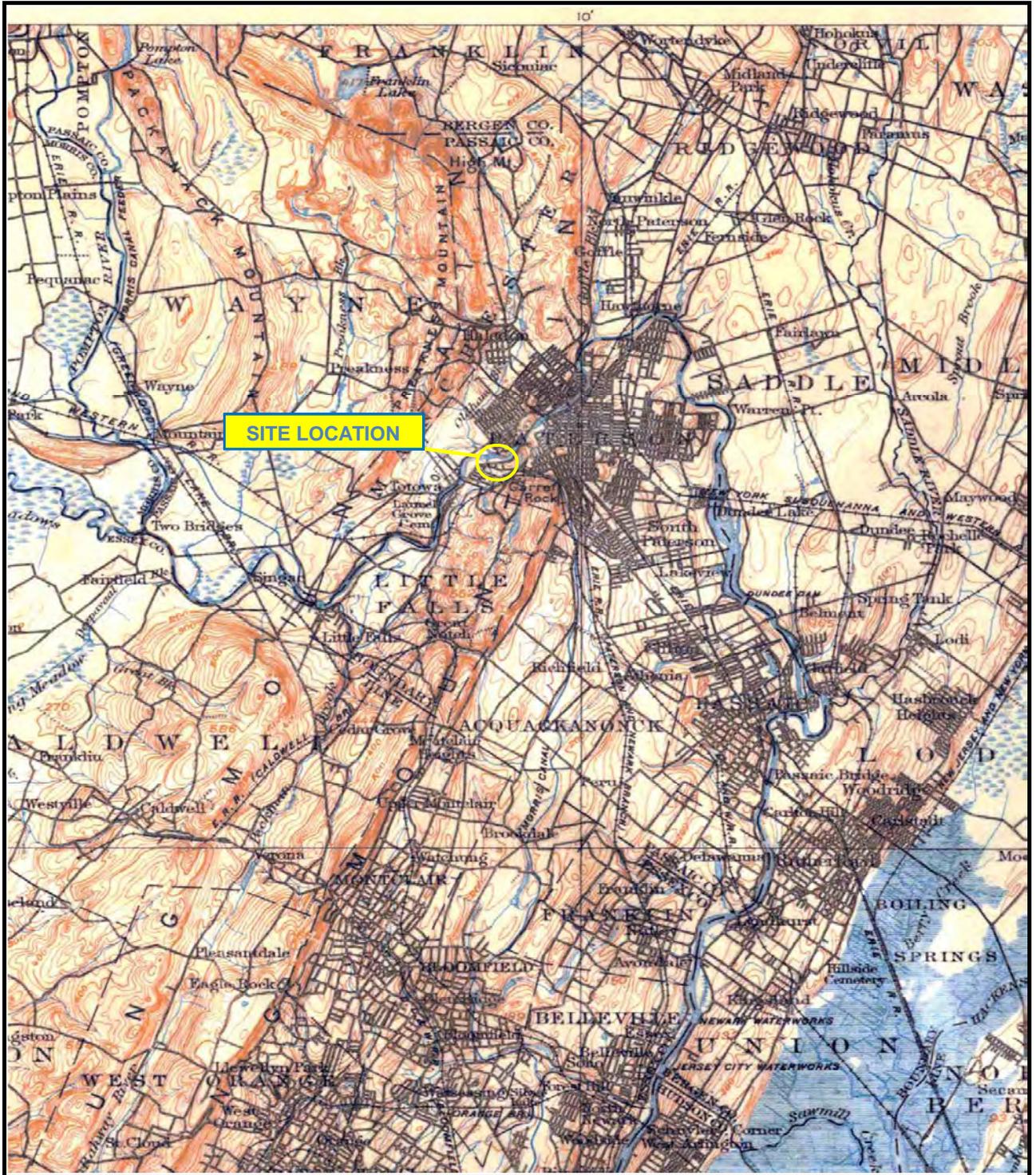
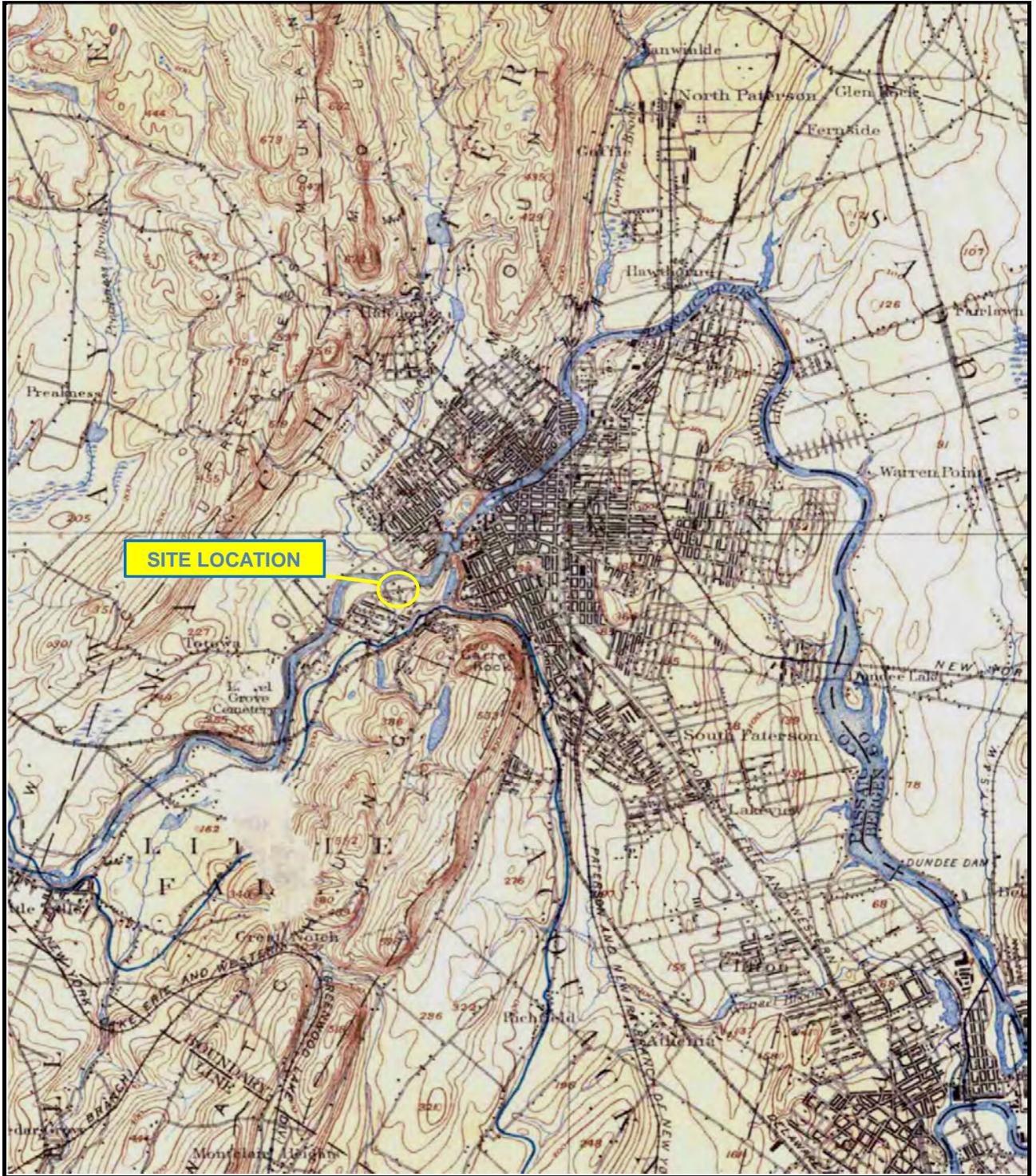


