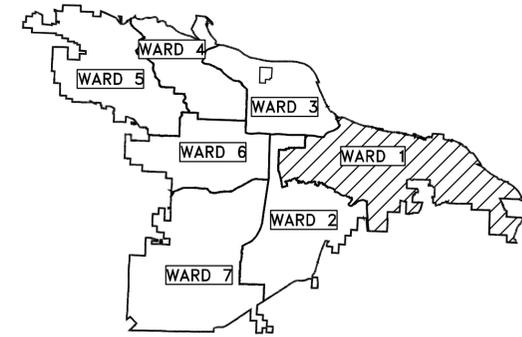


# CLR PROJECT 01-16-DR-10

## WARD 1

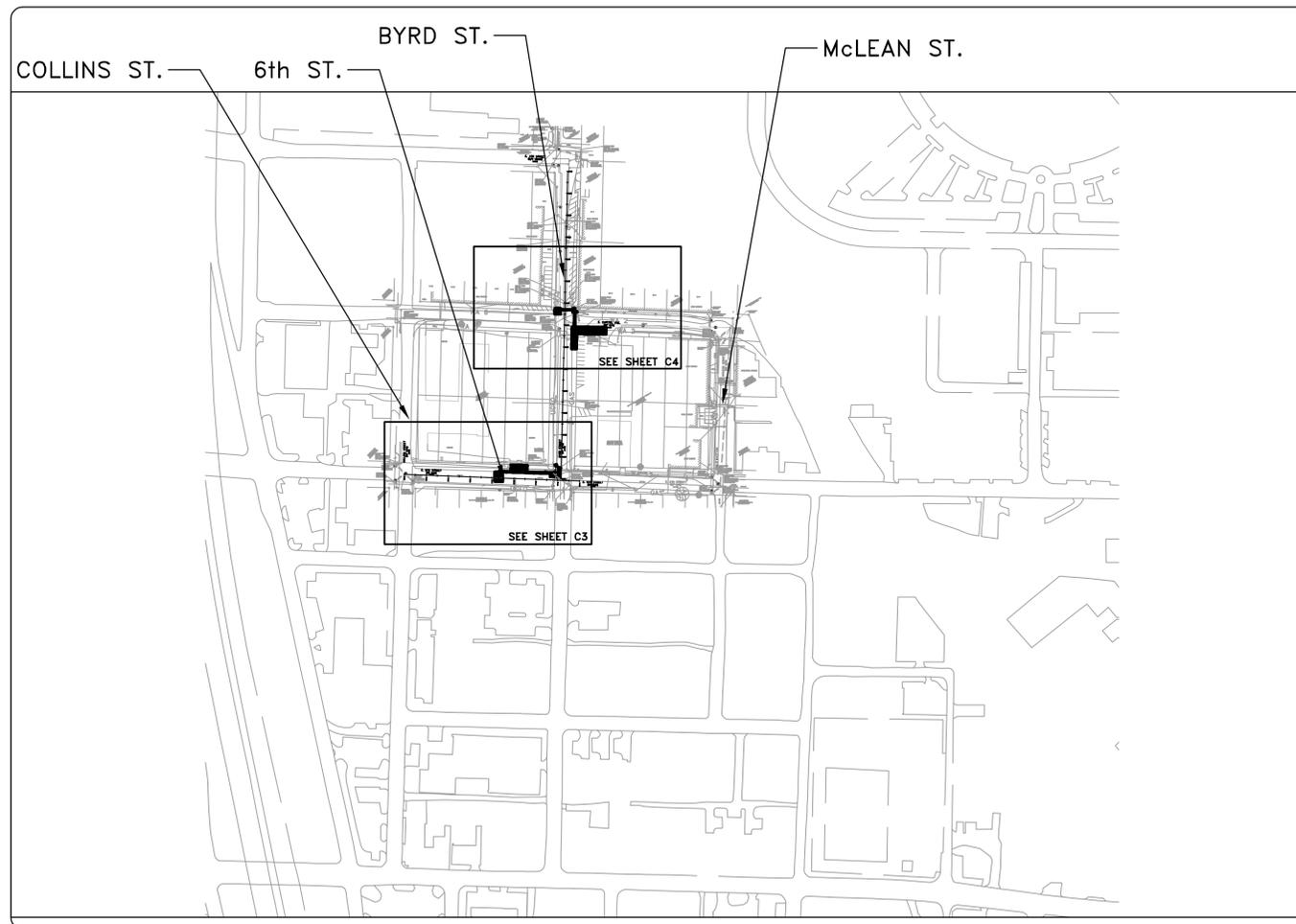
### 6th STREET DRAINAGE



PROJECT LOCATION - WARD 1  
 34°44'31"N 92°15'36.45"W  
 34.7419 -92.2601



SCALE: 1"=200'



SHEET NO.	TITLE
C1	COVER SHEET
C2	LEGEND AND DETAIL SHEET
C3	6th ST.: COLLINS ST. - BYRD ST. PLAN SHEET
C4	BYRD ST. - EAST CAPITOL AVE. PLAN SHEET
C5	6th ST.: COLLINS ST. - BYRD ST. EROSION CONTROL SHEET
C6	6th ST. . MAINTENANCE OF TRAFFIC
C7	BYRD ST. MAINTENANCE OF TRAFFIC



**2019-2021**  
**BOND PROGRAM**

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



Know what's below.  
 Call before you dig.



