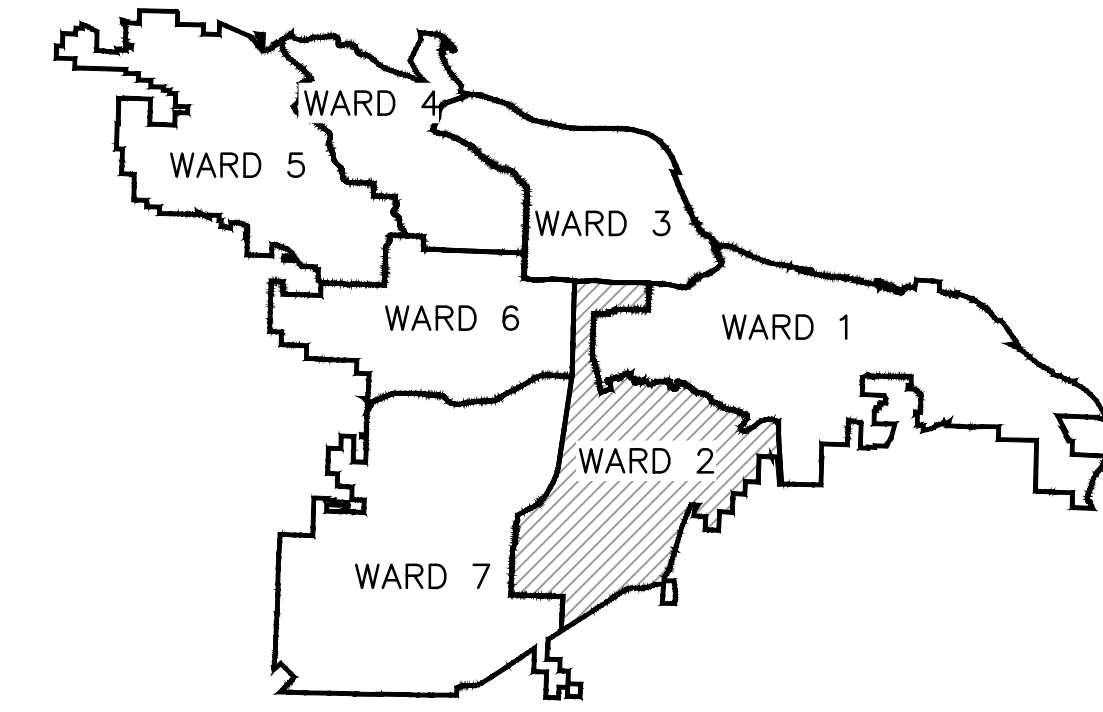


W - 10TH STREET RECONSTRUCTION

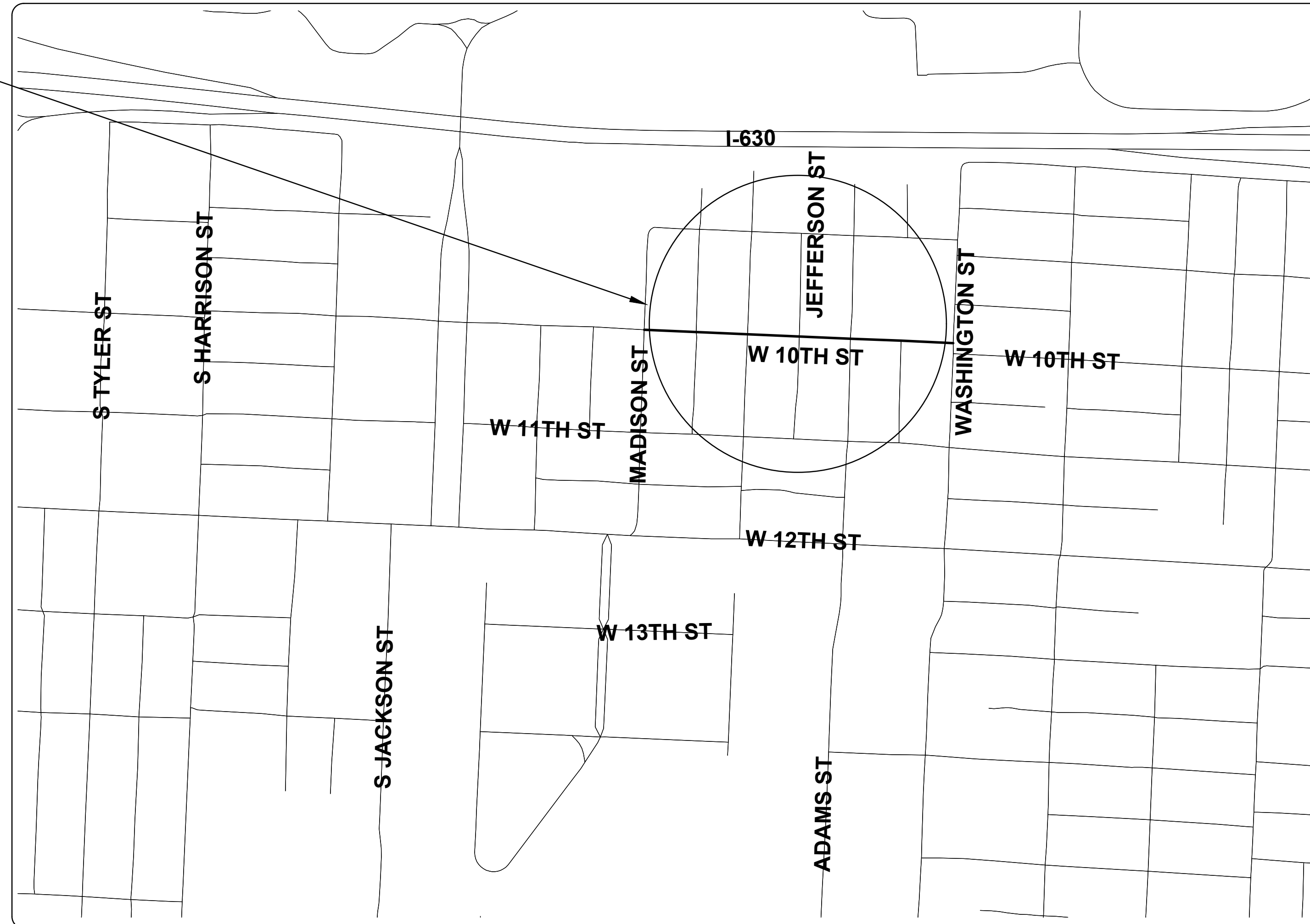
MADISON ST TO WASHINGTON ST

CLR PROJECT #02-17-ST-82

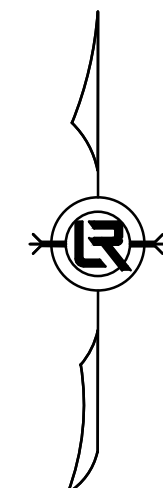


PROJECT LOCATION - WARD 2

PROJECT LOCATION



SHEET NO.	TITLE
C0	COVER SHEET
C1	LEGEND AND QUANTITIES
C2	TYPICAL SECTION
C3	EXISTING CONDITION
C4	PLAN AND PROFILE - STA 01+00 TO 6+50
C5	PLAN AND PROFILE - STA 6+50 TO 11+90
C6	CROSS SECTIONS - I
C7	CROSS SECTIONS - II
C8	CROSS SECTIONS - III
C9	SURVEY CONTROL PLAN - I
C10	SURVEY CONTROL PLAN - II
C11	EROSION CONTROL PLAN - PHASE I
C12	EROSION CONTROL PLAN - PHASE II & III
C13	MAINTENANCE OF TRAFFIC PLAN
C14	DRAINAGE DETAIL



2019-2021
BOND PROGRAM

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



Know what's below.
Call before you dig.

GNE Designing our client's success
GarNat Engineering, LLC

P.O. Box 116 (72018)
2909 Military Road
Benton, AR 72015

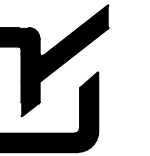
Ph (501) 408-4650
Fx (888) 900-3068
garnatengineering@gmail.com

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION

COVER SHEET

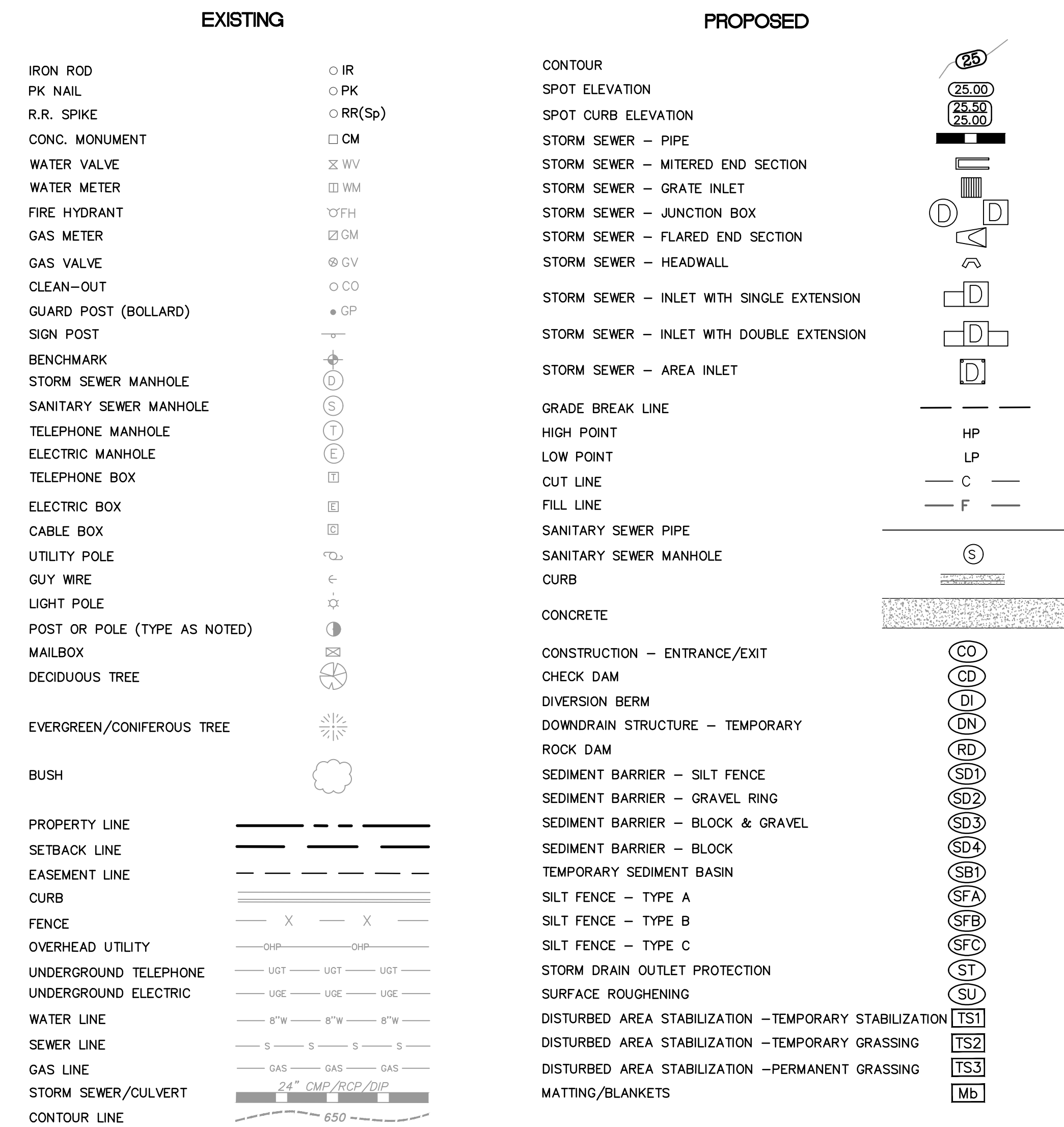
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



09-20-2019

DRAWN BY ATV
DESIGNED VJW & NHC
CHECKED VJW
DATE 09-20-2019
SCALE N.T.S.
PROJECT NO. 02-17-ST-82
SHEET NO. C0

CLR PROJECT 02-17-ST-82			
W-10th STREET IMPROVEMENTS-100% QUANTITIES			
20-Sep-2019			
ITEM#	DESCRIPTION	Unit	Quantity
2.01	SITE PREPARATION	LS	1
3.01	UNCLASSIFIED EXCAVATION	CY	575
3.06	BORROW MATERIAL	CY	575
3.4	TOP SOIL	CY	200
4.01	AGGREGATE BASE COURSE	TON	350
5.01	TACK COAT	GAL	200
6.1	ACHM SURFACE COURSE (TYPE 2)	TON	500
6.11	ACHM SURFACE LEVELING	TON	350
7.06	CONCRETE DRIVEWAY AND APRON (6" THICK)	SF	2000
7.08	ALLEY TURNOUT (8" THICK)	SF	650
8.01	CONCRETE CURB AND GUTTER (CLASS 3)	LF	1925
9.1	CONCRETE SIDEWALK	SF	4300
10.01	JUNCTION BOX	EA	1
10.02	REBUILD INLET TOP	EA	2
10.03	CURB INLET SPECIAL	EA	1
10.05	CURB INLET 5' BOX	EA	8
10.07	WING 3' EXTENSION	EA	11
10.1	WING 6' EXTENSION	EA	1
13.18	STORM DRAIN PIPE, 18" (SIDE DRAIN)	LF	539
13.18	STORM DRAIN PIPE, 18" (CROSS DRAIN)	LF	100
13.24A	STORM DRAIN PIPE, ARCH 29"X18" (CROSS DRAIN)	LF	30
13.24C	STORM DRAIN PIPE, 24" (SIDE DRAIN)	LF	22
14.01	SOLID SOD, BERMUDA	SY	1500
16.01	MAINTENANCE OF TRAFFIC	LS	1
17.01	PAVEMENT REPAIR (PW-25)	SY	70
18.5	ACCESS RAMP	SF	900
18.55	WATER FOR DUST CONTROL	GAL	50000
19.01	FINAL CLEANUP	LS	1
23.01	B STONE	TON	320
24.05	ROCK DAM (RD)	CY	8
24.06	SEDIMENT BARRIER, SILT FENCE (SD1)	EA	13
24.12	SILT FENCE (TYPE A)	LF	1150
24.09	SEDIMENT BARRIER, BLOCK (SD-4)	EA	12
26.1	TRENCH EXCAVATION & SAFETY	LS	1
606.24C	FLARED END SECTION 24" RCP	EA	1



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
W - 10TH STREET RECONSTRUCTION
LEGEND & QUANTITIES

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

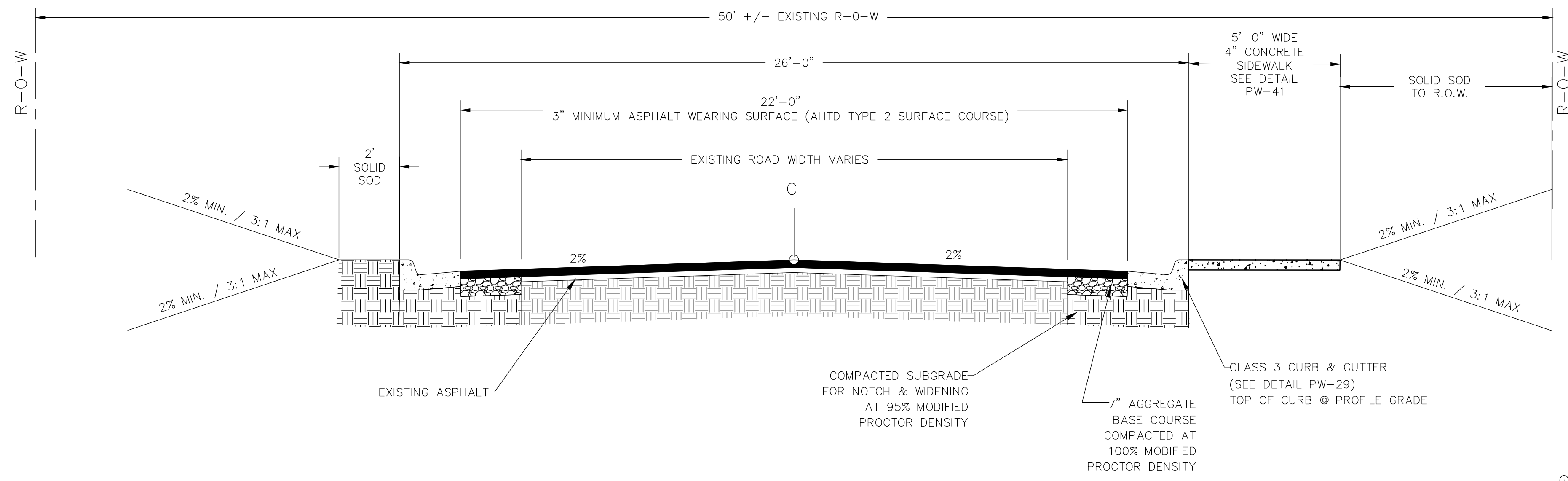


DRAWN BY
 ATV
DESIGNED
 VJW & NHC
CHECKED
 VJW
DATE
 09-20-2019
SCALE
 N.T.S.
PROJECT NO.
 02-1-ST-82
SHEET NO.
 C1

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION

TYPICAL SECTION

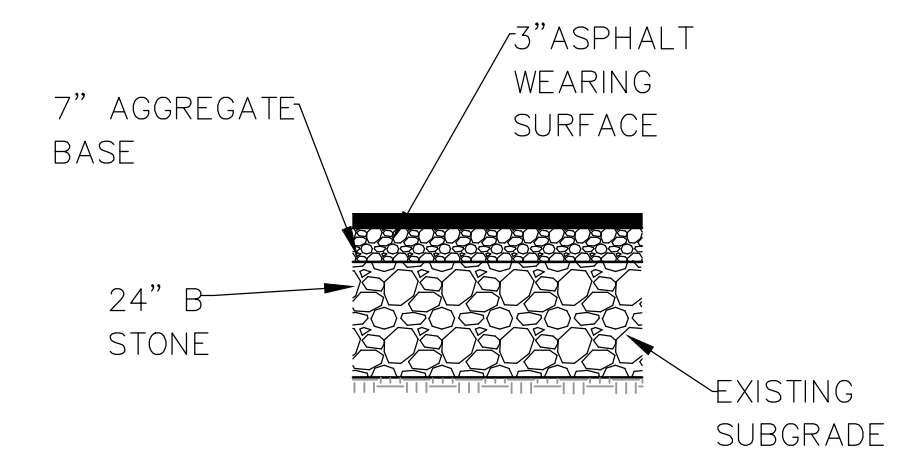


TYPICAL STREET SECTION W 10TH STREET

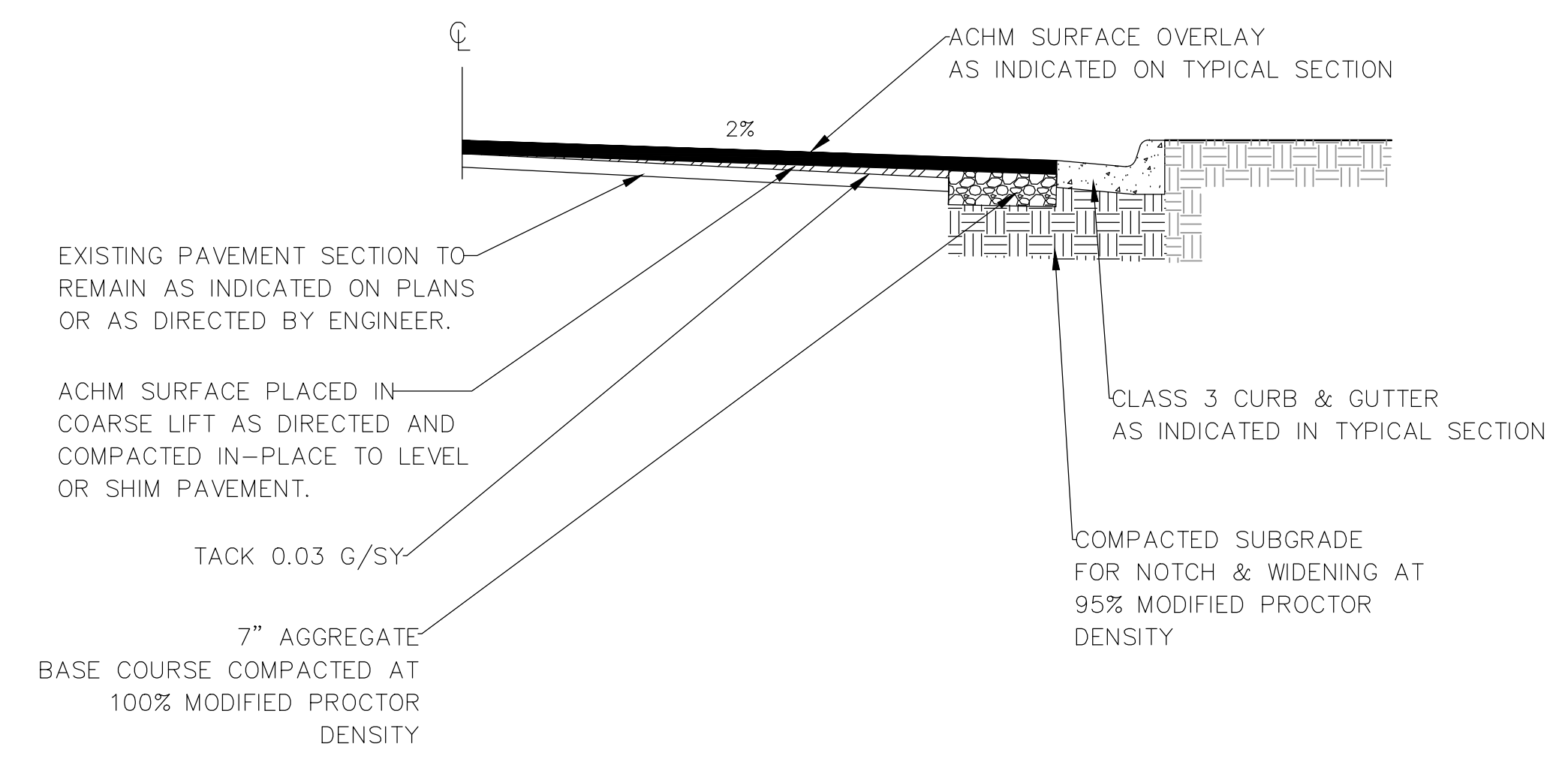
SCALE: 1/8" = 1'-0"
STA 1+00 TO STA 11+90

