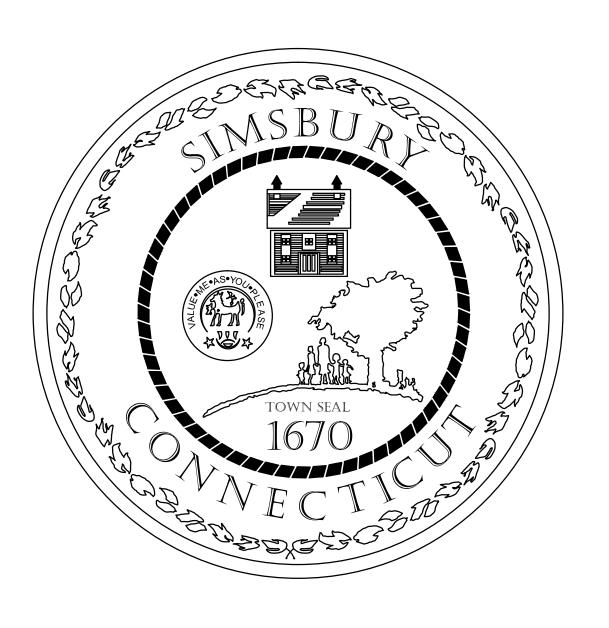
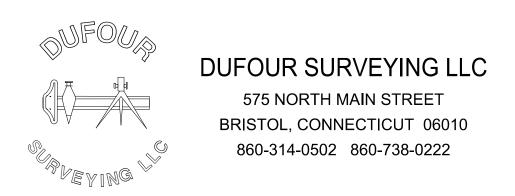
# SANITARY SEWER IMPROVEMENTS MASSACO STREET

DEPARTMENT OF WATER POLLUTION CONTROL
36 DRAKE HILL ROAD
SIMSBURY, CONNECTICUT



Survey Prepared By:

Design Prepared By:

