

**WATER POLLUTION CONTROL
AUTHORITY**

(203) 563-0100



**TOWN HALL ANNEX
238 Danbury Road
Wilton, Connecticut 06897**

MEMORANDUM

TO: Michael Wrinn
Director, Planning & Land Use Management

FROM: Lynne Vanderslice
First Selectwoman, Chairwoman of the WPCA

DATE: November 17, 2023

RE: **C.G.S 8-24 Referral - Planning & Zoning
Sewer Main Extension – 440 Cannon Rd**

The Wilton Water Pollution Control Authority received a request from the developer at 440 Danbury Rd to extend the sewer main for their proposed improvements. As part of the WPCA meeting held on November 8, 2023, it was voted to request that Planning and Zoning provide a referral in accordance with CGS 8-24.

Attached for your review are documents provided by the applicant to the WPCA for November 8, 2023 meeting. It is proposed to extend the sewer main from 440 Danbury Rd to the west side of Danbury Road at the intersection with Cannon Rd.

If you have any questions, please do not hesitate to contact us.

16-5045-002
October 31, 2023

Frank Smeriglio
Director of Public Works
Town of Wilton
238 Danbury Road
Wilton, CT 06897

Re: **440 Cannon Road
Application to the WPCA**

Dear Mr. Smeriglio:

I am pleased to provide you with 3 copies of plans, profiles, and details for the design of the sanitary sewer main extension and lateral connection for 440 Cannon Road. The sanitary sewer main extension being proposed follows the same approach as the previously approved extension for the Cannondale Village project with only minor adjustments to the locations of manholes to provide better separation from existing utilities.

Based on a proposed use change for the 440 Cannon Road property from a daycare facility to residential apartments, the existing property requires an expansion to the existing septic system; however, based on Town requirements modifications to the existing septic system are not allowed and the property is required to connect to the sewer main in Danbury Road.

The last manhole for the extension in Cannon Road will provide a capped stub for future connectivity as well as the 6-inch gravity service lateral to the existing private residence. The existing home will maintain 3-bedrooms generating an estimated effluent load of 150 gallons per day (gpd) per bedroom, or 450 gpd total.

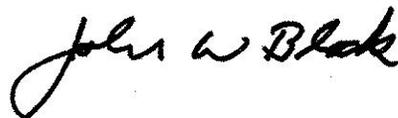
We look forward to a November approval from the WPCA. If you have any questions with the plans or calculations, please feel free to contact me at (860) 852-5219 at your convenience.

Very truly yours,

TIGHE & BOND, INC.



Erik W. Lindquist, PE, LEED AP
Senior Project Manager



John W. Block, P.E., L.S.
Senior Vice President

\\Tighebond.Com\Data\Data\Projects\G\G5045 Gueron\P002 - Cannon Road\2023_10-23 440 Danbury Road.Docx



