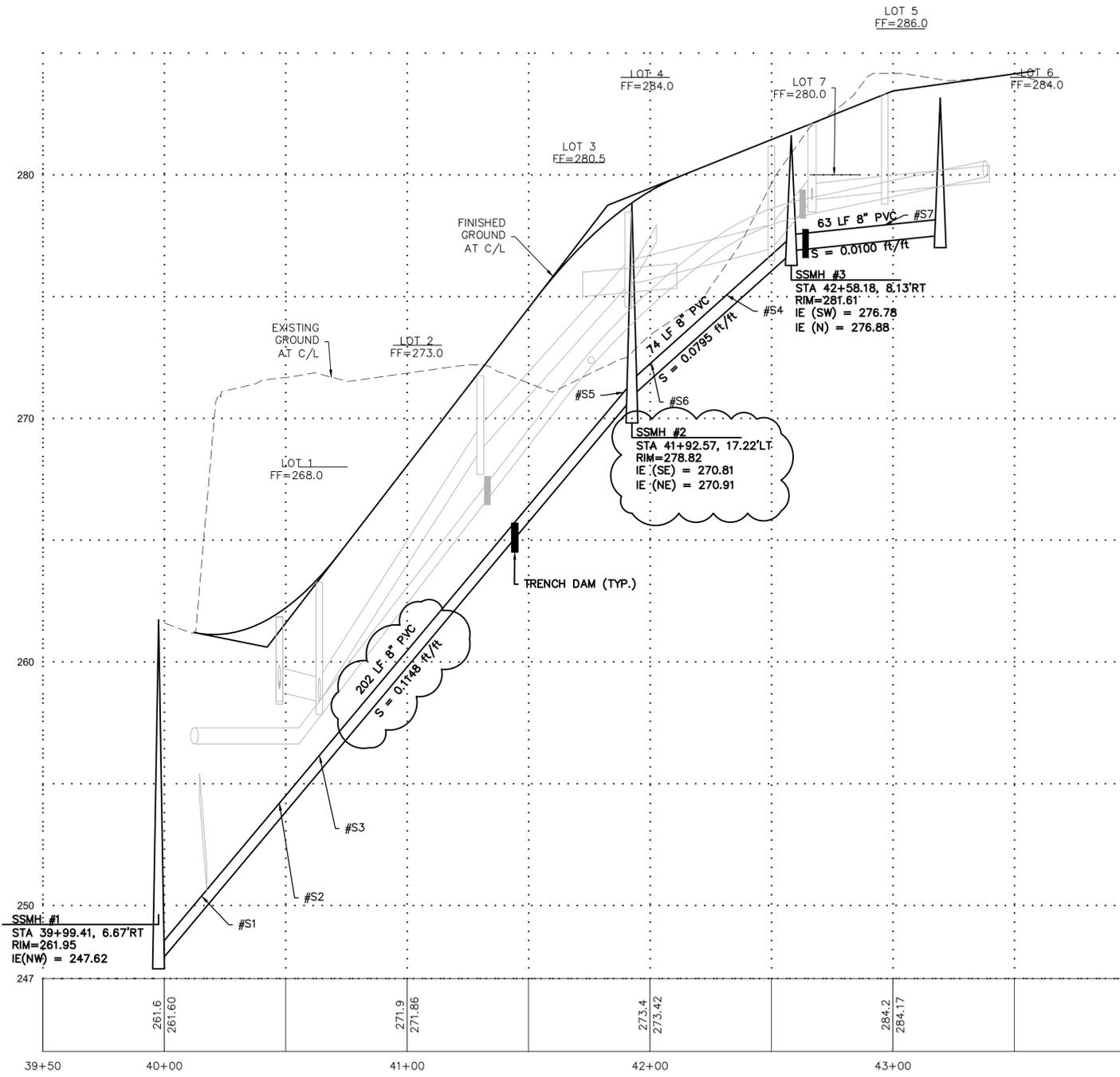
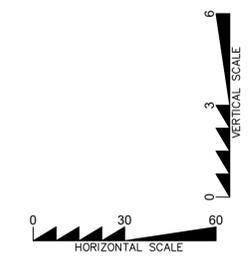


MATTSON HILL SP

SW 1/4 SECTION 8, TOWNSHIP 29N, RANGE 6E, W.M.



