

# JOHN JERMAIN MEMORIAL LIBRARY

JOHN JERMAIN MEMORIAL LIBRARY BOARD OF TRUSTEES  
SAG HARBOR, NY 11963

## PROPOSED RENOVATION / ADDITION PROJECT

### DRAWING LIST

| SHEET NO. | SHEET TITLE                           | Original Issue Date | Revised     |
|-----------|---------------------------------------|---------------------|-------------|
| A0.00     | TITLE SHEET                           | 26 OCT 2009         | 24 SEP 2010 |
| A1.00     | ARCHITECTURAL SITE PLAN & ZONING DATA | 26 OCT 2009         | 24 SEP 2010 |
| A2.00     | PLANTING & EXTERIOR LIGHTING PLAN     | 26 OCT 2009         | 24 SEP 2010 |
| A3.00     | EXTERIOR ELEVATIONS                   | 26 OCT 2009         | 24 SEP 2010 |
| A4.00     | EXTERIOR ELEVATIONS                   | 26 OCT 2009         | 24 SEP 2010 |
| A5.00     | PROPOSED LOWER LEVEL PLAN             | 26 OCT 2009         | 24 SEP 2010 |
| A6.00     | PROPOSED LEVEL 1 PLAN                 | 26 OCT 2009         | 24 SEP 2010 |
| A7.00     | PROPOSED LEVEL 2 PLAN                 | 26 OCT 2009         | 24 SEP 2010 |
| C1.00     | EXISTING CONDITIONS MAP 1.20          | 26 OCT 2009         | 24 SEP 2010 |
| C2.00     | EXISTING CONDITIONS MAP 1.10          | 26 OCT 2009         | 24 SEP 2010 |
| C3.00     | GRADING AND DRAINAGE PLAN             | 26 OCT 2009         | 24 SEP 2010 |
| C4.00     | DETAILS                               | 26 OCT 2009         | 24 SEP 2010 |

**NEWMAN**  
ARCHITECTURE

NEWMAN ARCHITECTS, PC  
Formerly Herbert S. Newman & Partners P.C.  
300 York Street, New Haven, CT 06511  
203.772.1990 Fax 203.772.1997  
www.newmanarchitects.com

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Sag Harbor, NY 11963  
T 631 / 725 - 0049  
F F 631 / 725 - 0049 Ext. 23

**CIVIL ENGINEER**  
The Raynor Group  
860 Montauk Highway  
Water Mill, NY 11978  
T 631 / 726 - 7600  
F 631 / 726 - 4376

**STRUCTURAL ENGINEER**  
Robert Silman Associates  
88 University Place  
New York, NY 10003  
T 212 / 620 - 7970  
F 212 / 620 - 8157

**MEP ENGINEER**  
Allen Sebor Wieber  
31 Knight Street  
Norwalk, CT 06851  
T 203 / 866 - 5538  
F 203 / 866 - 5243

**LANDSCAPE ARCHITECT**  
Elizabeth A. Franz Landscape Architect  
308 7th Avenue  
Brooklyn, NY 11215  
T 212 / 929 - 3300 Ext. 211  
F 212 / 929 - 0812

**John Jermain  
Memorial Library**  
PROPOSED ADDITION /  
RENOVATION PROJECT

**DEIS REVISIONS**

24 SEPTEMBER 2010

201 Main Street  
Sag Harbor, NY 11963

**PROJECT NUMBER**  
0806.00

TITLE SHEET

**ORIGINAL ISSUE DATE**  
26 OCT 2009

**DRAWN BY**  
Author

SCALE

**ARCH**

**A0.00**

**§ 55-4.3 DIMENSIONAL REGULATIONS**  
(R-20 ONE-FAMILY RESIDENCE DISTRICT)

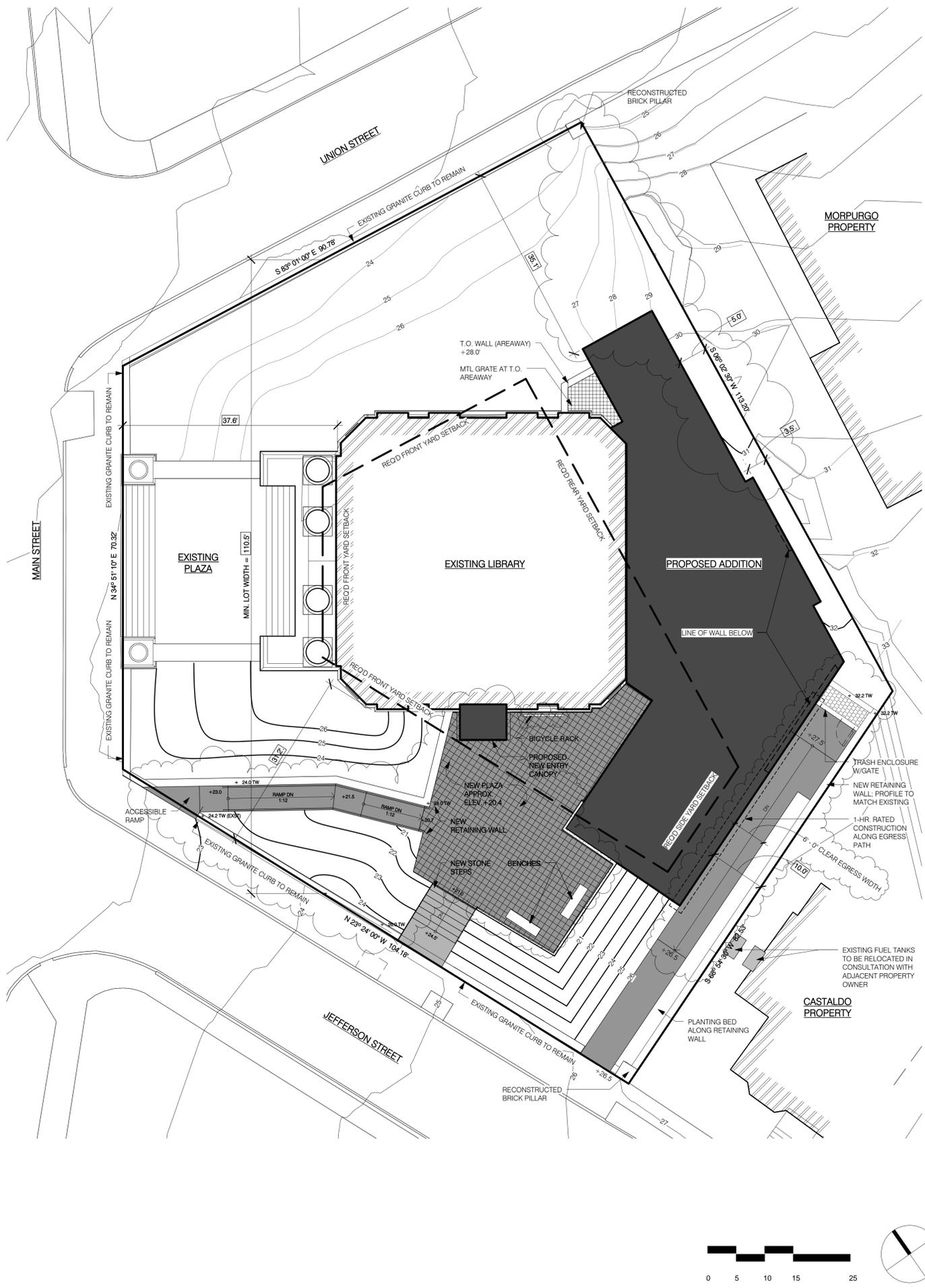
|  | PER ZONING CODE  | EXISTING   | PROPOSED  |
|--|--|--|---|
| <b>A. MINIMUM LOT AREA</b>   | (1) ONE-LOT DETACHED FAMILY DWELLING: 20,000 SF<br>(2) SPECIAL EXCEPTION USE: 40,000 SF  | (1) N/A<br>(2) 14,172 SF   | (1) N/A<br>(2) 14,172 SF  |
| <b>B. MAXIMUM LOT COVERAGE</b>   | (1) ALL BLDGS NOT MORE THAN 20% OF LOT AREA: 2,834 SF<br>(2) ALL BLDGS AND STRUCTURES NOT MORE THAN 25% OF LOT AREA: 3,543 SF  | (1) 24% (3,439 SF)<br>(2) 38.7% (5,487 SF)   | (1) 41% (5,786 SF)<br>(2) 67.7% (9,884 SF)  |
| <b>C. MINIMUM LOT WIDTH:</b>   | 100'   | 110.5'   | 110.5'  |
| <b>D. MAXIMUM HEIGHT:</b>  | 2-1/2 STORIES, WITH MAXIMUM OF 35'   | 2 STORIES, 51.63'  | 2 STORIES, 51.63'<br>EXISTING: 51.63' (UNCHANGED)<br>PROPOSED: 38.58'   |
| <b>E. MINIMUM YARD DEPTH</b>   | (1) FRONT YARD: 35'<br><br>(2) SIDE YARDS:<br>(a) ONE SIDE YARD: 15'<br>(b) BOTH SIDE YARDS: 30'<br>(3) REAR YARD: 30'   | (1) 37.6' AT MAIN STREET (ENCROACHMENT = 0.0' SF)<br>27.4' AT UNION STREET (ENCROACHMENT = 119.0' SF)<br>31.2' AT JEFFERSON STREET (ENCROACHMENT = 34.0' SF)<br>(2) SIDE YARDS:<br>(a) 39.1' AT CASTALDO (ENCROACHMENT = 0.0' SF)<br>(b) N/A<br>(3) 19.5' AT MORPURGO (ENCROACHMENT = 180.0' SF) | (1) 37.6' AT MAIN STREET (ENCROACHMENT = 0.0' SF)<br>27.4' AT UNION STREET (ENCROACHMENT = 0.0' SF)<br>31.2' AT JEFFERSON STREET (ENCROACHMENT = 66.0' SF)<br>(2) SIDE YARDS:<br>(a) 10.0' AT CASTALDO (ENCROACHMENT = 145.0' SF)<br>(b) N/A<br>(3) 3.5' AT MORPURGO (ENCROACHMENT = 1,616.0' SF) |
| <b>F. MINIMUM DIMENSIONS AT ACCESSORY BLDGS AND STRUCTURES:</b>                          | (1) DISTANCE FROM STREET LINE: 35'<br>(2) DISTANCE FROM SIDE LOT LINE IN SIDE YARD: 15'<br>(3) DISTANCE FROM REAR AND SIDE LOT LINES IN REAR YARD: 10'<br>(4) MAXIMUM HEIGHT: ONE STORY W/MAX. OF 15'<br>(5) DISTANCE BETWEEN BUILDINGS: 10'<br>(6) MAXIMUM COVERAGE OF REAR YARD: 30%   | (1) N/A<br>(2) N/A<br>(3) N/A<br>(4) N/A<br>(5) N/A<br>(6) N/A   | (1) N/A<br>(2) N/A<br>(3) N/A<br>(4) N/A<br>(5) N/A<br>(6) N/A  |
| <b>G. MINIMUM HABITABLE FLOOR AREA PER DWELLING UNIT:</b>                                | 850 SF ON FIRST FLOOR  | N/A  | N/A   |
| <b>H. MINIMUM NATURAL OR LANDSCAPED OPEN SPACE:</b>                                      | NOT LESS THAN EXST. AREAS WITHIN TIDAL WETLANDS<br><br>NOT LESS THAN EXST. AREAS WITHIN NATURAL RESOURCES INVENTORY<br><br>PRESERVATION OF VEGETATION WITHIN 25' OF MEAN HIGHWATER LINE OR UPLAND EDGE OF WETLANDS, BEACH OR DUNE HABITS<br><br>NO FERTILIZATION OF VEGETATION WITHIN 25' OF MEAN HIGHWATER LINE OR UPLAND EDGE OF WETLANDS, BEACH OR DUNE HABITS<br><br>INDIVIDUAL SEWAGE DISPOSAL SYSTEMS SET BACK AT LEAST 100' FROM MEAN HIGHWATER LINE OR UPLAND EDGE OF WETLANDS, BEACH OR DUNE HABITS | N/A<br>N/A<br>N/A<br>N/A<br>N/A  | N/A<br>N/A<br>N/A<br>N/A<br>N/A   |
| <b>I. MINIMUM NATURAL OR LANDSCAPED OPEN SPACE PER TABLE OF DIMENSIONAL REGULATIONS:</b> | 50% OF LOT AREA, EXCLUDING ALL BUILDINGS AND STRUCTURES:<br>4,342 SF = [0.50 x (14,172 SF - 5,487 SF)]   | 8,647 SF LANDSCAPED AREA = 99%   | 5,171 SF LANDSCAPED AREA = 59%  |