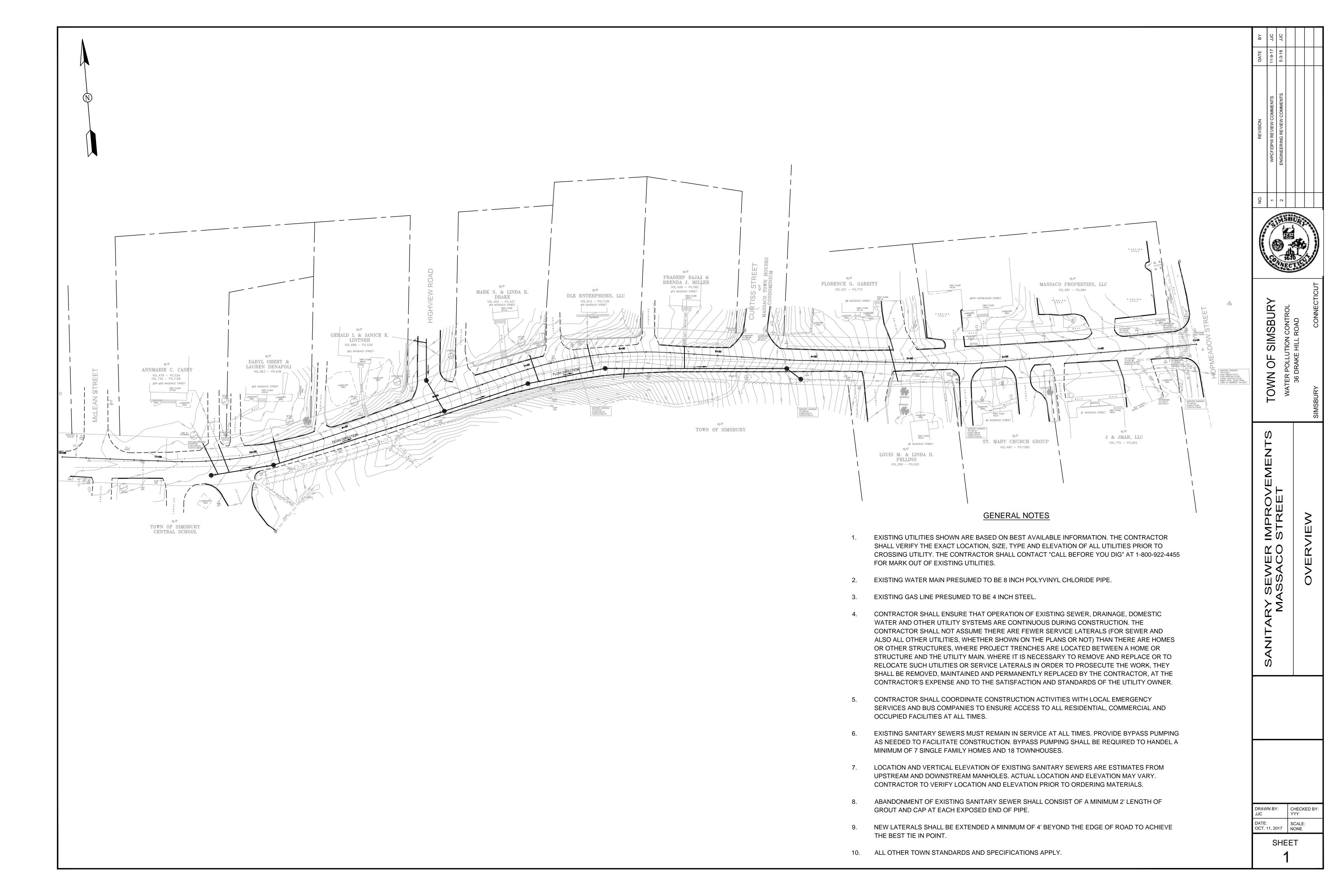


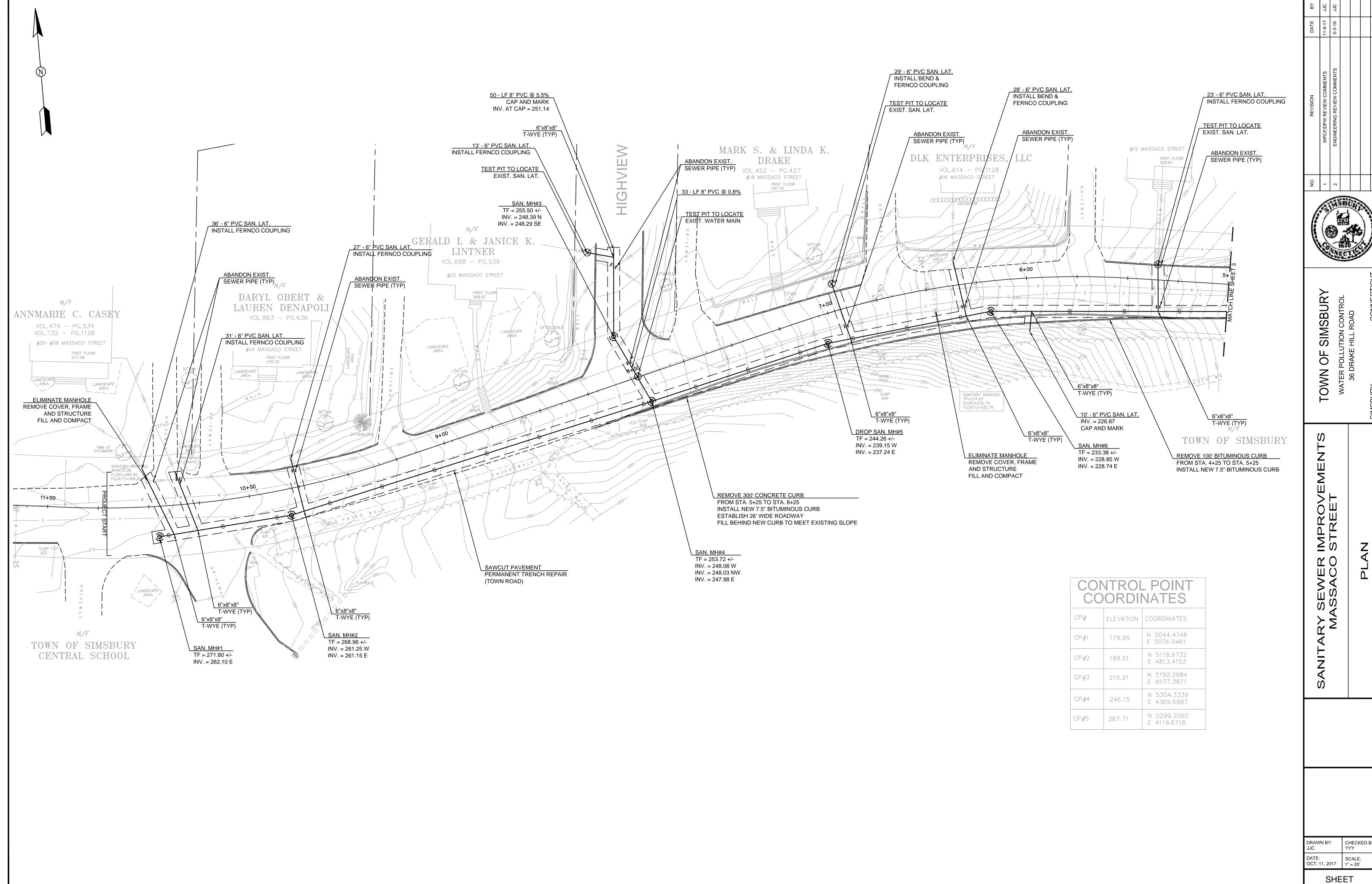
SIMSBURY DEPARTMENT OF WATER POLLUTION CONTROL

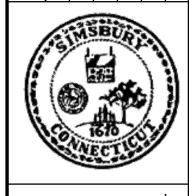
36 DRAKE HILL ROAD

SIMSBURY, CONNECTICUT 06070

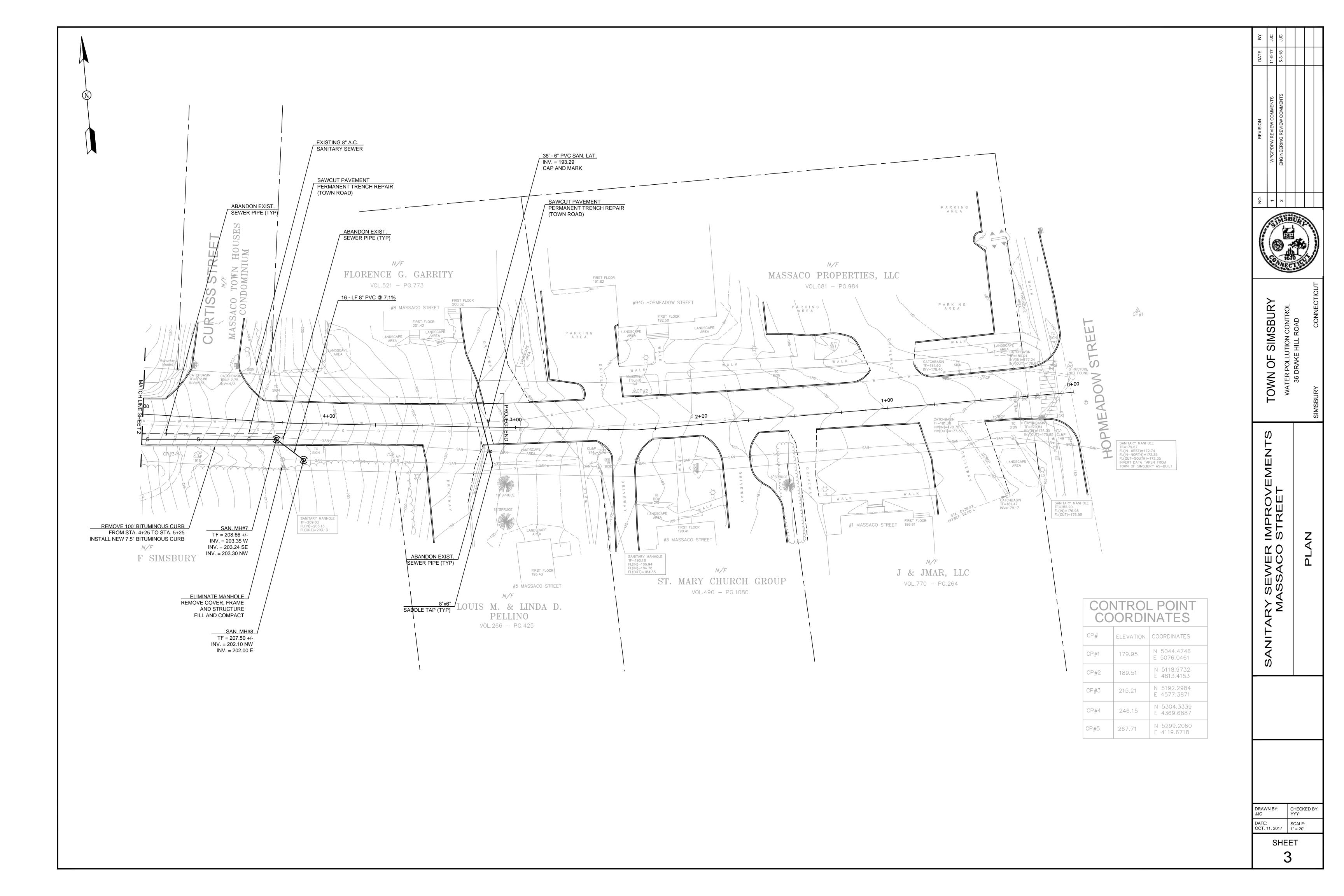
860-658-3258

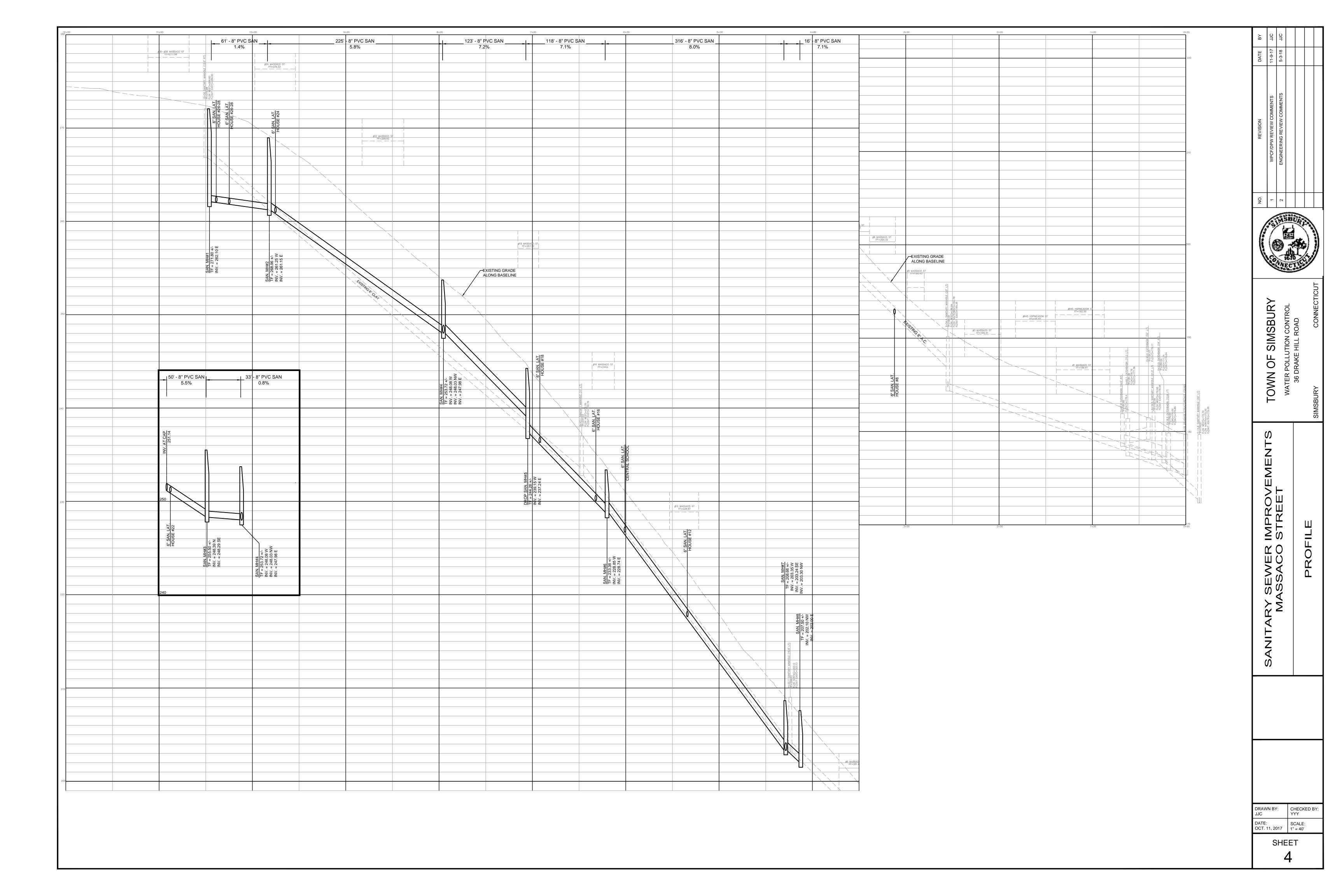




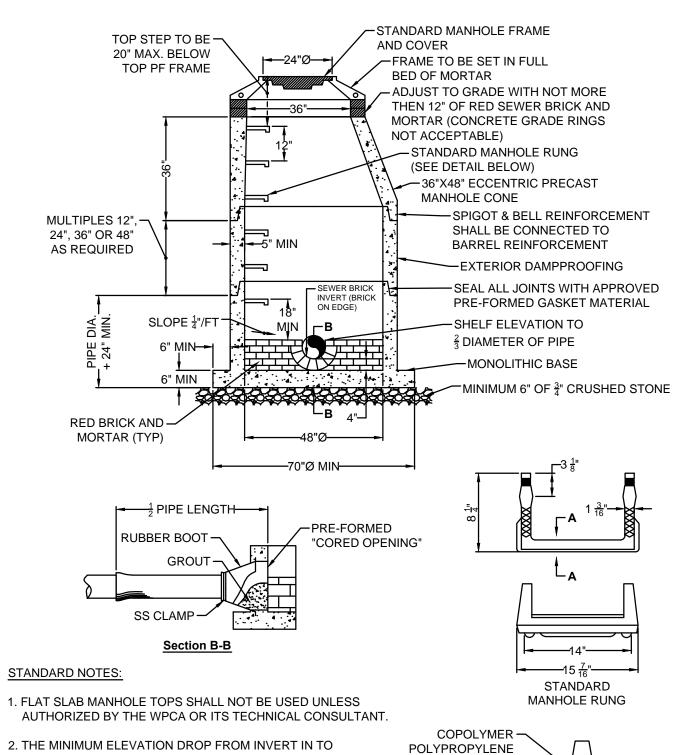


CHECKED BY





