

CITY OF STAMFORD

MAYOR
CAROLINE SIMMONS

DIRECTOR OF OPERATIONS
MATT QUINONES
Email: MQuinones@StamfordCT.gov



CITY ENGINEER
LOUIS CASOLO, JR., P.E.
Email: LCasolo@StamfordCT.gov

INTEROFFICE MEMORANDUM

November 9, 2023

To: Vineeta Mathur Principal Planner

From: Susan Kisken P.E. - Coordinator of Site Plan Reviews and Inspections

Subject:

**375 Fairfield Avenue - 375 Fairfield Avenue Associates
Zoning Application No. 223-43**

The Engineering Department has received applications for the construction of two new warehouses/flex industrial/commercial buildings. We have received the following documents for review:

- Application for Approval of Site Architectural Plans and/or Requested Uses, dated 10/20/23
- Application for Special Permit, dated 10/20/23
- Schedule A and LUB documents
- Drainage Summary Report, dated 10/04/23
- Landscape Plans, LP.1 and LP.2, dated 10/9/23, prepared by Environmental Land Solutions, LLC.
- Zoning Location Survey of Property at 375 Fairfield Avenue in Stamford, Connecticut Prepared for 375 Fairfield Avenue Associates, dated 10/4/23, prepared by D'Andrea Surveying & Engineering, P.C.
- Site Plan Review Set Commercial Development Location 375 Fairfield Avenue Stamford, Connecticut Prepared for 375 Fairfield Avenue Associates, dated 10/4/23, prepared by D'Andrea Surveying & Engineering, P.C.
- Site Plan Application Architectural Drawing Set, dated 10/4/23, prepared by Jason Little Architects, PLLC.
- Building "A" Proposed Average Grade Worksheet and Building "B" Proposed Average Grade Worksheet, 375 Fairfield Avenue Stamford, Connecticut Prepared for 375 Fairfield Avenue Associates, dated 10/4/23, prepared by D'Andrea Surveying & Engineering, P.C.

The engineer of record, Derek E. Daunais, PE has stated, "Based on the above information, the proposed improvements are designed in accordance with the City of Stamford Stormwater Drainage Manual and will not adversely impact adjacent or downstream properties or City owned drainage facilities."

The Engineering Department offers the following PRELIMINARY comments to be addressed by an engineer licensed in the State of Connecticut:

- 1) A Drainage Maintenance Agreement will be required.
- 2) How does the area between the existing Building No. 1 and the modular block retaining wall drain?
- 3) Show all proposed easements.
- 4) Transportation, Traffic and Parking Department approval will be required.
- 5) Reduce the width of the driveway accesses.
- 6) Are there any proposed generators?
- 7) Identify the location of all roof drains.
- 8) Review locations of all utility poles along Fairfield Avenue.
- 9) There appears to be a low point along the property line to the rear of Proposed Building "B". How will this area drain?
- 10) Cross slope between Building "B" and Building "1" is in excess of 5% which is excessive.
- 11) Retention System No. 1 shall be raise to be at least 1 foot above any restrictive layer.
- 12) Porous Pavement Area No. 1 shall be raise to be at least 1 foot above any restrictive layer.
- 13) Provide inlet analysis.
- 14) Provide drainage maintenance schedule on the plans.
- 15) Off-site tributary area shall be considered in the drainage model, inlet capacity and pipe conveyance.
- 16) Provide pipe conveyance calculations.
- 17) Approval from the WPCA will be required.
- 18) Garage drains, if any, shall discharge to an oil separator prior to discharging to the sanitary sewer. Coordinated oil separator(s) with the WPCA.
- 19) Parking areas shall discharge though oil separators prior to discharging.
- 20) The City of Stamford Stormwater Drainage Manual in conjunction with the City of Stamford MS4 Permit encourages the REDUCTION of impervious surfaces. Consider further reducing surface parking and other impervious surfaces.
- 21) Review all proposed grades as they blend with existing. Modifications may be warranted.
- 22) Provide calculations for oil separator sizing.
- 23) Show all existing and proposed utilities for each building.
- 24) Video all sanitary and storm sewer pipes to remain.

- 25) Provide test pits at all infiltration/retention systems and porous pavement areas.
- 26) Show all proposed wall drains, if any.
- 27) Does the site need to be remediated?
- 28) In drainage model, review storage in porous pavement and depth storage. Only the 40% volume in the No. 2 stone shall be considered. Review all elevations.
- 29) Justify water quality volume provided for Pr. Area #1C and Pr. Area #1F.
- 30) GIS records indicate that there was a structure and landscape area in the northerly corner of the property and other landscape areas that existed on the property within the past ten years. As such, these site conditions shall be used in the existing conditions model. Refer to old GIS mapping for landscape areas on the property.
- 31) Drawdown infiltration rate shall be revised based on test results.
- 32) The Engineering Department reserves the right to make additional comments.

Should you have any questions, please call me at 977-6165.

CC: Derek Daunais, PE

Reg. No. 323

From: Armstrong, Chad <CArmstrong1@StamfordCT.gov>
Sent: Friday, January 5, 2024 10:30 AM
To: Mathur, Vineeta <VMathur@StamfordCT.gov>
Cc: Martino, Robert <RMartino@StamfordCT.gov>; dchapple@carmodylaw.com
<dchapple@carmodylaw.com>
Subject: RE: 375 Fairfield Avenue

Good Morning Vineeta,

After reviewing the Project proposed for 375 Fairfield Avenue, we have no objections with approving this project.

