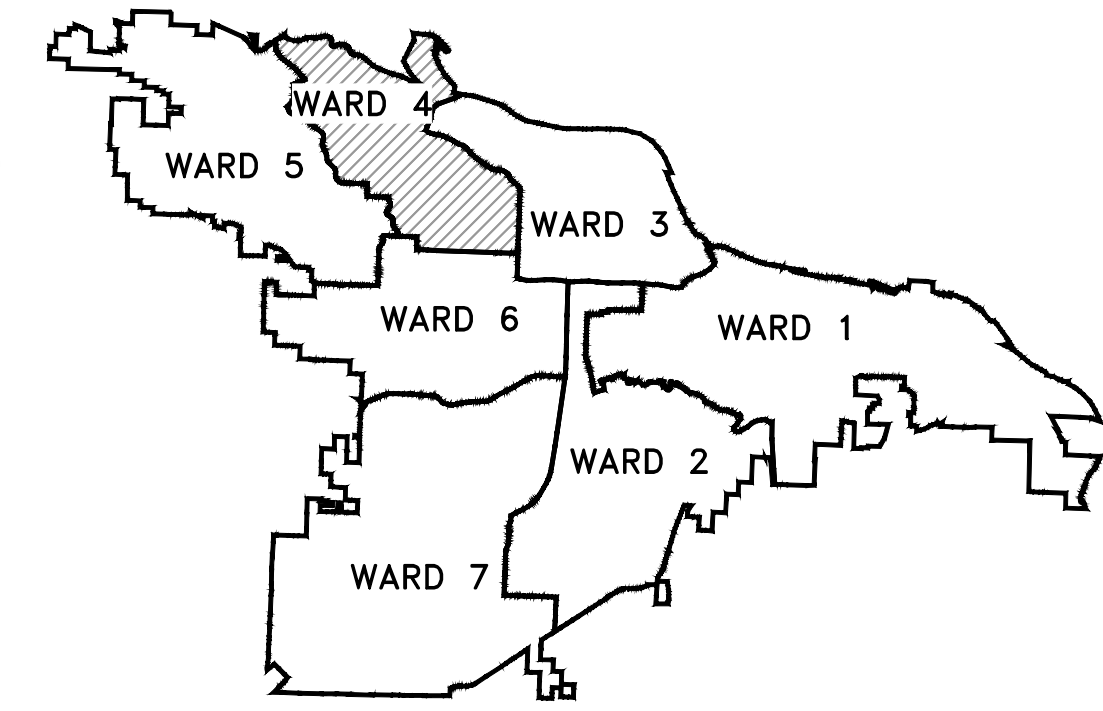


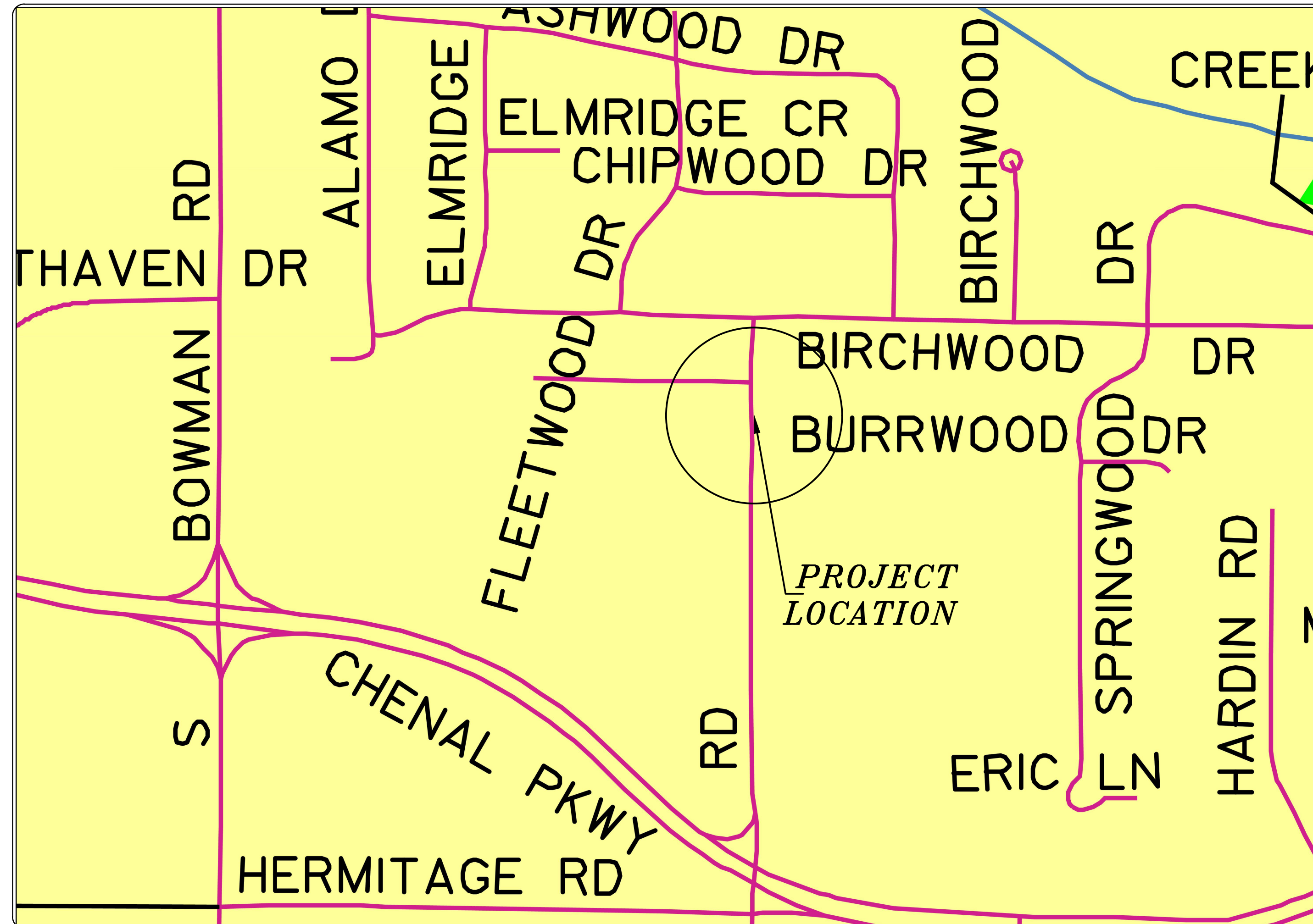
CLR PROJECT #04-22-ST-2DR

AUTUMN ROAD WIDENING

LITTLE ROCK, AR

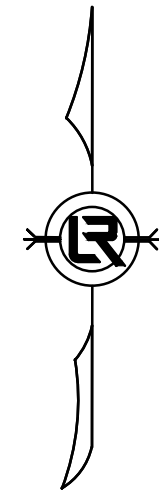


PROJECT LOCATION - WARD 4



SHEET INDEX

TITLE SHEET	C-1
LEGENDS & QUANTITIES	C-2
TOPOGRAPHIC SURVEY	C-3
AUTUMN ROAD WIDENING	C-4
DRAINAGE IMPROVEMENT	C-5
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 LITTLE ROCK, ARKANSAS 72201

