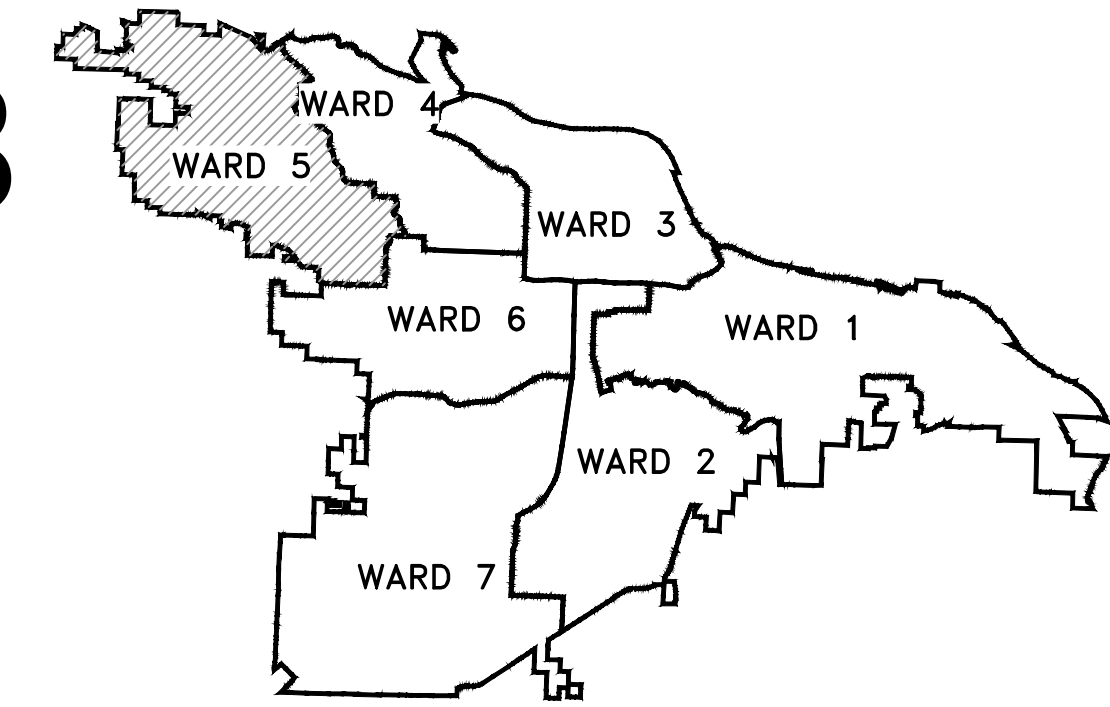


CLR PROJECT #05-22-DR-004B

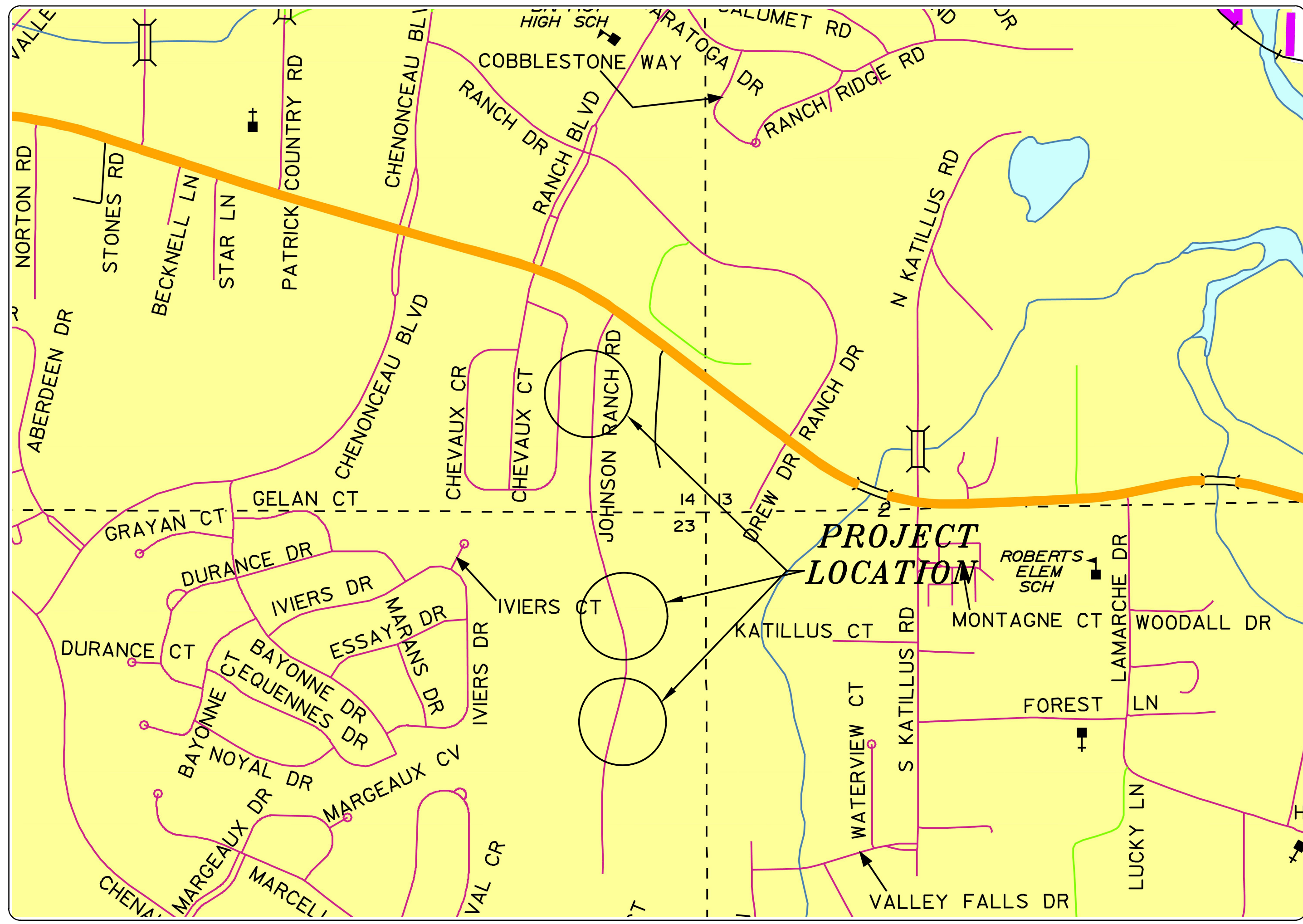
JOHNSON RANCH

CULVERT REPLACEMENT

LITTLE ROCK, AR

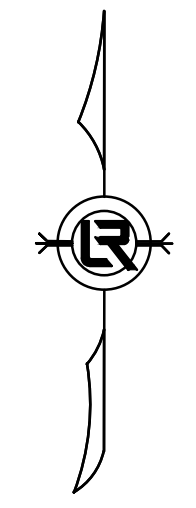


PROJECT LOCATION - WARD 5



SHEET INDEX

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

100% SUBMITTAL

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

REVISIONS	DATE

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

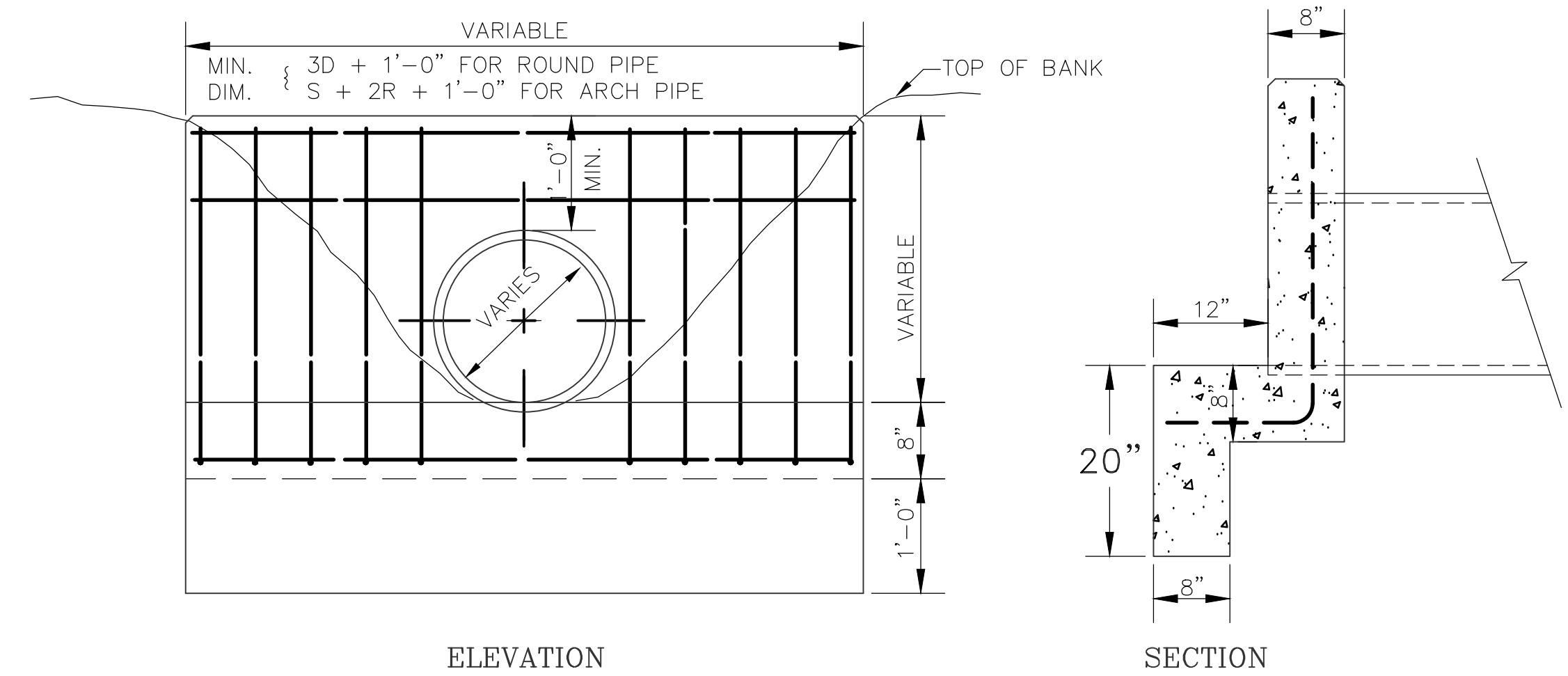
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 AHMAD NAZMUL HASSAN
 No. 22576

DRAWN BY	MNH
DESIGNED	MNH
CHECKED	TRP
DATE	6/14/24
SCALE	NTS
PROJECT NO.	CLR #05-22-DR-004B
SHEET NO.	C-1

REVISIONS	DATE

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



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 PROPOSED

- IRON ROD
- 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
- 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 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