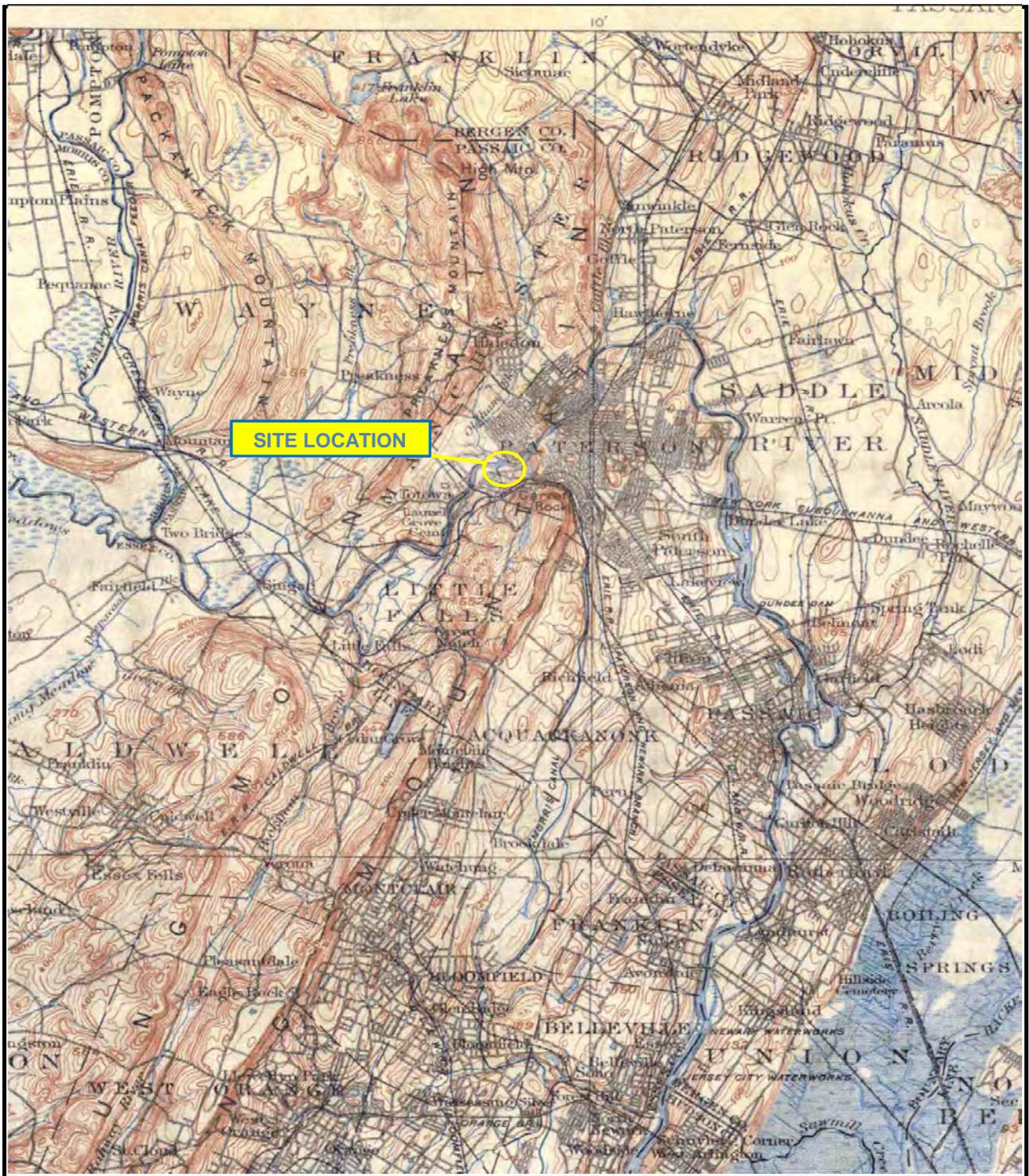
APPENDIX E
Historic Topographic Maps



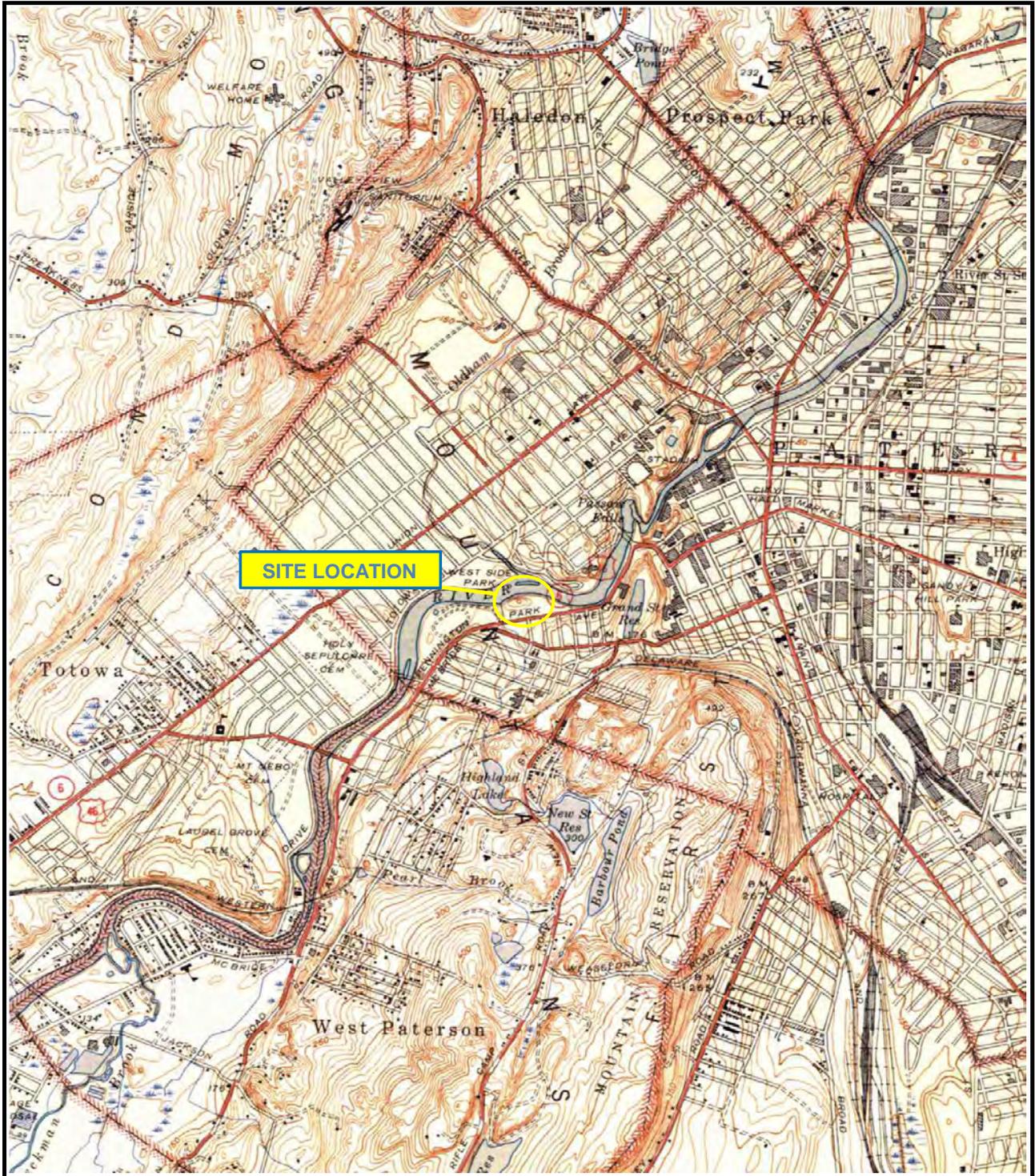
<p>SOURCE: EDR HISTORIC USGS TOPOGRAPHIC MAPS PRINT SERVICE YEAR: 1900</p>	<p>NEW ENGINE COMPANY NO. 7 290 - 296 McBRIDE AVENUE CITY OF PATERSON</p>	
	<p>PASSAIC COUNTY</p>	<p>NEW JERSEY</p>
	<p>BOSWELL ENGINEERING 330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606</p>	
	<p>DR. BY: CJC</p>	<p>SCALE: NTS</p>
<p>CKD. BY: CEA</p>	<p>DATE: JAN. 2011</p>	<p>USGS - 1</p>