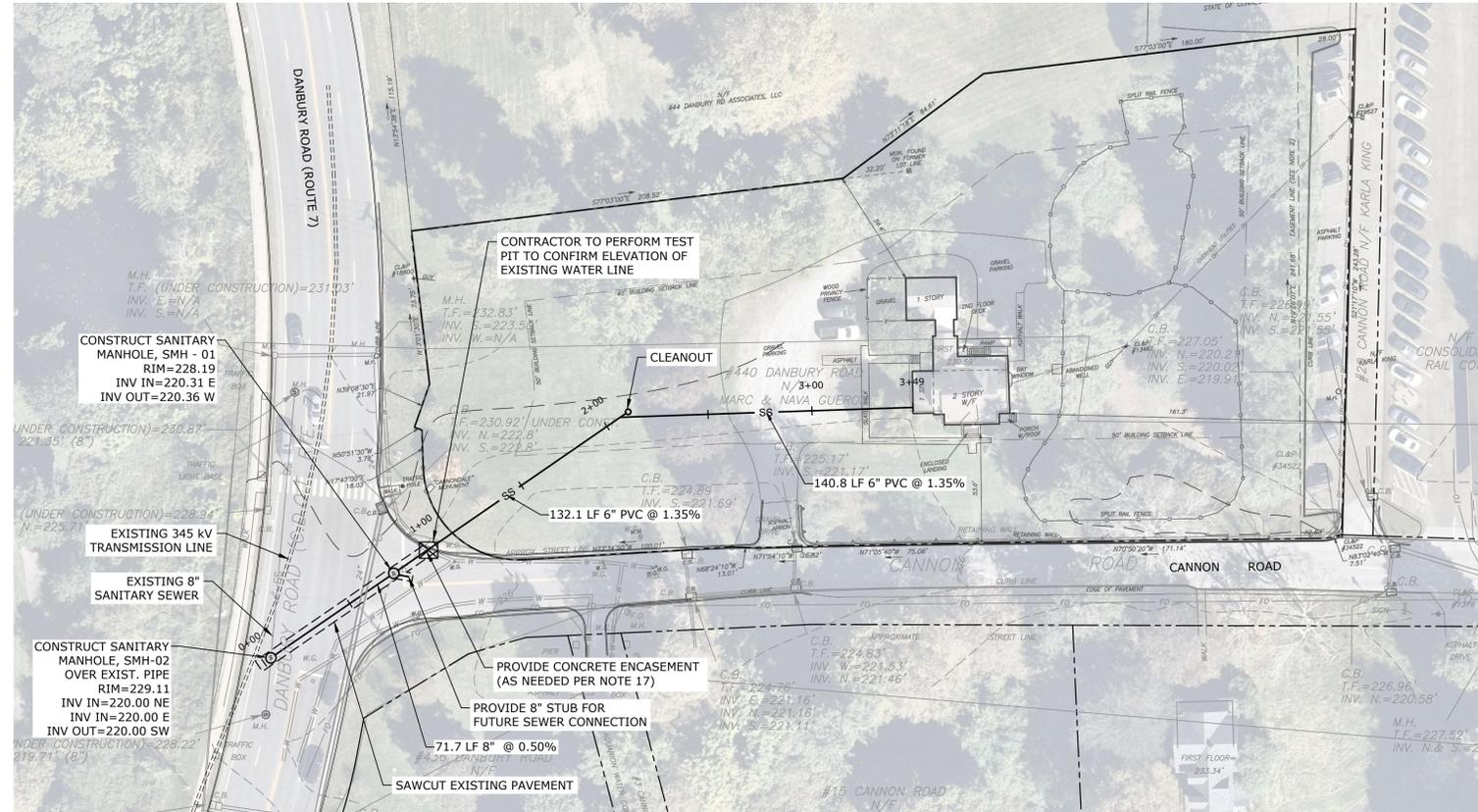


NOTES:

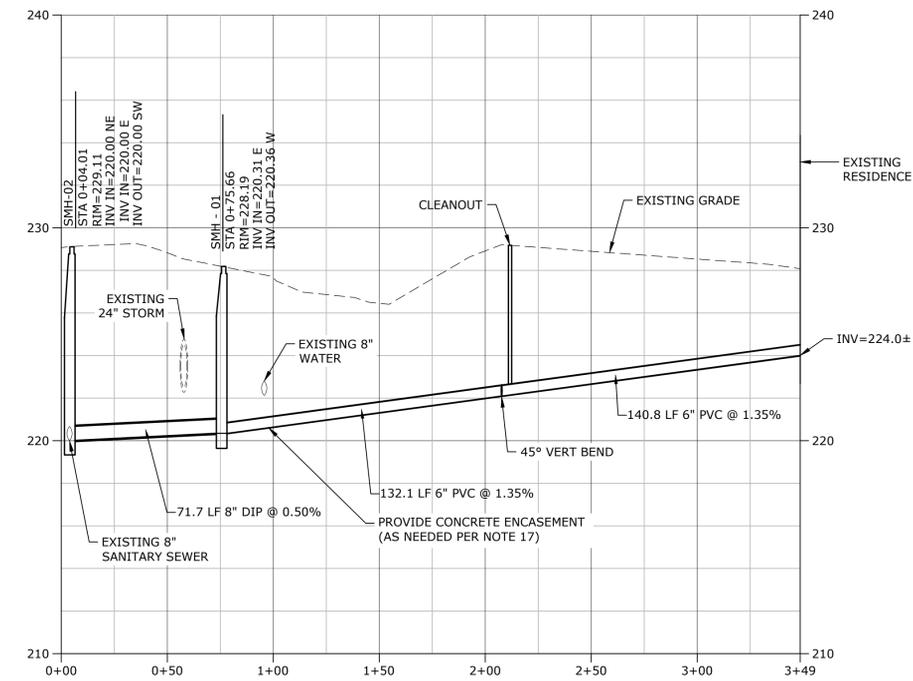
- REFERENCE IS MADE TO A MAP ENTITLED "TOPOGRAPHIC SURVEY, CANNONDALE VILLAGE, PROPERTY LOCATED ON CANNON ROAD, WILTON, CONNECTICUT, PREPARED FOR MARC GUERON" SCALE 1" = 30'. PREPARED BY LEWIS ASSOCIATES, MONROE, CONNECTICUT, DATED 5-3-2009, REVISED TO 2-20-09.
- ELEVATIONS ARE REFERENCED TO NATION GEODETIC DATUM OF 1929.
- THE LOCATION OF EXISTING UTILITIES AS SHOWN ARE FROM MAPS OF UTILITY COMPANIES, FIELD SURVEYS, AND THE BEST AVAILABLE INFORMATION. THEY MUST BE CONSIDERED AS ONLY APPROXIMATE BOTH AS TO SIZE AND LOCATION, AND ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY. THE SITE CONTRACTOR IS SOLELY RESPONSIBLE FOR DETERMINING ACTUAL FIELD LOCATIONS. LOCATIONS OF CRITICAL UTILITIES SHALL BE VERIFIED BY THE SITE CONTRACTOR IN THE FIELD BY TEST PITS.
- ALL DIMENSIONS AND ELEVATIONS MUST BE FIELD VERIFIED BY THE SITE CONTRACTOR.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS FROM STATE AND LOCAL AUTHORITIES.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASSURE THAT ALL PIPING IS PROPERLY BEDDED AND STABILIZED IN AREAS OF HIGH GROUND WATER AND/OR UNSTABLE SOIL CONDITIONS.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH TOWN OF WILTON AND/OR CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARDS.
- ANY DRAINAGE STRUCTURES, DITCHES, ASPHALT, CURBS, OTHER EXISTING CONSTRUCTION OR GRASSED AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE ORIGINAL CONDITION.
- ALL EXISTING UTILITY SERVICES SHALL BE PROTECTED AND MAINTAINED IN SERVICE. THE SITE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL UTILITY RELOCATION'S WITH THE RESPECTIVE SERVICE PROVIDER.
- THE SITE CONTRACTOR MUST CALL "CALL BEFORE YOU DIG" AT LEAST 72 HOURS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. (1-800-922-4455).
- SOIL EROSION AND SEDIMENT CONTROL MEASURES SHALL CONFORM TO THE STATE OF CONNECTICUT DEP, "2002 CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL-", AND AS AMENDED TO DATE.
- ALL EXISTING FEATURES ARE DRAWN AS SCREENED LINES, AND PROPOSED FEATURES ARE SHOWN AS DARK LINES.
- IT SHALL BE THE RESPONSIBILITY OF THE SITE CONTRACTOR TO ENSURE PROPER IMPLEMENTATION OF THE SEDIMENT AND EROSION CONTROLS AS SHOWN ON THE PLANS AND SHALL INCLUDE BUT NOT BE LIMITED TO INSTALLATION AND MAINTENANCE OF CONTROL MEASURES, INFORMING ALL PARTIES OF SUCH REQUIREMENTS AND NOTIFICATION OF ANY TRANSFER OF RESPONSIBILITY.