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

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

STATE OF ARKANSAS
 LICENSED PROFESSIONAL ENGINEER
 No. 22576
 MOHAMMAD NAZMUL HASAN

DRAWN BY MNH
DESIGNED MNH
CHECKED TRP
DATE 6/14/24
SCALE NTS
PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-2

100% SUBMITTAL

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

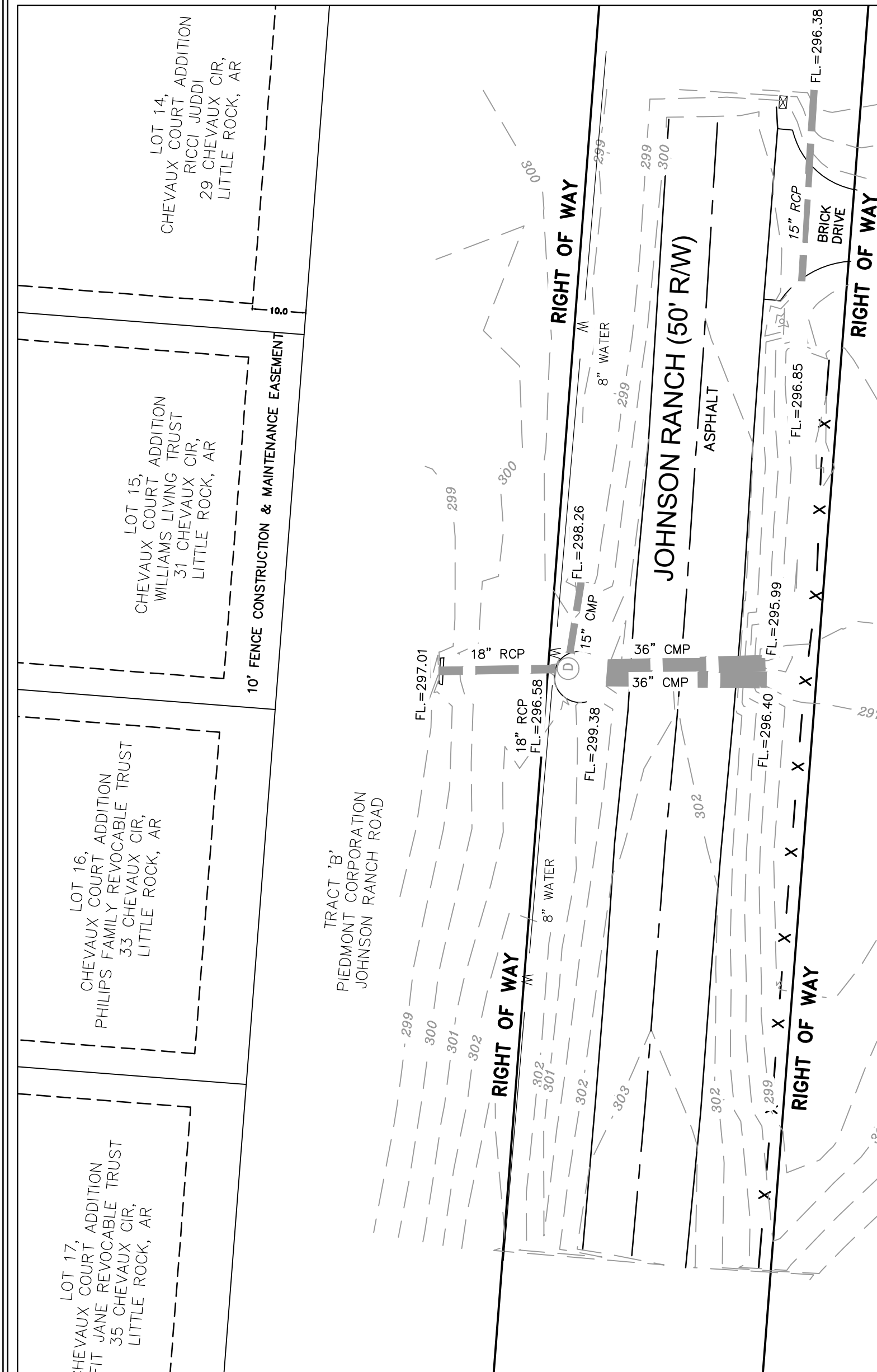
REVISIONS	DATE

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

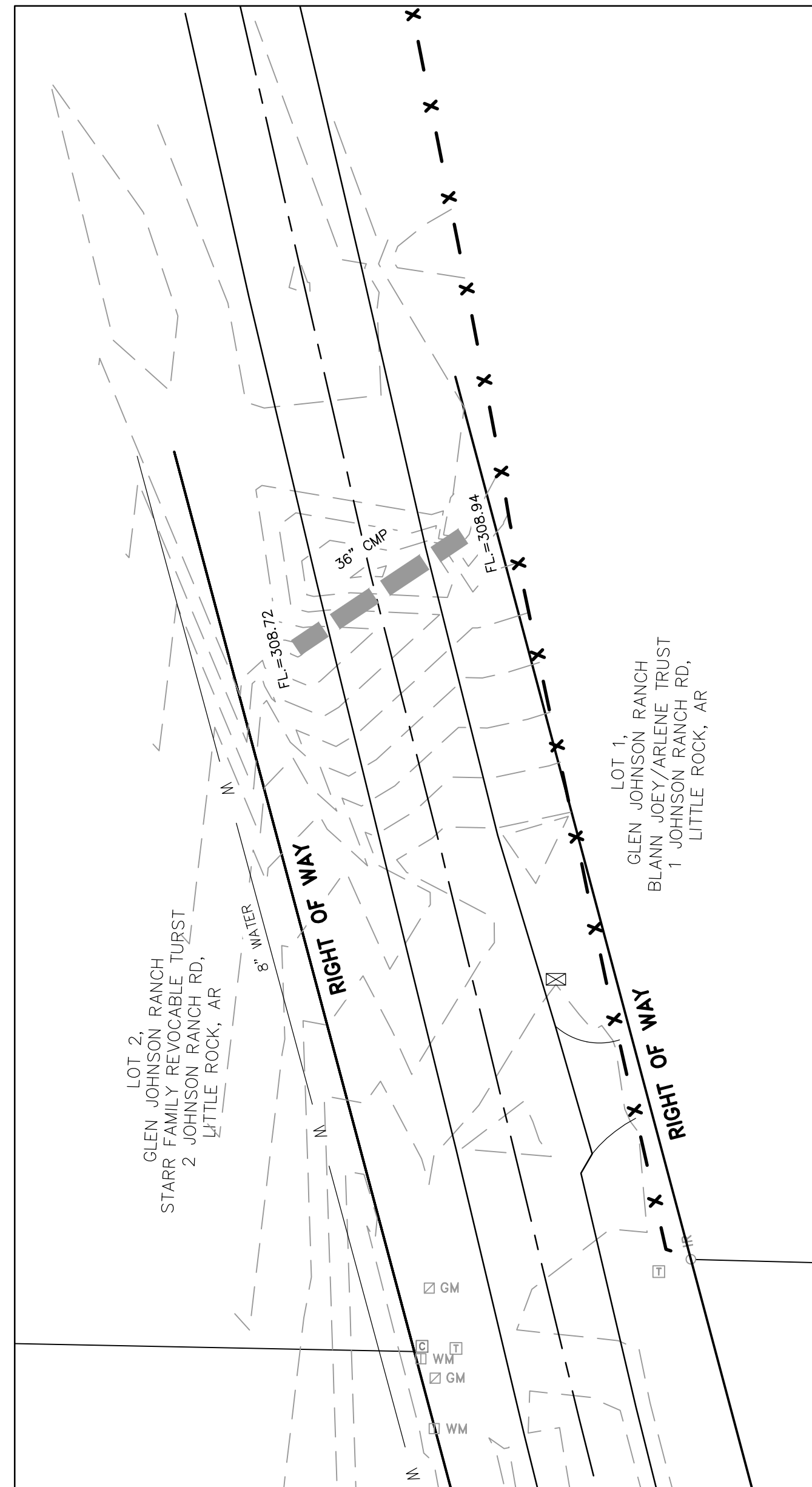
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



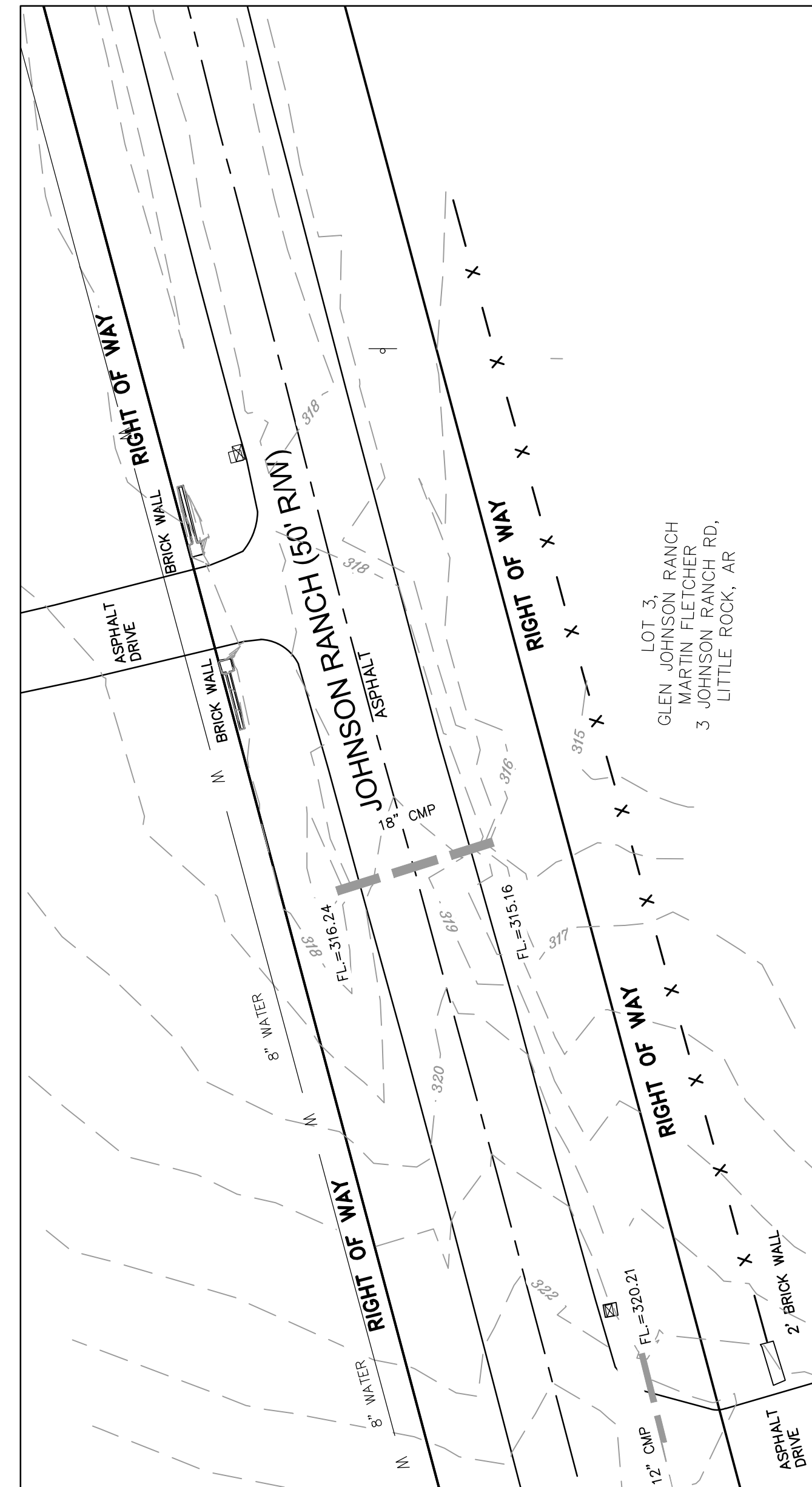
DRAWN BY
 MC
DESIGNED
 MC
CHECKED
 MC
DATE
 6/14/24
SCALE
 1" = 20'
PROJECT NO.
 CLR #05-22-DR-004B
SHEET NO.
 C-3



