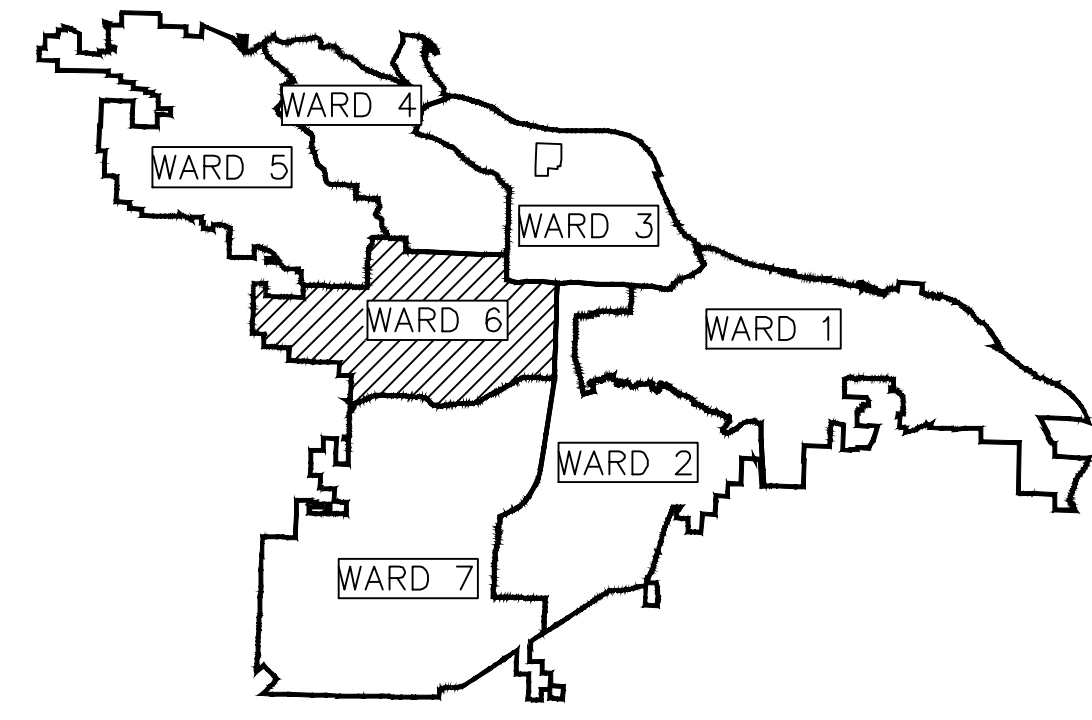


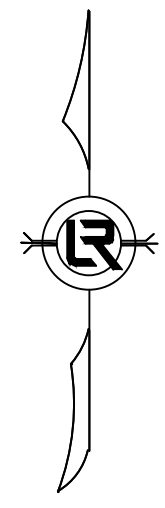
# CLR PROJECT 06-22-DR-004

## DORCHESTER DRIVE DRAINAGE

### LITTLE ROCK, ARKANSAS



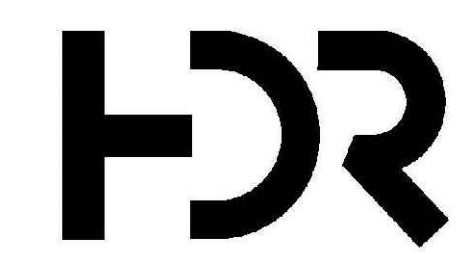
PROJECT LOCATION – WARD 6



**SEPTEMBER 2024**

**2023-2025  
BOND PROGRAM**

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



10825 FINANCIAL CENTRE PKWY  
SUITE 212  
LITTLE ROCK, AR 72211  
501-435-3700

TABLE OF CONTENTS

SHEET NO.	TITLE
C1	COVER SHEET
C2	GENERAL NOTES, LEGEND, AND QUANTITIES
C3	SPECIAL DETAILS
C4	EXISTING LAYOUT & DEMOLITION PLAN
C5	PROPOSED LAYOUT
C6	PLAN AND PROFILE – DORCHESTER DRIVE
C7	EROSION CONTROL PH 1
C8	EROSION CONTROL PH 2
C9	TRAFFIC CONTROL

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
DORCHESTER DRIVE DRAINAGE  
COVER SHEET

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



<b>DRAWN BY</b> JAA
<b>DESIGNED</b> VSE
<b>CHECKED</b> JPC
<b>DATE</b> 9/18/2024
<b>SCALE</b> NTS
<b>PROJECT NO.</b> 06-22-DR-004
<b>SHEET NO.</b> C1

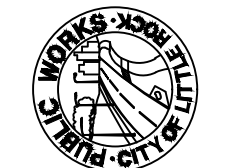
REVISIONS	DATE


PRICING OF ESTIMATED QUANTITIES			
CLR PROJECT 06-22-DR-004			
DORCHESTER DRIVE DRAINAGE			
		18-Sep-24	
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION	LS	1
8.03	CONCRETE CURB AND GUTTER (CLASS 3)	LF	12
9.01	CONCRETE SIDEWALK, 4"	SF	62
10.02	CURB INLET (PW-8)	EA	1
13.01	TIE INTO PROPOSED CURB INLET	EA	1
13.42P	STORM DRAIN PIPE, 15" (SIDE DRAIN)	LF	122
14.01	SOLID SODDING, MATCH EXISTING	SY	185
16.01	MAINTENANCE OF TRAFFIC	LS	1
18.01	4' CHAINLINK FENCE	LF	25
18.01A	WOODEN PRIVACY FENCE	LF	90
19.10	FINAL CLEANUP	LS	1
24.01	TEMP. PRIVACY FENCING	LF	150
24.10	INLET PROTECTION	EA	2
24.11	SILT FENCE - TYPE A (SFA)	LF	280
25.01	NEW WOODEN GATE	EA	2
32.15	FLARED END SECTIONS, 15"	EA	1
60.00	AS BUILT STORM SURVEY	LS	1

NOTES:  
1. SOLID SODDING ITEM TO INCLUDE FINE GRADING AND TOP SOIL.  
2. AS BUILT STORM SEWER SURVEY SHALL INCLUDE ALL UNDERGROUND STORM SEWERS AND UNDERGROUND FACILITIES WHICH THE CONTRACTOR INSTALLS. FINAL LOCATIONS SHALL BE ACCURATELY LOCATED BY MAKING MEASUREMENTS TO ITEMS SHOWN ON THE APPROPRIATE DRAWING. ELECTRONIC COPIES OF THE AS-BUILT INFORMATION SHALL BE SUBMITTED TO THE ENGINEER UPON COMPLETION OF WORK.  
3. ALL REMOVAL/DEMOLITION ITEMS TO BE INCLUDED IN SITE PREPARATION.

