## HAMPTON ROADS SANITATION DISTRICT



## PROJECT TITLE CIP NUMBER

(LOCATION: CITY/COUNTY & STATE)

DATE (MONTH & YEAR)

LEGEND
(ON SEPARATE PAGE FOR LARGE PROJECTS)

VICINITY MAP

MAP SCALE

LOCATION MAP

MAP SCALE

INDEX TO DRAWINGS (ON SEPARATE PAGE FOR LARGE PROJECTS)

ENGINEER'S NAME/LOGO/CONTACT

RESERVE SPACE FOR DRAWING ADDITION OF: CONTRACTOR, NAME & OTHER INFORMATION AS REQUIRED (PIPE MANUFACTURER, ETC.)

**VERTICAL DATUM:** 

ENGINEER'S SEAL

HRSD

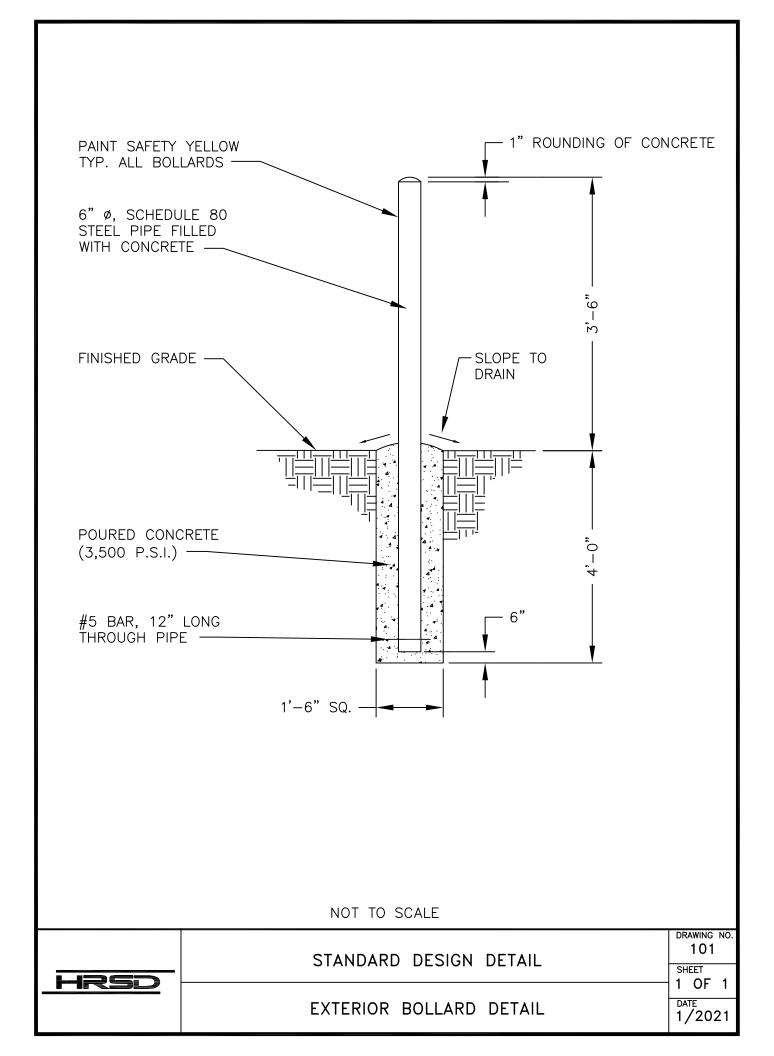
STANDARD DESIGN DETAIL

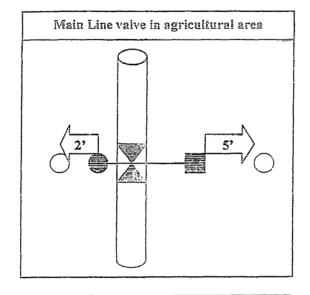
SHEET 1 OF 1

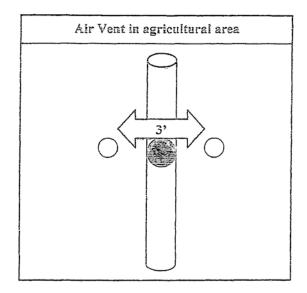
DRAWING NO.

