TOWN OF BRUNSWICK, MAINE

INCORPORATED 1739

DEPARTMENT OF PLANNING AND DEVELOPMENT
28 FEDERAL STREET
BRUNSWICK, ME 04011

ANNA M. BREINICH, AICP
DIRECTOR OF PLANNING & DEVELOPMENT

PHONE: 207-725-6660
FAX: 207-725-6663

VILLAGE REVIEW BOARD
AGENDA
BRUNSWICK STATION
16 STATION AVENUE, ROOM 217
Thursday, March 14, 2013
7:15 P.M.

1. **Case #13-003 – Unitarian Universalist Church of Brunswick –** The Board will review and provide a recommendation regarding an application to demolish a 2-story office building located at 5 Middle Street and review and take action on the proposed design of a new church, to be located at 15 Pleasant Street and 5 Middle Street (Tax Map U13, Lots 73 & 74).

2. **Discussion regarding National Historic Preservation Month activities.**

3. **Staff Approvals: None since last meeting.**

4. **Minutes**

5. **Other Business**

Village Review Board meetings are open to the public. Please call the Brunswick Department of Planning and Development (725-6660) with questions or comments. This meeting is televised.

Received: _____
By: _____

VRB Case #: 13-003

REC'D 2/21/13

VILLAGE REVIEW BOARD
CERTIFICATE OF APPROPRIATENESS
APPLICATION

1. Project Applicant:

Name: Smith Reuter Lull Architects
Address: Noel Smith
179 Lisbon St.
Lewiston, ME 04240
Phone Number: 786-5623

2. Project Property Owner:

Name: UU Church Brunswick
Address: 15 Pleasant St.
Brunswick, ME
Phone Number: 729-8515

3. Authorized Representative: (If Different Than Applicant)

Name: _____
Address: _____
_____
Phone Number: _____

4. Physical Location of Property Being Affected:

Address: 15 Pleasant St.

5. Tax Assessor's Map # U-13 Lot # 73 & 74 of subject property.

6. Underlying Zoning District TC 1

7. Describe the Location and Nature of the Proposed Change, including a brief description of the proposed construction, reconstruction, alteration, demolition, proposed re-use, or other change. (use separate sheet if necessary):

This is a re-submittal of this project due to changes necessary to meet the owner's budget restrictions. A full description of the project history is included elsewhere in this full application. The design team feels that the new design actually relates better to adjoining structures, especially the Brunswick Library, than the previous design. Although the overall use of materials and pallet are the same (wood shingle siding and wood trim, ribbed metal roofing) the forms and use of the metal in particular relate closely to the library. And the general massing with the Iconic portion fronting Pleasant Street and support facilities trailing behind, do as well. We believe the new Unitarian Universalist Church of Brunswick will take its place easily among the other churches on Pleasant Street and elsewhere in Brunswick.

Applicant's Signature _____

Attachment B
Right, Title, and Interest

A copy of the current deeds are included with this attachment. Also included is a copy of the Unitarian Universalist Church Of Brunswick incorporation certificate.

Church

Know all Men by these Presents

That UNITARIAN UNIVERSALIST ASSOCIATION

a corporation organized and existing under the laws of the ~~*State of*~~ Commonwealth of Massachusetts *and located at* Boston

in the County of Suffolk *and* ~~*State of*~~ Commonwealth of MA

in consideration of one dollar and other goods and valuable considerations

paid by UNITARIAN UNIVERSALIST CHURCH OF BRUNSWICK, a religious society existing under the laws of the State of Maine, situated in Brunswick, County of Cumberland and State of Maine

the receipt whereof it *does hereby acknowledge, does hereby* remise, release, bargain, sell and convey, *and forever* quit-claim *unto the said* UNITARIAN UNIVERSALIST CHURCH OF BRUNSWICK,

its successors ~~*heirs*~~ *and assigns forever,*

A certain lot or parcel of land situated in the Town of Brunswick, County of Cumberland and State of Maine, bounded and described as follows, viz:

Commencing at an iron bolt in the south side of Pleasant Street (said bolt being the northwest corner of the Church lot) and running thence westerly sixty-nine (69') feet on the South line of Pleasant Street to a bolt at the corner of Pleasant and Middle Streets; thence southerly along the east side of Middle Street one hundred sixty-two and sixty-five one hundredths (162.65') feet to a stake; thence easterly and parallel with Pleasant Street, sixty nine (69') feet to a stake; thence northerly and parallel with Middle Street one hundred sixty two and sixty-five one hundredths (162.65') feet to the bound first named; the same containing twenty-six one hundredths (.26) of an acre and being Lot Number 2 on George L. Bose, Plan of May 25, 1881.

Reference is hereby made to Book 6140, Page 180.

The purpose of this deed is to release whatever rights the Grantor herein may have under the terms, conditions, reservations, provisions and restrictions set forth in deed of Unitarian Universalist Association to Unitarian Universalist Church of Brunswick dated March 18, 1983 and recorded in the Cumberland County Registry of Deeds in Book 6140, Page 182.

Further reference is made to Book 6140, Page 179 and Book 6140, Page 180.

Instr 46575 Bk 9715 Pg 199

R.C. THEBERGE, GENERAL CONTRACTING, INC., a Maine corporation, with its registered office in Brunswick, in the County of Cumberland

~~xx~~ and State of Maine,

~~(being unmarried)~~, for consideration paid,

grant to UNITARIAN UNIVERSALIST CHURCH OF BRUNSWICK, a religious corporation, located in Brunswick, in the County of Cumberland and State of Maine,

with **Warranty Covenants**

the land in Brunswick, Cumberland County, State of Maine.

MAINE REAL ESTATE TAX PAID

7605/5

A certain lot or parcel of land with the buildings thereon, situate on the easterly side of Middle Street in Brunswick, County of Cumberland and State of Maine, and being the southerly half of the dwelling house there being, together with the lot of land on which said house stands, bounded and described as follows:

South Half.

Beginning on the easterly line of said street, at a point center of said house easterly to land now or formerly of Wilfred H. Thibault; thence southerly by said Thibault's land to land now or formerly of Joseph Paquette; thence westerly by said Paquette's northerly line to said street; thence northerly by said street to the point of beginning.

Being the same premises conveyed to the Grantor herein by deed of Peter W. Clark and Dana F. Clark, dated September 2, 1986 and recorded in the Cumberland County Registry of Deeds in Book 7379, at Page 280.

Recorded
Cumberland County
Registry of Deeds
09/17/91 10:46:27AM
Robert P. Titcomb
Register

IN WITNESS WHEREOF, R.C. THEBERGE, GENERAL CONTRACTING, INC. has caused this instrument to be signed in its corporate name, by ROBERT C. THEBERGE, its President and Treasurer, thereunto duly authorized,

~~wife of said grantor, joins as grantor and releases all rights by descent and all other rights.~~

~~Witness hand and seal~~ this 13th day of September, 1991.

SEAL

R.C. THEBERGE, GENERAL CONTRACTING, INC.

[signature] By: [signature]
Robert C. Theberge, President/Treas.

The State of Maine CUMBERLAND ss. September 13th 1991

Then personally appeared the above named ROBERT C. THEBERGE, President and Treasurer of R.C. THEBERGE, GENERAL CONTRACTING, INC.

and acknowledged the foregoing instrument to be his free act and deed, in his said capacity and the free act and deed of said Grantor corporation.

SEAL

Before me, [signature]
Justice of the Peace - Attorney at Law - Notary Public

MY COMMISSION EXPIRES OCTOBER 5, 1993

1201 S WARRANTY DEED

Instr 46575 Bk 9715 Pg 199

Pennell House

R.C. THEBERGE, GENERAL CONTRACTING, INC., a Maine corporation, with its registered office in Brunswick, in the County of Cumberland

xxxx and State of Maine,

x~~(being married)~~, for consideration paid,

grant to UNITARIAN UNIVERSALIST CHURCH OF BRUNSWICK, a religious corporation, located in Brunswick, in the County of Cumberland and State of Maine,

xxx

with **Warranty Covenants**

the land in Brunswick, Cumberland County, State of Maine.

MAINE REAL ESTATE TAX PAID 763.15

A certain lot or parcel of land with the buildings thereon, situate on the easterly side of Middle Street in Brunswick, County of Cumberland and State of Maine, and being the southerly half of the dwelling house there being, together with the lot of land on which said house stands, bounded and described as follows:

Beginning on the easterly line of said street, at a point center of said house easterly to land now or formerly of Wilfred H. Thibault; thence southerly by said Thibault's land to land now or formerly of Joseph Paquette; thence westerly by said Paquette's northerly line to said street; thence northerly by said street to the point of beginning.

Being the same premises conveyed to the Grantor herein by deed of Peter W. Clark and Dana F. Clark, dated September 2, 1986 and recorded in the Cumberland County Registry of Deeds in Book 7379, at Page 280.

Recorded
Cumberland County
Registry of Deeds
09/17/91 10:46:27AM
Robert P. Titcomb
Register

IN WITNESS WHEREOF, R.C. THEBERGE, GENERAL CONTRACTING, INC. has caused this instrument to be signed in its corporate name, by ROBERT C. THEBERGE, its President and Treasurer, thereunto duly authorized,

~~joins as grantor and releases all rights by descent and all other rights.~~ ~~wife of said grantor,~~

~~Witness~~ ~~hand and seal~~ this 13th day of September, 1991 SEAL

R.C. THEBERGE, GENERAL CONTRACTING, INC.

By: Robert C. Theberge

Robert C. Theberge, President/Treas.

The State of Maine CUMBERLAND ss. September 13th 1991

Then personally appeared the above named ROBERT C. THEBERGE, President and Treasurer of R.C. THEBERGE, GENERAL CONTRACTING, INC.

and acknowledged the foregoing instrument to be his free act and deed, in his said capacity and the free act and deed of said Grantor corporation.

SEAL

Before me,

Justice of the Peace - Attorney at Law - Notary Public

MY COMMISSION EXPIRES OCTOBER 6, 1993

1201 S WARRANTY DEED

038649

We, HENRY M. BARIBEAU and ELIZABETH H. BARIBEAU,
of Brunswick, County of Cumberland and State of Maine,
(~~being xxxxxxxx~~), for consideration paid,
grant to UNITARIAN UNIVERSALIST CHURCH OF BRUNSWICK, A Maine Corporation having a place of business in Brunswick, County of Cumberland and State of Maine,

with Warranty Covenants
the land in Brunswick, Cumberland County, State of Maine.

Pennell House

North half

A certain lot or parcel of land, with the buildings thereon, situated in Brunswick, County of Cumberland and State of Maine, conveyed by Clarence L. Hitchcock to William S. Harrington by Warranty Deed dated April 24, 1928, recorded in Cumberland County Registry of Deeds in Book 1290, Page 239, and in said Deed bounded and described as follows:

"A certain lot or parcel of land, with the buildings thereon, situated on the easterly side of Middle Street, so-called, in said Brunswick, being the northerly half of the dwelling house there being, together with the land on which it stands, bounded as follows:

BEGINNING on the easterly line of said Middle Street, at a point opposite the center of said dwelling house and running easterly, on a line through the center of said house, to land of Wilfred H. Thibault; thence northerly by last named land to land of the Universalist Church; thence by last named land to said Middle Street, and thence by said street, southerly to the place of beginning, together with a right of way, on the land lying southerly of said dwelling house from said street to a proposed garage to be erected by the grantee herein and Frank W. Grover, to be used in commmon with said Grover."

Being the same premises conveyed to the Grantors herein by deed of Alcide Thibeault and Yvonne St. Pierre dated June 20, 1984 and recorded in the Cumberland County Registry of Deeds in Book 6482 at Page 42.

MAINE REAL ESTATE TRANSFER TAX PAID

RECEIVED
RECORDED REGISTRY OF DEEDS
1988 AUG -8 PM 2:43
CUMBERLAND COUNTY

~~wife of said grantor,~~
joins as grantor and releases all rights by descent and all other rights.

