

**NOTE:**

FOR ADDITIONAL NOTES AND DETAILS, SEE DETAIL M/21.2.

PIPE GUARDRAIL WELD  
AND GRIND SMOOTH  
ALL CONNECTIONS

PIPE  
HANDRAIL

PIPE POST, SEE SECTION A-A,  
DETAIL M/21.2

PIPE HORIZONTAL SUPPORT  
MEMBER, WELD AND GRIND  
SMOOTH ALL CONNECTIONS

3'-0"

3'-6"

TOE PLATE

**PIPE POST - DETAIL**

PIPE HANDRAIL  
ON BRACKETS  
WELDED TO POST

1-1/2" MIN.

PIPE POST

PIPE HAND RAIL

6"

3'-6"

3'-0"

TOP OF FLOOR

TOE PLATE

PIPE POST

PIPE HANDRAIL

3"

6"

3'-0"

TOP OF FLOOR  
OR LANDING

TOE PLATE

3"

PIPE POST

6"

3'-0"

3'-6"

TOP OF FLOOR  
OR LANDING

7" MAX.  
RISER HEIGHT

11" MIN.  
THREAD  
DEPTH

**ELEVATION-TYPICAL STAIRS**

WASHINGTON  
SUBURBAN  
SANITARY  
COMMISSION

APPROVED: 8/18/16

*[Signature]*

Chief Engineer

STANDARD DETAIL

STAIR RAIL

M  
21.3