

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

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

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

April 15, 2024

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

**RE: ZB APPLICATION #224-04 - JOSEPH J. CAPALBO II representing RRIT, LLC -
91 HOPE STREET - Site & Architectural Plans and/or Requested Uses**

Dear Mr. Stein & Members of the Zoning Board:

During its regularly scheduled meeting held on Tuesday, April 9, 2024, the Planning Board reviewed the above captioned application referred in accordance with the requirements of the Stamford Charter.

Applicant is proposing to construct 27 townhouses along with on-site parking and associated landscaping.

Joseph J. Capalbo II, Esq, representing the applicant, made a presentation and answered questions from the Board.

After a brief discussion, the Planning Board unanimously voted to recommended **approval** of **ZB Application #224-04** with the recommendation the Zoning Board consider asking the developer to write all twenty-six (26) garages for possible installation of EV charging stations by the future owner. The Planning Board found this request is in general harmony with Master Plan Category #3 (Residential - Low Density Multifamily) and is aligned with the following Master Plan policies and strategies:

- Strategy 6C.2: Promote the development of a variety of housing types.
- Policy 7H: Encourage Infill Development.

Sincerely,

STAMFORD PLANNING BOARD

Theresa Dell, Chair

TD/lac

APR 17 2024



City of Stamford
ENVIRONMENTAL PROTECTION BOARD
INTEROFFICE CORRESPONDENCE

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

FROM: Jaclyn Chapman, Environmental Analyst

SUBJECT: 91 Hope Street
ZB Application No. 224-04
Site and Architectural Plans and/or Requested Uses

DATE: June 6, 2024

Joseph J. Capalbo, II, on behalf of RRIT LLC seeks approval of Site & Architectural Plans and/or Requested Uses for construction of 27 townhouses along with on-site parking and associated parking. The parcel is identified as follows in the records maintained by the Stamford Tax Assessor:

Address	Lot No.	Account	Card	Map	Block	Zone	Area
91 Hope Street	5A	002-6785	E-102	116	295	RM-1	±2.33 Acres

91 Hope Street currently supports a commercial structure and a single-family brick residence. A large portion of the property consists of an asphalt parking lot originally intended to support the existing commercial religious structures and uses. Currently, the commercial structure is vacant and has been unoccupied for a good number of years. There are several mature trees around the perimeter of the property, many of which will remain. The applicant proposes to remove the existing commercial structure and accessory garage. The existing residence will remain as a single-family dwelling. The remainder of the property will be developed with 26 town house style homes. Each of the proposed town house units is intended to have a two-car garage, as well as bicycle parking, 19 additional parking spaces, and EV charging stations. The area around the new buildings, parking areas, and the property's perimeter will be landscaped with a variety of plants and shade trees. The property is surrounded by single-family dwellings to the north and condominiums 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 09001C0509F, 6/8/2010). 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 and development with recommended conditions to minimize potential impacts from the proposed development provided below:

- 1) Work shall conform to the following plans:
 - a) 'Zoning Location Survey', prepared for RRIT, LLC, 91 Hope Street, prepared by Edwin W. Rhodes, III, CT LS #70436 of D'Andrea Surveying & Engineering, P.C. – dated December 12, 2023.
 - b) 'Average Grade Worksheet – Demolition Plan – Site Grading and Layout Plan – Storm Drainage and Layout Plan – Sanitary Sewer and Utility Layout Plan – Construction Staging and Management Plan - Sedimentation and Erosion Control Plan – Notes & Details – Details – Low Impact Development Plan', prepared for RRIT, LLC, 91 Hope Street, Stamford, Connecticut, prepared by

Derek E. Daunais, CT PE #2281 of D'Andrea Surveying & Engineering, PC – dated December 12, 2023.

