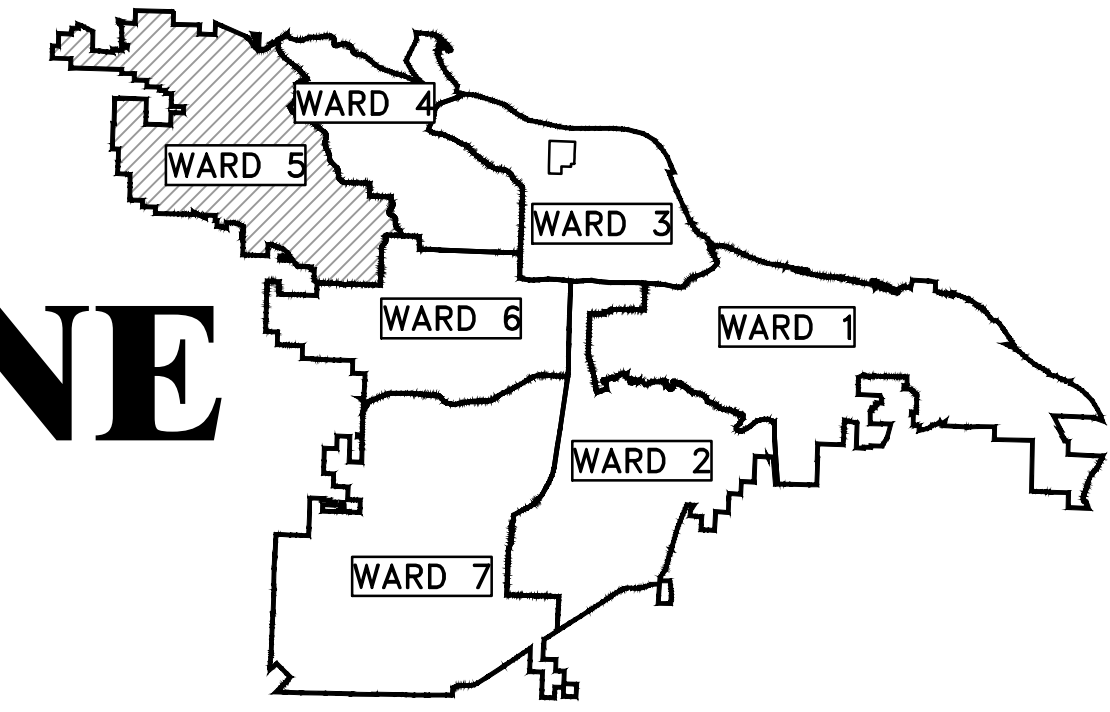
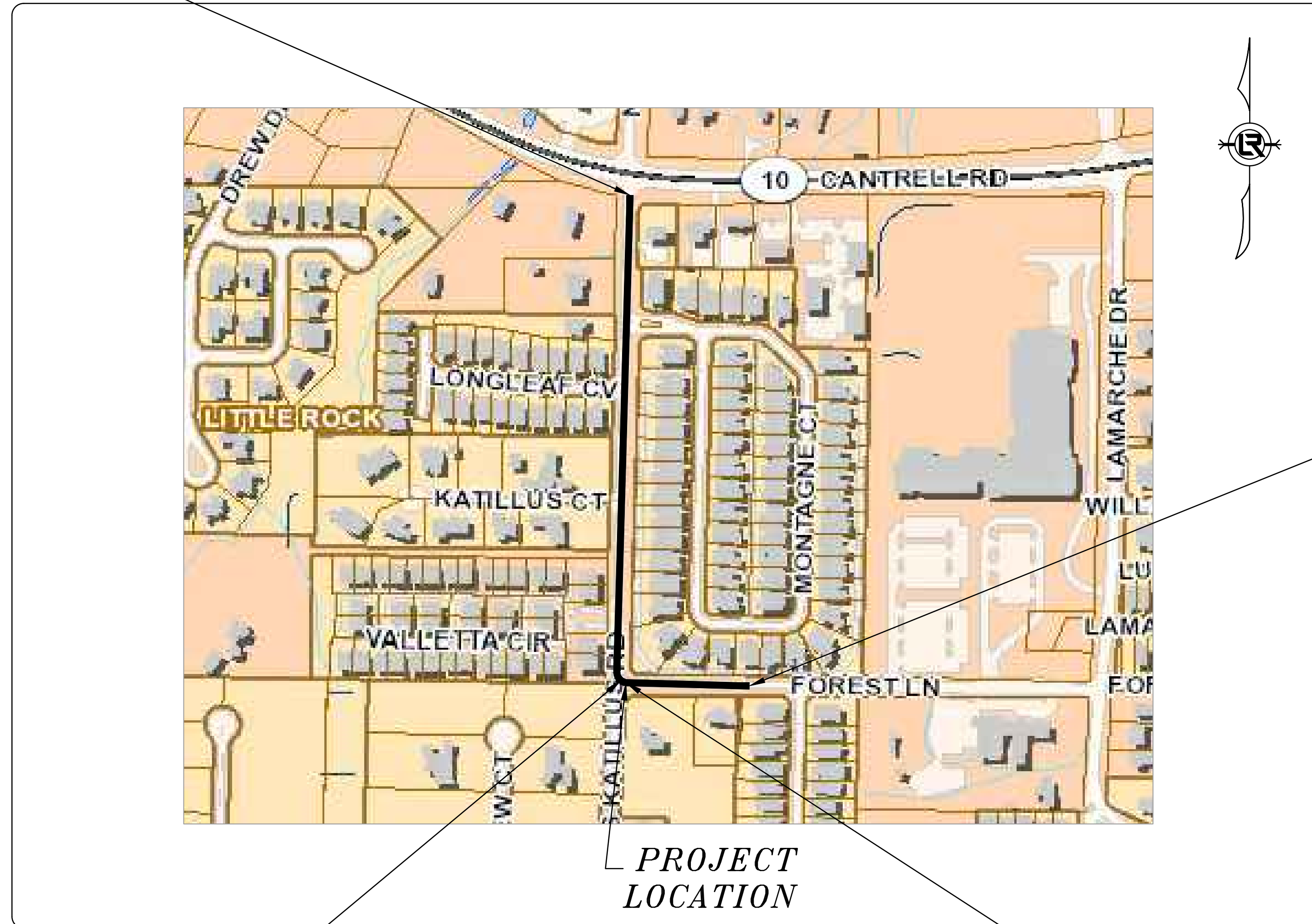


# CLR PROJECT 05-17-ST-223B KATILLUS ROAD AND FOREST LANE IMPROVEMENTS (CANTRELL ROAD TO FOREST LANE)



PROJECT LOCATION - WARD 5

END PROJECT  
KATILLUS RD  
CL STATION 24+47  
NORTHING 171312.94  
EASTING 1174840.72



PROJECT LOCATION

BEGIN PROJECT  
KATILLUS RD  
CL STATION 10+00  
NORTHING 169866.97  
EASTING 1174799.52

BEGIN PROJECT  
FOREST LN  
STATION 100+00  
NORTHING 169979.91  
EASTING 1174809.31

SHEET NO.	TITLE
C1	COVER SHEET
C2	GENERAL NOTES, LEGEND AND QUANTITIES
C3	TYPICAL SECTION (1 OF 2)
C4	TYPICAL SECTION (2 OF 2)
C5	PLAN AND PROFILE (SHEET 1 OF 4)
C6	PLAN AND PROFILE (SHEET 2 OF 4)
C7	PLAN AND PROFILE (SHEET 3 OF 4)
C8	PLAN AND PROFILE (SHEET 4 OF 4)
C9	CROSS SECTIONS (SHEET 1 OF 2)
C10	CROSS SECTIONS (SHEET 2 OF 2)
C11	DRIVEWAY DETAILS (SHEET 1 OF 2)
C12	DRIVEWAY DETAILS (SHEET 2 OF 2)
C13	DRAINAGE AREA MAP (1 OF 2)
C14	DRAINAGE AREA MAP (2 OF 2)
C15	PROJECT LAYOUT (SHEET 1 OF 4)
C16	PROJECT LAYOUT (SHEET 2 OF 4)
C17	PROJECT LAYOUT (SHEET 3 OF 4)
C18	PROJECT LAYOUT (SHEET 4 OF 4)
C19	EROSION CONTROL (SHEET 1 OF 4)
C20	EROSION CONTROL (SHEET 2 OF 4)
C21	EROSION CONTROL (SHEET 3 OF 4)
C22	EROSION CONTROL (SHEET 4 OF 4)

END PROJECT  
FOREST LN  
STATION 103+43  
NORTHING 169978.19  
EASTING 1175152.49



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**2019-2021  
BOND PROGRAM**

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CIVIL ENGINEERING  
701 WEST MARKHAM STREET  
LITTLE ROCK, ARKANSAS 72201

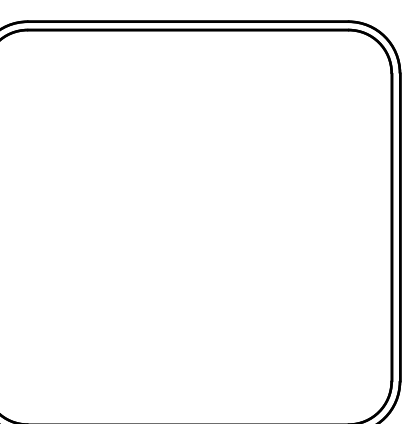


1701 CENTERVIEW DR., SUITE 117  
LITTLE ROCK, AR 72211  
OFFICE: 501-215-5807 FAX: 501-227-8302  
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KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
COVER SHEET  
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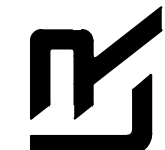
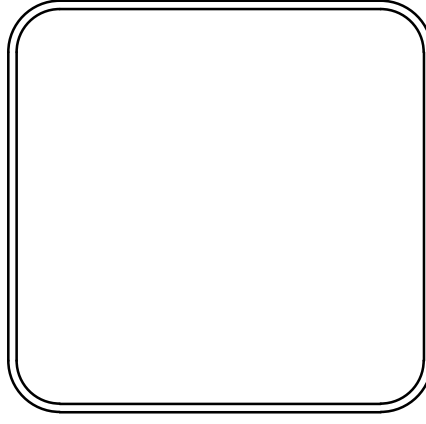


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DESIGNED	BCJ
CHECKED	JEB
DATE	09/17/2019
SCALE	N.T.S
PROJECT NO.	05-17-ST-223B
SHEET NO.	C1

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**CITY OF LITTLE ROCK, ARKANSAS**  
**KATILLUS ROAD AND FOREST LANE IMPROVEMENTS**  
**GENERAL NOTES, LEGEND AND QUANTITIES**  
**60% PRELIMINARY DESIGN**

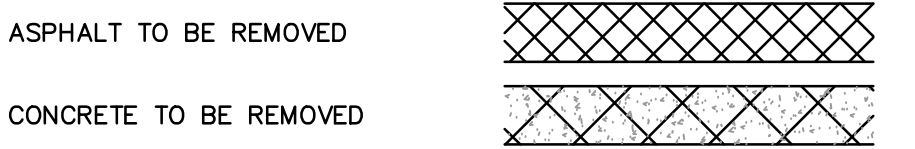
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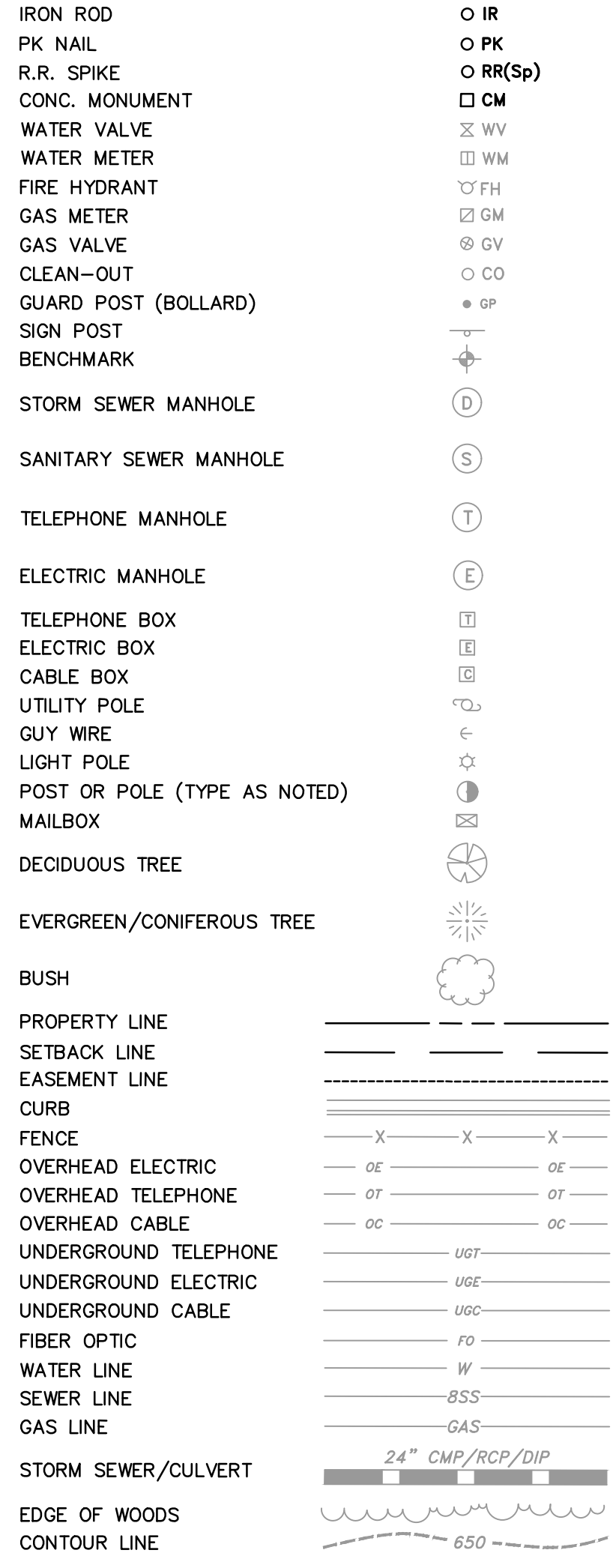
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**DESIGNED**  
**BCJ**  
**CHECKED**  
**JEB**  
**DATE**  
**09/17/2019**  
**SCALE**  
**N.T.S**  
**PROJECT NO.**  
**05-17-ST-223B**  
**SHEET NO.**  
**C2**

<b>CLR PROJECT 05-17-ST-223B</b>			
KATILLUS - FOREST IMPROVEMENTS			
		15-Sep-19	
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION	LS	1
3.01	UNCLASSIFIED EXCAVATION	CY	520
4.01	AGGREGATE BASE COURSE (CLASS 7)	TON	54
5.01	TACK COAT (0.10 GAL/SY)	GAL	31
6.01	ACHM SURFACE COURSE	TON	82
7.04	CONCRETE DRIVE 6"	SF	2007
8.01	CONCRETE CURB & GUTTER (CLASS 3)	LF	594
9.01	CONCRETE SIDEWALK, 4" THICK	SF	830
10.01	JUNCTION BOX	EA	3
10.02	CURB INLET-4' BOX	EA	7
11.06	HEADWALLS	EA	1
13.15	STORM DRAIN PIPE, 15" RCP	LF	17
13.18	STORM DRAIN PIPE, 18" RCP	LF	417
13.24	STORM DRAIN PIPE, 24" RCP	LF	249
13.27	STORM DRAIN PIPE, 27" RCP	LF	197
13.36	STORM DRAIN PIPE, 36" RCP	LF	76
14.01	SOLID SODDING (BERMUDA)	SY	1850
16.01	MAINTENANCE OF TRAFFIC	LS	1
17.01	CUT AND REPAIR EXISTING STREET SURFACE	SY	181
18.50	ACCESS RAMP- TYPE 3	SF	265
19.01	FINAL CLEAN-UP	LS	1
22.01	MAILBOX RELOCATION	EA	6
24.02	CHECK DAM (CD)	CY	15
24.06	SEDIMENT BARRIER, SILT FENCE (SD1)	EA	9
24.09	SEDIMENT BARRIER, BLOCK (SD4)	EA	9
24.18	DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)	AC	1.16
32.18	FLARED END SECTION	EA	1
49.00	TOP SOIL (4" THICK)	CY	205
52.00	PROJECT INFORMATION KIOSK	LS	1