**§ 55-9.6 OFF-STREET PARKING AND TRUCK LOADING SPACE**  
(NON-RESIDENTIAL USES)

| BASED ON NO FIXED SEATING   |  |                             |   |  |
|---|--|-----------------------------|---|--|
|   | (A) EXISTING CURRENT BLDG CONFIG.          | (B) PROPOSED EXPANSION ONLY | (C) Δ RENOVATED EXISTING BLDG CONFIGURATION | (D) TOTAL DEFICIT RENOVATION AND EXPANSION |
| <b>A. PARKING CALCULATIONS PER SCHEDULE 55-9.6 (D)</b>  |  |                             |   |  |
| LIBRARY USE SAME AS AUDITORIUM USE:<br>1 PER EACH 40 SF OF SEATING AREA WHERE FIXED SEATING NOT REQ'D | 38.7 [1,550 SF/40SF]                       | 29.8 [1,192 SF/40 SF]       | -5.6 [-225 SF/40 SF]                        | 62.9 [A + B + C]                           |
| +   |  |                             |   |  |
| 1 PER EACH EMPLOYEE   | 13.0 [13 STAFF/1]                          | 4.0 [4 STAFF/1]             | -4.0 [-4 STAFF/1]                           | 13.0 [A + B + C]                           |
| +   |  |                             |   |  |
| STORAGE USE (SHELVING AREAS COUNTED AS STORAGE):<br>1 PER EACH 500 SF FLOOR                           | 3.6 [1,823 SF/500 SF]                      | 3.1 [1,562 SF/500 SF]       | 1.4 [709 SF/500 SF]                         | 8.1 [A + B + C]                            |
| = X SPACES REQUIRED   | = 55.3 SPACES REQUIRED (0 SPACES PROVIDED) | = 36.9 SPACES REQUIRED      | = 6 FEWER SPACES REQUIRED                   | = 84 SPACES TOTAL DEFICIT                  |

| BASED ON FIXED SEATING  |  |                             |   |  |
|---|--|-----------------------------|---|--|
|   | (A) EXISTING CURRENT BLDG CONFIG.          | (B) PROPOSED EXPANSION ONLY | (C) Δ RENOVATED EXISTING BLDG CONFIGURATION | (D) TOTAL DEFICIT RENOVATION AND EXPANSION |
| <b>A. PARKING CALCULATIONS PER SCHEDULE 55-9.6 (D)</b>                      |  |                             |   |  |
| LIBRARY USE SAME AS AUDITORIUM USE:<br>1 PER EVERY 3 SEATS                  | 38.7                                       | 16.3                        | -20.4                                       | 34.6 [A + B + C]                           |
| +   |  |                             |   |  |
| 1 PER EACH EMPLOYEE   | 13.0                                       | 4.0                         | -4.0  | 13.0 [A + B + C]                           |
| +   |  |                             |   |  |
| STORAGE USE (SHELVING AREAS COUNTED AS STORAGE):<br>1 PER EACH 500 SF FLOOR | 3.6  | 3.6                         | -0.1  | 7.1 [A + B + C]                            |
| = X SPACES REQUIRED   | = 55.3 SPACES REQUIRED (0 SPACES PROVIDED) | = 23.9 SPACES REQUIRED      | = 1.3 FEWER SPACES REQUIRED                 | = 55 SPACES TOTAL DEFICIT                  |

|  | EXISTING CURRENT BLDG CONFIG.     | PROPOSED RENOVATION AND EXPANSION |
|--|-----------------------------------|-----------------------------------|
| <b>B. OFF-STREET TRUCK LOADING SPACE PER SCHEDULE 55-9.6 (E)</b> |                                   |                                   |
| UP TO 8,000 SF = 1 SPACE   | 1 SPACE, UNLESS WAIVED (7,428 SF) | 1 SPACE, UNLESS WAIVED (14,936)   |
| 8,000 SF - 25,000 SF = 1 SPACE                                   |                                   |                                   |



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Board of Trustees  
201 Main Street  
Sag Harbor, NY 11963  
T 631 / 725 - 0049  
F 631 / 725 - 0049 Ext. 23

**CIVIL ENGINEER**  
The Raynor Group  
860 Montauk Highway  
Water Mill, NY 11978  
T 631 / 726 - 7600  
F 631 / 726 - 4378

**STRUCTURAL ENGINEER**  
Robert Silman Associates  
88 University Place  
New York, NY 10003  
T 212 / 620 - 7970  
F 212 / 620 - 8157

**MEP ENGINEER**  
Allen Sebor Wietler  
31 Knight Street  
Norwalk, CT 06851  
T 203 / 866 - 5538  
F 203 / 866 - 5243

**LANDSCAPE ARCHITECT**  
Elizabeth A. Franz Landscape Architect  
308 7th Avenue  
Brooklyn, NY 11215  
T 212 / 929 - 3300 Ext. 211  
F 212 / 929 - 0812

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PROPOSED ADDITION / RENOVATION PROJECT

**DEIS REVISIONS**  
24 SEPTEMBER 2010  
201 Main Street  
Sag Harbor, NY 11963

PROJECT NUMBER  
0806.00

ARCHITECTURAL SITE PLAN AND ZONING DATA

ORIGINAL ISSUE DATE  
26 OCT 2009

DRAWN BY  
Author

SCALE  
As indicated

ARCH  
**A1.00**



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**PLANTING & EXTERIOR LIGHTING PLAN**

