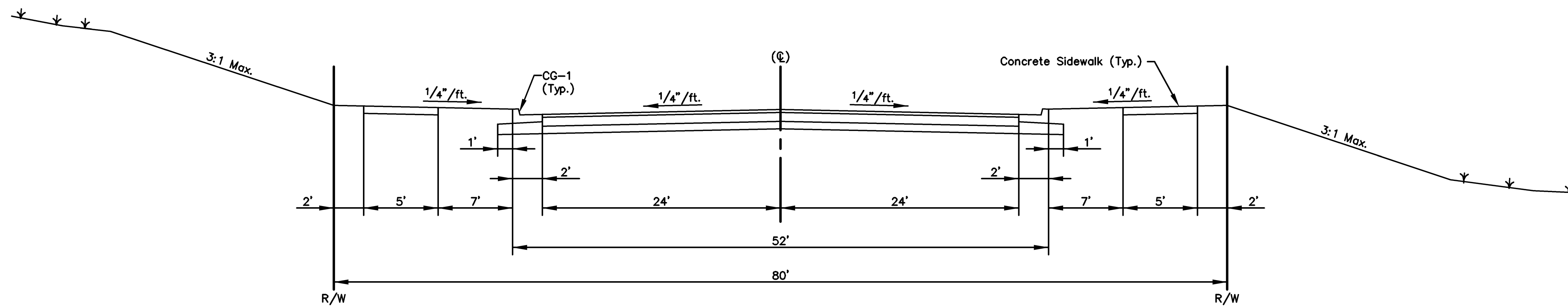


NOT AS BUILT



Botts Road  
Sta. 22+52.37 to Sta. 44+83.03  
Secondary Arterial Typical Section

Scale: N.T.S.

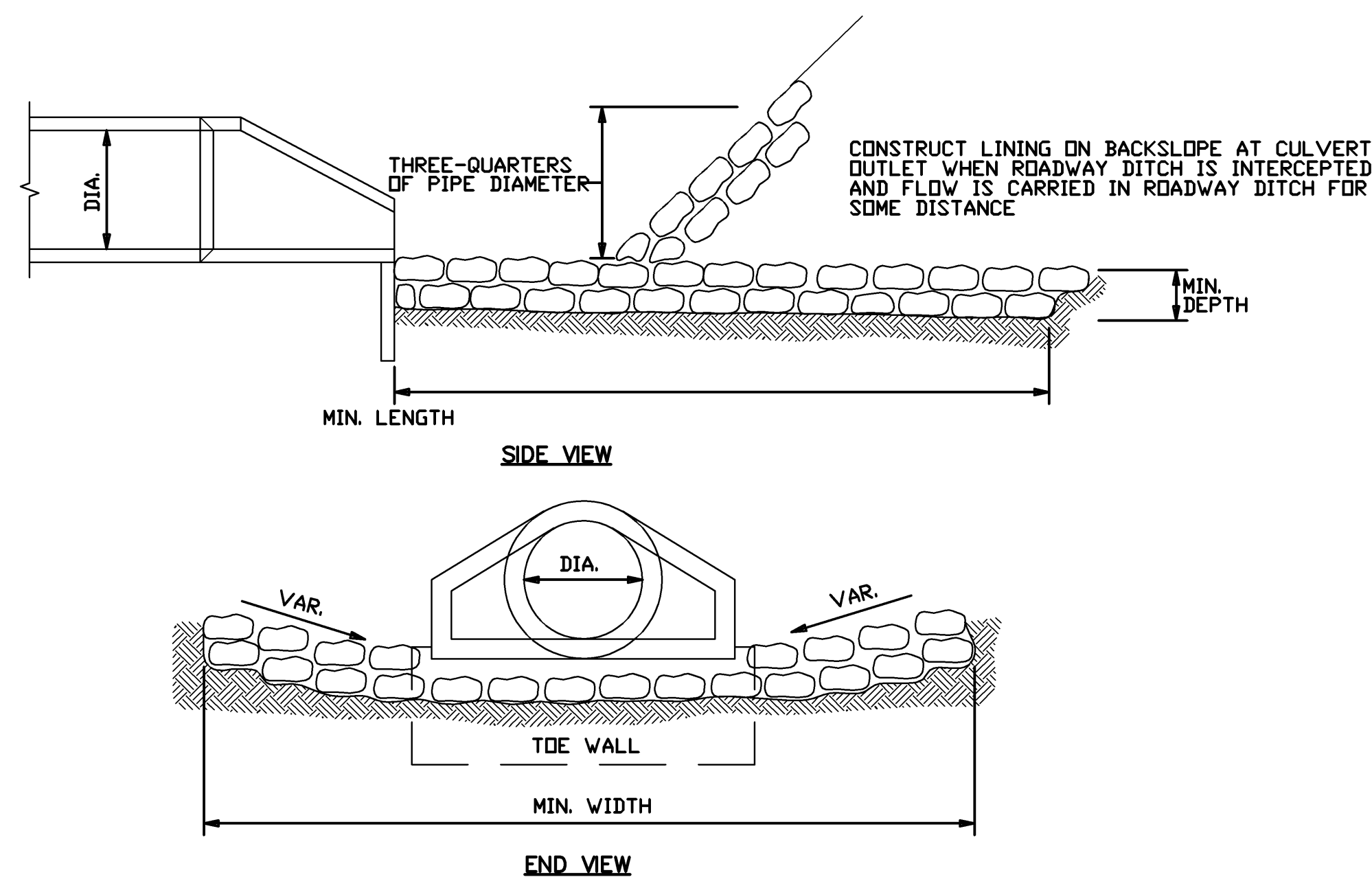
2" TYPE 3-01 ASPHALTIC CONCRETE SURFACE  
9" TYPE 1-01 ASPHALTIC CONCRETE BASE COURSE  
6" MIN. COMPACTED SUBGRADE  
95% OF STANDARD MAX. DENSITY