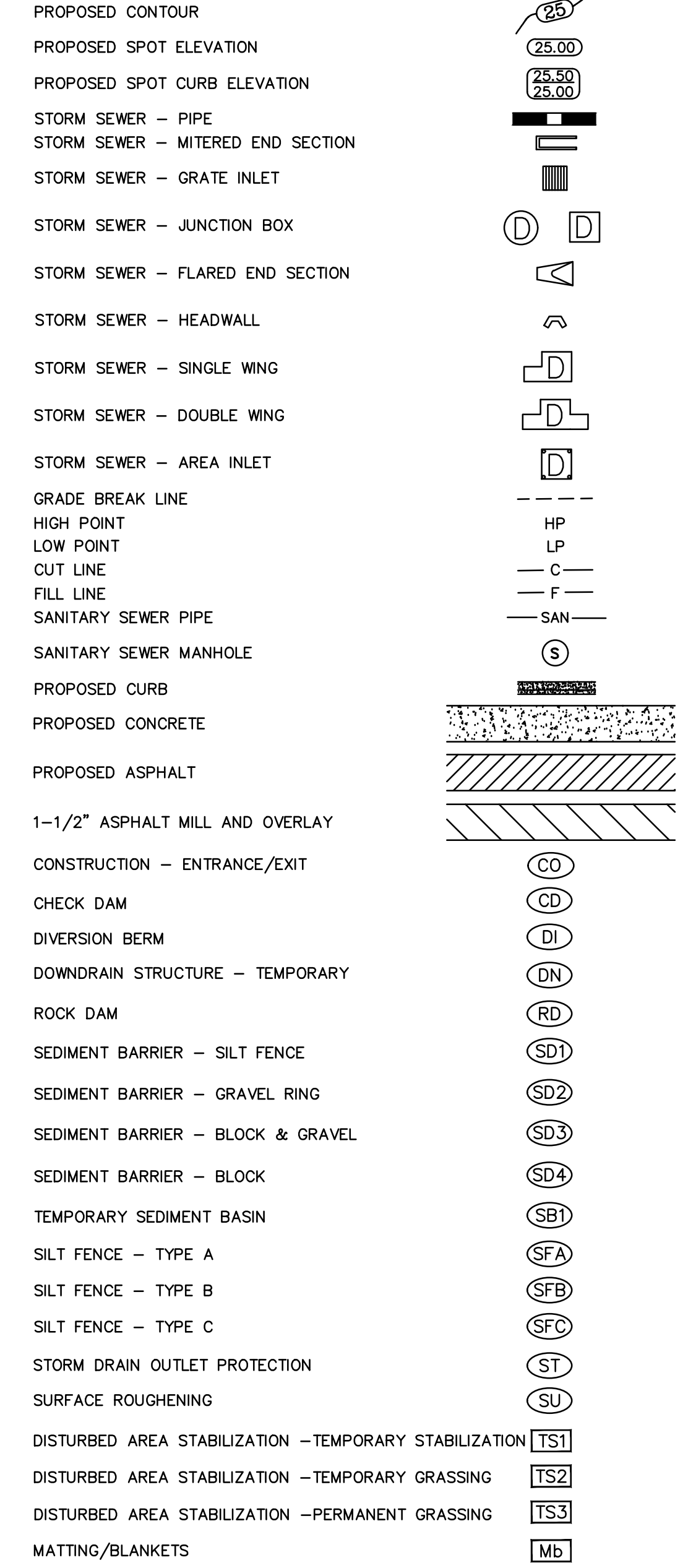
**DEMO**



**EXISTING**



**PROPOSED**



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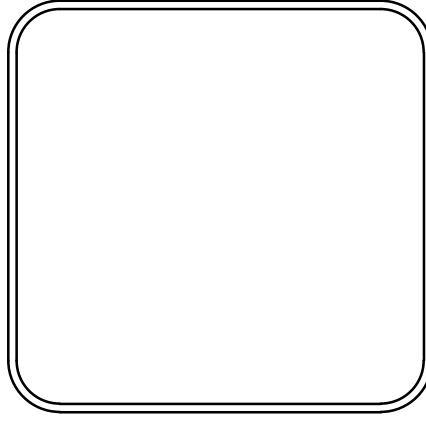
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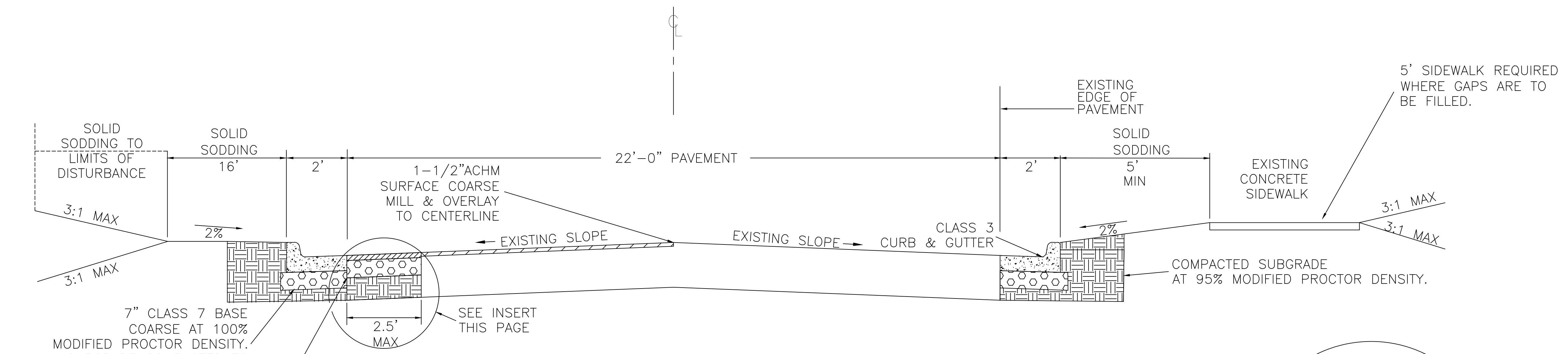
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 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 TYPICAL SECTION (1 OF 2)  
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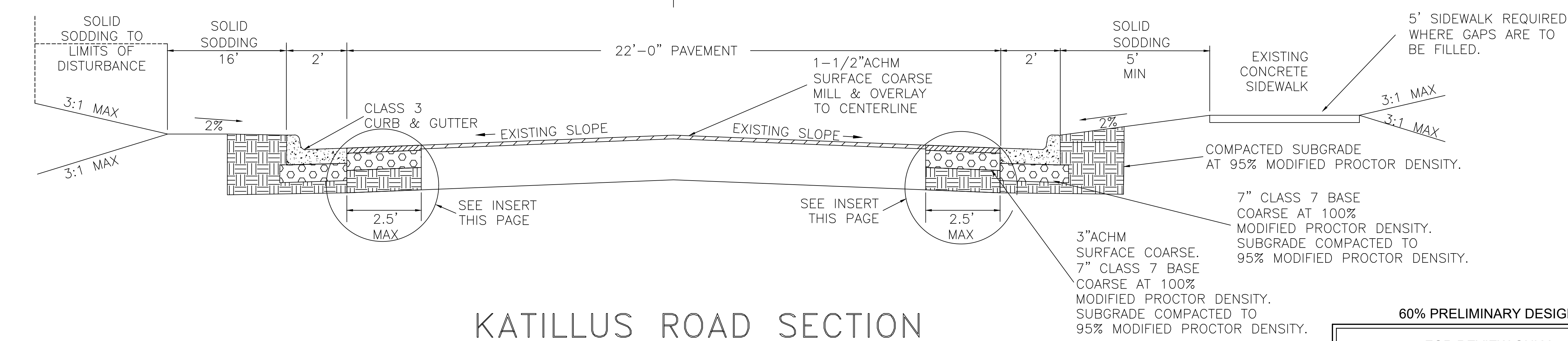
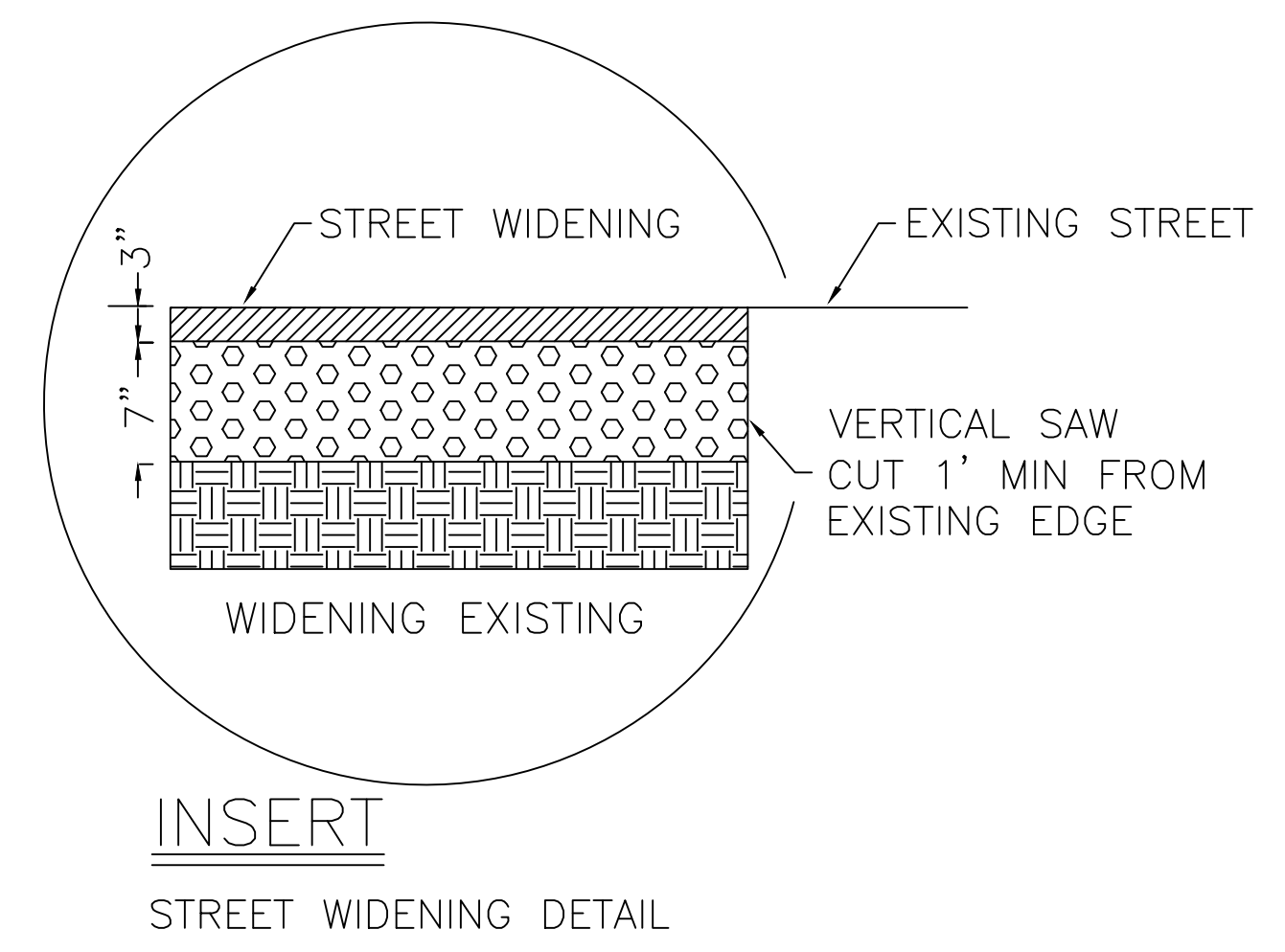
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**09/17/2019**  
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**N.T.S.**  
 PROJECT NO.  
**05-17-ST-223B**  
 SHEET NO.  
**C3**



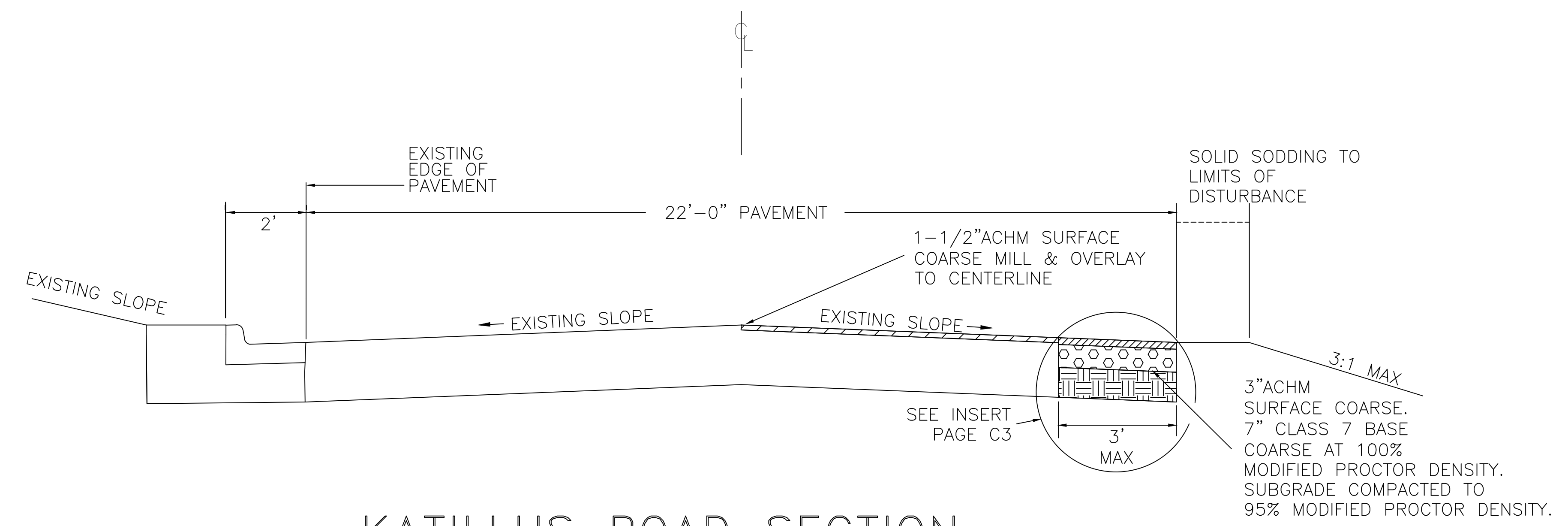
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 STA 21+02.84 TO STA 22+95.04  
 STA 23+39.43 TO STA 23+90.33



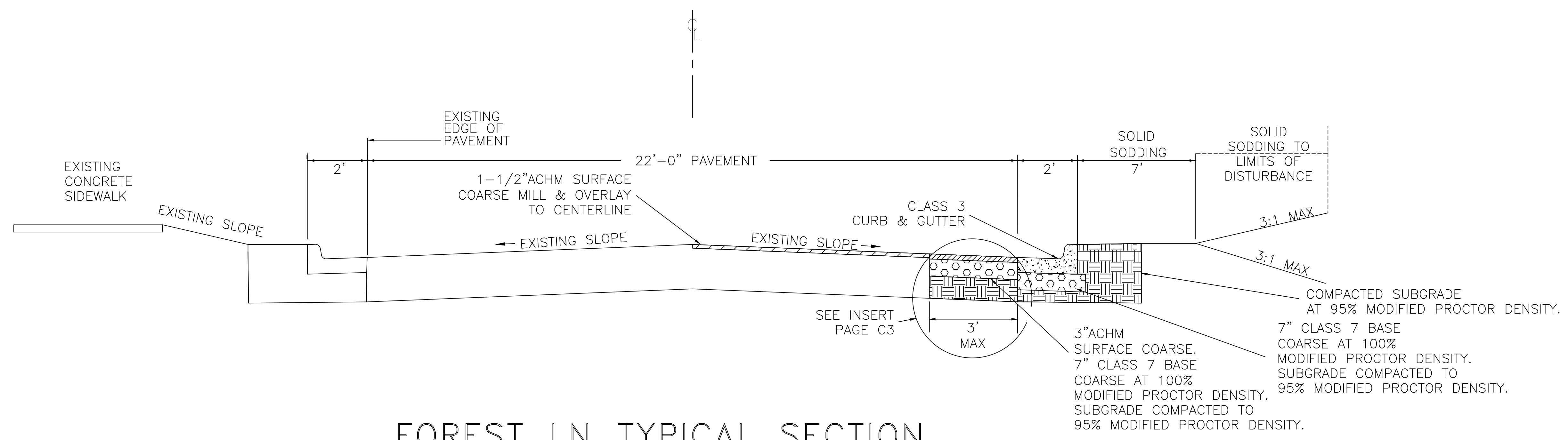
**KATILLUS ROAD SECTION**  
 STA 23+14.80 TO STA 23+39.43

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**KATILLUS ROAD SECTION**  
STA 10+41.74 TO STA 10+65.98



**FOREST LN TYPICAL SECTION**  
STA 101+39.34 TO STA 102+96.52

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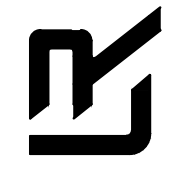
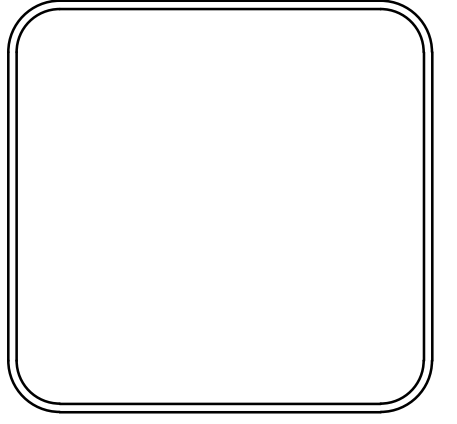
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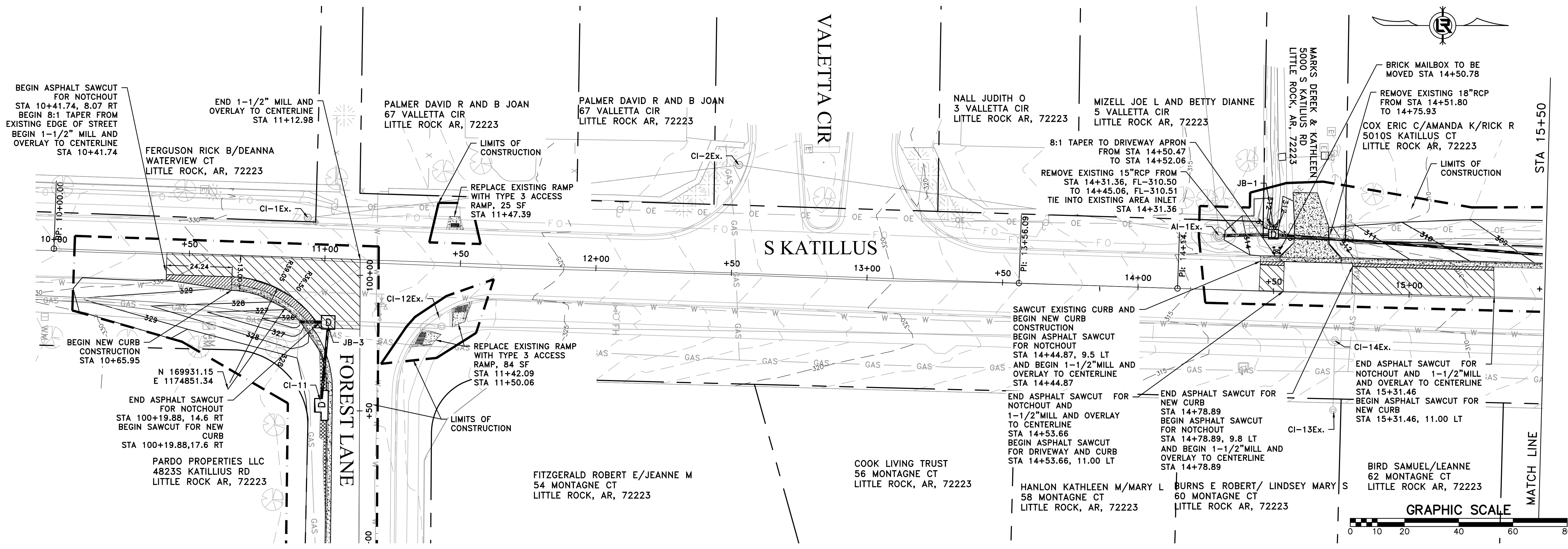
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TYPICAL SECTION (2 OF 2)  
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N.T.S.  
**PROJECT NO.**  
05-17-ST-223B  
**SHEET NO.**  
C4

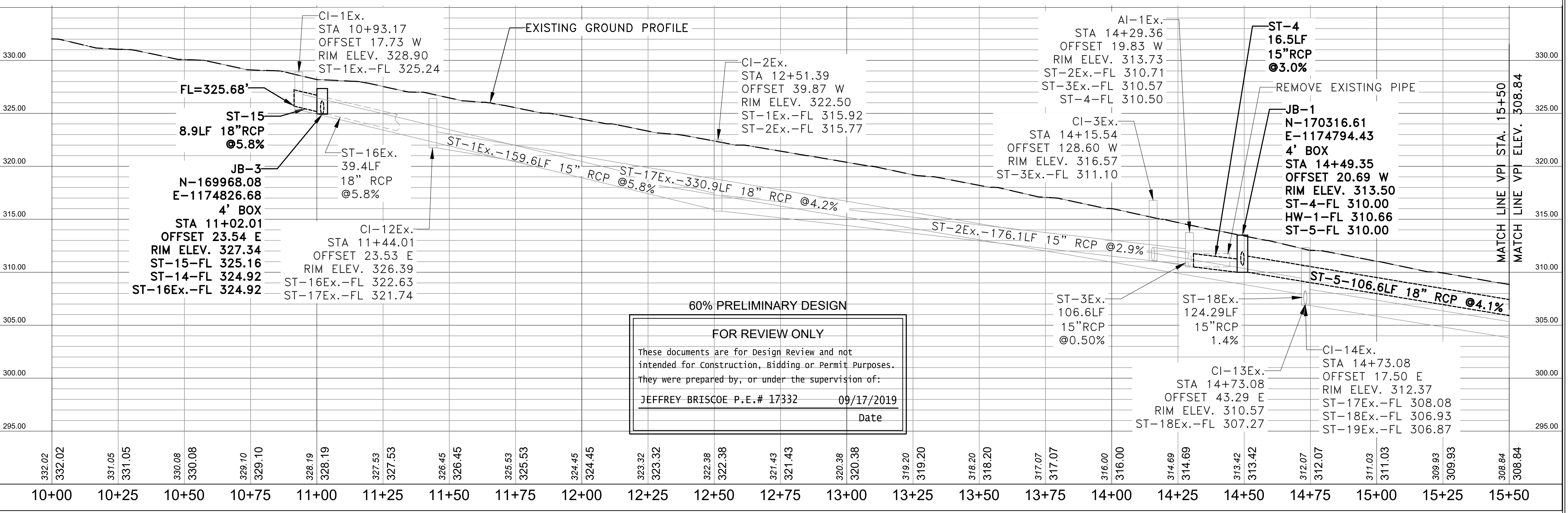
REVISIONS	DATE



**CITY OF LITTLE ROCK, ARKANSAS**

**KATILLUS ROAD AND FOREST LANE IMPROVEMENTS**

PLAN AND PROFILE (SHEET 1 OF 4)  
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1" = 20' H, 1" = 5' V

**PROJECT NO.**  
05-17-ST-223B

**SHEET NO.**  
C5

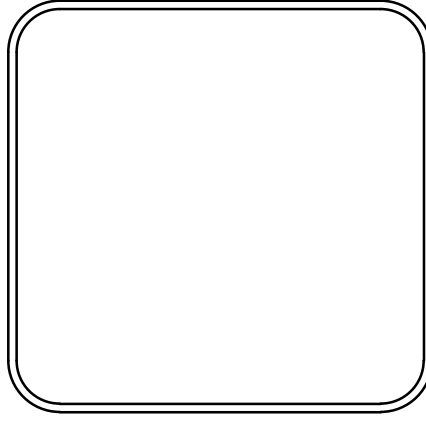
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**

**KATILLUS ROAD AND FOREST LANE IMPROVEMENTS**

PLAN AND PROFILE (SHEET 2 OF 4)  
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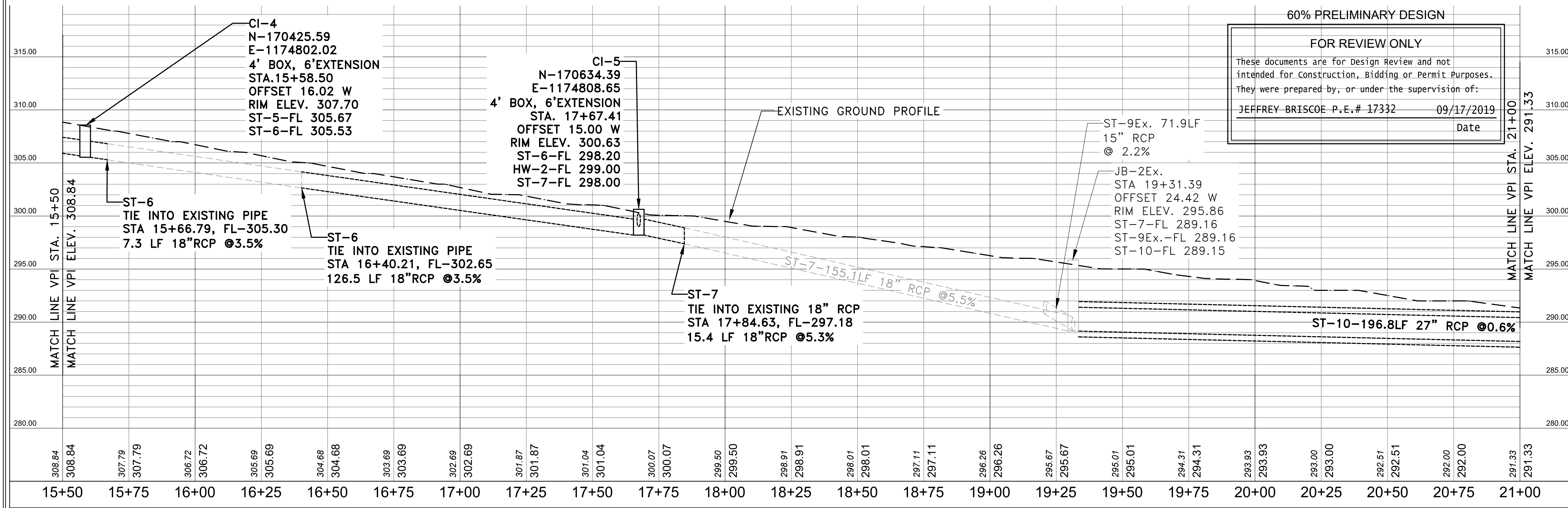
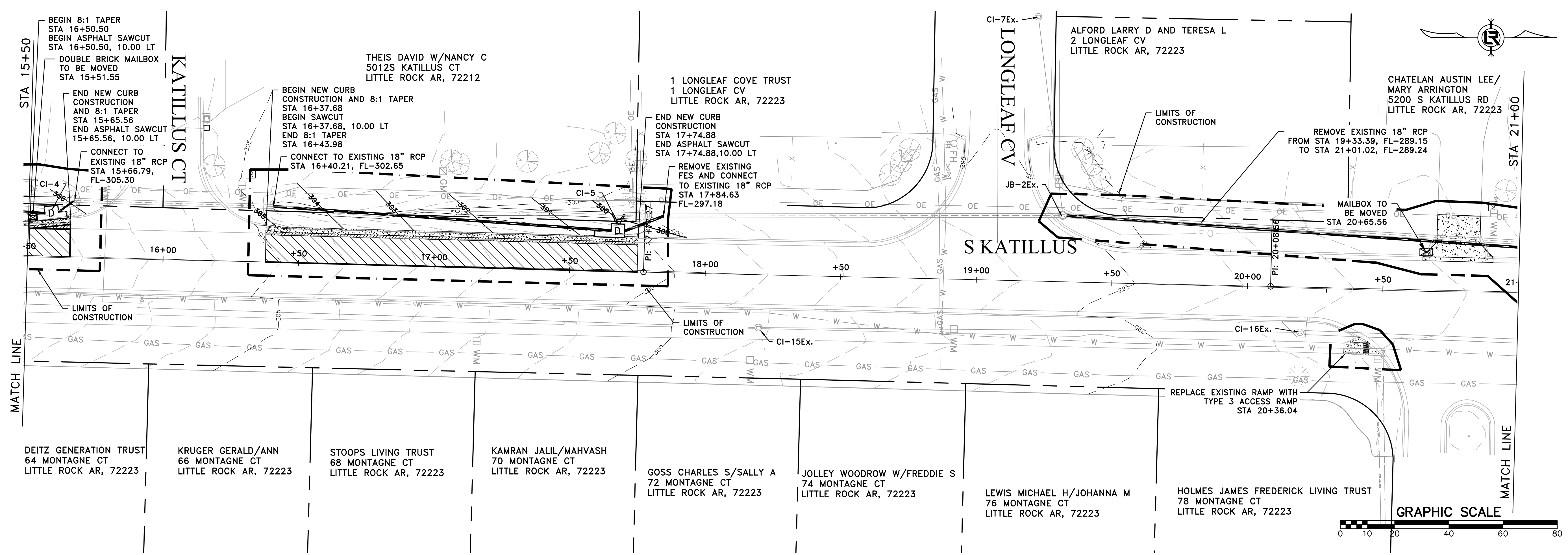
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JEB

