Ridgeland, MS 39157 p 601.790.9432

22034-03 8/10/23 **Rev Date** Addendum #1 8/10/23

C-808 Curb Ramps Detectable Warning Details

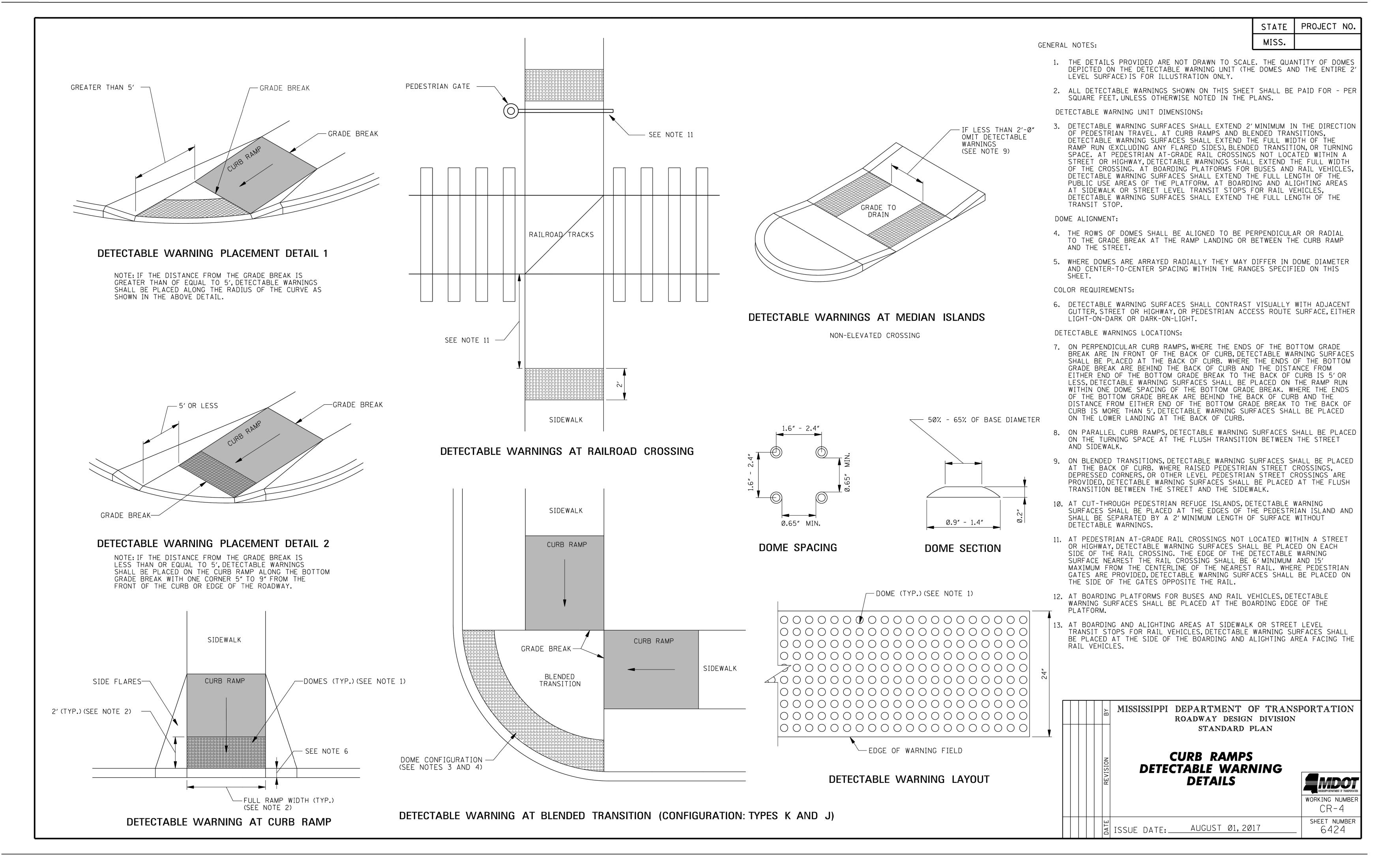


TABLE 1: BEDDING AND BACKFILL REQUIREMENTS

BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN CROSS DRAIN AND STORM DRAIN APPLICATIONS A. BEDDING SHALL BE CLASS B IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.

