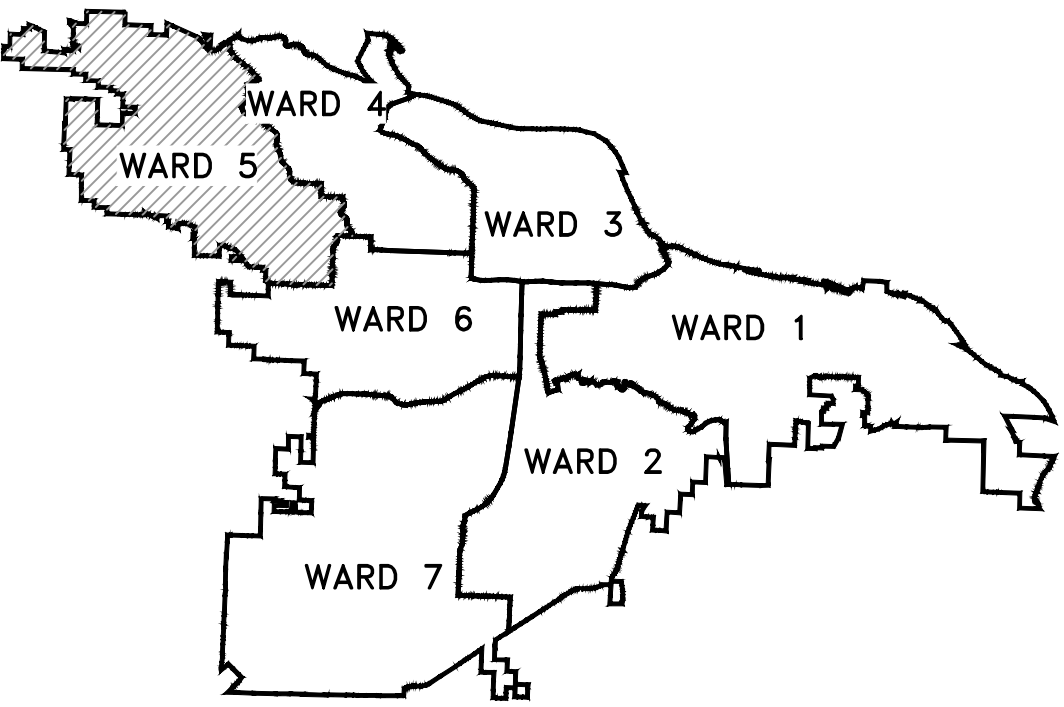


CLR PROJECT #05-22-DR-004B

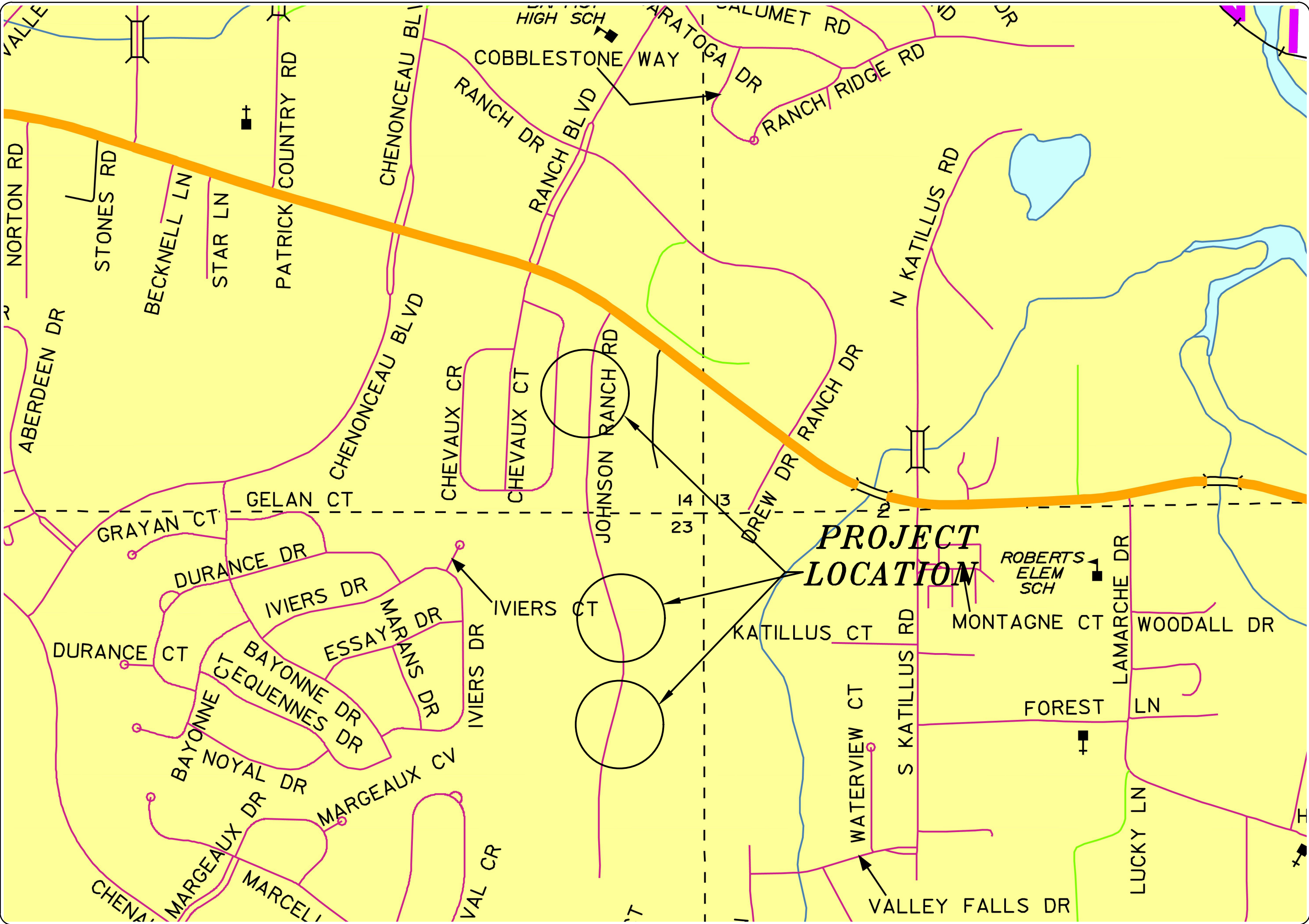
JOHNSON RANCH

CULVERT REPLACEMENT

LITTLE ROCK, AR



PROJECT LOCATION – WARD 5



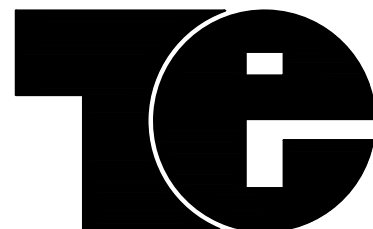
SHEET INDEX

TITLE SHEET	C-1
LEGEND & QUANTITIES	C-2
TOPOGRAPHIC SURVEY	C-3
7 JOHNSON RANCH DRIVE	C-4
3 JOHNSON RANCH DRIVE	C-5
1 JOHNSON RANCH DRIVE	C-6
JOHNSON RANCH AT HOFFMAN LANE	C-7
MAINTENANCE OF TRAFFIC	C-8



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CITY OF LITTLE ROCK, ARKANSAS
JOHNSON RANCH CULVERT REPLACEMENT
05-22-DR-004B

TITLE SHEET

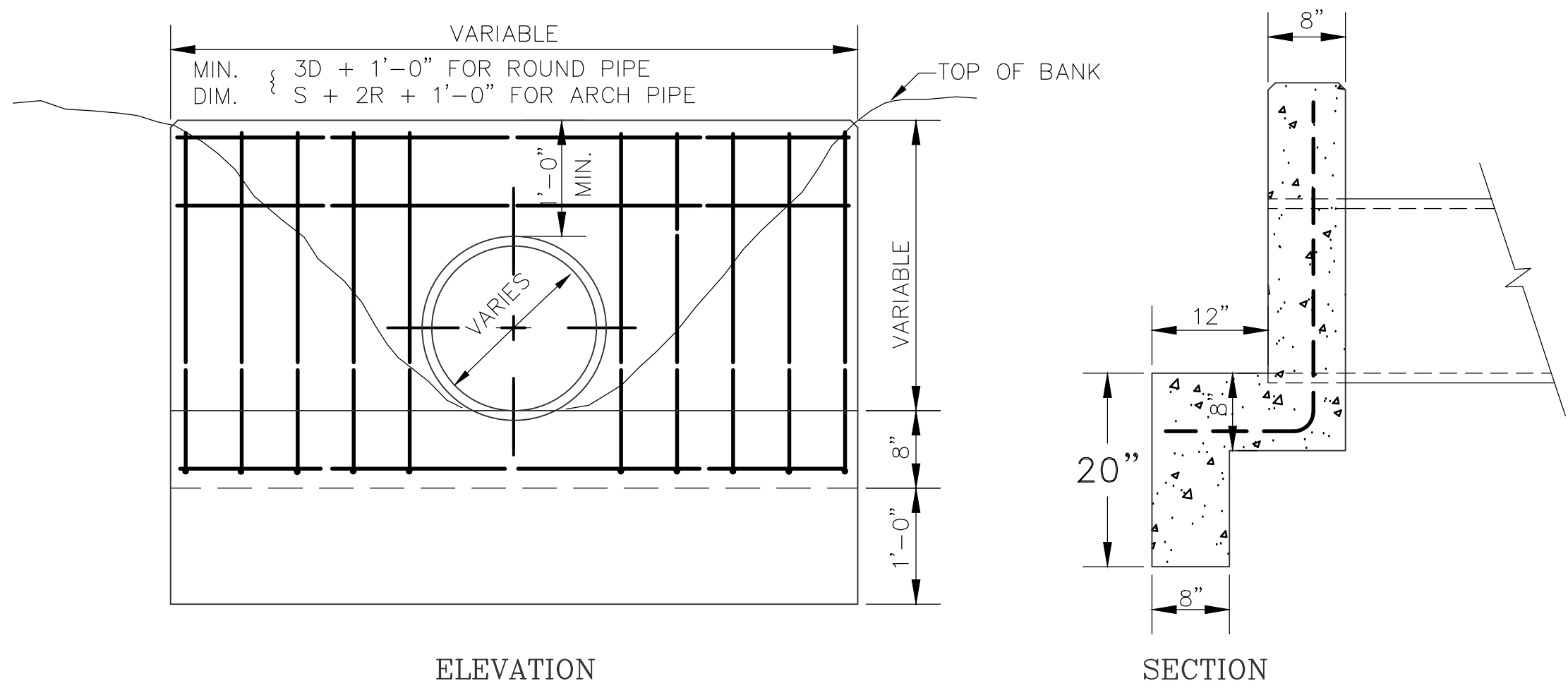


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PROJECT NO.	CLR #05-22-DR-004B
SHEET NO.	C-1

ESTIMATED QUANTITIES			
CLR PROJECT # 05-22-DR-004B			
JOHNSON RANCH CULVERT REPLACEMENT - WARD 5			
14-Jun-24			
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
002.01	Site Preparation	LS	1
013.24C	Storm Drain Pipe 24" Storm Drain Pipe - Cross Drain	LF	33
013.51AC	Storm Drain Pipe 31" x 51" Arch Pipe, Cross Drain	LF	38
013.59Cb	Storm Drain Pipe 36"x 59" Arch Pipe Cross Drain	LF	119
011.02	Reinforced Concrete Headwall	CY	15
013.61	Tie Into Existing Junction Box	EA	1
017.10	Cut & Repair Existing Street Surface (PW-25)	SY	100
016.01	Maintenance of Traffic	LS	1
X	Final Cleanup	LS	1
X	As Built Survey	LS	1
004.01	Aggregate Base Course (Class 7)	TON	200
013.32	Storm Drain Pipe 36" x 23" Arch Pipe-Cross Drain	LF	70
026.10	Trench & Excavation Safety	LS	1



ELEVATION

SECTION

NOTE: 1. ALL REINFORCING STEEL
TO BE #4 BARS @ 12" O.C.
2. ALL EXPOSED EDGES TO
HAVE 3/4" CHAMFER.

