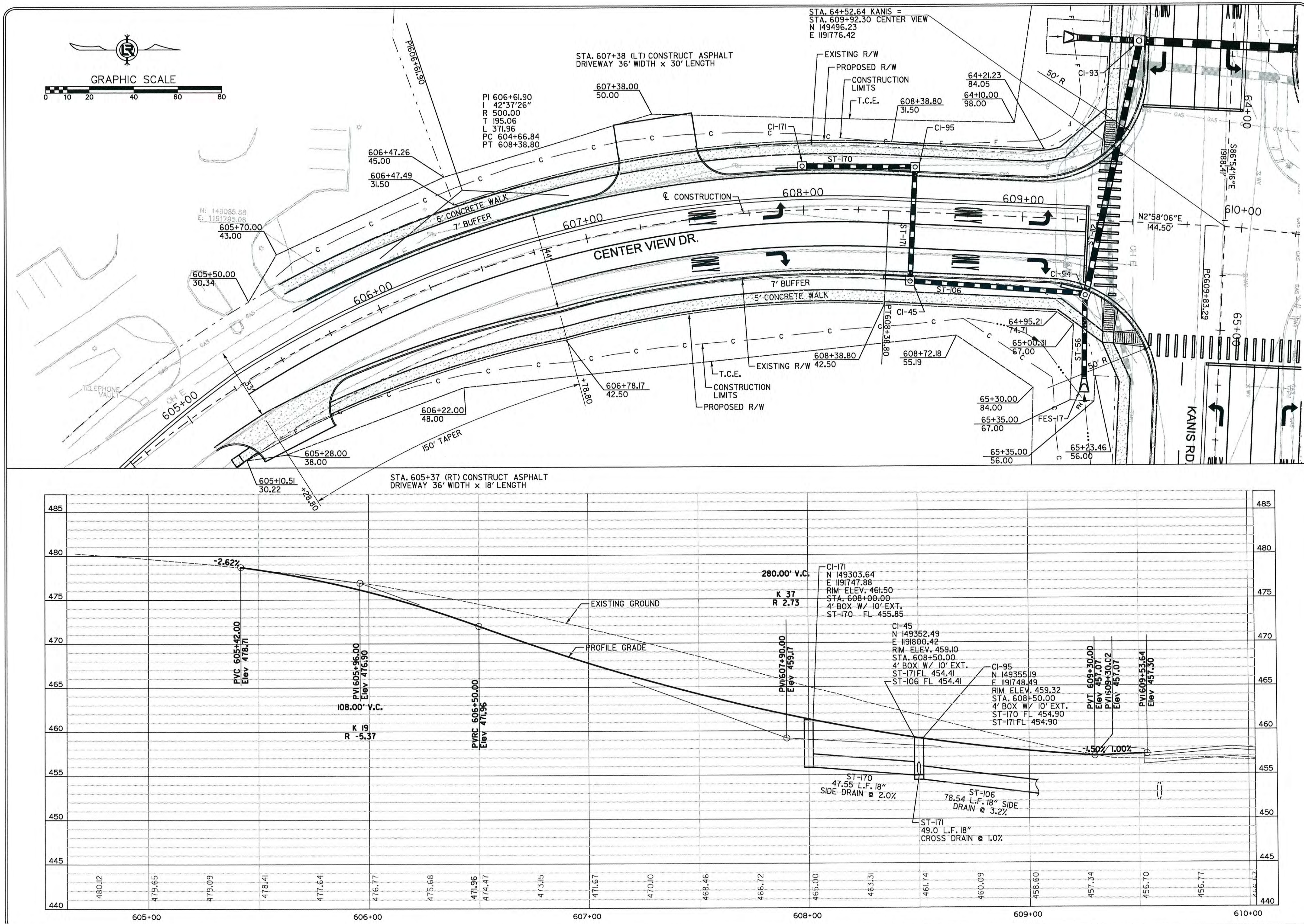
RFR
DESIGNED
RFR
CHECKED
KGT
DATE
2 / 24 / 17
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-108



REVISIONS | DATE

CITY OF LITTLE ROCK, ARKANSAS

KANIS ROAD

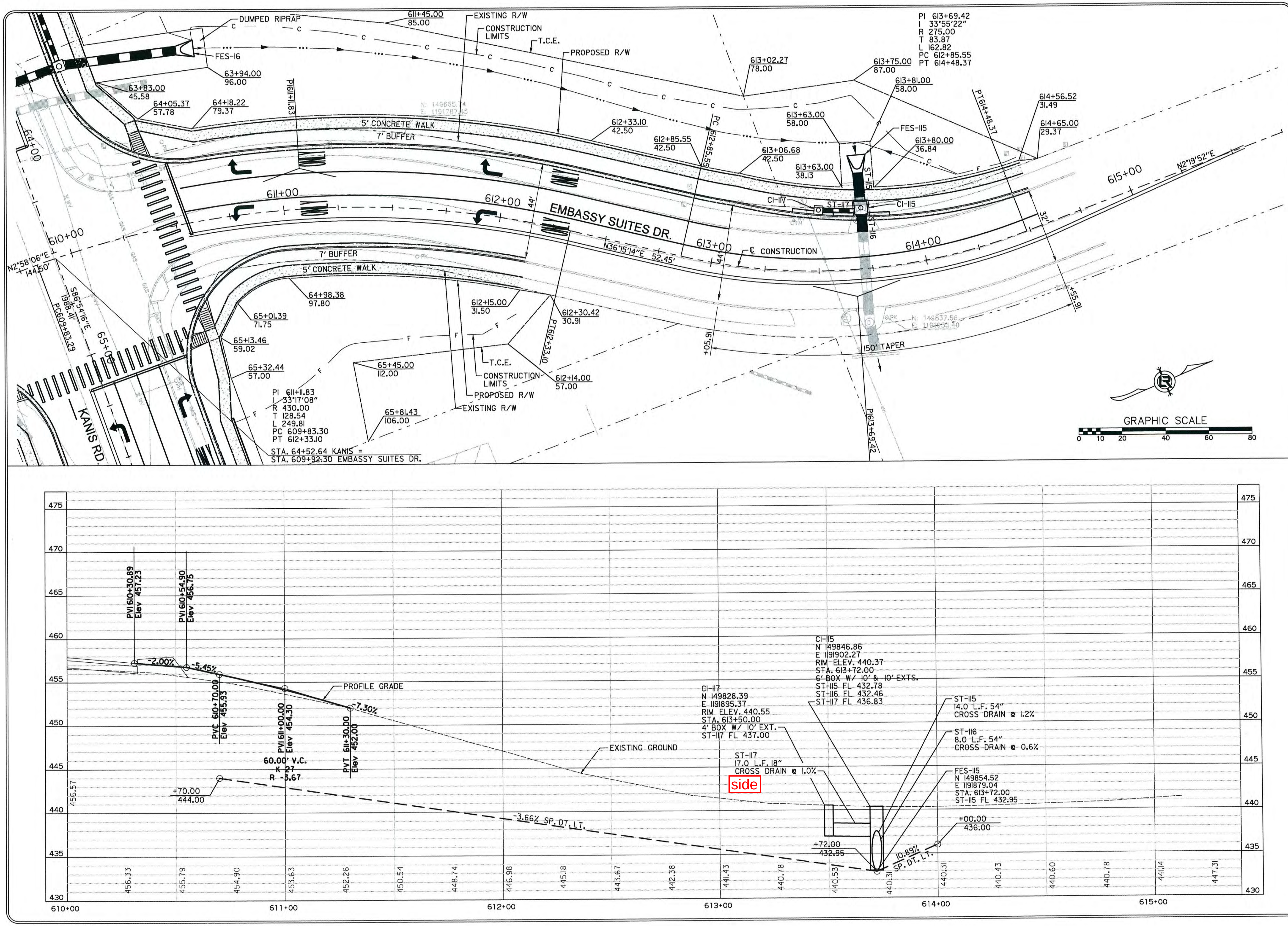
PLAN & PROFILE
CENTER VIEW DRIVE

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN 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-109



REVISIONS | DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

PLAN & PROFILE
EMBASSY SUITES DRIVE

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

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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

STATE OF ARKANSAS
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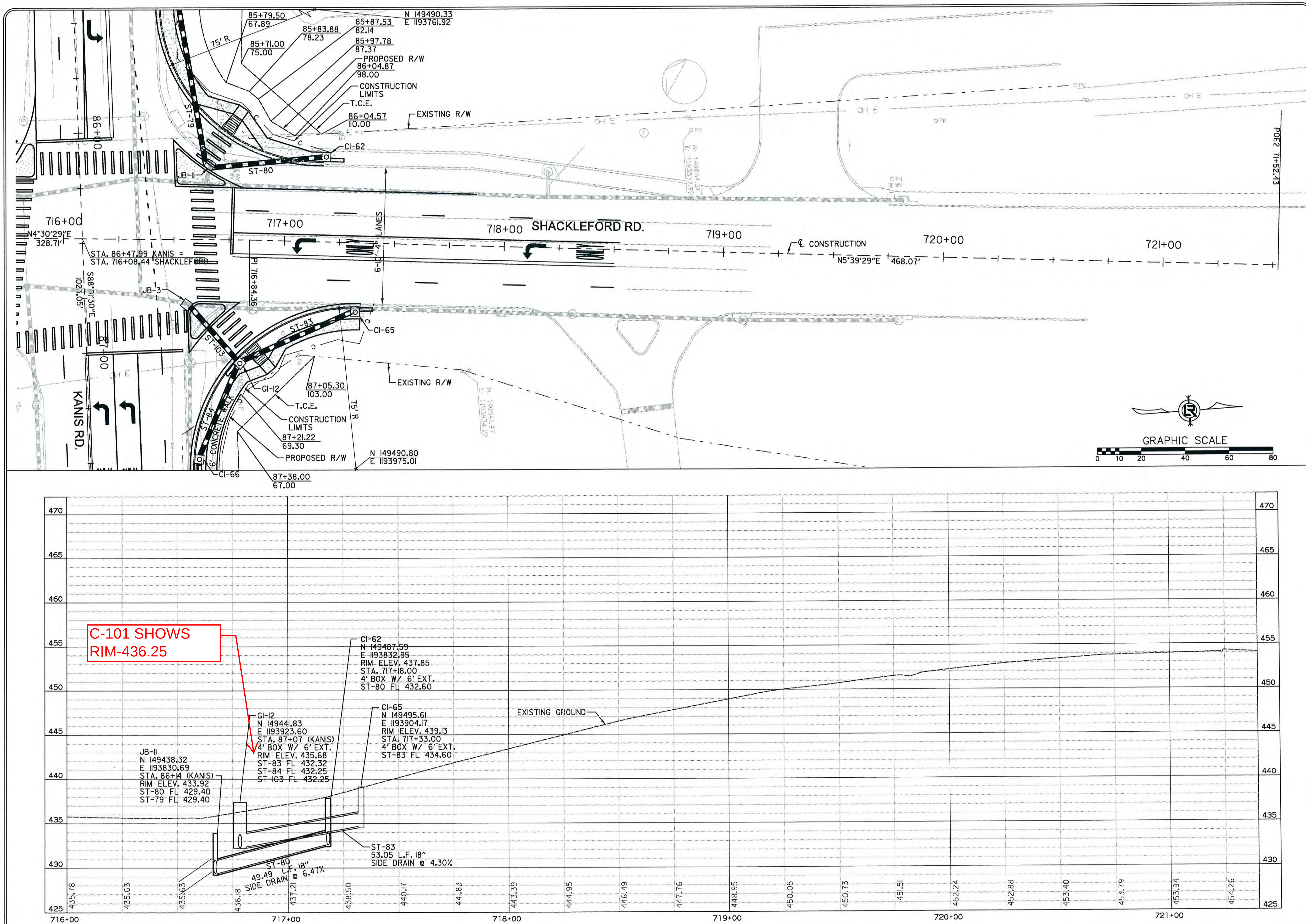
SCALE
1" = 40'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-111



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 No. 11427 KEVIN G. TOBLESKY

3-15-17

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RFR
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RFR
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KGT
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 RAINTIGHT 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

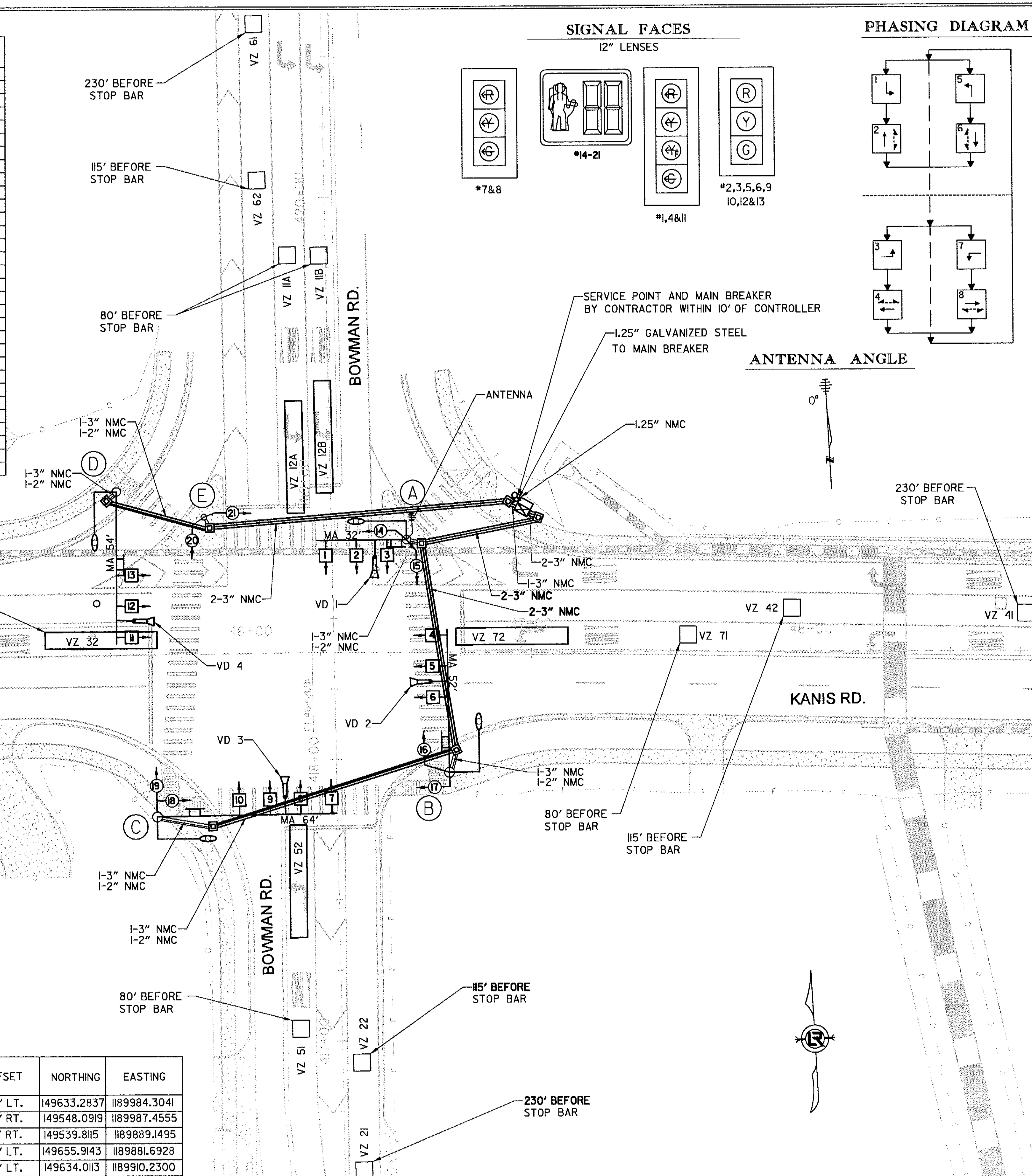
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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
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, 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.)	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



LEGEND

- TYPE 2 PULL BOX
- CONTROLLER CABINET
- SIGNAL HEAD
- PED. HEAD
- SIGNAL POLE, MAST ARM AND LUMINAIRE ARM
- NMC - NON METALLIC CONDUIT
- VIDEO DETECTOR
- 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

REVISIONS	DATE

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

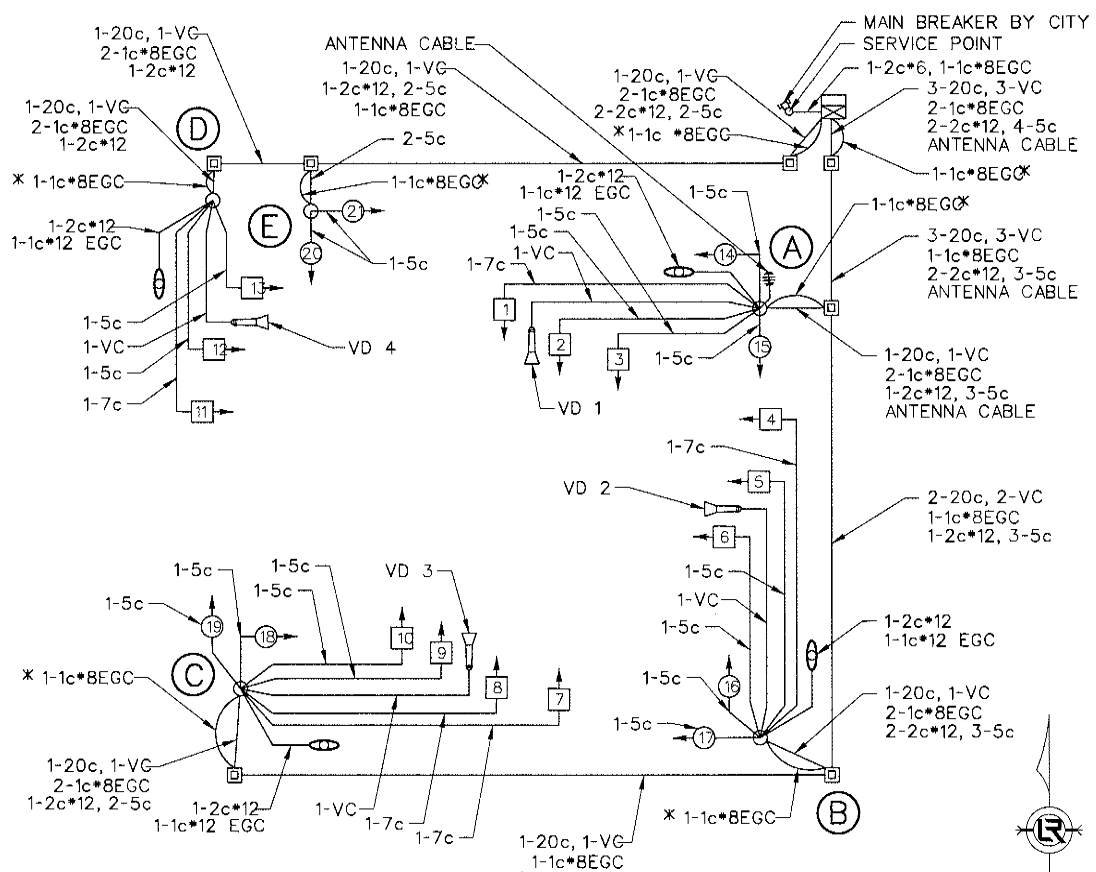
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 9418 BRIAN L. VINES
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-114

DETECTOR CHART

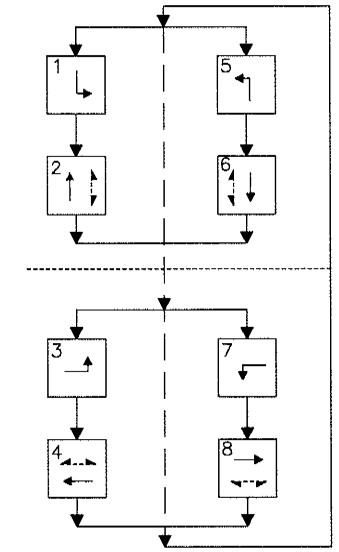
DETECTOR ASSIGNMENTS				HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS			VIDEO DET. TUBE LENGTH	COMMENT
DETECTOR I.D.*	DIRECTION & LOCATION	TYPE	DET. *	CAB. TRM. *	AMP CHN. *	CON. INP. *	LOCAL PHS.	LOCAL SYS. DET.*	MSTR. SYS. DET.*		
VZ 11A	SB LEFT FAR	LOCAL				V1	1			23"	VD3
VZ 11B	SB LEFT FAR	LOCAL				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				



TYPICAL WIRING INCLUDES:

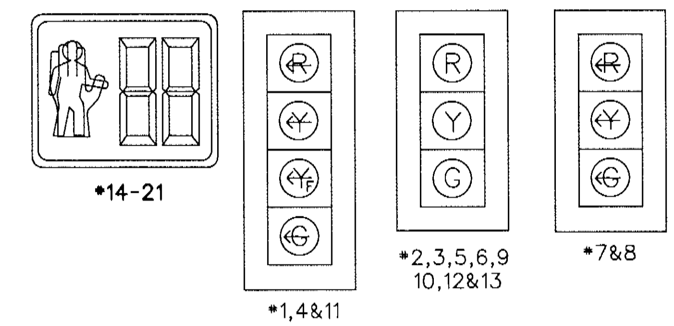
1. SEPARATE 5c/*14 AWG FROM EACH 3 SEC. SIGNAL HEAD TO BASE OF POLE.
2. SEPARATE 7c/*14 AWG FROM EACH 5 SEC. SIGNAL HEAD TO BASE OF POLE.
3. SEPARATE 5c/*14 AWG TO EACH POLE WITH PED PUSH BUTTONS.

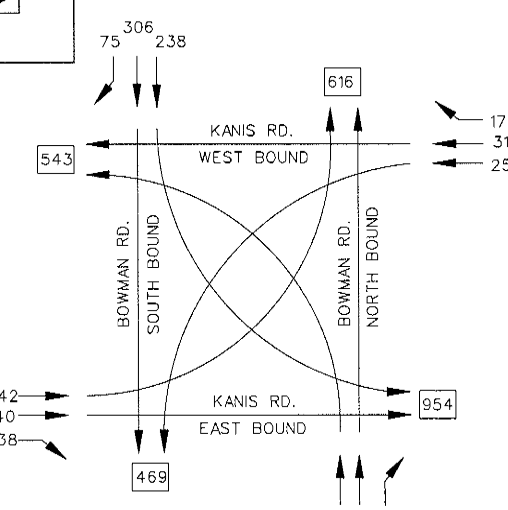
PHASING DIAGRAM



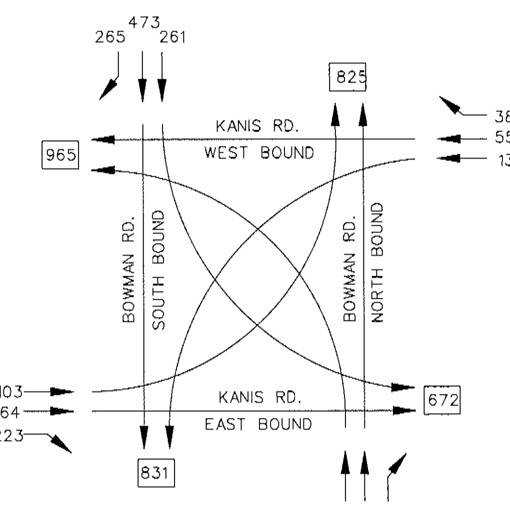
SIGNAL FACES

12" LENSES





BOWMAN RD./KANIS RD.
TRAFFIC FLOW DIAGRAM
TRAFFIC VOLUME
A.M. PEAK HOUR



BOWMAN RD./KANIS RD.
TRAFFIC FLOW DIAGRAM
TRAFFIC VOLUME
P.M. PEAK HOUR

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	*	Yf	***	←G	*	Yf	***	←R	←R	←R	←R	←R	←R	←R	←R	←R
2	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R	R
3	R	R	R	R	G	**	G	**	R	R	R	R	R	R	R	R	R
4	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	←G	*	Yf	***	Yf	***	←R
5	R	R	R	R	R	R	R	R	R	R	G	**	R	R	G	**	R
6	R	R	R	R	R	R	R	R	R	R	G	**	R	R	G	**	R
7	←G	*	←G	*	←R	←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	←R
9	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R	R
10	R	R	G	**	R	R	G	**	R	R	R	R	R	R	R	R	R
11	←R	←R	←R	←R	←R	←R	←R	←R	←G	*	Yf	***	←G	*	Yf	***	←R
12	R	R	R	R	R	R	R	R	R	R	R	R	G	**	G	**	R
13	R	R	R	R	R	R	R	R	R	R	R	R	G	**	G	**	R
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

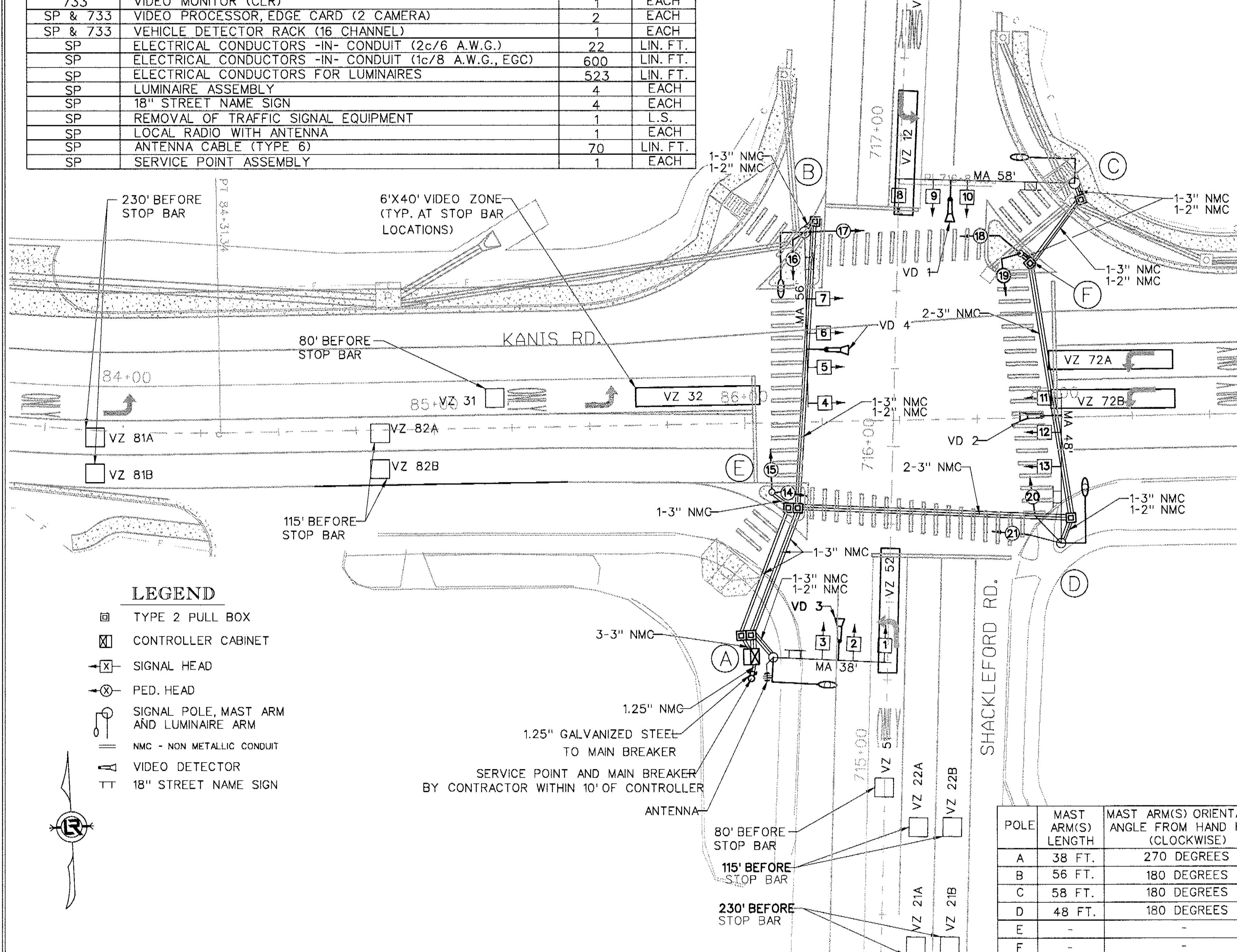
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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

