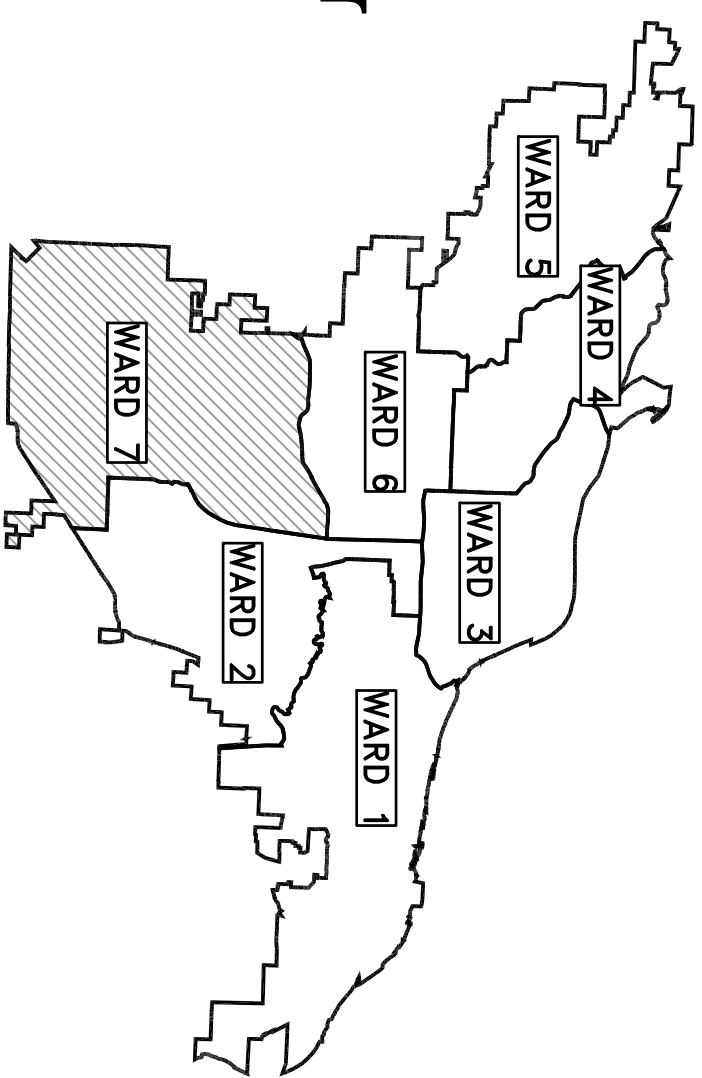


REVISIONS DATE

PROJECT LOCATION – WARD 7

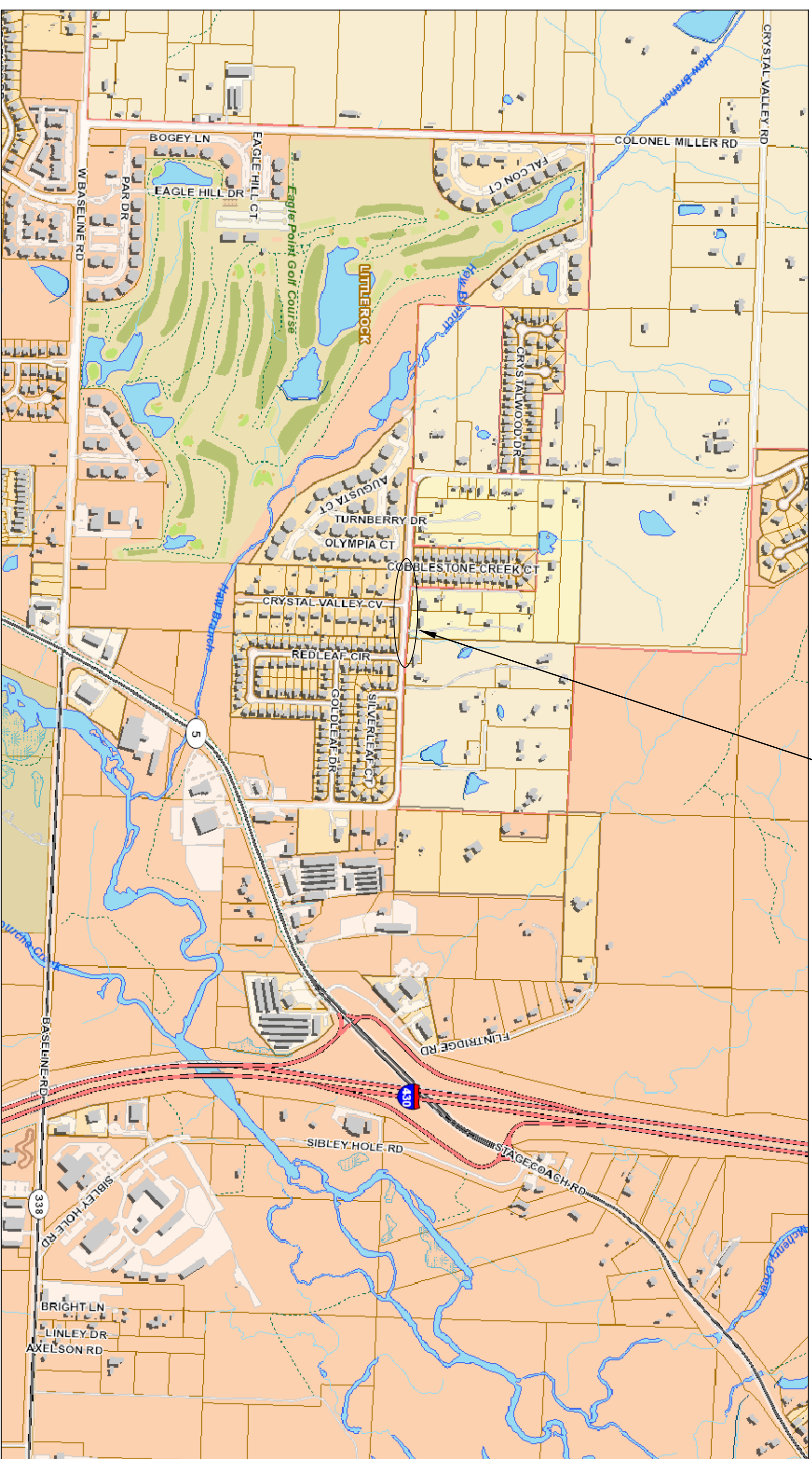
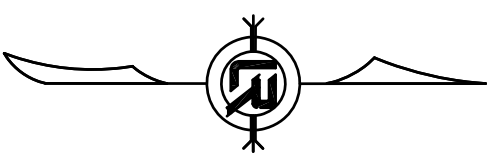
# CLR PROJECT #7-17-ST-288

## CRYSTAL VALLEY ROAD WIDENING

(COBBLESTONE DRIVE TO RED LEAF CIRCLE)

### LITTLE ROCK, ARKANSAS

*PROJECT LOCATION*  
(125961.582, 1185984.170)



SCALE 1" = 750'

PAGE	DESCRIPTION
C1	COVER SHEET
C2	LEGEND AND QUANTITIES
C3	TYPICAL SECTIONS I
C4	TYPICAL SECTIONS II
C5	EXISTING CONDITIONS
C6	STREET PLAN I
C7	PROFILE I
C8	STREET PLAN II
C9	PROFILE II
C10	CROSS SECTIONS I
C11	CROSS SECTIONS II
C12	CROSS SECTIONS III
C13	CROSS SECTIONS IV
C14	CROSS SECTIONS V
C15	CROSS SECTIONS VI
C16	CROSS SECTIONS VII
C17	CROSS SECTIONS VIII
C18	DRIVEWAY DETAILS
C19	EROSION CONTROL PLAN I
C20	EROSION CONTROL PLAN II
C21	MAINTENANCE OF TRAFFIC

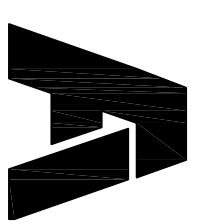
# 2019-2021

## BOND PROGRAM

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



Know what's below.  
Call before you dig.



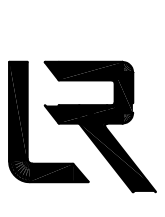
**FISHER ARNOLD**  
ENGINEERING INTEGRATION

1801 Latourette Drive | Jonesboro, Arkansas 72404  
870.932.2019 | Fax: 870.932.1076 | www.fisherarnold.com

PRELIMINARY  
90% PLANS

CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD

COVER SHEET



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



PRELIMINARY  
90% PLANS

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	NONE
PROJECT NO.	7-17-ST-288
SHEET NO.	C1

REVISIONS	DATE

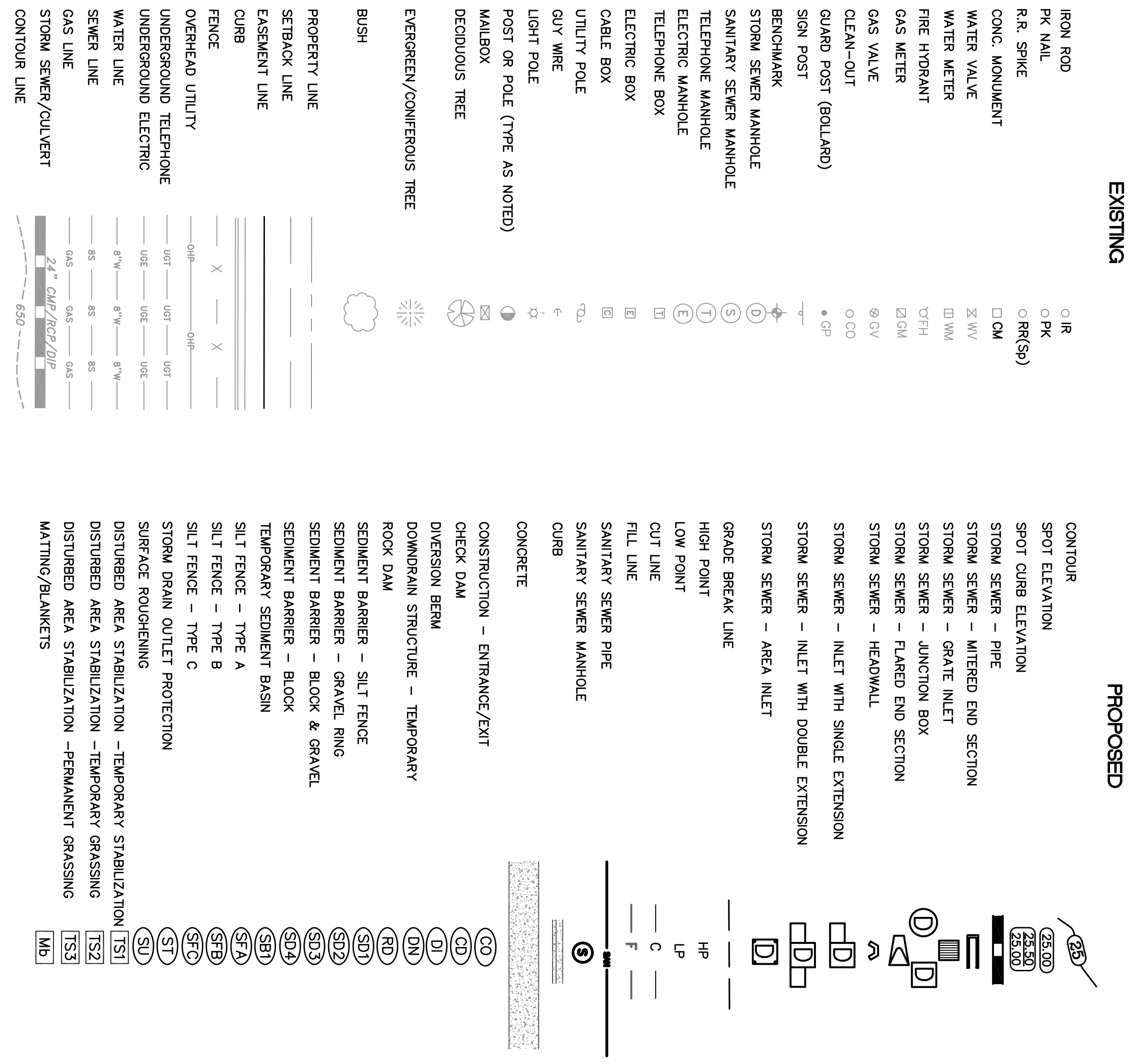
**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**  
**LEGEND AND QUANTITIES**

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

**PRELIMINARY**  
**90% PLANS**

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	NONE
PROJECT NO.	7-17-ST-288
SHEET NO.	C2

ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION	LS	1
3.01	UNCLASSIFIED EXCAVATION	CY	50
3.06	BORROW MATERIAL	CY	900
3.40	TOPSOIL	CY	200
4.01	AGGREGATE BASE COURSE	TON	475
5.01	TACK COAT	GAL	70
6.01	ACHM SURFACE COURSE	TON	85
6.20	ACHM BINDER COURSE	TON	85
7.06	CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH	SF	1,491
8.03	CONCRETE CURB AND GUTTER (CLASS 3)	LF	1,321
9.04	CONCRETE SIDEWALK (4" THICK)	SF	5,315
10.04	CURB INLET - 4' BOX	EA	8
10.07	WING 3' EXTENSION	EA	7
11.06	REINFORCED CONCRETE HEADWALL	CY	5
13.18	STORM DRAIN PIPE, 18" SIDE DRAIN	LF	731.8
13.36	STORM DRAIN PIPE, 36" CROSS DRAIN	LF	59.3
13.36	STORM DRAIN PIPE, 36" SIDE DRAIN	LF	33.3
14.01	SOLID SODDING, MATCH EXISTING SOD TYPE	SY	1,312
15.01	SHRUB REPLACEMENT	EA	5
16.01	MAINTENANCE OF TRAFFIC	LS	1
18.50	ACCESS RAMP TYPE 3	SF	232
18.55	WATER FOR DUST CONTROL	GAL	10,000
19.01	FINAL CLEANUP	LS	1
22.10	MAILBOX RELOCATION	EA	7
24.01	CONSTRUCTION ENTRANCE (CO)	EA	4
24.11	SILT FENCE - TYPE A (SFA)	LF	1,300
24.14	STORM DRAIN OUTLET PROTECTION (ST)	EA	8
24.17	DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2)	AC	0.25
25.16	FENCE WOOD (6')	LF	55
26.10	TRENCH & EXCAVATION SAFETY	LS	1
606.18	FLARED END SECTION 18"	EA	2
606.36	FLARED END SECTION 36"	EA	1
719.04W	THERMOPLASTIC PAVEMENT MARKING WHITE (4")	LF	1,450
719.04Y	THERMOPLASTIC PAVEMENT MARKING YELLOW (4")	LF	725



**PRELIMINARY**  
**90% PLANS**

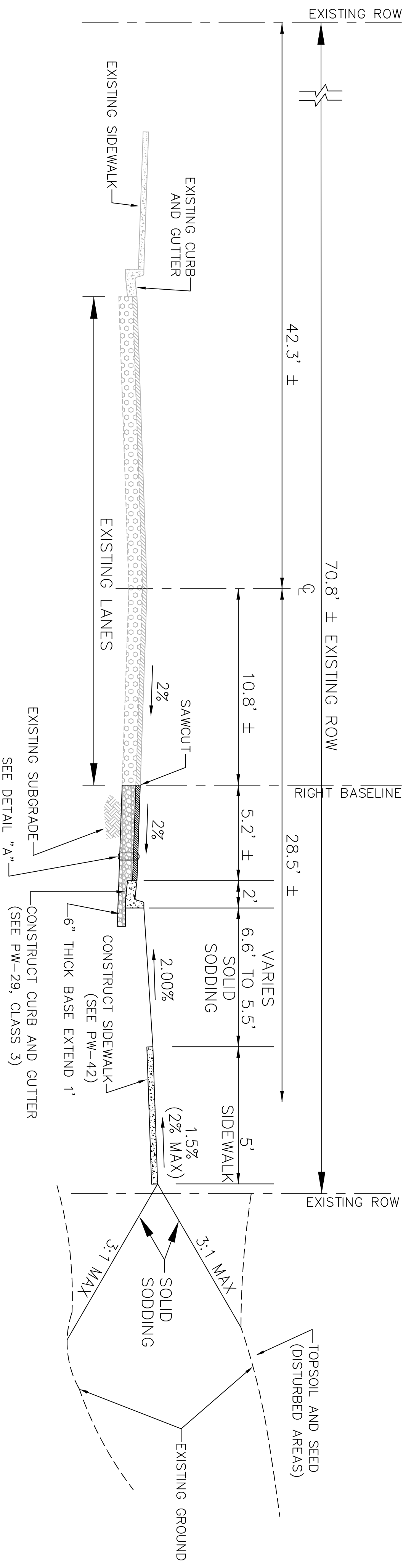
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**  
  
**TYPICAL SECTIONS I**

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

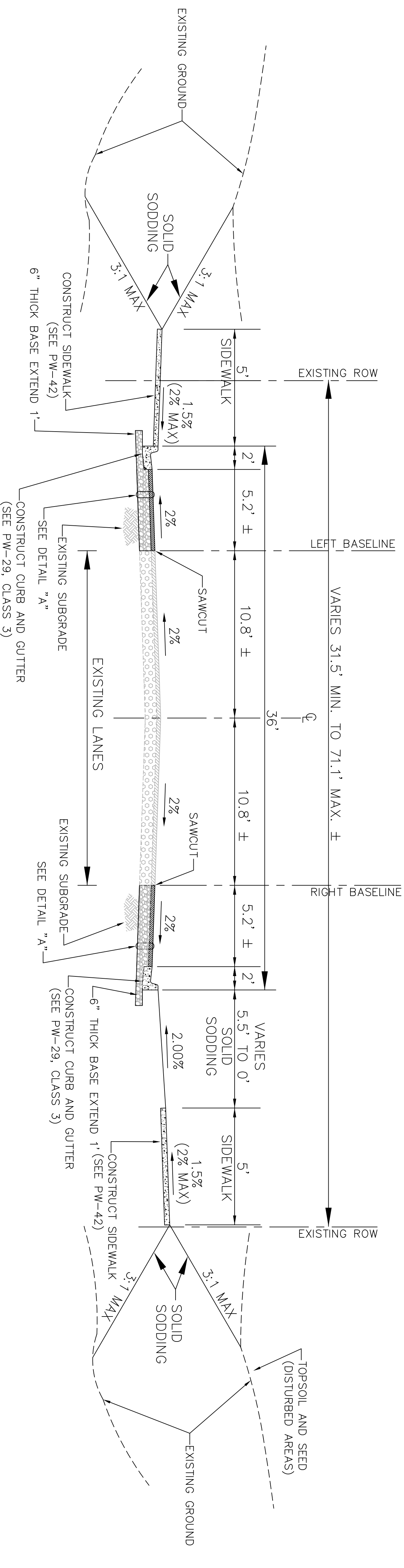
**PRELIMINARY**  
**90% PLANS**

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	NONE
PROJECT NO.	7-17-ST-288
SHEET NO.	C3