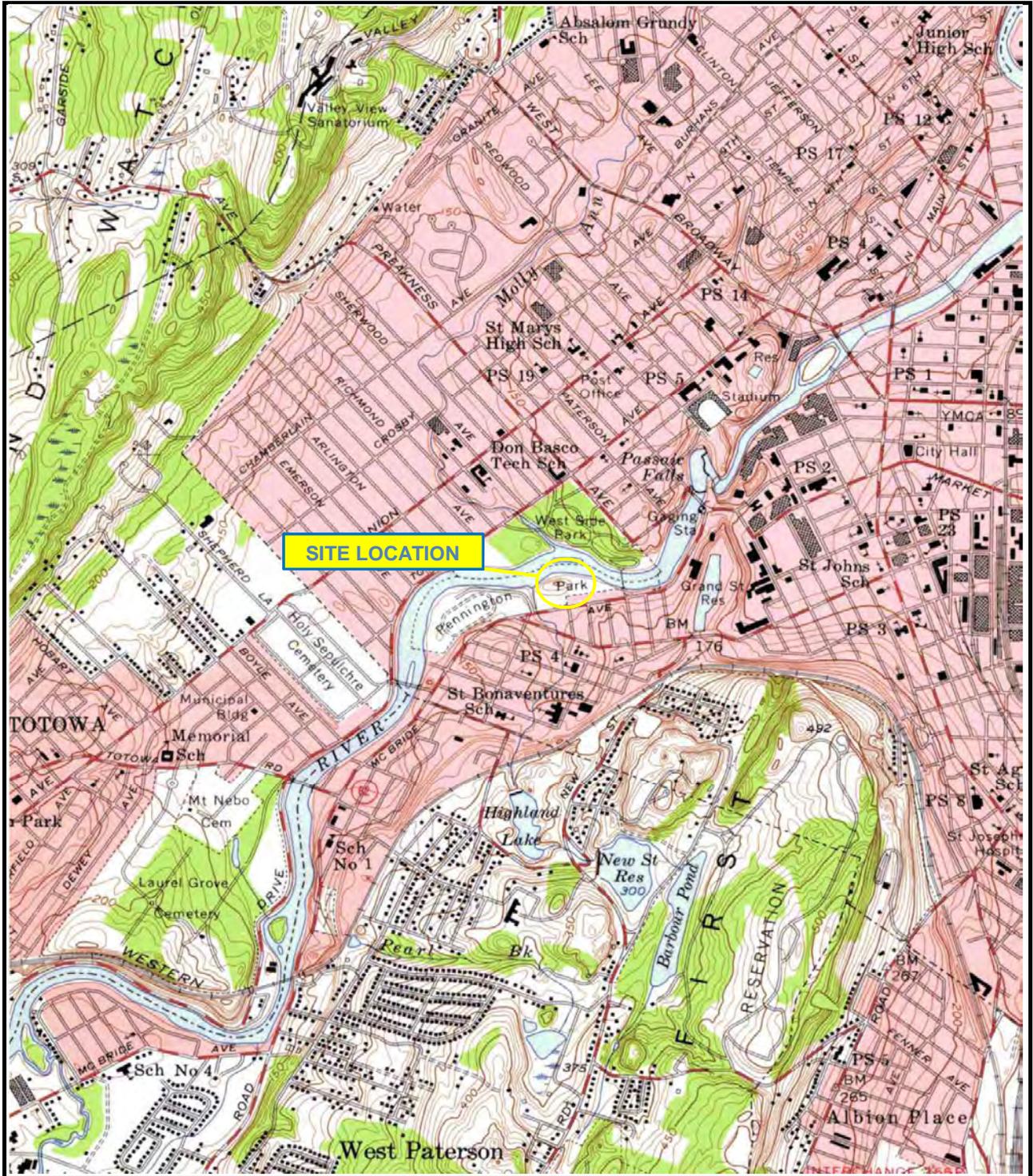
SOURCE: EDR HISTORIC USGS TOPOGRAPHIC MAPS PRINT SERVICE YEAR: 1903	NEW ENGINE COMPANY NO. 7 290 - 296 McBRIDE AVENUE CITY OF PATERSON		
	PASSAIC COUNTY		NEW JERSEY
	BOSWELL ENGINEERING 330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606		
	DR. BY: CJC CKD. BY: CEA	SCALE: NTS DATE: JAN. 2011	JOB NO. 10-181 USGS - 2



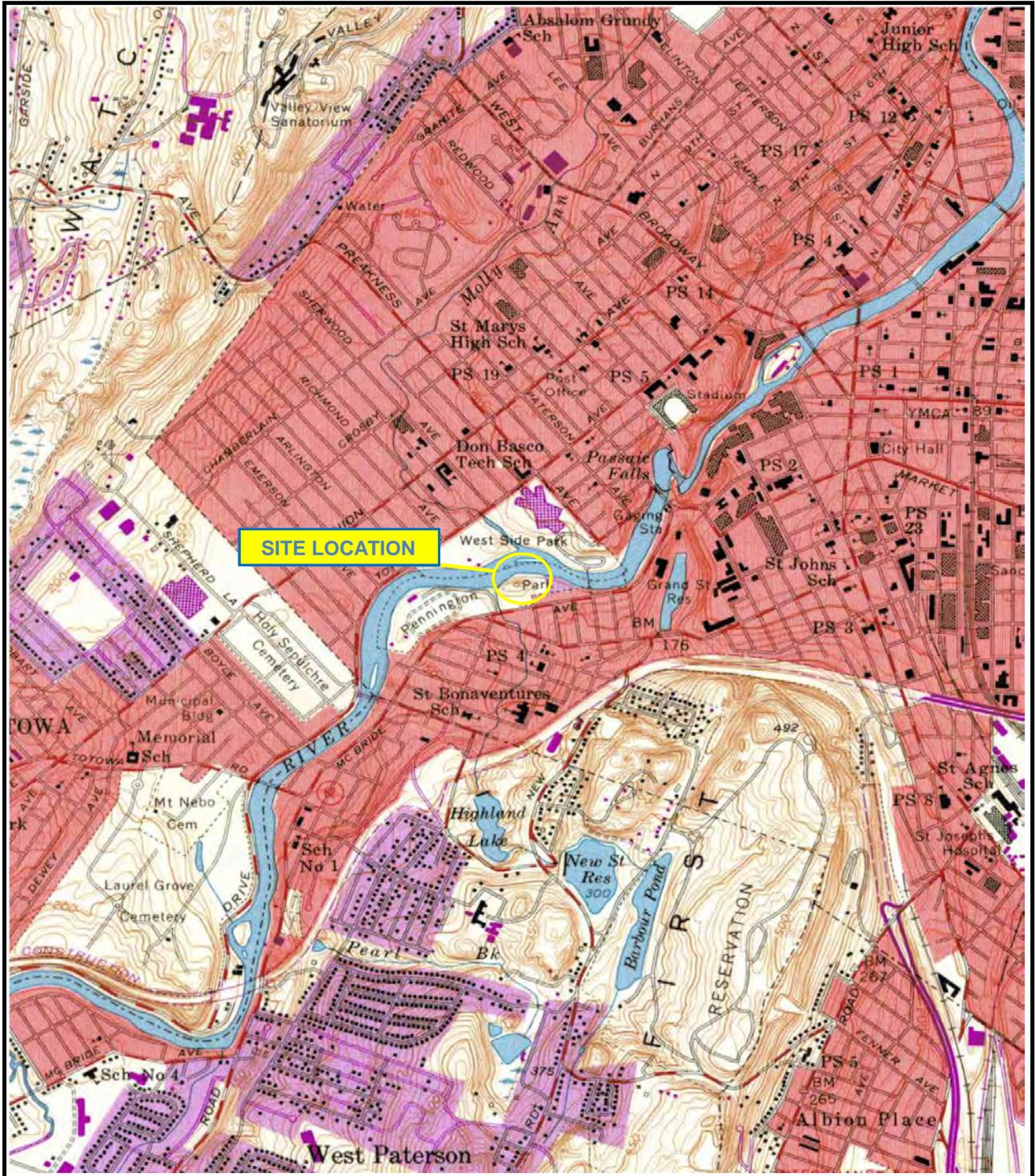
SOURCE: EDR HISTORIC USGS TOPOGRAPHIC MAPS PRINT SERVICE YEAR: 1905	NEW ENGINE COMPANY NO. 7 290 - 296 McBRIDE AVENUE CITY OF PATERSON		
	PASSAIC COUNTY		NEW JERSEY
	BOSWELL ENGINEERING 330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606		
	DR. BY: CJC CKD. BY: CEA	SCALE: NTS DATE: JAN. 2011	JOB NO. 10-181 USGS - 3