STRAIGHT – HEADWALL DETAIL

EXISTING

IRON ROD	○ IR
PK NAIL	○ PK
R.R. SPIKE	○ RR(Sp)
CONC. MONUMENT	□ CM
WATER VALVE	⊗ WV
WATER METER	□ WM
FIRE HYDRANT	⊕ FH
GAS METER	⊗ GM
GAS VALVE	⊗ GV
CLEAN-OUT	○ CO
GUARD POST (BOLLARD)	● GP
SIGN POST	⊕
BENCHMARK	⊕
STORM SEWER MANHOLE	⊕
SANITARY SEWER MANHOLE	⊕
TELEPHONE MANHOLE	⊕
ELECTRIC MANHOLE	⊕
TELEPHONE BOX	⊕
ELECTRIC BOX	⊕
CABLE BOX	⊕
UTILITY POLE	⊕
GUY WIRE	⊕
LIGHT POLE	⊕
POST OR POLE (TYPE AS NOTED)	⊕
MAILBOX	⊕
DECIDUOUS TREE	⊕
EVERGREEN/CONIFEROUS TREE	⊕
BUSH	⊕
PROPERTY LINE	⊕
SETBACK LINE	⊕
EASEMENT LINE	⊕
CURB	⊕
FENCE	⊕
OVERHEAD ELECTRIC	⊕
OVERHEAD TELEPHONE	⊕
OVERHEAD CABLE	⊕
UNDERGROUND TELEPHONE	⊕
UNDERGROUND ELECTRIC	⊕
UNDERGROUND CABLE	⊕
WATER LINE	⊕
SEWER LINE	⊕
GAS LINE	⊕
STORM SEWER/CULVERT	⊕
EDGE OF WOODS	⊕
CONTOUR LINE	⊕

PROPOSED

PROPOSED CONTOUR	⊕
PROPOSED SPOT ELEVATION	⊕
PROPOSED 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 – SINGLE WING	⊕
STORM SEWER – DOUBLE WING	⊕
STORM SEWER – AREA INLET	⊕
GRADE BREAK LINE	⊕
HIGH POINT	⊕
LOW POINT	⊕
CUT LINE	⊕
FILL LINE	⊕
SANITARY SEWER PIPE	⊕
SANITARY SEWER MANHOLE	⊕
PROPOSED CURB	⊕
PROPOSED 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	⊕
DISTURBED AREA STABILIZATION –TEMPORARY GRASSING	⊕
DISTURBED AREA STABILIZATION –PERMANENT GRASSING	⊕
MATting/BLANKETS	⊕

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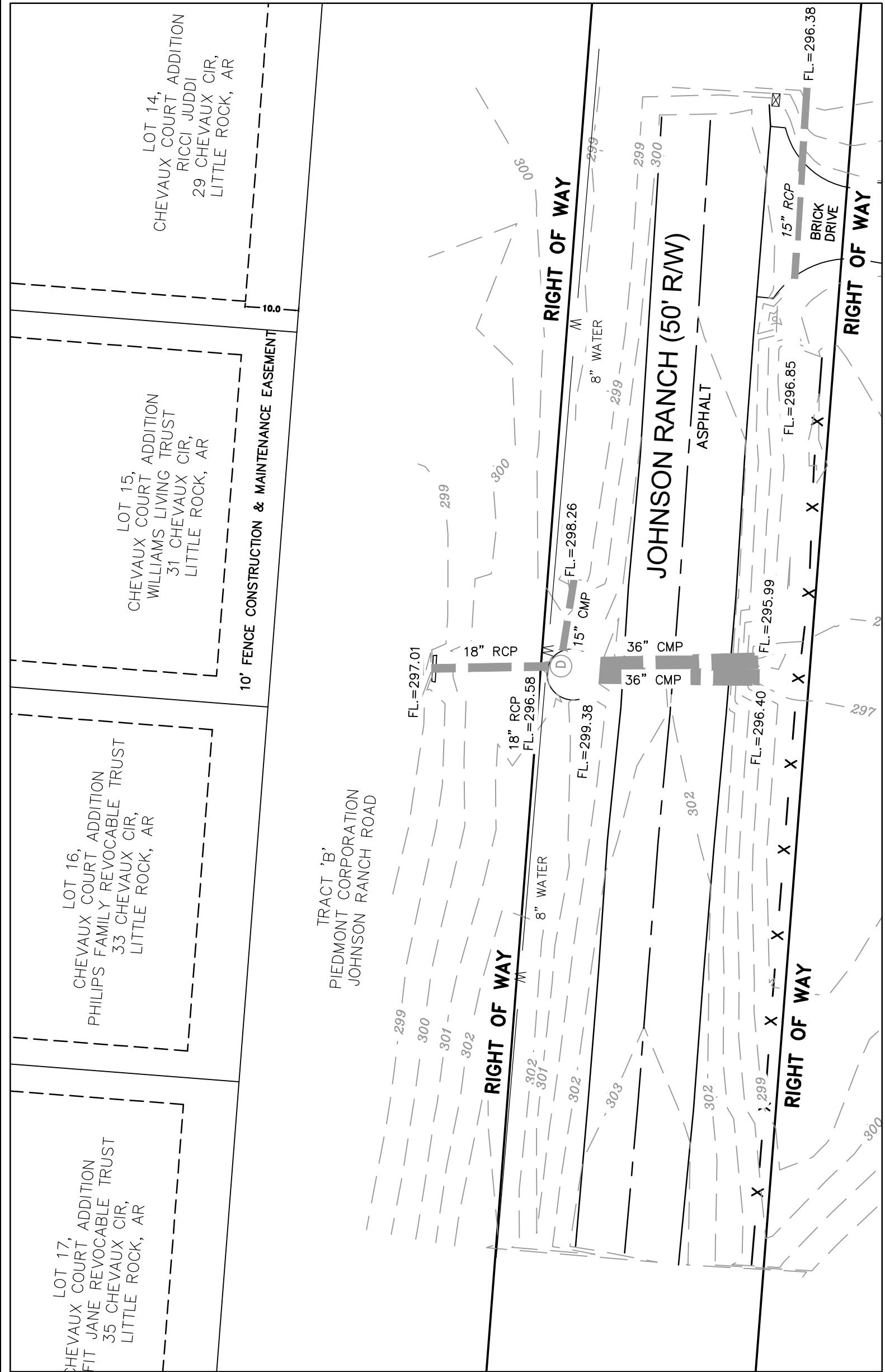
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CITY OF LITTLE ROCK, ARKANSAS
JOHNSON RANCH CULVERT REPLACEMENT
05-22-DR-004B
LEGEND & QUANTITIES

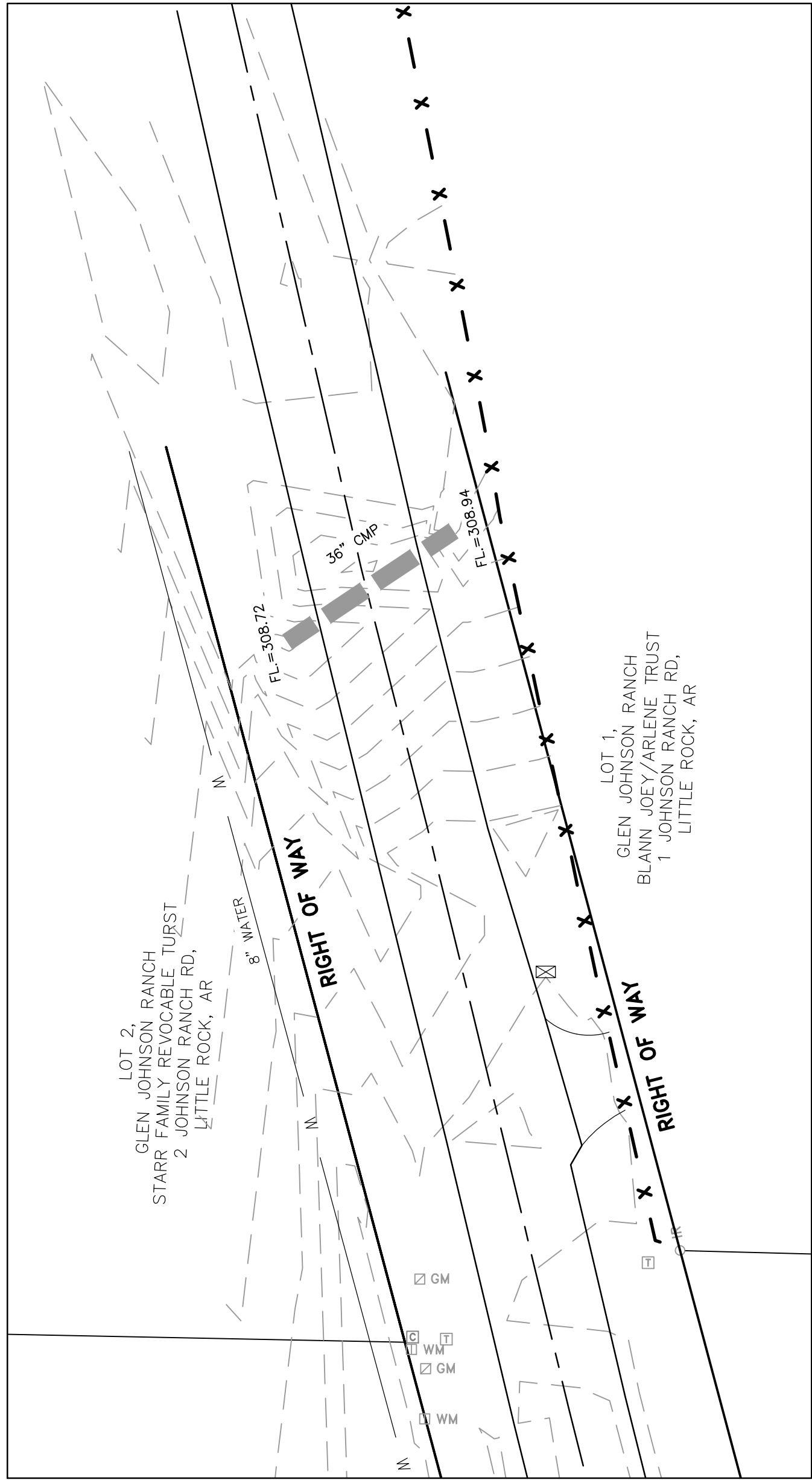
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701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED
PROFESSIONAL
ENGINEER
No. 22576
THOMAS ENGINEERING COMPANY

