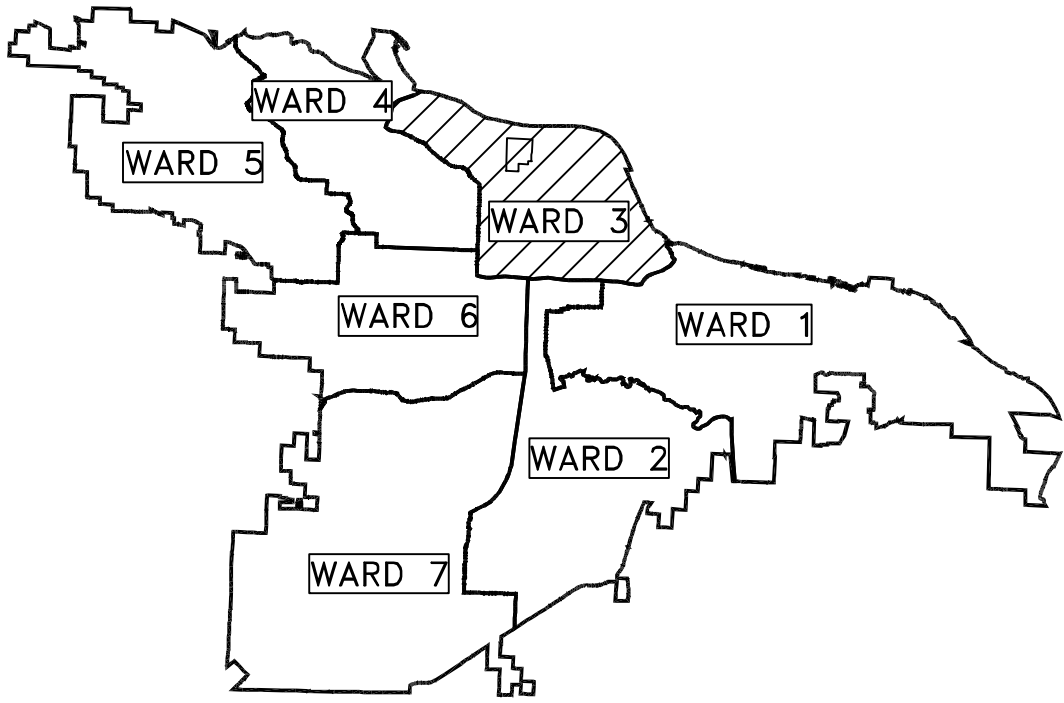