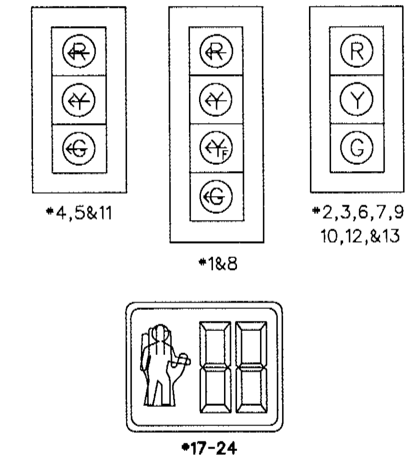


LEGEND

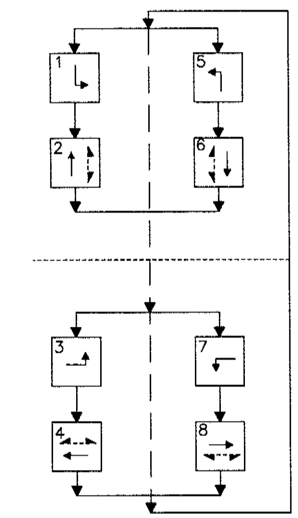
- TYPE 2 PULL BOX
- CONTROLLER CABINET
- SIGNAL HEAD
- PED. HEAD
- SIGNAL POLE, MAST ARM AND LUMINAIRE ARM
- NMC - NON METALLIC CONDUIT
- VIDEO DETECTOR
- 18" STREET NAME SIGN

SIGNAL FACES

12" LENSES



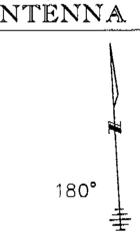
PHASING DIAGRAM



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)

ANTENNA ANGLE



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	1193924.5881
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	1193908.9441

REVISIONS	DATE

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

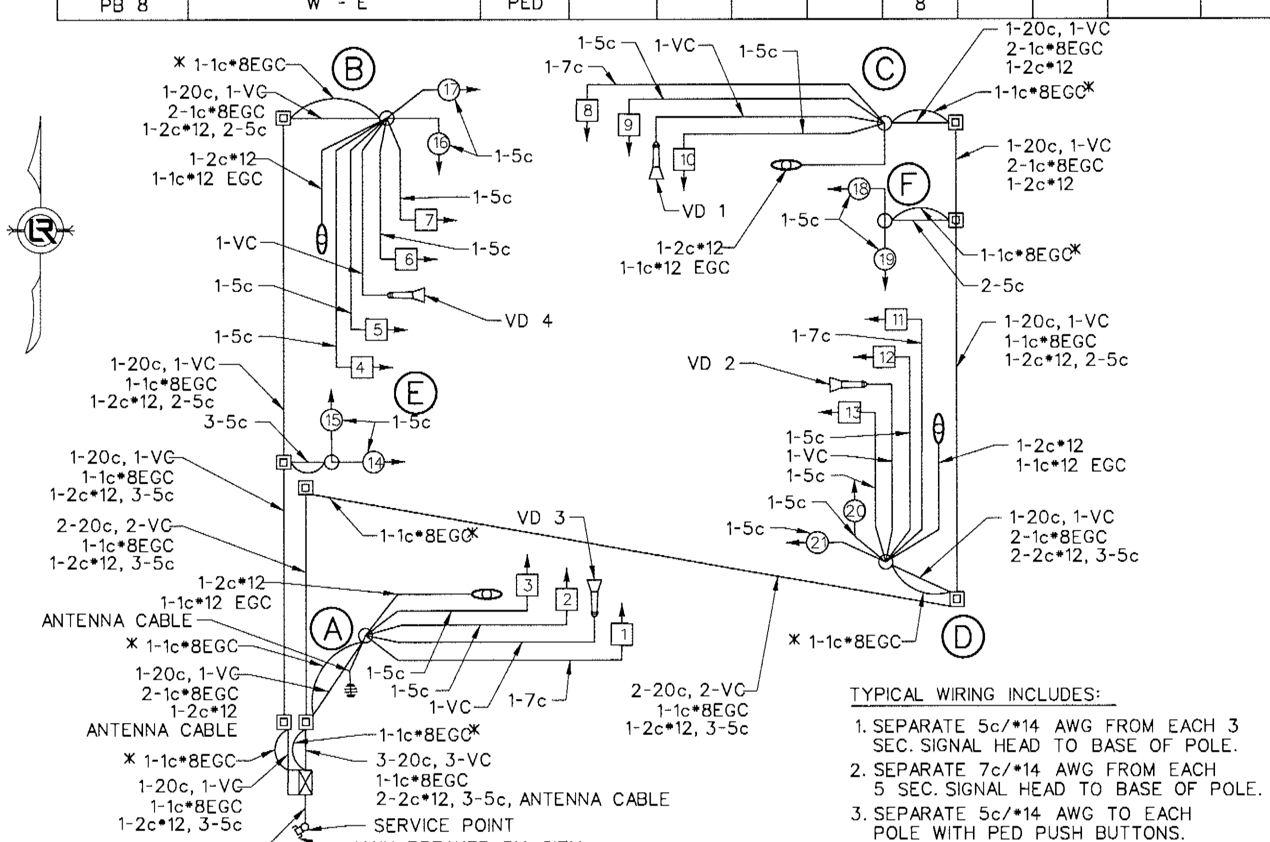
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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

DETECTOR CHART

DETECTOR I.D.*	DIRECTION & LOCATION	TYPE	DET. *	HARDWARE INPUTS BY SUPPLIER: CAB. TRM. *	AMP CHN. *	CON. INP. *	PROGRAM ASSIGNMENTS: LOCAL PHS.	LOCAL SYS. DET.*	MSTR. SYS. DET.*	VIDEO DET. TUBE LENGTH	COMMENT
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				

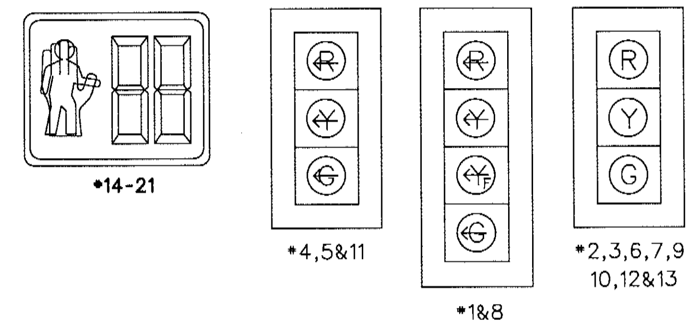


TYPICAL WIRING INCLUDES:

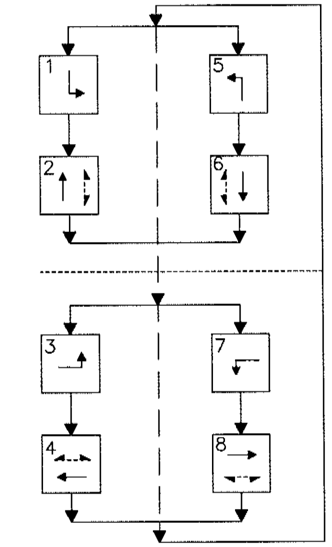
1. SEPARATE 5c/\#14 AWG FROM EACH 3 SEC. SIGNAL HEAD TO BASE OF POLE.
2. SEPARATE 7c/\#14 AWG FROM EACH 5 SEC. SIGNAL HEAD TO BASE OF POLE.
3. SEPARATE 5c/\#14 AWG TO EACH POLE WITH PED PUSH BUTTONS.

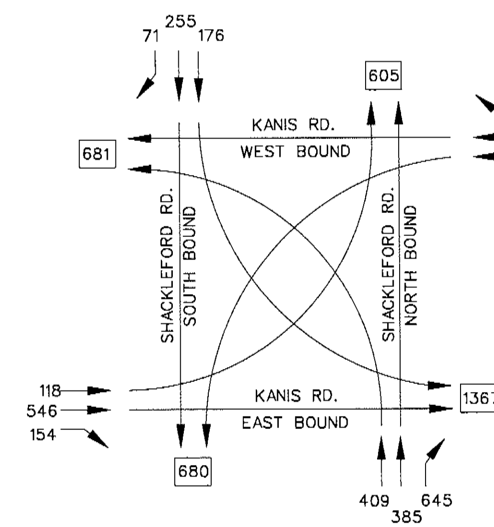
SIGNAL FACES

12" LENSES

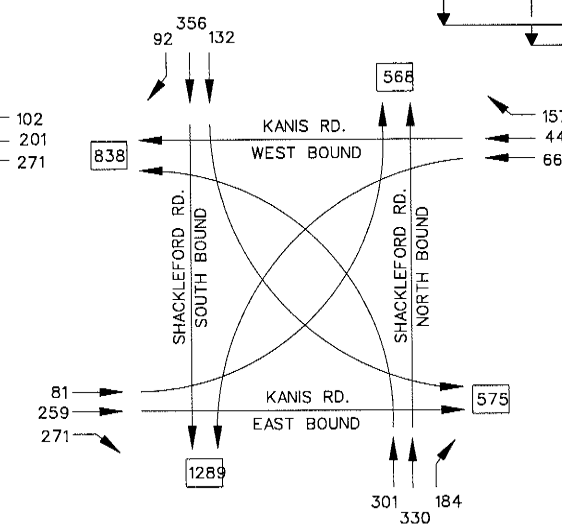


PHASING DIAGRAM





SHACKLEFORD RD./KANIS RD.
TRAFFIC FLOW DIAGRAM
TRAFFIC VOLUME
A.M. PEAK HOUR



SHACKELFORD RD./KANIS RD.
TRAFFIC FLOW DIAGRAM
TRAFFIC VOLUME
P.M. PEAK HOUR

INTERVAL CHART

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

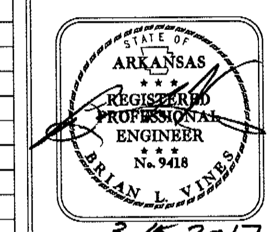
* DENOTES GREEN OR YELLOW ARROW DEPENDING ON NEXT PHASE
** DENOTES GREEN OR YELLOW BALL DEPENDING ON NEXT PHASE
*** DENOTES FYA OR YELLOW ARROW DEPENDING ON NEXT PHASE
W - WALK
DW - DON'T WALK
FDW - FLASHING DON'T WALK

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

SIGNALIZATION PLAN
SHACKLEFORD ROAD SHEET 4

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

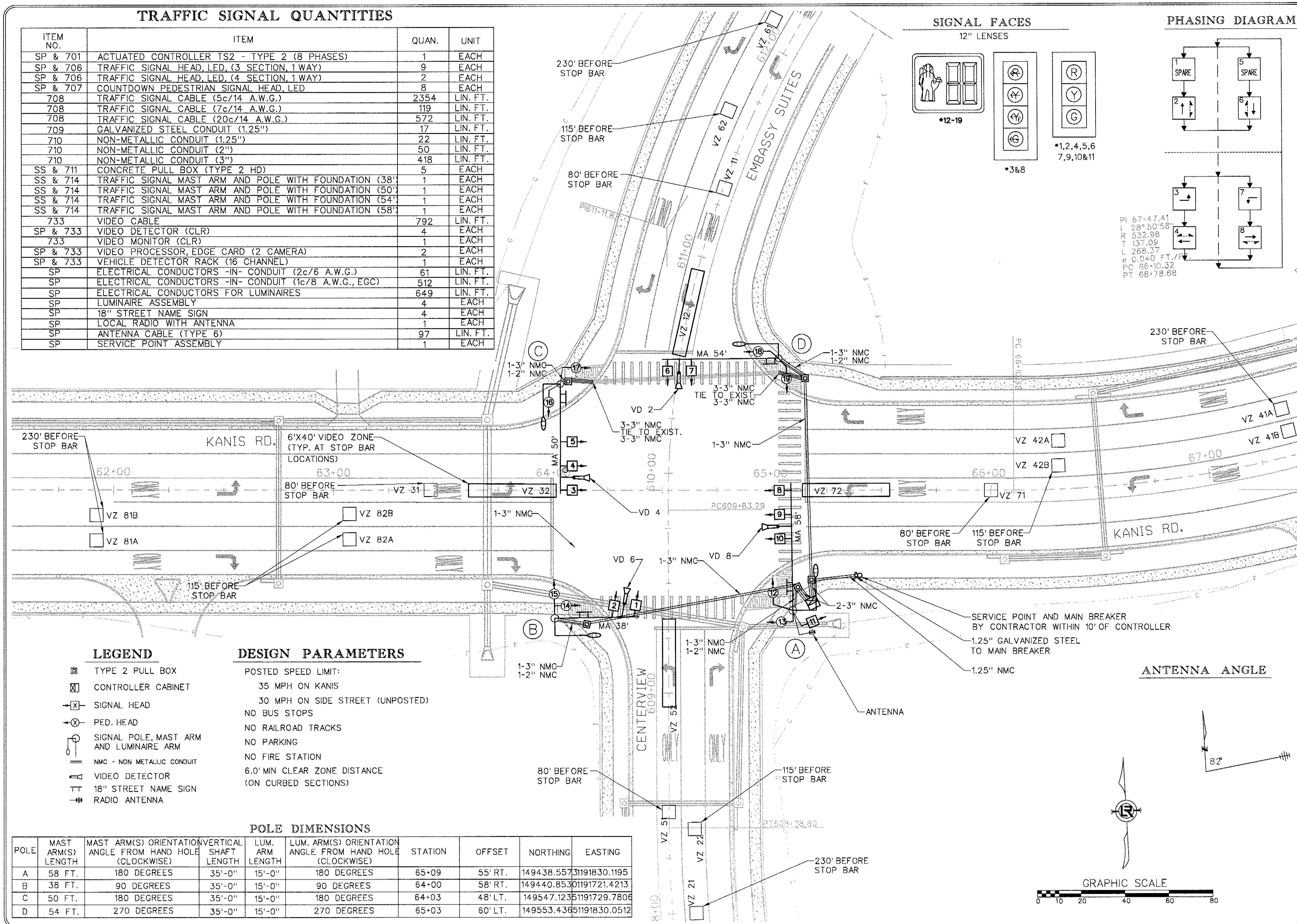


3.15.2017

DRAWN BY
JAB
DESIGNED
JAB
CHECKED
BLV
DATE
5/22/15
SCALE
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



LEGEND

- TYPE 2 PULL BOX
- CONTROLLER CABINET
- SIGNAL HEAD
- PED. HEAD
- SIGNAL POLE, MAST ARM AND LUMINAIRE ARM
- NMC - NON METALLIC CONDUIT
- VIDEO DETECTOR
- 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.	149438.5573	1191830.1195
B	38 FT.	90 DEGREES	35'-0"	15'-0"	90 DEGREES	64+00	58' RT.	149440.8530	1191721.4213
C	50 FT.	180 DEGREES	35'-0"	15'-0"	180 DEGREES	64+03	48' LT.	149547.1235	1191729.7806
D	54 FT.	270 DEGREES	35'-0"	15'-0"	270 DEGREES	65+03	60' LT.	149553.4365	1191830.0512

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

SIGNALIZATION PLAN
EMBASSY SUITES/CENTERVIEW SHEET 1

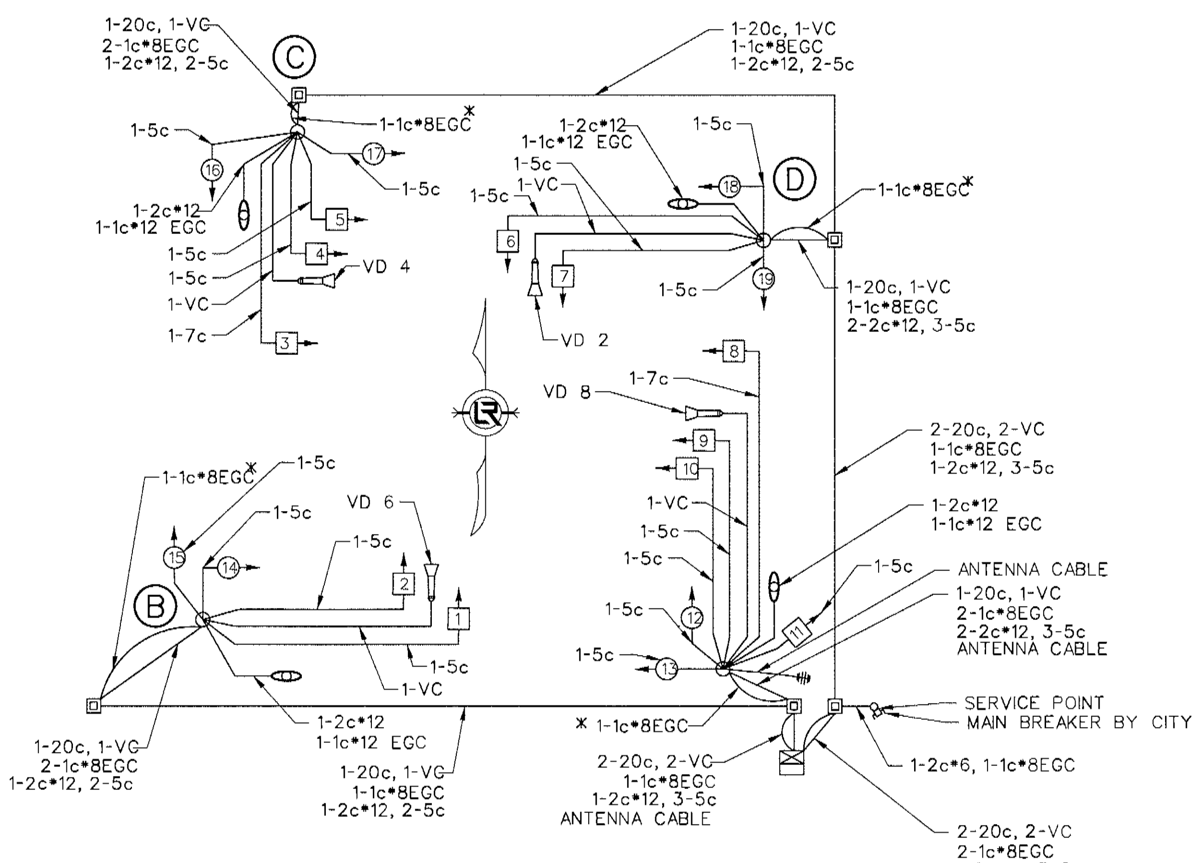
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 9418 BRIAN 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

DETECTOR CHART

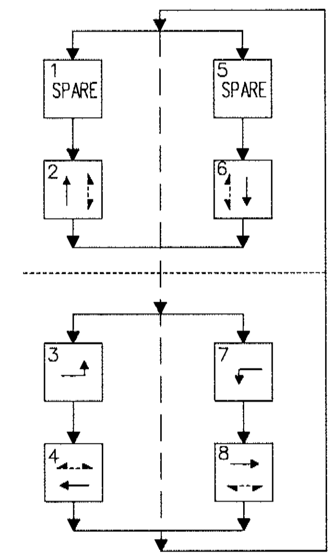
DETECTOR ASSIGNMENTS				HARDWARE INPUTS BY SUPPLIER			PROGRAM ASSIGNMENTS			VIDEO DET. TUBE LENGTH	COMMENT
DETECTOR I.D.*	DIRECTION & LOCATION	TYPE	DET. *	CAB. TRM. *	AMP CHN. *	CON. INP. *	LOCAL PHS.	LOCAL SYS. DET.*	MSTR. SYS. DET.*		
VZ 11	SB LEFT FAR	LOCAL				V1	6			23"	VD6
VZ 12	SB LEFT NEAR	LOCAL				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				



TYPICAL WIRING INCLUDES:

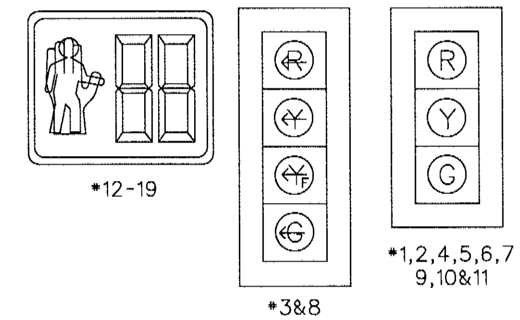
1. SEPARATE 5c/*14 AWG FROM EACH 3 SEC. SIGNAL HEAD TO BASE OF POLE.
2. SEPARATE 7c/*14 AWG FROM EACH 5 SEC. SIGNAL HEAD TO BASE OF POLE.
3. SEPARATE 5c/*14 AWG TO EACH POLE WITH PED PUSH BUTTONS.

PHASING DIAGRAM



SIGNAL FACES

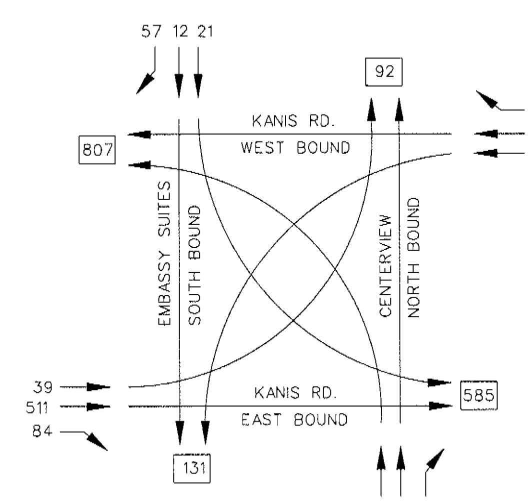
12" LENSES



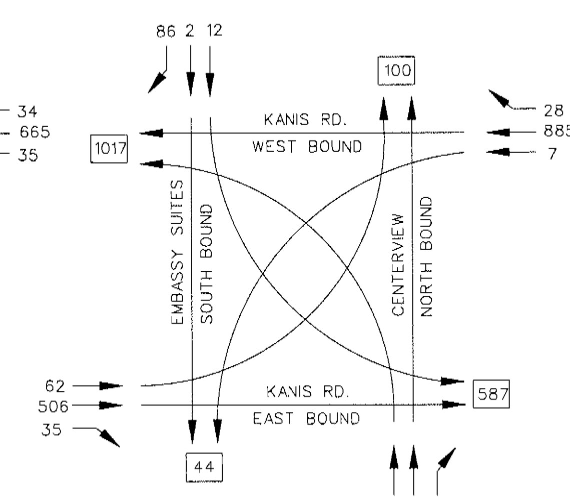
INTERVAL CHART

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



EMBASSY SUITES/CENTERVIEW/KANIS RD.
TRAFFIC FLOW DIAGRAM
TRAFFIC VOLUME
A.M. PEAK HOUR



EMBASSY SUITES/CENTERVIEW/KANIS RD.
TRAFFIC FLOW DIAGRAM
TRAFFIC VOLUME
P.M. PEAK HOUR

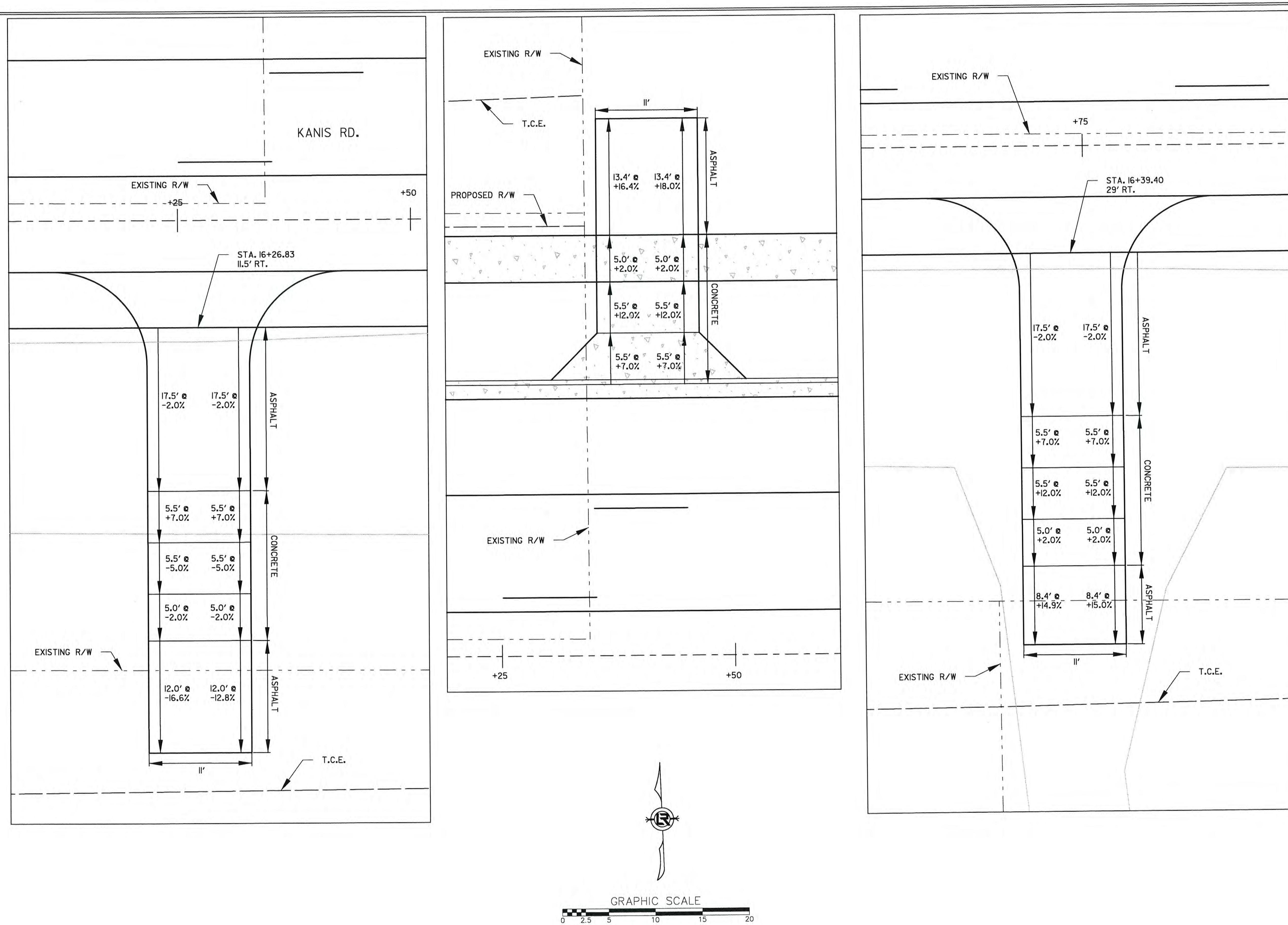
REVISIONS	DATE

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

STATE OF ARKANSAS REGISTERED PROFESSIONAL ENGINEER No. 9418 BRIAN L. VINES
3.16.2017

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

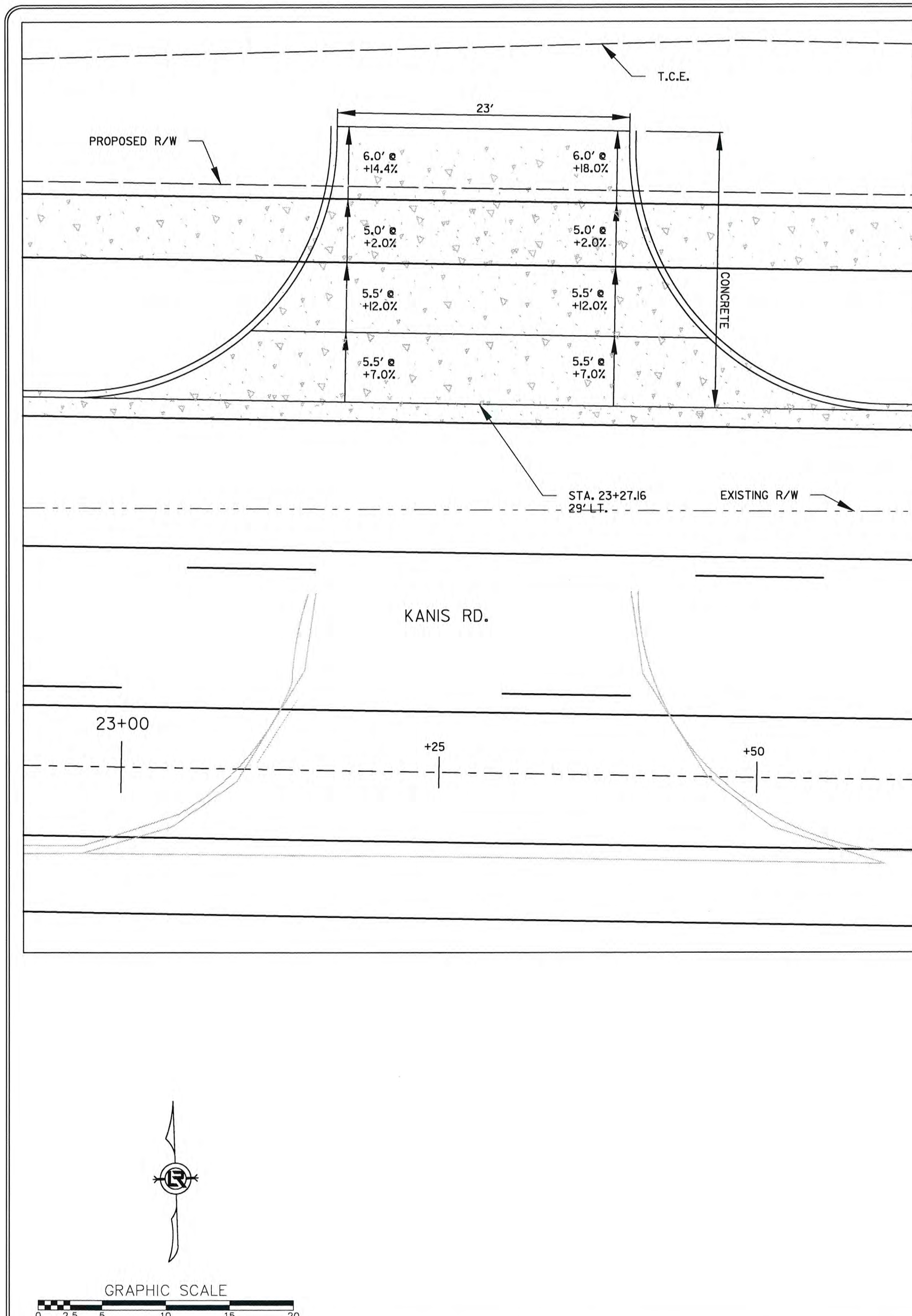
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