Witness our hand s and seals this 1st day of August 1988

Debora E. Steen — Henry M. Baribeau
Peggy A. Hurlod — Elizabeth H. Baribeau
Elizabeth H. Baribeau

The State of Maine, Cumberland ss. August 1, 1988

Then personally appeared the above named

HENRY M. BARIBEAU and ELIZABETH H. BARIBEAU

SEAL

and acknowledged the foregoing instrument to be their free act and deed,

Before me, Debora E. Steen
~~Justice of the Peace Attorney at Law~~ Notary Public
Debora E. Steen
My commission expires: 11/6/93

1201 S WARRANTY DEED

038649

We, HENRY M. BARIBEAU and ELIZABETH H. BARIBEAU,
of Brunswick, County of Cumberland and State of Maine,
(~~being unmarried~~), for consideration paid,
grant to UNITARIAN UNIVERSALIST CHURCH OF BRUNSWICK, A Maine Corporation having a place of business in Brunswick, County of Cumberland and State of Maine,

with Warranty Covenants
the land in Brunswick, Cumberland County, State of Maine.

A certain lot or parcel of land, with the buildings thereon, situated in Brunswick, County of Cumberland and State of Maine, conveyed by Clarence L. Hitchcock to William S. Harrington by Warranty Deed dated April 24, 1928, recorded in Cumberland County Registry of Deeds in Book 1290, Page 239, and in said Deed bounded and described as follows:

"A certain lot or parcel of land, with the buildings thereon, situated on the easterly side of Middle Street, so-called, in said Brunswick, being the northerly half of the dwelling house there being, together with the land on which it stands, bounded as follows:

BEGINNING on the easterly line of said Middle Street, at a point opposite the center of said dwelling house and running easterly, on a line through the center of said house, to land of Wilfred H. Thibault; thence northerly by last named land to land of the Universalist Church; thence by last named land to said Middle Street, and thence by said street, southerly to the place of beginning, together with a right of way, on the land lying southerly of said dwelling house from said street to a proposed garage to be erected by the grantee herein and Frank W. Grover, to be used in commmon with said Grover."

Being the same premises conveyed to the Grantors herein by deed of Alcide Thibeault and Yvonne St. Pierre dated June 20, 1984 and recorded in the Cumberland County Registry of Deeds in Book 6482 at Page 42.

MAINE REAL ESTATE TRANS.

CUMBERLAND COUNTY

RECEIVED
RECORDED REGISTRY OF DEEDS
1988 AUG -8 PM 2:43

~~wife of said grantor~~
joins as grantor and releases all rights by descent and all other rights.

Witness our hand s and seals this 1st day of August 1988

Henry M. Baribeau
Elizabeth H. Baribeau

The State of Maine, Cumberland ss. August 1, 1988

Then personally appeared the above named

HENRY M. BARIBEAU and ELIZABETH H. BARIBEAU

SEAL

and acknowledged the foregoing instrument to be their free act and deed,

Before me, Debora E. Steen
~~Justice of the Peace Attorney at Law~~ Notary Public
Debora E. Steen
My commission expires: 11/6/93

1201 S WARRANTY DEED

Attachment C
Abutting Property Owners

A list of abutting property owners is included in this attachment for reference.

ABUTTING PROPERTY OWNERS

MAP-U13 LOT-52
TERRACE-PLEASANT PLACE LLC
C/O MARGARET GORTON
215 W 90TH ST
APT 14G
NEW YORK, NY 10024

MAP-U13 LOT-53
BOULAY PROPERTIES LLC
32 FEDERAL ST
BRUNSWICK, ME 04011

MAP-U13 LOT-54
TREWORGY FAMILY LIMITED LIABILITY
COMPANY
62 FEDERAL STREET
BRUNSWICK, ME 04011

MAP-U13 LOT-72
PLEASANT (13) ST LLC
13 PLEASANT ST
BRUNSWICK, ME 04011

MAP-U13 LOT-76
OUELLETTE, BEVERLY A
14 EVERETT ST
BRUNSWICK, ME 04011

MAP-U13 LOT-104
BRUNSWICK, TOWN OF
CAPTAIN JOHN CURTIS MEM LIB
23 PLEASANT ST
BRUNSWICK, ME 04011

Attachment D
Supporting Documents

Copies of relevant correspondence and documents pertaining to the project are enclosed.

State of Maine

Department of the Secretary of State

I, the Secretary of State of Maine, certify that according to the provisions of the Constitution and Laws of the State of Maine, the Department of the Secretary of State is the legal custodian of the Great Seal of the State of Maine which is hereunto affixed and that the paper to which this is attached is a true copy from the records of this Department.

In testimony whereof, I have caused the Great Seal of the State of Maine to be hereunto affixed. Given under my hand at Augusta, Maine, this twenty-first day of February 2013.

Matthew Dunlap
Secretary of State

Additional Addresses

Legal Name	Title	Name	Charter #	Status
UNITARIAN UNIVERSALIST CHURCH OF BRUNSWICK	Registered Agent		20060119ND	GOOD STANDING
Home Office Address (of foreign entity)	**Other Mailing Address**		**Address in Maine**	

Brunswick Sewer District
10 PINE TREE ROAD
BRUNSWICK, MAINE 04011
TELEPHONE (207) 729-0148 bsd@brunswicksewer.org FAX (207) 729-0149

March 21, 2012

Sitelines, PA
8 Cumberland Street
Brunswick, Maine 04011

Attn: Joseph J. Marden, P.E.

Re: Unitarian Universalist Church of Brunswick - Ability to Serve
15 Pleasant Street/5 Middle Street
Brunswick, Maine

Subj: Willingness and Capacity to Serve

Dear Joseph:

This is to acknowledge receipt of your request of March 16, 2012 requesting a confirmation of the District's willingness and capacity to serve the above referenced project.

It our understanding the developer proposes to construct a 7,895 SF Church in place of an existing church that was destroyed due to an electrical fire. The project's average daily flow (ADF) is anticipated to be the same as the flows from the previous church.

We have reviewed the material provided and conclude that the project as proposed will not adversely affect facilities of the District. We can state for this reason that the necessary willingness and capacity to serve the project exists throughout all affected components of the District's system.

We would point out here that it will be necessary for the project to secure from the District an entrance permit. That permit will be issued on receipt of application by the project and following our review of construction details proposed. The project may be subject to the District's entrance charge program.

Upon review of the Site Layout and Utility Plan provided, I have the following comments:

1. Project sanitary sewer service line will be privately owned and maintained in accordance with provisions of District Rules & Regulations.

2. The project, prior to any sewer facility construction, will require a sanitary sewer entry permit to discharge to District facilities. Entrance charge, if any, is due upon issuance of permit.

3. All sewer-related construction will be performed to District standards.

Brunswick Sewer District
10 PINE TREE ROAD
BRUNSWICK, MAINE 04011
TELEPHONE (207) 729-0148 bsd@brunswicksewer.org FAX (207) 729-0149

4. All sanitary sewer construction will comply with provisions of the Maine State Plumbing Code.

5. Design and construction of project sanitary sewers will exclude all non-sanitary ground, surface, foundation drain, floor drain, and roof drain waters. Sump pump discharges are not allowed.

6. Horizontal clearance between utility infrastructures will be sufficient to allow future utility maintenance operations without disturbance to adjacent utility infrastructure.

If you have any questions or need additional information, please do not hesitate to contact us.

Sincerely,

BRUNSWICK SEWER DISTRICT

Robert A. Pontau Jr., PE
Assistant General Manager

CC: Leonard Blanchette, Brunswick Sewer District
Lisa True, Brunswick Sewer District
Wesley Wharff, Brunswick Sewer District
Kris Hultgren, Town Planner, Brunswick, Maine

Joseph Marden

From: Jamie Garland [jgarland@mainenaturalgas.com]
Sent: Monday, March 26, 2012 8:13 AM
To: jmarden@sitelinespa.com
Cc: Roy Lane
Subject: 15 Pleasant Street
Attachments: I__MNG MAPPING_Maps 2011_Working Maps_Brunswick-Topsham_Brunswicksheets_7087ASBUILT-brunswick Model (1).pdf

Joseph,

Attached you will find a copy of your record drawing for 15 Pleasant Street. We should be able to reuse the existing service line to the building, however we will need to review the required load prior to confirming this. Once you have this information if you could please forward it to MNG we can confirm the existing service will be adequate.

Jamie Garland

Maine Natural Gas

Gas Engineer
Office – 207-729-0420 ext 103
Cell – 207-729-2481

Confidentiality Warning: This e-mail contains information intended only for the use of the individual or entity named above. If the reader of this e-mail is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, any dissemination, publication or copying of this e-mail is strictly prohibited. The sender does not accept any responsibility for any loss, disruption or damage to your data or computer system that may occur while using data contained in, or transmitted with, this e-mail. If you have received this e-mail in error, please immediately notify us by return e-mail. Thank you.-

PLEASANT ST
NET
Pole 21
#18
#16
#22
#11
#13
#15
#7
13A
Pole 5.1
OFFICE
CURTIS
23 PLE
ST PAUL'S

March 16, 2012

1958-4

Mr. Eric Gagnon
Brunswick and Topsham Water District
PO Box 489
Topsham, ME 04086

RE: Water Service
Proposed Church Reconstruction
15 Pleasant Street & 5 Middle Street, Brunswick, Maine
Tax Map U-13 Lots 73 & 74

Dear Eric:

Enclosed please find a copy of the preliminary Site Utility Plan for the proposed reconstruction of the Unitarian Universalist Church of Brunswick to be located at the intersection of Pleasant and Middle Streets in Brunswick.

As part of the proposed development, the applicant intends to rebuild the church building previously located on the site that was recently demolished due to an electrical fire that badly damaged the structural integrity of the building. An existing two-story building located on-site will remain and will be integrated into the design of the new church building. In total, the new church building, with the existing two-story building, will have a footprint of 7,895 s.f. According to plans received from the water district there are two (2) ¾-inch water services currently serving the existing two-story building. These services are to remain as part of the development. Water service for the proposed church addition will be provided from a 2-inch domestic service and 6-inch fire service to be extended from the existing 12-inch main within Pleasant Street. The ¾-inch water service that was used for the previous church building will be abandoned. Although precise water demands are not available at this time, we anticipate they will be typical of similar size church uses in the area.

Please review the plan and provide any feedback you may have so we can incorporate your comments into the final design. We also request you provide a letter indicating the Brunswick and Topsham Water Districts' "Ability to Serve" the proposed project.

Should you have any questions, please call or contact me via jmarden@sitelinespa.com.

Very truly yours,

Joseph J. Marden, P.E.
Project Engineer

Enclosure

SITELINES, PA
ENGINEERS ▪ PLANNERS ▪ SURVEYORS ▪ LANDSCAPE ARCHITECTS
8 Cumberland Street ▪ Brunswick, ME 04011 ▪ TEL 207-725-1200 ▪ FAX 207-725-1114 ▪ www.sitelinespa.com

Joseph Marden

From: Ken Brillant [kbrillant@brunswickme.org]
Sent: Tuesday, April 17, 2012 2:08 PM
To: Joseph Marden
Subject: RE: 1958-UUCB Church Redevelopment

Joe,
DC Emerson and I both looked at it. Site wise seems fine. Jeff just wanted to make sure that the need for a sprinkler system is addressed.

Kenneth A. Brillant
Fire Chief
Brunswick Fire Dept.
21 Townhall Place
Brunswick, Maine 04011
(207) 725-5541 ext. 11

From: Joseph Marden [mailto:jmarden@sitelinespa.com]
Sent: Tuesday, April 17, 2012 12:09 PM
To: Ken Brillant
Subject: 1958-UUCB Church Redevelopment

Chief Brillant,

Per our conversation earlier today, attached is the Preliminary Site Plan for the redevelopment of the UUCB Church at the corner of Pleasant and Middle Streets in Brunswick. Architectural elevations are still being developed, but development will include a 7,720 s.f. single-story church building. The new church building will incorporate the existing two-story building located on-site. The building will be sprinklered and will be served by a 6" fire water service off the 12" water main located within Pleasant Street. There is a fire hydrant located on the library side of the intersection of Pleasant and Middle Streets. Please review the Site Plan and let me know any comments or questions you may have.