**ORIGINAL ISSUE DATE**  
26 OCT 2009

**DRAWN BY**  
JA

**SCALE**  
As indicated

**ARCH**

**A2.00**

**PLANTING SCHEDULE**

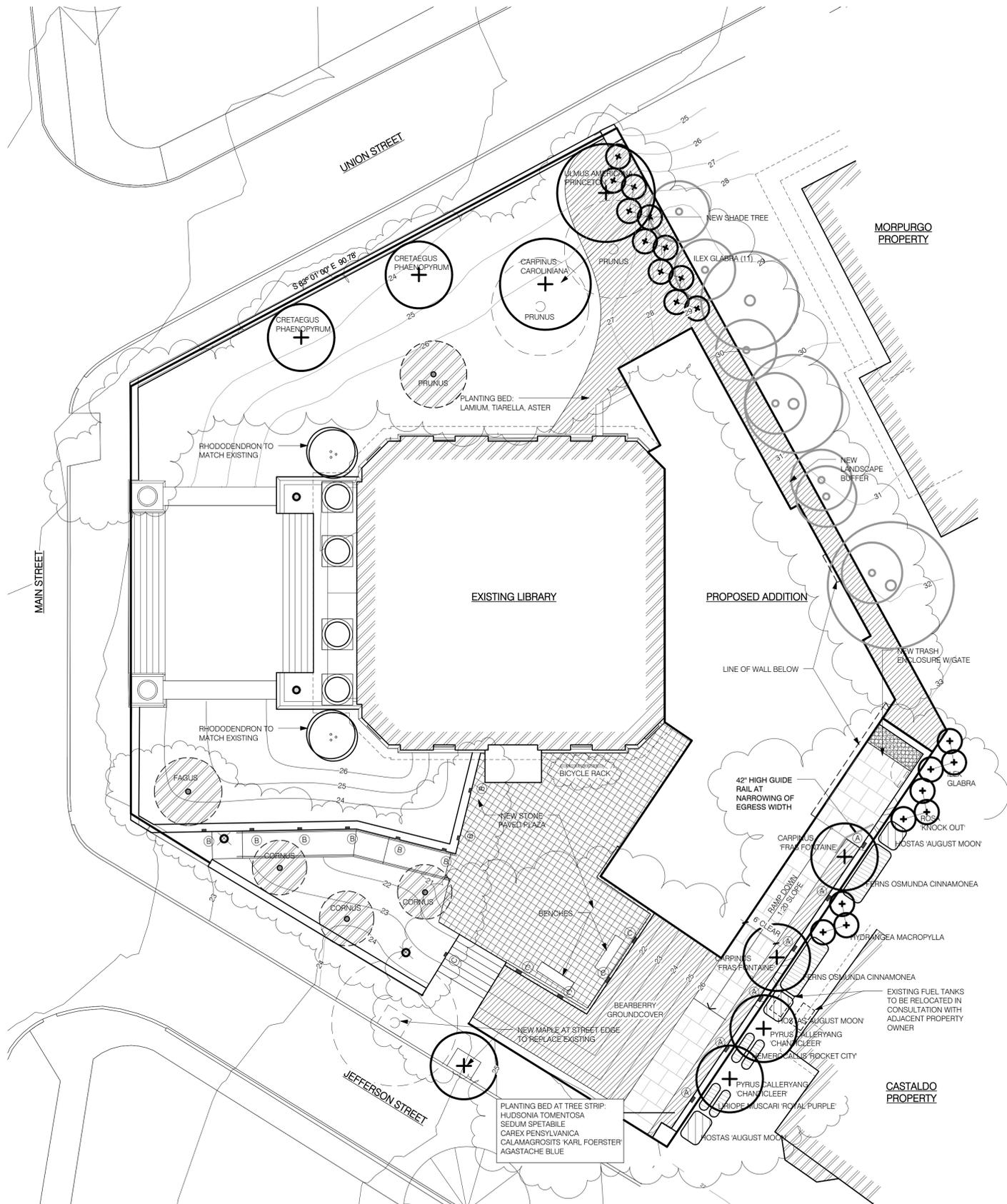
| LEGEND | SPECIES   |
|--------|---|
| 1.     | EXISTING TREE TO REMAIN VARIOUS   |
| 2.     | EXISTING RHODODENDRON TO REMAIN RHODODENDRON  |
| 3.     | PROPOSED SPECIMEN SHRUBS RHODODENDRON   |
| 4.     | EXISTING TREE RELOCATED (TO NEW LOCATION) FAGUS CORNUS PRUNUS   |
| 5.     | PROPOSED TREE PYRUS CALLERYANG 'CHANTICLEER' CARPINUS FRAS FONTAINE CRETAEGUS PHAENOPYRUM ULMUS AMERICANA 'PRINCETON' |
| 6.     | PROPOSED GROUND COVER LAMIUM, TIARELLA, ASTER OR AS INDICATED   |
| 7.     | EXISTING TREE TO BE REMOVED   |

NOTE: ALL NEW TREES TO BE 3" - 3 1/2" CALIPER

**EXTERIOR LIGHTING FIXTURE SCHEDULE**

| FIXTURE MODEL (BASIS OF DESIGN)          |
|--|
| 1.  BEGA MODEL #3042P @ 10'-0" O.C.; 60W |
| 2.  BEGA MODEL #2224P @ 8'-0" O.C.; 18W  |
| 3.  BEGA MODEL #8534P @ 8'-0" O.C.; 18W  |
| 4.                                       |
| 5.                                       |

NOTE: CONTROL SYSTEM WILL TURN OFF EXTERIOR FIXTURES WHEN LIBRARY IS CLOSED FOR BUSINESS



1 PLANTING AND EXTERIOR LIGHTING PLAN  
A2.00 1" = 10'-0"







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 Brooklyn, NY 11215  
 T 212 / 929 - 3300 Ext. 211  
 F 212 / 929 - 0812

## John Jermain Memorial Library PROPOSED ADDITION / RENOVATION PROJECT

### DEIS REVISIONS

24 SEPTEMBER 2010  
 201 Main Street  
 Sag Harbor, NY 11963

PROJECT NUMBER  
 0806.00

### PROPOSED LOWER LEVEL PLAN

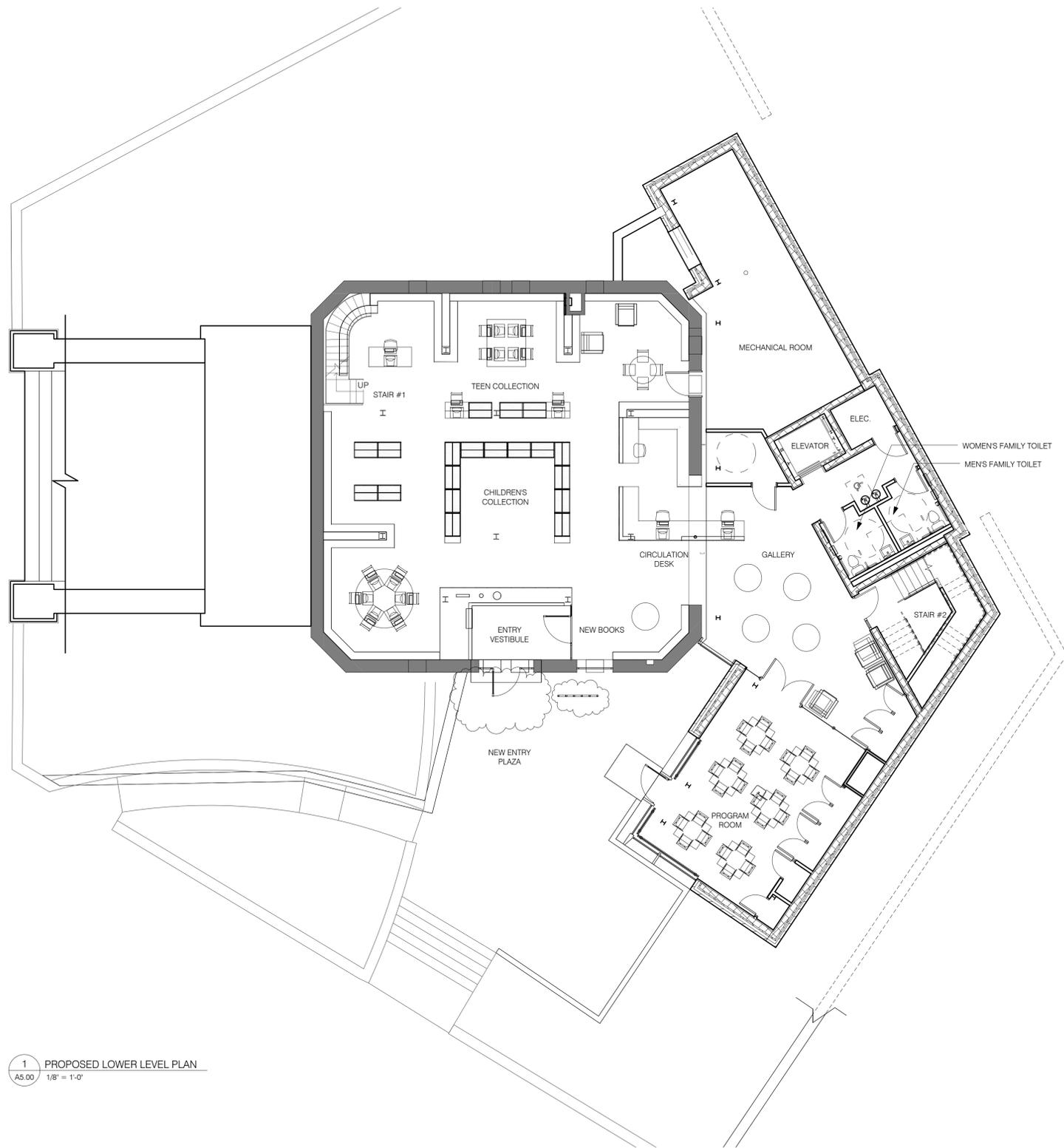
ORIGINAL ISSUE DATE  
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SCALE  
 1/8" = 1'-0"