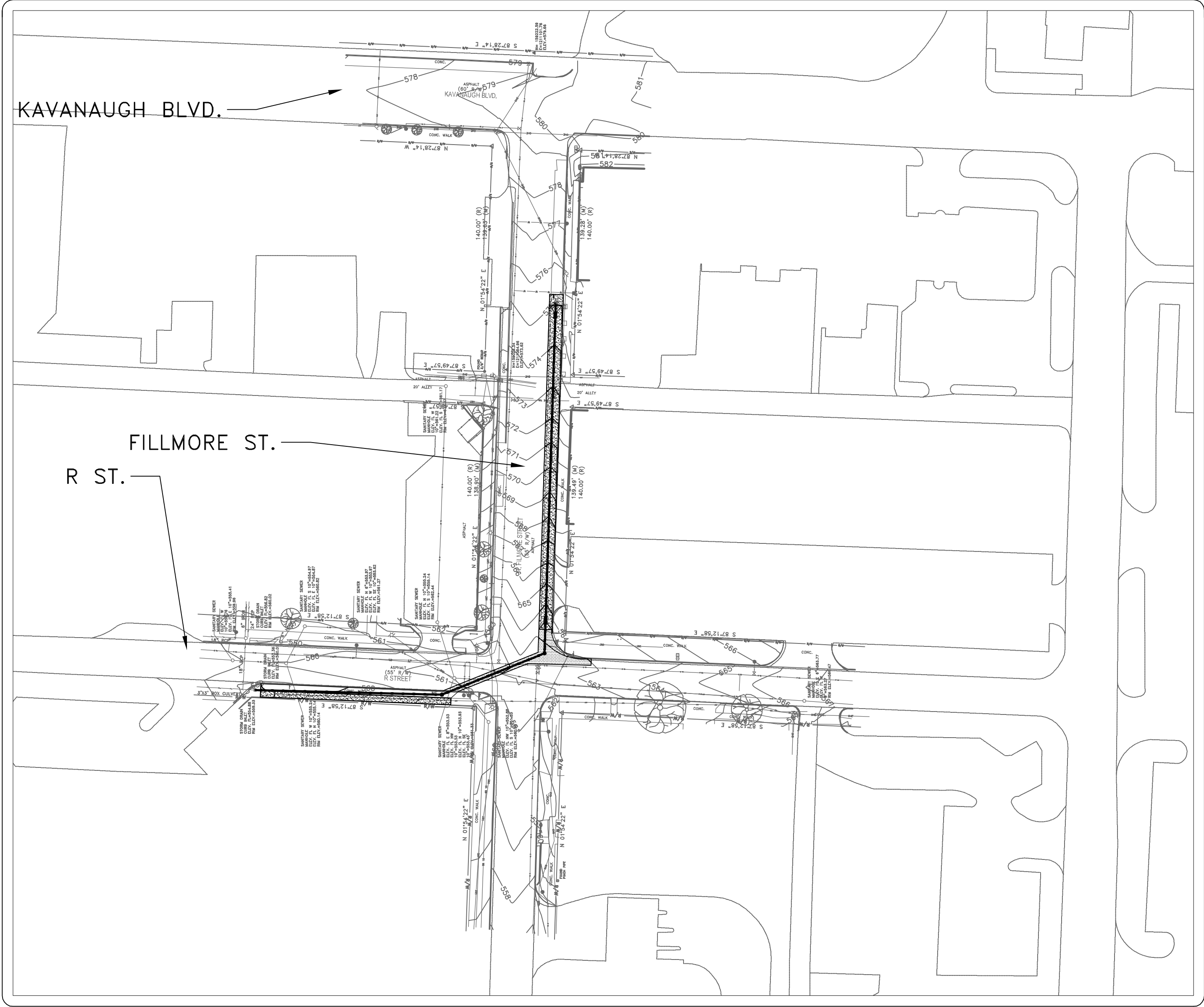


