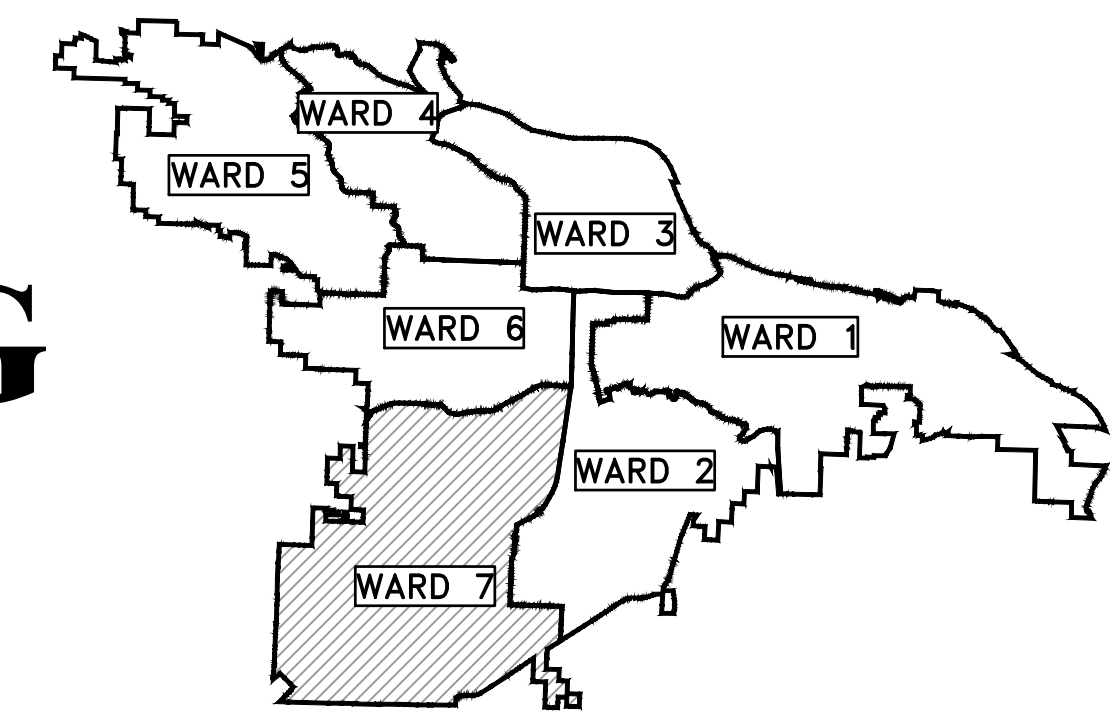


CLR PROJECT #7-17-ST-288

CRYSTAL VALLEY ROAD WIDENING

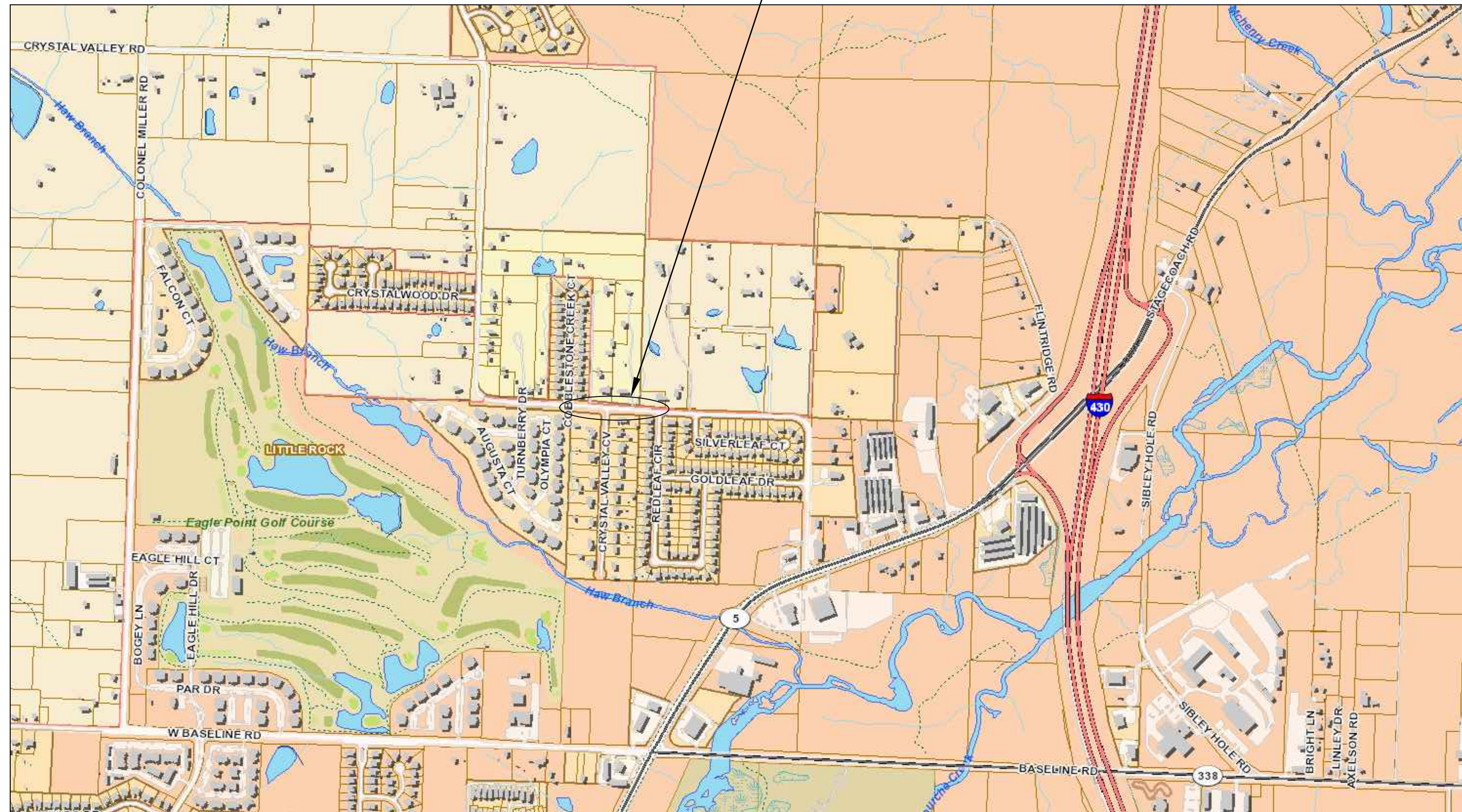
(COBBLESTONE DRIVE TO RED LEAF CIRCLE)

LITTLE ROCK, ARKANSAS



PROJECT LOCATION - WARD 7

PROJECT
LOCATION
(125961.582,1185984.170)



SCALE 1"=750'

SHEET INDEX	
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	STRIPING PLAN
C21	MAINTENANCE OF TRAFFIC
C22	SURVEY CONTROL DETAIL



2019-2021
BOND PROGRAM

DEPARTMENT OF PUBLIC WORKS
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Know what's below.
Call before you dig.

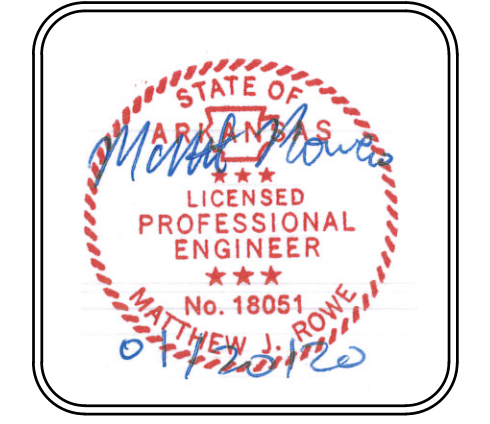


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CITY OF LITTLE ROCK, ARKANSAS
PROJECT NO. 7-17-ST-288
CRYSTAL VALLEY ROAD
COVER SHEET

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PROJECT NO.	7-17-ST-288
SHEET NO.	C1

CLR PROJECT# 7-17-ST-288			
CRYSTAL VALLEY IMPROVEMENTS			
November 27, 2019			
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION	LS	1
3.01	UNCLASSIFIED EXCAVATION	CY	197
3.06	BORROW MATERIAL	CY	868
4.01	AGGREGATE BASE COURSE	TON	388
5.01	TACK COAT	GAL	70
6.01	ACHM SURFACE COURSE	TON	78
6.20	ACHM BINDER COURSE	TON	78
7.06	CONCRETE DRIVEWAY (6" THICK), STANDARD FINISH	SF	949 609
8.03	CONCRETE CURB AND GUTTER (CLASS 3)	LF	1,446 1232
9.04	CONCRETE SIDEWALK (4" THICK)	SF	5,960 5060
10.03	CURB INLET SPECIAL W. YARD DRAIN 5 x 5 Box	EA	3 2
10.05	CURB INLET - 5' BOX	EA	3
10.06	CURB INLET - 6' BOX	EA	2
10.07	WING 3' EXTENSION	EA	8 7
11.06	REINFORCED CONCRETE HEADWALL	CY	3
13.18	STORM DRAIN PIPE, 18" SIDE DRAIN	LF	735.0 510
13.36	STORM DRAIN PIPE, 36" CROSS DRAIN	LF	62.0
13.36	STORM DRAIN PIPE, 36" SIDE DRAIN	LF	33.0
14.01	SOLID SODDING, MATCH EXISTING SOD TYPE	SY	1,312
16.01	MAINTENANCE OF TRAFFIC	LS	1
18.50	ACCESS RAMP TYPE 3	SF	360
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	2
24.05	CHECK DAM (CD)	CY	12
24.11	SILT FENCE - TYPE A (SFA)	LF	1,286
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	1
606.36	FLARED END SECTION 36"	EA	1
719.04Y	THERMOPLASTIC PAVEMENT MARKING DASHED YELLOW (4")	LF	653
719.04Y	THERMOPLASTIC PAVEMENT MARKING SOLID YELLOW (4")	LF	430

<p>EXISTING</p> <ul style="list-style-type: none"> IRON ROD ○ IR PK NAIL ○ PK R.R. SPIKE ○ RR(Sp) CONC. MONUMENT □ CM WATER VALVE X WV WATER METER □ WM FIRE HYDRANT □ FH GAS METER □ GM GAS VALVE ⊗ GV CLEAN-OUT ○ CO GUARD POST (BOLLARD) ● GP SIGN POST T BENCHMARK ⊕ STORM SEWER MANHOLE (D) SANITARY SEWER MANHOLE (S) TELEPHONE MANHOLE (T) ELECTRIC MANHOLE (E) TELEPHONE BOX (B) ELECTRIC BOX (E) CABLE BOX (C) UTILITY POLE (U) GUY WIRE (G) LIGHT POLE (L) POST OR POLE (TYPE AS NOTED) (P) MAILBOX (M) DECIDUOUS TREE (D) EVERGREEN/CONIFEROUS TREE (E) BUSH (B) PROPERTY LINE (---) SETBACK LINE (---) EASEMENT LINE (---) CURB (---) FENCE (--- X --- X ---) OVERHEAD UTILITY (--- OHP --- OHP ---) UNDERGROUND TELEPHONE (--- UGT --- UGT --- UGT ---) UNDERGROUND ELECTRIC (--- UGE --- UGE --- UGE ---) WATER LINE (--- 8"W --- 8"W --- 8"W ---) SEWER LINE (--- BS --- BS --- BS ---) GAS LINE (--- GAS --- GAS --- GAS ---) STORM SEWER/CULVERT (--- 24" CMP/RCP/DIP ---) CONTOUR LINE (--- 650 ---) 	<p>PROPOSED</p> <ul style="list-style-type: none"> CONTOUR (25.00, 25.50, 26.00) SPOT ELEVATION SPOT CURB ELEVATION STORM SEWER - PIPE STORM SEWER - MITERED END SECTION STORM SEWER - GRATE INLET STORM SEWER - JUNCTION BOX STORM SEWER - FLARED END SECTION STORM SEWER - HEADWALL STORM SEWER - INLET WITH SINGLE EXTENSION STORM SEWER - INLET WITH DOUBLE EXTENSION STORM SEWER - AREA INLET GRADE BREAK LINE HIGH POINT (HP) LOW POINT (LP) CUT LINE (C) FILL LINE (F) SANITARY SEWER PIPE SANITARY SEWER MANHOLE CURB CONCRETE CONSTRUCTION - ENTRANCE/EXIT CHECK DAM DIVERSION BERM DOWNDRAIN STRUCTURE - TEMPORARY ROCK DAM SEDIMENT BARRIER - SILT FENCE SEDIMENT BARRIER - GRAVEL RING SEDIMENT BARRIER - BLOCK & GRAVEL SEDIMENT BARRIER - BLOCK TEMPORARY SEDIMENT BASIN SILT FENCE - TYPE A SILT FENCE - TYPE B SILT FENCE - TYPE C STORM DRAIN OUTLET PROTECTION SURFACE ROUGHENING DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION (TS1) DISTURBED AREA STABILIZATION - TEMPORARY GRASSING (TS2) DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3) MATTING/BLANKETS (Mb)
--	---

REVISIONS	DATE

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

DEPARTMENT OF PUBLIC WORKS
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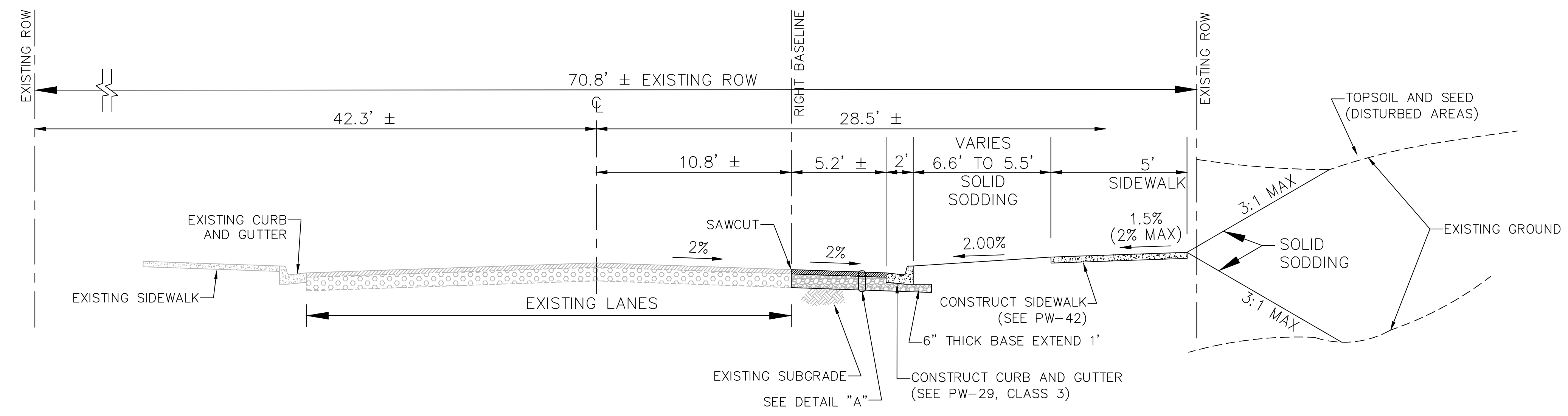
REVISIONS	DATE

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

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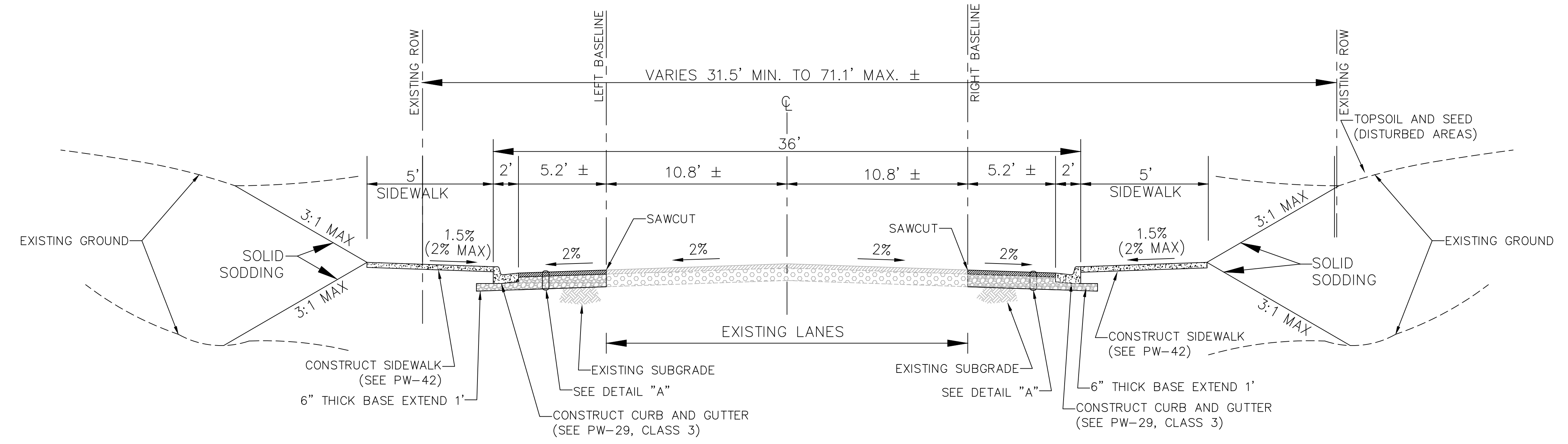


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TYPICAL SECTION ROADWAY - A-A