- c) 'Landscape Plan', Hope Street Townhouses, 91 Hope Street, Stamford, Connecticut, by Matthew J. Popp, CT LA #00630 of Environmental Land Solutions, LLC – last revised January 10, 2024.
 - d) 'Proposed Residential Development Architectural Plans', prepared for RRIT, LLC, 91 Hope Street, Stamford CT, by AWA Design Group P.C.– last revised December 19, 2023.
- 2) Prior to endorsement for the issuance of a Building Permit, final approval by the Engineering Bureau.
 - 3) 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.
 - 4) Submission of a performance bond or certified check or other acceptable form of surety to secure the timely and proper performance of sediment and erosion/construction controls, drainage, professional supervision and certifications. A detailed estimate of these costs with a 15% contingency shall be supplied to EPB staff for approval prior to the submission of the performance surety. The performance surety shall be submitted to EPB Staff prior to the start of any site activity and issuance of a building permit.
 - 5) Work areas shall be staked in the field by a Connecticut surveyor prior to the start of any site activity.
 - 6) 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.
 - 7) Pavement areas shall be swept on a regular basis to limit offsite impacts.
 - 8) 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.
 - 9) 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.
 - 10) 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.
 - 11) 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.
 - 12) 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.

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

March 28, 2024

To: Vineeta Mathur Principal Planner

From: Willetta Capelle P.E. - Coordinator of Site Plan Reviews and Inspections

Subject:

91 Hope Street - RRIT LLC
Zoning Application No. 224-04

The Engineering Bureau received Zoning Application documents proposing to construct a 27-unit residential development and associated site and drainage improvements on an existing developed lot.

The following documents were reviewed:

- "Topographic Survey of Property at 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

- "Demolition Plan 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

- "Site Grading and Layout Plan 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

- "Storm Drainage Layout Plan 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

- "Sanitary Sewer and Utility Layout Plan 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

- "Construction Staging and Management Plan 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

- "Sedimentation and Erosion Control Plan 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

- "Notes & Details 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

-"Details 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

-"Low Impact Development Plan 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

-"Fire Truck Turning Radius Plan 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

-"Site Distance Plan 'Hope Street Townhouses' 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23

-"Zoning Location Survey of Property at 91 Hope Street Prepared for RRIT, LLC" by D'Andrea Surveying & Engineering, P.C. dated 12/12/23'

-"Drainage Summary Report for 'Hope Street Townhouses' Located at 91 Hope Street Prepared for RRIT, LLC" by Derek E. Daunais, P.E. of D'Andrea Surveying & Engineering, P.C. dated 12/12/23

The Engineer of Record, Derek E. Daunais, P.E. 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 Bureau has determined that the following must be addressed by a CT Professional Engineer prior to Building Permit issuance:

- 1) The Site Grading and Layout Plan states in several places that the retaining walls will be designed by a structural engineer; however, there are retaining wall details provided in the plan set. Clarify which walls will be designed by others. Wall certifications will be required for CO approval if walls are 3 ft or higher or supporting surcharge (regardless of height).
- 2) Engineering Bureau personnel will determine permanent pavement restoration limits.
- 3) Traffic Department to review and approve all pedestrian ramp types on and off site.
- 4) The riser heights appear to exceed 6 inches for the stairs adjacent to Unit 16.
- 5) Although both level spreaders are more than 10 ft from the property line, they are discharging to low-lying areas and may cause future adverse drainage impacts to the neighboring properties on Nash Place. Also, the Drainage Manual requires a 10 ft minimum separation between storage facilities and retaining walls, and a 25 ft minimum separation between storage facilities and wall drains.
- 6) Show the existing water and sewer laterals to remain for 91 Hope Street.
- 7) Show sanitary lateral inverts at all units.
- 8) Show gas services to all units.
- 9) Add the haybale reinforced silt fence symbol to the legend on the Sedimentation and Erosion Control Plan.
- 10) The binder course thickness must be 4 1/2 inches since Hope Street is an arterial road.
- 11) Specify 3500 psi concrete (minimum) for the bollard footing and add expansion material between the steel bollard and any abutting rigid surface.
- 12) Use City details for the Reinforced Concrete Driveway Entrance and Concrete Sidewalk on the Notes and

Details sheet.

13) Specify welded wire fabric 6x6-w2.9xw2.9 (or equivalent) for the Concrete Sidewalk with Planting Strip in City R.O.W. detail.

