

STANDARD M.H. RING AND COVER
LABELED APPROPRIATELY

STEPS AT 16" ON CENTER
(ONLY INSTALLED WHEN
DEPTH EXCEEDS 3')

FINISHED GRADE
(VARIES)

4' PRECAST
CONC. MANHOLE

2" BRASS AIR/VACUUM VALVE

$\frac{1}{4}$ " THK. X $1\frac{1}{2}$ " WIDE BRASS FLAT BAR (LENGTH
AS DETERMINED BY VALVE BODY DIAMETER)

$\phi \frac{3}{8}$ " X 4" X 0'-8" LG. W/ 2-
 $\frac{5}{8}$ " HOLES (2 REQ'D)

$\frac{1}{2}$ " CONC. EXP.
ANCHORS (2 EA. PLATE)

BRASS $2 \times 2 \times \frac{1}{4}$ (LENGTH
DEPENDENT ON MANHOLE DIAMETER &
SIZE OF VALVE) W/ $\frac{5}{8}$ " X 1" LG. SLOTTED
HOLE

2" THD. BRASS BALL VALVE

2" BRASS NIPPLE (TYP.)

DIP MAIN (WATER) OR C900 PVC
(RECLAIMED)

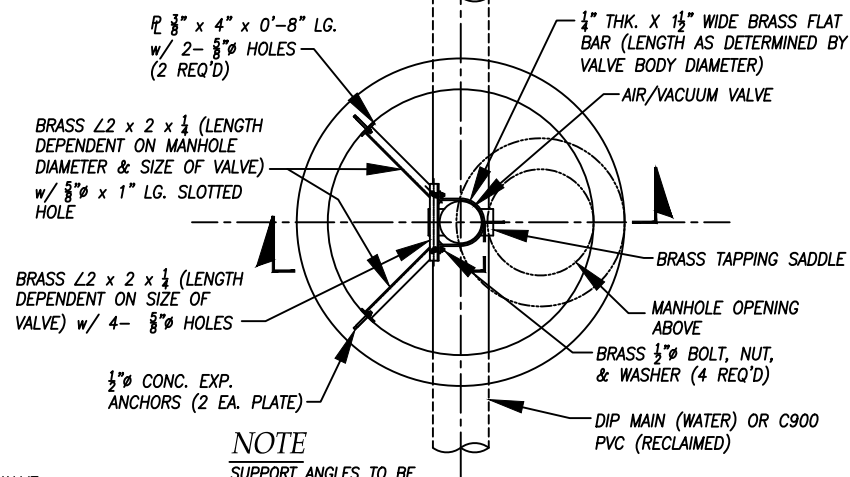
BRASS TAPPING SADDLE

12" No. 57 STONE

TYPICAL CONCRETE FOOTING
(3000 P.S.I. CONCRETE)

2" FLOOR
DRAIN

TYPICAL SECTION



NOTE

SUPPORT ANGLES TO BE
POSITIONED OPPOSITE
MANHOLE OPENING.

PLAN

NOTES:

1. TAP SIZE AND ISOLATION VALVE TO BE SAME SIZE AS AIR VALVE.
2. ALL PIPING AND FITTINGS, IN THE MANHOLE, SHALL BE BRASS OR BRONZE UNLESS NOTED.
3. MANHOLE STEPS SHALL BE PLACED 16" O.C.
4. CONCENTRIC CONES MAY BE USED FOR AIR VALVE MANHOLES LESS THAN 5' IN DEPTH.

PROVIDE FLEXIBLE BOOT AND
BRASS BAND.