EXISTING	PROPOSED
IRON ROD	PROPOSED CONTOUR
PK NAIL	PROPOSED SPOT ELEVATION
R.R. SPIKE	PROPOSED SPOT CURB ELEVATION
CONC. MONUMENT	STORM SEWER - PIPE
WATER VALVE	STORM SEWER - METERED END SECTION
WATER METER	STORM SEWER - GRATE INLET
FIRE HYDRANT	STORM SEWER - JUNCTION BOX
GAS METER	STORM SEWER - FLARED END SECTION
GAS VALVE	STORM SEWER - HEADWALL
CLEAN-OUT	STORM SEWER - NO WING
GUARD POST (BOLLARD)	STORM SEWER - SINGLE WING
SIGN POST	STORM SEWER - DOUBLE WING
BENCHMARK	STORM SEWER - AREA INLET
STORM SEWER MANHOLE	GRADE BREAK LINE
SANITARY SEWER MANHOLE	HIGH POINT
TELEPHONE MANHOLE	LOW POINT
ELECTRIC MANHOLE	CUT LINE
TELEPHONE BOX	FILL LINE
ELECTRIC BOX	SANITARY SEWER PIPE
CABLE BOX	SANITARY SEWER MANHOLE
UTILITY POLE	PROPOSED CURB
GUY WIRE	PROPOSED CONCRETE
LIGHT POLE	CONSTRUCTION - ENTRANCE/EXIT
POST OR POLE (TYPE AS NOTED)	CHECK DAM
MAILBOX	DIVERSION BERM
DECIDUOUS TREE	DOWNDRAIN STRUCTURE - TEMPORARY
EVERGREEN/CONIFEROUS TREE	ROCK DAM
BUSH	SEDIMENT BARRIER - SILT FENCE
PROPERTY LINE	SEDIMENT BARRIER - GRAVEL RING
SETBACK LINE	SEDIMENT BARRIER - BLOCK & GRAVEL
EASEMENT LINE	SEDIMENT BARRIER - BLOCK
CURB	TEMPORARY SEDIMENT BASIN
FENCE	SILT FENCE - TYPE A
OVERHEAD ELECTRIC	SILT FENCE - TYPE B
OVERHEAD TELEPHONE	SILT FENCE - TYPE C
OVERHEAD CABLE	STORM DRAIN OUTLET PROTECTION
UNDERGROUND TELEPHONE	SURFACE ROUGHENING
UNDERGROUND ELECTRIC	DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
UNDERGROUND CABLE	DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
WATER LINE	DISTURBED AREA STABILIZATION - PERMANENT GRASSING
SEWER LINE	MATTING/BLANKETS
GAS LINE	
STORM SEWER/CULVERT	
EDGE OF WOODS	
CONTOUR LINE	

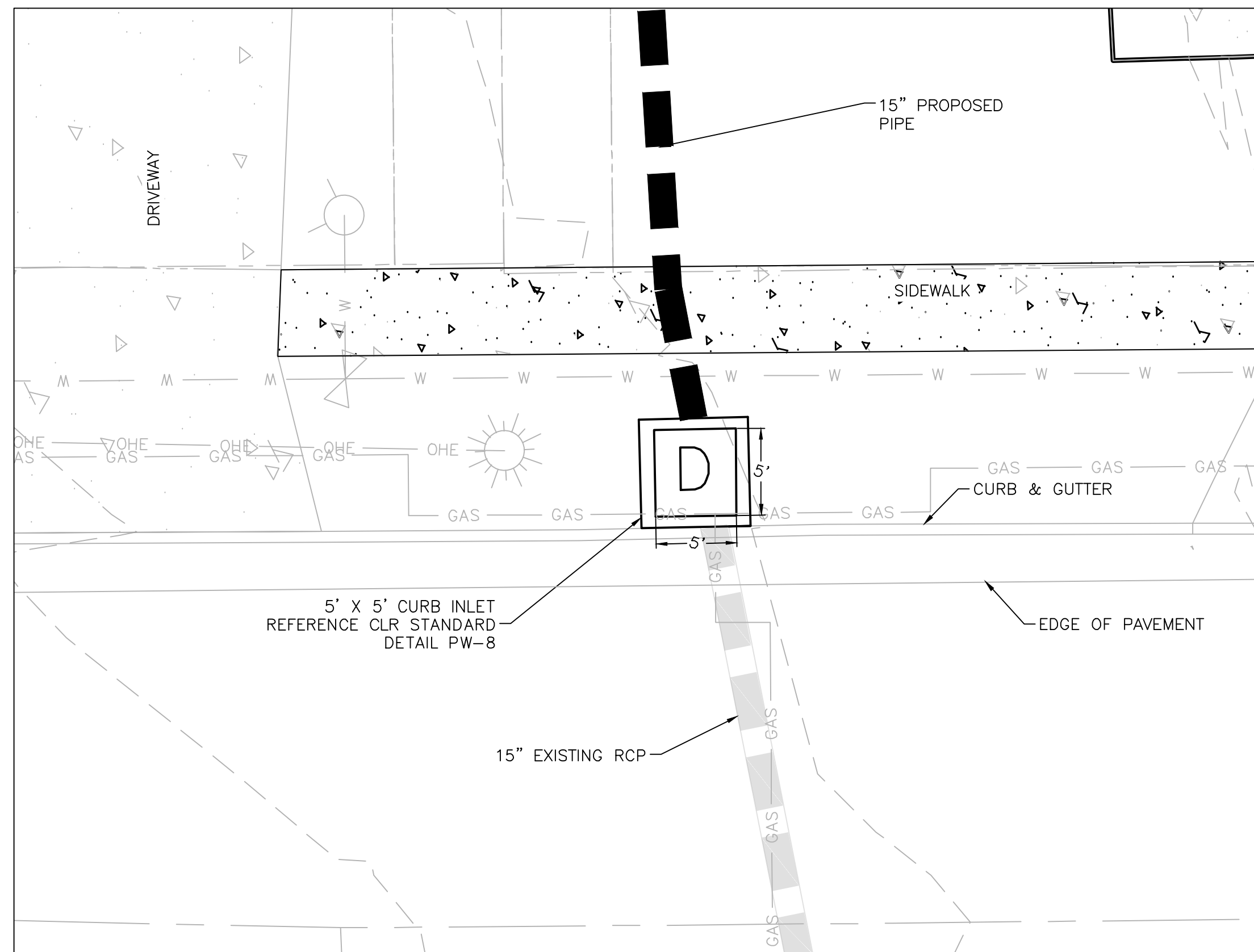
CITY OF LITTLE ROCK, ARKANSAS  
DORCHESTER DRIVE DRAINAGE  
GENERAL NOTES, LEGEND, AND QUANTITIES