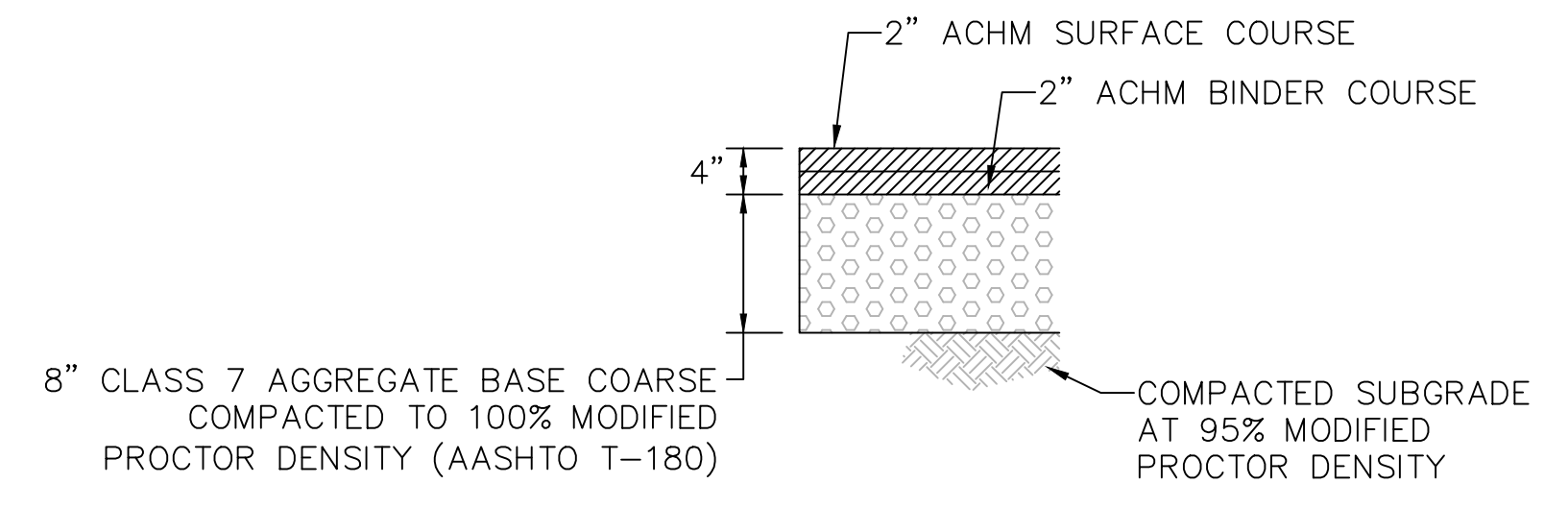
STA. 10+00.00 TO STA. 11+01.50



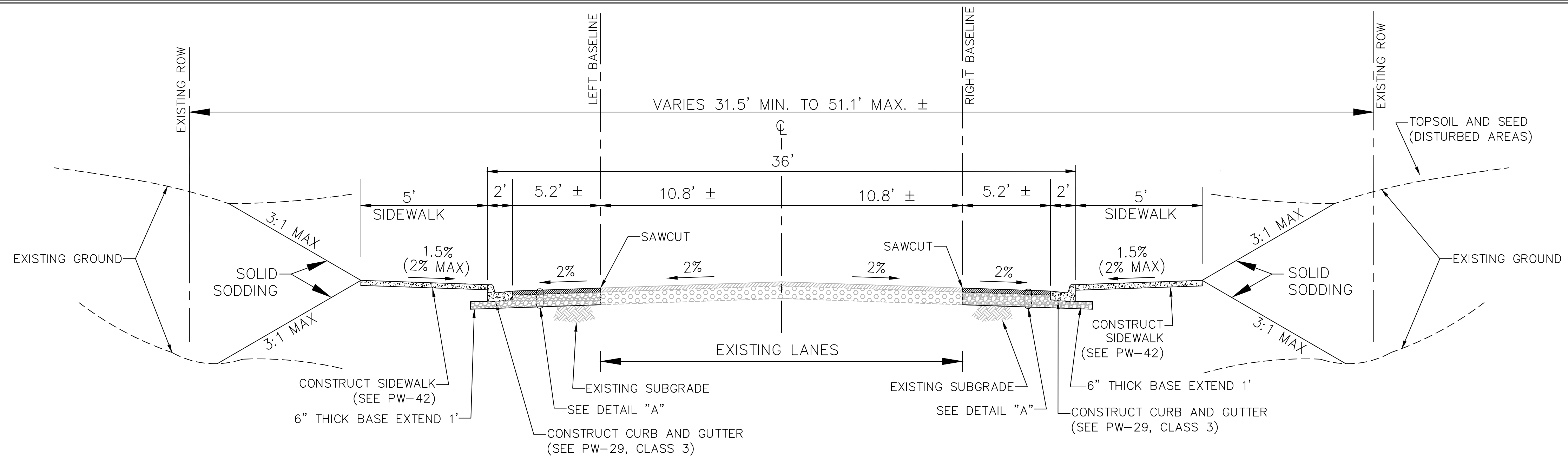
TYPICAL SECTION ROADWAY - B-B

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)

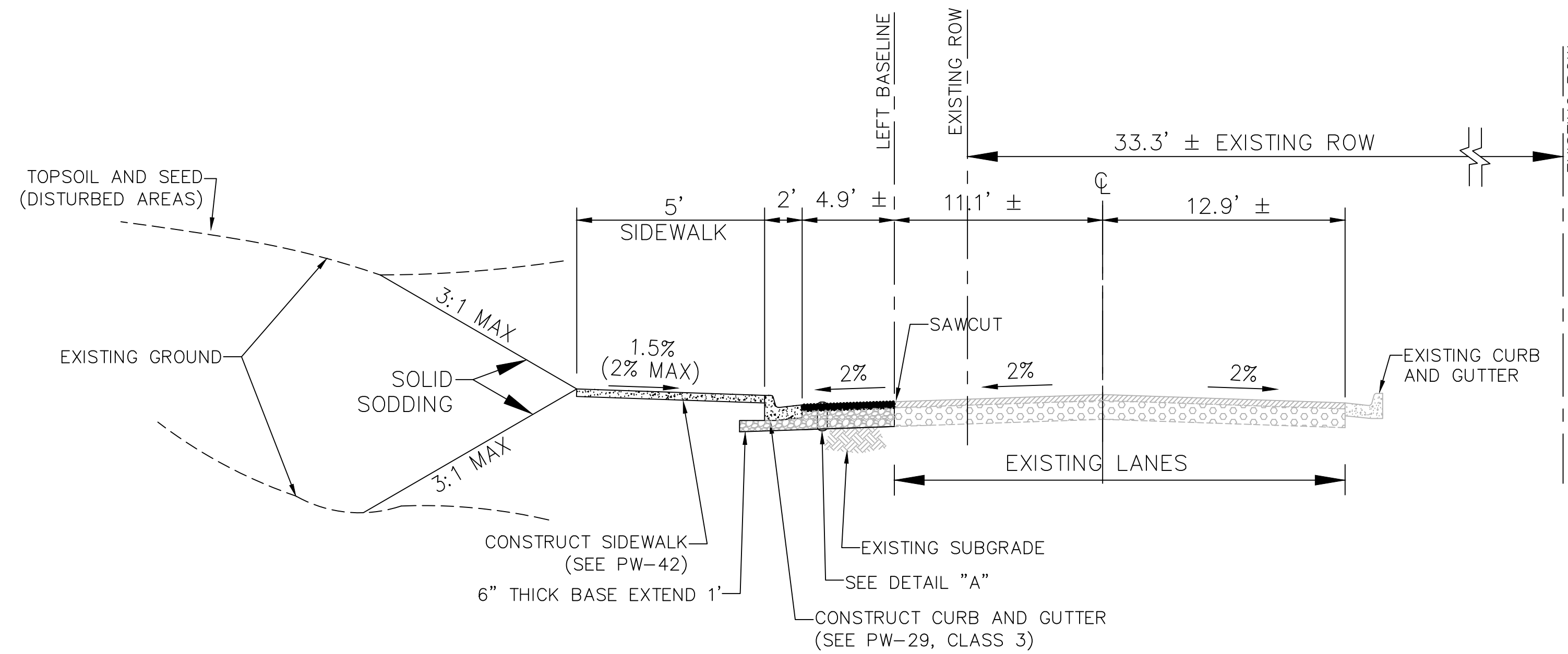


DETAIL "A" - ASPHALT PAVEMENT SECTION



TYPICAL SECTION ROADWAY - C-C

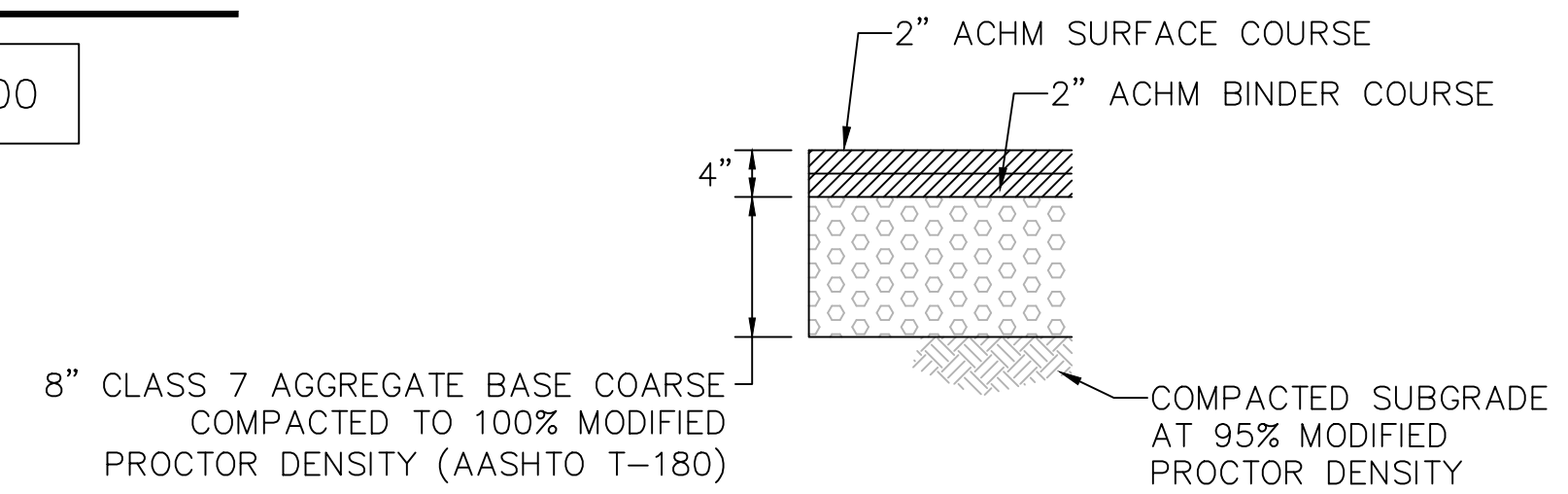
STA. 12+68.60 TO STA. 16+72.18



TYPICAL SECTION ROADWAY - D-D

STA. 16+72.18 TO STA. 17+25.00

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

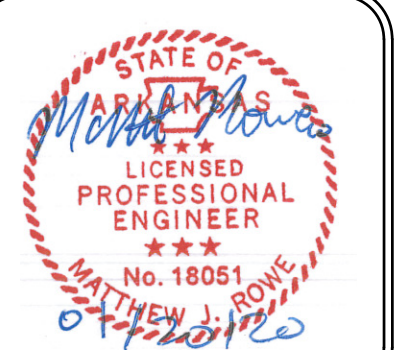


DETAIL "A" - ASPHALT PAVEMENT SECTION

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

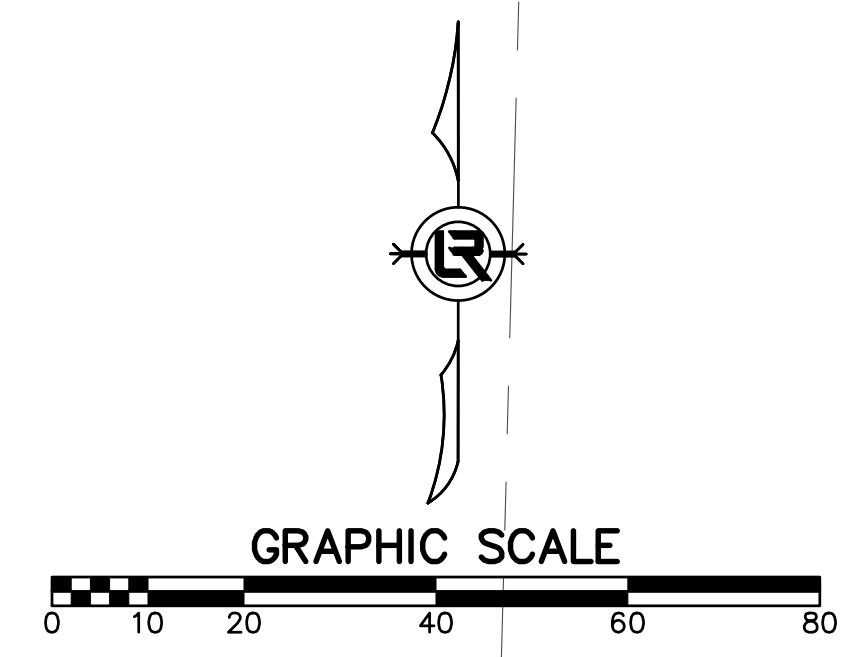
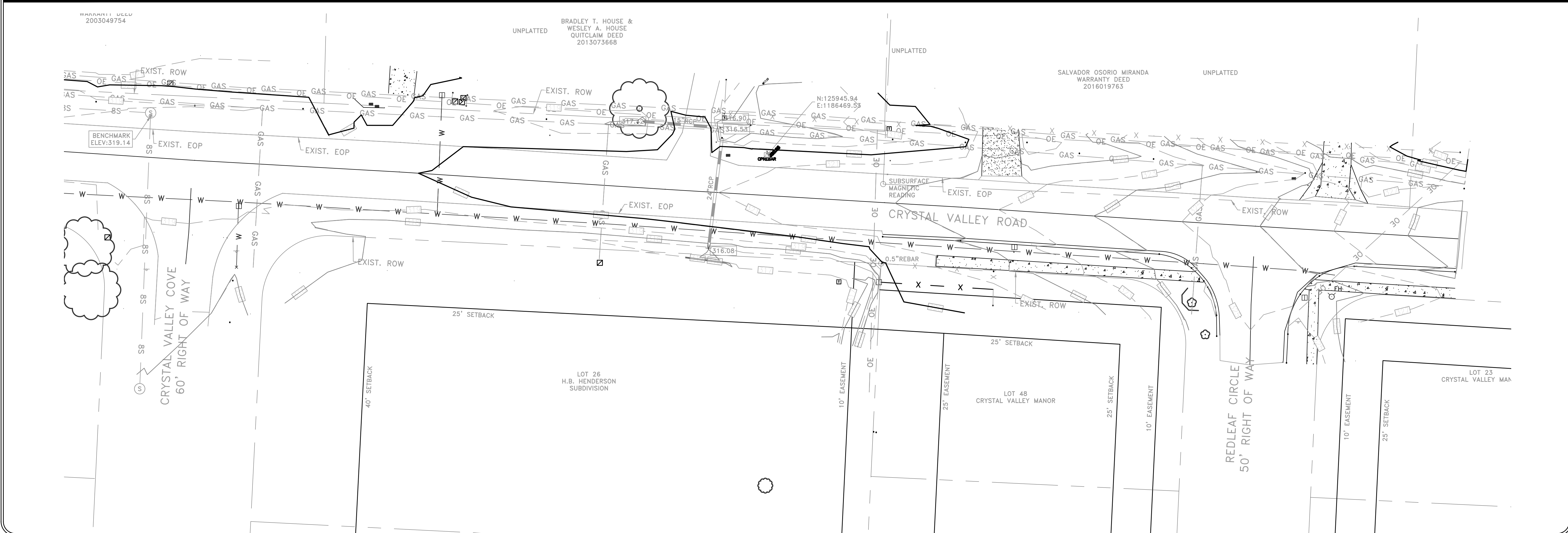
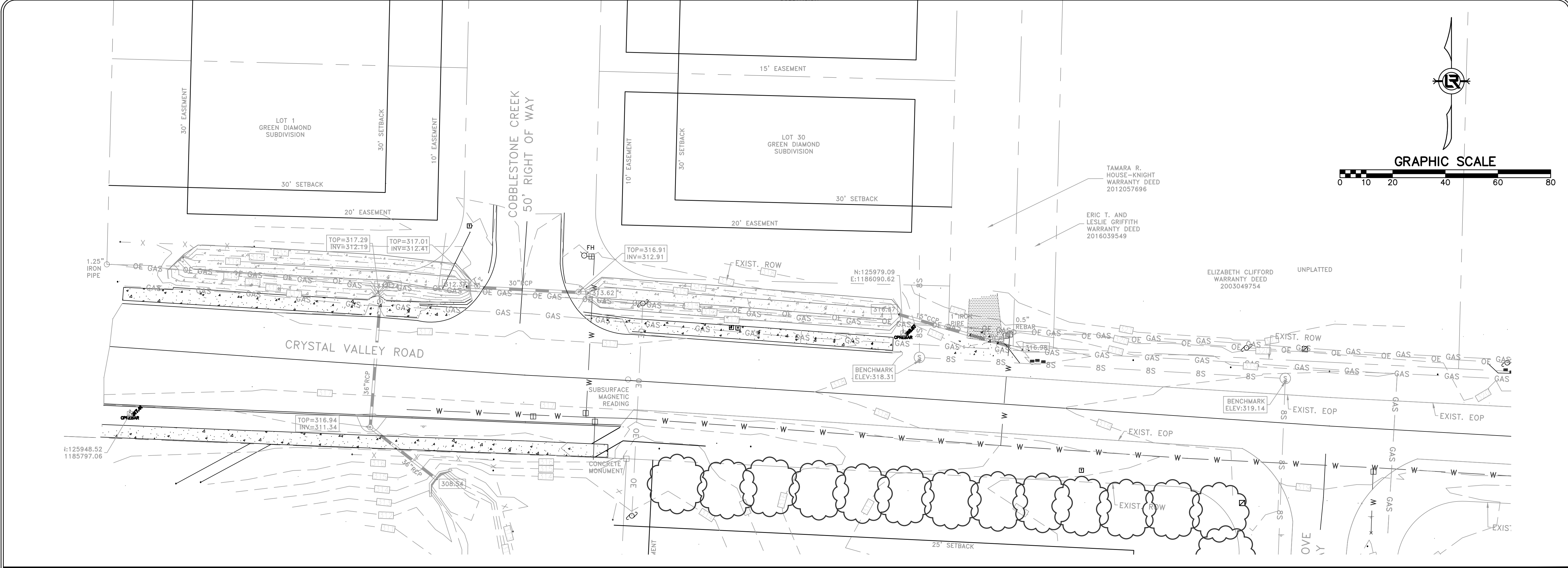
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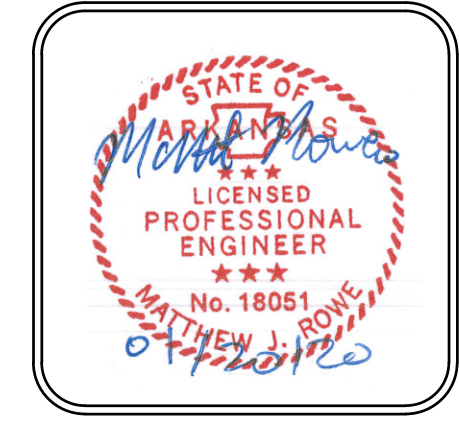
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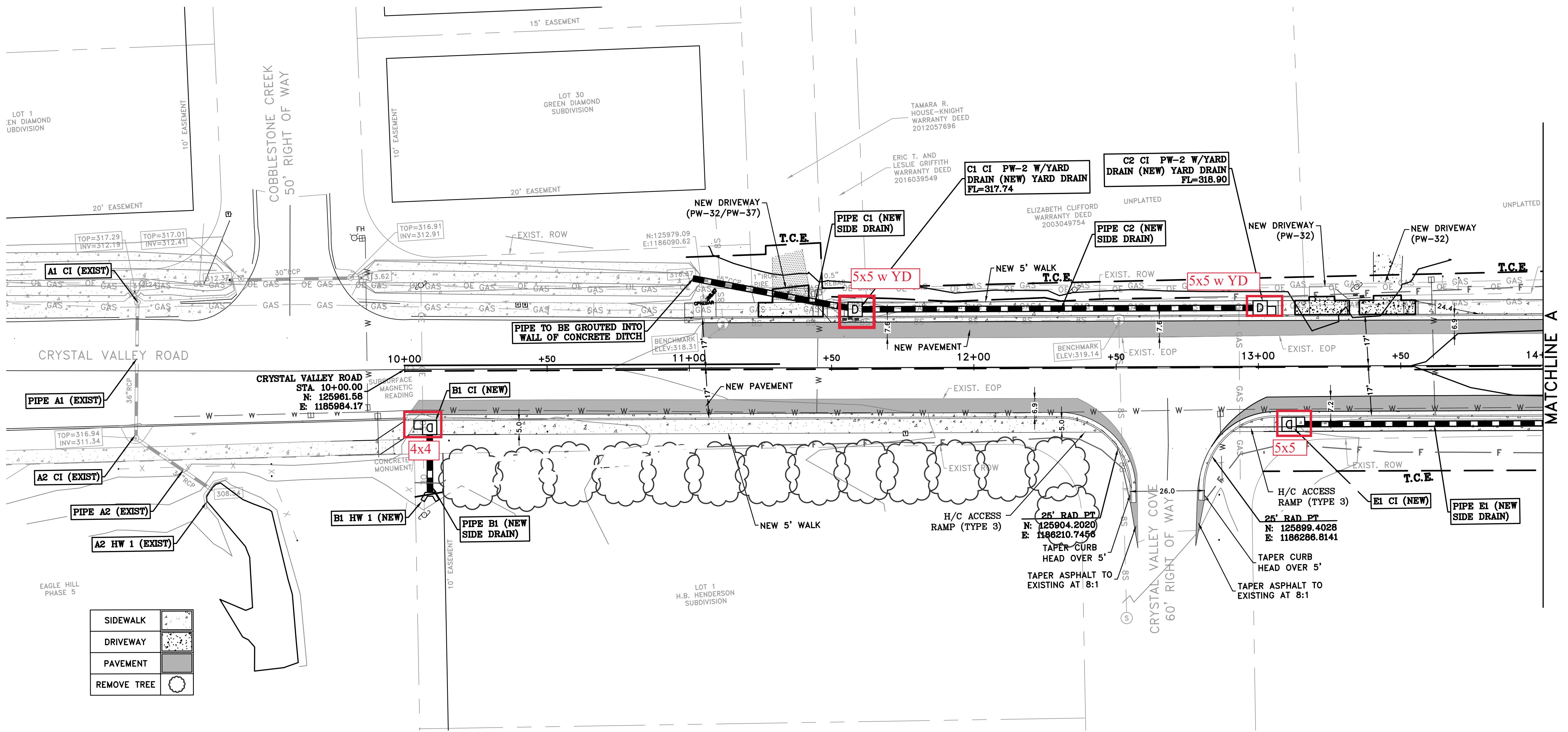
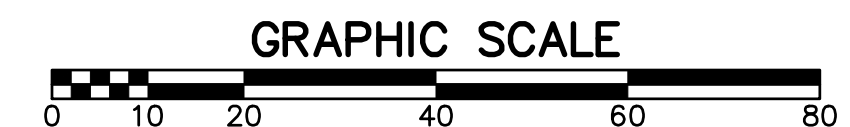
CITY OF LITTLE ROCK, ARKANSAS
PROJECT NO. 7-17-ST-288
CRYSTAL VALLEY ROAD
EXISTING CONDITIONS

