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 UNRESTRIRED 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. 8" 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%) 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 STEADING 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. LOWER 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/CHEM (1) PRIMER COAT AND TWO (2) FINISH COATS OF LIFEMASTER PRO 4200 SERIES INTERIOR/EXTERIOR WATERBORNE ACRYLIC SEMI-GLOSS ENAMEL AS MANUFACTURED BY ICI DECO 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.