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

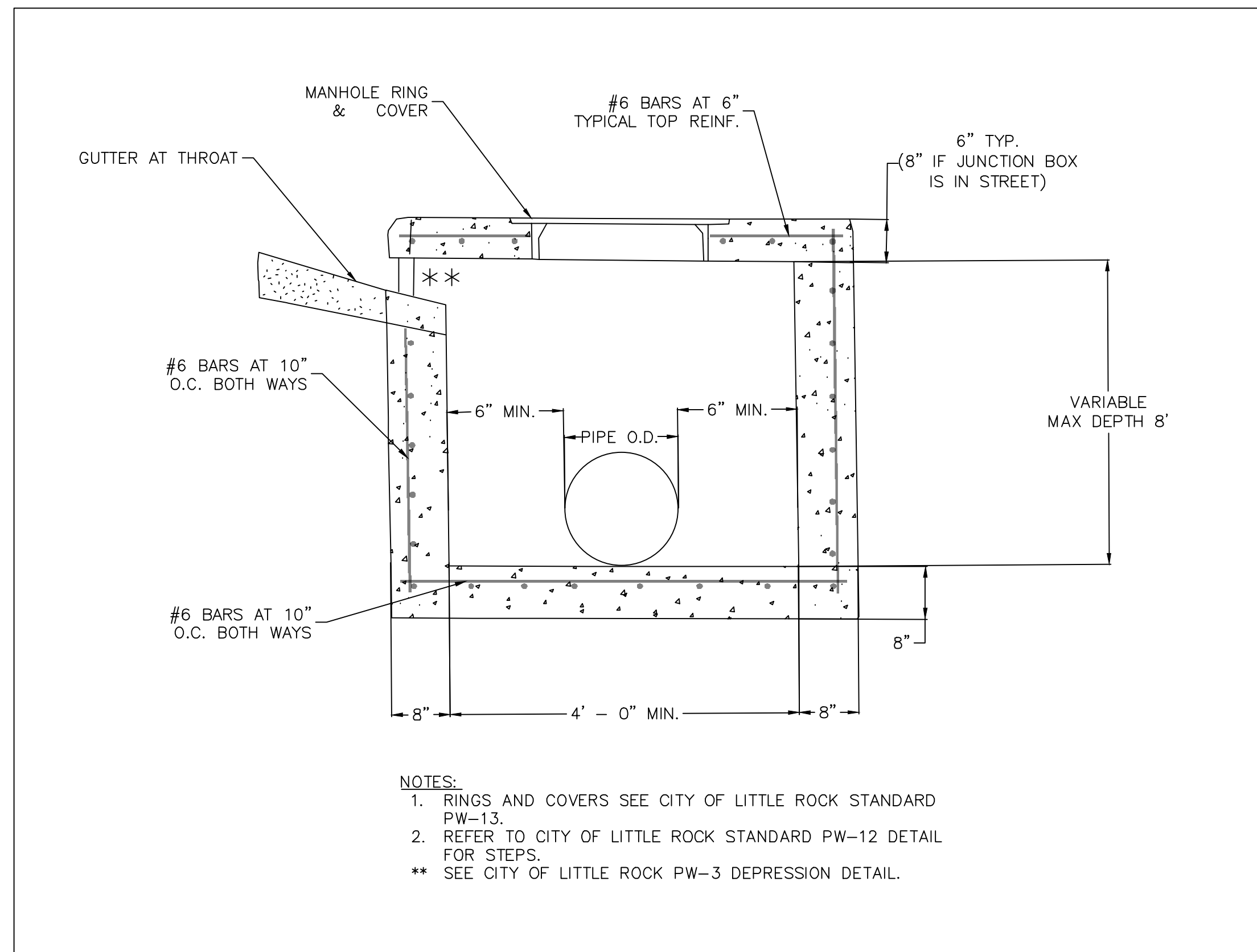
  
STATE OF ARKANSAS  
LICENSED PROFESSIONAL ENGINEER  
No. 18018  
JUSTIN P. CARNEY  
DIGITALLY SIGNED 09-26-2024

<b>DRAWN BY</b> JAA
<b>DESIGNED</b> VSE
<b>CHECKED</b> JPC
<b>DATE</b> 9/18/2024
<b>SCALE</b> NTS
<b>PROJECT NO.</b> 06-22-DR-004
<b>SHEET NO.</b> C2





PLAN VIEW




SECTION VIEW

- NOTES:
1. RINGS AND COVERS SEE CITY OF LITTLE ROCK STANDARD PW-13.
  2. REFER TO CITY OF LITTLE ROCK STANDARD PW-12 DETAIL FOR STEPS.
  - \*\* SEE CITY OF LITTLE ROCK PW-3 DEPRESSION DETAIL.

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 DROCHESTER DRIVE DRAINAGE  
 SPECIAL DETAILS

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




DRAWN BY  
 VSE  
 DESIGNED  
 VSE  
 CHECKED  
 JPC  
 DATE  
 9/18/2024  
 SCALE  
 NTS

PROJECT NO.  
 06-22-DR-004  
 SHEET NO.  
 C3












REVISIONS	DATE

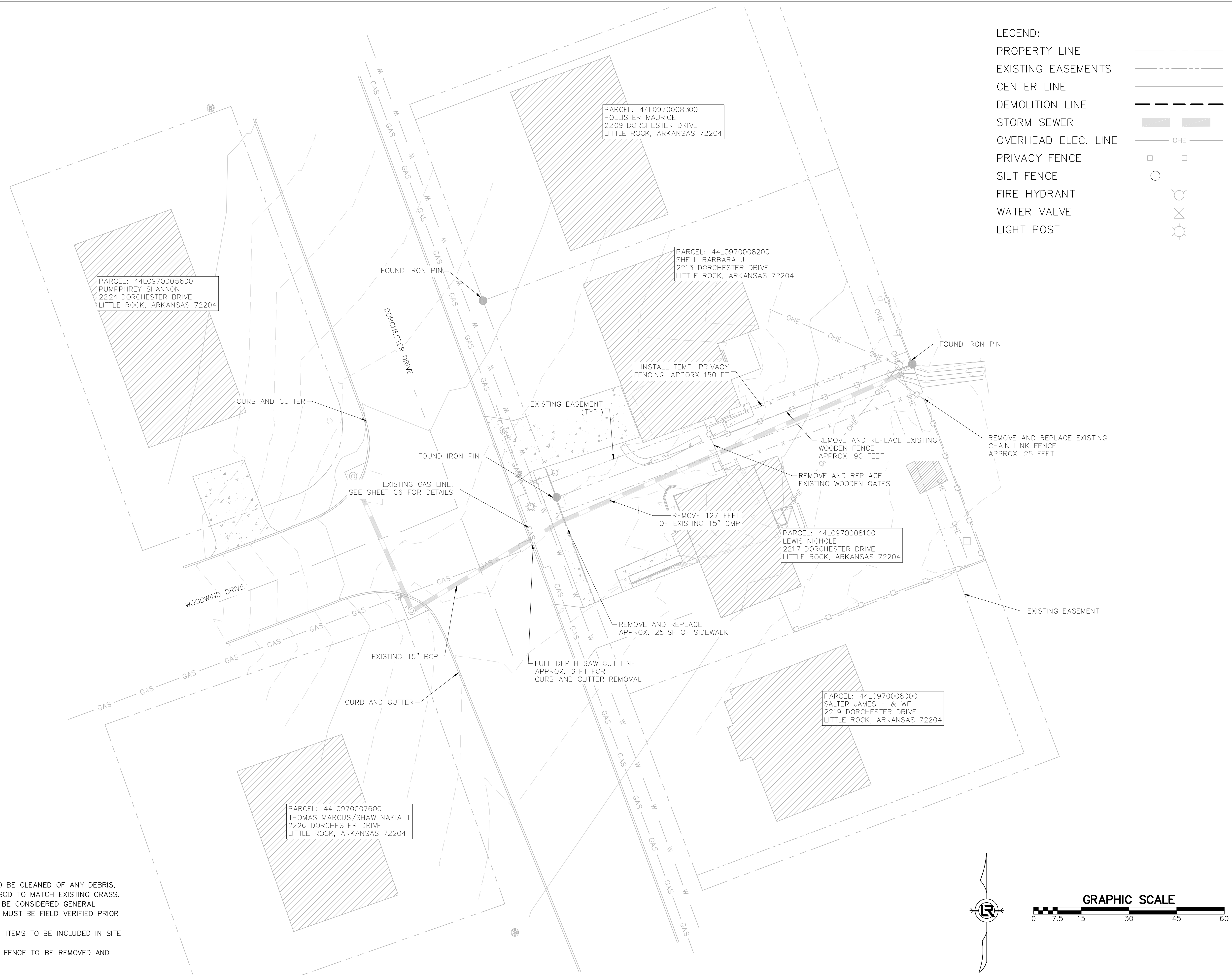
**CITY OF LITTLE ROCK, ARKANSAS**  
**DROCHESTER DRIVE DRAINAGE**  
**EXISTING LAYOUT & DEMOLITION PLAN**