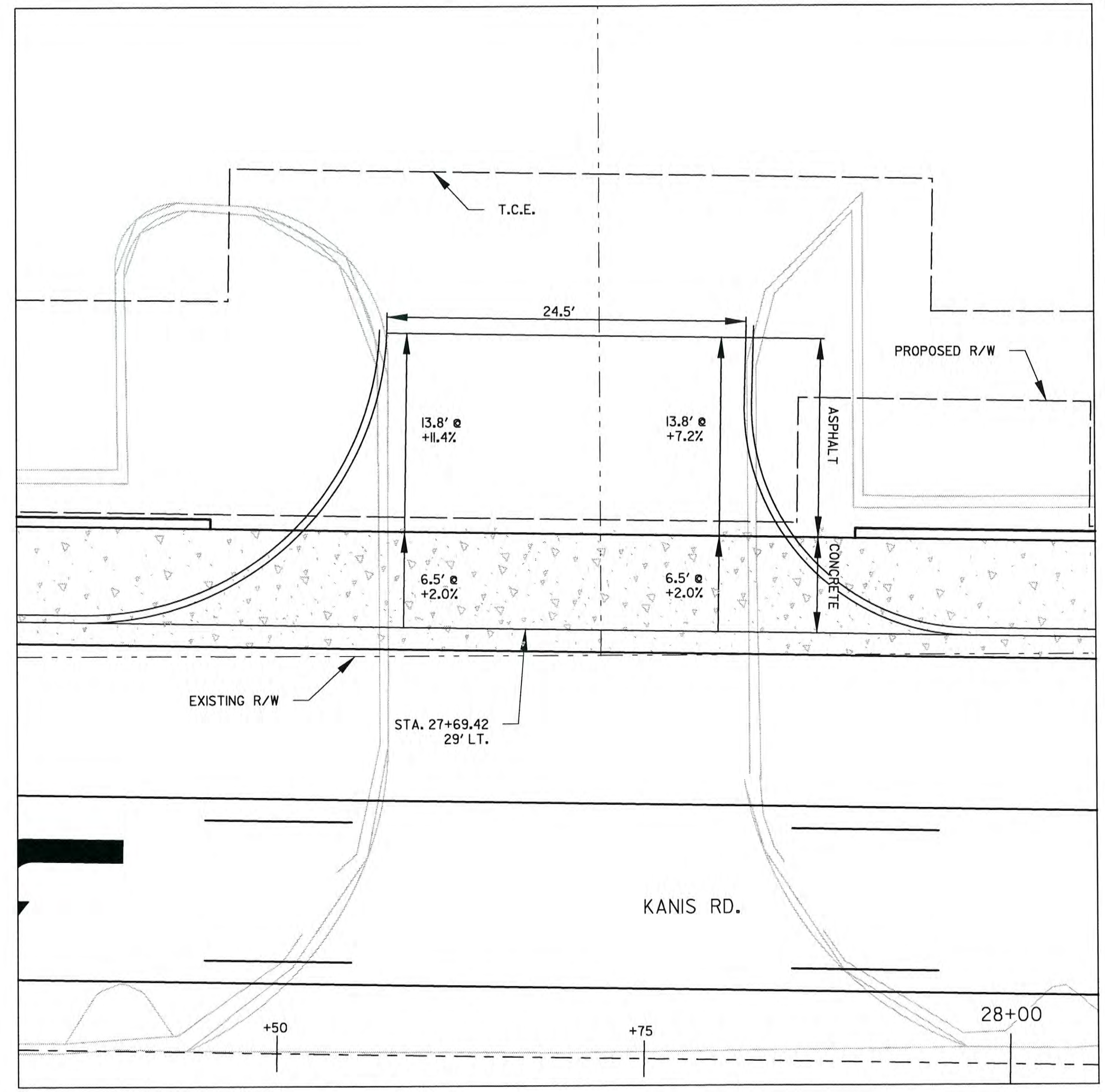
KANIS RD.
DRIVEWAY DETAIL SHEET 1

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
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-118





REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

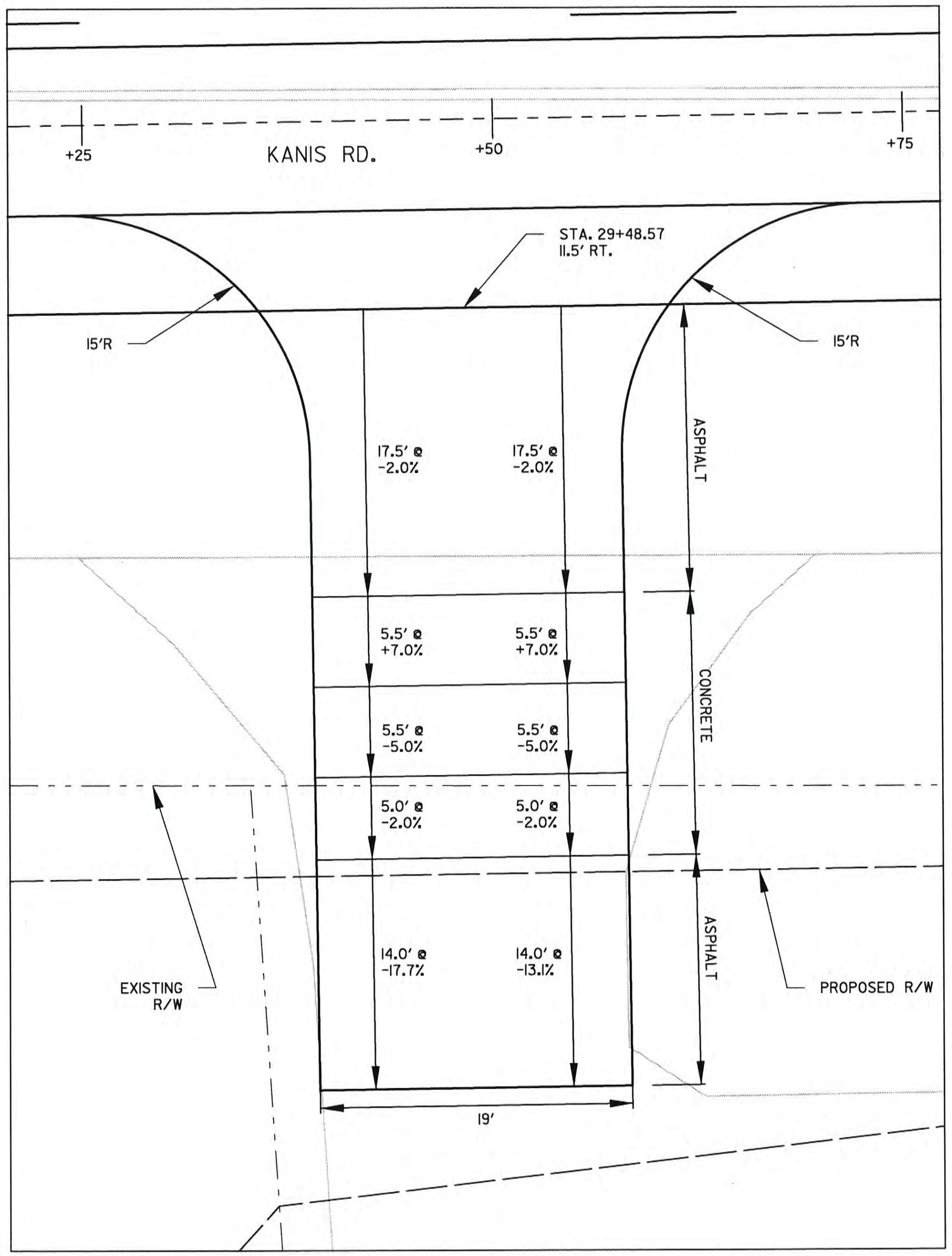
KANIS RD.
DRIVEWAY DETAIL SHEET 2

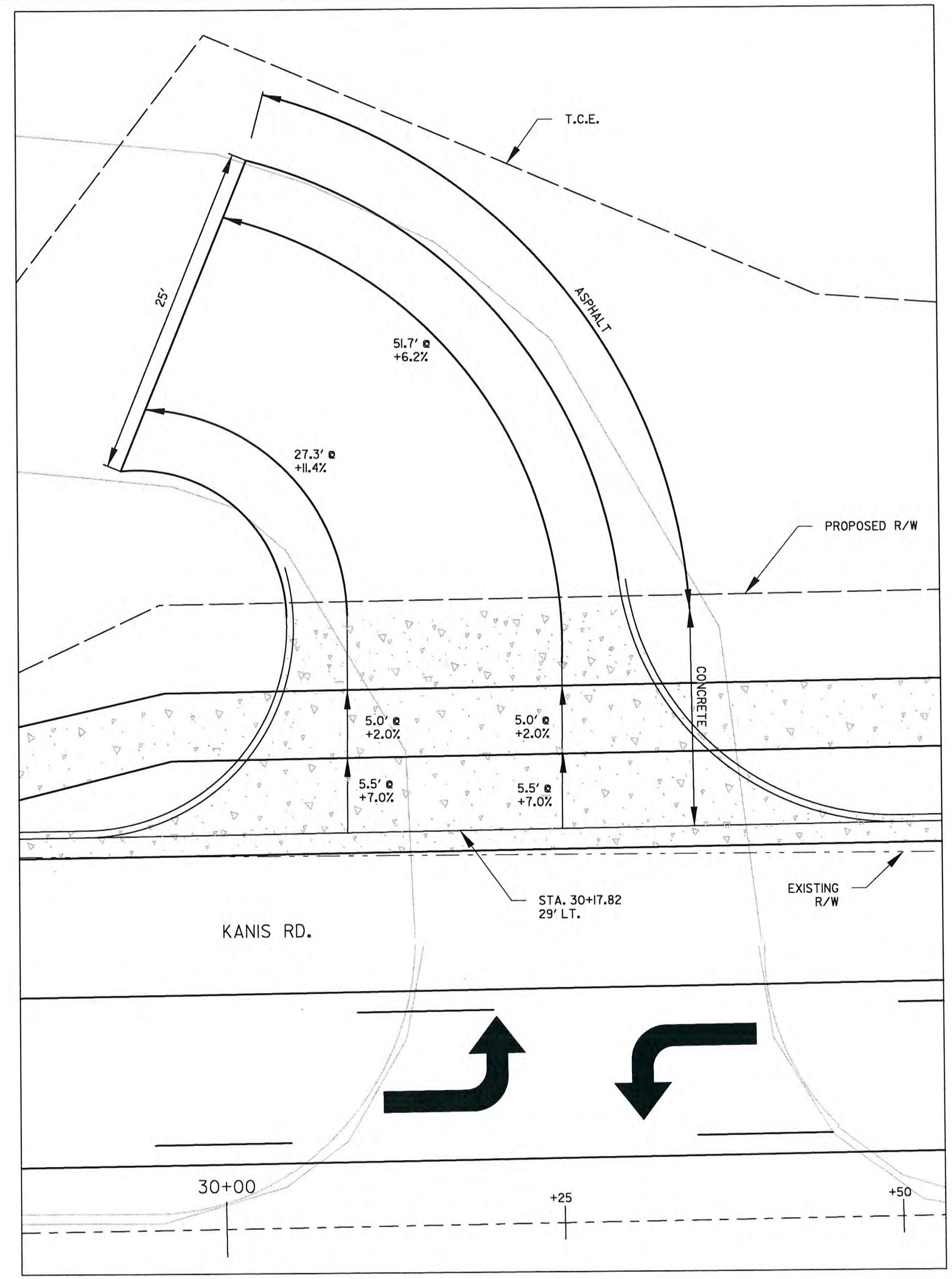
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

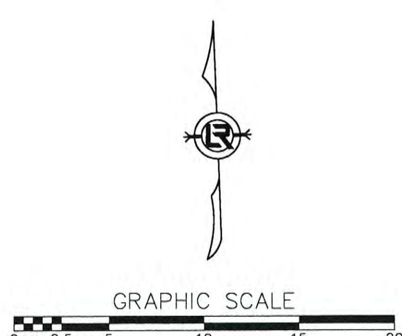
STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY

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

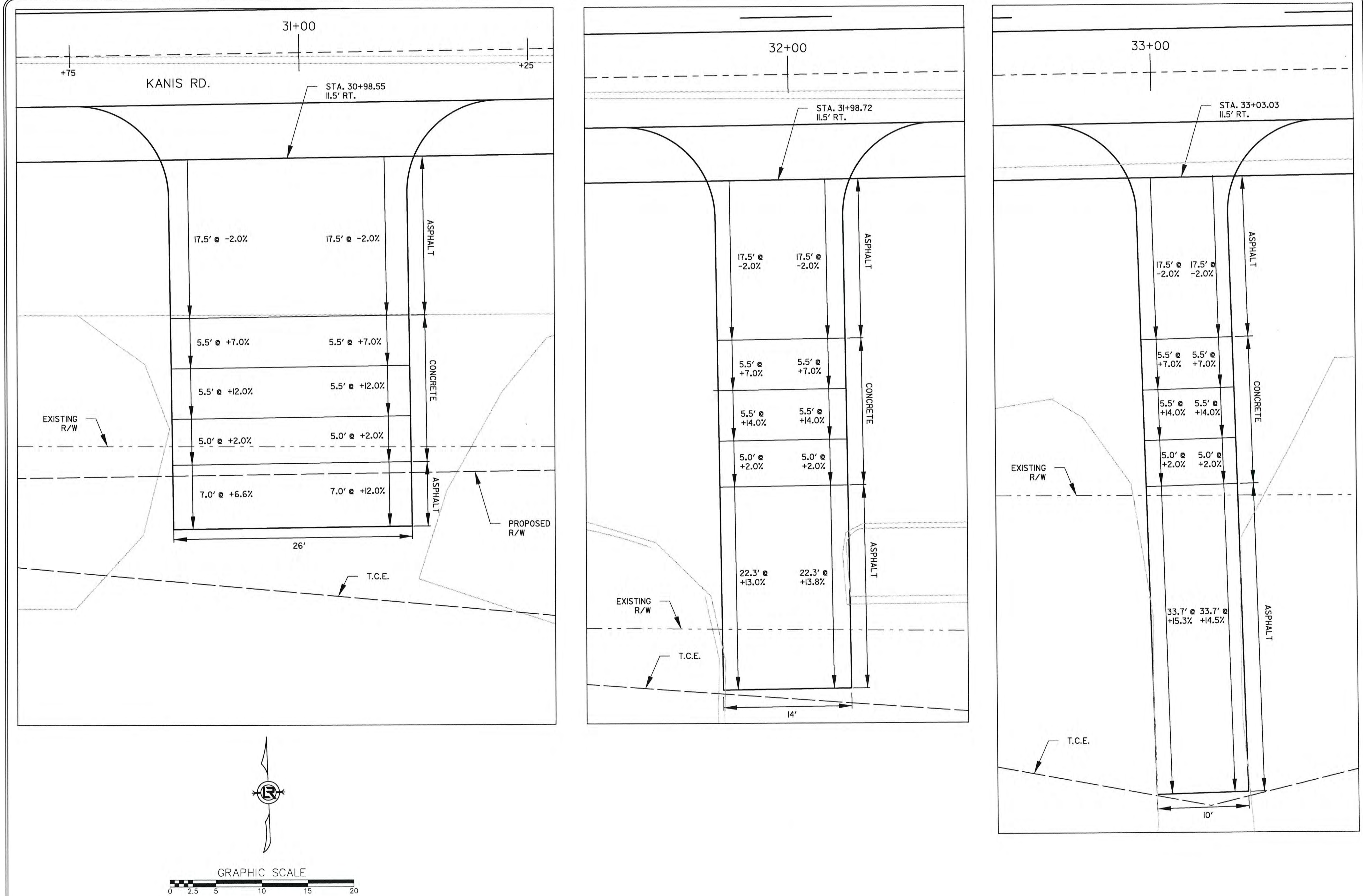
KANIS RD.
DRIVEWAY DETAIL SHEET 3

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

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

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-120



REVISIONS	DATE

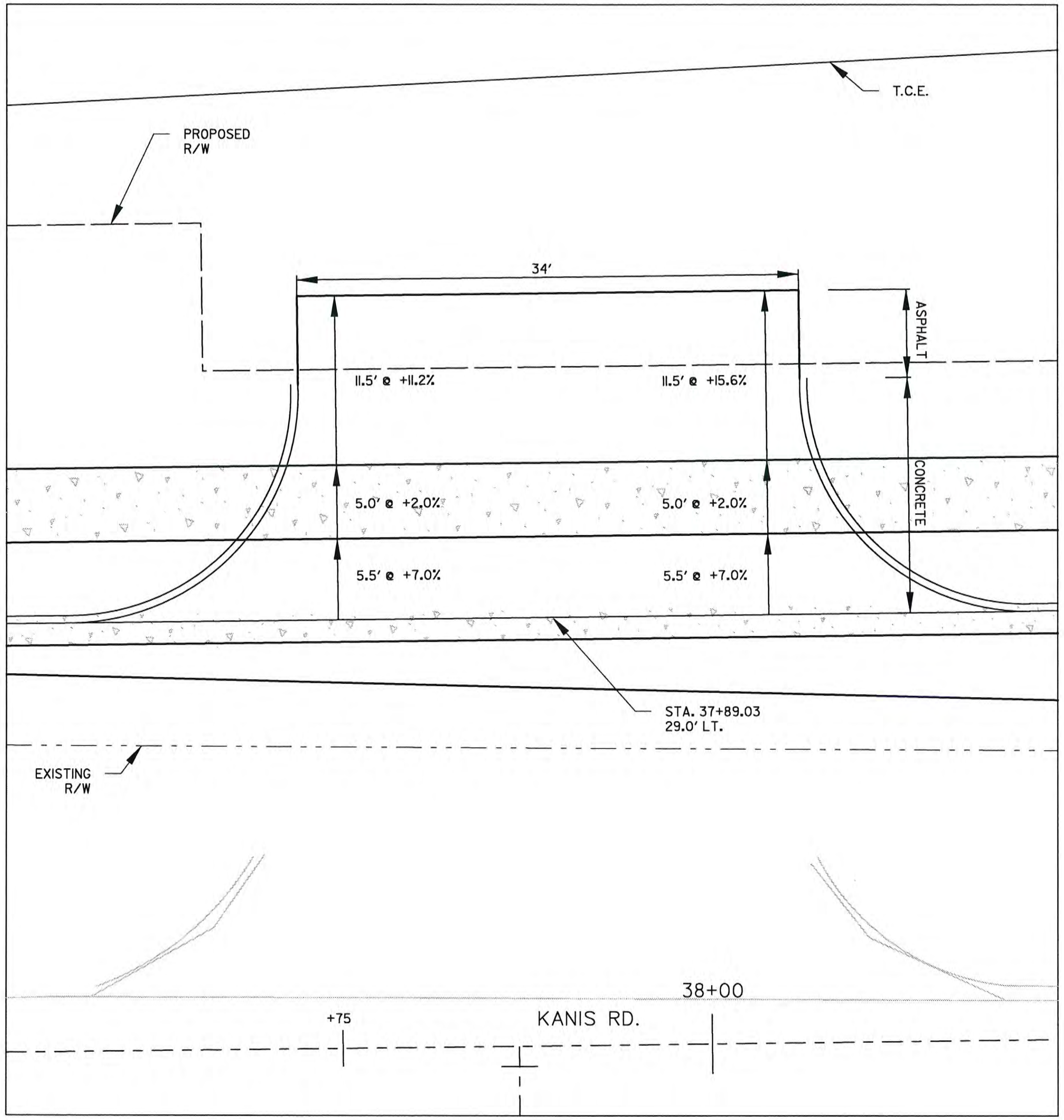
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

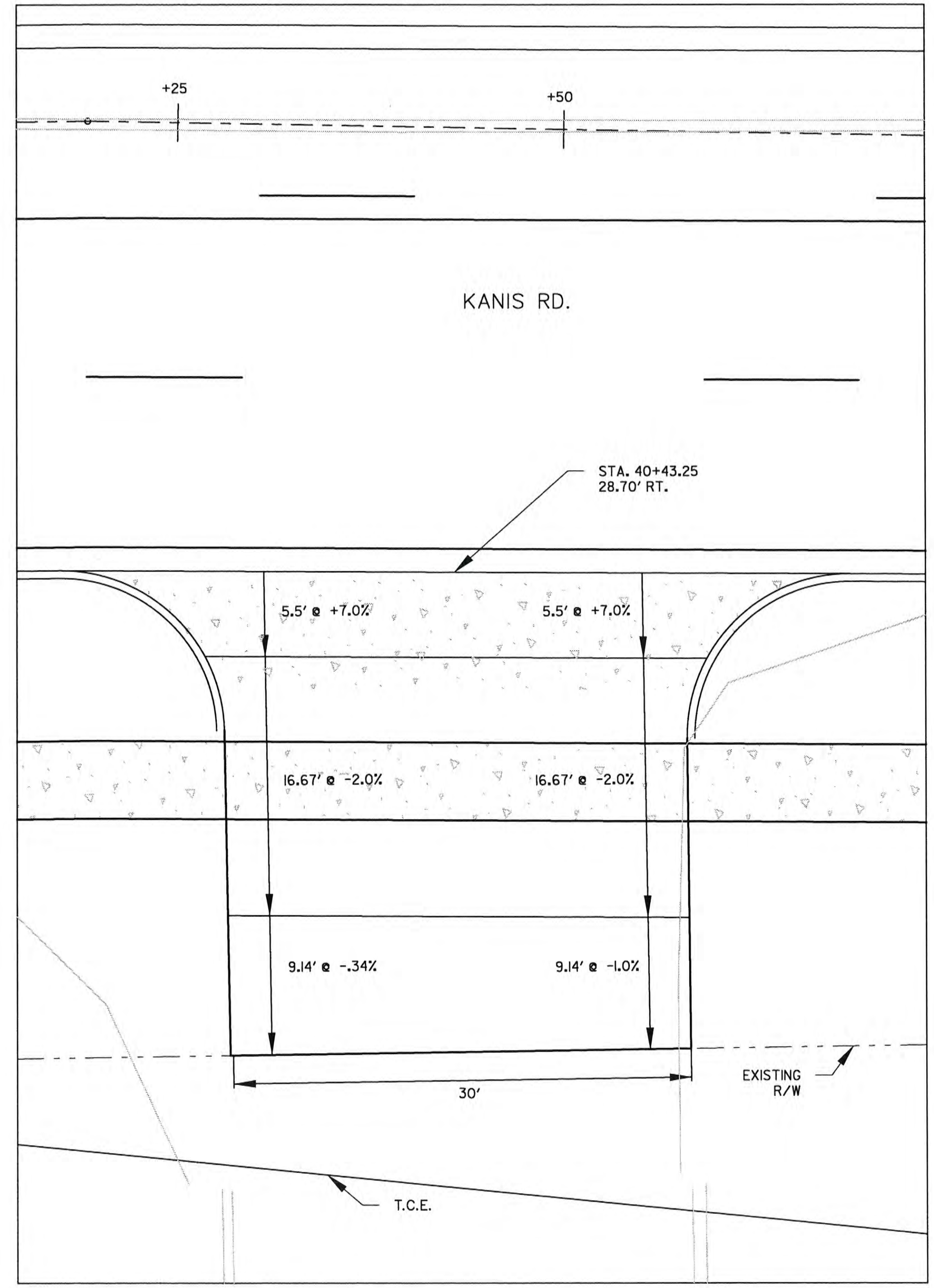
KANIS RD.
DRIVEWAY DETAIL SHEET 4

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

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
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-121





