NOTES:
1. ALL NUTS, BOLTS, AND WASHERS SHALL BE ASTM A-276 TYPE 316 STAINLESS STEEL.
2. SEE STANDARD SPECIFICATION FOR EPOXY COATING AND LINING OF VALVES AND FITTINGS.
3. INSTALL THRUST BLOCKS AND JOINT RESTRAINTS TO SUPPORT TEE, PER PLANS OR AS DIRECTED BY THE CITY ENGINEER.
4. PROVIDE 3-FOOT MINIMUM CLEARANCE AROUND FIRE HYDRANT. PROVIDE 5-FOOT IF REQUIRED BY PLAN.
5. ALL MECHANICAL JOINTS SHALL BE WRAPPED IN PETROLATUM TAPE WRAP SYSTEM, SEE DETAIL W-23.
6. A NEW FIRE HYDRANT SHALL BE INSTALLED WITHIN 50- FEET OF UNHindered RUNNING HOSE TO ANY NEW FIRE DEPARTMENT CONNECTION, THE NEW HYDRANT REQUIREMENT AND LOCATION SHALL BE REVIEWED AND APPROVED BY THE FIRE AGENCY.

FIRE HYDRANT TYPE | MODEL | OUTLET SIZES
--- | --- | ---
TYPE A - DRY BARREL | MUELLER A-423 | 2-2 1/2" & 1-4 1/2"
TYPE B - WET BARREL | LOW 97 | 1-2 1/2" & 2-4 1/2"
TYPE C - WET BARREL | LOW 78 | 1-2 1/2" & 2-4 1/2"
TYPE D - WET BARREL | LOW 865 | 1-2 1/2" & 2-4 1/2"

FIRE HYDRANT CLEARANCES FROM FACE OF CURB:
- MONOLITHIC CURB & SIDEWALK - 18"
- PARKWAY STRIPS - 2'

VALVE BOX & RISER SEE STANDARD W-42

#8 AWG TRACING WIRE MUST BE LONG ENOUGH TO EXTEND 2' ABOVE BOX

EXIST. AC

EXIST. AC

SPlice WIRE TO MAIN WIRE WITH BRASS SPLIT WIRE NUTS

MAIN RUN X 6" TEE

THrust BLOCK SEE DETAIL W-10 & W-11

GATE VALVE 6" FLMOJ SEE STANDARD SPEC'S FOR GATE VALVE

EXOTHERMIC WELD (TYP.) SEE DETAIL W-22

INSTALL AWG #4 HMWPE BOND WIRES ACROSS FLANGE (TYP.) SEE DETAIL W-20 AND W-21 FOR CATHODIC PROTECTION DETAIL

INSTALL INSULATION FLANGE KIT

EXTEND LOCATOR WIRE 2' ABOVE SIDEWALK

BREAKAWAY BOLTS, (TYP.)

BREAKAWAY SPOOL

HYDRANT EXTENSION LENGTH - 6" MIN. AND 18" MAX.

30° WIDE TO UNDISTURBED EARTH

BURY

SEE FIRE HYDRANT TABLE, SEE LEFT

CITY OF REDWOOD CITY
ENGINEERING AND TRANSPORTATION

FIRE HYDRANT

STANDARD DETAIL
W - 3
PVC