B. BACKFILL MATERIAL SHALL BE ONE OF THE FOLLOWING:

- 1. FLOWABLE FILL IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION LATEST EDITION.
- 2. CRUSHED STONE AGGREGATE BACKFILL IN ACCORDANCE WITH THE MISSISSIPPI STANDARD SPECIFICATIONS

FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. IF FLOWABLE FILL IS UTILIZED, CARE SHALL BE TAKEN TO PREVENT "FLOATING" OF THE PIPE.

THE COST OF FURNISHING AND PLACING THE REQUIRED BEDDING AND BACKFILL MATERIAL INDICATED IN A AND B SHALL BE INCLUDED IN THE UNIT COST OF THE NON-RIGID PIPE ALTERNATE, I.E., THERE IS NO SEPARATE PAY ITEM FOR NON-RIGID PIPE BEDDING AND BACKFILL MATERIAL.

BEDDING AND BACKFILL REQUIREMENTS FOR NON-RIGID PIPE IN SIDE DRAIN APPLICATIONS

- A. BEDDING SHALL BE CLASS C IN ACCORDANCE WITH THE MISSISSIPPI SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- B. BACKFILL MATERIAL SHALL BE IN ACCORDANCE WITH THE MISSISSIPPI SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION. PIPES THAT SERVE AS A SIDE DRAIN ON DEPARTMENT RIGHT OF WAY, BUT CARRY DRAINAGE UNDER A COUNTY OR LOCAL ROAD SHALL ADHERE TO THE BEDDING AND BACKFILL REQUIREMENTS FOR A
- CROSS DRAIN CONTAINED ABOVE. THE COST OF FURNISHING AND PLACING THE REQUIRED BEDDING AND BACKFILL MATERIAL INDICATED IN A AND B SHALL BE INCLUDED IN THE UNIT COST OF THE NON-RIGID ALTERNATE PIPE, I.E., THERE IS NO SEPARATE PAY ITEM FOR NON-RIGID BEDDING AND BACKFILL MATERIAL.

TABLE 2: HIGH DENSITY CORRIGATED POLYETHYLENE PIPE HEIGHT OF COVER

| 22077 07 00 00 00 | | | | | | |
|-------------------|-------------------------------|-------------|---------------------|--|--|--|
| NOMINAL DIAMETER | INAL DIAMETER MINIMUM COVER | | MAXIMUM COVER - FT. | | | |
| IN. | IN. | CROSS DRAIN | SIDE DRAIN | | | |
| 12 | 12 | 38 | 11 | | | |
| 15 | 12 | 36 | 12 | | | |
| 18 | 12 | 35 | 11 | | | |
| 24 | 12 | 30 | 1Ø | | | |
| 3Ø | 12 | 25 | 9 | | | |
| 36 | 21 | 29 | 10 | | | |
| 42 | 21 | 27 | 9 | | | |
| 48 | 21 | 25 | 8 | | | |
| | | | | | | |