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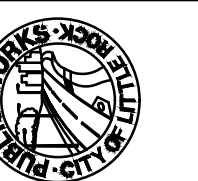
THOMAS
ENGINEERING
COMPANY

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

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
 AUTUMN ROAD WIDENING
 04-22-ST-2DR

TITLE PAGE



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CLR #04-22-ST-2DR

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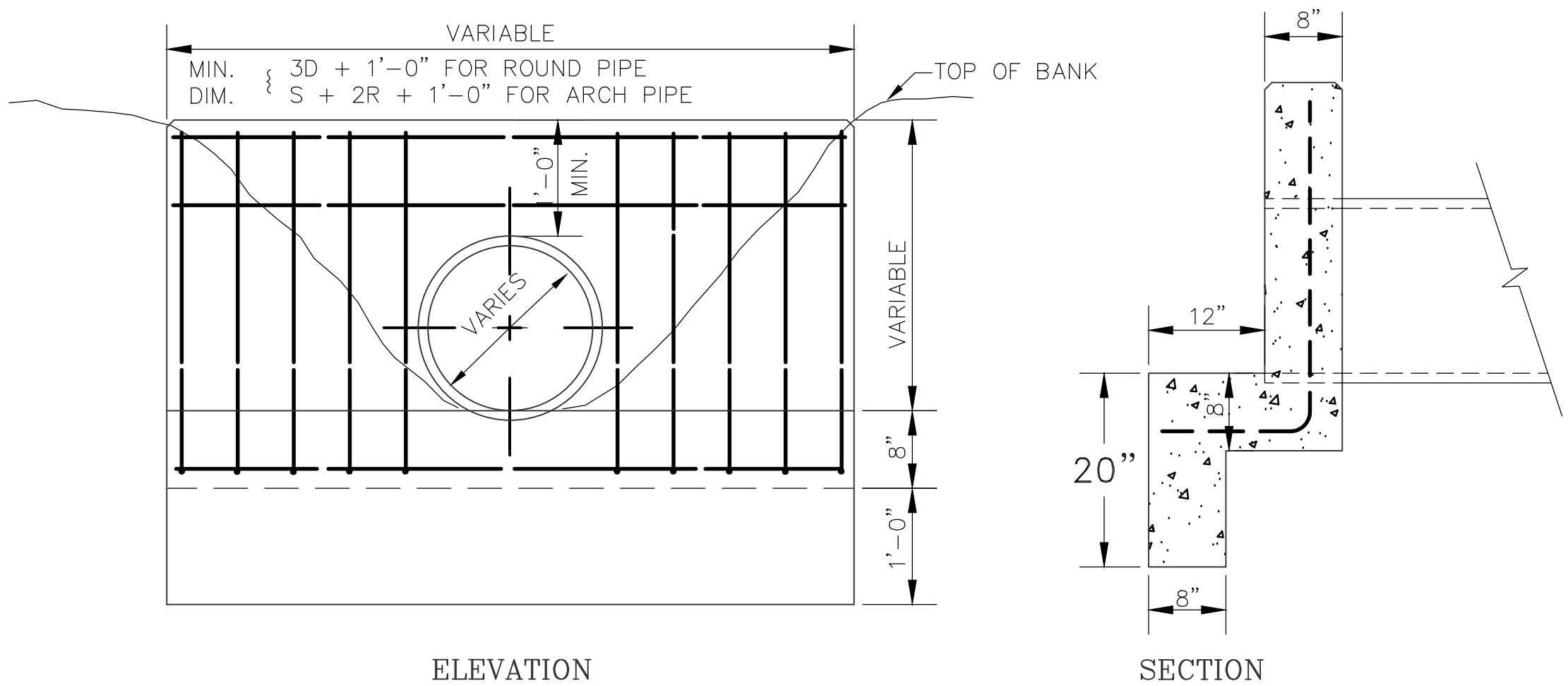
C-1

