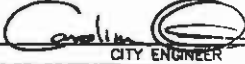


- ① FIRE HYDRANT. 4 1/2 INCH OUTLET SHALL FACE THE STREET. BOLTS ATTACHING FIRE HYDRANT TO BREAK-OFF SPOOL SHALL BE OF THE BREAK-OFF TYPE, HEX HEAD, WITH THE HEAD ON TOP OF THE SPOOL FLANGE. HYDRANT SHALL BE LOCATED AT PROPERTY LINES, OUTSIDE OF CURB RETURN AREAS, AND AT LEAST 3 FEET FROM DRIVEWAYS WHERE POSSIBLE.
- ② 12" BREAK-OFF SPOOL. BREAK-OFF GROOVE TO BE ABOVE CONCRETE. POLYWRAP SPOOL BELOW CONCRETE PAD.
- ③ BURY SECTION. FLANGED x MECHANICAL JOINT. (USE RESTRAINING GLAND IF REQUIRED.) POLYWRAP.
- ④ CLASS "A" CONCRETE THRUST BLOCK IF LATERAL HAS UNRESTRAINED JOINTS. (SEE DETAIL #519).
- ⑤ 6 INCH PVC C900 OR DUCTILE IRON C151. POLYWRAP DUCTILE IRON PIPE.
- ⑥ 6 INCH RESILIENT WEDGE GATE VALVE. FLANGED x MECHANICAL JOINT (USE RESTRAINING GLAND IF REQUIRED). POLYWRAP.
- ⑦ TEE WITH FLANGED CONNECTION FOR VALVE. POLYWRAP.
- ⑧ 6" PVC RISER. MUST BE PLUMB WITHIN 1 INCH.
- ⑨ CHRISTY TYPE G-5 TRAFFIC BOX. LID SHALL READ "WATER".
- ⑩ 4 INCH MIN. THICKNESS CONCRETE PAD, 36 INCH x 36 INCH SQUARE OR AS NECESSARY TO ACCOMMODATE BOLLARDS (DETAIL #517). CENTER FIRE HYDRANT IN PAD. SLOPE PAD TO MATCH SIDEWALK, CURB, OR FINISHED GRADE. (TYP. 2%)
- ⑪ REFLECTIVE BLUE MARKER (TYPE DB). AT INTERSECTIONS: TWO MARKERS SHALL BE INSTALLED PERPENDICULAR TO FIRE HYDRANT ON EACH STREET AND 9 INCHES INSIDE OF CENTERLINE. (SEE DETAIL #516)
- ⑫ TRACER WIRE. (SEE DETAIL #513)
- ⑬ PROVIDE EXTENSION IF OPERATING NUT EXCEEDS MAXIMUM OF FOUR (4) FEET FROM FINISHED GRADE. EXTENSION SHALL INCLUDE A STEADYING PLATE.
- ⑭ CONCRETE COLLAR WITH 2" AC.

NOTES:

- A. ALL NUTS, BOLTS, AND WASHERS ON FLANGED FITTINGS SHALL BE STAINLESS STEEL TYPE 304 EXCEPT FOR BREAK-OFF BOLTS. FITTINGS SHALL BE WRAPPED AND BEDDED IN SAND.
- B. WHERE NO R/W OR EASEMENT EXIST BEHIND NEW OR EXISTING SIDEWALK, AND FOR AREAS WITH SEPARATED SIDEWALK, INSTALL CENTER OF FIRE HYDRANT 18 INCHES BEHIND FACE OF CURB.
- C. CONCRETE SHALL BE CLASS "A".
- D. LOWEST STEM OF FIRE HYDRANT SHALL HAVE A MIN. CLEARANCE OF 17 INCHES AND A MAX. CLEARANCE OF 24 INCHES TO GRADE.
- E. HYDRANTS SHALL BE SPRAY PAINTED W/ONE (1) PRIMER COAT AND TWO (2) FINISH COATS OF LIFEMASTER PRO 4200 SERIES INTERIOR/EXTERIOR WATERBORNE ACRYLIC SEMI-GLOSS ENAMEL AS MANUFACTURED BY ICI DEVCO COATINGS, OR APPROVED EQUAL. R/W HYDRANTS SHALL BE PAINTED "SAFETY YELLOW" AND PRIVATE HYDRANTS SHALL BE PAINTED "SAFETY RED".
- F. BOLLARDS SHALL BE PLACED PER STANDARD DETAIL #517.

THE CITY OF WEST SACRAMENTO – STANDARD DETAIL

APPROVED BY: 	C-38733	3/31/05
CITY ENGINEER	P.E. NO.	DATE
REVISION:		
REVISION:		
REVISION:		
REVISION:		

TITLE:
**FIRE HYDRANT
 LATERAL AND
 VALVE ASSEMBLY**
 STANDARD
 DETAIL #: 515