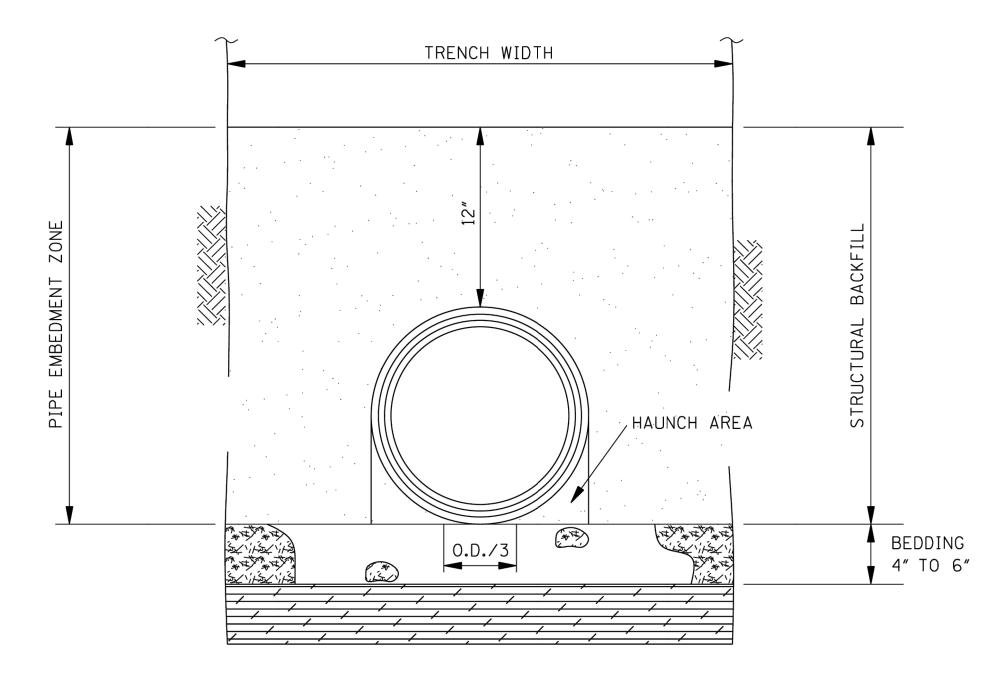
| TABLE 3: RECO | MMENDED TREN | CH WIDTH |
|---------------|--------------|------------|
| DIAMETER | O.D. | TRENCH WID |

| DIAMETER | 0.D. | TRENCH WIDT |
|----------|-------|-------------|
| IN. | IN. | IN. |
| 12 | 14.45 | 34 |
| 15 | 17.57 | 38 |
| 18 | 21.20 | 44 |
| 24 | 27.80 | 54 |
| 30 | 35.10 | 65 |
| 36 | 41.70 | 75 |
| 42 | 47.7Ø | 84 |
| 48 | 53.60 | 92 |

THE TRENCH WIDTH MUST BE WIDE ENOUGH TO ACCOMODATE COMPATION EQUIPMENT

TABLE 4: MULTIPLE INSTALLATION OF POLYETHYLENE PIPES

| | DIAMETER OF PIPE IN. | CLEAR DISTANCE BETWEEN PIPES FTIN. |
|----|-------------------------|--|
| | 18 | 1'-2" |
| | 24 | 1'-5" |
| | 30 | 1'-8" |
| | 36 | 1'-11" |
| | 42 | 2'-2" |
| 48 | | 2′-5″ |



TRENCH CROSS SECTION SHOWING TERMINOLOGY

GENERAL NOTES:

1. MATERIALS THERMOPLASTIC PIPE

POLYETHYLENE PIPE SHALL CONFORM TO THE REQUIREMENTS OF AASHTO M 294, LATEST EDITION. DESIGNATION OF TYPE: TYPE S: THIS PIPE WILL HAVE A FULL CIRCULAR CROSS SECTION WITH AN OUTER

CORRUGATED PIPE WALL AND A SMOOTH INNER LINER.