REVISIONS	DATE

ESTIMATED QUANTITIES					
CLR PROJECT # 04-22-ST-2DR					
AUTUMN ROAD WIDENING - WARD 4					
22-Feb-24					
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL ITEM COST
002.01	Site Preparation	LS	1	\$5,000.00	\$5,000.00
003.20	Ditch Excavation	CY	35	\$30.00	\$1,050.00
004.01	Aggregate Base Course (Class 7)	TON	400	\$50.00	\$20,000.00
006.01	Asphalt Surface Course	TON	195	\$60.00	\$11,700.00
007.16	Concrete Driveway & Apron(6" Thick), Standard Finish	SF	1100		\$0.00
008.01	Concrete Curb & Gutter (Class 3)	LF	550	\$25.00	\$13,750.00
009.10	Concrete Sidewalk (4" Thick)	SF	2900	\$7.50	\$21,750.00
010.30	Curb Inlet Special	EA	1	\$5,500.00	\$5,500.00
016.01	Maintenance of Traffic	LS	1	\$10,000.00	\$10,000.00
018.50	Access Ramp	SF	143	\$7.50	\$1,072.50
018.60	Miscellaneous Construction	EA	1	\$10,000.00	\$10,000.00
022.10	Mailbox Relocation	EA	1	\$500.00	\$500.00
024.05	Silt Fence (E-11)	LF	500	\$5.00	\$2,500.00
024.15	Drop Inlet Protection Silt Fence (E-7)	LF	40	\$5.00	\$200.00
028.00	Guardrail	LF	50	\$500.00	\$25,000.00
011.02	Reinforced Concrete Headwall	CY	10	\$200.00	\$2,000.00
X	Storm Drain Pipe 54"x88" CROSS DRAIN	LF	53	\$1,200.00	\$63,600.00
013.18Sb	Storm Drain Pipe 18" SIDE DRAIN	LF	22	\$75.00	\$1,650.00
013.24S	Storm Drain Pipe 24" Storm Drain Pipe - Side Drain	LF	30	\$100.00	\$3,000.00
024.25	Rock Ditch Check (E-5)	CY	100	\$170.00	\$17,000.00
SUB-TOTAL					\$215,272.50
10% CONTINGENCY					\$21,527.25
GRAND - TOTAL					\$236,799.75

EXISTING	PROPOSED
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 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	---



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

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 AUTUMN ROAD WIDENING
 04-22-ST-2DR
 LEGENDS AND QUANTITIES

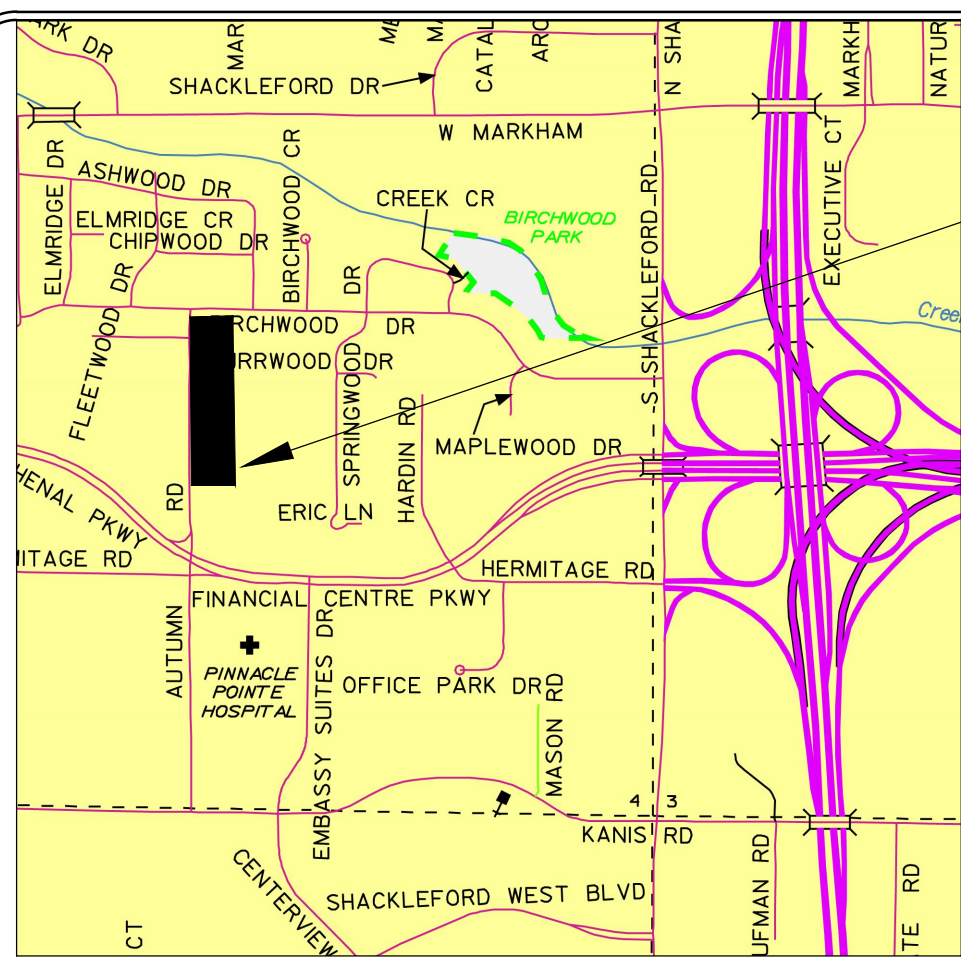
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 LITTLE ROCK, ARKANSAS 72201

