



E 900 S

7532 E 900 S

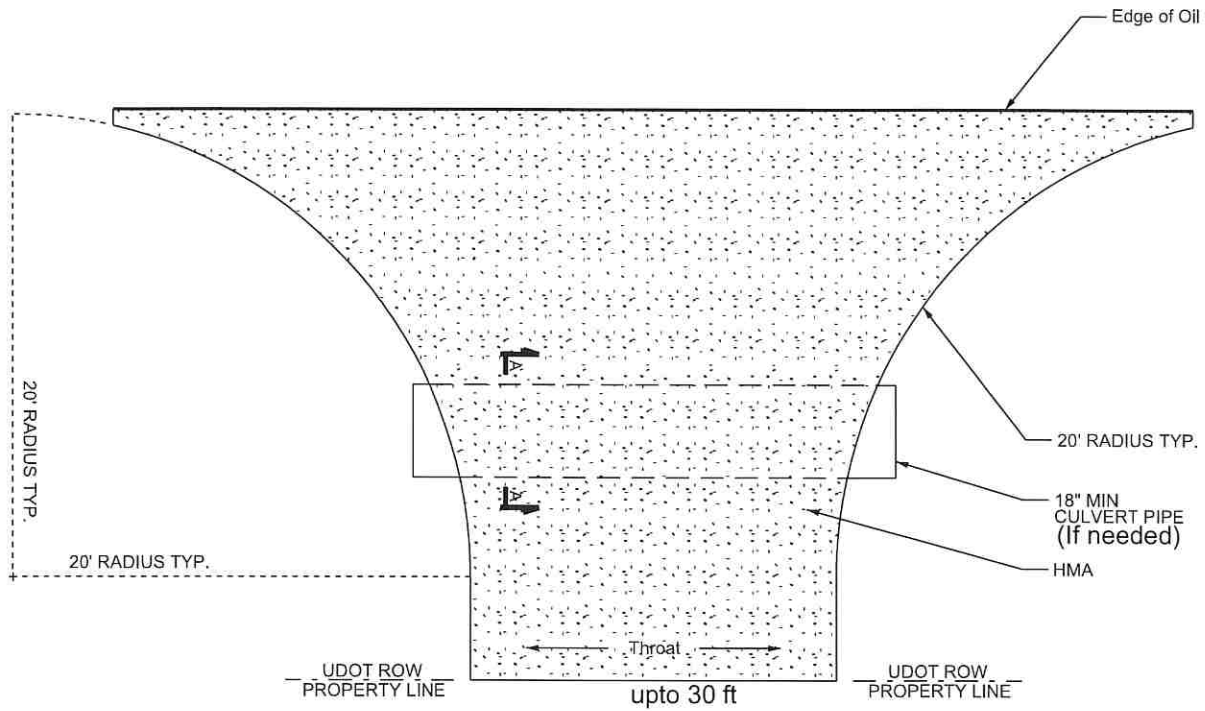
7591 E 900 S

Temporary Shared Access
Future Cross Access

Cross Access or Future Cross Access

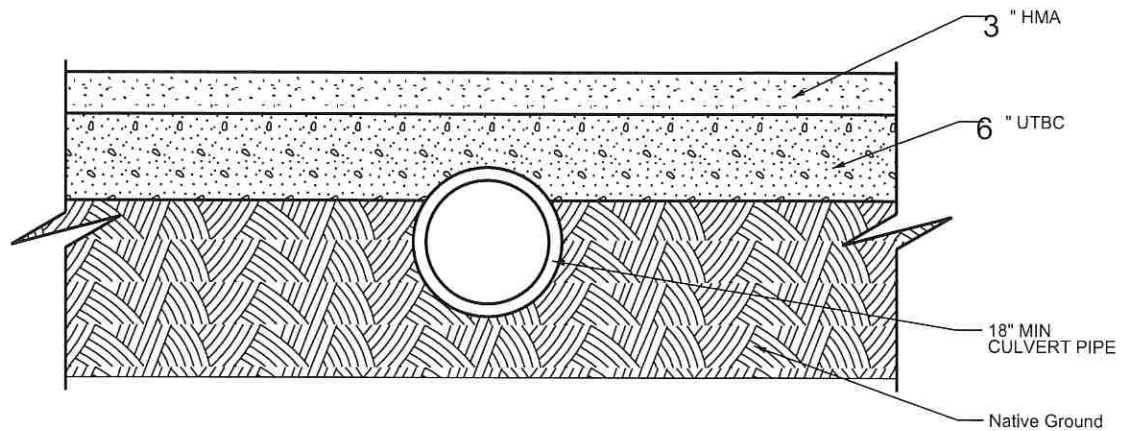
39

18.1



NOTE: End Section required where traffic is closest to the culvert to meet grading requirements.

CULVERT PIPE DETAIL