DRAWING NOT TO SCALE

COMBINATION AIR VALVE MANHOLE FOR RECLAIM AND WATER MAINS

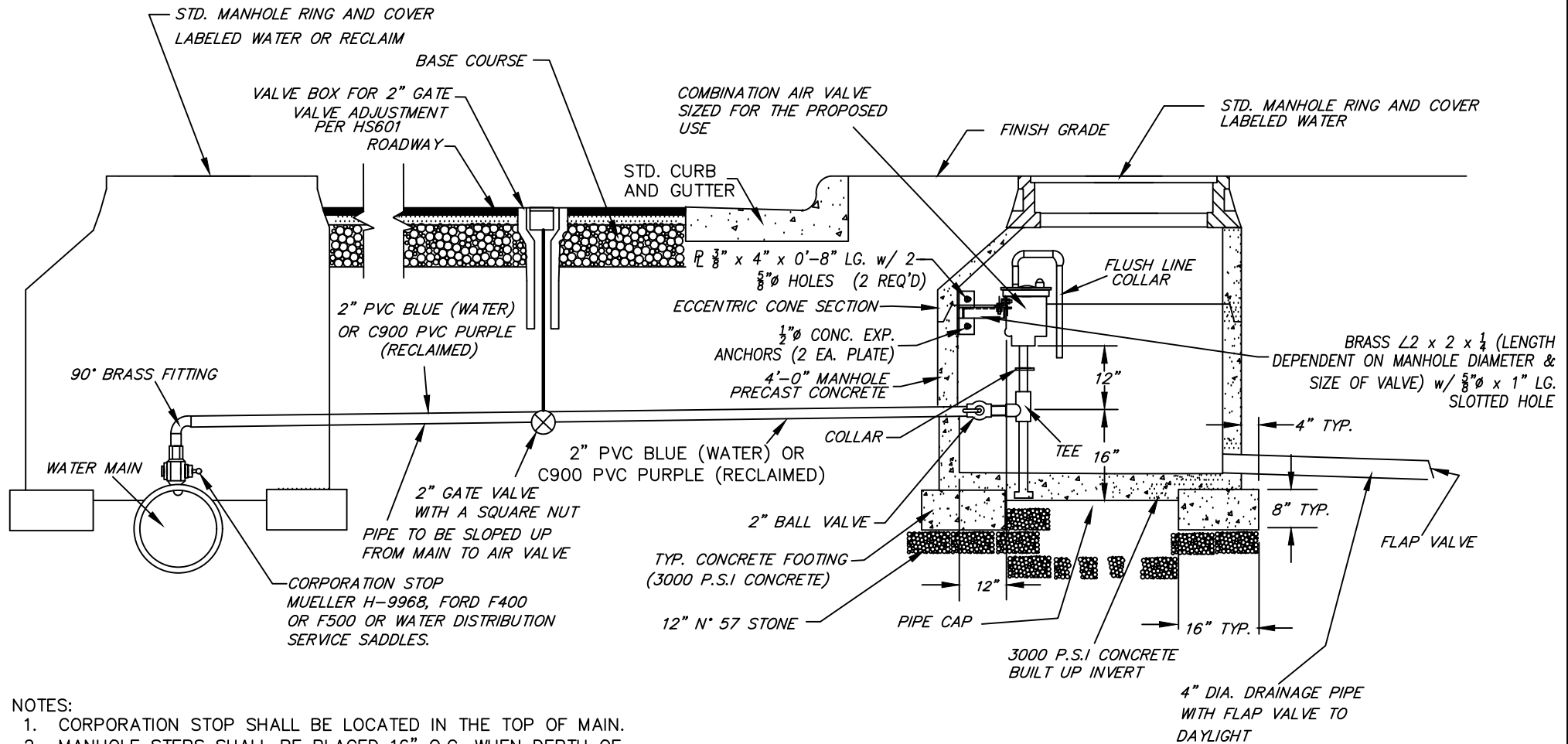
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS1101 & HS610

DATE REVISIONS

1/4/22





NOTES:

1. CORPORATION STOP SHALL BE LOCATED IN THE TOP OF MAIN.
2. MANHOLE STEPS SHALL BE PLACED 16" O.C. WHEN DEPTH OF MANHOLE EXCEEDS 5 FEET.

NOTE: IF DRAIN PIPE TO DAYLIGHT IS NOT ACHIEVABLE THEN
MUST RECEIVE APPROVAL FROM DIRECTOR OF UTILITIES AND
INFRASTRUCTURE FOR AN ACCEPTABLE STANDARD AIR RELEASE.

DRAWING NOT TO SCALE

**STANDARD COMBINATION AIR VALVE MANHOLE OFFSET FROM MAIN
FOR RECLAIMED WATER OR WATER MAINS**

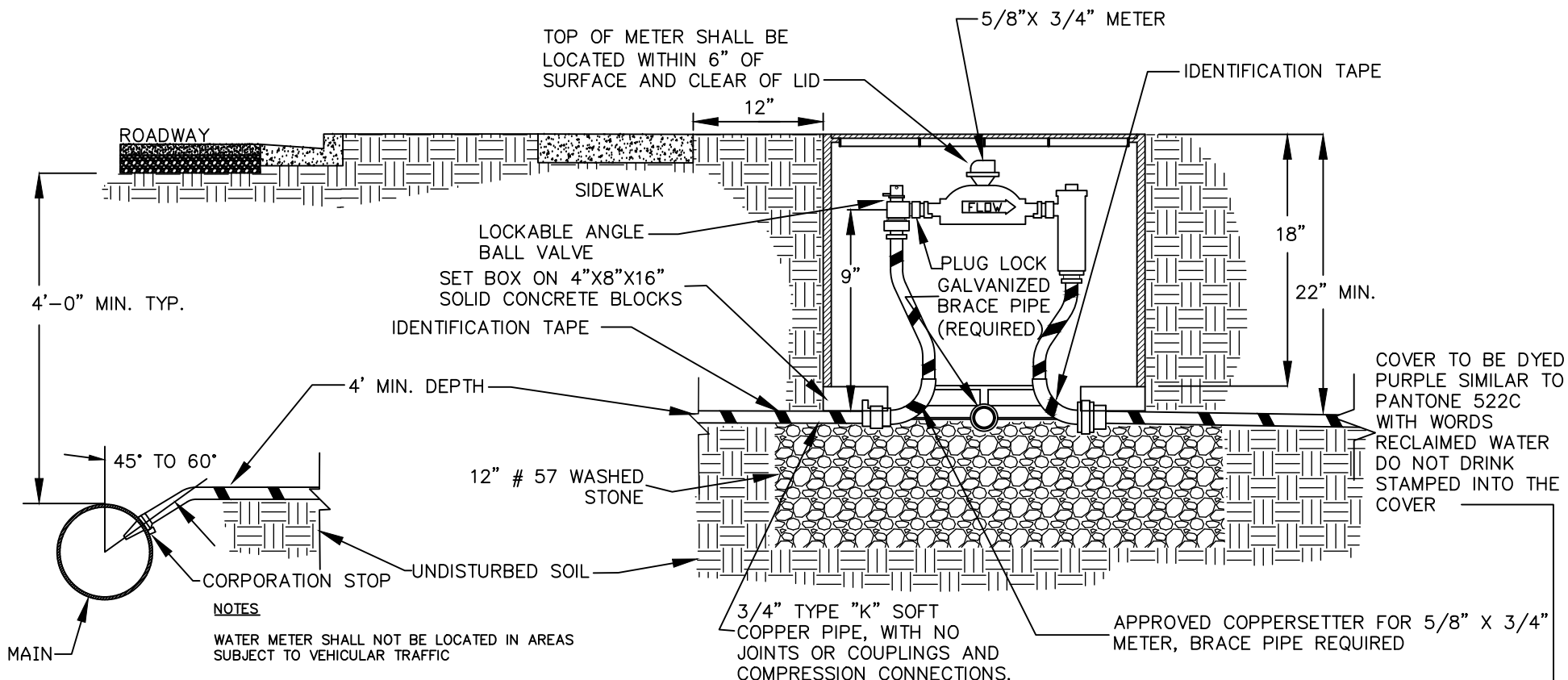
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS611 HS1102