OR

8" PORTLAND CEMENT CONCRETE  
6" MIN. COMPACTED SUBGRADE  
95% OF STANDARD MAX. DENSITY

Notes:

- See sheet 4 for location of pavement types.



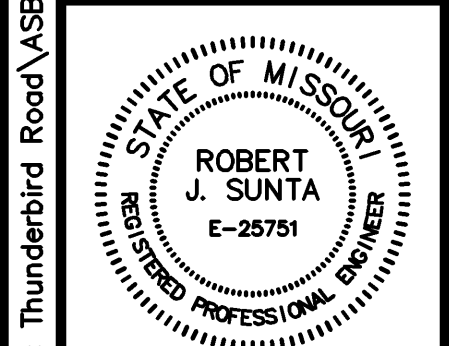
| ROCK LINING FOR CULVERT OUTLETS |                           |                  |                  |  |                                      |
|---------------------------------|---------------------------|------------------|------------------|--|--------------------------------------|
| CULVERT SIZE, DIA. INCH.        | MIN. DEPTH AND WIDTH FEET | MIN. LENGTH FEET | ROCK LINING C.Y. | EQUIVALENT PIPE ARCH CULVERT (APPROX.) | EQUIVALENT CONC. BOX CULV. (APPROX.) |
| 18                              | 1 X 4                     | 12               | 2                |  |                                      |
| 24                              | 1 X 6                     | 14               | 3                |  | 2' X 1-1/2'                          |
| 30                              | 1 X 7                     | 16               | 4                | B-5                                    | 2' X 2'                              |
| 36                              | 1.5 X 9                   | 18               | 9                | B-6                                    | 3' X 2'                              |
| 42                              | 2 X 10                    | 20               | 15               | B-7                                    | 3' X 3'                              |
| 48                              | 2 X 12                    | 20               | 18               | B-8                                    | 4' X 3'                              |
| 54                              | 2 X 13.5                  | 22               | 22               | B-9                                    | 4' X 4'                              |
| 60                              | 2 X 15                    | 25               | 28               | B-10                                   | 5' X 4'                              |
| 66                              | 2 X 18                    | 25               | 33               | B-11                                   | 5' X 5'                              |
| 72                              | 2 X 20                    | 30               | 44               | B-12                                   | 5' X 6'                              |
| 84                              | 2.5 X 25                  | 35               | 81               |  | 6' X 6'                              |
| 96                              | 2.5 X 30                  | 40               | 111              |  | 7' X 7'                              |
| 108                             | 3 X 32                    | 40               | 142              |  | 8' X 8'                              |

NOTE: THE DIMENSIONS SHOWN IN THE TABLE CAN BE APPLIED TO BOX OR ARCH CULVERTS OF EQUIVALENT WATERWAY AREA.

ROCK LINING FOR CULVERT OUTLET  
Not To Scale

| DATE     | P.E. SIGNATURE | DESCRIPTION             |
|----------|----------------|-------------------------|
| 08-07-07 | R.J.S.         | Prepared for Review.    |
| 01-25-08 | R.J.S.         | Revised typical section |
| 06-20-08 | R.J.S.         | Added Rip-Rap Section   |

TYPICAL SECTIONS  
CENTERPOINT-KCS  
INTERMODAL CENTER



Reviewed By: S.E.C.  
Designed By: R.J.S.  
Drafted By: J.W.W.

Lutjen Project No.: 07165

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surveying  
planning  
engineering  
landscape architecture

Sheet No.:  
**10**

Location: N:\Engineering\Richard Gebour - 07165 & 07166\Drafting\Botts & Thunderbird Road\ASBUILT\Street & Storm\TYP - 07165.dwg