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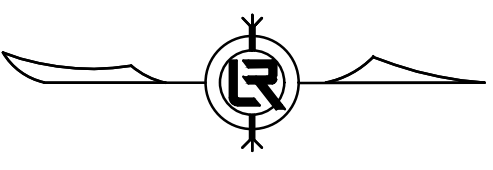
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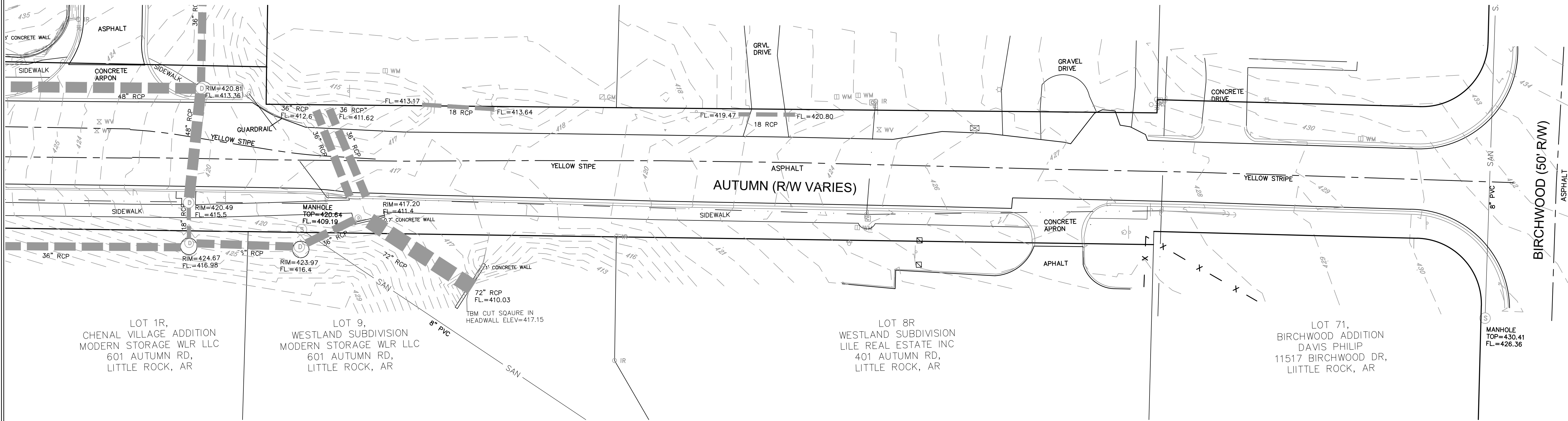
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 TEL: 501-753-4463 FAX: 501-753-6814



THIS SITE



VICINITY MAP



EXISTING

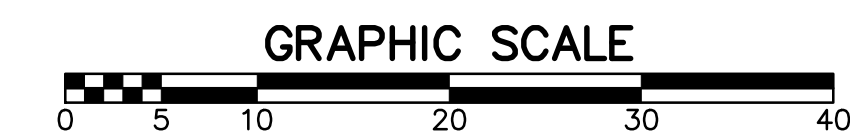
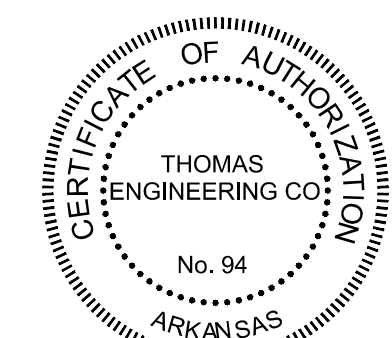
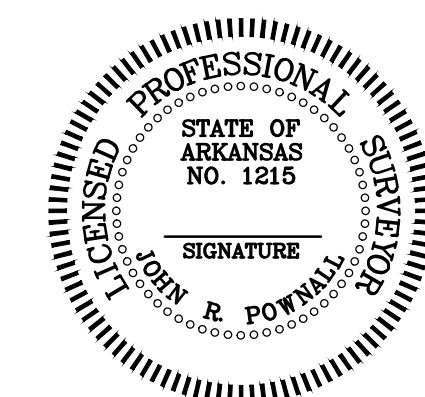
IRON ROD	○ IR
WATER VALVE	⊗ WV
WATER METER	□ WM
FIRE HYDRANT	⊕ FH
GAS METER	⊗ GM
SIGN POST	⊕
BENCHMARK	⊕
STORM SEWER MANHOLE	⊕
SANITARY SEWER MANHOLE	⊕
UTILITY POLE	⊕
GUY WIRE	⊕
LIGHT POLE	⊕
MAILBOX	⊕
CABLE BOX	⊕
UNDERGROUND ELECTRIC	⊕

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.