DATE REVISIONS

1/4/22





NOTES

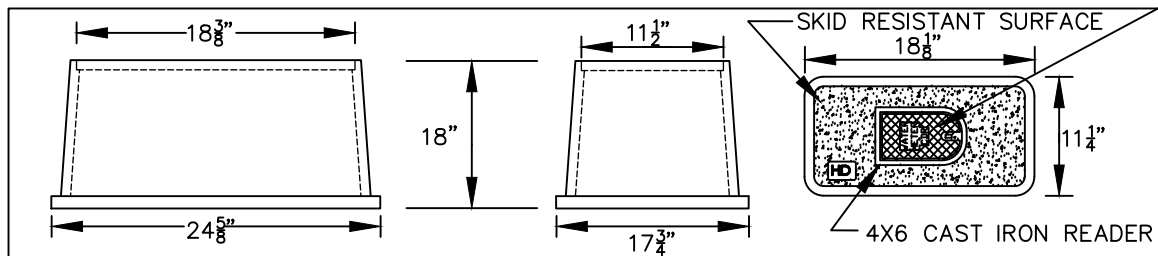
WATER METER SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC

ALL PLASTIC METER BOXES SHALL BE AS MANUFACTURED BY MID-STATE PLASTICS WITH HEAVY DUTY RATED NON-LOCKING POLYMER CEMENT COVER AS CAST IRON READER DOOR AS APPROVED BY THE TOWN

ALL FIBERGLASS METER BOXES WITH POLYMER CEMENT COVERS SHALL BE AS MANUFACTURED BY CDR SYSTEMS CORPORATION WITH A HEAVY DUTY RATED COVER AND CAST IRON READER DOOR AS APPROVED BY THE TOWN

ALL SERVICE LINES, VALVES AND FITTINGS SHALL COMPLY WITH AWWA C800

PURPLE IDENTIFICATION TAPE MARKED: "CAUTION RECLAIM WATER DO NOT DRINK"