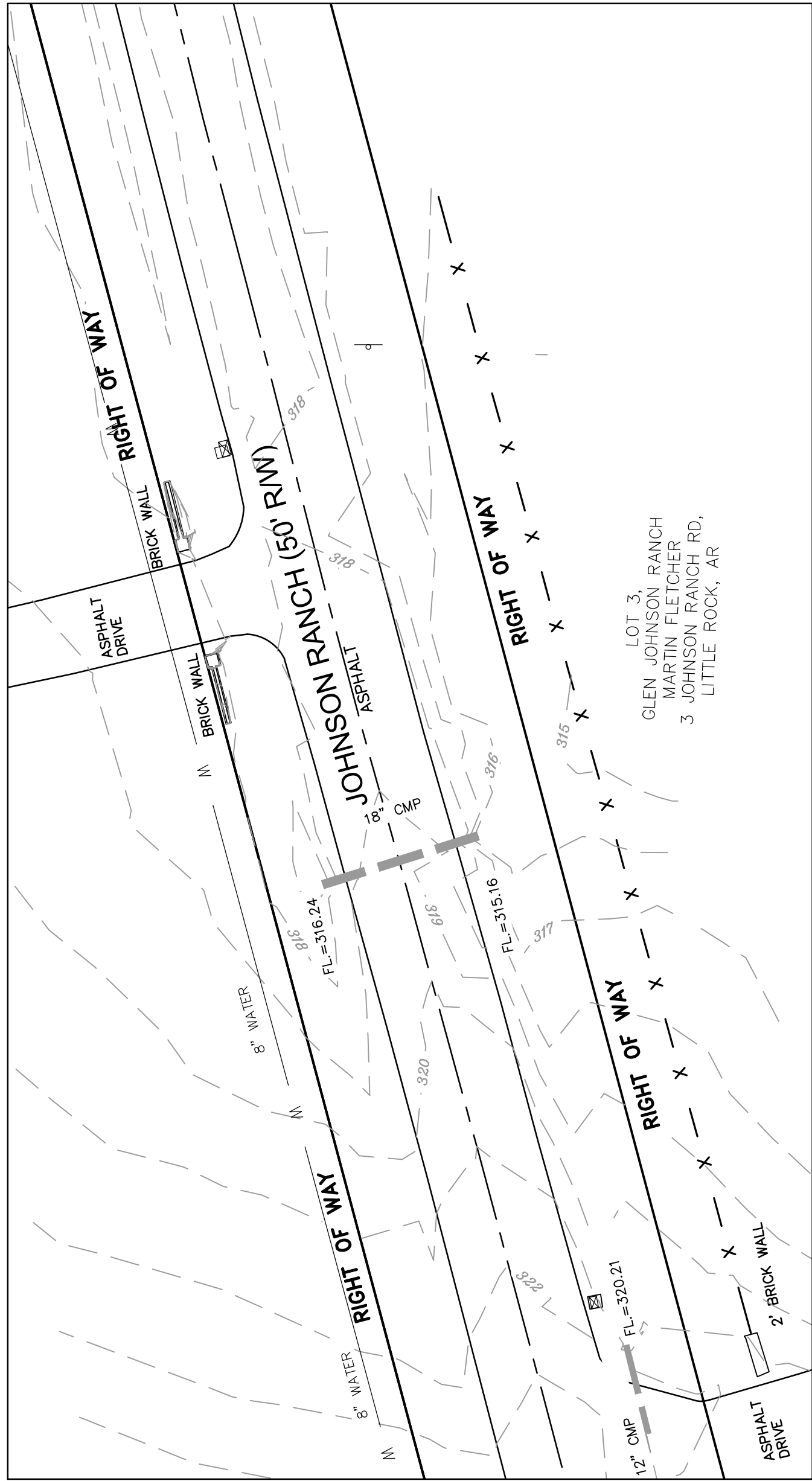
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DATE 6/14/24
SCALE NTS
PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-2



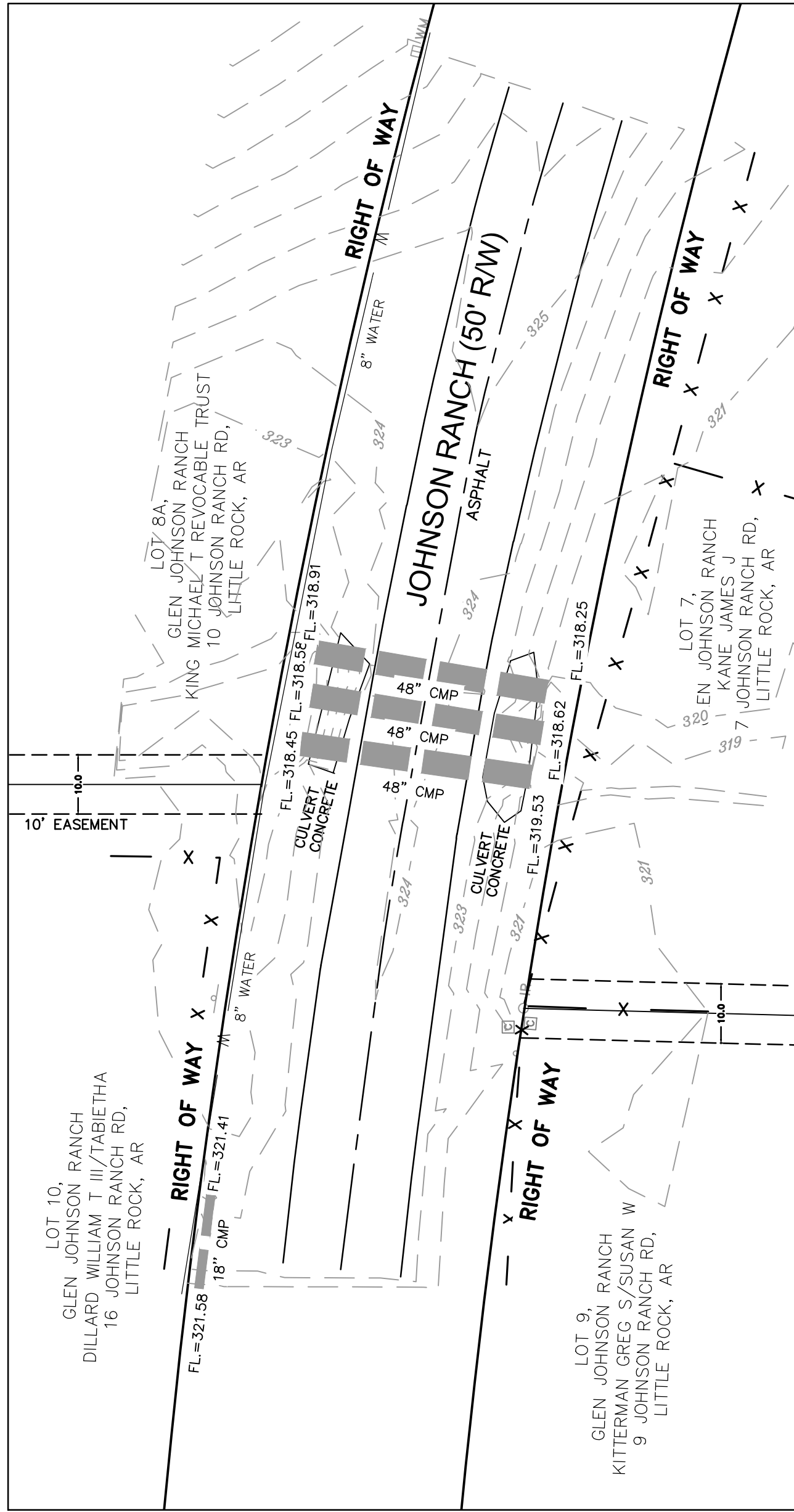
JOHNSON RANCH AT HOFFMAN LANE



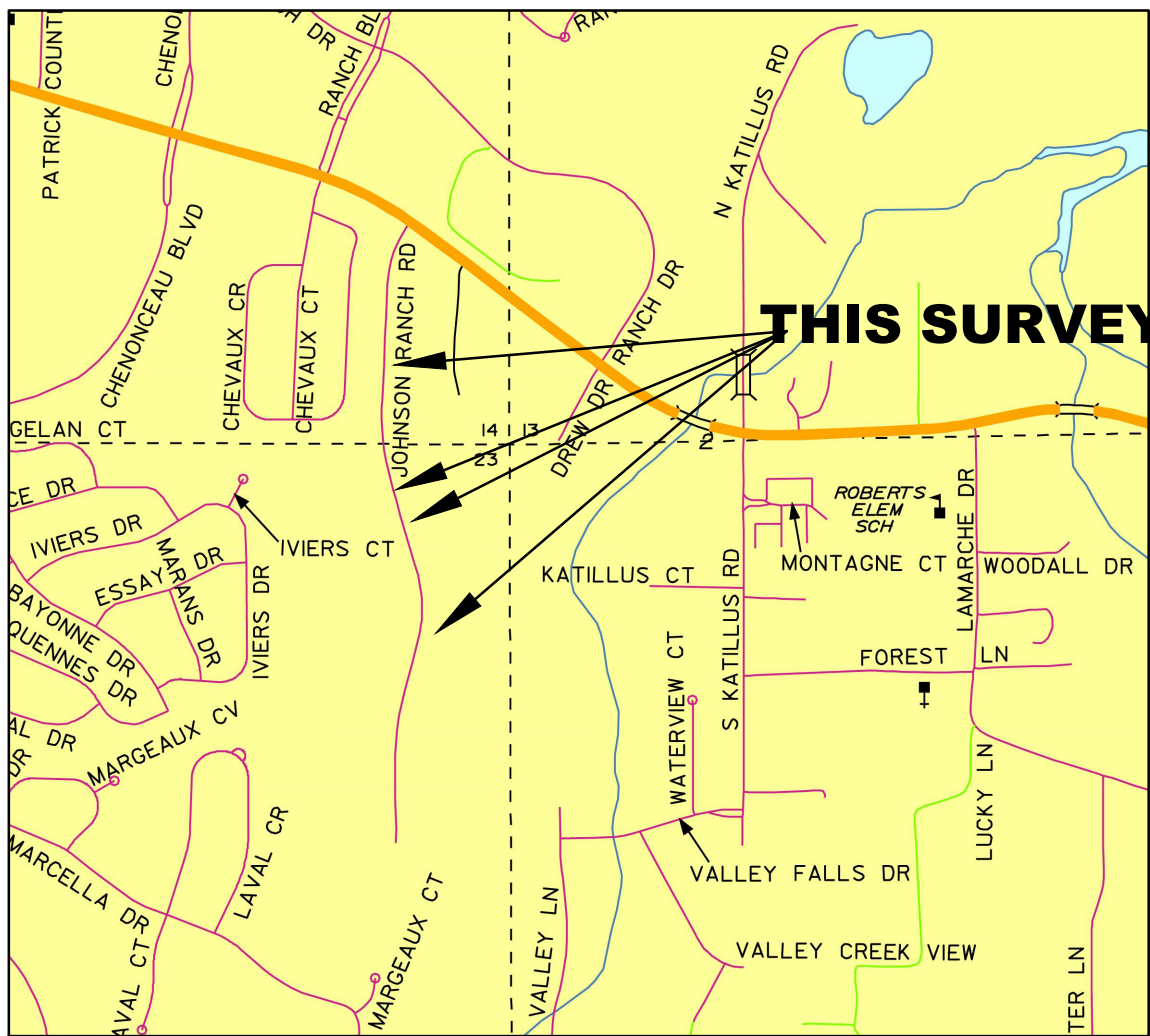
1 JOHNSON RANCH DRIVE



3 JOHNSON RANCH DRIVE



7 JOHNSON RANCH DRIVE



VICINITY MAP

SURVEYOR'S NOTES

1. THE INFORMATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THIS SURVEY IS BASED ON RECORDS OF EXISTING UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS WERE TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS IN ADVANCE BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
2. BASIS OF BEARINGS: ARKANSAS STATE PLANE, NORTH ZONE (AR DOT).
3. THE PROPERTY IS NOT SHOWN IN THE 100 YEAR FLOOD PLAIN ON THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 060181 0319 H DATED JUNE 6, 2019.
4. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT TITLE SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE, OR ANY OTHER FACTS WHICH AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.