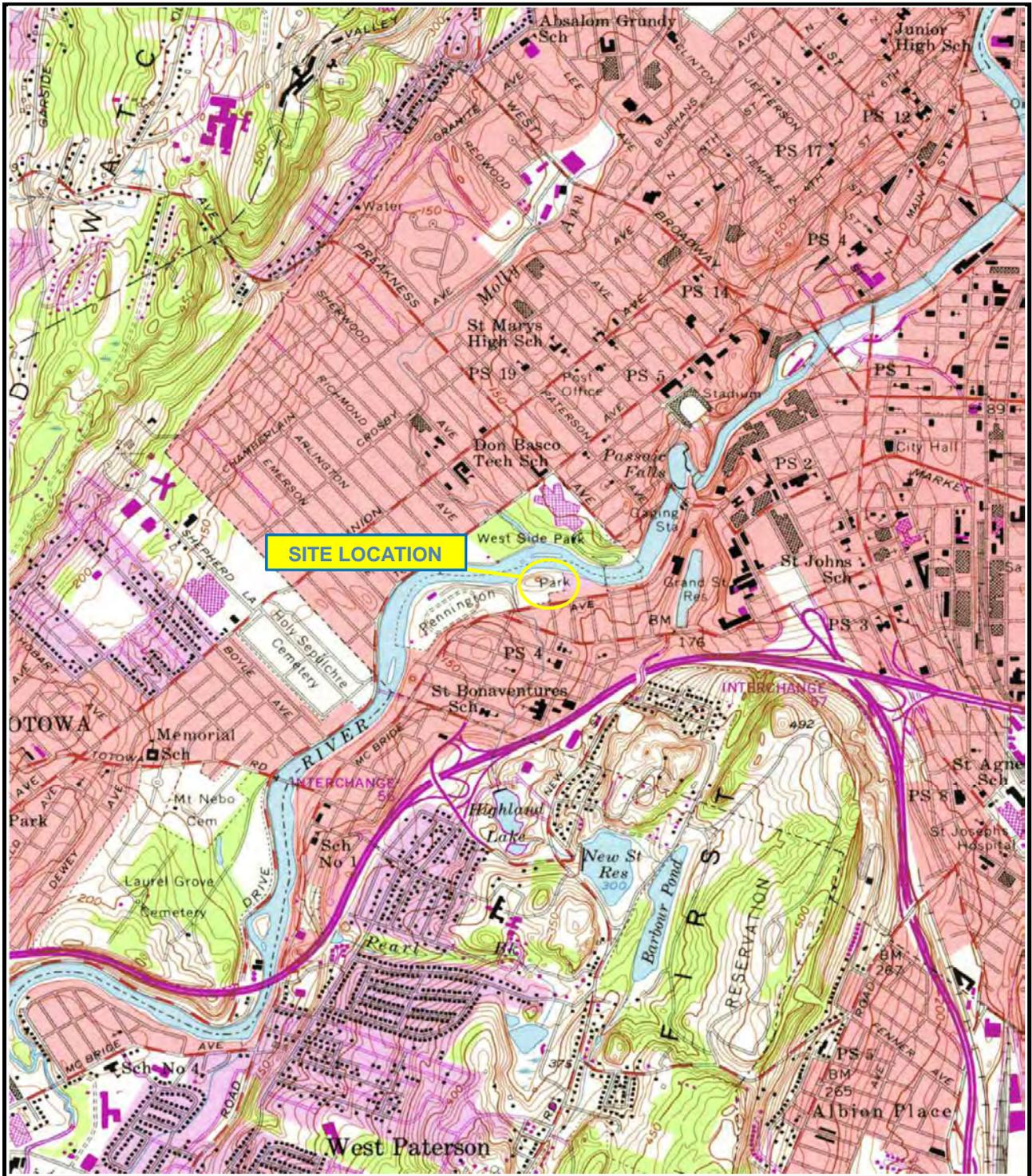
SOURCE: EDR HISTORIC USGS TOPOGRAPHIC MAPS PRINT SERVICE YEAR: 1944	NEW ENGINE COMPANY NO. 7 290 - 296 McBRIDE AVENUE CITY OF PATERSON	
	PASSAIC COUNTY	NEW JERSEY
	BOSWELL ENGINEERING 330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606	
DR. BY: CJC	SCALE: NTS	JOB NO. 10-181
CKD. BY: CEA	DATE: JAN. 2011	USGS - 4



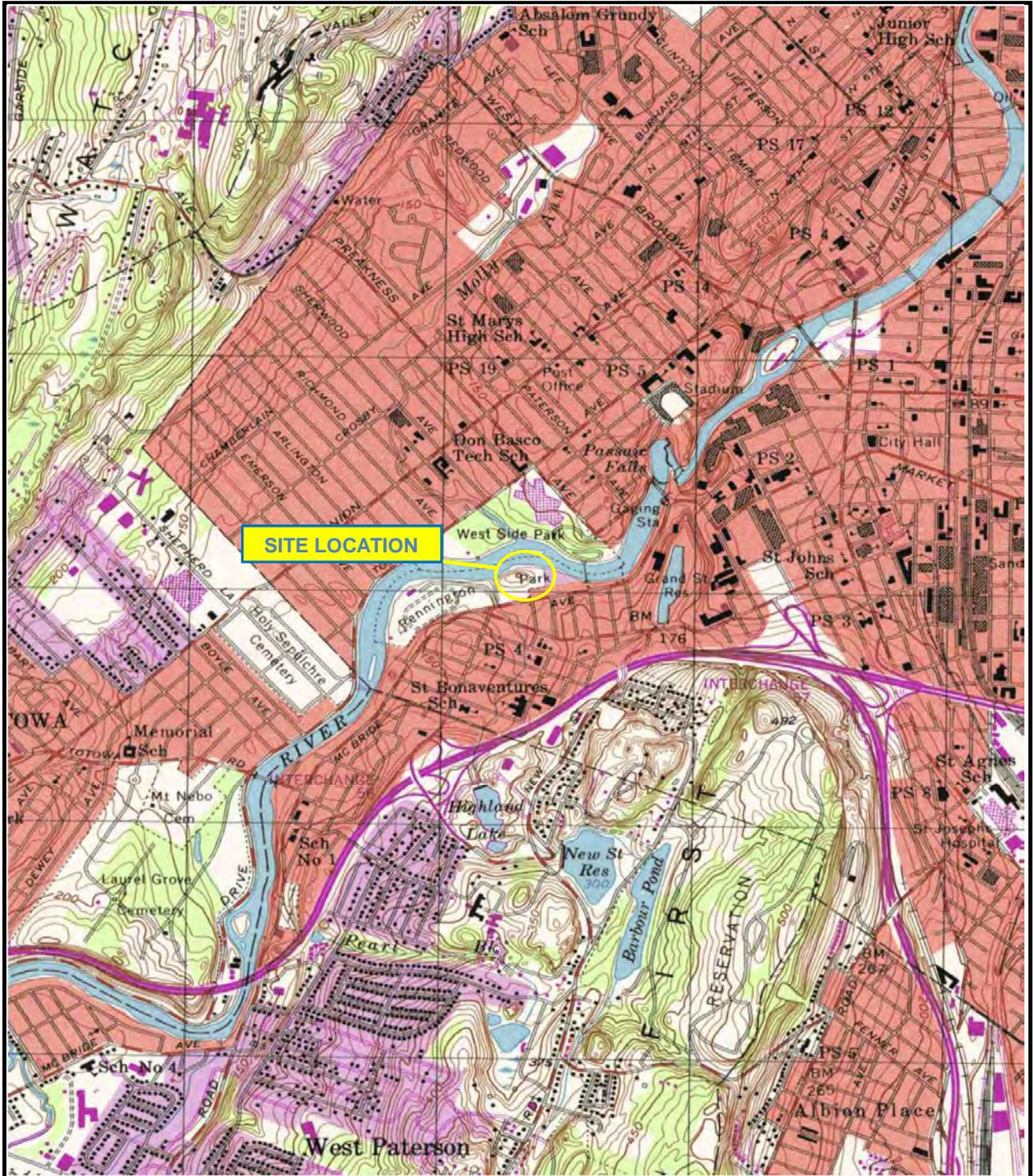
SOURCE: EDR HISTORIC USGS TOPOGRAPHIC MAPS PRINT SERVICE YEAR: 1955	NEW ENGINE COMPANY NO. 7 290 - 296 McBRIDE AVENUE CITY OF PATERSON		
	PASSAIC COUNTY		NEW JERSEY
	BOSWELL ENGINEERING 330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606		
	DR. BY: CJC CKD. BY: CEA	SCALE: NTS DATE: JAN. 2011	JOB NO. 10-181 USGS - 5



SOURCE: EDR HISTORIC USGS TOPOGRAPHIC MAPS PRINT SERVICE YEAR: 1970	NEW ENGINE COMPANY NO. 7 290 - 296 McBRIDE AVENUE CITY OF PATERSON		
	PASSAIC COUNTY		NEW JERSEY
	BOSWELL ENGINEERING 330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606		
	DR. BY: CJC CKD. BY: CEA	SCALE: NTS DATE: JAN. 2011	JOB NO. 10-181 USGS - 6