REVISIONS	DATE

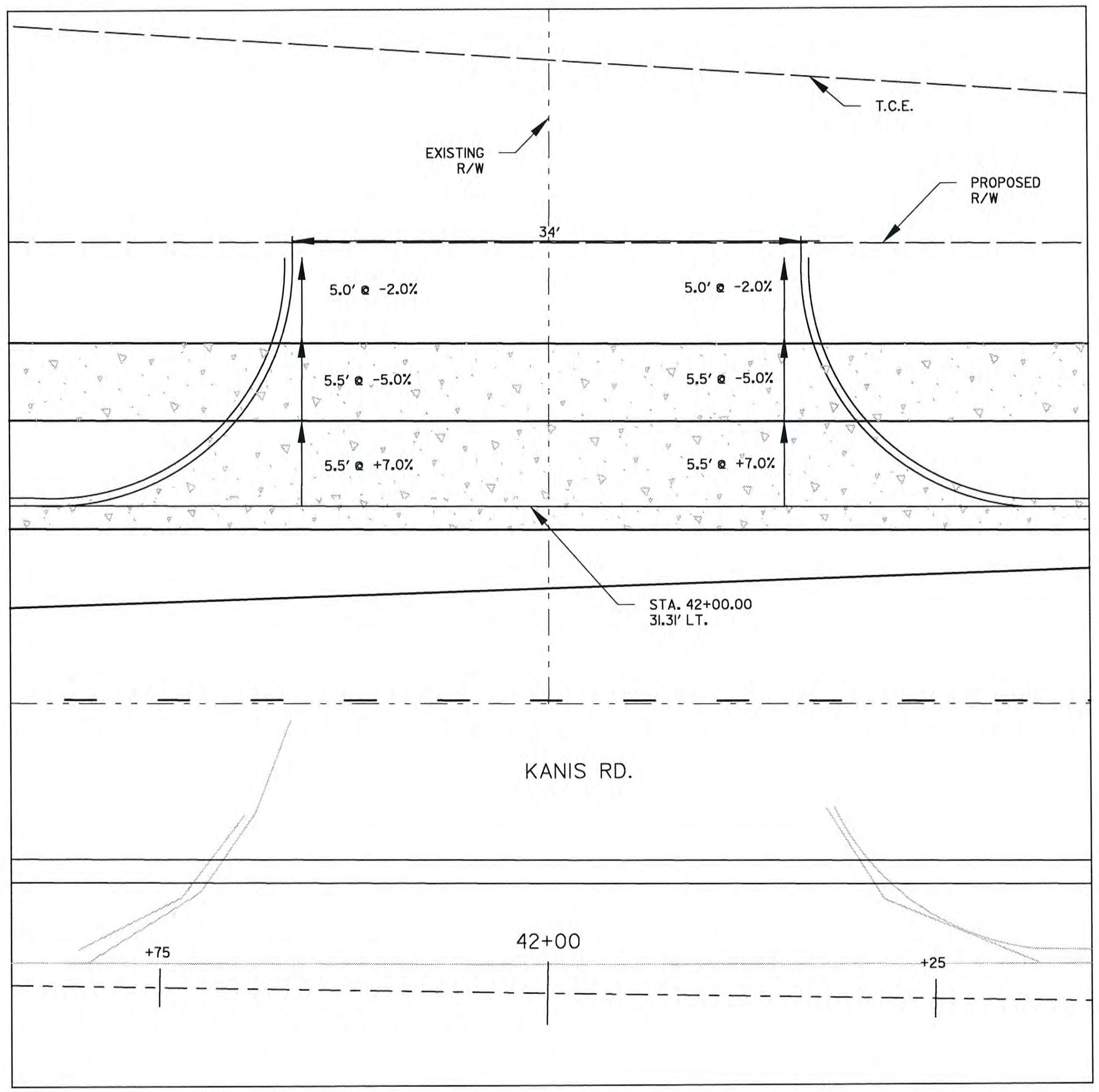
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

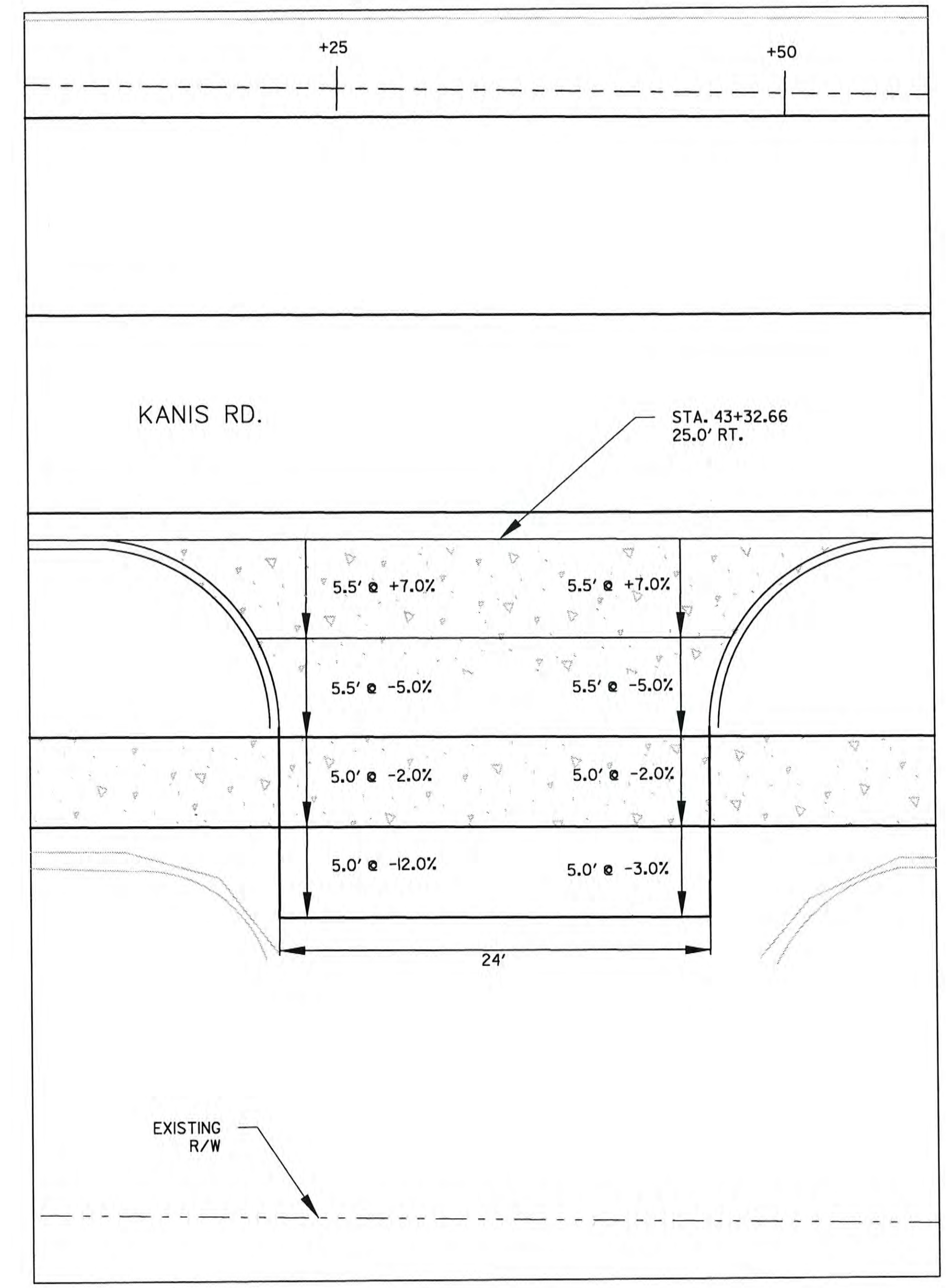
KANIS RD.
DRIVEWAY DETAIL SHEET 5

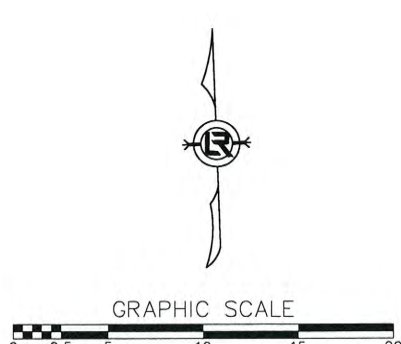
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

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

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

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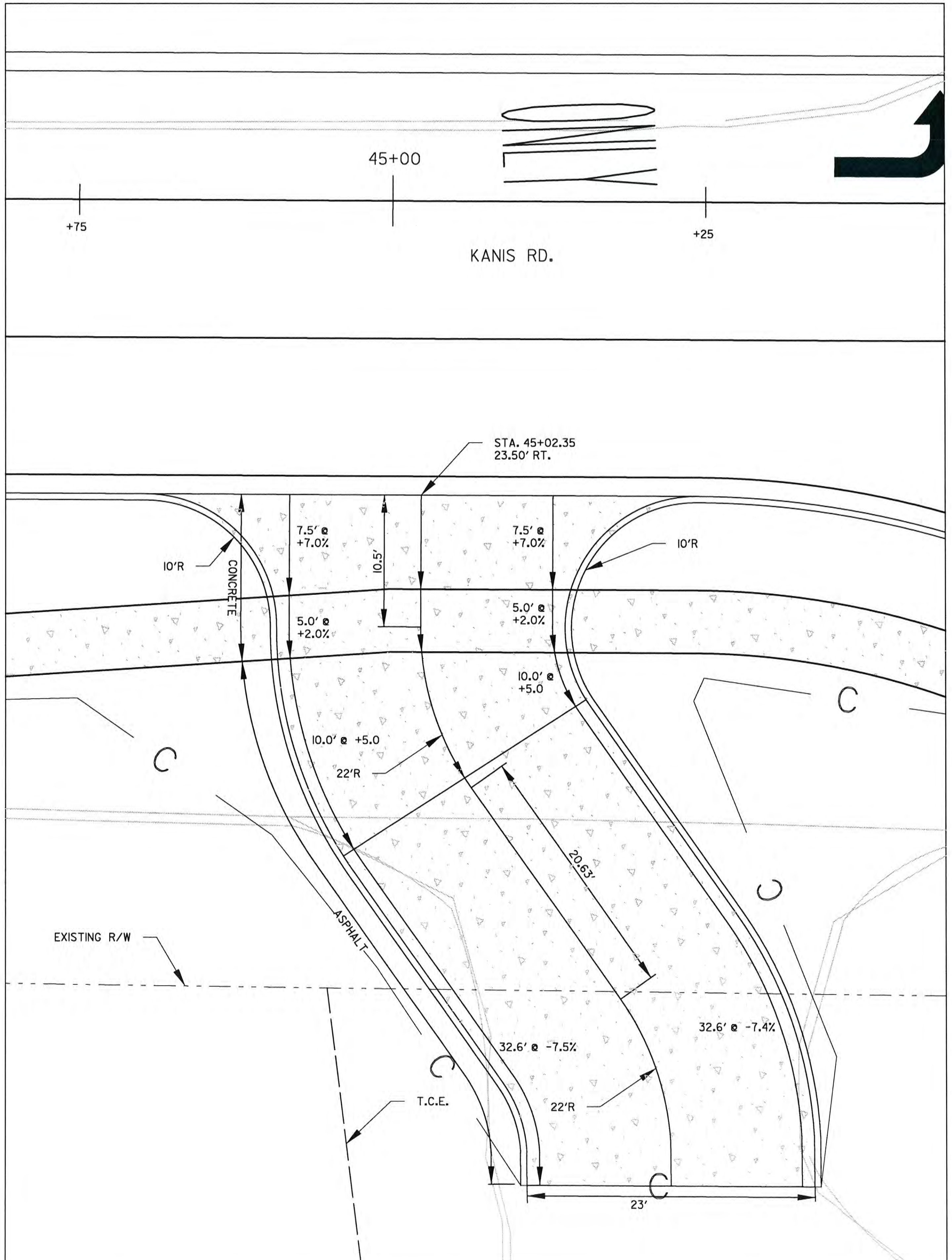
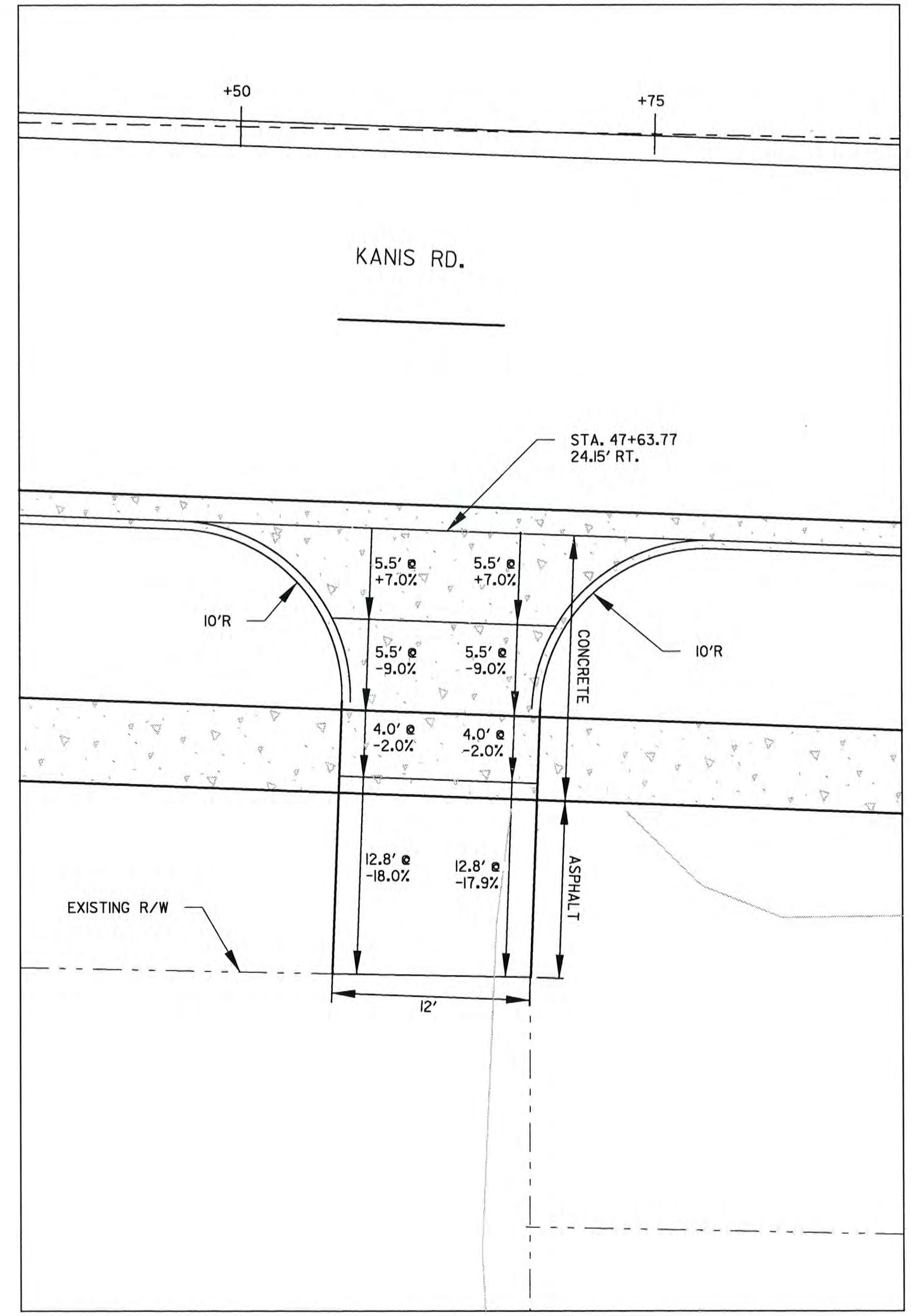
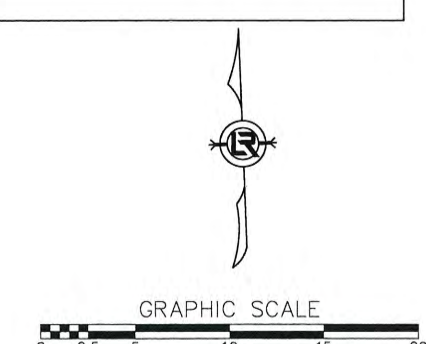
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-123







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. TOBLESKY
3-15-17

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DATE
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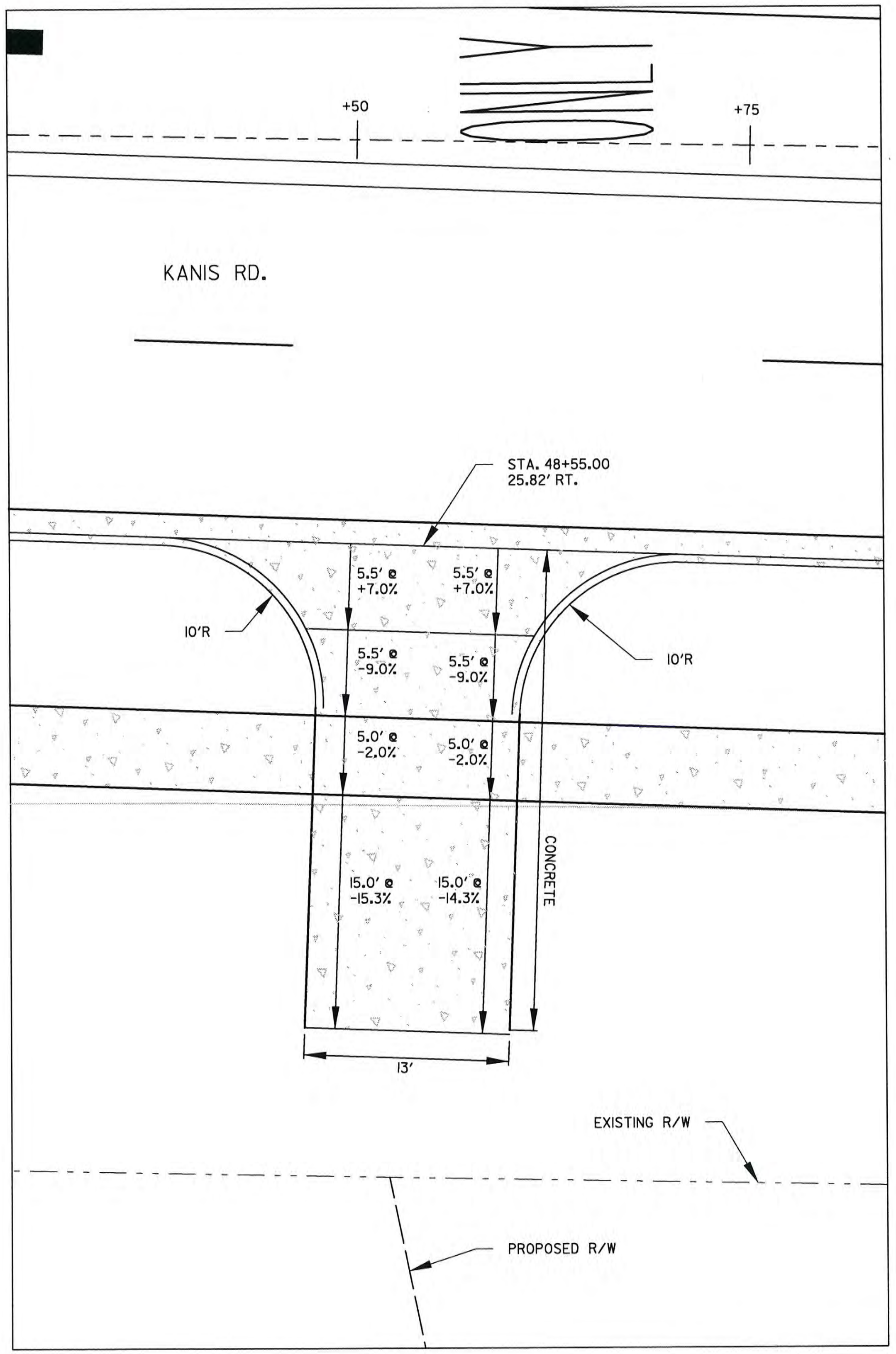
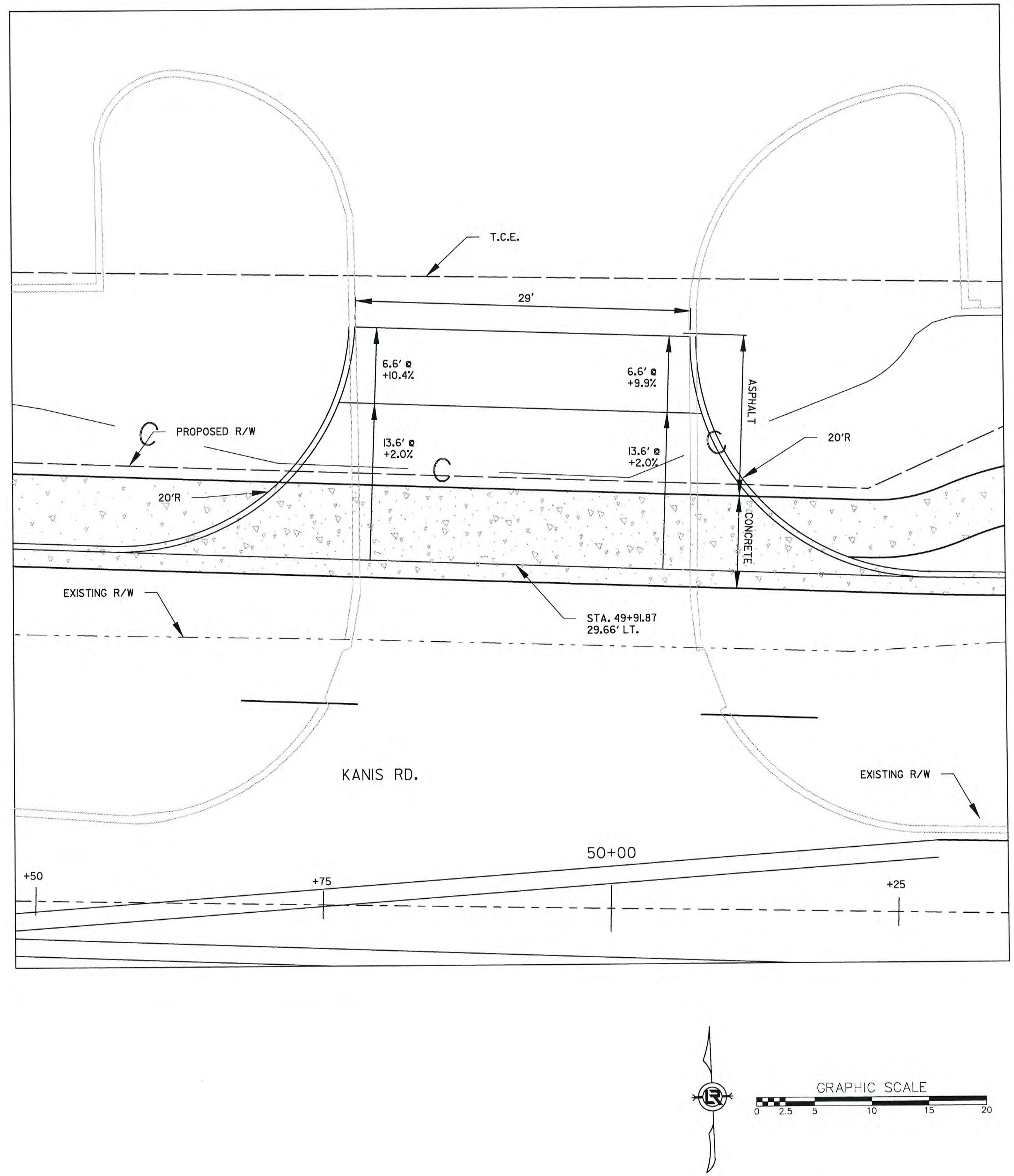
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-124





REVISIONS	DATE

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
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KEVIN G. TOBLESKY