Keeping in mind that we would require the following at a minimum:

- a hydrant within 100ft of each buildings Fire Department Connection (FDC). Maximum Hydrant spacing for Commercial & Industrial is 300 ft apart, which may then require installation of an additional Hydrant inside the complex for each building.
- Based on size of the Warehouses would require to be sprinklered buildings and a minimum of two remotely located FDC's per building with two independent remote standpipes.
- Water Mains sizing would require 12 inch main for Commercial Use (2000 GPM w residual pressure of 20 PSI) and 16 Inch Main for Industrial Use, (3500 GPM w/ residual Pressure of 20 PSI. Will need to address Water Main issue if not meeting these standards currently
- Apparatus Roadways shall be provided around the buildings with the capability of holding 75,000 pounds of weight potentially requiring reinforced concrete/asphalt.
- All underground water supply systems, including fire hydrants, shall be installed, tested and placed in service prior to placing combustible building materials for structures, or combustible prefabricated building assemblies on the project site, utilizing them in the construction of the building structure.
- Owner or Developer of water supply system shall provide a system that will meet fire protection design requirements. Fire Flow tests shall be witnessed by the Fire Marshal and it will be the duty of the applicant, owner, developer or contractor to notify the fire marshal of a date and time of the test at least 72 hours in advance.
- All structures shall be accessible so that clear path exists from the fire hydrant to the means of egress door. Such roadway shall meet current standards to support fire apparatus , and sufficient width and height so no damage or harm will occur to firefighter or apparatus.

Please have who ever is required to review and respond to what has been documented here to confirm the minimum noted. The approval of this project by the fire marshal office, does not limit discovery of future deficiencies to be address and corrected during the Plan Review process and or during the construction process.

Be Safe,

Chad Armstrong
Assistant Fire Marshal (FM 102)

Stamford Fire Department
888 Washington Blvd. 7th fl
Stamford, CT 06901

Desk: (203) 977-4843

Main: (203) 977-4651

Cell: (203) 223-2418

Carmstrong1@stamfordct.gov

MAYOR
Caroline Simmons



**CITY OF STAMFORD
PLANNING BOARD
LAND USE BUREAU**
888 WASHINGTON BOULEVARD
STAMFORD, CT 06904 -2152

DIRECTOR OF OPERATIONS
Matthew Quiñones

Land Use Bureau Chief
Ralph Blessing

Principal Planner
Vineeta Mathur
(203) 977-4716
vmathur@stamfordct.gov

Associate Planner
Lindsey Cohen
(203) 977-4388
lcohen@stamfordct.gov

December 1, 2023

Mr. David Stein, Chair
City of Stamford
Zoning Board
888 Washington Boulevard
Stamford, CT 06902

RE: ZB APPLICATION #223-43 - 375 FAIRFIELD AVENUE ASSOCIATES - 375 FAIRFIELD AVENUE - Site & Architectural Plans and/or Requested Uses and Special Permit

Dear Mr. Stein & Members of the Zoning Board:

During its regularly scheduled meeting held on Tuesday, November 28, 2023, the Planning Board reviewed the above captioned application referred in accordance with the requirements of the Stamford Charter.

Applicant is proposing to construct two (2) new warehouse/flex industrial/commercial buildings on the property. Proposed Building A will be three (3) stories and approximately 54,156 sq. ft. Proposed Building B will be one (1) story and approximately 39,980 sq. ft. The property is located within the M-G (General Industrial) Zoning District.

William Hennessey, Carmody Torrance Sandak & Hennessey, LLP, representing the applicant, made a presentation and answered questions from the Board.

The Planning Board felt that there should be more outdoor space for employees and the rooftop space should be useable.

After some discussion, the Planning Board unanimously voted to recommended *approval* of **ZB Application #223-43** and this request is compatible with the neighborhood and is in general harmony with Master Plan Category #13 (Industrial - General) and specifically aligned with the following Master Plan strategies and policies:

- Policy 3A: Increase economic resiliency and diversity.
- Policy 7H: Encourage infill development.
- Policy 7V: Energy efficient lighting and reduced ambient light.

Sincerely,

STAMFORD PLANNING BOARD

Theresa Dell, Chair

TD/lac

RECEIVED

DEC. - 1 2023

PLANNING BOARD

MAYOR
CAROLINE SIMMONS

DIRECTOR OF OPERATIONS
MATT QUIÑONES
Email: mquinones@stamfordct.gov



TRANSPORTATION BUREAU CHIEF
FRANK W. PETISE, PE
Email: fpetise@stamfordct.gov

OFFICE OF OPERATIONS
TRANSPORTATION, TRAFFIC & PARKING
Tel: (203) 977-5466/Fax: (203) 977-4004
Government Center, 888 Washington Blvd., 7TH Floor, Stamford, CT 06901

INTEROFFICE MEMORANDIUM

TO: Zoning Board Office

FROM: Frank W. Petise, PE
Transportation Bureau Chief



Jianhong Wang, PE, PTOE, RSP1
Traffic Engineer

DATE: November 30, 2023

RE: Zoning Board Application 223-43

Application #223-43

375 Fairfield Avenue
375 Fairfield Avenue Associates

The Transportation, Traffic & Parking Department (TTP) has reviewed the following documents:

- Zoning Board application received November 2, 2023;
- Traffic Impact Study prepared by SLR dated October 20, 2023;
- Site Plan Application Architectural Plans prepared by Jason Little Architects dated October 4, 2023;
- Site Plan Review Set prepared by D'Andrea Surveying and Engineering dated October 4, 2023;
- Zoning Location Survey prepared by D'Andrea Surveying and Engineering dated October 4, 2023; and,
- Landscaping Plan prepared by Environment Land Solutions dated October 9, 2023.

The TTP Development provides the following review comments on the application:

Traffic Impact Study Comments

1. Please clarify site access including truck access associated with the proposed redevelopment. The TIS states that the site will rebuild four curb cuts with one on Selleck Street to provide access for tractor-trailers and semi-trailers for Building A parking area in addition to three driveways on Fairfield Avenue, while the Site Plans show only three driveways on Fairfield Avenue for the site.
2. Provide a queue summary table for the intersection of Fairfield Ave and Selleck St.