- DEWATERING PROCEDURES SHALL BE CONDUCTED IN A MANNER THAT INSURES NO DEWATERING WASTEWATER IS DIRECTLY DISCHARGED INTO ANY WETLAND OR WATERBODY. DEWATERING WASTEWATERS MUST BE DISCHARGED IN A MANNER WHICH WILL NOT CAUSE EROSION AND SCOURING OR CONTAIN SUSPENDED SOLIDS IN AMOUNTS WHICH COULD REASONABLY BE EXPECTED TO CAUSE POLLUTION OF THE WATERS OF THE STATE. THE MEASURES SHALL BE CONDUCTED IN ACCORDANCE WITH THE DEWATERING PLAN SUBMITTED BY THE CONTRACTOR AS PART OF THE CONTRACT DOCUMENTS. DEWATERING WASTEWATERS SHALL BE DISCHARGED IN A MANNER TO MINIMIZE THE DISCOLORATION OF THE RECEIVING WATERS. UNLESS OTHERWISE SPECIFICALLY APPROVED BY THE CONNECTICUT DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF THE COMMISSIONER, ALL DEWATERING WASTEWATERS SHALL BE INFILTRATED INTO THE GROUND.
- SUBSURFACE INFORMATION SHOWN IS A COMPILATION OF FIELD MEASUREMENTS, AVAILABLE PUBLIC UTILITY RECORDS AND MUNICIPAL RECORDS. THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS IS NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE FOR HIMSELF, PRIOR TO BIDDING, THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WHICH MAY AFFECT HIS CONSTRUCTION OPERATIONS. THE CONTRACTOR MUST ADEQUATELY SUPPORT ALL UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGE TO THESE LINES.
- ALL PVC PIPING TO BE CLASS SDR-35.
- PROVIDE A MINIMUM 18 INCH VERTICAL CLEARANCE BETWEEN WATER AND SANITARY SEWER WHEN WATER IS OVER SANITARY SEWER OR ENCASE SANITARY SEWER FOR 10 FEET EACH SIDE OF CROSSING. IF WATER PIPE IS UNDER SANITARY, BOTH SANITARY AND WATER SHALL BE ENCASED FOR 10 FEET EACH SIDE OF CROSSING. PROVIDE A MINIMUM 12 INCH VERTICAL CLEARANCE BETWEEN SANITARY AND ALL OTHER PIPE.
- THE CONTRACTOR SHALL NOTIFY CONNECTICUT LIGHT & POWER (ERIKS SURMONIS (860) 665-5849, SURMAEV@NU.COM), SEVEN DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONNECTICUT LIGHT & POWER WILL LIKELY REQUIRE THERE BE A COMPANY REPRESENTATIVE PRESENT AT THE SITE DURING THE CONSTRUCTION.
- THE CONTRACTOR SHALL AVOID DISTURBING THE THERMAL SAND (OR FLUIDIZED THERMAL BACKFILL (FTB) WHICH SURROUND THE 345-KV STEEL PIPES. SHOULD THE THERMAL BACKFILL BE DISTURBED DURING THE INSTALLATION OF THE SANITARY MANHOLE AND FORCEMAIN, IT IS TO BE REPLACED IN KIND.
- CONTRACTOR TO DIG USING NONDESTRUCTIVE TEST PIT AND VERIFY DEPTH, SIZE, AND LOCATION OF 345-KV UNDERGROUND ELECTRIC TRANSMISSION LINES.
- ALL SANITARY SEWER LATERALS TO BE 4" DIP CLASS 52. AND SEWER MAINS TO BE 8" DIP CLASS 52.
- CONTRACTOR TO COORDINATE THE LAYOUT OF THE SANITARY SEWER LATERAL THROUGH THE FRONT YARD TO LIMIT DISTURBANCE TO THE ROOT SYSTEMS OF EXISTING TREES.