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SHEET NO.
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REVISIONS	DATE



SIDEWALK	
DRIVEWAY	
PAVEMENT	
REMOVE TREE	

- NOTES:
- CONTRACTOR TO ESTABLISH POSITIVE DRAINAGE SWALE ON NORTH SIDE OF SIDEWALK BETWEEN CURB INLET C1 TO C2.
 - CONTRACTOR TO ESTABLISH POSITIVE DRAINAGE BETWEEN THE TWO DRIVEWAYS LOCATED AT STA 13+25 AND STA 13+50

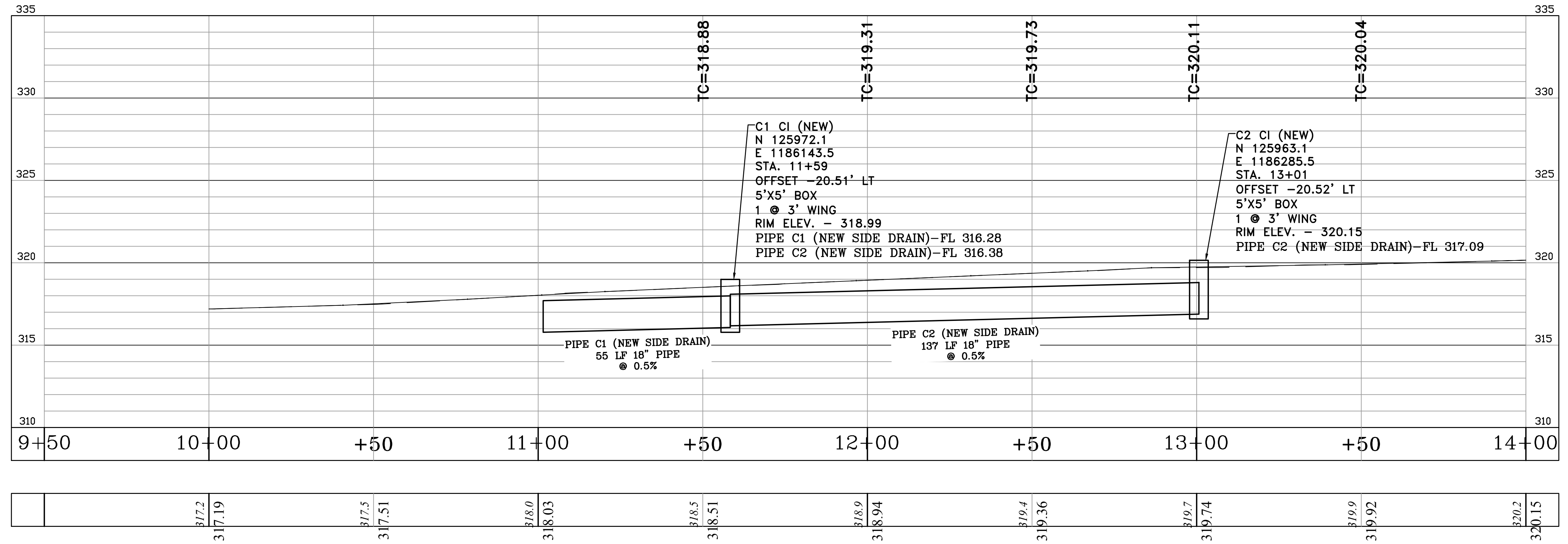
CITY OF LITTLE ROCK, ARKANSAS
 PROJECT NO. 7-17-ST-288
 CRYSTAL VALLEY ROAD
 STREET PLAN I

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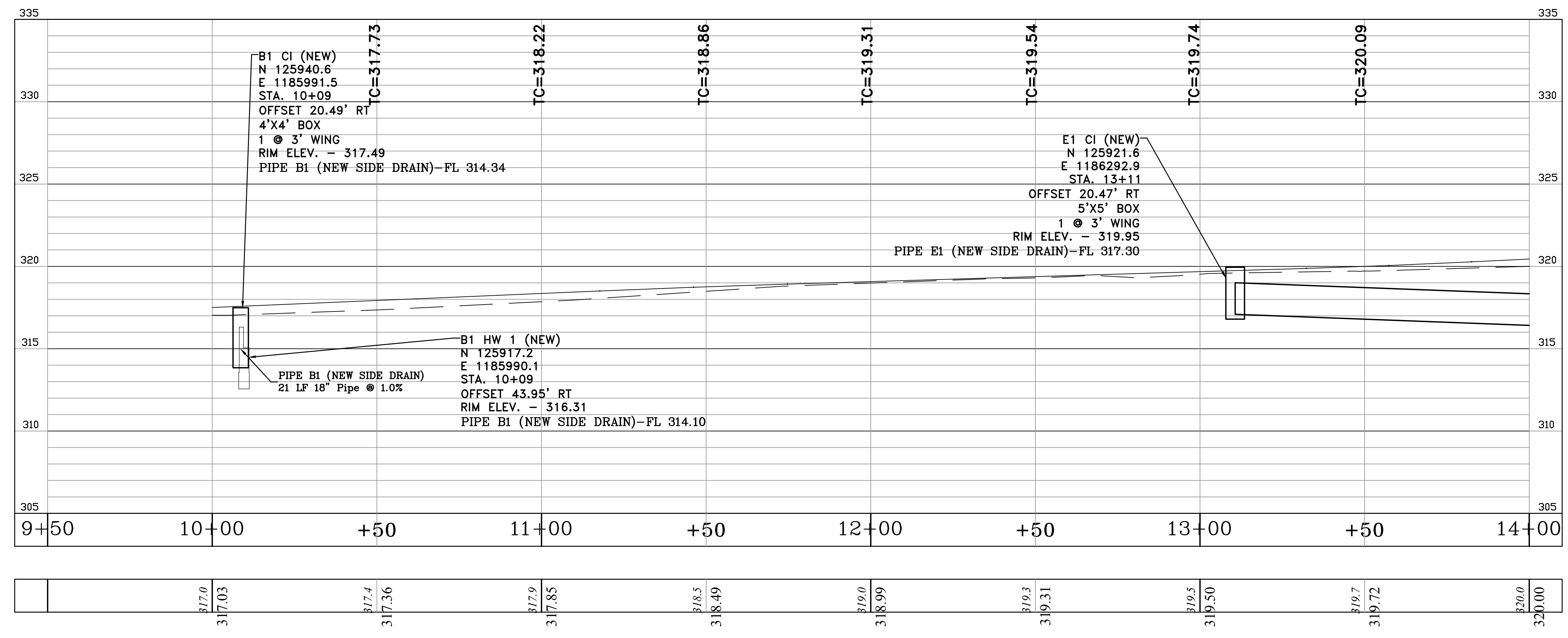


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 SCALE
 1" = 20'
 PROJECT NO.
 7-17-ST-288
 SHEET NO.
 C6

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LEFT BASELINE PROFILE



RIGHT BASELINE PROFILE

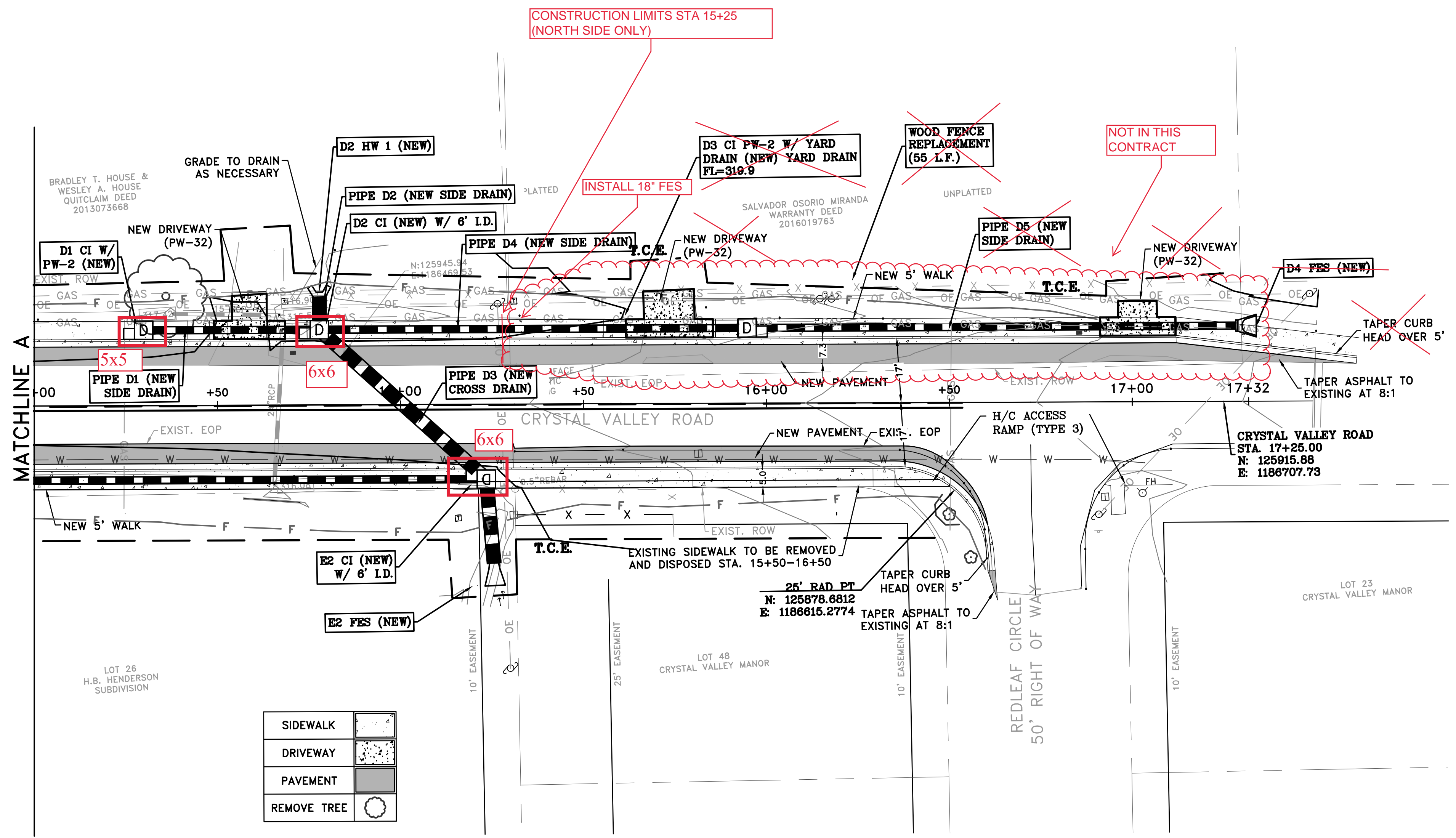
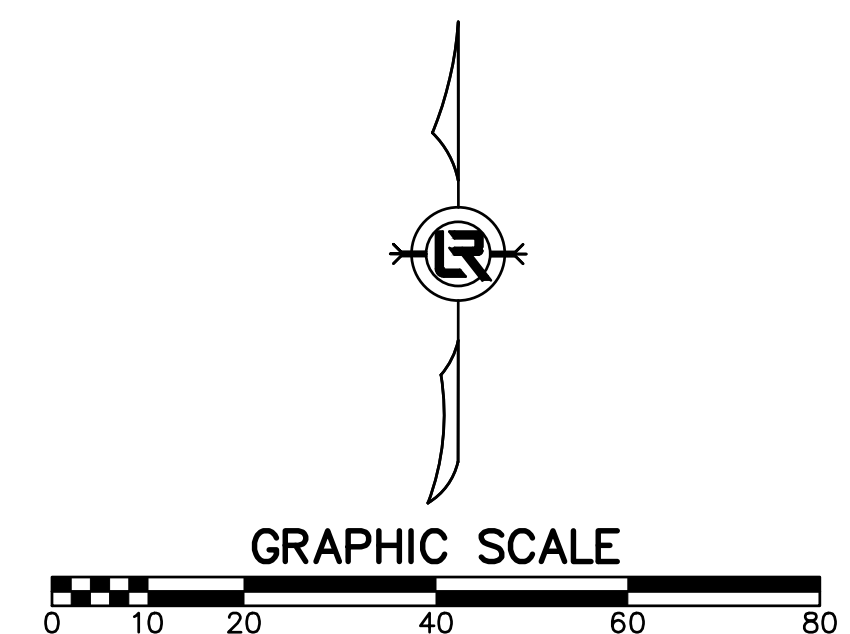
CITY OF LITTLE ROCK, ARKANSAS
PROJECT NO. 7-17-ST-288
CRYSTAL VALLEY ROAD
PROFILE 1

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1" = 20'
PROJECT NO.
7-17-ST-288
SHEET NO.
C7

REVISIONS	DATE



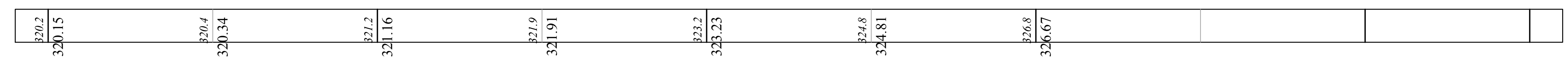
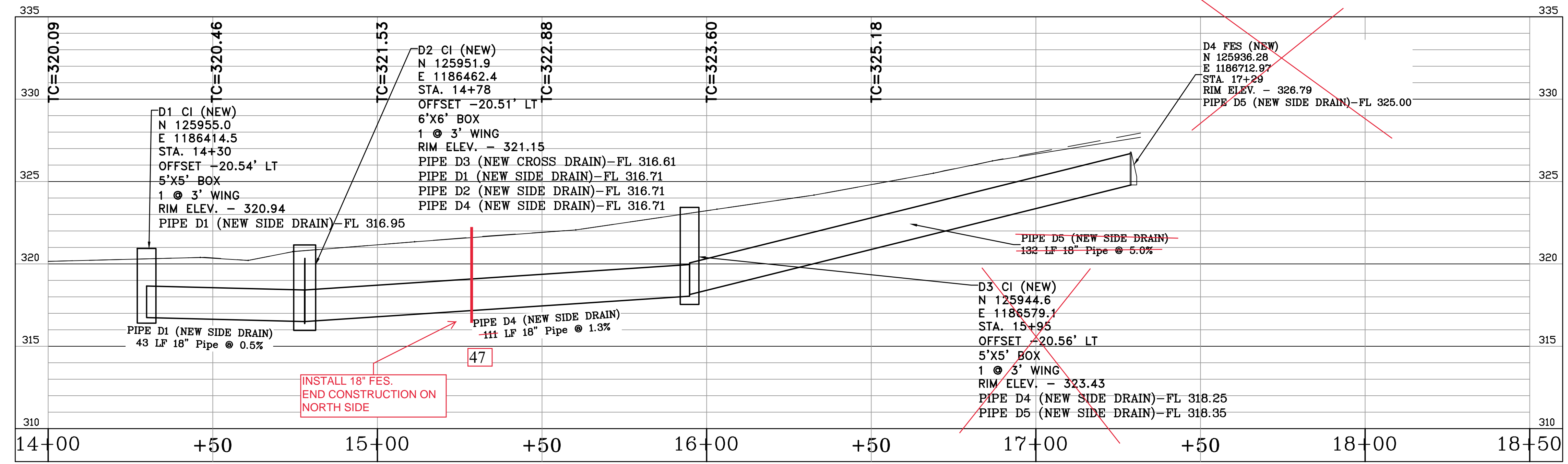
CITY OF LITTLE ROCK, ARKANSAS
 PROJECT NO. 7-17-ST-288
 CRYSTAL VALLEY ROAD
 STREET PLAN II

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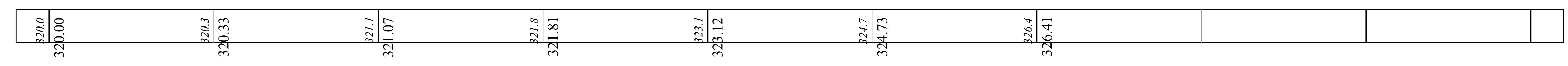
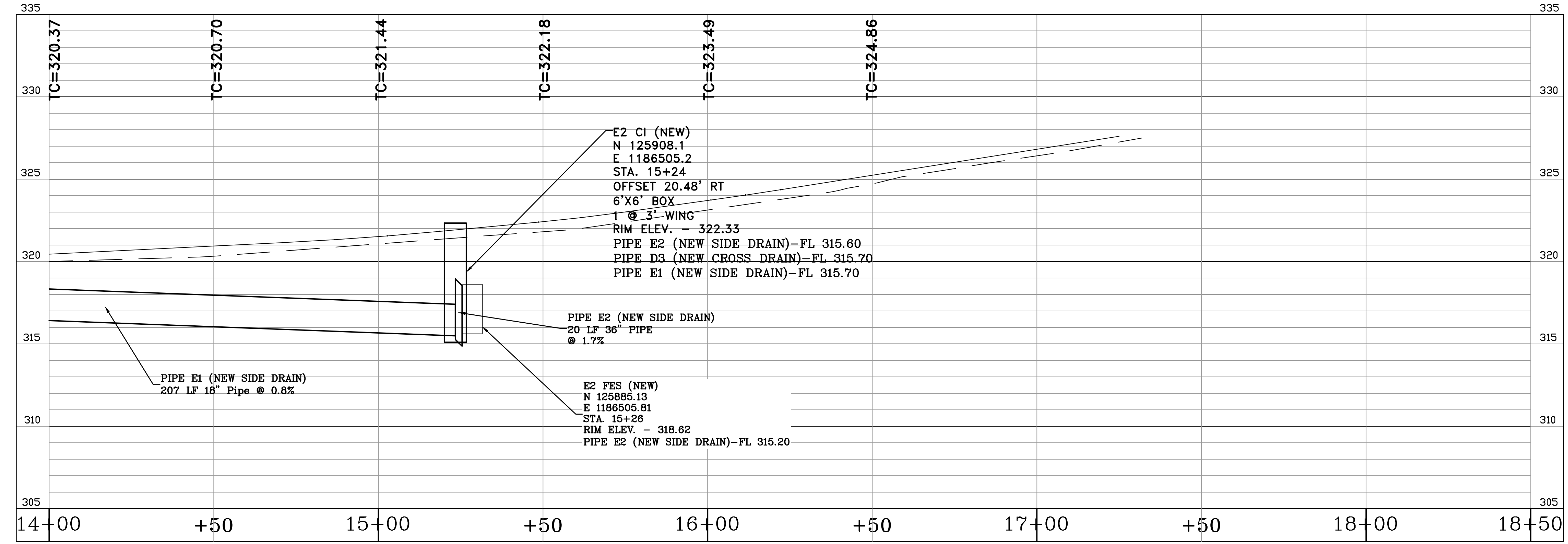


