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



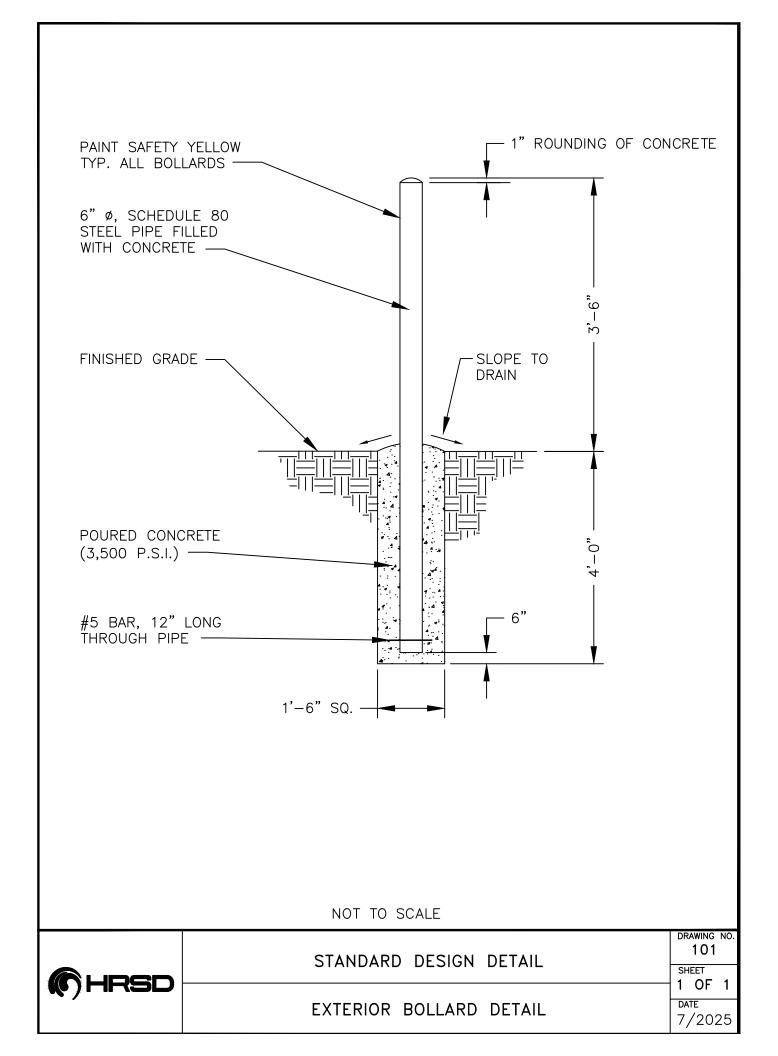
STANDARD DESIGN DETAIL

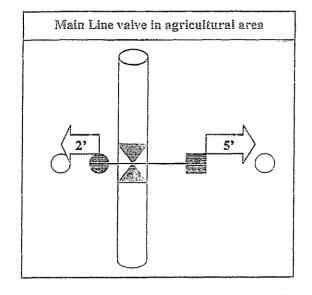
SHEET 1 OF 1

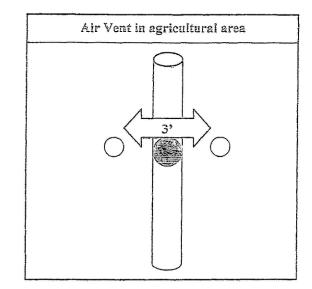
DRAWING NO.