**DATE**  
09/17/2019

**SCALE**  
1" = 20' H, 1" = 5' V

**PROJECT NO.**  
05-17-ST-223B

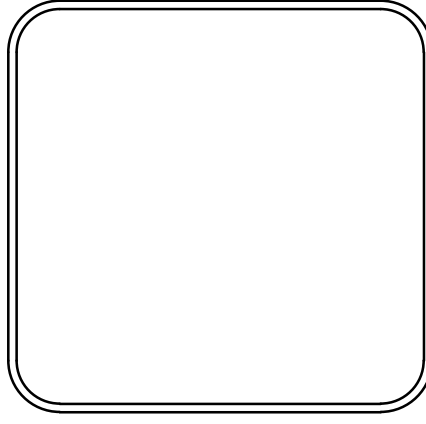
**SHEET NO.**  
C6



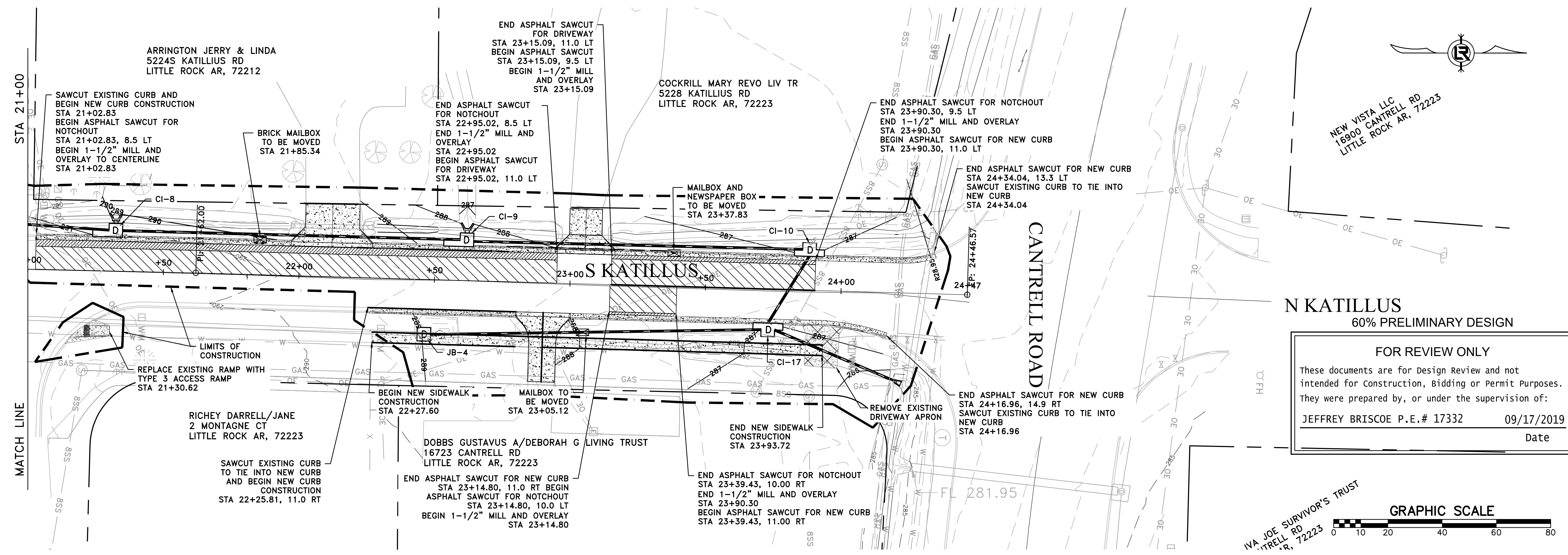
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
**KATILLUS ROAD AND FOREST LANE IMPROVEMENTS**  
 PLAN AND PROFILE (SHEET 3 OF 4)  
 60% PRELIMINARY DESIGN

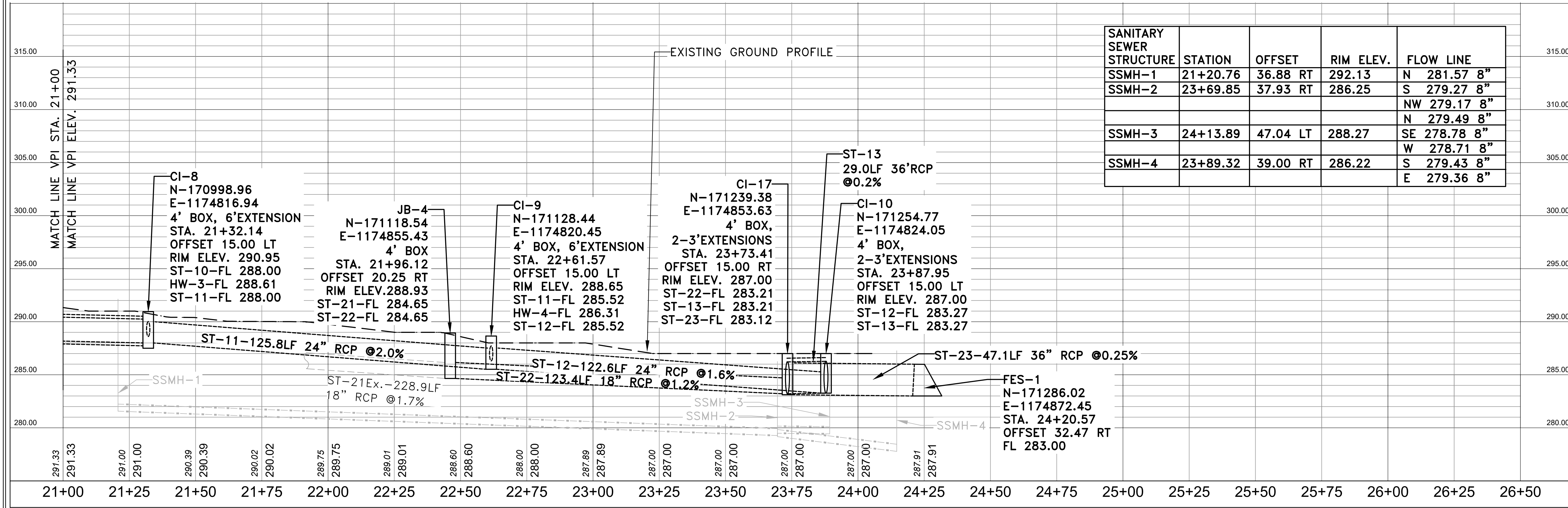
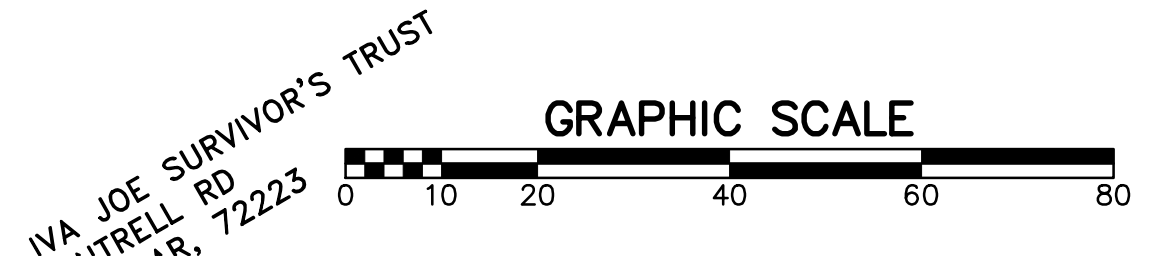
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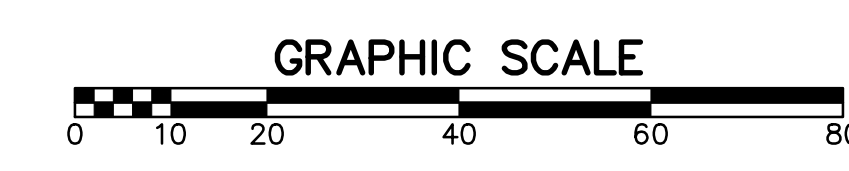
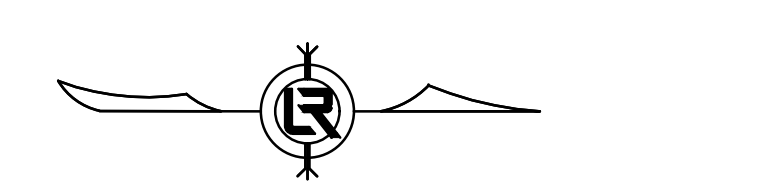
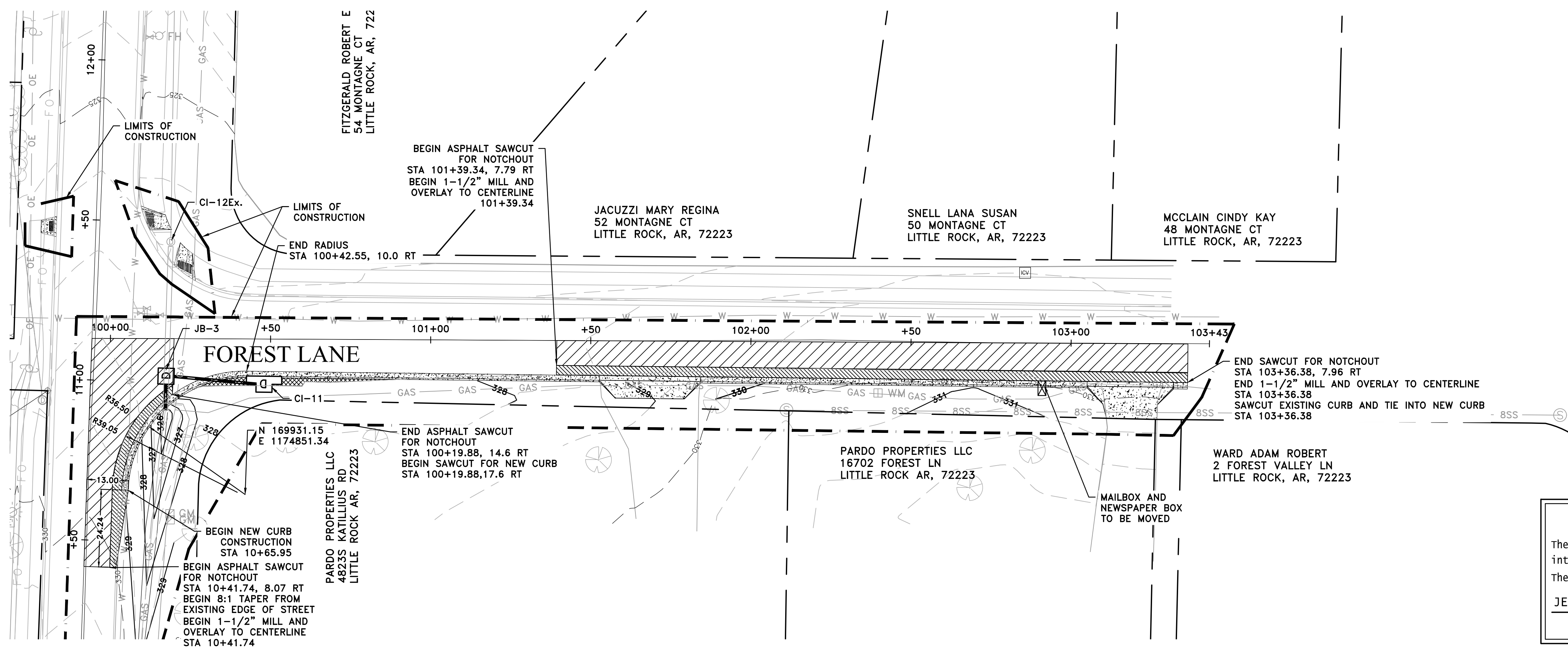
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 DATE  
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 SCALE  
 1" = 20' H, 1" = 5' V  
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 05-17-ST-223B  
 SHEET NO.  
**C7**



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SANITARY SEWER STRUCTURE	STATION	OFFSET	RIM ELEV.	FLOW LINE
SSMH-1	21+20.76	36.88 RT	292.13	N 281.57 8"
SSMH-2	23+69.85	37.93 RT	286.25	S 279.27 8"
				NW 279.17 8"
				N 279.49 8"
SSMH-3	24+13.89	47.04 LT	288.27	SE 278.78 8"
				W 278.71 8"
SSMH-4	23+89.32	39.00 RT	286.22	S 279.43 8"
				E 279.36 8"

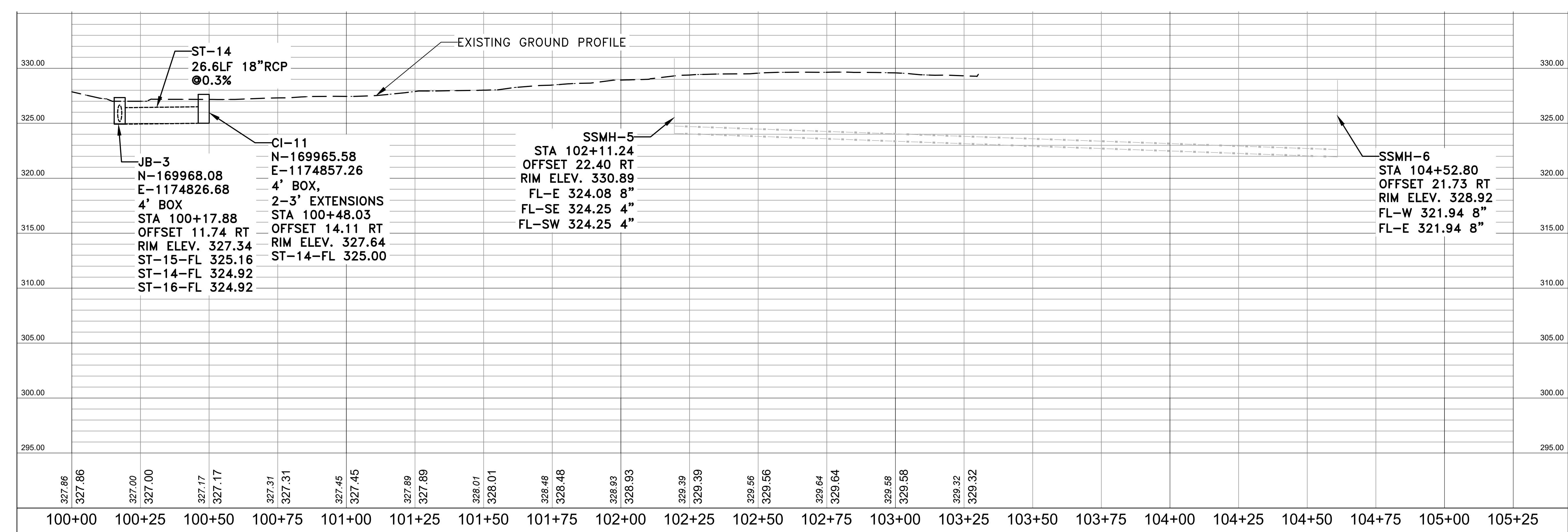


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**KATILLUS ROAD AND FOREST LANE IMPROVEMENTS**

**PLAN AND PROFILE (SHEET 4 OF 4)**

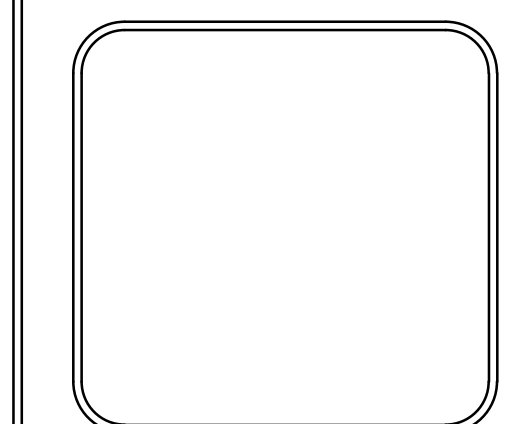
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**DATE**  
09/17/2019