ARCH

**A5.00**



1 PROPOSED LOWER LEVEL PLAN  
 A5.00 1/8" = 1'-0"





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**PROPOSED LEVEL 1 PLAN**

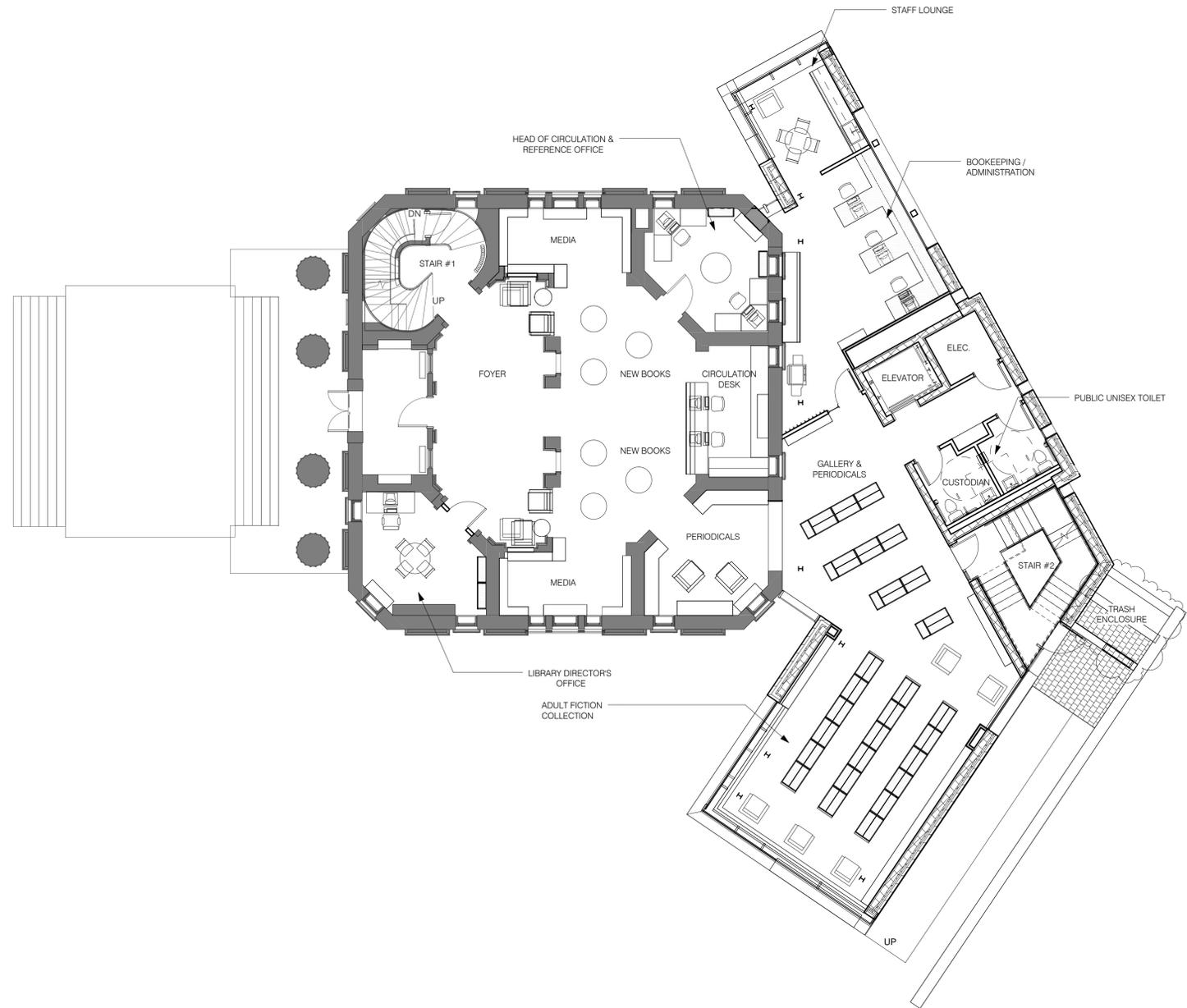
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**DRAWN BY**  
Author

**SCALE**  
1/8" = 1'-0"

**ARCH**

**A6.00**



**1** PROPOSED LEVEL 1 PLAN  
A6.00 1/8" = 1'-0"



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PROJECT NUMBER  
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PROPOSED LEVEL 2 PLAN

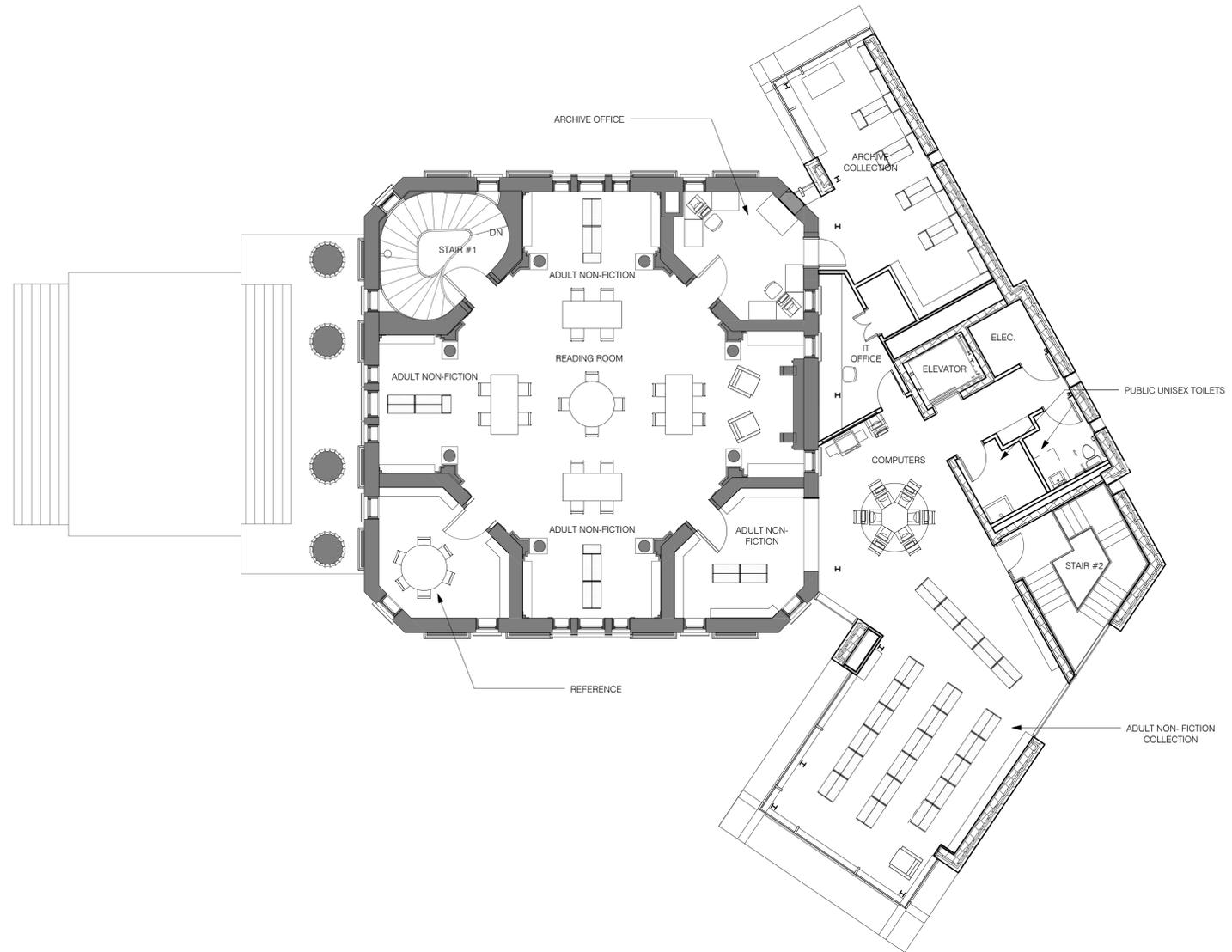
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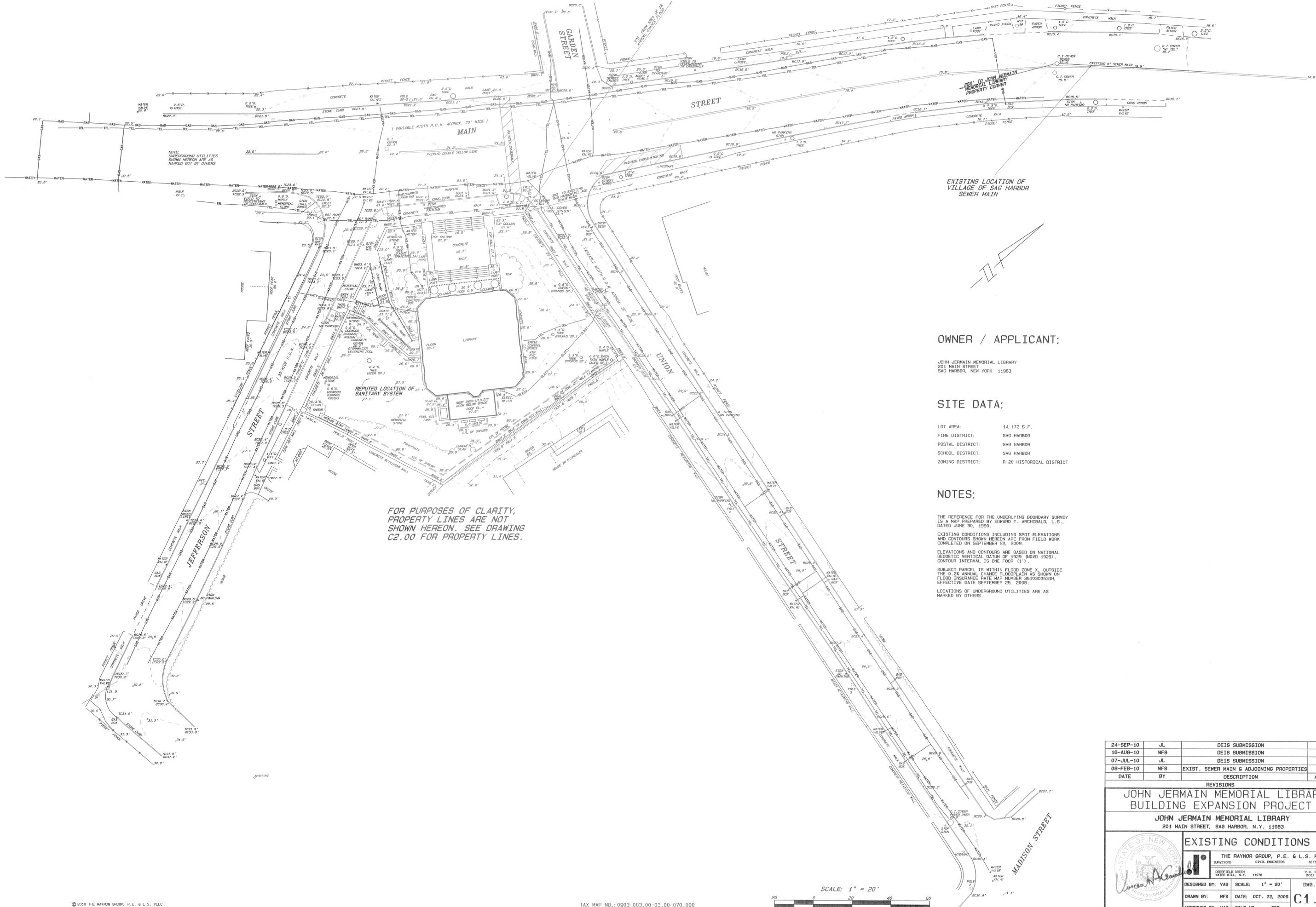
DRAWN BY  
 Author

SCALE  
 1/8" = 1'-0"

ARCH

# A7.00





EXISTING LOCATION OF VILLAGE OF SAG HARBOR SEWER MAIN

FOR PURPOSES OF CLARITY, PROPERTY LINES ARE NOT SHOWN HEREON. SEE DRAWING C2.00 FOR PROPERTY LINES.

