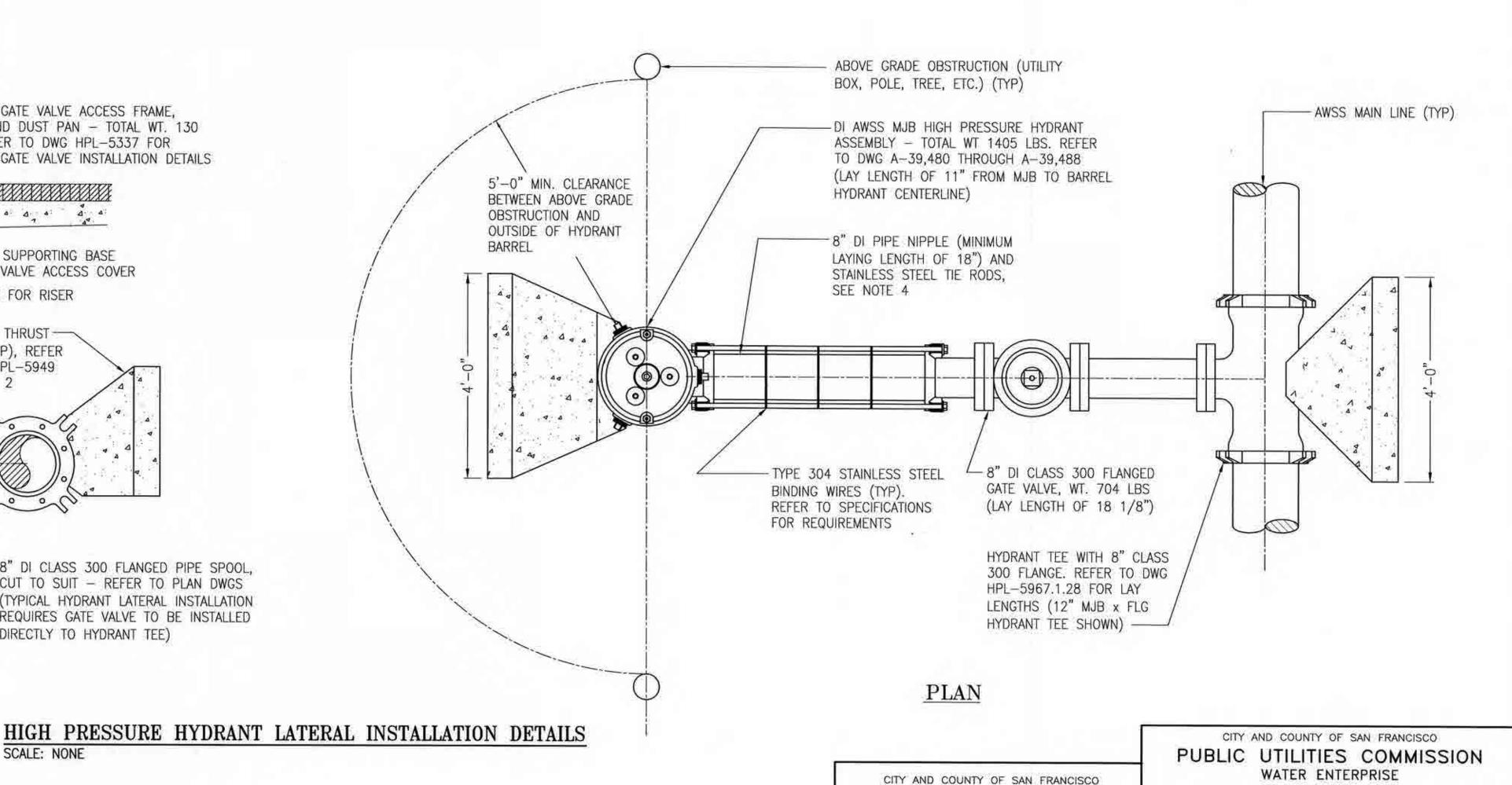
MAIN PIPE DIAMETER	MINIMUM LAY LENGTH & MAIN TO & OF HYDRAN
10"	72 ½"
12"	73 §"
14"	75 ≩"
16"	76 7"
18"	77 ½"
20"	79 🖁

27"±.50" FOR SIDEWALK 10' AND GREATER 24"±.50" FOR SIDEWALK LESS THAN 10' DUCTILE IRON HYDRANT FINISH PLATES (PAIR). - FACE OF CURB (FOC) REFER TO DWG HPL-5324A FOR DETAILS -HYDRANT GATE VALVE ACCESS FRAME, SIDEWALK GRADE COVER AND DUST PAN - TOTAL WT. 130 OFFICIAL PAVEMENT LBS. REFER TO DWG HPL-5337 FOR GRADE HYDRANT GATE VALVE INSTALLATION DETAILS installar CONCRETE SUPPORTING BASE FOR GATE VALVE ACCESS COVER -8" DI PIPE FOR RISER CONCRETE THRUST -BLOCK (TYP), REFER DUCTILE IRON HYDRANT TO DWG HPL-5949 RISER (NOT SHOWN), AND NOTE 2 SEE NÔTE 3 CONCRETE **HYDRANT** -8" DI MJB x FLG 8" DI CLASS 300 FLANGED PIPE SPOOL. 2'-6" SQUARE BLOCK, ADAPTOR (LAY CUT TO SUIT - REFER TO PLAN DWGS REINFORCING BARS x 6" THICK MIN. SEE NOTE 2-LENGTH OF (TYPICAL HYDRANT LATERAL INSTALLATION 6 - 3/8" BARS, 12 1/2") REQUIRES GATE VALVE TO BE INSTALLED 2'-4" LONG DIRECTLY TO HYDRANT TEE)