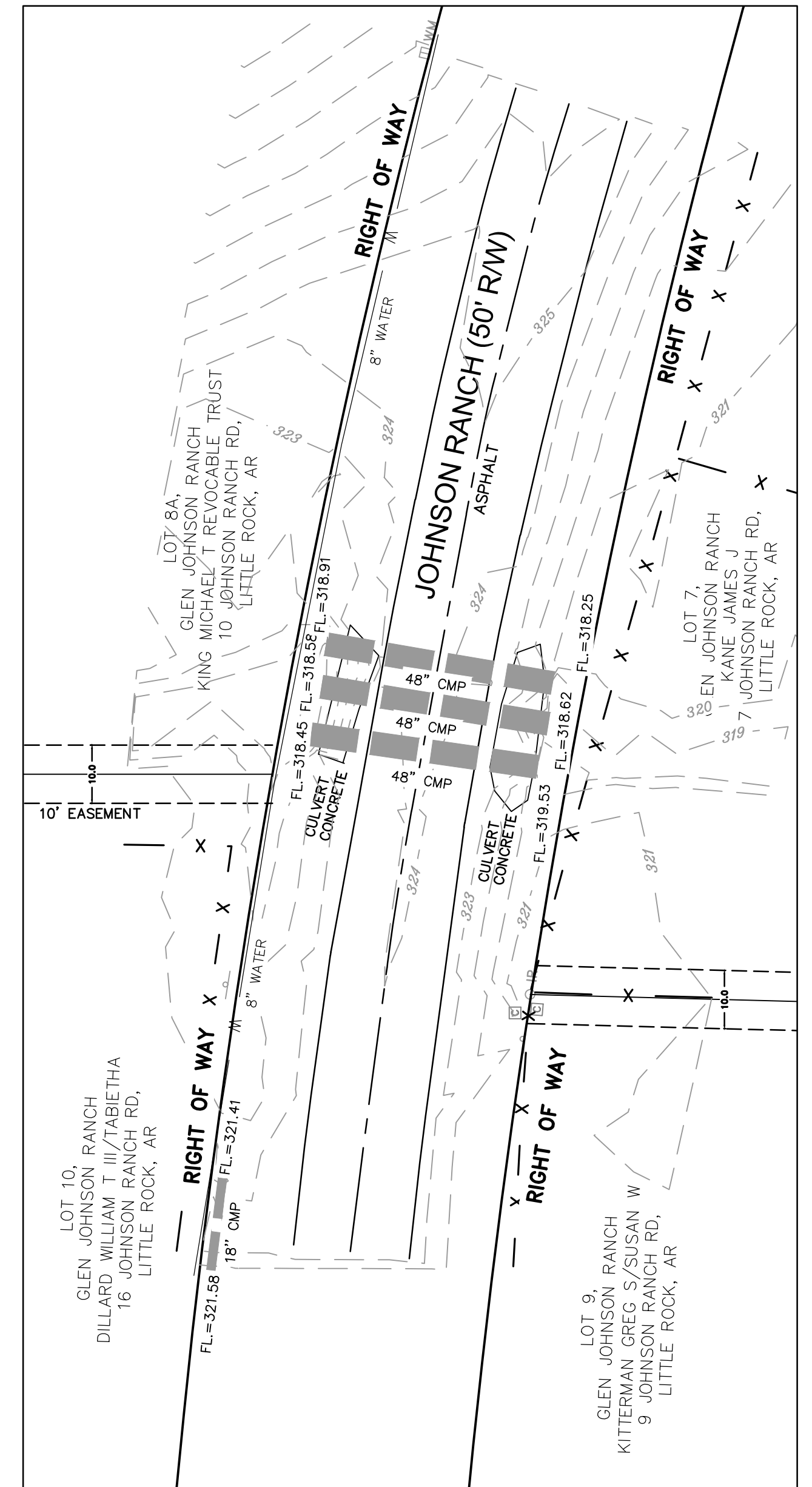
JOHNSON RANCH AT HOFFMAN LANE



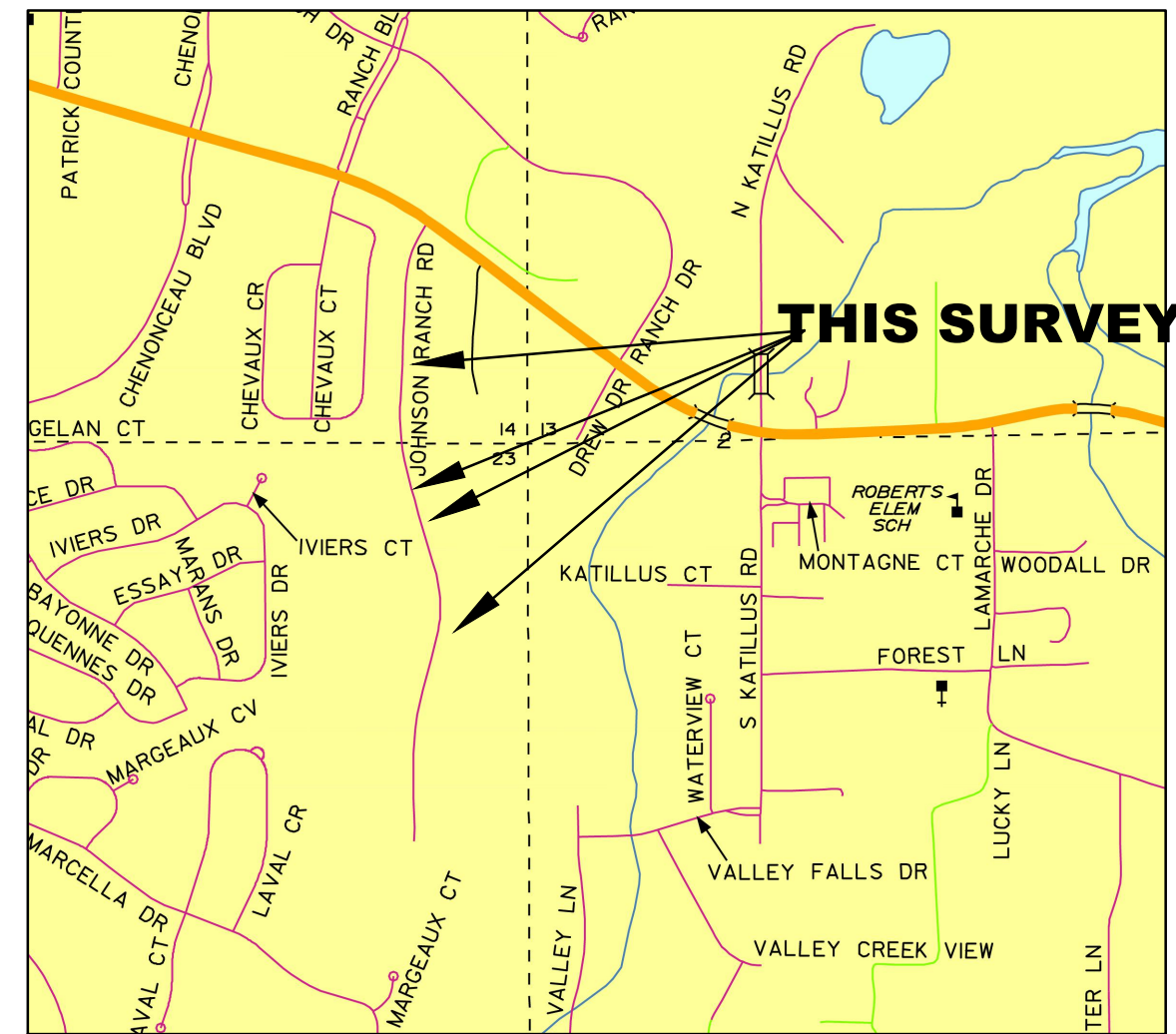
1 JOHNSON RANCH DRIVE



3 JOHNSON RANCH DRIVE



7 JOHNSON RANCH DRIVE



VICINITY MAP

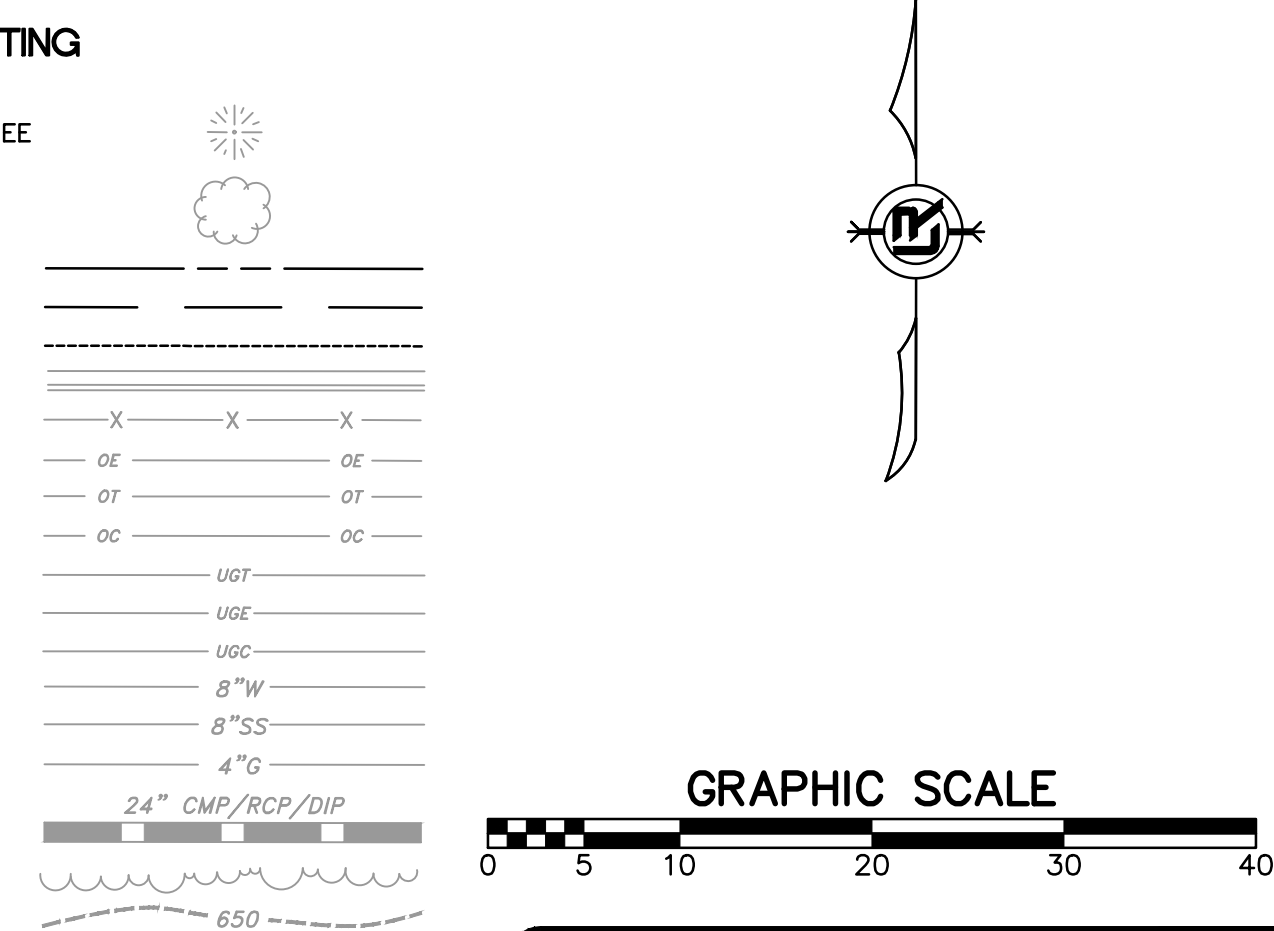
SURVEYOR'S NOTES