FORM 818 NOTES:

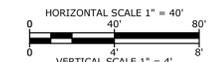
- ALL WORK CONDUCTED WITHIN THE STATE RIGHT-OF-WAY SHALL BE CONDUCTED UNDER THE PURVIEW OF THE CTDOT DISTRICT 3 AND ALL REQUIREMENTS SET FORTH IN THE ENCROACHMENT PERMIT, INCLUDING THE ALLOWABLE WORK HOURS.
- CONSTRUCTION SPECIFICATIONS FOR ALL WORK WITHIN THE CTDOT RIGHT-OF-WAY SHALL BE THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES AND INCIDENTAL CONSTRUCTION, FORM 818, DATED 2020; SUPPLEMENTAL SPECIFICATIONS, DATED JANUARY 2021; AND SPECIAL PROVISIONS.
- ANY DAMAGE TO EXISTING CURB, SIDEWALK, OR ANY OTHER HIGHWAY APPURTENANCES DURING THE DEVELOPMENT OF THE PERMITTED SITE WILL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE DISTRICT 3 PERMIT SECTION AT NO COST TO THE STATE.
- HOT MIX ASPHALT (HMA) SHALL BE PROVIDED IN COMPLIANCE WITH THE STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROADS, BRIDGES, AND INCIDENTAL CONSTRUCTION FORM 818, SECTION 4.06, AS AMENDED.



PLAN VIEW
SCALE: 1" = 40'



PROFILE VIEW
SCALE: HOR: 1" = 40' VERT: 1" = 4'



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440 Cannon Road

Proposed Sewer Extension

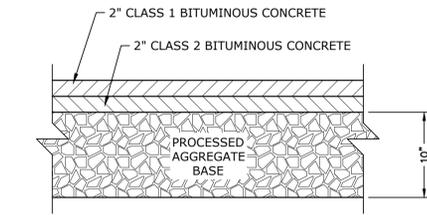
Wilton, CT

MARK	DATE	DESCRIPTION
PROJECT NO:	G5045-02	
DATE:	10/20/2023	
FILE:	G5045-02-100-PLPR.dwg	
DRAWN BY:	MDS	
DESIGNED/CHECKED BY:	EWL	
APPROVED BY:	JWB	

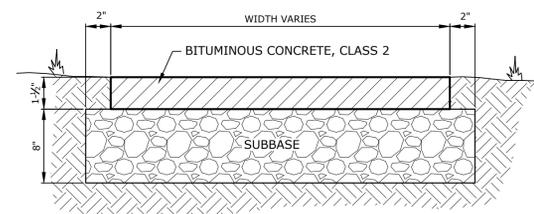
PROPOSED SANITARY SEWER PLAN AND PROFILE

SCALE: AS SHOWN

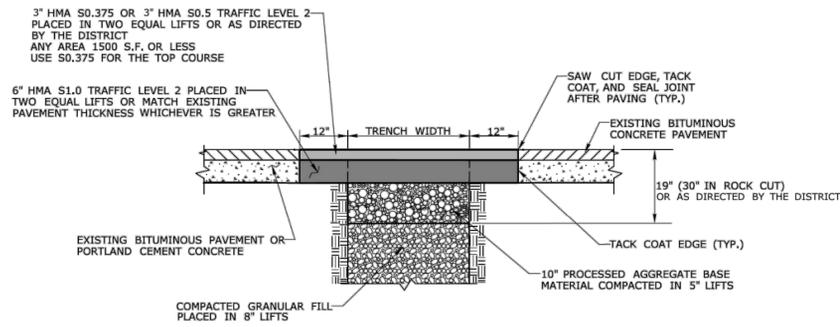
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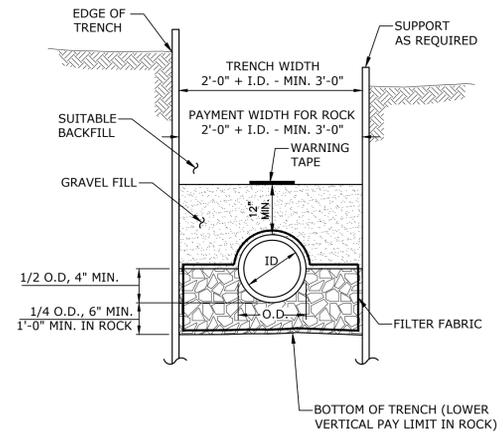
CANON ROAD BITUMINOUS CONCRETE PAVEMENT REPAIR
NO SCALE