GENERAL STREET CONSTRUCTION NOTES:

1. WORK ASSOCIATED WITH THIS DETAIL COMPLY WITH LITTLE ROCK PW-22 DETAIL.
2. IF OR WHERE DIRECTED, SAWCUT, UNDERCUT, EXCAVATE, AND RECONSTRUCT SUBGRADE WITH B STONE PER DETAIL A AS DIRECTED BY ENGINEER TO REPAIR SUBGRADE FAILURES.
3. IF OR WHERE DIRECTED BY ENGINEER, CONTRACTOR SHALL SHIM ANY LOWER AREAS TO CORRECT THE CROWN SLOPE IN EXISTING ROADWAY WITH ACHM SURFACE MATERIAL PRIOR TO RESURFACING PER ACHM SURFACE-LEVELLING DETAIL.



DETAIL A



ACHM SURFACE - LEVELLING DETAIL

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

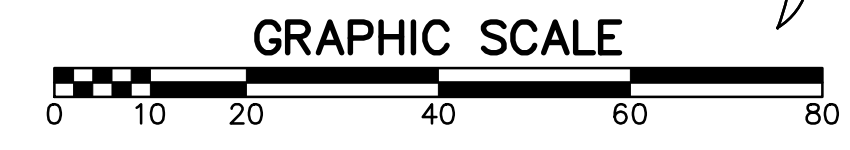
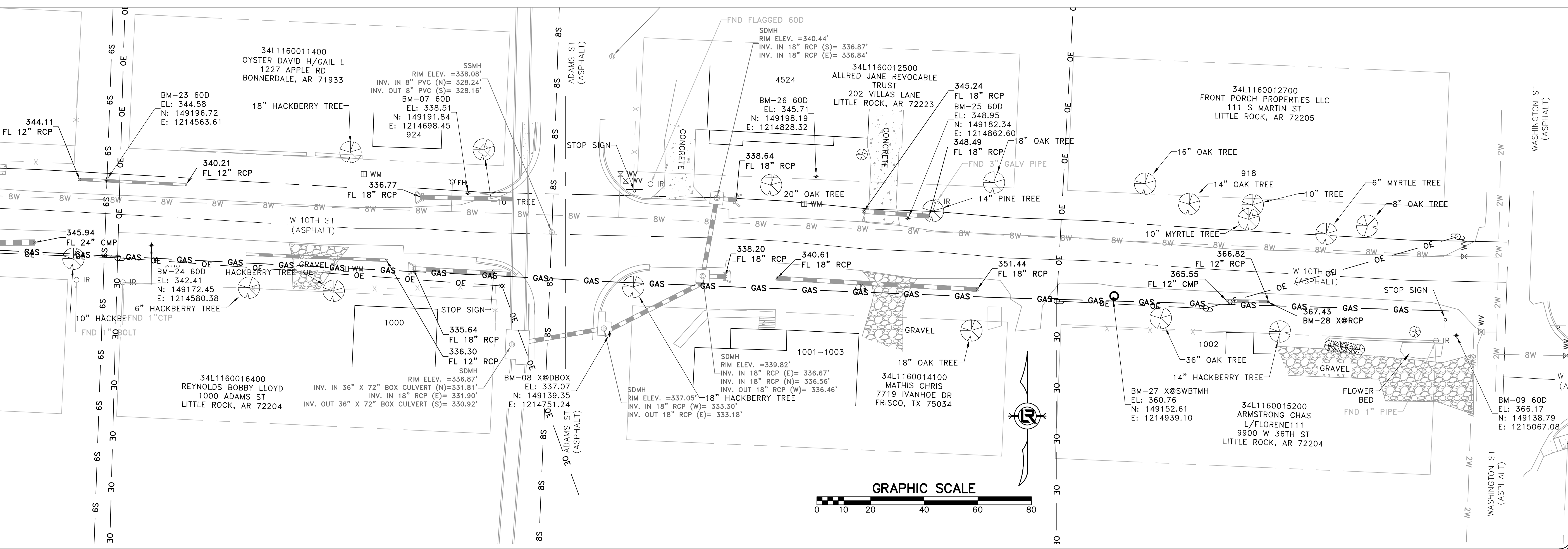
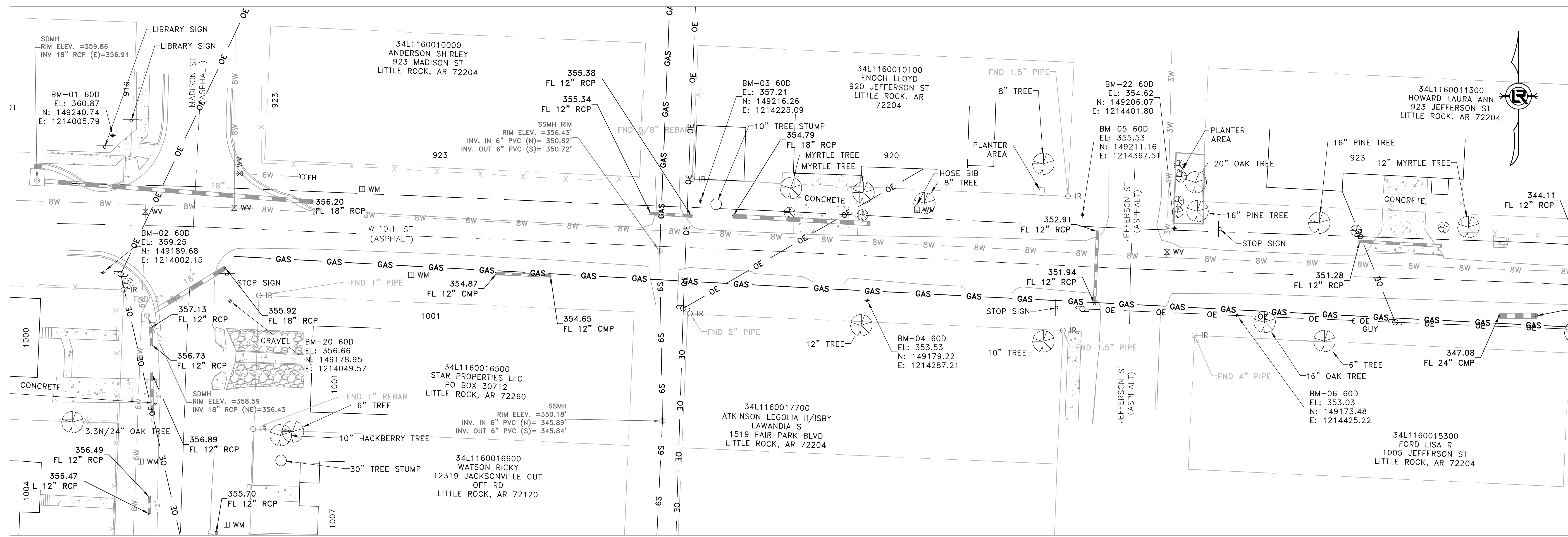


09-20-2019

DRAWN BY
ATV
DESIGNED
VJW & NHC
CHECKED
VJW
DATE
09-20-2019
SCALE
N.T.S.
PROJECT NO.
02-17-ST-82
SHEET NO.

C2

REVISIONS	DATE

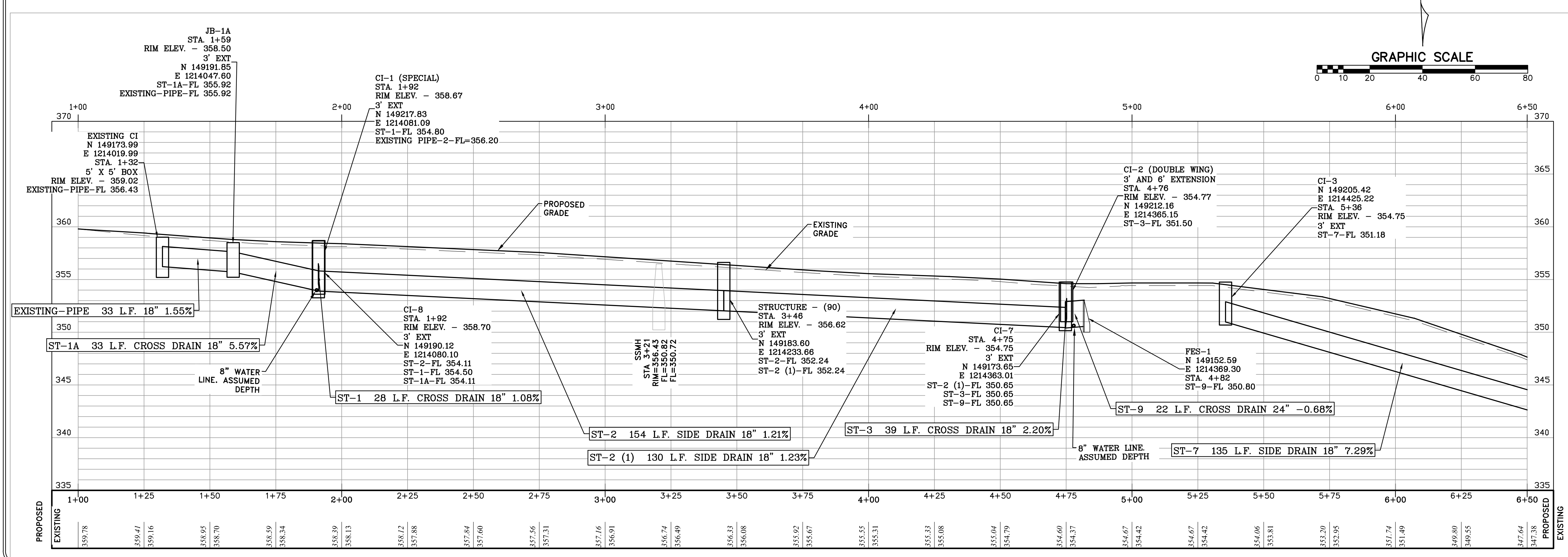
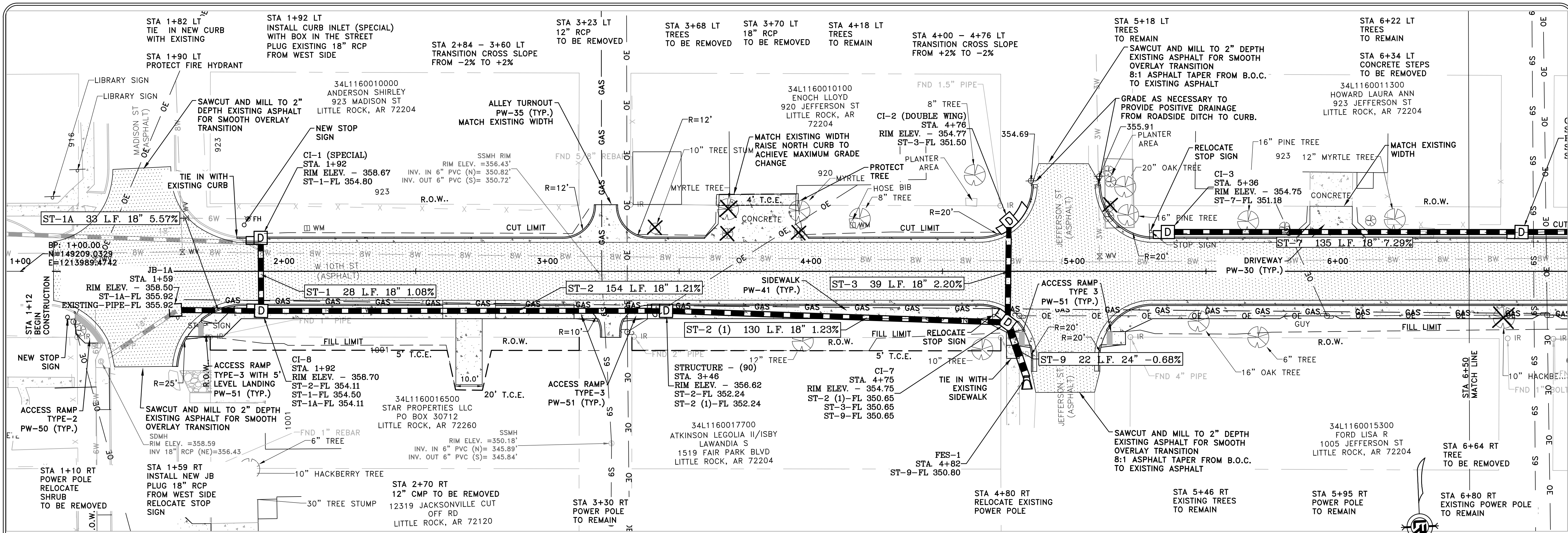


CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION
EXISTING CONDITION

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



DRAWN BY
ATV
DESIGNED
NHC & ATV
CHECKED
VJW
DATE
09-20-2019
SCALE
1"=20' (22X34)
PROJECT NO.
02-17-ST-82
SHEET NO.
C3



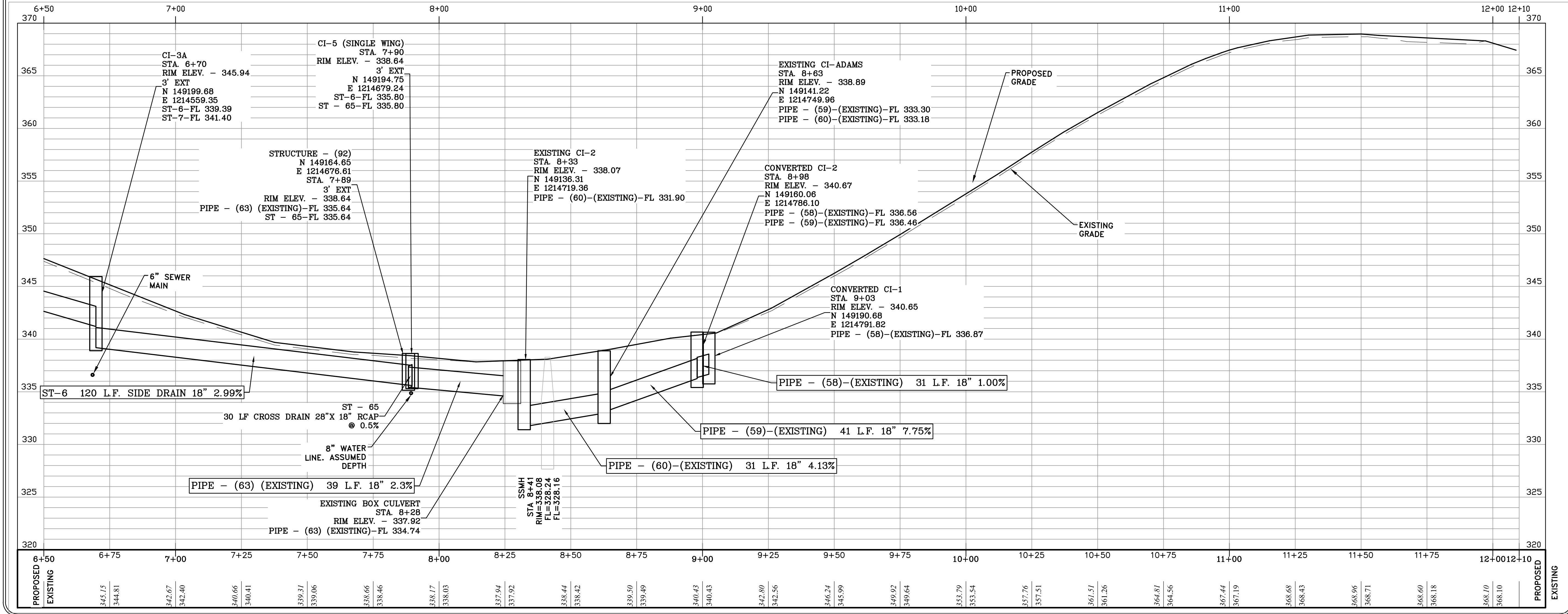
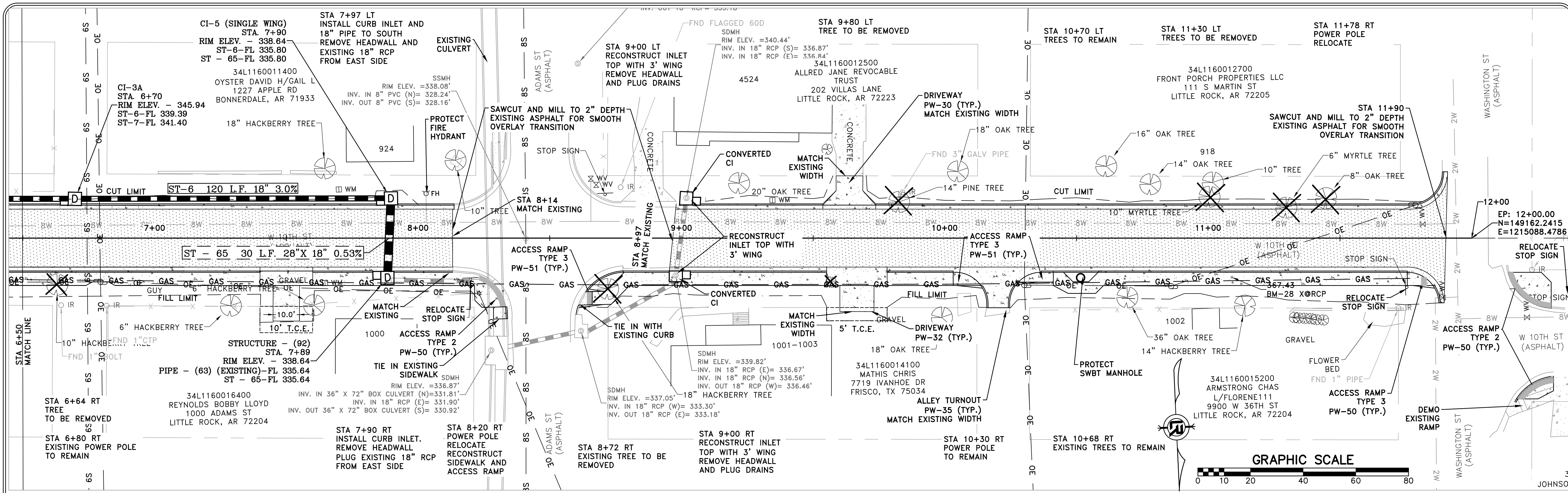
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 W-10TH STREET RECONSTRUCTION
 PLAN & PROFILE - STA 01+00 TO 6+50