CERTIFICATE

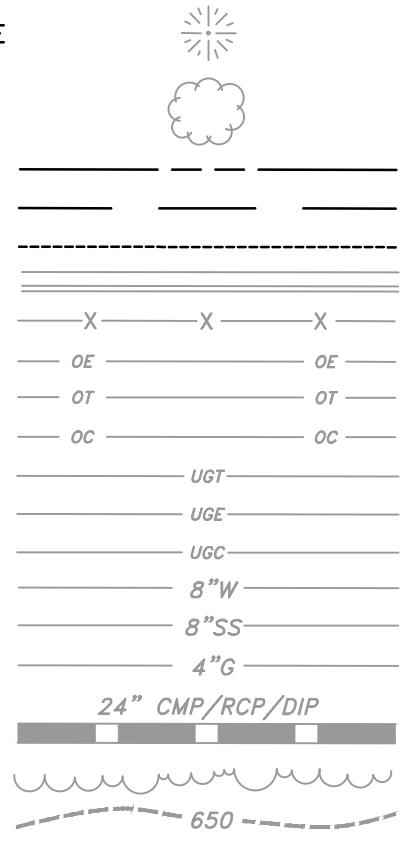
THIS IS TO CERTIFY THAT THE ABOVE DESCRIBED LAND HAS BEEN SURVEYED. THE CORNERS ARE MARKED AS SHOWN AND ARE IN ACCORDANCE WITH EXISTING MONUMENTS IN THE VICINITY. THIS CERTIFICATION IS FOR AND LIMITED TO THE PARTIES SHOWN HEREON.

EXISTING

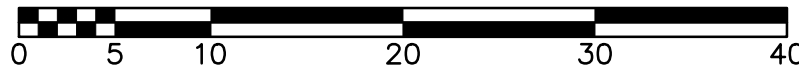
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- PK NAIL
- R.R. SPIKE
- CONC. MONUMENT
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- CLEAN-OUT
- GUARD POST (BOLLARD)
- SIGN POST
- BENCHMARK
- STORM SEWER MANHOLE
- SANITARY SEWER MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE BOX
- ELECTRIC BOX
- CABLE BOX
- UTILITY POLE
- GUY WIRE
- LIGHT POLE
- POST OR POLE (TYPE AS NOTED)
- MAILBOX
- DECIDUOUS TREE

EXISTING

- EVERGREEN/CONIFEROUS TREE
- BUSH
- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- CURB
- FENCE
- OVERHEAD ELECTRIC
- OVERHEAD TELEPHONE
- OVERHEAD CABLE
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRIC
- UNDERGROUND CABLE
- WATER LINE
- SEWER LINE
- GAS LINE
- STORM SEWER/CULVERT
- EDGE OF WOODS
- CONTOUR LINE



GRAPHIC SCALE



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CITY OF LITTLE ROCK, ARKANSAS
JOHNSON RANCH CULVERT REPLACEMENT
05-22-DR-004B

TOPOGRAPHIC SURVEY



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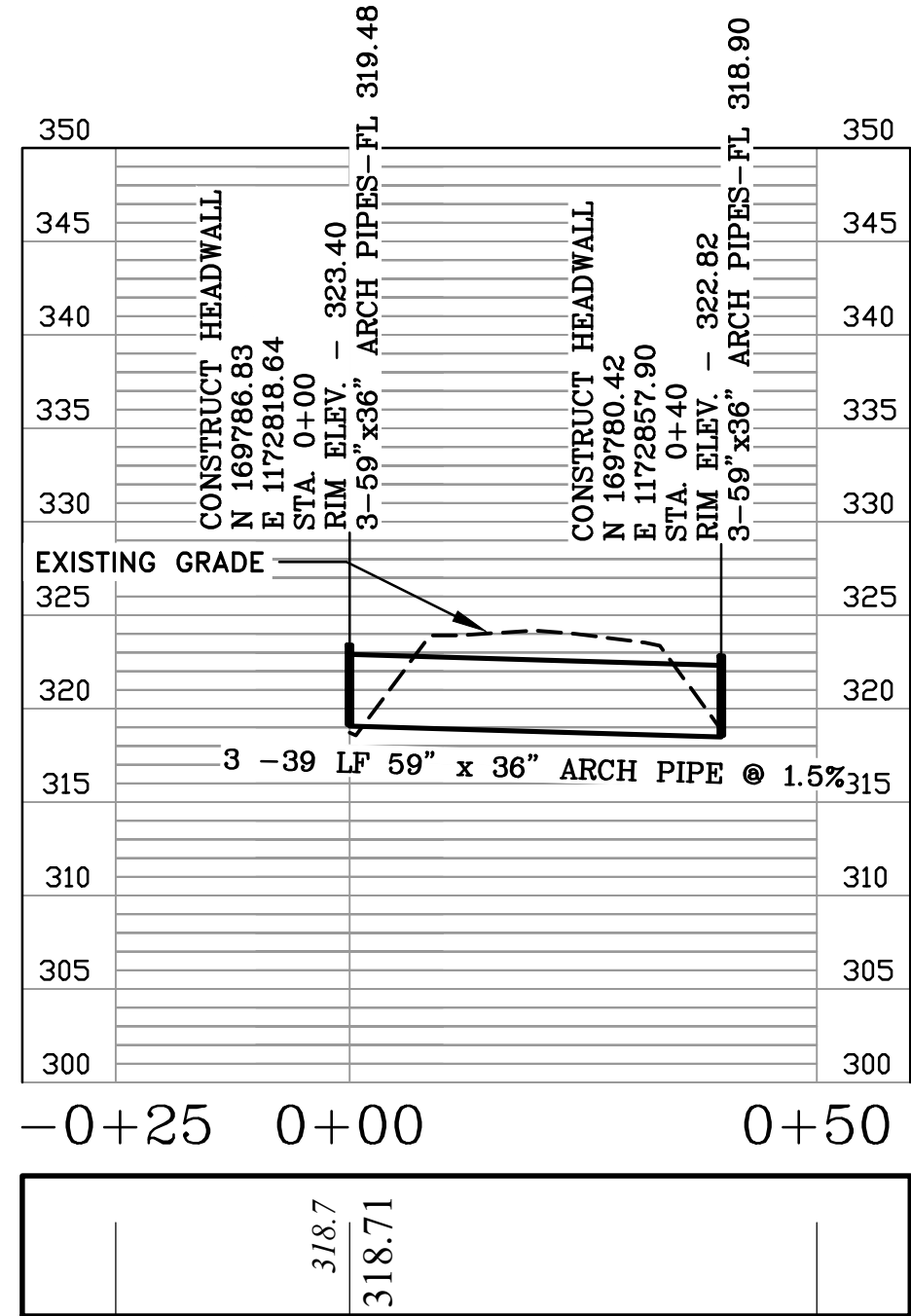
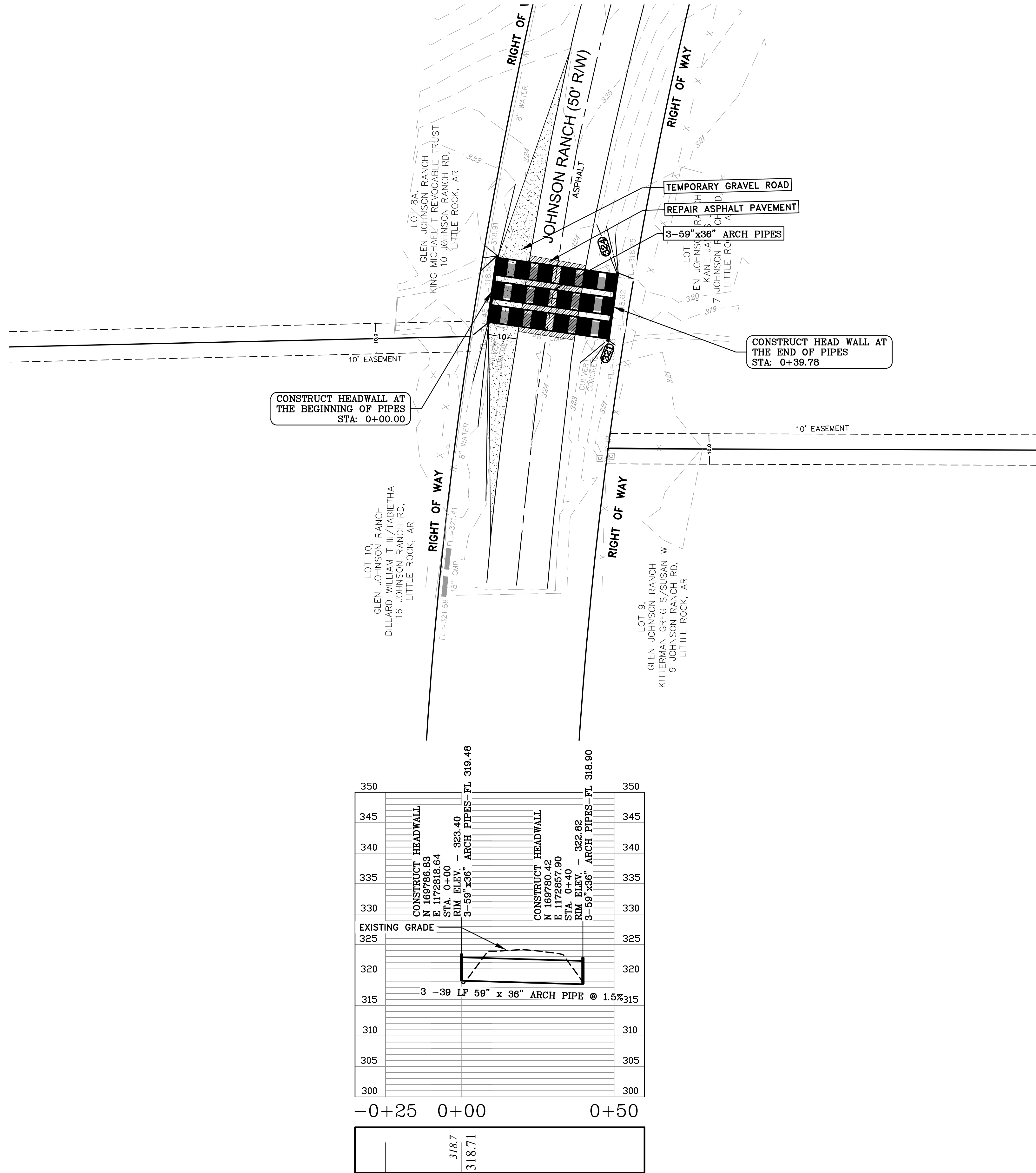
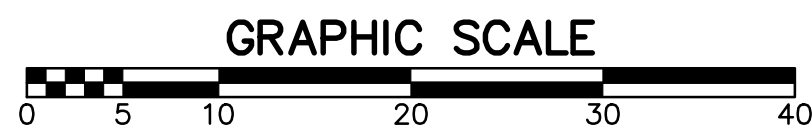
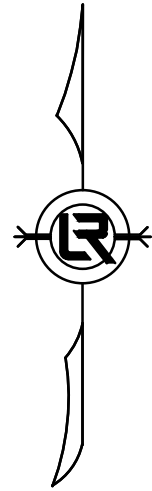
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PROJECT NO.

CLR #05-22-DR-004B

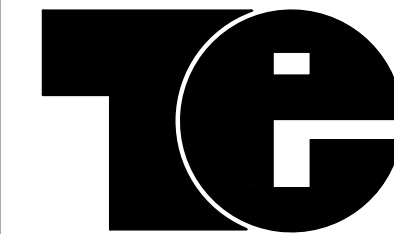
SHEET NO.