1300 east 6th Street little rock, ar 72202  
 501.372.2900 cromwell.com

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 WARD 1 01-16-DR-10 6th STREET DRAINAGE  
 COVER SHEET

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



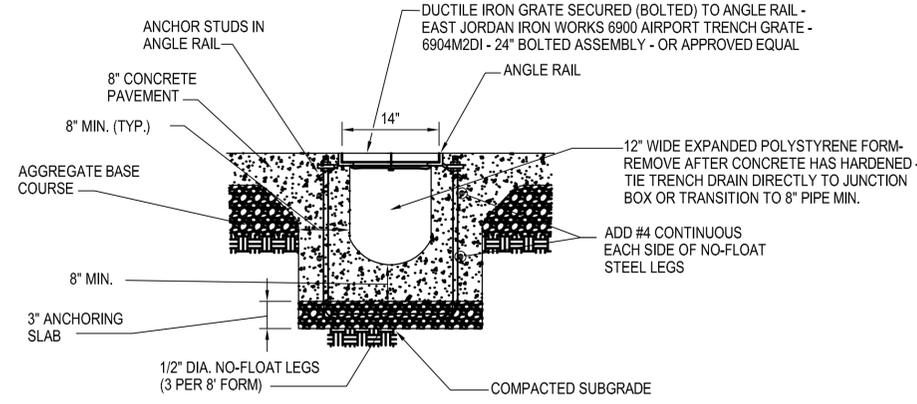
DRAWN BY	MJT
DESIGNED	MJT
CHECKED	CGW
DATE	10-08-2019
SCALE	N.T.S.
PROJECT NO.	CLR #17201
SHEET NO.	C1

**CLR PROJECT #17201**

WARD 1 6TH Street Drainage 01-16-DR-10

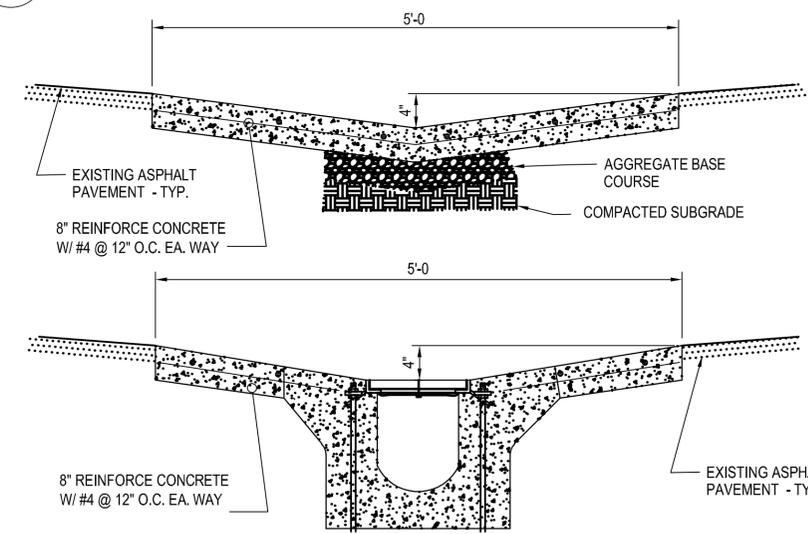
8-Oct-19

ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
2.01	SITE PREPARATION	LS	1
3.40	TOPSOIL	CY	25
4.01	AGGREGATE BASE COURSE	TON	215
6.01	ACHM SURFACE COURSE	TON	55
6.20	ACHM BINDER COURSE	TON	55
7.18	CONCRETE DRIVEWAY (8" THICK), STANDARD FINISH	SF	1225
8.03	CONCRETE CURB AND GUTTER (CLASS 3)	LF	115
9.06	CONCRETE SIDEWALK 6" THICK	SF	30
10.01	JUNCTION BOX	EA	4
10.04	CURB INLET 5'	EA	1
10.14	10' WING EXTENSION	EA	1
10.81	REBUILD JUNCTION BOX TOP	EA	2
13.18A	STORM DRAIN ARCH PIPE 13-1/2"x22" (CROSS DRAIN)	LF	78
13.24C	STORM DRAIN PIPE 24" (CROSS DRAIN)	LF	17
13.24C	STORM DRAIN PIPE 24" (SIDE DRAIN)	LF	105
13.30C	STORM DRAIN PIPE 30" (SIDE DRAIN)	LF	21
13.61	TIE INTO EXISTING BOX CULVERT	EA	1
13.63	CONCRETE PLUG ON EXISTING STORM DRAIN	EA	5
16.01	MAINTENANCE OF TRAFFIC	LS	1
19.01	FINAL CLEANUP	LS	1
24.09	SEDIMENT BARRIER, BLOCK (SD4)	EA	1
24.13	SILT FENCE - TYPE C (SFC)	LF	130
24.18	DISTURBED AREA STABILIZATION - PERMANENT GRASSING (TS3)	AC	0.04
26.10	TRENCH SAFETY AND EXCAVATION	LS	1
719.04Y	THERMOPLASTIC PAVEMENT MARKING YELLOW 4"	LF	60
SP	TRENCH DRAIN	LF	88
SP	CURB INLET/JUNCTION BOX	EA	1