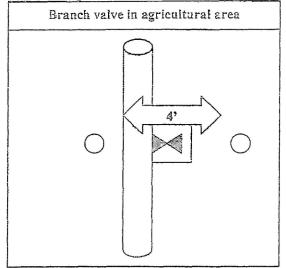
STANDARD COVER SHEET

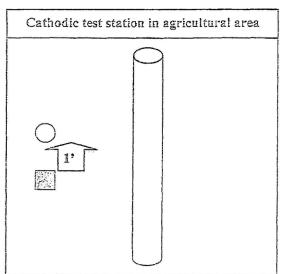
DATE 7/2025

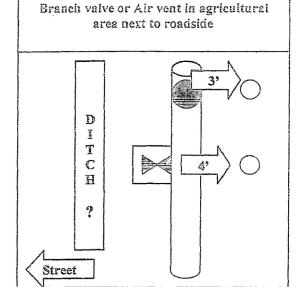












All measurements from center of casting



STANDARD DESIGN DETAIL

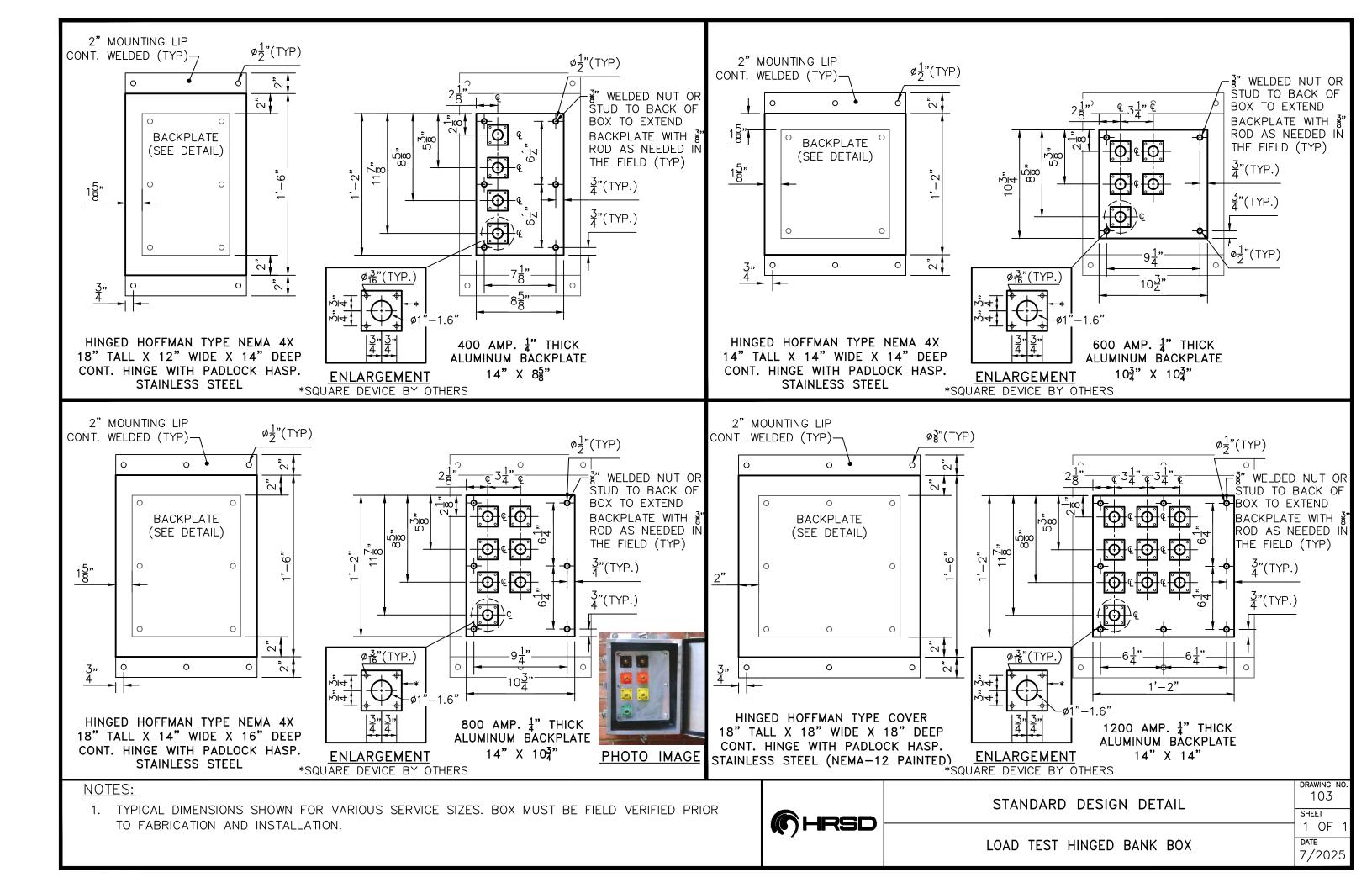
SHEET

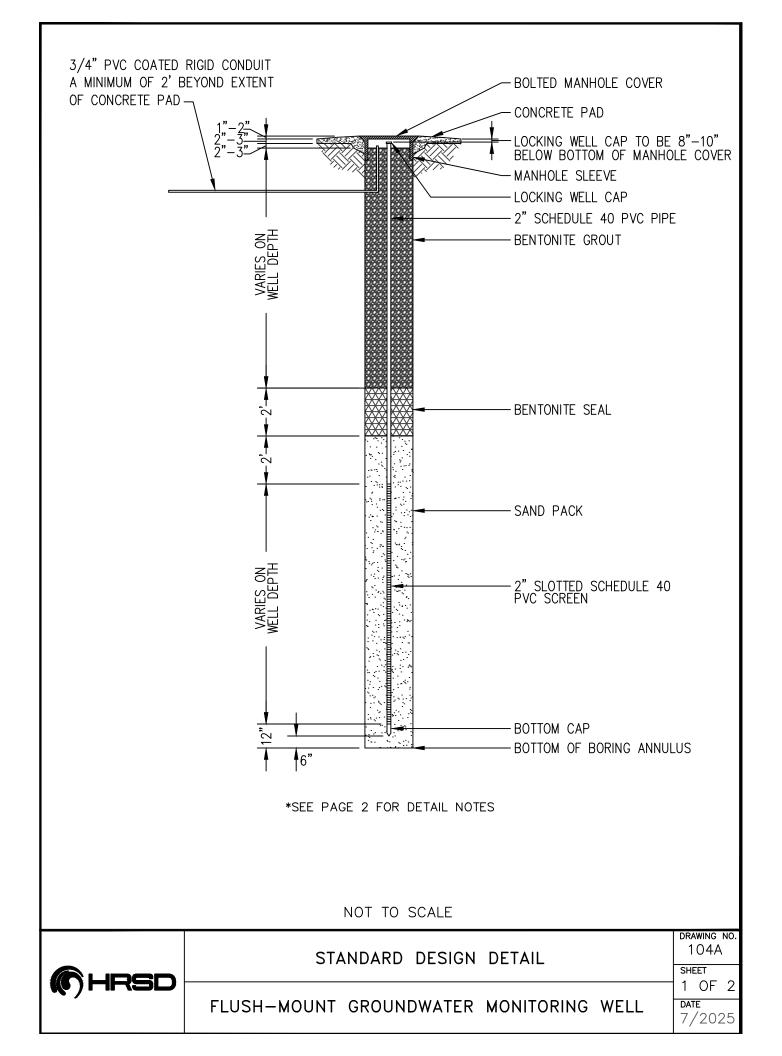
DRAWING NO. 102

BOLLARD LOCATION DETAIL

1 OF 1

DATE 7/2025