CLR PROJECT 03-22-DR-07

WARD 3

R STREET AT FILLMORE STREET DRAINAGE



PROJECT LOCATION – WARD 3
34°46'09.25"N 92°20'13.43"W
34.7692–92.3371

SHEET NO.	TITLE
C1	COVER SHEET
C2	LEGEND AND DETAIL SHEET
C3	PLAN AND PROFILE
C4	EROSION CONTROL PLAN
C5	TRAFFIC CONTROL PLAN



2023-2025
BOND PROGRAM

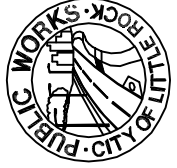
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 WEST MARKHAM STREET
LITTLE ROCK, ARKANSAS 72201



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

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
WARD 3 03-22-DR-07 R STREET AT
FILLMORE STREET DRAINAGE
COVER SHEET



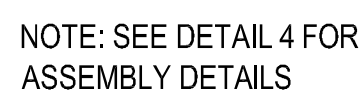
DEPARTMENT OF PUBLIC WORKS
CIVIL ENGINEERING
701 W. MARKHAM
LITTLE ROCK, ARKANSAS 72201



15% SUBMITTAL

DRAWN BY MJT
DESIGNED MJT
CHECKED CGW
DATE 10-30-2023
SCALE N.T.S.
PROJECT NO. ##
SHEET NO. C1

The diagram is a plan view of a proposed road improvement project. It shows a cross-section of a road with various features labeled on both sides. The left side is labeled 'EXISTING' and the right side is labeled 'PROPOSED'. The road itself is shown with a centerline and a proposed curb and gutter. The existing features on the left include an iron rod, PK nail, R.R. spike, conc. monument, water valve, water meter, fire hydrant, gas meter, gas valve, sign post, storm sewer manhole, sanitary sewer manhole, telephone box, electric box, utility pole, guy wire, light pole, curb, fence, overhead electric, underground telephone, underground electric, underground cable, water line, sewer line, gas line, storm sewer/culvert, and contour line. The proposed features on the right include a proposed contour, proposed spot elevation, storm sewer - pipe, storm sewer - grate inlet, storm sewer - junction box, proposed integral curb, proposed concrete, proposed asphalt, sediment barrier - block, silt fence - type C, and disturbed area stabilization - permanent grassing. The diagram also shows a 24" CMP/RCP/DIP pipe with a 5' diameter, a 6" native soil, and a 4" gas line. The road width is indicated as 650'.



The diagram illustrates the assembly of a Duraslot stormwater inlet. It shows the following components and their assembly sequence:

- A. DURASLOT End Cap**: A semi-circular cap that fits onto the end of the pipe.
- B. DURASLOT Pipe**: The main horizontal pipe with vertical slots.
- C. DURASLOT Adapter**: A ring that fits around the pipe to connect it to the storm pipe.
- D. ADS N-12 HDPE or HP Storm Pipe**: The vertical pipe that the inlet connects to.
- E. DURASLOT Coupler Band**: A band used to join two sections of the Duraslot pipe.
- F. DURASLOT End Plate**: A rectangular plate that covers the end of the pipe.
- G. GALVANIZED DTEEL GRATING (Provided by ADS)**: A rectangular grate that sits on top of the end plate.
- H. Hex Head Assembly Kit**: Includes a hex head screw and a hex nut, used to secure the end plate and grating.
- I. (2) Washers & $\frac{5}{16}$ " Hex Nut**: Used to secure the end plate and grating.

NOTE: - Slot height may vary per project
- Each Cap (A) & Adapter (C) comes with an End Plate (F).

NOTE:
DETAILS ARE PULLED FROM ADVANCED DRAINAGE SYSTEM,
INC (ADS) WEBSITE - USED AS BASIS OF DESIGN - SUBMIT
PROPOSED ALTERNATIVE PRIOR TO CONSTRUCTION

CITY OF LITTLE ROCK PUBLIC WORKS DETAIL PW-13

FINISH GRADE

NOTE: MANHOLES MAY BE CONSTRUCTED OF PRECAST REINFORCED CONC. OR POURED-IN-PLACE CONCRETE.

12" MAX.

24" MIN. 36" MAX.

2'-3" MAX. TO TOP STEP

2'-0"

4'-0"

6" MIN. WALL

FINISH INVERT

INV. ELEV. @ 1' MH

M.H. STEPS - CITY OF LITTLE ROCK PUBLIC WORKS DETAIL PW-12

ALL INVERT FINISHING MORTAR SHALL BE PORTLAND CEMENT MORTAR ONLY.

VARIES

6"

D

8"

NOTES:
SLOPE AND FINISH BOTTOM OF MANHOLE TO CENTERLINE OF MANHOLE

NOTES:
SLOPE AND FINISH BOTTOM OF MANHOLE
TO CENTERLINE OF MANHOLE

(2) 1" DIA HANDLING HOLES

PUMP NO. WASTE DRAINS TO STREAM

WIDE W. OR

750000 4

1 3/8" (TYP)

1"

2 3/4"

2"

1 1/2" (TYP)

2"

3 1/2"

2"

5"

5/8"

23 1/8"

7/8"

1"

20 1/2"

20 15/16"