**OWNER / APPLICANT:**

JOHN JERMAIN MEMORIAL LIBRARY  
201 MAIN STREET  
SAG HARBOR, NEW YORK 11963

**SITE DATA:**

LOT AREA: 14,172 S.F.  
FIRE DISTRICT: SAG HARBOR  
POSTAL DISTRICT: SAG HARBOR  
SCHOOL DISTRICT: SAG HARBOR  
ZONING DISTRICT: R-20 HISTORICAL DISTRICT

**NOTES:**

THE REFERENCE FOR THE UNDERLYING BOUNDARY SURVEY IS A MAP PREPARED BY EDWARD T. ARCHIBALD, L.S., DATED JUNE 30, 1990.  
EXISTING CONDITIONS INCLUDING SPOT ELEVATIONS AND CONTOURS SHOWN HEREON ARE FROM FIELD WORK COMPLETED ON SEPTEMBER 22, 2009.  
ELEVATIONS AND CONTOURS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929). CONTOUR INTERVAL IS ONE FOOT (1').  
SUBJECT PARCEL IS WITHIN FLOOD ZONE X, OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 3810300531H, EFFECTIVE DATE SEPTEMBER 25, 2008.  
LOCATIONS OF UNDERGROUND UTILITIES ARE AS MARKED BY OTHERS.

| DATE      | BY  | DESCRIPTION                              | APPRVD |
|-----------|-----|--|--------|
| 24-SEP-10 | JL  | DEIS SUBMISSION                          | VAG    |
| 16-AUG-10 | MFS | DEIS SUBMISSION                          | VAG    |
| 07-JUL-10 | JL  | DEIS SUBMISSION                          | VAG    |
| 08-FEB-10 | MFS | EXIST. SEWER MAIN & ADJOINING PROPERTIES | VAG    |

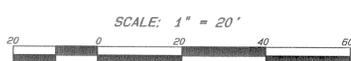
**REVISIONS**  
**JOHN JERMAIN MEMORIAL LIBRARY BUILDING EXPANSION PROJECT**  
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201 MAIN STREET, SAG HARBOR, N.Y. 11963

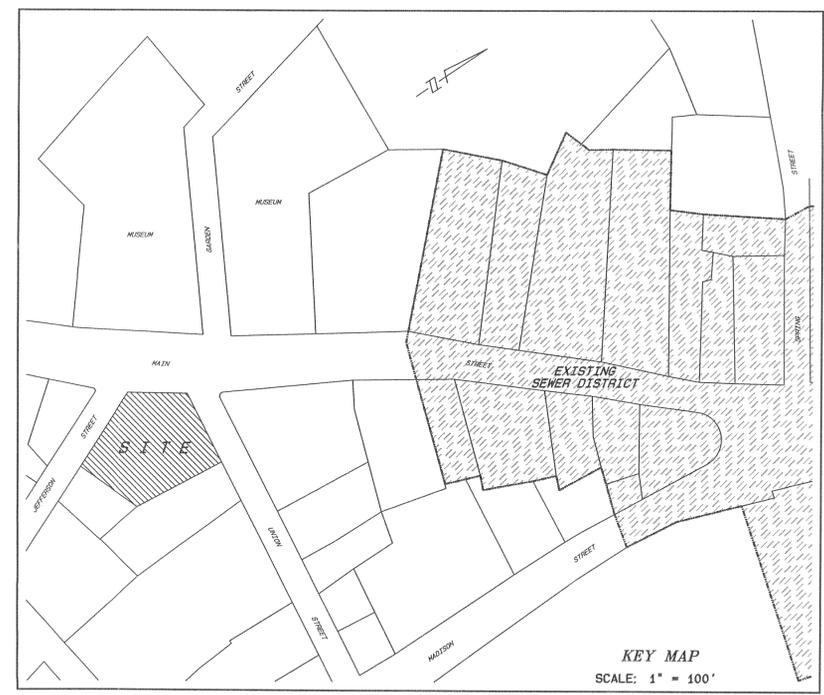
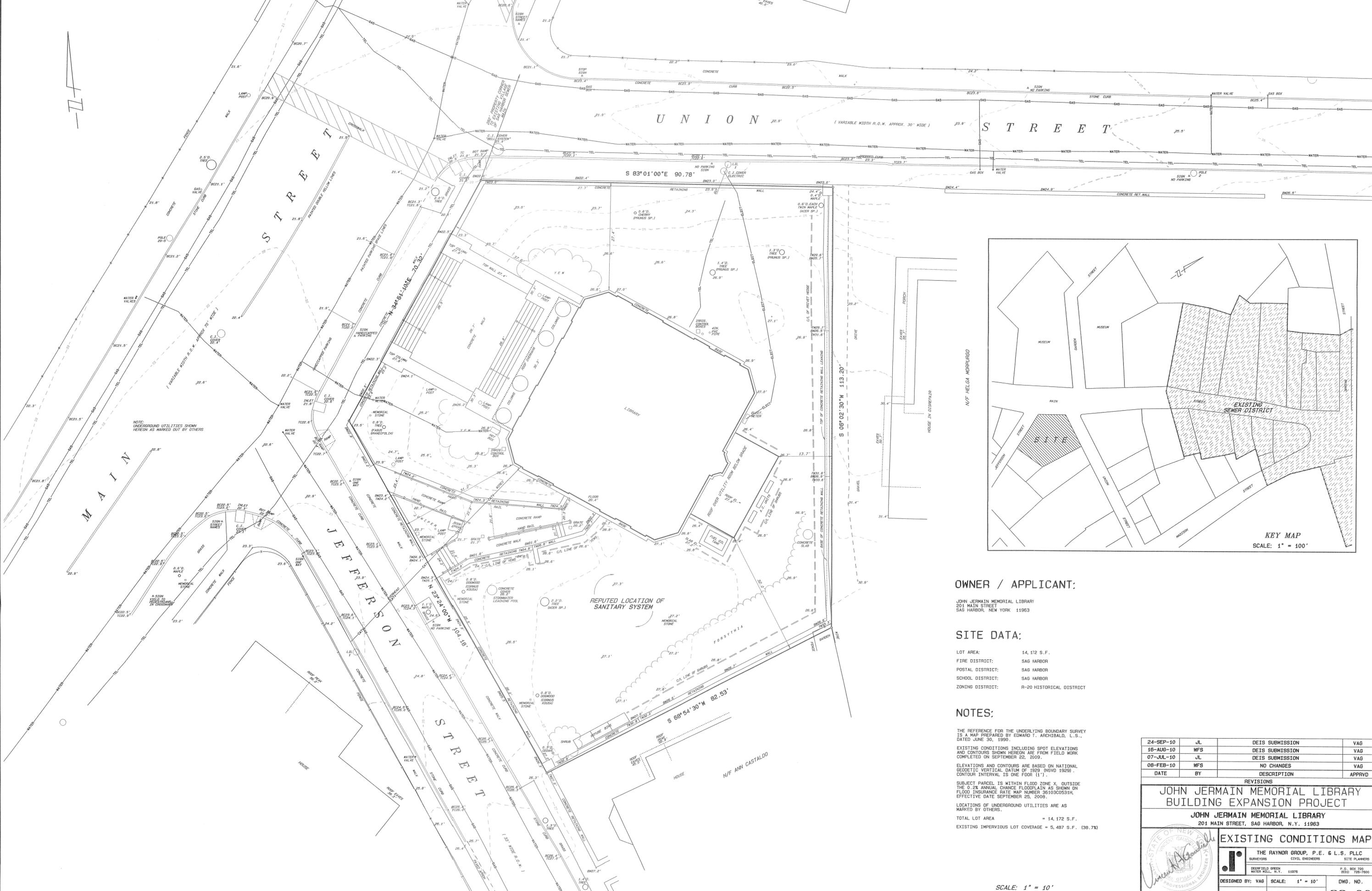
**EXISTING CONDITIONS MAP**

THE RAYNOR GROUP, P.E. & L.S. PLLC  
SURVEYORS CIVIL ENGINEERS SITE PLANNERS

DESIGNED BY: VAG SCALE: 1" = 20' DWG. NO.  
DRAWN BY: MFS DATE: OCT. 22, 2009  
APPROVED BY: VAG FILE NO.: 268

**C1.00**





**OWNER / APPLICANT:**

JOHN JERMAIN MEMORIAL LIBRARY  
 201 MAIN STREET  
 SAG HARBOR, NEW YORK 11963

**SITE DATA:**

LOT AREA: 14,172 S.F.  
 FIRE DISTRICT: SAG HARBOR  
 POSTAL DISTRICT: SAG HARBOR  
 SCHOOL DISTRICT: SAG HARBOR  
 ZONING DISTRICT: R-20 HISTORICAL DISTRICT