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SCALE
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PROJECT NO.
 7-17-ST-288
SHEET NO.
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REVISIONS	DATE



LEFT BASELINE PROFILE



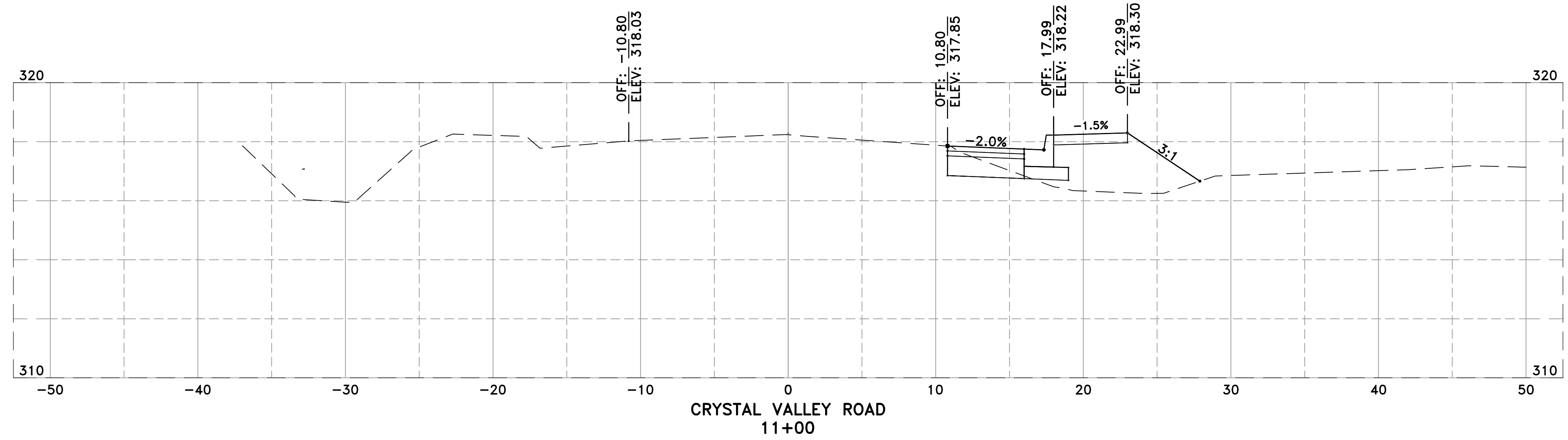
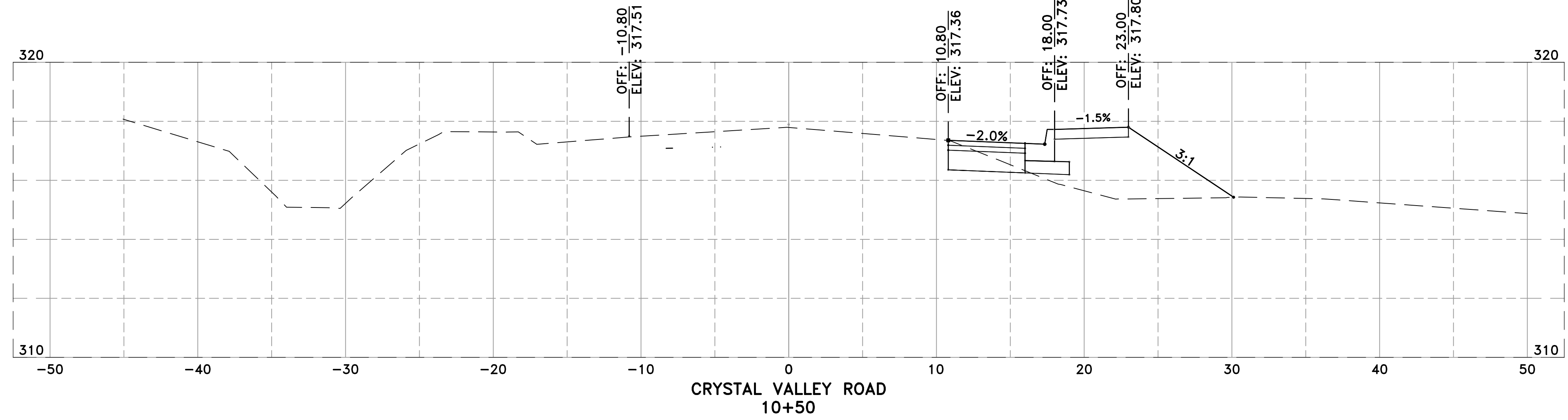
RIGHT BASELINE PROFILE

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

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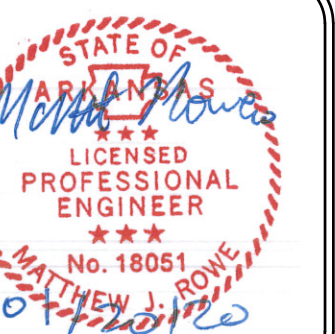
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DATE
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SCALE
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PROJECT NO.
 7-17-ST-288
SHEET NO.
 C9



REVISIONS DATE

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

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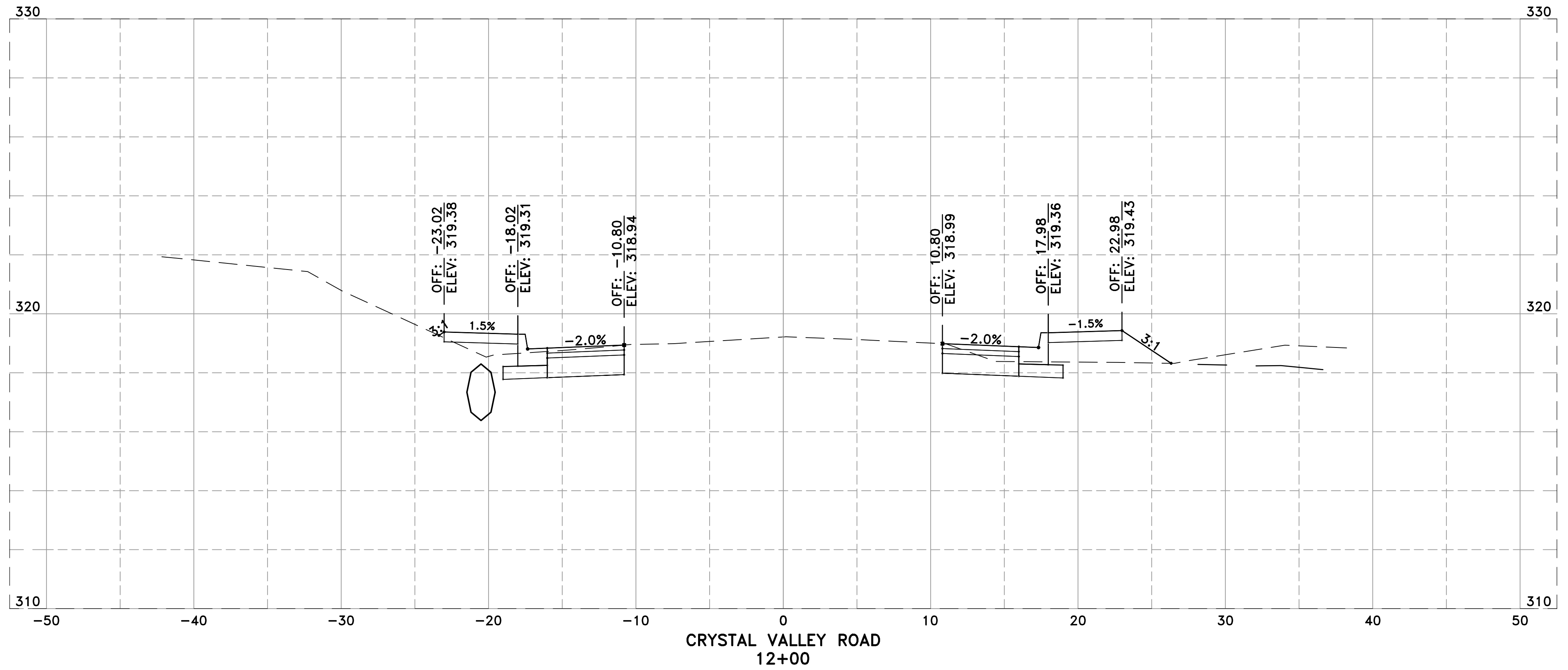
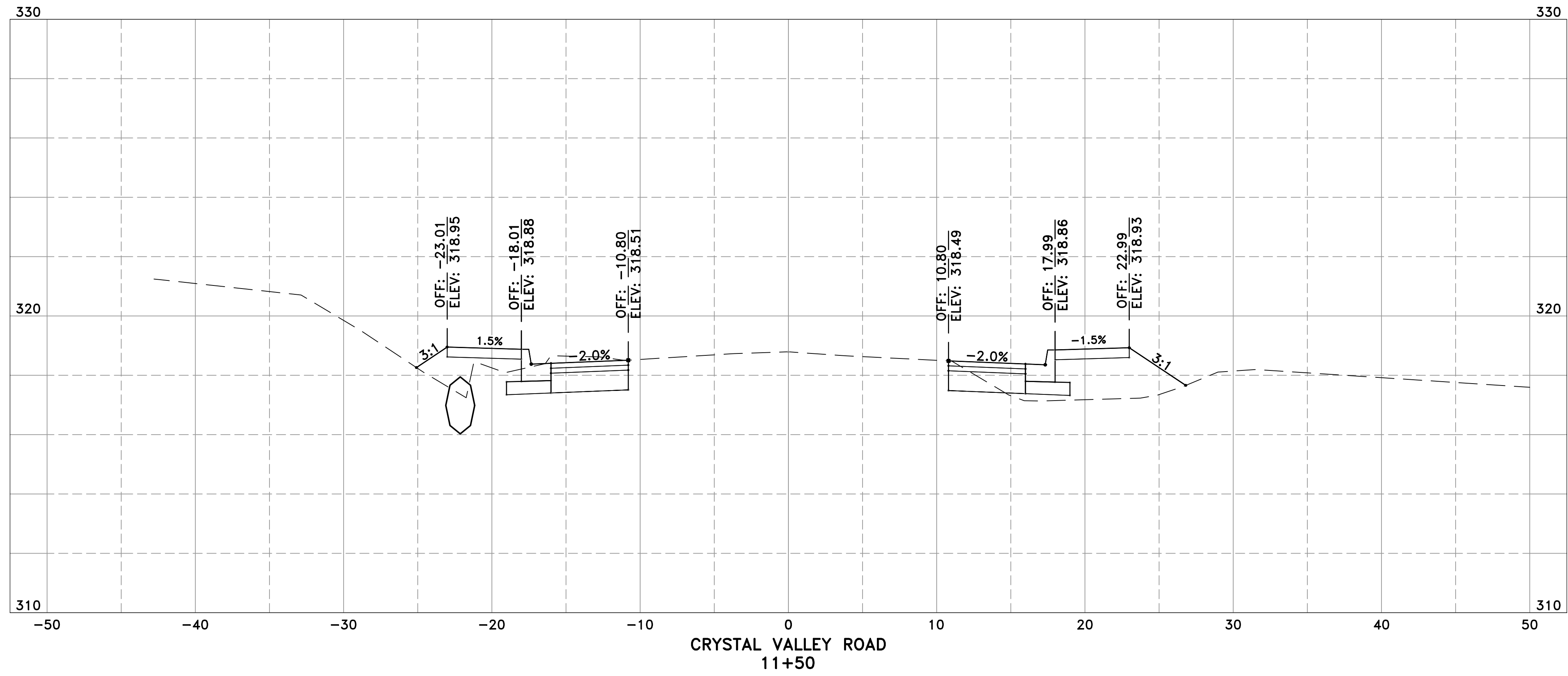
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PROJECT NO.

7-17-ST-288

SHEET NO.

C10



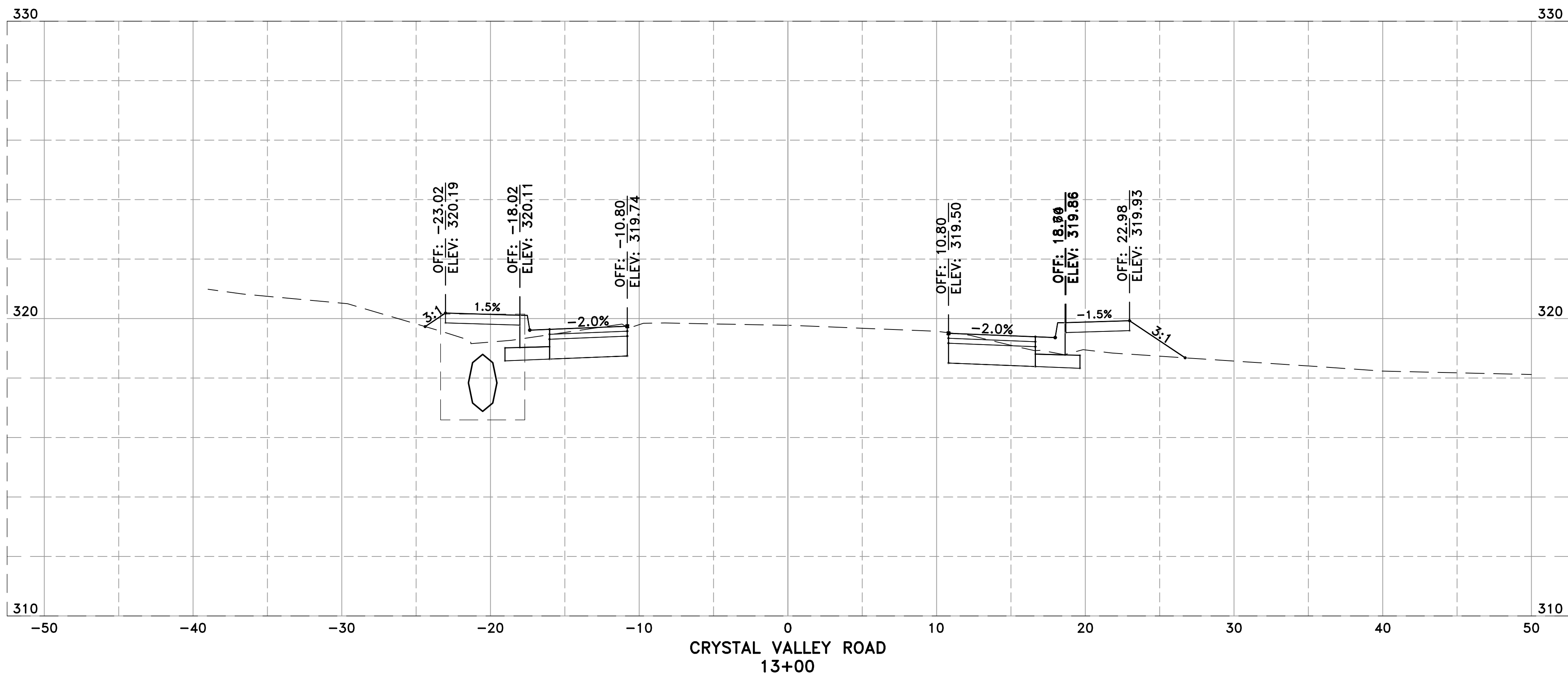
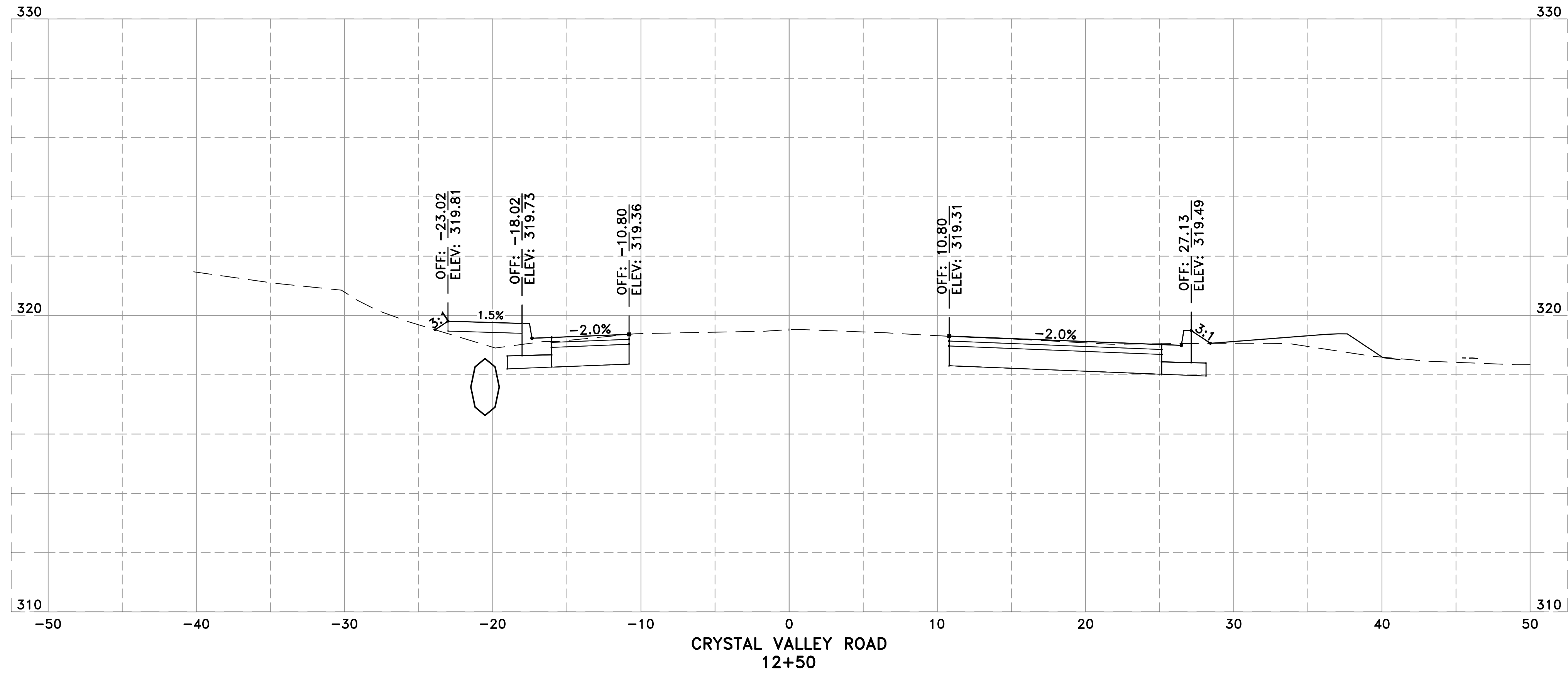
REVISIONS	DATE