BEDDING MATERIAL AND STRUCTURAL BACKFILL BEDDING MATERIAL AND STRUCTURAL BACKFILL SHALL MEET THE REQUIREMENTS OF TABLE 1

2. JOINTS JOINTS FOR THERMOPLASTIC PIPE SHALL MEET THE PERFORMANCE REQUIREMENTS OF SOILTIGHTNESS UNLESS

- WATERTIGHTNESS IS SPECIFIED.
- SUITABLE JOINTS CAN BE OBTAINED WITH THE FOLLOWING TYPES OF CONNECTIONS: A) CORRUGATED BANDS (WITH OR WITHOUT GASKETS)
- B) BELL AND SPIGOT PIPE ENDS (WITH OF WITHOUT GASKETS)
- C) DOUBLE BELL COUPLINGS (WITH OR WITHOUT GASKETS)
- 3. INSTALLATION

MINIMUM TRENCH WIDTHS SHALL MEET THE REQUIREMENTS OF TABLE 3. THE MIDDLE THIRD OF THE BEDDING MATERIAL UNDER THE PIPE SHOULD BE LOOSELY PLACED, WHILE THE REMAINDER SHALL BE COMPACTED TO A MINIMUM 90% OF MAXIMUM DENSITY PER AASHTO T 99.

A MINIMUM OF 4 INCHES OF BEDDING SHALL BE PROVIDED PRIOR TO PLACEMENT OF THE PIPE. STRUCTURAL BACKFILL SHALL BE PLACED AND COMPACTED IN LAYERS NOT EXCEEDING AN 8" LOOSE LIFT THICKNESS AND BROUGHT UP EVENLY ON BOTH SIDES OF THE PIPE WITH AN ELEVATION NOT LESS THAN 12 INCHES ABOVE THE TOP OF THE PIPE. A MINIMUM COMPACTION LEVEL OF 90% STANDARD DENSITY PER AASHTO T 99

SHALL BE ACHIEVED. MINIMUM COVER REQUIREMENTS SHALL MEET THE REQUIREMENTS OF TABLE 2.

FOR MULTIPLE INSTALLATIONS OF POLYETHYLENE PIPES, A CLEAR DISTANCE BETWEEN THE PIPES SHALL MEET THE REQUIREMENTS OF TABLE 4.

4. CALCULATIONS FOR FILL DEPTHS ARE BASED ON PROPERTIES DEFINED IN AASHTO M294 AND CALCULATIONS IN AASHTO SEC. 19.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION ROADWAY DESIGN DIVISION STANDARD PLAN FLEXIBLE PIPE CULVERT INSTALLATION

WORKING NUMBER PI-2 SHEET NUMBER ISSUE DATE: AUGUST Ø1, 2017 65Ø2

> 204 West Leake Street Clinton, Mississippi 39056 p. 601.925.4444 I32 West Cherokee Street Brookhaven, Mississippi 39601 p. 60I.833.9598