**NOTES:**

THE REFERENCE FOR THE UNDERLYING BOUNDARY SURVEY IS A MAP PREPARED BY EDWARD T. ARCHIBALD, L.S., DATED JUNE 30, 1990.  
 EXISTING CONDITIONS INCLUDING SPOT ELEVATIONS AND CONTOURS SHOWN HEREON ARE FROM FIELD WORK COMPLETED ON SEPTEMBER 22, 2009.  
 ELEVATIONS AND CONTOURS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929). CONTOUR INTERVAL IS ONE FOOT (1').  
 SUBJECT PARCEL IS WITHIN FLOOD ZONE X, OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 361030031H, EFFECTIVE DATE SEPTEMBER 23, 2009.  
 LOCATIONS OF UNDERGROUND UTILITIES ARE AS MARKED BY OTHERS.  
 TOTAL LOT AREA = 14,172 S.F.  
 EXISTING IMPERVIOUS LOT COVERAGE = 5,487 S.F. (38.7%)

| DATE      | BY  | DESCRIPTION     | APPRVD |
|-----------|-----|-----------------|--------|
| 24-SEP-10 | JL  | DEIS SUBMISSION | VAG    |
| 16-AUG-10 | MFS | DEIS SUBMISSION | VAG    |
| 07-JUL-10 | JL  | DEIS SUBMISSION | VAG    |
| 08-FEB-10 | MFS | NO CHANGES      | VAG    |

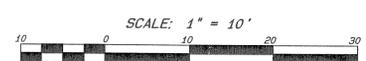
**JOHN JERMAIN MEMORIAL LIBRARY BUILDING EXPANSION PROJECT**

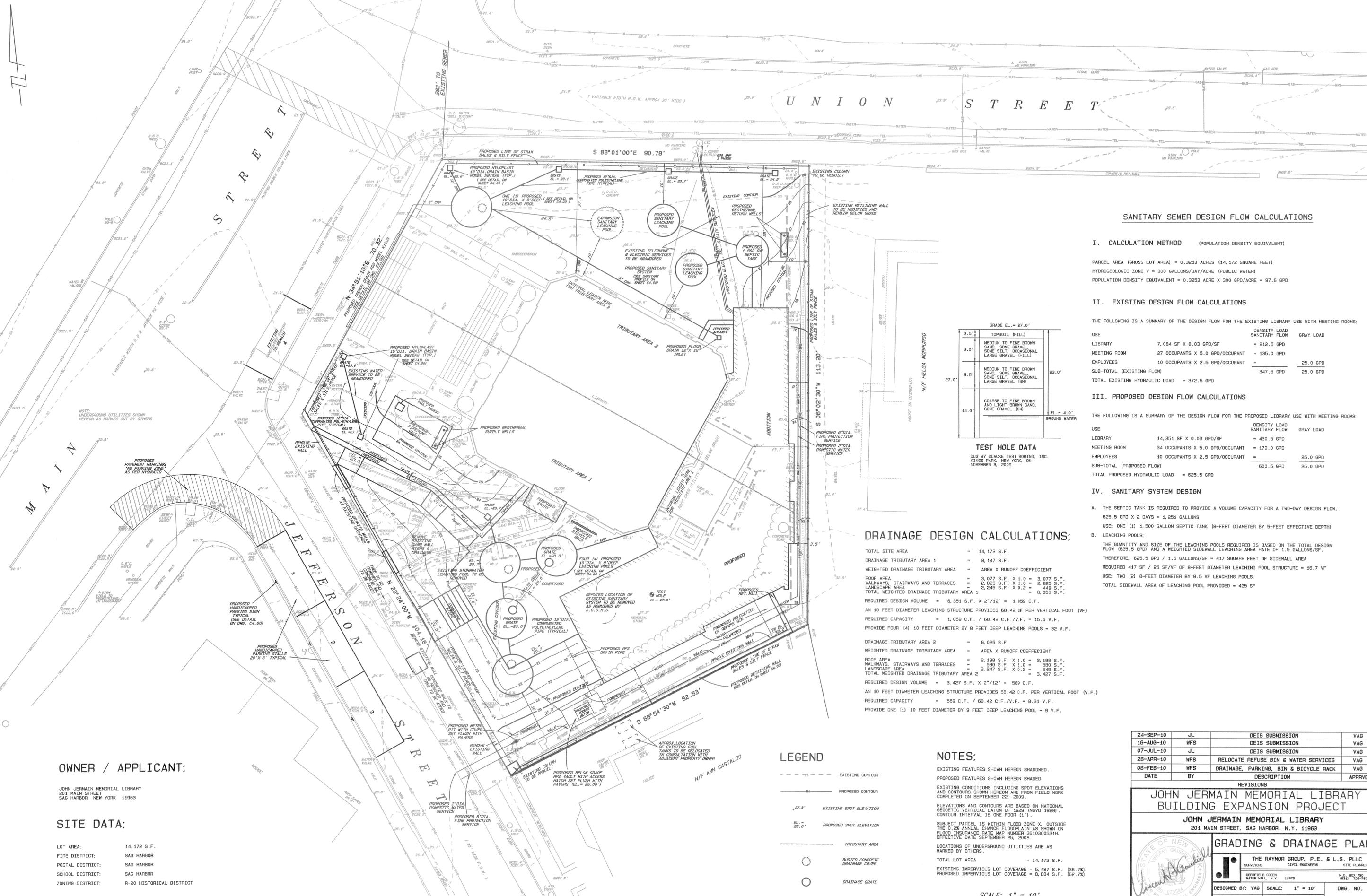
JOHN JERMAIN MEMORIAL LIBRARY  
 201 MAIN STREET, SAG HARBOR, N.Y. 11963

**EXISTING CONDITIONS MAP**

THE RAYNOR GROUP, P.E. & L.S. PLLC  
 SURVEYORS CIVIL ENGINEERS SITE PLANNERS

DESIGNED BY: VAG SCALE: 1" = 10' DWG. NO.  
 DRAWN BY: MFS DATE: OCT. 22, 2009  
 APPROVED BY: VAG FILE NO.: 268





**SANITARY SEWER DESIGN FLOW CALCULATIONS**

**I. CALCULATION METHOD (POPULATION DENSITY EQUIVALENT)**

PARCEL AREA (GROSS LOT AREA) = 0.3253 ACRES (14,172 SQUARE FEET)  
 HYDROGEOLOGIC ZONE V = 300 GALLONS/DAY/ACRE (PUBLIC WATER)  
 POPULATION DENSITY EQUIVALENT = 0.3253 ACRE X 300 GPD/ACRE = 97.6 GPD

**II. EXISTING DESIGN FLOW CALCULATIONS**

THE FOLLOWING IS A SUMMARY OF THE DESIGN FLOW FOR THE EXISTING LIBRARY USE WITH MEETING ROOMS:

| USE                           | DENSITY LOAD                    | SANITARY FLOW | GRAY LOAD |
|-------------------------------|---------------------------------|---------------|-----------|
| LIBRARY                       | 7,084 SF X 0.03 GPD/SF          | = 212.5 GPD   |           |
| MEETING ROOM                  | 27 OCCUPANTS X 5.0 GPD/OCCUPANT | = 135.0 GPD   |           |
| EMPLOYEES                     | 10 OCCUPANTS X 2.5 GPD/OCCUPANT | = 25.0 GPD    |           |
| SUB-TOTAL (EXISTING FLOW)     |                                 | 347.5 GPD     | 25.0 GPD  |
| TOTAL EXISTING HYDRAULIC LOAD |                                 | = 372.5 GPD   |           |

**III. PROPOSED DESIGN FLOW CALCULATIONS**

THE FOLLOWING IS A SUMMARY OF THE DESIGN FLOW FOR THE PROPOSED LIBRARY USE WITH MEETING ROOMS:

| USE                           | DENSITY LOAD                    | SANITARY FLOW | GRAY LOAD |
|-------------------------------|---------------------------------|---------------|-----------|
| LIBRARY                       | 14,351 SF X 0.03 GPD/SF         | = 430.5 GPD   |           |
| MEETING ROOM                  | 34 OCCUPANTS X 5.0 GPD/OCCUPANT | = 170.0 GPD   |           |
| EMPLOYEES                     | 10 OCCUPANTS X 2.5 GPD/OCCUPANT | = 25.0 GPD    |           |
| SUB-TOTAL (PROPOSED FLOW)     |                                 | 600.5 GPD     | 25.0 GPD  |
| TOTAL PROPOSED HYDRAULIC LOAD |                                 | = 625.5 GPD   |           |

**TEST HOLE DATA**

DUG BY SLACK TEST BORING, INC.  
 KINGS PARK, NEW YORK, ON  
 NOVEMBER 3, 2009

| DEPTH (FEET) | SOIL TYPE   | GROUNDWATER ELEVATION (FEET) |
|--------------|---|------------------------------|
| 0.5'         | TOPSOIL (FILL)  |                              |
| 3.0'         | MEDIUM TO FINE BROWN SAND, SOME GRAVEL, SOME SILT, OCCASIONAL LARGE GRAVEL (FILL) | 23.0'                        |
| 9.5'         | MEDIUM TO FINE BROWN SAND, SOME GRAVEL, SOME SILT, OCCASIONAL LARGE GRAVEL (SM)   |                              |
| 14.0'        | COARSE TO FINE BROWN AND LIGHT BROWN SAND, SOME GRAVEL (SM)                       | EL. = 4.0' GROUND WATER      |

**DRAINAGE DESIGN CALCULATIONS:**

TOTAL SITE AREA = 14,172 S.F.  
 DRAINAGE TRIBUTARY AREA 1 = 8,147 S.F.  
 WEIGHTED DRAINAGE TRIBUTARY AREA = AREA X RUNOFF COEFFICIENT

ROOF AREA = 3,077 S.F. X 1.0 = 3,077 S.F.  
 WALKWAYS, STAIRWAYS AND TERRACES = 2,825 S.F. X 1.0 = 2,825 S.F.  
 LANDSCAPE AREA = 2,249 S.F. X 0.2 = 449 S.F.  
 TOTAL WEIGHTED DRAINAGE TRIBUTARY AREA 1 = 6,351 S.F.