C-3



7 JOHNSON RANCH ROAD (05-22-DR-003)

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CITY OF LITTLE ROCK, ARKANSAS
JOHNSON RANCH CULVERT REPLACEMENT
05-22-DR-004B

7 JOHNSON RANCH DRIVE

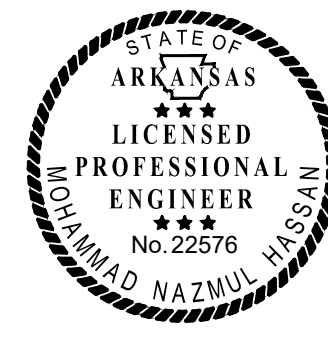
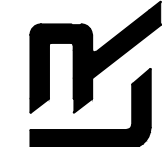


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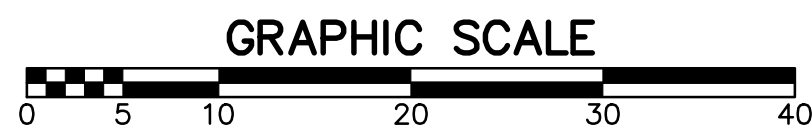
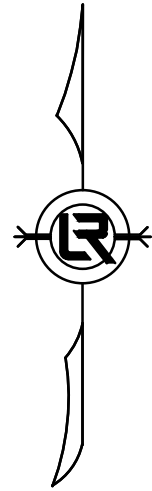
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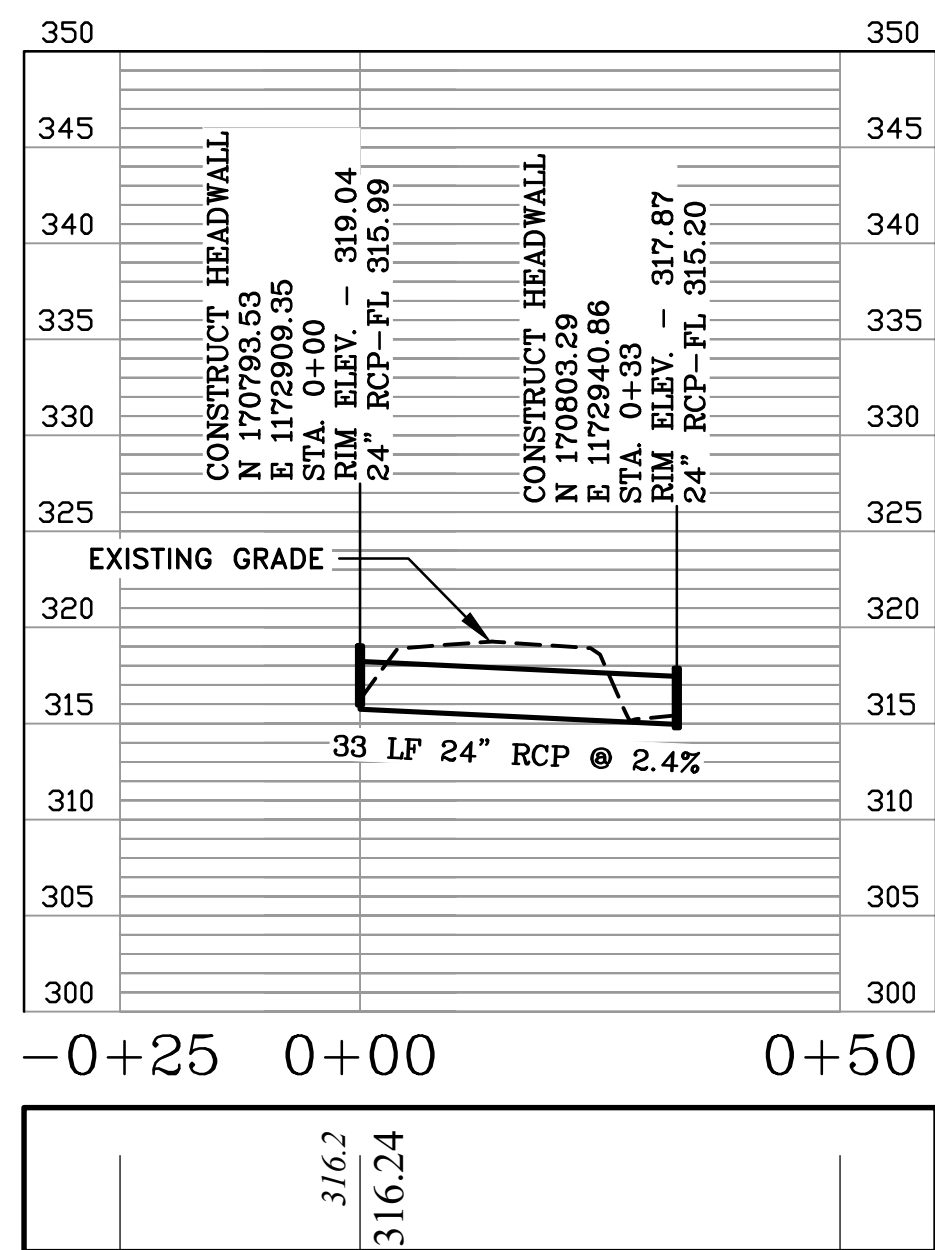
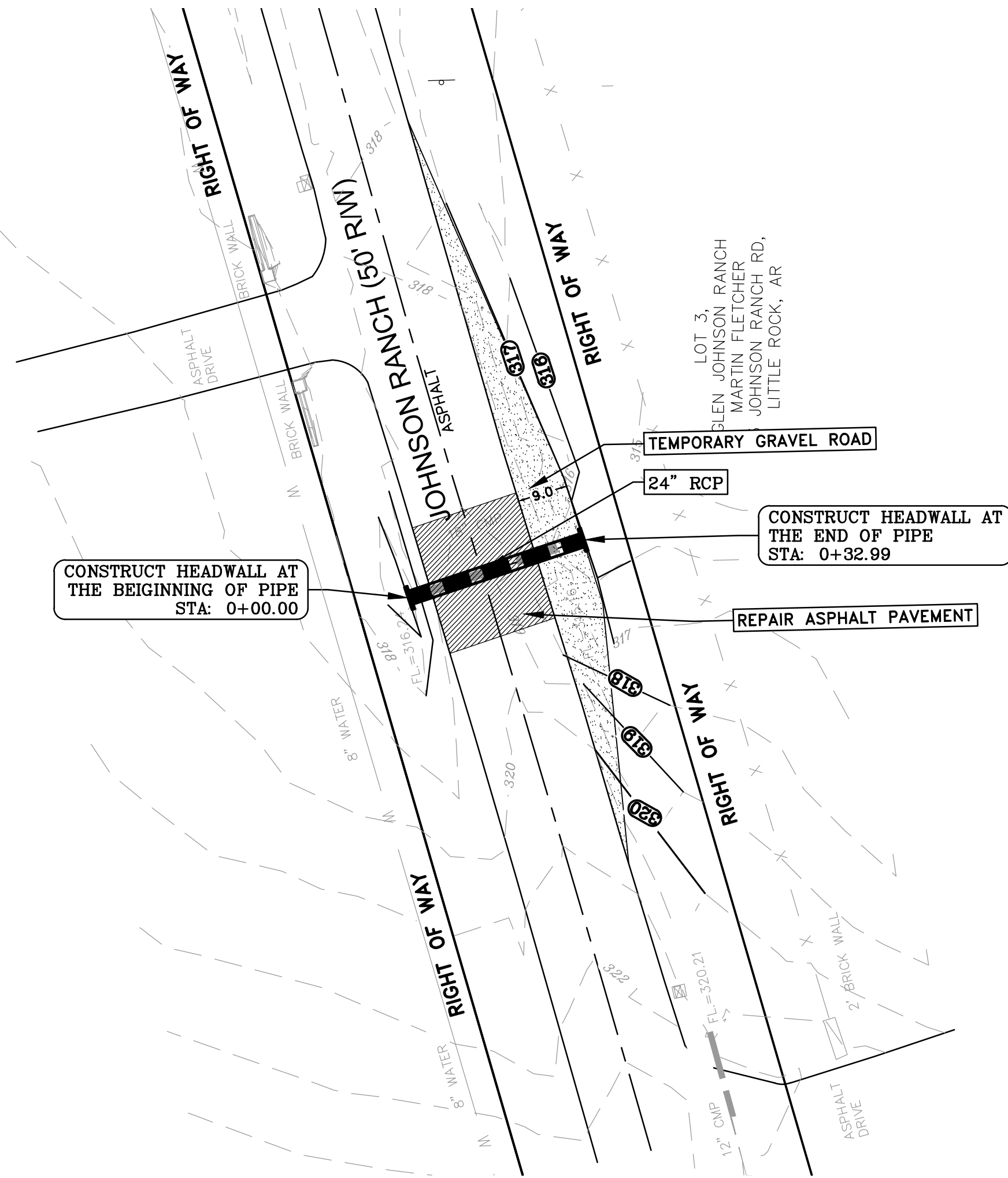
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SHEET NO.

C-4



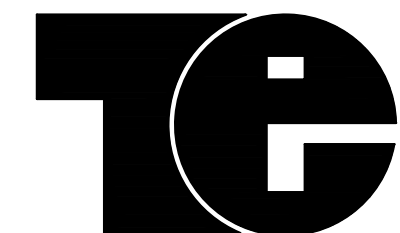
LOT 4,
GLEN JOHNSON RANCH
PARDO PROPERTIES LLC
4 JOHNSON RANCH RD,
LITTLE ROCK, AR



STORM B

3 JOHNSON RANCH ROAD (05-22-DR-003)

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JOHNSON RANCH CULVERT REPLACEMENT
05-22-DR-004B