14) The catch basins must be H20 load rated. Revise the detail.

15) Add the City invert detail for storm manholes.

16) Provide the calculation for the WQV required in the Drainage Summary Report.

17) The infiltration test results are unclear. Review the values, add units to the charts and clearly show how the rates were calculated. The finished depths for one hour do not match the starting depths for the next hour.

18) Revise the draw down calculations as required, once infiltration rates are verified.

19) Engineering Bureau personnel must review and assign unit numbers for the entire development prior to Building Permit application submittal.

20) The Engineering Bureau reserves the right to make additional comments.

Please contact me at 203-977-4003 with any questions.

CC: Derek Daunais

Reg. No. 93

CITY OF
STAMFORD

MAYOR
CAROLINE SIMMONS

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

DIRECTOR OF OPERATIONS
MATT QUIÑONES
Email: mquinones@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

APR 30 2024

INTEROFFICE MEMORANDIUM

TO: Zoning Board Office
FROM: Jianhong Wang, PE, PTOE, RSP1
Traffic Engineer
DATE: April 30, 2024
RE: Zoning Board Application 224-04


Luke Bittenwieser
Transportation Planner

Application #224-04

91 Hope Street
RRIT LLC

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

- Zoning Board application received February 23, 2024;
- Site Plan Review Set prepared by D'Andrea Surveying and Engineering dated December 12, 2023;
- Zoning Location Survey prepared by D'Andrea Surveying and Engineering dated December 12, 2023;
- Landscape Plan prepared by Environmental Land Solutions LLC dated December 9, 2023; and,
- Architectural Plans prepared by AWA Design Group dated May 1, 2023.

The Department offers the following comments:

1. Provide a construction parking and loading plan.
2. The driveway apron shall have flared returns.
3. The sidewalk shall run flush across the driveway apron.

4. Tactile warning pads shall be added to each side of the driveway.
5. The pedestrian ramp at the intersection of Howes Avenue and Hope Street shall be single directional.
6. Traffic calming measures such as speed humps should be included on all drive aisles.
7. Additional sidewalks should be included on the site to enhance walking connections to the sidewalk.
8. Show electric vehicle charging stations on plan and provide specifications.
9. Show bike parking on plan and provide specifications.
10. Include specification for sign channels.

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



Ed Kelly, Chairman
SWPCA Board of Directors
Stamford Water Pollution Control Authority

Date: April 9, 2024
To: Vineeta Mathur, Associate Planner
From: Ann Brown, P.E., Supervising Engineer *AMB*
Subject: Application 224-04-Joseph J. Capalbo, II, on behalf of RRIT LLC, 91 Hope Street, Stamford, CT – Site and Architectural Plans and/or Requested Uses

The Stamford WPCA has reviewed the applications submitted for the referenced project proposing to construct 27 townhouses along with on-site parking and associated landscaping and offers the following comments:

Application 224-04 Site and Architectural Plans and/or Requested Uses

Sanitary Lateral

1. The submitted sanitary sewer and utility layout plan (dated 12/12/23) proposes a new sewer lateral connection to the 8” tile sanitary sewer main. Please include a detail of the saddle connection and incorporate the below sewer connection requirements into the utility plans:
 - a. 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 by email (spietrzyk@stamfordct.gov) 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; and,
 - 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. The private sanitary lateral manhole (MH) structure’s exteriors must be waterproof and all penetrations on the outside and inside of the structure must be properly sealed. The

Stamford WPCA, 111 Harbor View Ave., Stamford, CT 06902

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



Ed Kelly, Chairman
SWPCA Board of Directors
Stamford Water Pollution Control Authority