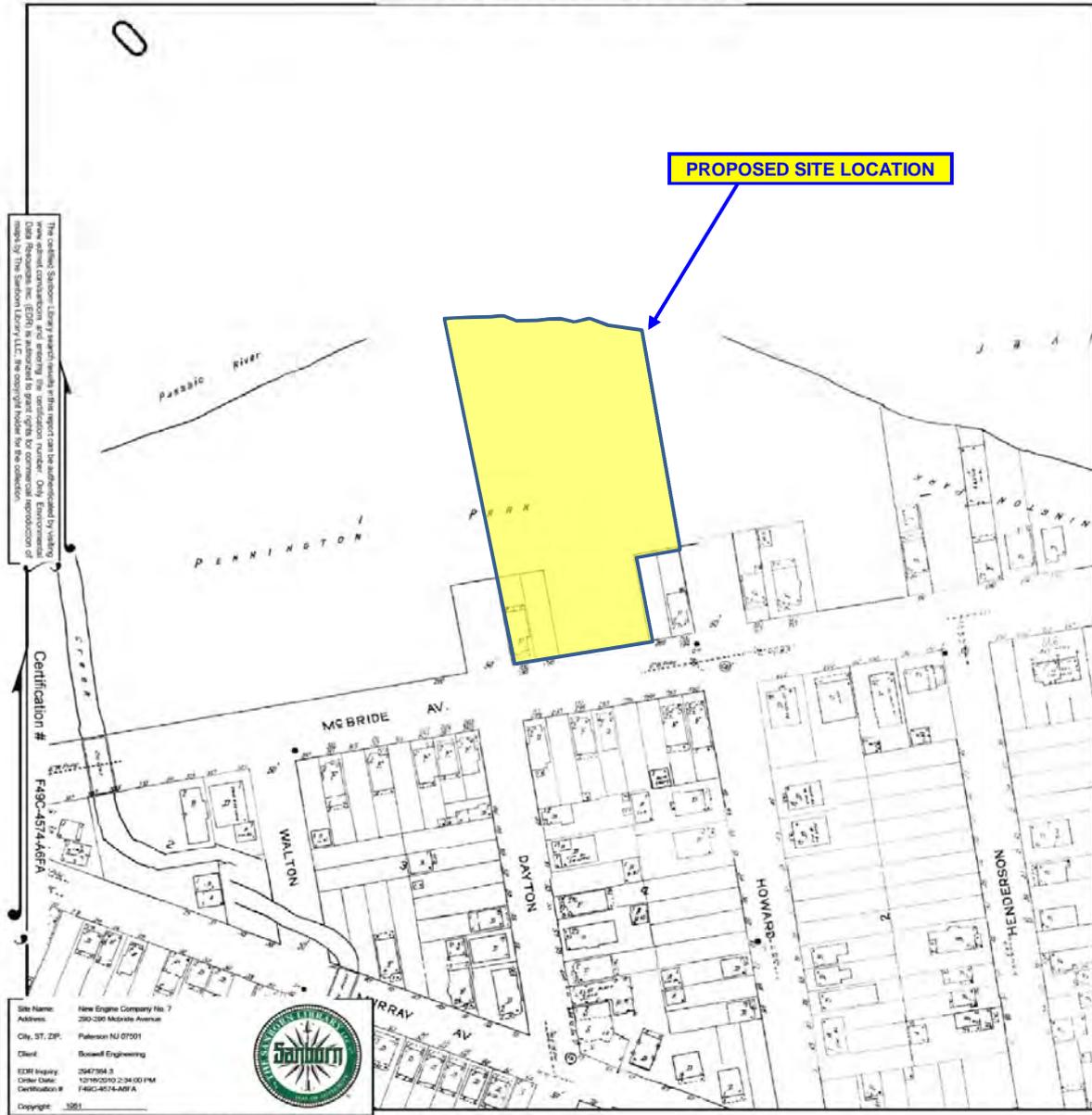
SOURCE: EDR HISTORIC USGS TOPOGRAPHIC MAPS PRINT SERVICE YEAR: 1981	NEW ENGINE COMPANY NO. 7 290 - 296 McBRIDE AVENUE CITY OF PATERSON		
	PASSAIC COUNTY		NEW JERSEY
	BOSWELL ENGINEERING 330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606		
	DR. BY: CJC	SCALE: NTS	JOB NO. 10-181
CKD. BY: CEA	DATE: JAN. 2011	USGS - 7	



SOURCE: EDR HISTORIC USGS TOPOGRAPHIC MAPS PRINT SERVICE YEAR: 1995	NEW ENGINE COMPANY NO. 7		
	290 - 296 McBRIDE AVENUE CITY OF PATERSON		
	PASSAIC COUNTY		NEW JERSEY
	BOSWELL ENGINEERING		
	330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606		
	DR. BY: CJC	SCALE: NTS	JOB NO. 10-181
	CKD. BY: CEA	DATE: JAN. 2011	USGS - 8

APPENDIX F
Sanborn Fire Insurance Maps

1951 Certified Sanborn Map

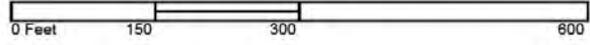


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 view online consultation and entering the certification number. Only Environmental
 Data Resources Inc. (EDRI) is authorized to grant rights for commercial reproduction of
 maps by The Sanborn Library LLC. The owner of the map is the user.

Site Name: New Engine Company No. 7
 Address: 290-296 McBride Avenue
 City, ST, ZIP: Paterson NJ 07501
 Client: Boswell Engineering
 EDRI Inquiry: 2547398.3
 Order Date: 12/19/2010 2:34:00 PM
 Certification #: F49C-4574-MFA
 Copyright: 1951



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 203
 Volume 3, Sheet 207



SOURCE: 1951 SANBORN FIRE INSURANCE MAP

PROPOSED SITE:

BLOCK 5004
 LOT 14, PORTION OF LOT 2

NEW ENGINE COMPANY NO. 7

290 - 296 McBRIDE AVENUE
 CITY OF PATERSON

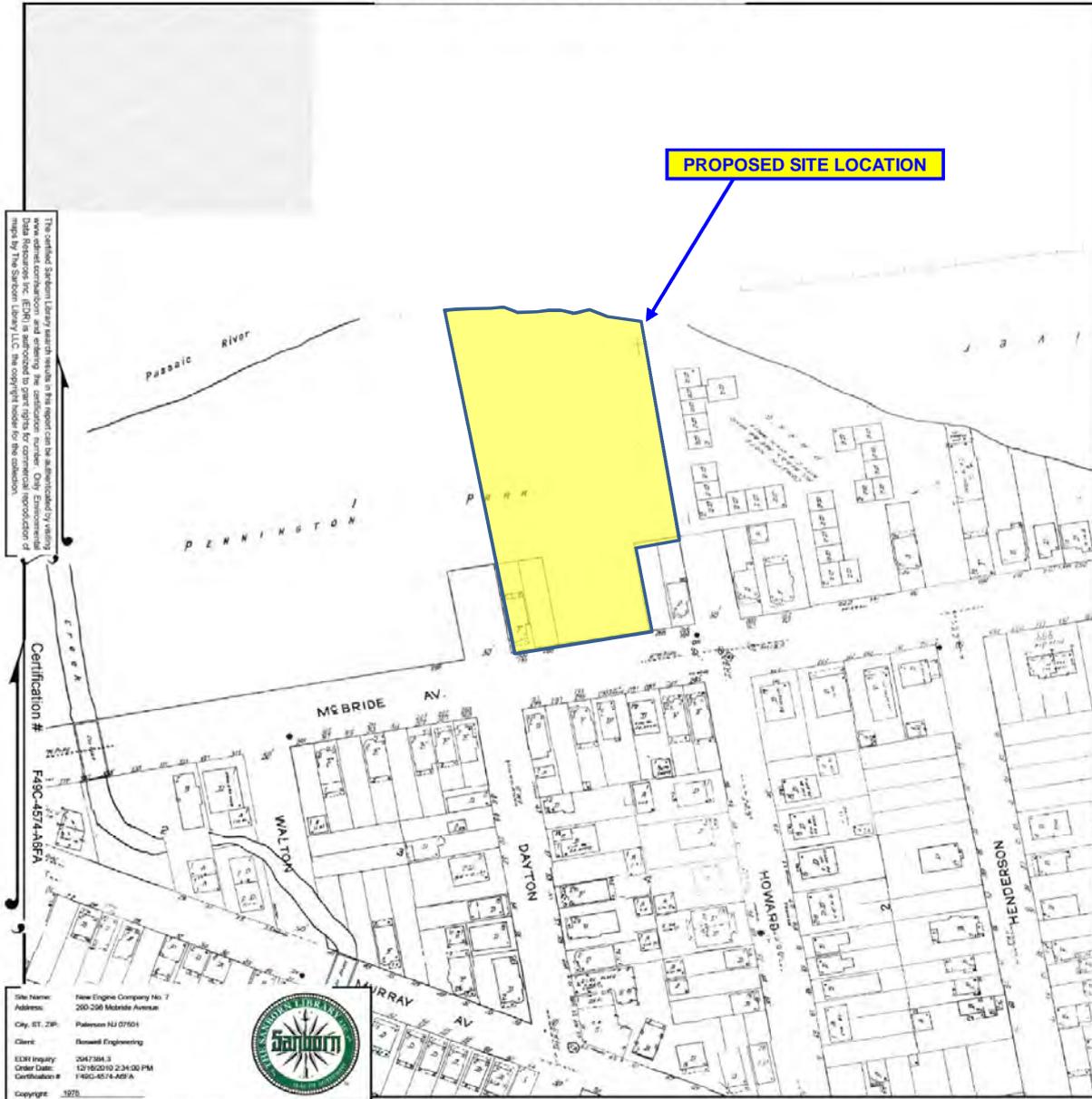
PASSAIC COUNTY NEW JERSEY

BOSWELL ENGINEERING

330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606

DR. BY: CJC	SCALE: AS SHOWN	JOB NO. 10-181
CKD. BY:CEA	DATE: JAN. 2011	1951 SANBORN

1975 Certified Sanborn Map

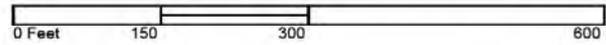


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 www.edi.com/edimaps and entering the certificate number. Only Environmental
 maps are eligible for this service. The EDI is subject to periodic reproduction
 maps by The Sanborn Library LLC. The EDI is not a warranty for the customer.