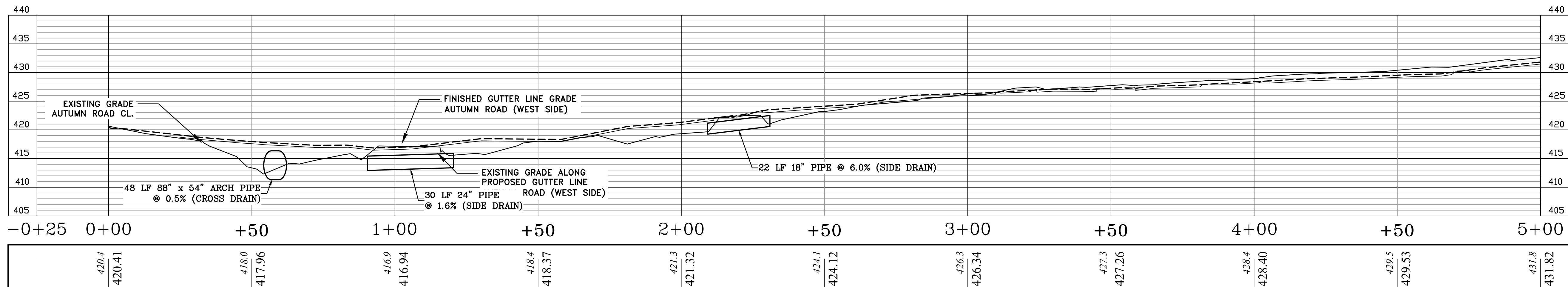
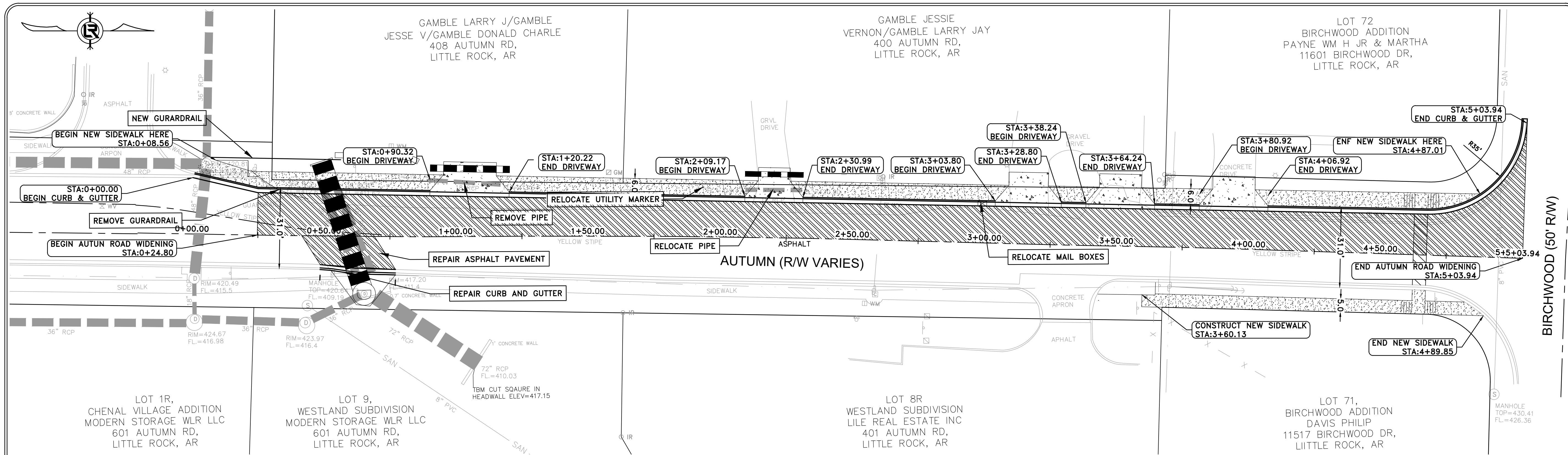
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CITY OF LITTLE ROCK, ARKANSAS
AUTUMN STREET WIDENING
TOPOGRAPHIC SURVEY

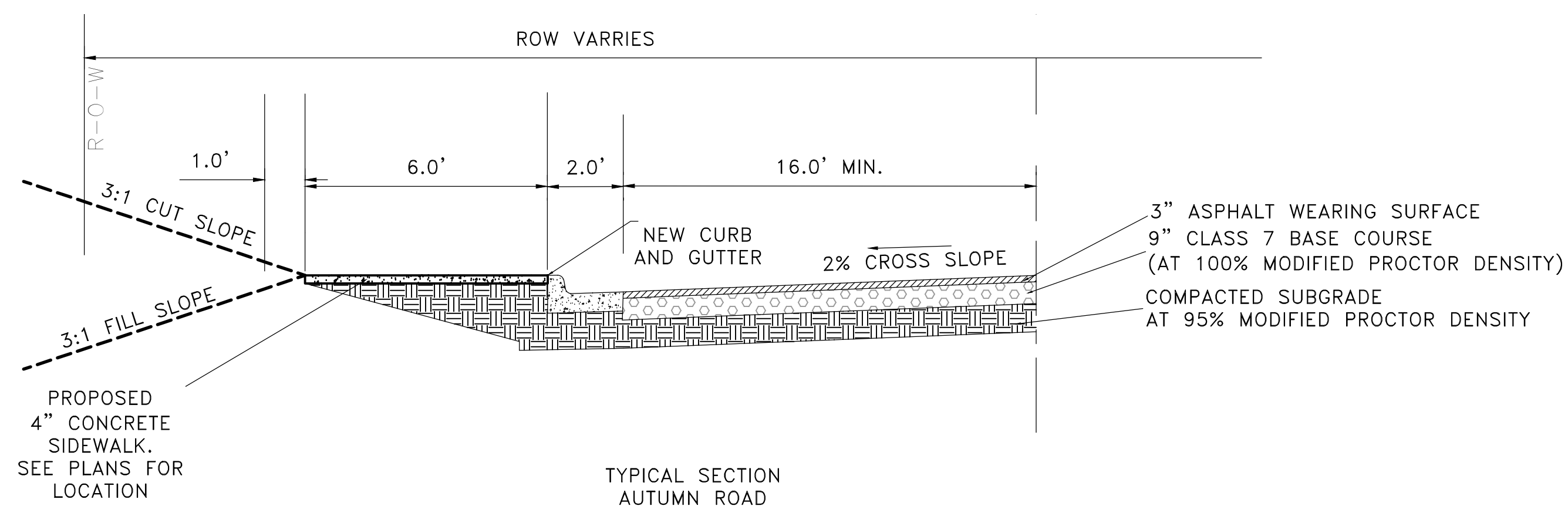
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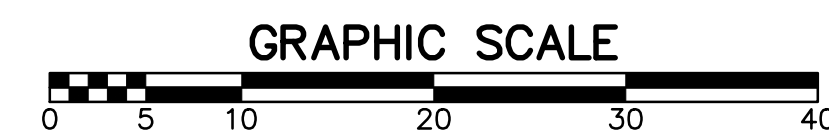
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SHEET NO.
C-3