**TYPICAL SECTION ROADWAY - A-A**

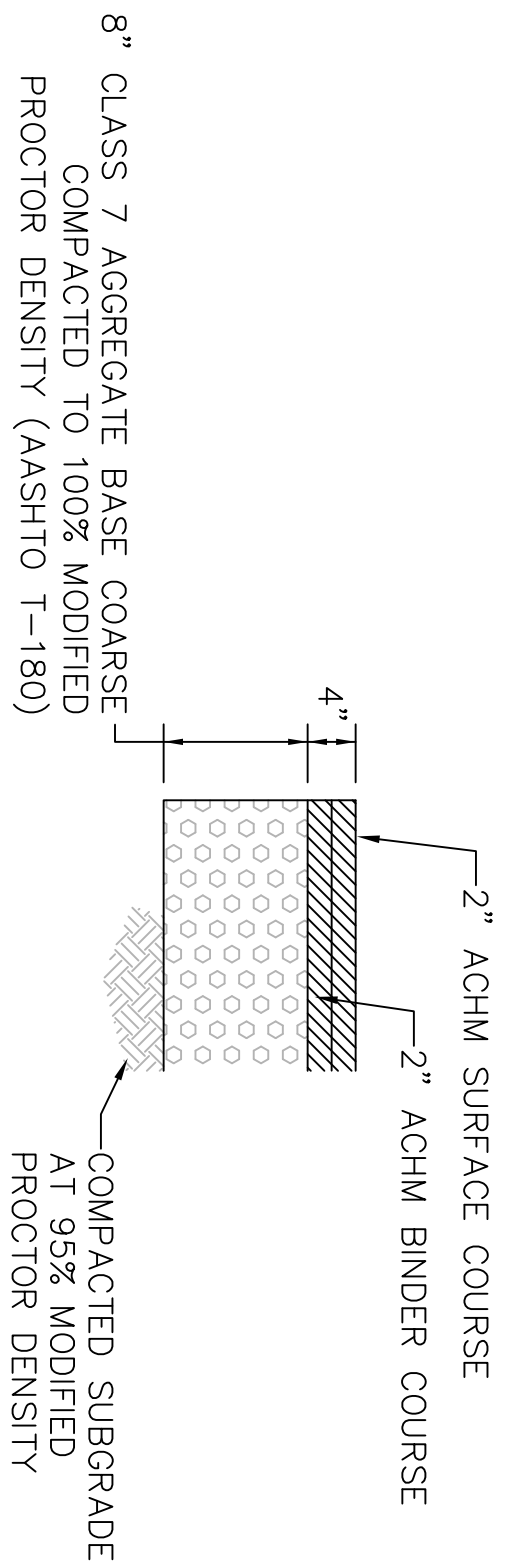
STA. 10+00.00 TO STA. 11+01.50



**TYPICAL SECTION ROADWAY - B-B**

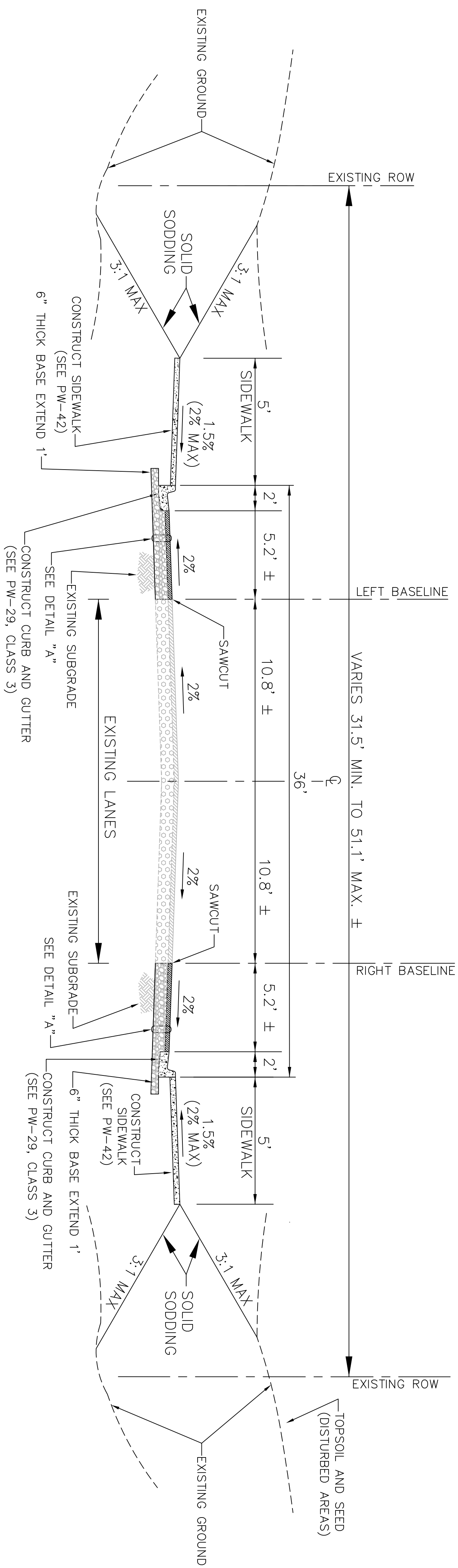
STA. 11+01.50 TO STA. 12+68.60

- NOTES:
- 6" BASE UNDER CONCRETE CURB AND GUTTER SHALL BE COMPACTED TO 100% MODIFIED PROCTOR DENSITY (AASHTO T-180)



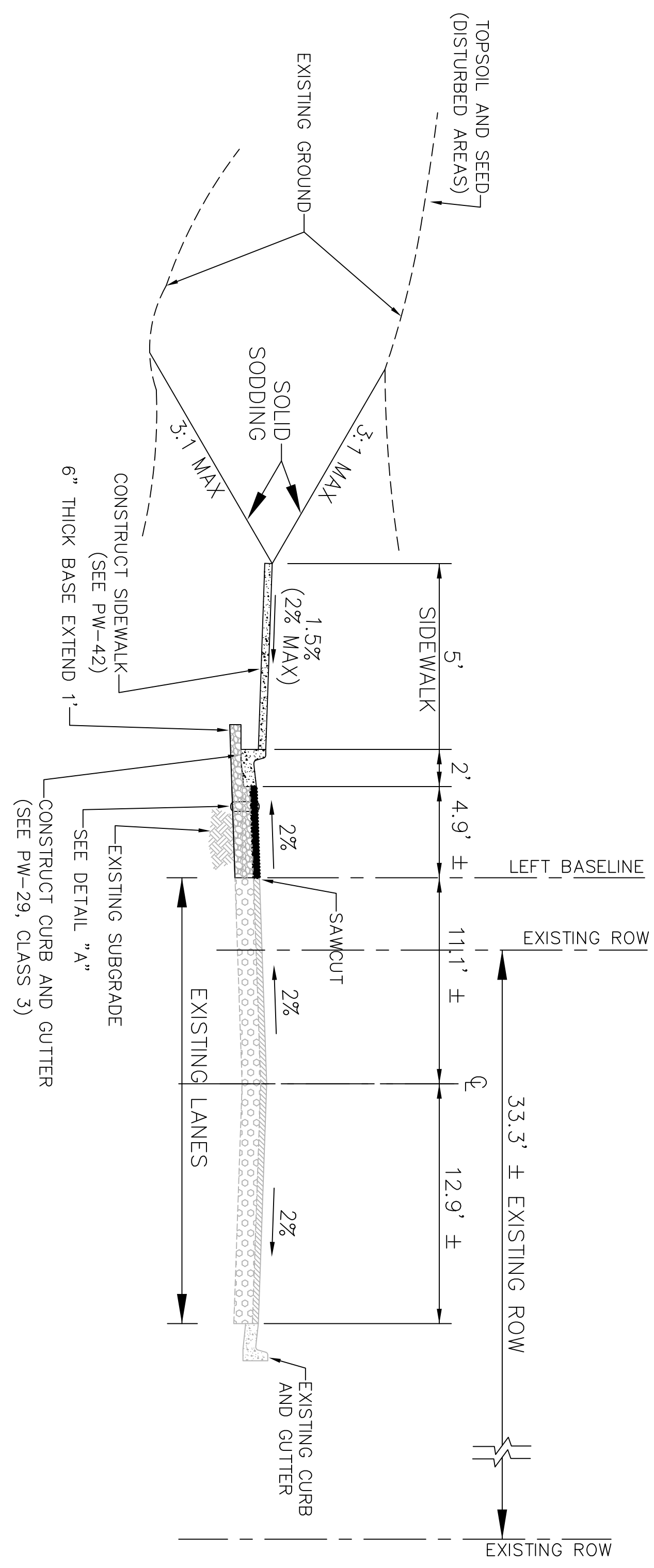
**DETAIL "A" - ASPHALT PAVEMENT SECTION**

8" CLASS 7 AGGREGATE BASE COARSE  
 COMPACTED TO 100% MODIFIED  
 PROCTOR DENSITY (AASHTO T-180)



**TYPICAL SECTION ROADWAY - C-C**

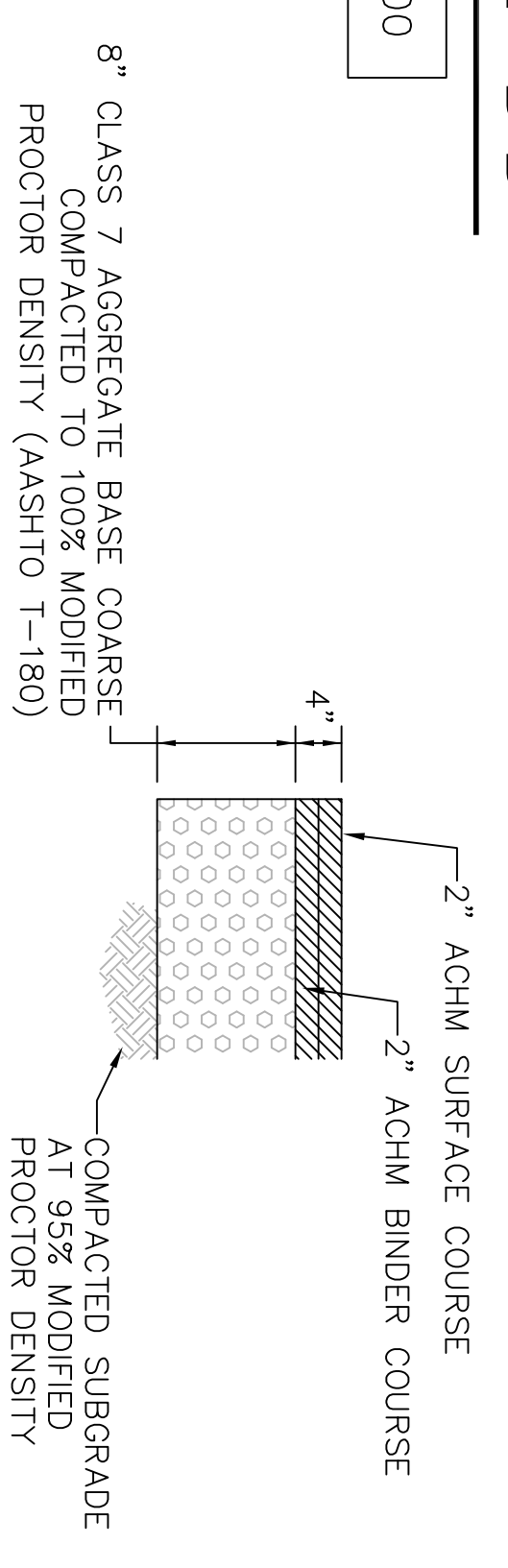
STA. 12+68.60 TO STA. 16+72.18



**TYPICAL SECTION ROADWAY - D-D**

STA. 16+72.18 TO STA. 17+25.00

- NOTES:
1. 6" BASE UNDER CONCRETE CURB AND GUTTER SHALL BE COMPACTED TO 100% MODIFIED PROCTOR DENSITY (AASHTO T-180)



**DETAIL "A" - ASPHALT PAVEMENT SECTION**

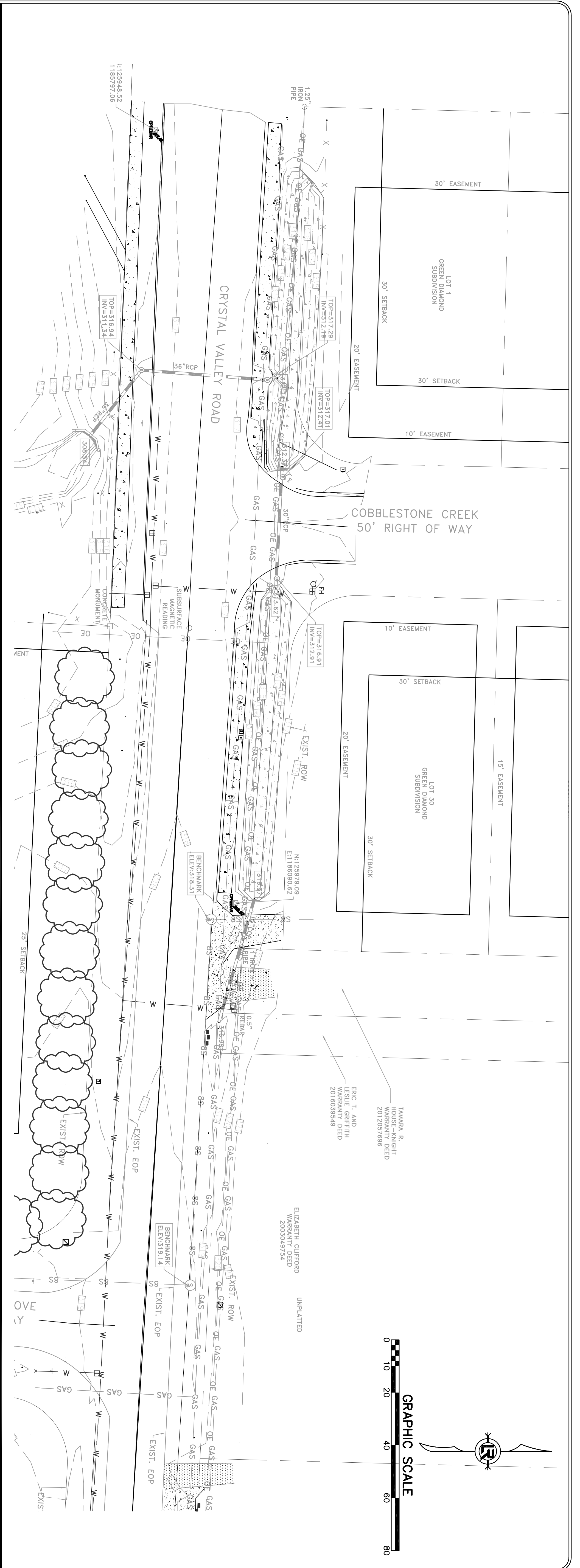
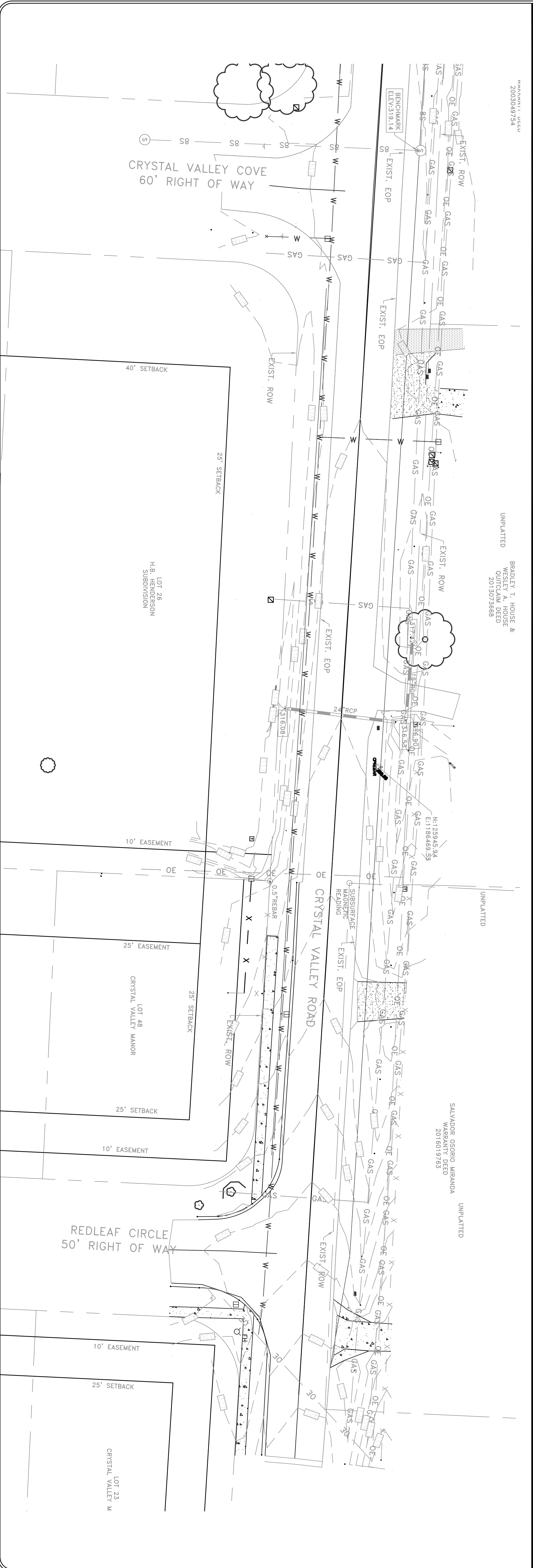
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**  
  
**TYPICAL SECTIONS II**

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

**PRELIMINARY**  
**90% PLANS**

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	NONE
PROJECT NO.	1-17-ST-288
SHEET NO.	C4