Site Name: New Engine Company No. 7
 Address: 290-296 McBride Avenue
 City, ST, ZIP: Paterson NJ 07651
 Client: Boswell Engineering
 EDI Inquiry: 2947384.3
 Order Date: 12/18/2010 2:34:00 PM
 Certification #: F49C-4574-A8FA
 Copyright: 1975



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 203
 Volume 3, Sheet 207

SOURCE: 1975 SANBORN FIRE INSURANCE MAP

PROPOSED SITE:

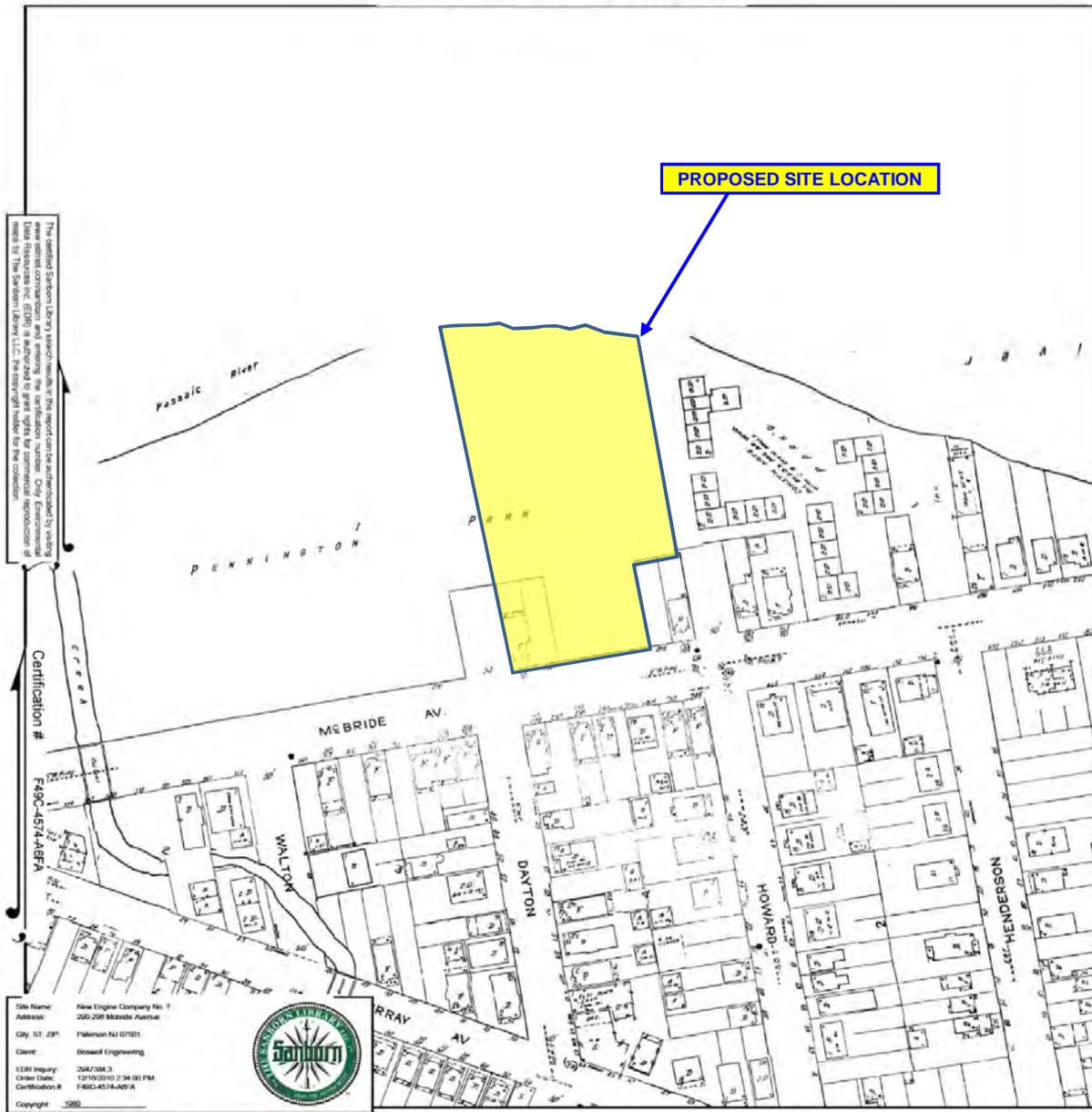
BLOCK 5004
 LOT 14, PORTION OF LOT 2

NEW ENGINE COMPANY NO. 7
 290 - 296 McBRIDE AVENUE
 CITY OF PATERSON
 PASSAIC COUNTY NEW JERSEY

BOSWELL ENGINEERING
 330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606

DR. BY: CJC	SCALE: AS SHOWN	JOB NO. 10-181
CKD. BY:CEA	DATE: JAN. 2011	1975 SANBORN

1980 Certified Sanborn Map

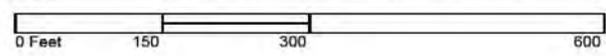


The Certified Sanborn Library search results in this report can be authenticated by visiting the State Historical Library of Pennsylvania. EDRS is authorized to grant rights for commercial reproduction of maps by The Southern Library LLC. The copyright holder for this collection.

Site Name: New Engine Company No. 7
 Address: 290-296 McBride Avenue
 City, St, Zip: Paterson NJ 07651
 Client: Boswell Engineering
 EDRS Inquiry: 2/6/2013
 Order Date: 12/10/2010 2:34:00 PM
 Certification #: F49C-4574-AND A
 Copyright: 1980



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 203
 Volume 3, Sheet 207

SOURCE: 1980 SANBORN FIRE INSURANCE MAP

PROPOSED SITE:

BLOCK 5004
 LOT 14, PORTION OF LOT 2

NEW ENGINE COMPANY NO. 7

290 - 296 McBRIDE AVENUE
 CITY OF PATERSON

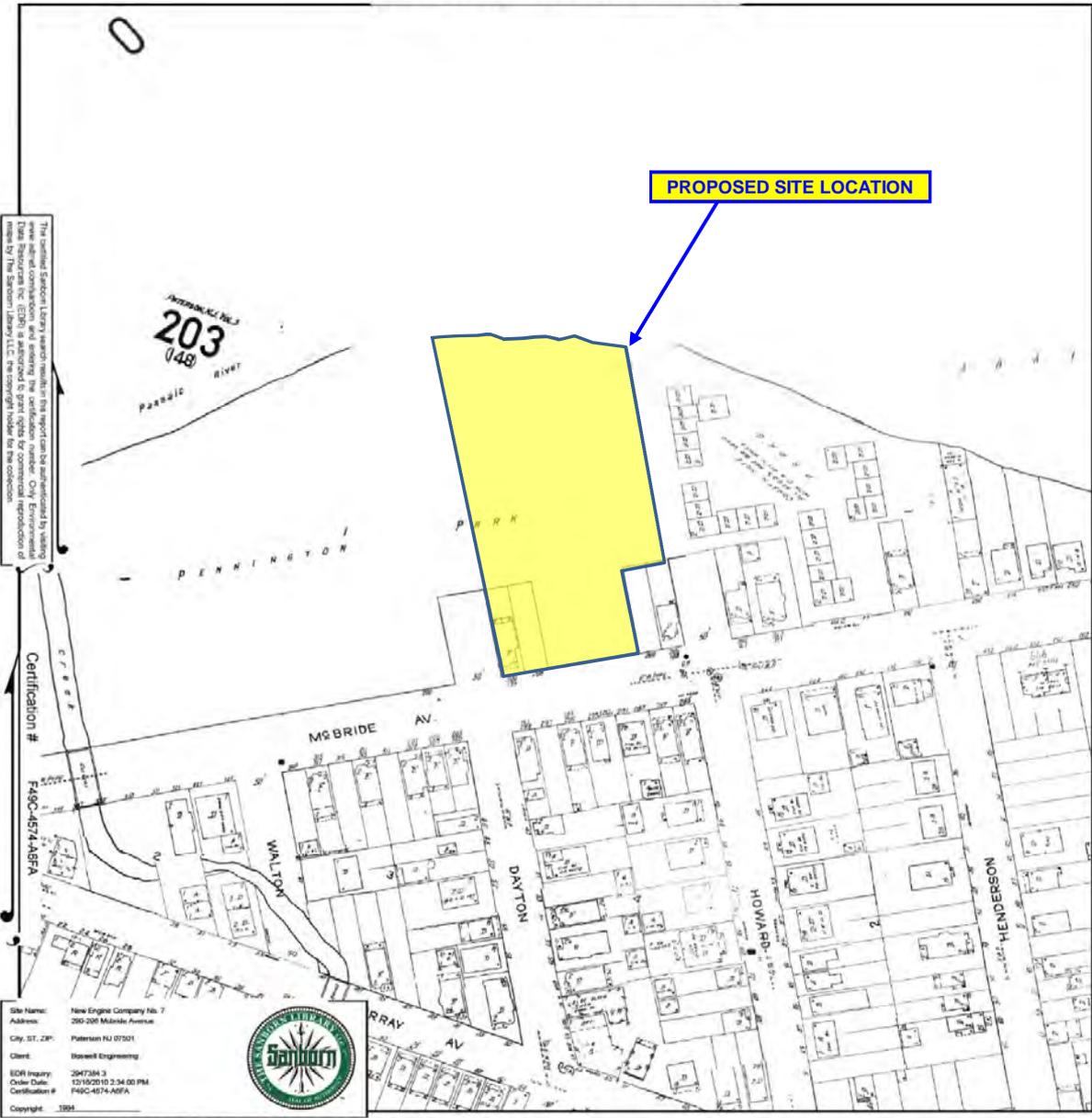
PASSAIC COUNTY NEW JERSEY

BOSWELL ENGINEERING

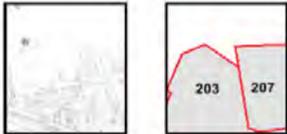
330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606