23 1/2"

30"

FRAME SECTION

GRATE SECTION

39 1/2"

1 1/2" (TYP)

8 3/16" (TYP)

1 1/4" (TYP)

GRATE SECTION

40"

5/8"

37 9/16"

40"

45 1/2"

FRAME SECTION

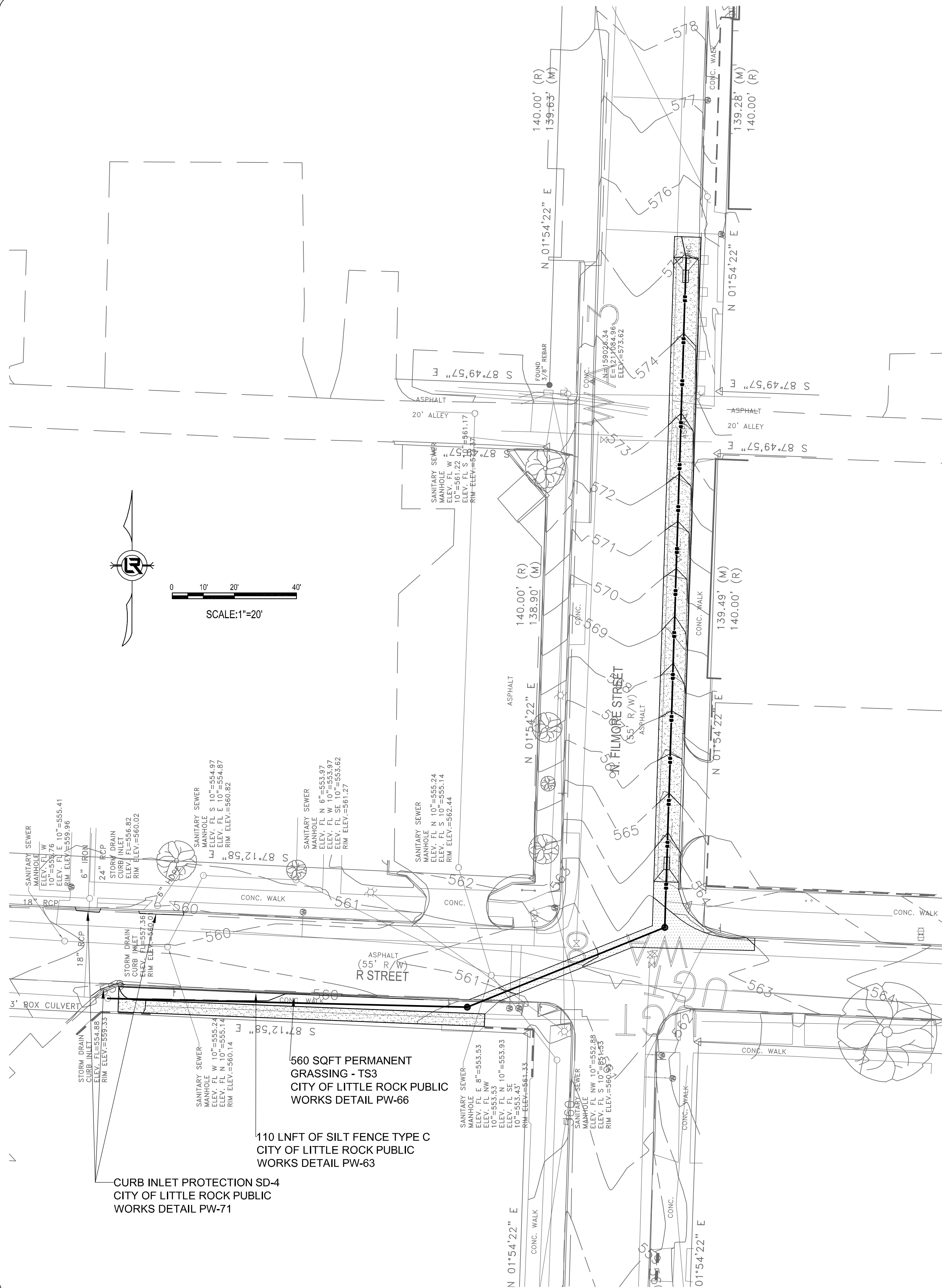
NOTE:
DETAILS ARE PULLED FROM
EAST JORDAN IRON WORKS
WEBSITE - USED AS BASIS
OF DESIGN - SUBMIT
PROPOSED ALTERNATIVE
PRIOR TO CONSTRUCTION

