CLR PROJECT 03-17-DR-107
WEST 4TH STREET DRAINAGE AND STREET IMPROVEMENTS
SOUTH VALENTINE STREET TO WEST CAPITOL AVENUE
<table>
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WEST 4TH STREET DRAINAGE AND STREET IMPROVEMENTS

SPECIAL DETAILS

REVERSE THROAT Curb Inlet

SECTION A-A

REVERSE THROAT EXTENSION DETAIL

NOTE:
1. All exposed corners shall have 3/4" chamfer.
2. All reinforcing bars shall be Grade 60.
3. All work shall comply with the City of Little Rock contract documents and specifications.

6'-0" EXTENSION

SECTION B-B

N.T.S.

MJM

RCC

RCC

D-10-2019

03-17-DR-107
Curb Inlet Connection to Box Detail
CI-2, CI-3, CI-4, CI-5

Joint Detail for Curb Inlet Connection to Box Culvert

Section B-B

Note: All reinforcing to be placed 1-1/2" clear to the inside of structure.
WEST 4TH STREET DRAINAGE AND STREET IMPROVEMENTS

**PLAN VIEW**

- Existing 10' x 3' Masonry Box Culvert
- Concrete Collar

**ELEVATION**

- Showing dimensions and collar reinforcement

**SECTION A-A**

- Section showing dimensions including:
  - 4' @ 12" TYP. (U.N.O.)
  - 6" @ 6" O.C.
  - 8" @ 6" O.C.

**SECTION C-C**

- Section showing:
  - 5' Dowel Bars 6" O.C.
  - Alternate spacing with 4" O.C.
  - Bend in field staggered dowel bars
to allow 7" clearance to #4 bars
  
- Special Details:
  - AMW
  - WMM
  - RCC

**SPECIAL DETAILS**

- N.T.S

**REVISIONS**

- Drawing Date: 12-10-2019
- Project Number: 03-17-DR-107

**DESIGNED WITH**

- W.M. Womack & Mar

**CHECKED**

- W.M. Womack & Mar

**DRAWN BY**

- W.M. Womack & Mar

**SHEET NO.**

- C10
GENERAL NOTES:

1. ALL CONSTRUCTION AND MATERIAL REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE CITY OF LITTLE ROCK CONTRACT CONDITIONS AND SPECIFICATIONS.

2. CONCRETE CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CORNERS TO BE CEMENTED 8" ALL CONCRETE SHALL BE CLASS 5 WITH A MINIMUM 28 DAY COMPRRESSIVE STRENGTH FC=3,500 PSI.

3. REINFORCING STEEL ALL REINFORCING STEEL SHALL CONFORM TO AMERICAN W331 OR W35, Grade 60 and have a 2" MINIMUM CLEARANCE unless otherwise noted on plans.

4. REINFORCING STEEL IN BOTTOM SLAB SHALL BE SUPPORTED ON BAR CLEATS, CLEATS SHALL BE SUPPORTED ON SPACED PLANKS OR CLASS C CONCRETE STRIPS SPACED AT 4.0 FOOT CENTERS. THE TOP CEN AMW SUPPORTS SHALL BE AT THE ELEVATION OF THE BOTTOM OF THE FOUNDATION.

5. REINFORCING STEEL IN THE TOP SLAB SHALL BE SUPPORTED ON SLAB SPACERS.

6. REINFORCING STEEL IN THE WALLS SHALL BE HELD IN PLACE BY WELD, CLEATS, MAXIMUM SPACING OF CLEATS SHALL BE ON 6.0 FOOT CENTERS.

7. COST OF METAL CLEATS,WOOD PLANKS OR CONCRETE STRIPS SHALL BE INCLUDED ON OTHER SHEETS OF WORK.

8. EXCAVATION AND BACKFILL REQUIRED TO CONSTRUCT THE BOX CULVERT SHALL NOT BE MEASURED FOR SEPARATE PAYMENT, BUT WILL BE CONSIDERED SUBGRADE WORK REFERING TO THE CONSTRUCTION OF THE BOX CULVERT.
**GENERAL NOTES:**

1. CONCRETE CONCRETE SHALL BE POURED IN THE DRY AND ALL EXPOSED CONCRETE TO BE CHAMPAGNE IF. ALL CONCRETE SHALL BE CLASS 5 WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH Fc=1,000 PSI.

2. REINFORCING STEEL ALL REINFORCING STEEL SHALL CONFORM TO AASHTO M31 OR MAN. GRACE 60 AND HAVE A 2" MINIMUM CLEARANCE UNLESS OTHERWISE NOTED ON PLANS.