AN ASSOCIATION

C-809 Flexible Pipe Culvert Installation

dalebaileyplans.com

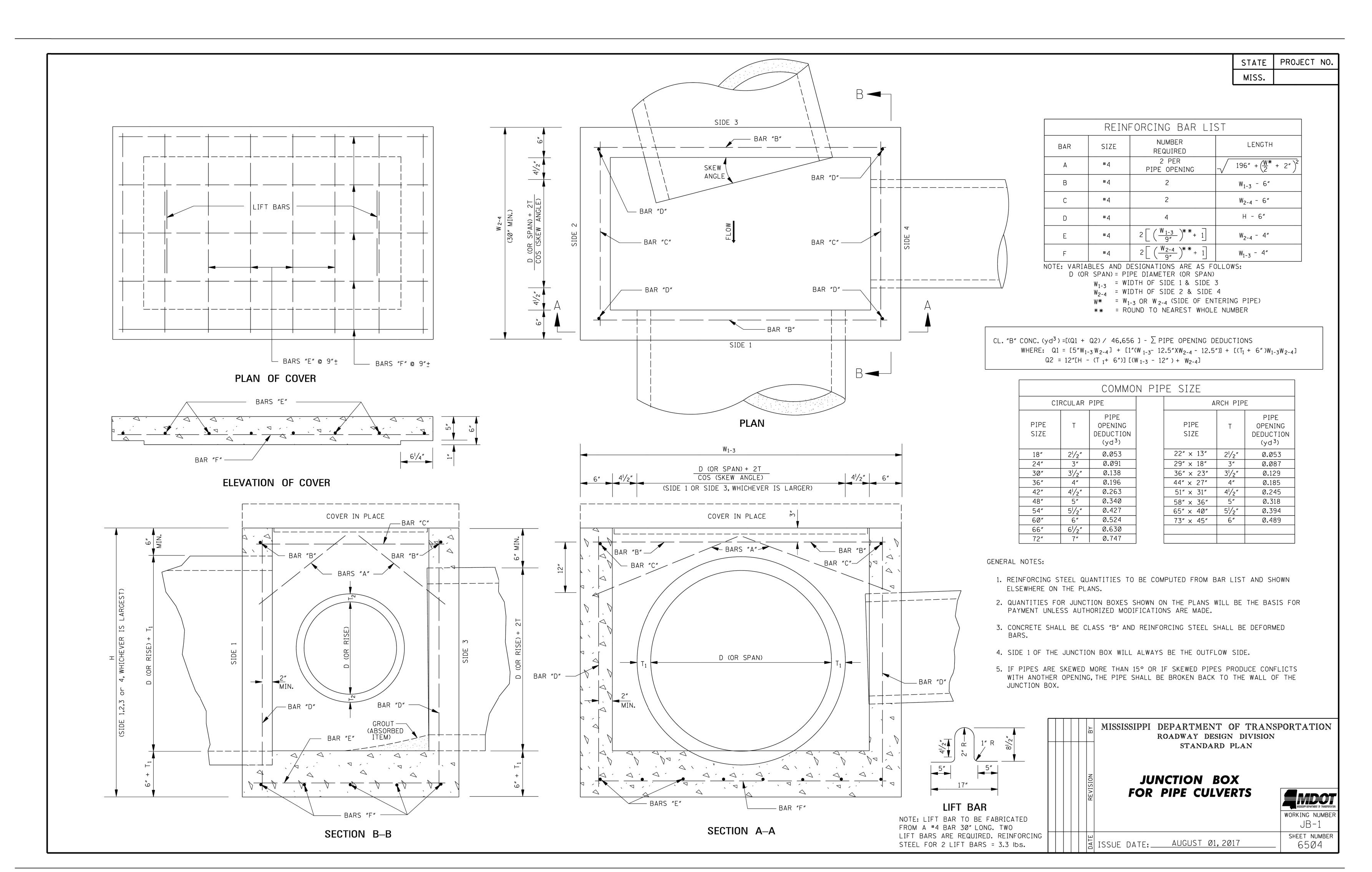
22034-03 8/10/23 Rev Date Addendum #1 8/10/23

204 West Leake Street Clinton, Mississippi 39056

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p. 60I.925.4444

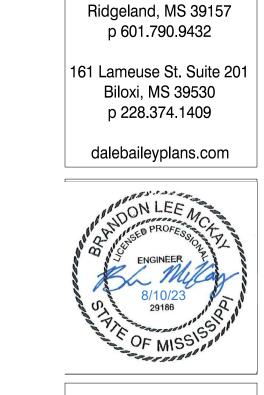
C-810 Junction Box For Pipe Culverts



Architects

One Jackson Place 250 188 East Capitol Street Jackson, MS 39201 p 601.352.5411

201 Park Court Suite B



Meridian High School aseball/Softball Re-Bid 2320 32nd St, Meridian, MS 39305

Construction

| Documents | | |
|-------------|---------|--|
| Project No | 22034-0 | |
| Date | 8/10/2 | |
| Revisions | Rev Dat | |
| Addendum #1 | 8/10/2 | |
| | | |