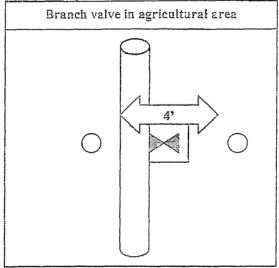
STANDARD COVER SHEET

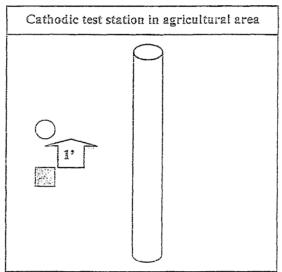
DATE 1/202

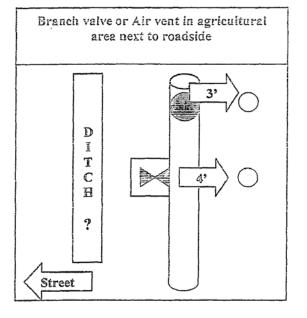












All measurements from center of casting



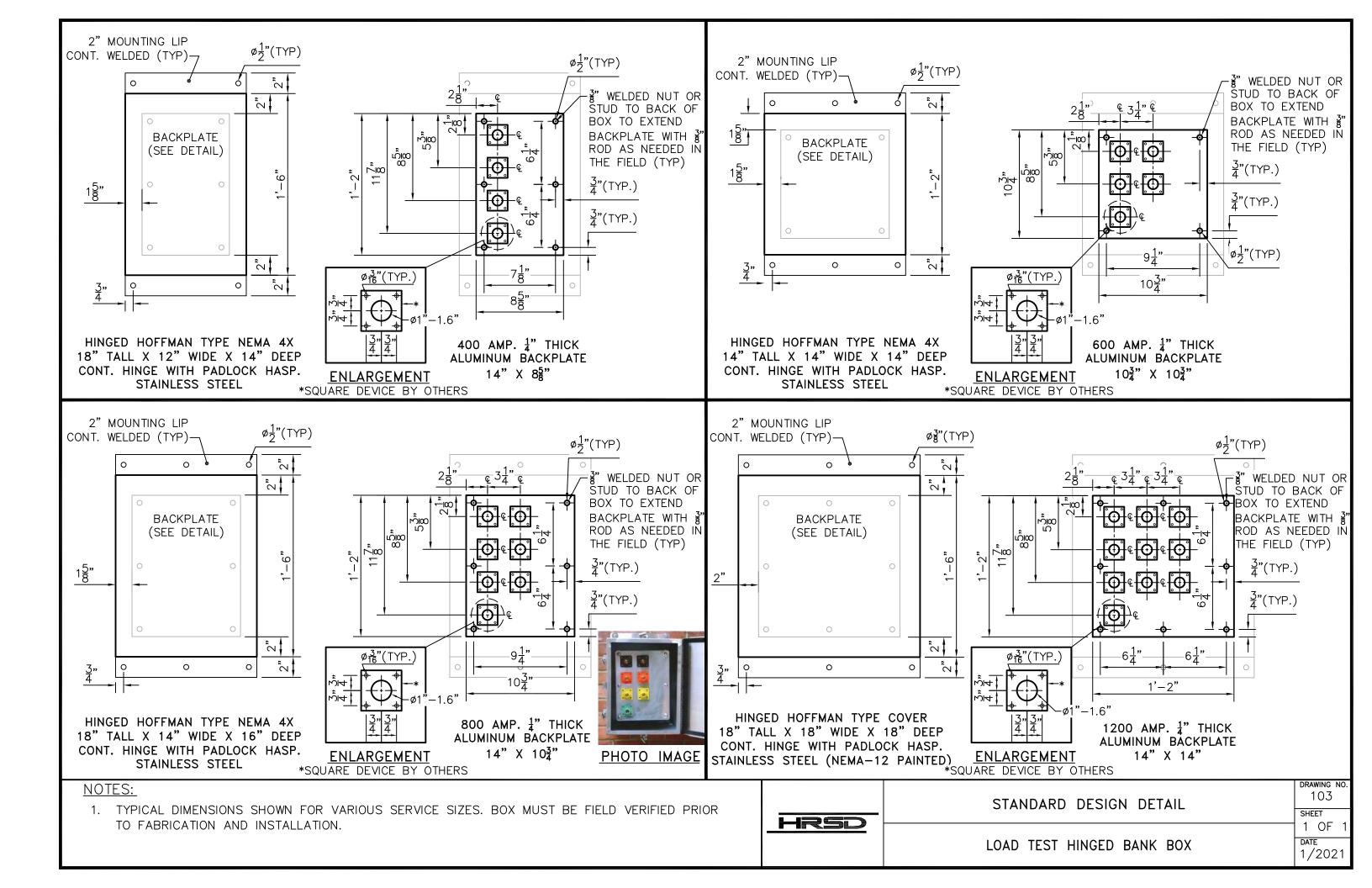
STANDARD DESIGN DETAIL

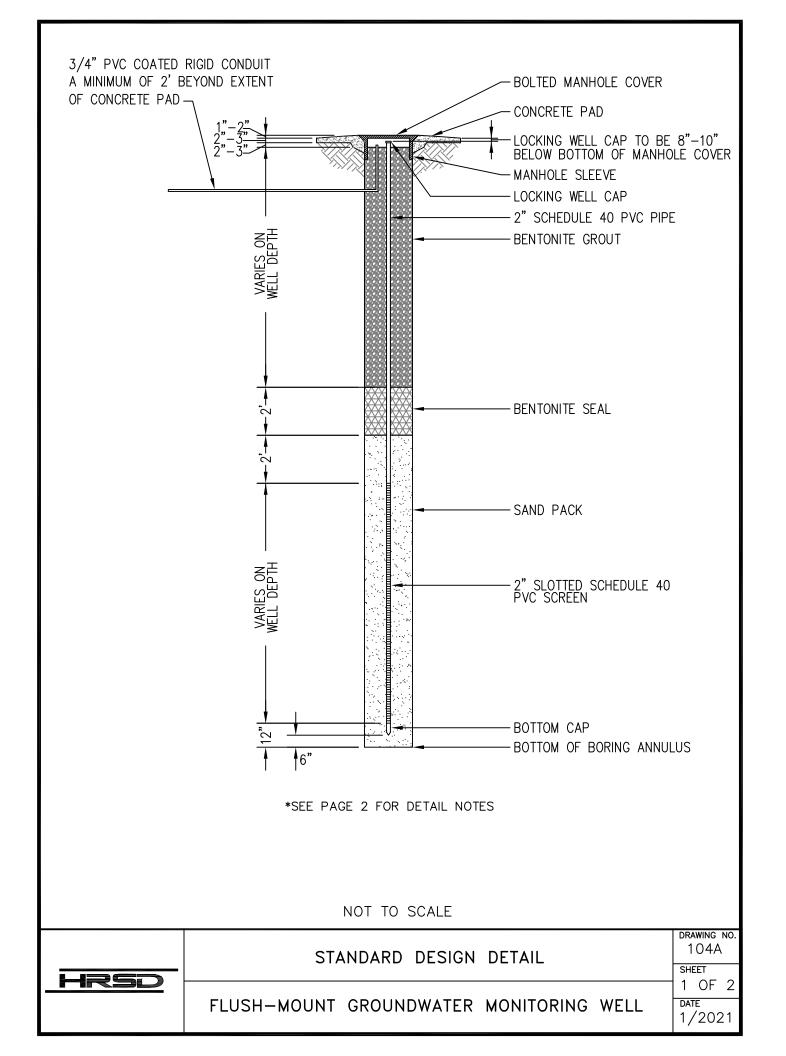
**BOLLARD LOCATION DETAIL** 

DRAWING NO. 102

SHEET 1 OF 1

DATE 1/2021





WELL DEPTH (FT)	PVC PIPING DIAMETER	SCREEN LENGTH* (FT)	SLOTTING SIZE	RISER PIPE LENGTH (FT)	FILTER SAND MEDIA	SEALING MEDIA	SURFACE FINISHING
VARIES	0.75 ID	VARIES	0.010	10'-15' DEPTH=2.5' 15'-20' DEPTH=3.5'	#2	BENTONITE GROUT/NEAT CEMENT	FLUSH MOUNT CASING

<sup>\*</sup>SCREENS LENGTHS COME IN 3FT AND 5FT SECTIONS

## NOTES:

- 1. ONCE THE SCREEN INTERVAL IS INSTALLED, A MINIMUM OF 2 FEET OF SAND SHOULD BE PLACED ABOVE THE SCREEN. ONCE INSTALLED, A MINIMUM OF ONE FOOT THICK SEAL OF BENTONITE SLURRY OR NEAT CEMENT GROUT SHOULD BE PLACED.
- 2. AT FINAL SURFACE GRADE, THE MONITORING WELL SHALL BE PROTECTED WITH FLUSH MOUNT RISER CASING.
