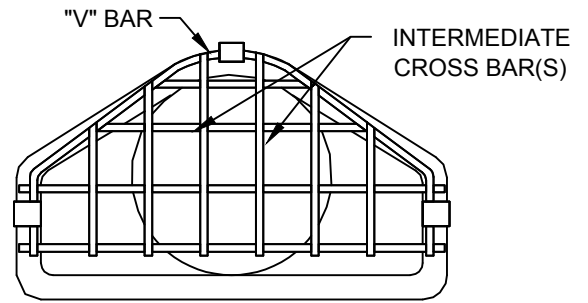


| ROUND     |        | ARCH      |    |
|-----------|--------|-----------|----|
| PIPE SIZE | H      | PIPE SIZE | H  |
| 12"       | 2-1/2" | 22"-29"   | 4" |
| 15"       | 3"     | 36"-44"   | 5" |
| 18"-24"   | 4"     | 51"-65"   | 6" |
| 27"-36"   | 5"     | 73"-102"  | 7" |
| 42"-54"   | 6"     |           |    |
| 60"-72"   | 7"     |           |    |
| 78"-90"   | 8"     |           |    |



**NOTE:**

1. REFER TO VILLAGE STANDARD SPECIFICATIONS FOR STORM SEWER.
2. SECURE THE LAST TWO PIPE SECTIONS, INCLUDING END SECTIONS, USING JOINT TIES.

|            | PIPE SIZE | BOLT DIA. | BAR DIA. |
|------------|-----------|-----------|----------|
| ROUND      | 12"-24"   | 5/8"      | 3/4"     |
|            | 27"-48"   | 3/4"      | 1"       |
|            | 54"-90"   | 1"        | 1-1/4"   |
| ARCH       | 22"-29"   | 5/8"      | 3/4"     |
|            | 36"-59"   | 3/4"      | 1"       |
|            | 65"-88"   | 1"        | 1-1/4"   |
| ELLIPTICAL | 14"-23"   | 5/8"      | 3/4"     |
|            | 19"-30"   | 5/8"      | 3/4"     |
|            | 24"-38"   | 3/4"      | 3/4"     |
|            | 29"-45"   | 3/4"      | 3/4"     |
|            | 34"-53"   | 3/4"      | 3/4"     |
|            | 38"-60"   | 3/4"      | 3/4"     |
|            | 43"-68"   | 1"        | 1"       |
|            | 48"-76"   | 1"        | 1"       |
| 53"-83"    | 1"        | 1"        |          |

SCALE: NTS

**STANDARD ENDWALL GRATE**

DETAIL: STM - 5

DATE: 12-17-18

APPROVED BY: MATT FINEOUR

**VILLAGE OF PLEASANT PRAIRIE**  
KENOSHA COUNTY, WISCONSIN