

10-0969-023D-02
January 5, 2024

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

Re: **77 Danbury Road**
ASML MICC-CRS Expansion
Application to the WPCA

Dear Mr. Smeriglio:

We are pleased to provide you with three copies of plans and profiles for the lateral extension as part of ASML's Materials Intake and Contamination Control / Clean Room South (MICC-CRS) Expansion. ASML proposes the construction of an addition to the southwest corner of its primary facility building to meet manufacturing demand at the facility. The addition will add 45,966 square feet of building footprint and 167,036 gross square feet on an area that is mostly impervious. Associated site improvements include realignment of the driveway south of the building, sidewalks, additional stormwater management measures, and a truck turnaround area.

The project has recently been approved by the Inland Wetlands Commission and the Planning and Zoning Commission.

Due to the difficulty in routing the sanitary service from the MICC-CRS expansion back through the building, the sanitary sewerage from the MICC-CRS expansion will be pumped through a force main that will run along the south side of the building, in the relocated driveway, and discharge to the existing exterior pump station at the southeastern corner of the building. From the existing pump station, the sanitary sewerage is pumped across the driveway bridge, discharging to a manhole in the ASML driveway, and then flows via gravity into a manhole over the 24-inch sanitary sewer main in Danbury Road.

A meter and rain gauge was installed to measure flows and rainfall on December 22, 2023. The meter will remain deployed for approximately six weeks. Based upon the first week of metering, the average daily flow rate from the site is 35,564 gpd. The additional flow from the total buildout (all stories) of the MICC-CRS expansion will be 18,883 gpd.

The MICC-CRS addition will be constructed in two phases. The first phase shall consist of two floors. The additional flow from the first phase will be 11,233 gpd. The second phase will add the final three floors approximately 3 to 5 years after the first phase is completed, and further increase the flow by 7,650 gpd, for a full build out total of 18,883 gpd.

We look forward to getting on the upcoming WPCA agenda. If you have any questions with the plans or calculations, please feel free to contact me at (203) 712-1109 at your convenience.

Very truly yours,

TIGHE & BOND, INC.



Joseph Canas, PE, LEED AP, CFM
Principal Engineer



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

J:\A\0969 ASML\023_MICC Building\Correspondence\2024_01-03 WPCA 77 Danbury Road Letter.Docx



Joseph A. Canas

From: Dubadi, Anish <Anish.Dubadi@hdrinc.com>
Sent: Wednesday, January 3, 2024 1:15 PM
To: John W. Block; Mark Hemingway
Cc: ryan.brennan@asml.com; Debrauske, Mark; Rotondo, Brian; Nazareno, Gemini; Joseph A. Canas
Subject: RE: ASML - MICC Addition Sewer Demand
Attachments: Re: ASML MICC - Infrastructure Logistics

[Caution - External Sender]

John,

The below calculations are confirmed. Based on the existing report from Loureiro Engineers dated 8/18/2023, the avg max daily flowrate for the existing clean street is 7555 GPD. This will have to be subtracted from the existing flow that you have measured.

In addition, to Mark H.'s point, we need to **note that the additional flow is only from the MICC** and take credit for existing flow from the existing clean street that will be removed. Any flows that you have currently measured is existing.

Summarizing the totals below with updated existing clean street flow in GPD.

MICC (Domestic)							
Floor	Occupancy	Water (Daily)					Total (GPD)
B	32	15					480
1	84.5	15					1,268
2	51	15					765
3	170	15					2,550
4	170	15					2,550
5	170	15					2,550
		1,052					10,163
		people					Daily Total

CRS (DI)							
Floor	Occupancy	Water (Daily)					Total (GPD)
1	77	15					1,155
		1,052					1,155
		people					Daily Total

Process (DI)	Flow (GPM)	Rejection	Total (GPM)				Total (GPD)
Crest (Clean Street)	6	50%	9				12,960
Equipment CS	1	50%	1.5				2,160

Existing Clean Street	Flow (GPM)	Rejection	Total (GPM)				Total (GPD)
Existing Clean Street	-	-	-				7,555

Average Daily Usage							Total GPD (B,1,2)	18,788	
10 Office							Total GPD (B,1,2 3,4,5)	26,438	
5 add for Kitchen							Existing Clean Street to be removed (GPD)		7555
15									
gallons per day									