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



DRAWN BY
 ATV
 DESIGNED
 NHC & VJW
 CHECKED
 VJW
 DATE
 09-20-2019
 SCALE
 1"=20' (22X34)
 PROJECT NO.
 02-17-ST-82
 SHEET NO.
 C4



REVISIONS	DATE

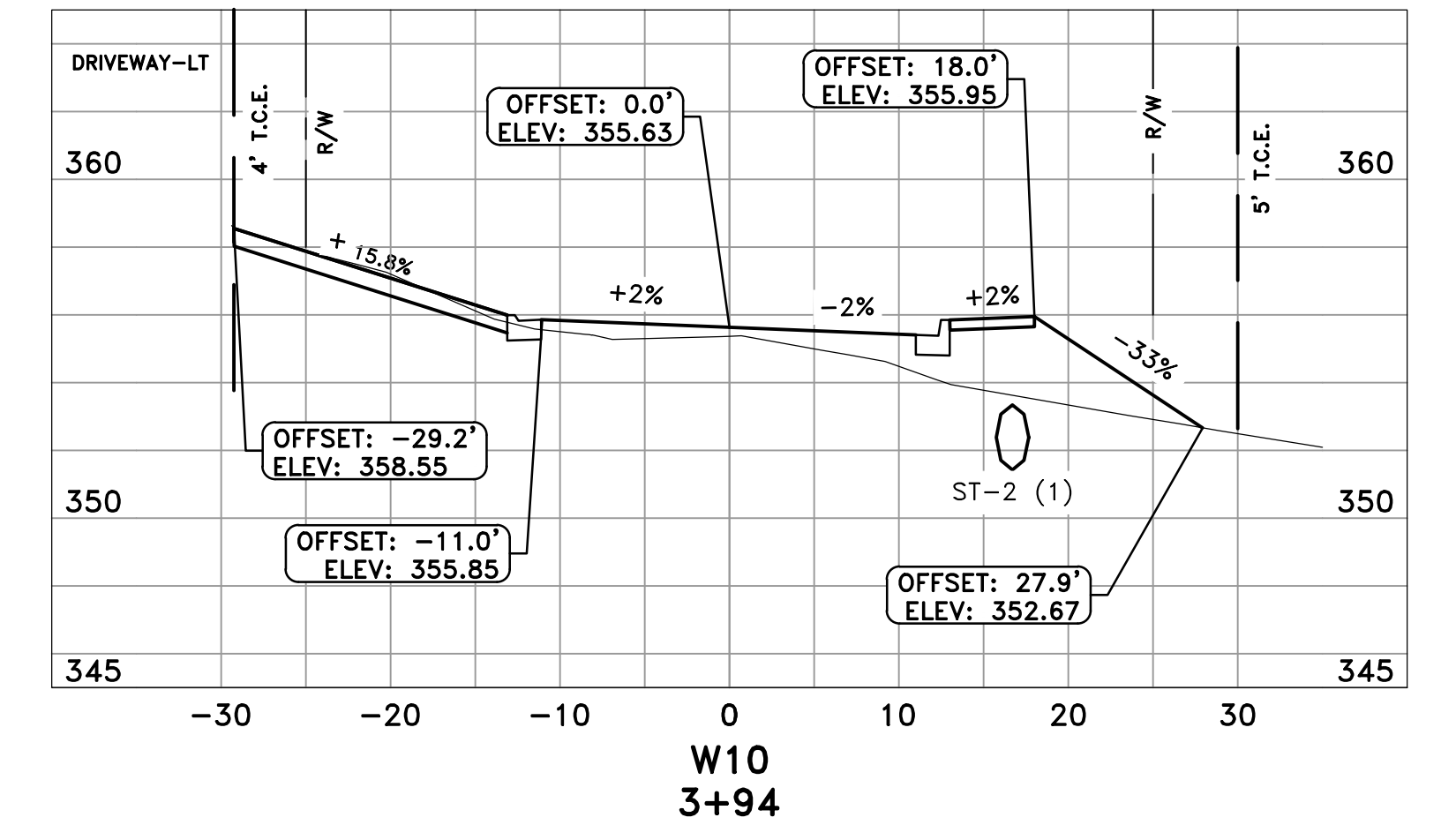
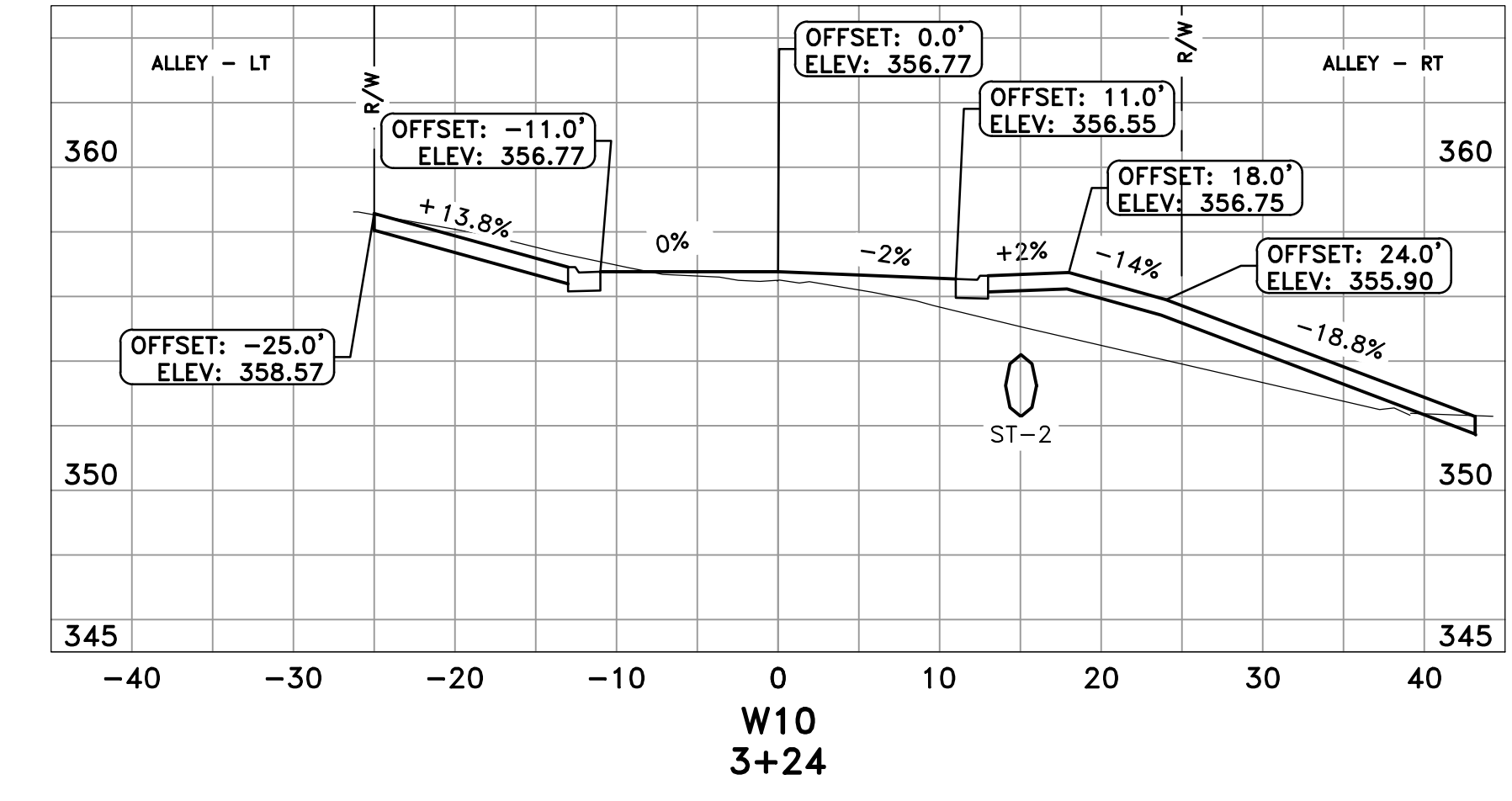
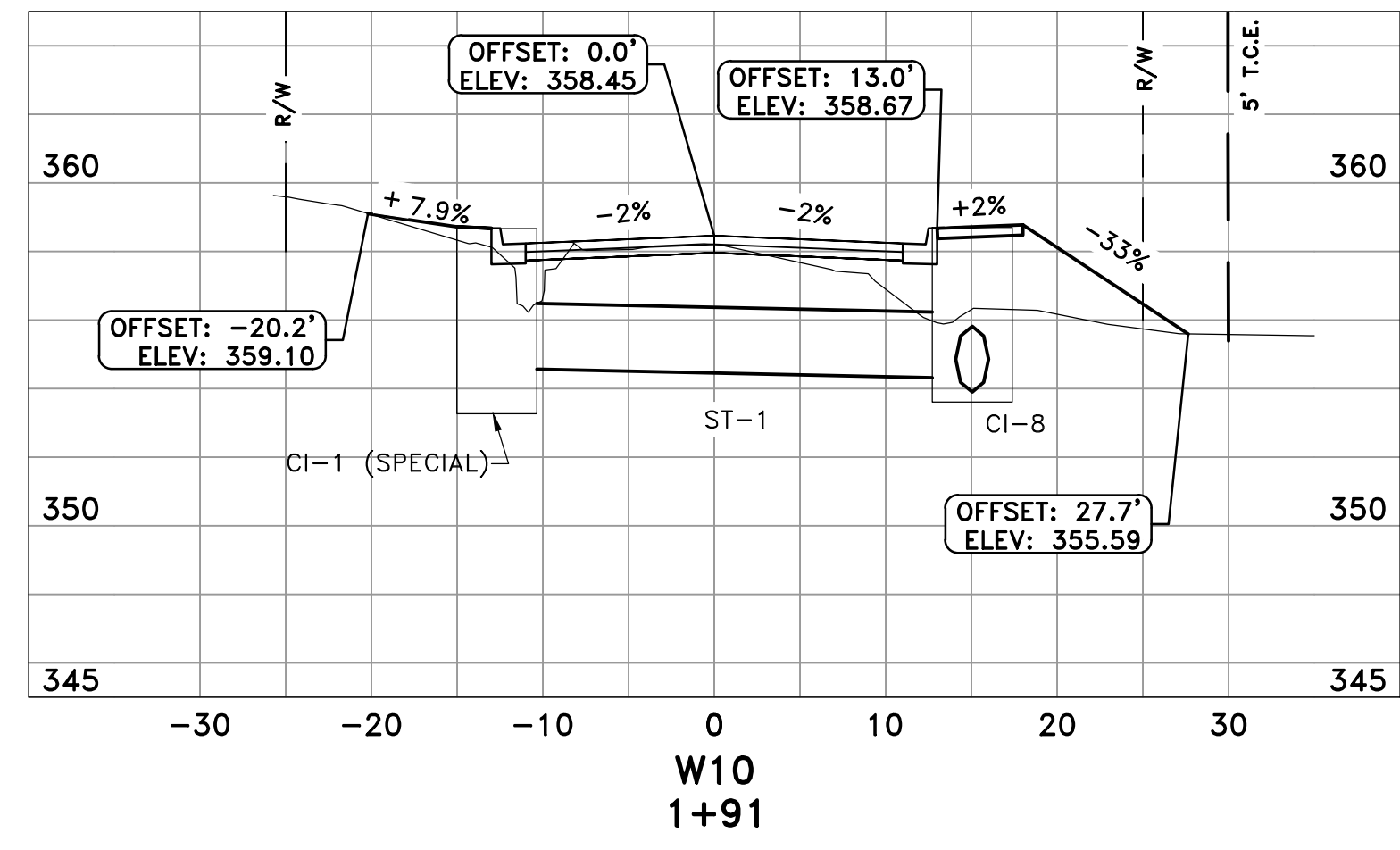
