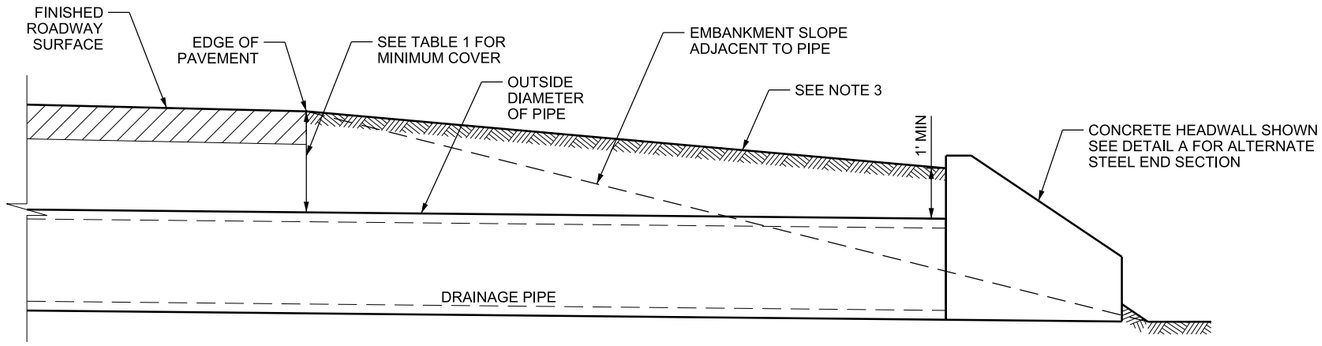
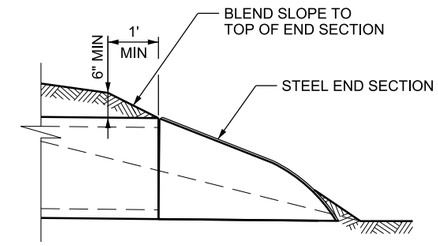
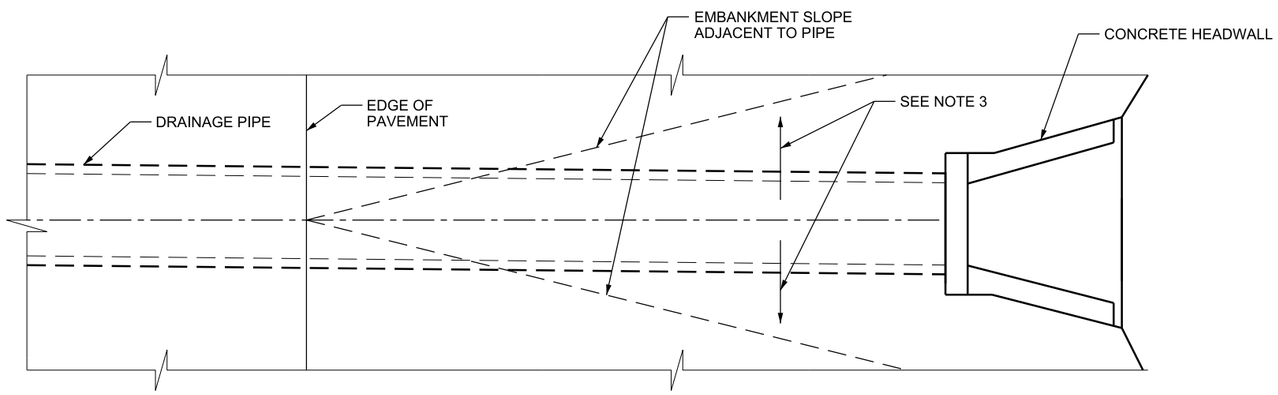


ELEVATION



DETAIL A



PLAN

TABLE 1: MINIMUM COVER

SURFACE TYPE	PIPE TYPE		
	CIRCULAR AND ELLIPTICAL REINFORCED CONCRETE	CIRCULAR THERMOPLASTIC *	CIRCULAR AND ARCH CORRUGATED STEEL AND STRUCTURAL PLATE **
FLEXIBLE PAVEMENT OR UNPAVED	1' - 6"	2'	2'
RIGID PAVEMENT	1' - 6"	1' - 6"	1' - 6"

* MINIMUM COVER FOR THERMOPLASTIC PIPE LARGER THAN 48 INCH DIAMETER IS HALF THE PIPE DIAMETER (D/2).
** MINIMUM COVER FOR STEEL PIPE VALID UP TO 90 INCH DIAMETER OR 90 INCH SPAN WIDTH.

PIPE MINIMUM COVER

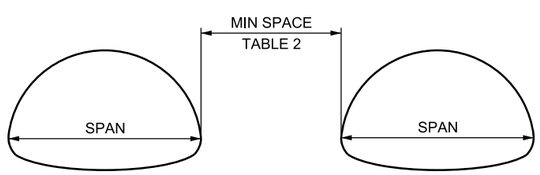


TABLE 2: MINIMUM SPACING

SPAN (INCH)	MINIMUM SPACE (INCH)
≤ 80	24
> 80 TO 120	1/3 SPAN

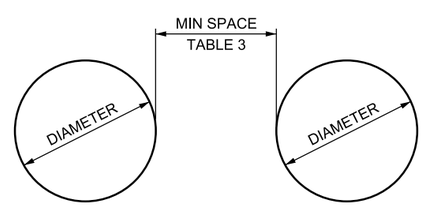


TABLE 3: MINIMUM SPACING

DIAMETER (INCH)	MINIMUM SPACE (INCH)
≤ 48	24
> 48 TO 72	½ DIAMETER
> 72 TO 120	36

PIPE MINIMUM SPACING FOR MULTIPLE INSTALLATIONS

NOTES:

1. MINIMUM COVER OVER THE TOP OF THE PIPE IS ADEQUATE ONLY FOR FINISHED CONSTRUCTION. PROVIDE ADEQUATE COVER TO PROTECT PIPE FROM DAMAGE DURING CONSTRUCTION.
2. ENGINEER REVIEWS AND APPROVES MINIMUM COVER FOR PIPE TYPES NOT LISTED IN TABLE 1.
3. GRADE SLOPE TO MEET MINIMUM COVER OVER THE END OF PIPE AND TO MATCH THE END TREATMENT. SLOPES TO MEET AASHTO CLEAR ZONE. GRADE SLOPES OVER THE PIPE NO STEEPER THAN 4:1 (H:V) WHEN OUTSIDE THE CLEARZONE.

SUPPLEMENTAL DRAWING

REVISIONS

NO.	DATE	APPR.	REMARKS
1	2/25/2016	JE	MODIFIED ENTIRE DRAWING. ADDED DETAIL FOR MINIMUM PIPE SPACING BETWEEN MULTIPLE INSTALLATIONS.

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

RECOMMENDED FOR APPROVAL — FEB. 25, 2016 DATE
CHAIRMAN STANDARDS COMMITTEE APPROVED — FEB. 25, 2016 DATE
DEPUTY DIRECTOR

PIPE MINIMUM COVER AND SPACING
STANDARD DRAWING TITLE

STD. DWG. NO.
DG 4

DGN File:L:\Standard.Drawings\Imperial\2012Approved_Supplemental_Issues\Suppl5Approved\DG04.dgn
07-MAR-2016