Site Plan Comments

1. Please clarify if designated truck access is proposed and if so, call out on the Site Plan. Appropriate signage should be installed to regulate truck access and circulation within and adjacent to the site.
2. Provide truck turning templates for WB-67 at all driveway intersections where truck access will be allowed.
3. The proposed new sidewalk along the site frontage on Fairfield Avenue shall include a 4' grass amenity strip with a 6' concrete sidewalk.
4. Sidewalk shall run flush across the driveway apron.
5. Include tactile warning pads at all driveway aprons where the sidewalk crosses the driveway.
6. The pedestrian ramp proposed at the southern driveway apron shall follow the same direction as the proposed sidewalk.
7. Include a concrete standing pad in the grass amenity strip at all bus stops along the site frontage.
8. Include wheel stops at all parking spaces that abut a sidewalk/walkway.
9. Include trees in the grass amenity strip.
10. The existing ramp to remain near the accessible parking area on the north side of Building 1 shall be upgraded to be fully ADA compliant, particularly regarding the slope and tactile warning pad.
11. A minimum of 4' is required on all sidewalks/walkways within the site, including the sidewalk near electric vehicle chargers.
12. All roadway centerlines shall be yellow.
13. The Department reserves the right to make additional comments.



City of Stamford
ENVIRONMENTAL PROTECTION BOARD
INTEROFFICE CORRESPONDENCE

TO: Vineeta Mathur, Associate Planner
Land Use Bureau, Stamford

FROM: Jaclyn Chapman, Environmental Analyst

SUBJECT: 375 Fairfield Avenue
ZB Application No. 223-43
Site and Architectural Plans and/or Requested Uses, Special Permit

DATE: November 13, 2023

375 Fairfield Avenue Associates seeks approval of Site & Architectural Plans and/or Requested Uses and a Special Permit for construction of two new warehouse/flex industrial/commercial buildings. Proposed building A will be three stories and approximately +54156 square feet (SF) in size. Proposed Building B will be one story and approximately 39,980 SF in size. The parcel is identified as follows in the records maintained by the Stamford Tax Assessor:

Address	Lot No.	Account	Card	Map	Block	Zone	Area
375 Fairfield Avenue	A&B	001-3193	W-051	132	35	M-G	+9.38 Acres

375 Fairfield Avenue currently supports eight buildings that were constructed in the 1930s and have been used as warehouse/flex industrial/commercial space for a variety of tenants. Currently, the property is home to companies in the fields of printing, truck rentals, roofing, flooring, HVAC supply, medical equipment storage, delivery, restaurant storage, and home improvement. The property is also home to a variety of design tenants. The eastern portion of the property consists of a mixture of compacted gravel and paved parking areas, which are rented out to car dealerships and seasonally for winter boat storage. The applicant proposes to build two new warehouse/flex industrial/commercial buildings that will be marketed toward similar industrial and design tenants. An additional 52 parking spaces will be added to serve building A and 48 parking spaces will be added to serve building B. The area around the new buildings and parking areas will be landscaped with a variety of plants and shade trees. The property is surrounded by Metro-North railroad to the north and other industrial development to the south.

Environmental Protection Board Staff has reviewed the plans submitted for the above-referenced property. The property does not lie within a special flood hazard area (Zone X, FIRM 09001C0516G, 7/8/2013). The property does not support any wetlands or watercourses. The property is not located within the coastal area boundary.

Based on this review, EPB staff has no objections to the proposed Site and Architectural Plans and/or Requested Uses, Special Permit, and development with recommended conditions to minimize potential impacts from the proposed development provided below:

- 1) Prior to endorsement for the issuance of a Building Permit, final approval by the Engineering Bureau.
- 2) Final civil, architectural, and other related plans shall be subject to the review and approval of EPB Staff prior to the start of any site activity and issuance of a building permit.

- 3) All sediment and erosion control and construction controls shall be installed and approved in writing by EPB staff prior to the start of any site activity.
- 4) Pavement areas shall be swept on a regular basis to limit offsite impacts.
- 5) Upon the completion of all construction activities and prior to the receipt of EPB authorization for a final certificate of occupancy/completion, all disturbed earth surfaces shall be stabilized with topsoil, seed, and mulch, sod, or other suitable alternatives. The stabilization requirement applies not only to lawn and landscape space, but to all gutter outfalls, driplines, walkways, drives, land areas under exterior stairs and decks, etc.
- 6) All final grading, drainage, stabilization, and other engineered elements shall be completed under the supervision of a Connecticut registered professional engineer/surveyor with an improvement location survey (surveyor) and written certifications (engineer) submitted to EPB Staff prior to the receipt of a signature authorizing the issuance of a certificate of occupancy and release of surety.
- 7) Submission of a standard, City of Stamford, drainage facilities maintenance agreement to ensure the full and proper function of all drainage structures prior to the issuance of a certificate of occupancy/completion and release of the performance surety.
- 8) All landscaping shall be implemented under the supervision of a certified landscaping professional with written certifications (signed/letterhead) submitted to EPB Staff prior to the issuance of a certificate of occupancy and release of surety.
- 9) Submission of a standard, City of Stamford, landscape agreement to ensure the survival of all proposed landscape enhancements prior to the issuance of a certificate of occupancy/completion and release of the performance surety.

Thank you for the opportunity to provide these comments.