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 050181 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.

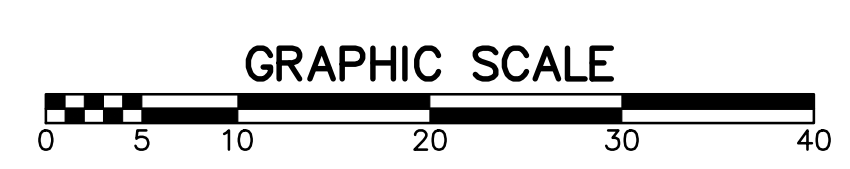
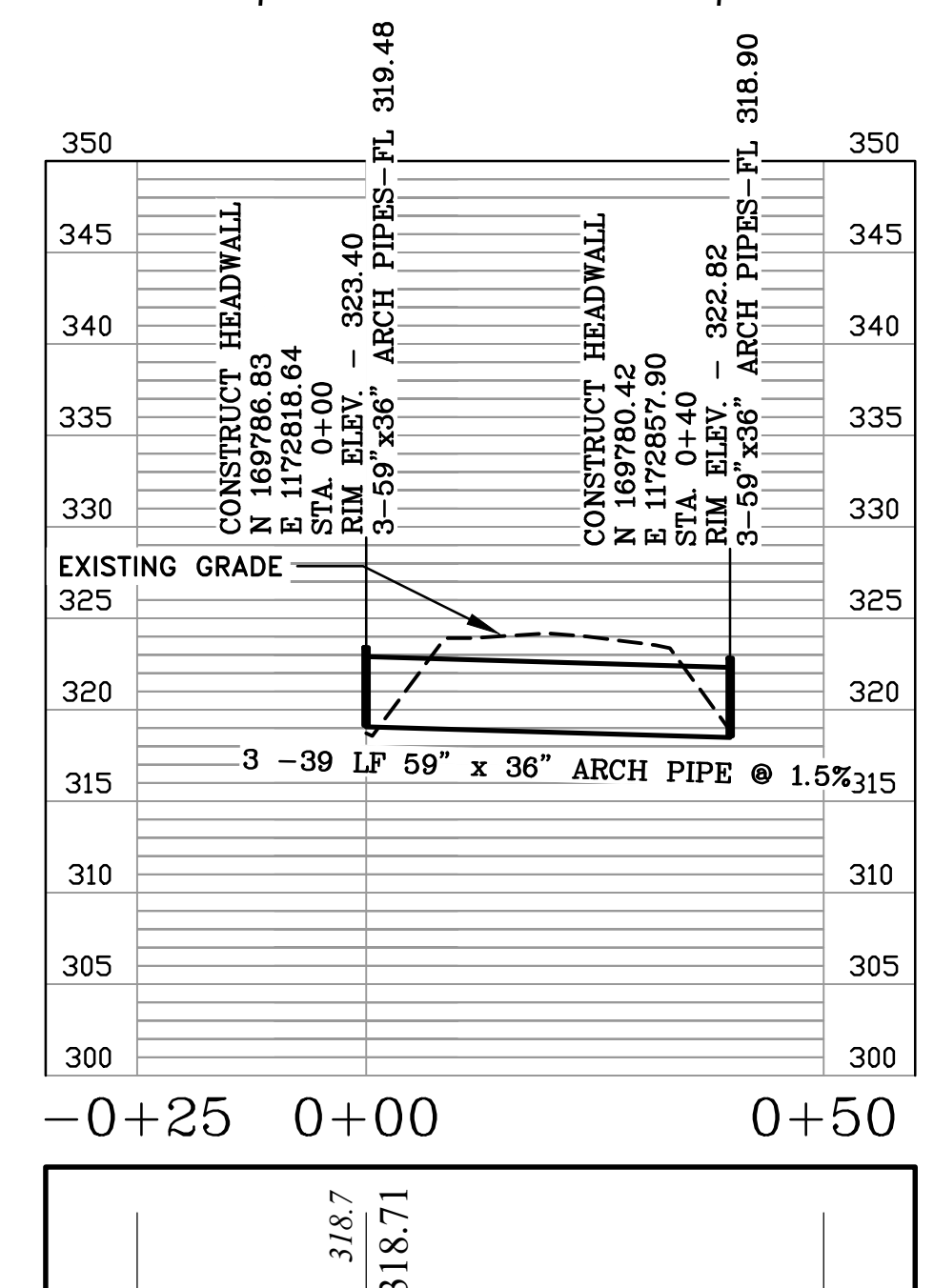
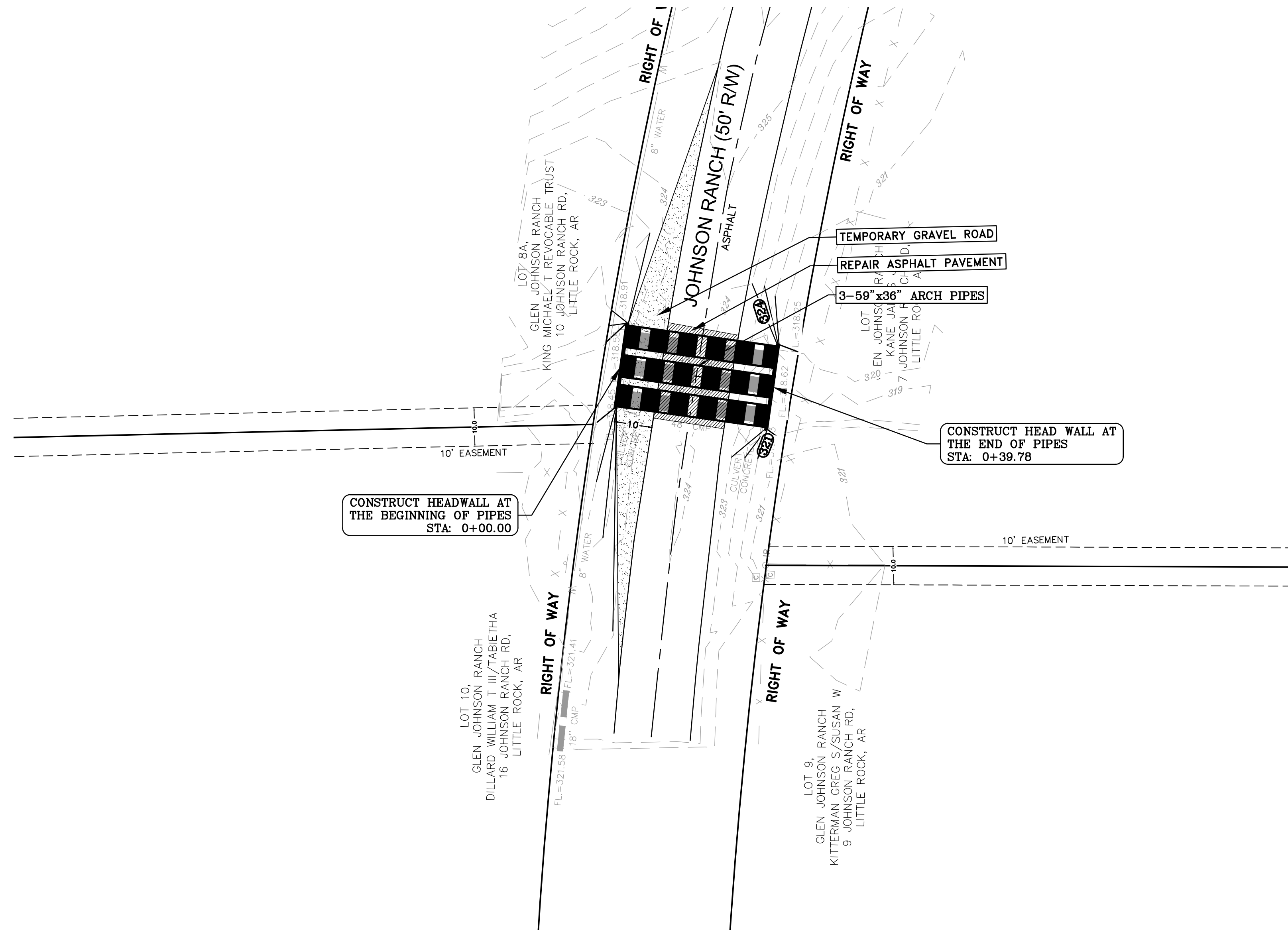
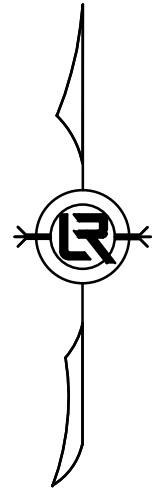
CERTIFICATE