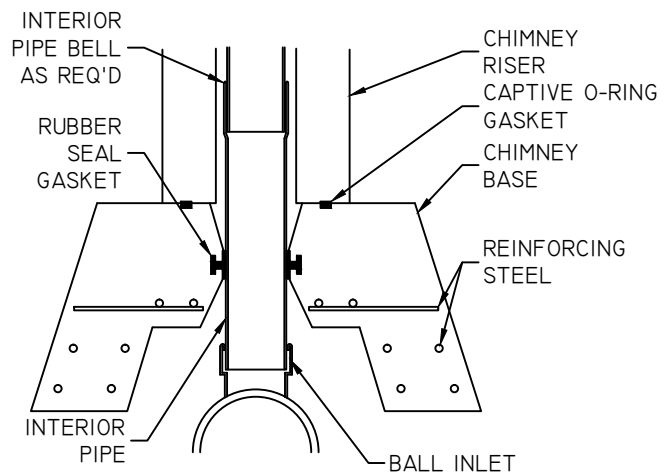
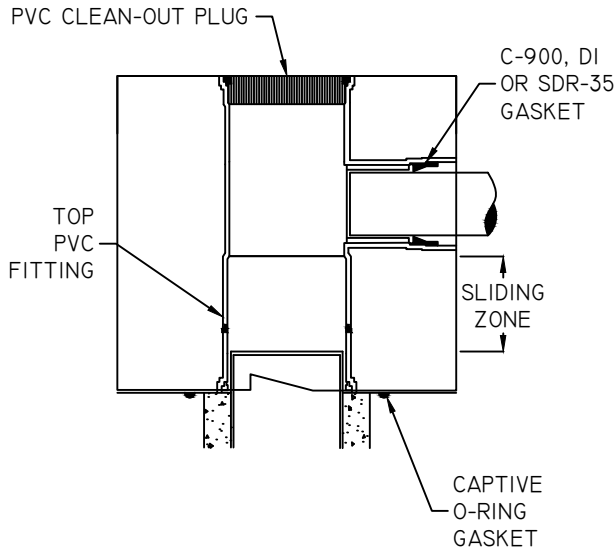
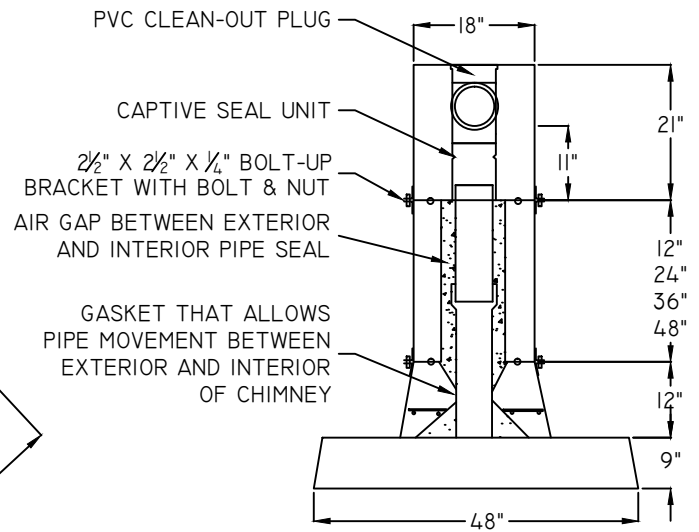
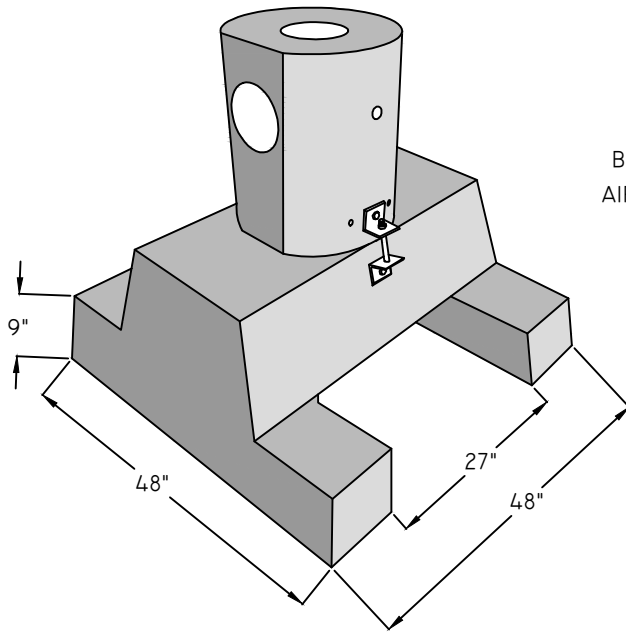
applicant and/or contractor must schedule the waterproofing activity with SWPCA's Collection Systems Supervisor at least 3-days in advance for SWPCA personnel to witness. Please incorporate as a note into the plans.