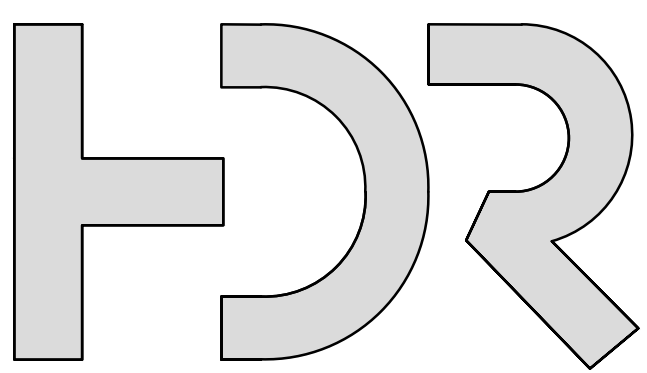
Average Daily Usage								
10 Office								
5 add for Kitchen								
15								
gallons per day								

EXISTING EQUIPMENT TO BE REMOVED FROM B77 BLDG								
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Thanks,

Anish S. Dubadi, PE
 D 212.471.1271 C 917.753.3407

From: Nazareno, Gemini <Gemini.Nazareno@hdrinc.com>
Sent: Tuesday, December 19, 2023 8:39 AM
To: Joseph A. Canas <JACanas@tighebond.com>; Dubadi, Anish <Anish.Dubadi@hdrinc.com>; John W. Block <JWBlock@tighebond.com>
Cc: ryan.brennan@asml.com; Debrauske, Mark <Mark.Debrauske@hdrinc.com>; Rotondo, Brian <Brian.Rotondo@whiting-turner.com>
Subject: RE: ASML - MICC Addition Sewer Demand



HDR ENGINEERING, P.C.
500 7th Avenue, 15th Floor
New York, NY 10018
(212) 904-1212



1000 Bridgeport Avenue
Suite 320
Shelton, CT 06484
(203) 712-1100

THIS DOCUMENT HAS NOT YET RECEIVED APPROVAL FROM THE TOWN OF WILTON PLANNING AND ZONING COMMISSION, OR THE TOWN OF WILTON INLAND WETLANDS AND WATER RESOURCES COMMISSION. THEREFORE, THIS SET OF DRAWINGS IS SUBJECT TO CHANGE, PENDING MUNICIPAL REVIEW COMMENTS.



ASML
MICC Building

77 DANBURY ROAD
WILTON, CT
06897



a. Pursuant to section 8-3.(1) of the Connecticut General Statutes, all work in connection with this Special Permit shall be completed within five years after the approval of the plan. Said five-year period shall expire on December 10, 2028.
b. For conditions of approval for Special Permit #514, see Resolution #1123 - 514SP.