**SCALE**  
1" = 20' H, 1" = 5' V

**PROJECT NO.**  
05-17-ST-223B

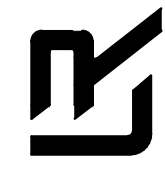
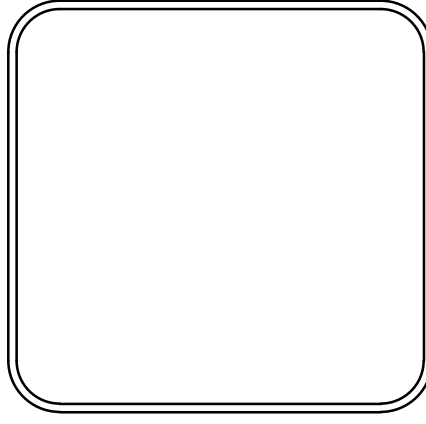
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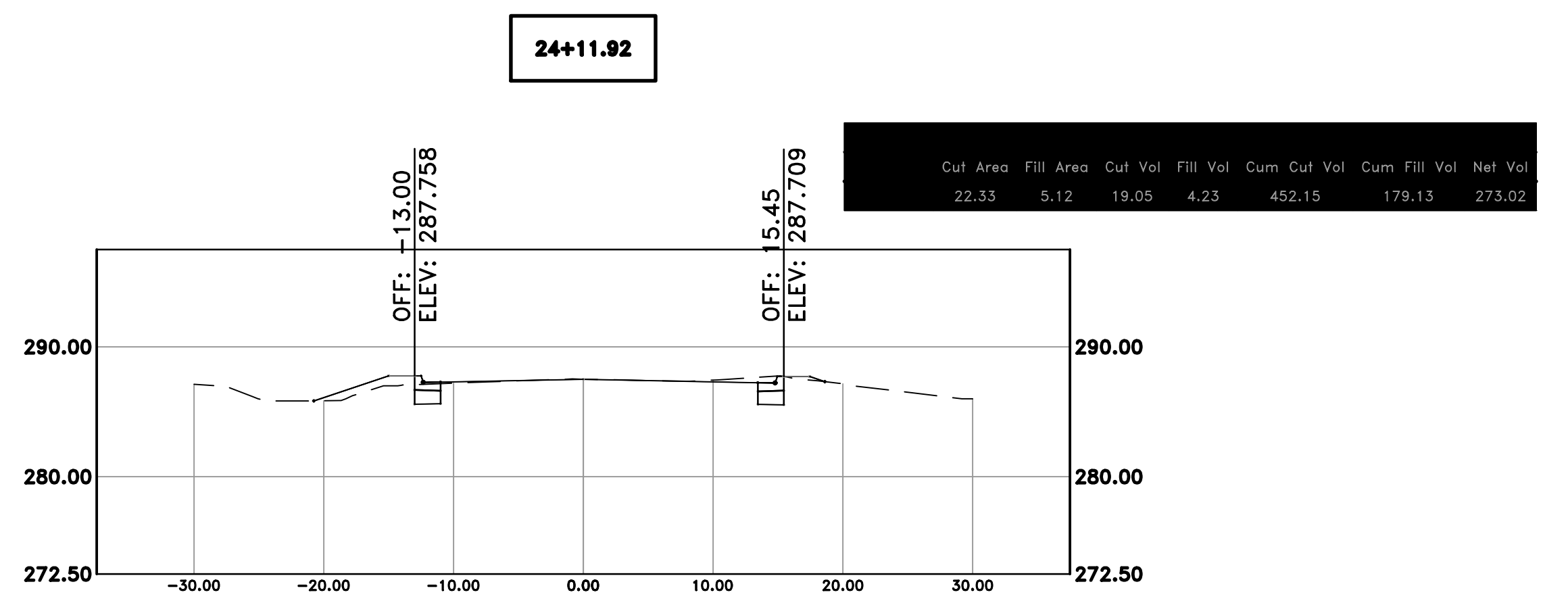
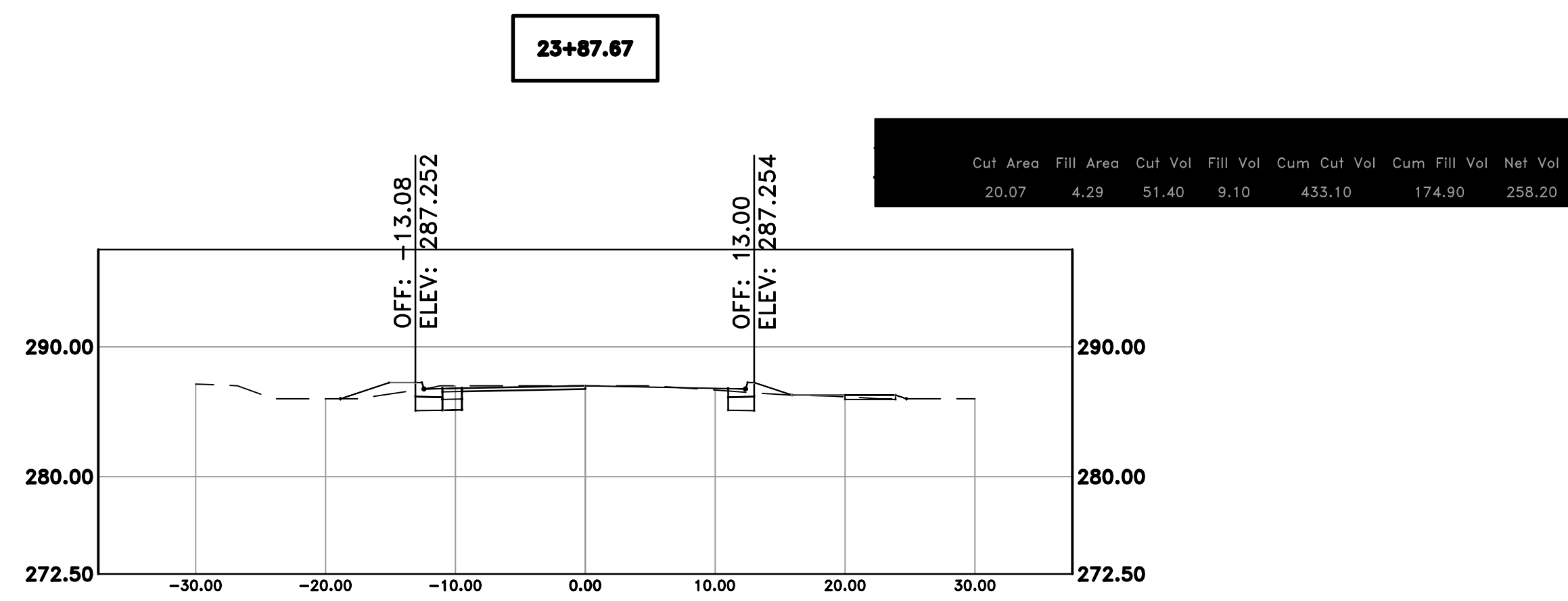
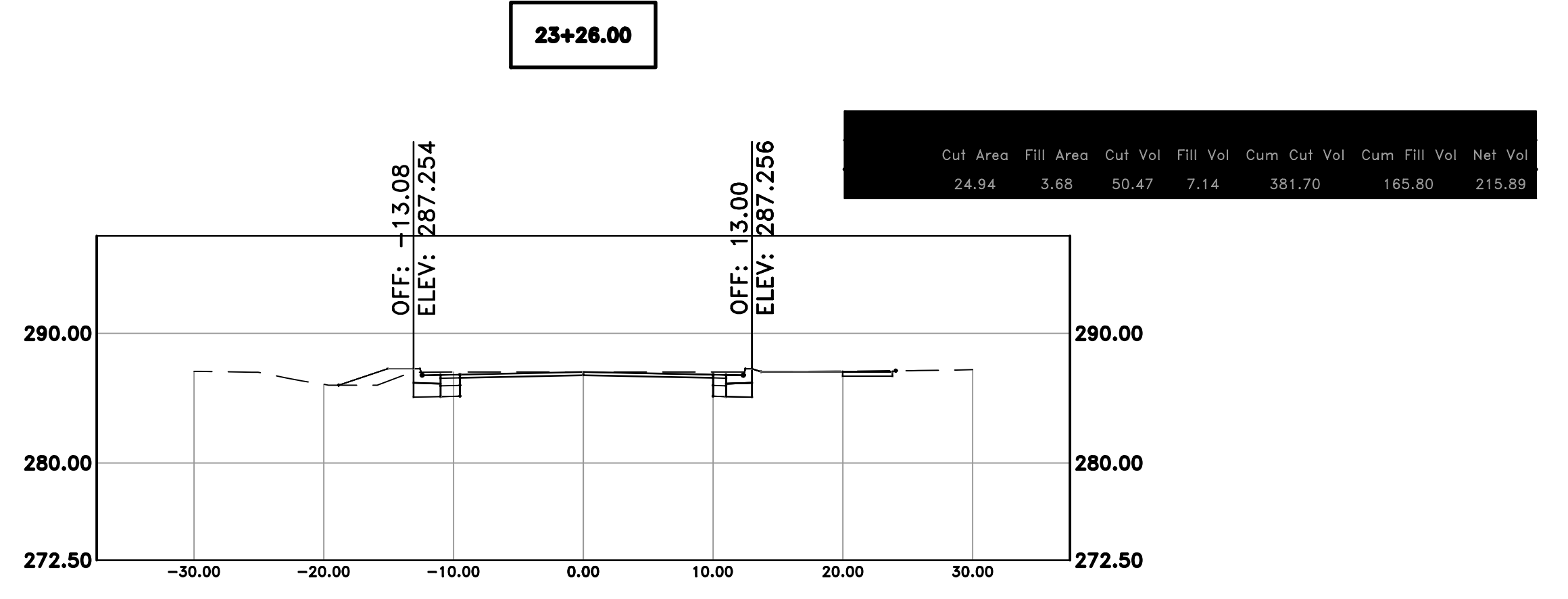
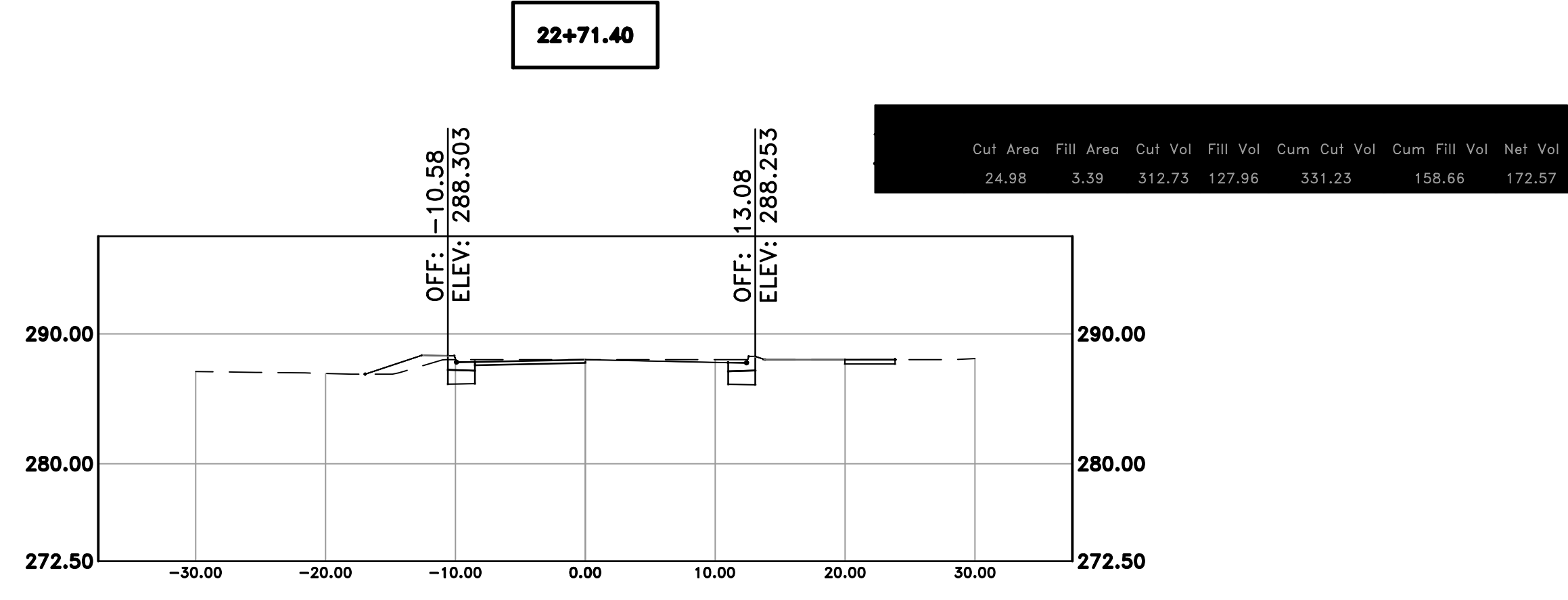
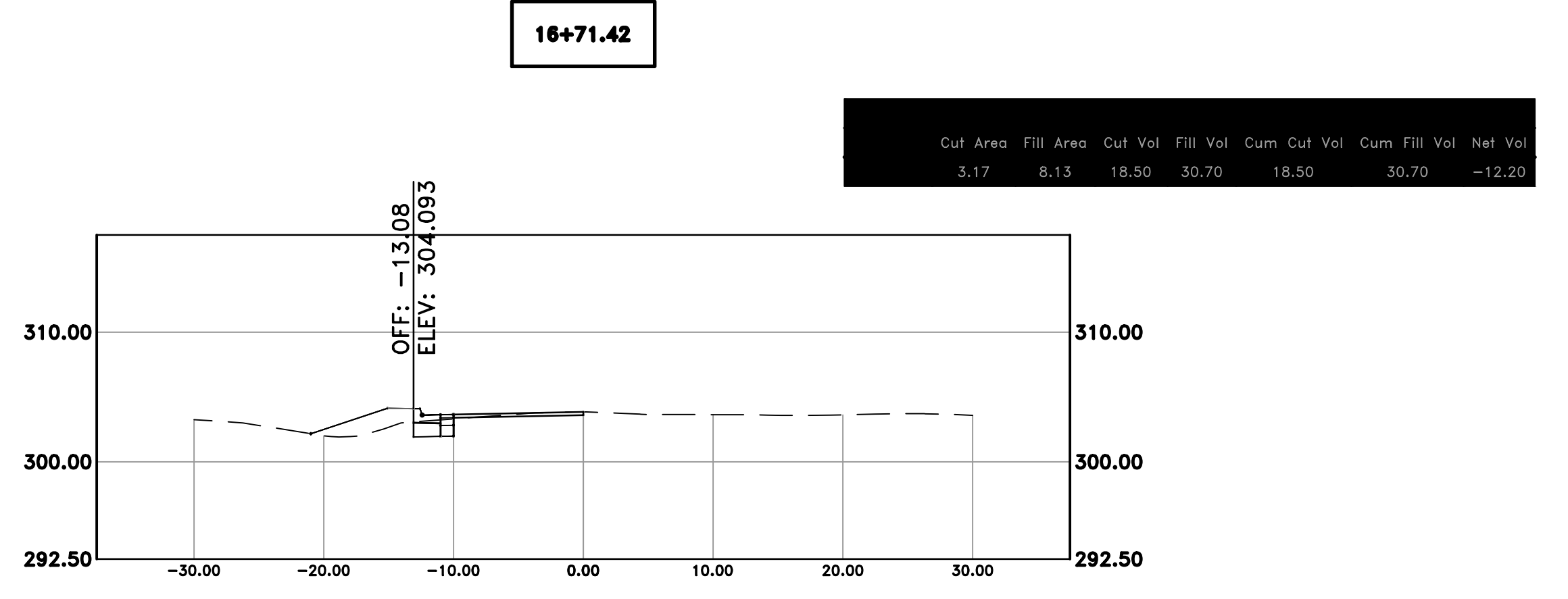
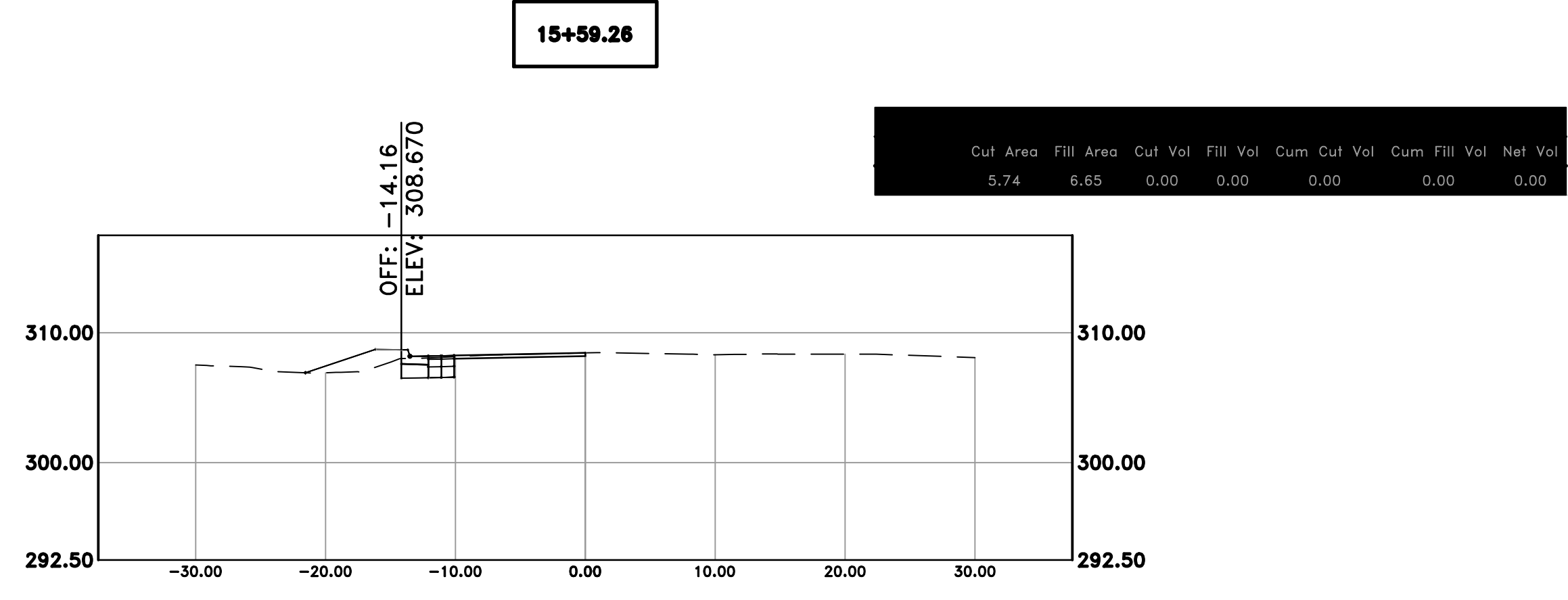
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**KATILLUS ROAD AND FOREST LANE IMPROVEMENTS**  
 CROSS SECTIONS (SHEET 1 OF 2)  
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<b>DRAWN BY</b> KWS
<b>DESIGNED</b> BCJ
<b>CHECKED</b> JEB
<b>DATE</b> 09/17/2019
<b>SCALE</b> 1" = 10'
<b>PROJECT NO.</b> 05-17-ST-223B
<b>SHEET NO.</b> C9



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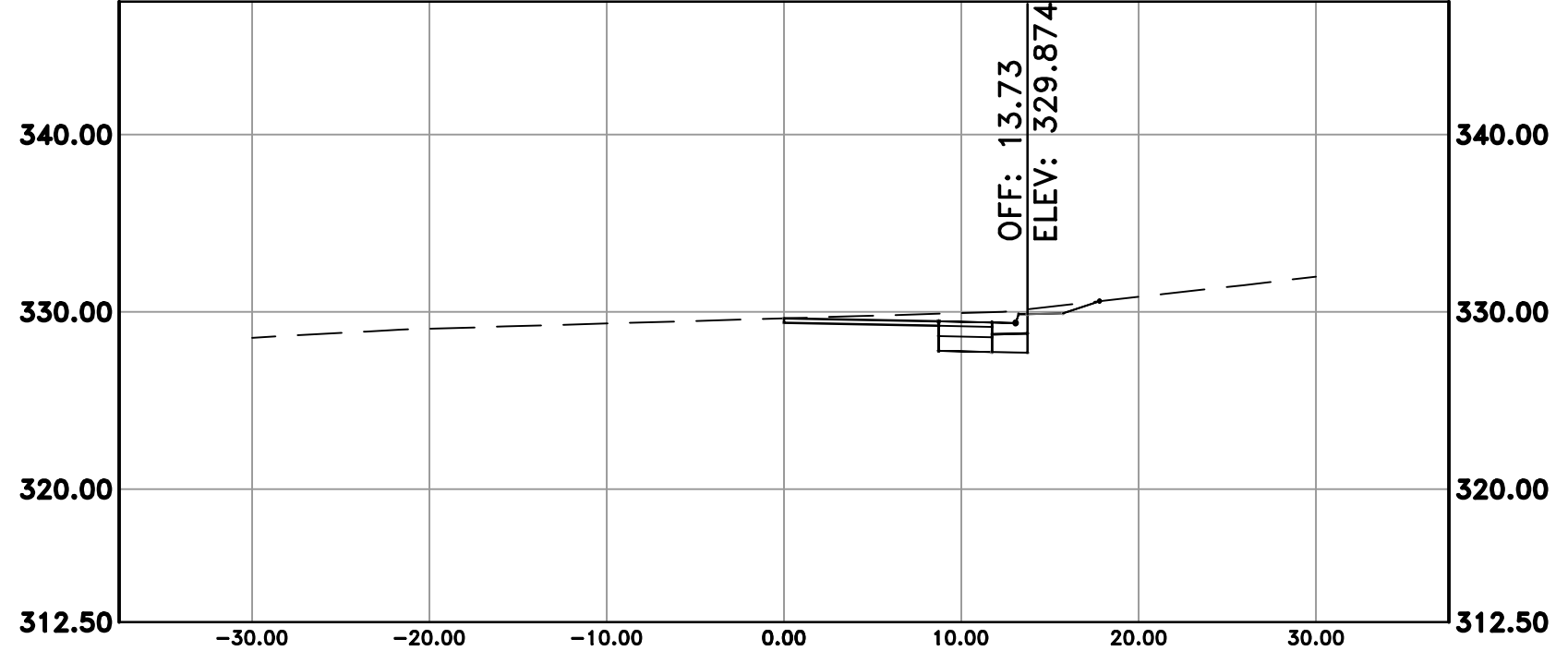
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REVISIONS	DATE

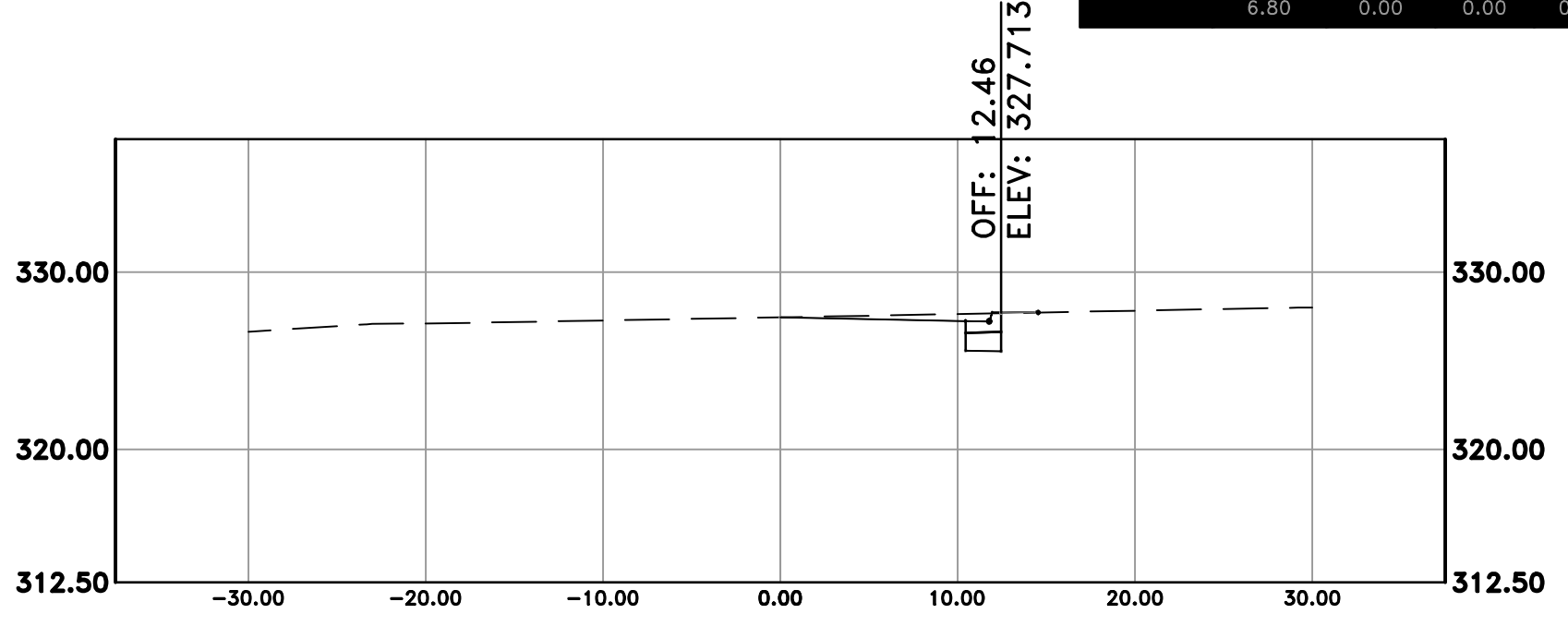
**102+73.59**

Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
14.59	0.00	67.17	0.01	67.17	0.01	67.16



**101+03.98**

Cut Area	Fill Area	Cut Vol	Fill Vol	Cum Cut Vol	Cum Fill Vol	Net Vol
6.80	0.00	0.00	0.00	0.00	0.00	0.00

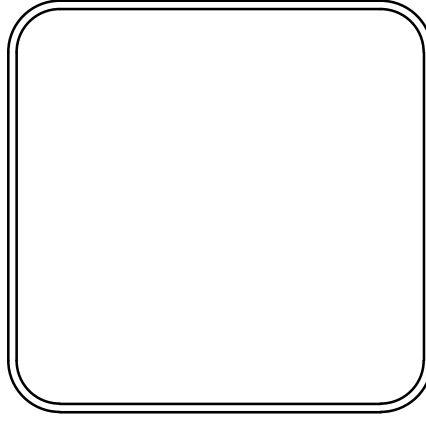
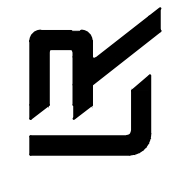