STANDARD HEAVY DUTY POLYMER CONCRETE METER BOX

DRAWING NOT TO SCALE

**STANDARD 3/4" WATER SERVICE + METER BOX INSTALLATION
(FOR RECLAIMED WATER SERVICE)**

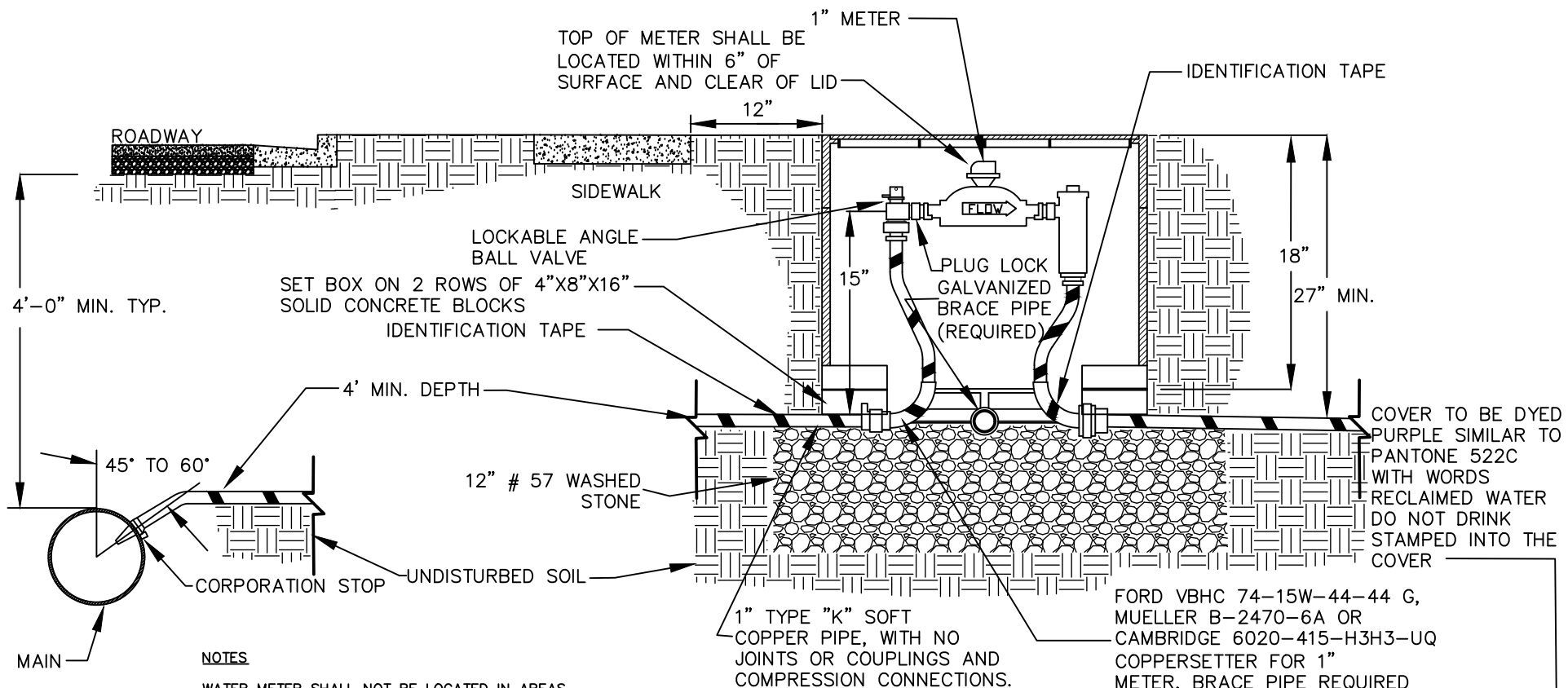
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS1104

DATE REVISIONS

8/4/17





NOTES

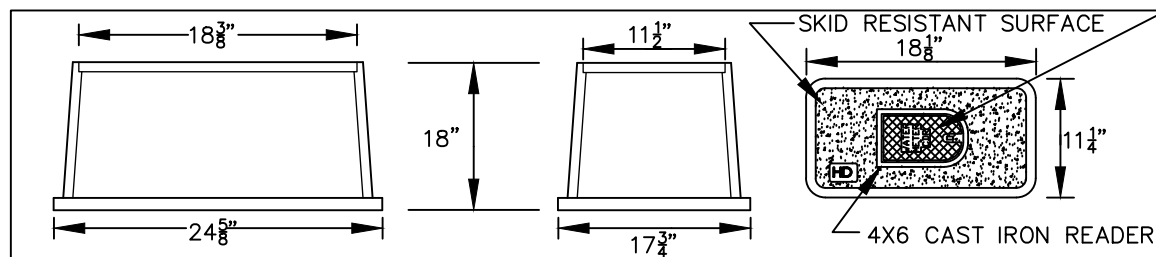
WATER METER SHALL NOT BE LOCATED IN AREAS SUBJECT TO VEHICULAR TRAFFIC

ALL PLASTIC METER BOXES SHALL BE AS MANUFACTURED BY MID-STATE PLASTICS WITH HEAVY DUTY RATED NON-LOCKING POLYMER CEMENT COVER AS CAST IRON READER DOOR AS APPROVED BY THE TOWN

ALL FIBERGLASS METER BOXES WITH POLYMER CEMENT COVERS SHALL BE AS MANUFACTURED BY CDR SYSTEMS CORPORATION WITH A HEAVY DUTY RATED COVER AND CAST IRON READER DOOR AS APPROVED BY THE TOWN

ALL SERVICE LINES, VALVES AND FITTINGS SHALL COMPLY WITH AWWA C800

PURPLE IDENTIFICATION TAPE MARKED: "CAUTION RECLAIM WATER DO NOT DRINK"



STANDARD HEAVY DUTY POLYMER CONCRETE METER BOX

DRAWING NOT TO SCALE

STANDARD 1" WATER SERVICE + METER BOX INSTALLATION (FOR RECLAIMED WATER SERVICE)