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

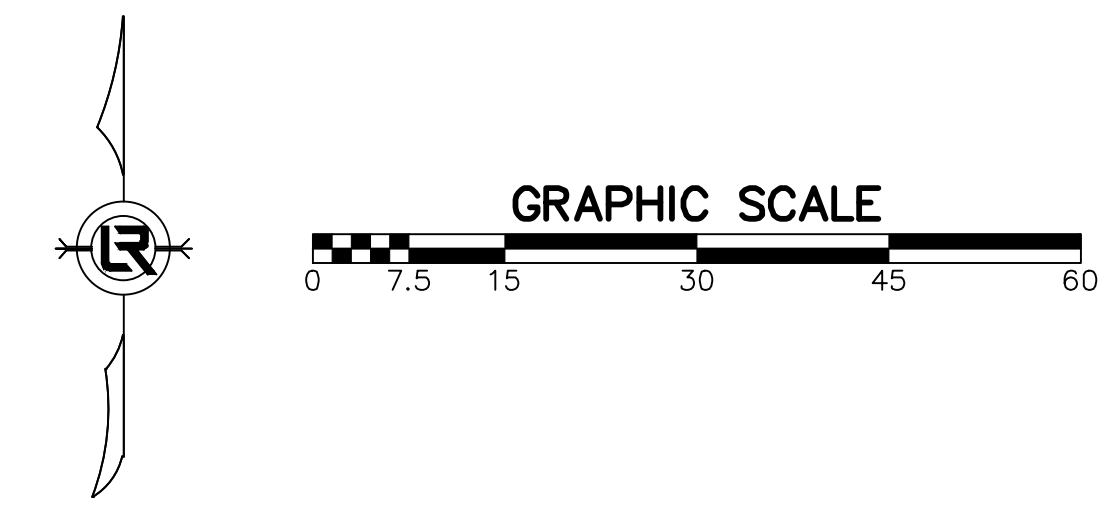
  
 JUSTIN P. CARNEY  
 No. 18018  
DIGITALLY SIGNED 09-26-2024

**DRAWN BY**  
JAA  
**DESIGNED**  
VSE  
**CHECKED**  
JPC  
**DATE**  
9/18/2024  
**SCALE**  
1:15  
**PROJECT NO.**  
06-22-DR-004  
**SHEET NO.**  
C4

- LEGEND:**
- PROPERTY LINE 
  - EXISTING EASEMENTS 
  - CENTER LINE 
  - DEMOLITION LINE 
  - STORM SEWER 
  - OVERHEAD ELEC. LINE 
  - PRIVACY FENCE 
  - SILT FENCE 
  - FIRE HYDRANT 
  - WATER VALVE 
  - LIGHT POST 



- GENERAL NOTE:**
- ALL DISTURBED AREAS TO BE CLEANED OF ANY DEBRIS, GRADED, AND SODDED. SOD TO MATCH EXISTING GRASS.
  - UTILITIES SHOWN ARE TO BE CONSIDERED GENERAL LOCATION. ALL UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.
  - ALL REMOVAL/DEMOLITION ITEMS TO BE INCLUDED IN SITE PREPARATION LINE ITEM.
  - WOODEN AND CHAIN LINK FENCE TO BE REMOVED AND REPLACED IN KIND.





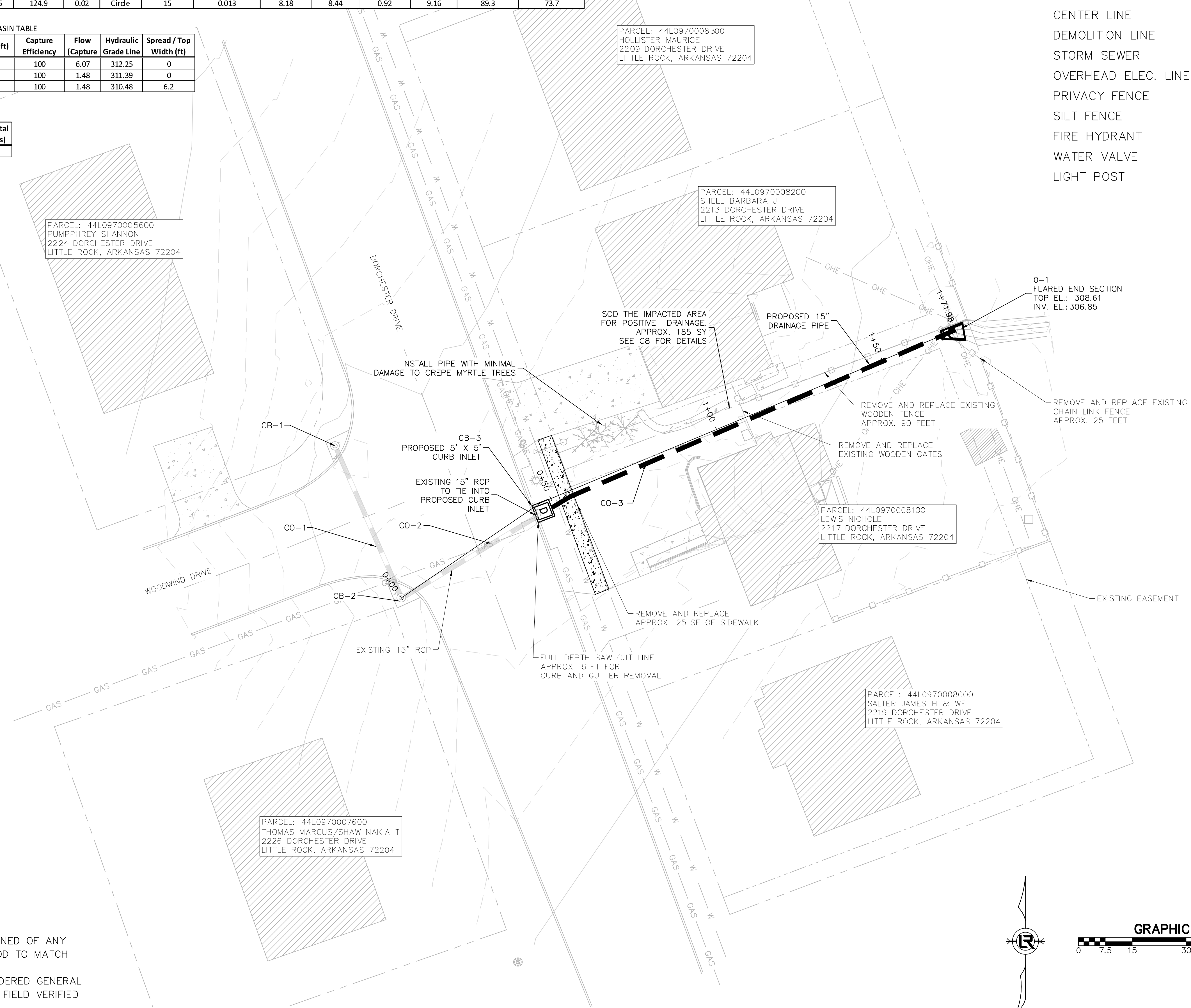
REVISIONS	DATE

Pipe Label	Start	Invert (Start) (ft)	Stop	Invert (Stop) (ft)	Length (ft)	Slope (ft/ft)	Section Type	Diameter (in)	Manning's n	Flow (cfs)	Velocity (ft/s)	Depth (Out) (ft)	Capacity (Full Flow)	Flow / Capacity (Design) (%)	Depth (Normal) / Rise (%)
CO-1	CB-1	311.25	CB-2	310.32	46.1	0.02	Circle	15	0.013	6.07	7.99	1.07	9.17	66.2	59.4
CO-2	CB-2	310.32	CB-3	309.36	47.8	0.02	Circle	15	0.013	7.13	8.24	1.12	9.15	77.9	66.4
CO-3	CB-3	309.36	O-1	306.85	124.9	0.02	Circle	15	0.013	8.18	8.44	0.92	9.16	89.3	73.7

