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102 GREENE ST REQUEST TO REPLACE CAST-IRON BULLET LIGHT STEPS WITH DIAMOND PLATE STEPS

REV. No.	DATE:	COMMENTS:
	9-9-25	ISSUED FOR REVIEW

ETNA CONSULTING
STRUCTURAL ENGINEERING, P.C.
28 WEST 27TH STREET
ROOM 405
NEW YORK, N.Y 10001
TEL: 212 967-7773
E-MAIL: AC@ETNANYC.COM

PROJ. TITLE

102 GREENE STREET
NEW YORK, NY

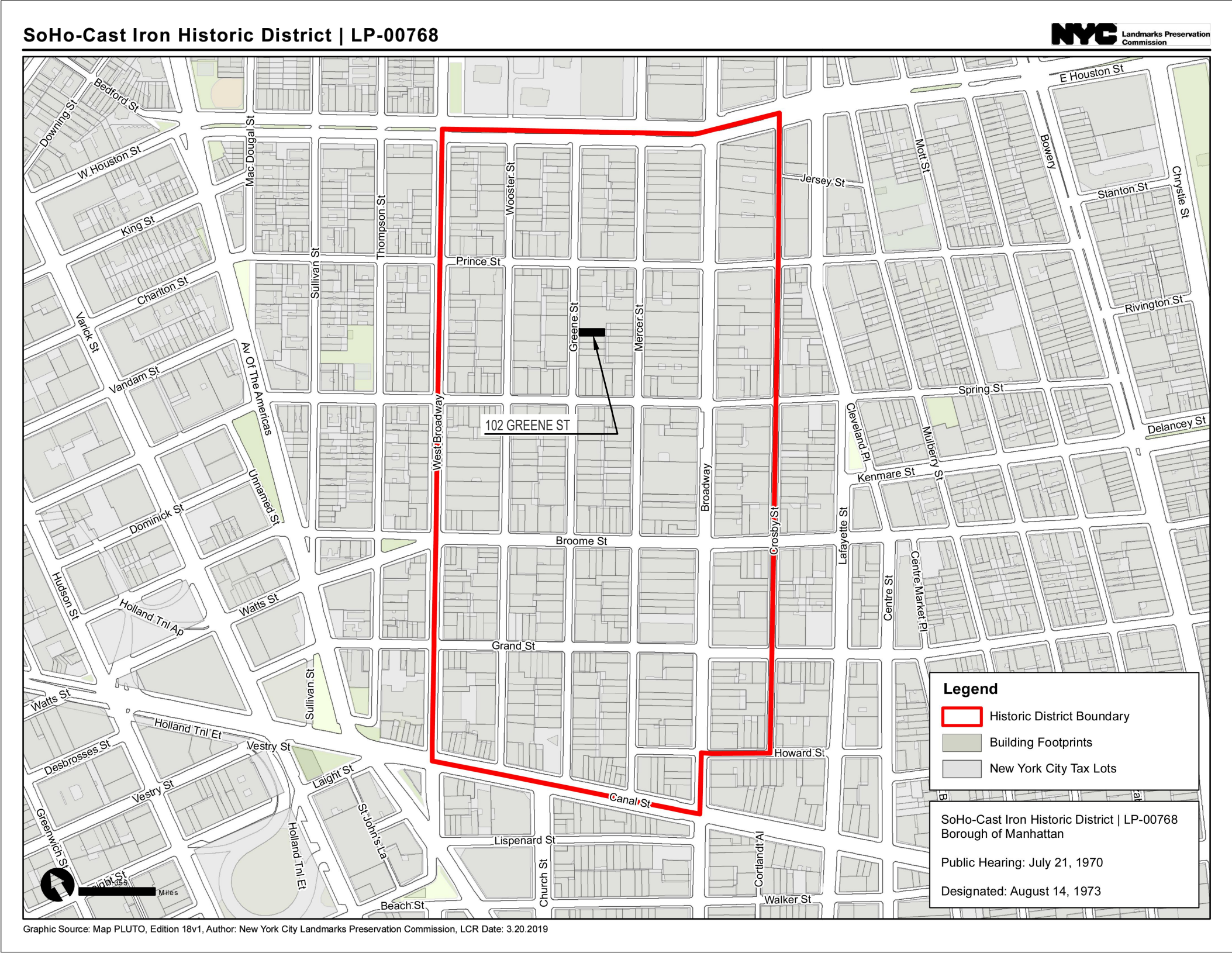
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INTRODUCTION