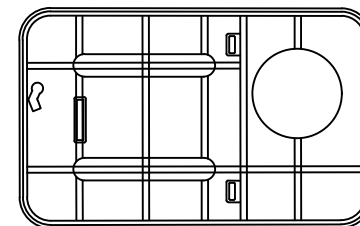
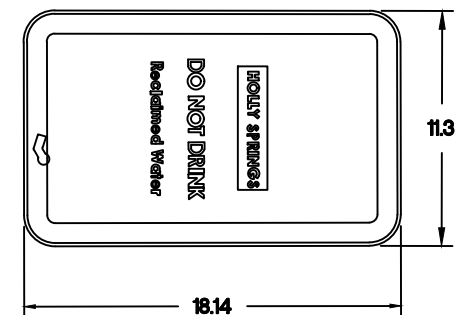
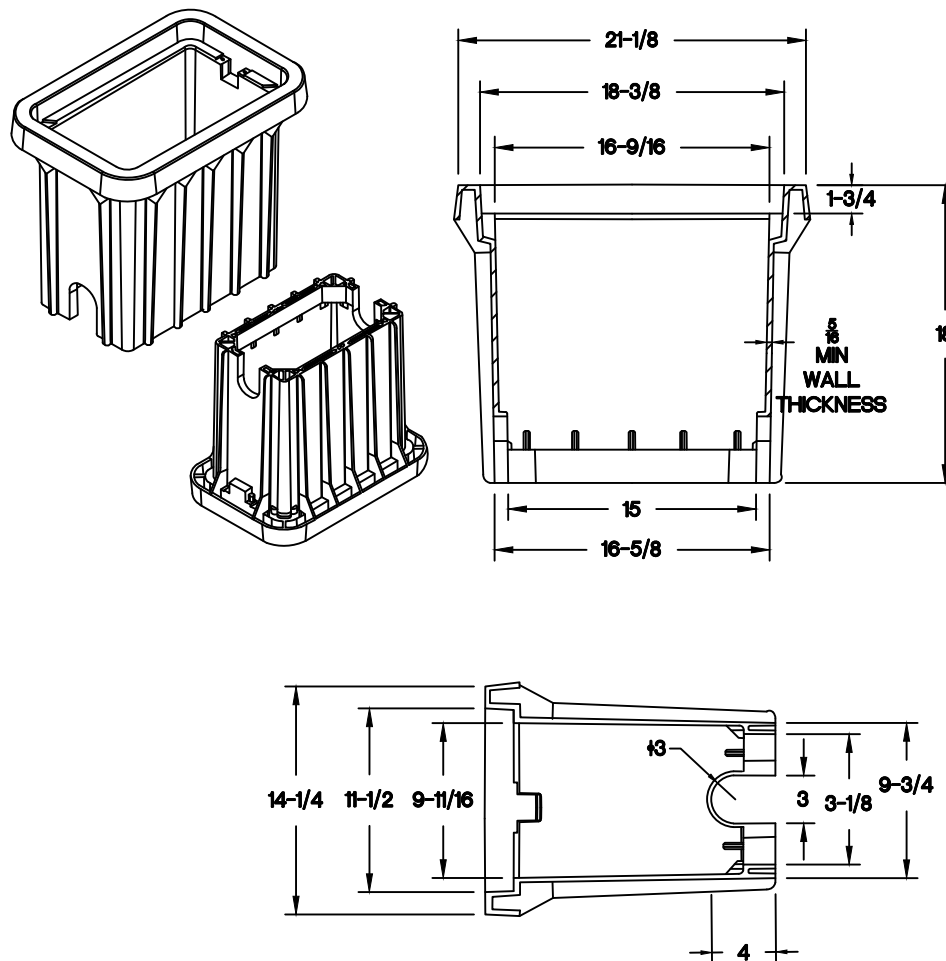
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: HS1105