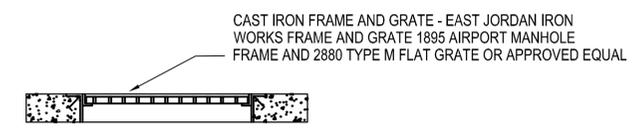
- NOTES:
- TRENCH DRAIN SHALL BE CONSTRUCTED USING A PRE-MANUFACTURED FORMING SYSTEM (TRENCH FORMER BY ABT, INC. OR APPROVED EQUAL). CONSTRUCT IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
  - INSTALL ANGLE RAIL CLOSURE ON BOTH ENDS OF TRENCH DRAIN.
  - TRENCH DRAIN SHALL SLOPE @ 1/8"/FT.

**1 TRENCH DRAIN DETAIL**  
NOT TO SCALE



- NOTES:
- CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI AT 28 DAYS.
  - SAW CUT ALL IMPROVEMENTS AT REMOVAL LINES.
  - SEE DETAIL 1 FOR TRENCH DRAIN INFORMATION.

**3 DRAINAGE SWALE DETAIL**  
NOT TO SCALE



- NOTES:
- CITY OF LITTLE ROCK STANDARD DETAIL PW-11 FOR OTHER DETAILS.

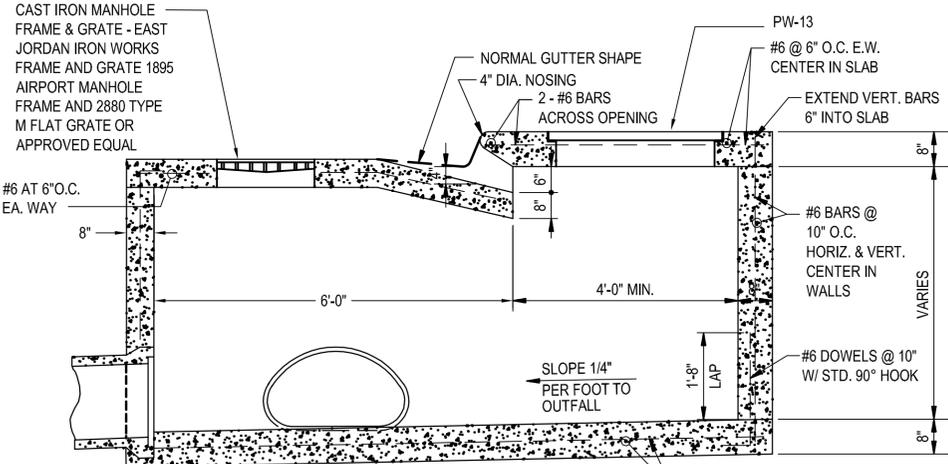
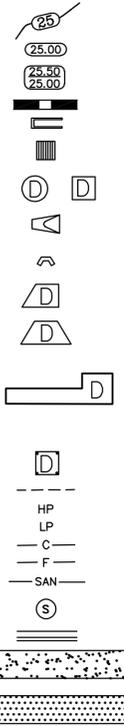
**5 STANDARD DETAIL PW-11 MODIFICATION FOR NEW JUNCTION BOX**  
NOT TO SCALE

**EXISTING**

- 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
- CONTOUR LINE

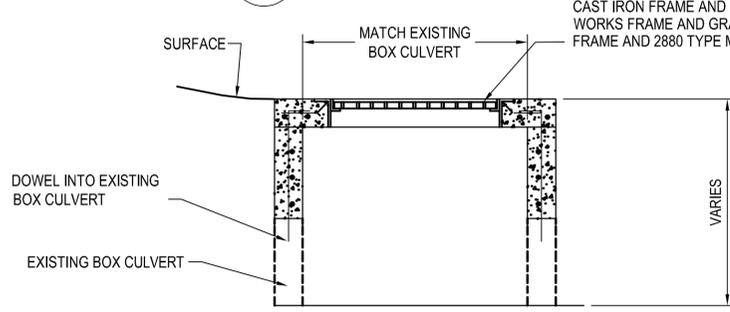
**PROPOSED**

- 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 - 10' THROAT EXTENSION
- 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
- PROPOSED ASPHALT
- SEDIMENT BARRIER - BLOCK
- SILT FENCE - TYPE C
- DISTURBED AREA STABILIZATION -PERMANENT GRASSING



- NOTE:
- COMBINATION CURB INLET/JUNCTION BOX SHALL MEET REQUIREMENTS OF PW-1A, PW-3, PW-10, PW-11, AND PW-13. ASSOCIATED CURB AND GUTTER TIE-IN SHALL MEET PW-29 REQUIREMENTS.

**2 OFFSET CURB INLET CATCH BOX DETAIL (CICB1)**  
NOT TO SCALE



- NOTES:
- CITY OF LITTLE ROCK STANDARD DETAIL PW-11 FOR OTHER DETAILS.