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SLIDE
1

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HISTORIC
DISTRICT MAP

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SLIDE
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HISTORIC PHOTOGRAPH



CURRENT PHOTOGRAPH

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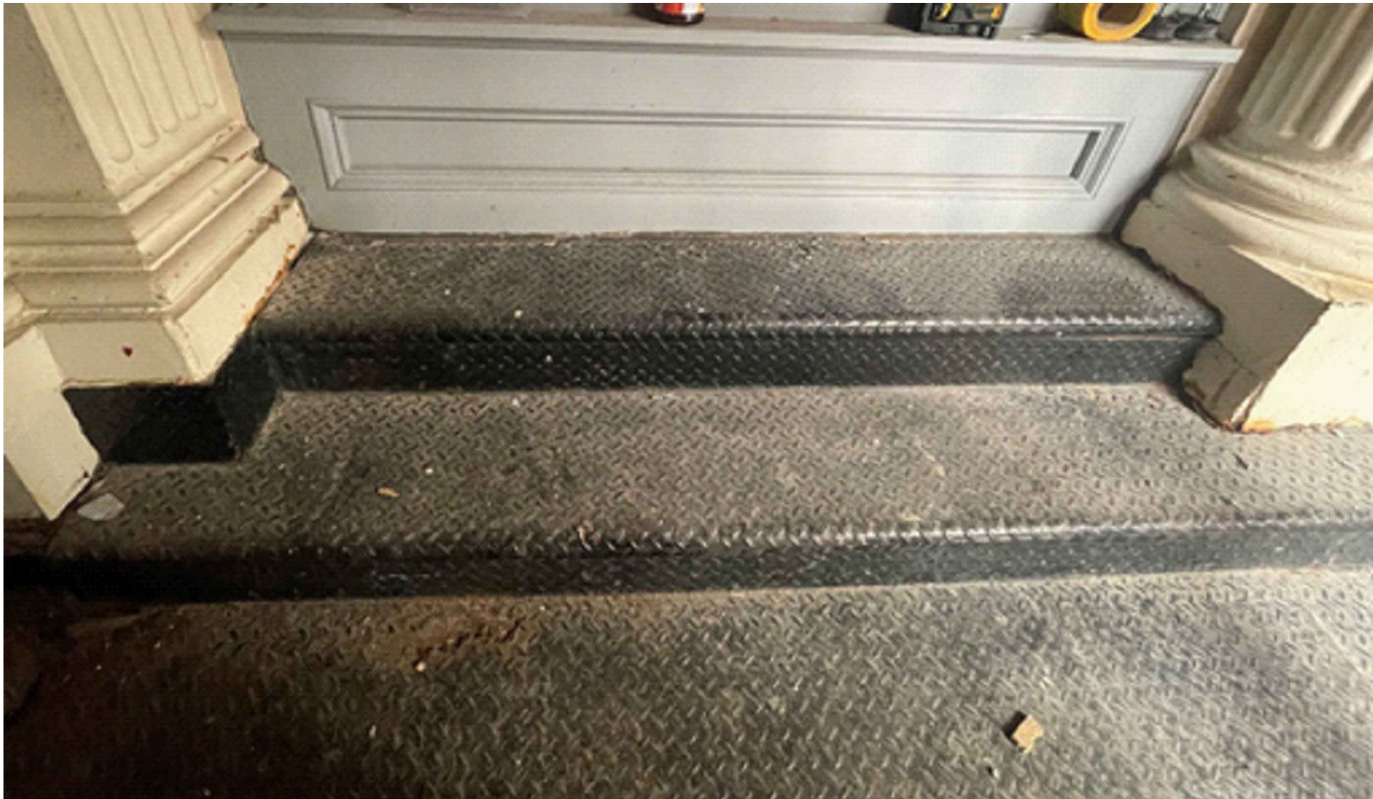
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102 GREENE STREET
NEW YORK, NY