PROFILE

NOTES:

- 1. TYPICAL DEPTH OF HYDRANT LATERAL PIPING IS 5'-0" FROM FINISHED STREET GRADE TO CENTERLINE OF PIPE. WHERE PIPE DEPTH IS GREATER, INSTALL DUCTILE IRON HYDRANT RISER(S) PER NOTE 3.
- 2. CONCRETE HYDRANT BLOCK SHALL BE POURED/CURED PRIOR TO THE INSTALLATION OF THE HYDRANT ASSEMBLY AND THE POURING OF THE CONCRETE THRUST BLOCK. CONCRETE HYDRANT BLOCK AND THRUST BLOCKS SHALL BE POURED AGAINST SOLID/UNDISTURBED SOIL.
- 3. HYDRANT RISER(S) (MAXIMUM OF 24" AND THREE RISERS TOTAL) TO BE INSTALLED AS REQUIRED TO MEET THE HYDRANT DIMENSION OF 20" FROM CENTERLINE OF OUTLET FACING STREET TO FINISHED SIDEWALK LOCATION. REFER TO DWGS HPL-39,417A AND HPL-39,417B FOR HYDRANT RISER FABRICATION DETAILS.
- 4. MAXIMUM LENGTH OF TIE RODS IS 5'-5". WHERE THE LENGTHS OF TIE RODS WOULD EXCEED 5'-5". REFER TO PIPING PLAN DWG FOR INSTALLATION OF STOP COLLARS AND COLLAR STOPS. REFER TO DWG 49,102 FOR DETAILS OF THE STAINLESS STEEL TIE RODS, NUTS, WASHERS, AND DWG HPL-A-5975.1 FOR COLLAR STOPS.
- 5. ALL FLANGES, BOLTS, NUTS, AND WASHERS SHALL BE MANUFACTURED FROM TYPE 316 STAINLESS STEEL. FOR CLARITY NOT ALL TIE RODS, BOLTS, NUTS, WASHERS, ARE SHOWN ON THIS DWG.
- 6. REFER TO TABLE ON THIS SHEET FOR THE MINIMUM LAYING LENGTH BETWEEN THE CENTERLINES OF THE HYDRANT TEE AND THE HYDRANT BARREL
- 7. REFER TO DWG HPL-5142.1 WHEN HIGH PRESSURE HYDRANT IS TO BE INSTALLED OVER A SIDEWALK BASEMENT AND IN A HYDRANT AREA WAY.
- 8. REFER TO SPECIFICATIONS FOR ADDITIONAL MATERIAL AND INSTALLATION INFORMATION, INCLUDING TRENCHING, SHORING, BACKFILLING AND TESTING OF THE INSTALLED HYDRANT LATERAL
- 9. REFER TO THE SPECIFICATIONS FOR PAINTING OF HYDRANT. BONNET AND OUTLET CAPS SHALL BE PAINTED TO THE COLORS AS DIRECTED BY THE CITY REPRESENTATIVE.



NO. DATE

REFERENCES:

AWSS DWGS NUMBERS: HPL-5324 CH1 REV. 2, DATED MARCH 1934 HPL-5950 REV. 2, DATED MARCH 2005 HPL-5324 CH3 REV. 2, DATED OCTOBER 2008 FOR THE SOLE USE OF THE DOCUMENT RECIPIENT - DO NOT CITE, COPY, OR CIRCULATE WITHOUT THE EXPRESS PERMISSION OF THE SFPUC.

REFERENCES GATE BOOK PAGES, PLANS, SURVEY NOTES, ETC, USED GATE BOOK PAGES

No. M 30683

SAN FRANCISCO PUBLIC WORKS BUREAU OF DESIGN AND ENGINEERING MM/WC 01/2019 DEPUTY BUREAU MANAGER 12/19/18 DESIGNED MBS
BUREAU MANAGER 12/19 CHECKED EL 01/2019 01/2019

DESCRIPTION

REVISIONS

COMBINED CITY PROJECT AUXILIARY WATER SUPPLY SYSTEM WORK DETAILS II

CITY DISTRIBUTION DIVISION

19TH AVENUE (STATE ROUTE 1)

NONE Lew L. Will 01/2019 MANAGER, CITY DISTRIBUTION DIVISION MA-D08 111,583 285 OF 356

PROJECT ID PLAN APPROVAL DATE CONTRACT No. DISTRICT COUNTY ROUTE POST MILES TOTAL PROJECT 04-0G3501 0400000325 R0.94/4.05

SCALE: NONE

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

RED 0.70MM
YELLOW 0.20MM
GREEN 0.25MM
CYAN 0.40MM
BLUE 0.50MM
MAGENTA 0.20MM
WHITE 0.35MM
GRAY 0.15MM
9 0.15MM
10 1.00MM
100 0.50MM
210 0.50MM FILE:

PLOT: EXTENTS SCALE: 1:1 BORDER:

COLOR: No.

22,34

EXP. 06/30/20