**4 STANDARD DETAIL PW-11 MODIFICATION GRATE INLET TOP DETAIL**  
NOT TO SCALE

REVISIONS DATE

CITY OF LITTLE ROCK, ARKANSAS

WARD 1 01-16-DR-10 6th STREET DRAINAGE

LEGEND AND DETAIL SHEET

DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201

STATE OF ARKANSAS

REGISTERED PROFESSIONAL ENGINEER

NO. 10660

MICHAEL TARINI

10/08/2019

DRAWN BY MJT

DESIGNED MJT

CHECKED CGW

DATE 10-08-2019

SCALE N.T.S.

PROJECT NO. CLR #17201

SHEET NO. C2

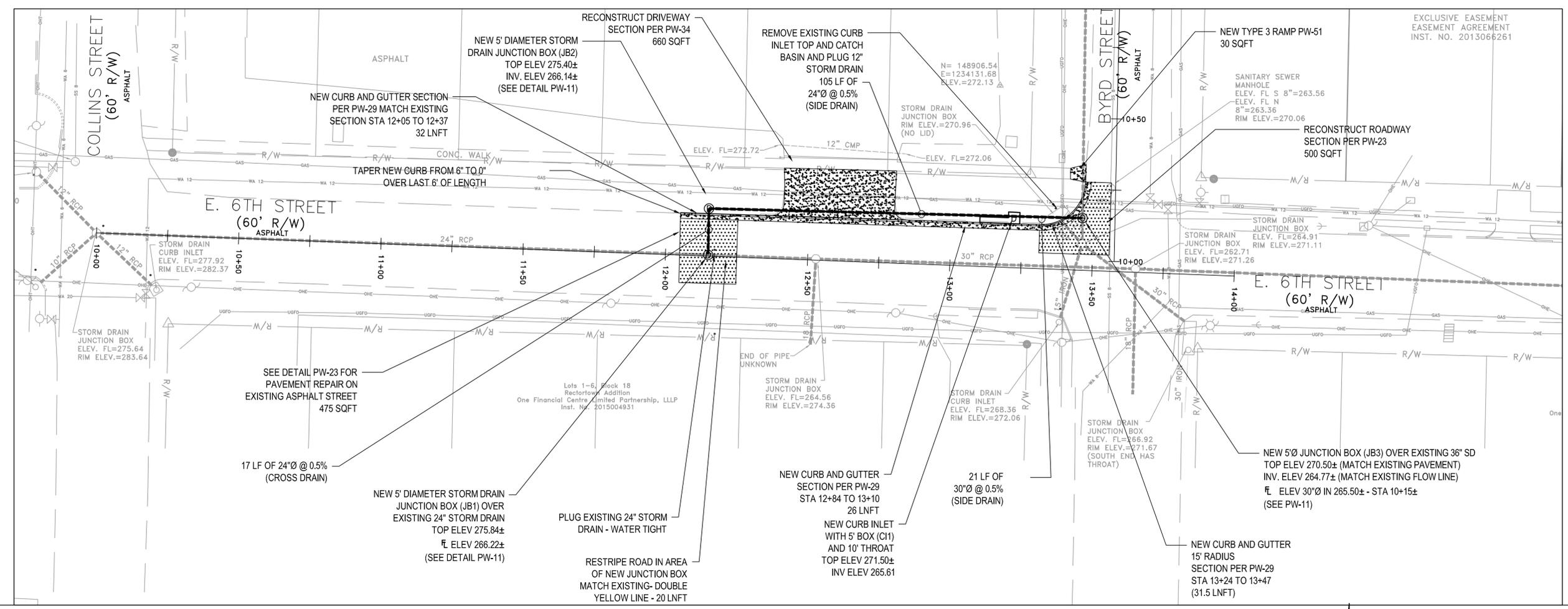
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**WARD 1 01-16-DR-10 6th STREET DRAINAGE**  
**6th STREET: COLLINS STREET TO BYRD STREET PLAN SHEET**