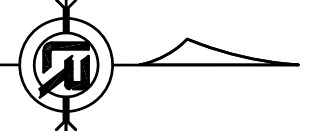
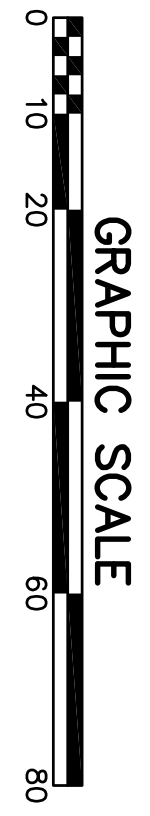
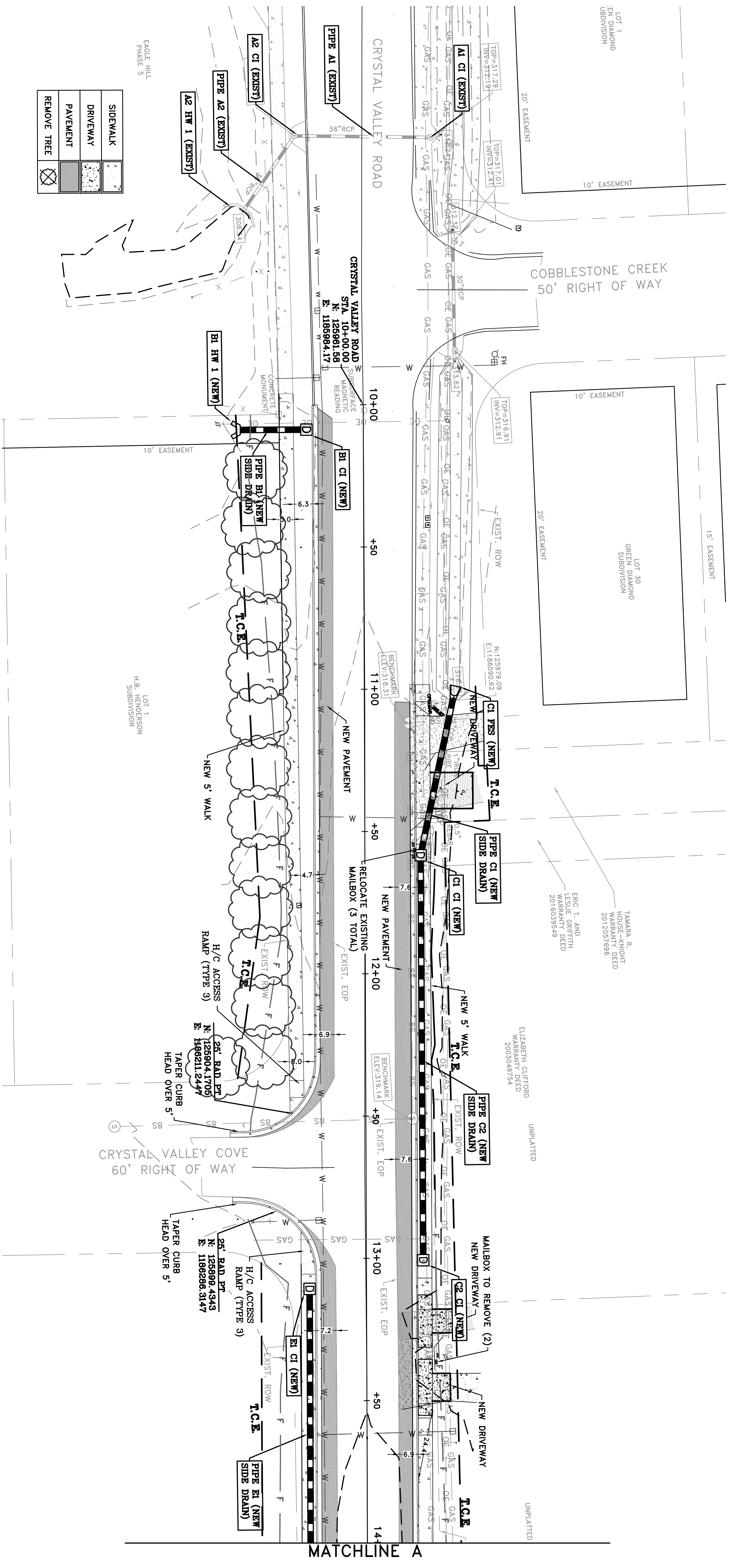
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<b>DESIGNED</b>	JAM
<b>CHECKED</b>	REG
<b>DATE</b>	02/08/2019
<b>SCALE</b>	1" = 20'
<b>PROJECT NO.</b>	7-17-ST-288
<b>SHEET NO.</b>	C5

**PRELIMINARY  
90% PLANS**

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

CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD  
EXISTING CONDITIONS

REVISIONS	DATE



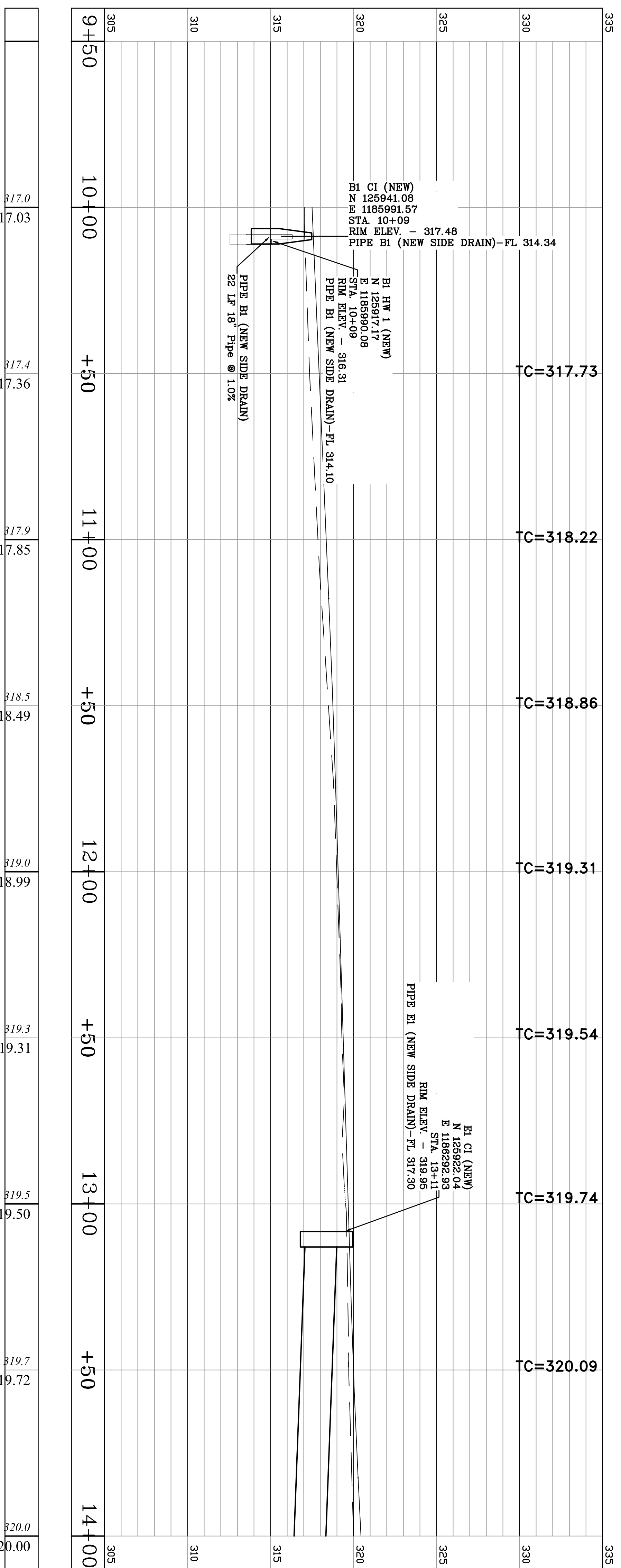
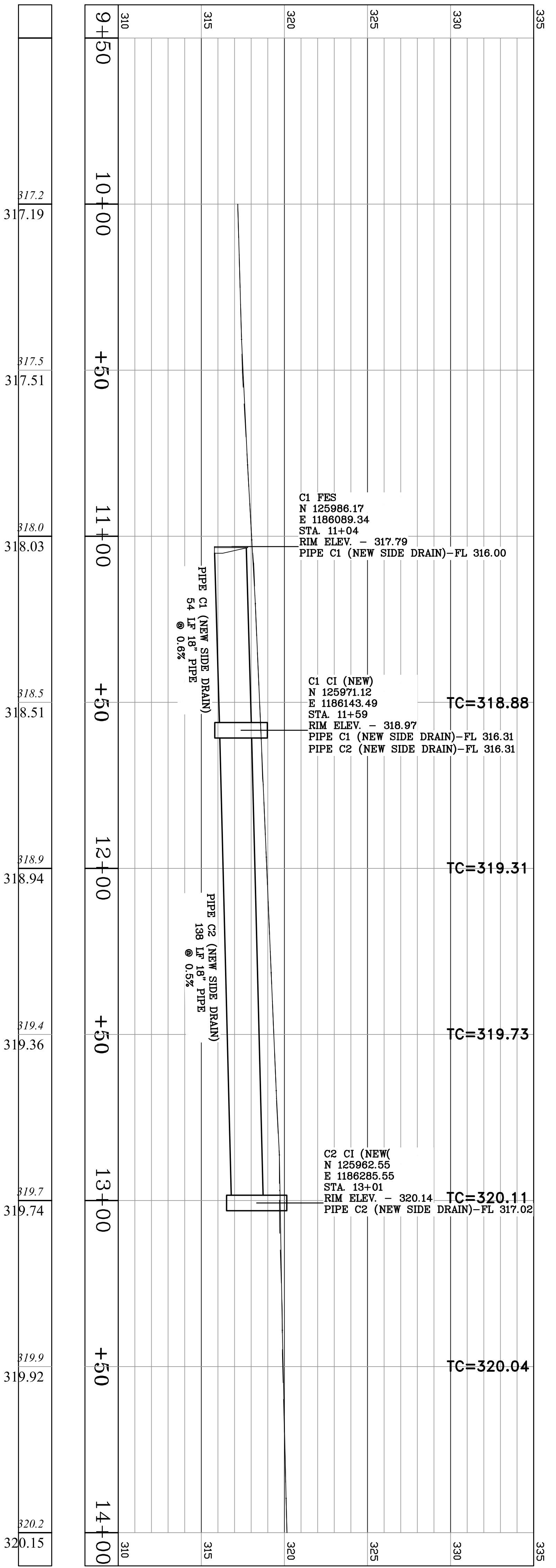
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DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 20'
PROJECT NO.	7-17-ST-288
SHEET NO.	C6

**PRELIMINARY  
90% PLANS**

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

CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD  
  
STREET PLAN I

REVISIONS	DATE



REVISIONS	DATE

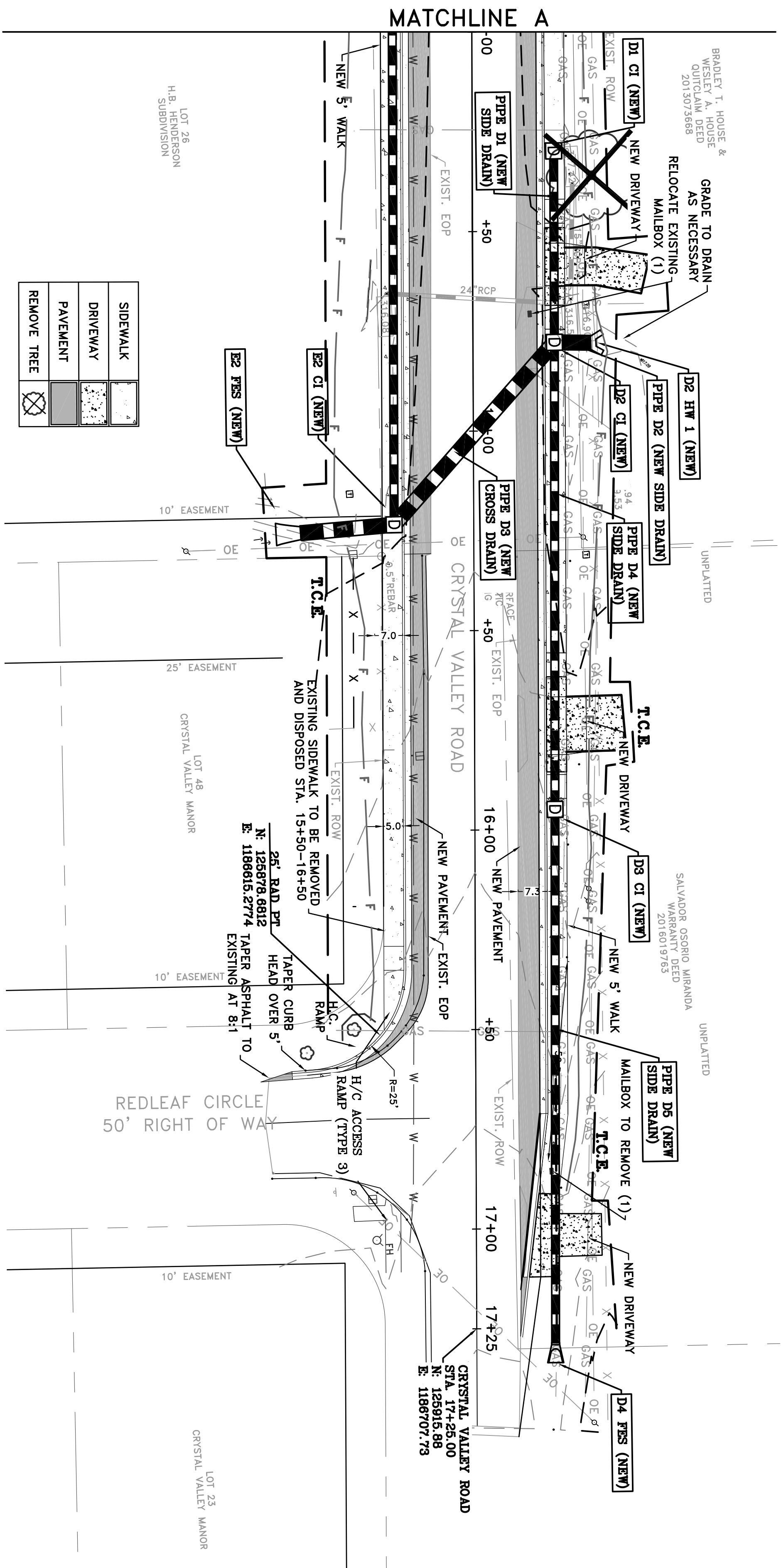
**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**

PROFILE I

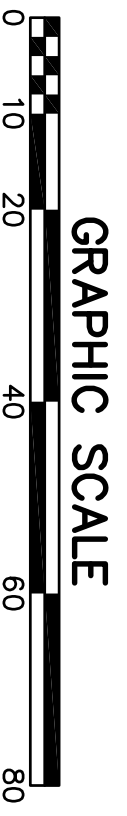
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

**PRELIMINARY**  
**90% PLANS**

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 20'
PROJECT NO.	7-17-ST-288
SHEET NO.	C7



	SIDEWALK
	DRIVEWAY
	PAVEMENT
	REMOVE TREE



**PRELIMINARY  
60% PLANS**

REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD**

---

STREET PLAN II

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

**PRELIMINARY  
90% PLANS**

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 20'
PROJECT NO.	7-17-ST-288
SHEET NO.	<b>C8</b>



REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**

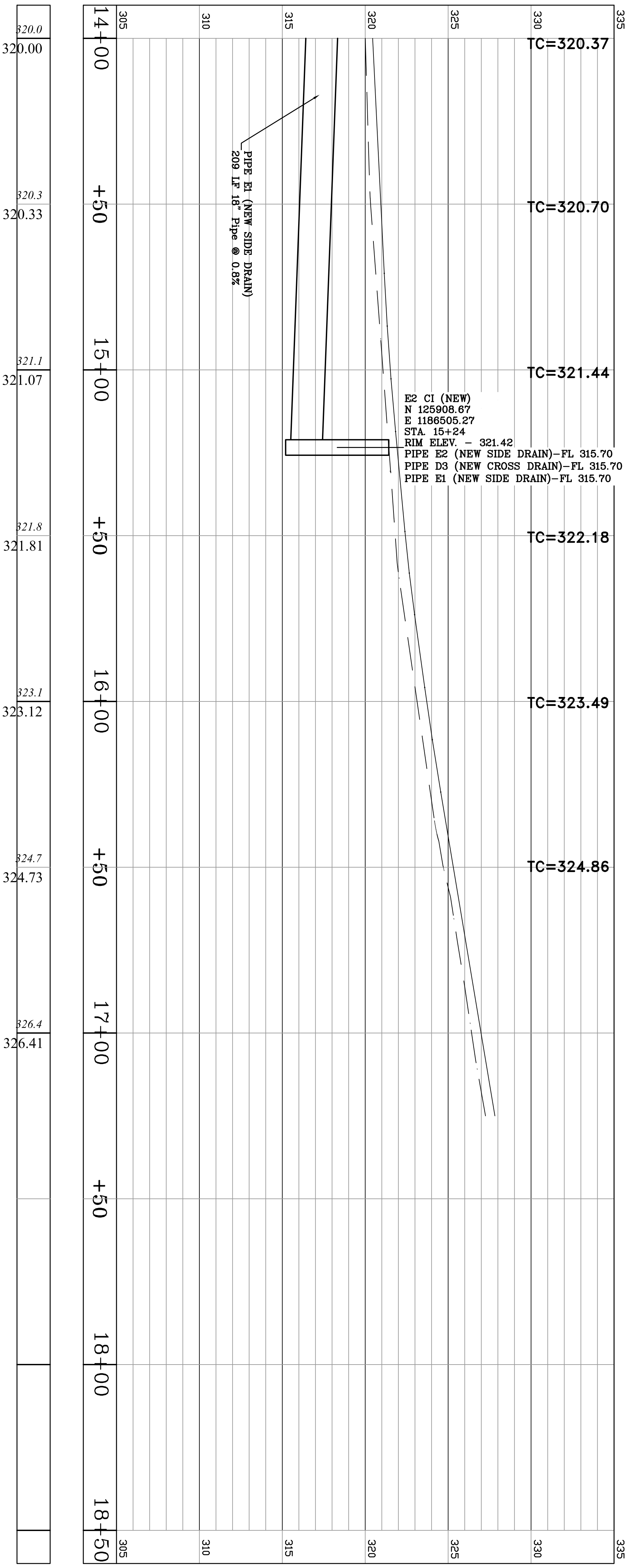
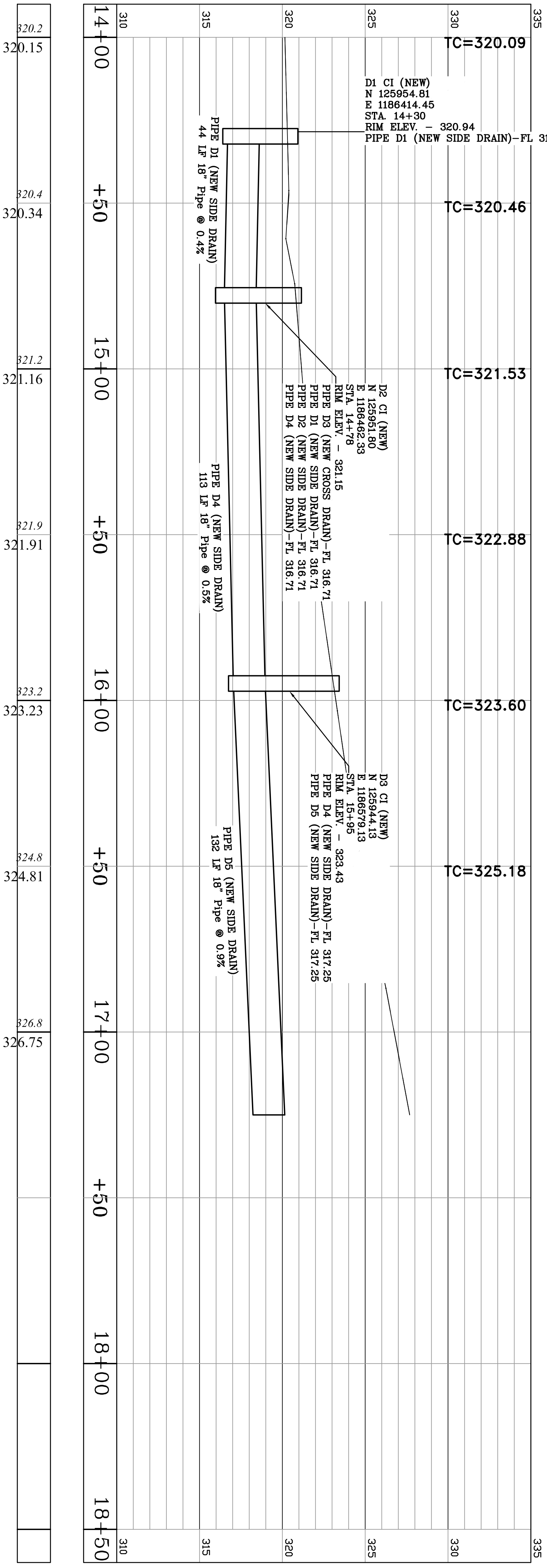
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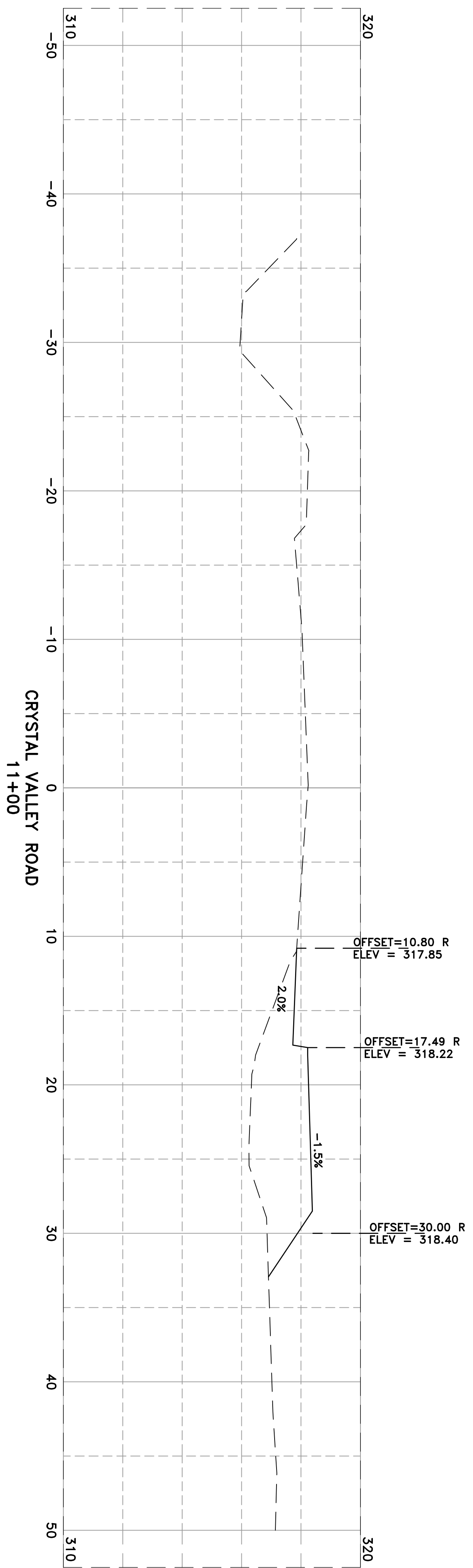
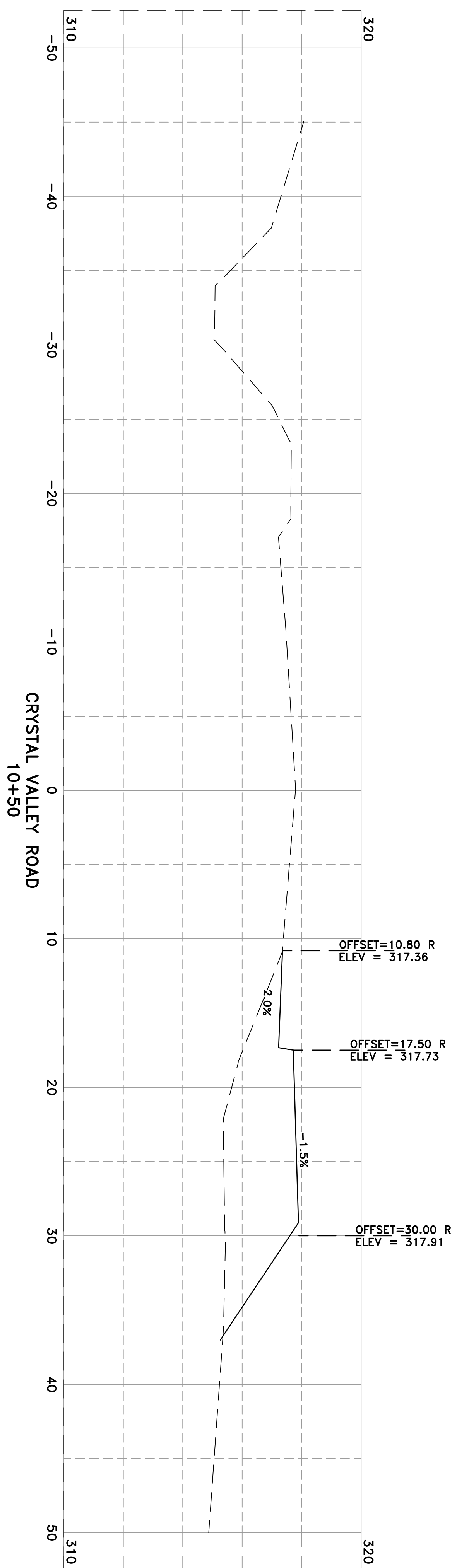
PROFILE II

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

**PRELIMINARY**  
**90% PLANS**

DRAWN BY	JAB
DESIGNED	JAM
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 20'
PROJECT NO.	7-17-ST-288
SHEET NO.	C9





REVISIONS	DATE

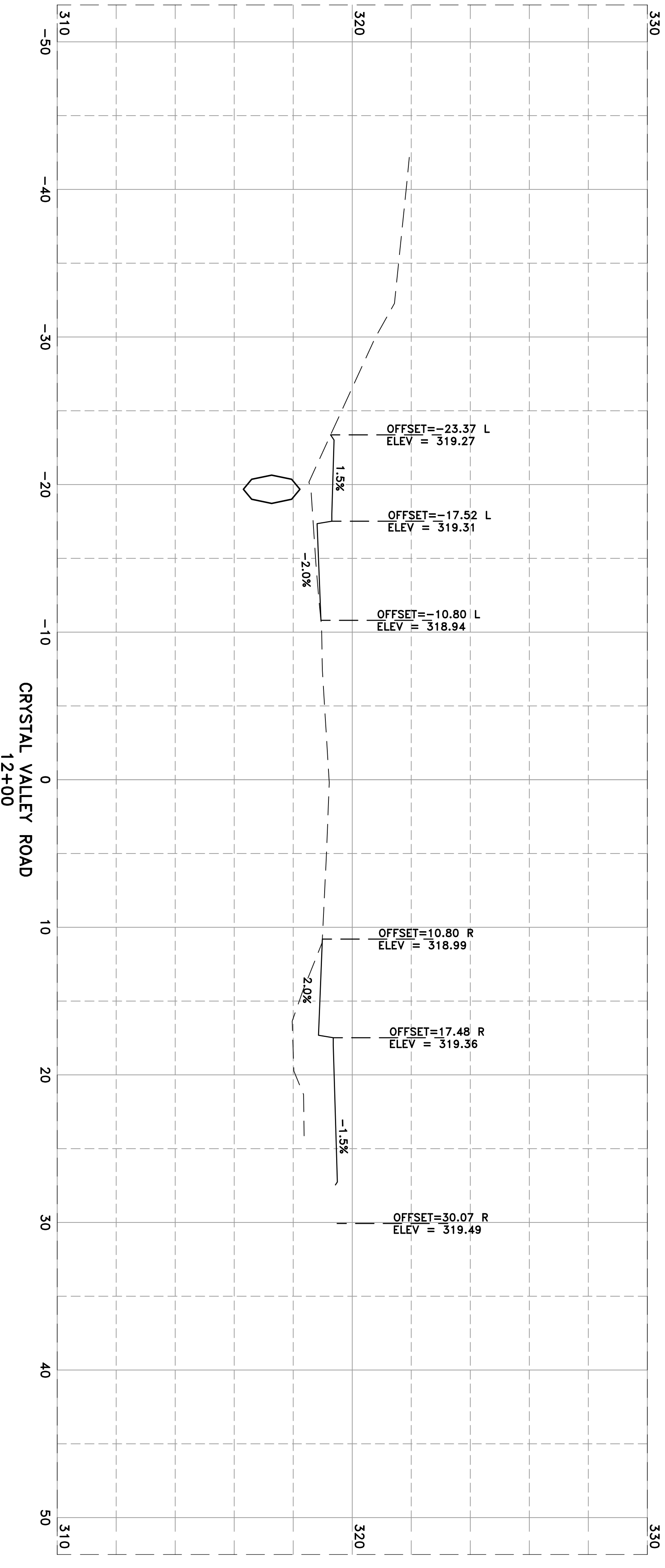
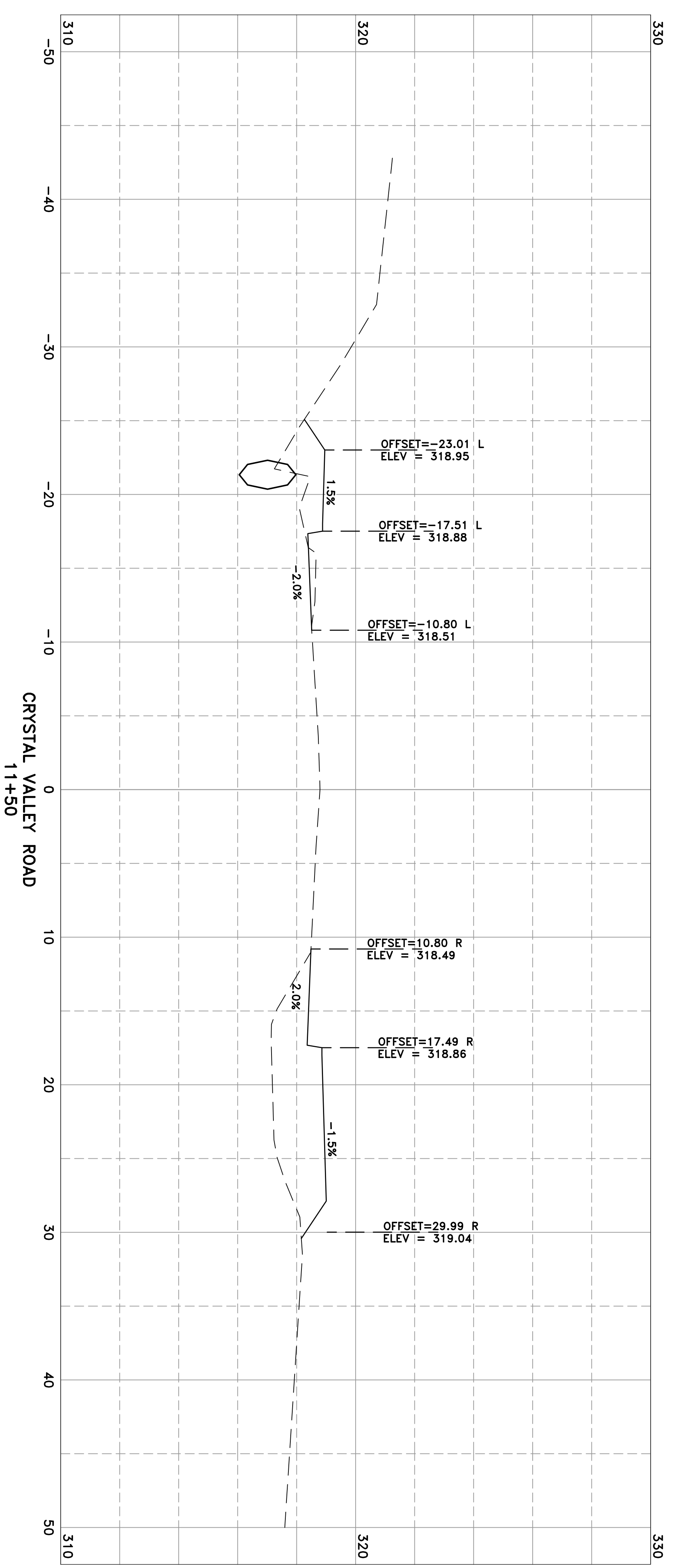
CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD

CROSS SECTIONS I

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

PRELIMINARY  
90% PLANS

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 5'
PROJECT NO.	7-17-ST-288
SHEET NO.	C10



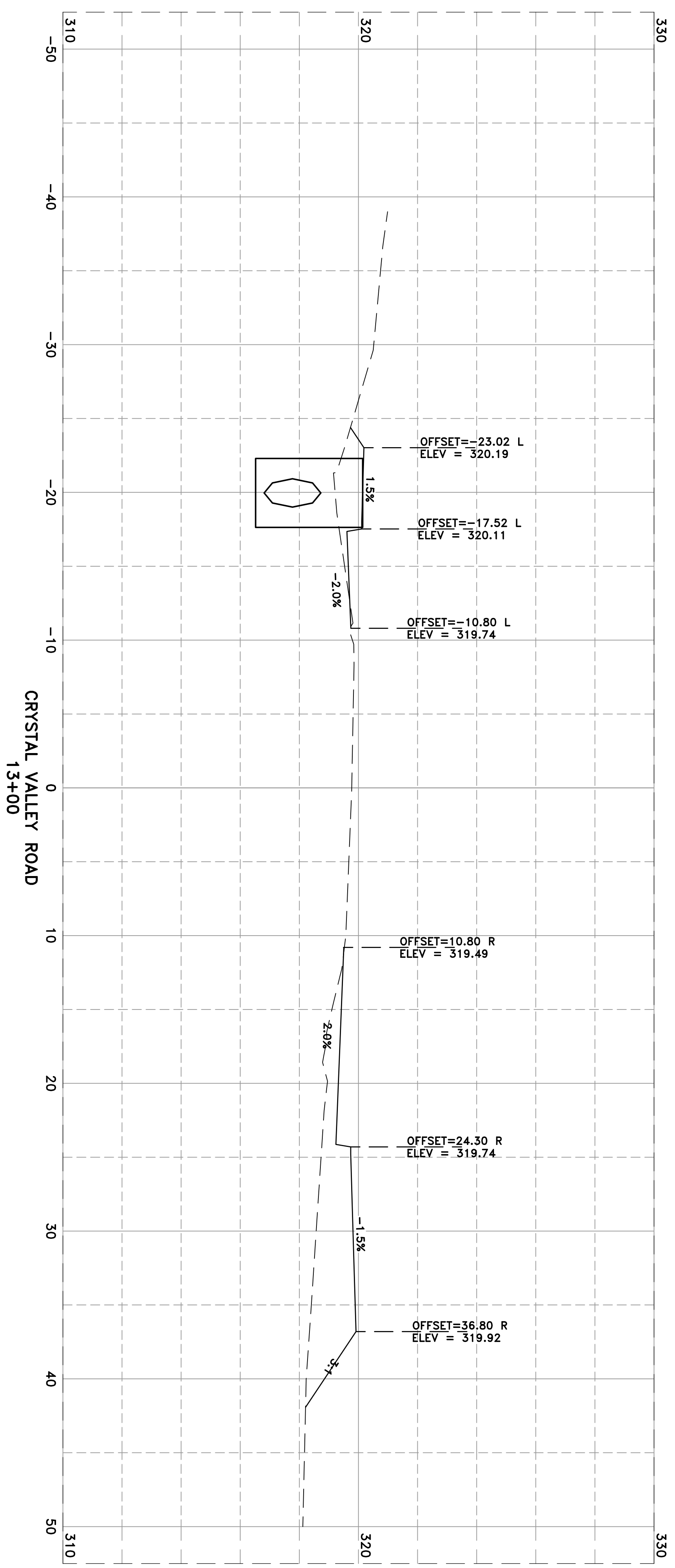
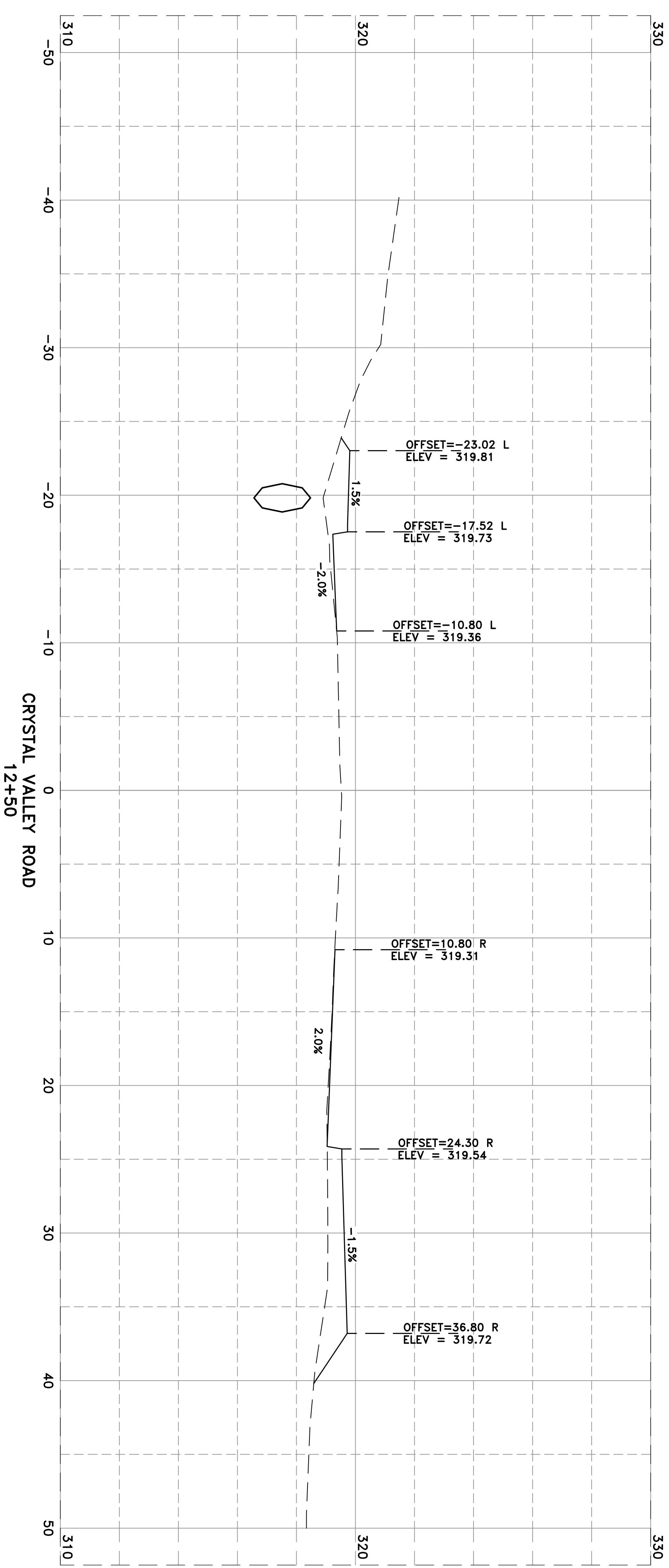
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD  
CROSS SECTIONS I