Thanks,

Joseph J. Marden, P.E.
Project Engineer
Sitelines PA
8 Cumberland Street
Brunswick, ME 04011
t (207) 725-1200 xt 12
f (207) 725-1114
www.sitelinespa.com

May 1, 2012

1958-2

Mr. Michael Heath
Chair, Board of Trustees
Unitarian Universalist Church of Brunswick
15 Pleasant Street
Brunswick, ME 04011

Re: Designation of Agent Authorization
Unitarian Universalist Church Redevelopment

Dear Mike:

As required by various approval agencies, please indicate by signing below that Sitelines, PA is authorized to act as agent for the Unitarian Universalist Church of Brunswick for the specific purpose of preparation and submission of local and state permitting applications on your behalf for the proposed Redevelopment of the church building at 15 Pleasant Street and 5 Middle Street in Brunswick, ME.

Sincerely,

Curtis Y. Neufeld, P.E.
Vice President

The undersigned hereby gives Sitelines, PA the authority to act as agent for Unitarian Universalist Church of Brunswick for the specific purpose of preparation and submission of local and state permitting applications for the project specifically identified above.

Michael Heath — May 1, 2012

Michael Heath, Chair, Board of Trustees — Date

SITELINES, PA
ENGINEERS ▪ PLANNERS ▪ SURVEYORS ▪ LANDSCAPE ARCHITECTS
8 Cumberland Street ▪ Brunswick, ME 04011 ▪ TEL 207-725-1200 ▪ FAX 207-725-1114 ▪ www.sitelinespa.com

TEMPORARY CONSTRUCTION EASEMENT

KNOW ALL PERSONS BY THESE PRESENTS, that Pleasant (13) St, LLC, its heirs, successors and assigns, hereinafter referred to as Grantor(s), does hereby grant to the Unitarian Universalist Church of Brunswick Maine, hereinafter referred to as Grantee, its successors and assigns, a Temporary Construction Easement over, under, and through the following described real estate, for the sum of One Dollar ($1.00) and/or other valuable consideration, the receipt of which is hereby acknowledged.

TO WIT:
A 10-foot wide strip of land parallel to the common property line extending from Pleasant Street the extent of the common boundary, with additional area for installation of a catch basin, as shown on the attached exhibit.

The above described temporary construction easement is to be used for locating, constructing, improving, grading, landscaping and other necessary work, including the operation of equipment, and the movement of a work force, over, upon and across the described easement, together with the right of ingress and egress.

The Grantee agrees to surrender possession of the premises upon the expiration of this temporary easement or any extension thereof, and to leave the premises in substantially the same or better condition than it was on the date this easement was executed. The Grantee shall incur all costs to restore the premises as noted. However, it is understood that minor grading changes may exist upon completion of the project.

This Temporary Easement shall commence upon the date it was executed and shall expire on _____, 2014.

This Agreement is binding upon the heirs, executors, administrators, successors and assigns of both parties and it is understood that this Agreement cannot be changed or altered in any way except by writing, legally signed by both parties concerned herewith.

TO THESE COVENANTS, the Grantor(s) does hereby consent and agree.

IN WITNESS WHEREOF, the parties above named have hereunto set their hands this day of _____, 2012.

GRANTOR

Printed Name: _____

_____

GRANTEE

Printed Name: _____

_____

ACKNOWLEDGMENT

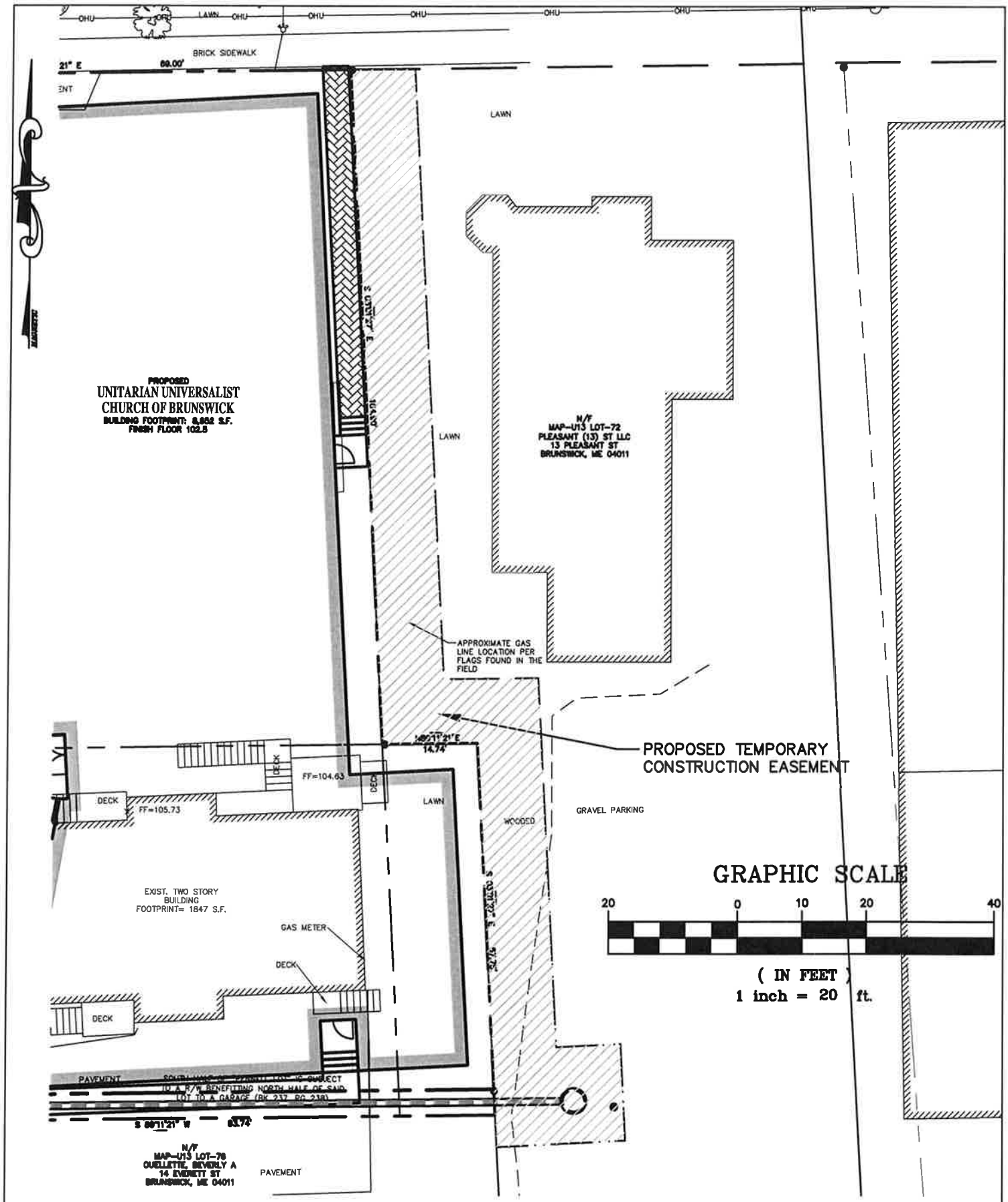
STATE OF MAINE)
) ss.
COUNTY OF CUMBERLAND)

BE IT REMEMBERED, that on this _____ day of _____, 2013, before me the undersigned, a Notary Public in and for said County and State came _____, who is known to me to be the same person who executed the within instrument of writing, and duly acknowledged the execution of same.

IN WITNESS WHEREOF, I have hereunto subscribed my name and affixed my official seal the day and year last above written.

_____
Notary Public

My appointment Expires: _____



SHEET: 1 OF 2

SITELINES
ENGINEERS PLANNERS
8 CUMBERLAND ST. BRUNSWICK, ME 04011
(207) 725-1200 FAX 725-1114

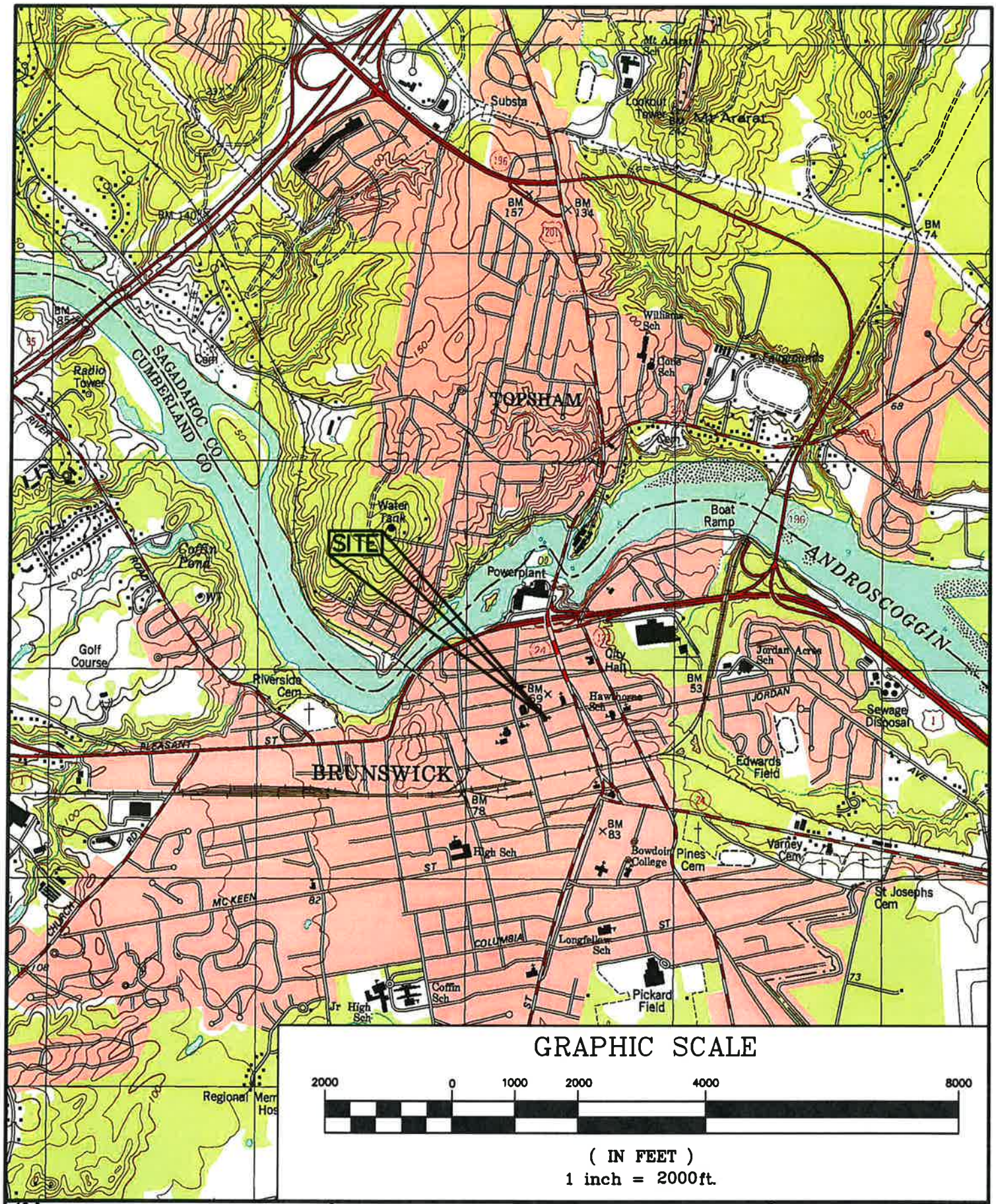
CONSTRUCTION EASEMENT EXHIBIT
UUCB RECONSTRUCTION PROJECT

BRUNSWICK, MAINE

DATE: 02-20-13
SCALE: 1" = 20'
JOB: 1958
FILE: 1958SITE

Attachment E
Supporting Graphics

This attachment includes supporting materials and graphics for the application. This includes an excerpt of the FEMA flood rate insurance map (FIRM) and reduced size copies of the zoning map and tax maps. An excerpt of the applicable USGS 7.5 minute quadrangle map is provided for reference.