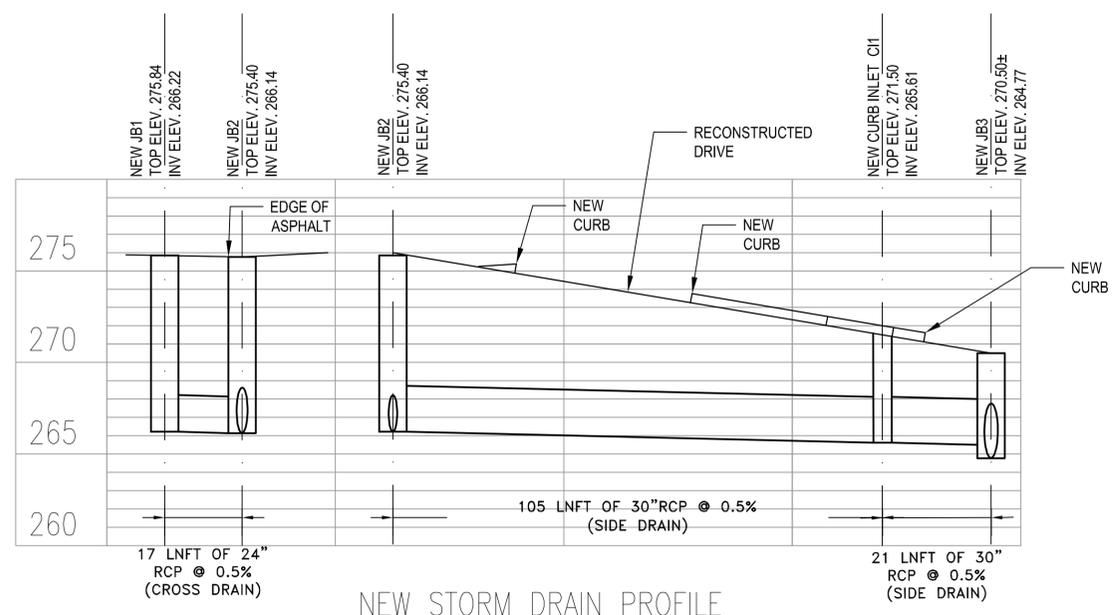
  
**DEPARTMENT OF PUBLIC WORKS**  
**CIVIL ENGINEERING**  
**701 W. MARKHAM**  
**LITTLE ROCK, ARKANSAS 72201**

  
**REGISTERED PROFESSIONAL ENGINEER**  
**No. 10660**  
**10/08/2019**

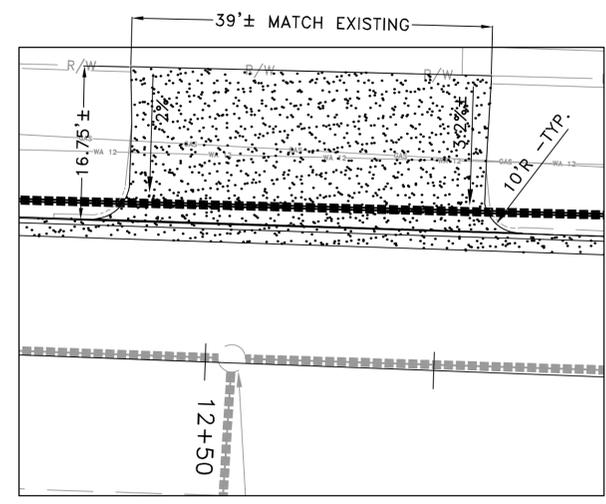
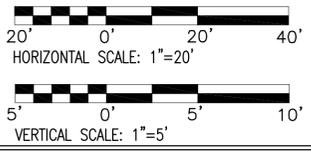
**DRAWN BY**  
**MJT**  
**DESIGNED**  
**MJT**  
**CHECKED**  
**CGW**  
**DATE**  
**10-08-2019**  
**SCALE**  
**20 SCALE**  
**PROJECT NO.**  
**CLR #17201**  
**SHEET NO.**  
**C3**



- NOTE:**
1. REFERENCE DETAIL PW-1B FOR JUNCTION BOX WALL THICKNESS, DIAMETER, AND REINFORCING.
  2. SAW CUT ALL IMPROVEMENTS AT REMOVAL LINES.