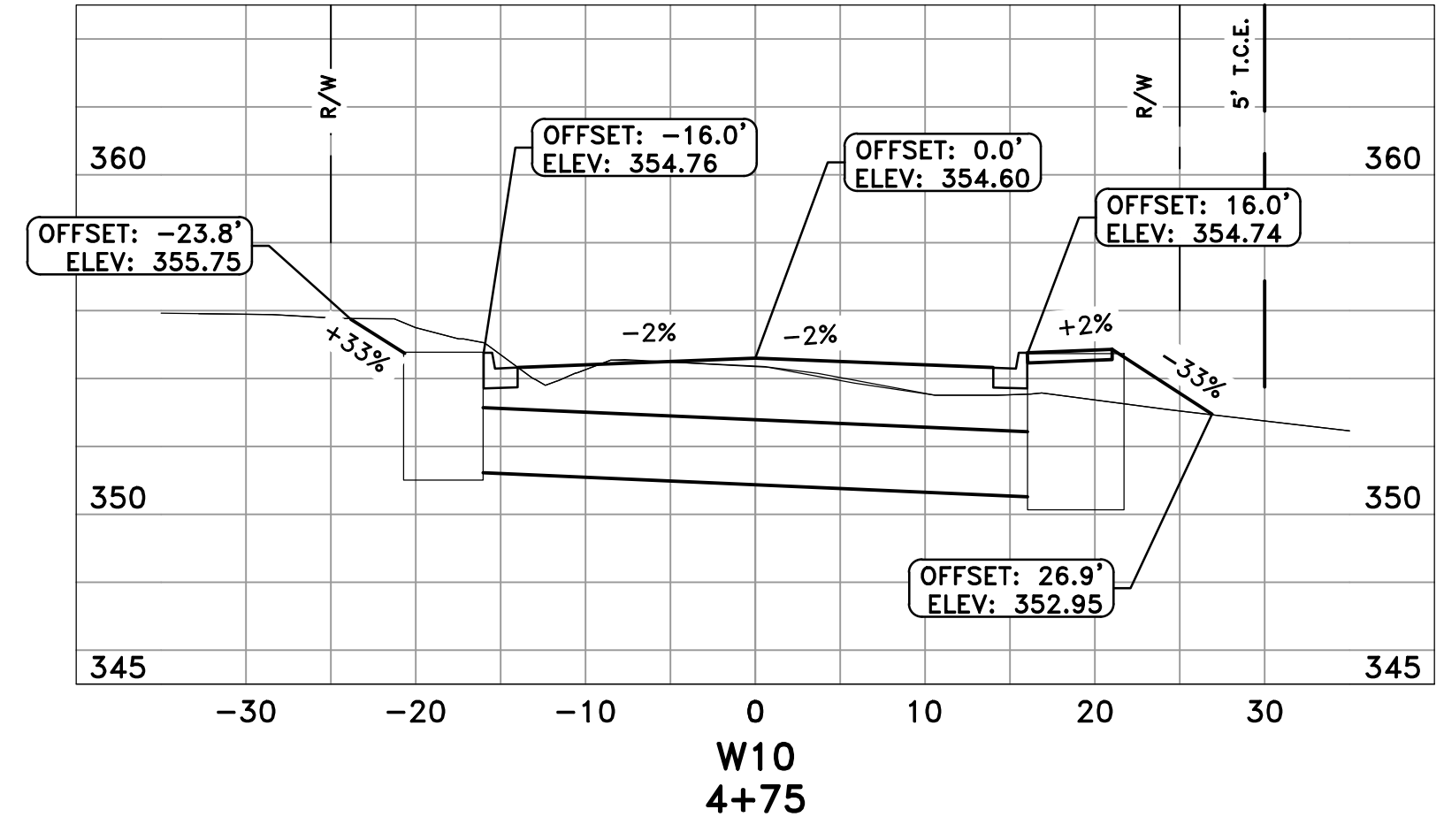
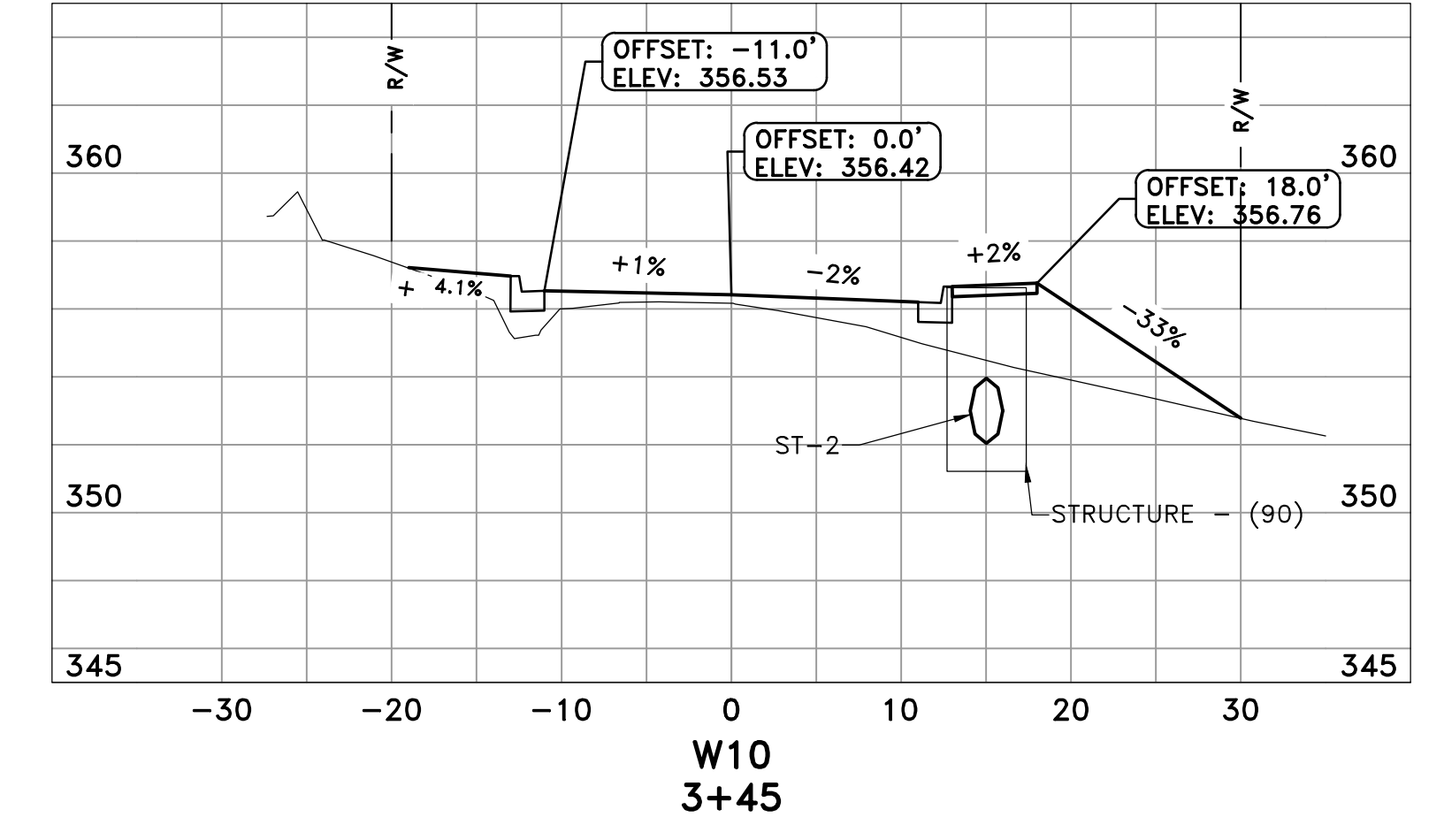
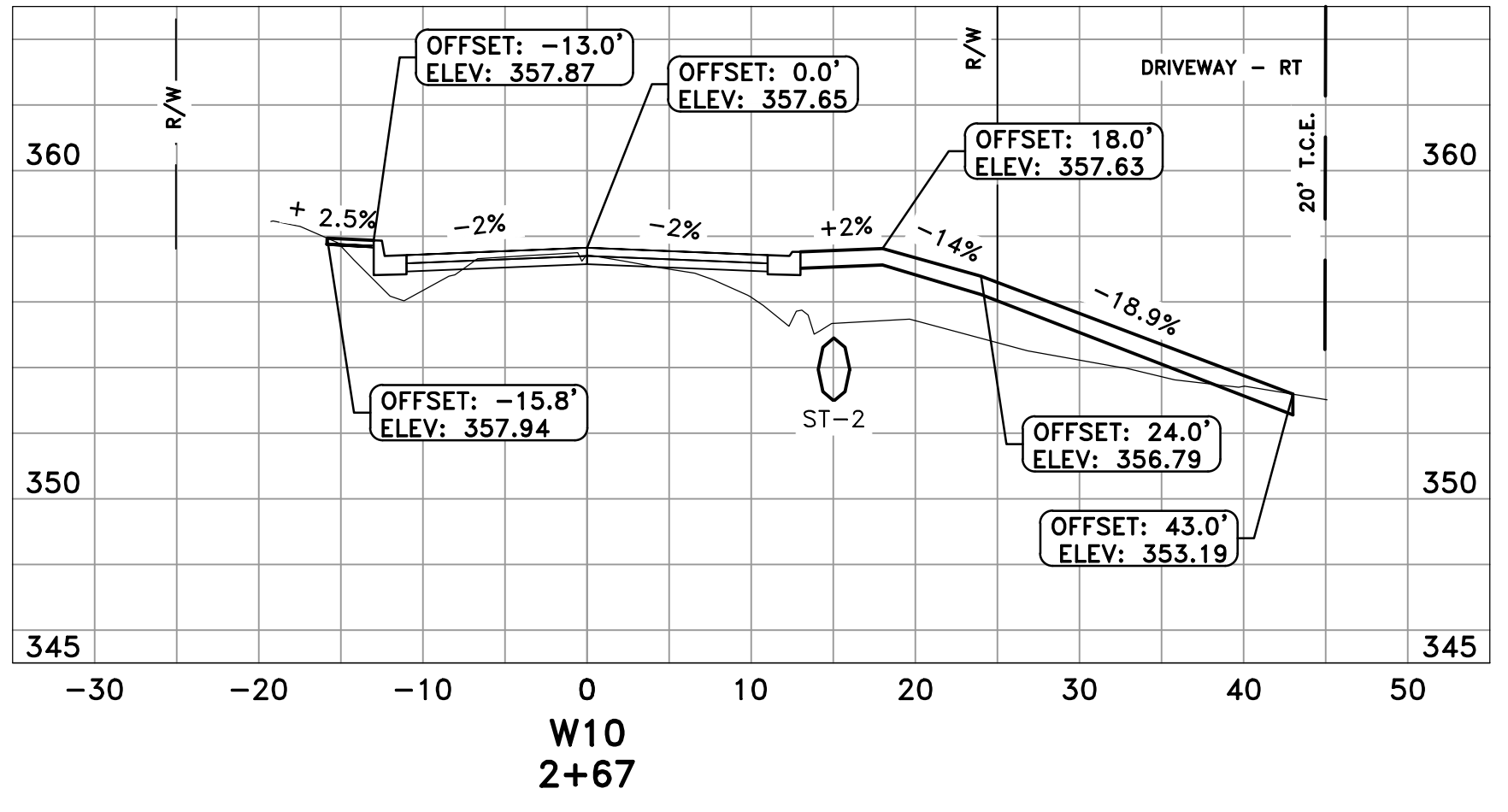
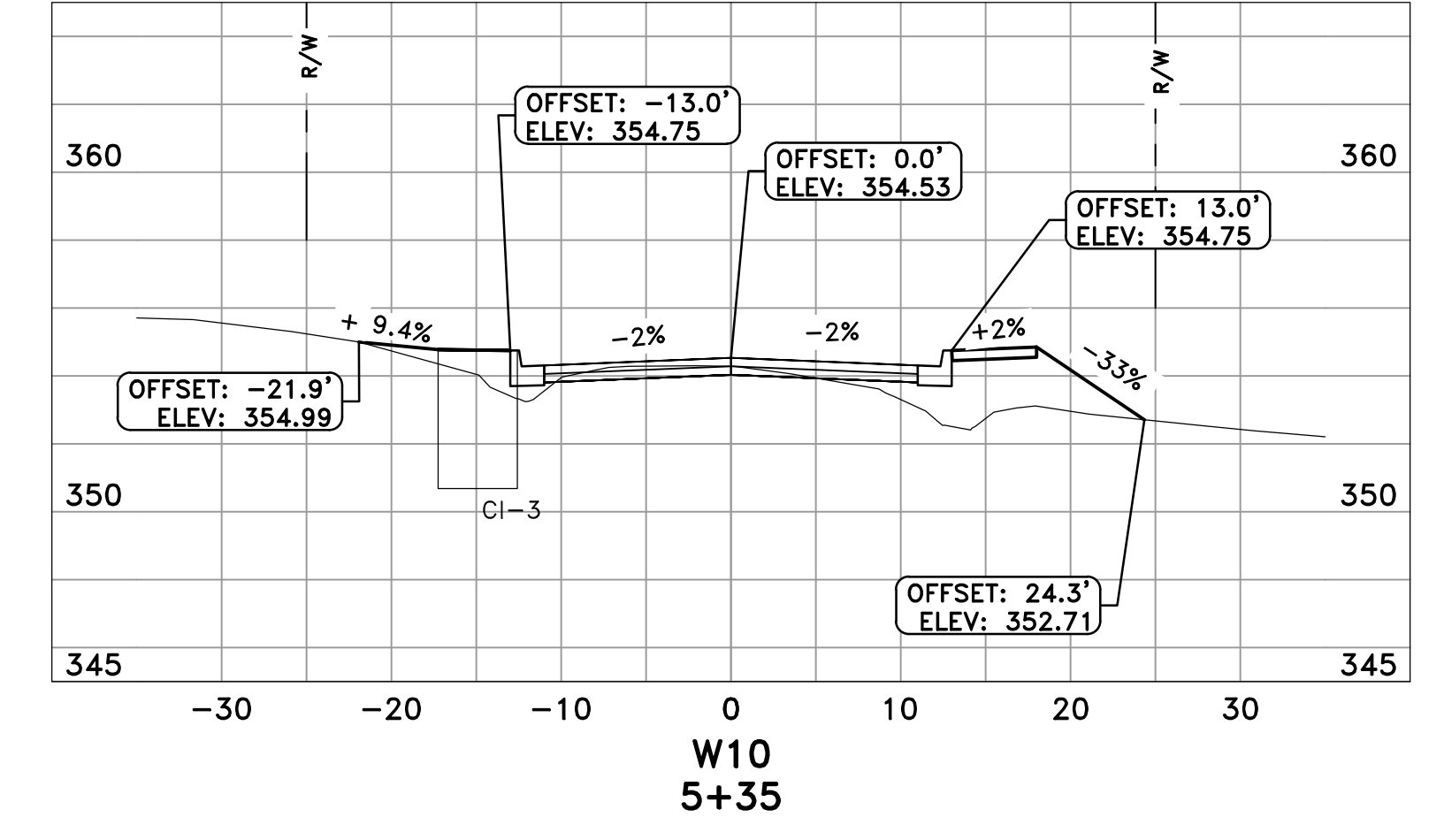
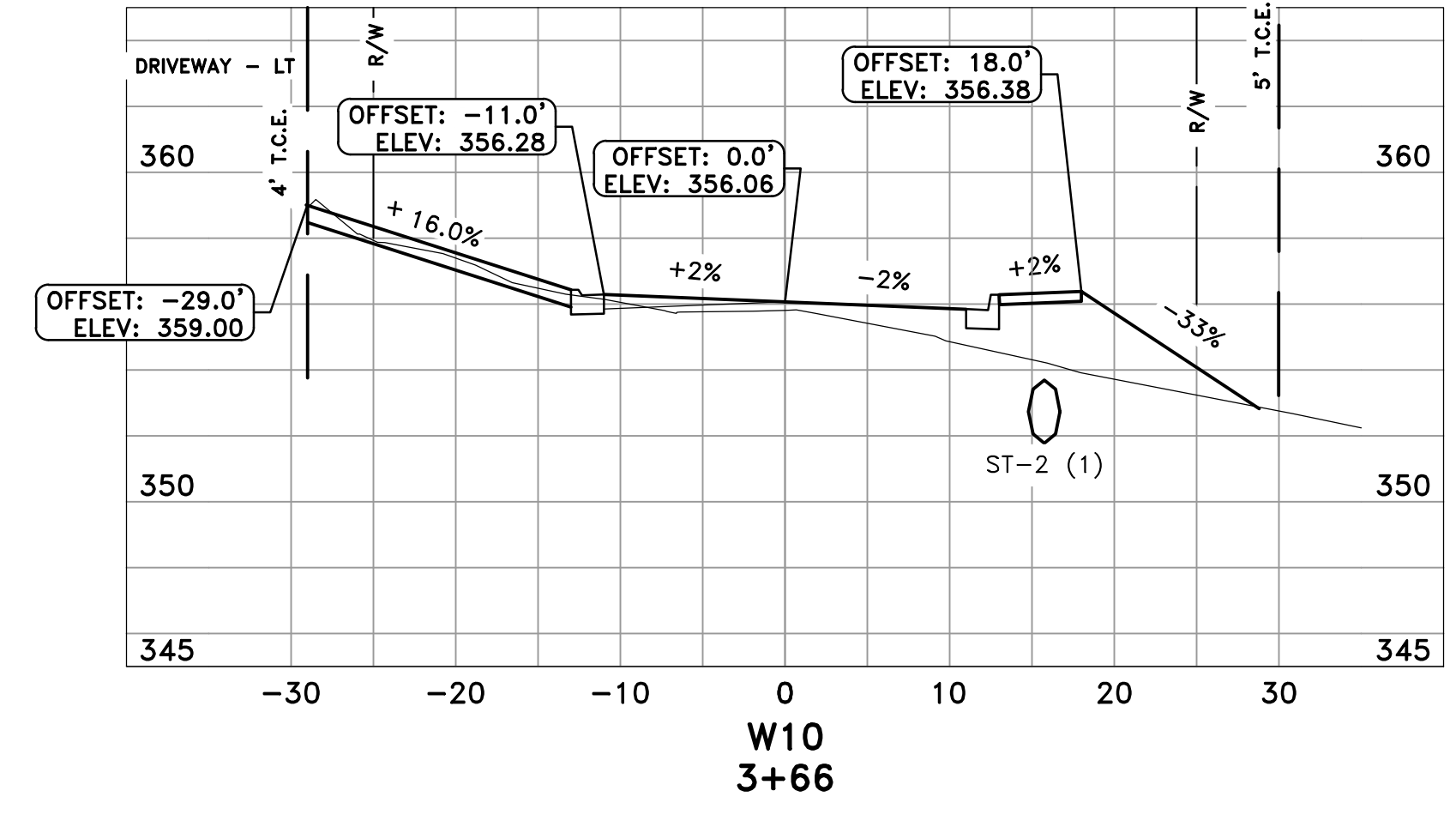
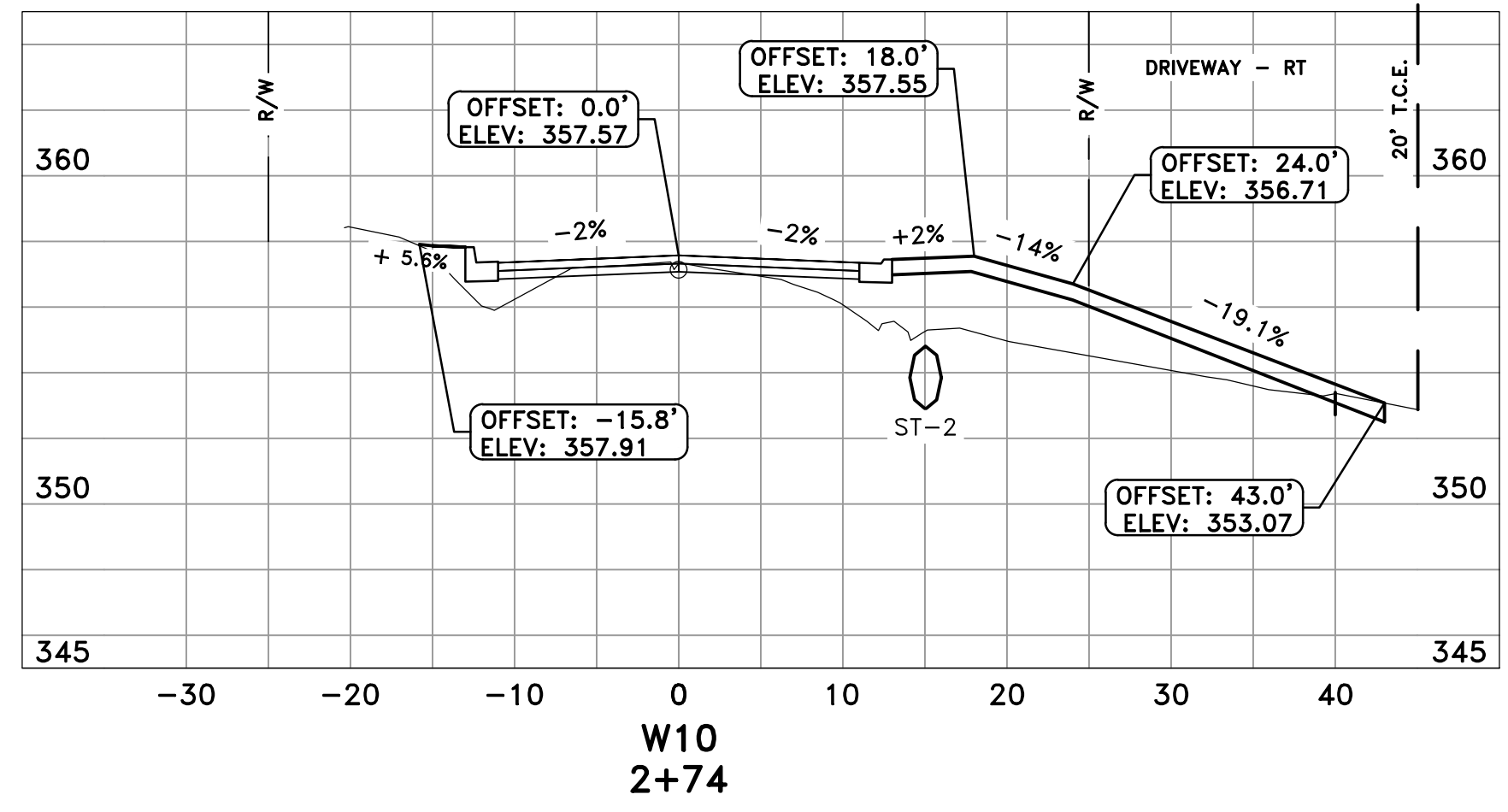
CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION
 PLAN & PROFILE - STA 6+50 TO 11+90

