



**NOTES:**

1. THE GAS LINE LOCATIONS SHOWN ON THIS PLAN ARE APPROXIMATE. GAS LINE LOCATIONS ARE BASED UPON RECORD DRAWINGS PREPARED BY VERMONT GAS SYSTEMS, INC.
2. PROPERTY LINE LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND BASED ON TAX MAP INFORMATION.
3. THE ENGINEER SHALL PROVIDE THE CONTRACTOR WITH CONTROL POINTS ONLY. SUCH CONTROL WILL BE SET ONE TIME ONLY.
4. ALL THE CATCH BASIN FRAMES AND GRATES, MANHOLE FRAMES AND COVERS THAT ARE BEING PERMANENTLY REMOVED OR REPLACED SHALL BE SALVAGED TO THE VILLAGE OF ESSEX JUNCTION PUBLIC WORKS DEPARTMENT.
5. ALL PAVEMENT MARKINGS SHALL PAINTED PAVEMENT MARKINGS.
6. CURB STOP LOCATIONS SHOWN ON THESE PLANS ARE BASED UPON TIES PROVIDED BY THE VILLAGE OF ESSEX JUNCTION PUBLIC WORKS DEPARTMENT.
7. PROPERTY MARKERS AND CONCRETE MONUMENTS EXIST WITHIN THE PROJECT SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING BOUNDARY MARKERS. CONTRACTOR WILL BE RESPONSIBLE FOR REPLACING BOUNDARY MARKERS DISTURBED DURING CONSTRUCTION.
8. THE CONTRACTOR SHALL PERFORM ALL TREE TRIMMING NECESSARY TO PERFORM WORK. CONTRACTOR SHALL NOT REMOVE TREE LIMBS WITH EXCAVATOR. CONTRACTOR SHALL CUT LIMBS AT THE TREE TRUNK AND PAINT LIMB STUB WITH LIMB SEALANT.
9. THE EXISTING STREET SIGNS WITHIN THE PROJECT LIMITS ARE TO REMAIN. THE CONTRACTOR MAY TEMPORARILY REMOVE A SIGN TO COMPLETE A PROJECT TASK IF REQUIRED. THE SIGN SHALL BE RESET AS SOON AS TASK IS COMPLETE AND AT THE CONTRACTOR'S EXPENSE.
10. UNDERGROUND POWER, TELEPHONE AND CABLE TELEVISION UTILITIES ARE PRESENT IN THE RIGHT OF WAY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THESE UTILITIES. ANY DAMAGE TO THESE UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
11. THE EXISTING WATERLINE SHALL REMAIN ACTIVE AND IN SERVICE UNTIL THE NEW WATERLINE HAS BEEN INSTALLED, PRESSURE TESTED, CHLORINATED, PASSED BACTERIA TESTS AND WATER SERVICES CONNECTED TO NEW WATERLINE.
12. THE CONTRACTOR SHALL PROVIDE THE ENGINEER WITH A TRAFFIC CONTROL PLAN WHICH DEPICTS TRAFFIC CONTROL MEASURES AND DETOURS TO BE USED DURING THE VARIOUS PHASES OF CONSTRUCTION FOR REVIEW AND APPROVAL.
13. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN A PEDESTRIAN PASSAGEWAY ALONG THE STREET THROUGHOUT THE DURATION OF THE PROJECT.
14. THE CONTRACTOR SHALL PROVIDE 24 HOUR NOTICE TO PROPERTY OWNERS WHEN CONSTRUCTION WILL DIRECTLY IMPACT ACCESS TO THEIR DRIVEWAY.
15. THE CONTRACTOR SHALL PROVIDE THE VILLAGE OF ESSEX JUNCTION 72 HOUR NOTICE PRIOR TO SHUTTING DOWN THE EXISTING WATERLINE.
16. ANY EXISTING STORM DRAIN, UNDERDRAIN, OR SANITARY SEWER PIPE DISTURBED BY THE CONTRACTOR SHALL BE REPLACED WITH SDR 35 PVC PIPE AT THE CONTRACTOR'S EXPENSE.
17. ADDITIONAL UTILITIES MAY EXIST WITHIN PROJECT SITE. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING AND PROTECTING ALL UTILITIES. ANY DAMAGE TO THESE UTILITIES BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
18. ALL DUCTILE IRON WATERLINE JOINTS SHALL HAVE 3 BRASS WEDGES INSTALLED TO MAINTAIN ELECTRICAL CONDUCTIVITY.