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	EXISTING
IRON ROD	EVERGREEN/CONIFEROUS TREE
PK NAIL	BUSH
R.R. SPIKE	PROPERTY LINE
CONC. MONUMENT	SETBACK LINE
WATER VALVE	EASEMENT LINE
WATER METER	CURB
FIRE HYDRANT	FENCE
GAS METER	OVERHEAD ELECTRIC
GAS VALVE	OVERHEAD TELEPHONE
CLEAN-OUT	OVERHEAD CABLE
GUARD POST (BOLLARD)	SIGN POST
BENCHMARK	UNDERGROUND TELEPHONE
STORM SEWER MANHOLE	UNDERGROUND ELECTRIC
SANITARY SEWER MANHOLE	UNDERGROUND CABLE
TELEPHONE MANHOLE	WATER LINE
ELECTRIC MANHOLE	SEWER LINE
TELEPHONE BOX	GAS LINE
ELECTRIC BOX	STORM SEWER/CULVERT
CABLE BOX	EDGE OF WOODS
UTILITY POLE	CONTOUR LINE
GUY WIRE	
LIGHT POLE	
POST OR POLE (TYPE AS NOTED)	
MAILBOX	
DECIDUOUS TREE	



THOMAS ENGINEERING COMPANY
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7 JOHNSON RANCH ROAD (05-22-DR-003)

100% SUBMITTAL

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

REVISIONS	DATE

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

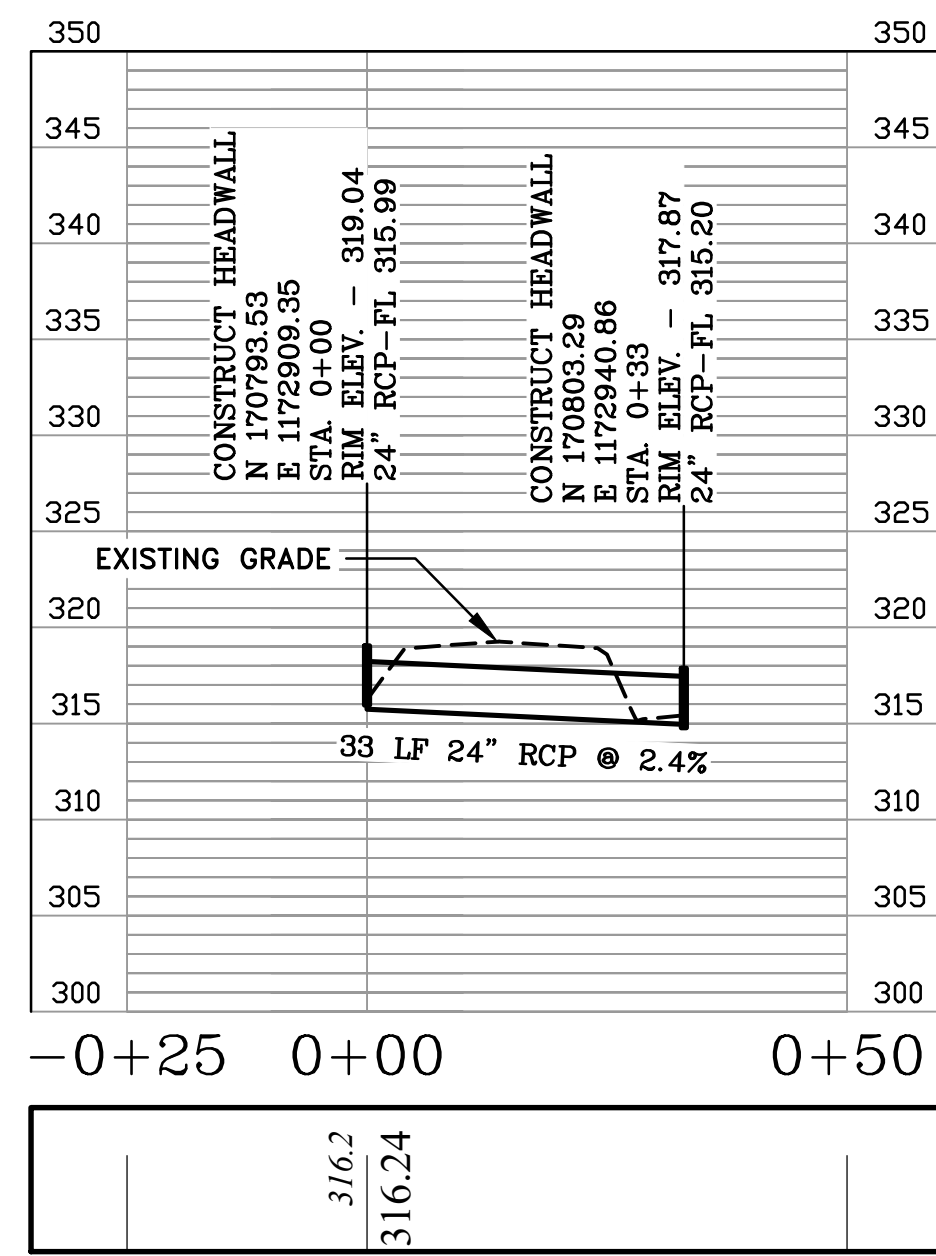
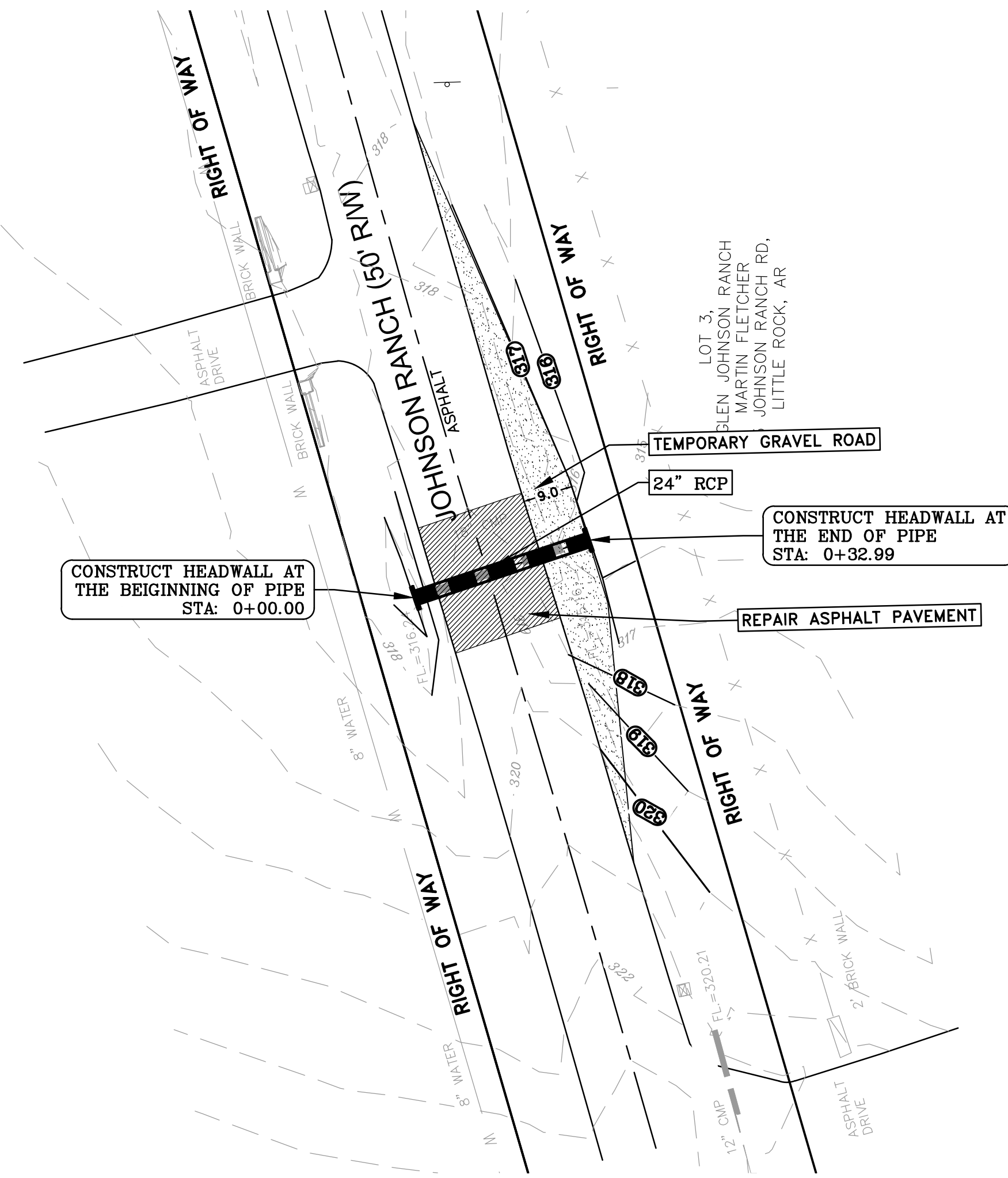
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 22576