AUTUMN ROAD - PROFILES AND SIDE DRAINS



AUTUMN ROAD WIDENING- TYPICAL SECTION



60% SUBMITTAL

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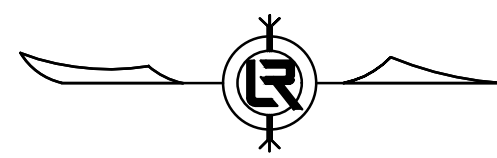
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AUTUMN ROAD WIDENING
04-22-ST-2DR

SITE PLAN AND PROFILE

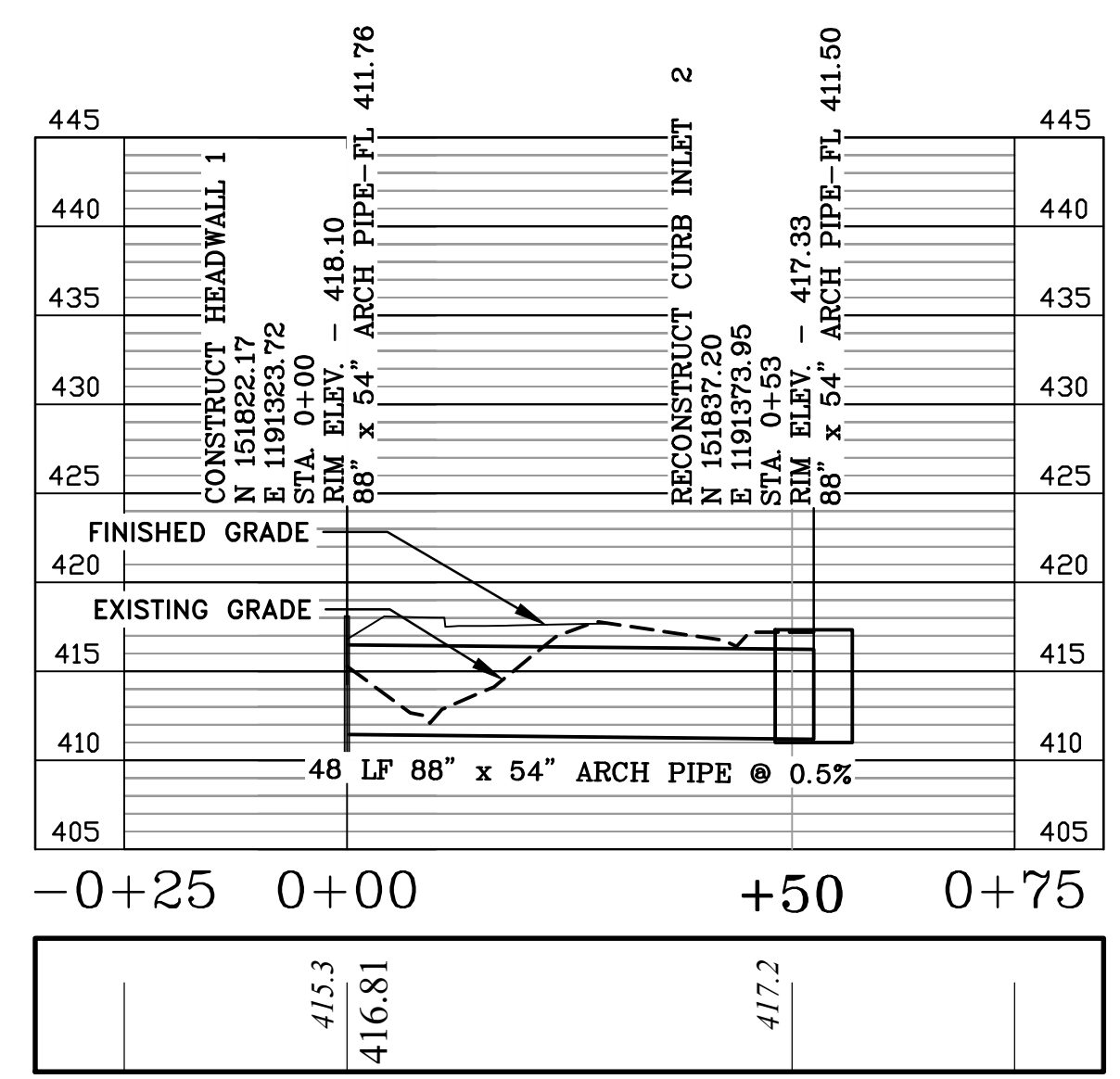
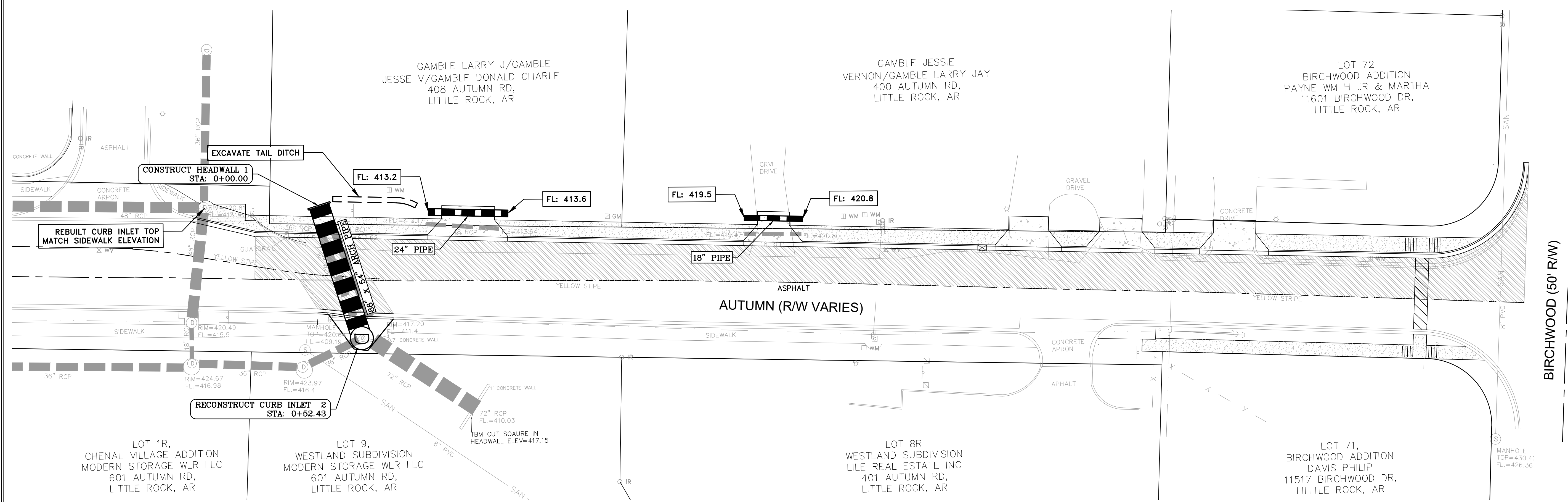
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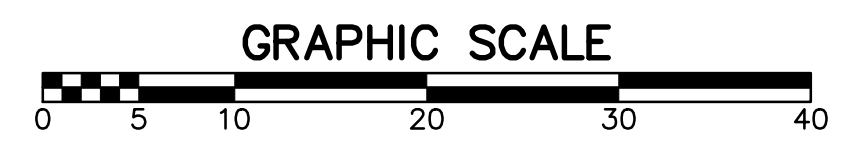
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SHEET NO.
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AUTUMN ROAD - CROSS DRAIN