GRAPHIC SCALE

2000 0 1000 2000 4000 8000

(IN FEET)
1 inch = 2000ft.

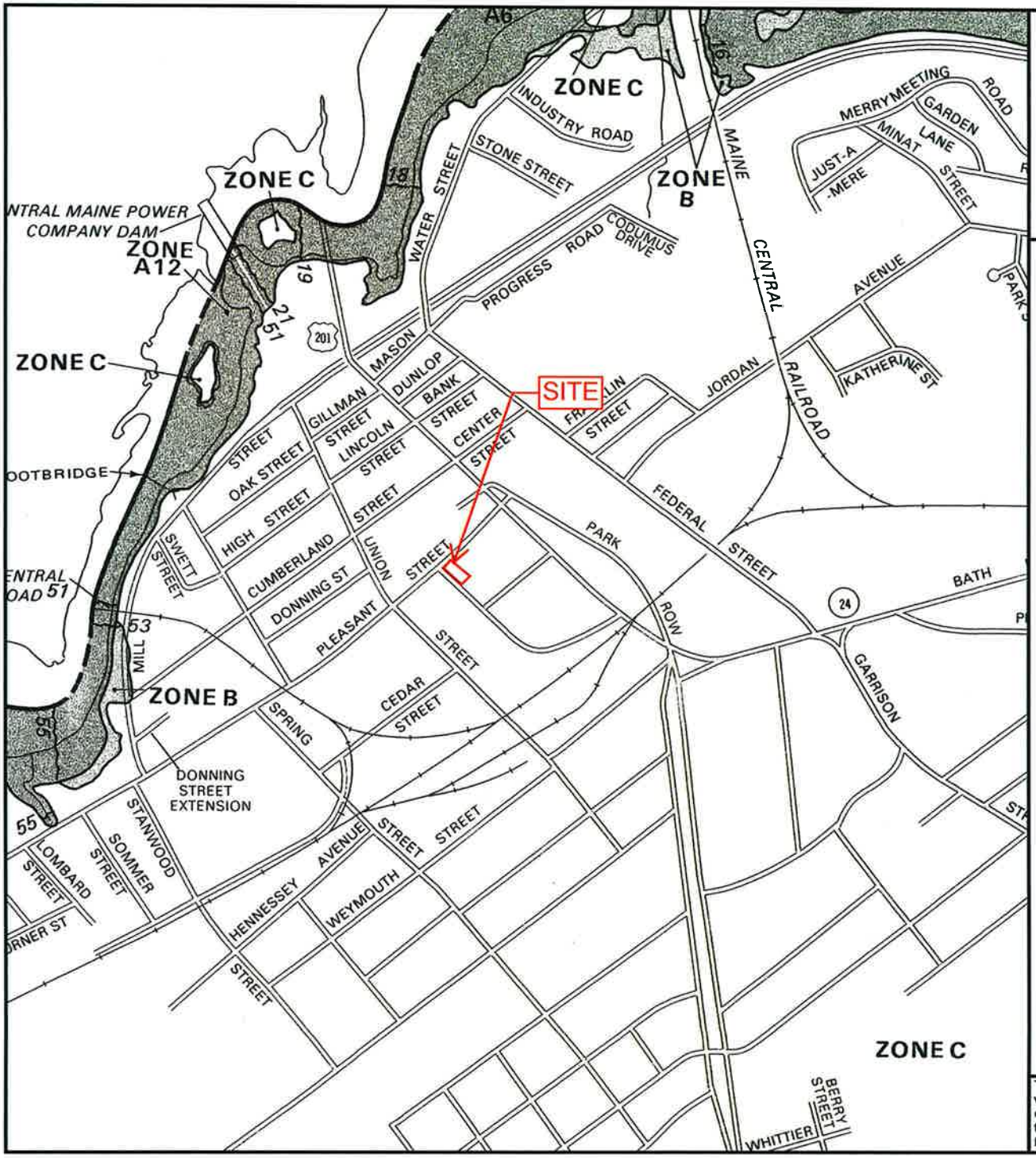
SHEET: 1 OF 1

SITELINES
ENGINEERS PLANNERS

8 CUMBERLAND ST. BRUNSWICK, ME 04011
(207) 725-1200 FAX 725-1114

USGS LOCATION MAP
UUCB CHURCH RECONSTRUCTION
BRUNSWICK, MAINE

DATE: 03/13/2012
SCALE: 1"=2000'
JOB: 1958
FILE: 1958-USGS



APPROXIMATE SCALE

1000 0 1000 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

TOWN OF
BRUNSWICK, MAINE
CUMBERLAND COUNTY

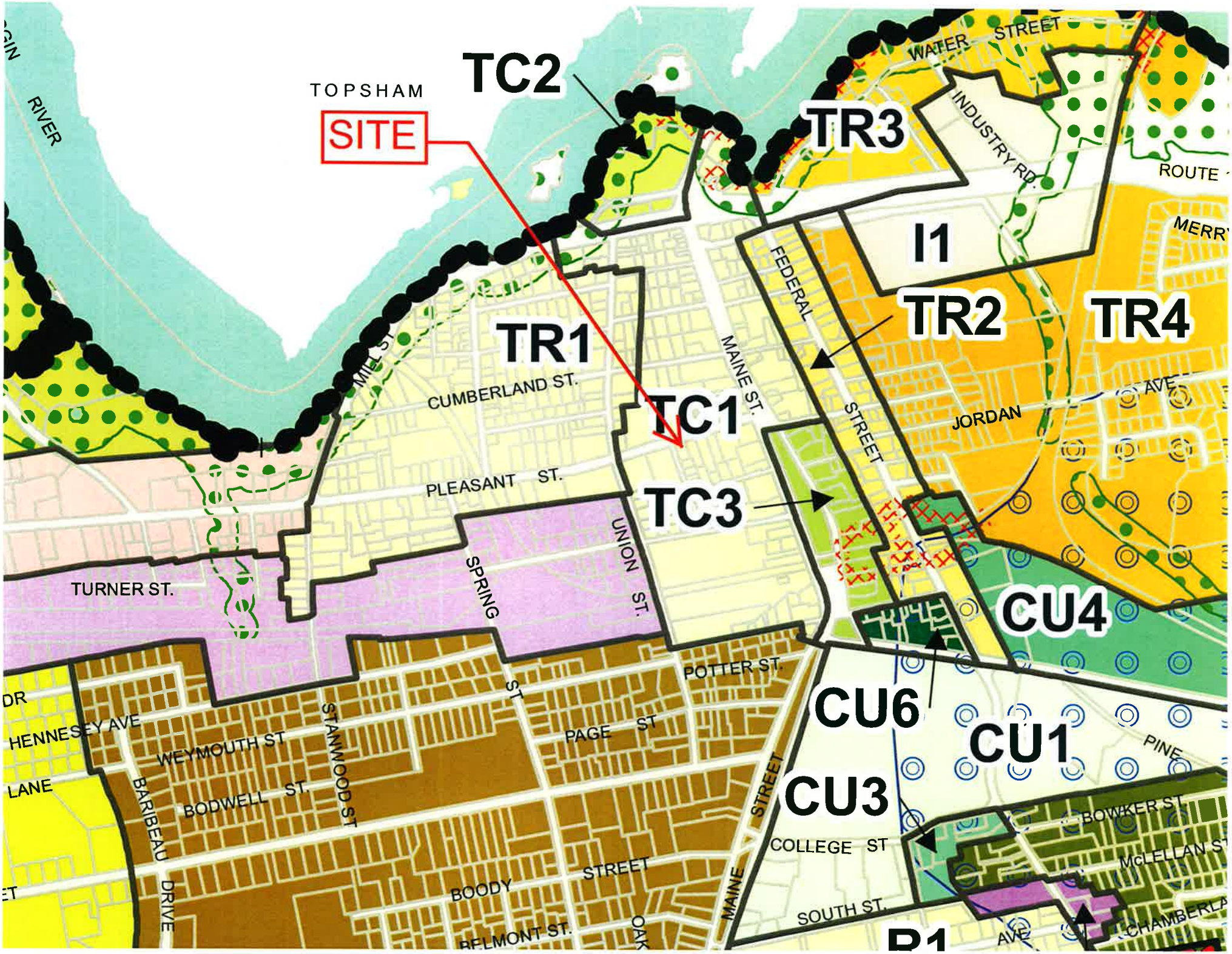
PANEL 15 OF 35
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
230042 0015 B

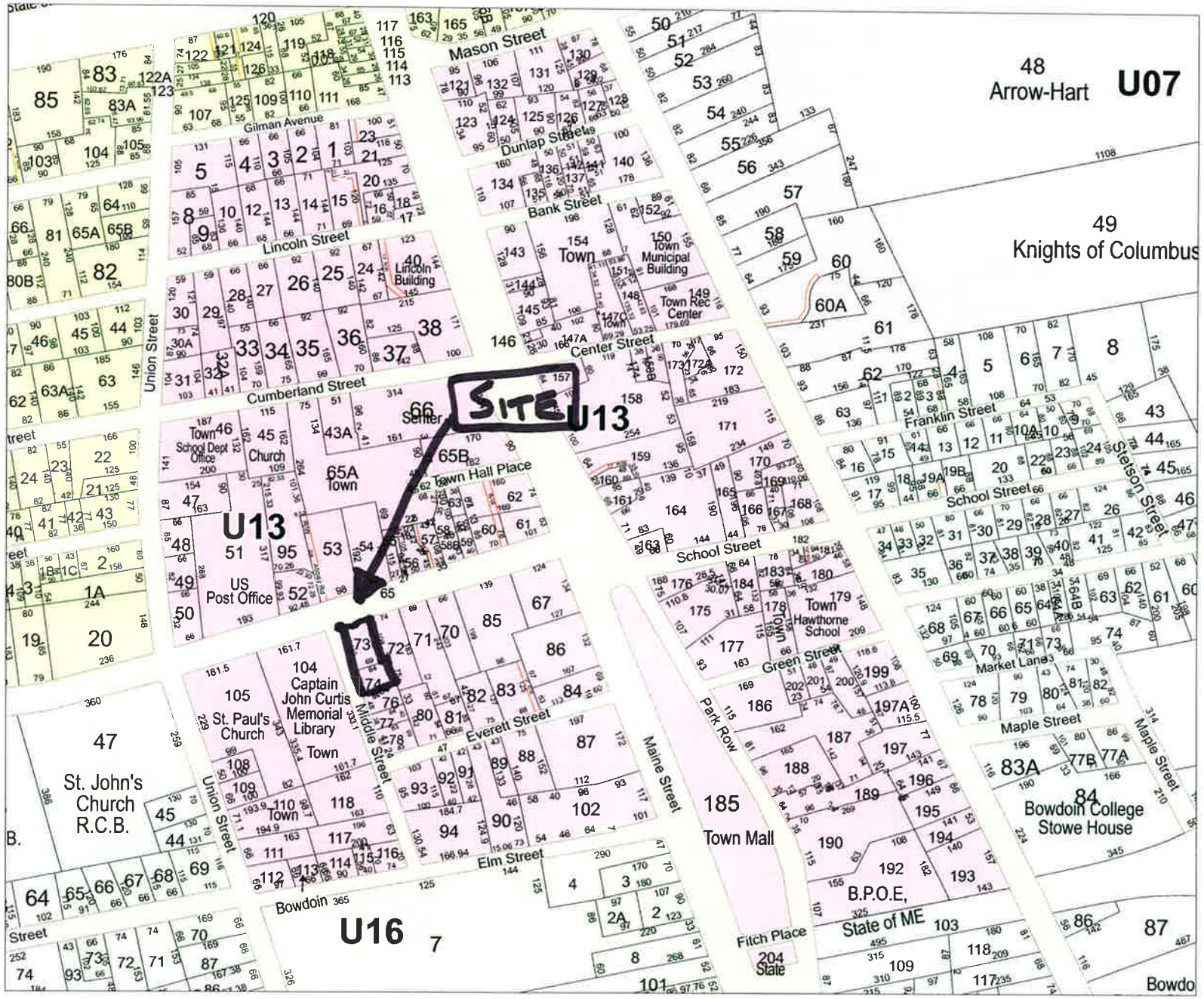
EFFECTIVE DATE:
JANUARY 3, 1986

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



TOPSHAM
SITE
TC2
TR3
WATER STREET
INDUSTRY RD.
ROUTE
MERRY
I1
TR2
TR4
FEDERAL
STREET
TR1
MILL ST
CUMBERLAND ST.
MAINE ST.
TC1
JORDAN
AVE
PLEASANT ST.
TC3
UNION ST.
SPRING
TURNER ST.
CU4
POTTER ST.
CU6
CU1
PINE
HENNESEY AVE
WEYMOUTH ST
STANWOOD ST
PAGE ST
LANE
BARIBEAU
BODWELL ST.
CU3
BOWKER ST.
COLLEGE ST
McLELLAN ST
DRIVE
BOODY
STREET
MAINE
SOUTH ST.
BELMONT ST.
AVE
CHAMBERLA
RIVER