REQUIRED DESIGN VOLUME = 6,351 S.F. X 2"/12" = 1,059 C.F.  
 AN 10 FEET DIAMETER LEACHING STRUCTURE PROVIDES 68.42 C.F. PER VERTICAL FOOT (V.F.)  
 REQUIRED CAPACITY = 1,059 C.F. / 68.42 C.F./V.F. = 15.5 V.F.  
 PROVIDE FOUR (4) 10 FEET DIAMETER BY 8 FEET DEEP LEACHING POOLS = 32 V.F.

DRAINAGE TRIBUTARY AREA 2 = 6,025 S.F.  
 WEIGHTED DRAINAGE TRIBUTARY AREA = AREA X RUNOFF COEFFICIENT

ROOF AREA = 2,198 S.F. X 1.0 = 2,198 S.F.  
 WALKWAYS, STAIRWAYS AND TERRACES = 3,247 S.F. X 0.2 = 649 S.F.  
 TOTAL WEIGHTED DRAINAGE TRIBUTARY AREA 2 = 3,427 S.F.

REQUIRED DESIGN VOLUME = 3,427 S.F. X 2"/12" = 569 C.F.  
 AN 10 FEET DIAMETER LEACHING STRUCTURE PROVIDES 68.42 C.F. PER VERTICAL FOOT (V.F.)  
 REQUIRED CAPACITY = 569 C.F. / 68.42 C.F./V.F. = 8.31 V.F.  
 PROVIDE ONE (1) 10 FEET DIAMETER BY 9 FEET DEEP LEACHING POOL = 9 V.F.

**LEGEND**

- - - - - EXISTING CONTOUR
- — — — — PROPOSED CONTOUR
- 27.3' EXISTING SPOT ELEVATION
- 20.0' PROPOSED SPOT ELEVATION
- TRIBUTARY AREA
- BURIED CONCRETE DRAINAGE COVER
- DRAINAGE GRATE

**NOTES:**

EXISTING FEATURES SHOWN HEREON SHADOWED.  
 PROPOSED FEATURES SHOWN HEREON SHADED.

EXISTING CONDITIONS INCLUDING SPOT ELEVATIONS AND CONTOURS SHOWN HEREON ARE FROM FIELD WORK COMPLETED ON SEPTEMBER 22, 2009.

ELEVATIONS AND CONTOURS ARE BASED ON NATIONAL GEODETIC VERTICAL DATUM OF 1929 (NGVD 1929). CONTOUR INTERVAL IS ONE FOOT (1').

SUBJECT PARCEL IS WITHIN FLOOD ZONE X, OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN AS SHOWN ON FLOOD INSURANCE RATE MAP NUMBER 36103C0531H, EFFECTIVE DATE SEPTEMBER 25, 2009.

LOCATIONS OF UNDERGROUND UTILITIES ARE AS MARKED BY OTHERS.

TOTAL LOT AREA = 14,172 S.F.  
 EXISTING IMPERVIOUS LOT COVERAGE = 5,487 S.F. (38.7%)  
 PROPOSED IMPERVIOUS LOT COVERAGE = 6,884 S.F. (62.7%)

**OWNER / APPLICANT:**

JOHN JERMAIN MEMORIAL LIBRARY  
 201 MAIN STREET  
 SAG HARBOR, NEW YORK 11963

**SITE DATA:**

LOT AREA: 14,172 S.F.  
 FIRE DISTRICT: SAG HARBOR  
 POSTAL DISTRICT: SAG HARBOR  
 SCHOOL DISTRICT: SAG HARBOR  
 ZONING DISTRICT: R-20 HISTORICAL DISTRICT

|           |     |                                       |        |
|-----------|-----|---------------------------------------|--------|
| 24-SEP-10 | JL  | DEIS SUBMISSION                       | VAG    |
| 16-AUG-10 | MFS | DEIS SUBMISSION                       | VAG    |
| 07-JUL-10 | JL  | DEIS SUBMISSION                       | VAG    |
| 28-APR-10 | MFS | RELOCATE REFUSE BIN & WATER SERVICES  | VAG    |
| 08-FEB-10 | MFS | DRAINAGE, PARKING, BIN & BICYCLE RACK | VAG    |
| DATE      | BY  | DESCRIPTION                           | APPROV |

**REVISIONS**

**JOHN JERMAIN MEMORIAL LIBRARY  
 BUILDING EXPANSION PROJECT**

**JOHN JERMAIN MEMORIAL LIBRARY**  
 201 MAIN STREET, SAG HARBOR, N.Y. 11963

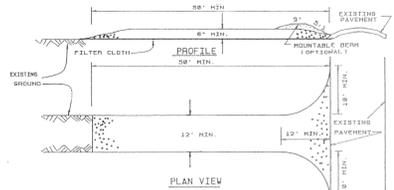
**GRADING & DRAINAGE PLAN**

THE RAYNOR GROUP, P.E. & L.S. PLLC  
 SURVEYORS CIVIL ENGINEERS SITE PLANNERS

DESIGNED BY: VAG SCALE: 1" = 10' DWG. NO.  
 DRAWN BY: VAG DATE: OCT. 22, 2009 C3.00  
 APPROVED BY: MFS FILE NO.: 2268

**EROSION CONTROL MEASURES**

- IN ACCORDANCE WITH THE PROVISIONS OF THE USEPA GENERAL PERMIT AND THE NYSDC, DURING THE COURSE OF CONSTRUCTION, CERTAIN EROSION AND SEDIMENT CONTROL MEASURES MAY BECOME NECESSARY TO PREVENT THE TRANSPORT OF SEDIMENT TO OFF-SITE AREAS, PONDS, WATER COURSES, DRAINAGE INLETS, RECHARGE BASINS, ETC. ACTUAL EROSION CONTROL MEASURES WILL BE DICTATED BY FIELD CONDITIONS AS CONSTRUCTION PROGRESSES, BUT THE FOLLOWING GENERAL CONDITIONS SHALL BE OBSERVED:
  - \*EXISTING VEGETATION TO REMAIN SHALL BE PROTECTED AND REMAIN UNDISTURBED.
  - \*CLEARING AND GRADING SHALL BE SCHEDULED SO AS TO MINIMIZE THE SIZE OF EXPOSED AREAS AND THE LENGTH OF TIME THAT AREAS ARE EXPOSED.
  - \*THE LENGTH AND STEEPNESS OF CLEARED SLOPES SHALL BE MINIMIZED TO REDUCE RUNOFF VELOCITIES.
  - \*SEDIMENT SHALL BE RETAINED ON THE SITE.
- SPECIFIC SEDIMENT CONTROL METHODS AND MATERIALS EMPLOYED IN THE INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES SHALL CONFORM TO THE "NEW YORK GUIDELINES FOR EROSION AND SEDIMENT CONTROL".
- SEDIMENT BARRIERS (SILT FENCE, HAY BALES OR APPROVED EQUAL) SHALL BE INSTALLED AS REQUIRED ALONG THE LIMITS OF DISTURBANCE FOR THE DURATION OF THE WORK. NO SEDIMENT FROM THE SITE SHALL BE PERMITTED TO WASH ONTO ADJACENT PROPERTIES, WETLANDS OR ROADS.
- GRADED AND STRIPPED AREAS AND STOCKPILES SHALL BE KEPT STABILIZED THROUGH THE USE OF TEMPORARY SEEDING AS REQUIRED. SEED MIXTURES SHALL BE IN ACCORDANCE WITH THE NATIONAL RESOURCES CONSERVATION SERVICE RECOMMENDATIONS.
- DRAINAGE INLETS INSTALLED AS PART OF THE PROJECT SHALL BE PROTECTED FROM SEDIMENT BUILDUP THROUGH THE USE OF SEDIMENT BARRIERS, SEDIMENT TRAPS, ETC. AS REQUIRED.
- INSPECTION AND MAINTENANCE OF EROSION CONTROL MEASURES IS TO BE PERFORMED DAILY BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION FOR THE DAY AND AFTER HEAVY OR PROLONGED STORMS. MAINTENANCE MEASURES INCLUDE, BUT ARE NOT LIMITED TO, CLEANING AND/OR REPAIR OF SEDIMENT BASINS OR TRAPS, SEDIMENT BARRIERS, BERMS, DIVERSIONS, AND INLET PROTECTION.
- APPROPRIATE MEANS SHALL BE USED TO CONTROL DUST DURING CONSTRUCTION.
- A STABILIZED CONSTRUCTION ENTRANCE SHALL BE MAINTAINED TO PREVENT SOIL AND LOOSE DEBRIS FROM BEING TRACKED ONTO LOCAL ROADS. THE CONSTRUCTION ENTRANCE SHALL BE MAINTAINED UNTIL SITE IS PERMANENTLY STABILIZED.
- SEDIMENT BARRIERS AND OTHER EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL UPLAND DISTURBED AREAS ARE PERMANENTLY STABILIZED. AFTER PERMANENT STABILIZATION, PAVED AREAS SHALL BE CLEANED AND THE DRAINAGE SYSTEM CLEANED AND FLUSHED AS NECESSARY.
- ENGINEERING DIVISION TO BE CONTACTED NO LESS THAN 48 HOURS IN ADVANCE TO INSPECT EROSION CONTROL MEASURES. DRAINAGE BEFORE BACKFILLING, BEFORE AND AFTER PAVING OF ROADS AND PARKING LOTS. FAILURE TO OBTAIN ENGINEERING INSPECTIONS DURING THE CONSTRUCTION PROCESS WILL EITHER DELAY FINAL APPROVAL OR INCUR SUBSTANTIAL COSTS TO THE APPLICANT TO EXPOSE INSTALLED COMPONENTS IN ORDER TO OBTAIN APPROVAL.



