

Figure 1 illustrates a typical cross-section of a water main and sewer line. The diagram shows four horizontal lines representing different infrastructure layers. From top to bottom: 1. PROPOSED WATER LINE: A solid line with two 'WA' labels. 2. EXISTING WATER LINE: A dashed line with three 'WA' labels. 3. PROPOSED SEWER LINE: A solid line with two 'SS' labels and arrows pointing left. 4. EXISTING SEWER LINE: A dashed line with three 'SS' labels and arrows pointing left. A 'LUMINARY' label is at the bottom right. A small square icon is at the bottom center.

MATCHLINE MATCHLINE

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NOTES

GENERAL

1. SEE SHEET C1.1 FOR STANDARD AND SUPPLEMENTAL NOTES RELATING TO IMPROVEMENTS ILLUSTRATED ON THE SHEET.
2. USE MILD STD. PLAN 208 WHERE VERTICAL CHANGES IN PIPE ALIGNMENT ARE REQUIRED TO MAINTAIN MINIMUM COVER AND/OR TO AVOID OTHER UTILITIES.
(VERTICAL ALIGNMENT THRUFAST BLOCKS NOT SHOWN FOR CLARITY.)
3. ALL FIRE LINES MUST BE THROWN TO THE WORDS "FIRE LANE - NO PARKING" ON ALTERNATE SIDES 50 FEET ON CENTER, OR IN THE CENTER OF THE FIRE LANE 50 FEET ON CENTER. LETTERS TO BE A MINIMUM OF 12" HIGH AND YELLOW. FIRE DEPARTMENT MUST VERIFY LOCATIONS PRIOR TO MARKING. (SEE ARCH PLANS)
4. PRIVATE FIRE SYSTEMS SHOWN ON THESE PLANS ARE FOR GENERAL INFORMATION ONLY AND REQUIRE A SEPARATE PLAN AND PERMIT.
5. PLACE POLYETHYLENE PLASTIC FOAM BETWEEN UTILITIES WITH 6" OR LESS CLEARANCE.
6. WHERE SANITARY WATER LINES CROSS UNDER WATER LINES WITH 18" OR LESS OF CLEARANCE OR CROSS OVER WATER LINES (MINIMUM 18" CLEARANCE REQUIRED) SEWER LINE SHALL BE CONSTRUCTED WITH A MINIMUM 18" LENGTH OF PVC C900 WITH ITS MIDPOINT ALIGNED TO THE CROSSING LOCATION.
7. ALL WATER MAINS SHALL BE BAGGED PER CITY OF MILWAUKEE STANDARDS. ALL MAINS SHALL BE RESTRAINED. ALL BONDS AND FITTINGS SHALL BE DOUBLE RESTRAINED (FIELD LOC GASSETS).
8. OWNER IS RESPONSIBLE FOR ALL SANITARY SEWER ON PROJECT.

CONSTRUCTION KEYNOTES

1. CONNECT TO EXISTING 8" SS LINE WITH NEW MANHOLE PER MLT STD PLAN #305 30'±. SOUTH OF ADJACENT SSMH TO NORTH. VERIFY INVERT ELEVATION PRIOR TO CONSTRUCTION.
2. 8"x6" PVC WYE CONNECTIONS.
3. 6" PVC SIDE SEWER.
4. CONNECTION POINT FOR BUILDING SANITARY SEWER.
5. 8" PVC SEWER LINE.
6. RESET MANHOLE RIM
7. SS CLEANOUT PER MLT STD. PLAN 303.
8. SSMH PER MLT STD PLAN #305. PROVIDE 2' PRECAST BASE SECTION AND FLAT TOP SECTION.
9. CUT EXISTING SS LINE SOUTH OF PROPOSED ROCKERY AND REPLACE LINE TO NEW MANHOLE SLEEVE NEW SS LINE WITH 12" DIA D.I. PIPE AT ROCKERY LOCATION.
10. SEE NOTE 6 FOR CONSTRUCTION DETAILS AT SANITARY SEWER/WATER MAIN CROSSINGS.

- 1 FIRE SPRINKLER SERVICE WITH PIN AND FLEX COUPLING. PROVIDE RESTRAINED JOINTS FROM TRUNK LINE CONNECTION TO INTERIOR OF BUILDING. VERIFY SIZE WITH MECH ENGINEER. SEE FIRE & SPRINKLER PLANS FOR ADDITIONAL INFORMATION. (SEE NOTE 4)
- 2 NEW 2" TYPE K COPPER DOMESTIC WATER SERVICE AND METER ASSEMBLY PER CITY OF MOUNTLAKE TERRACE STD. PLAN 203. VERIFY SIZE WITH MECH CONTRACTOR/ENGINEER. MATERIALS, INSTALLATION, DEPTH AND BEDDING PER CITY OF MOUNTLAKE TERRACE REQUIREMENTS. PROVIDE 3/4" MAJEL TEE AND GATE VALVE AT CONNECTION TO MAIN. PROVIDE DOUBLE CHECK VALVE AT INCOMING SHUTOFF VALVE TO BUILDING.
- 3 FIRE HYDRANT ASSEMBLY PER CITY OF MOUNTLAKE TERRACE STD. PLAN 201.
- 4 WATER SERVICE CONNECTION TO MAIN.
- 5 FIRE DEPARTMENT CONNECTION.
SEE FIRE & SPRINKLER PLANS FOR ADDITIONAL INFORMATION. (SEE NOTE 4)
- 6 SPRINKLER CONTROL ROOM.
- 7 DUCTILE IRON FITTING AND/OR GATE VALVE.
- 8 THROST BLOCK(S) PER CITY OF MOUNTLAKE TERRACE STD. PLAN 209.
(SEE NOTE 2).
- 9 CUT IN 8" TEE TO EXISTING 8" WATER MAIN. PROVIDE FLEX COUPLING ON SERVICE LINE TO SITE.
- 10 (1)8X6 FL TEE, (1)8X8 FL TEE, (2) FLEX COUPLINGS.
ALIGN 8X6 TEE IN CENTER OF LANDSCAPE ISLAND FOR FIRE HYDRANT ASSEMBLY.
PROVIDE FLEXIBLE COUPLINGS ON TRUNK LINE AT ENDS OF TEE ASSEMBLY.
- 11 DUCTILE IRON WATER MAIN.

DATE: 5/25/00
BY: Douglas Bohannon
SHALL REMAIN ON
JOB SITE

[illegible]

DESIGN:	JSH
DRAWN:	JSH
CHECK:	JSH
JOB NO:	99079.20
DATE:	5/17/00

**TAYLOR'S LANDING
216TH STREET SW
MOUNTLAKE TERRACE, WA**

SHEET:

C4.1

WATER/SEWER PLAN
SCALE: 1" = 30'

THESE PLANS HAVE BEEN PREPARED FOR AGENCY REVIEW AND ARE SUBJECT TO CHANGE. DO NOT USE FOR CONSTRUCTION OR BIDDING PURPOSES WITHOUT SIGNED AGENCY APPROVAL STAMP. CALL BEFORE YOU DIG 1-800-424-5555.