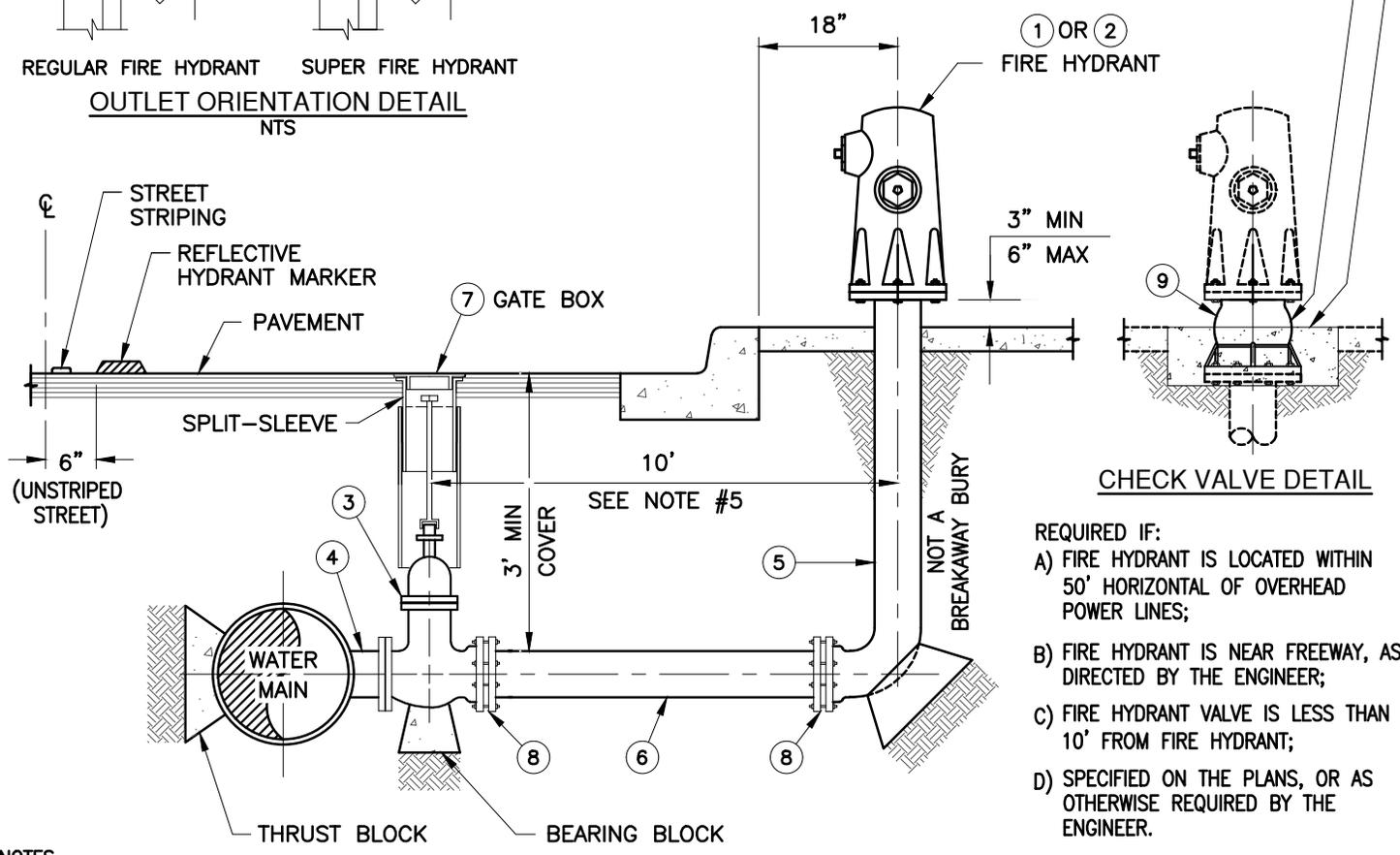


8" THICK CONCRETE COLLAR, 1' FROM FH EDGE TO OUTSIDE EDGE. FINISH SURFACE SHALL BE BELOW CONNECTING BOLTS/NUTS. INSTALLATION MAY VARY PER MANUFACTURER'S RECOMMENDATIONS.

CHECK VALVE PER MANUFACTURER'S RECOMMENDATIONS.



- CHECK VALVE DETAIL**
- REQUIRED IF:
- A) FIRE HYDRANT IS LOCATED WITHIN 50' HORIZONTAL OF OVERHEAD POWER LINES;
  - B) FIRE HYDRANT IS NEAR FREEWAY, AS DIRECTED BY THE ENGINEER;
  - C) FIRE HYDRANT VALVE IS LESS THAN 10' FROM FIRE HYDRANT;
  - D) SPECIFIED ON THE PLANS, OR AS OTHERWISE REQUIRED BY THE ENGINEER.

**NOTES**

- 1.) REGULAR OR SUPER HYDRANT IN ACCORDANCE WITH PLAN AND SPECIFICATIONS.
- 2.) BREAK-OFF BOLTS REQUIRED BETWEEN FIRE HYDRANT AND FLANGE IN ACCORDANCE WITH SPECIFICATIONS. INSTALL WITH NUT ON TOP.
- 3.) DI BURY AND FIRE HYDRANT FLANGE SHALL BE 6-HOLE.
- 4.) FIRE HYDRANT OUTLETS SHALL FACE STREET.
- 5.) FIRE HYDRANT VALVE SHALL BE A MINIMUM OF 10 FEET FROM HYDRANT.
- 6.) THRUST AND BEARING BLOCKS PER CWD-030
- 7.) FURNISH AND INSTALL A STIMSONITE MODEL 88AB TWO-WAY BLUE REFLECTIVE FIRE HYDRANT MARKER DIRECTLY OPPOSITE HYDRANT, LOCATE MARKER ON HYDRANT SIDE OF STREET CENTERLINE IN ACCORDANCE WITH THE ABOVE DETAIL, WITH REFLECTIVE SIDE FACING ONCOMING TRAFFIC, PROVIDE 2 - MARKERS FOR HYDRANTS INSTALLED AT INTERSECTIONS.
- 8.) ALL PIPE TO BE POLYETHENE-ENCASED PER SPECIFICATION SECTION 306.
- 9.) IF MAIN LINE MUST BE WET TAPPED, SEE CWD-504.

| BILL OF MATERIALS   |          |           |
|---|----------|-----------|
| ITEM  | QUANTITY | REFERENCE |
| ① REGULAR FIRE HYDRANT<br>OUTLETS: 1 - 2 1/2", 1 - 4"           | 1        |           |
| ② SUPER FIRE HYDRANT<br>OUTLETS: 2 - 2 1/2", 1 - 4"             |          |           |
| ③ 6" RW GATE VALVE, (FL x MJ)                                   | 1        | CWD-500   |
| ④ 6" FLANGED TEE  | 1        |           |
| ⑤ 6" DI BURY, (FL x MJ)<br>BREAKAWAY BURY IS NOT PERMITTED      | 1        |           |
| ⑥ 6" DI PIPE  | 1        |           |
| ⑦ 8" GATE BOX CAP, GALV SPLIT-SLEEVE,<br>AND 12 GA STL PIPE     | 1        | CWD-515   |
| ⑧ APPROVED RESTRAINT SYSTEM                                     | 2        |           |
| ⑨ AVK FLOWGUARD II BREAK-OFF CHECK VALVE,<br>OR APPROVED EQUAL. | 1        |           |



WATER DISTRIBUTION & TRANSMISSION PIPELINE CONSTRUCTION METHODS

REGULAR AND SUPER FIRE HYDRANT DETAIL