C-811

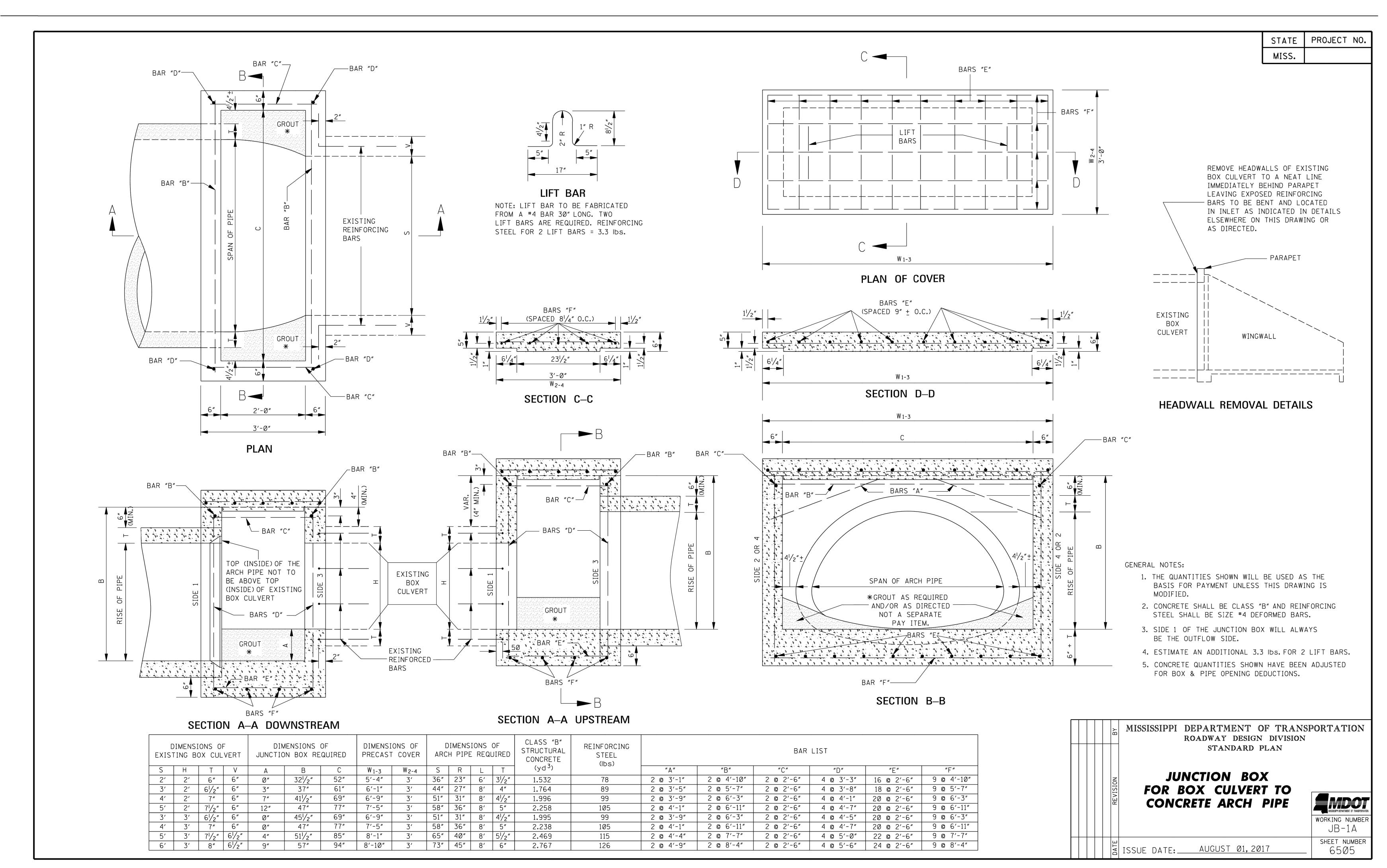
Juunction Box for Box
Culvert To Concrete Arch