**NOTE:
DETAILS ARE PULLED FROM
EAST JORDAN IRON WORKS
WEBSITE - USED AS BASIS
OF DESIGN - SUBMIT
PROPOSED ALTERNATIVE
PRIOR TO CONSTRUCTION**

Diagram illustrating the cross-section of a stormwater catch basin structure, showing the following components and materials:

- EXISTING ASPHALT**: The surface layer on the left side.
- EXPANSION JOINT - TYP.**: A joint separating the existing asphalt from the concrete pavement.
- 8" CONCRETE PAVEMENT**: The top layer of the catch basin structure.
- 0'-6"**: Dimension indicating the width of the concrete pavement section.
- INTEGRAL CURB - SIMILAR TO CITY OF LITTLE ROCK PUBLIC DETAILS - PW29**: The curb structure on the right side.
- BASE MATERIAL (ARDOT CLASS 7)**: The material layer directly beneath the concrete pavement.
- 4000 PSI COMPRESSIVE STRENGTH CONCRETE**: The main body of the catch basin structure.
- 18" ADS HPSTORM**: The stormwater inlet pipe.
- STABLE, UNDISTURBED EARTH OR COMPACTED FILL**: The material surrounding the catch basin structure.
- 6" BASE MATERIAL (ARDOT CLASS 7)**: The material layer beneath the main concrete structure.
- 6" MIN.**: Dimension indicating the minimum thickness of the base material layer.

