ISSUED FOR CONSTRUCTION

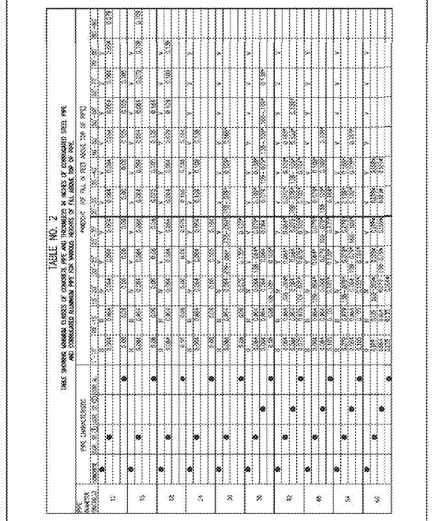

TABLE NO. 2
MINIMUM ALLOWABLE THICKNESS OF CORRUGATED METAL PIPE
UNIT SHIPPING WEIGHTS OF CONCRETE PIPE AND CONCRETE PIPE WITH REINFORCED CONCRETE FLARE END SECTIONS IN POUNDS PER LINEAR FOOT
AND CORRUGATED ALUMINUM PIPE FOR VARIOUS HEIGHTS OF FILL ABOVE TOP OF PIPE

HEIGHT OF FILL IN FEET ABOVE TOP OF PIPE

NOM. DIAMETER INCHES	PIPE CONSTRUCTION	1	5	10	15	20	25	30	40	50
12										
15										
18										
21										
24										
30										
36										
42										
48										
54										

SHEET 1 OF 3

METAL AND CONCRETE CIRCULAR PIPE

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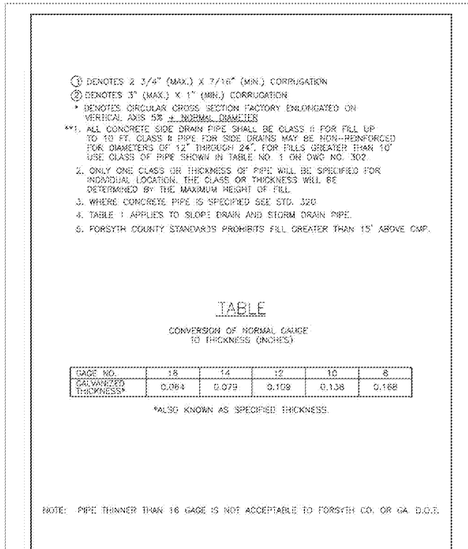

① DENOTES 2 3/4" (MAX.) X 7/16" (MIN.) CORRUGATION
② DENOTES 3" (MAX.) X 1" (MIN.) CORRUGATION
* DENOTES CIRCULAR CROSS SECTION FACTORY ENLONGATED ON VERTICAL AXIS 5% ± NORMAL DIAMETER
**1. ALL CONCRETE SIDE DRAIN PIPE SHALL BE CLASS II FOR FILL UP TO 10 FT. CLASS III PIPE FOR SIDE DRAINS MAY BE NON-REINFORCED FOR DIAMETERS OF 12" THROUGH 24", FOR FILLS GREATER THAN 10' USE CLASS OF PIPE SHOWN IN TABLE NO. 1 ON DWG NO. 302.
2. ONLY ONE CLASS OR THICKNESS OF PIPE WILL BE SPECIFIED FOR INDIVIDUAL LOCATION. THE CLASS OR THICKNESS WILL BE DETERMINED BY THE MAXIMUM HEIGHT OF FILL.
3. WHERE CONCRETE PIPE IS SPECIFIED SEE STD. 320
4. TABLE 1 APPLIES TO SLOPE DRAIN AND STORM DRAIN PIPE.
5. FORSYTH COUNTY STANDARDS PROHIBITS FILL GREATER THAN 15' ABOVE CMP.

TABLE

CONVERSION OF NORMAL GAUGE TO THICKNESS (INCHES)

GAGE NO.	18	14	12	10	8
GALVANIZED THICKNESS*	0.064	0.079	0.109	0.138	0.168

*ALSO KNOWN AS SPECIFIED THICKNESS.

NOTE: PIPE THINNER THAN 16 GAGE IS NOT ACCEPTABLE TO FORSYTH CO. OR GA. D.O.T.

SHEET 3 OF 3

METAL AND CONCRETE CIRCULAR PIPE

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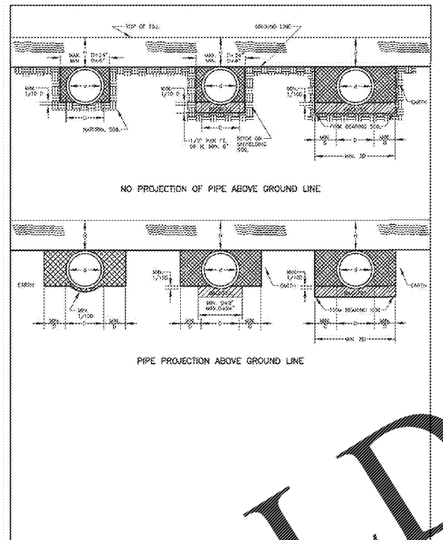

NO PROJECTION OF PIPE ABOVE GROUND LINE

PIPE PROJECTION ABOVE GROUND LINE

PIPE BEDDING METHODS

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PROJECT OWNER

PROJECT TITLE
POPS WINE & SPIRITS
FORSYTH COUNTY, GA

NO. | DESCRIPTION | DATE

ISSUES & REVISIONS

SITE PLAN

DRAWING NAME

DRAWING TITLE
CONSTRUCTION DETAILS I

DRAWN BY	PROJECT NO
BSR	201922
REVIEWED BY	SCALE
BSR	NTS
APPROVED BY	DATE
BSR	01/15/2019

DRAWING NO.
C13.03

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