DRAWN BY MNH
DESIGNED MNH
CHECKED TRP
DATE 6/14/24
SCALE 1"=20'
PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-4

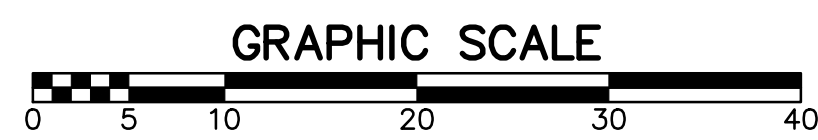


LOT 4,
GLEN JOHNSON RANCH
PARDO PROPERTIES, LLC
4 JOHNSON RANCH RD,
LITTLE ROCK, AR



STORM B

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



100% SUBMITTAL

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

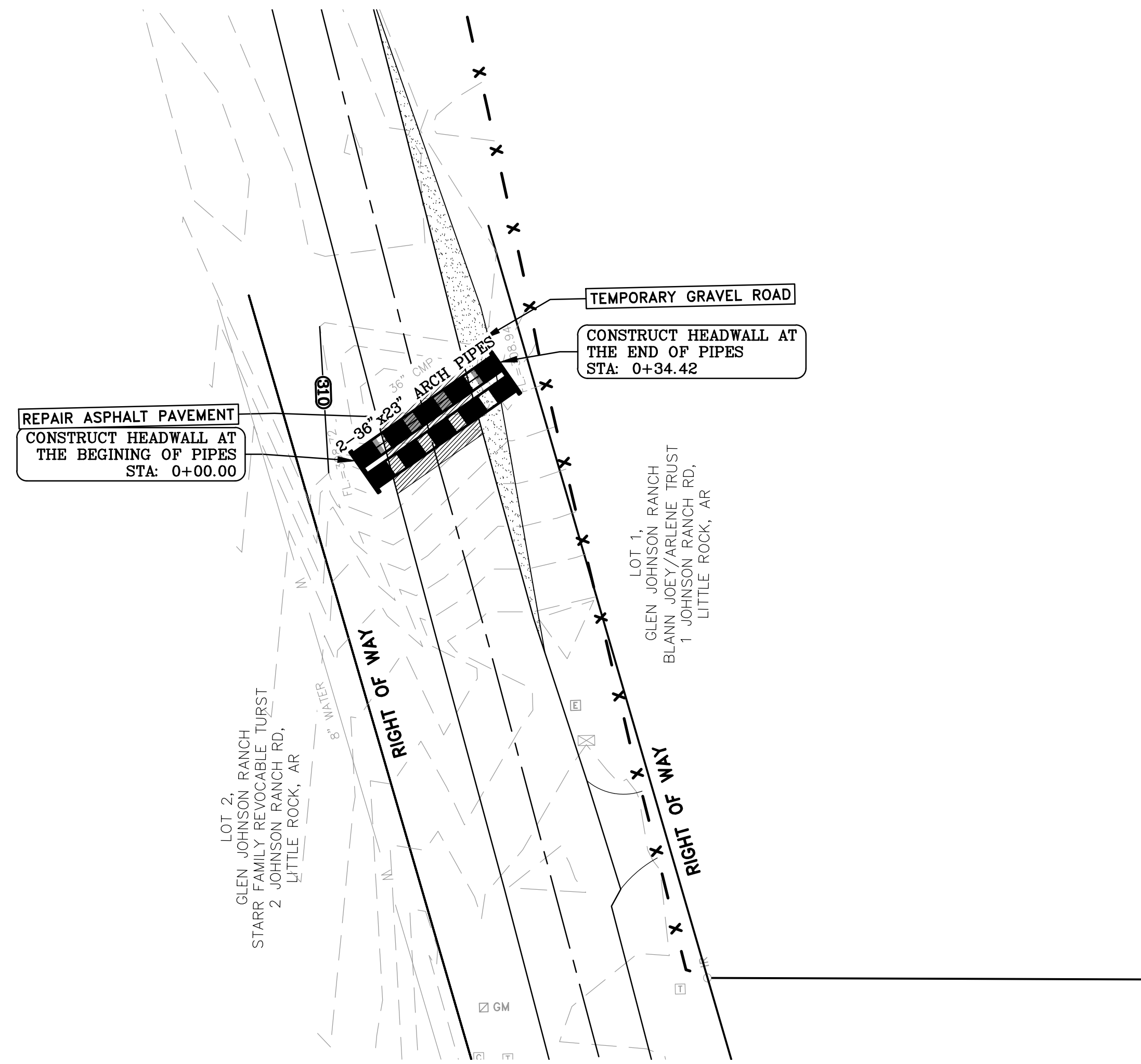
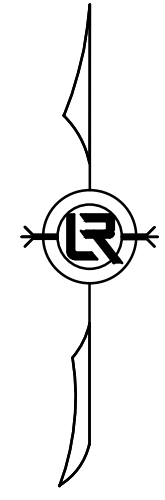
REVISIONS	DATE

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

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

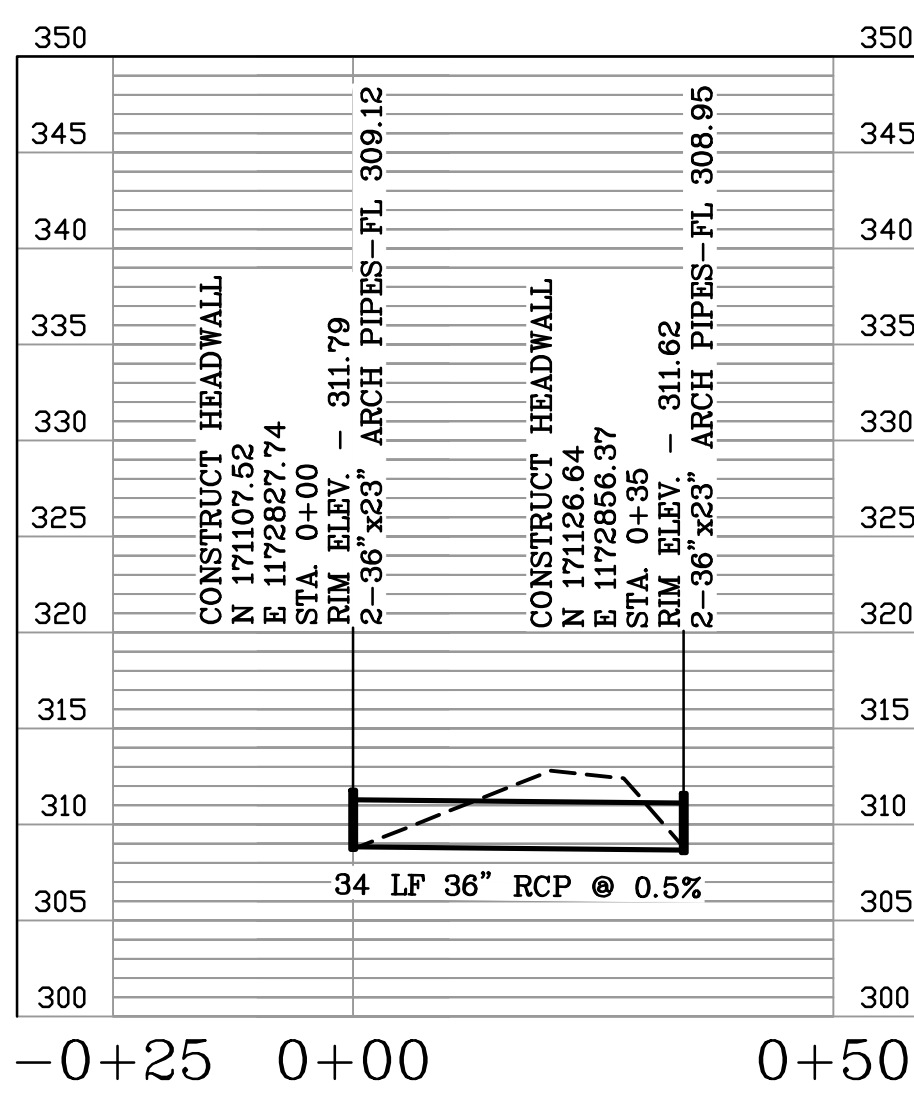
STATE OF ARKANSAS
LICENSED PROFESSIONAL ENGINEER
No. 22576
NAZMUL HASSAN

DRAWN BY MNH
DESIGNED MNH
CHECKED TRP
DATE 6/14/24
SCALE 1"=20'
PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-5

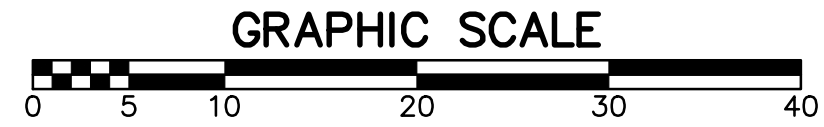


LOT 2,
GLEN JOHNSON RANCH
STARR FAMILY REVOCABLE TRUST
2 JOHNSON RANCH RD,
LITTLE ROCK, AR

LOT 1,
GLEN JOHNSON RANCH
BLANN JOEY/ARLENE TRUST
1 JOHNSON RANCH RD,
LITTLE ROCK, AR



1 JOHNSON RANCH ROAD



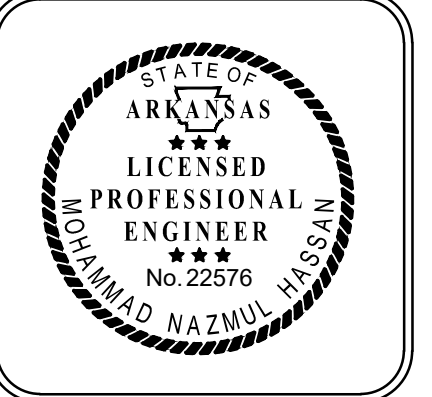
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ENGINEERING
COMPANY
3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116
TEL: 501-753-4463 FAX: 501-753-6814