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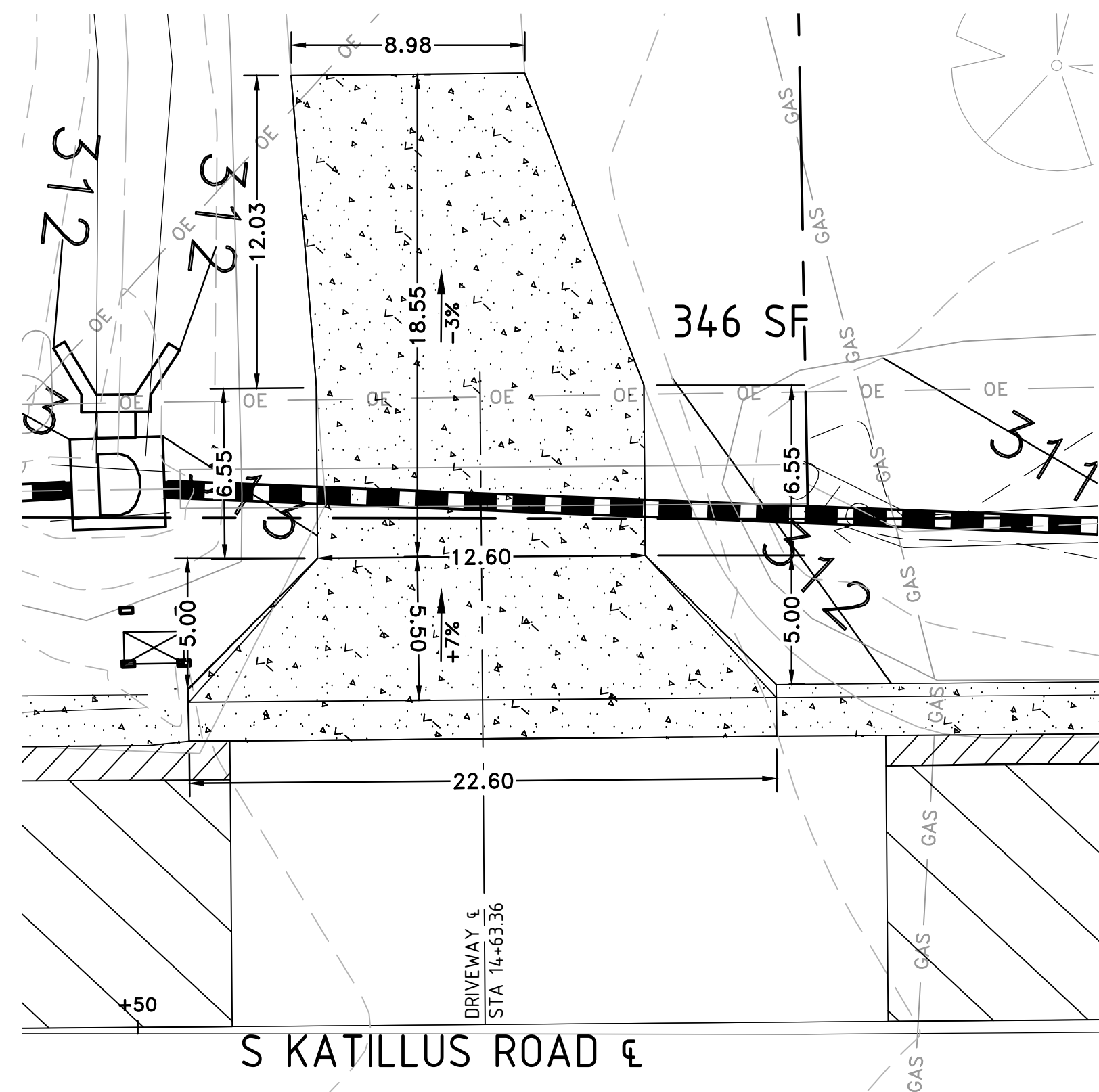
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 CROSS SECTIONS (SHEET 2 OF 2)  
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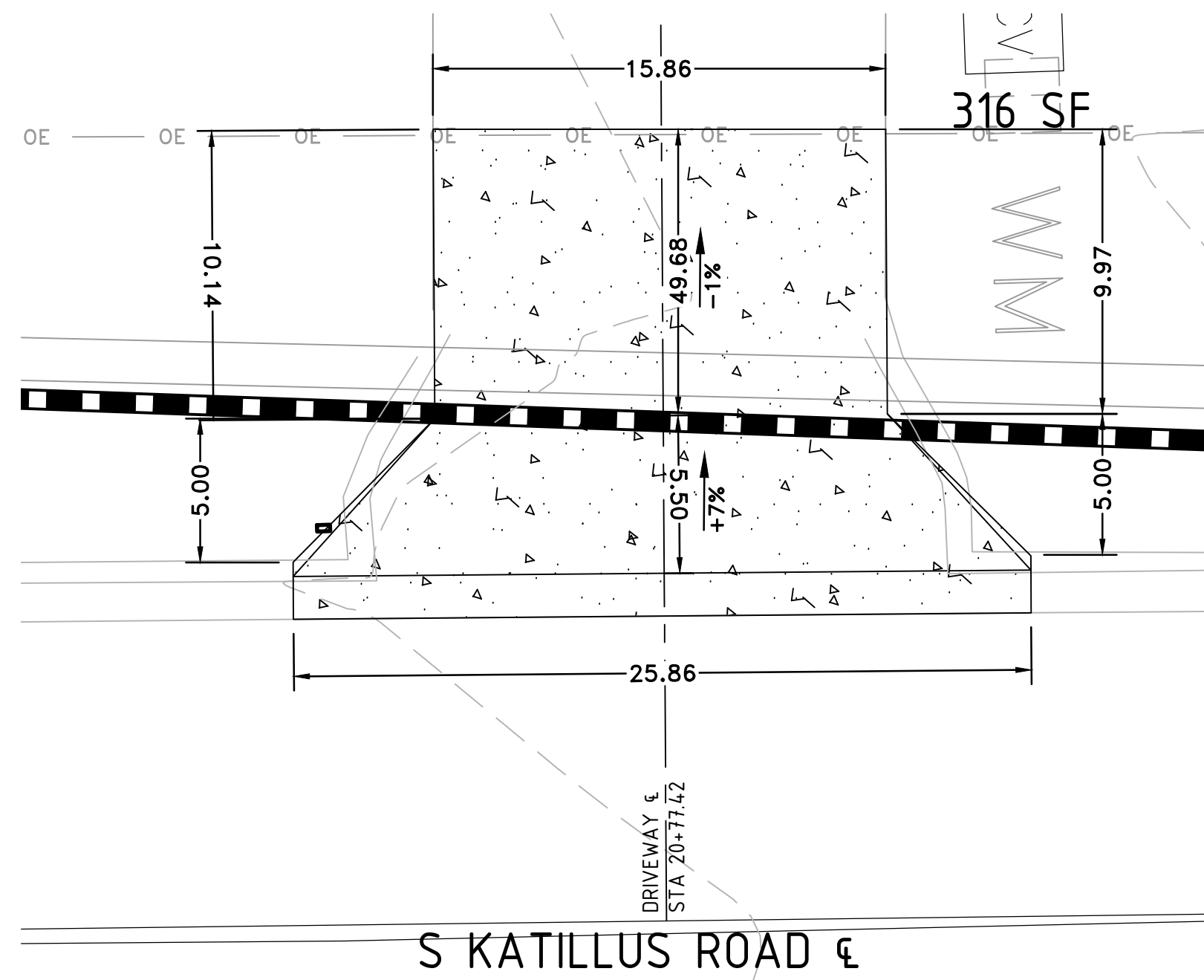
DEPARTMENT OF PUBLIC WORKS  
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 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201



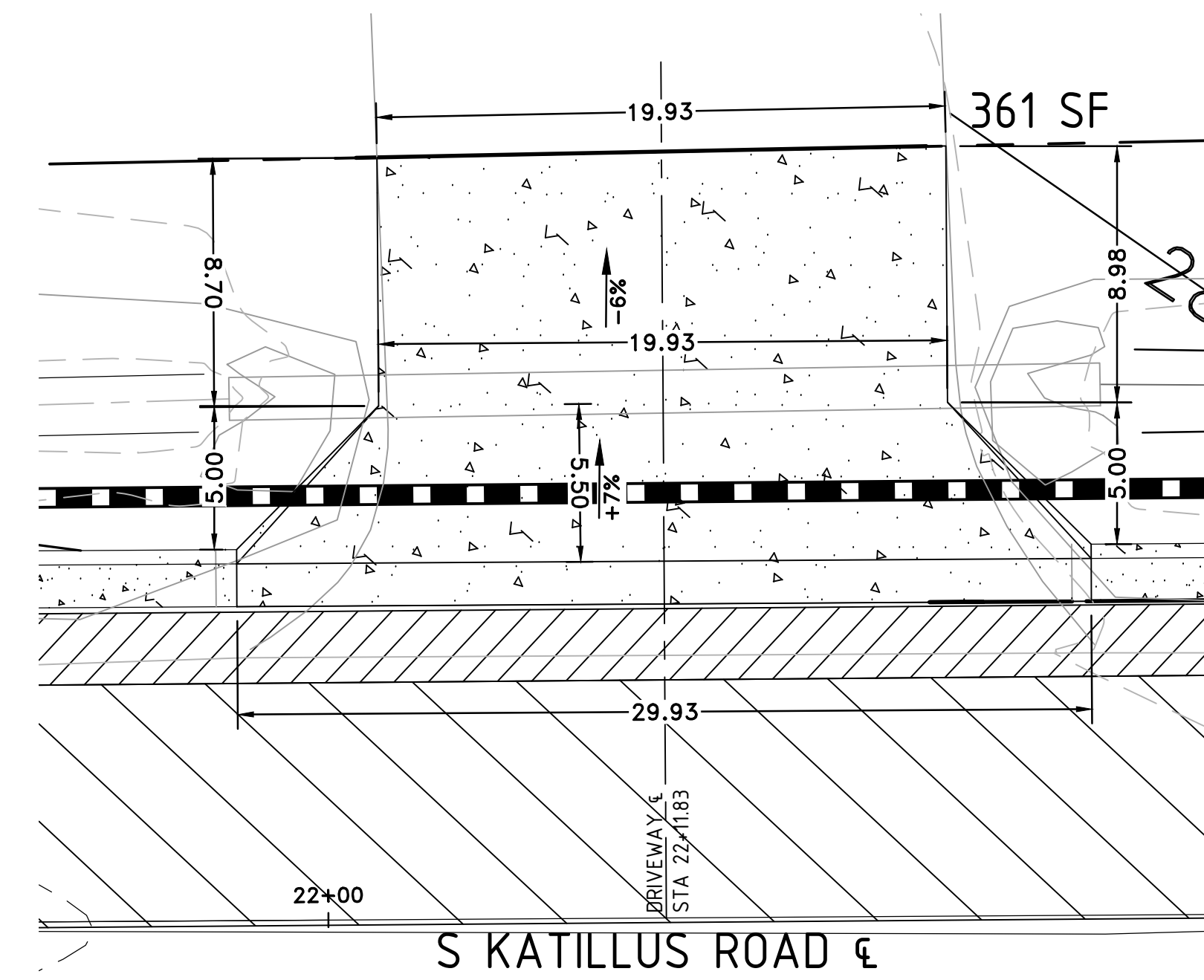
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<b>DESIGNED</b> BCJ
<b>CHECKED</b> JEB
<b>DATE</b> 09/17/2019
<b>SCALE</b> 1"=10'
<b>PROJECT NO.</b> 05-17-ST-223B
<b>SHEET NO.</b> C10