DATE REVISIONS

8/4/17





Notes:
Box and Lid Color Pantone 522c or Similar

DRAWING NOT TO SCALE

HOLLY SPRINGS RECLAIMED WATER BOX AND LID

TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

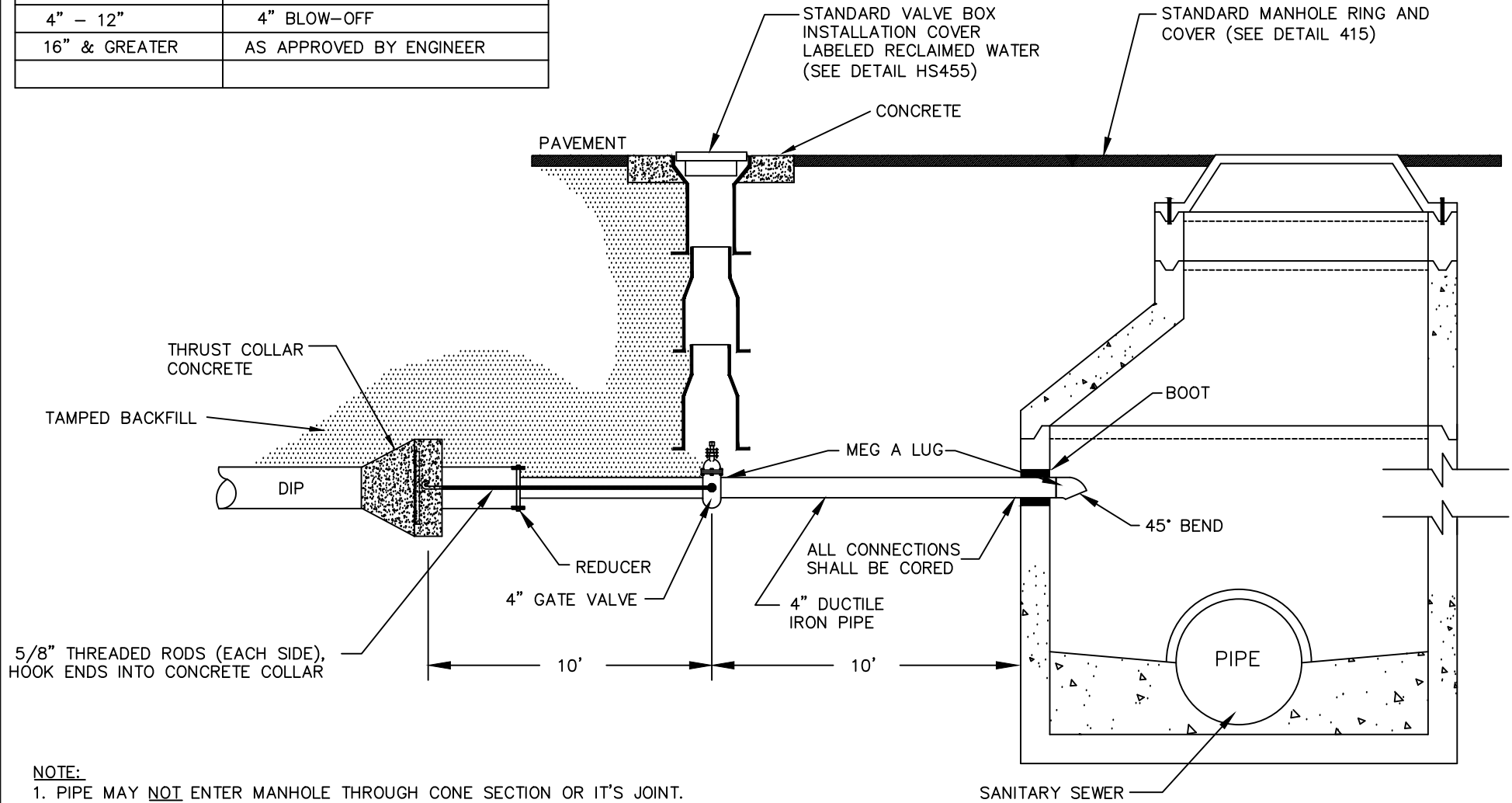
STANDARD DETAIL NUMBER: **HS1106**

DATE REVISIONS

1/4/22



MAIN SIZE	END PIPE SIZE
4" - 12"	4" BLOW-OFF
16" & GREATER	AS APPROVED BY ENGINEER



NOTE:

1. PIPE MAY NOT ENTER MANHOLE THROUGH CONE SECTION OR IT'S JOINT.
2. RODS SHALL BE "HOOKED" INTO THRUST COLLAR.
3. FITTINGS INSIDE MH TO BE COATED.

DRAWING NOT TO SCALE

STANDARD RECLAIMED WATER 4' BLOW-OFF ASSY

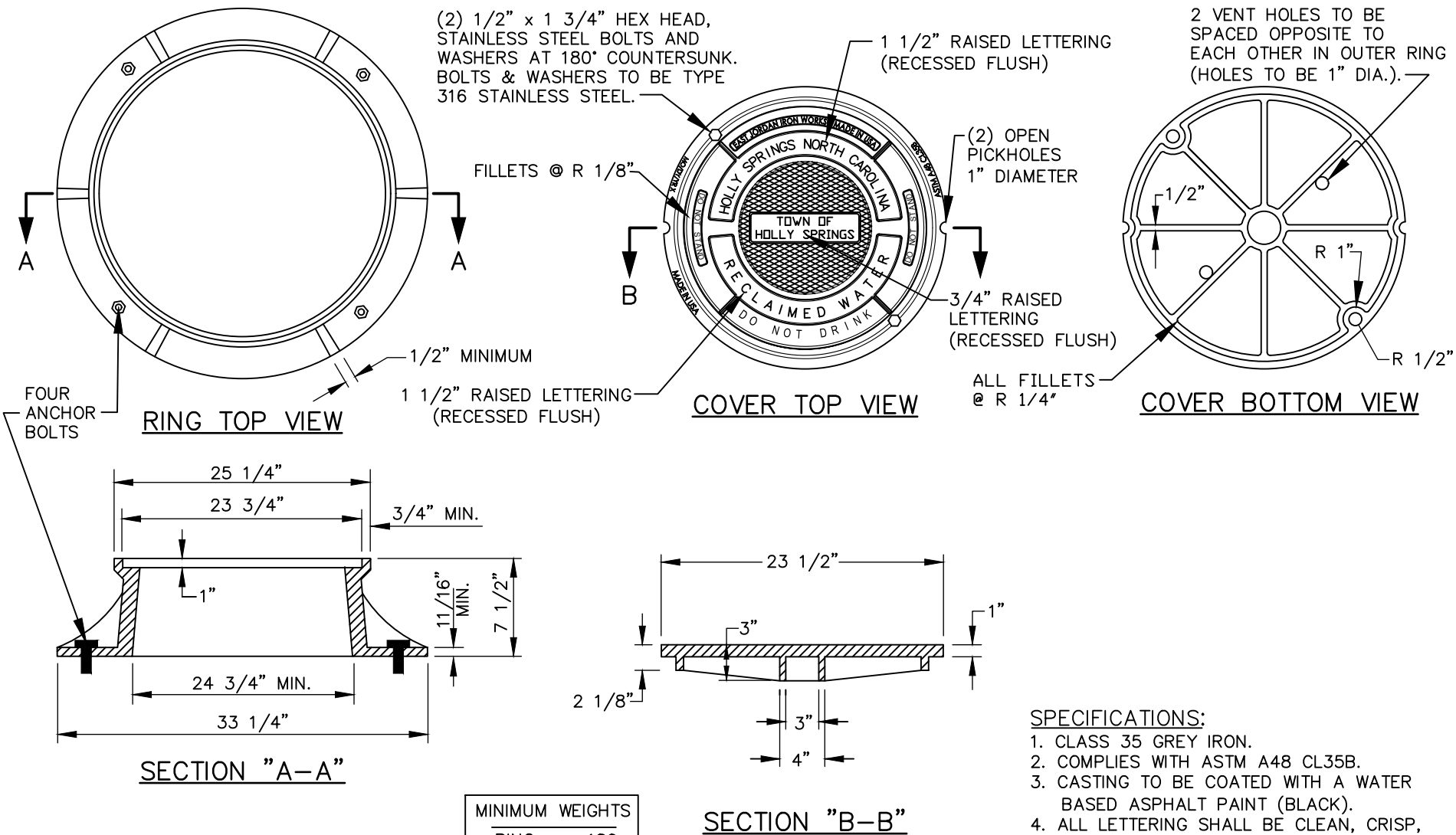
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: **HS1107**

