



- * 30" PIPE = 2 BARS - 10.46 LBS. REINFORCING STEEL
- 24" PIPE = 4 BARS - 17.59 LBS. REINFORCING STEEL
- 21" PIPE = 5 BARS - 21.15 LBS. REINFORCING STEEL

| SCHEDULE OF REINFORCING STEEL | | | | | | |
|-------------------------------|-----|--------|-------|------|----------------|----------|
| MARK | NO. | LENGTH | | SIZE | SPACING C-C | SHAPE |
| | | 2:1 | 1/2:1 | | | |
| F | 5 | 1'-0" | 1'-0" | 4 | 4" | STRAIGHT |
| G | * | 5'-4" | 5'-4" | 4 | 4" | BENT |
| L | 22 | 2'-0" | | 3 | 12" | BENT |
| L | 16 | | 2'-0" | 3 | 12" | BENT |

‡ QUANTITIES BASED ON 30" PIPE.

| APPROXIMATE QUANTITIES | | | |
|------------------------|-------|----------------------|----------------------|
| PIPE SPILLOUT | SLOPE | CLASS A3 CONCRETE | REINFORCING STEEL |
| | | CU. YARDS. | LBS. |
| | 2:1 | ‡ 1.351 | * |
| | 1/2:1 | ‡ 1.037 | * |

NOTE: DOWELS TO BE LOCATED AT ALL REQUIRED JOINTS.

DOWELS IN BASE SLAB
TO BE FIELD BENT TO
CONFORM TO ANGLE BREAK

FOR DETAILS OF
DOWELS SEE ST'D.
PG-4. COST AT
DOWELS TO BE
INCLUDED WITH
ST'D. PG-4.

VDOT
ROAD AND BRIDGE STANDARDS

SHEET 1 OF 1 REVISION DATE

112.02

**STANDARD PIPE SPILLOUT
FOR 21" - 30" PIPE CULVERTS**

VIRGINIA DEPARTMENT OF TRANSPORTATION

SPECIFICATION
REFERENCE

302