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

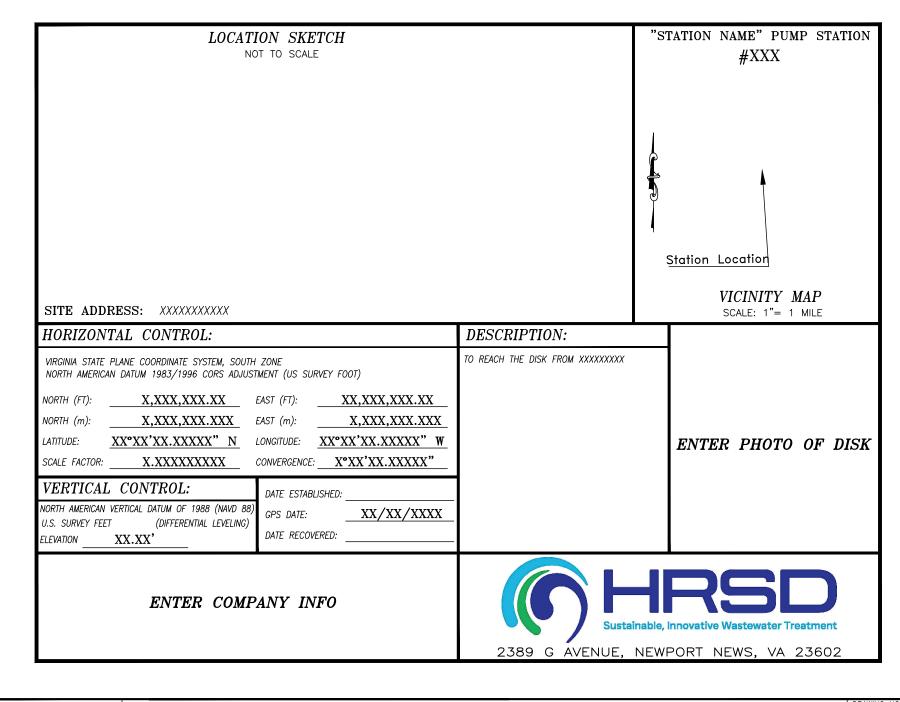
^{*}SCREENS LENGTHS COME IN 3FT AND 5FT SECTIONS

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					
(C) HRSD		SHEET				
		2 OF 2				
	FLUSH-MOUNT GROUNDWATER MONITORING WELL	DATE 7/2025				

DRAWING NO.



(C) HRSD	STANDARD DESIGN DETAIL	105
	STANDARD BENCHMARK SHEET TEMPLATE	1 OF 1 DATE 7/2025