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


**PRELIMINARY  
90% PLANS**

DRAWN BY  
MJR  
DESIGNED  
MJR  
CHECKED  
JAM  
DATE  
05/10/2019  
SCALE  
1" = 5'  
PROJECT NO.  
7-17-ST-288  
SHEET NO.  
**C11**



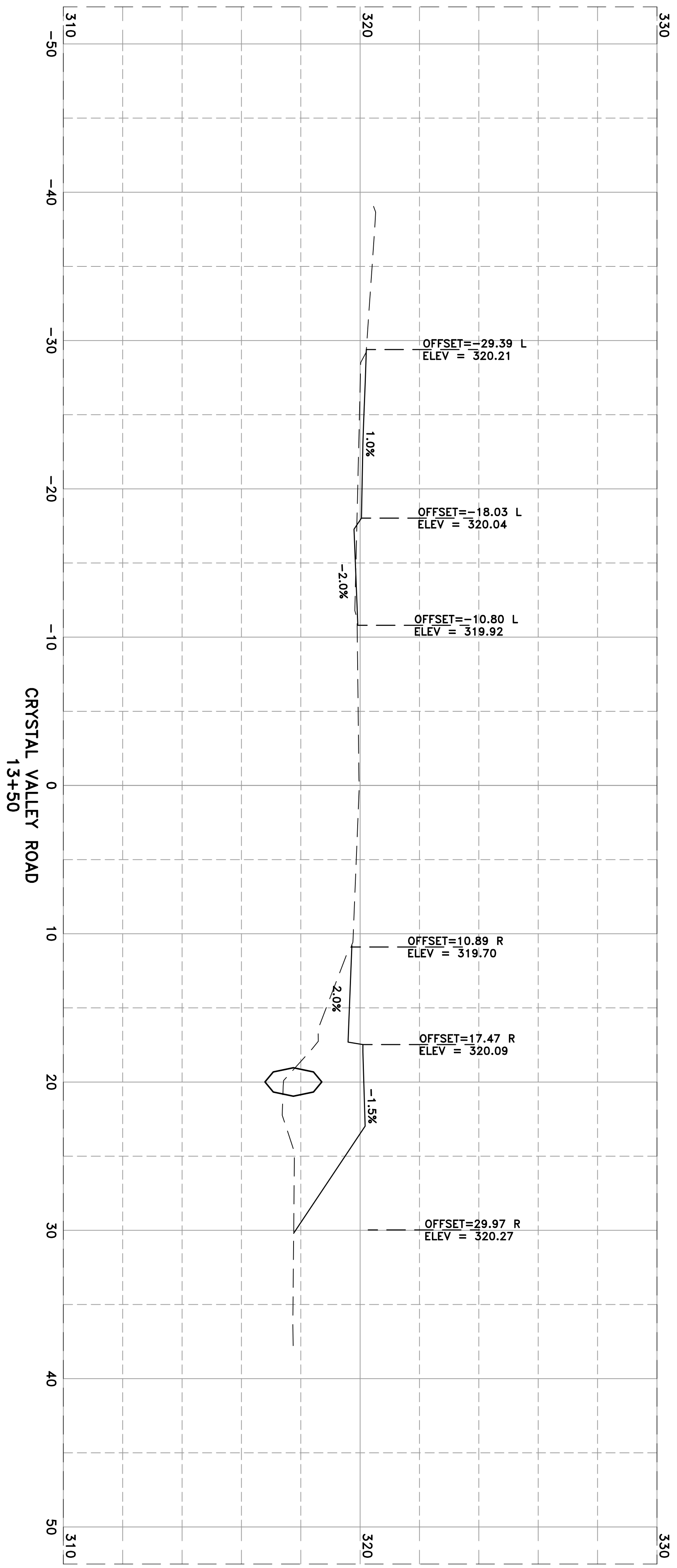
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**  
  
**CROSS SECTIONS II**

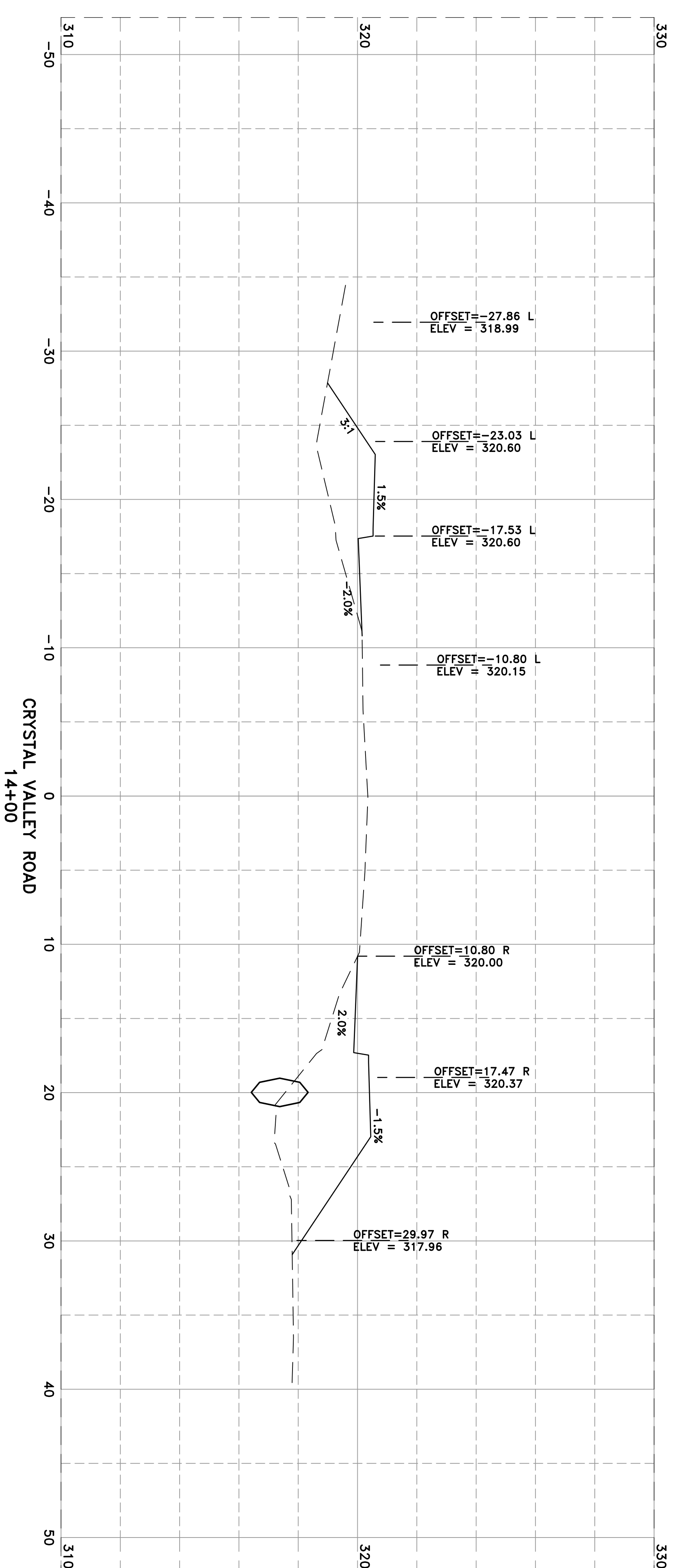

**DEPARTMENT OF PUBLIC WORKS**  
**CIVIL ENGINEERING**  
**701 W. MARKHAM**  
**LITTLE ROCK, ARKANSAS 72201**

**PRELIMINARY**  
**90% PLANS**

<b>DRAWN BY</b>	MJR
<b>DESIGNED</b>	MJR
<b>CHECKED</b>	JAM
<b>DATE</b>	05/10/2019
<b>SCALE</b>	1" = 10'
<b>PROJECT NO.</b>	7-17-ST-288
<b>SHEET NO.</b>	<b>C12</b>



CRYSTAL VALLEY ROAD  
13+50



CRYSTAL VALLEY ROAD  
14+00

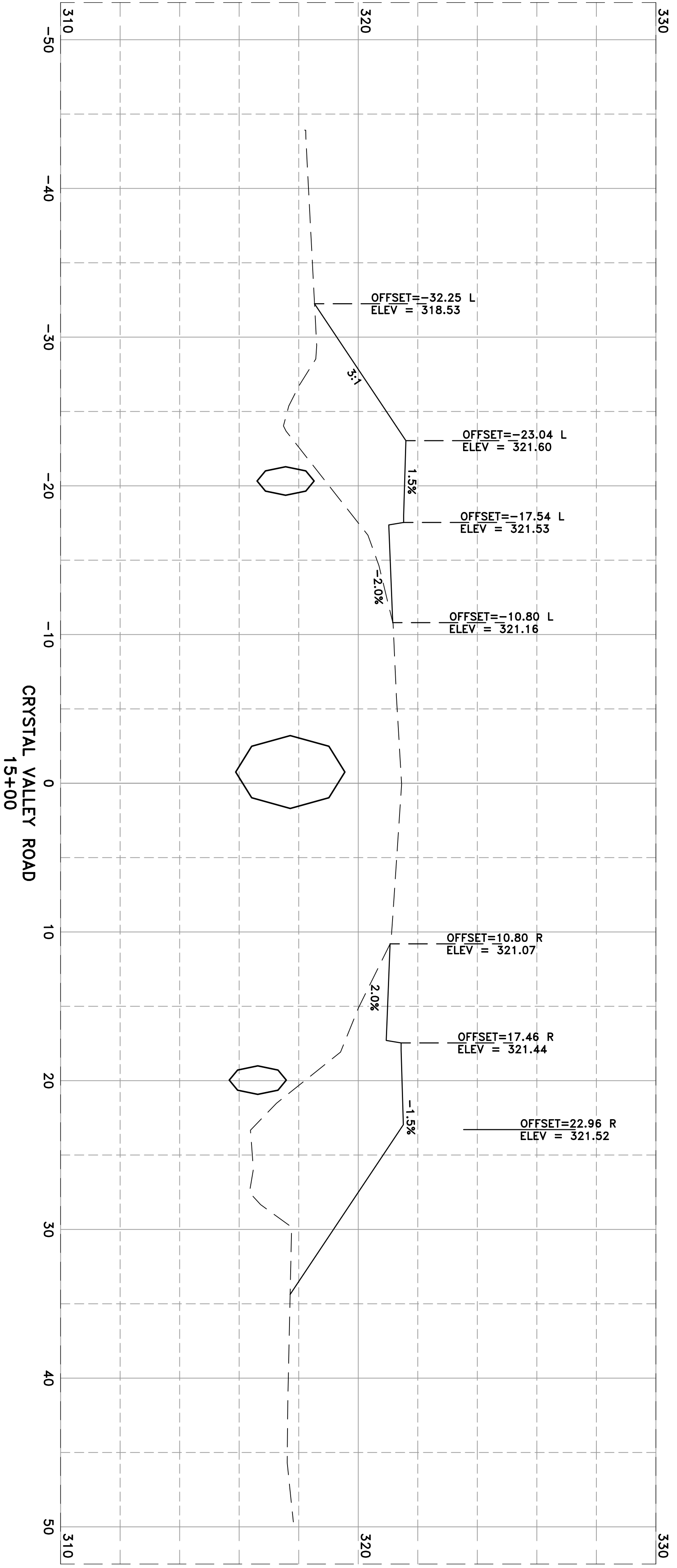
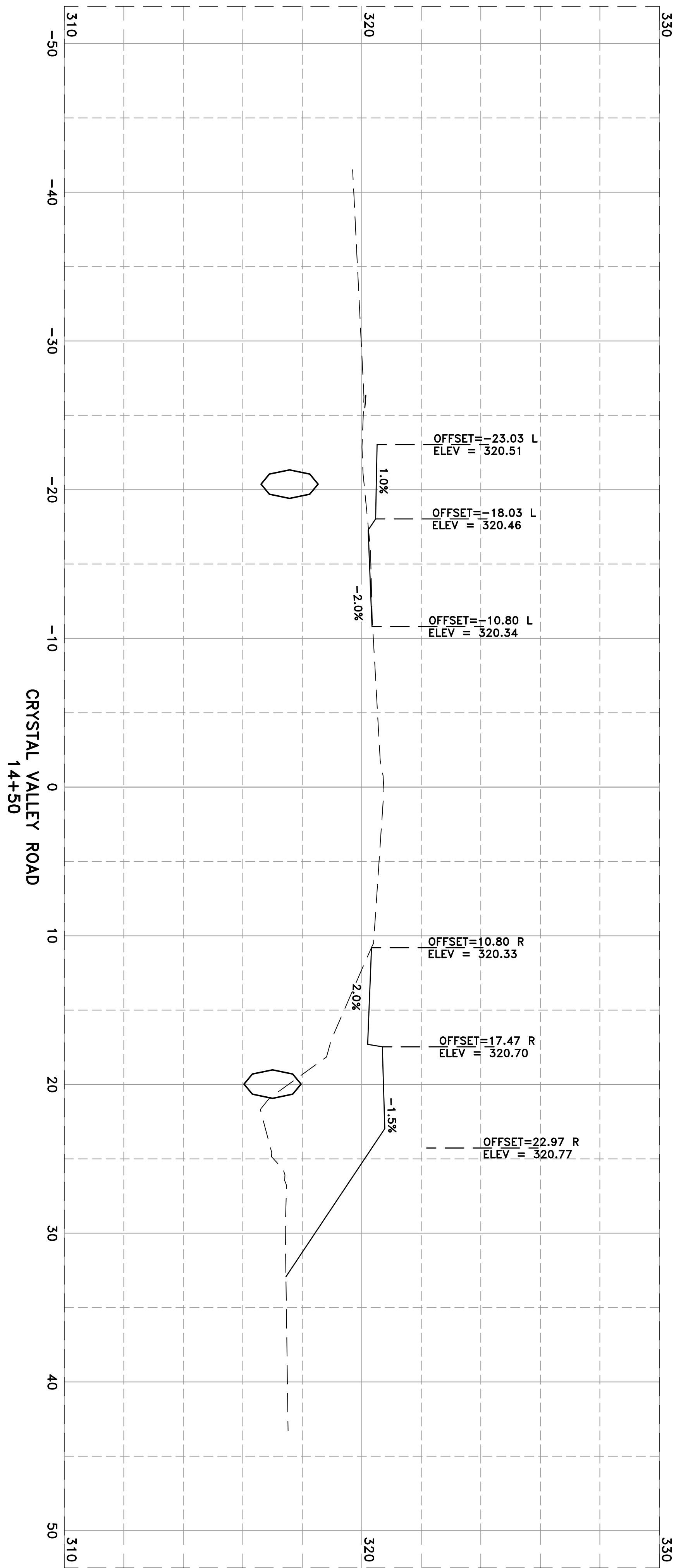
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD  
CROSS SECTIONS II

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


**PRELIMINARY  
90% PLANS**

DRAWN BY  
MJR  
DESIGNED  
MJR  
CHECKED  
JAM  
DATE  
05/10/2019  
SCALE  
1" = 10'  
PROJECT NO.  
7-17-ST-288  
SHEET NO.  
**C13**