**NEW STORM DRAIN PROFILE**



**COMMERCIAL DRIVE 910 EAST 6th STREET**

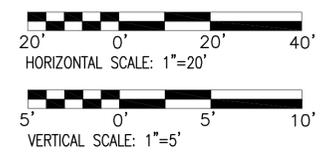
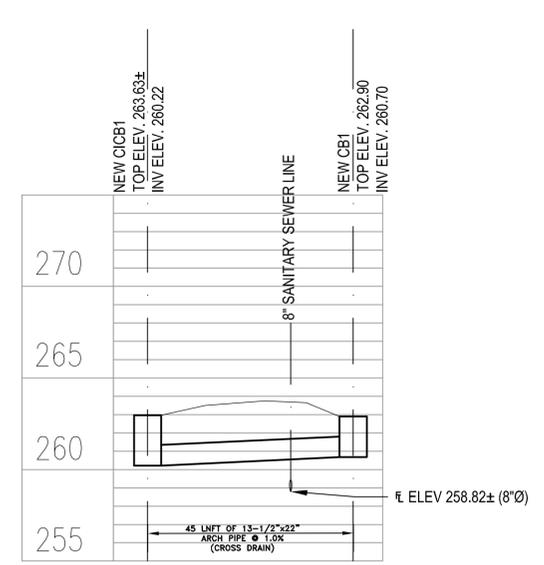
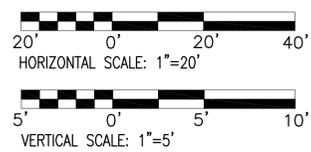
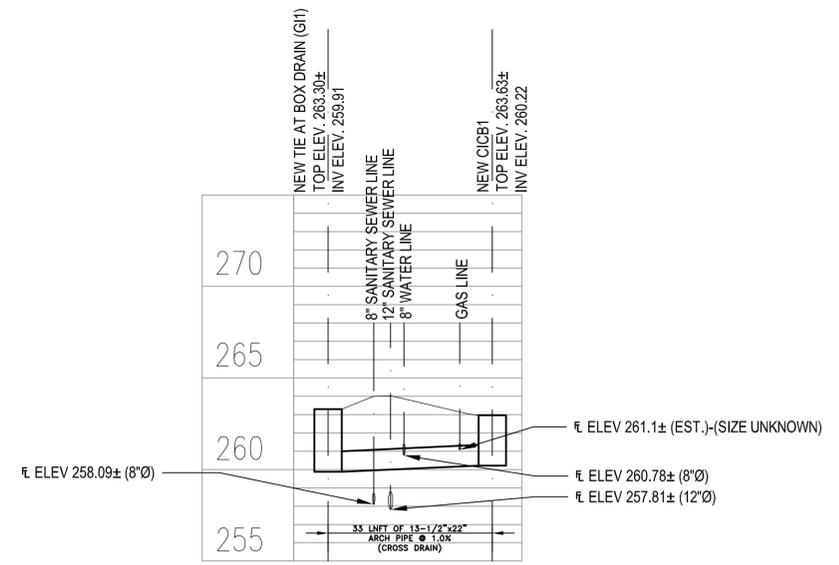
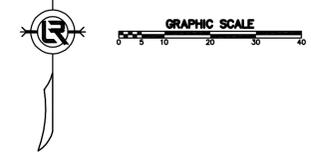
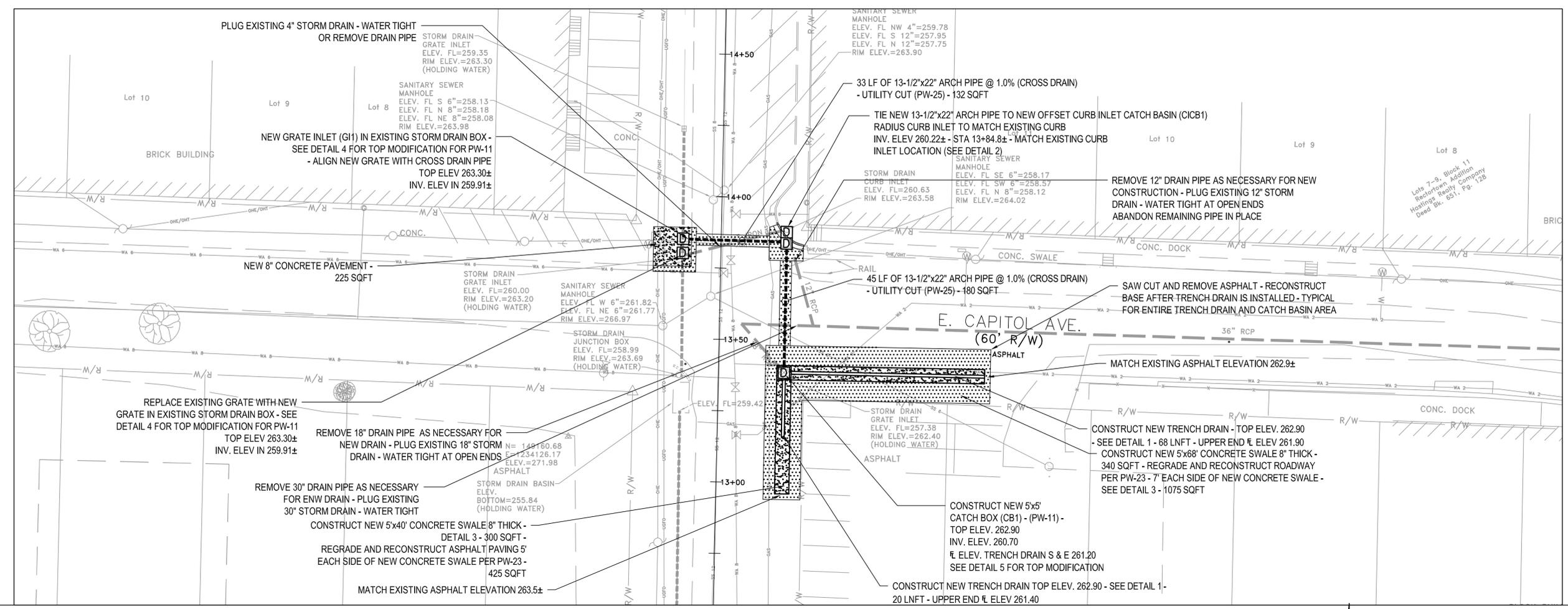
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**WARD 1 01-16-DR-10 6th STREET DRAINAGE**  
**BYRD STREET - E. CAPITOL AVE.**  
**PLAN SHEET**

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

  
**STATE OF ARKANSAS**  
**REGISTERED PROFESSIONAL ENGINEER**  
**No. 10660**  
**10/02/2019**

**DRAWN BY**  
**MJT**  
**DESIGNED**  
**MJT**  
**CHECKED**  
**CGW**  
**DATE**  
**10-08-2019**  
**SCALE**  
**20 SCALE**  
**PROJECT NO.**  
**CLR #17201**  
**SHEET NO.**  
**C4**