William P. Brink, P.E. BCEE
Executive Director
Stamford Water Pollution Control Authority
203-977-5809
wbrink@stamfordct.gov



Edward Kelly, Chairman
SWPCA Board of Directors
Stamford Water Pollution Control Authority
ekelly@stamfordct.gov

TO: Vineeta Mathur, Principal Planner

FROM: Ann Brown, P.E., Supervising Engineer

DATE: December 12, 2023

RE: **Application 223-43 – 375 Fairfield Avenue Associates, 375 Fairfield Ave. Stamford, CT – Site and Architectural Plans and /or Requested Uses, Special Permit**

The Stamford Water Pollution Control Authority (SWPCA) has reviewed the above referenced application and provides comments as follows:

Sanitary Lateral(s)

1) Building A:

- a. The proposed sanitary tie-in connection must be an approved saddle connection to the public sewer line. A chimney connection may be required to ensure the private lateral slope does not exceed 2%, and it must meet either the City standard specification and/or the approved modular style chimney design requirements. Both saddle and/or chimney connections must be encased in concrete. Attached are the approved saddle and chimney specification information.
- b. Applicant and/or Contractor needs to schedule the tie-in activity with Stamford WPCA's Collection Systems Supervisor at least 3-days in advance for scheduling WPCA personnel to witness and photograph the sewer tie-in connection. Anytime between 7:30 a.m. and 2 p.m. (Mon. thru Fri.).
- c. The contractor is not to break into the public sewer line without WPCA being present.
- d. Additionally, the sewer tie-in distance information from at least 2-permanent stations, i.e., telephone pole and number, distance from nearest manhole cover, corner of building with address number, etc., and depth of tie-in, along with a sketched drawing depicting these monuments and distances must be submitted for final approval.

2) Building B:

- a. The Sheet C-2.2 Building B Drainage & Utility Plan proposes a sewer tie-in to an existing stub lateral for Building B. As noted on the utility plan, before connecting to the existing stub lateral the owner/permit applicant must videotape

the stub lateral to the public sanitary sewer line, to ensure there are no obstructions and the stub lateral is in good operational condition. A copy of this video must be provided to SWPCA for review and approval. Upon receipt of SWPCA's approval, the owner/permit applicant must coordinate and schedule the connection activity with the City Plumber inspector.

- b. MH structure's exteriors must be waterproof and all penetrations on the outside and inside of the structure must be properly sealed. Prior to backfilling, an onsite inspection must be scheduled with Stamford WPCA's Collection Systems Supervisor by email (spietrzyk@stamfordct.gov) at least 3-days in advance for WPCA personnel to witness and photograph the MH structure.

Food Service

- 3) The Sheet A-9 Bldg A 1st Floor Plan and page 3 of the project narrative note a Food Service Establishment is proposed for Building A. As part of the building permit process for this development, food service establishments (FSE) and/or other facilities where there is potential for Fats, Oils, and Grease (FOG) to discharge into the sanitary sewer are obliged to comply with Stamford's Fats, Oils, and Grease (FOG) Abatement Program administered by the Stamford Water Pollution Control Authority. Facilities include but are not limited to restaurants, office cafeterias, church kitchens, etc. The FSE or facility shall be equipped with adequately sized, properly functioning, and SWPCA approved grease management equipment (GME). In addition, all of the correct kitchen equipment, fixtures, and/or drains shall discharge into the GME (see excerpt from Section 5 of the General Permit for the Discharge of Wastewater Associated with Food Service Establishments below).

CT DEEP General Permit for the Discharge of Wastewater Associated with Food Service Establishments Section 5. (b) Treatment Requirements (1) Grease Trap/FOG Interceptor
(A) The grease trap/FOG interceptor shall be installed to service kitchen flows and shall be connected to those fixtures or drains which would allow fats, oils, and grease to be discharged. This shall include:

- (i) pot sinks;
- (ii) pre-rinse sinks;
- (iii) any sink into which fats, oils, or grease are likely to be introduced (i.e. Mop Sinks);
- (iv) soup kettles or similar devices;
- (v) wok stations;
- (vi) floor drains or sinks into which kettles may be drained;
- (vii) automatic hood wash units; and
- (viii) any other fixtures or drains that are likely to allow fats, oils and grease to be discharged.

Connection Charge

- 4) A Connection Charge may be assessed by the SWPCA in accordance with the City Charter of the City of Stamford (Sec. 200-41) and as provided by state law (Connecticut General Statutes §7-255). The issuance of a Certificate of Occupancy (CO) signals the completion of construction, and the CO is, therefore, the starting point of the Connection Charge process. Once each year the CO's issued (starting with March first and running through the end of February the following year) are reviewed to determine those that reflect a change in sewer usage. Those properties reflecting additional sewer units will receive an assessment in the fall following the above period. Connection Charges are based on a "Sewer Unit" system. Questions regarding connection charge fees should be directed to the WPCA's Supervising Engineer, Ann Brown, via email ABrown2@stamfordct.gov or phone 203-977-5896.

SWPCA reserves the right to make additional comments.

Attachment

cc: Stephen A. Pietrzyk, Collections System Supervisor
Jane Gibeault, Regulatory Compliance Coordinator



Style "CB"[™] Sewer Saddle

A ROMAC ORIGINAL
- 1981 -



Patent #4494780

Design Advantages:

- **Inventory Reduction:** Unique gaskets fit wide range of diameters.
- **Ease of Installation:** Saddle can be installed by unskilled labor, using a socket or open end wrench. Built-in stop prevents blockages due to inadvertant insertion of branch into main.
- **Superior Strap:** Strong 304 stainless steel band GMAW & GTAW welded to roll threaded 304 stainless bolts adjusts over a wide range. Clamping force is well distributed by 3 1/2" width.
- **Flexibility:** Gasket allows considerable deflection due to earth movement, while large sealing surface and wide band strongly resist displacement.
- **Reliability:** Continuous rubber connection between rim and branch eliminates potential leak spots. Saddles have been tested to pressures well in excess of typical service test requirements.

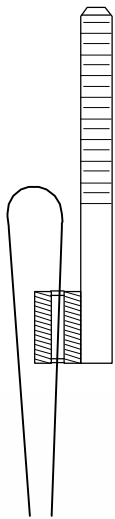
Note: A pipe stop capable of withstanding 1000 pounds of thrust is molded into the CB saddle gasket. Care must be taken during system design and installation to assure that this thrust limit is not exceeded.



Detail Specifications for Romac "CB"TM Sewer Saddles

Adjustable Strap

304 stainless steel band accommodates a wide range of pipe sizes. The stainless welds are fully passivated (chemically treated after welding to produce a highly corrosion resistant coating). The wide strap distributes the clamping force across the 3 1/2" width.



