| F.H.W.A. REGION | STATE | PROJECT NO. | SHEET NO. | TOTAL SHEETS | AS BUILT |
|---|---|---|---|---|---|
| 9 | ARIZ. | _____ | ___ | ___ | _____ |

_____

NOTE:
THE ZEROS IN PARENTHESIS (0, 0.0 & 0.00) IN THE HEADING OF SOME OF THE COLUMNS IS THE PRECISION OF THE DIMENSION FOR THAT COLUMN.

NOTE:
FOR PIPE CULVERT PLACEMENT SEE STANDARD DRAWINGS C-13.10 AND C-13.15

NOTE:
PIPE OPTIONS SELECTED ARE THOSE REQUIRED TO MEET MINIMUM SERVICE LIFE.
SHADED PIPE OPTION FIELDS ARE NOT ALLOWABLE ALTERNATES.

CHDPEP

| DESCRIPTION | | | | | | | | | CSP | | | | | | CAP | | | BSP | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | In. | Ft. | Degree | | In. | Coating | | | | | In. | | | In. | | |
| Location, Station | Plan Ref Number FS | ◒ Controlling Fill Height Range | C-Corrugated / S-Smooth | Size | Length (0) | Skew (0) | C-16.40 Irrigation Sleeve | Detail | ◪ Corrugation | Wall Thickness (0.00) | Zinc | Bituminous Coated | Aluminum | Bit. Coated Aluminum | ◪ Corrugation | Wall Thickness (0.00) | Uncoated | Bituminous Coated | Size (0) | Wall Thickness (0.00) | AASHTO M-294 Type C | AASHTO M-294 Type S |
| _____ | ___ | _____ | C | _____ | ____ | _____ | _ | _ | _ | ____ | _ | _ | _ | _ | _ | ____ | _ | _ | ____ | ____ | _ | _ |
| _____ | | | S | _____ | | | | | | | | | | | | | | | | | _ | _ |
| _____ | ___ | _____ | C | _____ | ____ | _____ | _ | _ | _ | ____ | _ | _ | _ | _ | _ | ____ | _ | _ | ____ | ____ | _ | _ |
| _____ | | | S | _____ | | | | | | | | | | | | | | | | | _ | _ |
| Sheet Total | | | | | ____ | | | | | | | | | | | | | | | | | |

| FILL HEIGHT RANGE TABLE (Ft.) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RANGE NO. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| FILL | > | 1 | 3 | 5 | 8 | 11 | 15 | 20 | 25 | 30 | 40 | 55 | 70 |
| HEIGHT (Ft.) | ≤ | 3 | 5 | 8 | 11 | 15 | 20 | 25 | 30 | 40 | 55 | 70 | 90 |

◒ SHOULD FIELD CONDITIONS VARY FROM THE RANGE INDICATED, CONTACT DESIGN FOR RE-EVALUATION OF PIPE DESIGN REQUIREMENTS.

| ◪ PIPE CORRUGATION | | | |
|---|---|---|---|
| A | 2⅔x½ | D | 6x2 |
| B | 3x1 | E | 3x1 or 9x2½ |
| C | 9x2½ | | |

CSP - CORRUGATED STEEL PIPE
CAP - CORRUGATED ALUMINUM PIPE
BSP - BLACK STEEL PIPE
CHDPEP - CORRUGATED HIGH DENSITY POLYETHYLENE PIPE

NOTE:
PIPE OPTIONS SELECTED ARE THOSE REQUIRED TO MEET MINIMUM SERVICE LIFE.
SHADED PIPE OPTION FIELDS ARE NOT ALLOWABLE ALTERNATES.

CHDPEP

| DESCRIPTION | | | | | | | | | CSP | | | | | | CAP | | | BSP | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | In. | Ft. | Degree | | In. | Coating | | | | | In. | | | In. | | |
| Location, Station | Plan Ref Number FS | ◒ Controlling Fill Height Range | C-Corrugated / S-Smooth | Size | Length (0) | Skew (0) | C-16.40 Irrigation Sleeve | Detail | ◪ Corrugation | Wall Thickness (0.00) | Zinc | Bituminous Coated | Aluminum | Bit. Coated Aluminum | ◪ Corrugation | Wall Thickness (0.00) | Uncoated | Bituminous Coated | Size (0) | Wall Thickness (0.00) | AASHTO M-294 Type C | AASHTO M-294 Type S |
| _____ | ___ | _____ | C | _____ | ____ | _____ | _ | _ | _ | ____ | _ | _ | _ | _ | _ | ____ | _ | _ | ____ | ____ | _ | _ |
| _____ | | | S | _____ | | | | | | | | | | | | | | | | | _ | _ |
| _____ | ___ | _____ | C | _____ | ____ | _____ | _ | _ | _ | ____ | _ | _ | _ | _ | _ | ____ | _ | _ | ____ | ____ | _ | _ |
| _____ | | | S | _____ | | | | | | | | | | | | | | | | | _ | _ |
| Sheet Total | | | | | ____ | | | | | | | | | | | | | | | | | |

| | NAME | DATE |
|---|---|---|
| DESIGN | _____ | _____ |
| DRAWN | _____ | _____ |
| CHECKED | _____ | _____ |
| TEAM LEADER | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

ARIZONA DEPARTMENT OF TRANSPORTATION
INTERMODAL TRANSPORTATION DIVISION
ROADWAY DESIGN SECTION

~~PIPE SLEEVE SUMMARY SHEET &~~
_____
_____

ROUTE _____ LOCATION _____

SHEET ___ OF ___

TRACS NO. _____ _____ ____ OF ____

REV. DATE: 09-09-2004

SURVEY NO. FINISHED PLANS REVISIONS LOCATION DATE