### MANHOLE (SANITARY SEWER)



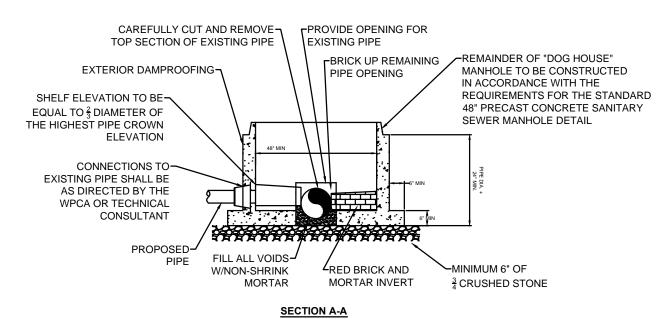
PLASTIC 1/2" **GRADE 60 STEEL** 

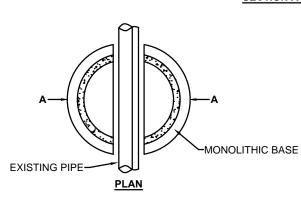
SECTION A-A

REINFORCEMENT

- 1. FLAT SLAB MANHOLE TOPS SHALL NOT BE USED UNLESS
- 2. THE MINIMUM ELEVATION DROP FROM INVERT IN TO INVERT OUT SHALL BE 0.10 FEET.
- 3. GROUT THE ENTIRE INSIDE AND OUTSIDE SURFACES OF ALL MANHOLE SECTION JOINTS.