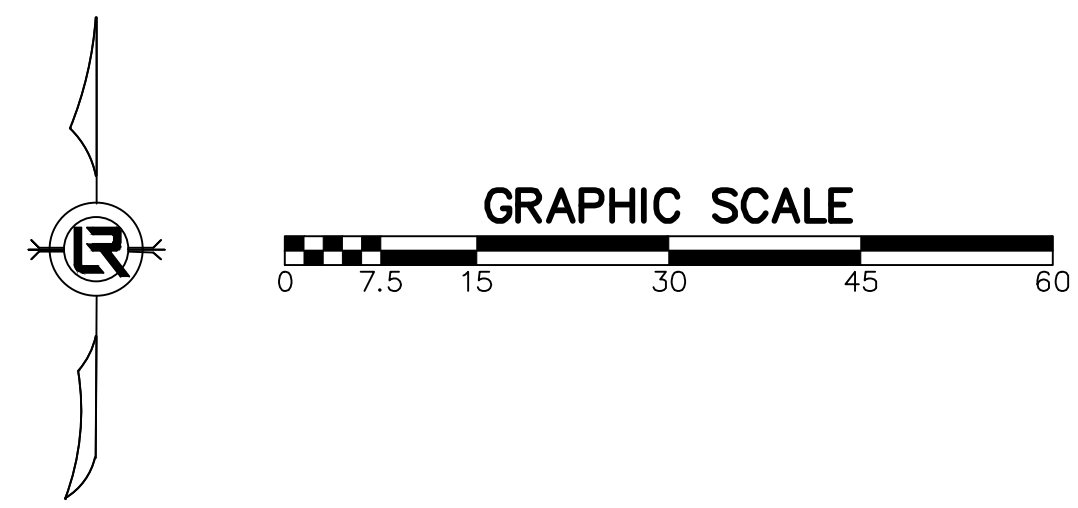
Inlet Label	Elevation (Rim) (ft)	Elevation (Invert) (ft)	Length (ft)	Width (ft)	Capture Efficiency	Flow (Capture)	Hydraulic Grade Line	Spread / Top Width (ft)
CB-1	314.65	311.25	4	4	100	6.07	312.25	0
CB-2	313.5	310.32	4	4	100	1.48	311.39	0
CB-3	313.35	309.36	5	5	100	1.48	310.48	6.2

FES Label	Elevation (Ground)	Elevation (Invert)	Hydraulic Grade (ft)	Flow (Total Out) (cfs)
O-1	308.53	306.85	307.77	8.1

- LEGEND:
- PROPERTY LINE
  - EXISTING EASEMENTS
  - CENTER LINE
  - DEMOLITION LINE
  - STORM SEWER
  - OVERHEAD ELEC. LINE
  - PRIVACY FENCE
  - SILT FENCE
  - FIRE HYDRANT
  - WATER VALVE
  - LIGHT POST



- GENERAL NOTE:
- ALL DISTURBED AREAS TO BE CLEANED OF ANY DEBRIS, GRADED, AND SODDED. SOD TO MATCH EXISTING GRASS.
  - UTILITIES SHOWN ARE TO BE CONSIDERED GENERAL LOCATION. ALL UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.



CITY OF LITTLE ROCK, ARKANSAS  
DORCHESTER DRIVE DRAINAGE  
PROPOSED LAYOUT

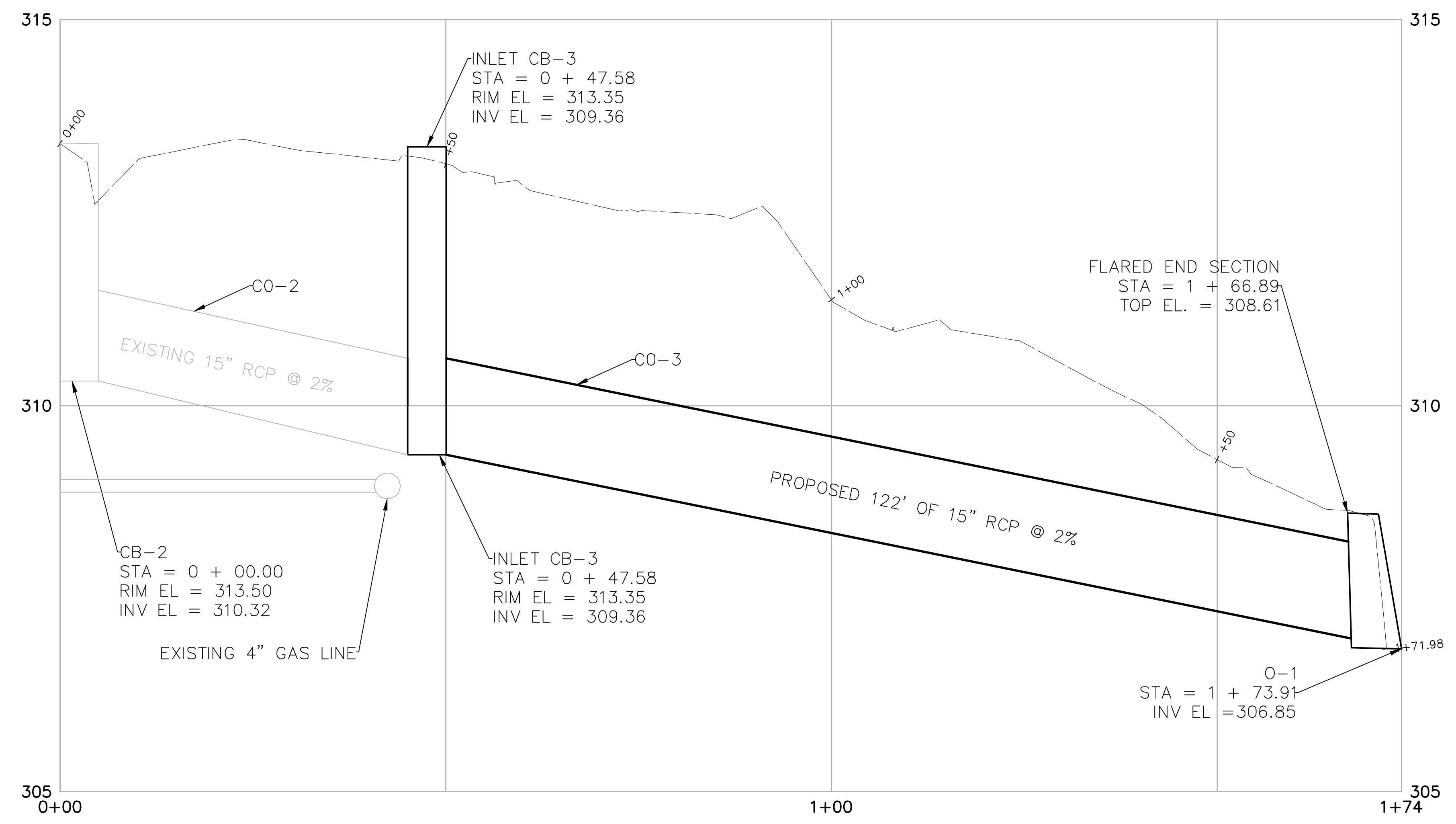
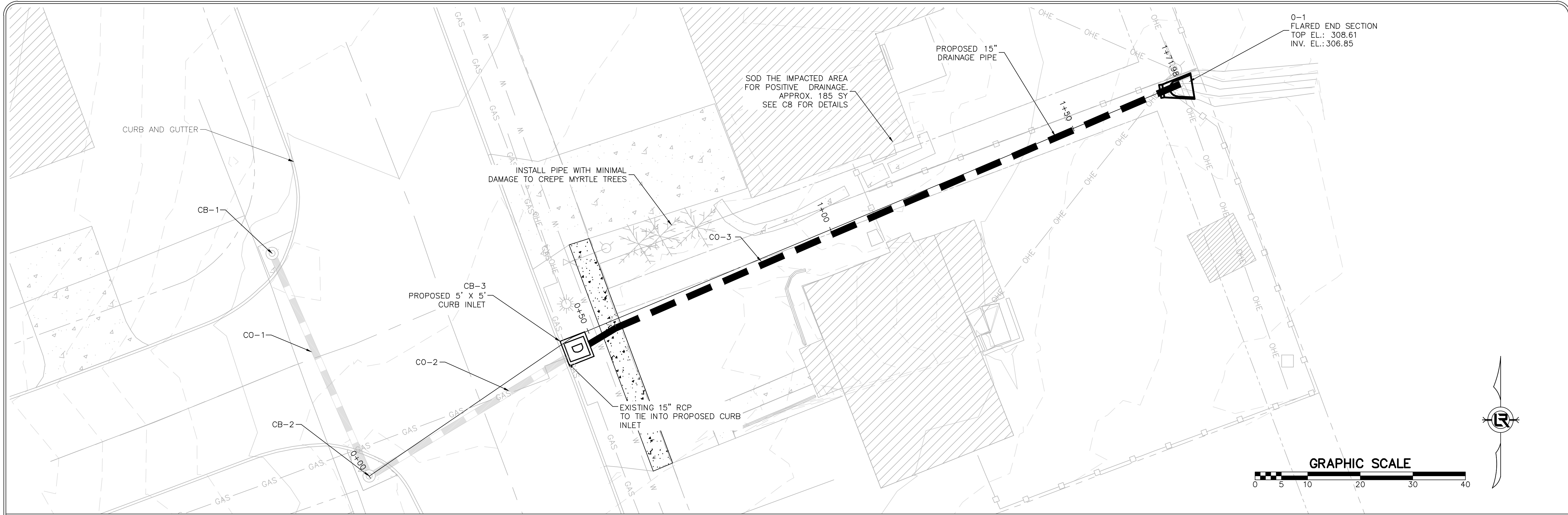
DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS  
LICENSED PROFESSIONAL ENGINEER  
No. 18018  
JUSTIN P. CARNEY