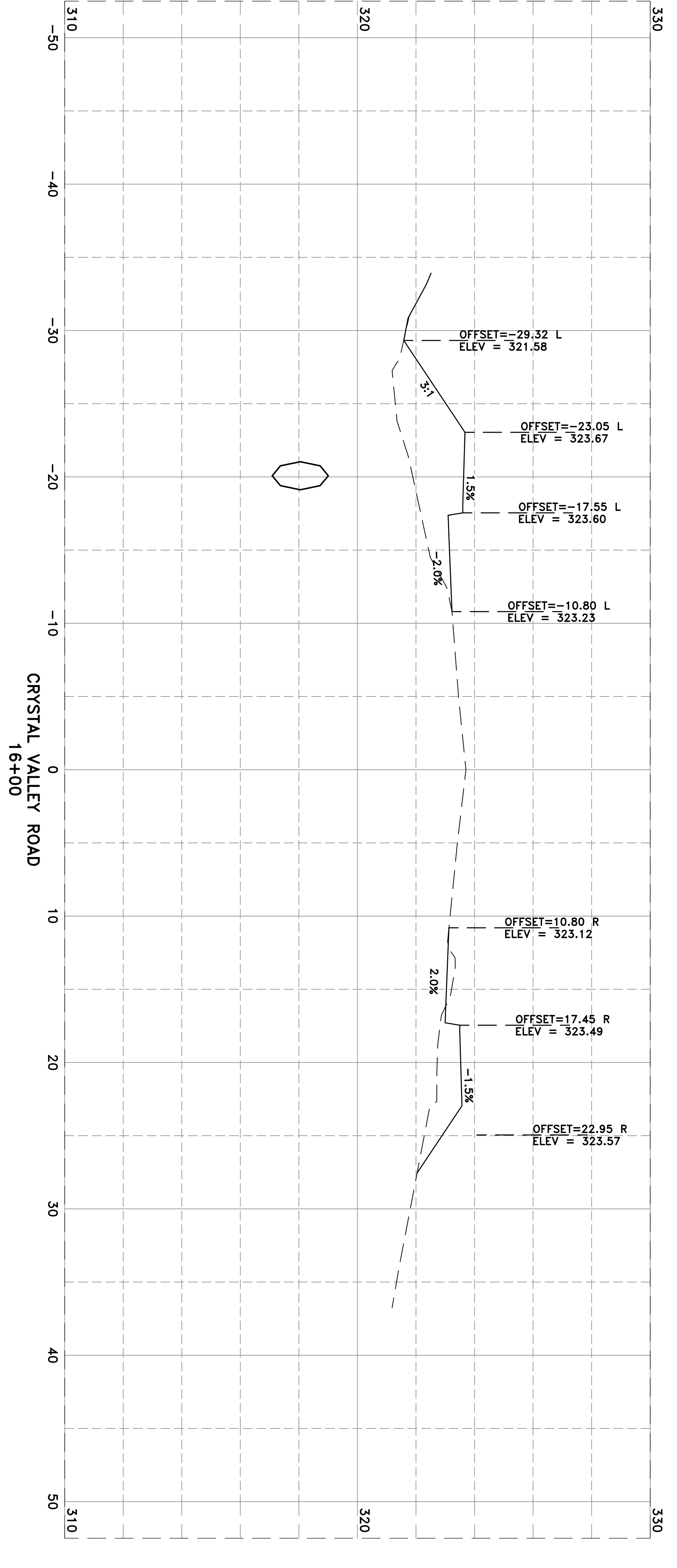
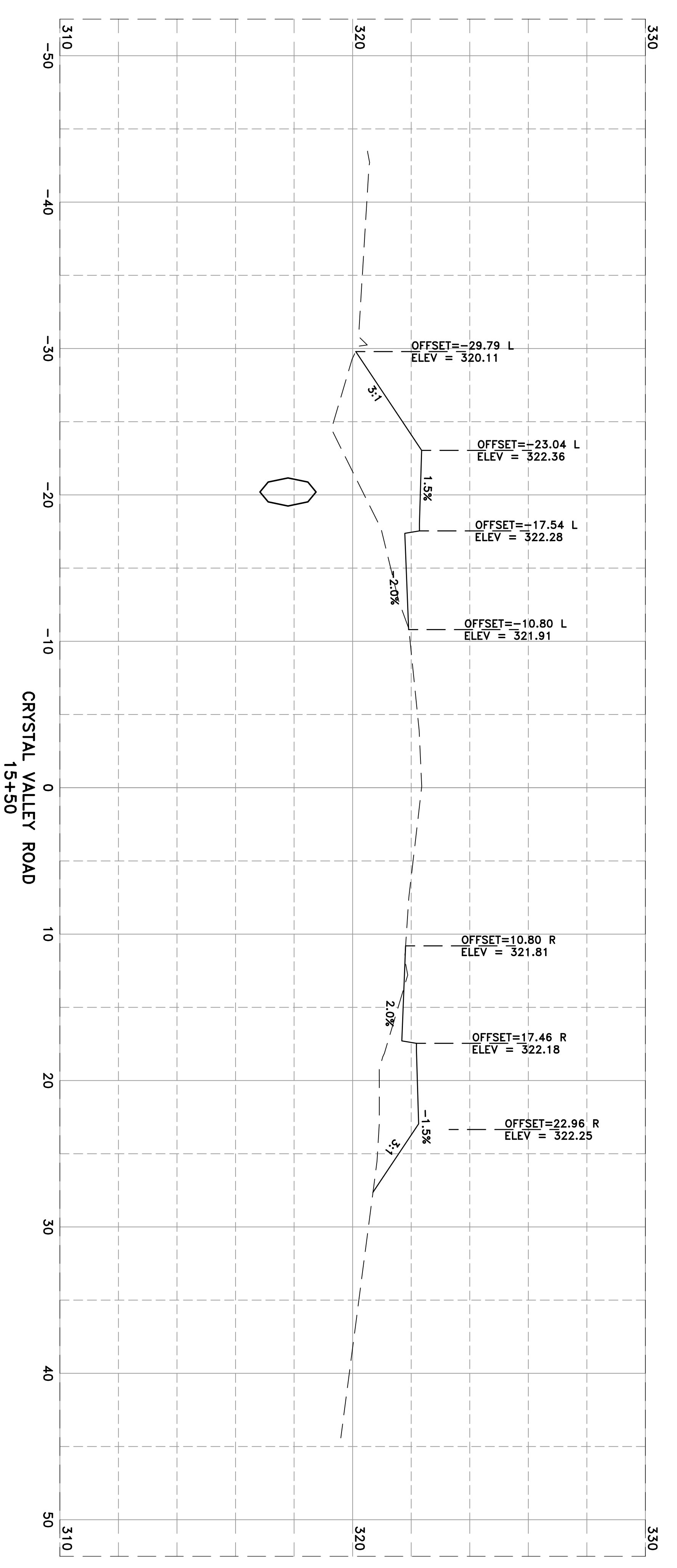
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**  
  
**CROSS SECTIONS III**


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


**PRELIMINARY**  
**90% PLANS**

<b>DRAWN BY</b>	MJR
<b>DESIGNED</b>	MJR
<b>CHECKED</b>	JAM
<b>DATE</b>	05/10/2019
<b>SCALE</b>	1" = 10'
<b>PROJECT NO.</b>	7-17-ST-288
<b>SHEET NO.</b>	<b>C14</b>



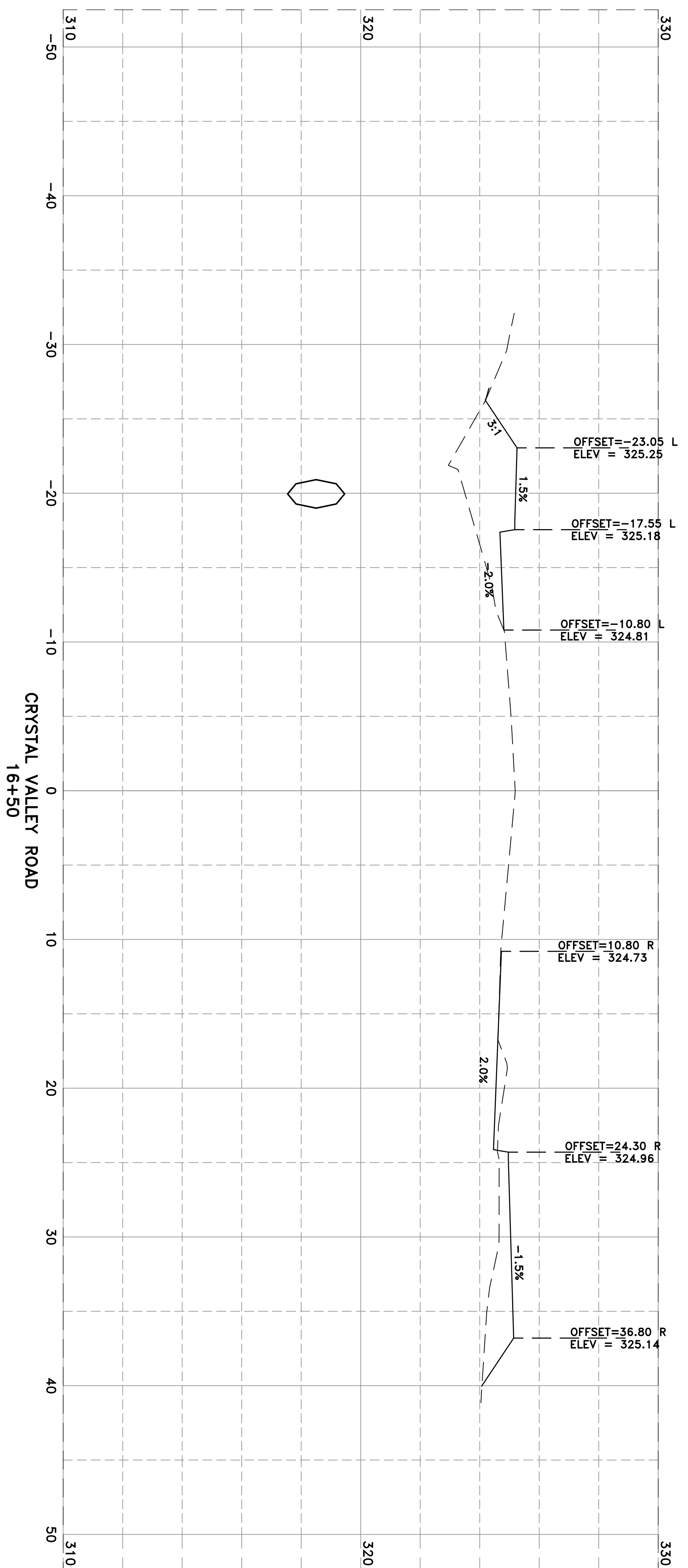
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**  
  
**CROSS SECTIONS III**


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

**PRELIMINARY**  
**90% PLANS**

<b>DRAWN BY</b>	MJR
<b>DESIGNED</b>	MJR
<b>CHECKED</b>	JAM
<b>DATE</b>	05/10/2019
<b>SCALE</b>	1" = 10'
<b>PROJECT NO.</b>	7-17-ST-288
<b>SHEET NO.</b>	<b>C15</b>



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD

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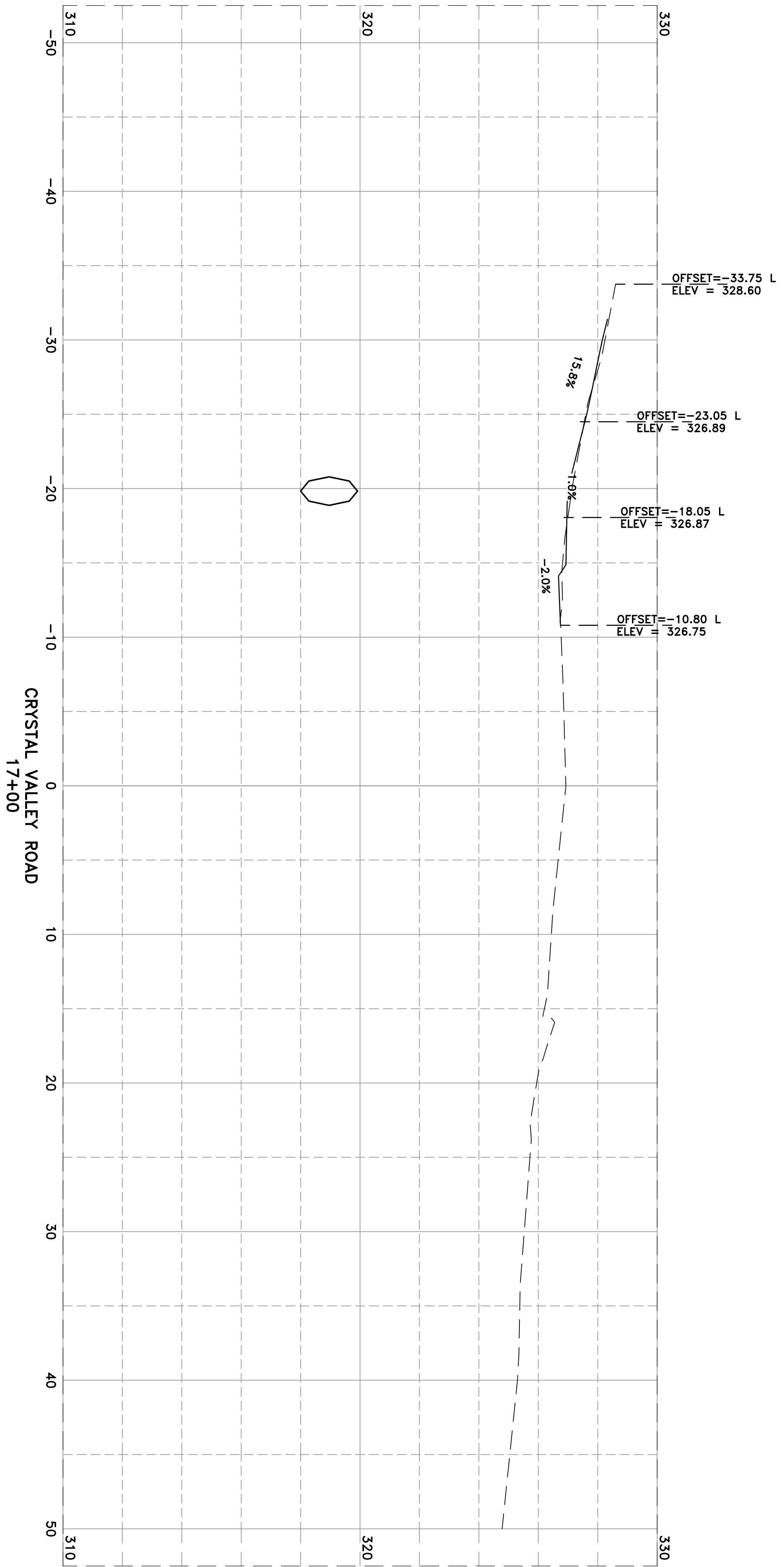
CROSS SECTIONS IV

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

**PRELIMINARY  
90% PLANS**

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 10'
PROJECT NO.	7-17-ST-288
SHEET NO.	C16





REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**  

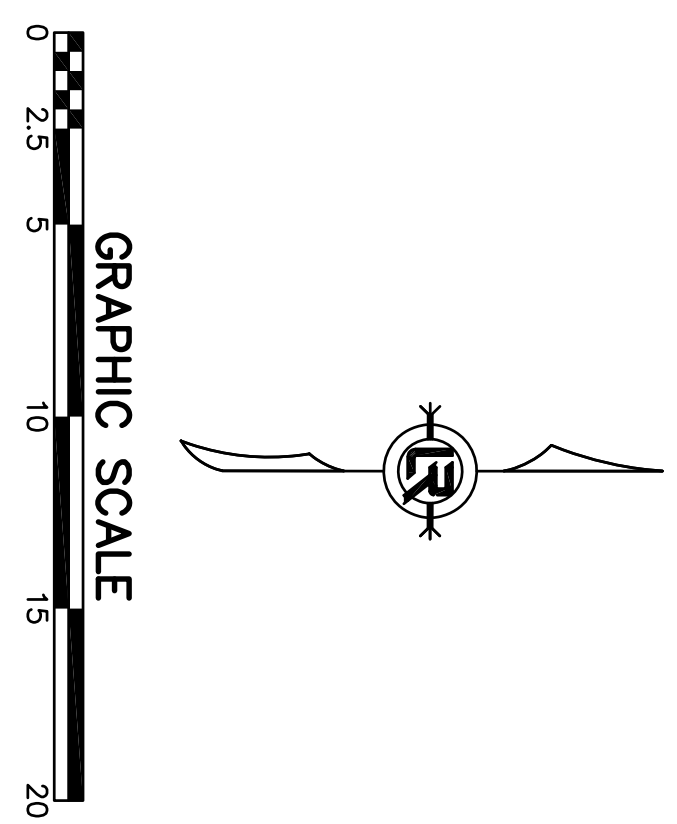
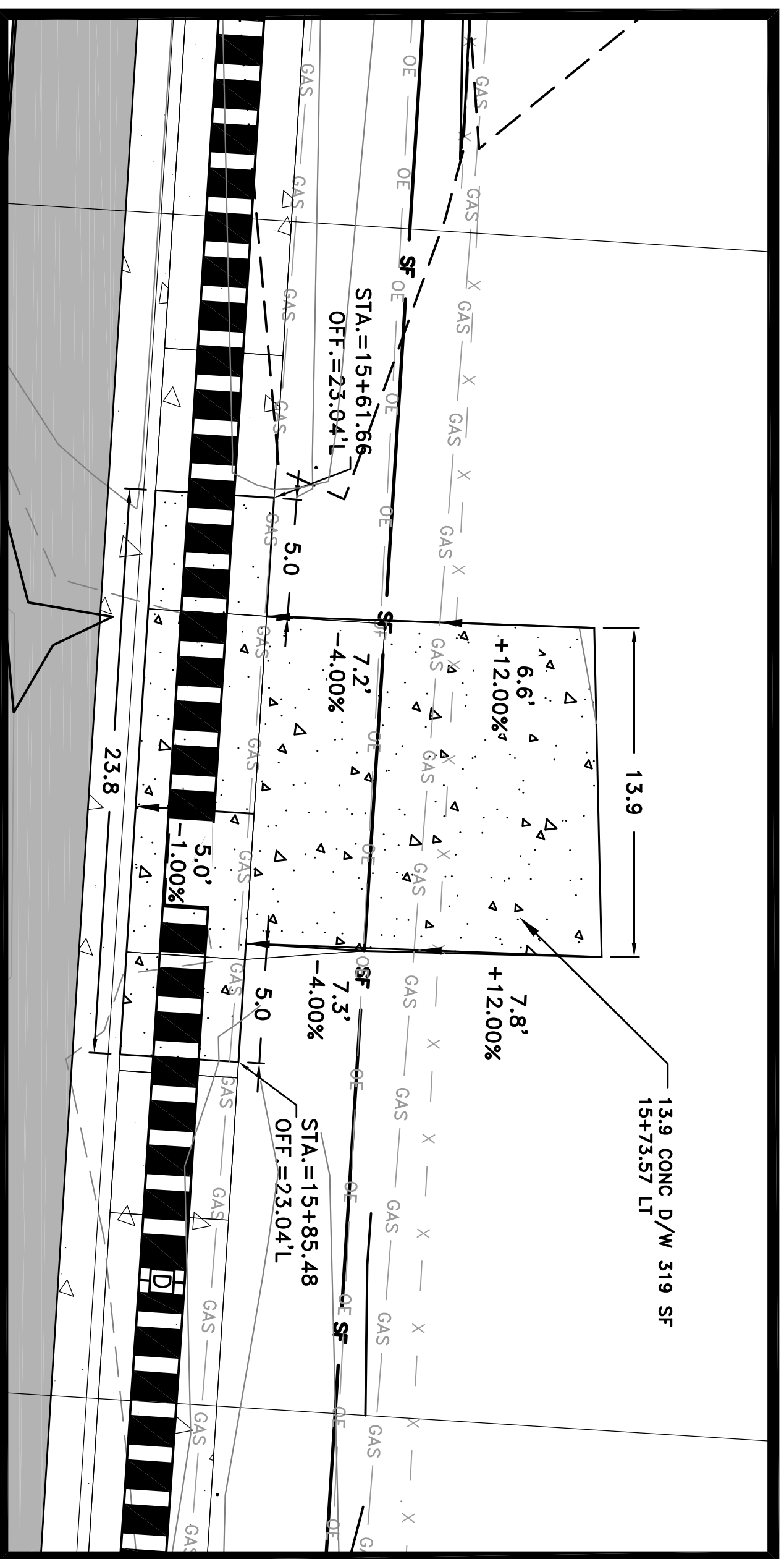
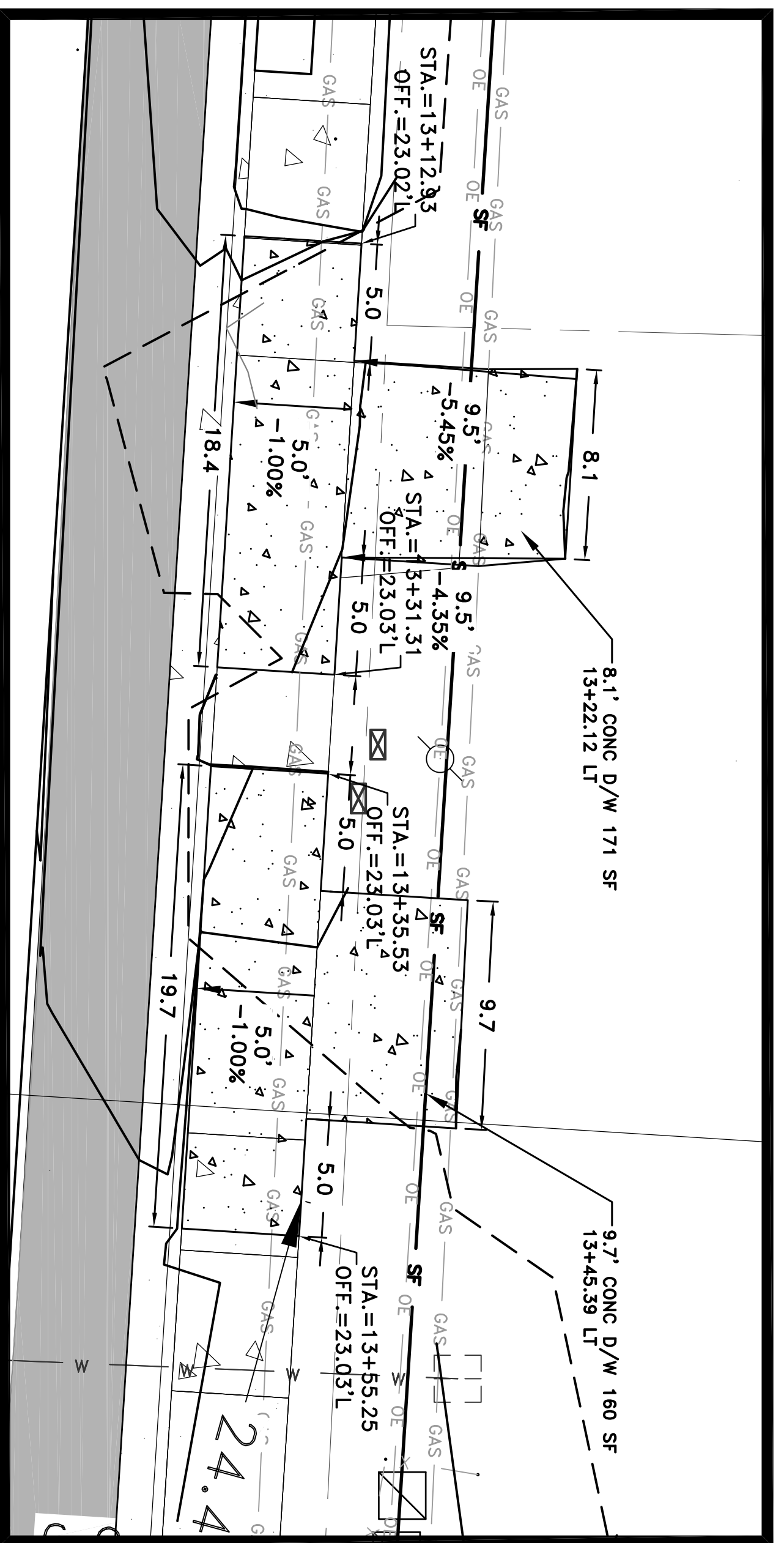
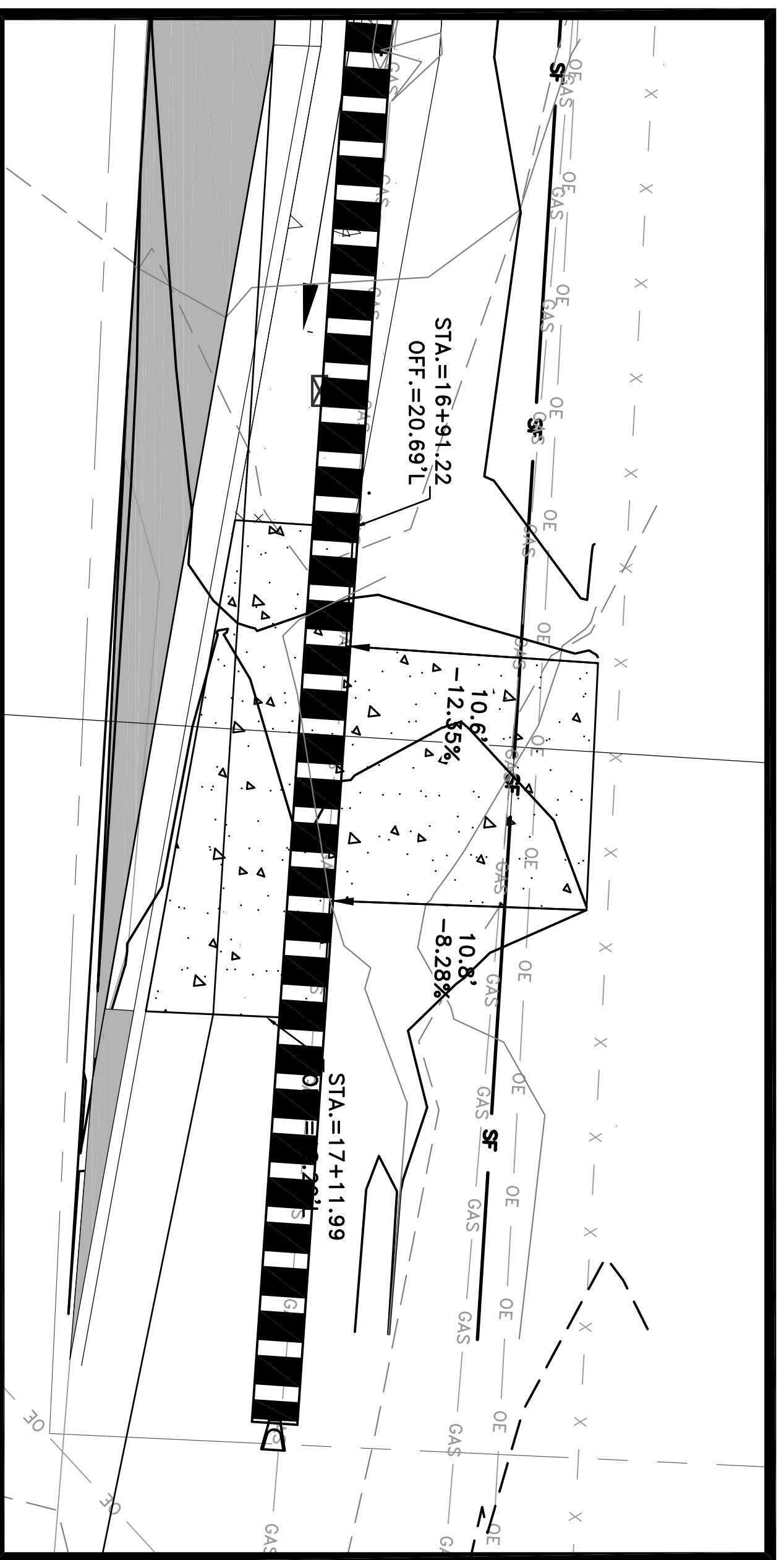
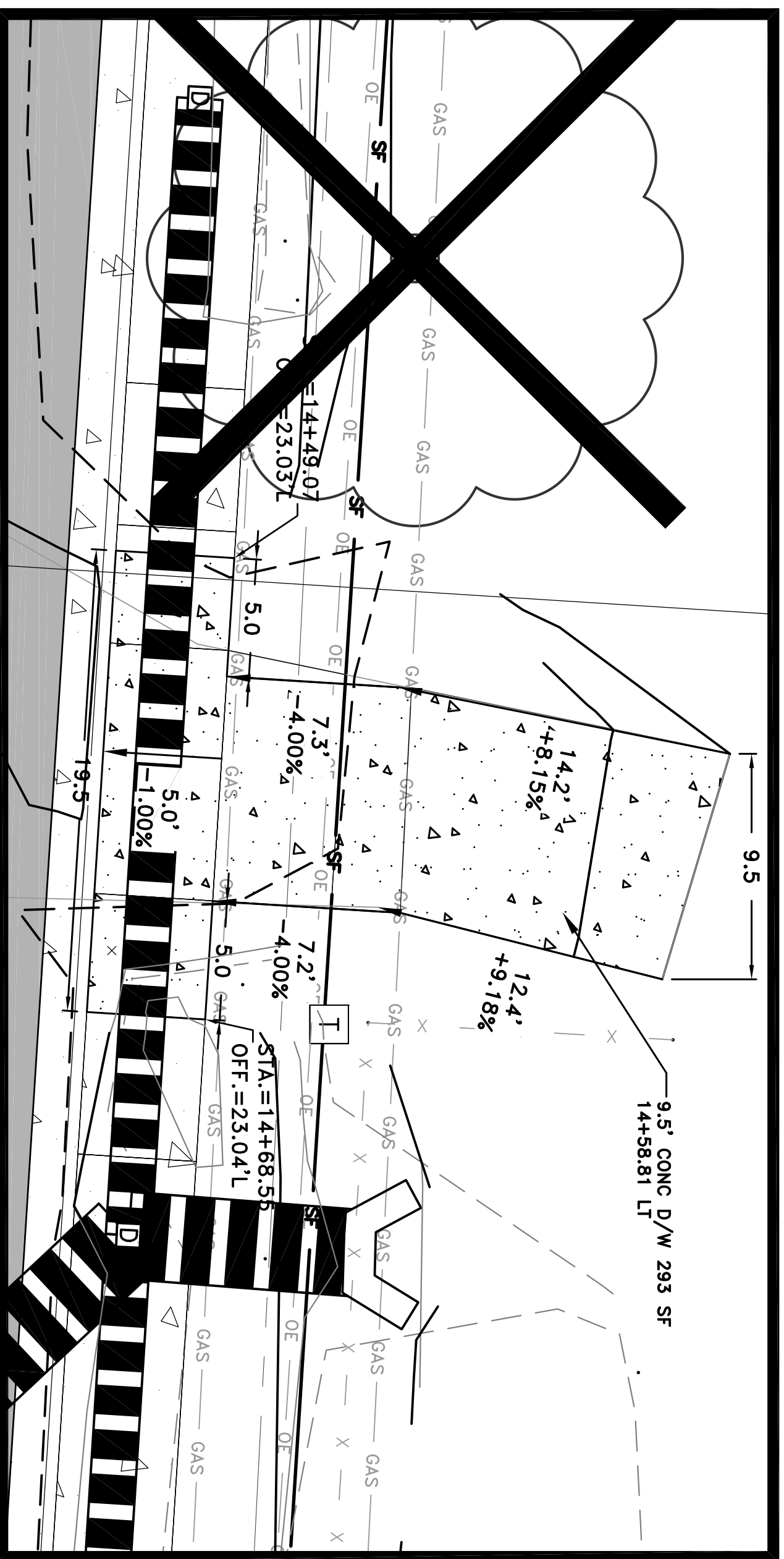
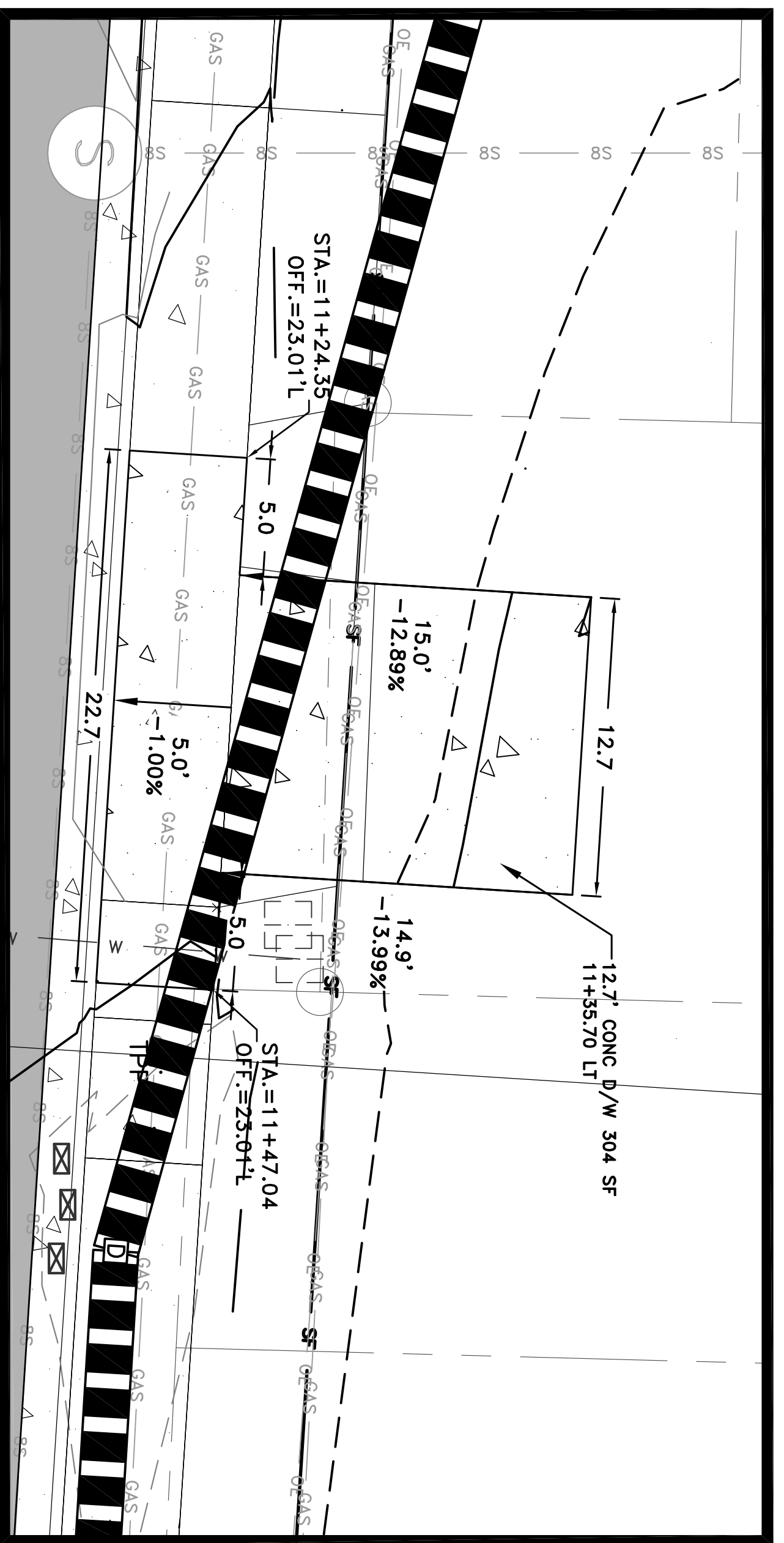

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**CROSS SECTIONS IV**

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

**PRELIMINARY**  
**90% PLANS**

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 10'
PROJECT NO.	7-17-ST-288
SHEET NO.	<b>C17</b>



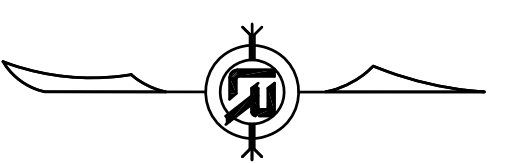
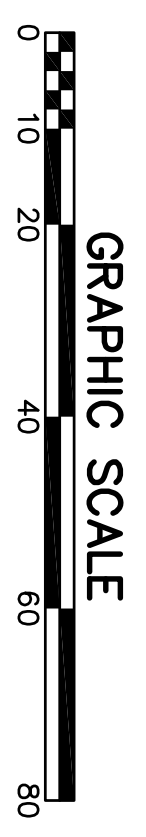
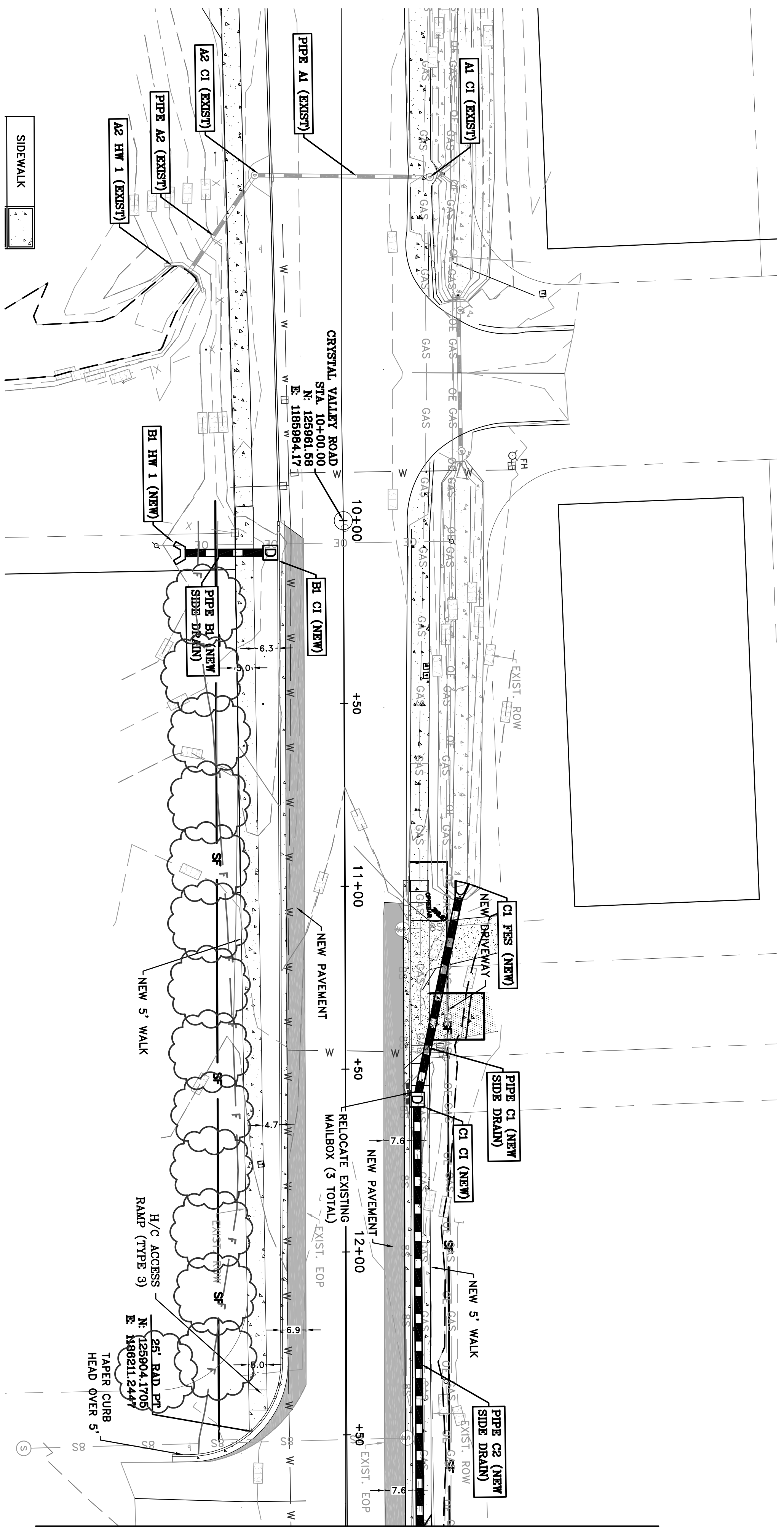
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**  
  