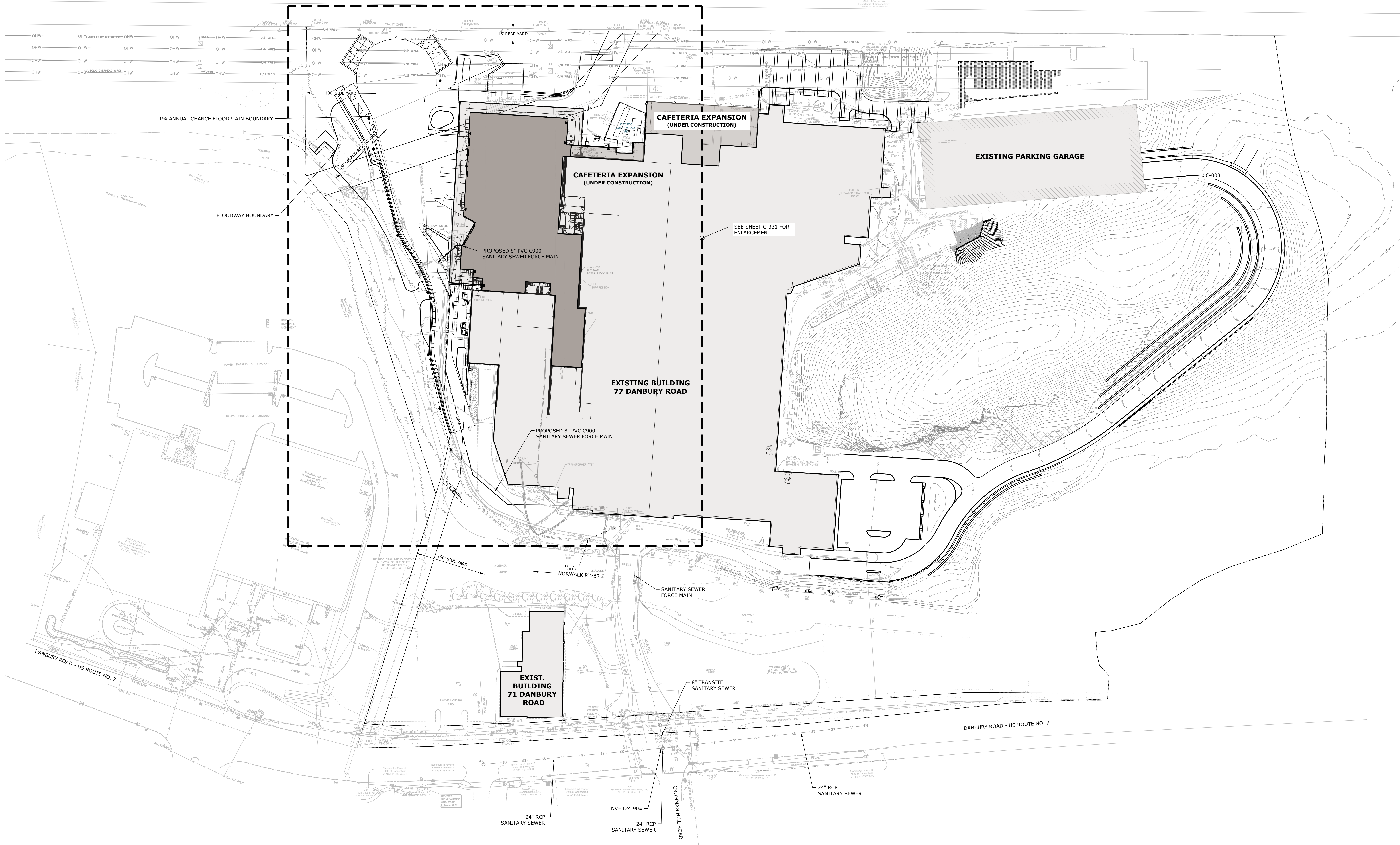
MARK	DATE	DESCRIPTION
2	12/07/2023	ZONING PERMIT SET

Project Number: A0969-023
Original Issue: 12/06/2023

Zoning Permit Set

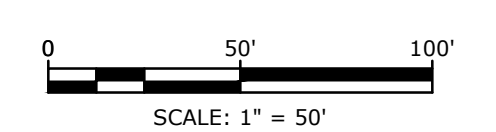
Sheet Name
OVERALL SANITARY SEWER PLAN

Scale: 1" = 50'
Asset / Bldg Number: BIM77
Sheet Number: C-330
Project Status: ZONING PERMIT SET



OVERALL SANITARY SEWER PLAN NOTES

- INFORMATION FOR 24" SANITARY SEWER IN DANBURY ROAD TAKEN FROM DRAWING TITLED "TOWN OF WILTON, CONNECTICUT, SANITARY SEWER SYSTEM, PLAN AND PROFILE, STATION 33+00 TO 45+00, US ROUTE NO. 7, BY ALBERTSON, SHARP & BACKUS, INC., DATED JULY 1977.
- THE ACCURACY AND COMPLETENESS OF SUBSURFACE INFORMATION SHOWN ON THESE DRAWINGS IS NOT GUARANTEED. THE CONTRACTOR SHALL DETERMINE THE LOCATIONS AND ELEVATIONS OF ALL UTILITIES WHICH MAY AFFECT CONSTRUCTION OPERATIONS. THE CONTRACTOR MUST ADEQUATELY PROTECT AND SUPPORT UTILITIES AND SHALL BE RESPONSIBLE FOR ALL DAMAGE INCURRED AT NO EXPENSE TO THE OWNER. ANYONE USING UTILITY INFORMATION AND DATA PROVIDED HEREIN SHALL CONTACT "CALL BEFORE YOU DIG", 1-800-922-4455 OR WWW.CBYD.COM, 72 HOURS IN ADVANCE TO VERIFY THE LOCATION OF UTILITIES PRIOR TO STARTING CONSTRUCTION.
- REFERENCE IS MADE TO PLAN TITLED "PROPOSED DRIVEWAY, EXISTING CONDITIONS, PREPARED FOR ASML US, LLC.", PREPARED BY ARTHUR H. HOWLAND AND ASSOCIATES, PC, DATED APRIL 20, 2022 AND "PARTIAL TOPOGRAPHIC SURVEY, PREPARED FOR ASML US, LLC.", PREPARED BY ARTHUR H. HOWLAND AND ASSOCIATES, DATED JANUARY 14, 2023.
- VERTICAL DATUM: NAVD88



Last Saved: 12/21/2023 10:45:00 AM
 User: Administrator
 Project: 12/21/2023 10:45:00 AM
 File: A0969-023-C-330-SANL.dwg