- 4. RUBBER PLUGS TO BE USED INSIDE MANHOLE SECTION LIFTING HOLES. GROUT THE INSIDE AND OUTSIDE SURFACES OF THE LIFTING HOLES.
- 5. ROCK TO BE EXCAVATED 10 FEET BEYOND THE WALLS OF THE MANHOLE.
- 6. WHERE MANHOLES ARE INSTALLED IN CROSS COUNTRY EASEMENT FINISHED GRADE.
- 7. INTERIOR MANHOLE LINING SYSTEM TO BE USED AT ALL FORCE MAIN AND LOW PRESSURE SEWER DISCHARGE STRUCTURES.

## DOGHOUSE MANHOLE (SANITARY SEWER)





- 1. "DOG HOUSE" MANHOLES SHALL ONLY BE USED UPON APPROVAL BY THE WPCA OR ITS TECHNICAL CONSULTANT.
- 2. PROPOSED PIPE SHALL BE TESTED AND APPROVED PRIOR TO BREAKING INTO
- 3. GROUT THE ENTIRE INSIDE AND OUTSIDE SURFACES OF ALL MANHOLE SECTION

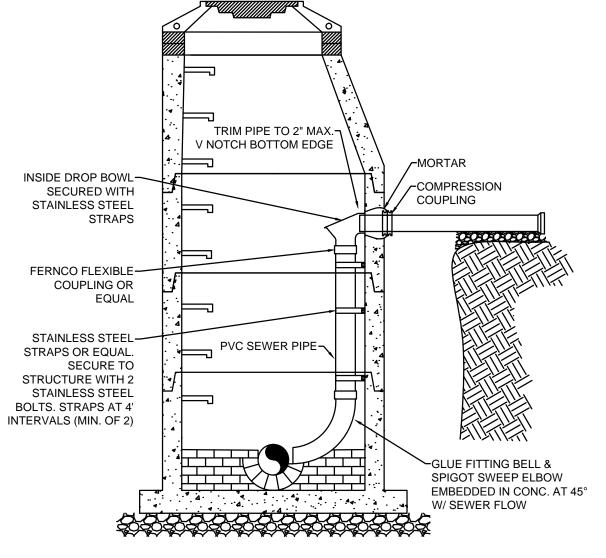
& MORTAR (TYP)