Pipe

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132 West Cherokee Street Brookhaven, Mississippi 39601 p. 601.833.9598

p. 601.925.4444



Ridgeland, MS 39157

Construction Documents 22034-03 8/10/23

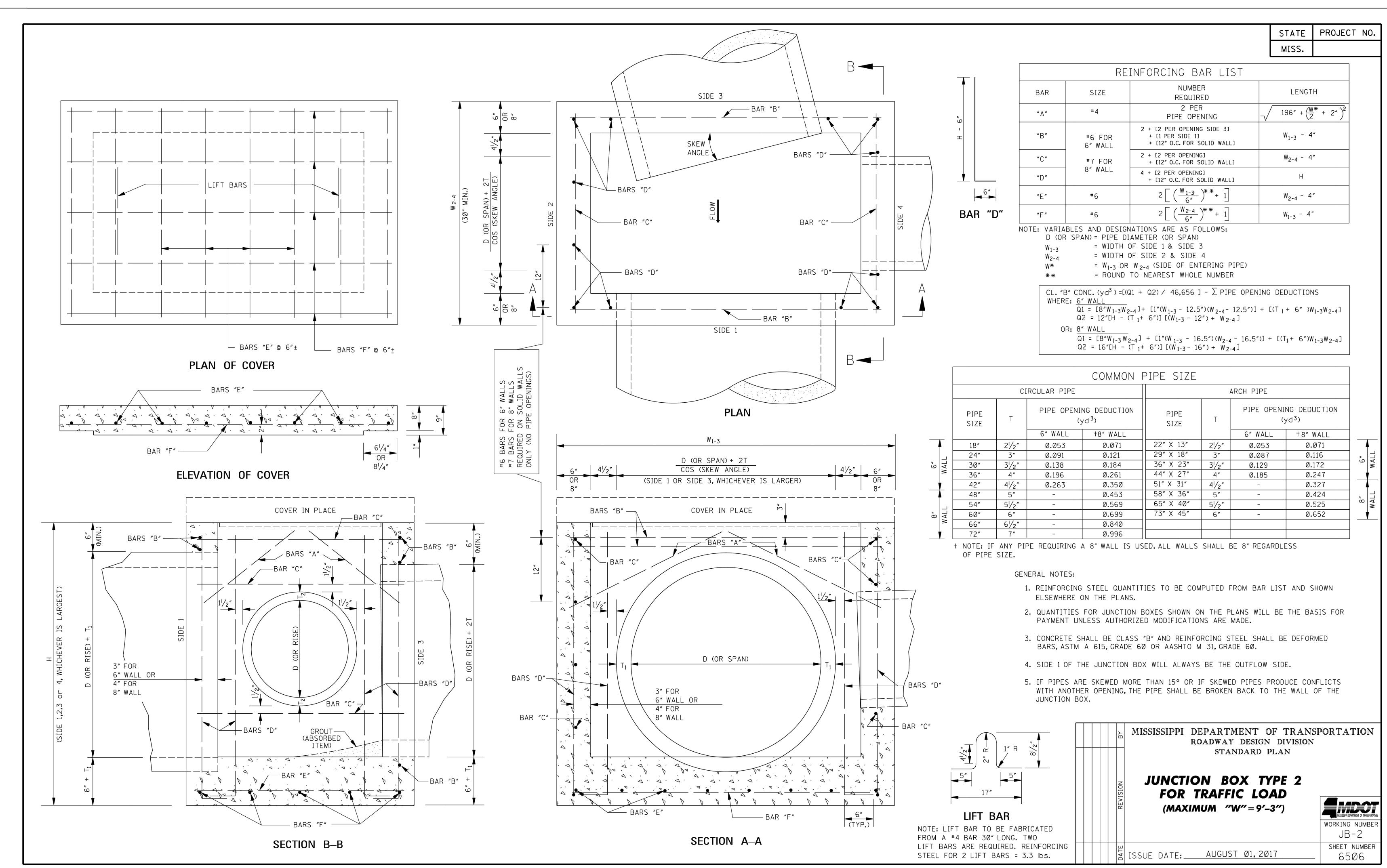
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p. 601.925.4444

C-812 Junction Box TYpe 2 for Traffic Load



One Jackson Place 250

p 228.374.1409



Construction

Documents 22034-03 8/10/23 Rev Date

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C-813

Branch Connections