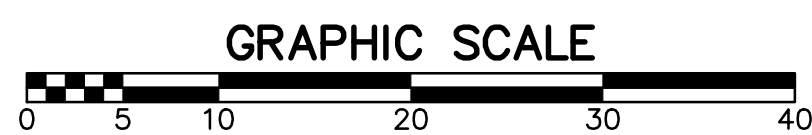
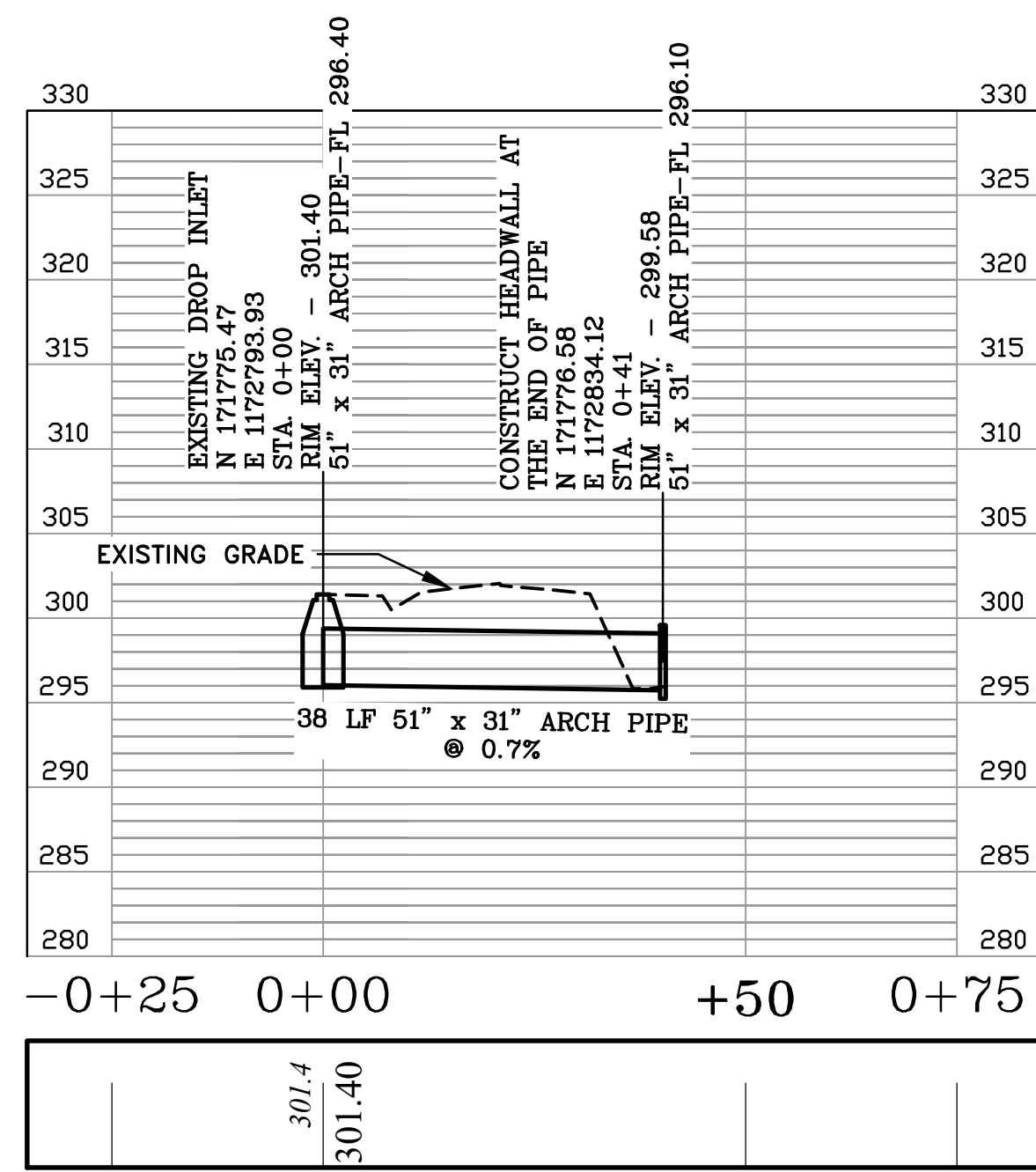
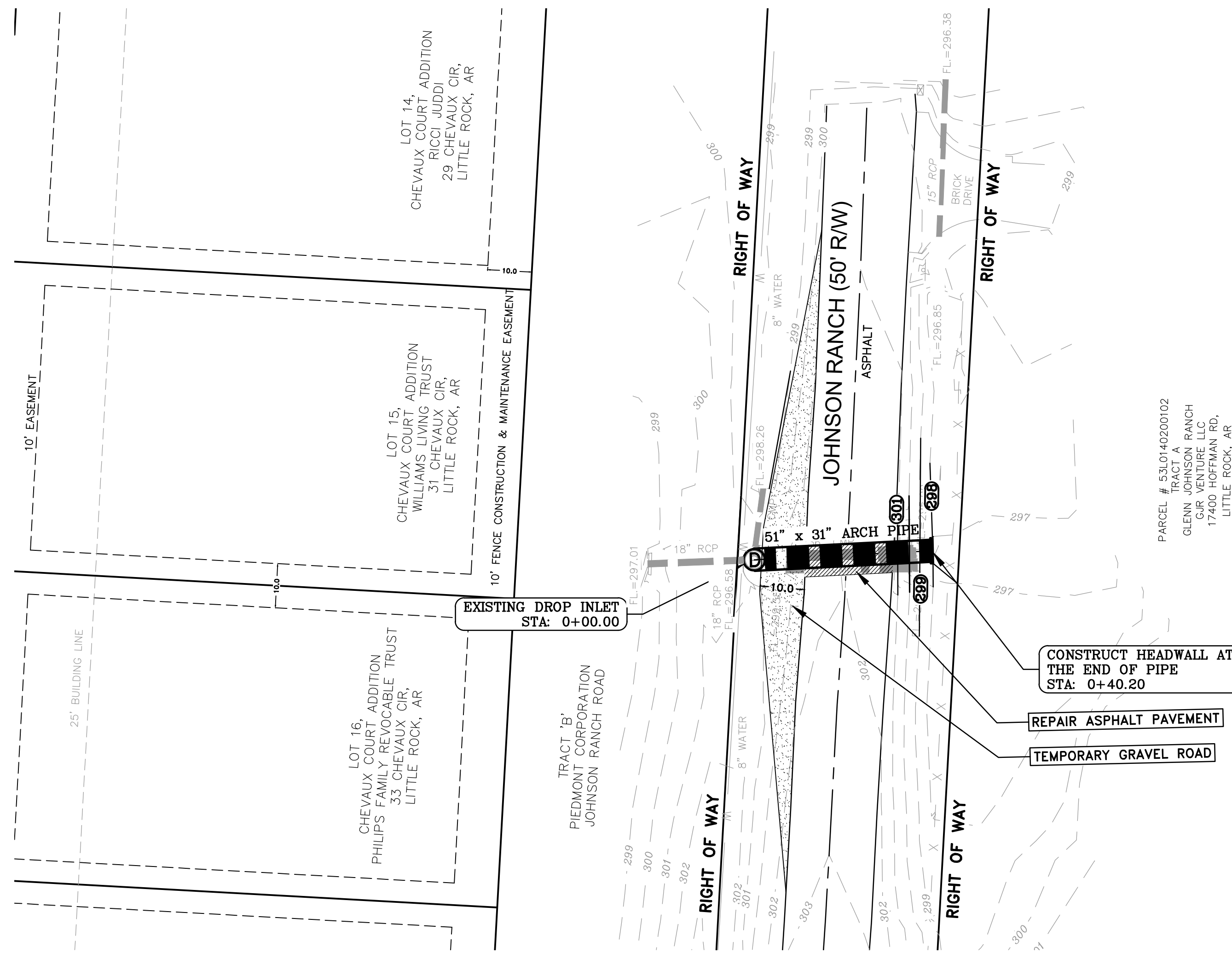
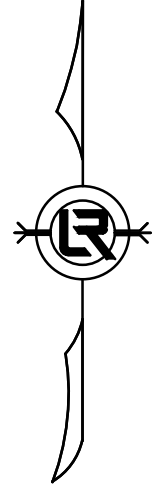
REVISIONS	DATE

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

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



DRAWN BY MNH
DESIGNED MNH
CHECKED TRP
DATE 6/14/24
SCALE 1"=20'
PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-6



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

100% SUBMITTAL

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

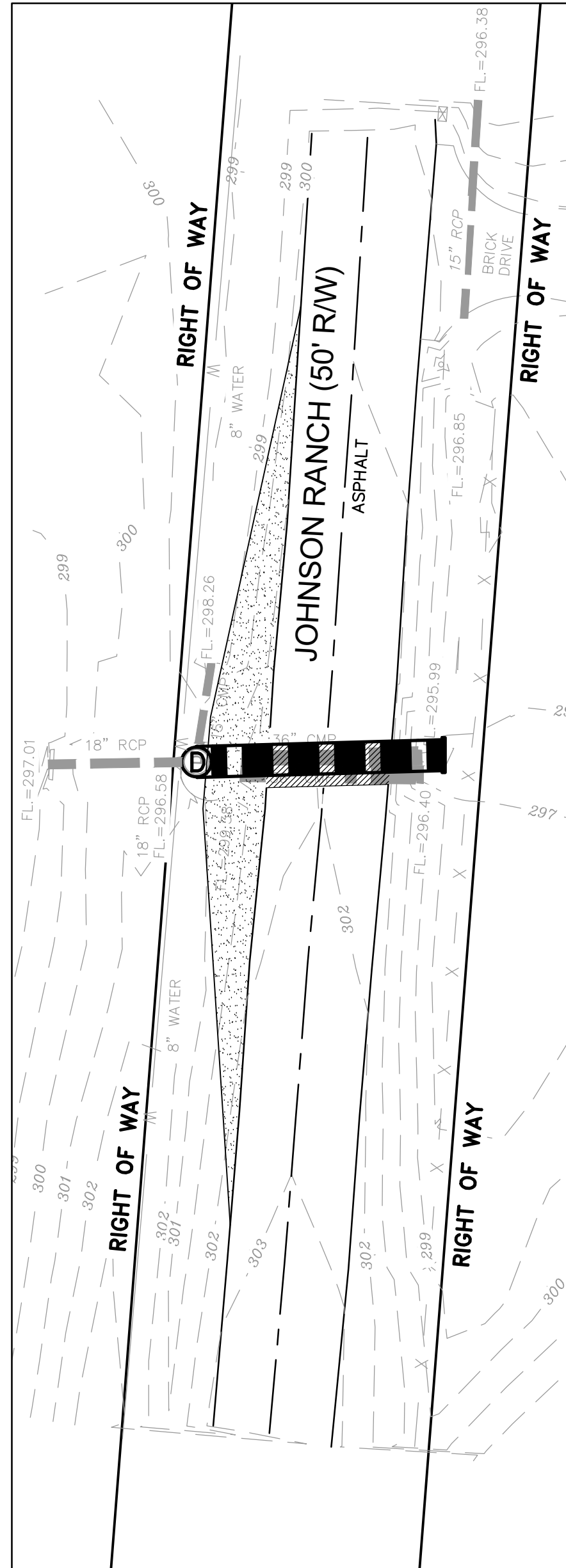
REVISIONS	DATE

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

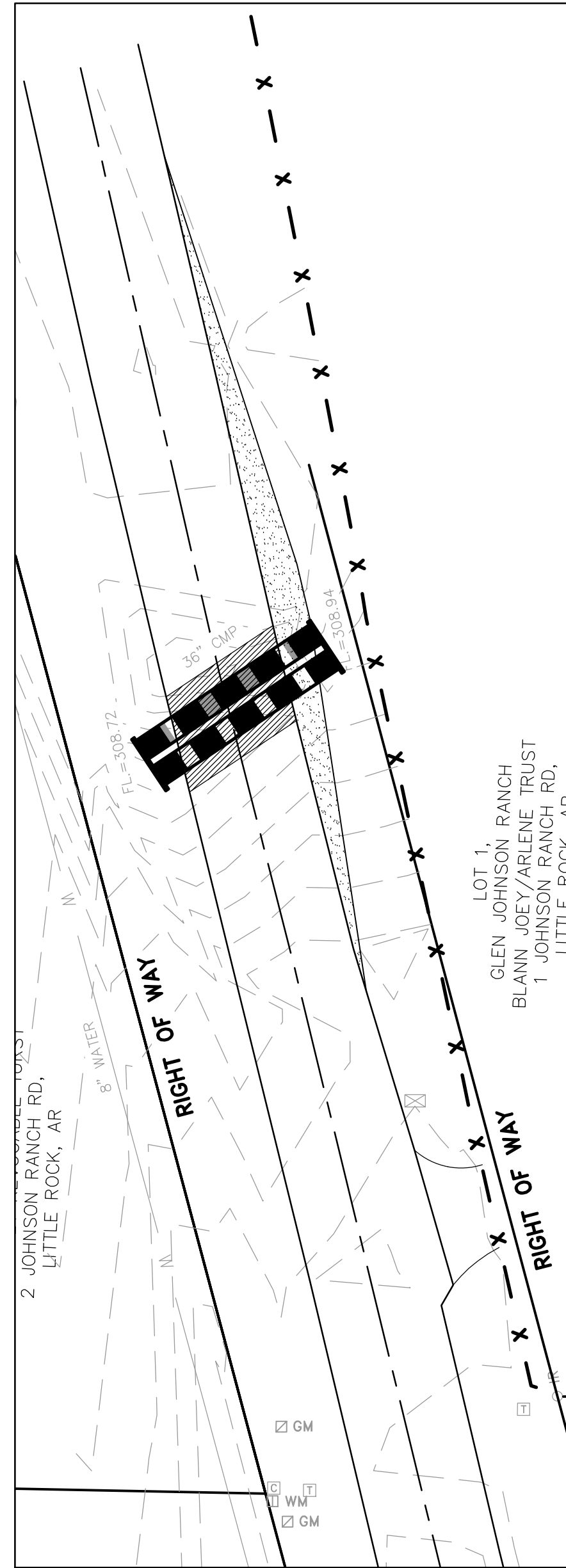
DEPARTMENT OF PUBLIC WORKS
 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