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

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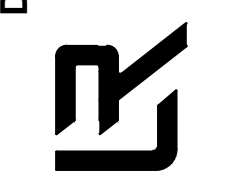
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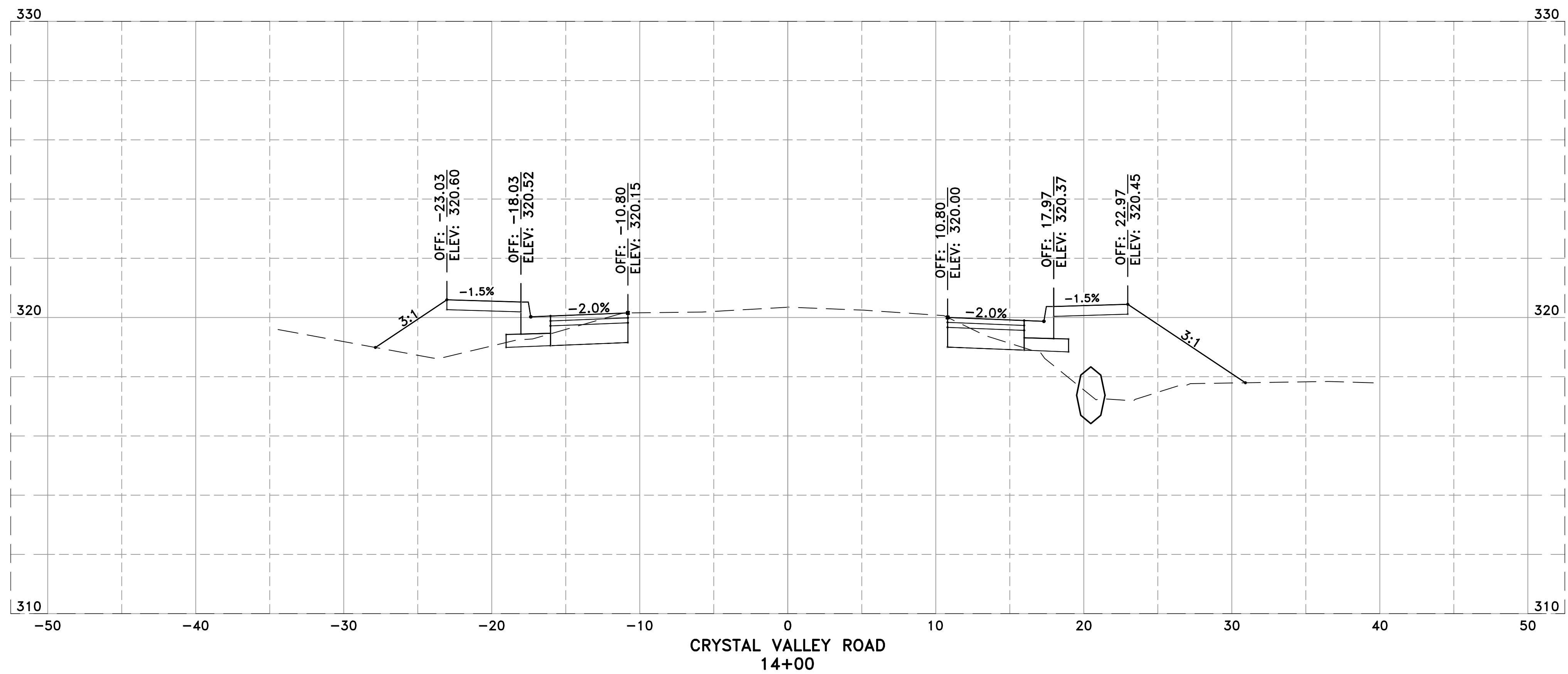
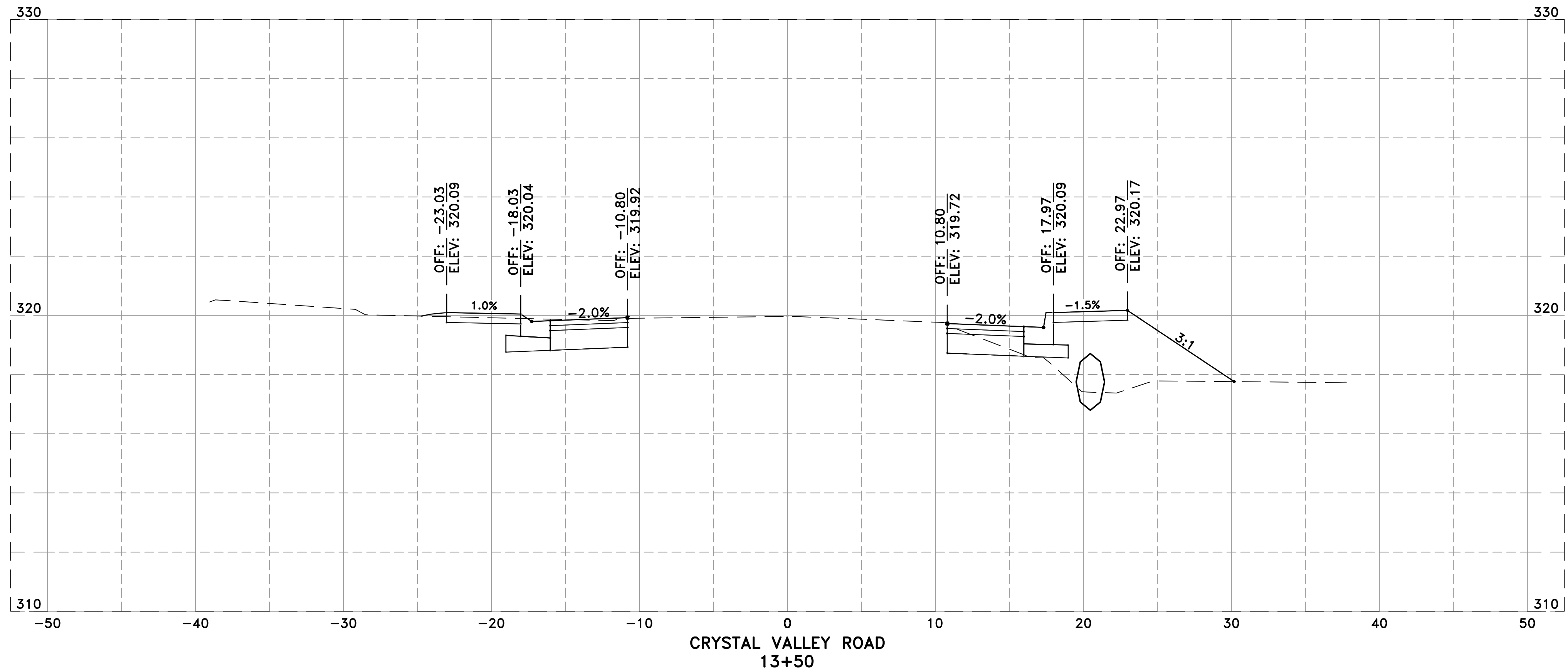
REVISIONS	DATE

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

DEPARTMENT OF PUBLIC WORKS
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PROJECT NO. 7-17-ST-288
SHEET NO. C12



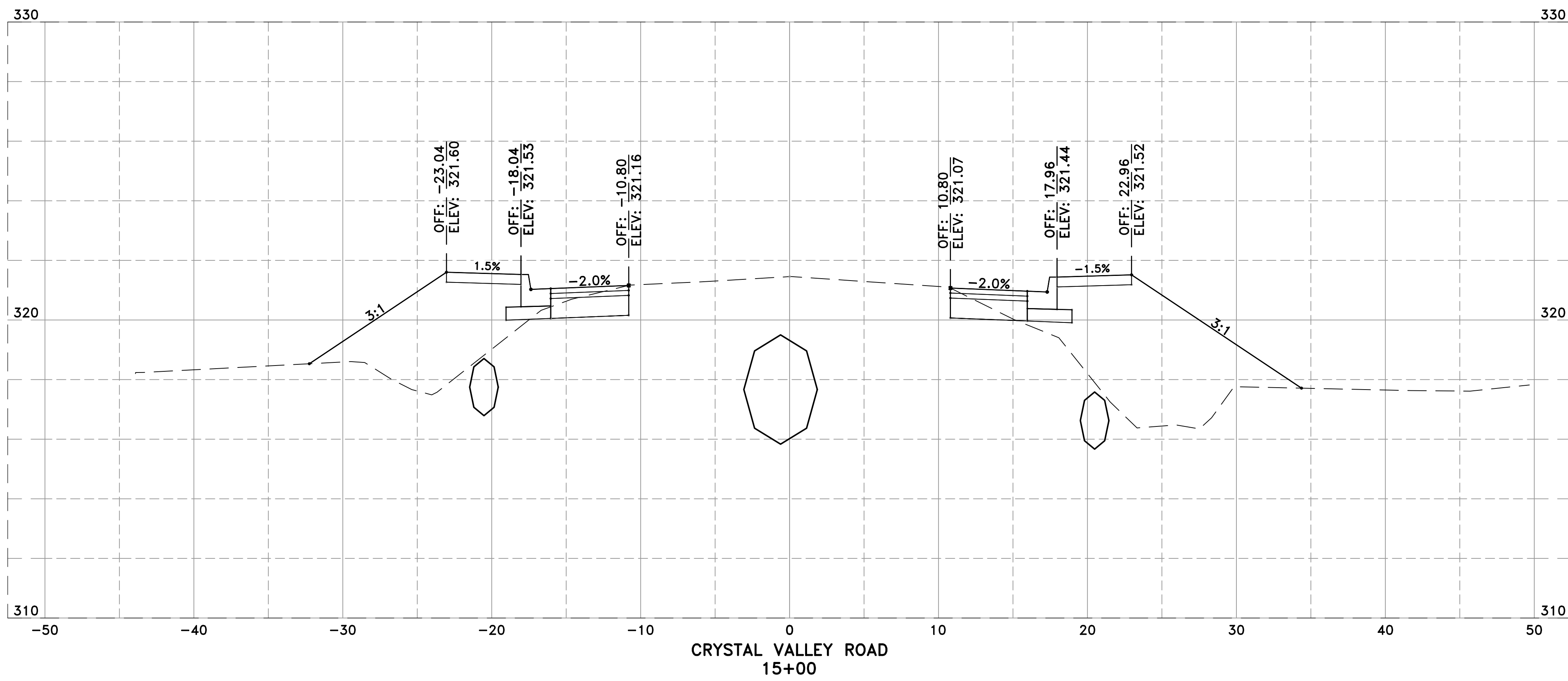
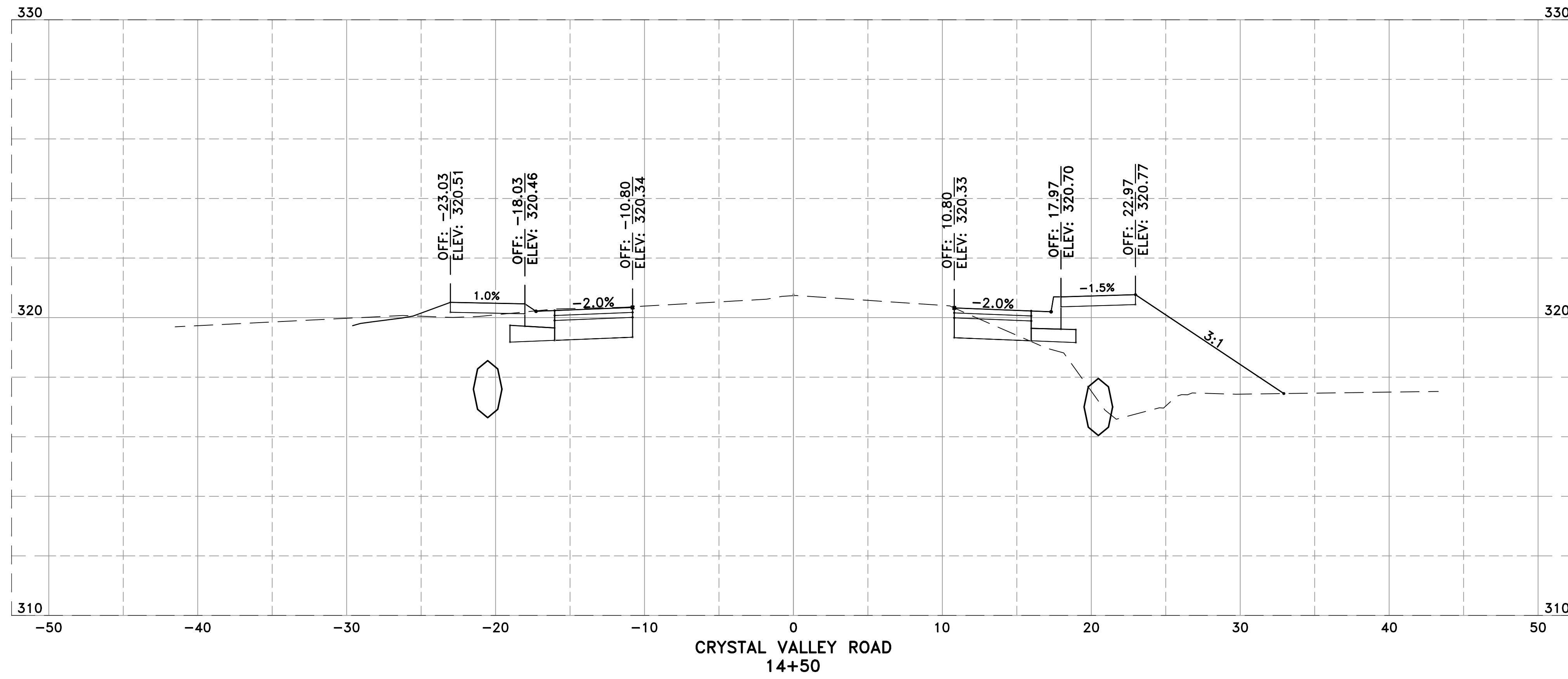
REVISIONS	DATE

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

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7-17-ST-288
SHEET NO.
C13



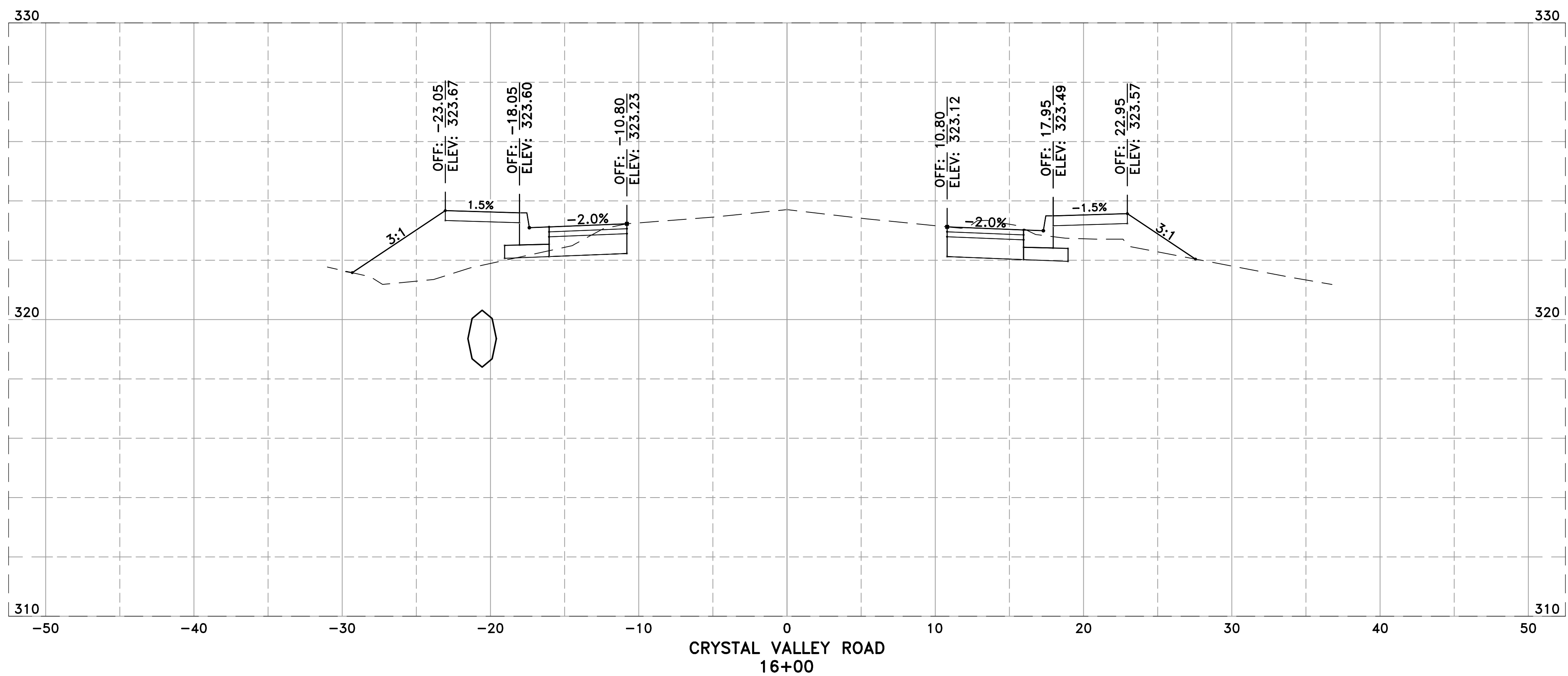
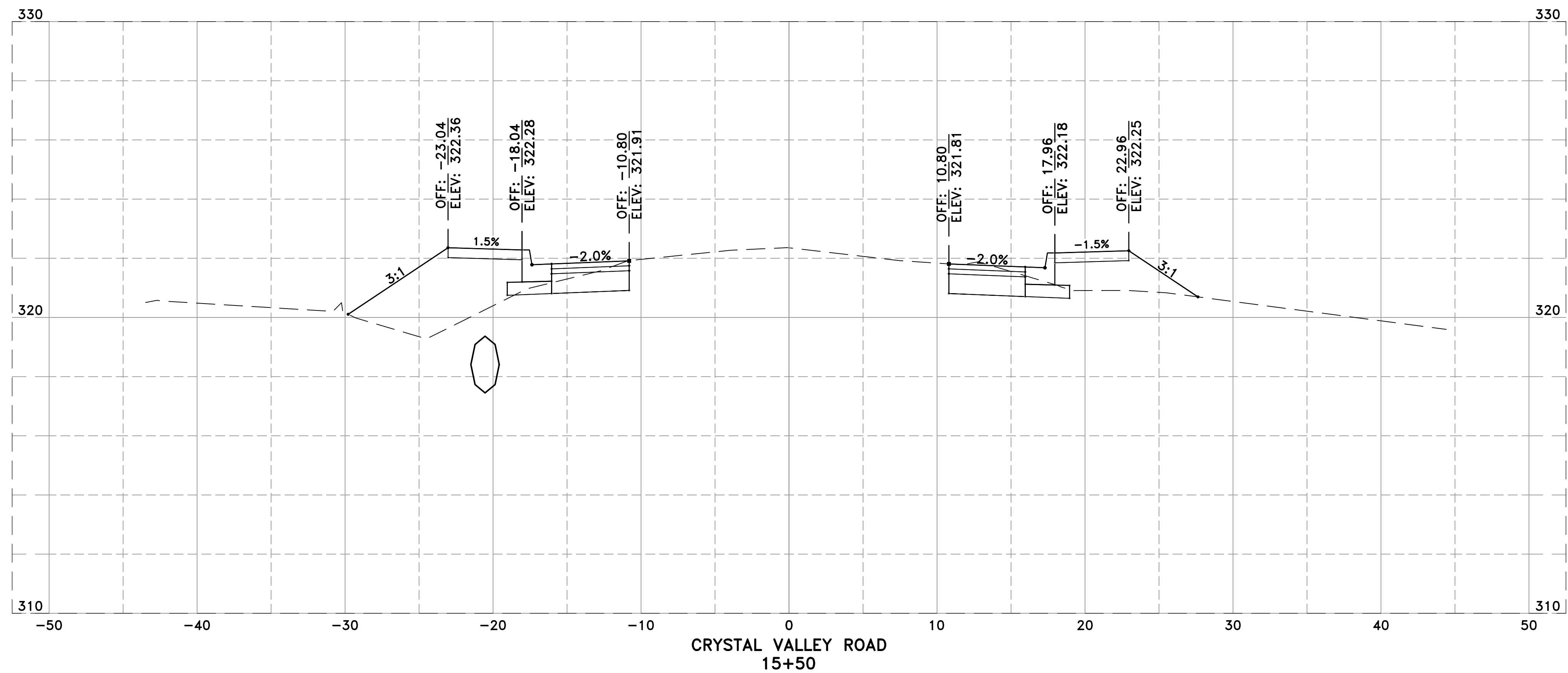
REVISIONS	DATE