SEWER UTILITY CROSSING TABLE				
#	TOP SS	BOTT SD	BOTT WA	VERT. DIFF.
S1	SS-SD	250.32	253.35	3.03'
S2	SS-SD	253.99	258.86	4.87'
S3	SS-SD	255.89	260.54	4.65'
S4	SS-WA	275.02	277.05	2.03'
S5	SS-SD	270.84	272.56	1.72'
S6	SS-SD	272.17	276.56	4.39'
S7	SS-SD	277.94	279.48	1.54'



BY	DESCRIPTION	DATE

SEWER PROFILE

2707 WETMORE AVE.
EVERETT, WA 98201
1 425.903.4852
1 425.259.1958

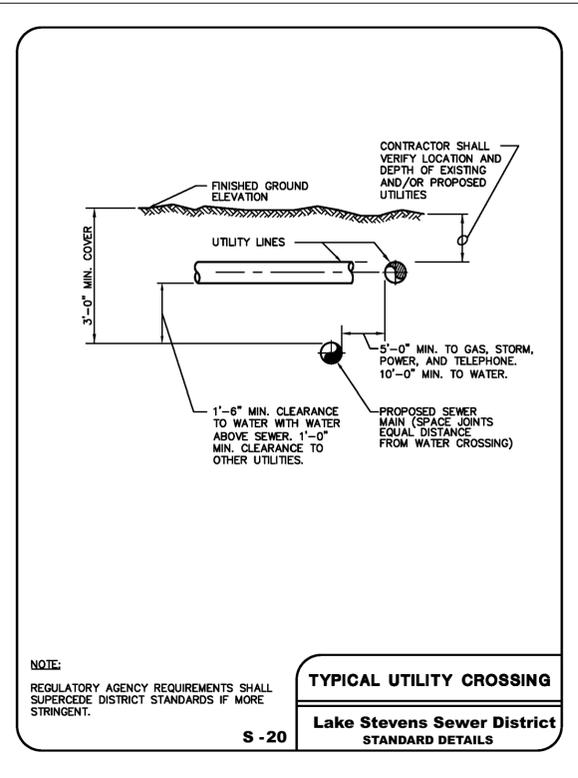
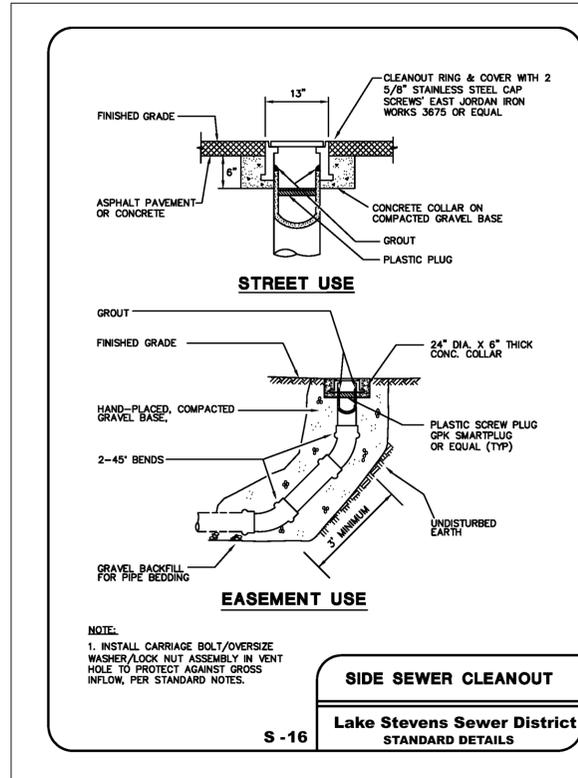
OMEGA ENGINEERING, INC.

MATTSON HILL SP
CITY OF LAKE STEVENS, WASHINGTON
PORTION OF SECTION 8, TOWNSHIP 29 NORTH, RANGE 6 EAST, W.M.

PROJ. NO.	23-1018	DES. BY	JMS
DATE	3/7/2025		
SCALE	1" = 30'		
DRAWING NO.	3	OF	5

MATTSON HILL SP

SW 1/4 SECTION 8, TOWNSHIP 29N, RANGE 6E, W.M.