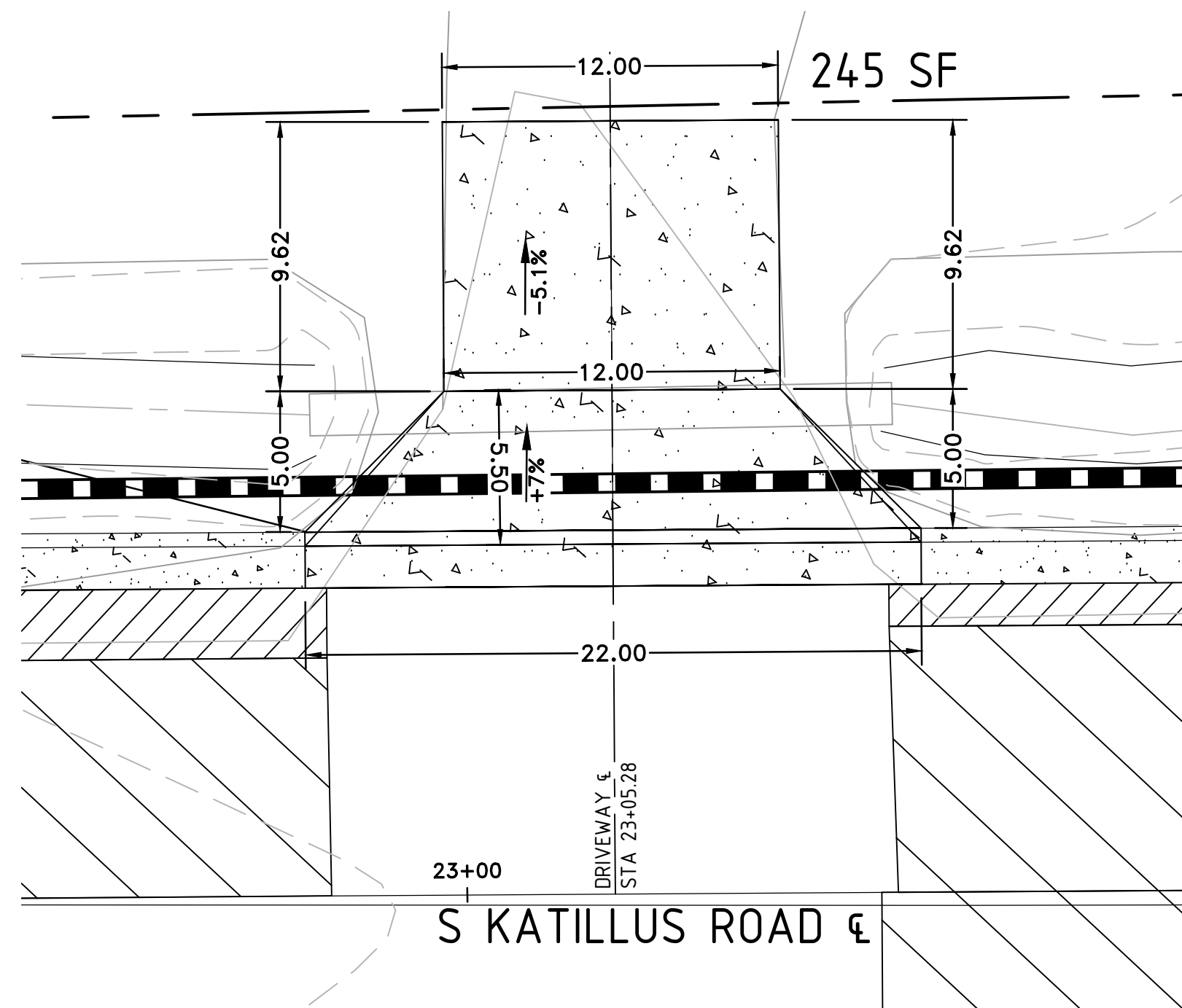
5000 S KATILLUS ROAD  
STA 14+63.36



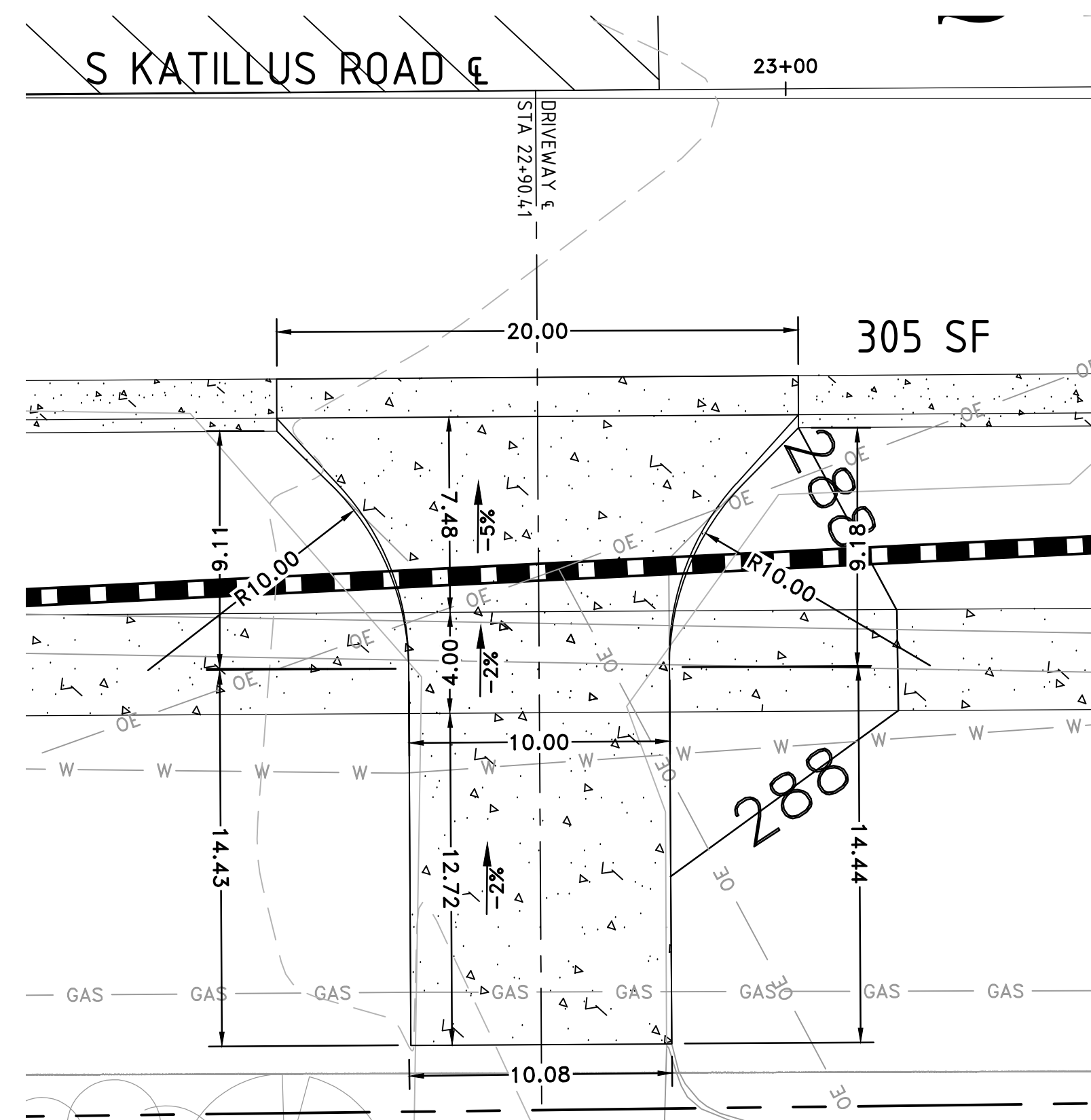
5200 S KATILLUS ROAD  
STA 20+77.42



5224 S KATILLUS ROAD  
STA 22+11.83

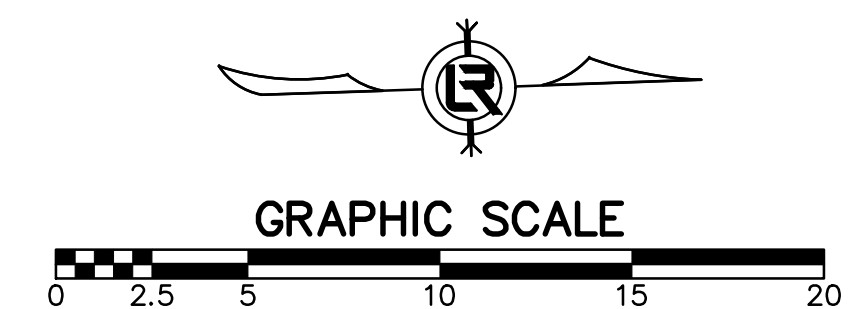


5228 S KATILLUS ROAD  
STA 23+05.28



16723 CANTRELL ROAD  
STA 22+90.41

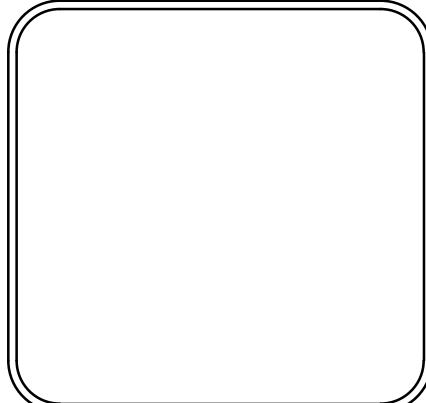
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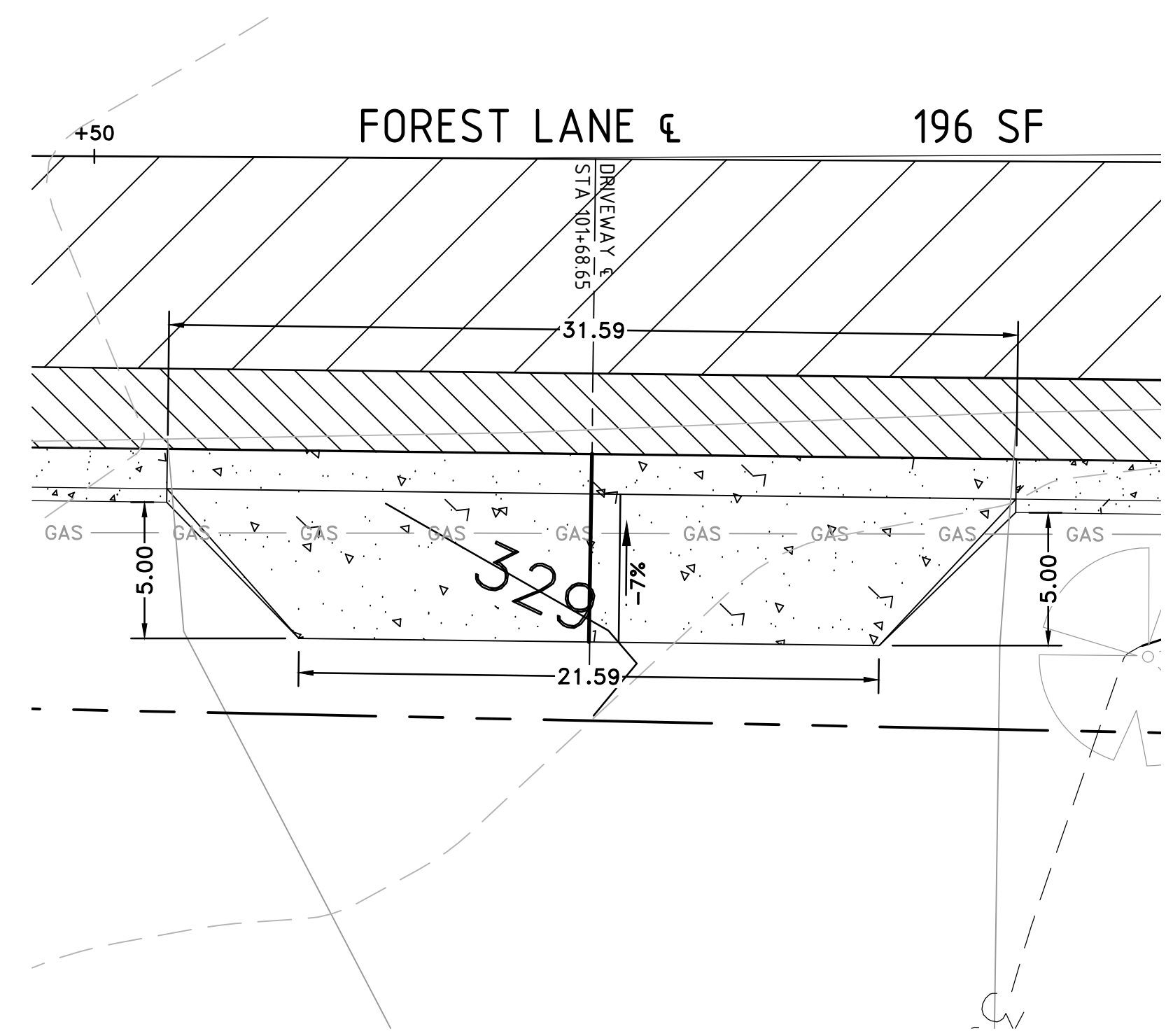
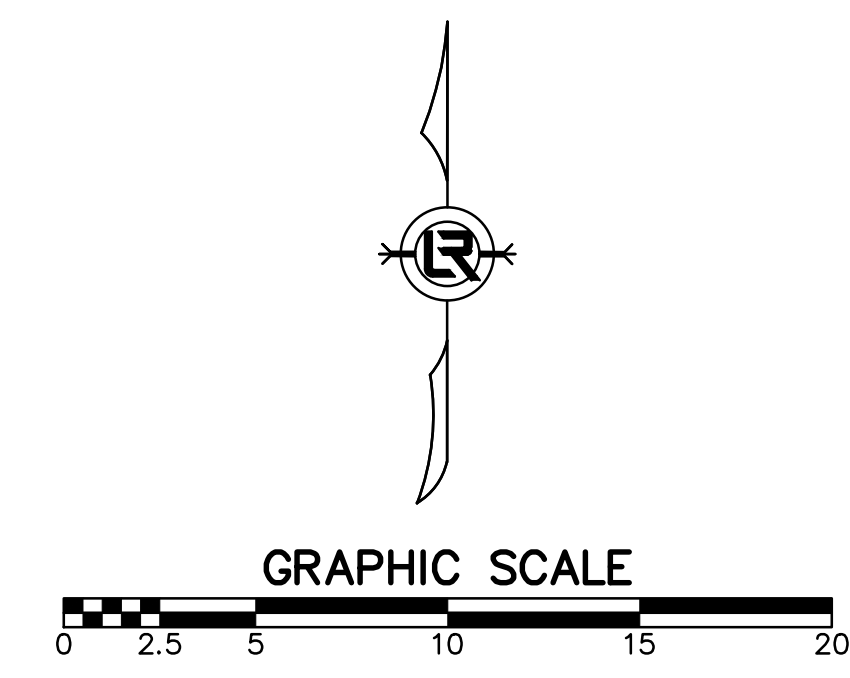
CITY OF LITTLE ROCK, ARKANSAS  
KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
DRIVEWAY DETAILS (SHEET 1 OF 2)  
60% PRELIMINARY DESIGN

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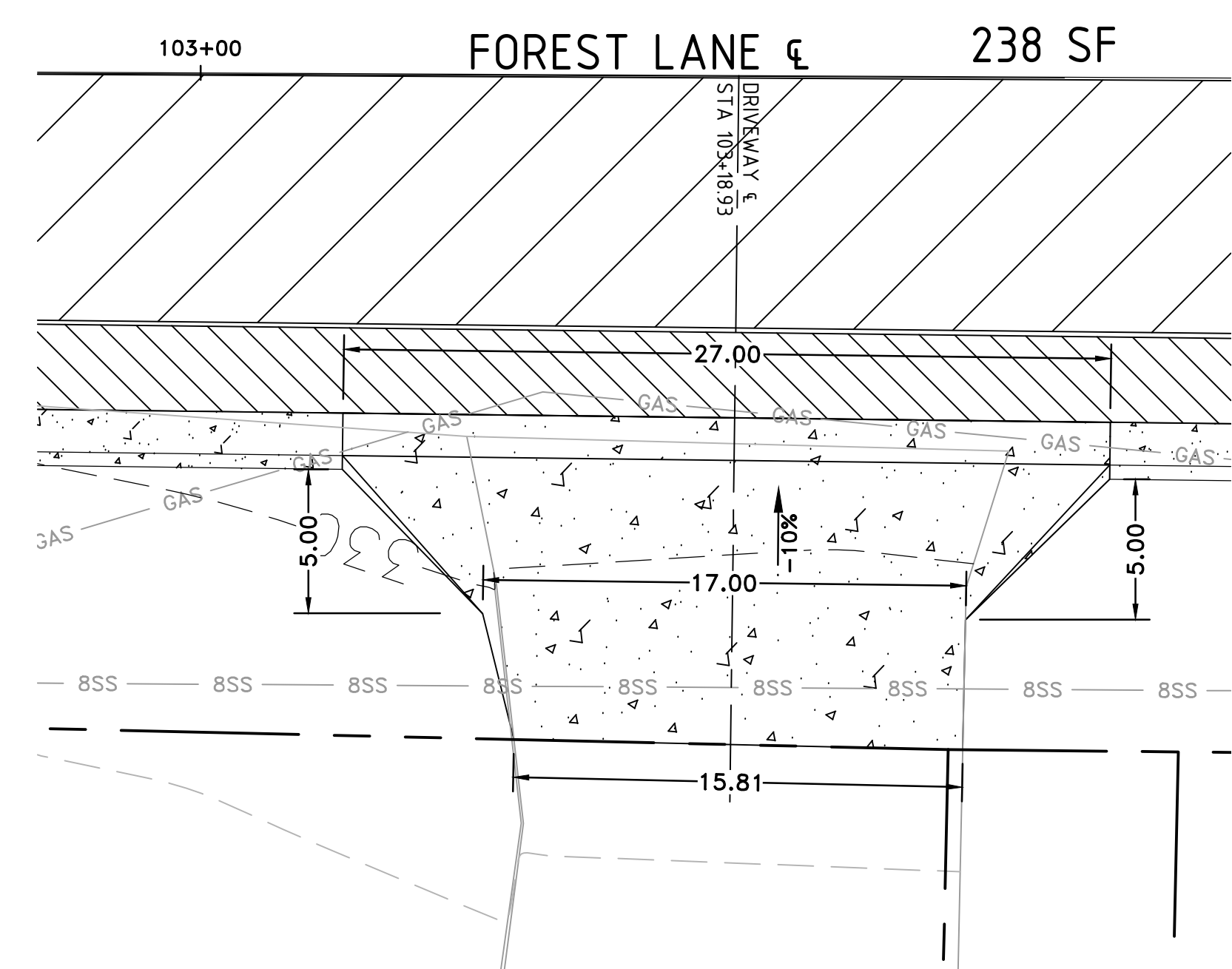


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KWS  
DESIGNED  
BCJ  
CHECKED  
JEB  
DATE  
09/17/2019  
SCALE  
1" = 5'  
PROJECT NO.  
05-17-ST-223B  
SHEET NO.  
C11

REVISIONS	DATE



4823 S KATILLUS ROAD  
STA 101+68.65



16702 FOREST LANE  
STA 103+18.93

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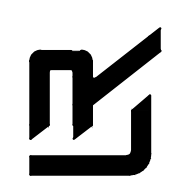
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CITY OF LITTLE ROCK, ARKANSAS  
KATILLUS ROAD AND FOREST LANE IMPROVEMENTS

DRIVEWAY DETAILS (SHEET 2 OF 2)  
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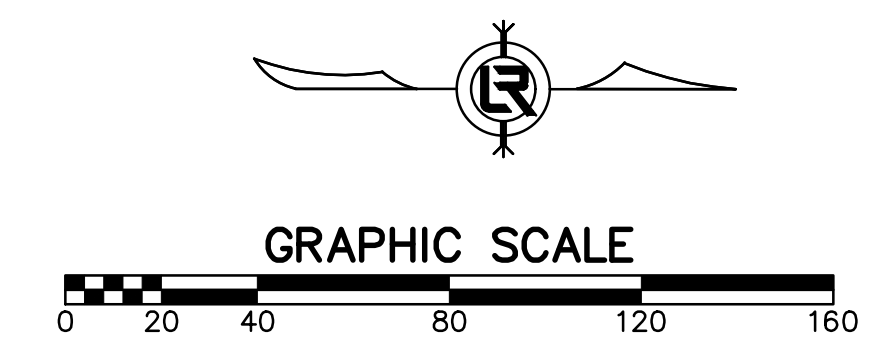
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09/17/2019  
SCALE  
1" = 5'

PROJECT NO.  
05-17-ST-223B

SHEET NO.  
C12

REVISIONS	DATE

25 YEAR, 50 YEAR, AND 100 YEAR HYDROLOGY COMPUTATIONS



DRAINAGE AREA COMPUTATIONS									
DESIGN POINT ID	RUNOFF COEF. "C"	AREA "A" (ACRES)	TIME OF CONC (min)	INTENSITY I <sub>25</sub> (in/hr)	DISCHARGE Q <sub>25</sub> (cfs)	INTENSITY I <sub>50</sub> (in/hr)	DISCHARGE Q <sub>50</sub> (cfs)	INTENSITY I <sub>100</sub> (in/hr)	DISCHARGE Q <sub>100</sub> (cfs)
A-1	0.95	0.44	2.75	8.25	3.5	9.00	3.8	10.00	4.2
A-2	0.95	0.12	0.80	8.25	1.1	9.00	1.2	10.00	1.3
A-3	0.70	0.91	17.10	5.50	2.9	6.50	3.4	7.00	3.7
A-4	0.35	0.04	12.00	6.50	0.1	7.50	0.1	8.00	0.1
A-5	0.35	0.60	13.30	6.50	1.3	7.50	1.5	8.00	1.6
A-6	0.70	1.14	16.50	5.75	3.9	6.50	4.4	7.00	4.6
A-7	0.70	0.79	16.90	5.75	3.2	6.50	3.6	7.00	3.9
A-8	0.35	2.08	23.50	5.00	2.3	5.50	2.6	6.25	2.9
A-9	0.95	0.24	2.40	8.25	1.2	9.00	1.3	10.00	1.4
A-10	0.35	0.84	18.40	5.50	1.6	6.00	1.8	6.50	1.9
A-11	0.35	1.07	19.00	5.50	2.1	6.00	2.3	6.50	2.4
A-12	0.25	0.47	21.70	5.25	0.6	5.75	0.7	6.25	0.7
B-1	0.70	0.21	11.90	6.50	1.0	7.00	1.0	8.00	1.2
B-2	0.95	0.30	2.75	8.25	2.4	9.00	2.6	10.00	2.9
B-3	0.95	0.25	8.10	7.25	1.7	8.00	1.9	8.75	2.1
B-4	0.95	0.21	23.40	5.00	1.0	5.75	1.2	6.25	1.3
B-5	0.95	0.17	6.10	8.25	1.3	9.00	1.5	10.00	1.6
B-6	0.95	0.17	1.50	8.25	1.3	9.00	1.5	10.00	1.6
B-7	0.95	0.09	0.90	8.25	0.7	9.00	0.8	10.00	0.9
B-8	0.95	0.18	1.70	8.25	1.4	9.00	1.5	10.00	1.7

**DRAINAGE CRITERIA**

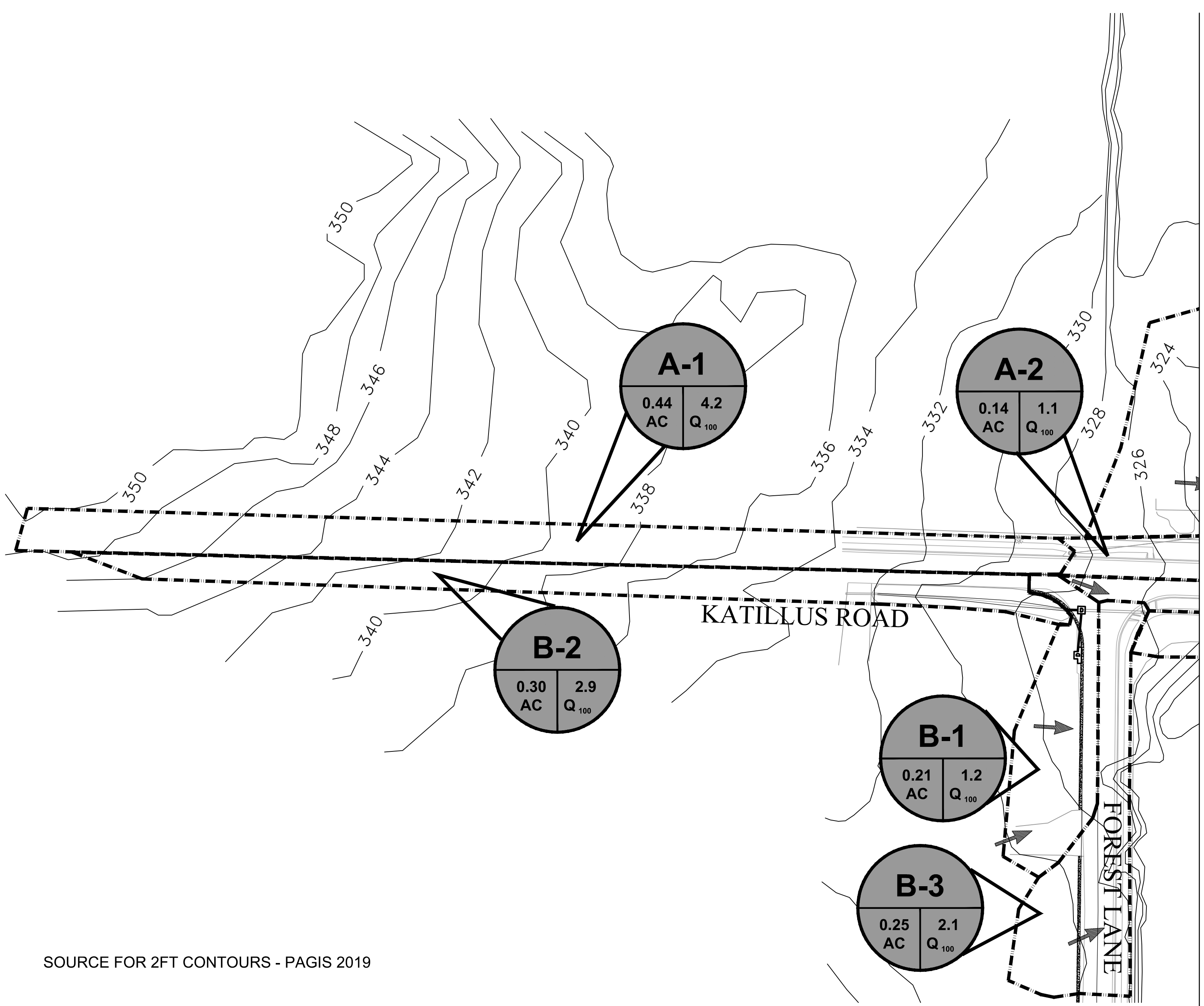
BASIS: CITY OF LITTLE ROCK STORMWATER MANAGEMENT AND DRAINAGE MANUAL

- RATIONAL METHOD Q=CIA
- Q= STORM DRAINAGE DISCHARGE (cfs) AT DESIGN POINT
- C= RUNOFF COEFFICIENT
- I= DESIGN STORM INTENSITY (IN/HR)
- A= DRAINAGE AREA (ACRES)

RUNOFF COEFFICIENT: 0.95 (STREETS - TABLE 2.2)  
 0.70 (RESIDENTIAL - TABLE 2.1)  
 0.35 ( AVERAGE LAWN - TABLE 2.2)  
 0.25 (FLAT LAWN - TABLE 2.2)

STORM FREQUENCY: 100 YEARS-ONSITE DRAINAGE

MANNING'S COEFFICIENT: N=0.0175 - CONCRETE PAVEMENT  
 N=0.012 - CONCRETE PIPES



SOURCE FOR 2FT CONTOURS - PAGIS 2019

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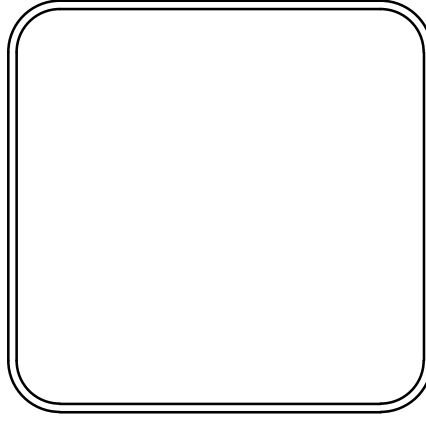
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MATCH LINE C11 C12

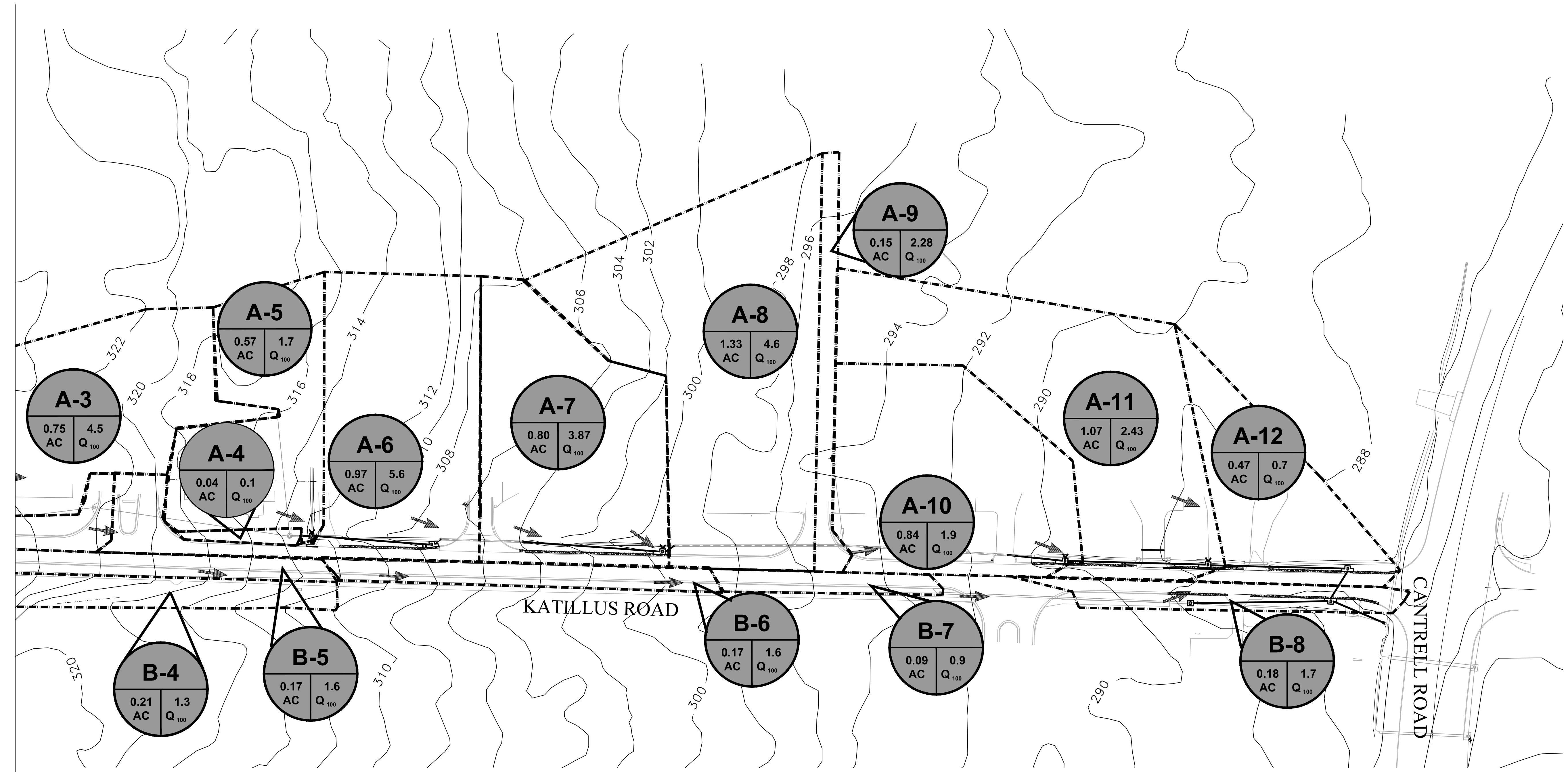
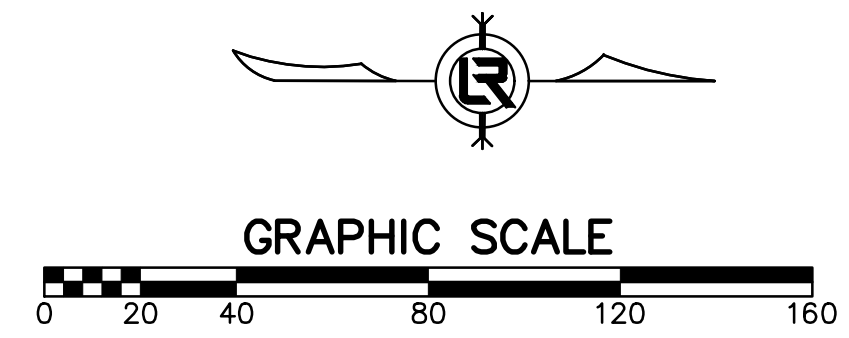
CITY OF LITTLE ROCK, ARKANSAS  
 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 DRAINAGE AREA MAP (1 OF 2)  
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 DATE  
 09/17/2019  
 SCALE  
 1" = 50'  
 PROJECT NO.  
 05-17-ST-223B  
 SHEET NO.  
**C13**