Town of
BRUNSWICK
Maine

Legend

- Public Road
- Private Road
- ROW
- Water
- Hydrography Line
- ROW Property Access
- Other Road
- Town Boundary
- Other Lot Boundary

1 inch = 100 feet

Disclaimer:
The information is provided as a reasonably accurate point of reference, but is not guaranteed and is not to be used for conveyances
The Town of Brunswick shall not be held responsible for the accuracy or misuse of this data
Copyright Town of Brunswick

Revised To: April 1, 2010

Maps Prepared by:
Town of Brunswick

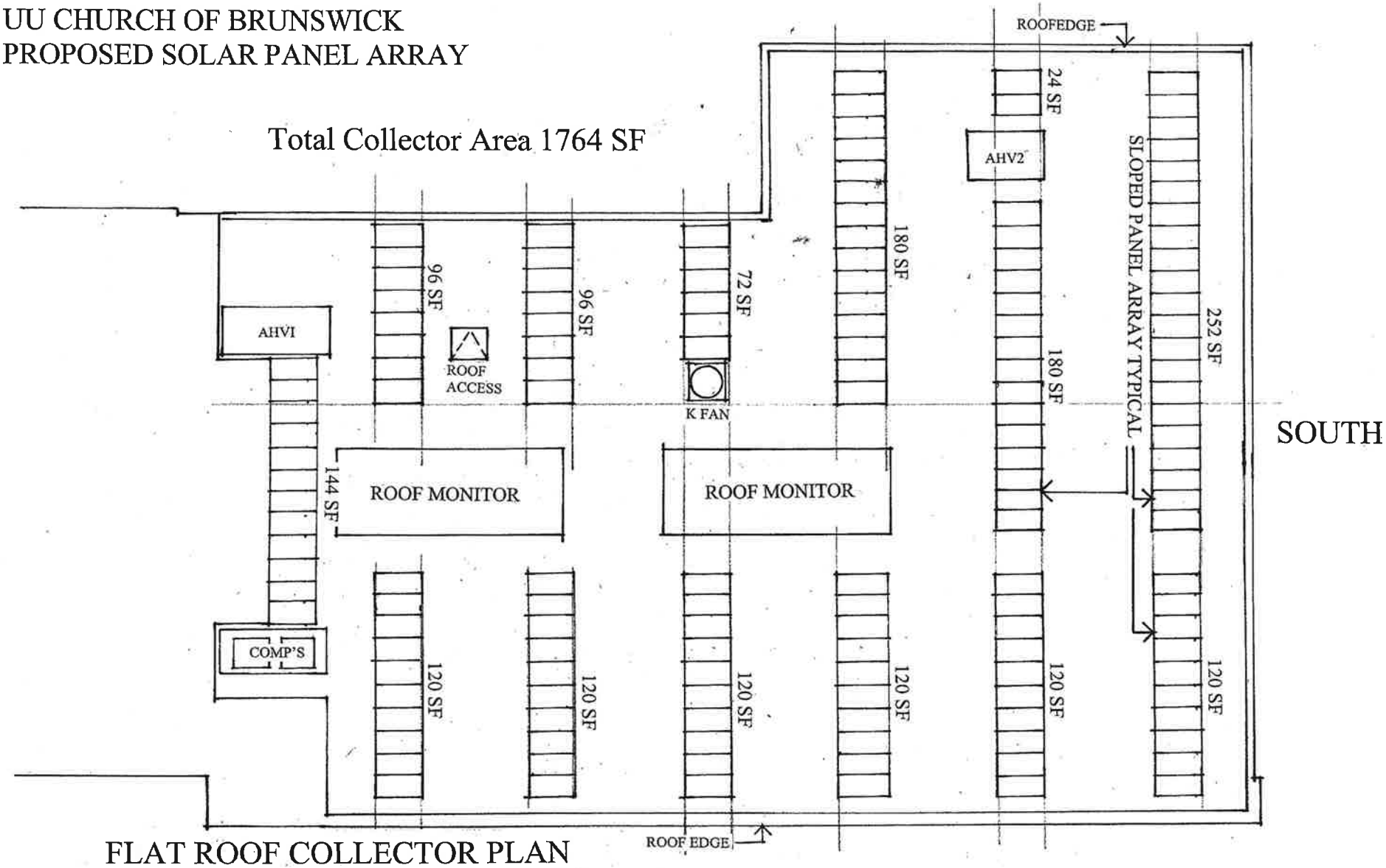
MAP
U-13

Attachment F
Floor Plan & Elevations

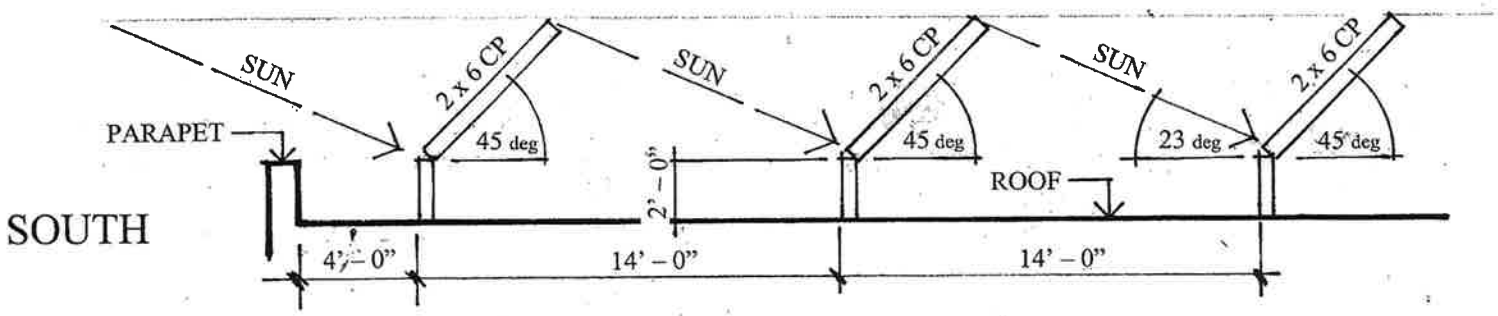
Architectural floor plans and elevations of the proposed good building are enclosed for reference.