3 JOHNSON RANCH DRIVE



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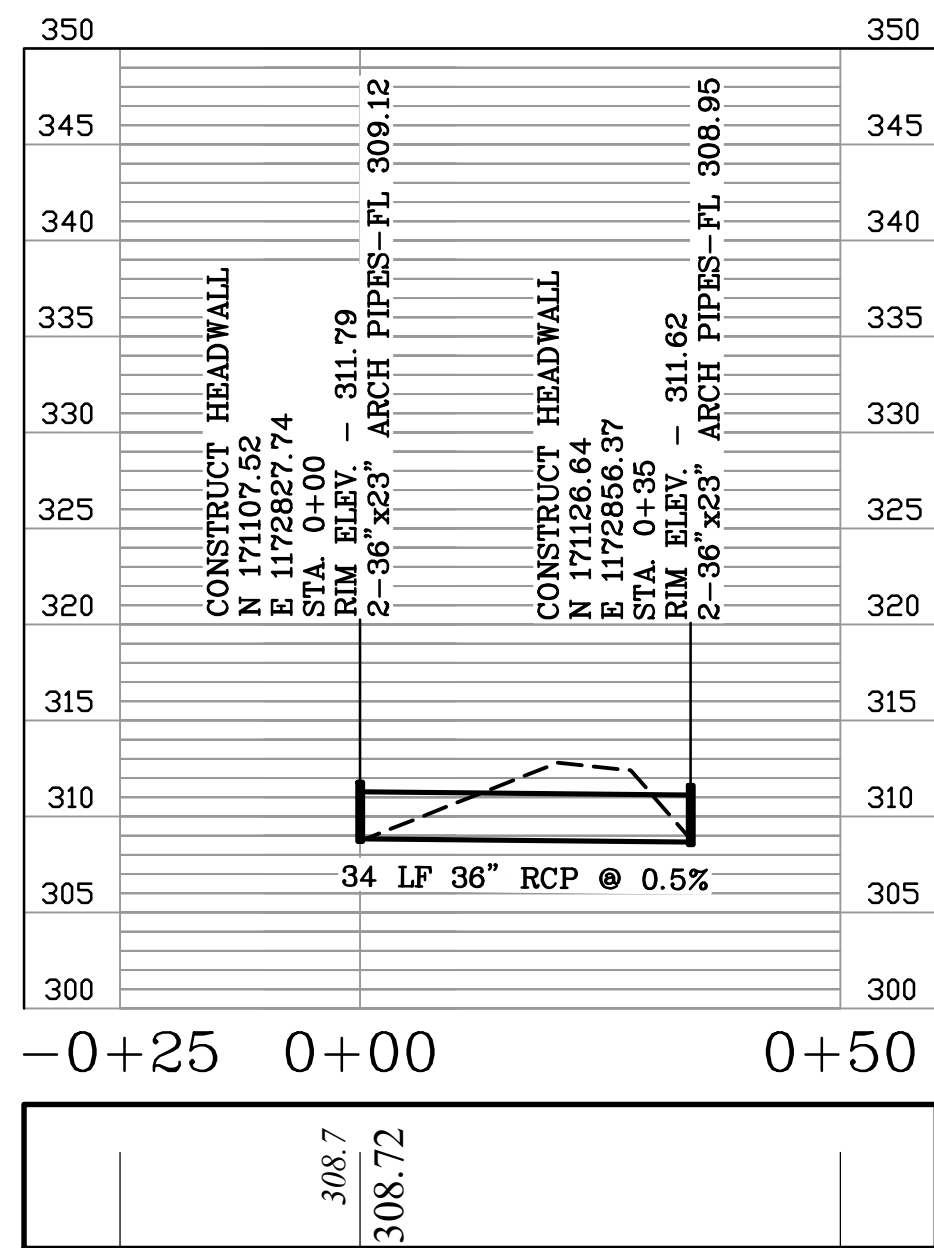
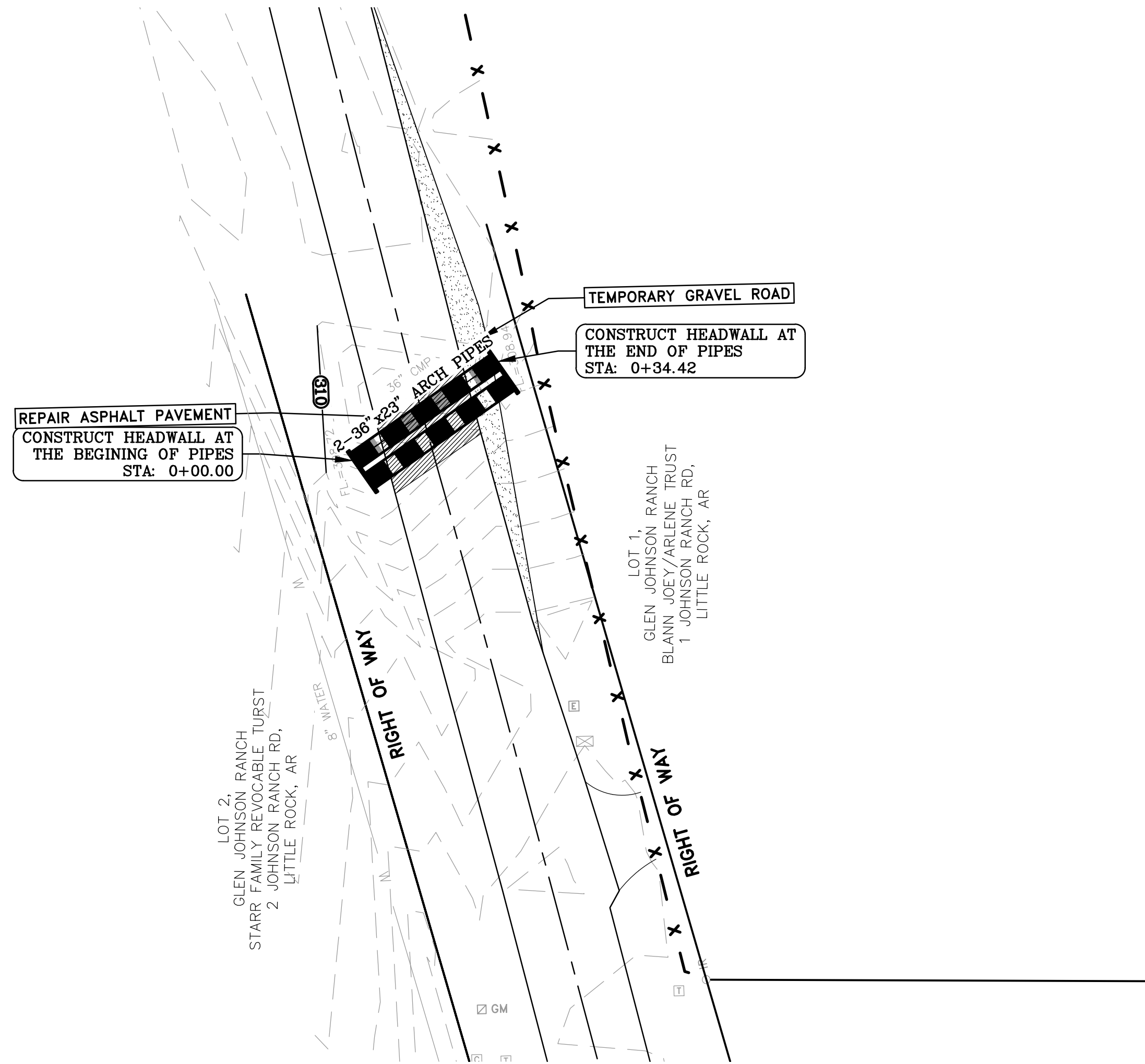
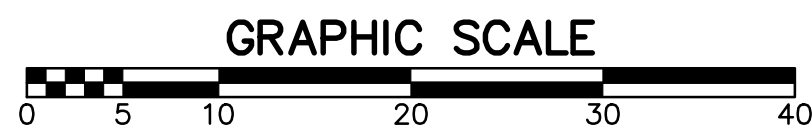
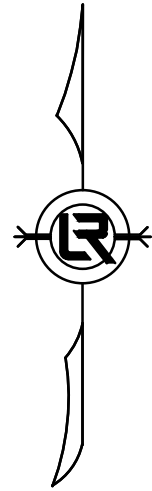
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PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-5



1 JOHNSON RANCH ROAD

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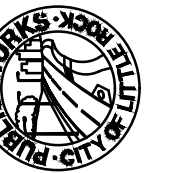
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JOHNSON RANCH CULVERT REPLACEMENT
05-22-DR-004B

3 JOHNSON RANCH DRIVE

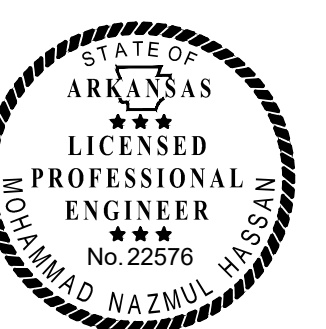


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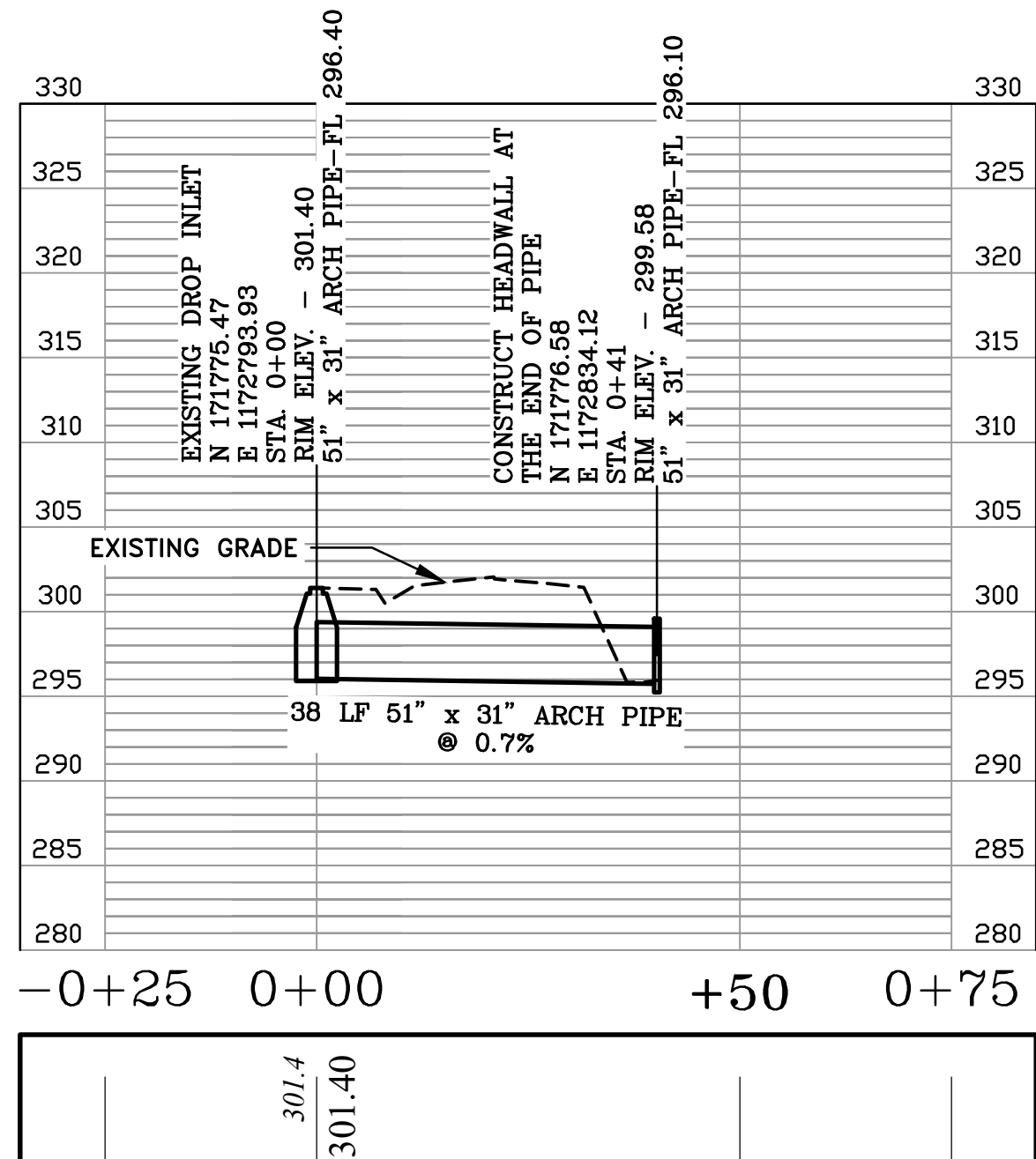
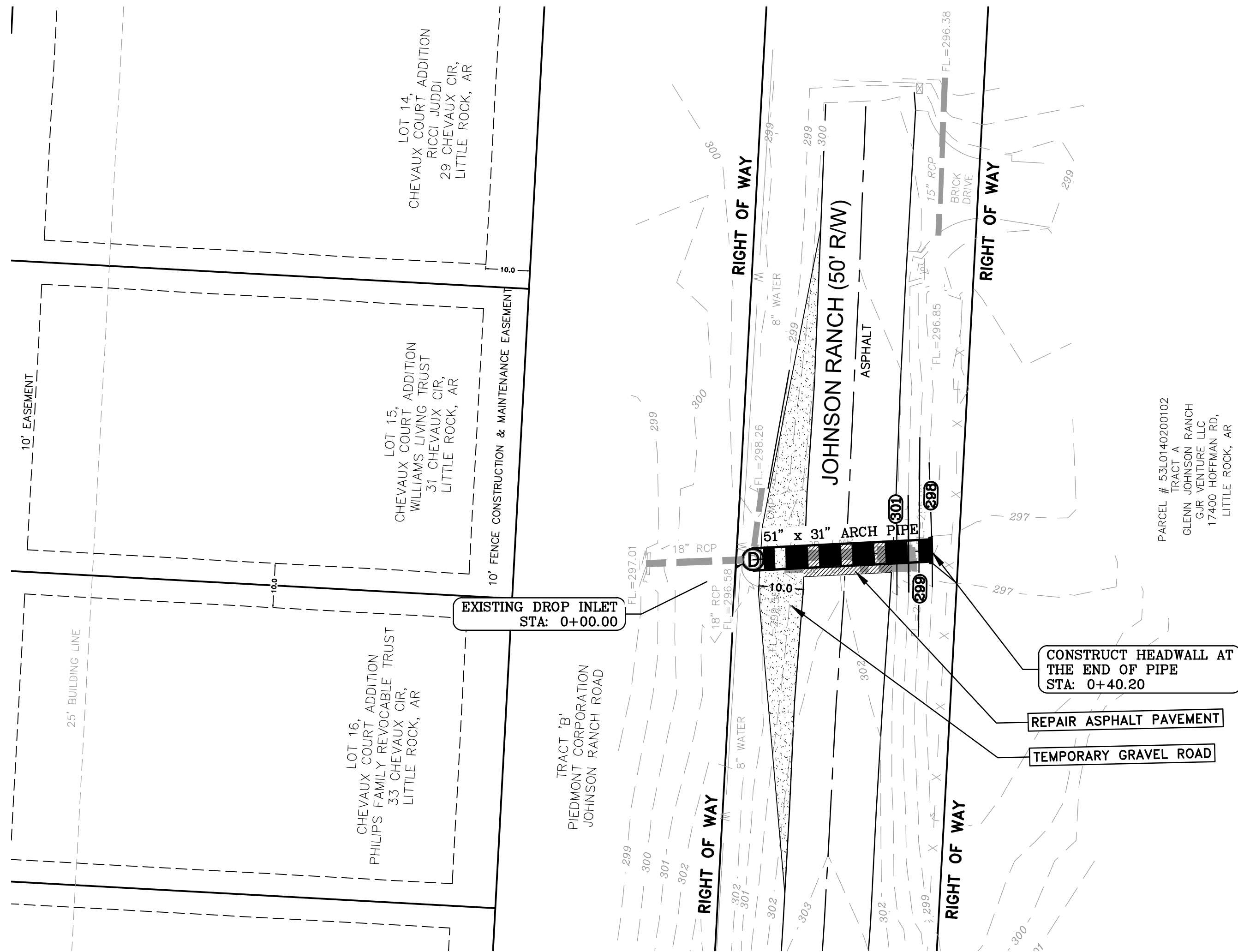
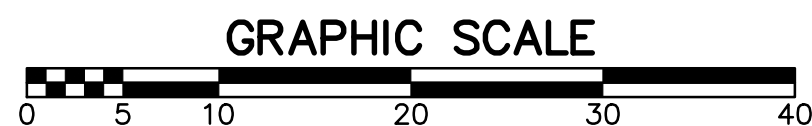
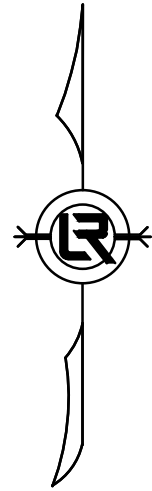
1"=20'