**DRIVEWAY PLAN**

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

**PRELIMINARY**  
**90% PLANS**

DRAWN BY: MJR  
 DESIGNED: MJR  
 CHECKED: REG  
 DATE: 05/10/2019  
 SCALE: 1" = 5'  
 PROJECT NO.: 7-17-ST-288  
 SHEET NO.: **C18**



MATCHLINE

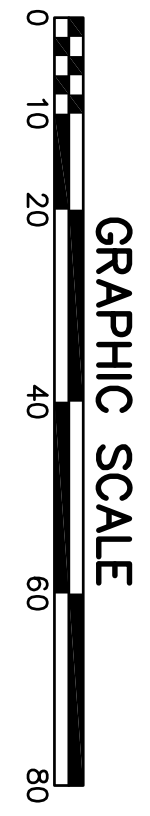
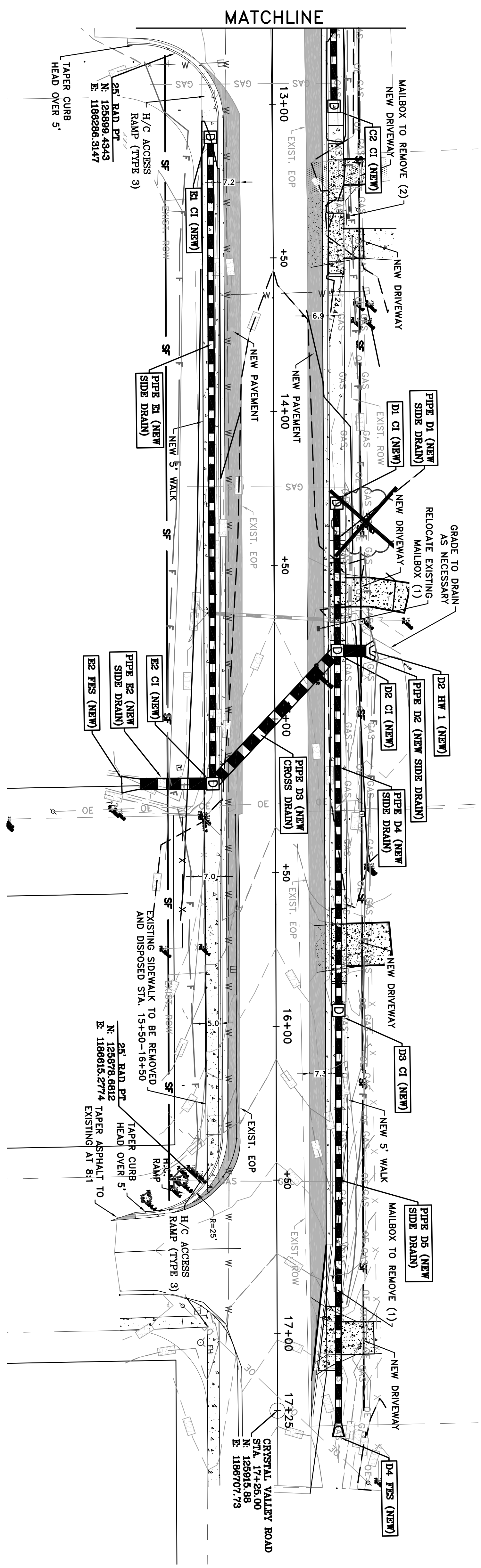
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 PROJECT NO. 7-17-ST-288  
 CRYSTAL VALLEY ROAD  
 EROSION CONTROL PLAN I

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

**PRELIMINARY  
 90% PLANS**

DRAWN BY  
 MJR  
 DESIGNED  
 MJR  
 CHECKED  
 REG  
 DATE  
 05/10/2019  
 SCALE  
 1" = 20'  
 PROJECT NO.  
 7-17-ST-288  
 SHEET NO.  
**C19**



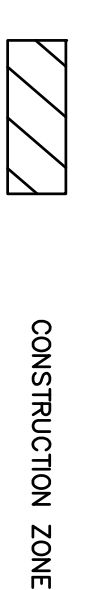
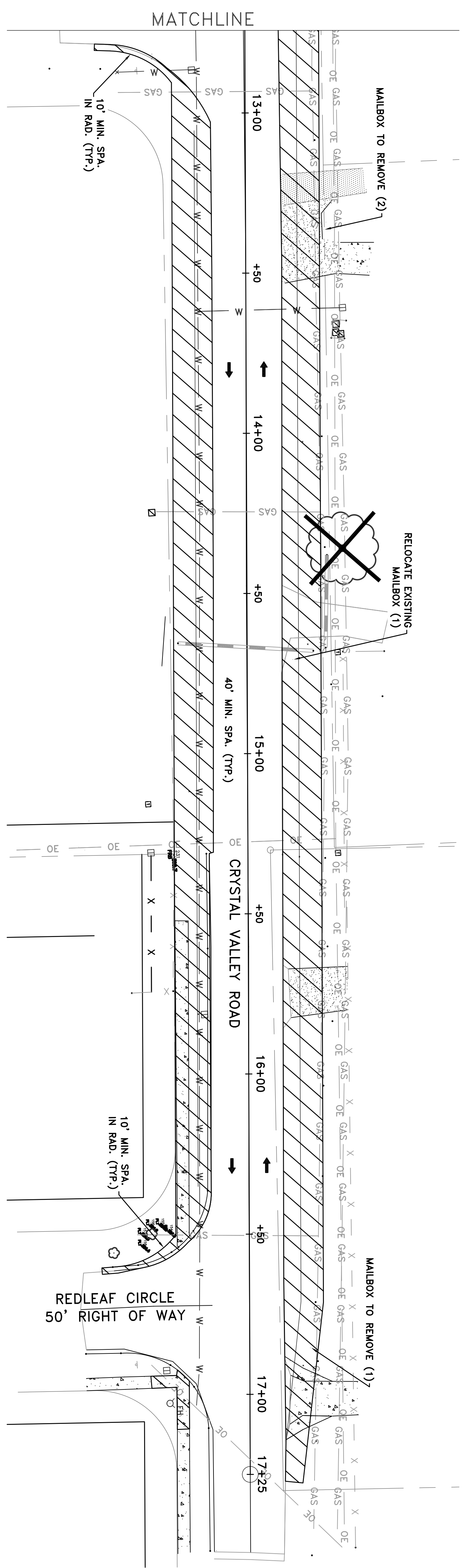
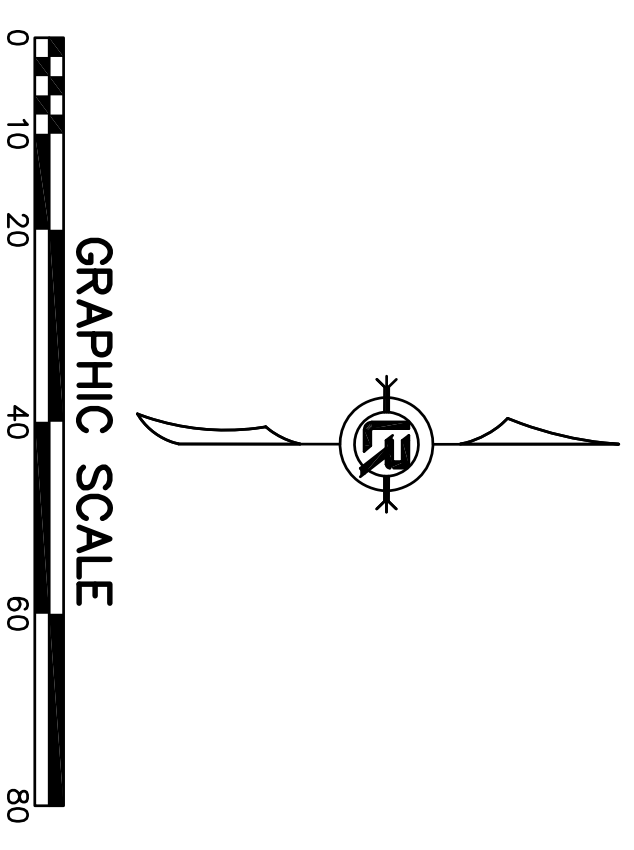
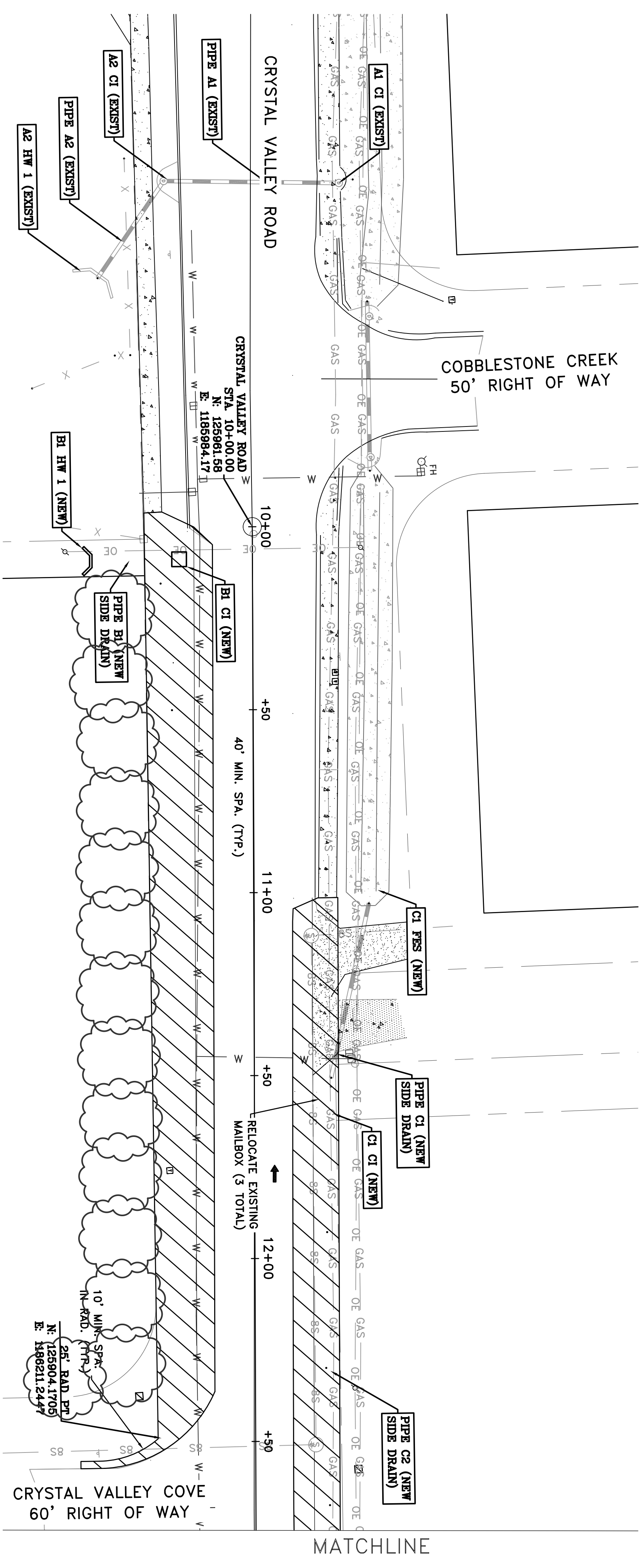
DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 20'
PROJECT NO.	7-17-ST-288
SHEET NO.	C20

**PRELIMINARY  
90% PLANS**

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

CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD  
EROSION CONTROL PLAN II

REVISIONS	DATE



MAINTENANCE OF TRAFFIC NOTES:

1. WITHIN CONSTRUCTION LIMITS CONTRACTOR SHALL:
  - MAINTAIN CONTINUOUS VEHICULAR ACCESS TO ALL RESIDENCES AND COMMERCIAL PROPERTIES.
  - PROVIDE, INSTALL, AND MAINTAIN (INCLUDING RELOCATION AS NEEDED) ALL TRAFFIC CONTROL DEVICES.
  - PROVIDE CHANNELING DEVICES (BURN OR CONES) THROUGHOUT PROJECT TO SEPARATE OPEN TRAFFIC LANES/PATHS FROM CONSTRUCTION AREAS.

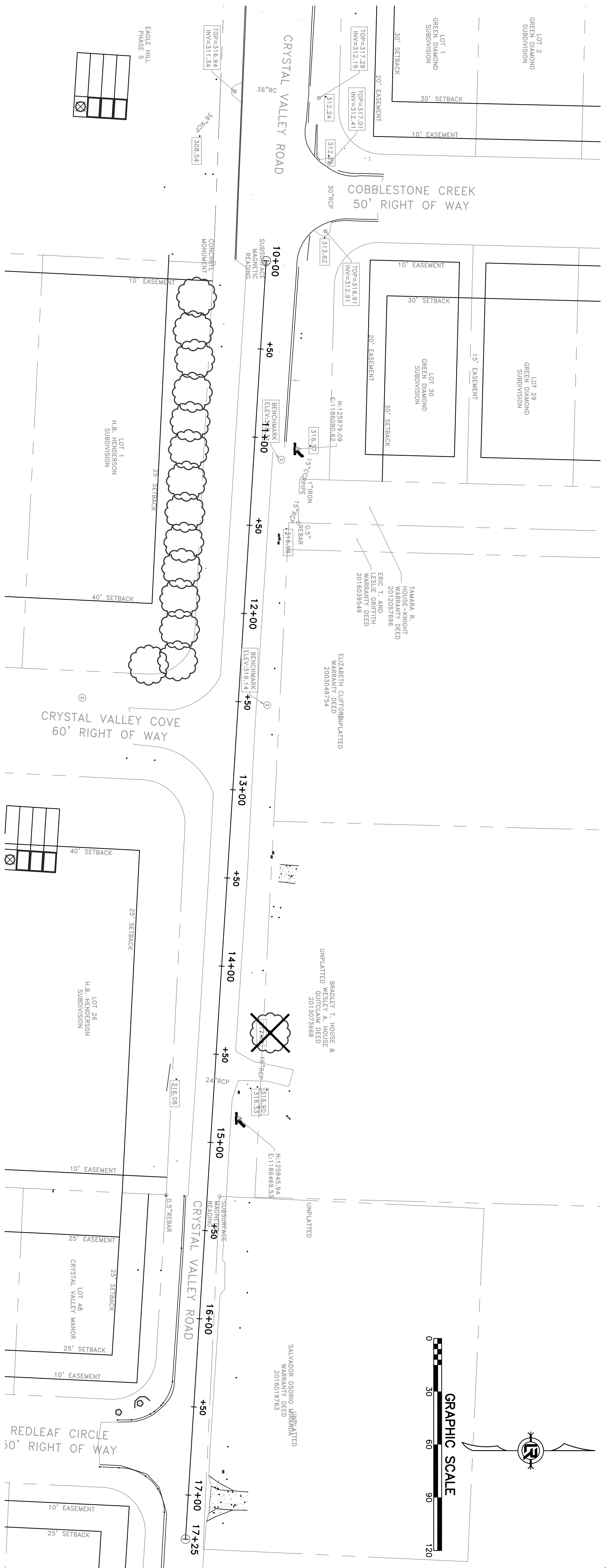
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**PROJECT NO. 7-17-ST-288**  
**CRYSTAL VALLEY ROAD**  
  
**MAINTENANCE OF TRAFFIC PLAN**

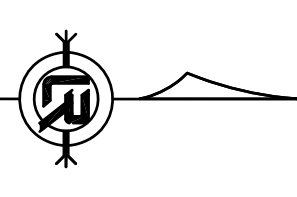
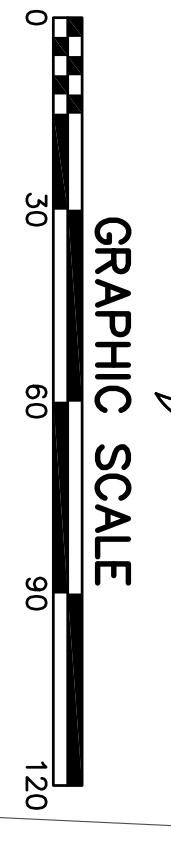
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

**PRELIMINARY**  
**90% PLANS**

DRAWN BY	MJR
DESIGNED	MJR
CHECKED	REG
DATE	05/10/2019
SCALE	1" = 20'
PROJECT NO.	7-17-ST-288
SHEET NO.	<b>C21</b>

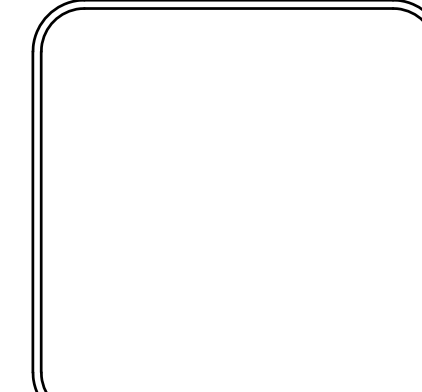


SURVEY CONTROL COORDINATES	NORTHING	EASTING	ELEV.
CP REBAR	125979.09	1186090.62	318.67
CP REBAR	125945.94	1186469.53	320.65



CITY OF LITTLE ROCK, ARKANSAS  
PROJECT NO. 7-17-ST-288  
CRYSTAL VALLEY ROAD  
SURVEY CONTROL DETAIL

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



DRAWN BY	MJR
DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 20'
PROJECT NO.	7-17-ST-288
SHEET NO.	C1b

REVISIONS	DATE