3. REINFORCING STEEL IN WET SLAB SHALL BE SUPPORTED ON BAR CHAIRS. CHAIRS SHALL BE SUPPORTED ON PLAIN PLANKS OR CLASS C CONCRETE STRIPS STABILIZED AT 4.0 FOOT CENTERS. THE TOP CHAIR SUPPORT SHALL BE AT THE ELEVATION OF THE BOTTOM OF THE FOOTING.

4. REINFORCING STEEL IN THE TOP SLAB SHALL BE SUPPORTED ON SLAB SPACERS.

5. REINFORCING STEEL IN THE WALLS SHALL BE HELD IN PLACE BY METAL CHAIRS. MAXIMUM SPACING OF CHAIRS SHALL BE 4.0 FOOT CENTERS.

6. COST OF METAL CHAIRS, WOOD PLANKS OR CONCRETE STRIPS SHALL BE INCLUDED ON OTHER ITEMS OF WORK.

7. EXCAVATION AND BACKFILL REQUIRED TO COMPLETE THE BOX CULVERT WILL NOT BE MEASURED FOR SEPARATE PAYMENT, BUT WILL BE CONSIDERED GENERAL WORK PERTAINING TO THE CONSTRUCTION OF THE BOX CULVERT.
WEST 4TH STREET DRAINAGE AND STREET IMPROVEMENTS

GENERAL NOTES:

1. CONCRETE CHANNEL SHALL BE Poured IN THE DRY AND ALL EXPOSED SURFACES TO BE CONCRETE 2. ALL CONCRETE SHALL BE CLASS 5 WITH A MINIMUM 28 DAY COMPRESSIVE STRENGTH Fc 3000 PSI.

2. REINFORCEMENT STEEL ALL REINFORCING STEEL SHALL CONFORM TO ADOPTED STANDARD 3. COMPLETE BARS ON THE INSIDE AND OUTSIDE FACE OF THE CONCRETE CHANNEL WALL SHALL BE DISCONNECTED.

3. GAP LENGTH FOR #4 BARS SHALL BE 1/4" MINIMUM.

4. THE WALL TO BE CONSTRUCTED FULL HEIGHT AT THE INLET END OF THE CONCRETE CHANNEL AND TO BE PROPORTIONAL.

5. ALL EXCAVATION REQUIRED FOR SURFACING/MUCKING SHALL BE PAID FOR PER THE UNIT PRICE SCHEDULED FOR "UNCATEGORIZED EXCAVATION". ALL BACKFILL FOR SURFACING/MUCKING SHALL BE PAID FOR PER THE UNIT PRICE SCHEDULED FOR "STONE BACKFILL". STONE BACKFILL MAY BE "STONE" OR "C" BACKFILL.

6. ALL ROCK EXCAVATION WILL BE PAID FOR PER THE UNIT PRICE SCHEDULED FOR "UNCATEGORIZED EXCAVATION".

7. SUMMARY SHEET FOR COMMENTS, CORRECTIONS AND CLARIFICATIONS.

8. SECTION A-A:

TOE WALL AT INLET OF CONCRETE CHANNEL

SECTION A-A

9. SUMMARY SHEET FOR COMMENTS, CORRECTIONS AND CLARIFICATIONS.
CONSTRUCT 17" WIDE GRAVEL ROADWAY AS REQUIRED TO MAINTAIN RESIDENTIAL ACCESS.

BASECIL AS REQUIRED PER ABDOT STANDARDS SHEET 64-96.

NOTE:
Permit issue for maintenance of drainage area not used within the permanent highway right of way. Box Culvert shall be considered subdrainage to the ramp. Sun pipe LR for maintenance of right of way.

DETAIL A

TYPICAL MAINTENANCE OF RESIDENTIAL ACCESS DETAIL

GRAVEL DRIVE 1
CONSTRUCT GRAVEL DRIVE 1.
PREV TO EXCAVATION
FRONT OF EXISTING EMBANKMENT

GRAVEL DRIVE 2
CONSTRUCT GRAVEL DRIVE 2.
PREV TO CLOSING ACCESS TO GRAVEL DRIVE 1.
CITY OF LITTLE ROCK, ARKANSAS
WEST 4TH STREET DRAINAGE AND STREET IMPROVEMENTS

STA. 10+87.94 RT.
STA. 12+48.22 RT.
STA. 13+08.60 LT.
STA. 13+59.85 RT.
STA. 52+43.00 RT.
STA. 101+96.00 RT.

REVISIONS DATE

DRIVEWAY DETAILS

DRAWN BY

DESIGNED BY

DRAWN:

SHEET NO. C28

PROJECT NO. 20-77-06-002

SCALE 1" = 20'0"

LITTLE ROCK, ARKANSAS 72201

701 W. MARKHAM

CIVIL ENGINEERING

DEPARTMENT OF PUBLIC WORKS