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

DEPARTMENT OF PUBLIC WORKS
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LITTLE ROCK, ARKANSAS 72201



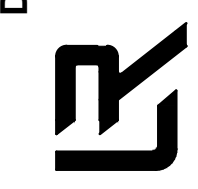
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PROJECT NO.
7-17-ST-288
SHEET NO.
C14



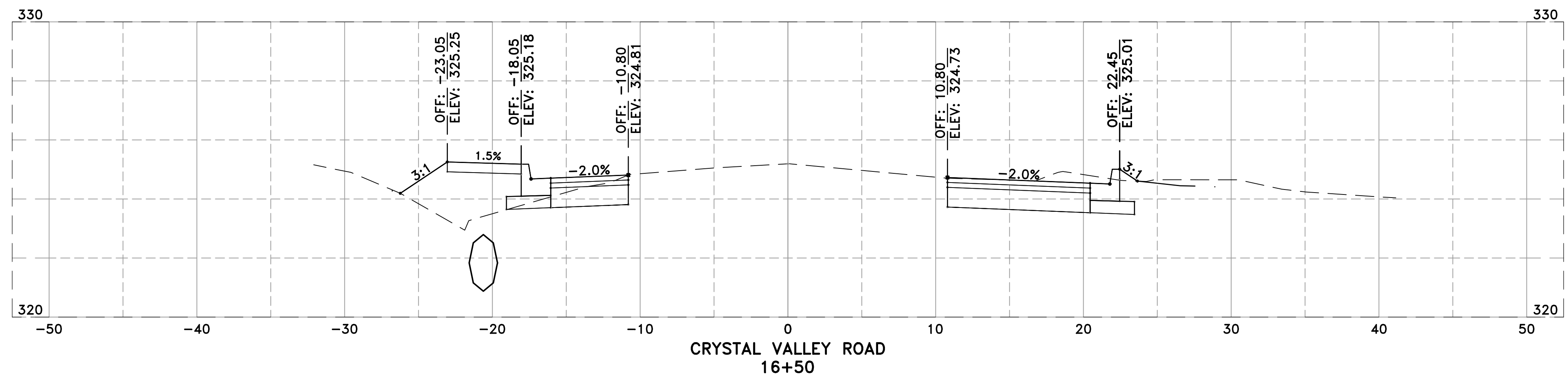
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CITY OF LITTLE ROCK, ARKANSAS
PROJECT NO. 7-17-ST-288
CRYSTAL VALLEY ROAD
CROSS SECTIONS III

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



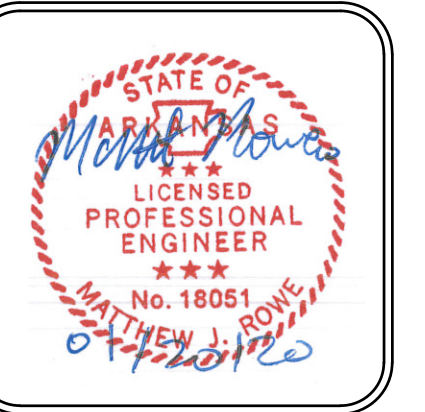
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DESIGNED MJR
CHECKED JAM
DATE 05/10/2019
SCALE 1" = 10'
PROJECT NO. 7-17-ST-288
SHEET NO. C15



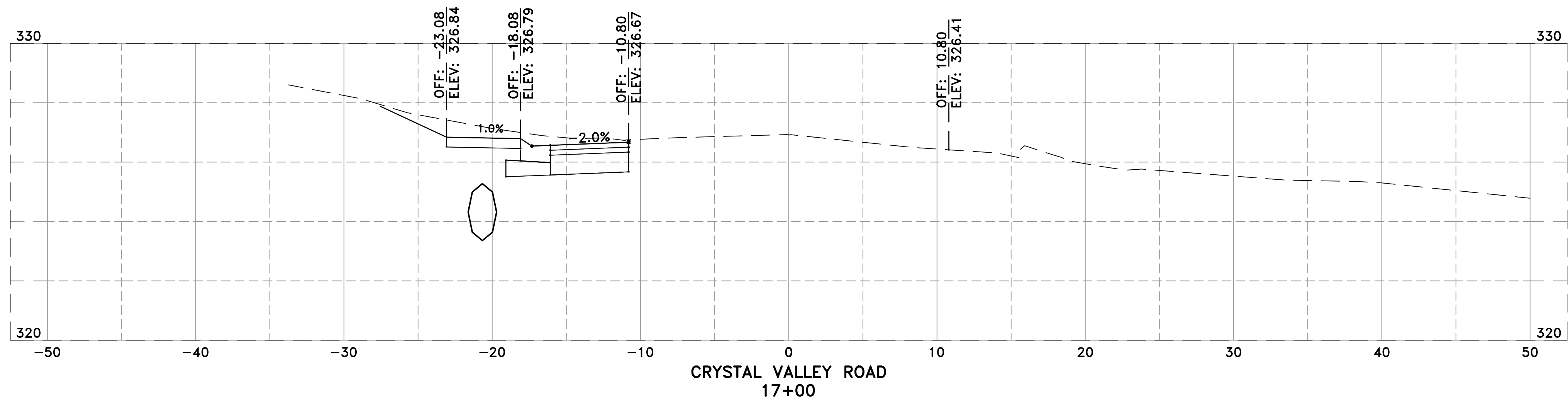
REVISIONS	DATE

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

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



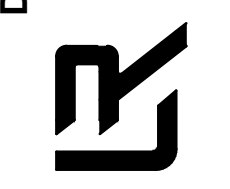
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CHECKED JAM
DATE 05/10/2019
SCALE 1" = 10'
PROJECT NO. 7-17-ST-288
SHEET NO. C16



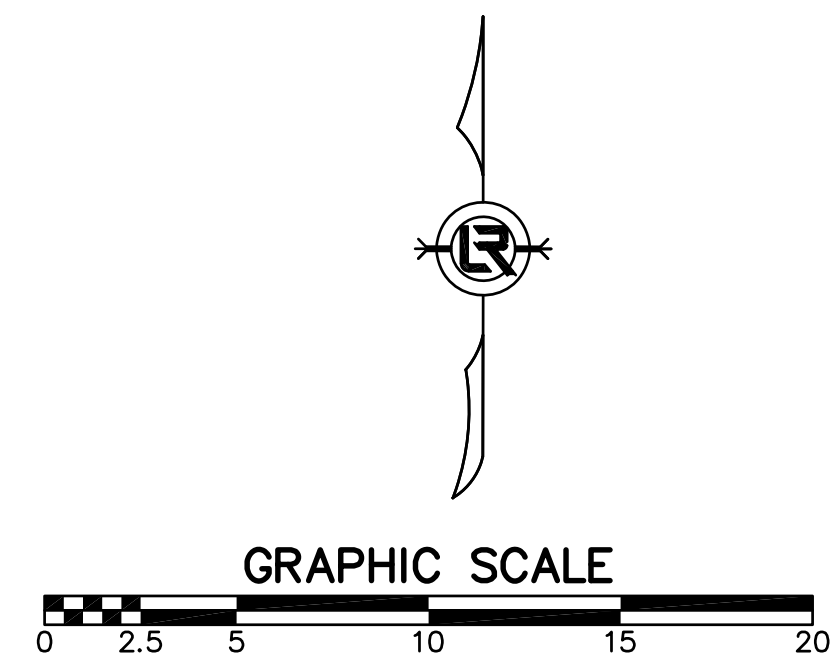
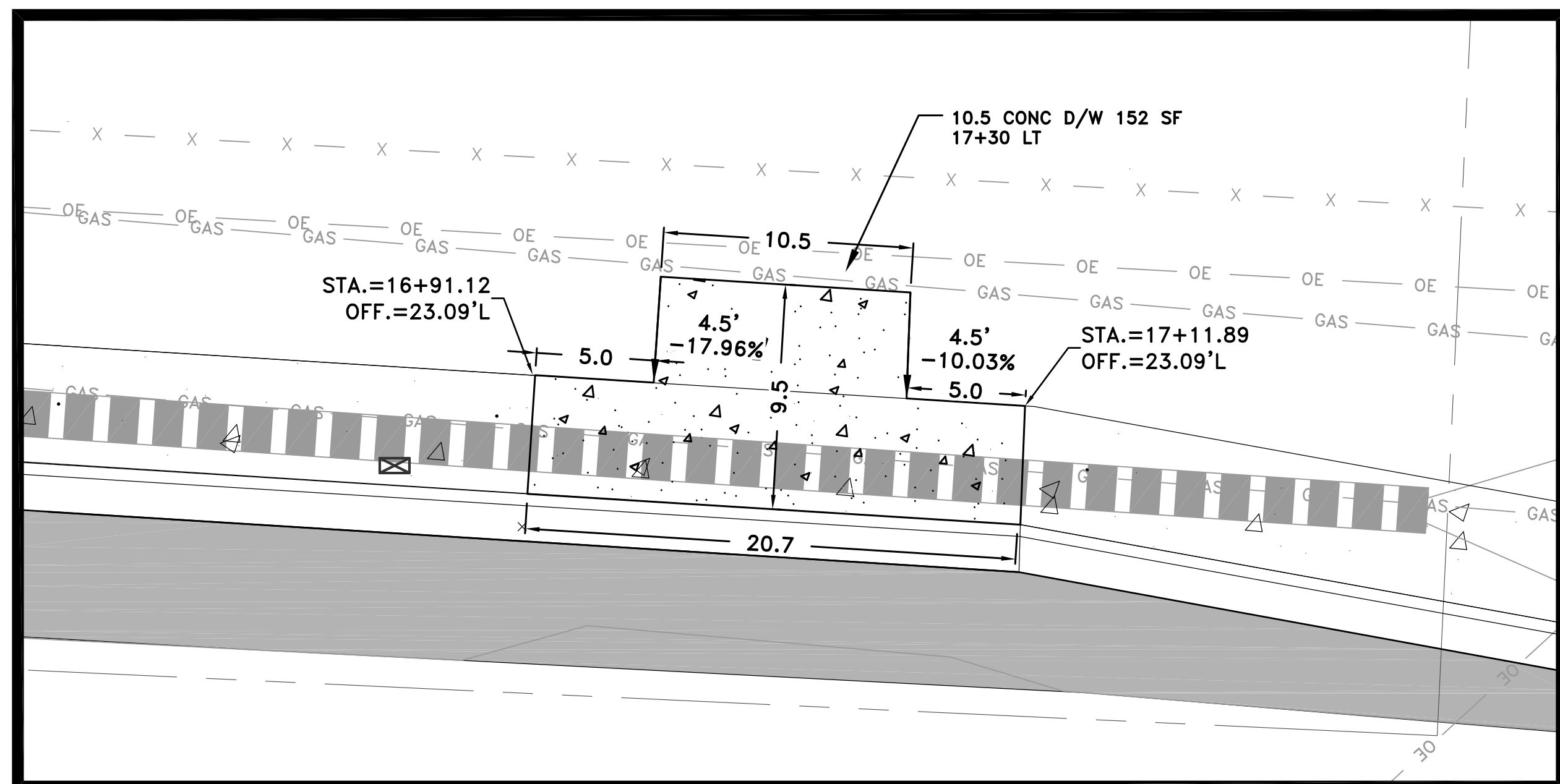
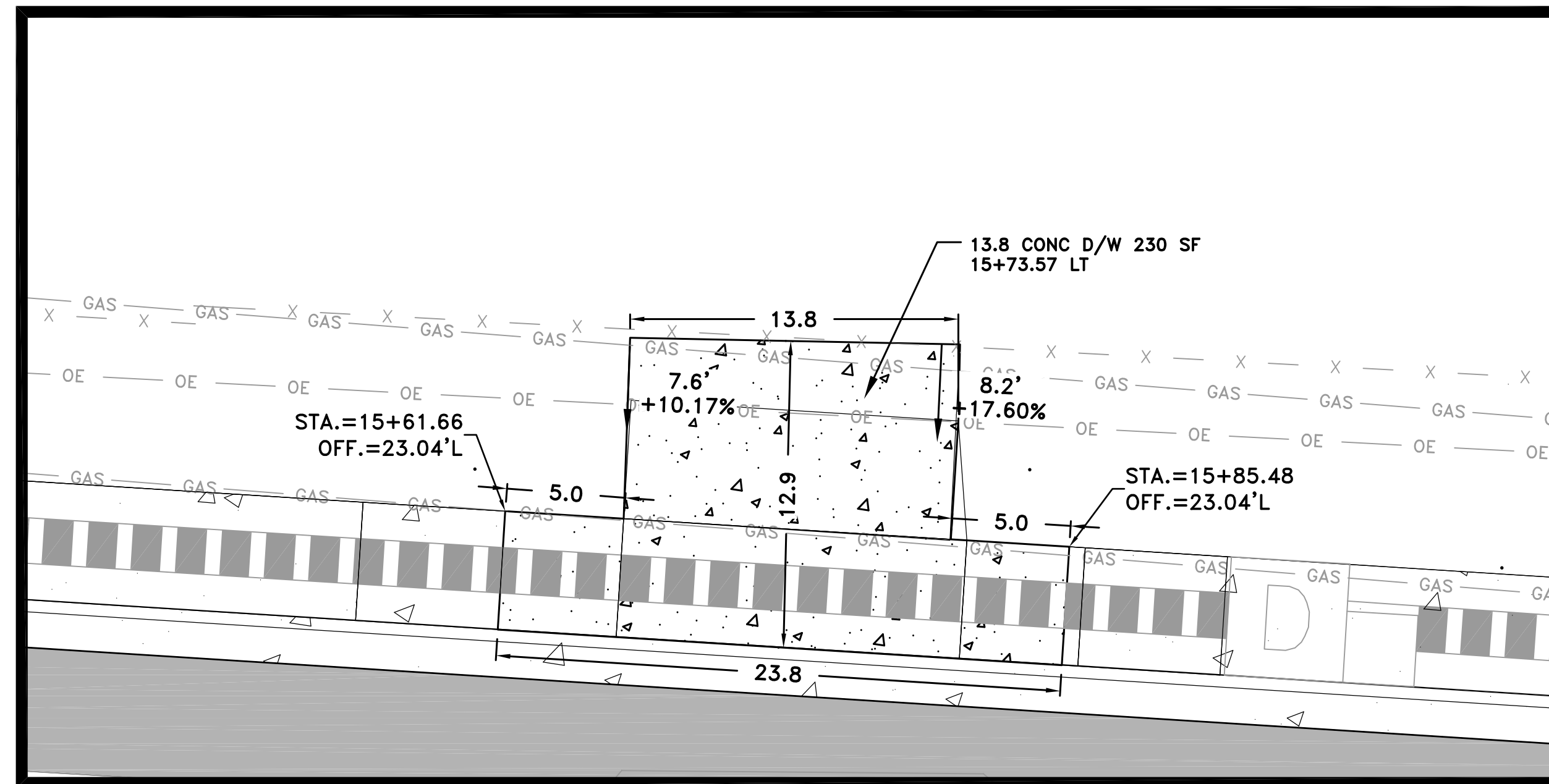
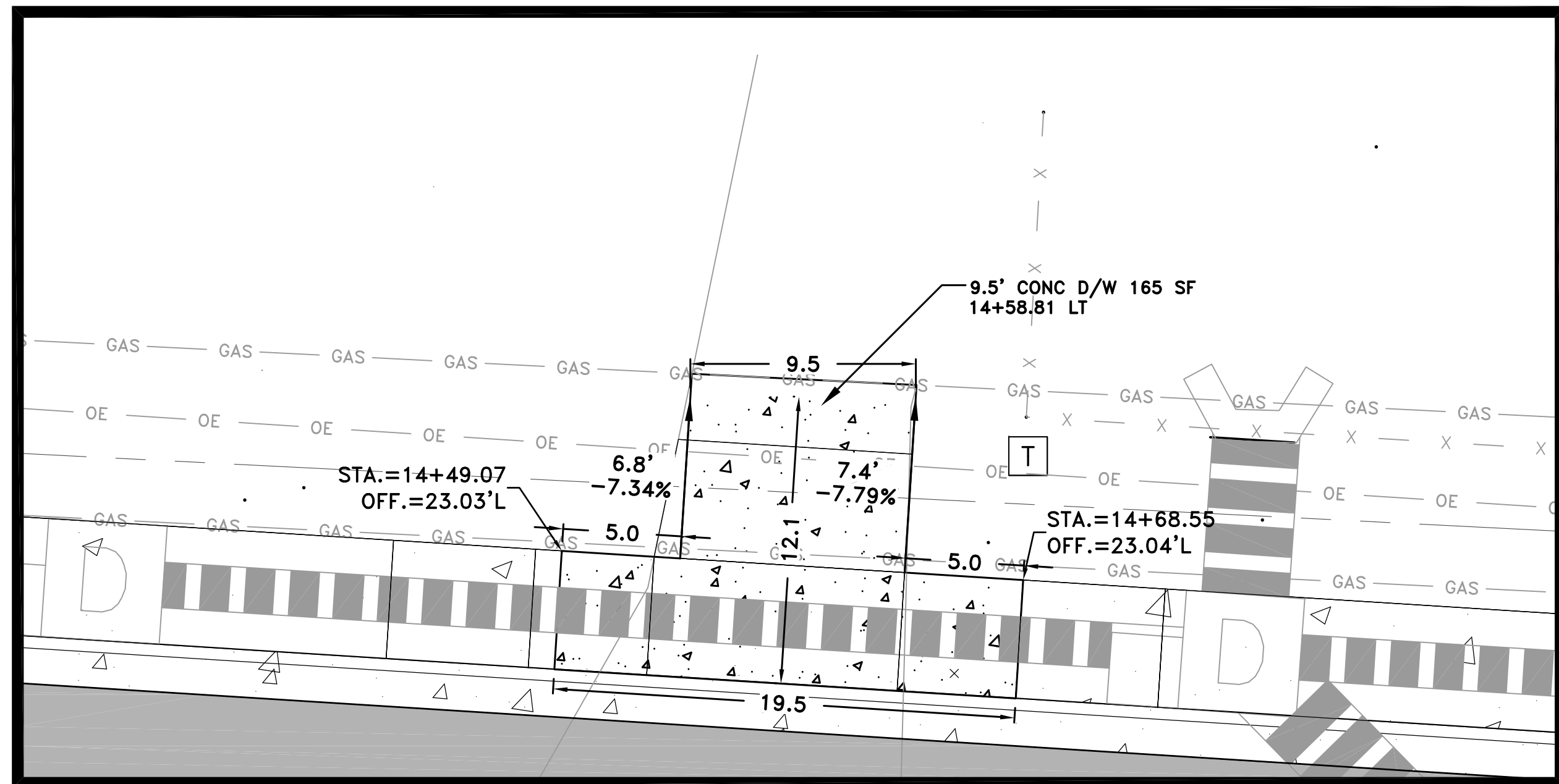
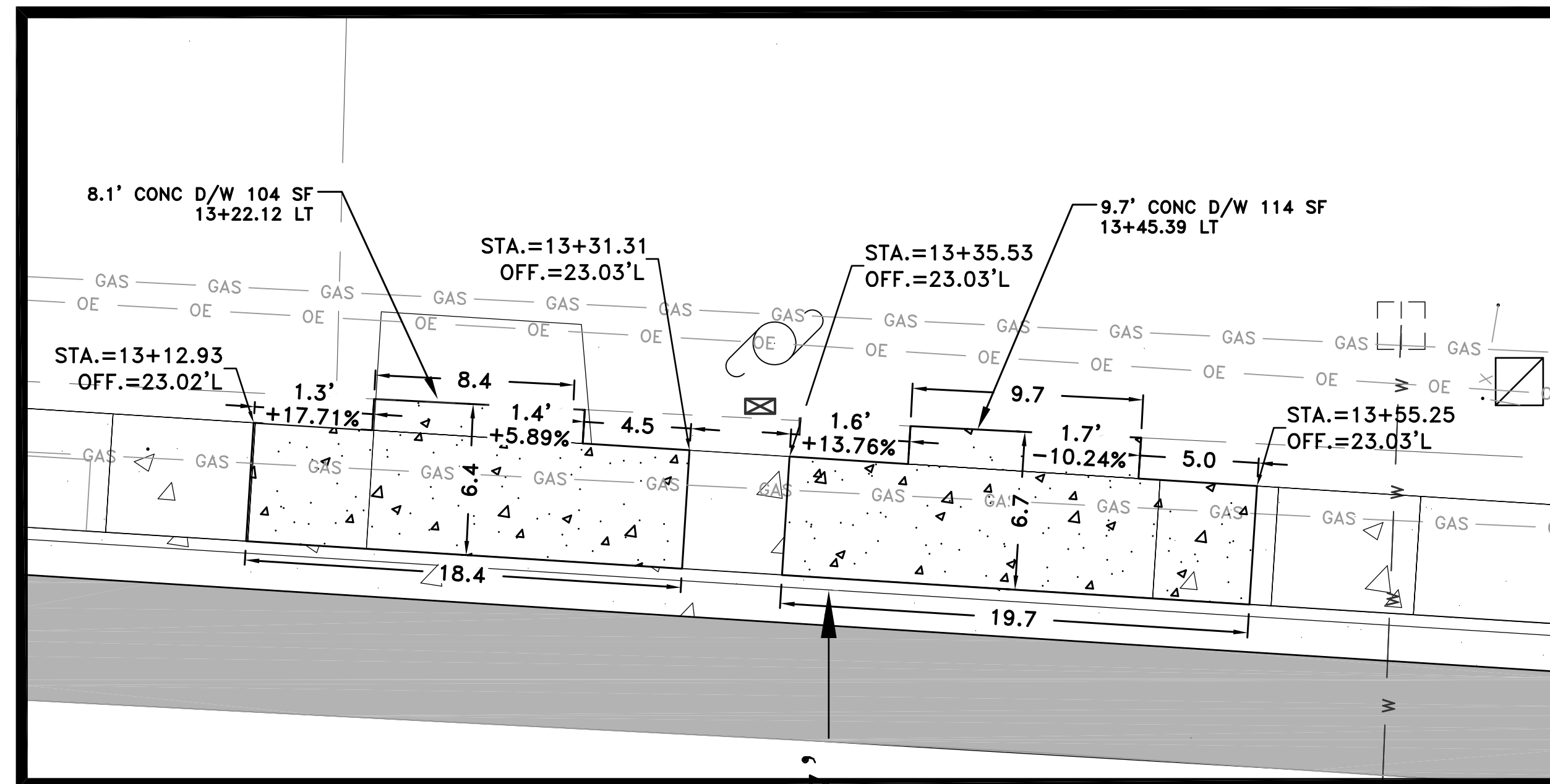
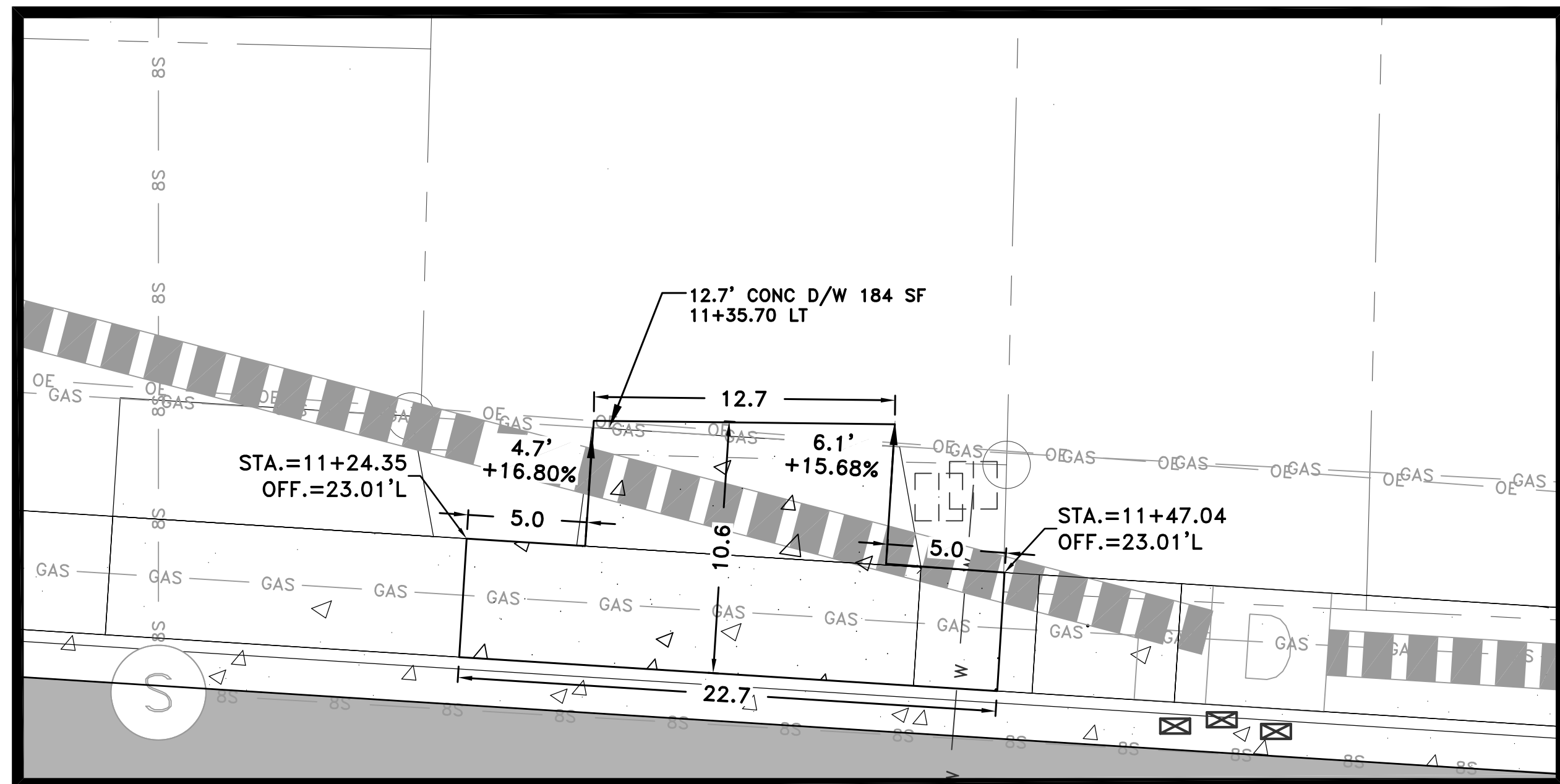
REVISIONS	DATE