REVISIONS	DATE



SOURCE FOR 2FT CONTOURS - PAGIS 2019

**NOTE**  
1. REFER TO PAGE C13 FOR DRAINAGE TABLE AND INFORMATION

MATCH LINE C11 C12

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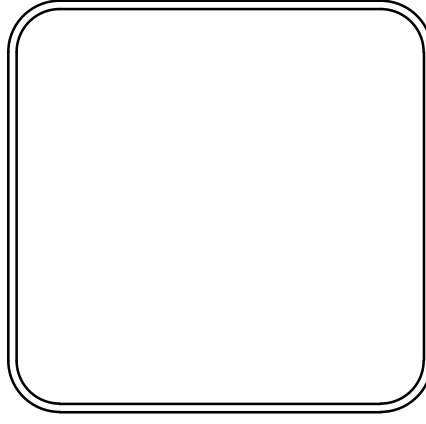
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	Date

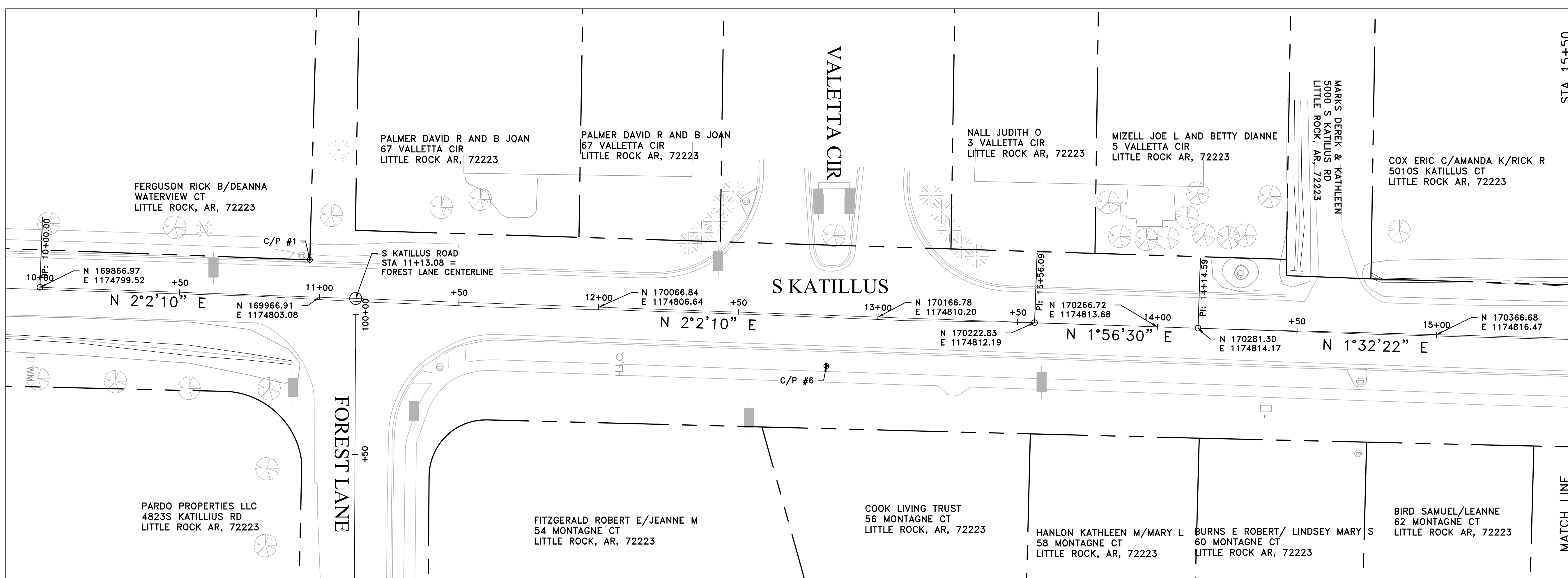
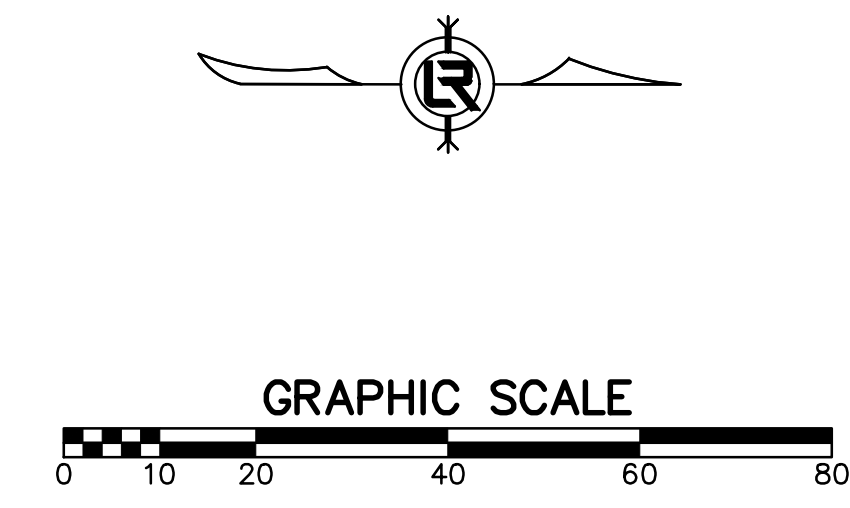
**CITY OF LITTLE ROCK, ARKANSAS**  
**KATILLUS ROAD AND FOREST LANE IMPROVEMENTS**  
DRAINAGE AREA MAP (2 OF 2)  
60%PRELIMINARY DESIGN

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**CHECKED**  
JEB  
**DATE**  
09/17/2019  
**SCALE**  
1" = 50'  
**PROJECT NO.**  
05-17-ST-223B  
**SHEET NO.**  
**C14**

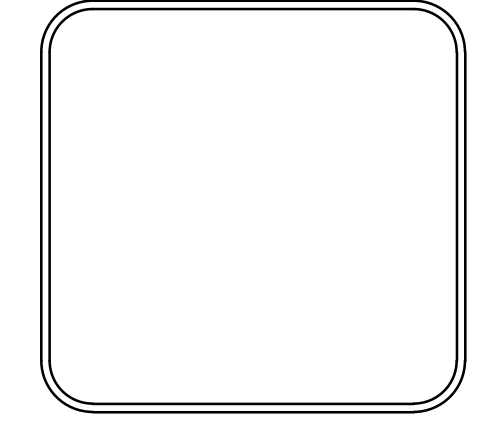
SURVEY CONTROL POINTS SOUTH KATILLUS ROAD							
POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION	BASELINE REFERENCE	BASELINE STATION	BASELINE OFFSET
C/P #1 PAGIS 2054-0242	2" BRASS CAP SET IN CONCRETE SOUTH OF THE INTERSECTION OF SOUTH KATILLUS ROAD AND FOREST LANE AND WEST OF WEST CURB OF SOUTH KATILLUS ROAD	169963.52	1174789.69	329.58	SOUTH KATILLUS ROAD	10+96.14	13.27 LT
C/P #6	5/8" REBAR AT INTERSECTION OF SOUTH KATILLUS ROAD AND VALETTA CIRCLE EAST OF EAST CURB OF SOUTH KATILLUS ROAD	170148.34	1174827.70	321.61	SOUTH KATILLUS ROAD	12+32.20	18.15 RT



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 PROJECT LAYOUT(SHEET 1 OF 4)  
 60% PRELIMINARY DESIGN

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DESIGNED BCJ
CHECKED JEB
DATE 09/17/2019
SCALE 1" = 20'
PROJECT NO. 05-17-ST-223B
SHEET NO. C15

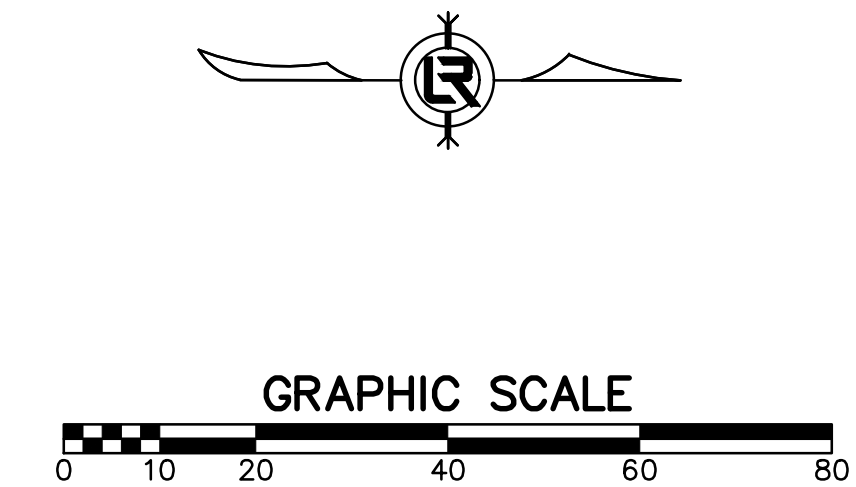
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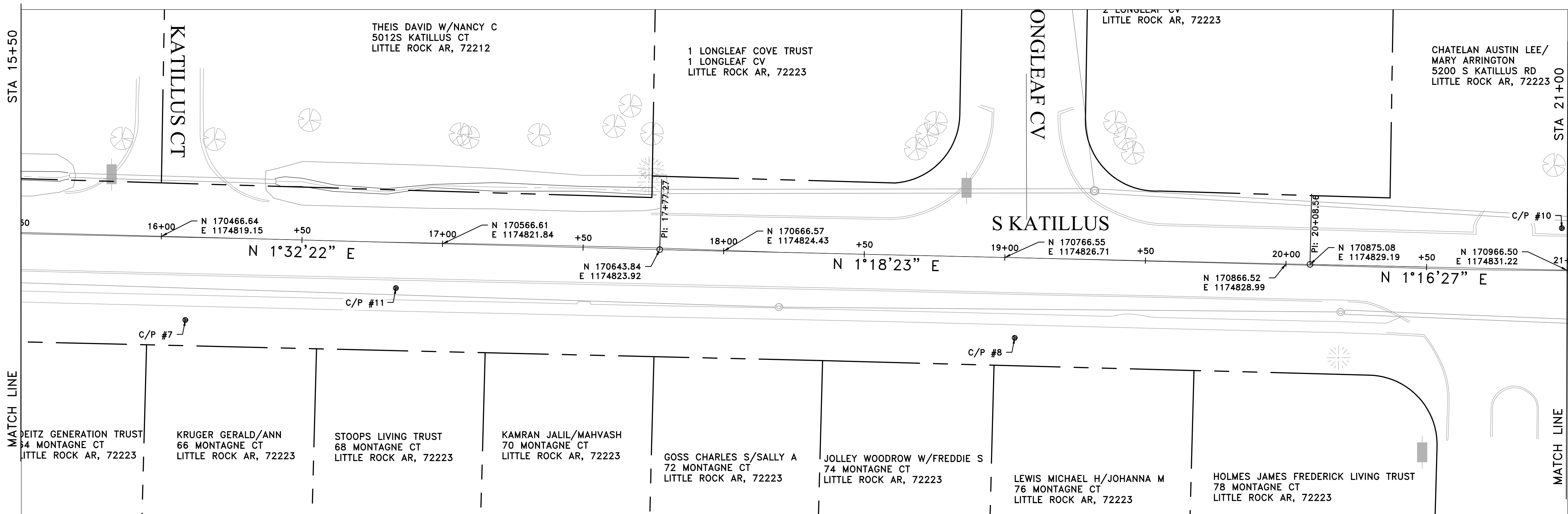
SURVEY CONTROL POINTS SOUTH KATILLUS ROAD							
POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION	BASELINE REFERENCE	BASELINE STATION	BASELINE OFFSET
C/P #7	5/8" REBAR AT INTERSECTION OF SOUTH KATILLUS ROAD AND KATILLUS COURT AND EAST OF EAST CURB OF SOUTH KATILLUS ROAD	170475.15	1174848.95	306.24	SOUTH KATILLUS ROAD	16+09.30	29.56 RT
C/P #11	5/8" REBAR NORTH OF INTERSECTION OF SOUTH KATILLUS ROAD AND KATILLUS COURT AND EAST OF EAST CURB OF SOUTH KATILLUS ROAD	170550.03	1174837.59	303.42	SOUTH KATILLUS ROAD	16+83.85	16.19 RT
C/P #8	5/8" REBAR AT INTERSECTION OF SOUTH KATILLUS ROAD AND LONGLEAF COVE AND EAST OF EAST CURB OF SOUTH KATILLUS ROAD	170770.09	1174855.32	296.49	SOUTH KATILLUS ROAD	19+04.19	28.51 RT
C/P #10	5/8" REBAR AT INTERSECTION OF SOUTH KATILLUS ROAD AND MONTAGNE COURT AND WEST OF WEST CURB OF SOUTH KATILLUS ROAD	170964.65	1174816.27	291.47	SOUTH KATILLUS ROAD	20+47.82	14.91 LT



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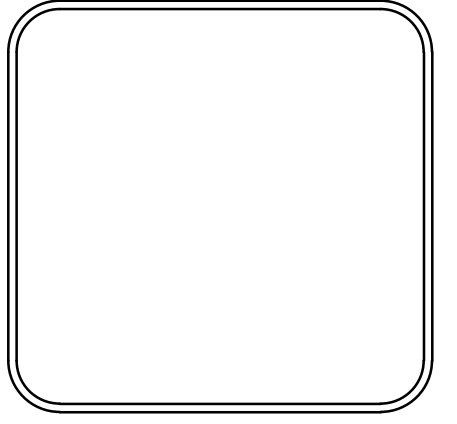
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REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 PROJECT LAYOUT(SHEET 2 OF 4)  
 60% PRELIMINARY DESIGN

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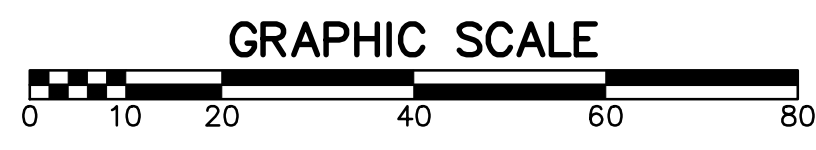
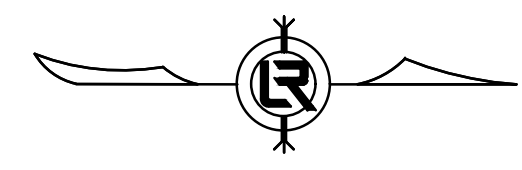


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 1" = 20'  
 PROJECT NO.  
 05-17-ST-223B  
 SHEET NO.  
 C16

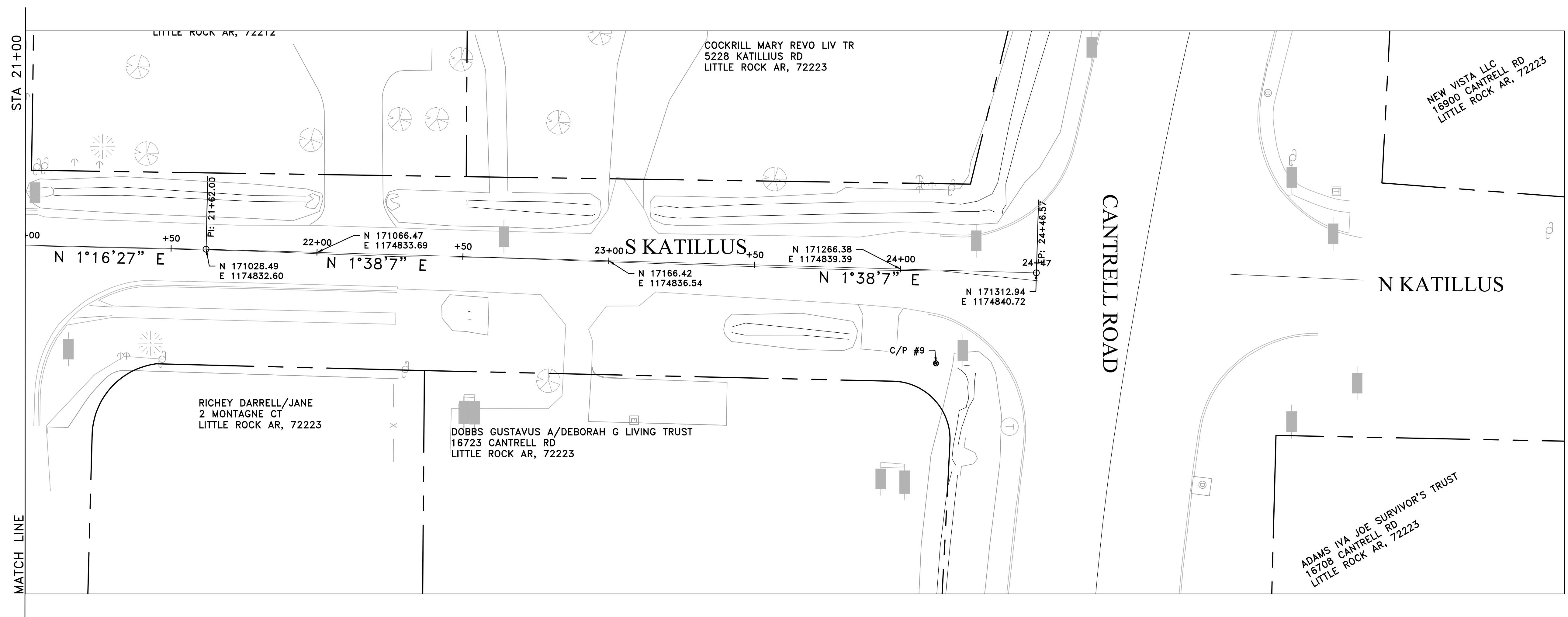


REVISIONS	DATE

SURVEY CONTROL POINTS SOUTH KATILLUS ROAD							
POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION	BASELINE REFERENCE	BASELINE STATION	BASELINE OFFSET
C/P #9 5/8" REBAR ELEV. NORTHING 171278.54 EASTING	5/8" REBAR SOUTH OF INTERSECTION OF SOUTH KATILLUS ROAD AND CANTRELL ROAD EAST OF EAST CURB OF SOUTH KATILLUS ROAD	171278.54	1174871.71	285.81	SOUTH KATILLUS ROAD	24+13.07	31.96 RT