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



DRAWN BY
 ATV
DESIGNED
 NHC & ATV
CHECKED
 VJW
DATE
 09-20-2019
SCALE
 1"=20' (22X34)
PROJECT NO.
 02-17-ST-82
SHEET NO.
 C5

REVISIONS	DATE



CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION

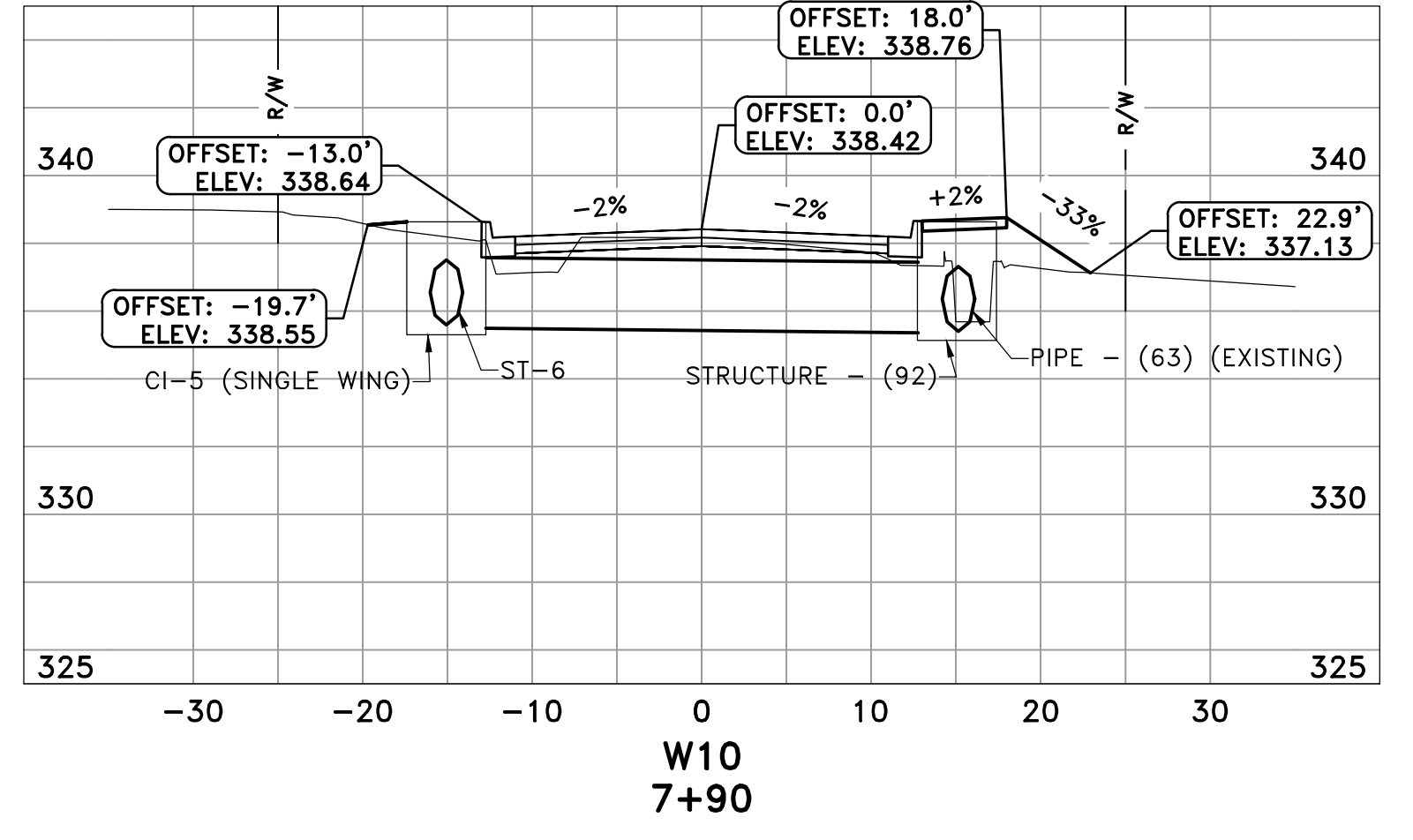
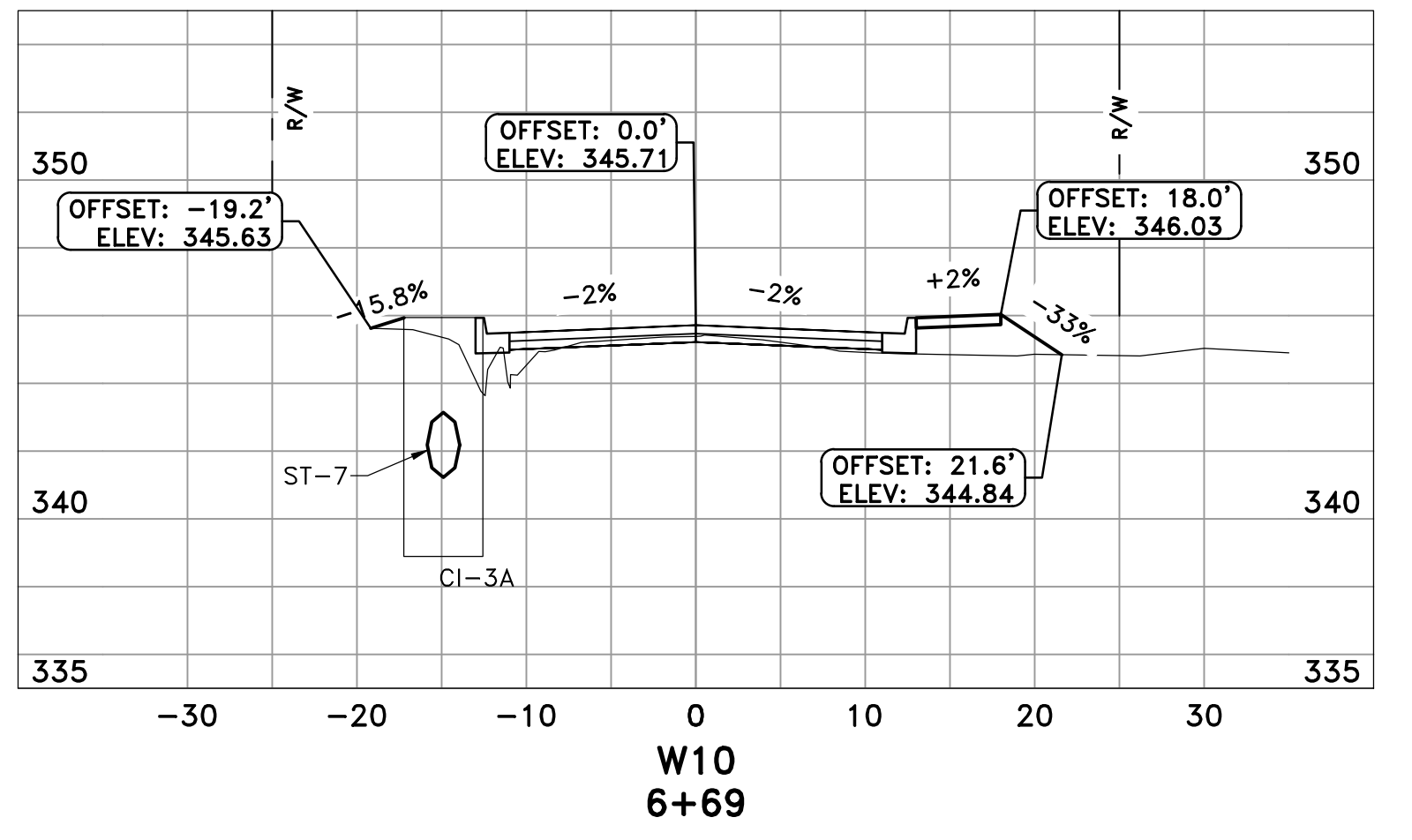