3-15-17

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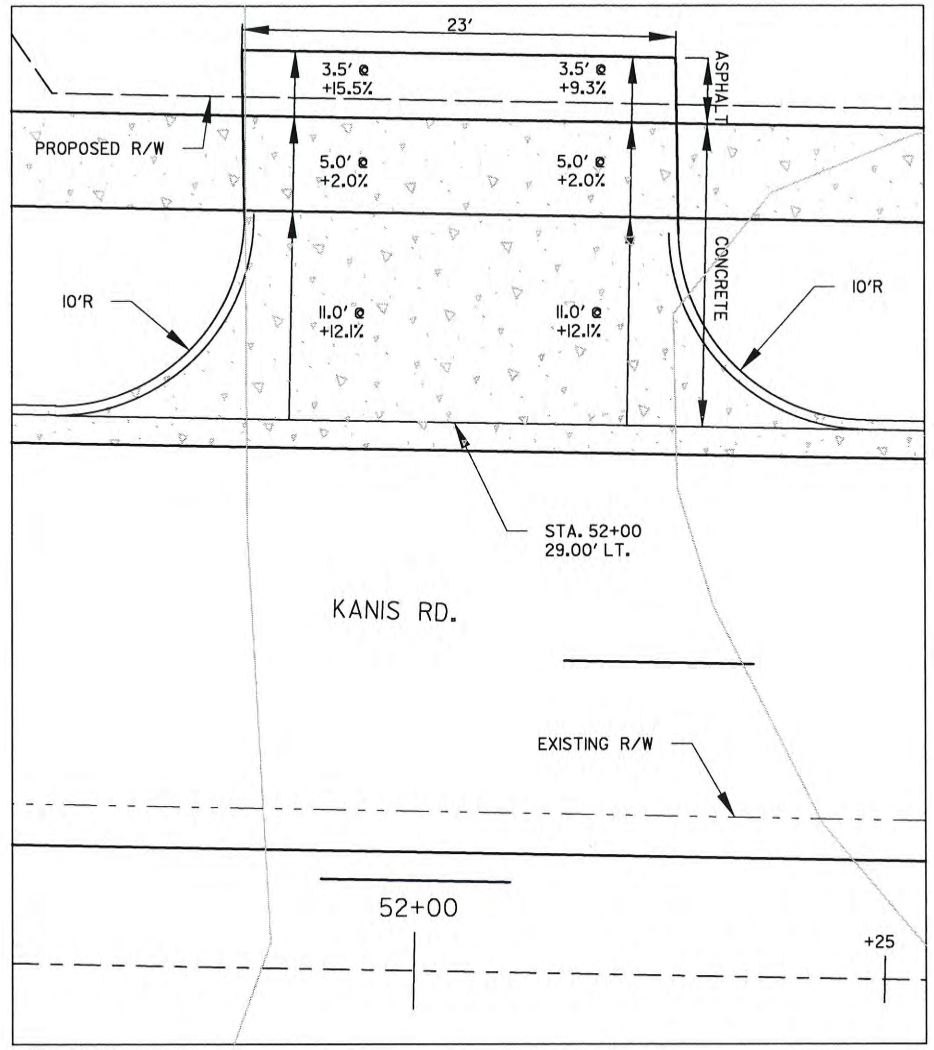
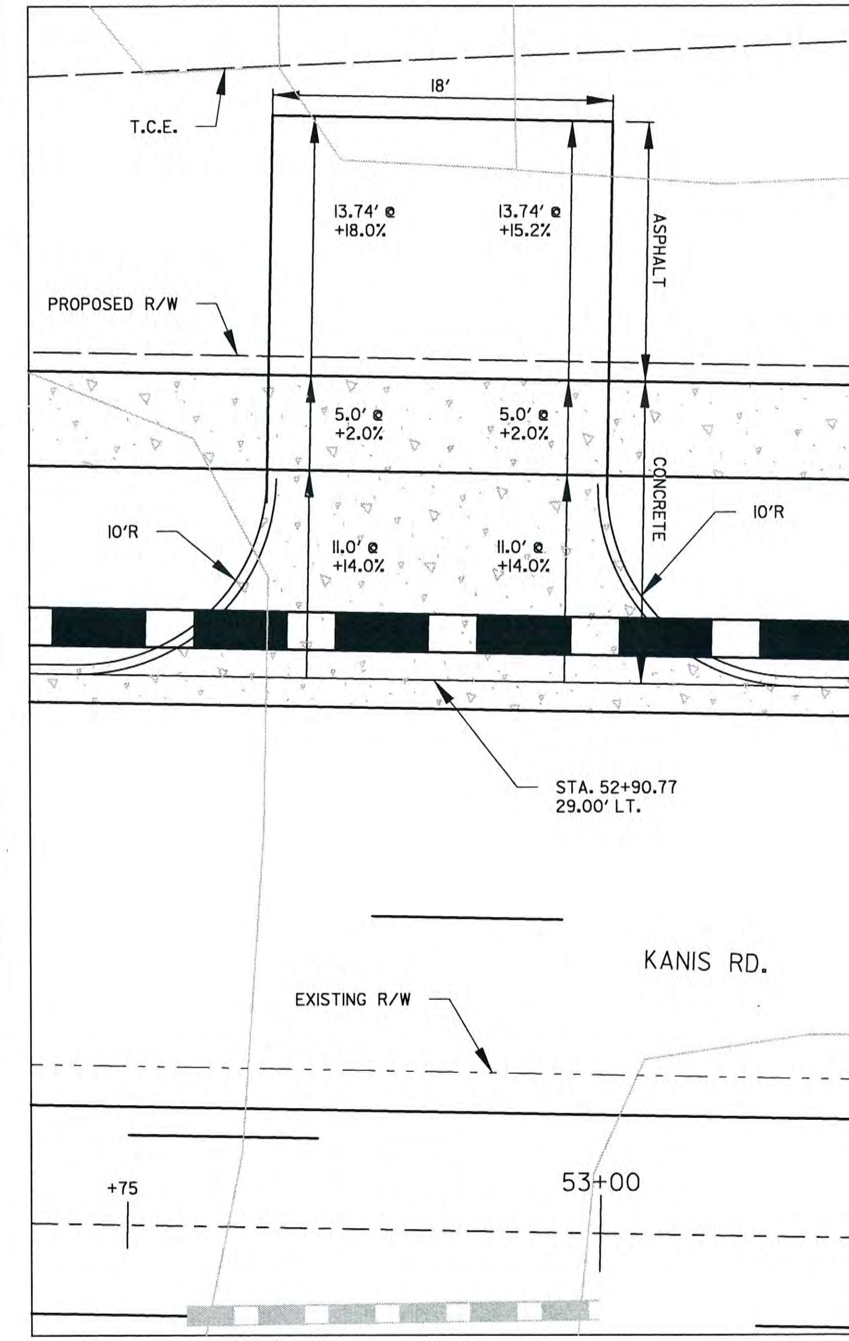
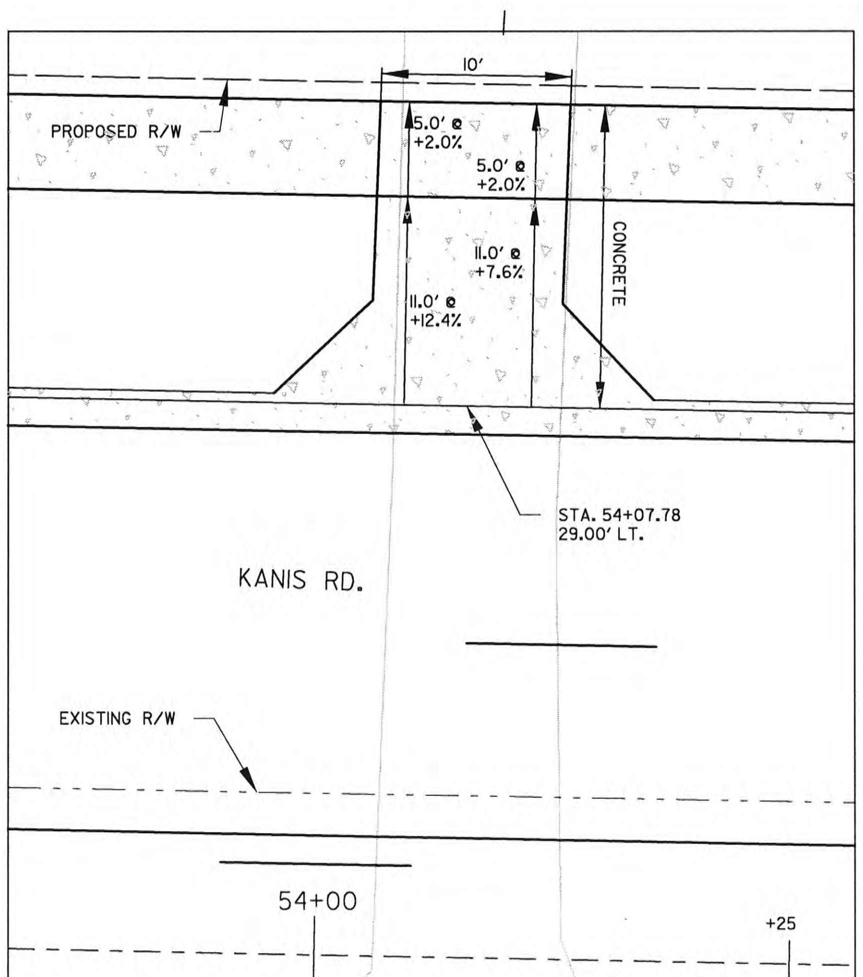
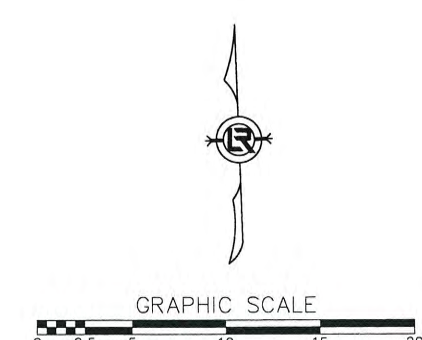
DATE
2 / 24 / 17
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-125









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. TOBLESKY
3-15-17

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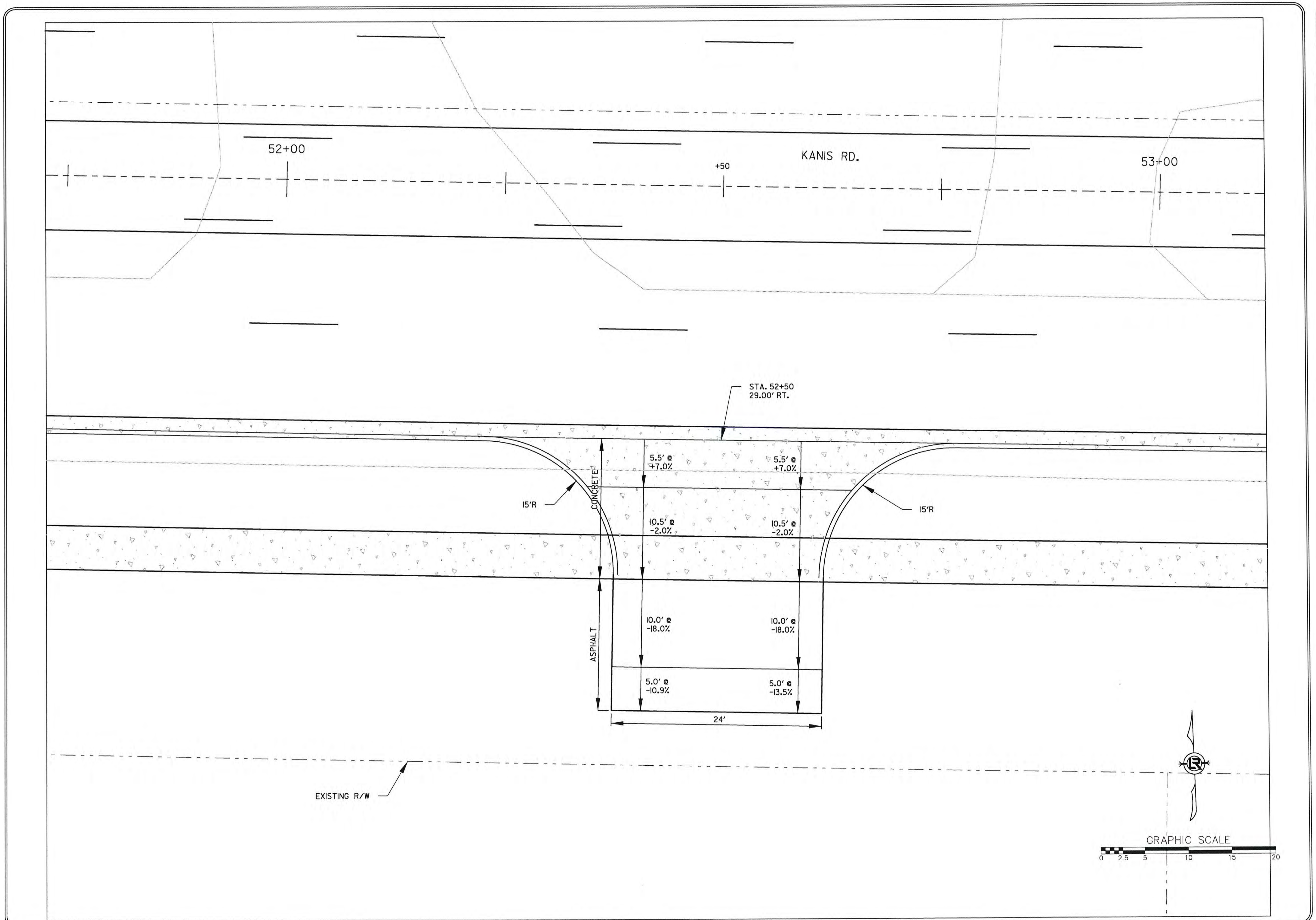
DATE
2 / 24 / 17
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-126



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

KANIS RD.
DRIVEWAY DETAIL SHEET 9

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
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3-15-17

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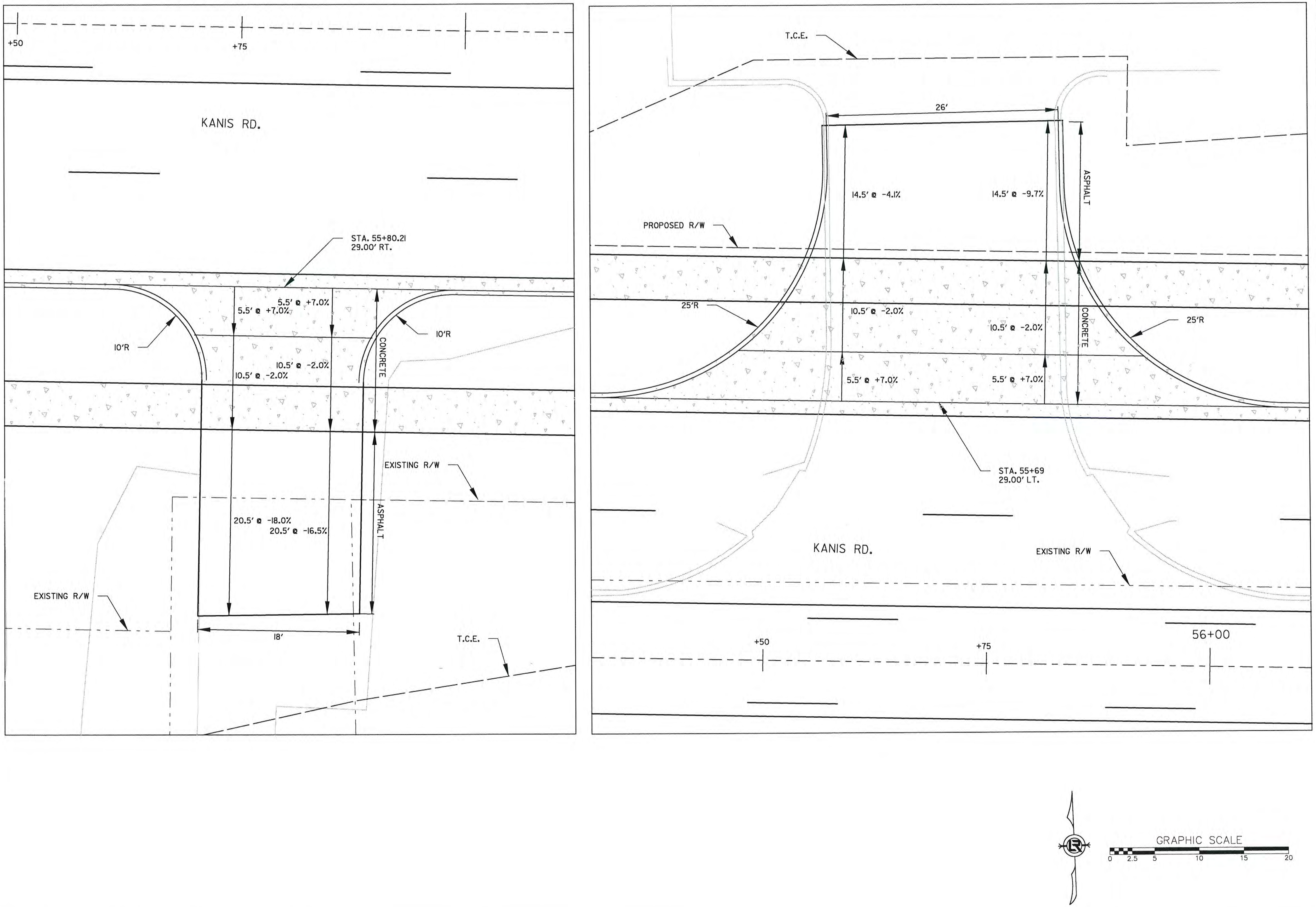
KGT
DATE
2 / 24 / 17
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-126A



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
KEVIN G. TOBLESKY
3-15-17

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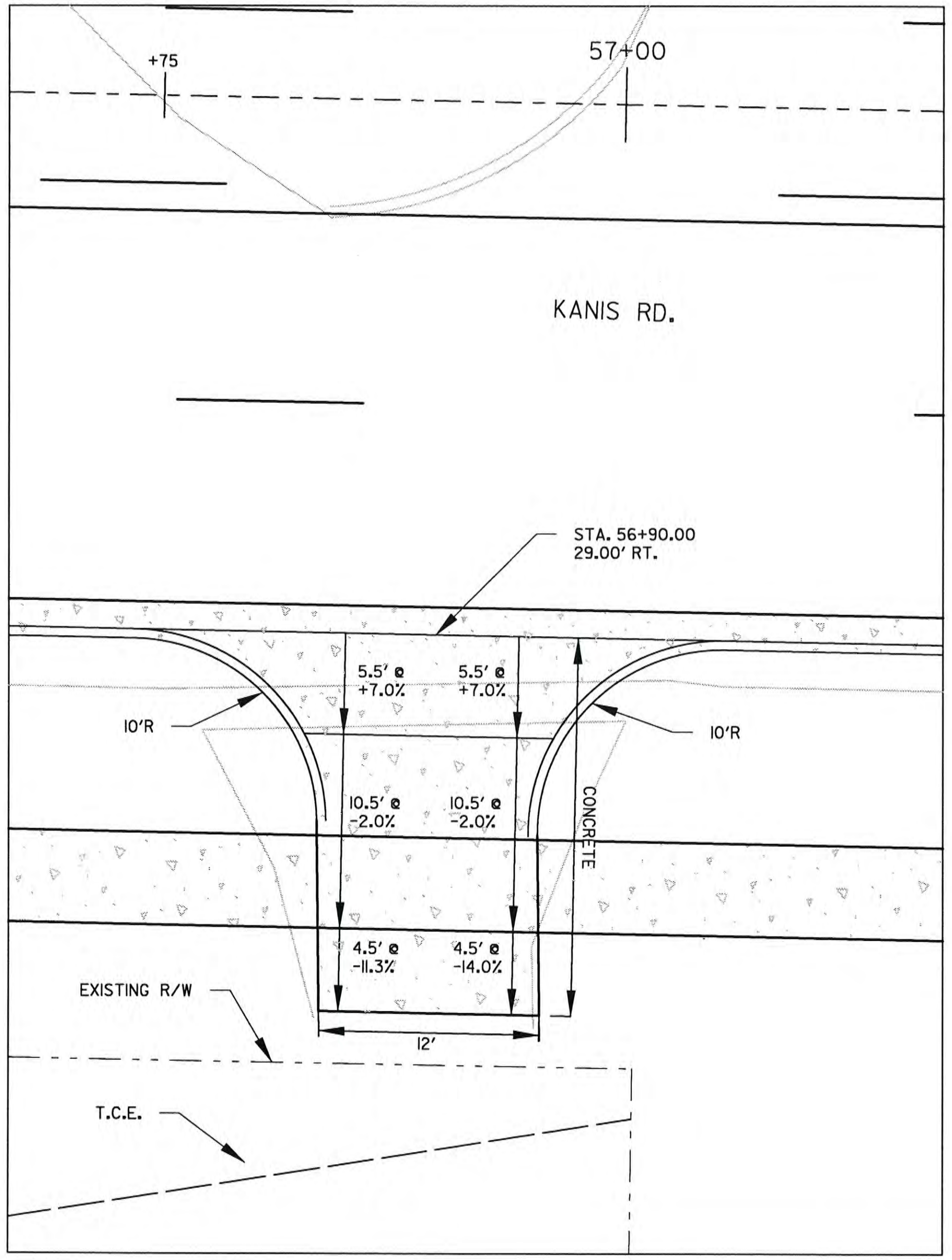
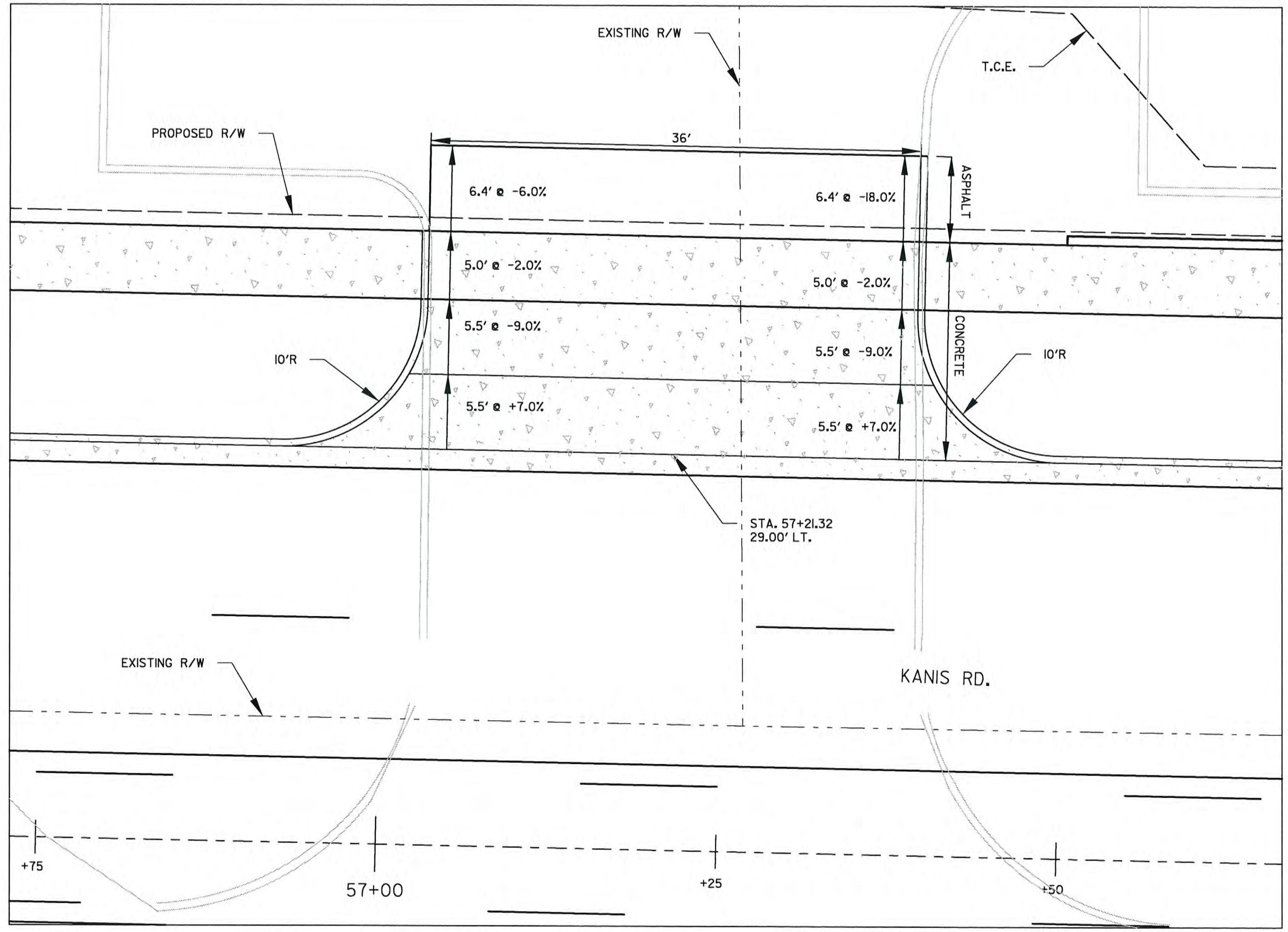
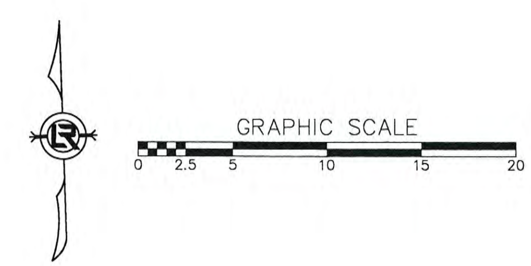
DATE
2 / 24 / 17
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-127







REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

KANIS RD.
DRIVEWAY DETAIL SHEET 11

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
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STATE OF ARKANSAS
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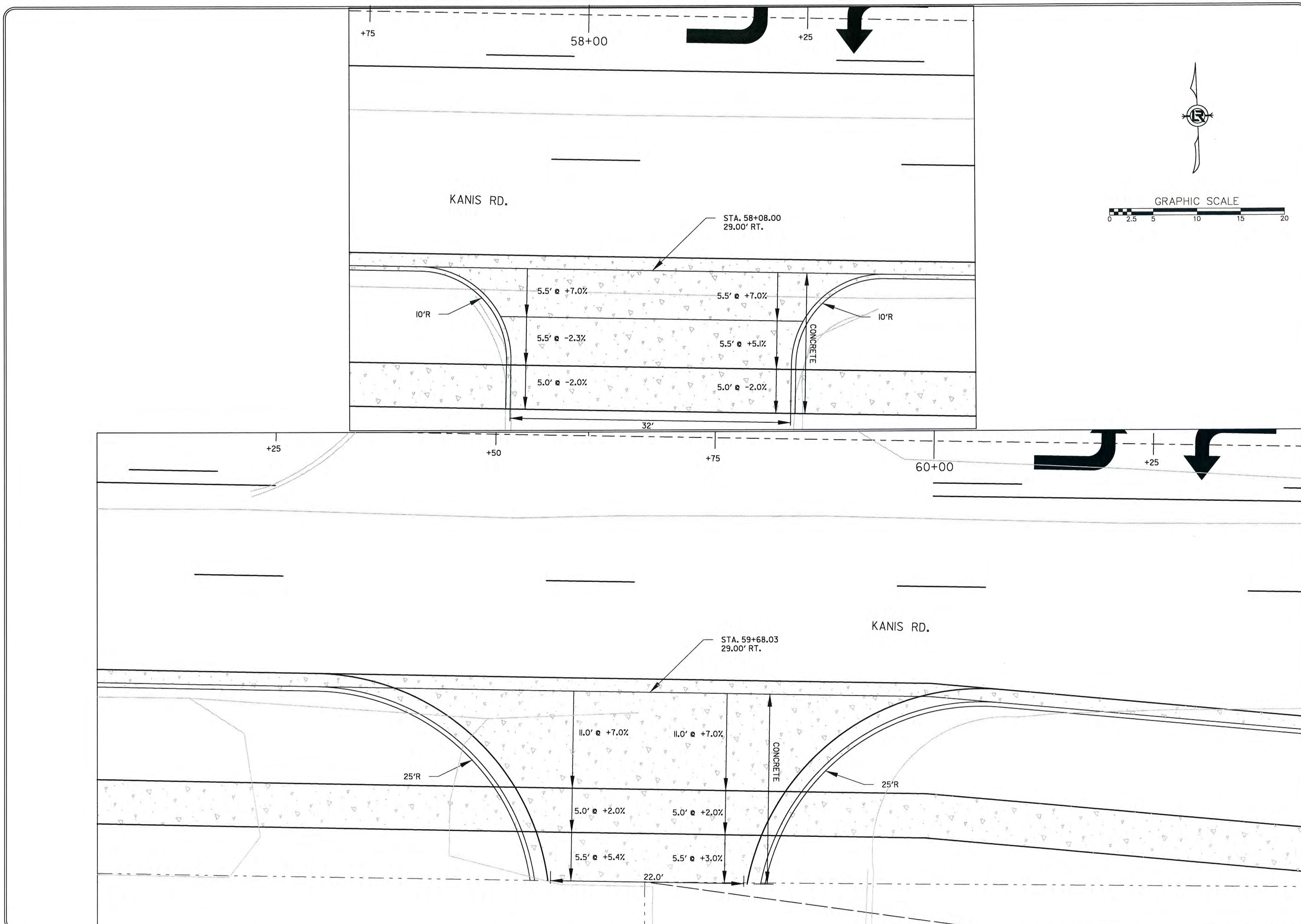
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-128