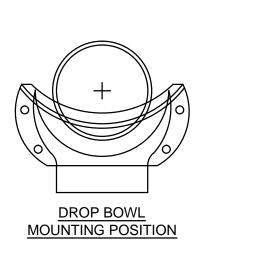
STANDARD MANHOLE INVERTS

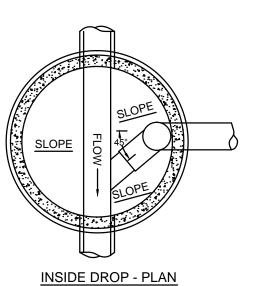
### **STANDARD NOTES:**

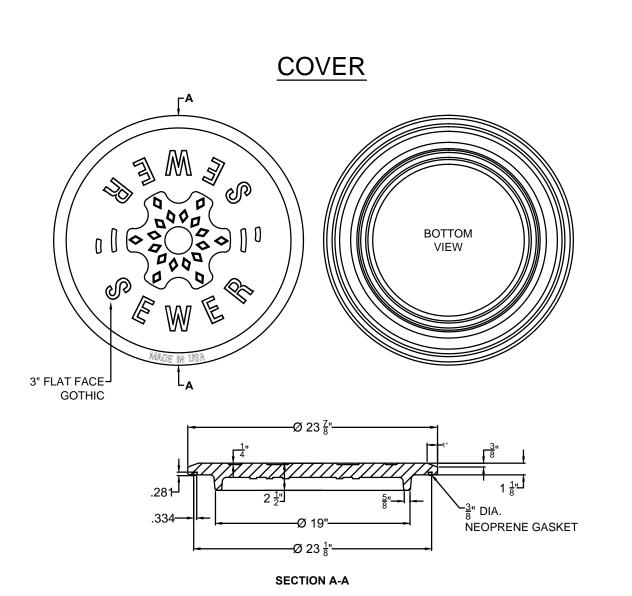
- 1. DIMENSIONS SHOWN FOR STANDARD 48" DIAMETER MANHOLES AND GRAVITY SEWER CONSTRUCTION.
- 2. MAXIUM CHANGE IN DIRECTION FOR FLOW STREAM SHALL BE 90 DEGREES.

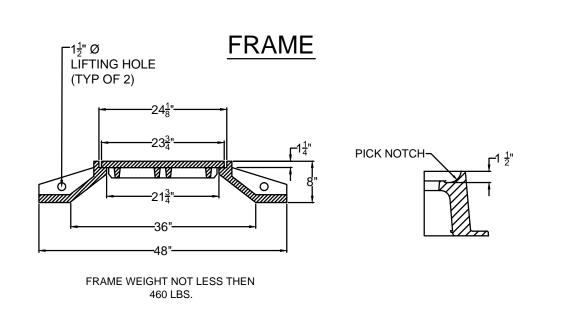
# **INSIDE DROP CONNECTION**



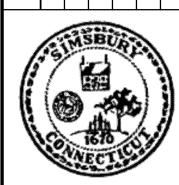








| DATE BY  | 11-9-17 JJC              | 5-3-18 JJC                     |  |  |  |
|----------|--------------------------|--------------------------------|--|--|--|
| REVISION | WPCF/DPW REVIEW COMMENTS | ENGINEERING REVIEW COMMENTS 5- |  |  |  |
|          | W                        | EN                             |  |  |  |
| Ö        | _                        | 2                              |  |  |  |



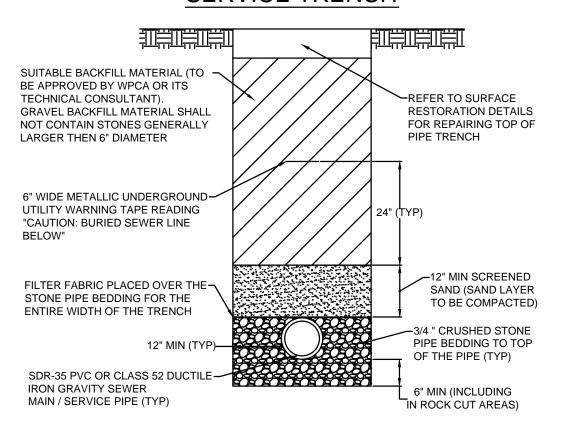
SIMSBURY OF NWO.