DATE REVISIONS

7/24/09





SPECIFICATIONS:

1. CLASS 35 GREY IRON.
2. COMPLIES WITH ASTM A48 CL35B.
3. CASTING TO BE COATED WITH A WATER BASED ASPHALT PAINT (BLACK).
4. ALL LETTERING SHALL BE CLEAN, CRISP, AND CLEARLY LEGIBLE.
5. DOMESTICALLY MADE & MANUFACTURED IN THE USA.

DRAWING NOT TO SCALE

AIR RELEASE RECLAIMED WATER MANHOLE RING AND COVER

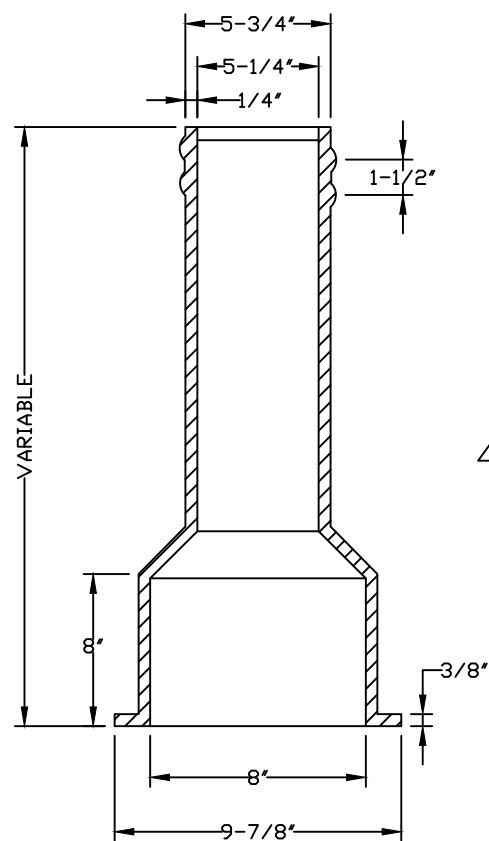
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: **HS1108**

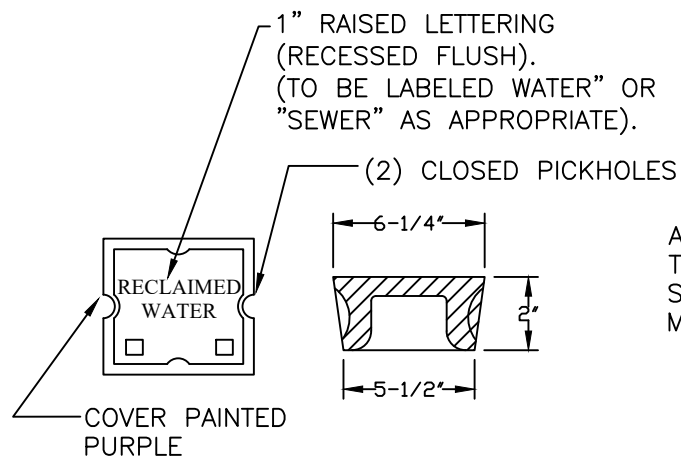
DATE REVISIONS

7/24/09

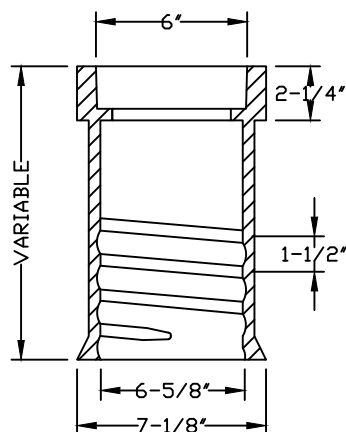




BOTTOM SECTION



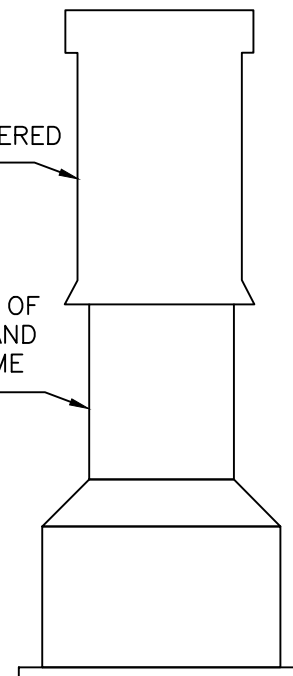
LID



SQUARE UPPER SECTION

BOX SHALL BE CENTERED
OVER VALVE

ALL PARTS SHALL BE OF
THE SAME MATERIAL AND
SUPPLIED BY THE SAME
MANUFACTURER



COMPLETE BOX

NOTES:

1. VALVE BOX COVER SHALL WEIGH A MINIMUM 13 LBS.
2. ENTIRE VALVE BOX ASSEMBLY & COVER SHALL BE CAST FROM 35 GRAY IRON.
3. ASSEMBLY SHALL BE DOMESTICALLY MADE AND MANUFACTURED IN THE U.S.A.
4. ASSEMBLY OTHER THAN COVER SHALL BE PAINTED BLACK.
5. INSTALLATION SHALL BE IN ACCORDANCE WITH STANDARD POTABLE WATER REQUIREMENTS.

DRAWING NOT TO SCALE

STANDARD VALVE BOX (RECLAIMED WATER)

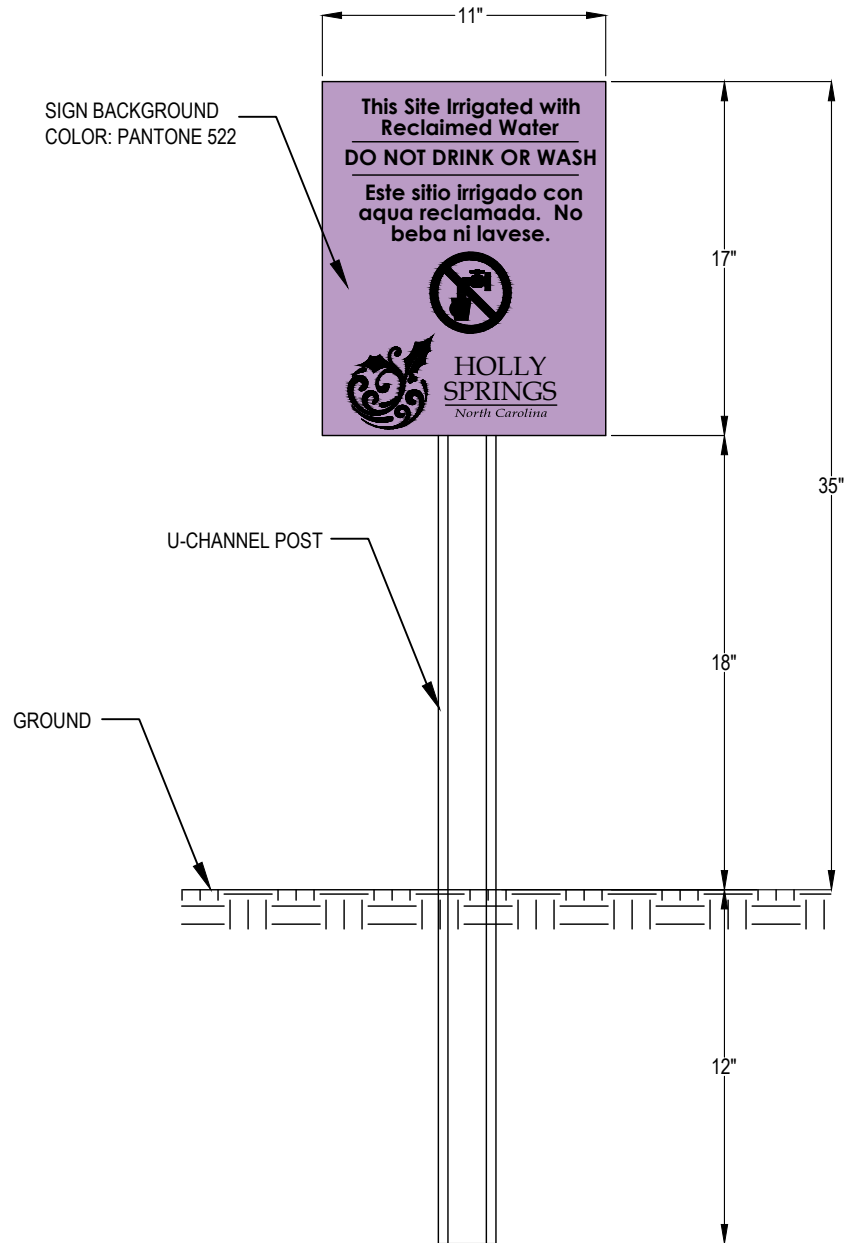
TOWN OF HOLLY SPRINGS ENGINEERING DEPARTMENT

STANDARD DETAIL NUMBER: **HS1109**

DATE REVISIONS

7/24/09





NOTES:

1. MATERIAL TO BE: CHPL (CUSTOM HIGH PRESSURE LAMINATE).
2. U-CHANNEL TO BE BLACK POWDER COATED.

DRAWING NOT TO SCALE

RECLAIMED WATER USAGE SIGN

TOWN OF HOLLY SPRINGS

STANDARD DETAIL NUMBER: HS1110

DATE REVISIONS

12/19/23