Gasket

SBR per ASTM D 2000 MBA 710, compounded for water and sewer service. Gaskets are especially formulated with antioxidant/antiozonant agent to increase shelf life.

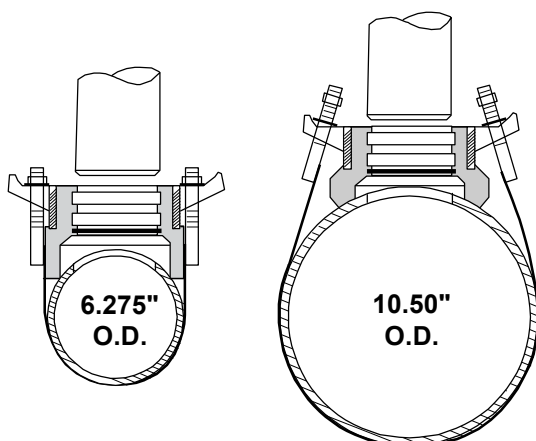


Saddle Casting

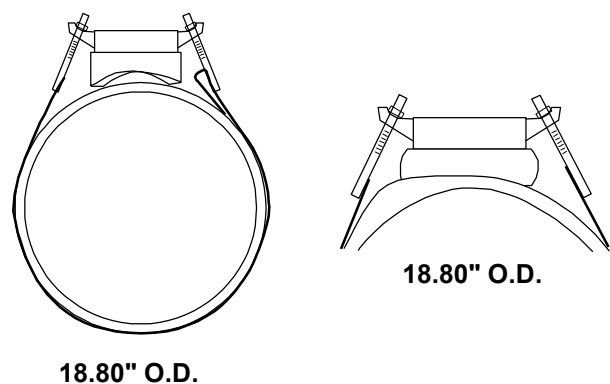
Ductile iron per ASTM 536, Grade 65-45-12. Protected with a yellow corrosion-resistant paint.

¹ **Passivated:** chemically treated after welding to produce a highly corrosion resistant coating.

Same saddle conforming to different outside diameters.



Saddle conforming to pipe.





Style "CB"™ Sewer Saddle

Material Specifications

Castings: Ductile iron per ASTM 536, Grade 65-45-12. Protected with a yellow shopcoat.

Adjustable Strap: 3 1/2" wide, stainless steel per ASTM A 240, type 304.

Bolts: 1/2" UNC rolled thread, lubricant coated, stainless steel per ASTM A 193, type 304.

Nuts: Stainless steel per ASTM A 194, type 304.

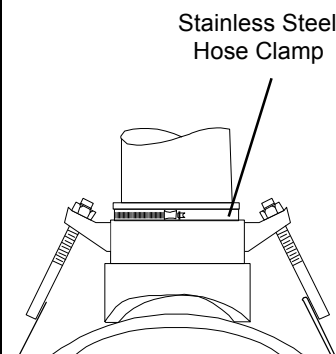
Washers: Stainless steel per ASTM A 240, type 304 and plastic lubricating washers.

Gasket: SBR per ASTM D 2000 MBA 710, compounded for water and sewer service. Other compounds available on request.



NOM. BRANCH SIZE	NOM. PIPE SIZE	RANGE	BRANCH TYPE	BRANCH O.D.	CATALOG NUMBER	LIST PRICE	ADD-ON EPOXY	APPROX. WEIGHT (lbs.)
4"	6"-12" 48" Strap	2 6.27-14.40 Regular Gasket	PVC Sewer	4.215	CB-4.215	\$131.05	\$39.86	10 #
			Tyseal	4.28	CB-4.28			
			C.I. Soil-No Hub	4.38	CB-4.38			
			PVC	4.50	CB-4.50			
			Universal ¹	4.20-4.80	CB-4.80UN ¹			
	Clay ¹	5.00-5.38	CB-5.38 ¹					
	14"-24" 96" Strap	14.40-25.80 Large O.D. Gasket	PVC Sewer	4.215	CB-4.215LS	166.65		
			Tyseal	4.28	CB-4.28LS			
			C.I. Soil-No Hub	4.38	CB-4.38LS			
			PVC	4.50	CB-4.50LS			
			Universal ¹	4.20-4.80	CB-4.80UNLS ¹			
	Clay ¹	5.00-5.38	CB-5.38LS ¹					
	24"-48" 192" Strap	25.80-54.00 Large O.D. Gasket	PVC Sewer	4.215	CB-4.215XLS	309.30		
			Tyseal	4.28	CB-4.28XLS			
			C.I. Soil-No Hub	4.38	CB-4.38XLS			
PVC			4.50	CB-4.50XLS				
Universal ¹			4.20-4.80	CB-4.80UNXLS ¹				
Clay ¹	5.00-5.38	CB-5.38XLS ¹						
6"	8"-12" 48" Strap	2 8.00-14.40 Regular Gasket	PVC Sewer	6.27-6.30	CB-6.30	174.70	60.29	12 #
			C.I. Soil-No Hub	6.27-6.66	CB-6.66UN ¹			
			Universal ¹	6.27-6.66	CB-6.66UNLS ¹			
			Cast Iron-D.I.	6.90	CB-6.90			
			Clay ¹	7.19-8.00	CB-8.00 ¹			
	14"-24" 96" Strap	14.40-25.80 Large O.D. Gasket	PVC Sewer	6.27-6.30	CB-6.30LS	208.61		
			C.I. Soil-No Hub	6.27-6.66	CB-6.66UNLS ¹			
			Universal ¹	6.27-6.66	CB-6.66UNLS ¹			
			Cast Iron-D.I.	6.90	CB-6.90LS			
			Clay ¹	7.19-8.00	CB-8.00LS ¹			
	24"-48" 192" Strap	25.80-54.00 Large O.D. Gasket	PVC Sewer	6.27-6.30	CB-6.30XLS	351.27		
			C.I. Soil-No Hub	6.27-6.66	CB-6.66UNXLS ¹			
			Universal ¹	6.27-6.66	CB-6.66UNXLS ¹			
			Cast Iron-D.I.	6.90	CB-6.90XLS			
			Clay ¹	7.19-8.00	CB-8.00XLS ¹			

**CB-4.80UN
Patent #4494780**



¹ CB Sewer Saddles for Universal and Clay pipe include stainless steel hose clamp.