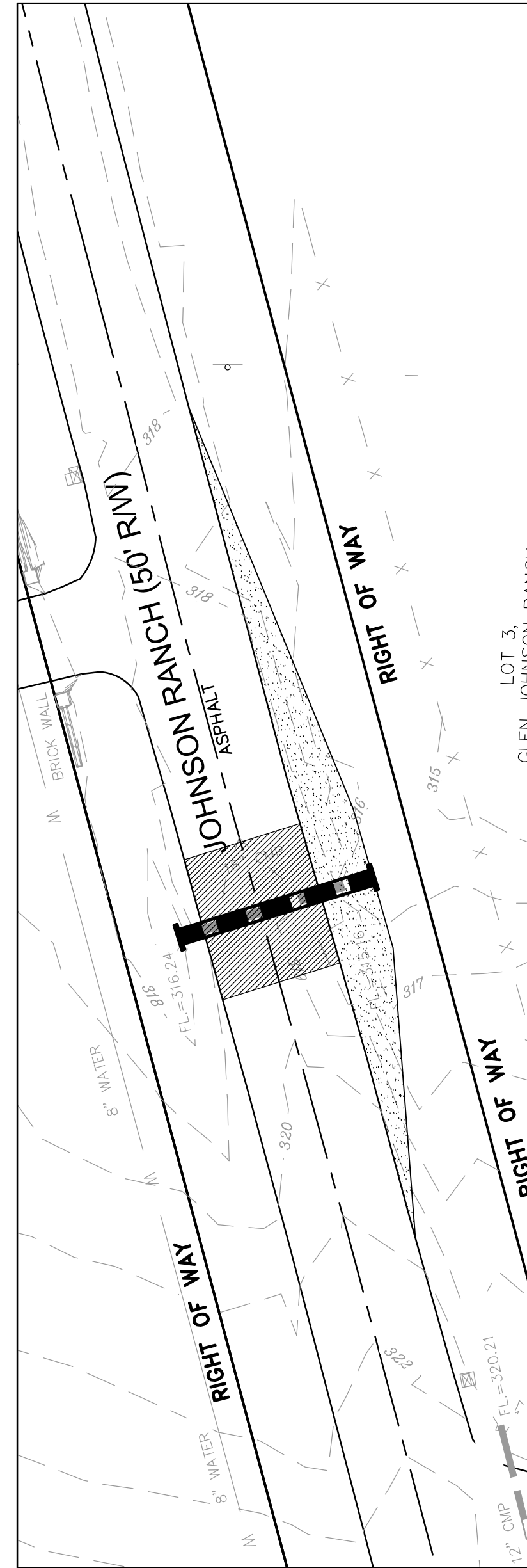
DRAWN BY
 MNH
 DESIGNED
 MNH
 CHECKED
 TRP
 DATE
 6/14/24
 SCALE
 1"=20'
 PROJECT NO.
 CLR #05-22-DR-004B
 SHEET NO.
C-7



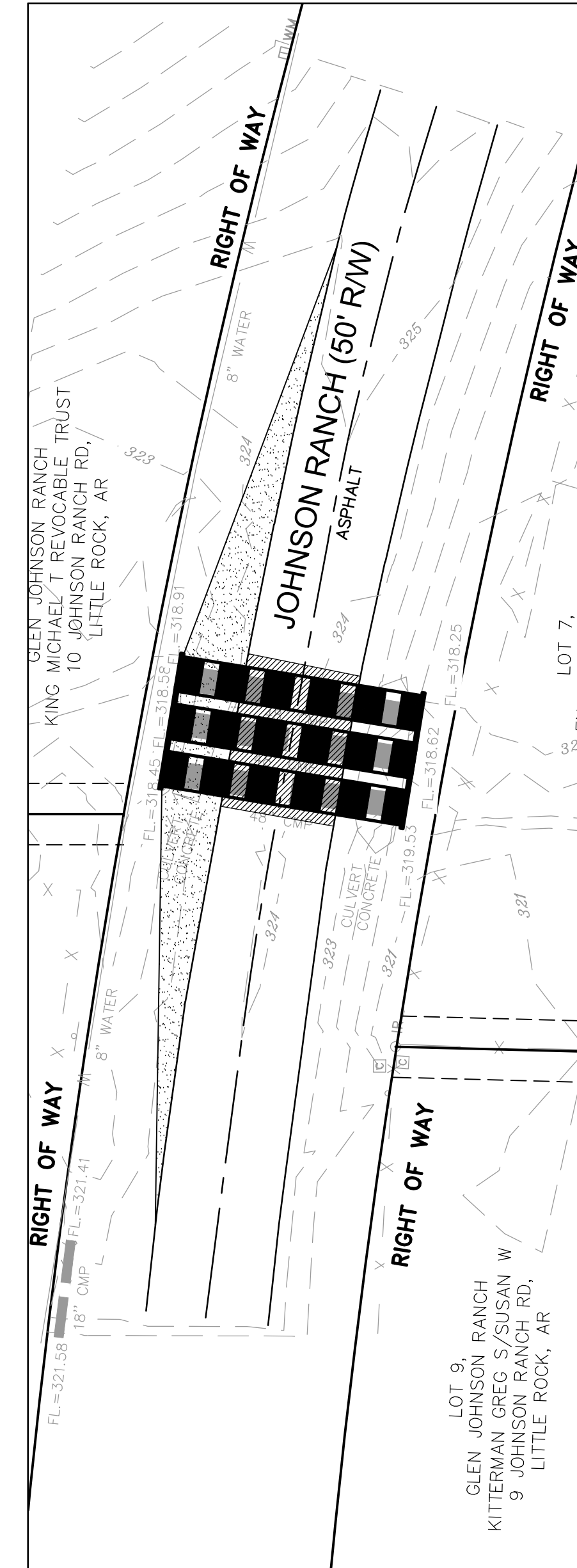
JOHNSON RANCH AT HOFFMAN LANE



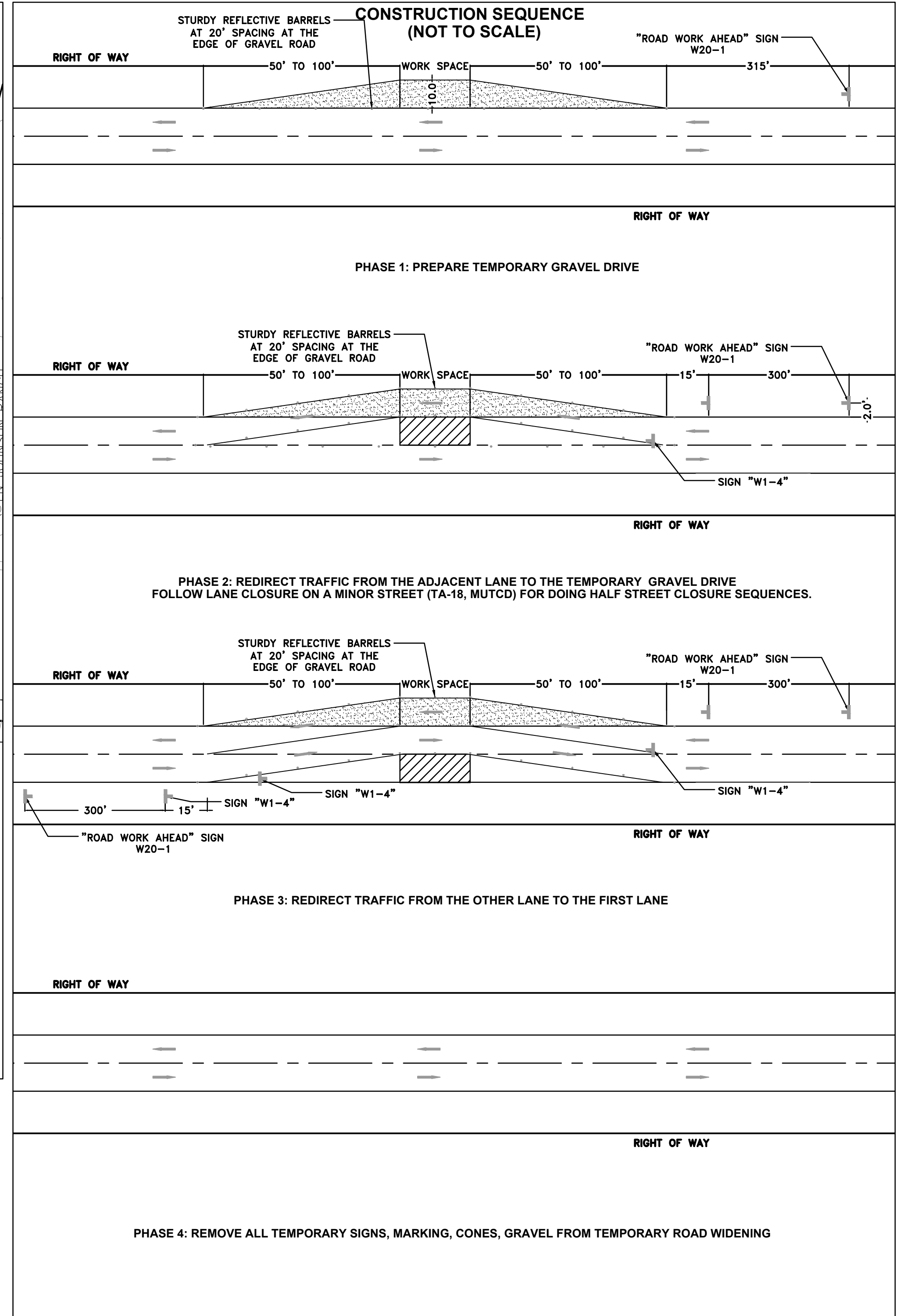
1 JOHNSON RANCH DRIVE



3 JOHNSON RANCH DRIVE



7 JOHNSON RANCH DRIVE



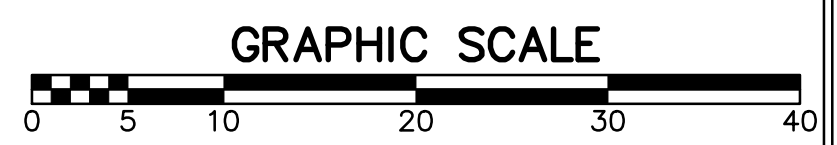
CONSTRUCTION SEQUENCE

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.

LEGENDS

- SIGN POST
- GRAVEL ROAD WIDENING
- WORK ZONE
- WORK ZONE

100% SUBMITTAL



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

REVISIONS	DATE

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

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



DRAWN BY
 MNH
 DESIGNED
 MNH
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 TRP
 DATE
 6/14/24
 SCALE
 1" = 20'
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 CLR #05-22-DR-004B
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C-8