SANITARY SEWER NOTES

- ALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE LAKE STEVENS SEWER DISTRICT WHICH ARE CONTAINED IN THE MOST CURRENT VERSION OF THE "WSDOT STANDARD SPECIFICATIONS" FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION, PUBLISHED BY WSDOT AND APWA, EXCEPT AS OTHERWISE SPECIFIED IN THE DISTRICT'S "DEVELOPER STANDARDS FOR THE CONSTRUCTION OF SANITARY SEWER SYSTEMS".
- ALL SIDE SEWER LATERALS SHALL TERMINATE IN A 6-INCH TEST TEE WITH APPROVED WATERTIGHT CAPS. THE TEE LOCATION SHALL BE MARKED BY THE CONTRACTOR WITH A 2" BY 4" TIMBER EXTENDED VERTICALLY FROM THE PIPE INVERT, IMMEDIATELY BEYOND THE CAP END, TO A MINIMUM OF 24 INCHES ABOVE THE GROUND SURFACE. A 12-GAGE GALVANIZED OR COPPER WIRE SHALL BE ATTACHED TO THE TIMBER FROM END TO END. NEITHER THE WIRE NOR THE 2" BY 4" SHALL BE ATTACHED TO THE SIDE SEWER PIPE OR CAP. THE EXPOSED PORTION OF THE 2" BY 4" SHALL BE PRE-PAINTED TRAFFIC WHITE WITH THE WORD "SEWER" STENCILED ON WITH BLACK PAINT AND THE LENGTH OF THE 2" BY 4" SHALL BE MARKED IN PERMANENT INDELIBLE INK.
- A MINIMUM 15-FOOT EASEMENT, LYING 7.5 FEET ON EACH SIDE OF SANITARY SEWER LINES AND/OR APPURTENANCES IS TO BE FURNISHED BY THE OWNER WHEN SUCH SEWERS ARE LOCATED ON OTHER THAN PUBLIC RIGHTS-OF-WAY. EASEMENT WIDTH SHALL BE ADEQUATE FOR FUTURE MAINTENANCE AND REPLACEMENT OF THE SEWER.
- NO SERVICE SHALL BE CONNECTED WITHOUT PRIOR APPROVAL FROM LAKE STEVENS SEWER DISTRICT. THE CONSTRUCTION INSPECTOR CANNOT AUTHORIZE THE CONNECTION OF ANY BUSINESS OR RESIDENCE TO THE SEWER SYSTEM.
- VERIFY EXISTING MANHOLE ELEVATIONS PRIOR TO CONSTRUCTION.
- ALL MANHOLE COVERS SHALL HAVE A GALVANIZED CARRIAGE BOLT/WASHER /NUT ASSEMBLY IN THE PICK HOLE, TO SEAL THE PICK HOLE AGAINST GROSS INFLOW. BOLT SHALL BE 5/8" DIAMETER WITH A 1" MINIMUM O.D. WASHER AND LOCK NUT INSTALLED ON THE UNDERSIDE OF THE COVER, AND INSTALLED WITH A MINIMUM OF 2" SLACK SO THAT THE CARRIAGE HEAD MAY BE LIFTED AND USED AS A GRAB POINT TO REMOVE THE COVER.
- ALL ROADWAY WORK SHALL CONFORM TO R/W STANDARDS OF SNOHOMISH COUNTY EDDS, LATEST EDITION. THE UPPER 8 FEET OF BACKFILL IN EASEMENT AREAS SUBJECT TO VEHICLE TRAFFIC SHALL BE COMPACTED TO 95% OF MAXIMUM PROCTOR DRY DENSITY PER ASTM D-1557, ALL OTHER LOCATIONS COMPACTED TO 90%.
- CONTRACTOR SHALL REPLACE AND/OR RESTORE ALL PUBLIC AND PRIVATE IMPROVEMENTS IN A CONDITION EQUAL TO THAT WHICH EXISTED PRIOR TO CONSTRUCTION. CONSTRUCTION AREA SHALL BE FINE GRADED UPON COMPLETION IN UNIMPROVED AREAS AND SLOPED TO PREVENT PONDING.
- LOCATIONS OF EXISTING UTILITIES SHOWN IN THESE PLANS ARE APPROXIMATE AND MAY NOT BE COMPLETE. ACTUAL UTILITY LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THE CONTRACTOR SHALL LOCATE AND PROTECT ALL EXISTING UTILITIES. CALL 1-800-424-5555 2 FULL WORKING DAYS BEFORE CONSTRUCTION FOR UTILITY LOCATIONS.
- FLEXIBLE BOOT CONNECTIONS TO SANITARY SEWER MANHOLES, WHERE USED, SHALL BE GROUTED INSIDE, UNLESS DIRECTED OTHERWISE BY THE DISTRICT INSPECTOR.
- ALL MANHOLE SECTION JOINTS SHALL BE GROUTED ALONG THE INSIDE AND OUTSIDE CIRCUMFERENCE.
- ALL SECTIONS OF THE COMPLETED SEWER INSTALLATION INCLUDING SIDE SEWER LATERALS SHALL BE REQUIRED TO PASS AN AIR TEST BY THE TIME PRESSURE DROP METHOD.