² Regular gaskets are NOT interchangeable with large gaskets.

PARTS LIST

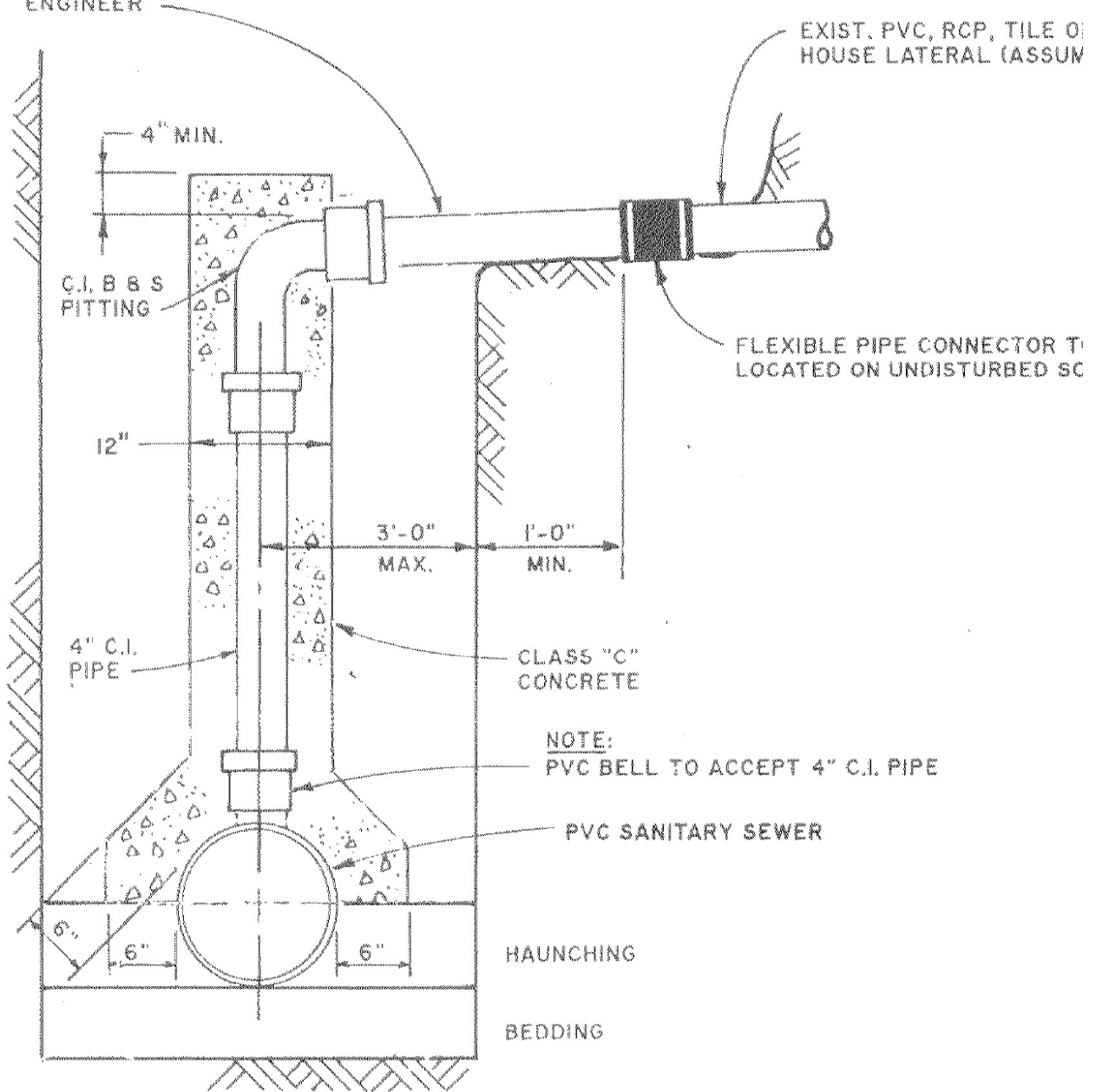
BRANCH SIZE	SIZE	GASKET	SADDLE CASTING	SLIDING BOLT	HOSE CLAMP ¹	STRAP
4"	6-12"	\$42.72	\$45.95	\$15.62	\$12.70	REG (48") \$42.38
	14-24"	58.27				LS (96") 62.42
	24-48"	58.27				XLS (192") 205.08
6"	8-12"	75.23	57.09	15.62	13.52	
	14-24"	89.10				
	24-48"	89.10				

To Order: Specify catalog number.

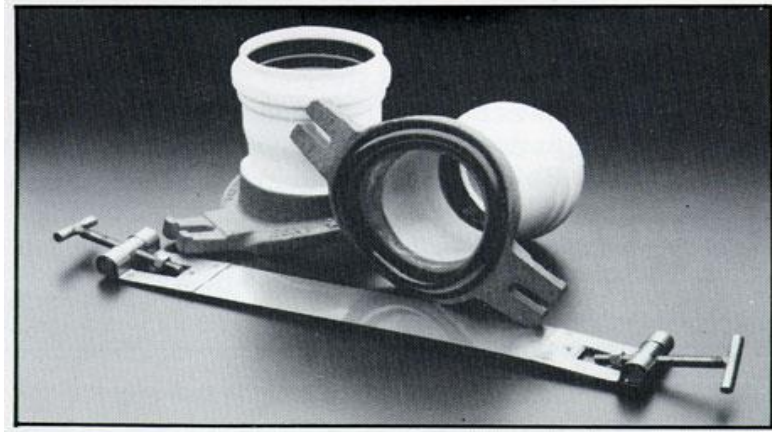
Example: To fit 4" branch to 6" -12" nominal pipe with branch 4.20 - 4.80, order