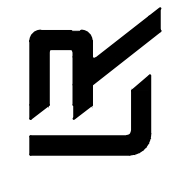


LINE TABLE		
LINE	BEARING	LENGTH
L1	N2.038889E	1446.57



CITY OF LITTLE ROCK, ARKANSAS  
 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 PROJECT LAYOUT(SHEET 3 OF 4)  
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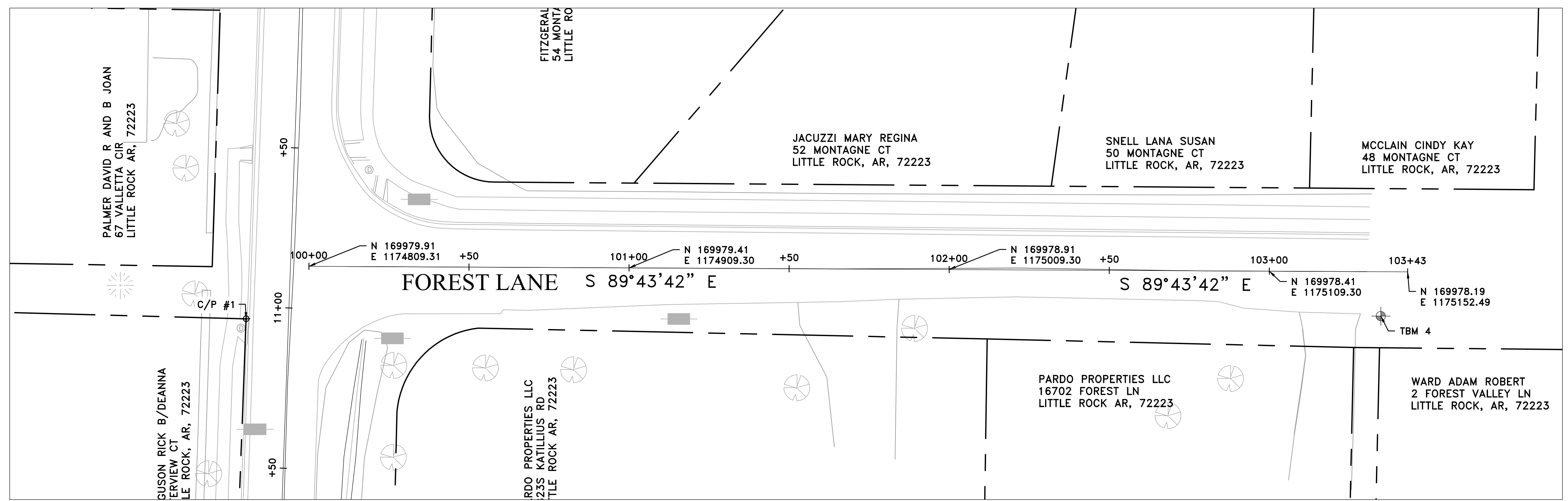
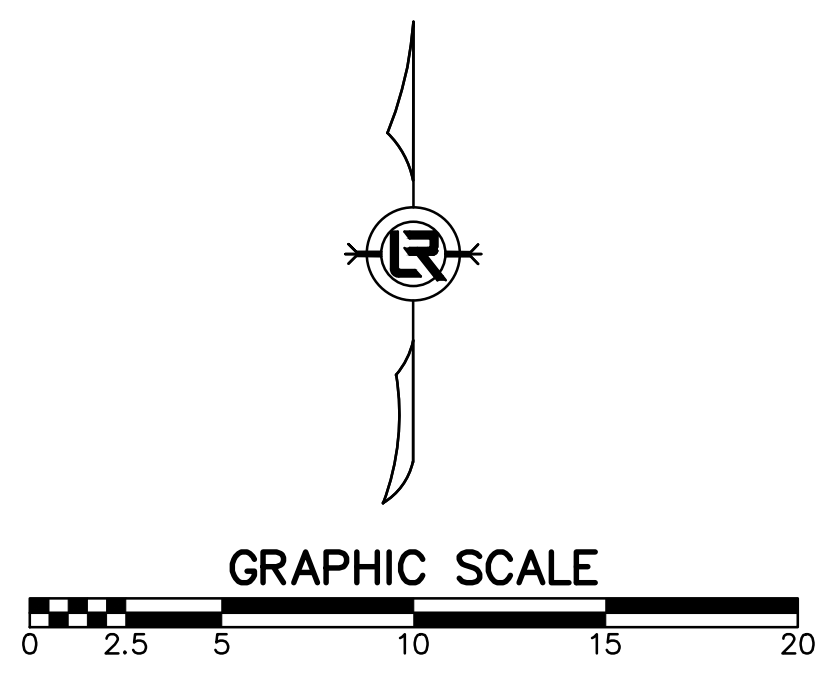
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DESIGNED BCJ
CHECKED JEB
DATE 09/17/2019
SCALE 1" = 20'
PROJECT NO. 05-17-ST-223B
SHEET NO. <b>C17</b>

REVISIONS	DATE

SURVEY CONTROL POINTS AND BENCHMARK FOREST LANE							
POINT	DESCRIPTION	NORTHING	EASTING	ELEVATION	BASELINE REFERENCE	BASELINE STATION	BASELINE OFFSET
C/P #1 PAGIS 2054-0242	2"BRASS CAP SET IN CONCRETE SOUTH OF THE INTERSECTION OF SOUTH KATILLUS ROAD AND FOREST LANE AND WEST OF WEST CURB OF SOUTH KATILLUS ROAD	169963.52	1174789.69	329.58	SOUTH KATILLUS ROAD	10+96.14	13.27 LT
TBM 4	CHISELED SQUARE ON BACK OF CURB SOUTH SIDE OF FOREST LANE	169964.38	1175144.13	329.38	FOREST LANE	103+34.90	13.87 RT



CITY OF LITTLE ROCK, ARKANSAS  
 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 DRIVEWAY DETAILS (SHEET 4 OF 4)  
 60% PRELIMINARY DESIGN

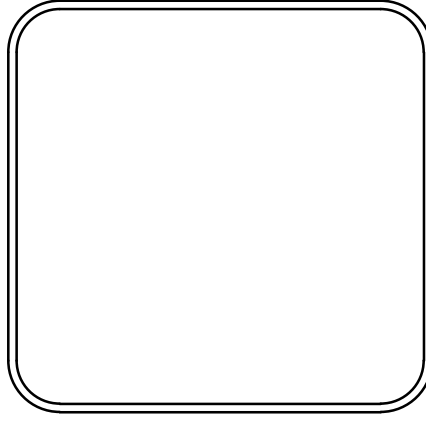
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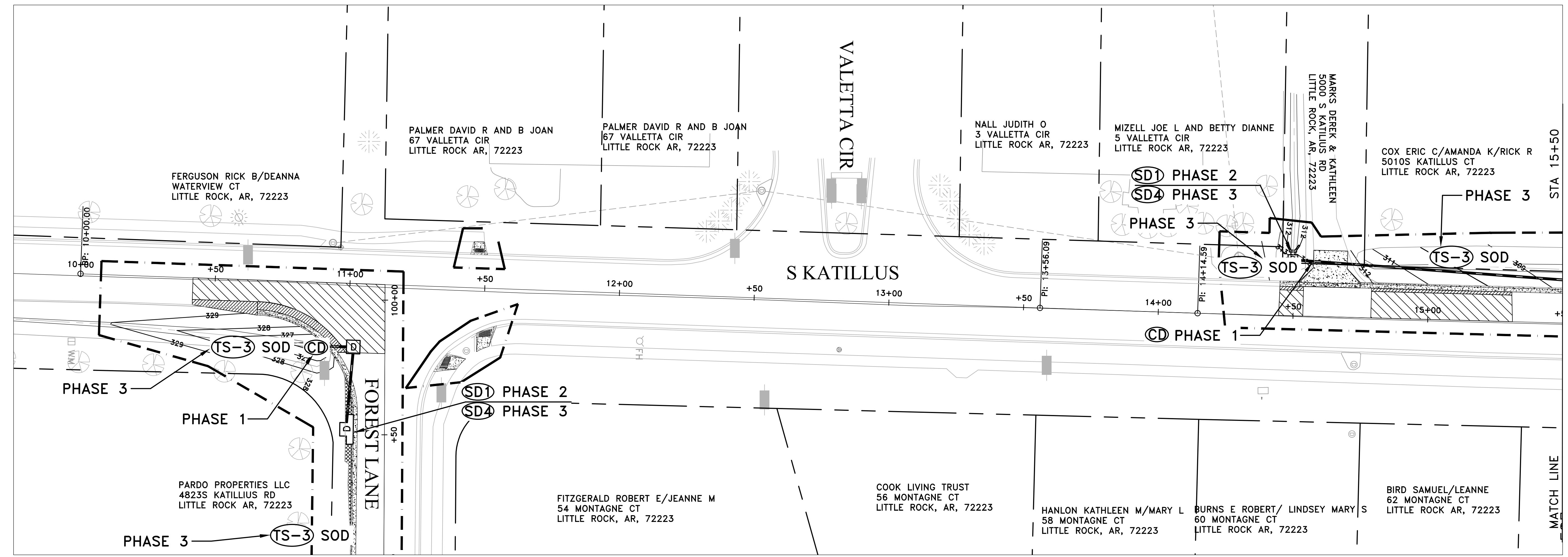
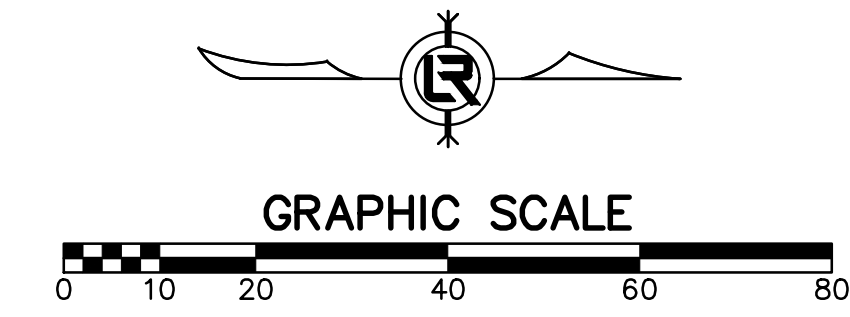
JEFFREY BRISCOE P.E.# 17332      09/17/2019  
Date



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 KWS  
 DESIGNED  
 BCJ  
 CHECKED  
 JEB  
 DATE  
 09/17/2019  
 SCALE  
 1" = 20'  
 PROJECT NO.  
 05-17-ST-223B  
 SHEET NO.  
**C18**

REVISIONS	DATE

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



CITY OF LITTLE ROCK, ARKANSAS  
 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 EROSION CONTROL (SHEET 1 OF 4)  
 60% PRELIMINARY DESIGN

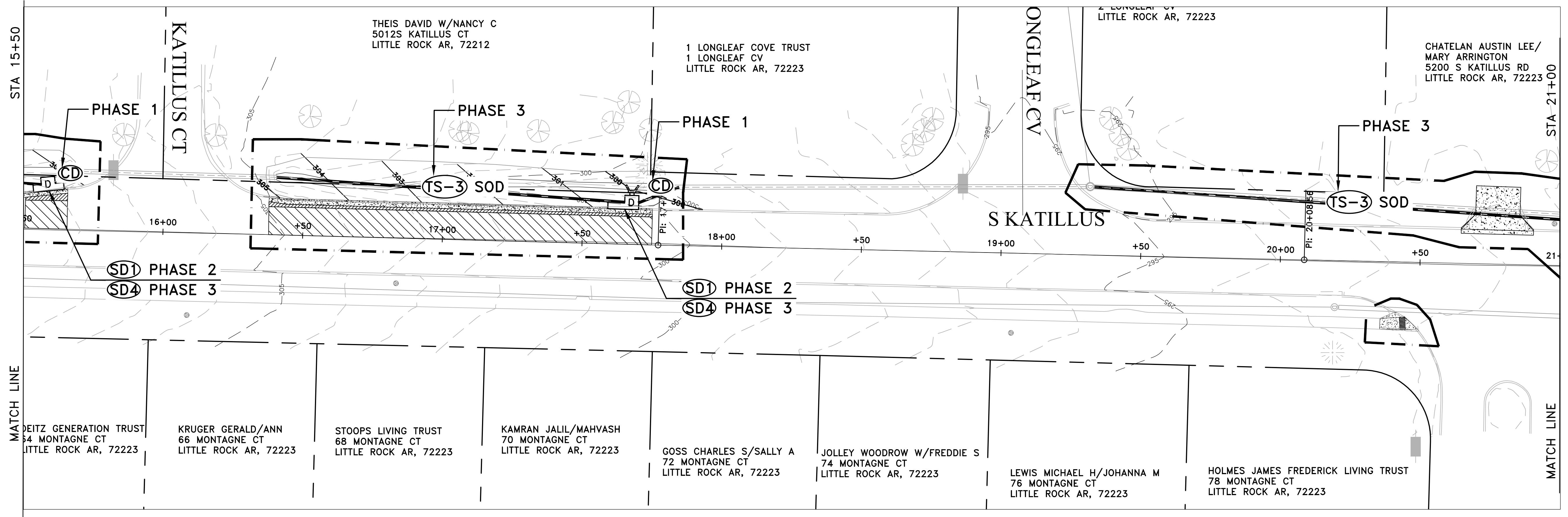
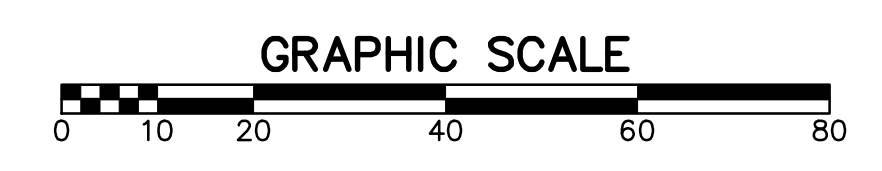
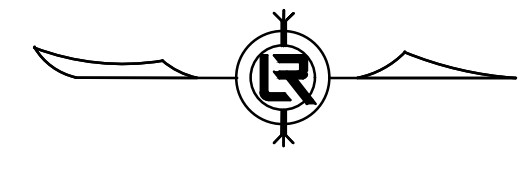
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 DATE  
 09/17/2019  
 SCALE  
 1" = 20'  
 PROJECT NO.  
 05-17-ST-223B  
 SHEET NO.  
 C19

REVISIONS	DATE

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



CITY OF LITTLE ROCK, ARKANSAS  
 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 EROSION CONTROL (SHEET 2 OF 4)  
 60% PRELIMINARY DESIGN

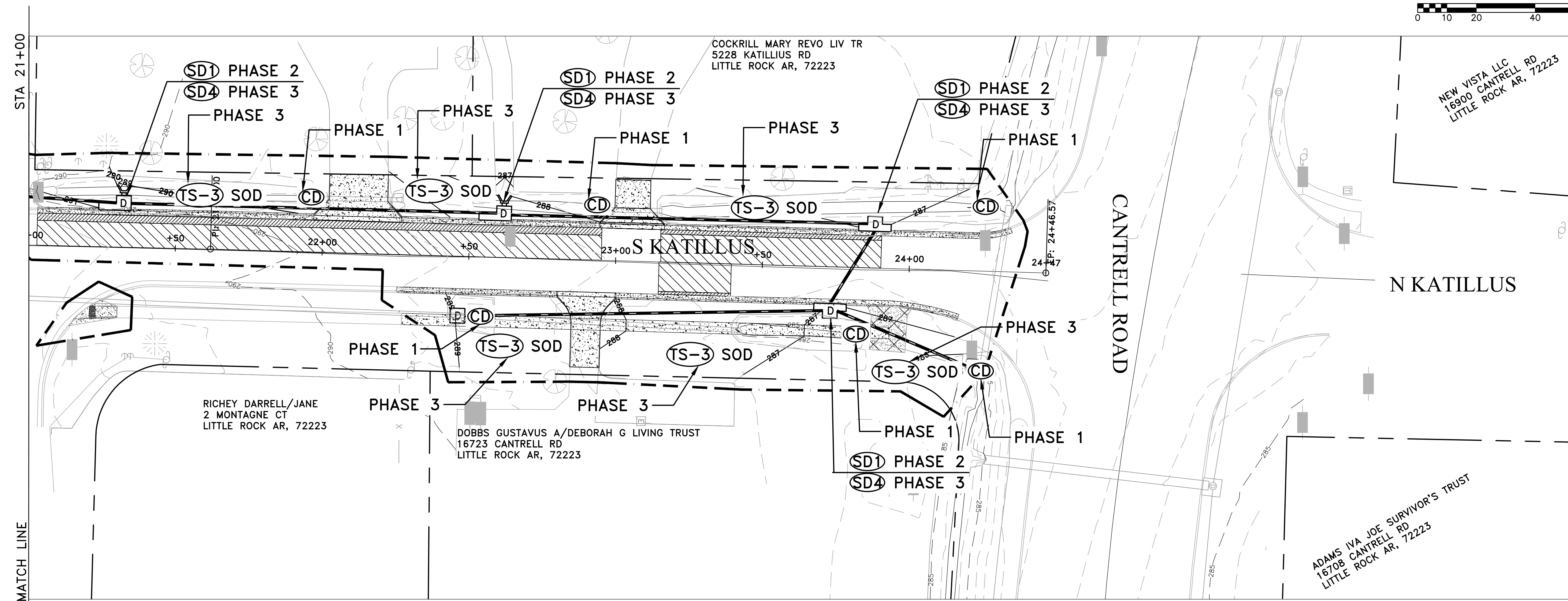
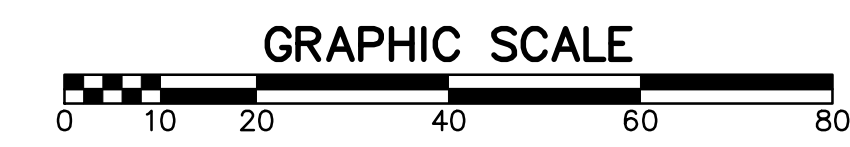
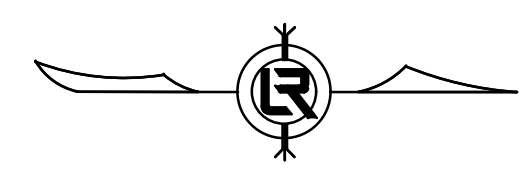
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 Date

DRAWN BY  
 KWS  
 DESIGNED  
 BCJ  
 CHECKED  
 JEB  
 DATE  
 09/17/2019  
 SCALE  
 1" = 20'  
 PROJECT NO.  
 05-17-ST-223B  
 SHEET NO.  
 C20

REVISIONS	DATE

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

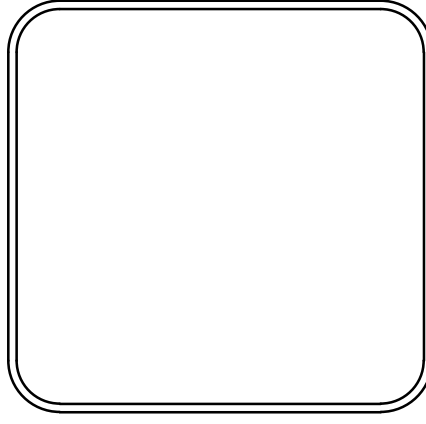


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 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 EROSION CONTROL (SHEET 3 OF 4)  
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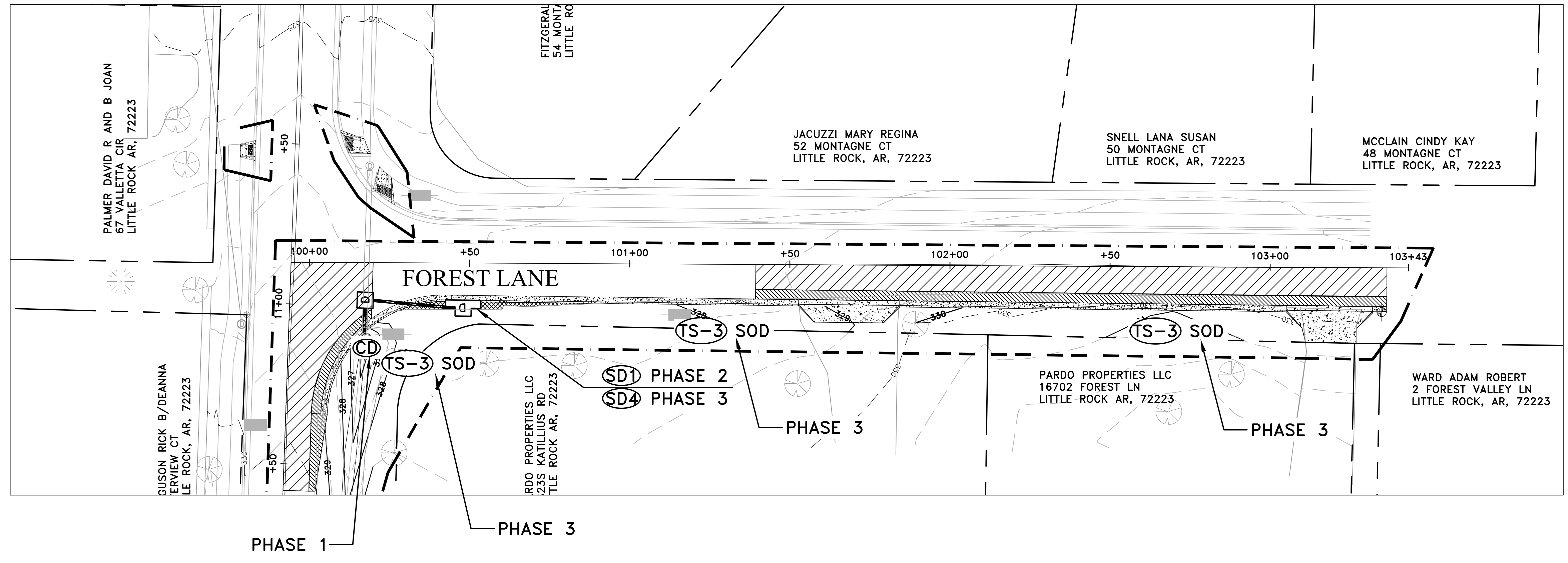
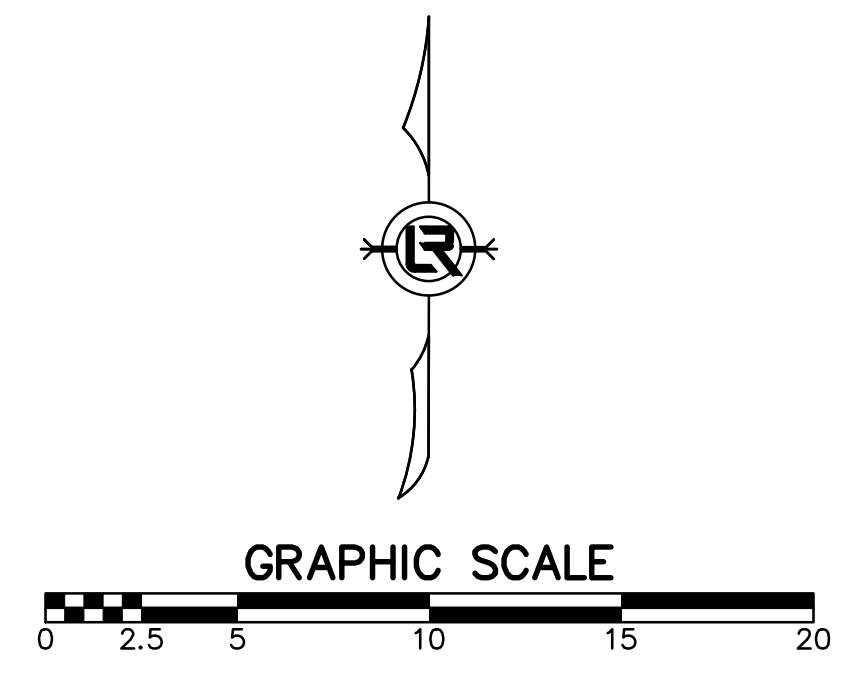
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 DATE  
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 SCALE  
 1" = 20'  
 PROJECT NO.  
 05-17-ST-223B  
 SHEET NO.  
 C21

REVISIONS	DATE

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



CITY OF LITTLE ROCK, ARKANSAS  
 KATILLUS ROAD AND FOREST LANE IMPROVEMENTS  
 EROSION CONTROL (SHEET 4 OF 4)  
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 SHEET NO.  
 C22