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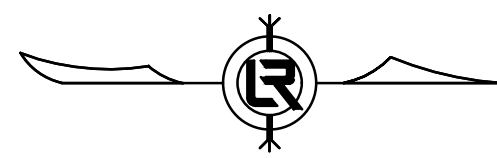
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CITY OF LITTLE ROCK, ARKANSAS
AUTUMN ROAD WIDENING
04-22-ST-2DR
DRAINAGE IMPROVEMENT

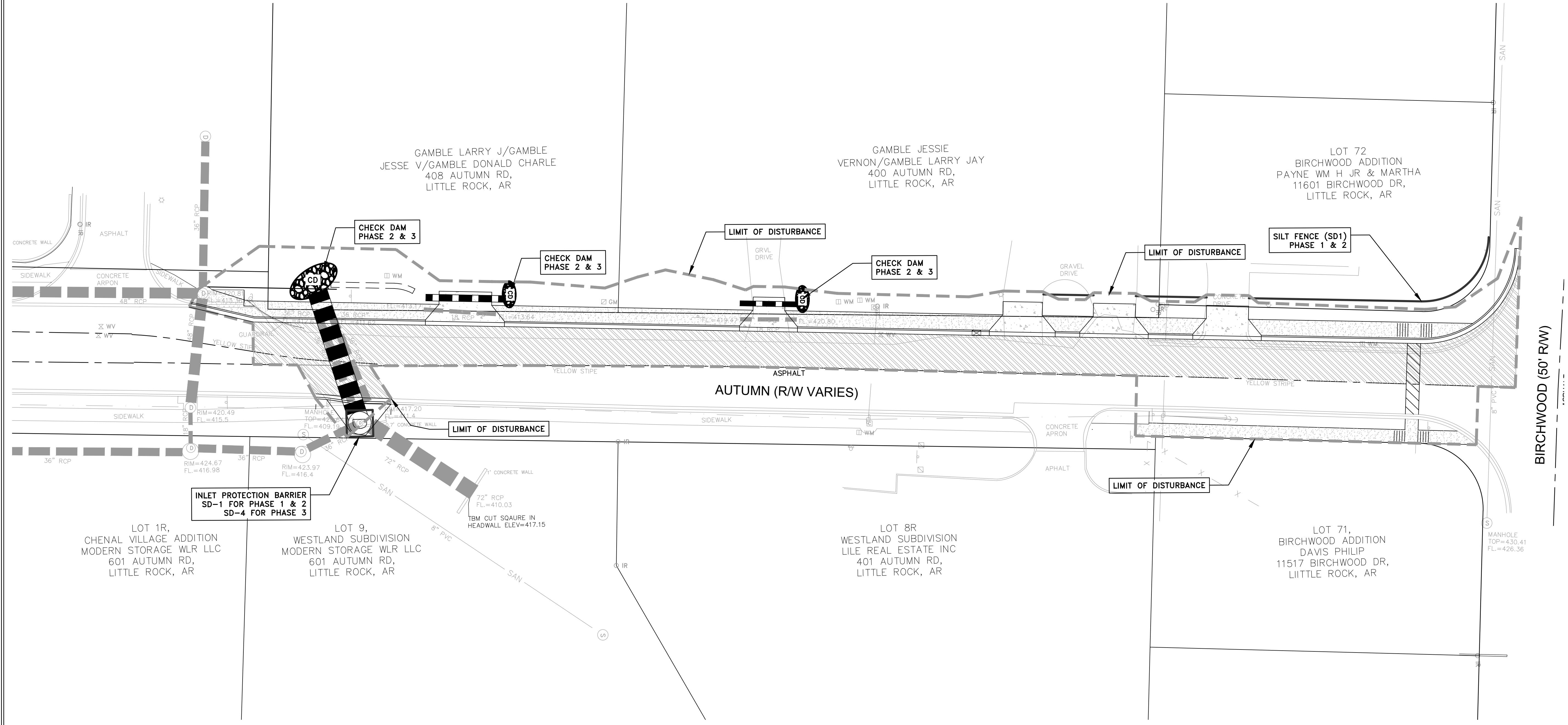
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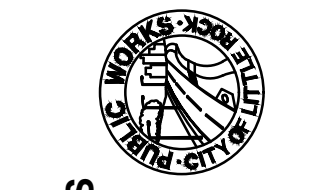


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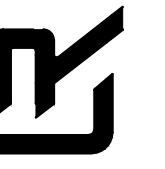


CITY OF LITTLE ROCK, ARKANSAS
 AUTUMN ROAD WIDENING
 04-22-ST-2DR

EROSION CONTROL



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 CIVIL ENGINEERING
 701 W. MARKHAM
 LITTLE ROCK, ARKANSAS 72201



SEAL

EROSION CONTROL NOTES:

PHASE 1

1. INSTALL STABILIZED CONSTRUCTION ENTRANCE/EXIT AND SWPPP INFORMATION SIGN.
2. INSTALL SILT FENCES ON THE SITE. CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL SILT FENCE.
3. PREPARE TEMPORARY PARKING AND STORAGE IF THERE IS TO BE ONE.
4. HALT ALL ACTIVITIES AND CONTACT THE CITY OF LITTLE ROCK TO PERFORM INSPECTION AND ACCEPTANCE OF BMP'S.
5. CONSTRUCT AND STABILIZE SEDIMENT TRAPS WITH APPROPRIATE OUTFALL STRUCTURES. CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL TRAPS.
6. INSTALL AND STABILIZE HYDRAULIC CONTROL STRUCTURES (DIKES, SWALES, CHECK DAMS, ETC.). CLEAR ONLY THOSE AREAS NECESSARY TO INSTALL HYDRAULIC CONTROL DEVICES.

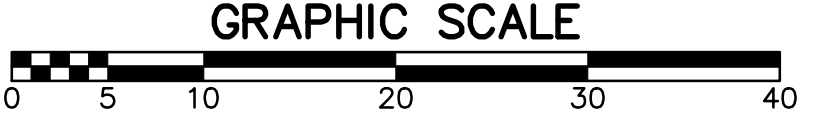
PHASE 2

1. BEGIN SITE DEMOLITION, CLEARING AND GRUBBING.
2. CONTINUE GRADING THE SITE.
3. INSTALL UTILITIES, UNDERDRAINS, STORM SEWERS, CURBS & GUTTERS.
4. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR PAVED AREAS AS WORK PROGRESSES.

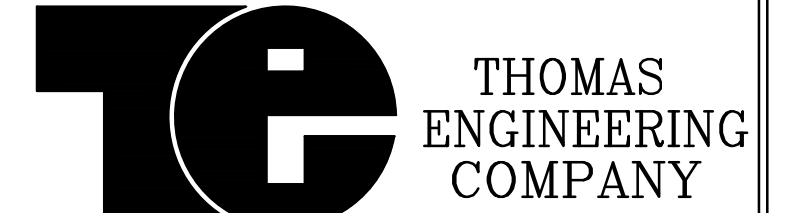
PHASE 3

1. CONTINUE GRADING THE SITE.
2. PREPARE SITE FOR PAVING.
3. PAVE THE SITE.
4. INSTALL APPROPRIATE INLET PROTECTION DEVICES FOR AREAS AS WORK PROGRESSES.
5. COMPLETE GRADING AND INSTALLATION OF PERMANENT STABILIZATION OVER ALL AREAS.

AREA OF DISTURBANCE: 19,555 SF.



60% SUBMITTAL



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