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DRAWN BY: CHECKED BY J. Corley SCALE: NONE Oct. 11, 2017

SHEET

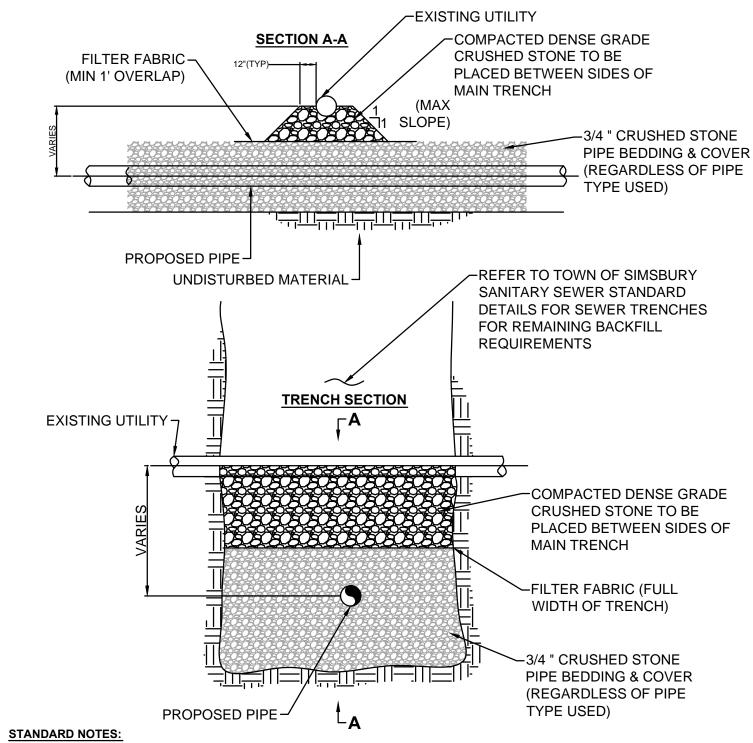
# **PVC/DUCTILE IRON GRAVITY** SANITARY SEWER MAIN / SERVICE TRENCH



### STANDARD NOTES:

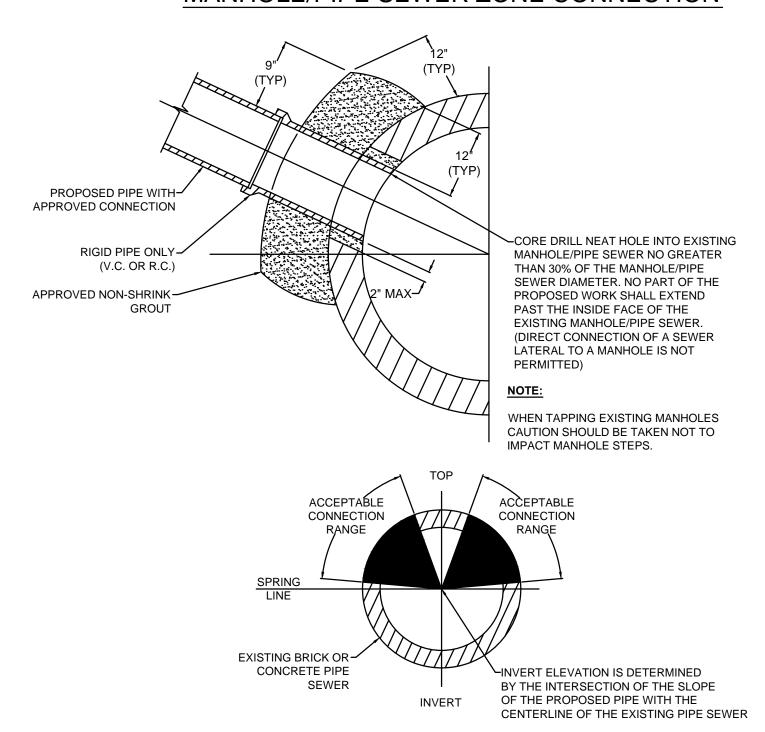
- 1. THE 12" SAND LAYER OVER THE PIPE SHALL BE PROPERLY COMPACTED.
- 2. STONE BEDDING, FILTER FABRIC, AND SAND LAYER SHALL BE EXTENDED TO THE FULL WIDTH OF THE TRENCH.
- 3. MECHANICAL COMPACTION SHALL BE USED IN APPROPRIATE LIFTS TO OBTAIN A MINIMUM OF 95% MODIFIED PROCTOR DENSITY.