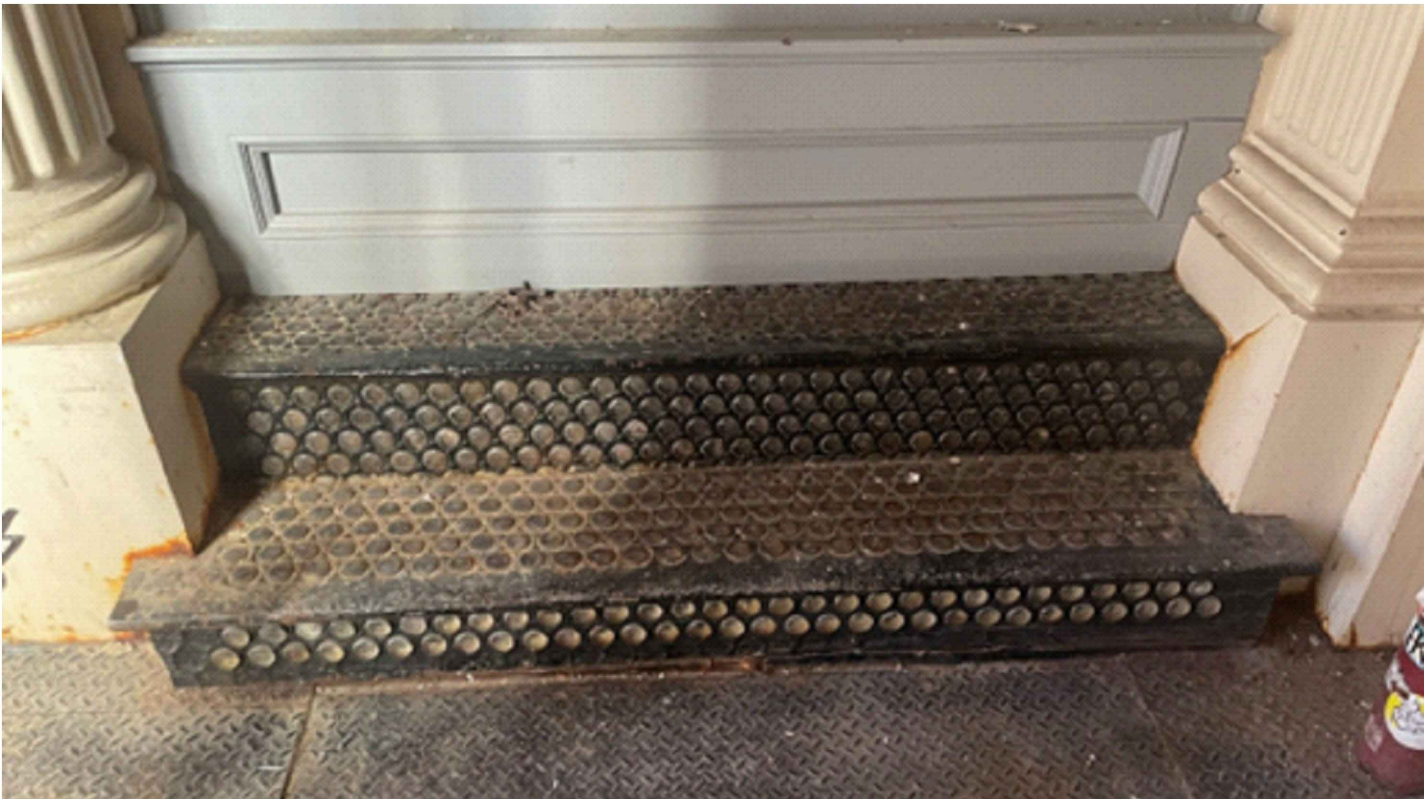
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HISTORIC
PHOTOGRAPHS

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NORTH STEPS (COVERED IN DIAMOND PLATE)



SOUTH STEPS (EXPOSED CAST-IRON)

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PRE-CONSTRUCTION
PHOTOGRAPHS

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NORTH STEPS (DAMAGE AS SEEN FROM BELOW)



SOUTH STEPS (DAMAGE AS SEEN FROM ABOVE)

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PIECES OF EXIST. CAST-IRON BULLET LIGHT STEPS TO BE REMOVED AND REINSTALLED WITH NEW GALV. STEEL BACK-UP FRAME. SEE DETAIL C.2 FOR ADDITIONAL INFORMATION.

GALVANIZED $\angle 1\frac{1}{2} \times 1\frac{1}{2} \times \frac{1}{8}$ " STEEL FRAME WITH FULLY WELDED SEAMS AT JOINTS

WATERPROOFING DETAILS AT EXIST. STOREFRONT T.B.D.

FIRST FLOOR

POUR STOP

NEW DOUBLE ANGLE

NEW W

NEW W10

NEW W10

EXIST. CAST-IRON COLUMN BEYOND

NEW 4" CONCRETE WEARING SURFACE W/ NEW DIAMOND PLATE

NEW DIAMOND PLATE

SEE SECTION F

SEE SECTION E

CRACKS IN EXISTING CAST-IRON, SHOWN SCHEMATICALLY. SEE NOTE BELOW

$\frac{3}{16}$ " ϕ ST. STL. MACHINE BOLTS. DRILL AND TAP INTO BACK OF EXIST. CAST-IRON AND SECURE PANELS TO ANGLES.