CB-4.80UN

STANDARD 4" CAST IRON PIPE,
 IF UNUSUAL CONDITIONS EXIST
 WITHIN THE TRENCH AREA, A
 CONCRETE REINFORCED CRADLE
 MAY BE REQUIRED AT THE
 DISCRETION OF THE FIELD
 ENGINEER



SEALTITE® * MULTI-RANGE SEWER PIPE SADDLES



- Absolutely infiltration - free connection
- Economical
- Reduces inventory
- Over ten inlet models available
- Will connect four, six or eight inch lateral
- Saddle base is constructed of tough, durable cast iron
- Stainless steel strap assemblies
- Eliminates haphazard connections
- Simple installation - immediate backfill
- Polyisoprene O-Ring forms seal between saddle and main

SEALTITE® TYPE "U" MULTI-RANGE TEE SEWER SADDLE VARIOUS CONTOURS TO FIT 6.275" THROUGH 30.00" OD GRAVITY SEWER MAINS

Models Available:



UH	4" & 6" Gasketed Bell to accept SDR-35
U40P	4" & 6" Solvent Weld PVC Hub to accept Sch 40
US	4" & 6" Spigot Can Connect Any Lateral with Proper FERNCO Coupling
UA	4" & 6" Spigot of SDR 35-PVC
UEX	4" & 6" Hub to accept Extra Heavy CI (Gasket Included)
USV	4" & 6" Hub to accept Service Weight CI (Gasket Included)
U26	4" & 6" NEW! Gasketed Bell to accept SDR-26

U40	4" & 6" NEW! Gasketed Bell to accept Sch 40
U40A	4" & 6" Spigot - Sch 40 PVC O.D.
U90A	4" & 6" Spigot - C900 O.D.
U90P	4" & 6" Solvent Weld PVC Hub to accept C900

All of Above Models Also Available With **Alignment Flange** (6.275" - 16.00" OD Mains)

SEALTITE® TYPE "E" MULTI-RANGE WYE SEWER SADDLE VARIOUS CONTOURS TO FIT 6.00" THROUGH 30.00" O.D. GRAVITY SEWER MAINS

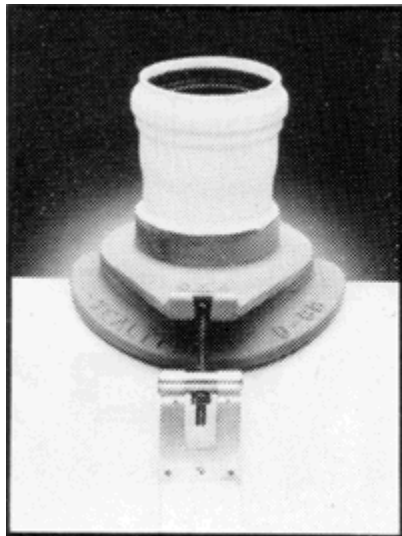
Models Available:



EH	4" & 6" Gasketed Bell to accept SDR-35
EI	4" Spigot - DI O.D.
E40P	4" & 6" Solvent Weld PVC Hub to accept Sch 40
ES	4" & 6" Spigot Can Connect Any Lateral with Proper FERNCO Coupling
EA	4" & 6" Spigot of SDR 35-PVC
EEX	4" & 6" Hub to accept Extra Heavy CI (Gasket Included)
ESV	4" & 6" Hub to accept Service Weight CI (Gasket Included)
E26	4" & 6" NEW! Gasketed Bell to accept SDR-26
E40	4" & 6" Gasketed Bell to accept Sch 40
E40A	4" & 6" Spigot - SCH 40 PVC O.D.
E90A	4" & 6" Spigot - C900 O.D.
E90P	4" & 6" Solvent Weld PVC Hub to accept C900

**SEALTITE® TYPE "C" MULTI-RANGE TEE SEWER SADDLE TWO
CONTOURS TO FIT 30.00" THROUGH 72.00" O.D. GRAVITY SEWER MAINS**

Models Available:

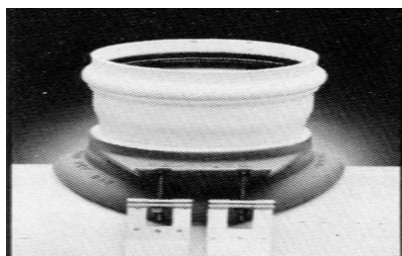


CH	4" & 6" Gasketed Bell to accept SDR-35
C40P	4" & 6" Solvent Weld PVC Hub to accept Sch 40
CS	4" & 6" Spigot Can Connect Any Lateral with Proper FERNCO Coupling
CA	4" & 6" Spigot of SDR 35-PVC
CEX	4" & 6" Hub to accept Extra Heavy CI (Gasket Included)
CSV	4" & 6" Hub to accept Service Weight CI (Gasket Included)
C26	4" & 6" NEW! Gasketed Bell to accept SDR-26
C40	4" & 6" NEW! Gasketed Bell to accept Sch 40
C40A	4" & 6" Spigot - Sch 40 PVC O.D.
C90A	4" & 6" Spigot - C900 O.D.
C90P	4" & 6" Solvent Weld PVC Hub to accept C900

Note: 6" Tap required in Main Regardless of Lateral Size

**SEALTITE® TYPE "8C" MULTI-RANGE TEE SEWER SADDLE VARIOUS
CONTOURS TO FIT 10.00" THROUGH 94.00" O.D. GRAVITY SEWER MAINS**

Models Available:

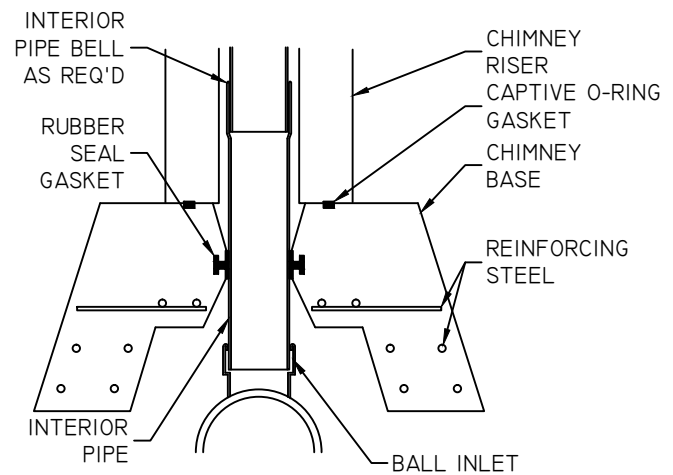
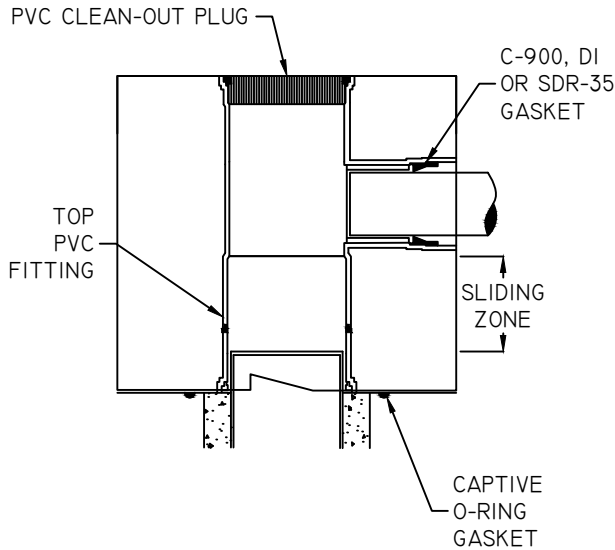
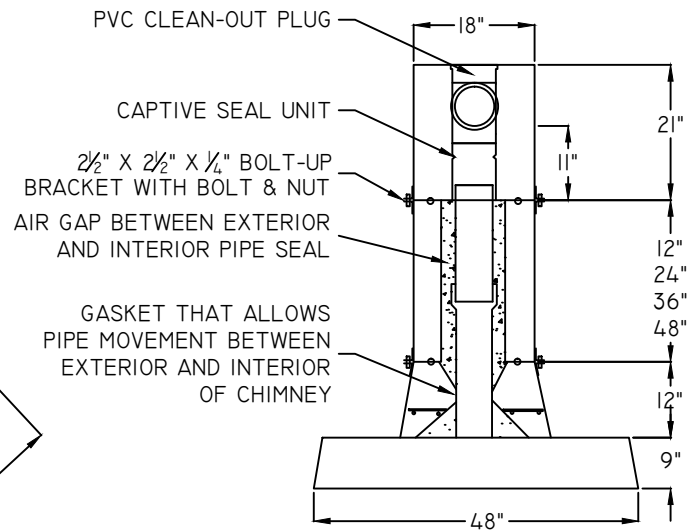
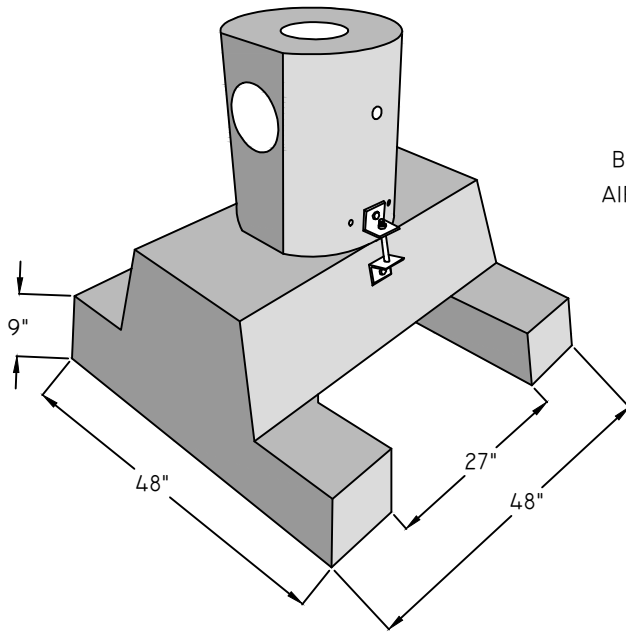


CH8	8" Gasketed Bell to accept SDR-35
8C40P	8" Solvent Weld PVC Hub to accept Sch 40
8C90A	8" Spigot C900 O.D.
CA8	8" Spigot of SDR 35-PVC
8C40	NEW! 8" Gasketed Bell to Accept Sch

40

8C40A 8" Spigot Sch 40 PVC O.D.

8C90P 8" Solvent Weld PVC Hub to Accept
C900



DESIGN NOTES:

1. CONCRETE - 5000 PSI, 28 DAYS
2. REINFORCING STEEL CONFORMS TO LATEST ASTM A615.
3. H-20 DESIGN LOADING PER AASHTO HS-20-44
4. FILL VOID UNDER BRIDGE SECTION WITH SUITABLE BEDDING MATERIAL
5. FOR USE WITH 18"Ø PIPE AND UP

PATENT 4,243,068
 PATENT 5,189,861
 PATENT 5,293,719
 PATENT 5,345,728
 PATENT 1,129,455 (CANADIAN)

ANY MODIFICATIONS TO THIS DOCUMENT WITHOUT THE WRITTEN CONSENT OF ARROW CONCRETE PRODUCTS SHALL RENDER IT INVALID AND UNUSABLE.



DOUBLE - SEAL
SEWER CHIMNEY

WIDE BASE

SCALE: N.T.S.

DATE: 2/10/12

DRAWN: JPW

DWG #

539 ORONOQUE ROAD
MILFORD, CONNECTICUT
(203) 301-5091

560 SALMON BROOK STREET
GRANBY, CT 06035
(860) 653-5063

21 VERGASON AVENUE
NORWICH, CONNECTICUT
(860) 889-2213