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS

KANIS ROAD

KANIS RD.
DRIVEWAY DETAIL SHEET 12

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
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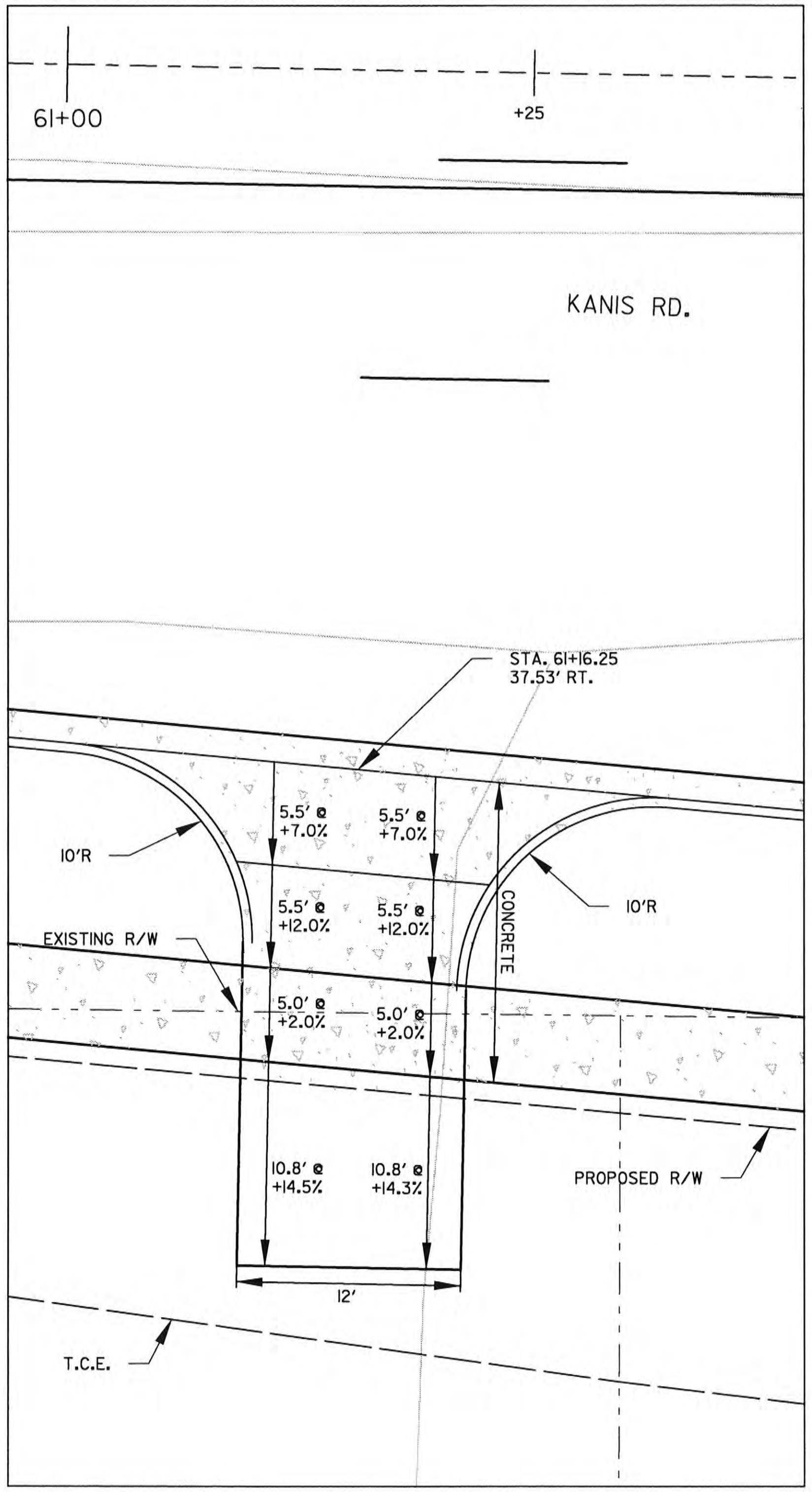
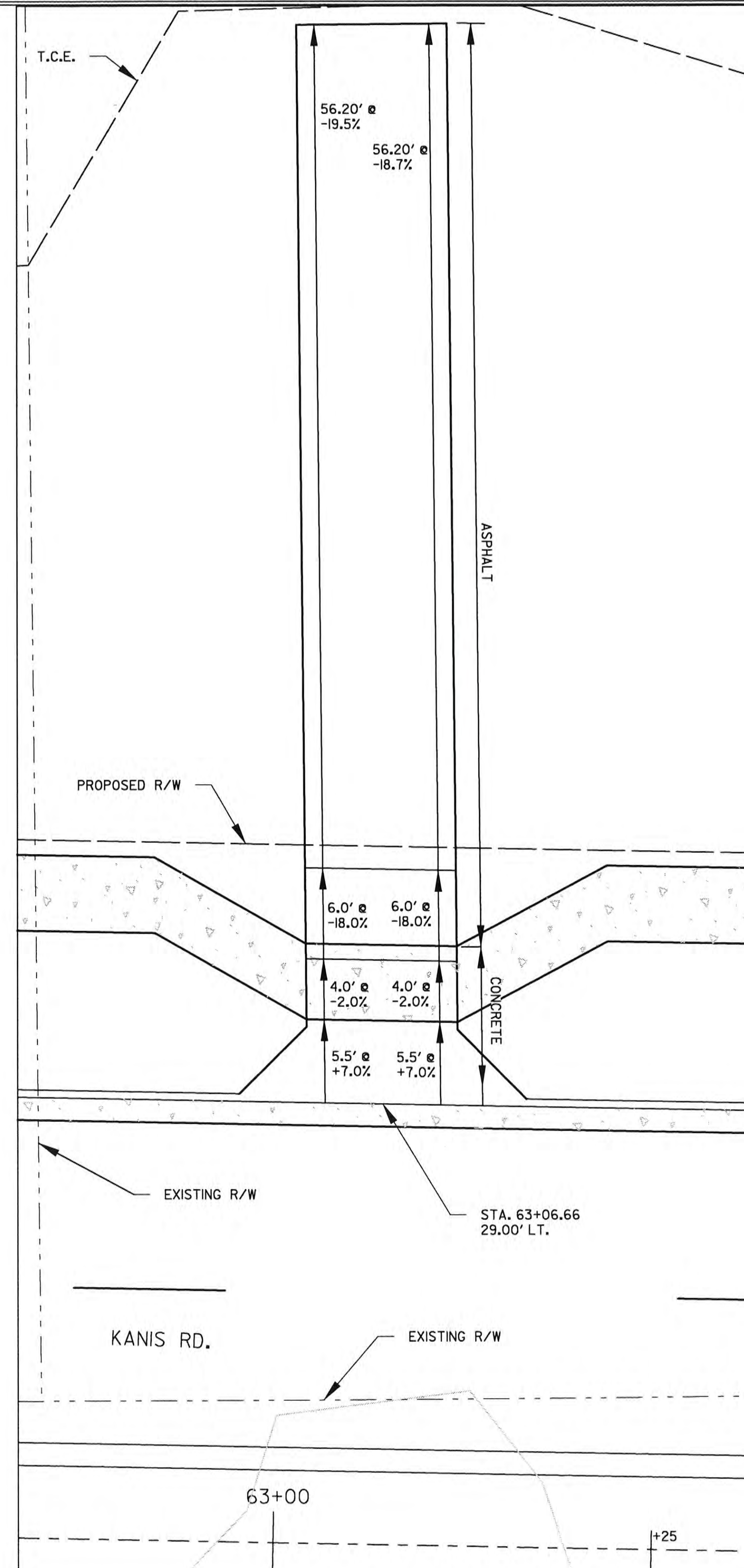
DATE
2 / 24 / 17
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-129





GRAPHIC SCALE
0 2.5 5 10 15 20

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
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No. 11427
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DATE
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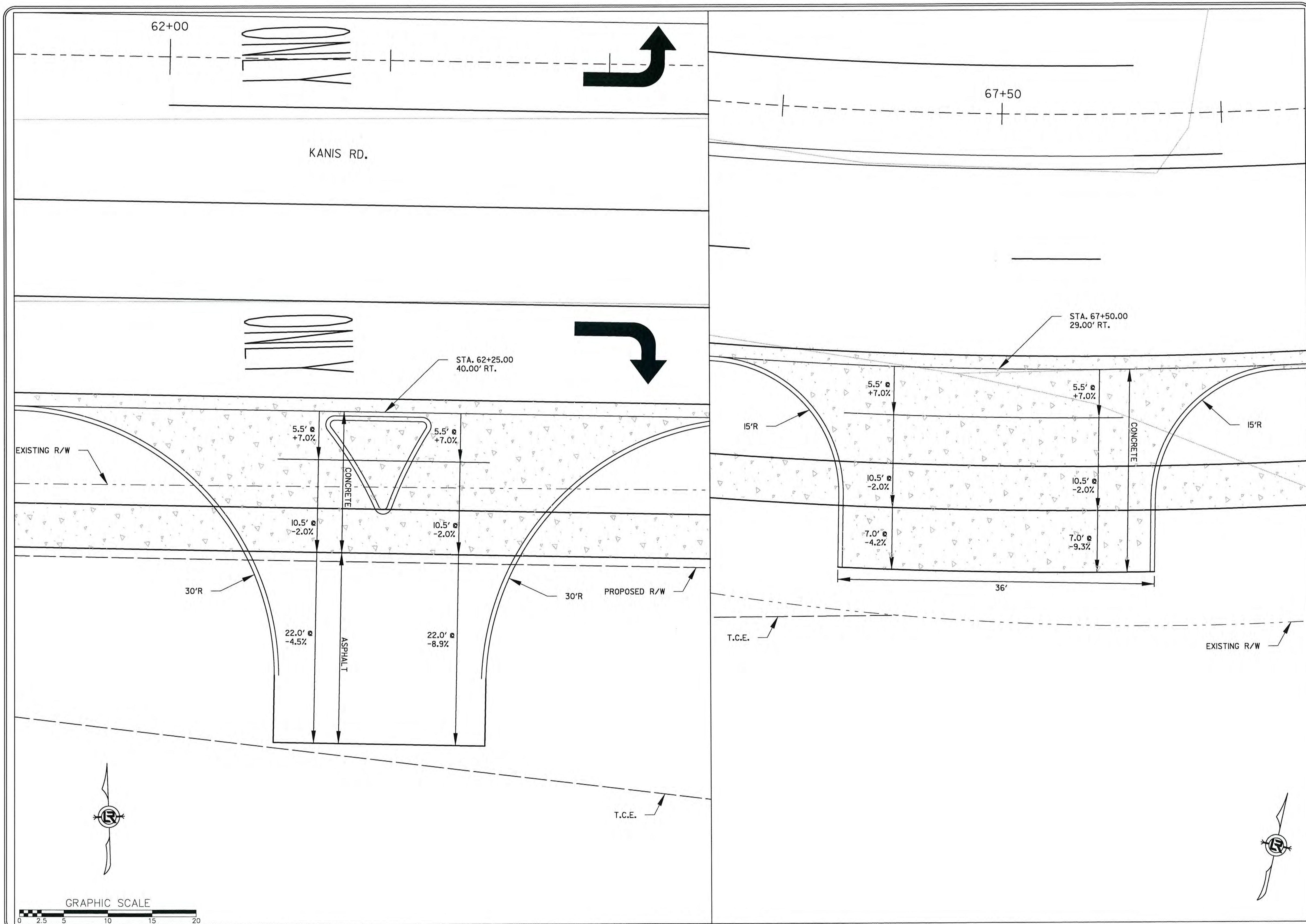
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-130



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

KANIS RD.
DRIVEWAY DETAIL SHEET 13

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
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STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11427
KEVIN G. TOBLESKY
9-15-17

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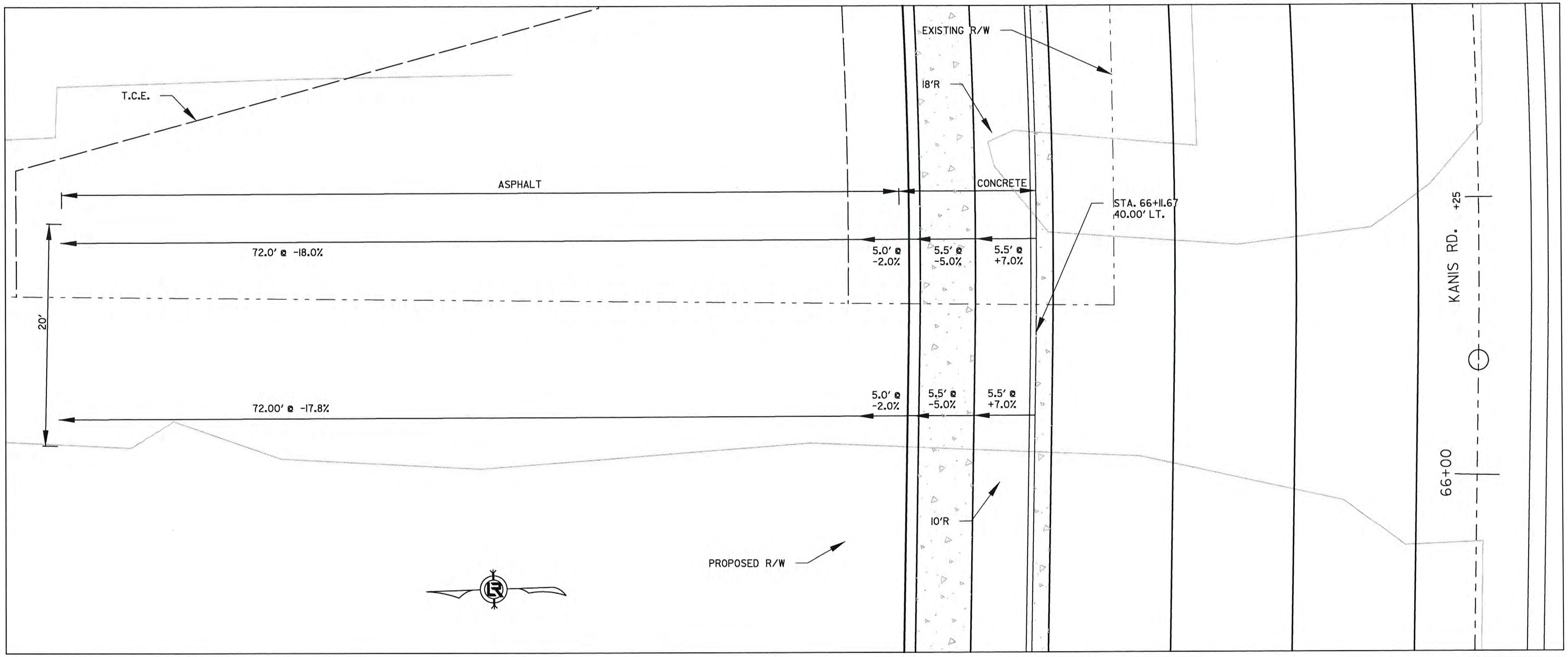
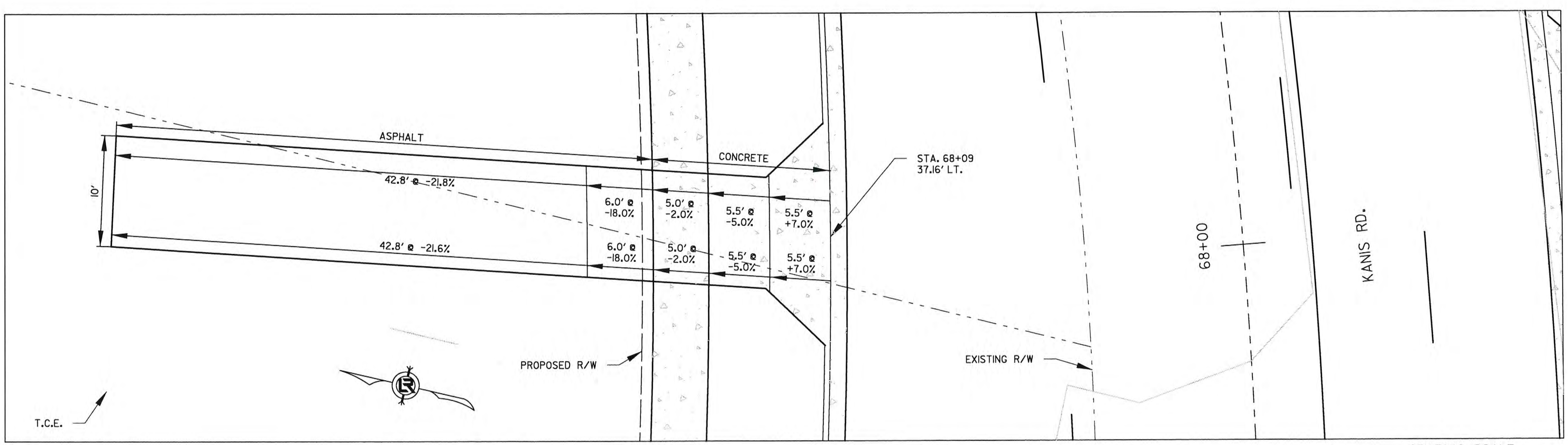
2 / 24 / 17
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-130A





GRAPHIC SCALE
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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
KEVIN G. TOBLESKY
3-15-17

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JAB
DESIGNED
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DATE
2 / 24 / 17
SCALE
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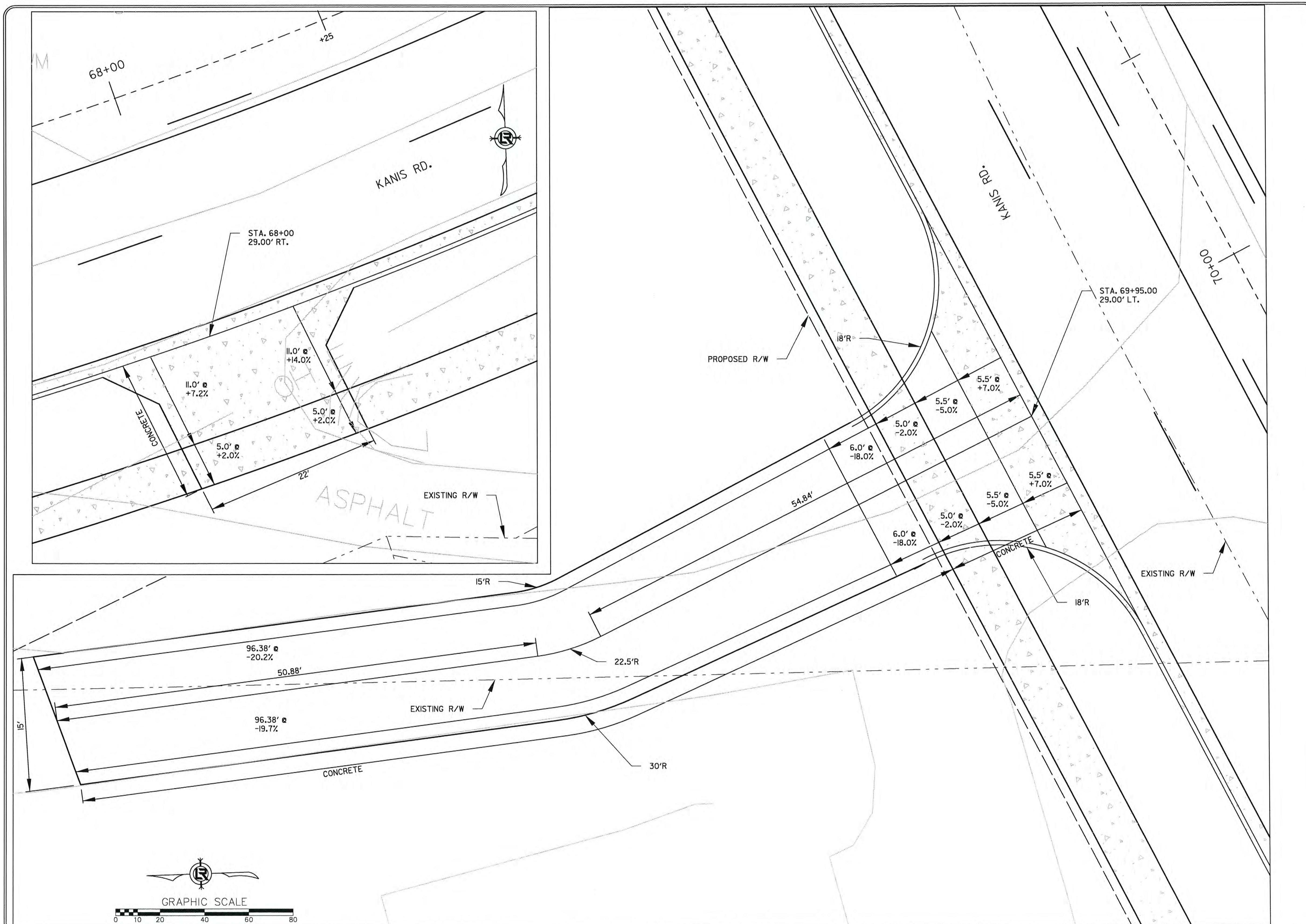
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-131



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 KEVIN G. TOBLESKY
3-15-17

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JAB
DESIGNED
RFR
CHECKED
KGT
DATE
2 / 24 / 17
SCALE
1" = 10'
PROJECT NO.
13-B-5D-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. TOBLESKY
3-15-17

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JAB
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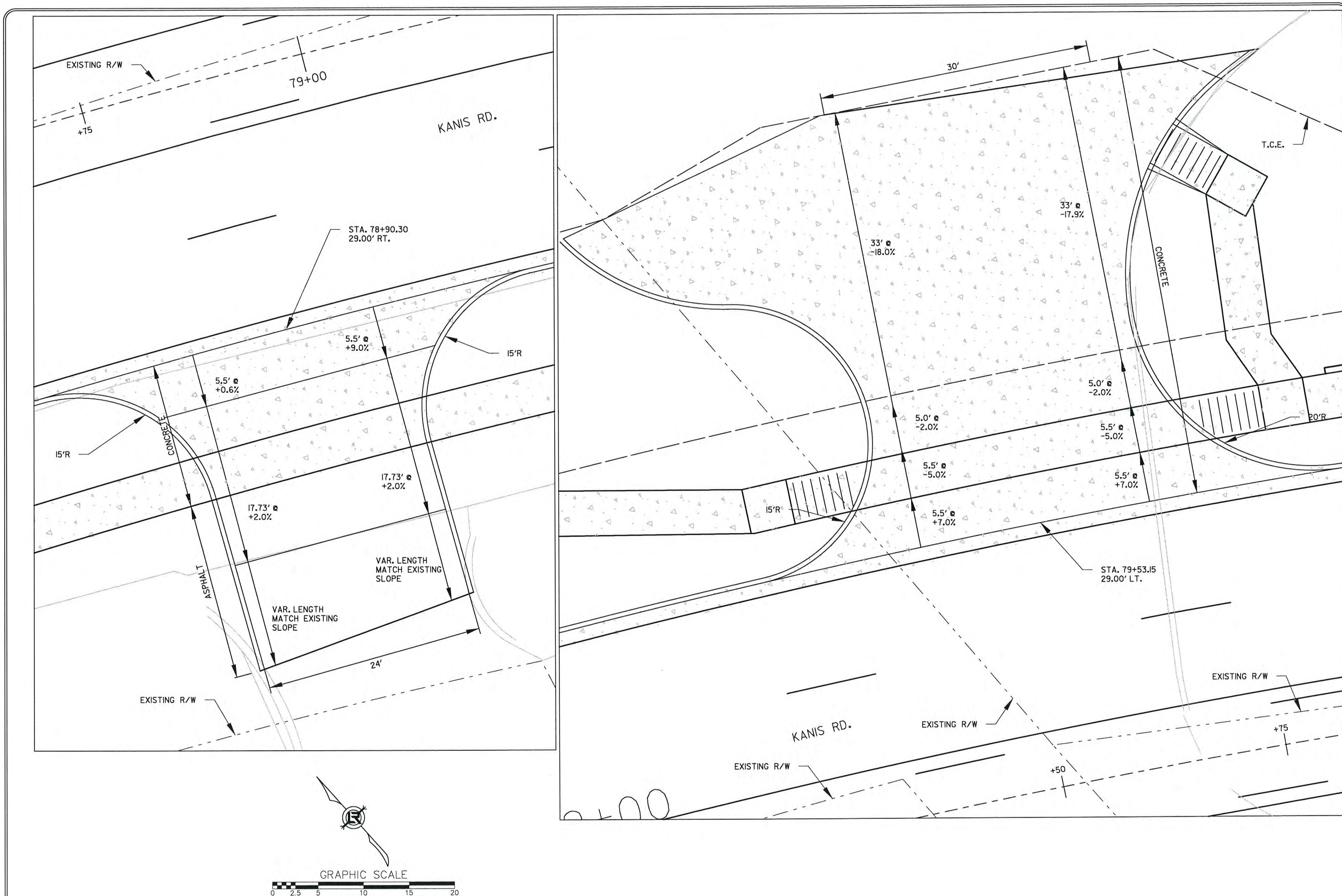
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-133



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
No. 11427
KEVIN G. TOBLESKY

3-15-17

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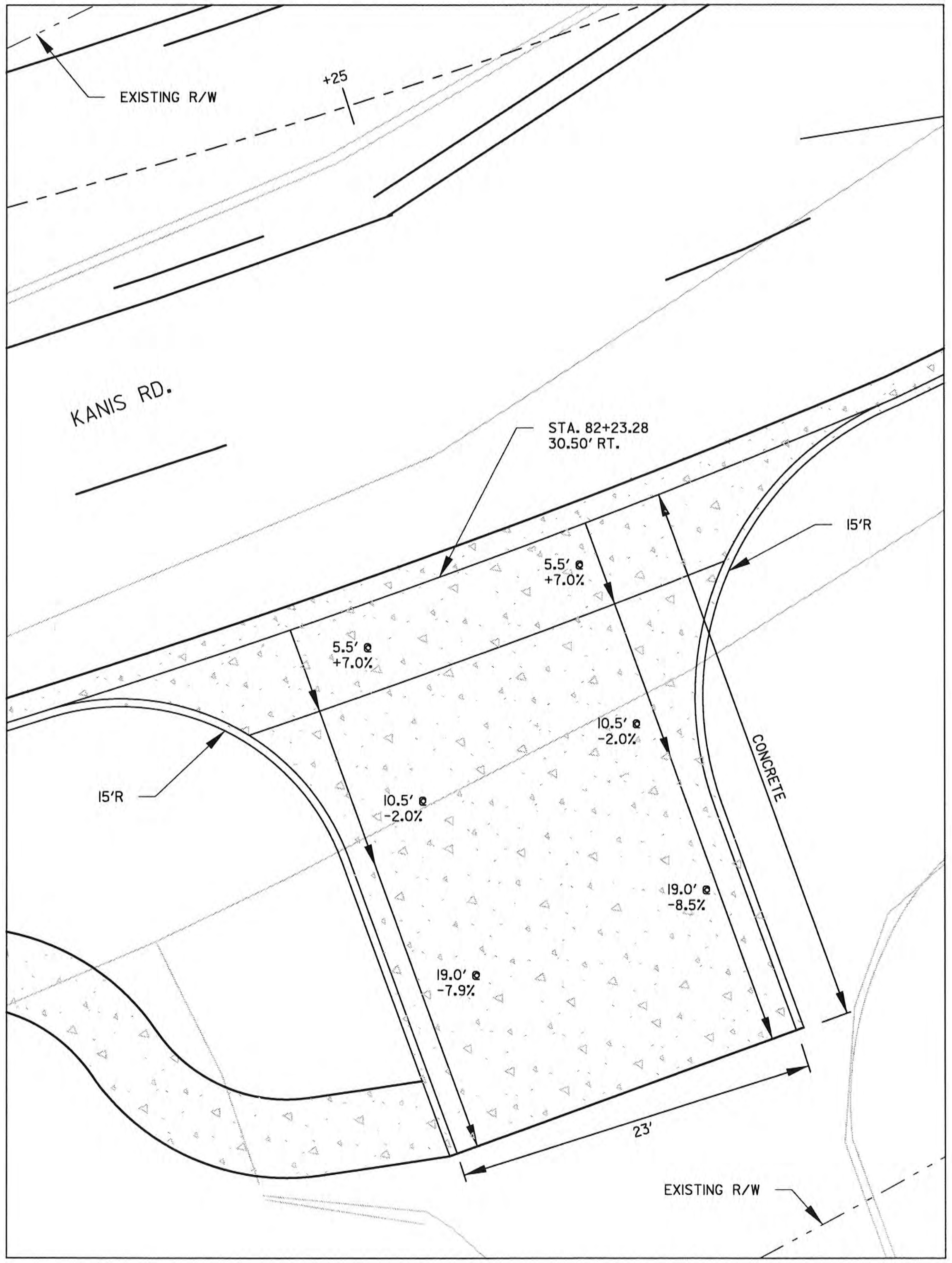
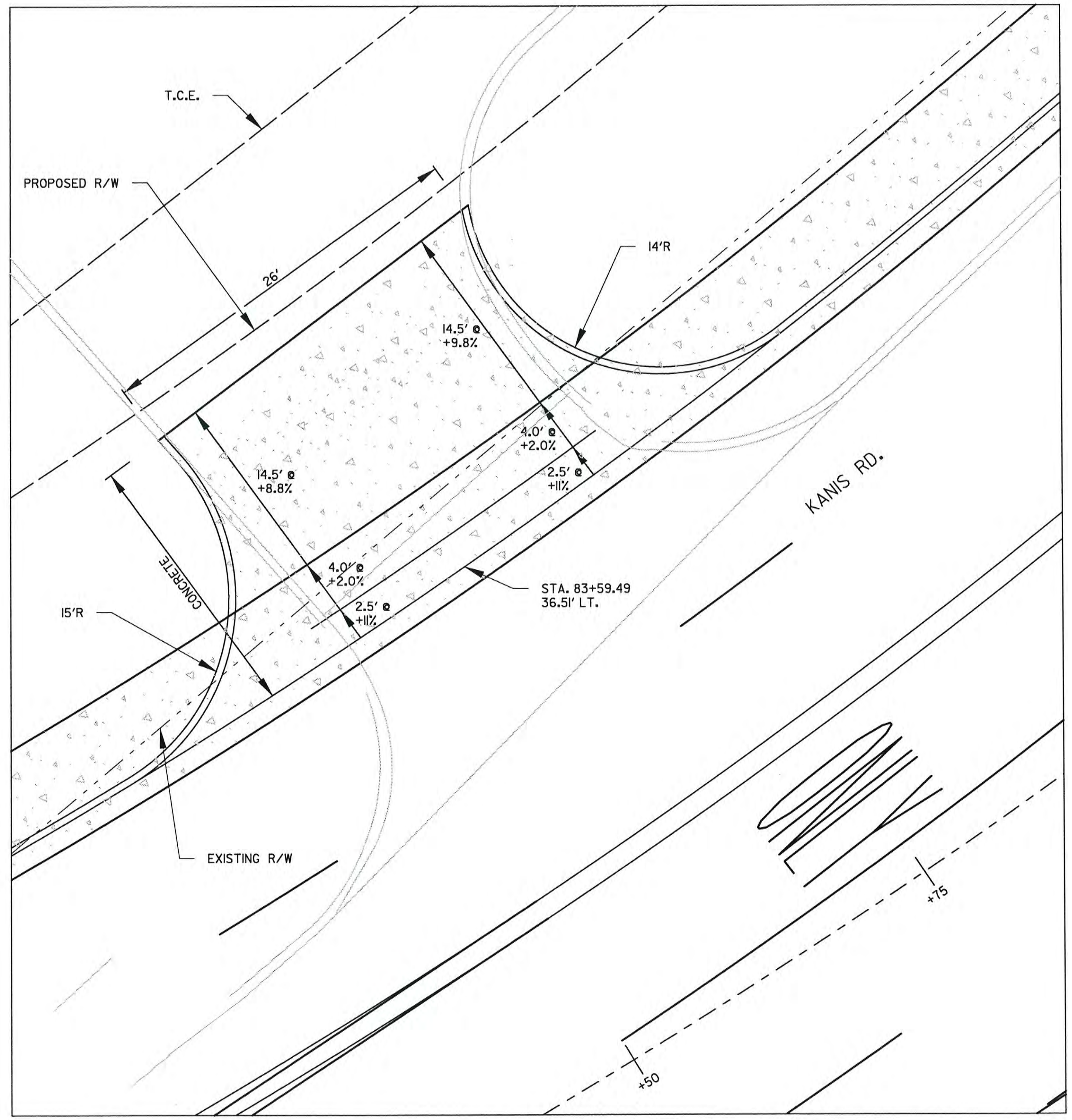
SHEET NO.	C-134