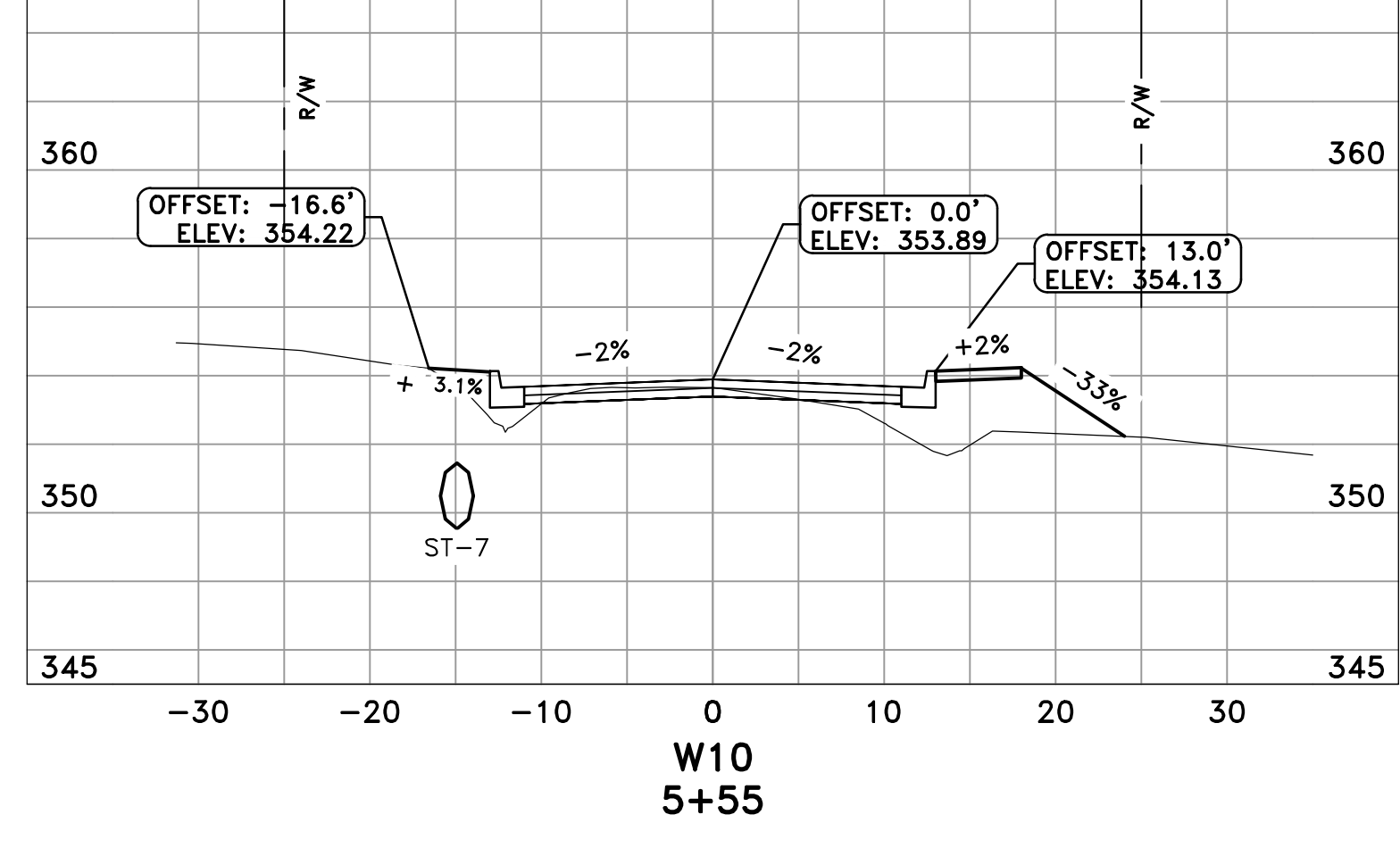
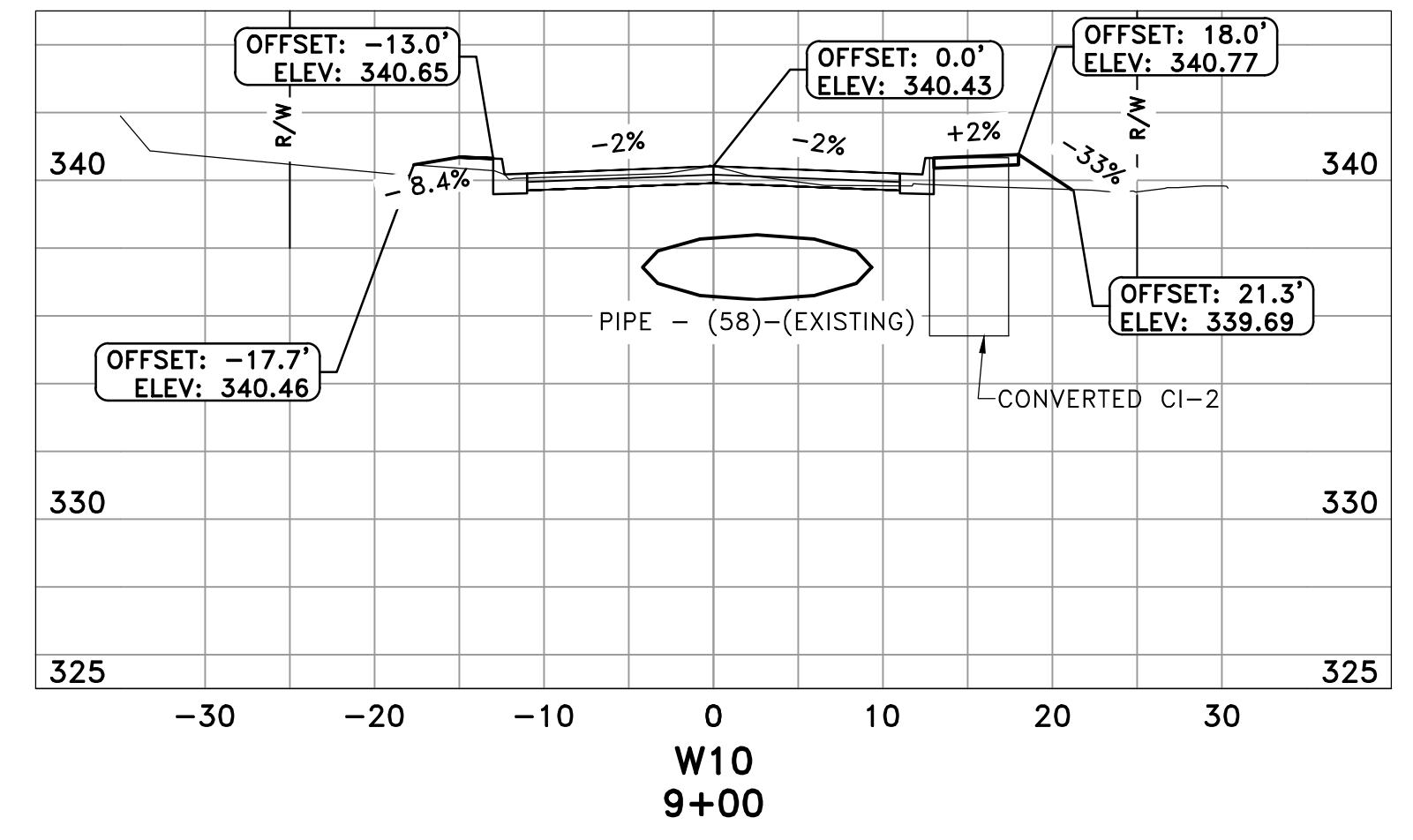
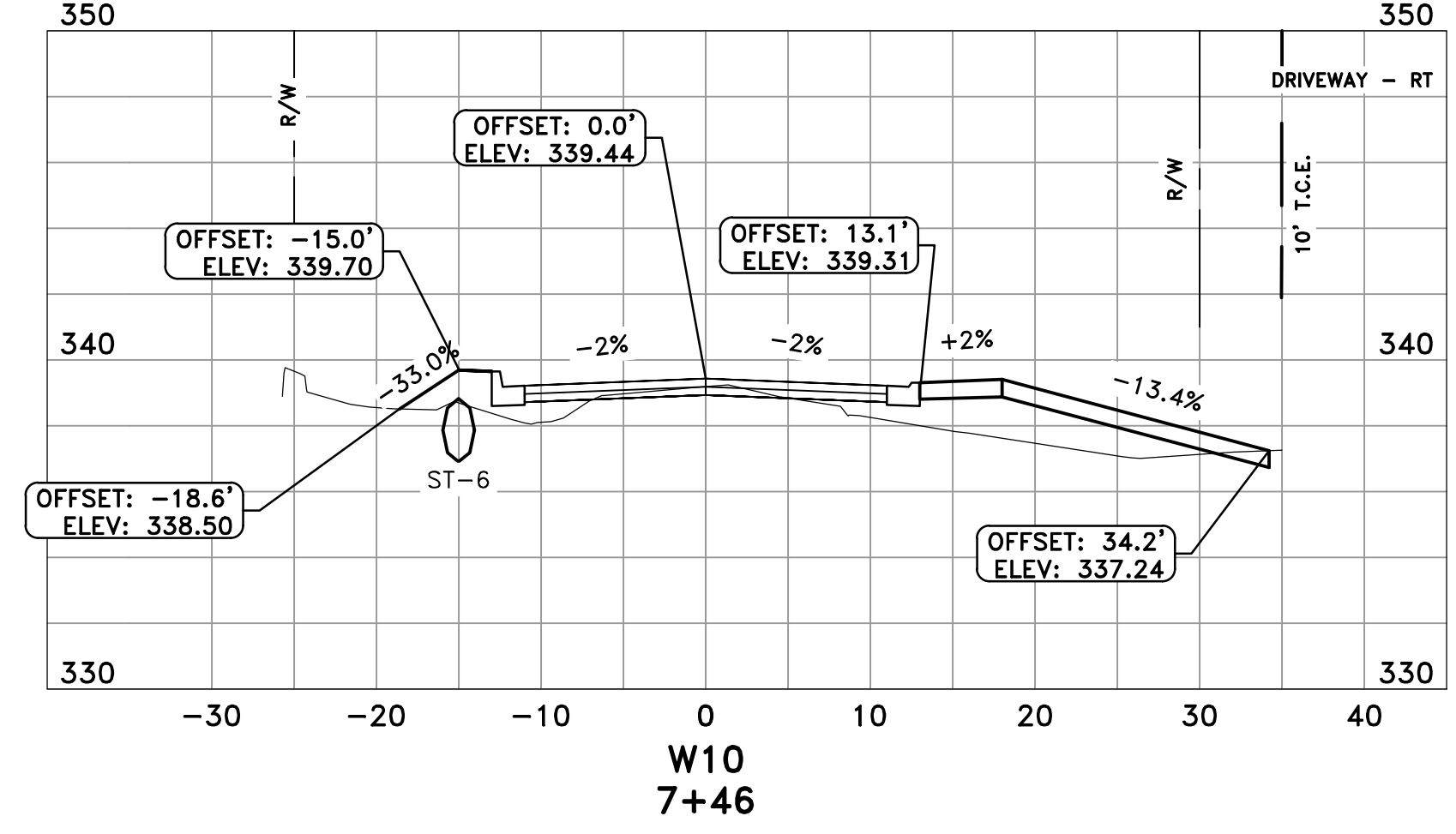
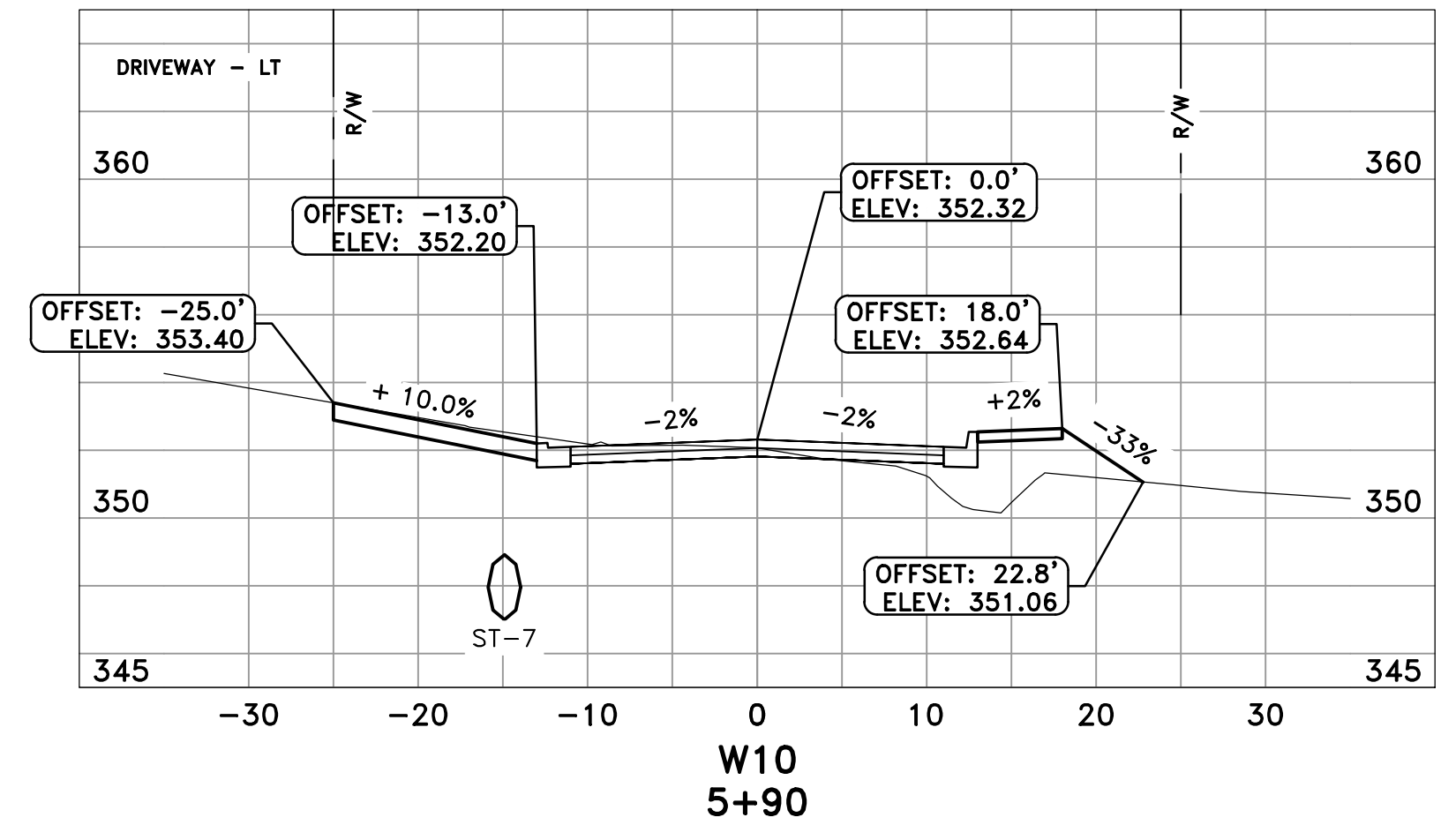
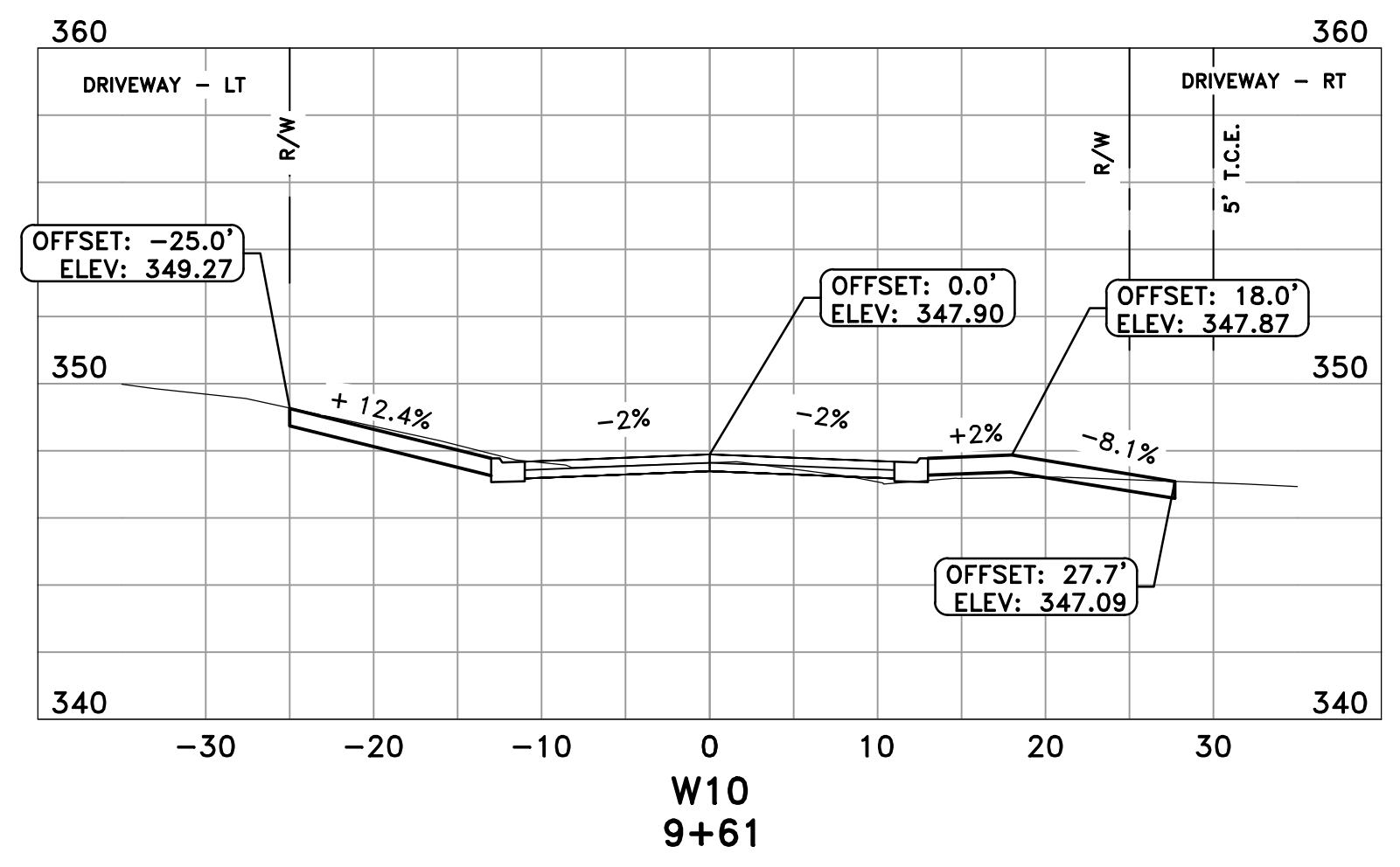
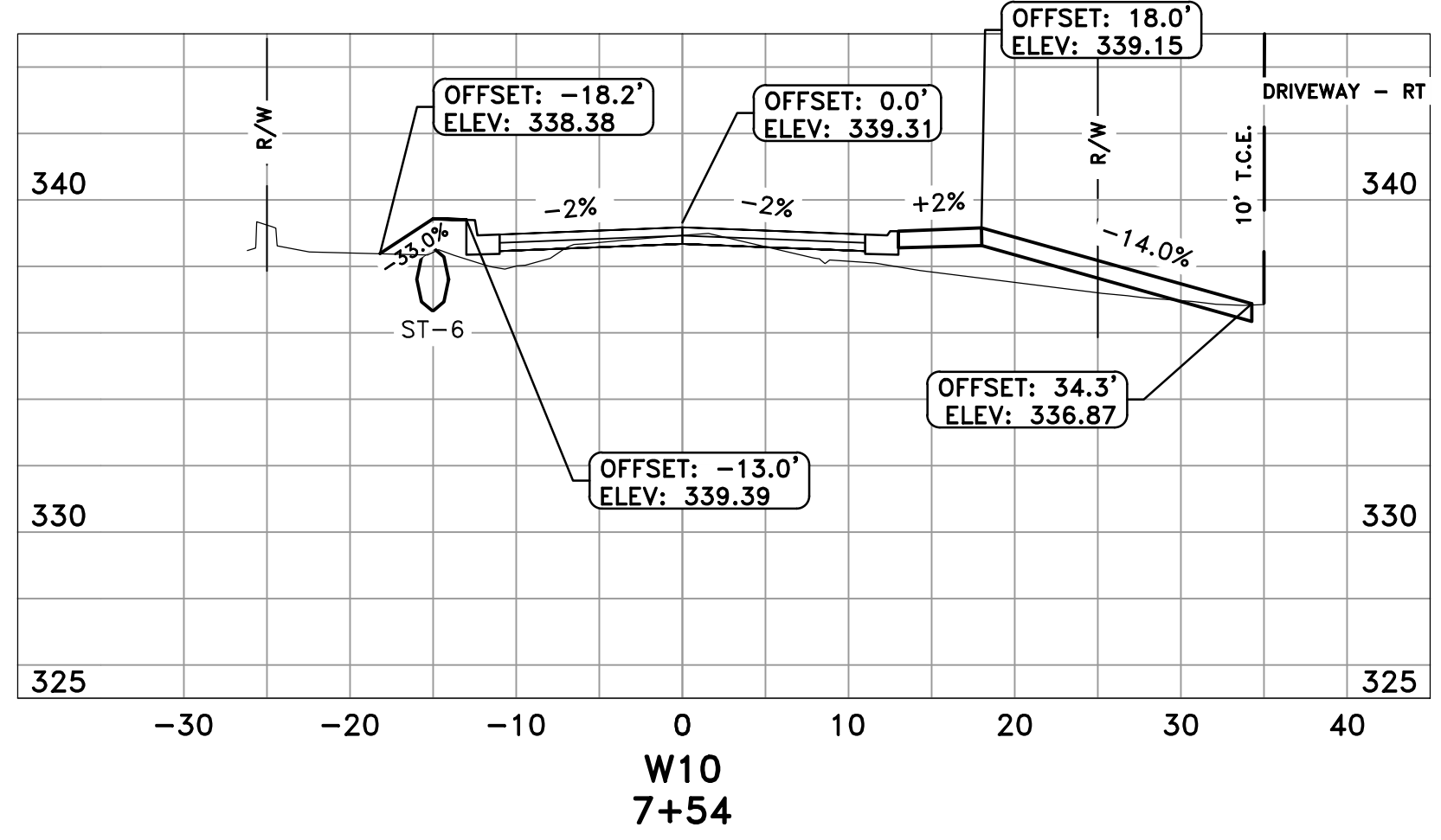
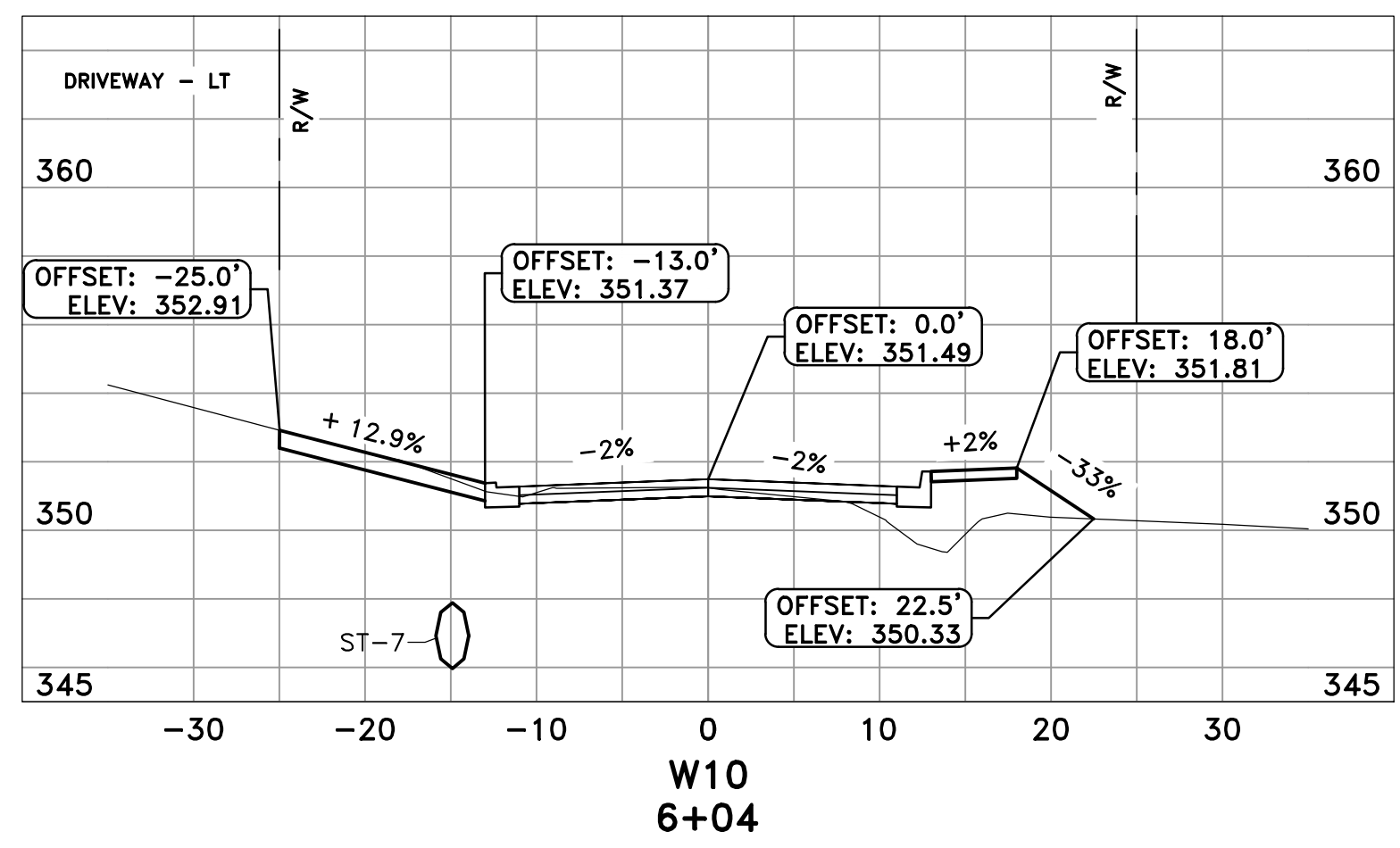
CROSS SECTIONS - I