- 3. UPON COMPLETION OF WELL INSTALLATION, THE CONTRACTOR WILL DEVELOP THE WELL TO REMOVE SILT FROM WITHIN THE SCREEN INTERVAL.

	STANDARD DESIGN DETAIL	104B			
HRSD					
	FLUSH-MOUNT GROUNDWATER MONITORING WELL	2 OF 2			
	FLUSH-MOUNT GROUNDWATER MONITORING WELL	1/2021			

## "STATION NAME" PUMP STATION LOCATION SKETCH NOT TO SCALE #XXX Station Location VICINITY MAP SITE ADDRESS: XXXXXXXXXXX SCALE: 1"= 1 MILE HORIZONTAL CONTROL: DESCRIPTION: TO REACH THE DISK FROM XXXXXXXXX VIRGINIA STATE PLANE COORDINATE SYSTEM, SOUTH ZONE NORTH AMERICAN DATUM 1983/1996 CORS ADJUSTMENT (US SURVEY FOOT) X,XXX,XXX.XX EAST (FT): \_\_\_\_XX,XXX,XXX.XX NORTH (FT): X,XXX,XXX.XXX EAST (m): X,XXX,XXX.XXX NORTH (m): XX°XX'XX.XXXXX" N LONGITUDE: XX°XX'XX.XXXXX W LATITUDE: SCALE FACTOR: X.XXXXXXXX CONVERGENCE: X°XX'XX.XXXXX" **VERTICAL CONTROL:** DATE ESTABLISHED: NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88) XX/XX/XXXX GPS DATE: (DIFFERENTIAL LEVELING) U.S. SURVEY FEET DATE RECOVERED: ELEVATION XX.XX' Cleaning wastewater every day for a better Bay. 2389 G AVENUE, NEWPORT NEWS, VA 23602 DRAWING NO.