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

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



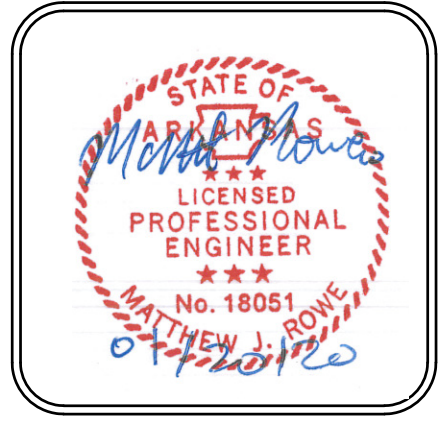
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DESIGNED	MJR
CHECKED	JAM
DATE	05/10/2019
SCALE	1" = 10'
PROJECT NO.	7-17-ST-288
SHEET NO.	C17



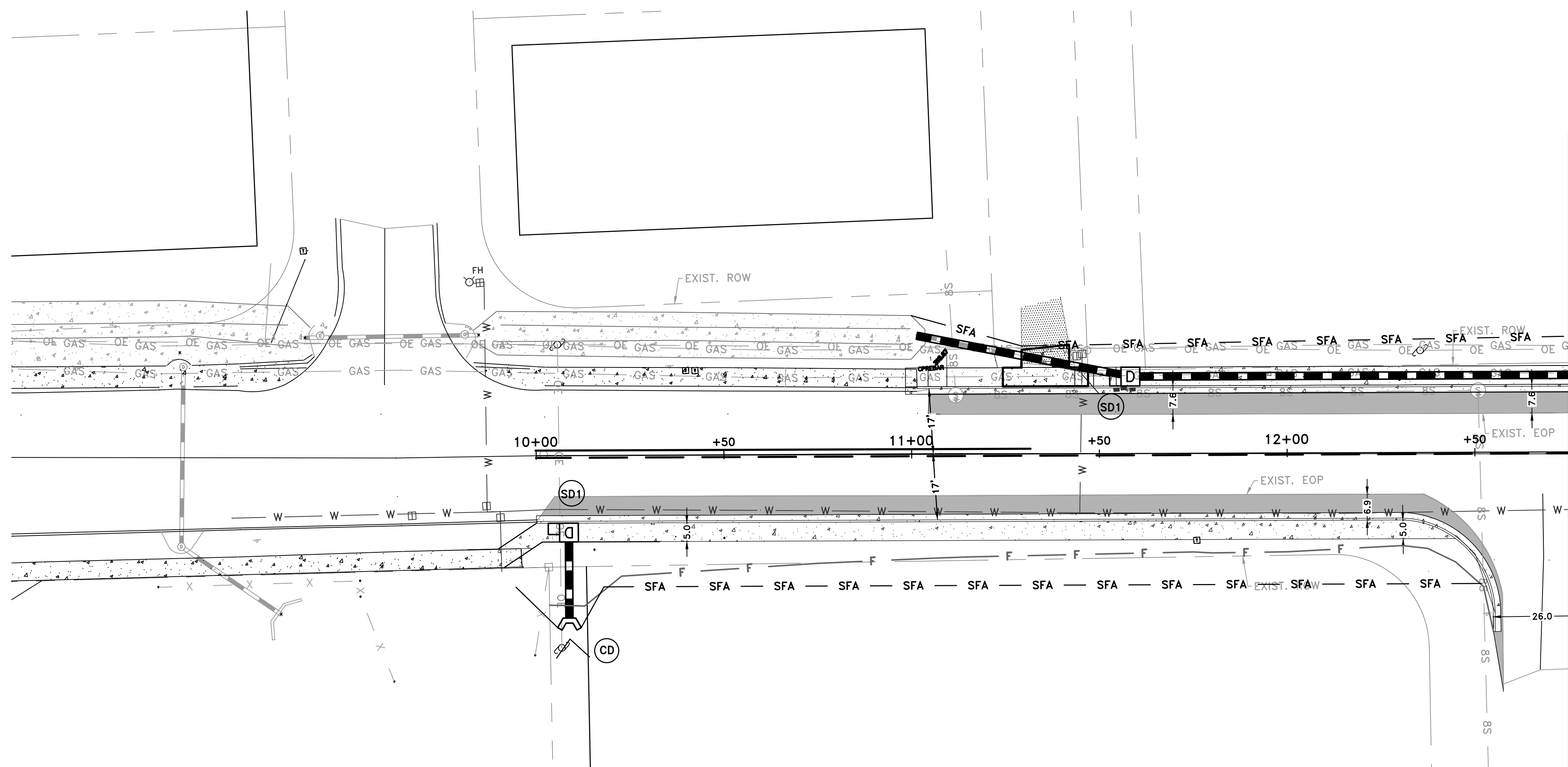
REVISIONS	DATE

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



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

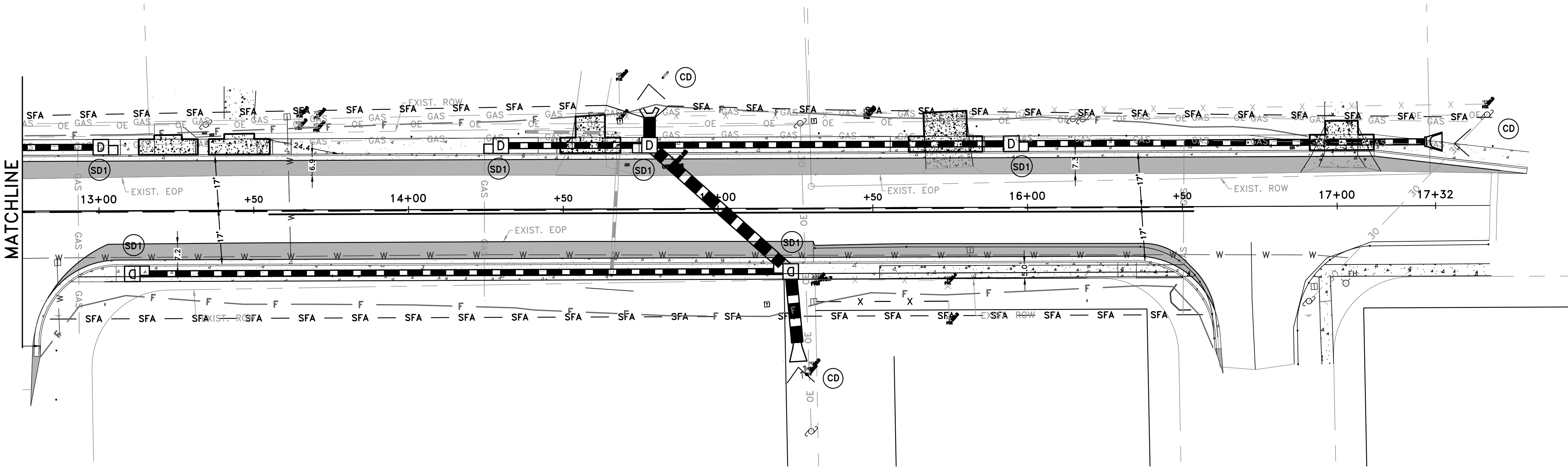


MATCHLINE

- EROSION CONTROL:**
- CHECK DAM (CD)
 - SEDIMENT BARRIER - SILT FENCE (SD)
 - SILT FENCE-TYPE A — SFA —

BEST MANAGEMENT PRACTICES:

UPON IMPLEMENTATION AND INSTALLATION OF THE FOLLOWING AREAS: TRAILERS, PARKING, LAY DOWN, PORTA-POTTY, WHEEL WASH, CONCRETE WASHOUT, FUEL AND MATERIAL STORAGE CONTAINERS, SOLID WASTE CONTAINERS, ETC. IMMEDIATELY DENOTE THEM ON THE SITE MAPS AND NOTE ANY CHANGES IN LOCATION AS THEY OCCUR THROUGHOUT THE CONSTRUCTION PROCESS. IN ADDITION, NOT ANY OFF-SITE AREA WHERE FILL IS IMPORTED FROM OR SOIL IS EXPORTED ON THE SITE MAPS.



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



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MJR

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REG

DATE
05/10/2019

SCALE
1" = 20'

PROJECT NO.
7-17-ST-288

SHEET NO.
C19

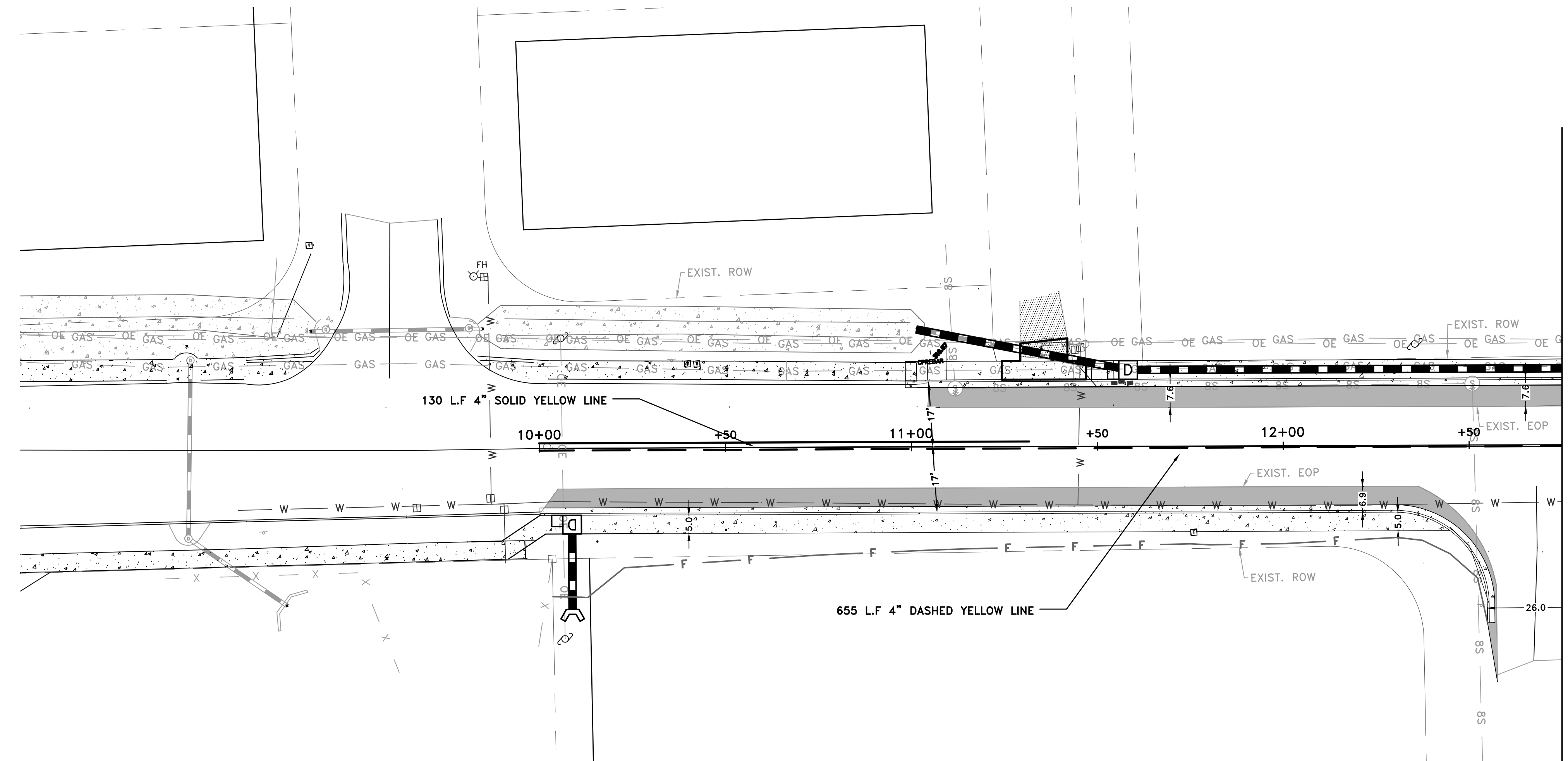
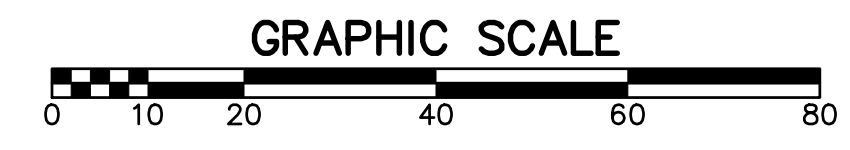
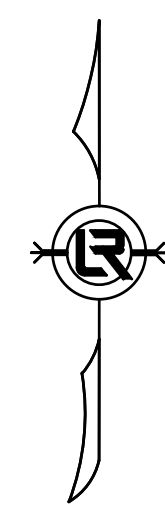
REVISIONS	DATE