PROJECT NO.

CLR #05-22-DR-004B

SHEET NO.

C-6



JOHNSON RANCH AT HOFFMAN LANE (05-22-DR-004)

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JOHNSON RANCH CULVERT REPLACEMENT
05-22-DR-004B

JOHNSON AT HOFFMAN LANE

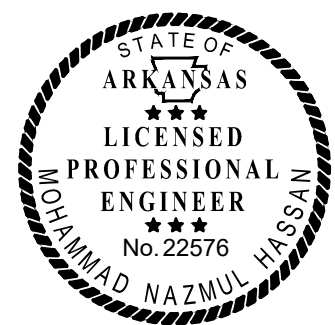
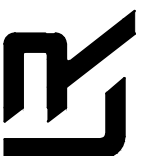


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MNH

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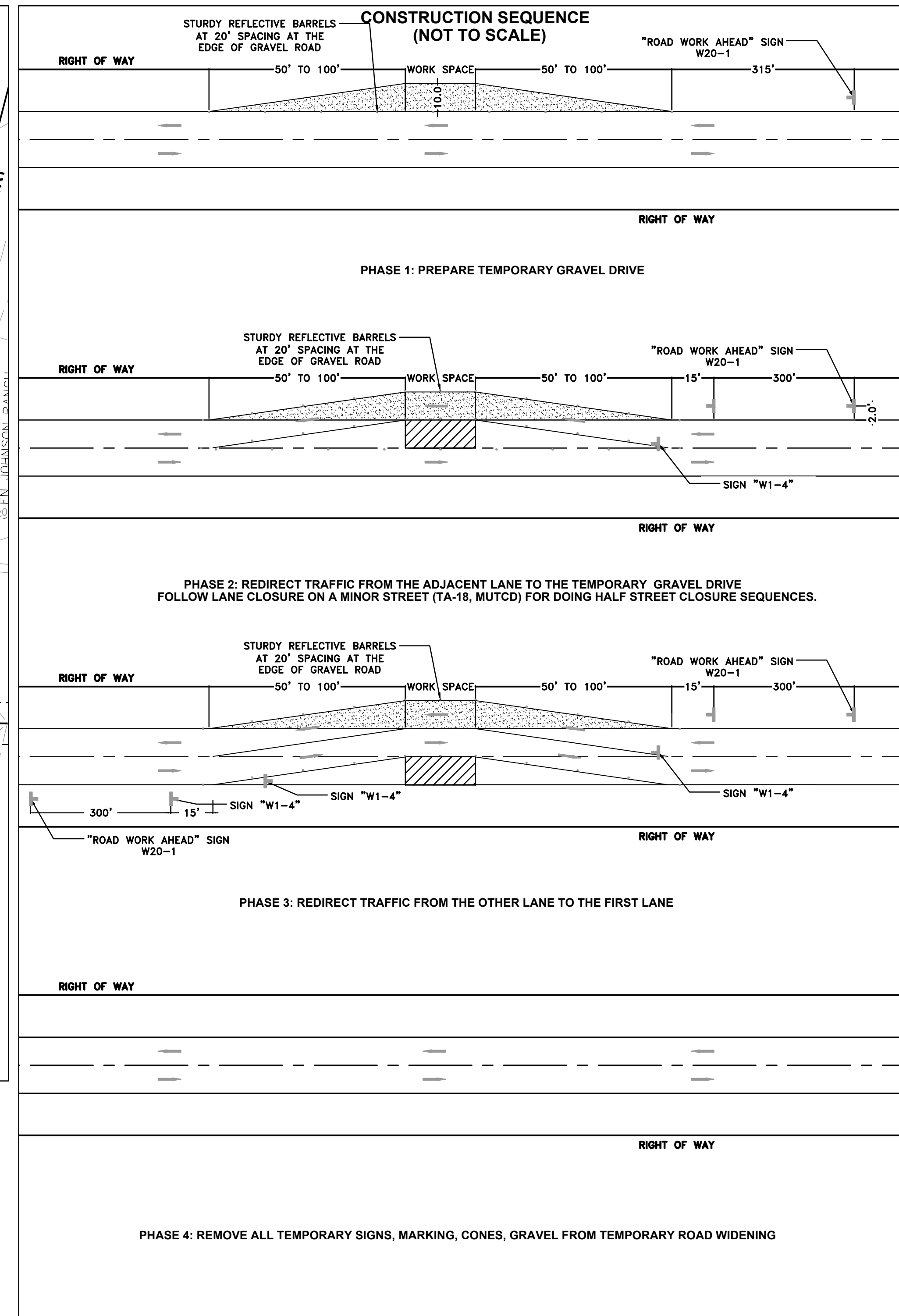
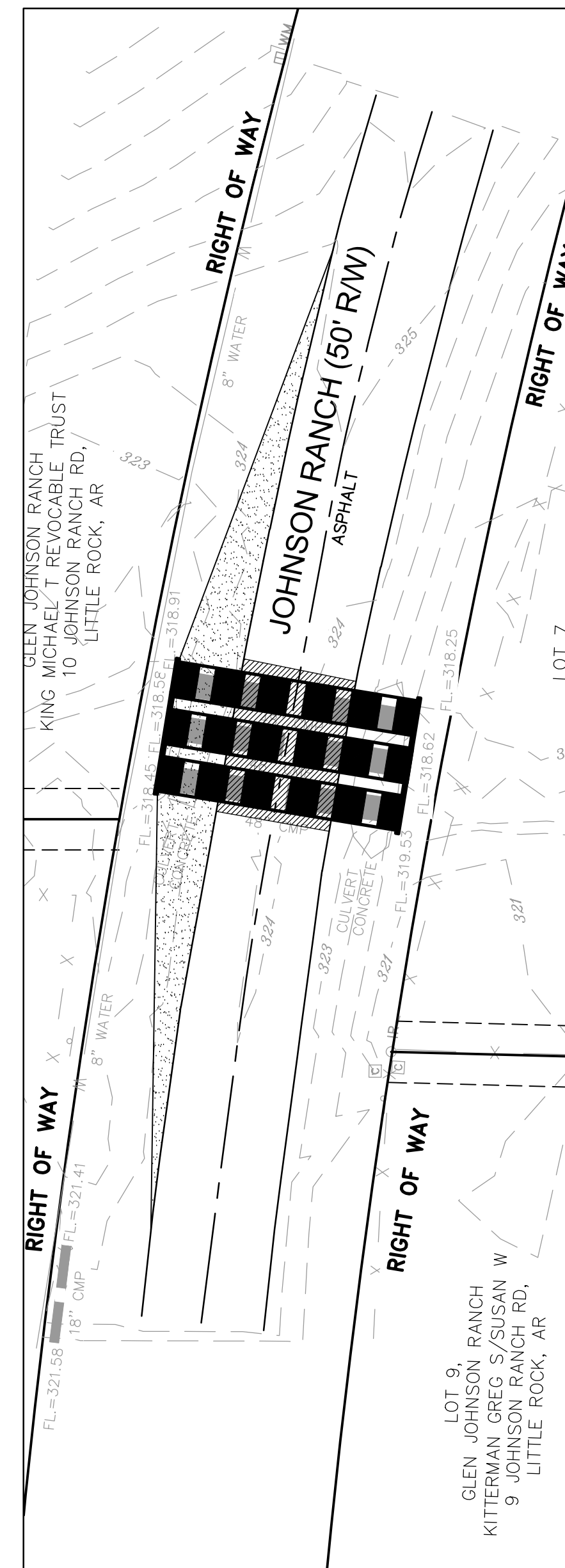
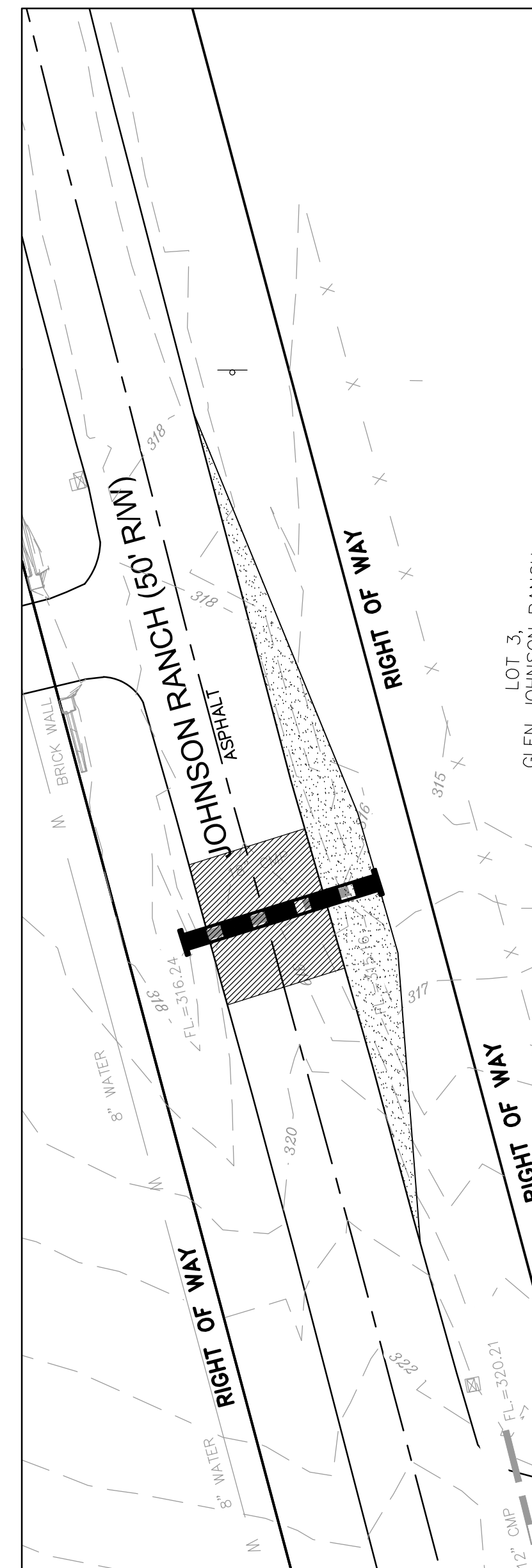
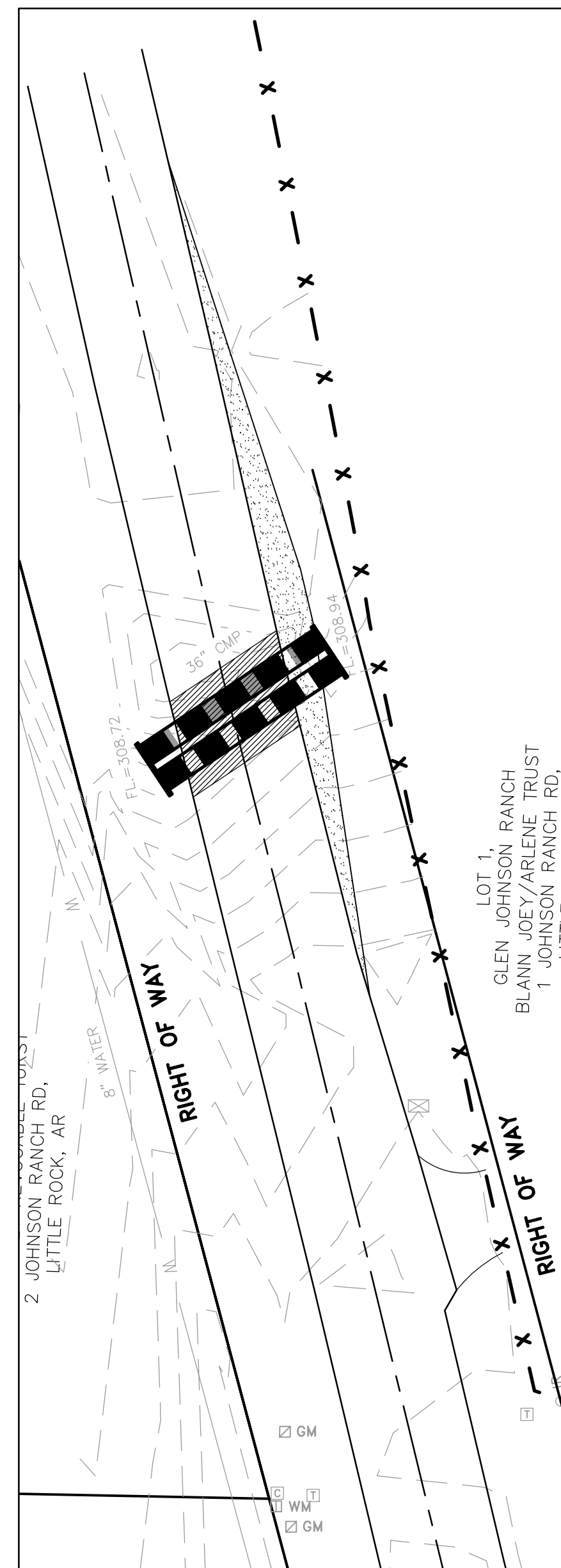
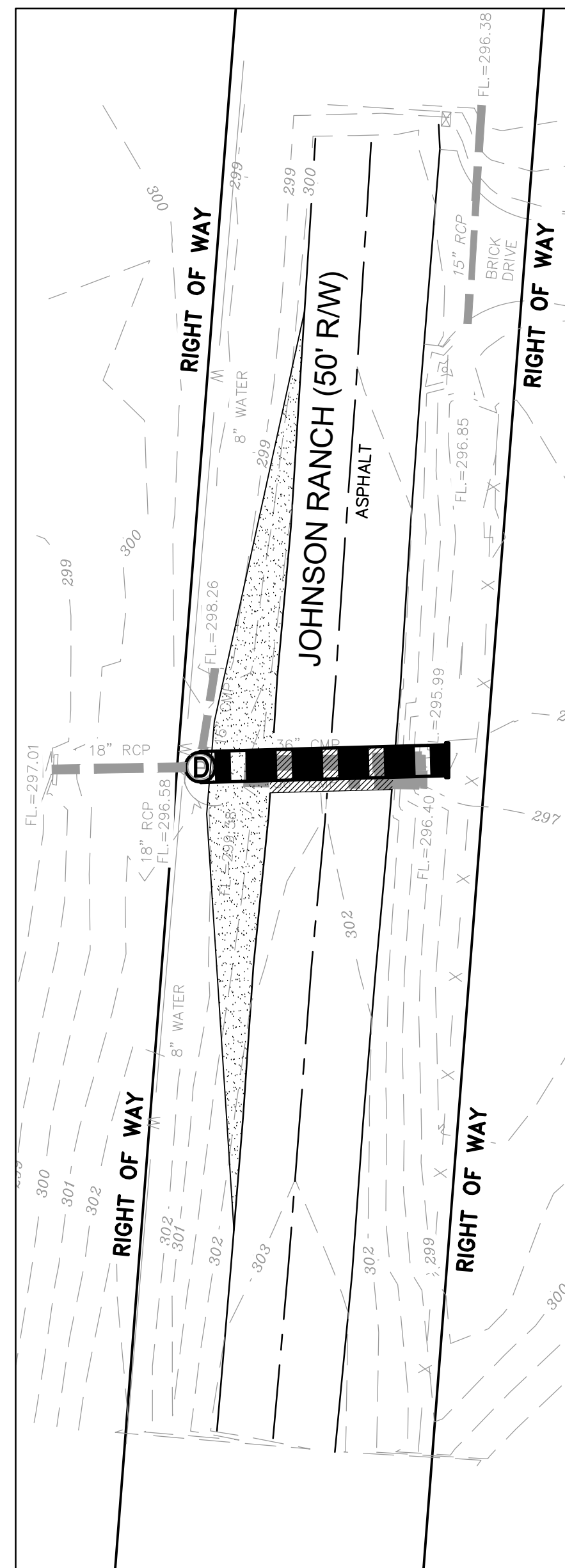
1"=20'