### PIPE SUPPORT UTILITY CROSSING

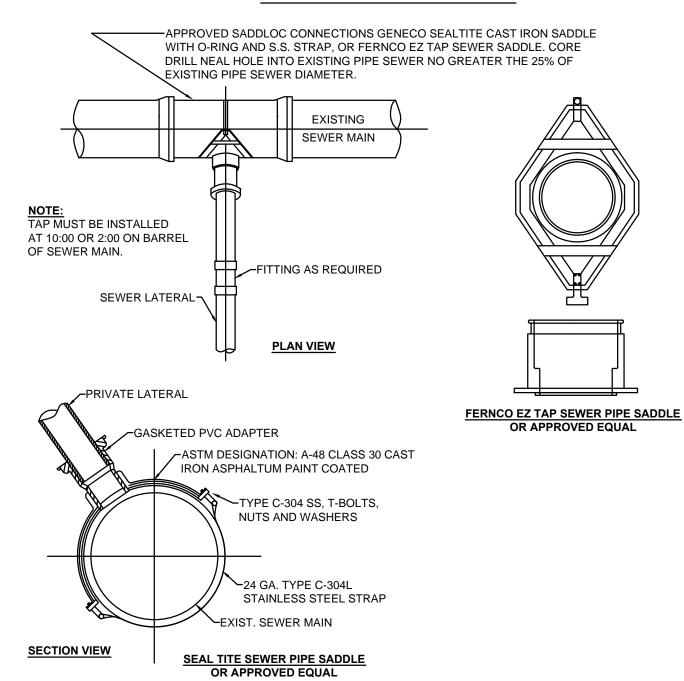


- 1. PLACE 6" UNDERGROUND UTILITY WARNING TAPE UNDER THE EXISTING UTILITY REGARDLESS OF THE DISTANCE BETWEEN THE PIPES. IF LESS THE 2' BETWEEN THE PIPES, PROVIDE AN ADDITIONAL LAYER OF WARNING TAPE ABOVE THE EXISTING PIPE.
- 2. PROVIDE THE APPROPRIATE UNDERGROUND UTILITY WARNING TAPE OVER THE EXISTING UTILITY PIPE THAT HAS BEEN DISTURBED DURING INSTALLATION OF THE SANITARY SEWER. PROVIDE WARNING TAPE REGARDLESS IF EXISTING TAPE WAS NOT DISCOVERED.

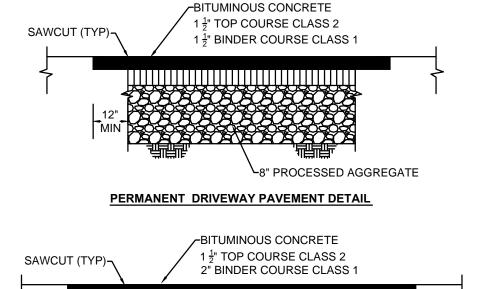
# MANHOLE/PIPE SEWER ZONE CONNECTION

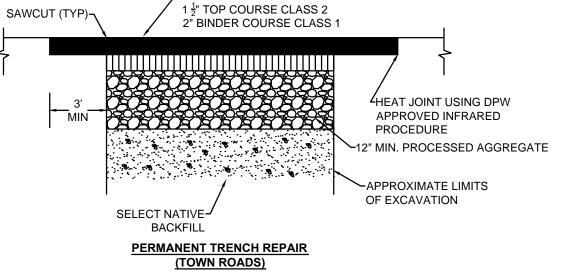


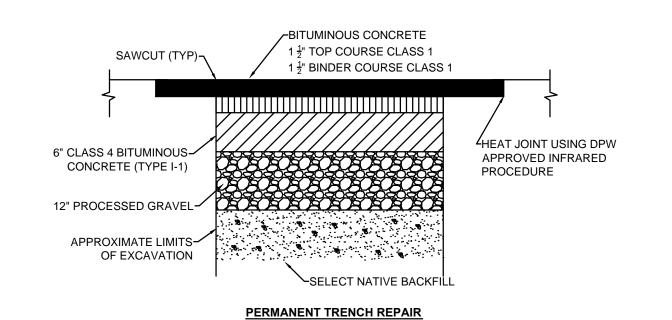
### SEWER SADDLE TAP



## PERMANENT TRENCH REPAIR







(STATE ROADS)

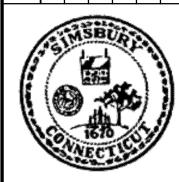
DRAWN BY: CHECKED BY: J. Corley

SCALE:

NONE

SHEET

Oct. 11, 2017



SIMSBURY OF NWO.

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