GRAPHIC SCALE
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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
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No. 11427
KEVIN G. TOBLESKY

3-15-17

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JAB
DESIGNED
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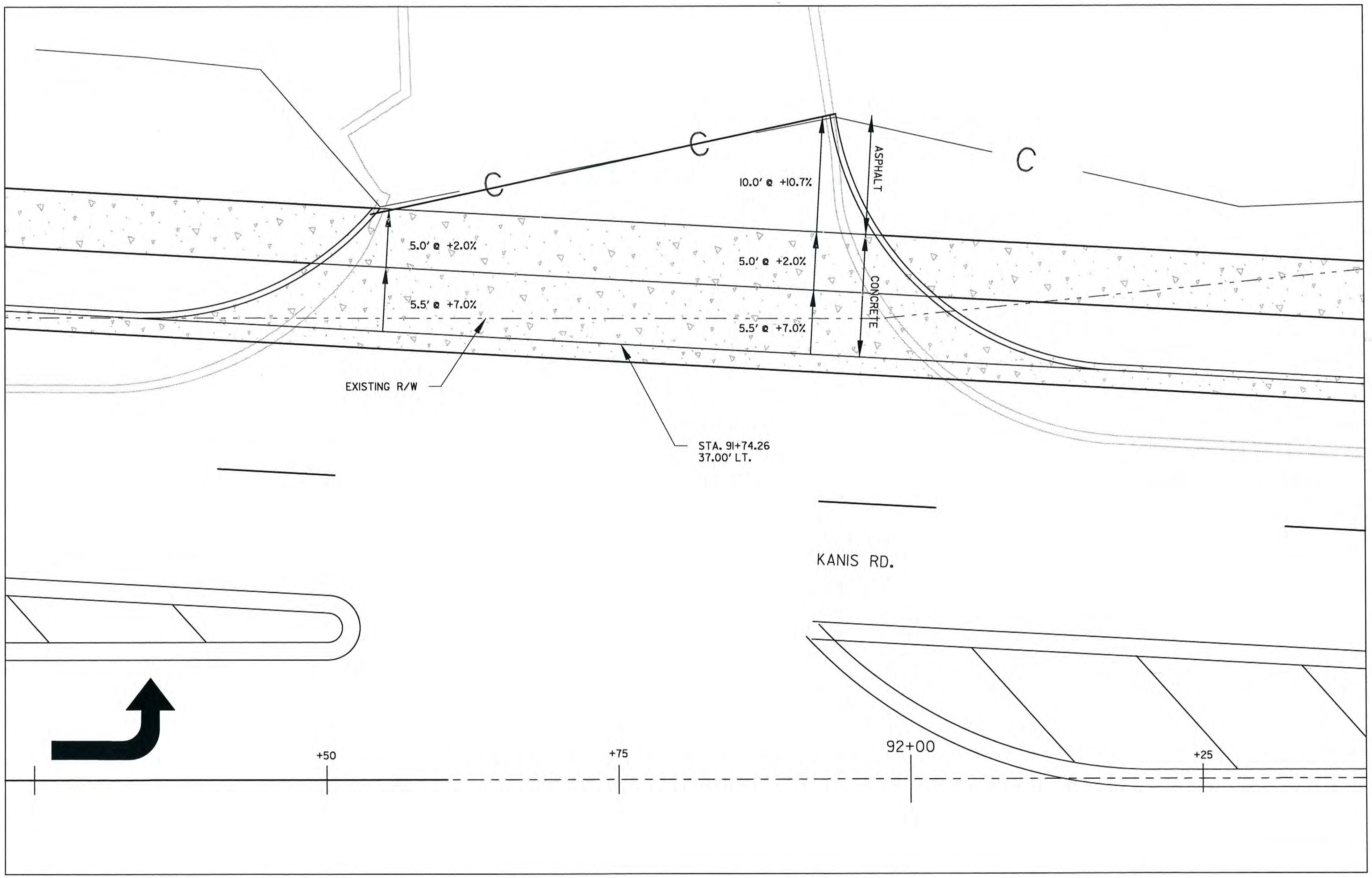
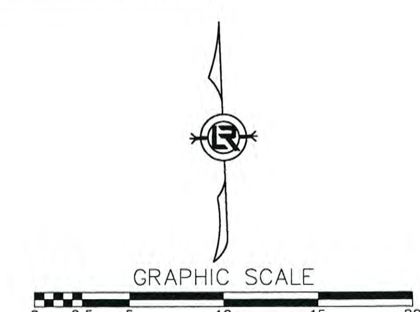
13-B-5D-6A
SHEET NO.
C-135





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
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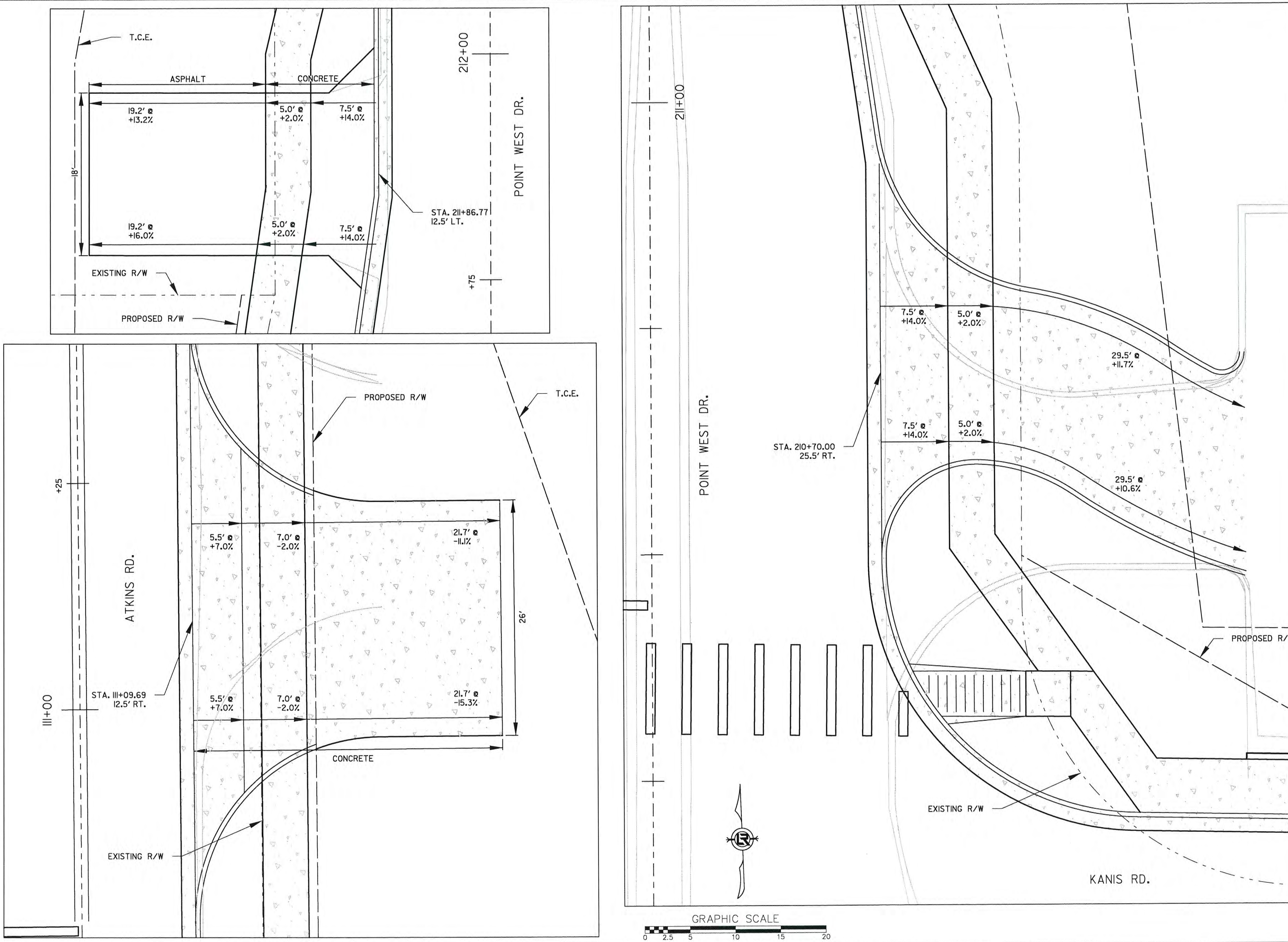
13-B-5D-6A
SHEET NO.
C-136



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

KANIS RD.
DRIVEWAY DETAIL SHEET 20

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
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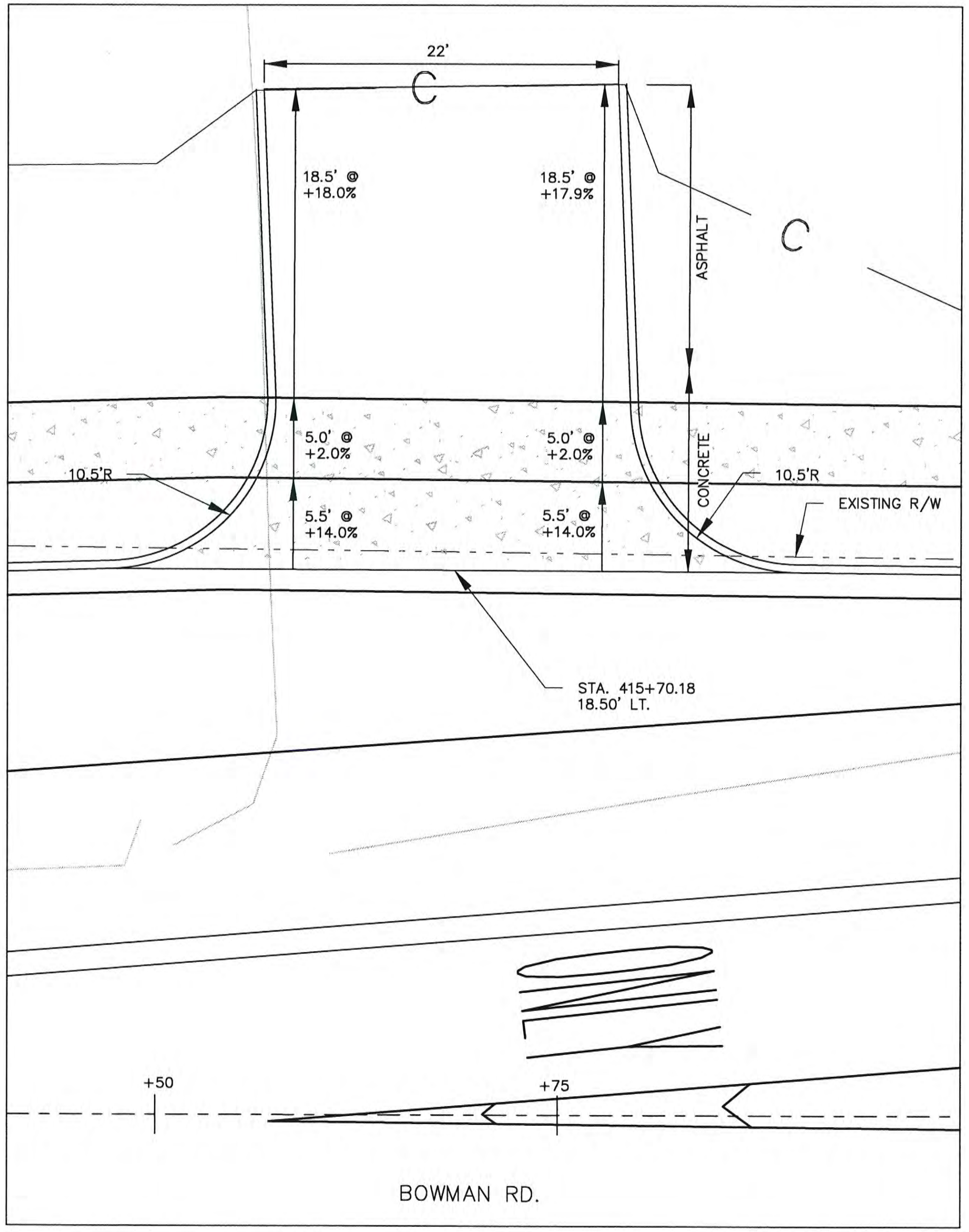
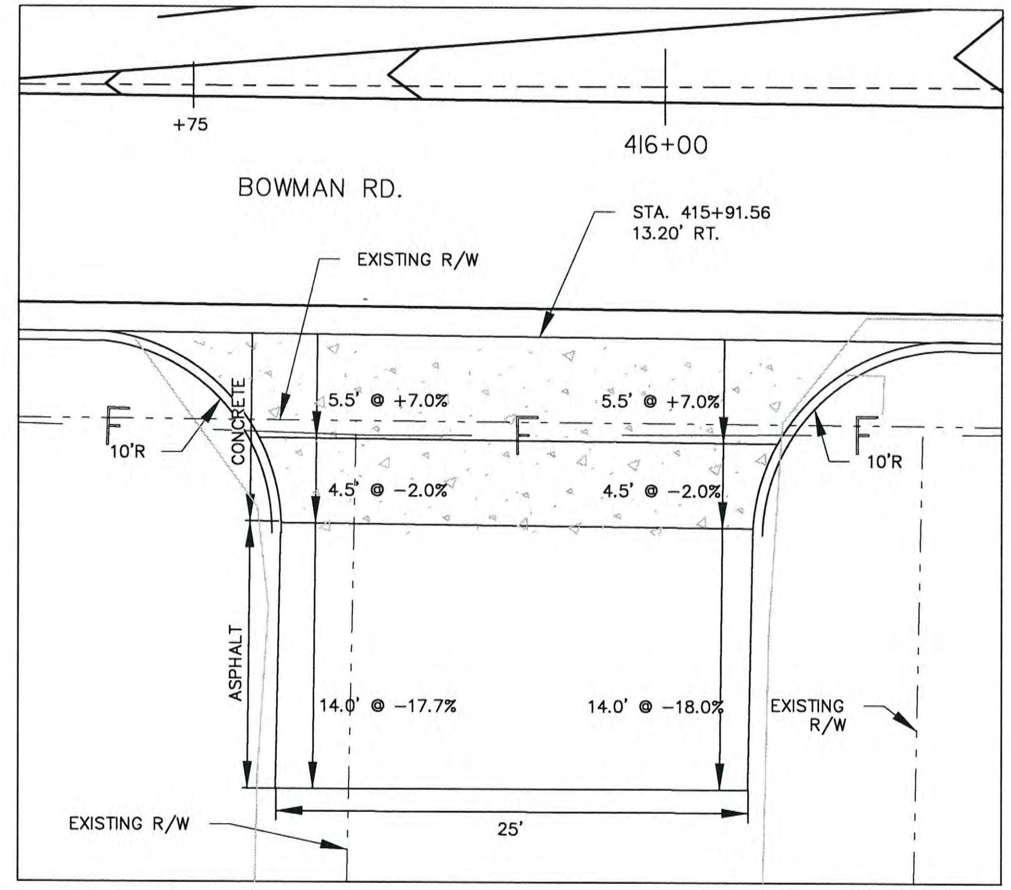
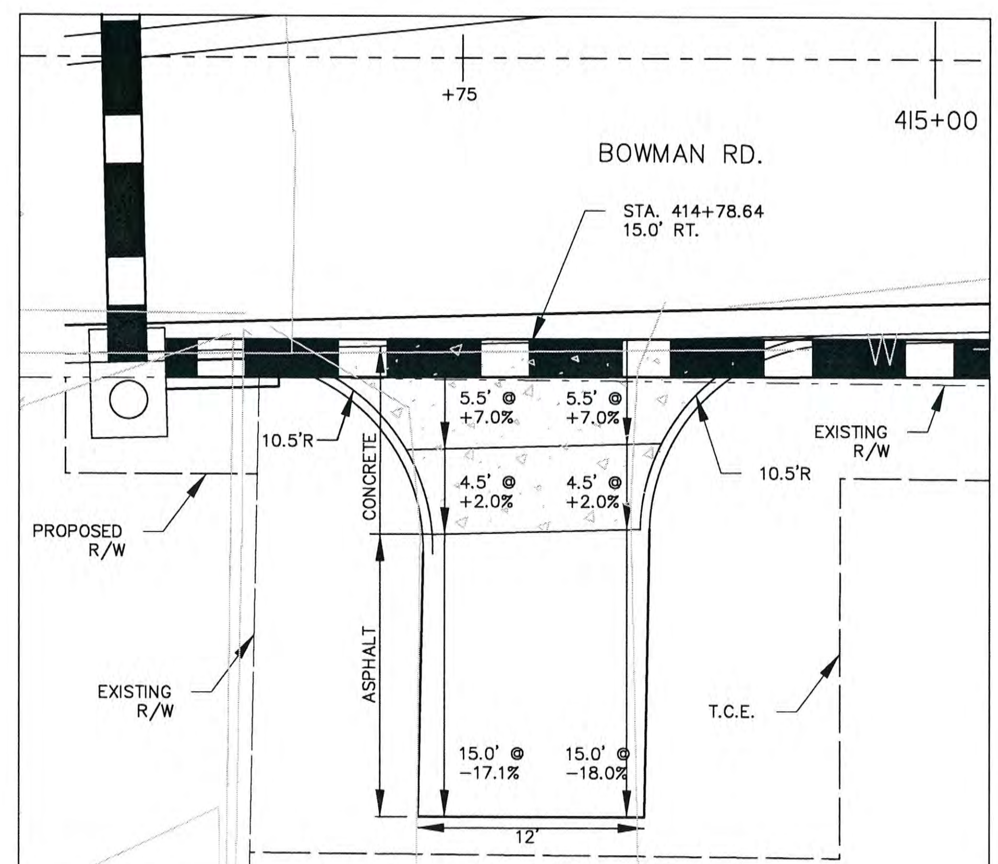
13-B-5D-6A
SHEET NO.
C-137







REVISIONS	DATE

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

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
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STATE OF ARKANSAS
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No. 11427
KEVIN G. TOBLESKY
3-15-17

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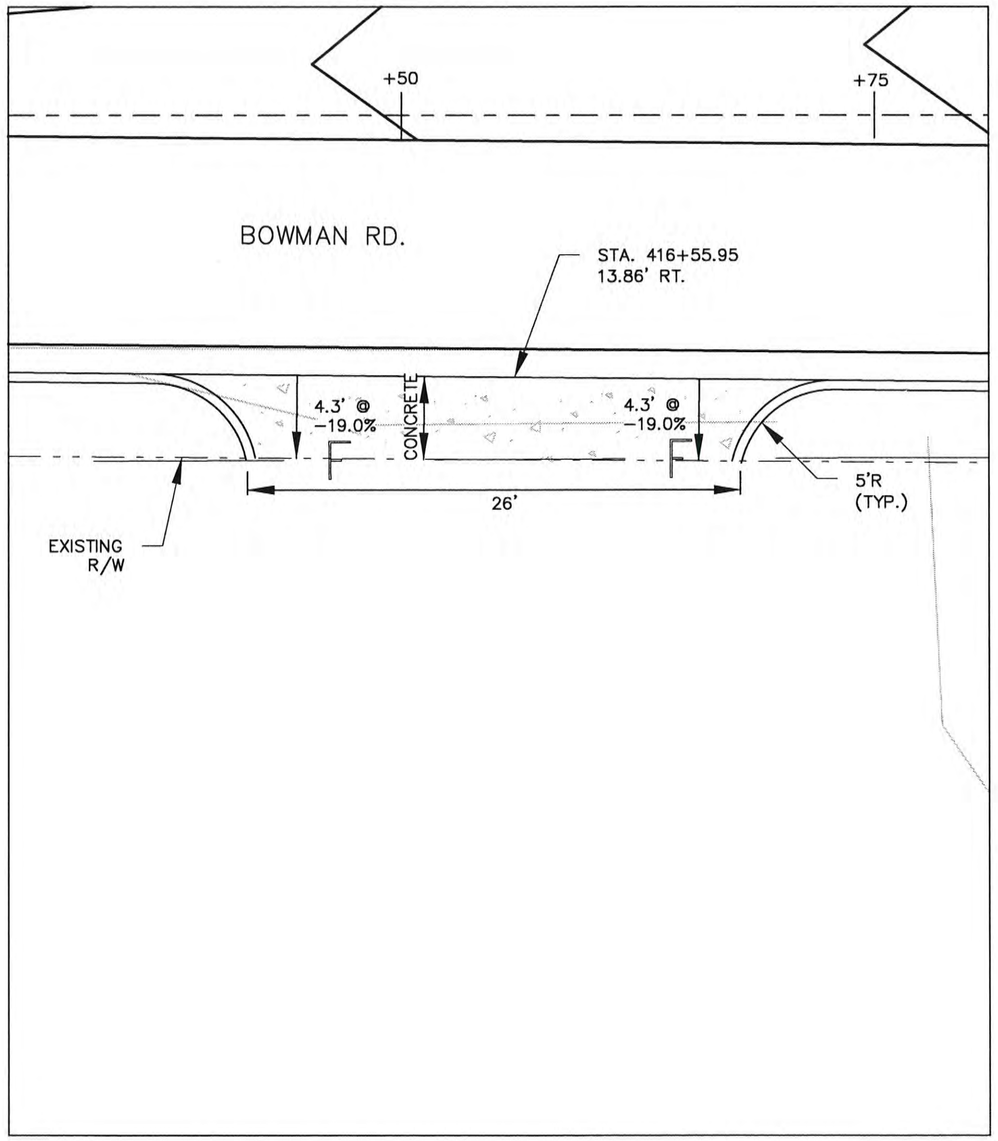
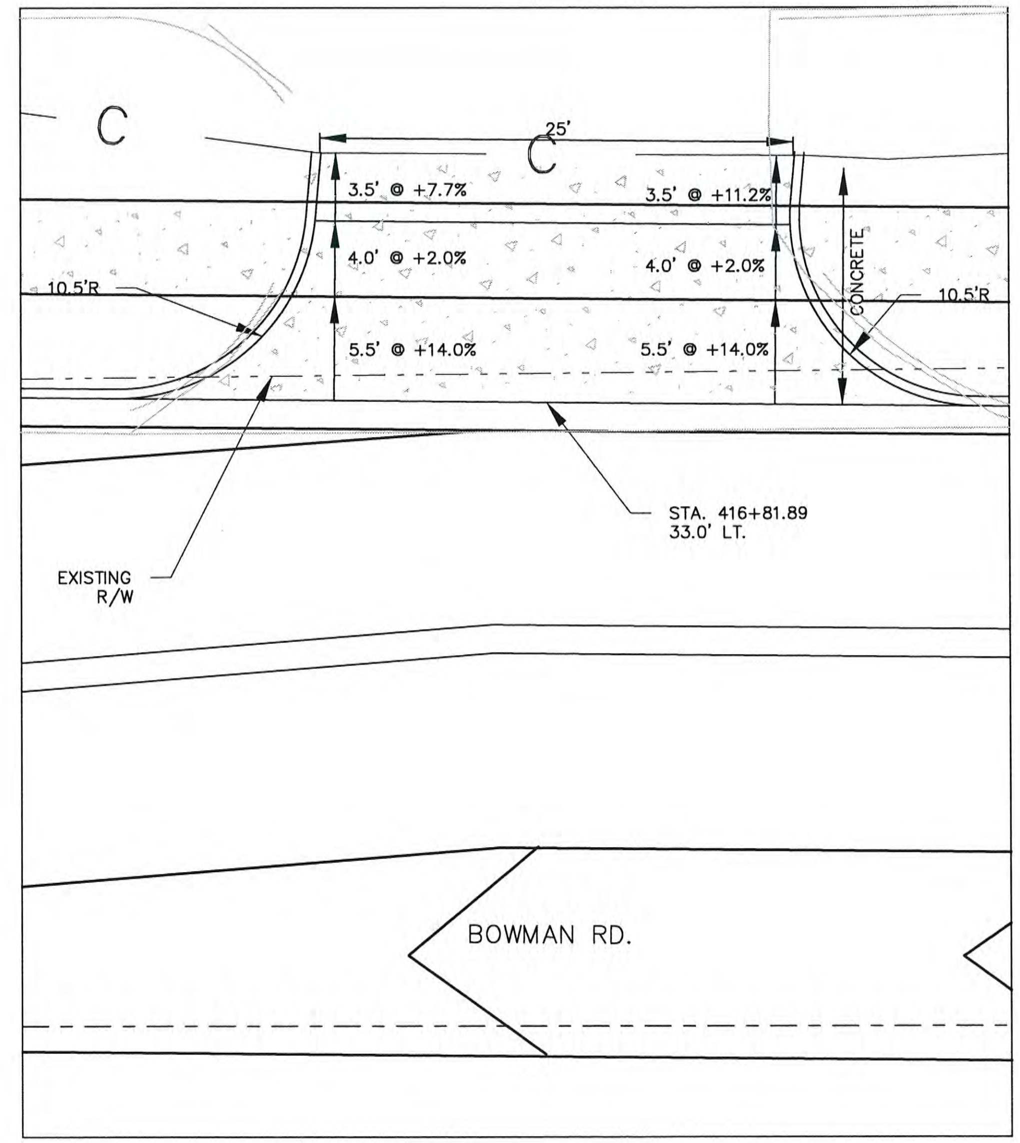
SHEET NO.	C-138