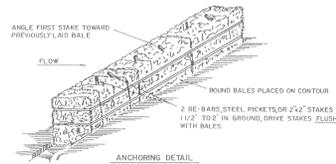
**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS. TWENTY-FOUR (24) FOOT IF SINGLE ENTRANCE TO SITE.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY - ALL SEDIMENT, SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

**STABILIZED CONSTRUCTION ENTRANCE DETAIL**

NO SCALE

TAKEN FROM NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL - OCTOBER 1991 (3RD PRINTING)



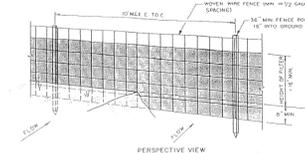
**CONSTRUCTION SPECIFICATIONS**

- BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ADJUTING THE ADJACENT BALES.
- EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE SIDINGS ARE HORIZONTAL.
- BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR REBARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAIN BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
- INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPREDE STORM FLOW OR DRAINAGE.

**STRAW BALE DIKE DETAIL**

NO SCALE

TAKEN FROM NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL - OCTOBER 1991 (3RD PRINTING)



**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BOUGIES" DEVELOP ON THE SILT FENCE.

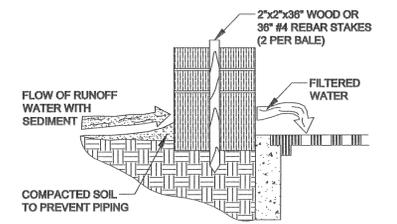
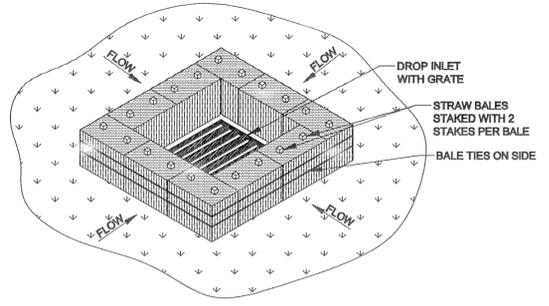
**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

- POSTS: STEEL EITHER 1" OR 1 1/2" TYPE OR 2" HARDWOOD
- FENCE: WOVEN WIRE, 1/2 GA. 6" MAX. MESH OPENING
- FILTER CLOTH: FILTER X, WOVEN 200L, STABILIZED, 1/2 GA. OR APPROVED EQUAL, PREFABRICATED UNIT, GEOTEX, ENVIRONMENT, OR APPROVED EQUAL.

**SILT FENCE DETAIL**

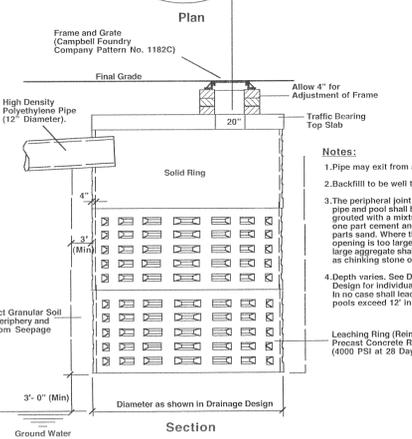
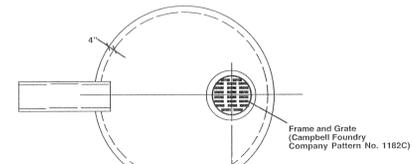
NO SCALE

TAKEN FROM NEW YORK GUIDELINES FOR URBAN EROSION AND SEDIMENT CONTROL - OCTOBER 1991 (3RD PRINTING)



**INLET PROTECTION DETAIL (FOR EROSION CONTROL)**

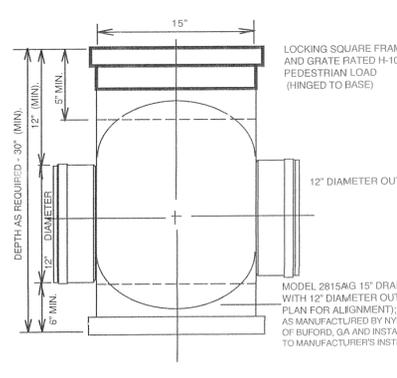
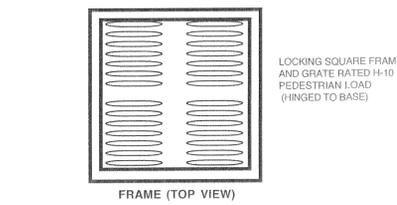
NO SCALE



**TYPICAL LEACHING CATCH BASIN DETAIL**

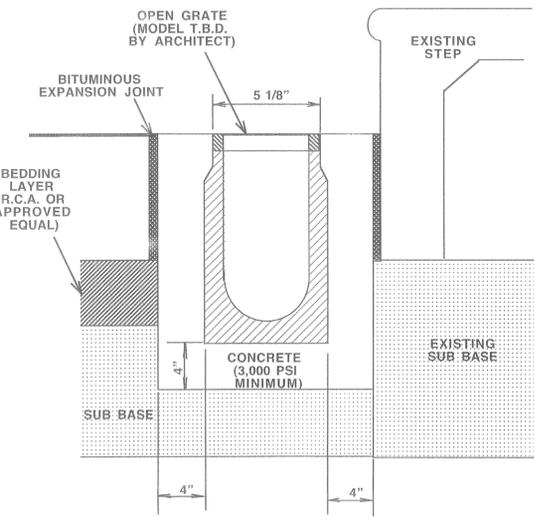
NO SCALE

NOTE: DRAINAGE PIPING FROM ROOF LEADER TO LEACHING POOLS SHALL BE 6" DIAMETER FLEXIBLE, CORRUGATED POLYETHYLENE PIPE.



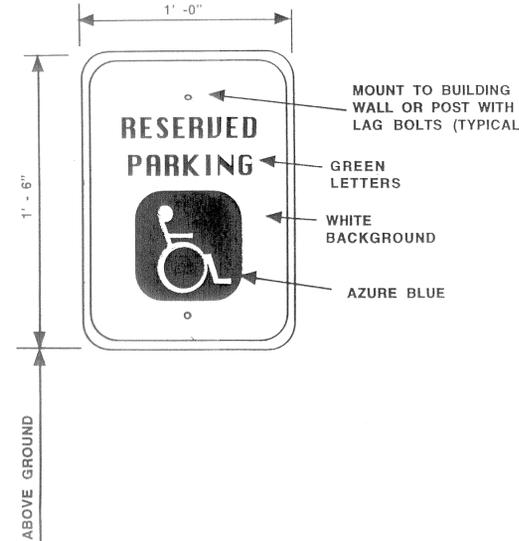
**NYLOPLAST DRAINAGE BASIN**

NO SCALE



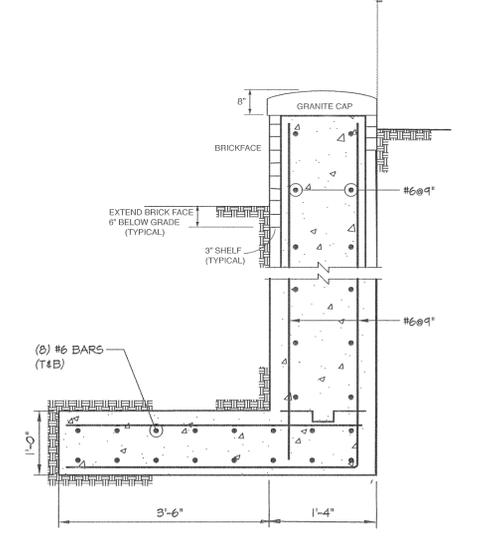
**TRENCH DRAIN DETAIL (ACO MODEL K100S)**

NO SCALE



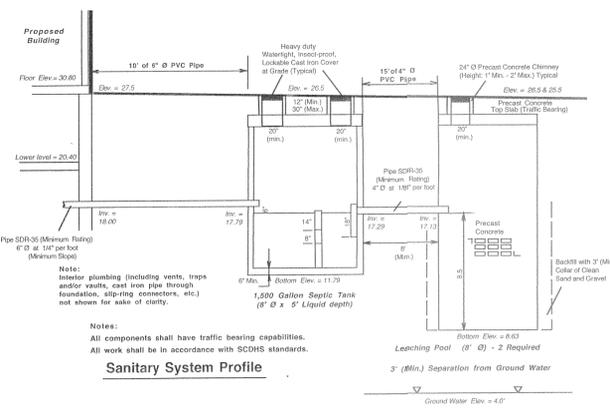
**HANDICAP PARKING SIGN**

NO SCALE



**CONCRETE RETAINING WALL (BRICK FACE) SECTION DETAIL**

NO SCALE



**Sanitary System Profile**

Notes: All components shall have traffic bearing capabilities. All work shall be in accordance with SCDS standards.

| DATE      | BY  | DESCRIPTION     | APPROV |
|-----------|-----|-----------------|--------|
| 24-SEP-10 | JL  | DEIS SUBMISSION | VAG    |
| 16-AUG-10 | WFS | DEIS SUBMISSION | VAG    |
| 07-JUL-10 | JL  | DEIS SUBMISSION | VAG    |
| 08-FEB-10 | LMO | ADD DETAILS     | VAG    |

**JOHN JERMAIN MEMORIAL LIBRARY BUILDING EXPANSION PROJECT**

JOHN JERMAIN MEMORIAL LIBRARY  
201 MAIN STREET, SAG HARBOR, N.Y. 11963

**DETAILS**

| DESIGNED BY: | VAG | SCALE:    | AS NOTED      | DWG. NO.: |
|--------------|-----|-----------|---------------|-----------|
| DRAWN BY:    | WFB | DATE:     | OCT. 22, 2009 | C4.00     |
| APPROVED BY: | VAG | FILE NO.: | 286           |           |