DR. BY: CJC	SCALE: AS SHOWN	JOB NO. 10-181
CKD. BY:CEA	DATE: JAN. 2011	1980 SANBORN

1984 Certified Sanborn Map



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 203
Volume 3, Sheet 207

SOURCE: 1984 SANBORN FIRE INSURANCE MAP

PROPOSED SITE:

BLOCK 5004
LOT 14, PORTION OF LOT 2

NEW ENGINE COMPANY NO. 7

290 - 296 McBRIDE AVENUE
CITY OF PATERSON

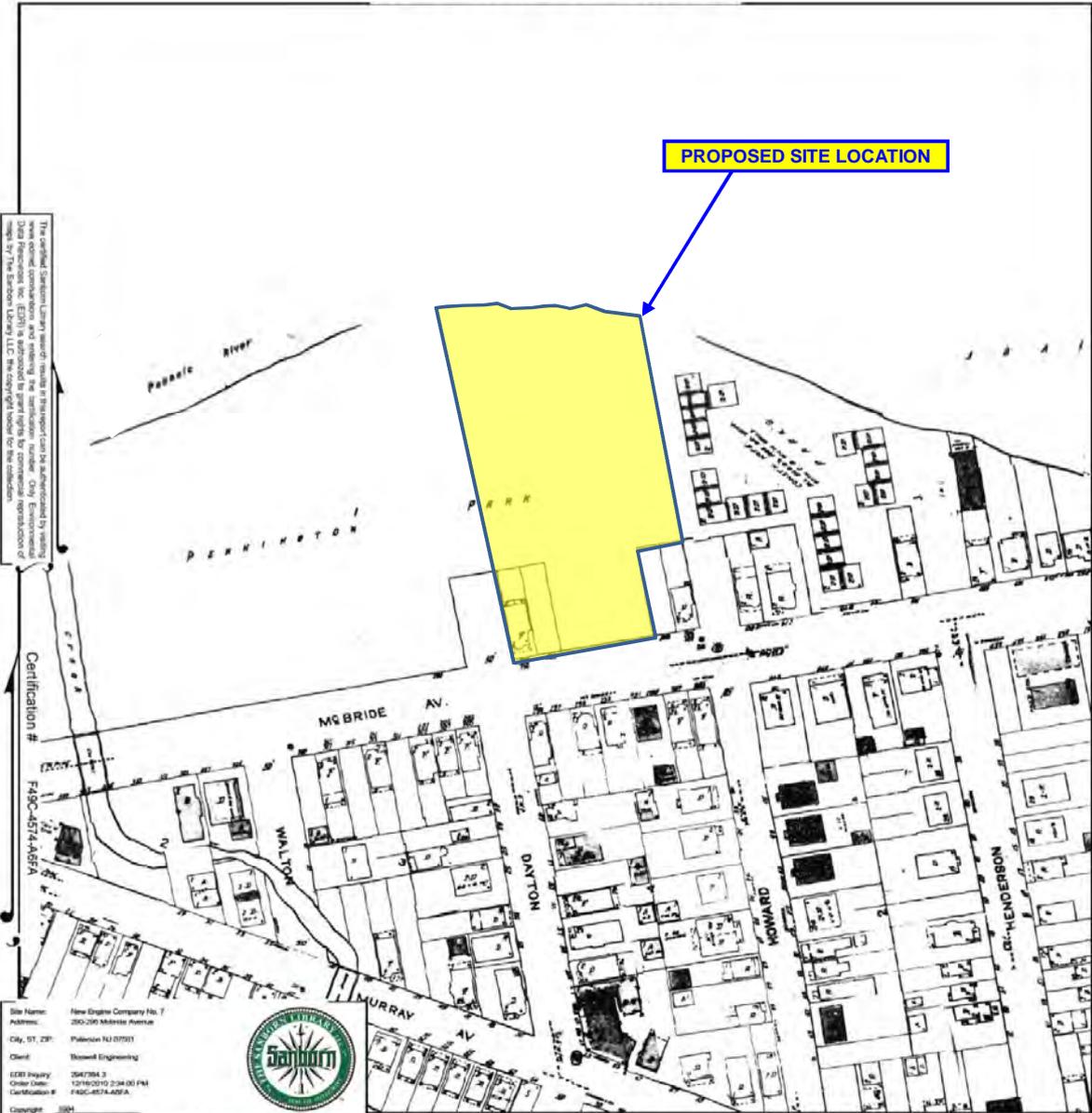
PASSAIC COUNTY NEW JERSEY

BOSWELL ENGINEERING

330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606

DR. BY: CJC	SCALE: AS SHOWN	JOB NO. 10-181
CKD. BY:CEA	DATE: JAN. 2011	1984 SANBORN

1994 Certified Sanborn Map

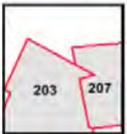


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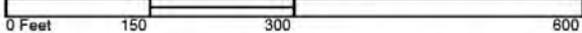
Site Name: New Engine Company No. 7
 Address: 290-296 McBride Avenue
 City, ST, ZIP: Paterson NJ 07651
 Client: Boswell Engineering
 EIR# Inquiry: 2947384-3
 Order Date: 12/16/2010 2:34:00 PM
 Certification #: FISC-4574-ABFA
 Copyright: 2011



This Certified Sanborn Map combines the following sheets.
 Outlined areas indicate map sheets within the collection.



Volume 3, Sheet 203
 Volume 3, Sheet 207



SOURCE: 1994 SANBORN FIRE INSURANCE MAP

PROPOSED SITE:

BLOCK 5004
 LOT 14, PORTION OF LOT 2

NEW ENGINE COMPANY NO. 7

290 - 296 McBRIDE AVENUE
 CITY OF PATERSON

PASSAIC COUNTY NEW JERSEY

BOSWELL ENGINEERING

330 PHILLIPS AVE., SOUTH HACKENSACK, N.J. 07606

DR. BY: CJC

SCALE: AS SHOWN

JOB NO. 10-181

CKD. BY:CEA

DATE: JAN. 2011

1994 SANBORN

APPENDIX G
GIS Parcel Map of Existing Station



SOURCE: NJDEP ORTHOPHOTOGRAPHY, 2006

PASSAIC COUNTY DEPARTMENT
OF PLANNING PARCEL DATA, 2009

NJDOT BUREAU OF TRANSPORTATION
DATA DEVELOPMENT, 2008

SITE BOUNDARY

4806 BLOCK NUMBER

16 LOT NUMBER

NEW ENGINE COMPANY NO. 7

TAX MAP AERIAL PHOTOGRAPH OF CURRENT SITE
95-97 GRAND STREET
CITY OF PATERSON

PASSAIC COUNTY

NEW JERSEY

BOSWELL ENGINEERING

330 PHILLIPS AVENUE, SOUTH HACKENSACK, NJ 07606

DR. BY: CJC
CKD. BY: CEA

SCALE: 1" = 50'
DATE: DEC. 2010

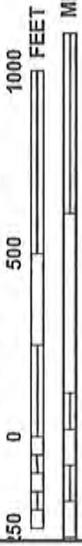
JOB NO. 10-181
FIGURE TAX AERIAL

APPENDIX H

National Flood Insurance Program Flood Insurance Rate Map and Eight Step Planning Process and Analysis for Critical Action Facility



MAP SCALE 1" = 500'



NFIP NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0212F

FIRM FLOOD INSURANCE RATE MAP PASSAIC COUNTY, NEW JERSEY (ALL JURISDICTIONS)

PANEL 212 OF 278

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
HALEDON, BOROUGH OF	340369	0212	F
PATERSON, CITY OF	340404	0212	F
WALTON, BOROUGH OF	340507	0212	F
WYCK, TOWNSHIP OF	340507	0212	F
WEST PATERSON, BOROUGH OF	340412	0212	F

Notice to User: The Map Number shown below should be used when placing map orders; the Community Number shown above should be used on insurance applications for the subject community.