- CUT SHEETS SHALL BE APPROVED BY THE DISTRICT'S ENGINEER A MINIMUM OF 2 WORKING DAYS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONTACT THE DISTRICT TWO WEEKS PRIOR TO CONSTRUCTION TO ARRANGE FOR A PRE-CONSTRUCTION MEETING.
- NO SIDE SEWER CONNECTION SHALL BE MADE TO THE SEWER SYSTEM BEFORE FLUSHING, TELEVISION INSPECTION, MANDRELING, AND SUCCESSFUL PRESSURE TESTING OF THE MAIN.
- SADDLE MANHOLE CONSTRUCTION SEQUENCE:
 - NOTIFY DISTRICT OF INTENT TO CONSTRUCT WITHIN OPEN LIVE SEWER.
 - EXCAVATE AROUND PIPE. PREPARE BEDDING. SUPPORT PIPE. PRECUT EXISTING PIPE FOR NEW CHANNEL; LEAVE CUT SECTION IN PLACE TO PROTECT CHANNEL FROM DEBRIS.
 - SET BASE OVER PIPE. BLOCK TO GRADE.
 - POUR CONCRETE FOUNDATION AND SHELF. SEAL NEW PIPE PENETRATIONS.
 - AFTER CONCRETE IS CURED, COMPLETE MANHOLE INSTALLATION.
 - REMOVE PRECUT PIPE SECTION ONLY AFTER FRAME AND COVER ARE IN PLACE.

FIELD CHANGES

- LSSD WILL NOT PAY FOR ANY FIELD CHANGES ON DEVELOPER PROJECTS.
- FIELD CHANGES MUST BE APPROVED BY THE DISTRICT ENGINEER WHO MAY REQUIRE APPROVAL BY THE DESIGN ENGINEER.

SPECIFICATIONS

- MANHOLES SHALL BE 48-INCH PRECAST CONCRETE, TYPE 1, AS SHOWN ON WSDOT/APWA STANDARD PLAN B-15.20-00, UNLESS OTHERWISE INDICATED ON THE APPROVED PLANS.
- CAST IRON FRAMES AND COVERS SHALL HAVE THE WORD "LAKE STEVENS SEWER DISTRICT" IN THREE (3) INCH RAISED LETTERS.
- WITHIN PAVED RIGHTS-OF-WAY, PRIVATE ROADWAYS AND OTHER HEAVILY TRAFFICKED PAVED AREAS, MANHOLE FRAMES SHALL BE PROVIDED WITHOUT LOCKING LIDS AND LOCKING TABS. IN ALL OTHER LOCATIONS, MANHOLE FRAMES SHALL BE PROVIDED WITH LOCKING LIDS SECURED WITH THREE (3) COUNTERSUNK STAINLESS STEEL HEX BOLTS. WHERE LOCATED IN UNTRAVELED AREAS, A GREEN FIBERGLASS MARKER POST SHALL BE PROVIDED.
- PVC PIPE SHALL BE EXTRA STRENGTH PLASTIC PIPE CONFORMING TO ASTM DESIGNATION D3034, SDR 35. PIPE JOINTS SHALL BE "BELL AND SPIGOT" WITH FLEXIBLE RUBBER GASKET, GREEN JM TRX-11 OR EQUAL.
- KOR-N-SEAL BOOTS COMPOSED OF RUBBER COMPLYING WITH ASTM C923 AND 304 STAINLESS STEEL CLAMPS AND EXPANDERS SHALL BE USED WHERE PVC PIPE ENTERS A MANHOLE. SUCH COUPLINGS SHALL BE GROUTED INSIDE AND OUTSIDE AFTER TIGHTENING.
- MANHOLE STEPS AND LADDERS MUST BE STEEL-REINFORCED POLYPROPYLENE.



Know what's below.
Call two business
days before you dig.

BY	DESCRIPTION	DATE	R#

DETAILS

2707 WETMORE AVE.
EVERETT, WA 98201
1-425-903-4852
1-425-259-1958

OMEGA ENGINEERING, INC.

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CITY OF LAKE STEVENS, WASHINGTON
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PROJ. NO. 23-1018	DES. BY. JMS
DATE: 3/7/2025	
SCALE: N.T.S.	
DRAWING NO. 5	OF 5