DIGITALLY SIGNED 09-26-2024


DRAWN BY  
JAA  
DESIGNED  
VSE  
CHECKED  
JPC  
DATE  
9/18/2024  
SCALE  
1:15  
PROJECT NO.  
06-22-DR-004  
SHEET NO.  
C5





REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**DROCHESTER DRIVE DRAINAGE**  
**PLAN AND PROFILE**

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

  
 STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 18018  
 JUSTIN P. CARNEY  
DIGITALLY SIGNED 09-26-2024


<b>DRAWN BY</b> JAA
<b>DESIGNED</b> VSE
<b>CHECKED</b> JPC
<b>DATE</b> 9/18/2024
<b>SCALE</b> 1:10
<b>PROJECT NO.</b> 06-22-DR-004
<b>SHEET NO.</b> C6














REVISIONS	DATE

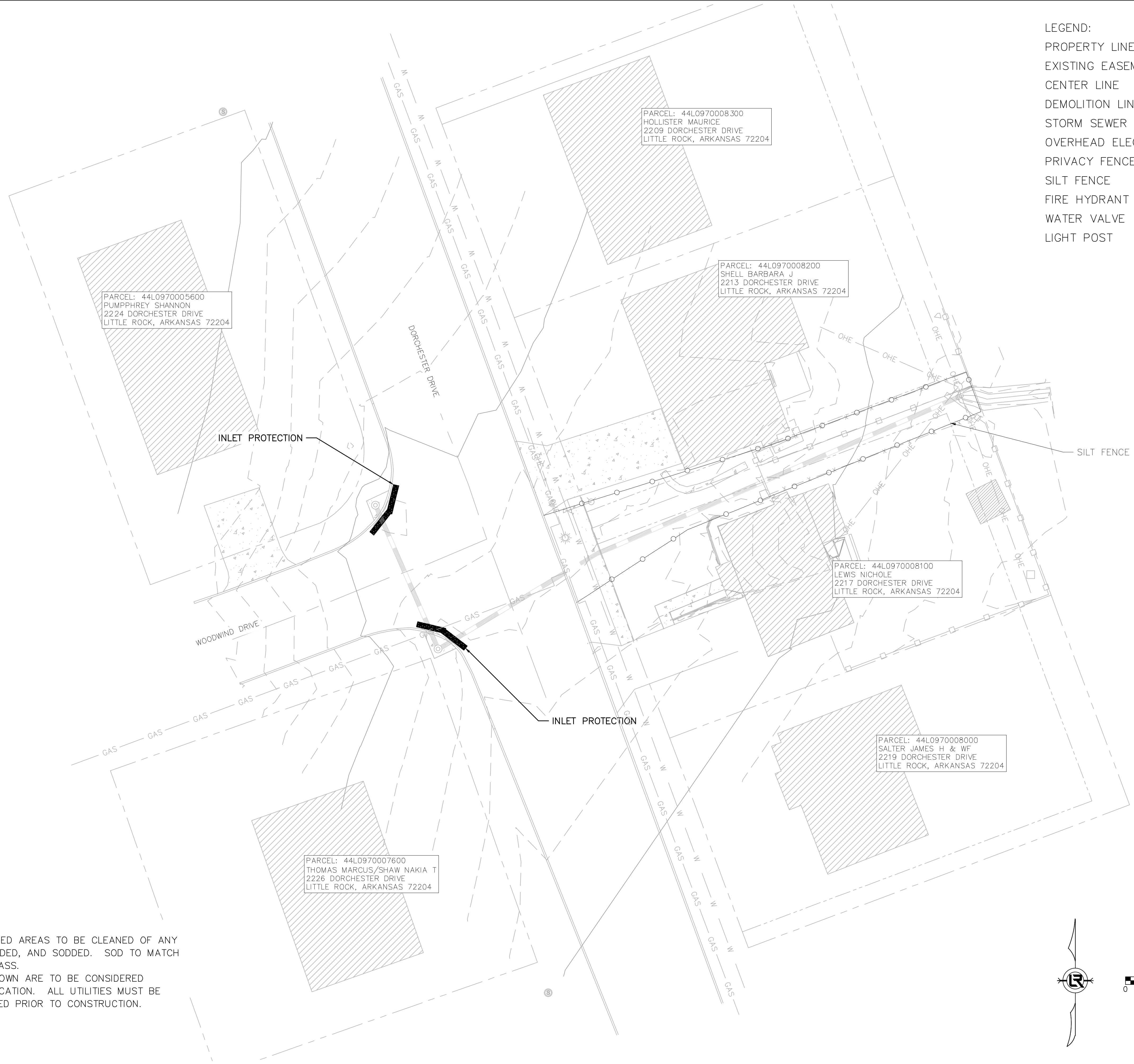
**CITY OF LITTLE ROCK, ARKANSAS**  
**DORCHESTER DRIVE DRAINAGE**  
**EROSION CONTROL PHASE 1**

