

KENNEDY K-81, OR APPROVED EQUAL, 5" HYDRANT WITH 1 1/4" SQUARE OPERATION NUT, NO CHAINS ON CAPS. DAMAGED PAINT MUST BE CORRECTED PRIOR TO ACCEPTANCE BY CITY OF GOSHEN

BREAKAWAY FLANGE SET MINIMUM 2" TO MAXIMUM 6" ABOVE FINISH GRADE, USE RISER AS REQUIRED

FIRE HYDRANT MUST BE STRAIGHT AND PLUMB. IF NOT, CONTRACTOR WILL BE REQUIRED TO CORRECT BEFORE ACCEPTED

1 CU. YD. WASHED CRUSHED STONE OR WASHED GRAVEL, 5C MIN. 6" ABOVE WEEP HOLE

PRECAST CONCRETE THRUST BLOCK BEHIND HYDRANT AND TEE AT WATER MAIN

PLUG HYDRANT DRAIN IF BELOW ROUND WATER TABLE

12" X 12" X 2" CONCRETE BLOCK

**NOTES:**

1. FIRE HYDRANT SHALL BE MIN. 1.0' FROM PROPERTY LINE, MIN. 3.0' FROM BACK OF CURB AND/OR MIN. 2.0' FROM SIDEWALK
2. FIRE HYDRANT ASSEMBLY TO INCLUDE TEE AT WATER MAIN, ALL CONNECTING PIPE AND FITTINGS, AUXILIARY GATE VALVE AND BOX AND FIRE HYDRANT
3. GUARD POSTS ARE TO PROTECT A FIRE HYDRANT IN AREAS WHERE VEHICULAR OR EQUIPMENT TRAFFIC MAY BE ENCOUNTERED. REQUIREMENT DETERMINED BY CITY OF GOSHEN
4. NO STRUCTURES, POLES, SIGN POSTS, TREES OR SHRUBS TO BE INSTALLED WITHIN 4.0' OF FIRE HYDRANT
5. PRIVATE HYDRANT COLOR = RED  
PUBLIC HYDRANT COLOR = YELLOW
6. ACCEPTED FIRE HYDRANTS: CLOW MEDALLION AND KENNEDY K81D
7. SEE DETAILS RD-206 AND RD-207 FOR FIRE HYDRANT LOCATION

6" DUCTILE IRON, CLASS 50 (TYP.)

2 1/2" HOSE CONNECTION EACH SIDE WITH THREADS TO ASA B-26 FOR NATIONAL STANDARD FIRE HOSE

4 1/2" STEAMER CONNECTION FACING STREET

3.0' MIN.  
5.0' MAX.

INSTALL TOP OF CASTING 1/4" BELOW FINISHED PAVEMENT. CASTING MAY BE ADJUSTED TO TOP OF HMA BASE AND ADJUSTED USING RINGS TO FINISHED PAVEMENT. FLUSH WITH FINISHED GRADE IN YARD/LANDSCAPED AREAS

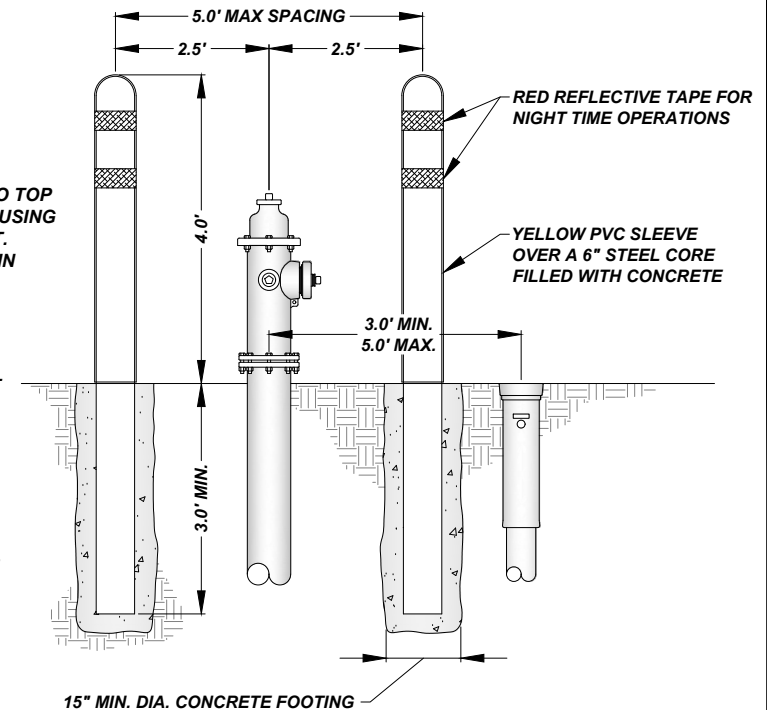
CHECK VALVE BOX FOR PLUMB. IF NOT CENTERED ON VALVE AND PLUMB, CONTRACTOR WILL BE REQUIRED TO CORRECT BEFORE ACCEPTED

INSTALL EXTENSION ROD IF GREATER THAN 6' DEPTH, SECURE WITH PIN

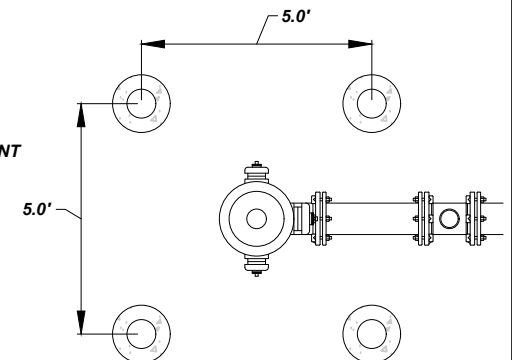
VALVE BOX ALIGNMENT DEVICE, BOXLOK OR EQUIVALENT

WEDGE ACTION RESTRAINING GLAND

IF THE VALVE WILL BE MORE THAN 18' FROM WATER MAIN, PLACE THE VALVE AT WATER MAIN TEE



**FIRE HYDRANT ASSEMBLY WITH BOLLARDS**



**PLAN VIEW**

*The City Of Goshen*  
Department of Public Works & Safety  
Office of Engineering

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## FIRE HYDRANT ASSEMBLY

NOT TO SCALE

Date Approved By The City Of Goshen Board Of Public Works & Safety and Approved Revisions

03/27/2025	07/24/2025				

**CITY OF GOSHEN, INDIANA**  
**STANDARD DETAIL**

Drafted By: J. Hoffman  
Approved By: D. Sailor, P.E.

Drawing Number:  
**WA-401**