UU CHURCH OF BRUNSWICK
PROPOSED SOLAR PANEL ARRAY

Total Collector Area 1764 SF

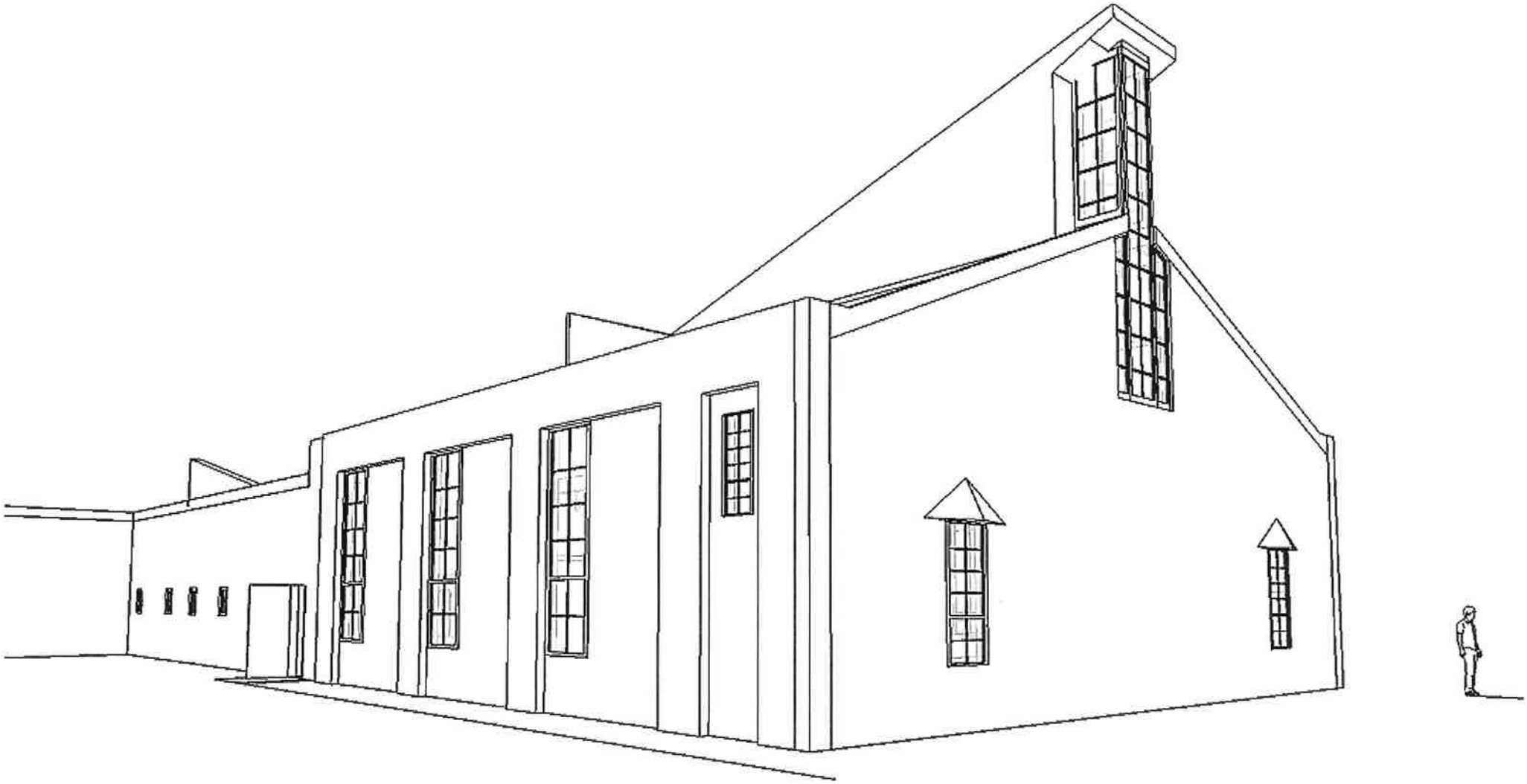


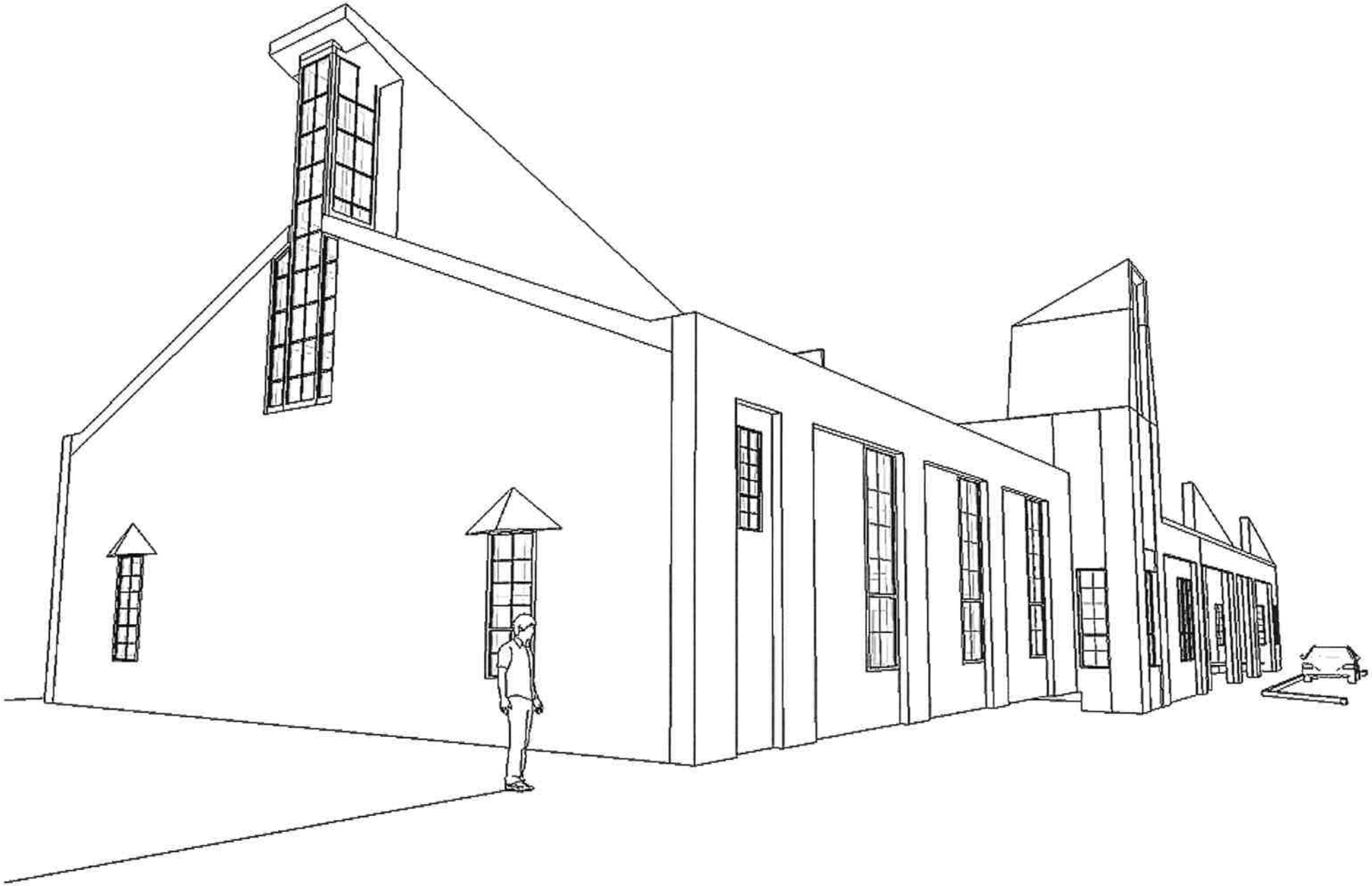
FLAT ROOF COLLECTOR PLAN

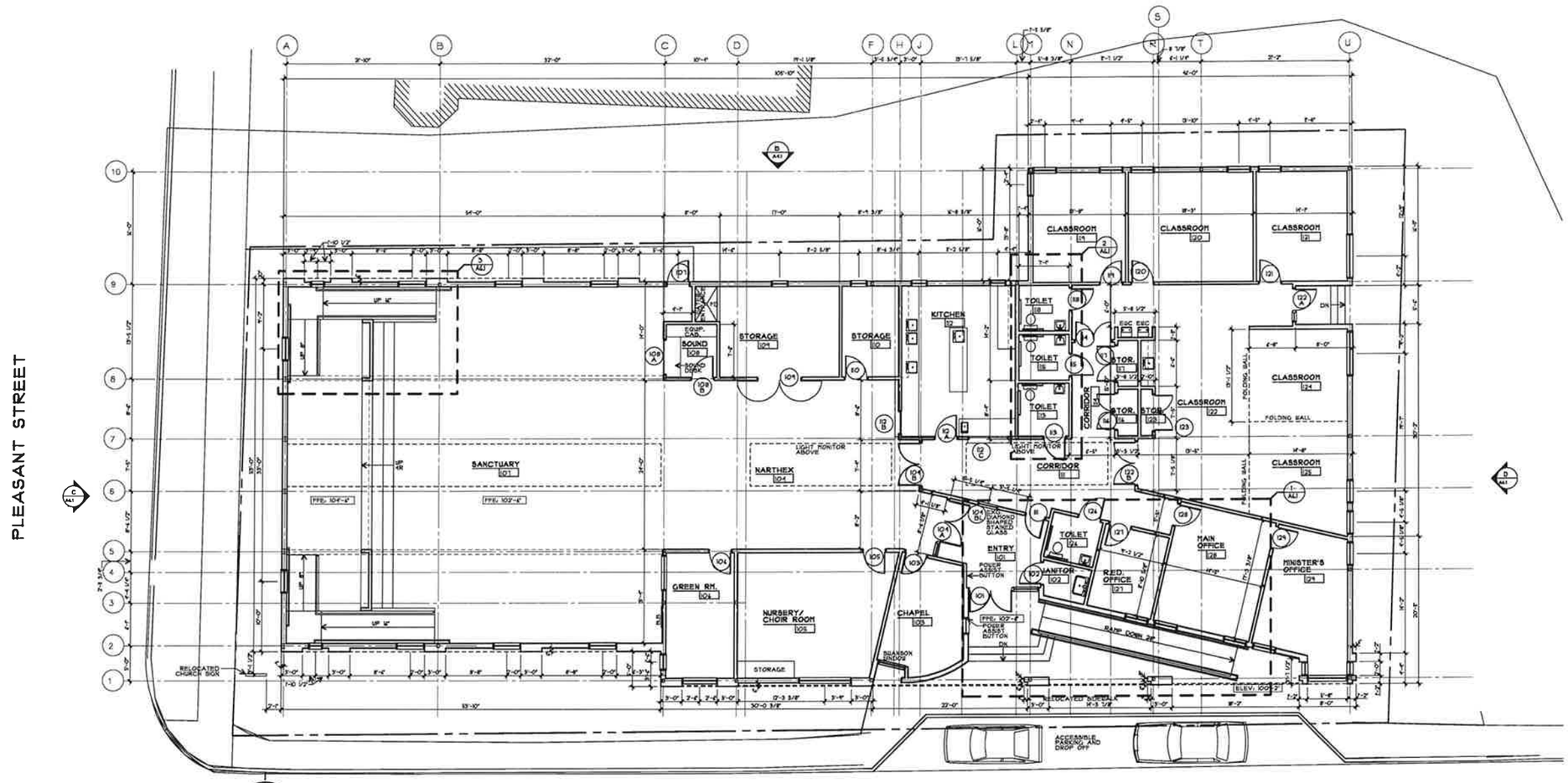


SLOPED PANEL LAYOUT BASIS

UU CHURCH OF BRUNSWICK
PROPOSED SOLAR PANEL ARRAY







FIRST FLOOR PLAN

8600 SQUARE FEET 1/8" = 1'-0"

GRAPHIC SCALE

0' 5' 10' 15' 20' 25'

GENERAL NOTE:
ALL BULLETIN BOARDS / D.D.J. ARE PROVIDED BY OWNER. GC TO COORDINATE LOCATION WITH OWNER AND PROVIDE BLOCKING

UU Church of Brunswick

15 PLEASANT STREET
BRUNSWICK, MAINE

SMITH REUTER LULL ARCHITECTS
LEWISTON BETHEL

179 Lisbon St.
Lewiston, ME 04240
207.786.5623 voice/fax

822 Grover Hill Rd.
Bethel, ME 04217
207.824.7237 voice/fax

info@smithreuter.com

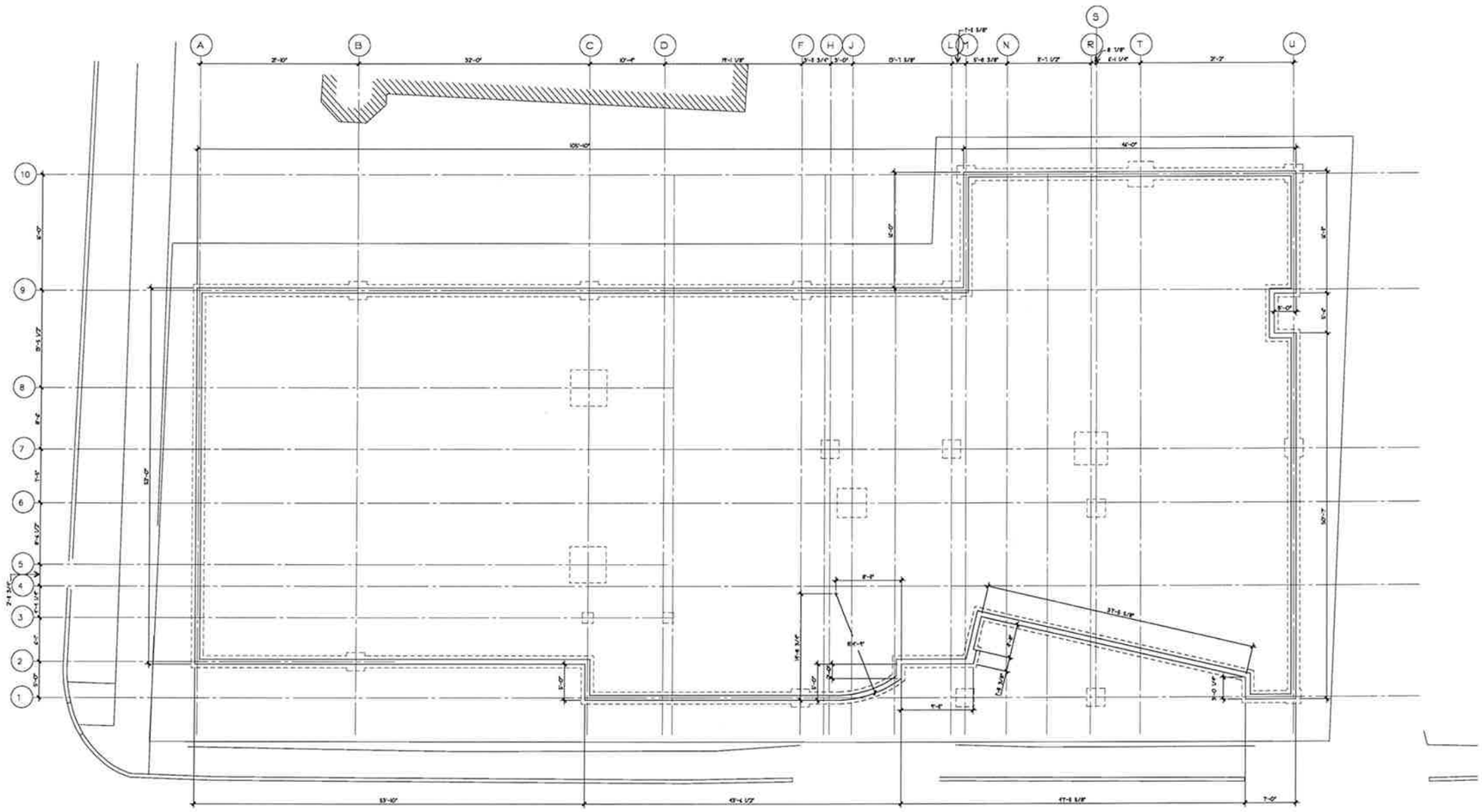
FIRST FLOOR PLAN

161-2

2/13/13

A1.2

WALL TYPES



FOUNDATION PLAN
1/8" = 1'-0"