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. TOBLESKY

3-15-17

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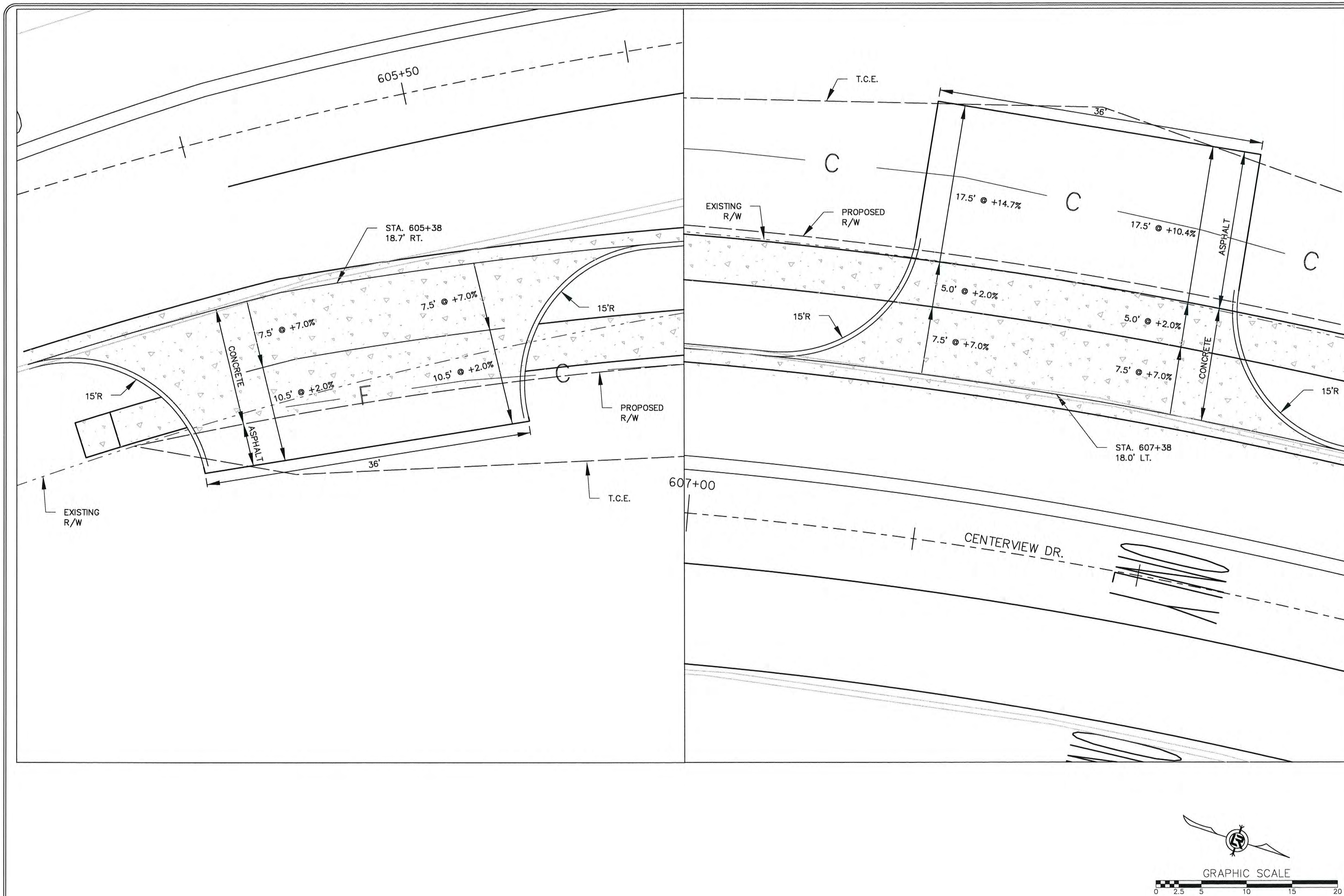
KGT
DATE
2 / 24 / 17
SCALE
1" = 10'
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-139



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

BOWMAN RD.
DRIVEWAY DETAIL SHEET 22

DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
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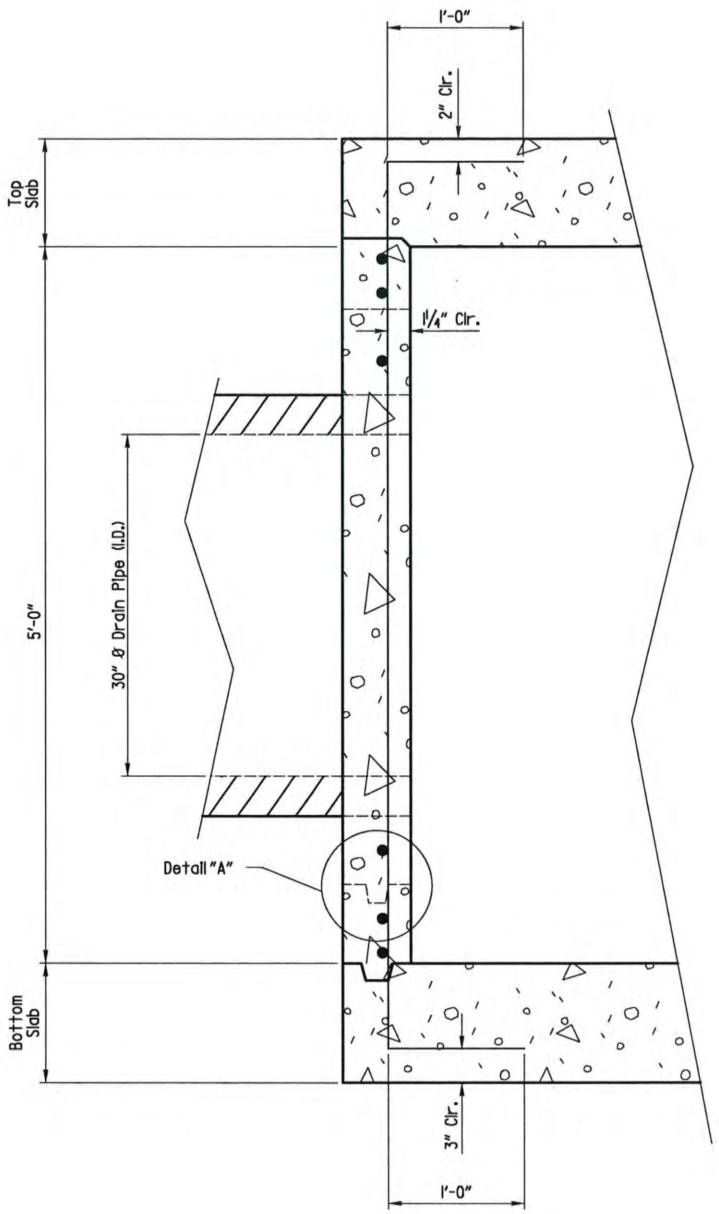
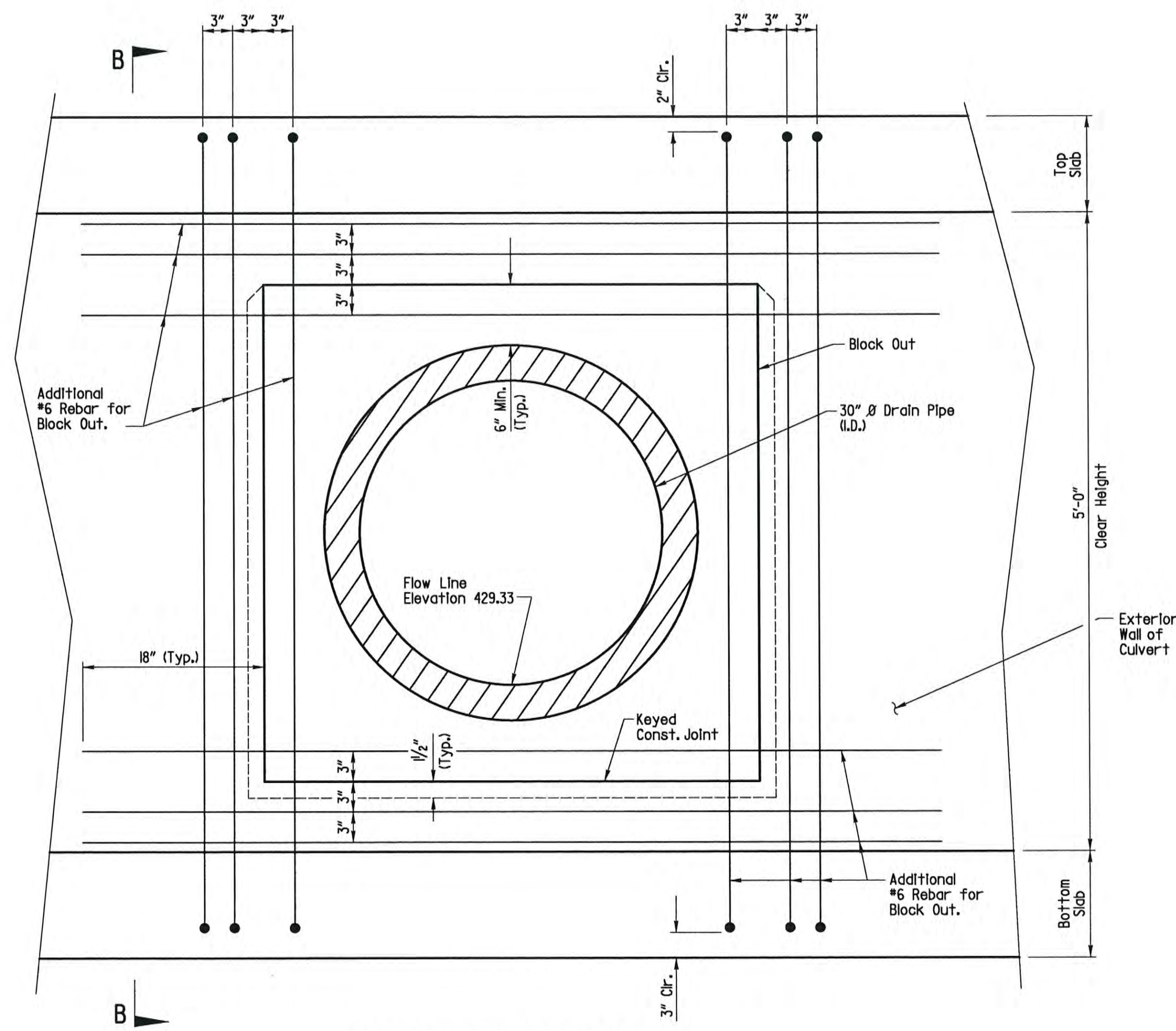
13-B-5D-6A
SHEET NO.
C-139A



SECTION B-B
(No Scale)



PART ELEVATION OF EXTERIOR WALL
(No Scale)

GENERAL NOTES

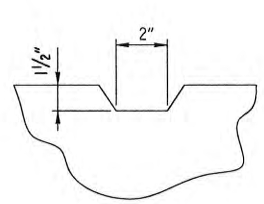
Place ⅝" joint filler around reinforced concrete pipe or plastic pipe, and emulsified asphalt around corrugated metal pipe at pipe inlet.

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 seperate payment will be made for additional reinforcement required.

See Sheet C-94 for details of Drain Pipe not shown.



DETAIL A
(No Scale)

REVISIONS	DATE

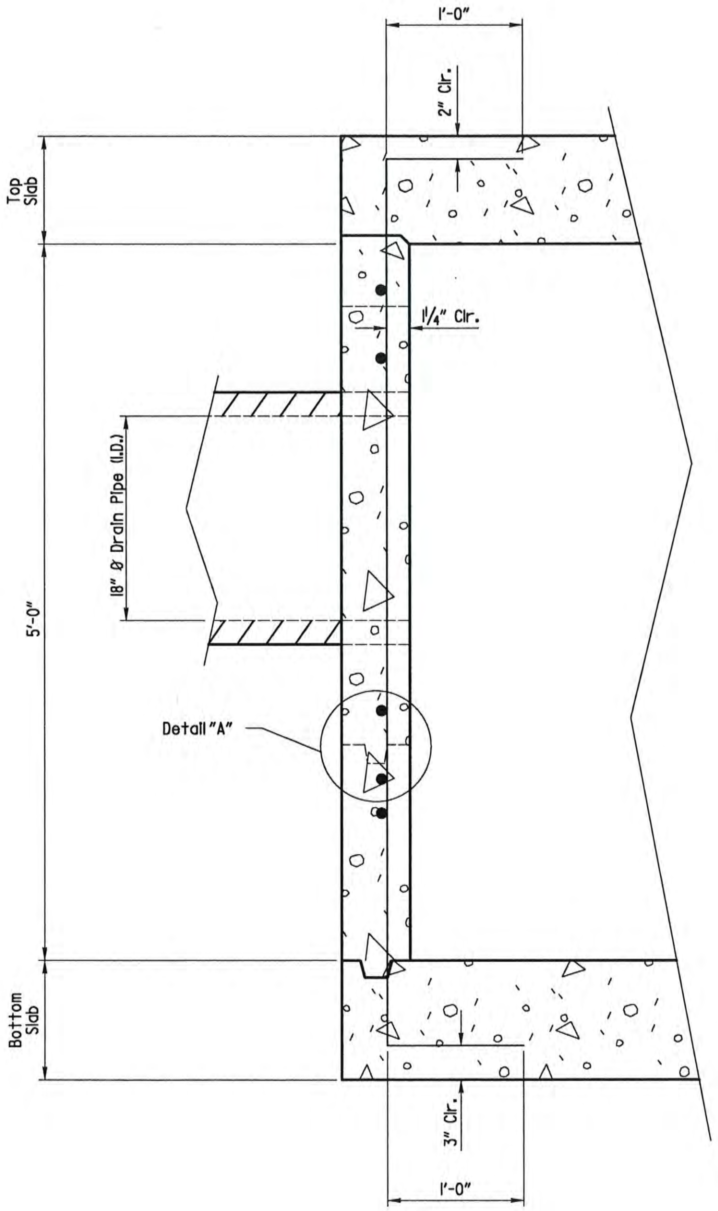
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

DETAILS OF PIPE INLET (30" I.D.)
SINGLE BARREL BOX CULVERT
STA. 48+30

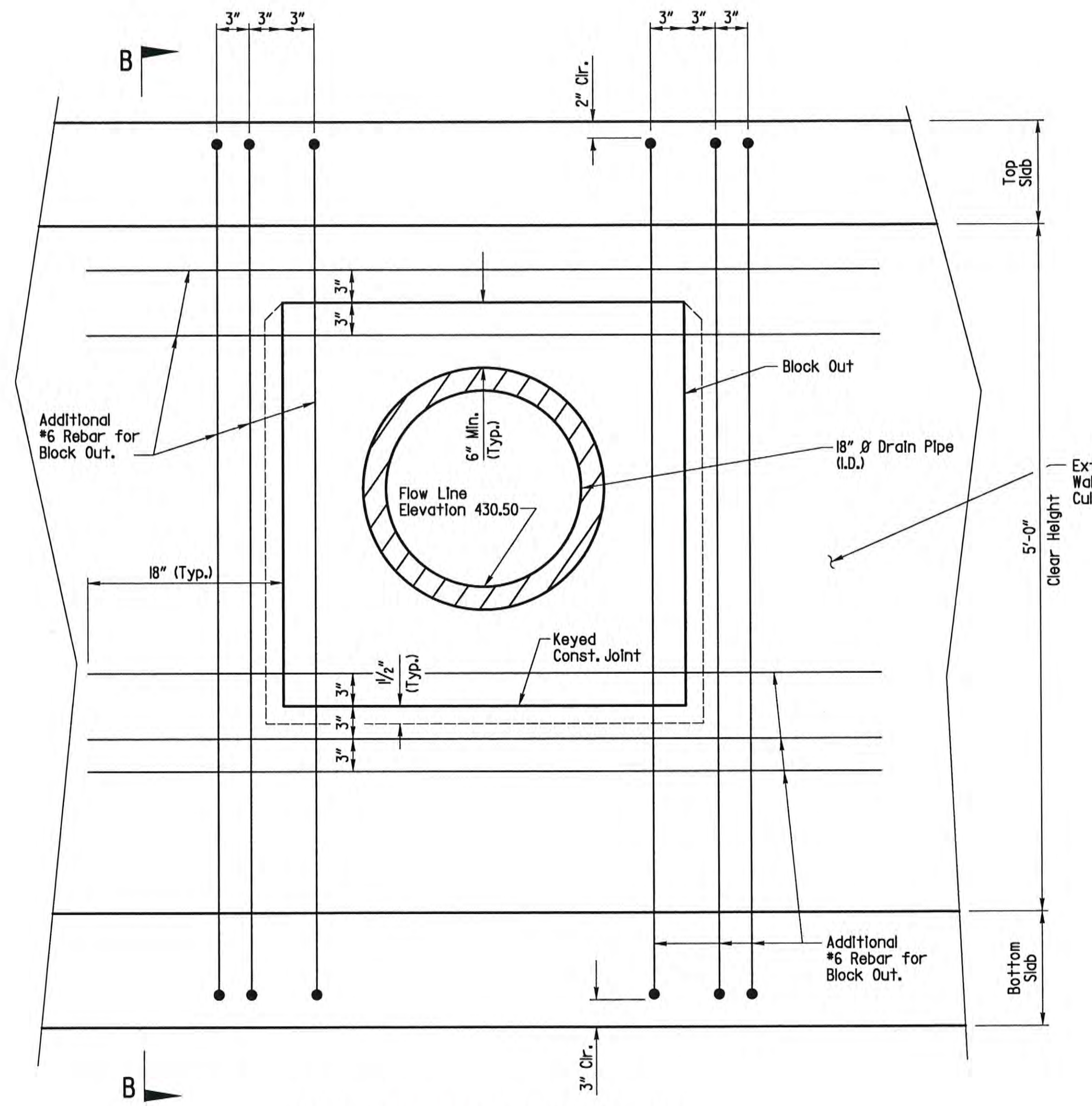
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11328
CHRISTOPHER J. CRISWELL
3/15/17

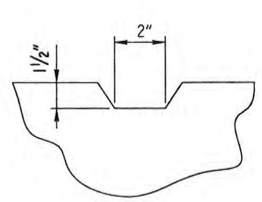
DRAWN BY
JAB
DESIGNED
CJC
CHECKED
CGW
DATE
12 / 30 / 15
SCALE
NONE
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-260



SECTION B-B
(No Scale)



PART ELEVATION OF EXTERIOR WALL
(No Scale)



DETAIL A
(No Scale)

GENERAL NOTES

Place ⅜" 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 seperate payment will be made for additional reinforcement required.

See Sheet C-94 for details of Drain Pipe not shown.

REVISIONS	DATE

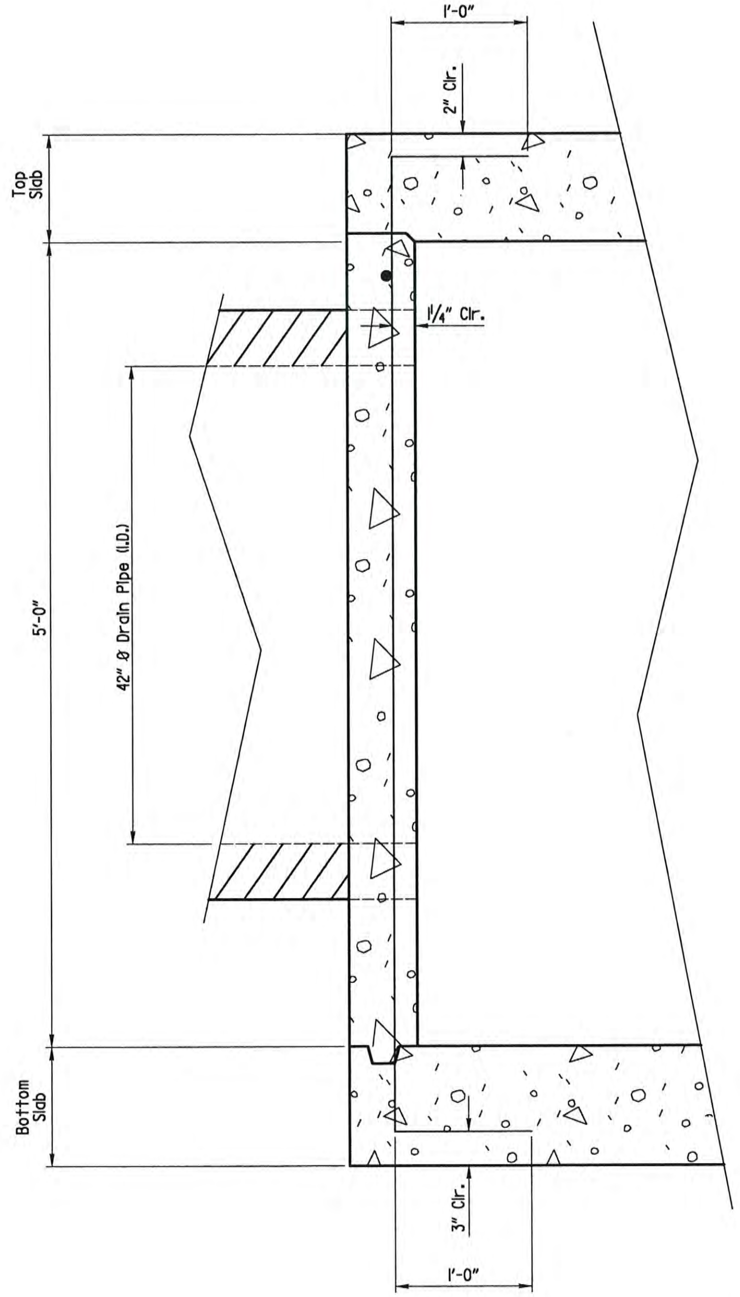
CITY OF LITTLE ROCK, ARKANSAS
KANIS ROAD

DETAILS OF PIPE INLET (18" I.D.)
SINGLE BARREL BOX CULVERT
STA. 48+30

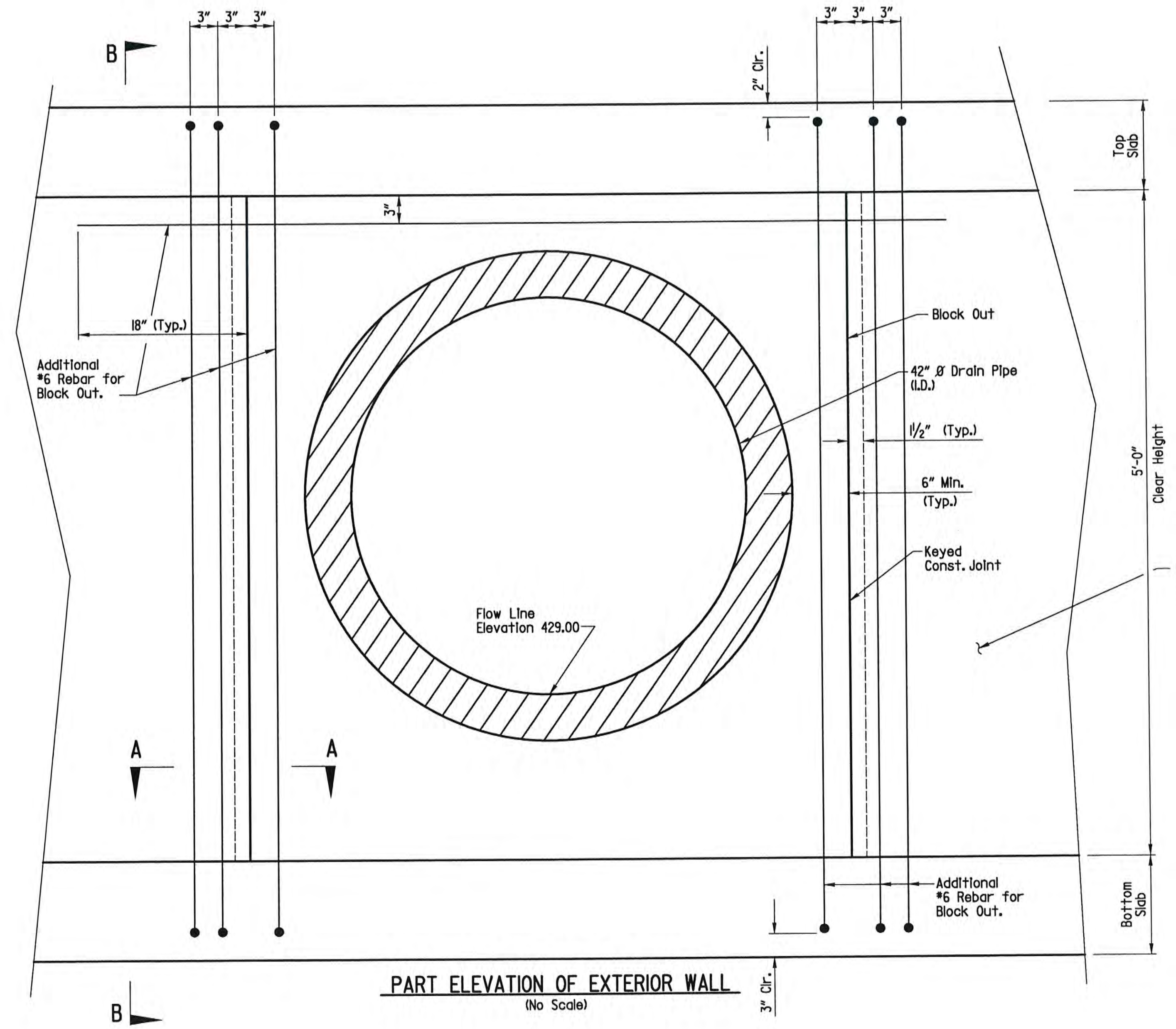
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
No. 11328
CHRISTOPHER J. CRISWELL
3/15/17

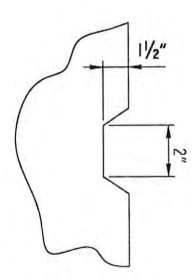
DRAWN BY
JAB
DESIGNED
CJC
CHECKED
CGW
DATE
12 / 30 / 15
SCALE
NONE
PROJECT NO.
13-B-5D-6A
SHEET NO.
C-261



SECTION B-B
(No Scale)



PART ELEVATION OF EXTERIOR WALL
(No Scale)



SECTION A-A
(No Scale)

GENERAL NOTES

Place ⅜" 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 seperate 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
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