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

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 CIVIL ENGINEERING
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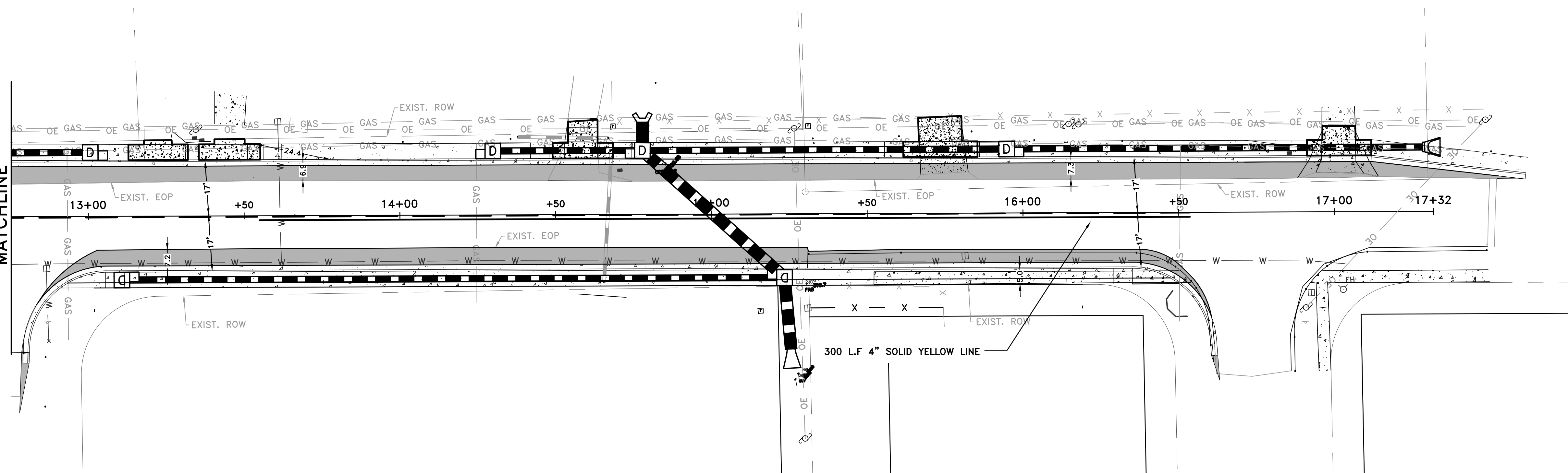


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 MJR
 DESIGNED
 MJR
 CHECKED
 JAM
 DATE
 05/10/2019
 SCALE
 1" = 20'
 PROJECT NO.
 7-17-ST-288
 SHEET NO.
 C20



MATCHLINE

- STRIPING PLAN NOTES:
1. ALL EXISTING SIGNING, STRIPING, AND MARKINGS TO REMAIN UNLESS OTHERWISE NOTED. CONFLICTS BETWEEN EXISTING AND PROPOSED SHALL BE RESOLVED BY THE ENGINEER.
 2. EXACT POSITION AND LOCATION OF ALL STRIPING AND PAVEMENT MARKING SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER.
 3. REMOVAL OF EXISTING STRIPING AND PAVEMENT MARKINGS SHALL BE ACCOMPLISHED BY SANDBLASTING OR OTHER APPROVED GRINDING METHOD.
 4. LAND WIDTH ADJACENT TO CURBS AE MEASURED TO THE FACE OF THE CURB.
 5. CONTRACTOR SHALL SPOT MARK FOR STRIPING LAYOUT AND OBTAIN APPROVAL FROM CITY OF LITTLE ROCK TRAFFIC ENGINEER PRIOR TO PERMANENT INSTALLATION.



MATCHLINE

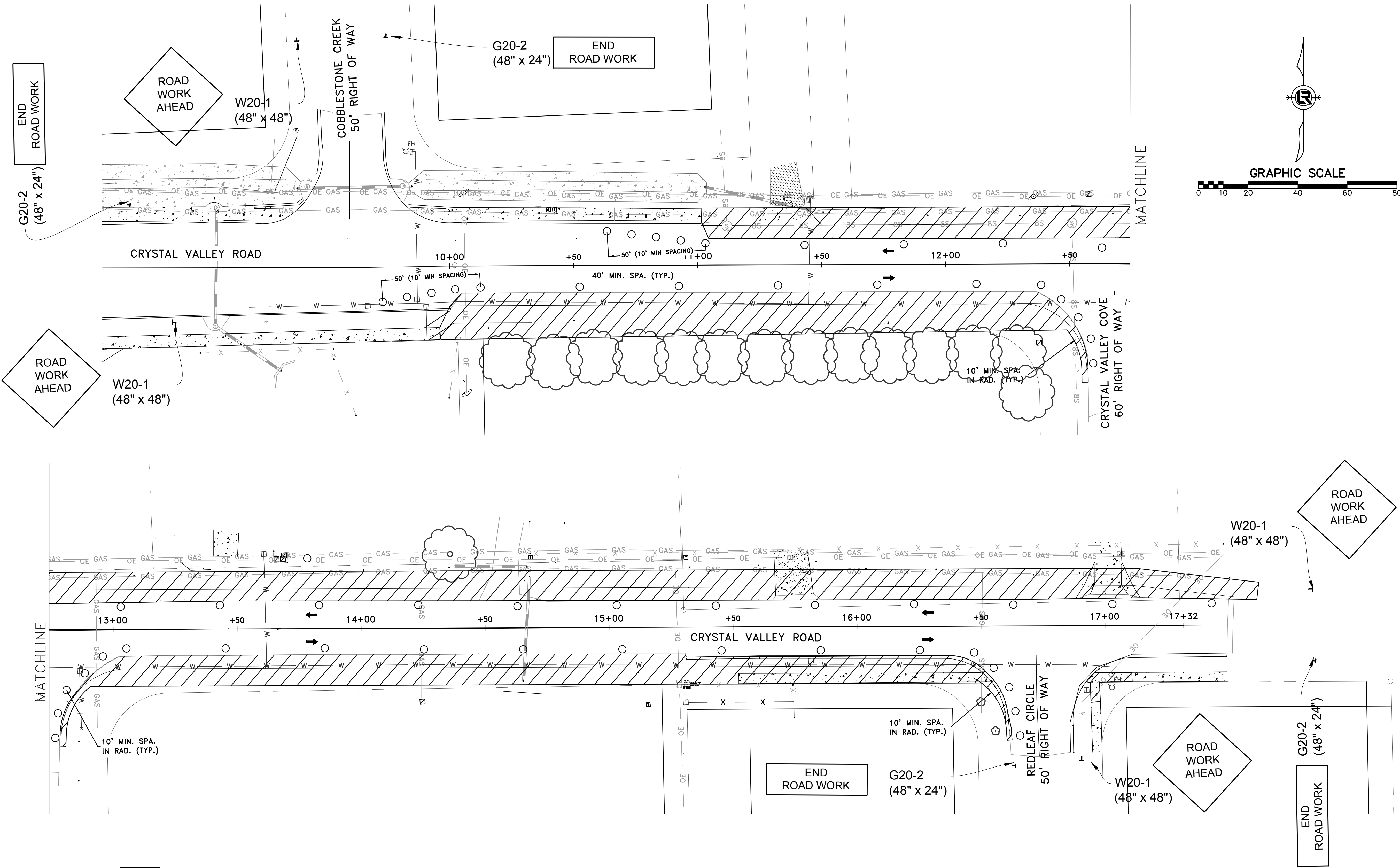
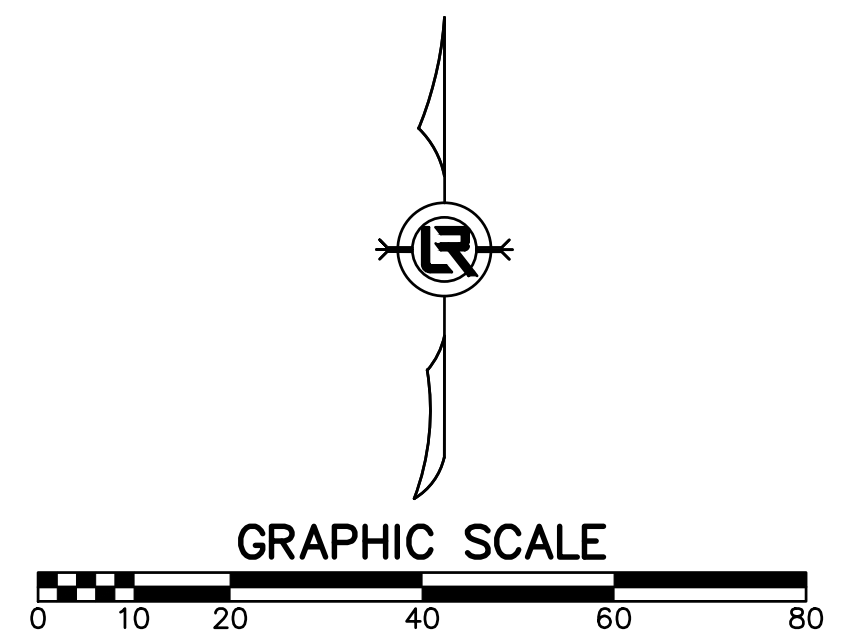
REVISIONS	DATE

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

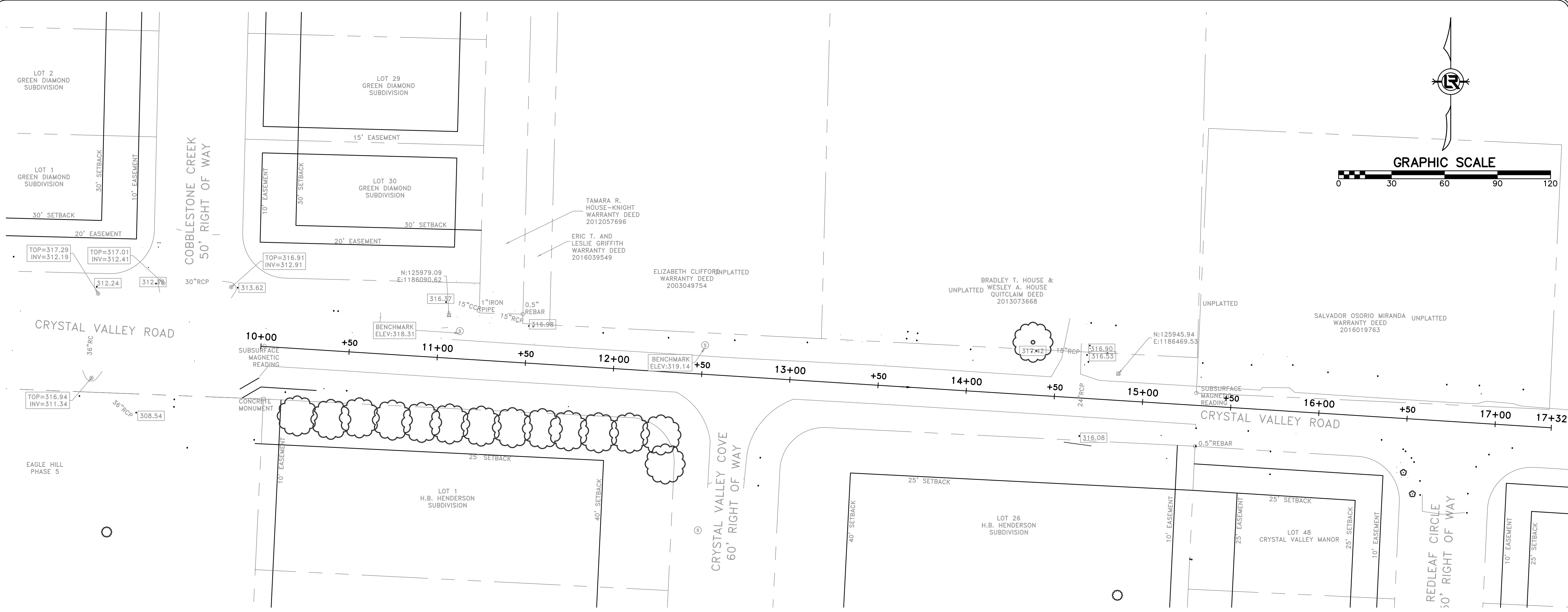
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



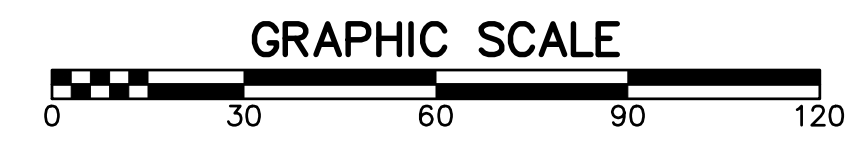
DRAWN BY
 MJR
 DESIGNED
 MJR
 CHECKED
 REG
 DATE
 05/10/2019
 SCALE
 1" = 20'
 PROJECT NO.
 7-17-ST-288
 SHEET NO.
 C21



- MAINTENANCE OF TRAFFIC NOTES:
- 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 (DRUM OR CONES) THROUGHOUT PROJECT TO SEPARATE OPEN TRAFFIC LANES/PATHS FROM CONSTRUCTION AREAS.
 - CONTRACTOR SHALL UTILIZE DRUMS AND/OR CONES, APPROPRIATE SIGNAGE, AND APPROPRIATE FLAGGING AS NECESSARY FOR TEMPORARY LANE CLOSURES WITHIN THE WORK ZONE. NO SEPARATE PAY ITEM.
 - TRAFFIC DRUMS SHALL BE EQUALLY SPACED 40 FT CENTER TO CENTER UNLESS OTHERWISE NOTED AND LOCATED AT THE EDGE OF THE TRAVEL LANE.
 - THE W20-1 AND G20-2 SIGNS SHALL BE ERECTED 100 FEET FROM THE PROJECT LIMITS AT ALL LOCATIONS.



REVISIONS	DATE



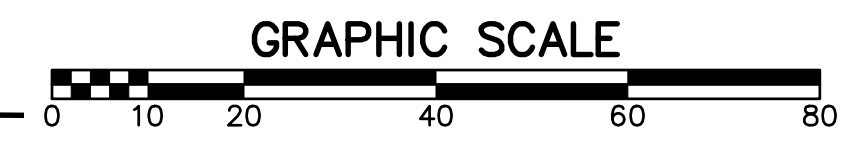
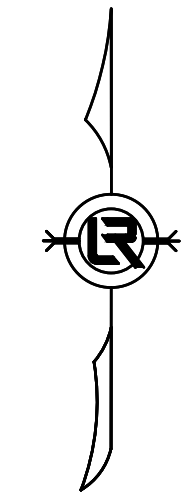
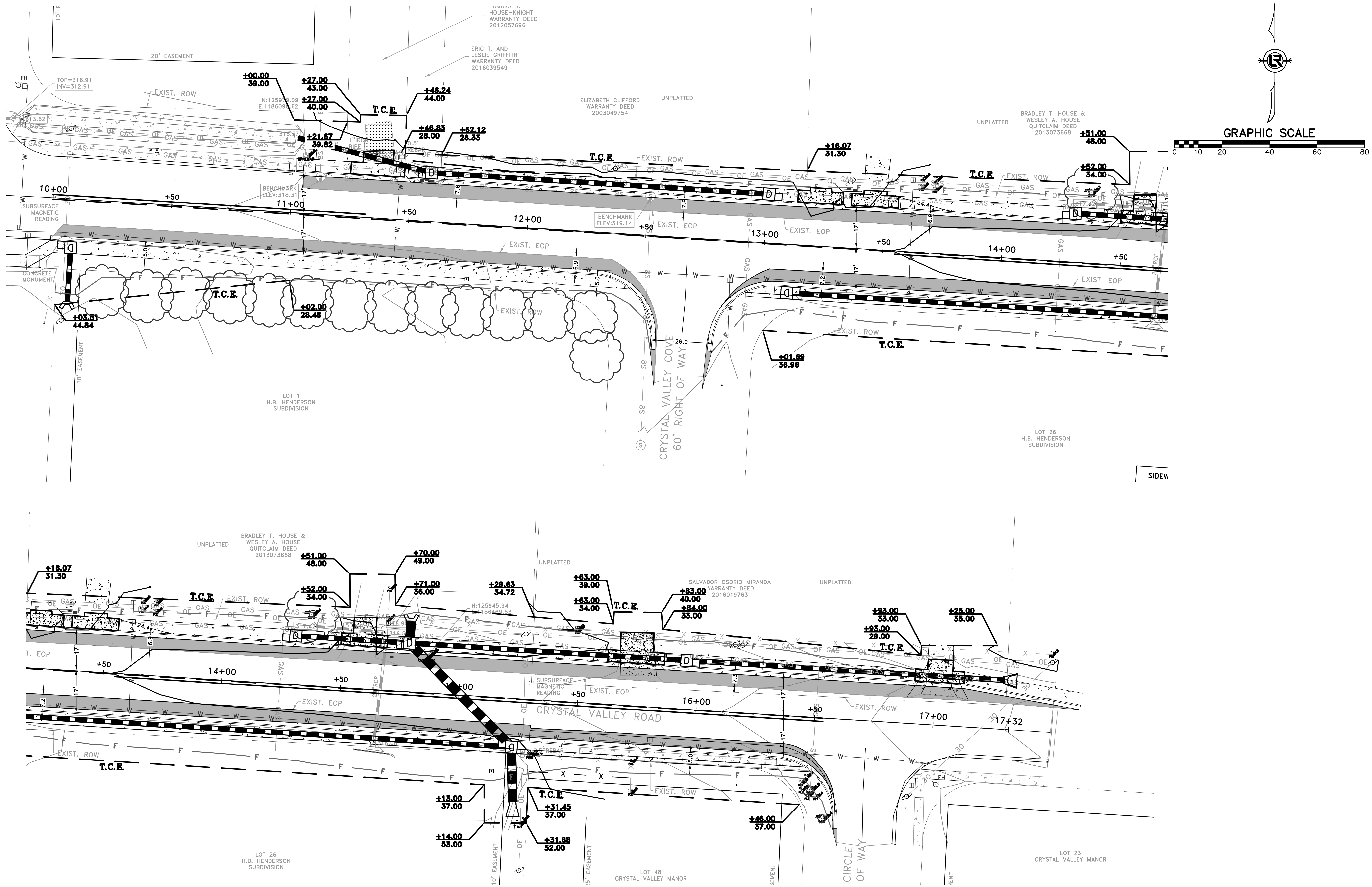
CITY OF LITTLE ROCK, ARKANSAS
PROJECT NO. 7-17-ST-288
CRYSTAL VALLEY ROAD
SURVEY CONTROL DETAIL

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



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MJR
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DATE
05/10/2019
SCALE
1" = 20'
PROJECT NO.
7-17-ST-288
SHEET NO.
C22

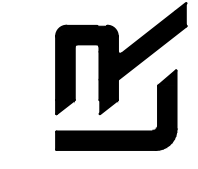
SURVEY CONTROL COORDINATES			
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CP REBAR	125945.94	1186469.53	320.65



REVISIONS	DATE

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

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



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DATE 05/10/2019
SCALE 1" = 20'
PROJECT NO. 7-17-ST-288
SHEET NO. C1a