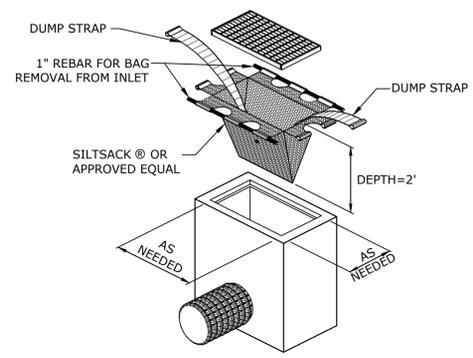
BITUMINOUS CONCRETE DRIVEWAY PAVEMENT REPAIR
NO SCALE



DANBURY ROAD PERMANENT PAVEMENT REPAIR
NO SCALE

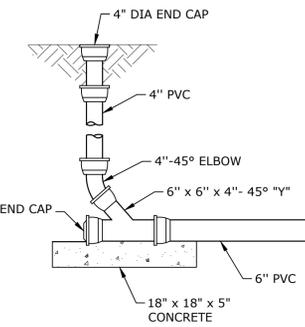


SANITARY SEWER TRENCH FOR SEWER WITH 42" COVER OR MORE
NO SCALE

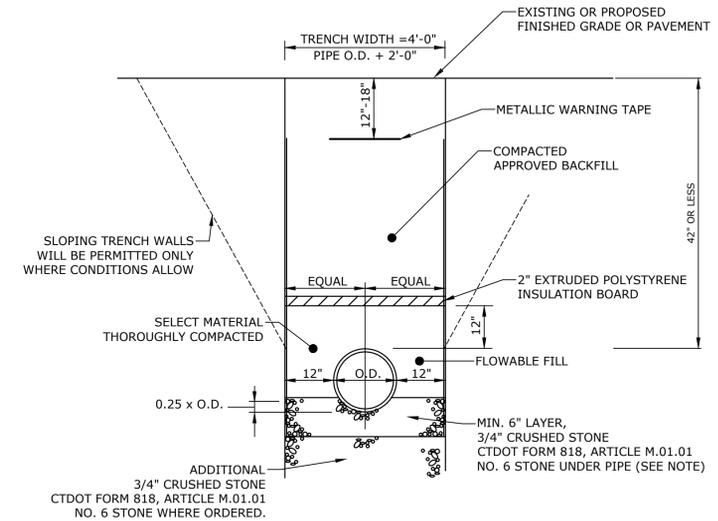


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ACF ENVIRONMENTAL
2831 CARDWELL ROAD
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NO SCALE