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



DRAWN BY
ATV
DESIGNED
NHC & VJW
CHECKED
VJW
DATE
09-20-2019
SCALE
1"=10' HZ : 1"=5' VT
PROJECT NO.
02-17-ST-82
SHEET NO.
C6

REVISIONS	DATE

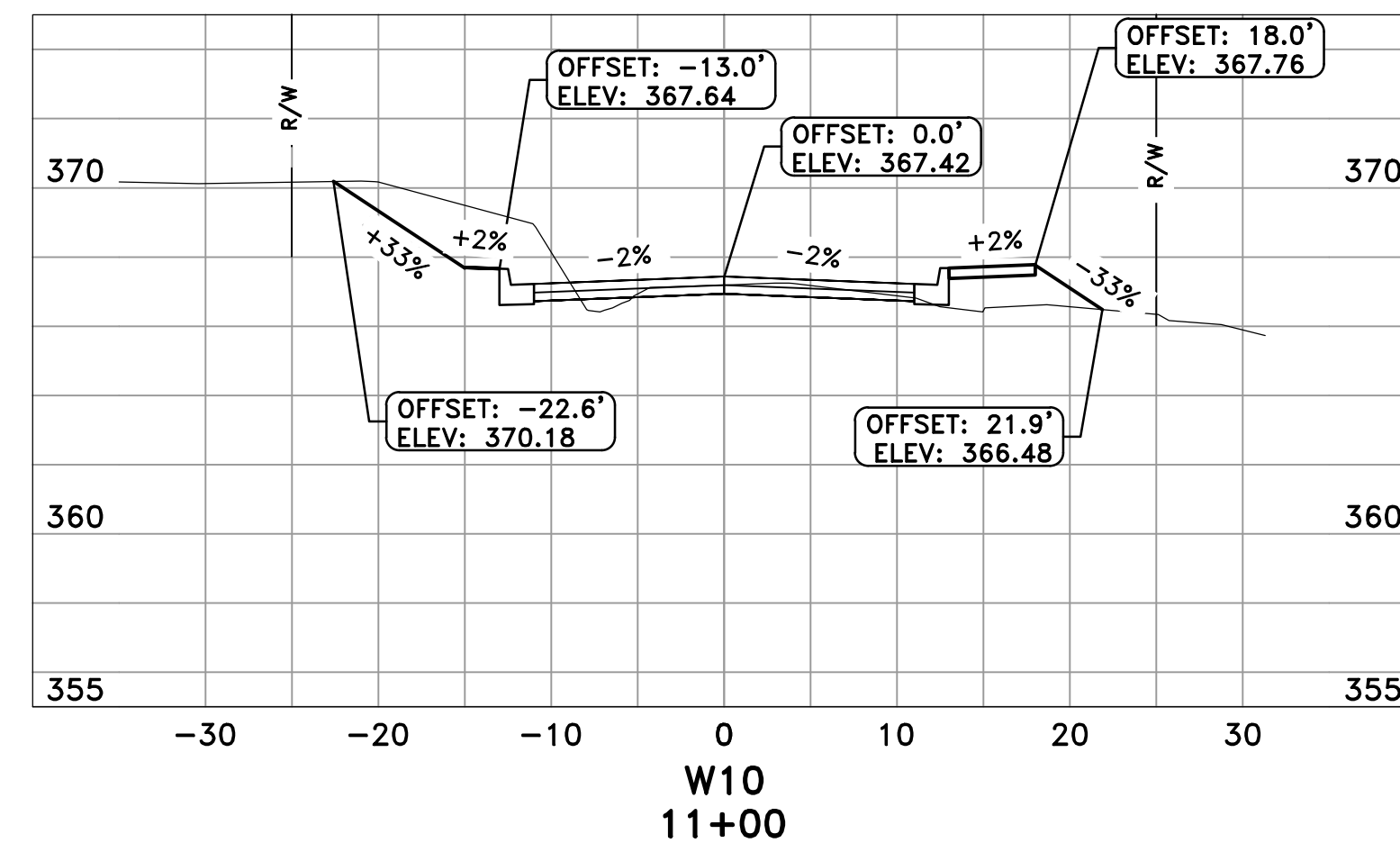
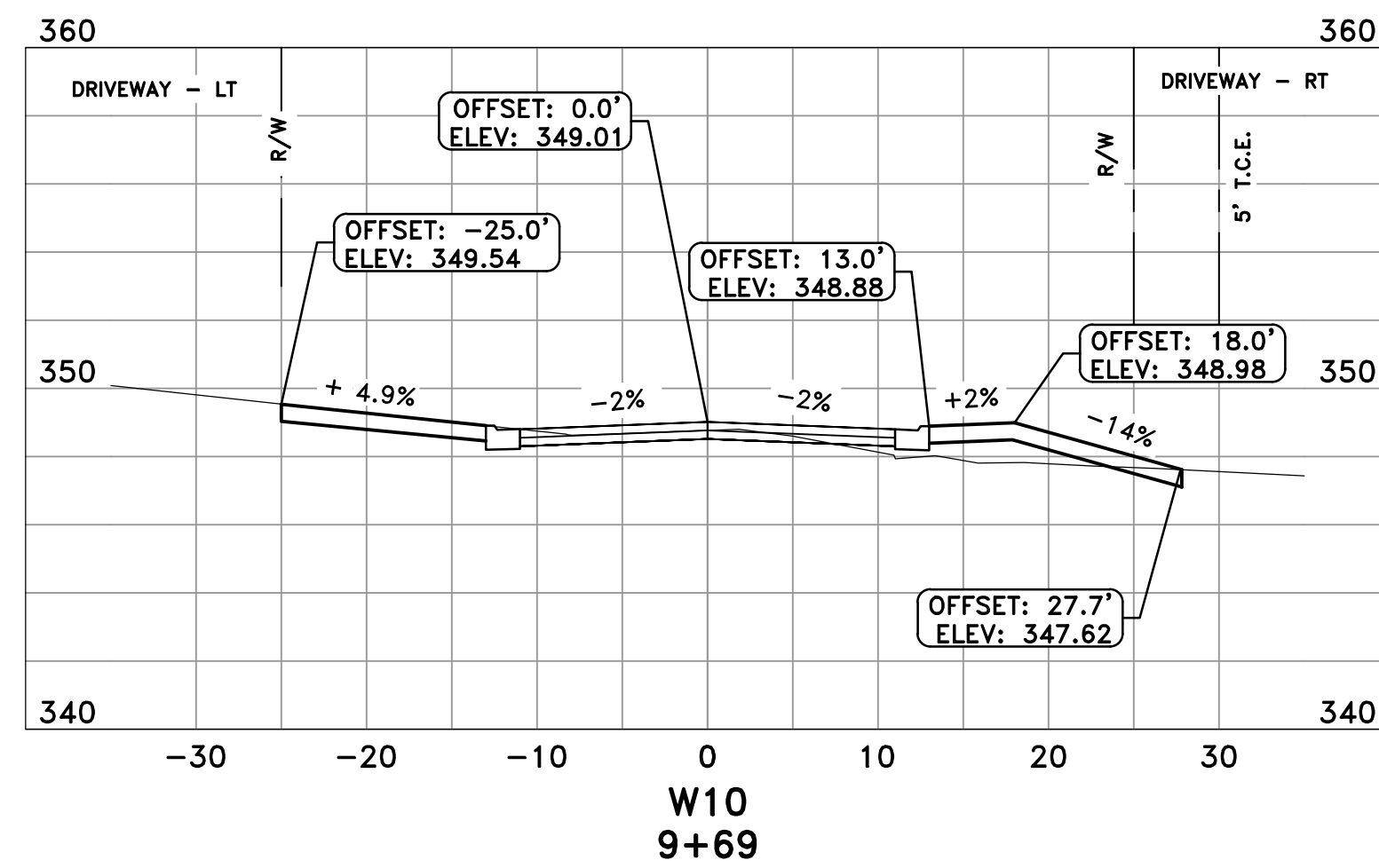
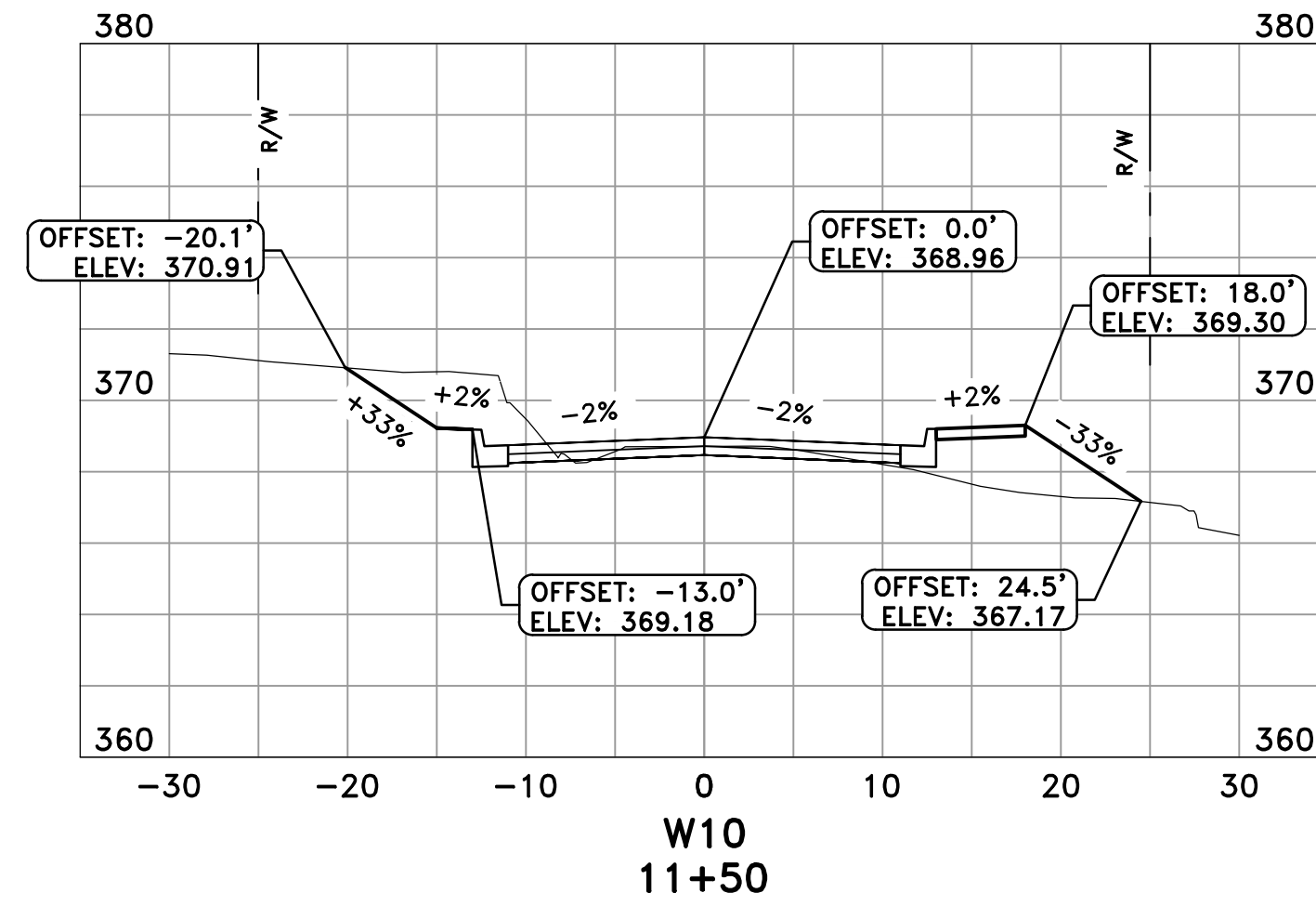
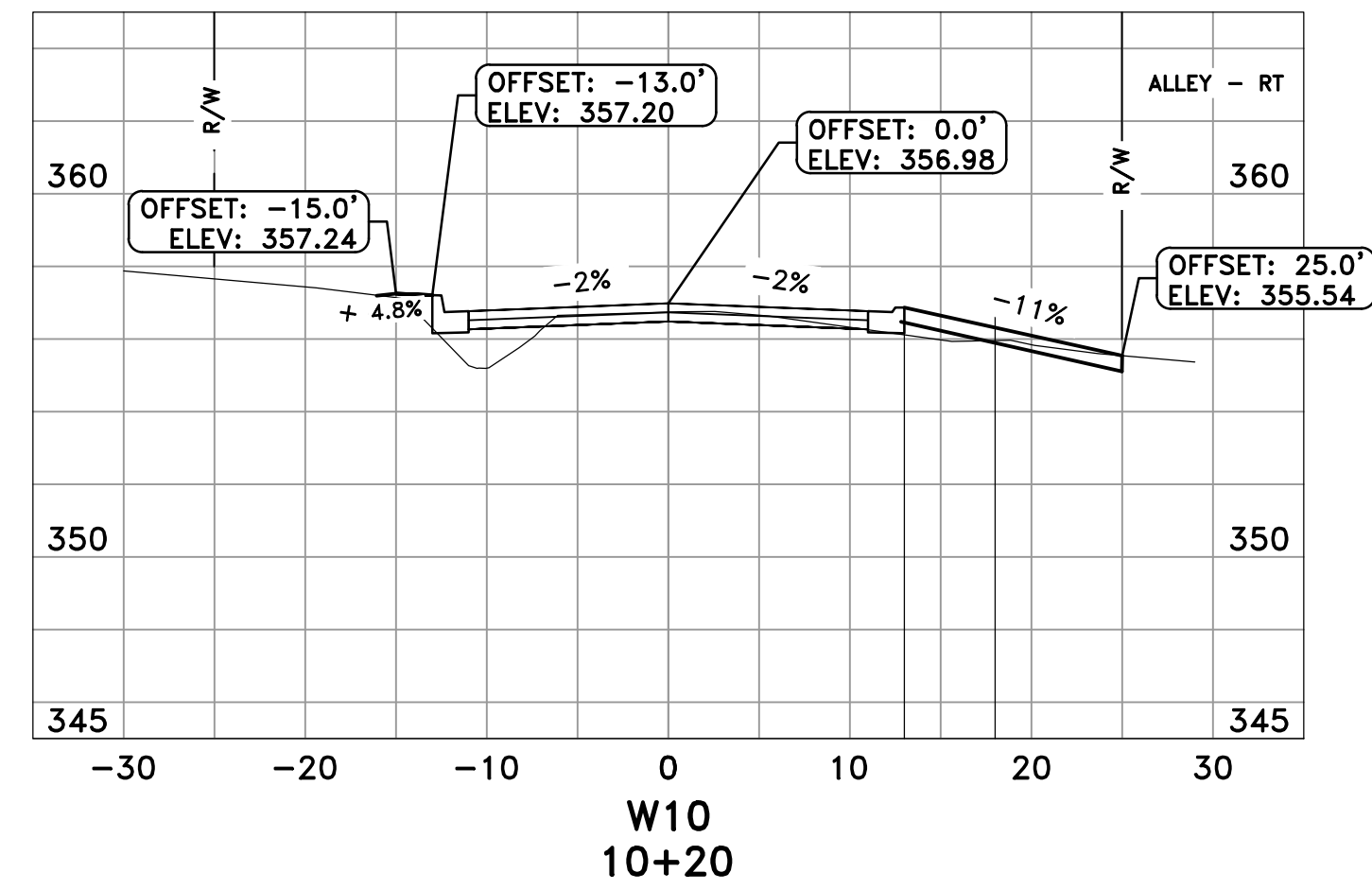
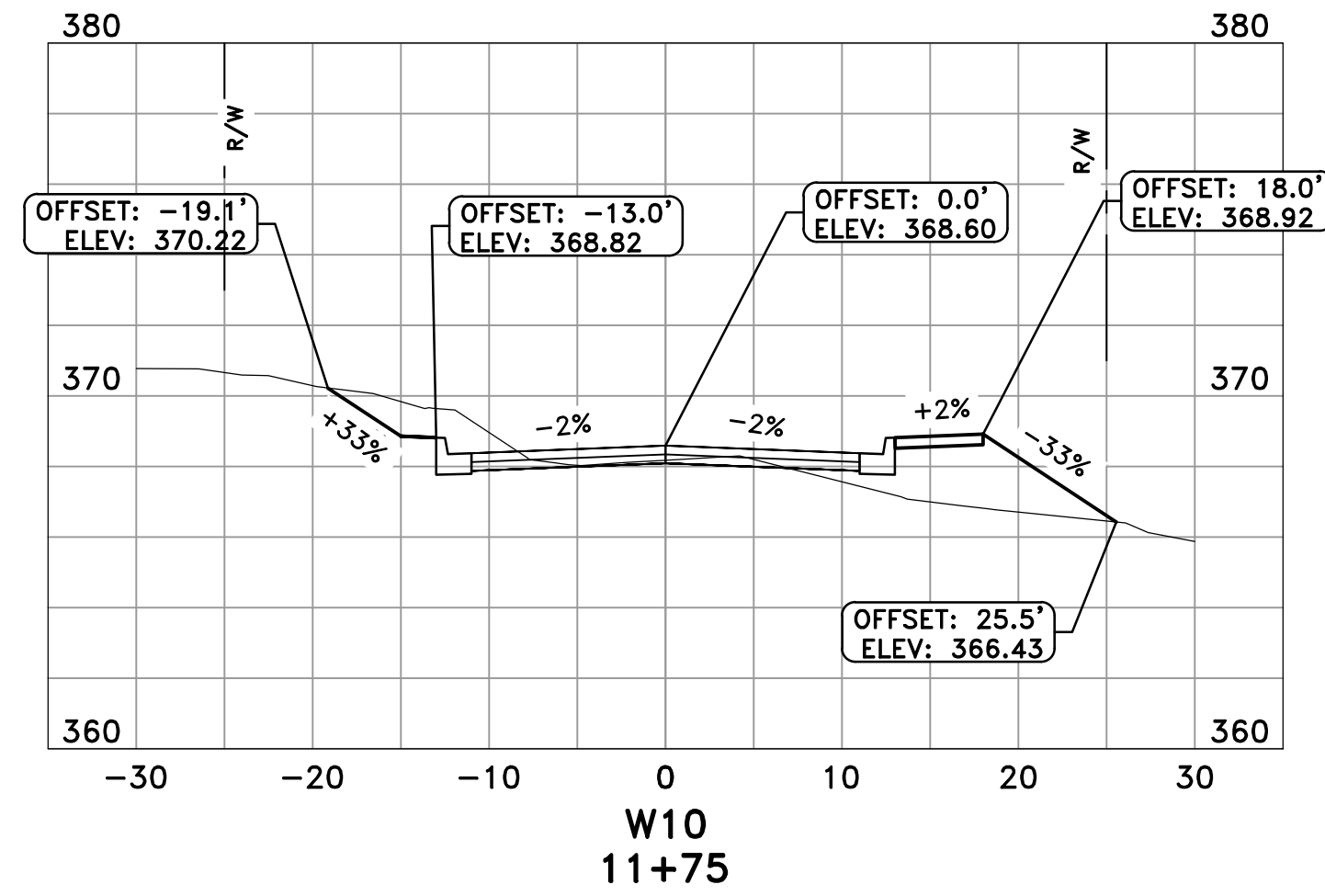
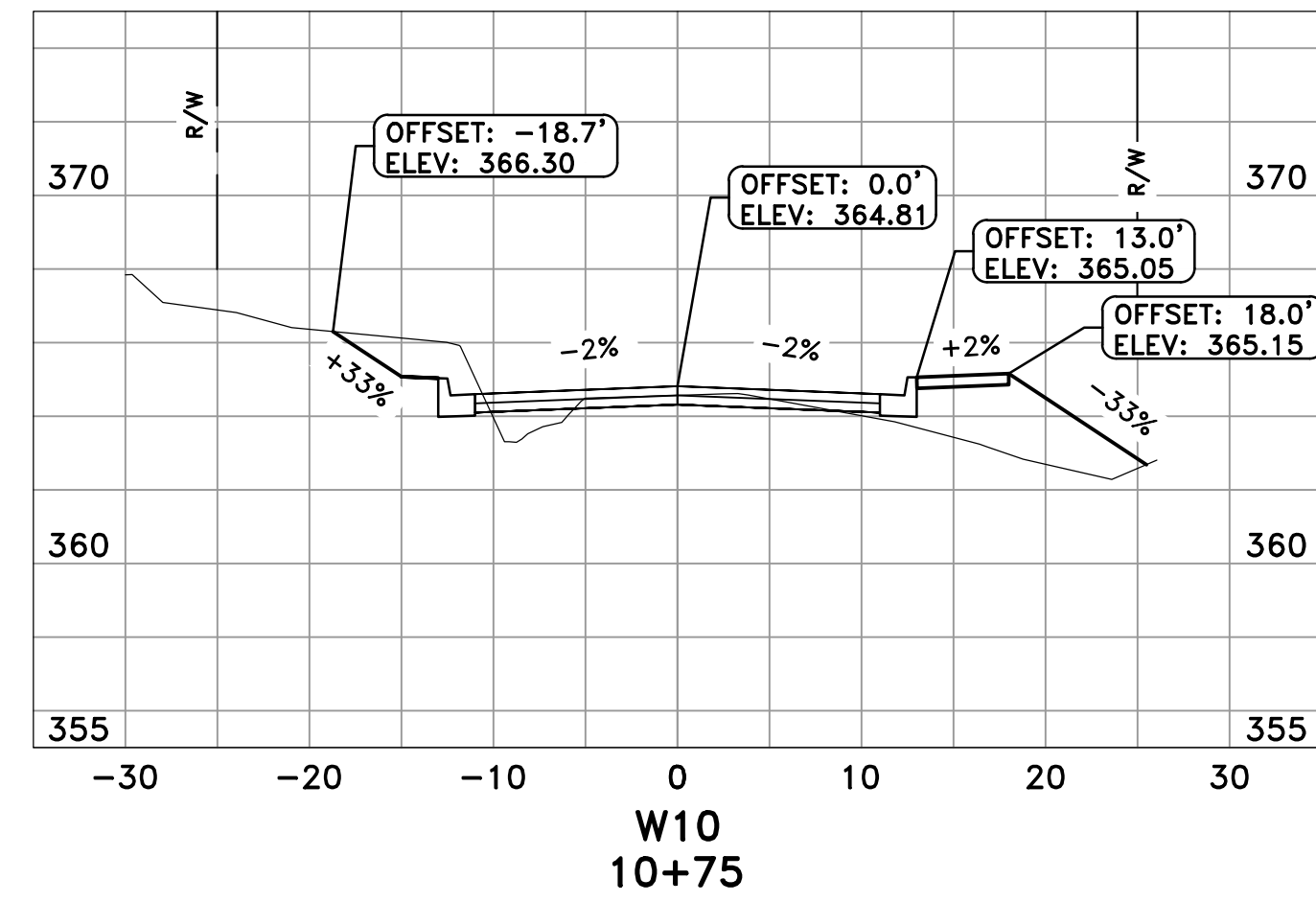


CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION
CROSS SECTIONS - II

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



DRAWN BY
ATV
DESIGNED
NHC & VJW
CHECKED
VJW
DATE
09-20-2019
SCALE
1"=10' HZ : 1"=5' VT
PROJECT NO.
02-17-ST-82
SHEET NO.
C7



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION
CROSS SECTIONS - III

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

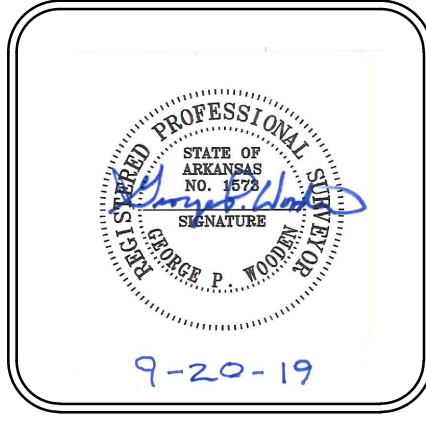


DRAWN BY
ATV
DESIGNED
NHC & VJW
CHECKED
VJW
DATE
09-20-2019
SCALE
1"=10' HZ : 1"=5' VT
PROJECT NO.
02-17-ST-82
SHEET NO.
C8

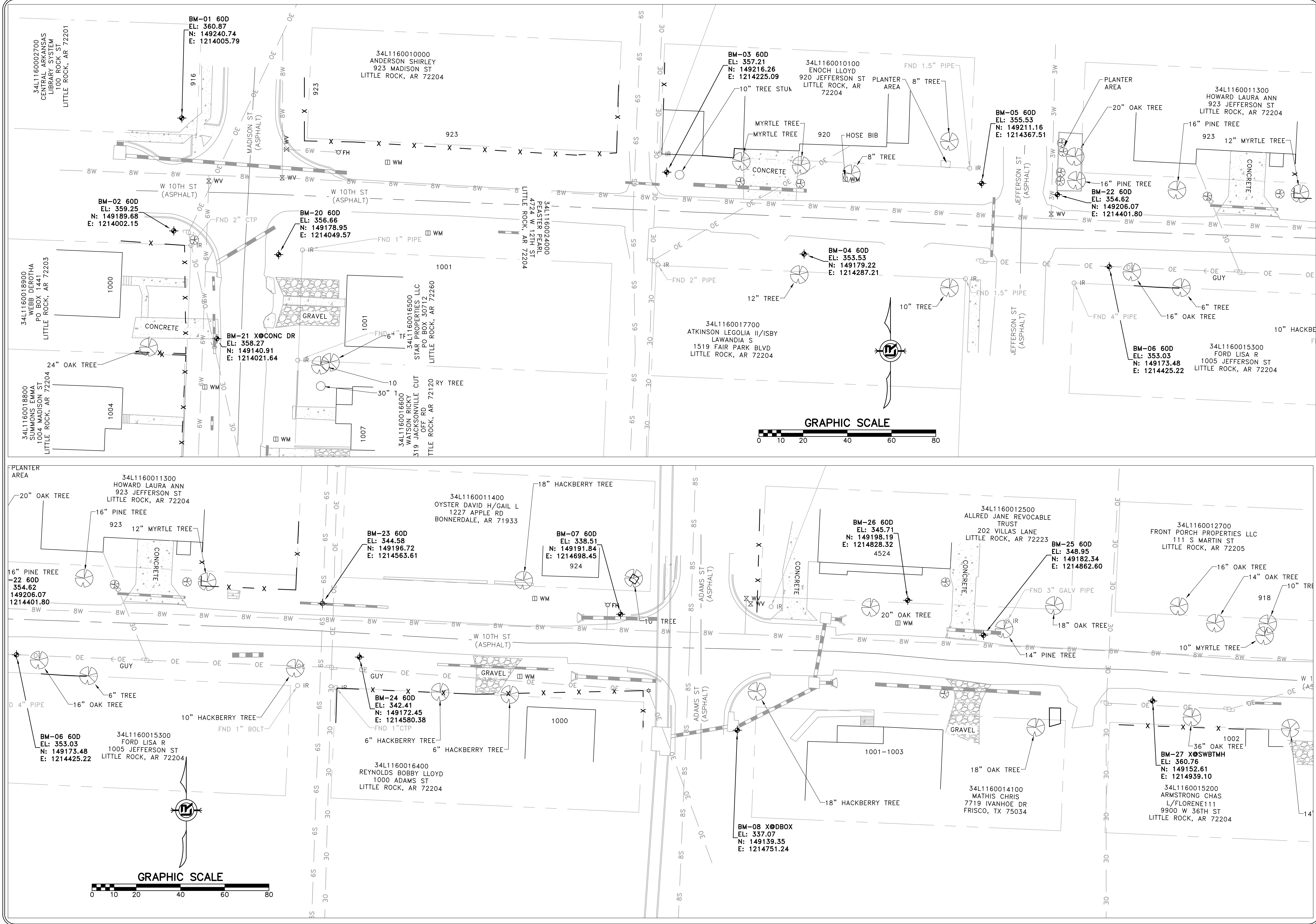
REVISIONS	DATE

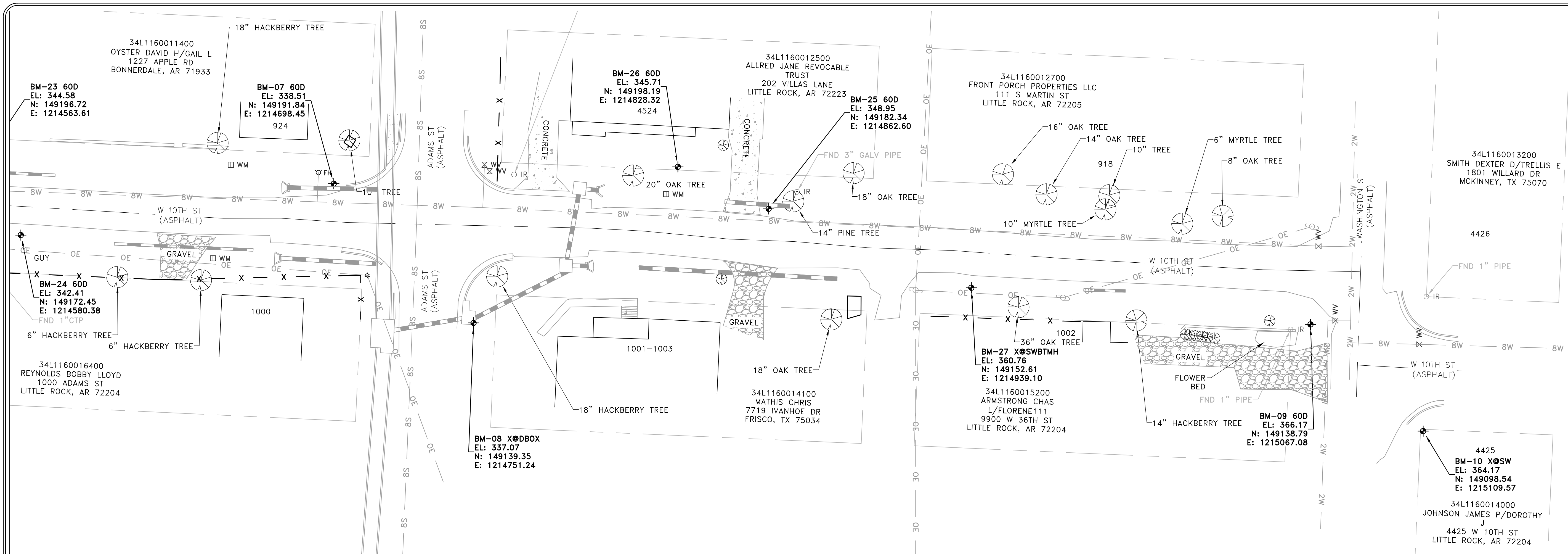
CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION
SURVEY CONTROL PLAN - I

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



DRAWN BY
 GPW
DESIGNED
 VJW & NHC
CHECKED
 VJW
DATE
 09-20-2019
SCALE
 1"=20' (22X34)
PROJECT NO.
 02-17-ST-82
SHEET NO.
 C9