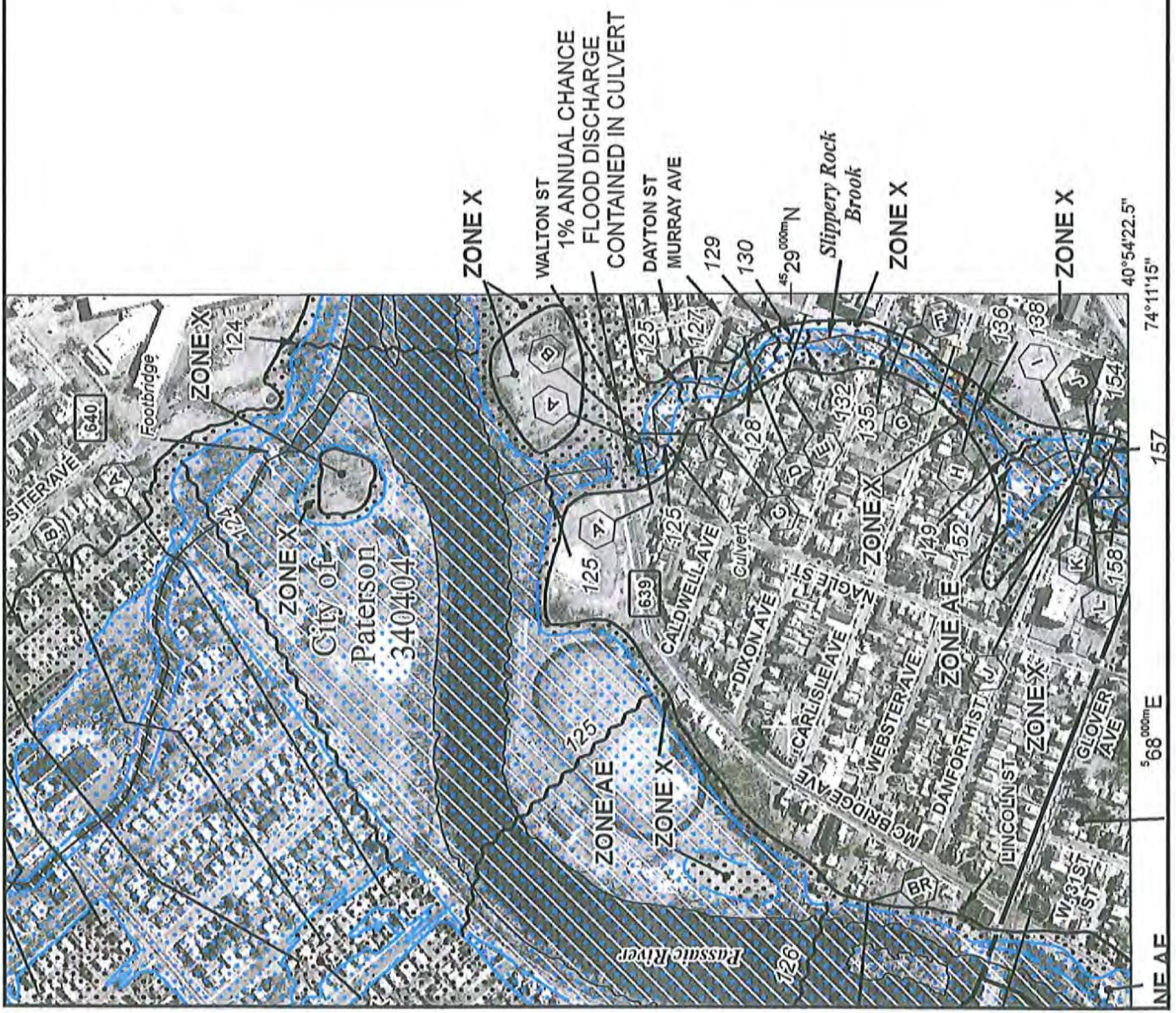


MAP NUMBER
34031C0212F

EFFECTIVE DATE
SEPTEMBER 28, 2007

Federal Emergency Management Agency

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov



NE AE 568^{000m}E 157 74°11'15" 40°54'22.5"

Appendix H

Eight Step Planning Process and Analysis for Critical Action Facilities

<p>Step 1: Based on FEMA FIRM and National Wetlands Inventory Maps, determine if the critical action facility is located within a 500 year floodplain, 100 year floodplain, and/or wetland area.</p>	<p>Project Analysis: The Flood Insurance Rate Map number 34031C0212F, Panel 0212F, in Passaic County, New Jersey has located a portion of the proposed site within the 500 year floodplain, triggering the Eight Step Process for Critical Action Facilities. However, based on the National Wetland Inventory data, the proposed site is not located on or adjacent to wetlands.</p>
<p>Step 2: Notification of the public at the earliest time of the intent to carry out an action in a floodplain or wetland, and involve the public in the decision making process.</p>	<p>Project Analysis: The City of Paterson Fire Department will publish a notice in a newspaper informing the public that a draft EA of the proposed action is available for a 15 day review period.</p>
<p>Step 3: Identify and evaluate practicable alternatives to locating the Proposed action in a floodplain or wetland.</p>	<p>Project Analysis: Three (3) alternatives were evaluated in this EA:</p> <p><i>Alternative 1:</i> No Action.</p> <p><i>Alternative 2:</i> Reconstruction of the Grand Street Fire House.</p> <ul style="list-style-type: none">• Under this alternative, the existing firehouse located outside of wetlands and 500 year floodplain would be renovated to address the multiple safety, health, fire safety, and structural deficiencies.• This alternative was dismissed due to the substantial cost required to renovate a historic structure and the size of the firehouse would not be able to be increased to accommodate the needs of the fire department service area.

<p><u>Step 3 (Continued):</u></p>	<p><u>Project Analysis (Continued):</u></p> <p><i>Alternative 3: Construction of New Engine Company No. 7 on McBride Avenue (Proposed Action).</i></p> <ul style="list-style-type: none"> • In this alternative the proposed is site partially located within the 500 year floodplain. This site was selected since it best meets the needs of the fire department’s service area including providing access to the Passaic River for an emergency boat launch up-stream of the Great Falls (declared a National Park), provides the best response time for service area, and no other brownfields or underdeveloped areas were located within the service area. The proposed action will provide positive social and economic impacts since improved emergency response will benefit all residences and businesses in the service area.
<p><u>Step 4:</u> Identify the full range of potential direct or indirect impacts associated with the occupancy or modification of floodplains and wetlands, and the potential direct and indirect support of floodplain and wetland development that could result from the Proposed Action.</p>	<p><u>Project Analysis:</u> The proposed project will have a permanent impact to the 500 year floodplain. The project will remove soil from the site, increasing the flood storage area. The proposed action will also increase the impervious cover on the site, reducing rainwater infiltration. There is no planned grading or development inside of the 100 year floodplain. The project is not anticipated to adversely impact wetlands.</p>
<p><u>Step 5:</u> Minimize the potential adverse impacts from work within floodplains and wetlands (identified under Step 4), restore and preserve the natural and beneficial values served by wetlands.</p>	<p><u>Project Analysis:</u> The proposed project will be built outside of the 100 year floodplain to minimize impacts to the floodplain. The proposed building and above-ground utilities (i.e. generator), will be elevated at or above the Base Flood Elevation of the 500 year floodplain. The grant applicant will be responsible for obtaining an elevation certificate or other permit from their local floodplain management administrator.</p> <p>The proposed project has will have no impact to wetlands.</p>

<p>Step 6: Reevaluate the Proposed Action to determine: 1) if it is still practicable in light of its exposure to flood hazards; 2) the extent to which it will aggravate the hazards to others; 3) its potential to disrupt floodplain and wetland values.</p>	<p>Project Analysis: The proposed action remains practicable despite its exposure to flood hazards and increase in the impervious coverage due to the conditions of the existing firehouse and the benefits that the new firehouse will provide to the public. Removing fill material in the flood hazard area will increase the flood storage area, reducing hazards to others.</p>
<p>Step 7: If the agency decides to take an action in a floodplain or wetland, prepare and provide the public with a finding and explanation of any final decision that the floodplain or wetland is the only practicable alternative. The explanation should include any relevant factors considered in the decision making process.</p>	<p>Project Analysis: A public notice will be published in a newspaper of general circulation informing the public of FEMA's decision to proceed with the proposed project. The notice will include a statement discussing the impacts to the floodplain, the rational for the impacts to the floodplain, descriptions of all significant facts considered in the decision process, a list of alternatives considered, a statement indicating that the proposed action will conform to state and local floodplain protection standards, and a statement of discussing how mitigation will be achieved.</p>
<p>Step 8: Review the implementation and post-implementation phases of the Proposed Action to ensure that the requirements of the Eos are fully implemented. Oversight responsibility shall be integrated into existing processes.</p>	<p>Project Analysis: This step is integrated into the NEPA process and FEMA project management and oversight functions.</p>