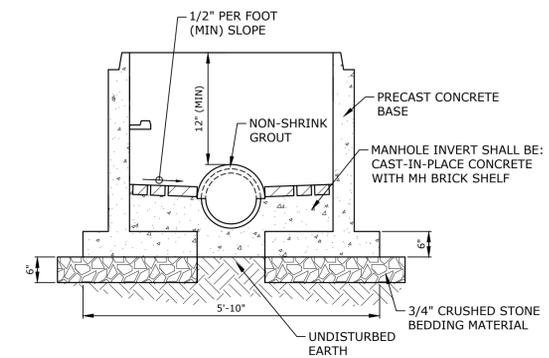


CLEAN-OUT DETAIL



NOTE:
ADJACENT UTILITIES ARE TO BE PROPERLY SUPPORTED AT ALL TIMES.
DEAD SAND WATERSTOPS ARE TO BE PLACED AT ALL JOINTS INCLUDING JOINTS AT MANHOLES. THEY ARE TO EXTEND 12" BEYOND EACH PIPE JOINT (IN BOTH DIRECTIONS). THE DEAD SAND IS TO BE PLACED TO THE SAME HEIGHT AS THE BEDDING MATERIAL.

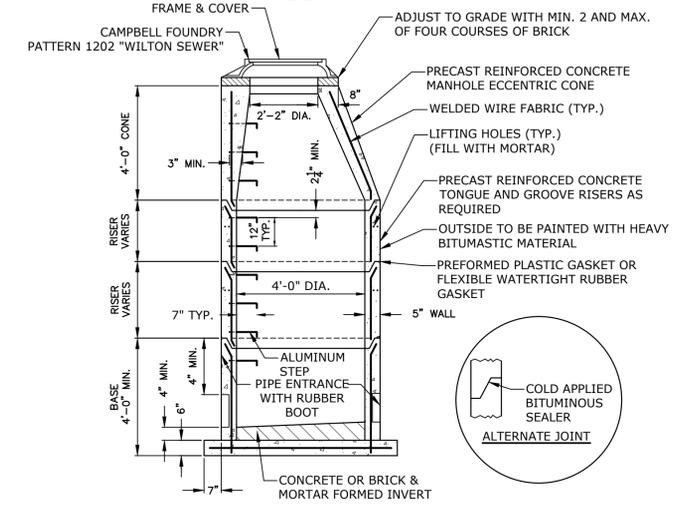
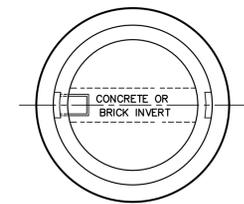
SANITARY SEWER TRENCH FOR SEWER WITH 42" COVER OR LESS
NO SCALE



NOTES:

1. MINIMUM 4' DIAMETER MANHOLE.
2. DOGHOUSE OPENING MAY ONLY BE USED WHEN PLACING A NEW MANHOLE OVER AN EXISTING LINE; OTHERWISE, THE OPENING MUST BE CAST. SIZE, LOCATION AND ANGLE OF ENTRY SHOULD BE AS REQUIRED.
3. OPENINGS IN PRECAST UNITS ARE TO BE 4" MINIMUM TO 8" MAXIMUM LARGER THAN THE OUTSIDE DIAMETER OF THE EXISTING PIPE.
4. TOP HALF OF THE EXISTING PIPE TO BE REMOVED FOR FULL LENGTH EXPOSED INSIDE MANHOLE. EXISTING MAIN TO BE NEATLY CUT ALONG THE SPRING LINE OF THE PIPE.

SANITARY SEWER DOGHOUSE MANHOLE BASE
NO SCALE



5' OR 6' DIA. PRECAST BASES MAY BE USED WHEN REQUIRED DUE TO SIZE OR NUMBER OF PIPES AT THE MANHOLE.
PRECAST REDUCERS WILL BE PLACED ABOVE THE 5' & 6' BASES AS DIRECTED BY THE ENGINEER.
WALL THICKNESS TO INCREASE 1" FOR EACH 1' OF INSIDE DIAMETER INCREASE.

PRECAST SANITARY MANHOLE
NO SCALE

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Wilton, CT

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APPROVED BY:	JWB	

DETAILS

SCALE: AS SHOWN

Last Saved: 10/23/2023 3:02pm By: SimeoneM
 Printed On: OCT 23, 2023 3:02pm
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