TABLE 1: REINFORCED CONCRETE CIRCULAR PIPE MAXIMUM FILL HEIGHT

| PIPE DIA. | PIPE CLASSES | | | |
|---|---|---|---|---|
| | II | III | IV | V |
| INCH | FT | FT | FT | FT |
| 18 | 16 | 22 | 34 | 52 |
| 21 | 16 | 22 | 34 | 52 |
| 24 | 16 | 22 | 34 | 52 |
| 27 | 16 | 22 | 34 | 52 |
| 30 | 15 | 22 | 34 | 52 |
| 33 | 15 | 22 | 34 | 52 |
| 36 | 15 | 22 | 33 | 51 |
| 42 | 15 | 22 | 33 | 51 |
| 48 | 15 | 22 | 33 | 51 |
| 54 | 15 | 21 | 33 | 51 |
| 60 | 14 | 21 | 32 | 51 |
| 66 | 14 | 21 | 32 | 50 |
| 72 | 14 | 20 | 32 | 50 |
| 78 | 14 | 20 | 31 | 49 |
| 84 | 13 | 20 | 31 | 49 |
| 90 | 13 | 20 | 31 | 49 |
| 96 | 13 | 19 | 31 | 49 |
| 102 | 13 | 19 | 30 | 48 |
| 108 | 12 | 19 | 30 | 48 |

TABLE 2: REINFORCED CONCRETE ELLIPTICAL PIPE MAXIMUM FILL HEIGHT

| PIPE DIM. SPAN X RISE | PIPE CLASSES | | | |
|---|---|---|---|---|
| | II | III | IV | V |
| INCH X INCH | FT | FT | FT | FT |
| 14 x 23 | - | 12 | 20 | 30 |
| 19 x 30 | - | 13 | 21 | 30 |
| 22 x 34 | - | 13 | 21 | 30 |
| 24 x 38 | 9 | 14 | 21 | 30 |
| 27 x 42 | 9 | 14 | 21 | 30 |
| 29 x 45 | 9 | 14 | 21 | 30 |
| 32 x 49 | 10 | 14 | 21 | 30 |
| 34 x 53 | 10 | 14 | 21 | 30 |
| 38 x 60 | 10 | 14 | 21 | 30 |
| 43 x 68 | 10 | 14 | 21 | 30 |
| 48 x 76 | 10 | 14 | 21 | 30 |
| 53 x 83 | 10 | 14 | 21 | 30 |
| 58 x 91 | 10 | 15 | 21 | 30 |

TABLE 3: PLASTIC PIPE AND STEEL REINFORCED THERMOPLASTIC RIBBED PIPE MAXIMUM FILL HEIGHT

| PIPE DIA. | PIPE TYPE | | | |
|---|---|---|---|---|
| | DUAL WALL HDPE SMOOTH LINED | DUAL WALL POLYPROPYLENE SMOOTH LINED | STEEL REINFORCED THERMOPLASTIC RIBBED | POLYVINYL CHLORIDE (PVC) |
| INCH | MAXIMUM FILL HEIGHT FT | | | |
| 18 | 19 | 18 | N/A | 24 |
| 24 | 17 | 16 | N/A | 25 |
| 30 | 14 | 18 | 50 | 23 |
| 36 | 15 | 16 | 50 | 22 |
| 42 | 15 | 18 | 50 | N/A |
| 48 | 13 | 17 | 30 | N/A |
| 54 | 14 | N/A | 30 | N/A |
| 60 | 14 | 17 | 30 | N/A |

NOTES:

1. MEASURE MAXIMUM FILL HEIGHT FROM TOP OF PIPE TO TOP OF PAVEMENT SURFACE AT HIGHEST FILL SECTION.
2. REFER TO STD DWG DG 4 FOR MINIMUM FILL HEIGHT REQUIREMENTS.

SUPPLEMENTAL DRAWING

REVISIONS

| NO. | DATE | APPR. | REMARKS |
|---|---|---|---|
| 1 | 02/27/14 | JLC | NEW DRAWING, REPLACED CURRENT DG 3 THAT WAS RENUMBERED TO DG 10. |

UTAH DEPARTMENT OF TRANSPORTATION
STANDARD DRAWINGS FOR ROAD AND BRIDGE CONSTRUCTION
SALT LAKE CITY, UTAH

RECOMMENDED FOR APPROVAL — FEB.27.2014 DATE

CHAIRMAN STANDARDS COMMITTEE APPROVED — FEB.27.2014 DATE

DEPUTY DIRECTOR

STANDARD DRAWING TITLE: FILL HEIGHT FOR PLASTIC AND CONCRETE PIPE

STD. DWG. NO. DG 3

DGN File: L:\Standard_Drawings\Imperial\2012Approved_Supplemental_Issues\Sup84approved\DG03.dgn
11-MAR-2014