Connection Charge

3. Please note: 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 time period. Connection Charges are based on a "Sewer Unit" system. Please be aware that the connection charge can be substantial. 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.

If you have any questions, please call me at 203-977-5896.

Cc: William Brink, P.E., Executive Director WPCA
Stephen W. Pietrzyk, Collection Systems Supervisor WPCA



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

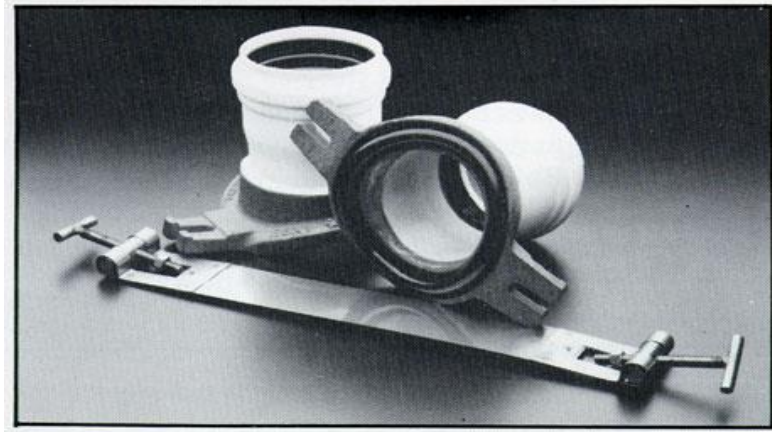
DWG #

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

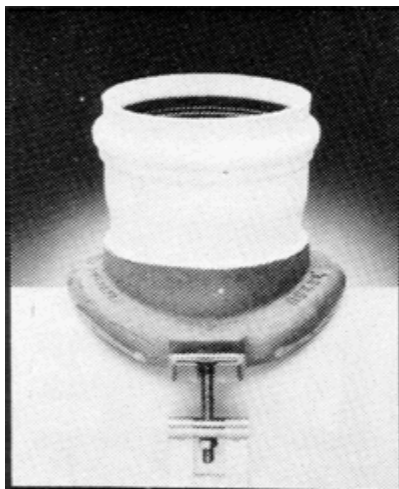
SEALTITE® * MULTI-RANGE SEWER PIPE SADDLES



- 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:



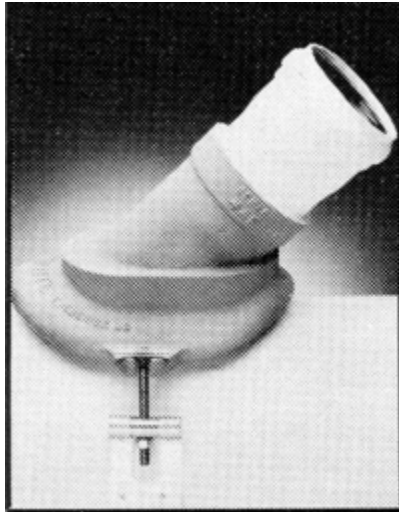
UH	4" & 6" Gasketed Bell to accept SDR-35
U40P	4" & 6" Solvent Weld PVC Hub to accept Sch 40
US	4" & 6" Spigot Can Connect Any Lateral with Proper FERNCO Coupling
UA	4" & 6" Spigot of SDR 35-PVC
UEX	4" & 6" Hub to accept Extra Heavy CI (Gasket Included)
USV	4" & 6" Hub to accept Service Weight CI (Gasket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