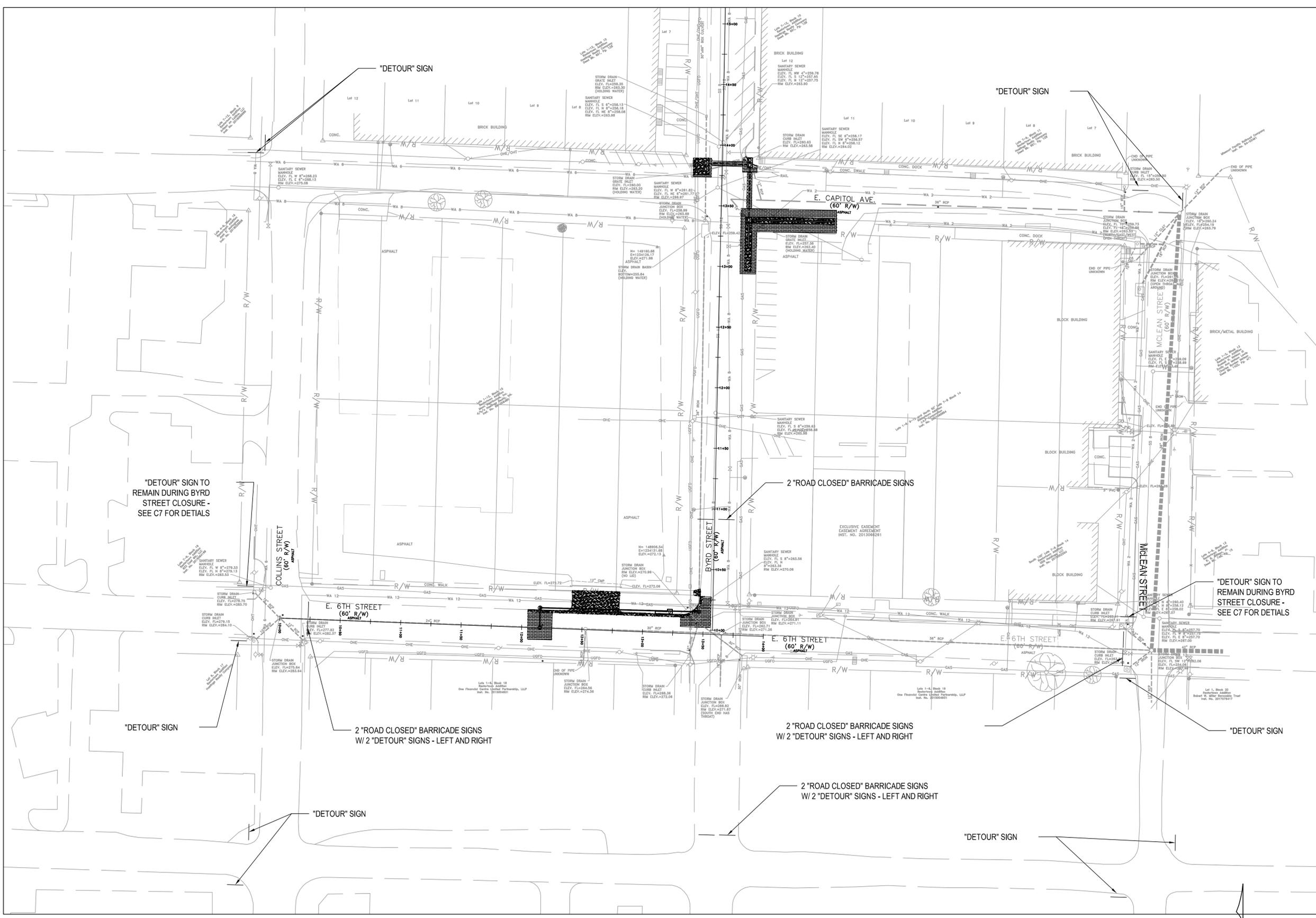
REVISIONS	DATE

**CITY OF LITTLE ROCK, ARKANSAS**  
**WARD 1 01-16-DR-10 6th STREET DRAINAGE**  
**6th STREET MAINTENANCE OF TRAFFIC**

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

  
**REGISTERED PROFESSIONAL ENGINEER**  
**Michael Traini**  
**No. 10660**  
**10/02/2019**

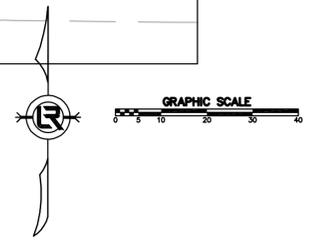
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**DESIGNED**  
**MJT**  
**CHECKED**  
**CGW**  
**DATE**  
**10-08-2019**  
**SCALE**  
**20 SCALE**  
**PROJECT NO.**  
**CLR #17201**  
**SHEET NO.**  
**C6**



**NOTE:**

- REFERENCE ARDOT STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION STANDARD DRAWING TC-1 FOR NOTES AND DETAILS.
- USE TYPE III BARRICADE FOR "ROAD CLOSED" SIGNS.
- MOUNT DETOUR SIGNS TO BARRICADE WHEN "ROAD CLOSED" AND "DETOUR" SIGNS ARE SHOWN TOGETHER.

- "ROAD CLOSED" - USE RII-2
- "DETOUR" - USE M4-10 LEFT AND RIGHT
- MINIMIZE ROAD CLOSURES - CONSULT WITH CITY OF LITTLE ROCK FOR ROAD CLOSURE TIMING AND DURATION.