GRAPHIC SCALE
0' 5' 10' 15' 20' 25'

UU Church of Brunswick

15 PLEASANT STREET
BRUNSWICK, MAINE

SMITH REUTER LULL ARCHITECTS
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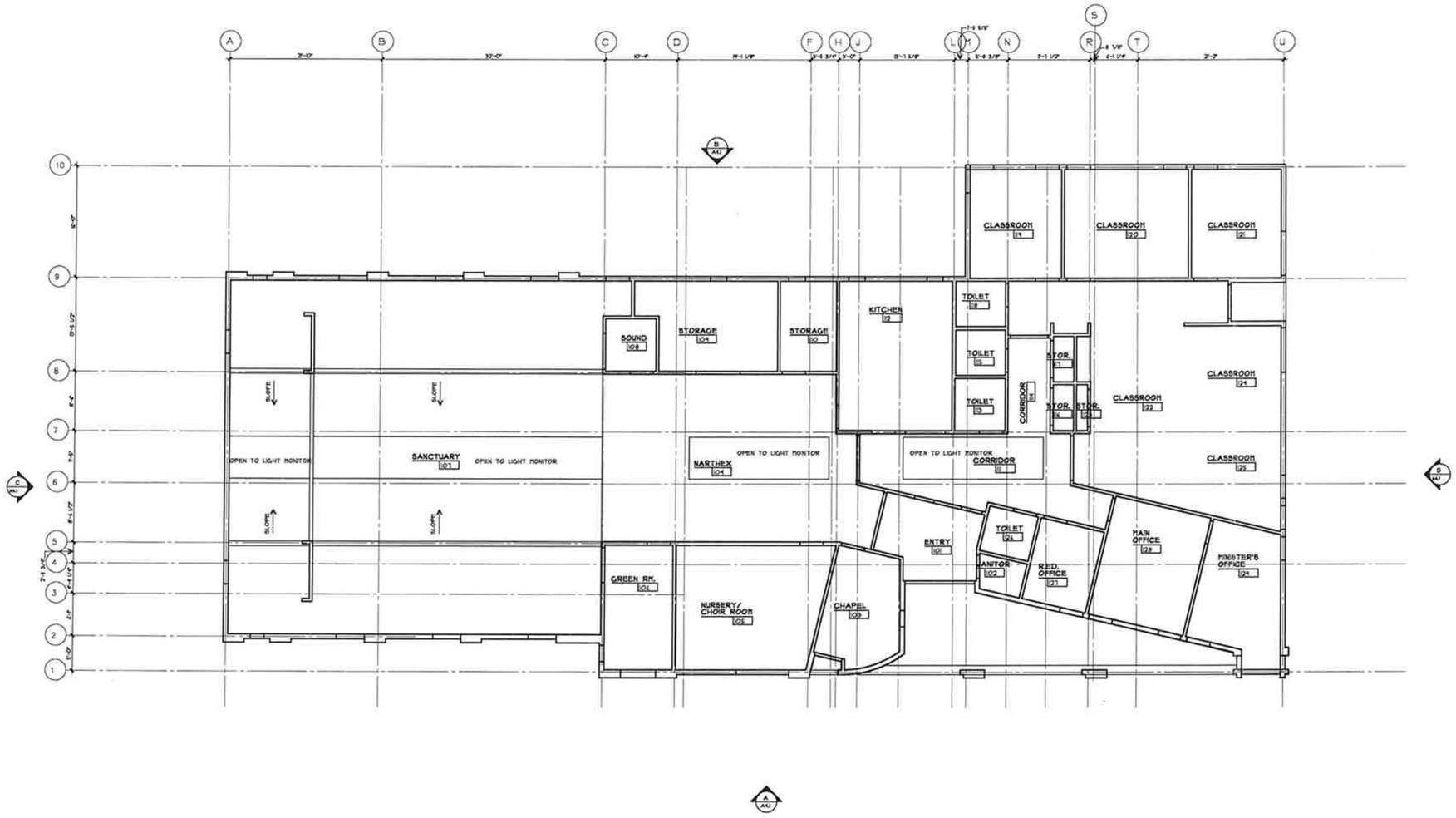
FOUNDATION PLAN

161-2

2/13/13

A1.1



UU Church of Brunswick

15 PLEASANT STREET
BRUNSWICK, MAINE

SMITH REUTER LULL ARCHITECTS
LEWISTON BETHEL

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Bethel, ME 04217
207.824.7237 voice/fax

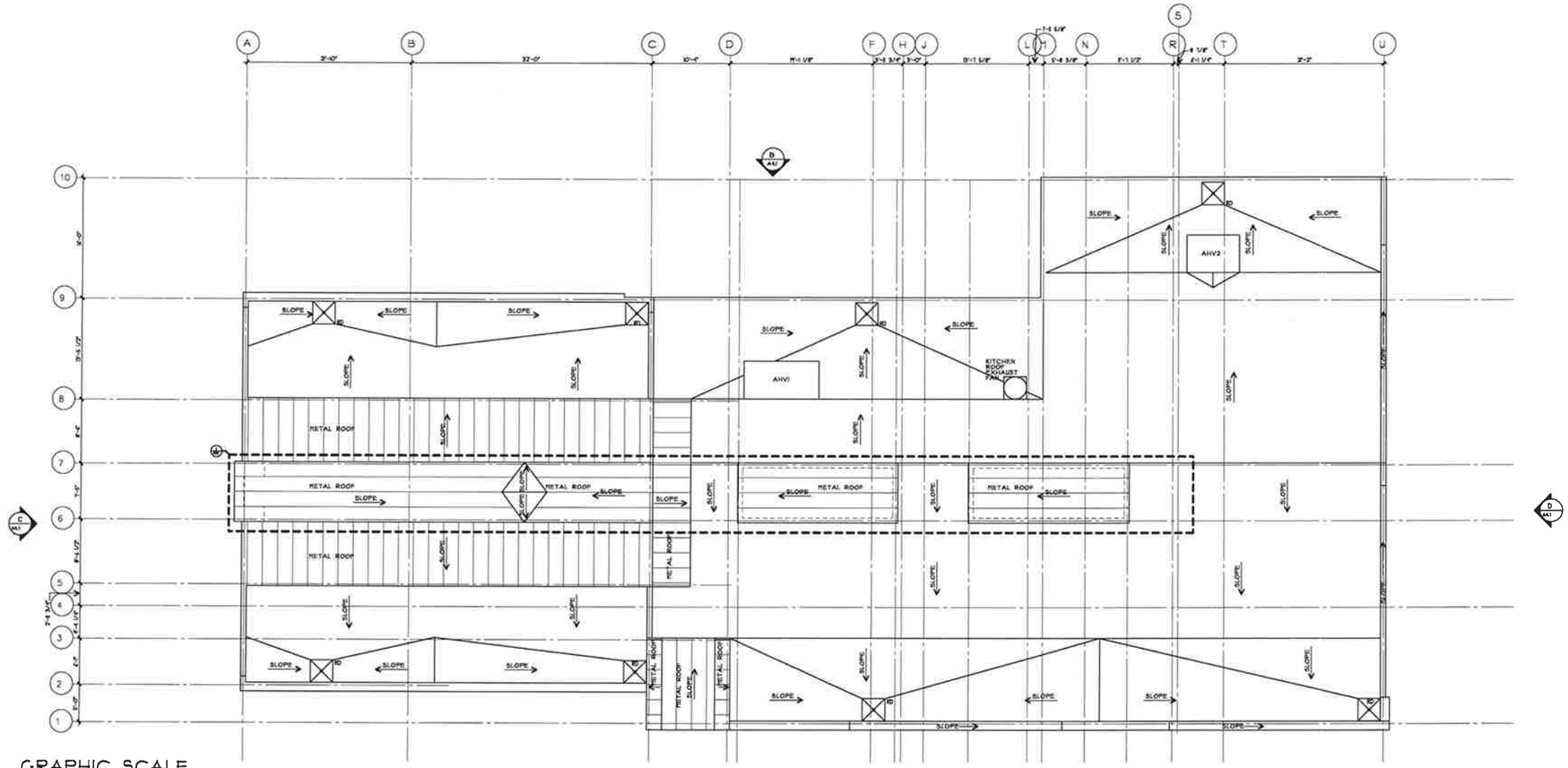
info@smithreuter.com

FIRST FLOOR
REFLECTED CEILING PLAN

161-2

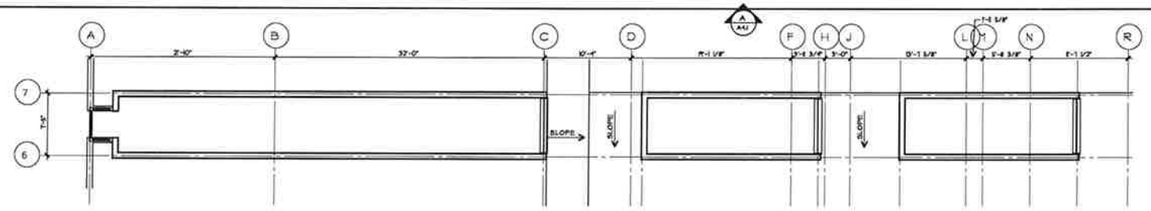
2/13/13

A2.1



ROOF PLAN
1/8" = 1'-0"

GRAPHIC SCALE
0' 5' 10' 15' 20' 25'



1 A3.1 ROOF PLAN DETAIL 1/8" = 1'-0"

1 A3.1 DETAIL 1/4" = 1'-0"

2 A3.1 DETAIL 1" = 1'-0"

3 A3.1 DETAIL 1 1/2" = 1'-0"

4 A3.1 DETAIL 1 1/2" = 1'-0"

5 A3.1 DETAIL 1 1/2" = 1'-0"

6 A3.1 DETAIL 1 1/2" = 1'-0"

UU Church of Brunswick

15 PLEASANT STREET
BRUNSWICK, MAINE

SMITH REUTER LULL ARCHITECTS
LEWISTON PIERMONT

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Bethel, ME 04217
207.824.7237 voice/fax