PROJECT NO.

CLR #05-22-DR-004B

SHEET NO.

C-7



CONSTRUCTION SEQUENCE

1. MAINTAIN TRAFFIC ON EXISTING ROADWAY. CONSTRUCT TEMPORARY GRAVEL WIDENING FOR DETOURING TRAFFIC FROM ONE LANE TO TEMPORARY GRAVEL ROAD. INSTALL TEMPORARY CONSTRUCTION BARRICADES (TYPE-1) ON TOP OF HEADWALLS.
2. INSTALL ADVANCE WARNING SIGNS AND DETOUR SIGN AT THE LOCATION ON THE TEMPORARY GRAVEL ROADWAY SIDE ACCORDING TO PHASE 2 DETAILS. PLACE CONES/ BARRIERS. INSTALL TEMPORARY GUARDRAIL ON WIDEN SIDE OF THE TEMPORARY ROAD. CLEARING AND GRUBBING OPERATIONS MAY BEGIN IF REQUIRED. SHIFT TRAFFIC FROM THE ADJACENT LANE ONTO THE GRAVEL DETOUR AND TEMPORARY WIDENING. START WORKING ON THE THIS HALF OF THE ROADWAY.
3. ONCE WORK IS COMPLETED UNDERNEATH THE ADJACENT LANE OF THE TEMPORARY GRAVEL WIDENING, INSTALL ADVANCE WORKING SIGN AND DETOUR SIGN ON THE OTHER SIDE OF THE ROADWAY. IN ORDER TO START WORKING ON THE OPPOSITE LANE, SHIFT TRAFFIC FROM THE OPPOSITE LANE TO LANE ADJACENT TO TEMPORARY GRAVEL ROAD.
4. ONCE WORK IS COMPLETED UNDER BOTH LANE, REMOVE ALL CONES, BARRIERS, TEMPORARY GUARDRAILS, DETOUR SIGNS, ADVANCE WARNING SIGNS AND GRAVEL FROM TEMPORARY WIDENING.

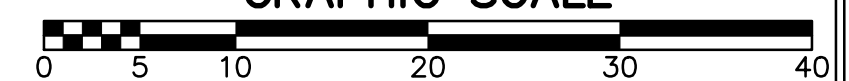
2. INSTALL ADVANCE WARNING SIGNS AND DETOUR SIGN AT THE LOCATION ON THE TEMPORARY GRAVEL ROADWAY SIDE ACCORDING TO PHASE 2 DETAILS. PLACE CONES/BARRIERS, INSTALL TEMPORARY GUARDRAIL ON WIDEN SIDE OF THE TEMPORARY ROAD. CLEARING AND GRUBBING OPERATIONS MAY BEGIN IF REQUIRED. SHIFT TRAFFIC FROM THE ADJACENT LANE ONTO THE GRAVEL DETOUR AND TEMPORARY WIDENING. START WORKING ON THE THIS HALF OF THE ROADWAY.

3. ONCE WORK IS COMPLETED UNDERNEATH THE ADJACENT LANE OF THE TEMPORARY GRAVEL WIDENING, INSTALL ADVANCE WORKING SIGN AND DETOUR SIGN ON THE OTHER SIDE OF THE ROADWAY. IN ORDER TO START WORKING ON THE OPPOSITE LANE, SHIFT TRAFFIC FROM THE OPPOSITE LANE TO LANE ADJACENT TO TEMPORARY GRAVEL ROAD.

4. ONCE WORK IS COMPLETED UNDER BOTH LANE, REMOVE ALL CONES, BARRIERS, TEMPORARY GUARDRAILS, DETOUR SIGNS, ADVANCE WARNING SIGNS AND GRAVEL FROM TEMPORARY WIDENING.

100% SUBMITTAL

GRAPHIC SCALE



3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116
TEL: 501-753-4463 FAX: 501-753-6814

TEL: 501-753-4463 FAX: 501-753-6814

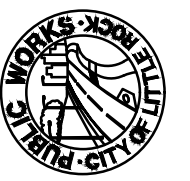
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS
JOHNSON RANCH CULVERT REPLACEMENT
05-22-DR-004B**

05-22-DR-004B

05-22-DR-004B

MAINTENANCE OF TRAFFIC

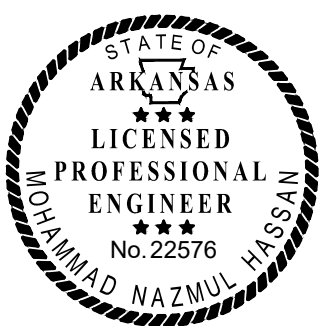


DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



LICENSED
PROFESSIONAL
ENGINEER

★ ★ ★
No. 22576

AD NAZMUL

DRAWN BY

MNH

DESIGNED

MNH

CHECKED

TRP

DATE _____

6/14/24

SCALE

1" = 20'

PROJECT NO.

CLR #05-22-DR-004B

SHEET NO.

C-8