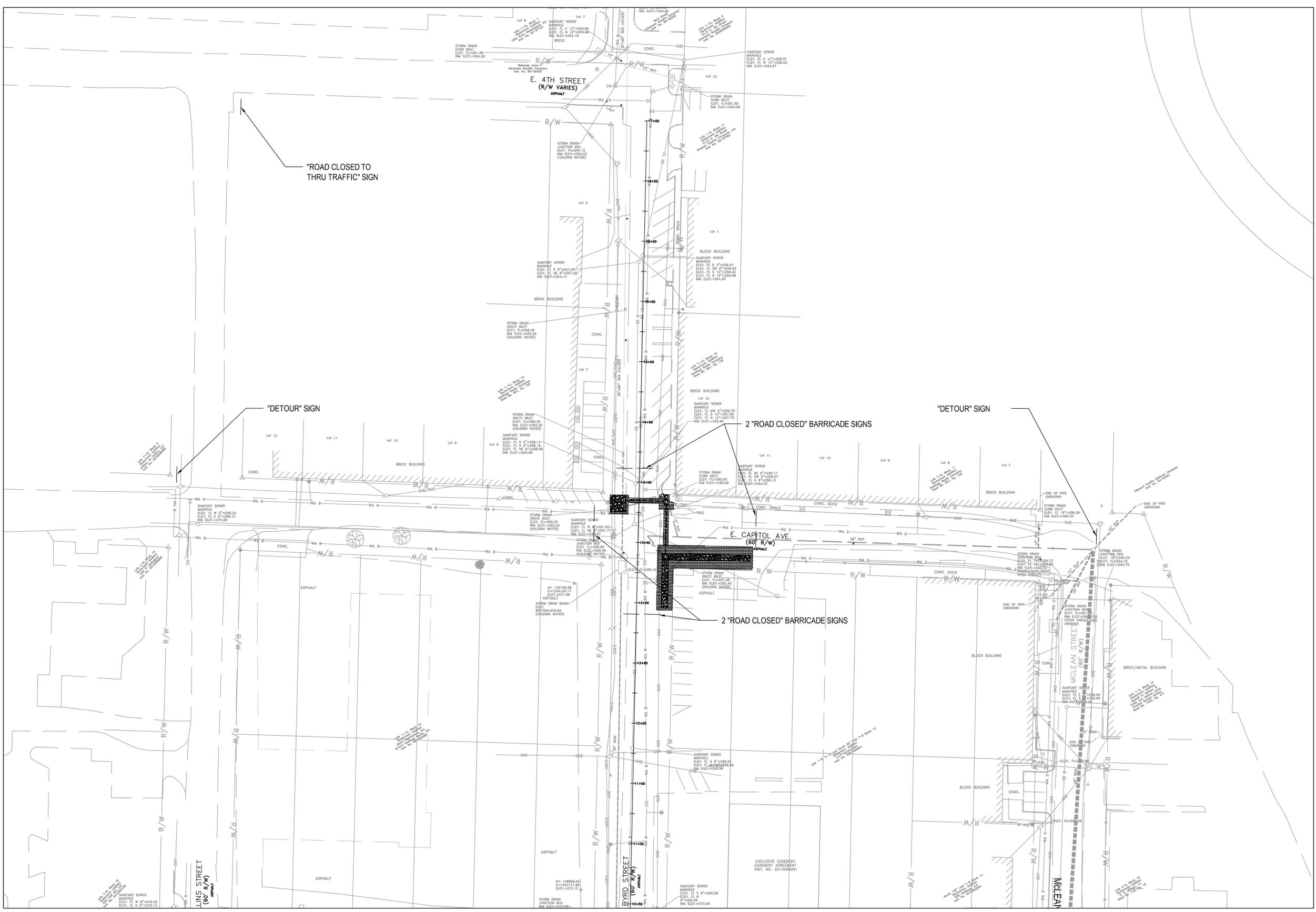
REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 WARD 1 01-16-DR-10 6th STREET DRAINAGE  
 BYRD STREET MAINTENANCE OF TRAFFIC

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

STATE OF ARKANSAS  
 REGISTERED PROFESSIONAL ENGINEER  
 No. 10660  
 MICHAEL TARINI  
 10/08/2019

DRAWN BY  
 MJT  
 DESIGNED  
 MJT  
 CHECKED  
 CGW  
 DATE  
 10-08-2019  
 SCALE  
 20 SCALE  
 PROJECT NO.  
 CLR #17201  
 SHEET NO.  
 C7



- NOTE:
- REFERENCE ARDOT STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION STANDARD DRAWING TC-1 FOR NOTES AND DETAILS.
  - USE TYPE III BARRICADE FOR "ROAD CLOSED" SIGNS.
  - MOUNT DETOUR SIGNS TO BARRICADE WHEN "ROAD CLOSED" AND "DETOUR" SIGNS ARE SHOWN TOGETHER.
  - "ROAD CLOSED" - USE RII-2
  - "DETOUR" - USE M4-10 LEFT AND RIGHT
  - "ROAD CLOSED TO THRU TRAFFIC" - USE RII-4
  - SEE SHEET C6 FOR SIGNS THAT ARE TO REMAIN DURING BYRD STREET CLOSURE.