**WATERLINE INSTALLATION SEQUENCE:**

1. LOCATE SEWER SERVICES
2. EXCAVATE TO LOCATE EXISTING WATER MAIN AND STORM DRAIN LINE.
3. PERFORM WET TAPS
4. INSTALL WATERLINE
5. INSTALL HYDRANTS
6. PRESSURE TEST WATERLINE
7. CHLORINATE WATERLINE AFTER SUCCESSFUL PRESSURE TEST
8. COORDINATE WITH THE VILLAGE OF ESSEX JUNCTION PUBLIC WORKS DEPARTMENT FOR REMOVING CHLORINATED WATER FROM THE SITE.
9. BACTERIA TEST WATERLINE, TWICE, WITH 24 HOURS BETWEEN TESTS
10. INSTALL WATER SERVICES
11. CUT, CAP, AND ABANDON EXISTING WATERLINE

**WATERLINE KEY**

1. INSTALL NEW 8" X 8" WET TAP
2. INSTALL NEW 8" X 8" X 4" TEE
3. INSTALL NEW 4" GATE VALVE
4. INSTALL NEW 8" GATE VALVE
5. INSTALL NEW REPLACEMENT 8" CL 52 D.I. WATERLINE
6. INSTALL NEW 3/4" CURB STOP. REMOVE EXISTING CURB STOP BOX AND ROD
7. CONNECT NEW 3/4" COPPER SERVICE TO EXISTING WATER SERVICE
8. INSTALL NEW 3/4" COPPER WATER SERVICE
9. REMOVE EXISTING HYDRANT AND VALVE BOX
10. INSTALL NEW REPLACEMENT HYDRANT ASSEMBLY
11. CUT, CAP AND ABANDON EXISTING WATERLINE. SEE NOTE 11
12. CLOSE VALVE AND REMOVE VALVE BOX
13. CONNECT NEW 4" CL 52 DI PIPE TO EXISTING 4" CL 52 DI PIPE

**ROADWAY KEY**

1. SAWCUT EXISTING PAVEMENT
2. NEW BITUMINOUS CONCRETE APRON AND DRIVEWAY
3. REMOVE EXISTING DRAINAGE STRUCTURE
4. REMOVE EXISTING DRAINAGE PIPE
5. REMOVE AND RESET EXISTING SIGN
6. REMOVE AND RESET EXISTING BRICK PAVERS
7. REMOVE AND INSTALL NEW SMH FRAME AND COVER
8. REMOVE AND RESET EXISTING MAIL BOX
9. REMOVE AND RESET EXISTING CATCH BASIN/MANHOLE FRAME AND COVER TO MATCH NEW ROADWAY ELEVATION OR LAWN GRADE
10. LIMIT OF LAWN RESTORATION
11. REMOVE AND RESET EXISTING PICKET FENCE WORK INCIDENTAL TO WATERLINE INSTALLATION
12. NEW TYPE IV BITUMINOUS CONCRETE DRIVEWAY APRON (SEE DETAIL)
13. NEW ROADWAY CONSTRUCTED TO NEW TYPICAL SECTION (SEE TYPICAL BITUMINOUS CONCRETE ROADWAY DETAIL)
14. TRANSITION FROM EXISTING ROADWAY SECTION TO NEW ROADWAY (SEE TYPICAL BITUMINOUS CONCRETE ROADWAY DETAIL)
15. REMOVE AND RESET EXISTING BRICK PAVERS
16. GRIND EXISTING PAVEMENT 1-1/2" DEEP
17. SAWCUT PAVEMENT

DATE	REVISION	BY	
CLIENT VILLAGE OF ESSEX JUNCTION 2 LINCOLN STREET ESSEX JUNCTION, VERMONT 05452			
PROJECT TITLE LAMOILLE STREET WATERLINE AND ROADWAY IMPROVEMENTS			
DRAWING TITLE <b>SITE PLAN</b> STA. 10+00 TO STA. 15+00			
Survey	BFD	Scale	1" = 20'
Design	SOL	Job	19-905
Drawn	SOL	File	
Checked	RFH	Drawing	
Date	03/16/20		

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