COTINUOUS HORIZONTAL GALVANIZED STEEL ANGLES BEHIND CAST-IRON

PIECES OF EXIST. CAST-IRON BULLET LIGHT STEPS TO BE FASTENED TO NEW GALVANIZED STEEL FRAME.

PROVIDE ADDITIONAL VERTICAL ANGLES AS REQUIRED TO ALLOW FOR BALANCED CONNECTION OF IRREGULAR PIECES. SEE NOTE BELOW.

PROPOSED CAST-IRON STEP FINISH SUPPORT DETAIL

SECTION

C.1
S-004

Scale: $\frac{3}{4}$ "=1'-0"

NEW CONDITION

NOTE: CONTRACTOR TO REMOVE AND CATALOGUE EXISITNG CAST-IRON PIECES FOR REINSTALLATION IN THE ORIGINAL CONFIGURATION. VERIFY IN FIELD LOCATION OF CRACKS IN CAST-IRON AND SUBMIT SHOP DRAWINGS OF STEEL BACK UP FRAME FOR ENGINEERS REVIEW AND APPROVAL.

DETAIL

Scale: N.T.S.

C.2

S-004

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LPC
APPROVED
DETAILS

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SLIDE
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NORTH STEPS



SOUTH STEPS

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DWG. TITLE

EXPOSED EXISTING
CONDITIONS
PHOTOGRAPHS

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EXPOSED EXISTING
CONDITIONS
PHOTOGRAPHS

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SLIDE
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NORTH STEPS



SOUTH STEPS

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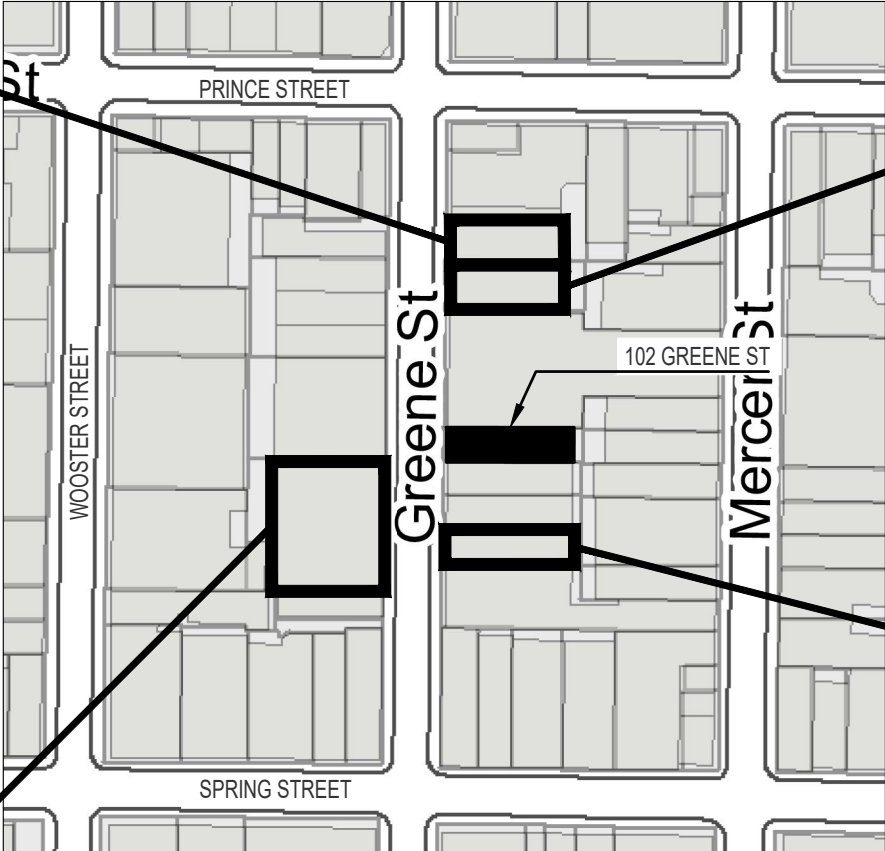
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114 GREENE ST



95 GREENE ST



112 GREENE ST



96 GREENE ST

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102 GREENE STREET
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SIMILAR INSTALLATIONS
IN THE AREA

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SLIDE
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