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

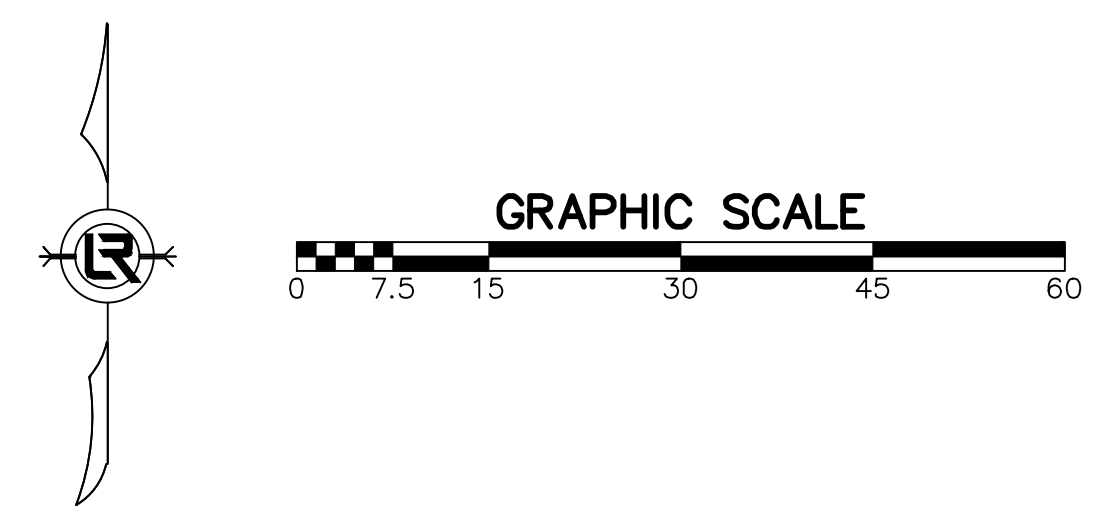



**DRAWN BY**  
**JAA**  
**DESIGNED**  
**VSE**  
**CHECKED**  
**JPC**  
**DATE**  
**9/18/2024**  
**SCALE**  
**1:15**  
**PROJECT NO.**  
**06-22-DR-004**  
**SHEET NO.**  
**C7**

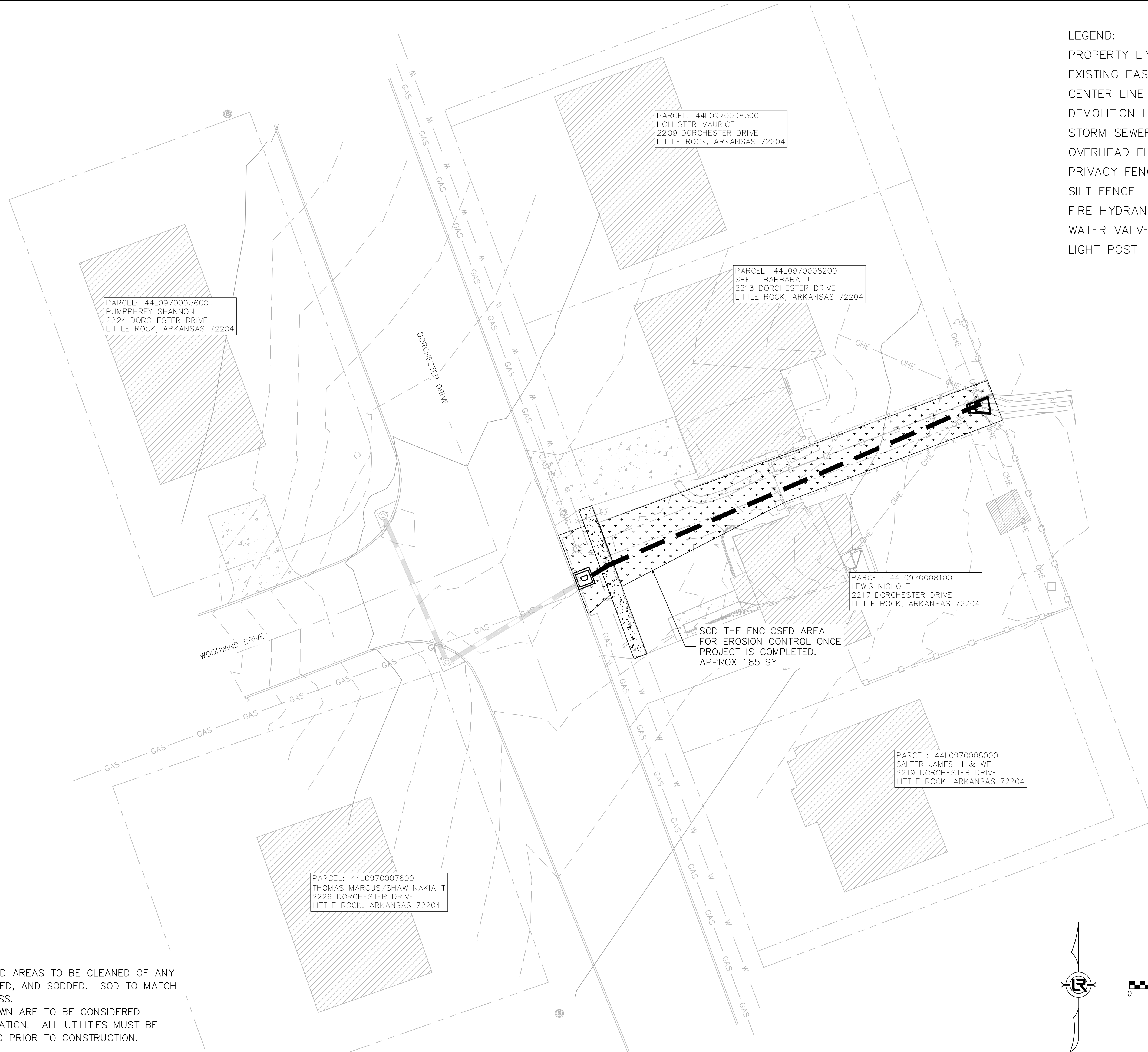
- LEGEND:
- PROPERTY LINE 
  - EXISTING EASEMENTS 
  - CENTER LINE 
  - DEMOLITION LINE 
  - STORM SEWER 
  - OVERHEAD ELEC. LINE 
  - PRIVACY FENCE 
  - SILT FENCE 
  - FIRE HYDRANT 
  - WATER VALVE 
  - LIGHT POST 



- GENERAL NOTE:
- ALL DISTURBED AREAS TO BE CLEANED OF ANY DEBRIS, GRADED, AND SODDED. SOD TO MATCH EXISTING GRASS.
  - UTILITIES SHOWN ARE TO BE CONSIDERED GENERAL LOCATION. ALL UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.