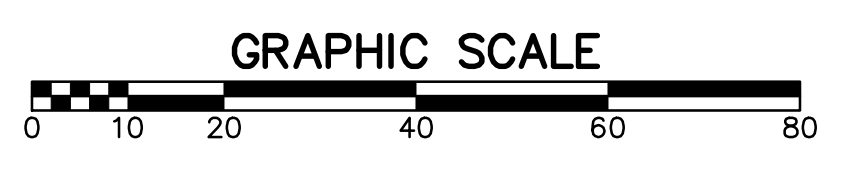
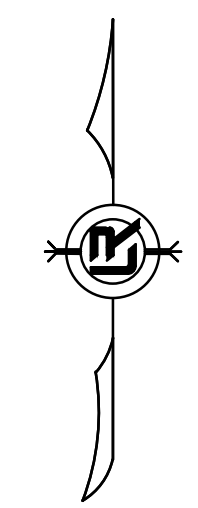
REVISIONS	DATE

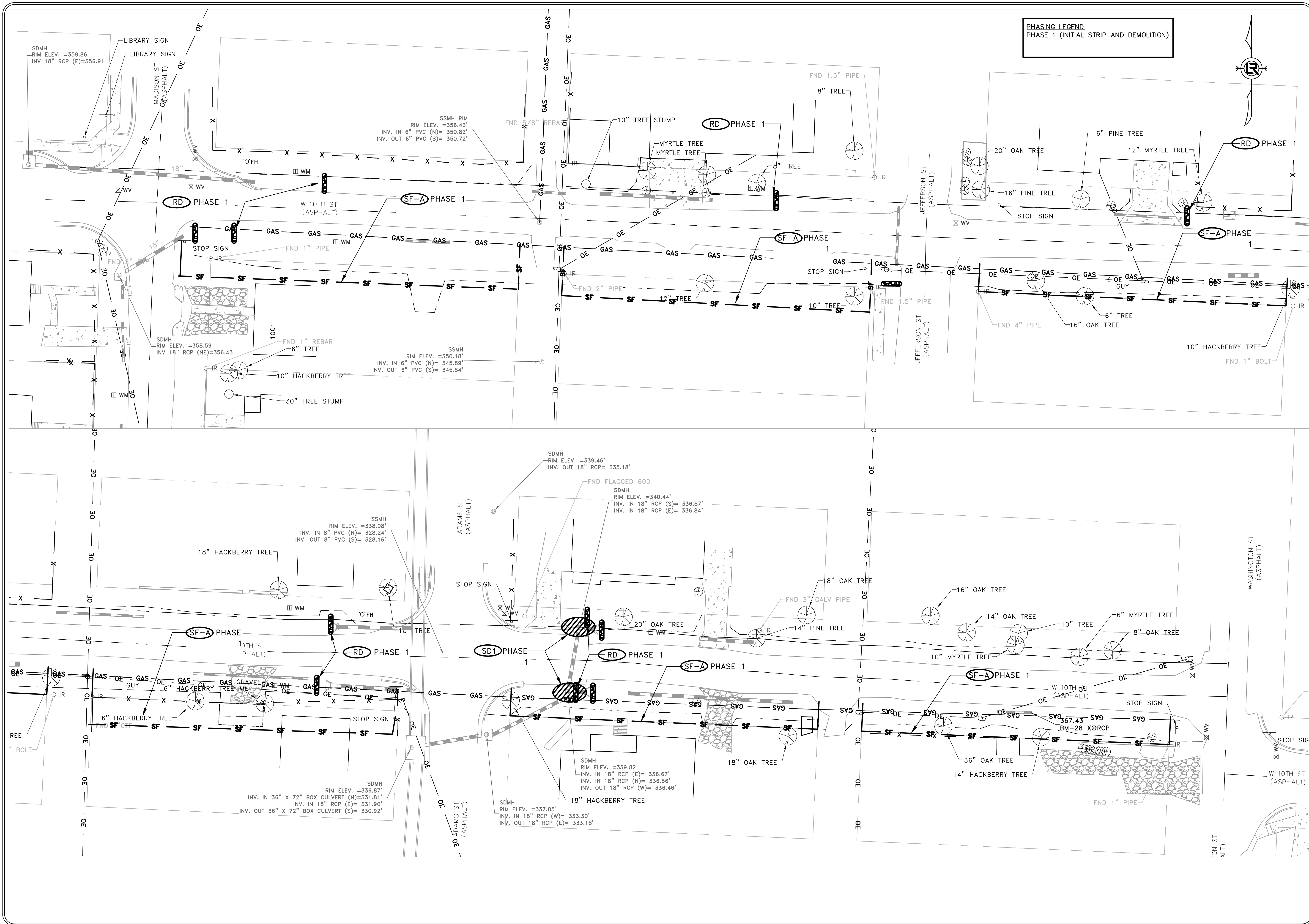
CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION
SURVEY CONTROL PLAN - II

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

PROFESSIONAL
 STATE OF ARKANSAS
 NO. 1679
 SIGNATURE
 GEORGE P. WOODRUFF
 9-20-19

DRAWN BY
 GPW
 DESIGNED
 VJW & NHC
 CHECKED
 VJW
 DATE
 07-03-2019
 SCALE
 1"=20' (22X34)
 PROJECT NO.
 02-17-ST-82
 SHEET NO.
C10



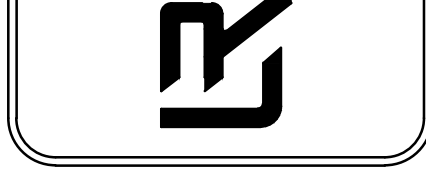


PHASING LEGEND
 PHASE 1 (INITIAL STRIP AND DEMOLITION)

REVISIONS	DATE

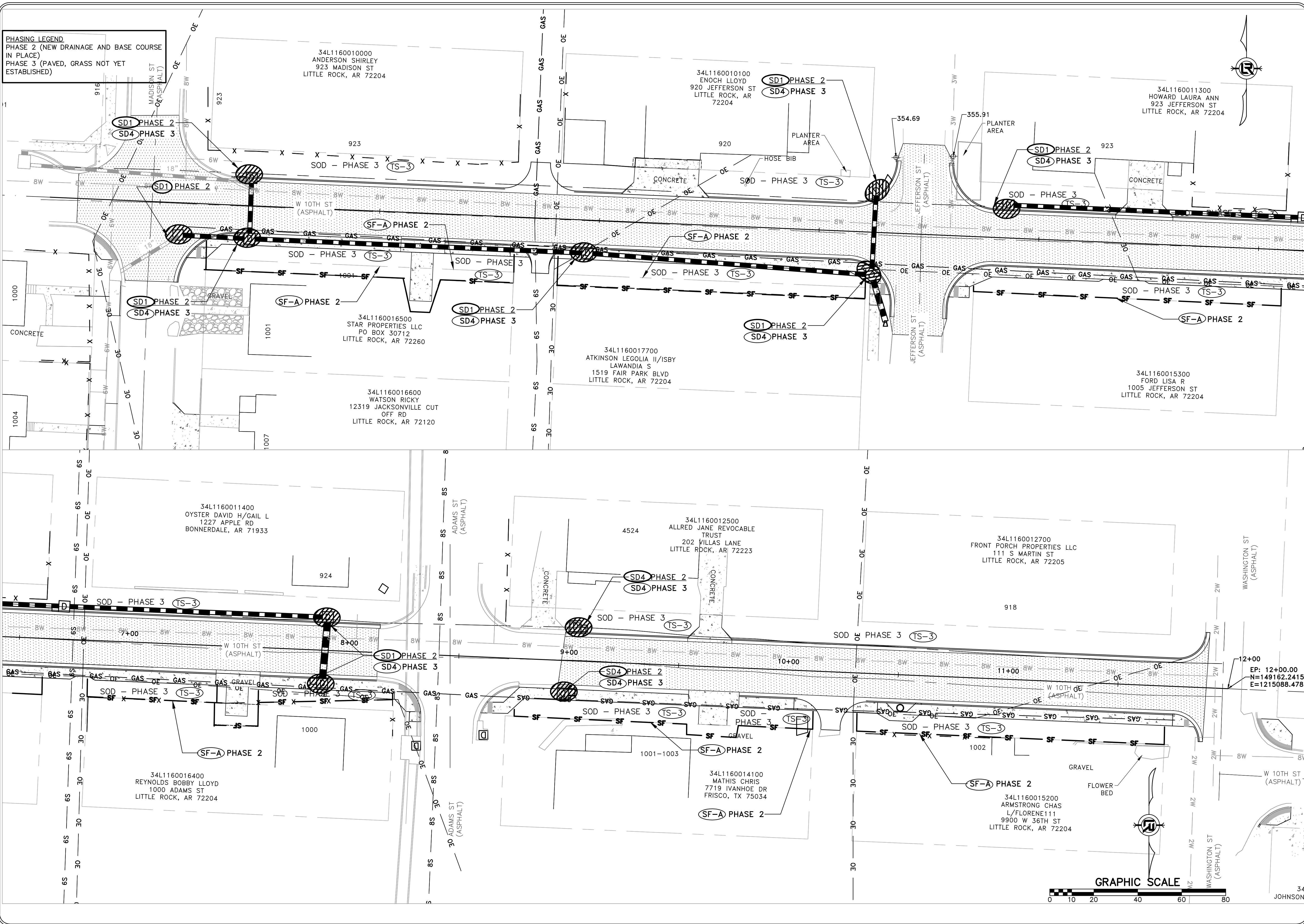
CITY OF LITTLE ROCK, ARKANSAS
 W-10TH STREET RECONSTRUCTION
 EROSION CONTROL PLAN- PHASE I

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



DRAWN BY
 ATV
 DESIGNED
 NHC & VJW
 CHECKED
 VJW
 DATE
 09-20-2019
 SCALE
 1"=20' (22X34)
 PROJECT NO.
 02-17-ST-82
 SHEET NO.
 C11

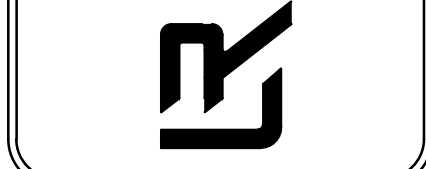
PHASING LEGEND
 PHASE 2 (NEW DRAINAGE AND BASE COURSE IN PLACE)
 PHASE 3 (PAVED, GRASS NOT YET ESTABLISHED)



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION
EROSION CONTROL PLAN- PHASE II & III

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



DRAWN BY
 ATV
DESIGNED
 NHC & VJW
CHECKED
 VJW
DATE
 09-20-2019
SCALE
 1"=20' (22X34)
PROJECT NO.
 02-17-ST-82
SHEET NO.
 C12



EP: 12+00.00
 N=149162.2415
 E=1215088.4786

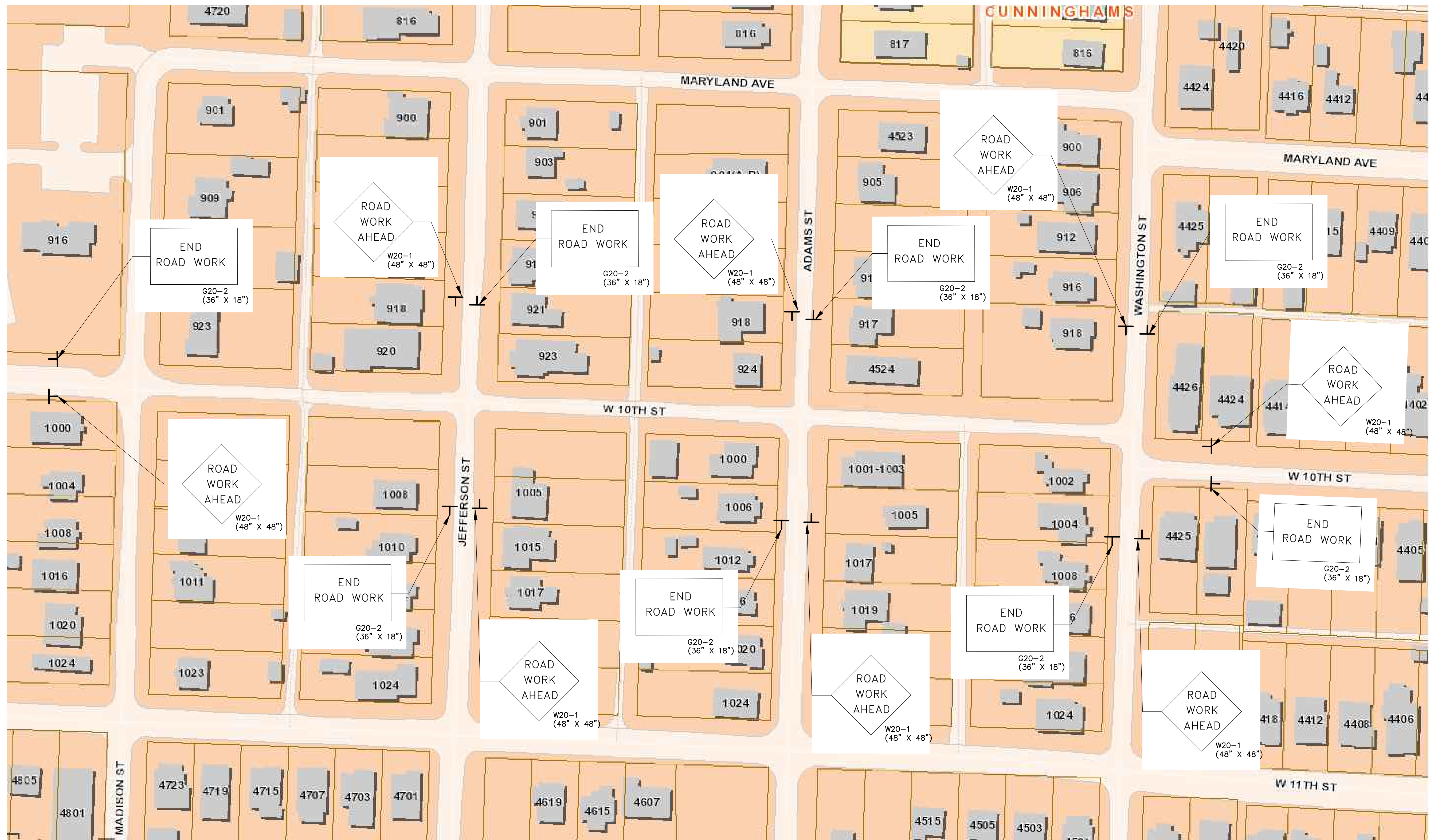
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
W 10TH ST RECONSTRUCTION
MAINTENANCE OF TRAFFIC PLAN

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



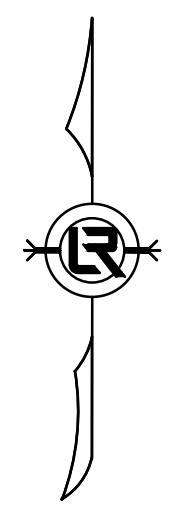
DRAWN BY
ATV
DESIGNED
NHC
CHECKED
VJW
DATE
09-20-2019
SCALE
N.T.S.
PROJECT NO.
02-17-ST-82
SHEET NO.
C13



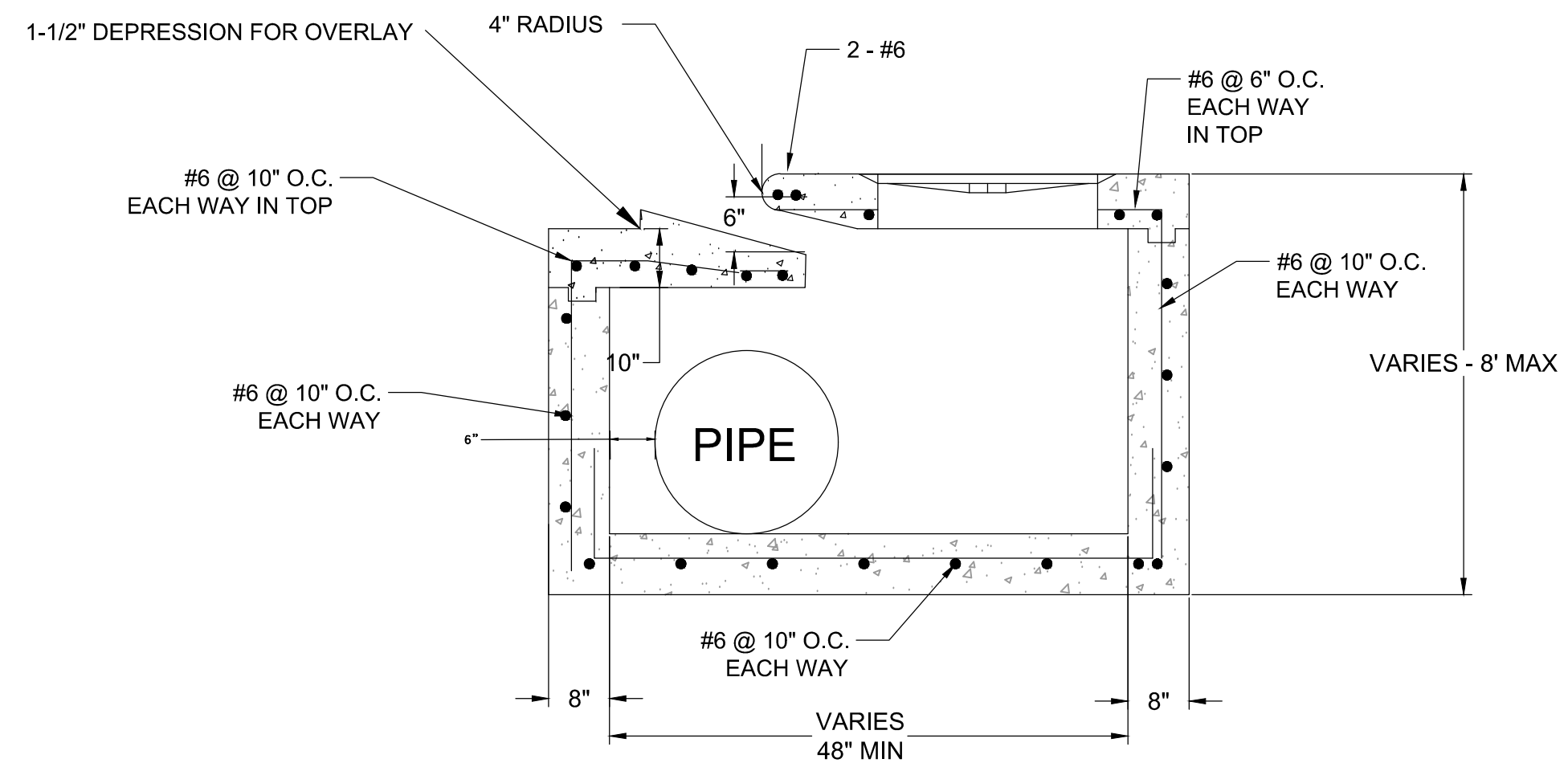
MAINTENANCE OF TRAFFIC NOTES:

WITHIN CONSTRUCTION LIMITS CONTRACTOR SHALL:

1. MAINTAIN CONTINUOUS VEHICULAR ACCESS TO ALL RESIDENCES.
2. PROVIDE, INSTALL, AND MAINTAIN (INCLUDING RELOCATION AS NEEDED) ALL TRAFFIC CONTROL DEVICES.



REVISIONS	DATE



- NOTES:
1. SEE PW1-B FOR THROAT EXTENSION DETAILS.
 2. SEE PW-13 FOR MANHOLE FRAME & COVER.
 3. SEE PW-9 FOR THROAT OPENING DETAIL.
 4. SEE PW-11 FOR WALL KEY DETAIL.
 5. ALL REINFORCING SHALL BE PLACED 1-1/2" CLEAR TO THE INSIDE OF THE STRUCTURE.

OFFSET INLET - TYPE SPECIAL

SCALE: NONE

CITY OF LITTLE ROCK, ARKANSAS
W-10TH STREET RECONSTRUCTION

DRAINAGE DETAIL

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



09-20-2019

DRAWN BY ATV
DESIGNED NHC & VJW
CHECKED VJW
DATE 09-20-2019
SCALE N/A
PROJECT NO. 02-17-ST-82
SHEET NO. C14