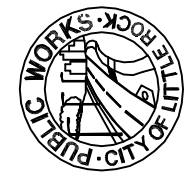
C2



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
WARD 3 03-22-DR-07 R STREET AT
FILLMORE STREET DRAINAGE

EROSION CONTROL PLAN

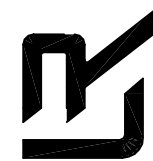


DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

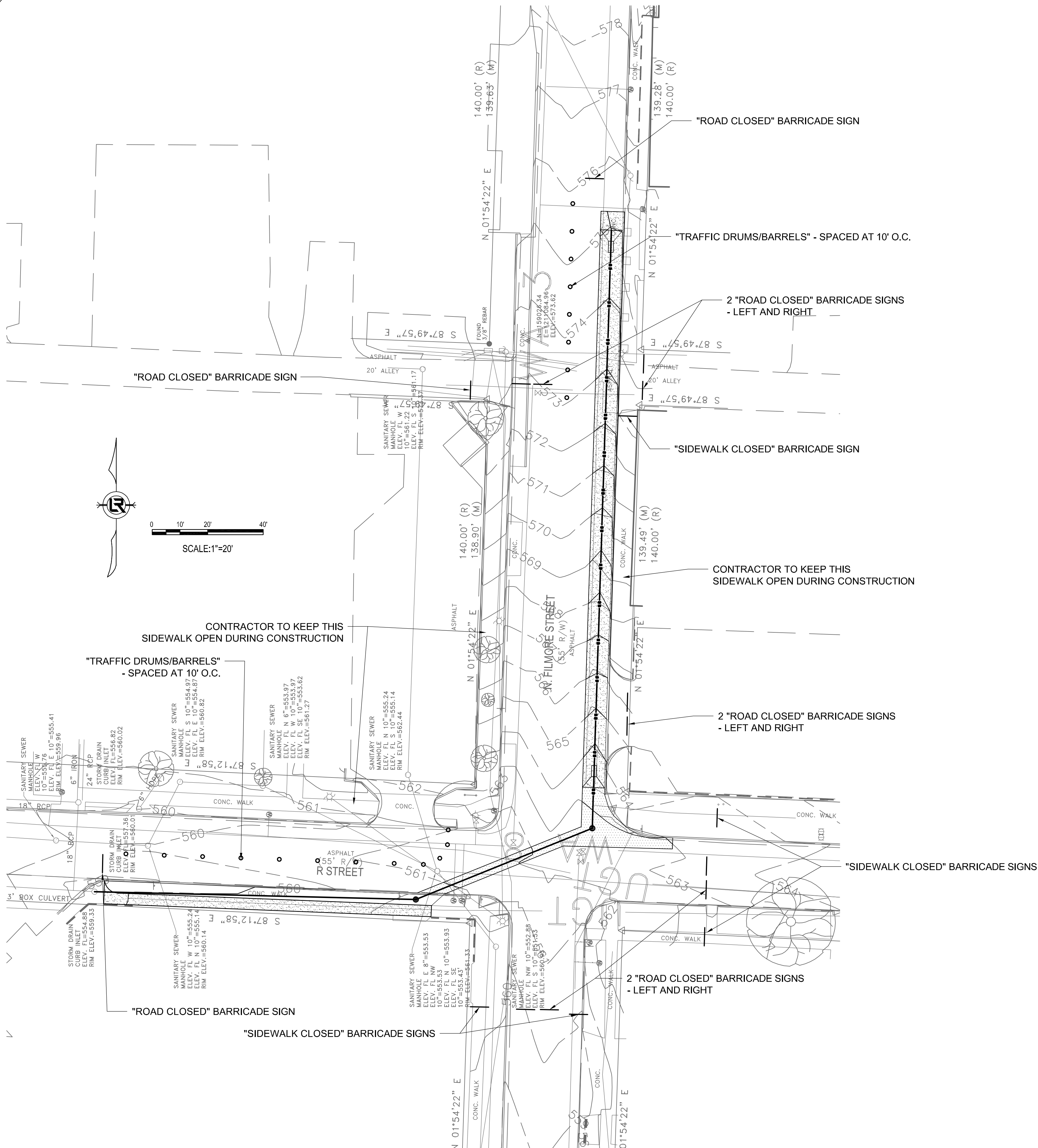
LITTLE ROCK, ARKANSAS 72201



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DRAWN BY
MJT
DESIGNED
MJT
CHECKED
CGW
DATE
10-30-2023
SCALE
20 SCALE
PROJECT NO.
CLR #

SHEET NO.
C4

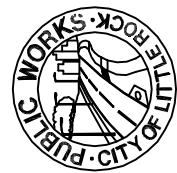


- NOTE:
1. REFERENCE ARDOT STANDARD TRAFFIC CONTROLS FOR HIGHWAY CONSTRUCTION STANDARD DRAWING TC-1 FOR NOTES AND DETAILS.
 2. USE TYPE III BARRICADE FOR "ROAD CLOSED" SIGNS.
 3. MOUNT SIGNS TO BARRICADE.
 4. "ROAD CLOSED" - USE RII-2
 5. MINIMIZE ROAD CLOSURES - CONSULT WITH CITY OF LITTLE ROCK FOR ROAD CLOSURE TIMING AND DURATION.

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS
WARD 3 03-22-DR-07 R STREET AT
FILLMORE STREET DRAINAGE

TRAFFIC CONTROL PLAN



DEPARTMENT OF PUBLIC WORKS

CIVIL ENGINEERING

701 W. MARKHAM

LITTLE ROCK, ARKANSAS 72201



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20 SCALE
PROJECT NO.
CLR #

SHEET NO.
C5