PARCEL: 44L0970005600  
PUMPHREY SHANNON  
2224 DORCHESTER DRIVE  
LITTLE ROCK, ARKANSAS 72204

PARCEL: 44L0970008300  
HOLLISTER MAURICE  
2209 DORCHESTER DRIVE  
LITTLE ROCK, ARKANSAS 72204

PARCEL: 44L0970008200  
SHELL BARBARA J  
2213 DORCHESTER DRIVE  
LITTLE ROCK, ARKANSAS 72204

PARCEL: 44L0970008100  
LEWIS NICHOLE  
2217 DORCHESTER DRIVE  
LITTLE ROCK, ARKANSAS 72204

PARCEL: 44L0970008000  
SALTER JAMES H & WF  
2219 DORCHESTER DRIVE  
LITTLE ROCK, ARKANSAS 72204

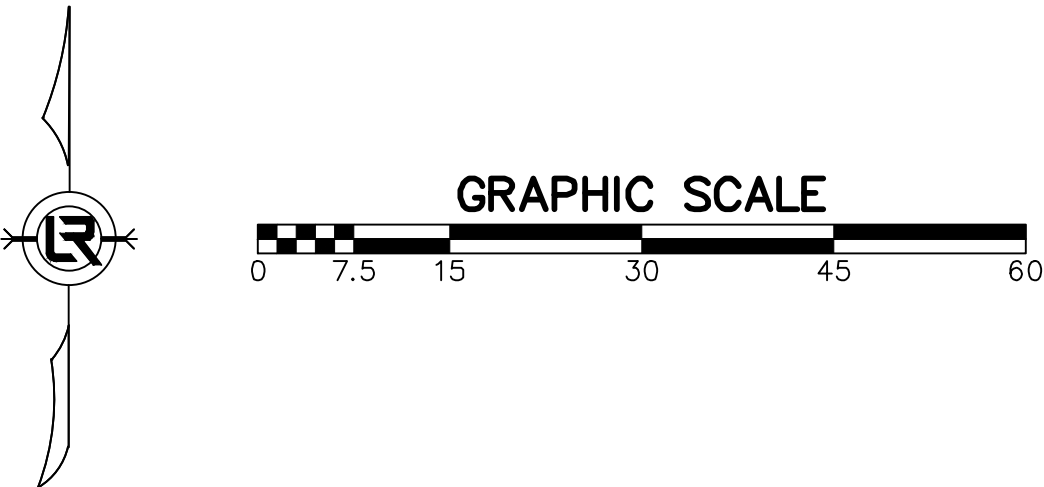
PARCEL: 44L0970007600  
THOMAS MARCUS/SHAW NAKIA T  
2226 DORCHESTER DRIVE  
LITTLE ROCK, ARKANSAS 72204

SOD THE ENCLOSED AREA  
FOR EROSION CONTROL ONCE  
PROJECT IS COMPLETED.  
APPROX 185 SY

LEGEND:

PROPERTY LINE	---
EXISTING EASEMENTS	- - - - -
CENTER LINE	—+—+—+—
DEMOLITION LINE	—+—+—+—
STORM SEWER	▬▬▬▬▬▬
OVERHEAD ELEC. LINE	—○—○—○—
PRIVACY FENCE	—□—□—□—
SILT FENCE	—○—○—○—
FIRE HYDRANT	⊗
WATER VALVE	⊗
LIGHT POST	⊗

- GENERAL NOTE:
- ALL DISTURBED AREAS TO BE CLEANED OF ANY DEBRIS, GRADED, AND SODDED. SOD TO MATCH EXISTING GRASS.
  - UTILITIES SHOWN ARE TO BE CONSIDERED GENERAL LOCATION. ALL UTILITIES MUST BE FIELD VERIFIED PRIOR TO CONSTRUCTION.



REVISIONS	DATE

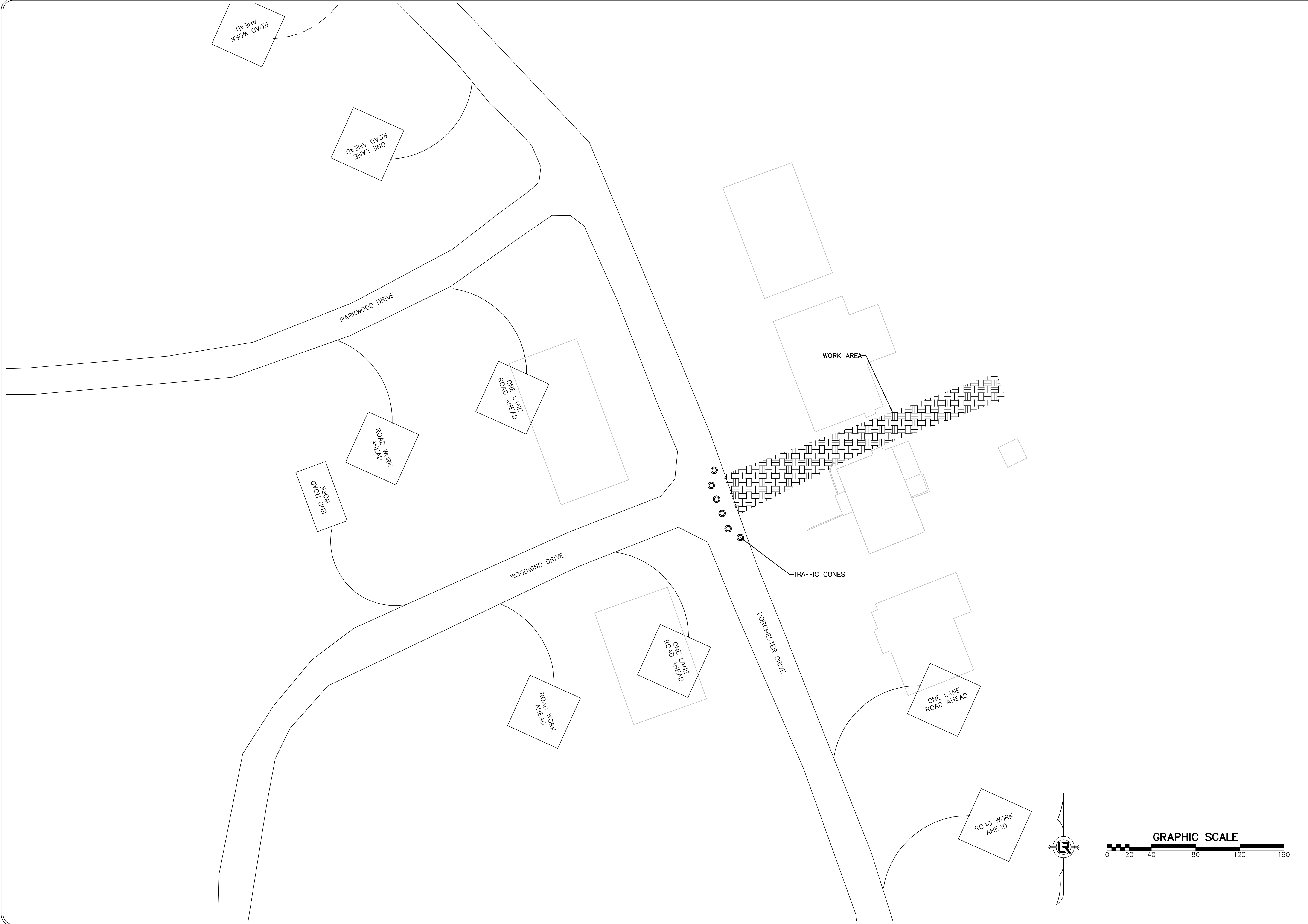
**CITY OF LITTLE ROCK, ARKANSAS**  
**DORCHESTER DRIVE DRAINAGE**  
**EROSION CONTROL PHASE 2**

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

STATE OF ARKANSAS  
LICENSED PROFESSIONAL ENGINEER  
No. 18018  
JUSTIN P. CARNEY  
DIGITALLY SIGNED 09-26-2024

DRAWN BY  
JAA  
DESIGNED  
VSE  
CHECKED  
JPC  
DATE  
9/18/2024  
SCALE  
1:15  
PROJECT NO.  
06-22-DR-004  
SHEET NO.  
C8


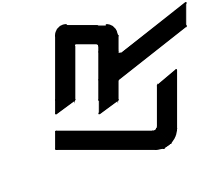




REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 DROCHESTER DRIVE DRAINAGE  
 TRAFFIC CONTROL

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

STATE OF ARKANSAS  
 LICENSED PROFESSIONAL ENGINEER  
 No. 18018  
 JUSTIN P. CARNEY  
 DIGITALLY SIGNED 09-26-2024



<b>DRAWN BY</b> JAA
<b>DESIGNED</b> VSE
<b>CHECKED</b> JPC
<b>DATE</b> 9/18/2024
<b>SCALE</b> 1:20
<b>PROJECT NO.</b> 06-22-DR-004
<b>SHEET NO.</b> C9