Section AA

NOTE: HMA may be substituted for rolled rotomill tailings if desired. Owner is responsible for all maintenance of the culvert and asphalt section.

NOTES:
1. PLACE CULVERT IN EXISTING FLOW LINE

DGN File: IP_PWP:d0297054\Detail_Residential_Culvert_Crossing.dgn

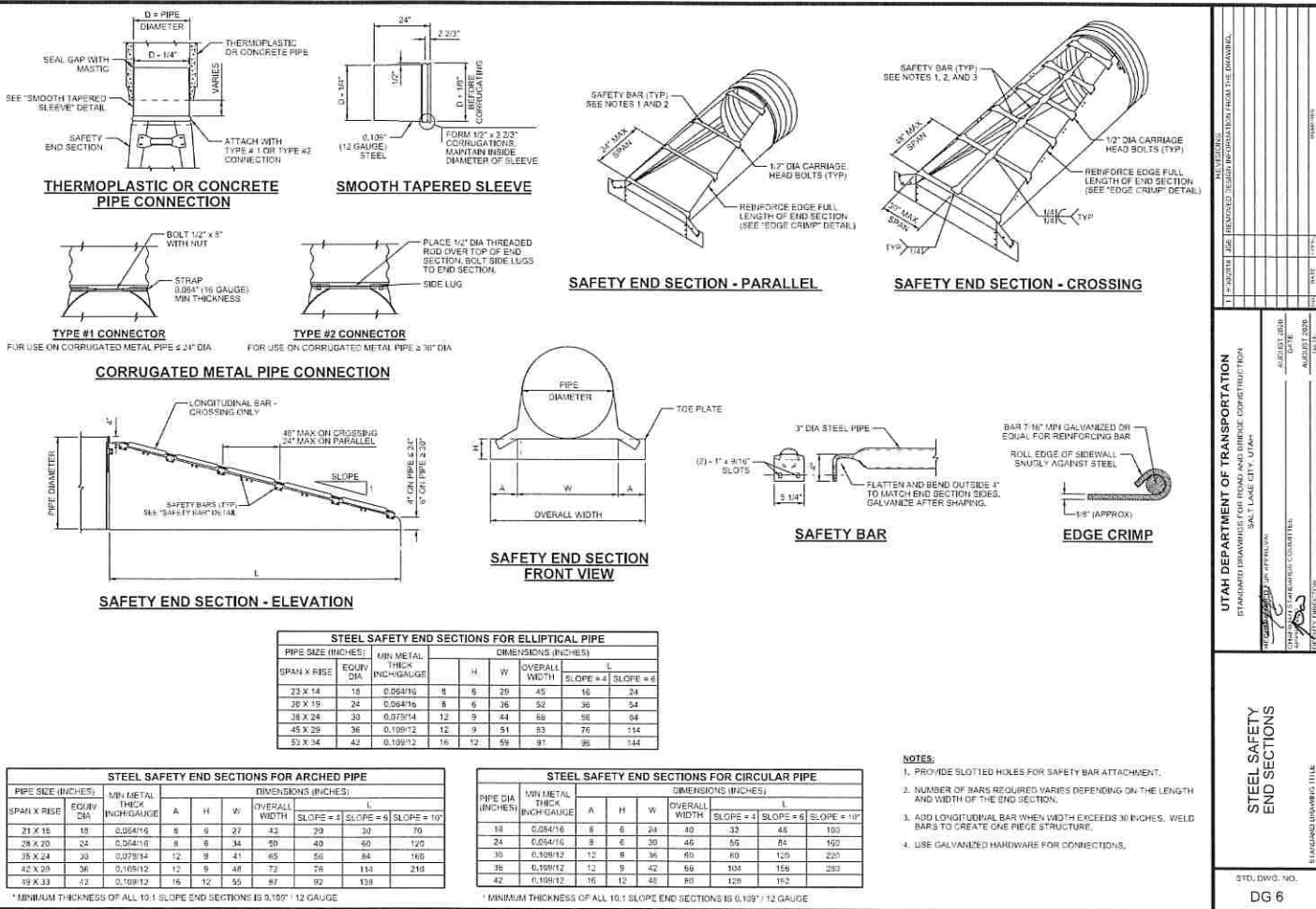
PIN:

27-SEP-2017

PIN:
PROJECT NO.

CULVERT DETAIL

SHEET NO.



STEEL SAFETY END SECTIONS FOR ELLIPTICAL PIPE

| PIPE SIZE (INCHES) | MIN METAL THICK (INCH/GAUGE) | DIMENSIONS (INCHES) | | | |
|--------------------|------------------------------|---------------------|----|----|----|
| | | A | H | W | L |
| 23 X 14 | 0.06416 | 8 | 6 | 29 | 45 |
| 26 X 19 | 0.06416 | 8 | 6 | 36 | 52 |
| 38 X 24 | 0.07314 | 12 | 9 | 44 | 68 |
| 45 X 29 | 0.10912 | 12 | 9 | 51 | 83 |
| 53 X 34 | 0.10912 | 16 | 12 | 59 | 97 |

STEEL SAFETY END SECTIONS FOR ARCHED PIPE

| PIPE SIZE (INCHES) | MIN METAL THICK (INCH/GAUGE) | DIMENSIONS (INCHES) | | | |
|--------------------|------------------------------|---------------------|----|----|----|
| | | A | H | W | L |
| 21 X 15 | 0.06416 | 8 | 6 | 27 | 43 |
| 28 X 20 | 0.06416 | 8 | 6 | 34 | 50 |
| 38 X 24 | 0.07314 | 12 | 9 | 41 | 65 |
| 42 X 29 | 0.10912 | 12 | 9 | 48 | 78 |
| 49 X 33 | 0.10912 | 16 | 12 | 55 | 87 |

STEEL SAFETY END SECTIONS FOR CIRCULAR PIPE

| PIPE DIA (INCHES) | MIN METAL THICK (INCH/GAUGE) | DIMENSIONS (INCHES) | | | |
|-------------------|------------------------------|---------------------|----|----|----|
| | | A | H | W | L |
| 18 | 0.06416 | 6 | 6 | 24 | 40 |
| 24 | 0.06416 | 8 | 6 | 30 | 48 |
| 30 | 0.10912 | 12 | 9 | 36 | 60 |
| 36 | 0.10912 | 12 | 9 | 42 | 69 |
| 42 | 0.10912 | 16 | 12 | 48 | 80 |

- NOTES:**
1. PROVIDE SLOTTED HOLES FOR SAFETY BAR ATTACHMENT.
 2. NUMBER OF BARS REQUIRED VARIES DEPENDING ON THE LENGTH AND WIDTH OF THE END SECTION.
 3. ADD LONGITUDINAL BAR WHEN WIDTH EXCEEDS 30 INCHES. WELD BARS TO CREATE ONE PIECE STRUCTURE.
 4. USE GALVANIZED HARDWARE FOR CONNECTIONS.

UTAH DEPARTMENT OF TRANSPORTATION
 STANDARD DRAWING FOR BRIDGE AND INFRASTRUCTURE CONSTRUCTION
 SCALE: AS SHOWN

PROJECT NO. _____ DATE _____
 SHEET NO. _____ OF _____
 AUGUST 2020

DESIGNED BY _____
 CHECKED BY _____
 APPROVED BY _____

UTAH STATE UNIVERSITY

STEEL SAFETY END SECTIONS

STD. DWG. NO. DG 6