GENERAL NOTES:

1. CONSTRUCTION AND MATERIALS SHALL MEET REQUIREMENTS OF TYP 497 Prestressed Concrete Manholes.
2. CONCRETE FOR MANHOLE WIDTH 2,200 PLUS OR 28 DAYS.
3. CONCRETE FOR MANHOLE WIDTH 2,200 PLUS OR EXCEED DESIGN STRESS RESISTANCE.
4. CONCRETE PUMPABLE TO MAXIMUM.
5. TRADE AND COVER SHALL BE CAST CONCRETE STORM SEWER DEPRESSED ONE AND ONE-HALF IN APPROVAL.
6. SHOULDER DIMENSIONS WITH MANUFACTURER'S CONSTRUCTION SHALL BE SUBMITTED FOR ENGINEER'S APPROVAL.

HARRIS COUNTY ENGINEERING DEPARTMENT

PLAN VIEW
FRAME AND COVER
SCALE 1" = 1'-0"

CAST IRON FRAME AND COVER

CONCRETE (3,000 PSI)

CAST IRON FRAME AND COVER

PRECAST CONCENTRIC MANHOLE FOR PIPE STAGES GREATER THAN 24" 
SCALE 1" = 1'-0"

MAXIMUM PIPING, FT.

PIECE THICKNESS, IN.

MIN. WALL THICKNESS, IN.

MATERIAL INCHES

30"  60"  6"  8"
32"  72"  7"  8"
36"  84"  8"  12"
50"  108"  10"

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