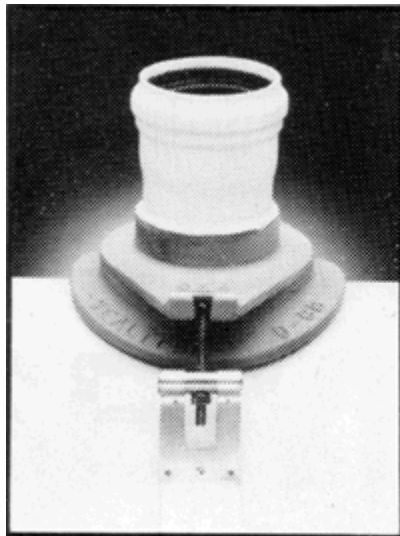
Models Available:



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:

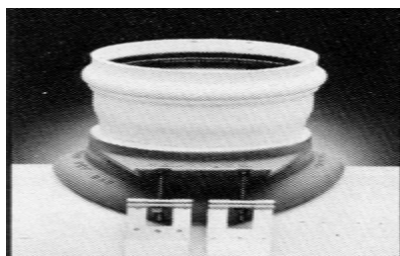


CH	4" & 6" Gasketed Bell to accept SDR-35
C40P	4" & 6" Solvent Weld PVC Hub to accept Sch 40
CS	4" & 6" Spigot Can Connect Any Lateral with Proper FERNCO Coupling
CA	4" & 6" Spigot of SDR 35-PVC
CEX	4" & 6" Hub to accept Extra Heavy CI (Gasket Included)
CSV	4" & 6" Hub to accept Service Weight CI (Gasket 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



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.

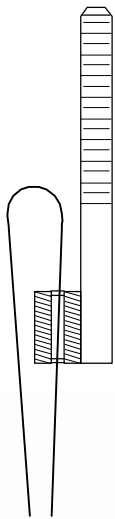
Note: A pipe stop capable of withstanding 1000 pounds of thrust is molded into the CB saddle gasket. Care must be taken during system design and installation to assure that this thrust limit is not exceeded.



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.

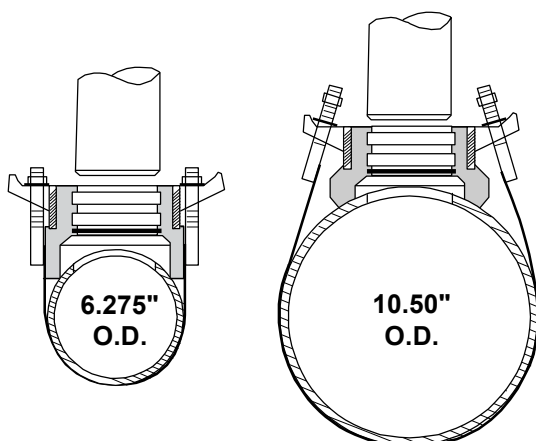


Saddle Casting

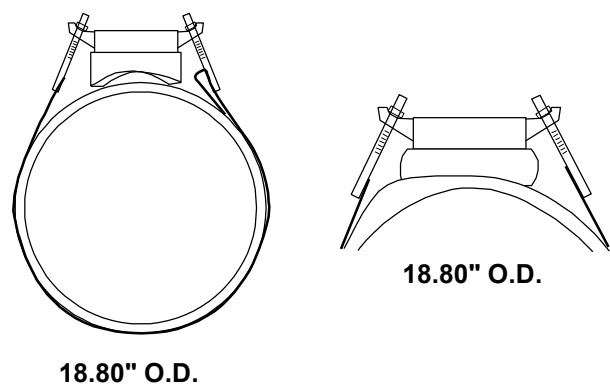
Ductile iron per ASTM 536, Grade 65-45-12. Protected with a yellow corrosion-resistant paint.

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.

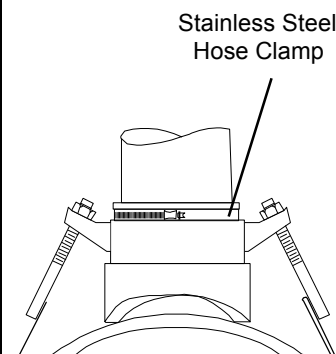
Washers: Stainless steel per ASTM A 240, type 304 and plastic lubricating washers.

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