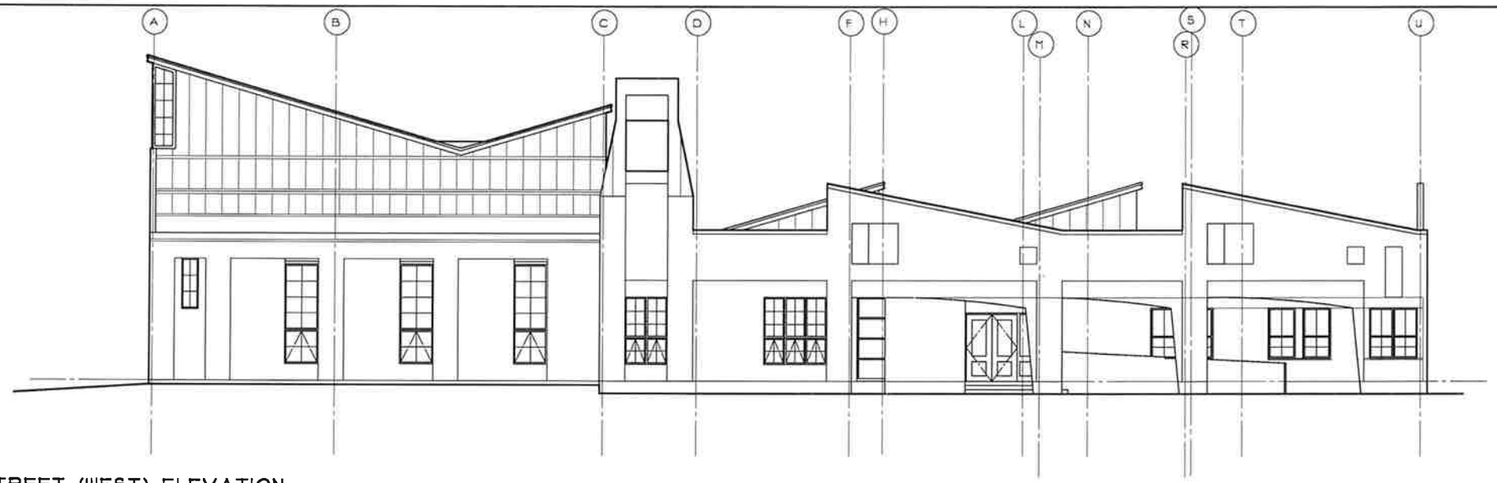
info@smithreuter.com

ROOF PLAN AND DETAILS

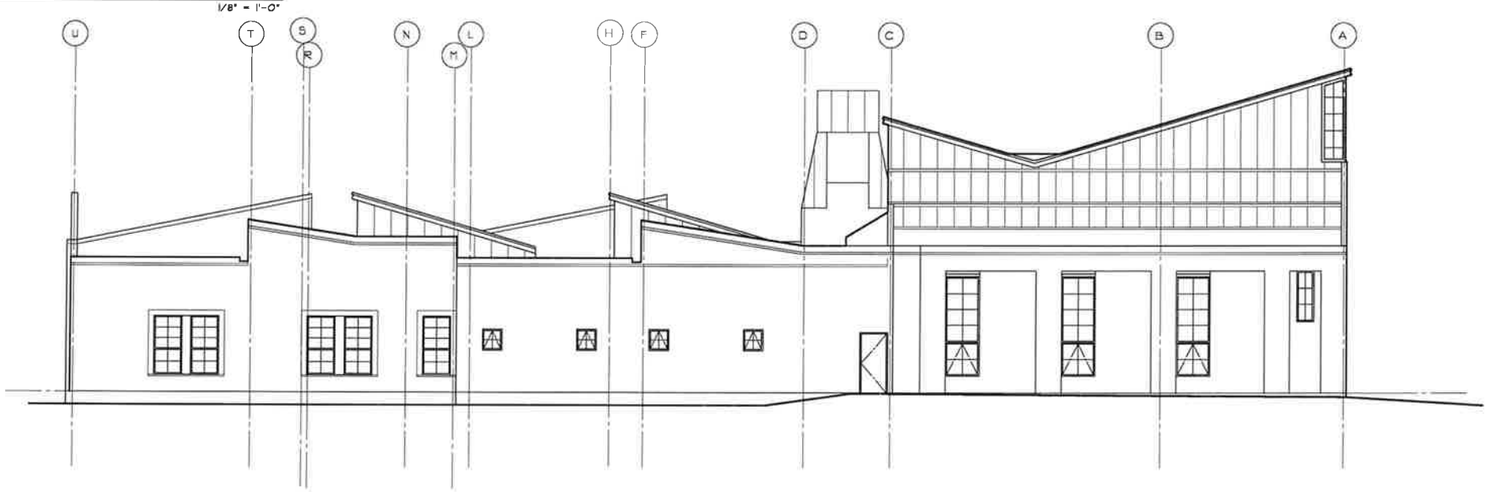
161-2

2/13/13

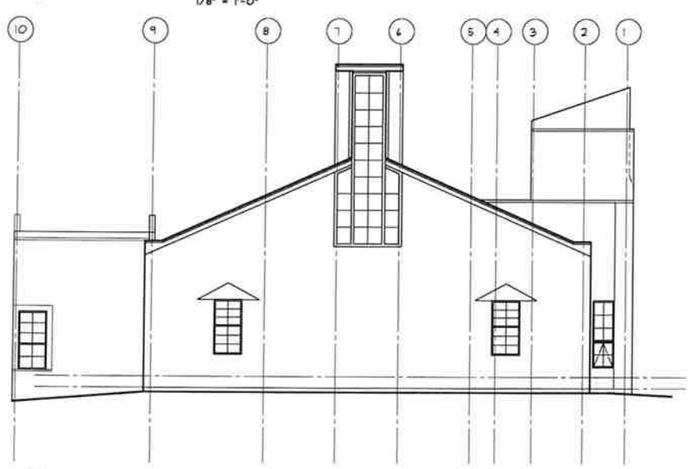
A3.1



Ⓐ MIDDLE STREET (WEST) ELEVATION
1/8" = 1'-0"



Ⓑ EAST ELEVATION
1/8" = 1'-0"



Ⓒ PLEASANT STREET (NORTH) ELEVATION
1/8" = 1'-0"

Ⓓ SOUTH ELEVATION
1/8" = 1'-0"

UU Church of Brunswick

15 PLEASANT STREET
BRUNSWICK, MAINE

SMITH REUTER LULL ARCHITECTS
LEWISTON BETHEL

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info@smithreuter.com

EXTERIOR ELEVATIONS

161-2

2/13/13

A4.1

GENERAL NOTES:

1. DRAWINGS ARE BASED ON BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION FROM MULTIPLE SOURCES BY SITELINES, PA.

2. THE CONTRACTOR IS SPECIFICALLY CAUTIONED THAT THE LOCATION AND/OR THE ELEVATION OF THE EXISTING UTILITIES AS SHOWN ON THESE PLANS IS BASED ON RECORDS OF THE VARIOUS UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS TAKEN IN THE FIELD. THIS INFORMATION HAS NOT BEEN INDEPENDENTLY VERIFIED BY THE OWNER OR ITS REPRESENTATIVES AND IS NOT TO BE RELIED ON AS BEING EXACT OR COMPLETE. THE CONTRACTOR SHALL CALL THE APPROPRIATE UTILITY COMPANY AND DIG SAFE (1-800-DIG-SAFE) AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES. IN AREAS OF POTENTIAL CONFLICTS TEST PITS SHALL BE REQUIRED TO VERIFY EXISTING UTILITY LOCATION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO RELOCATE ALL EXISTING UTILITIES WHICH CONFLICT WITH THE PROPOSED IMPROVEMENTS SHOWN ON THE PLANS.

3. RIM ELEVATIONS OF PROPOSED SANITARY SEWER MANHOLES AND ASSOCIATED STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS. ADJUST ALL OTHER RIM ELEVATIONS OF MANHOLES, WATER GATES, GAS GATES AND OTHER UTILITIES TO FINISH GRADE WITHIN LIMITS OF WORK.

4. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, CABLE AND FIRE ALARM). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH CONSTRUCTION MANAGER AND ARCHITECT.

5. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE, INVERTS AND TYPES OF EXISTING PIPES AT ALL PROPOSED POINTS OF CONNECTION PRIOR TO ORDERING MATERIALS. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATIONS, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE CONSTRUCTION MANAGER REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT.

6. THE CONTRACTOR SHALL VERIFY ALL CRITICAL DIMENSIONS AND GRADES BEFORE WORK BEGINS. CONTRACTOR SHALL CONFIRM LOCATION AND DEPTH ALL UTILITY LINE CROSSINGS WITH TEST PITS PRIOR TO BEGINNING WORK. CONFLICTS SHALL BE REPORTED IN WRITING TO CONSTRUCTION MANAGER FOR RESOLUTION OF THE CONFLICT.

7. ALL AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED BY THE CONTRACTOR TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. ALL AREAS DISTURBED DURING CONSTRUCTION NOT COVERED WITH BUILDINGS, STRUCTURES, OR PAVEMENT SHALL RECEIVE 4 INCHES OF LOAM AND SEED.

8. THE CONTRACTOR SHALL MAKE ALL ARRANGEMENTS AND SHALL BE RESPONSIBLE FOR PAYING ANY FEES FOR ANY POLE RELOCATION AND FOR THE ALTERATION OR ADJUSTMENT OF GAS, ELECTRIC, TELEPHONE, CABLE, FIRE ALARM AND ANY OTHER PRIVATE UTILITIES BY THE UTILITY COMPANIES.

9. UPON AWARD OF CONTRACT, CONTRACTOR SHALL MAKE ALL NECESSARY CONSTRUCTION NOTIFICATIONS AND APPLY FOR AND OBTAIN ALL NECESSARY PERMITS, PAY ALL FEES AND POST ALL BONDS ASSOCIATED WITH THE WORK INDICATED ON THE DRAWINGS AND AS SPECIFIED.

10. ALL PROPERTY MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE RESET TO THEIR ORIGINAL LOCATION BY A MAINE REGISTERED LICENSED PROFESSIONAL LAND SURVEYOR (PLS) AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL PREPARE AN AS-BUILT PLAN SURVEY SHOWING LOCATIONS OF ALL SURFACE FEATURES AND SUBSURFACE UTILITY SYSTEMS INCLUDING THE LOCATION TYPE, SIZE AND INVERTS.

11. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL MEASURES PRIOR TO EARTHWORK OPERATION AND MAINTAIN ALL EROSION CONTROL MEASURES AND SEEDED EMBANKMENTS DURING CONSTRUCTION. EROSION CONTROL SHALL BE REMOVED ONLY UPON THE ESTABLISHMENT OF ALL LANDSCAPED AREAS. ALL WORK SHALL BE IN COMPLIANCE WITH THE ENVIRONMENTAL QUALITY HANDBOOK FOR EROSION AND SEDIMENT CONTROL, LATEST EDITION, AS ADOPTED BY THE MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION.

12. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. ALL CONSTRUCTION ACTIVITY SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.

13. ALL MATERIALS AND CONSTRUCTION METHODS USED WITHIN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO ALL LOCAL MUNICIPAL STANDARDS AND MAINE DEPARTMENT OF TRANSPORTATION SPECIFICATIONS.

14. THE CONTRACTOR IS REQUIRED TO CONTROL DUST DURING CONSTRUCTION. EXPOSED SOIL AREAS SHALL BE SPRAYED WITH WATER AS NEEDED TO CONTROL DUST EMISSIONS. COVER EXPOSED SOIL AREAS AS QUICKLY AS PRACTICAL TO PREVENT WINDS FROM GENERATING DUST.

15. ALL HANDICAP ACCESSIBLE PARKING SPACES, RAMPS AND SIDEWALKS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).

16. ALL SITE SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.

17. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL INCLUDE SUFFICIENT COSTS WITHIN THEIR BID TO PROVIDE DEWATERING AS NECESSARY. NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR DEWATERING.

LAYOUT NOTES:

1. ALL DIMENSIONING, UNLESS NOTED OTHERWISE, IS TO THE FACE OF CURB OR BUILDING.

2. OFFSETS TO CATCH BASINS AND MANHOLES ARE TO THE CENTER OF THE FRAME.

3. PIPE LENGTH EQUALS THE CENTER TO CENTER DISTANCES BETWEEN CATCH BASINS AND/OR MANHOLES MINUS ONE HALF THE DIAMETER OF EACH CATCH BASIN OR MANHOLE.

4. BOUNDARY INFORMATION ON LAYOUT PLAN IS FOR REFERENCE ONLY, REFER TO CERTIFIED BOUNDARY PLANS FOR BOUNDARY INFORMATION.

GRADING AND DRAINAGE NOTES:

1. UNLESS OTHERWISE NOTED, ALL STORM DRAIN PIPE SHALL BE IN ACCORDANCE WITH MDOT SPECIFICATIONS SECTION 603. PIPE CULVERTS AND STORM DRAINS, LATEST REVISION WITH THE EXCEPTION THAT THE ONLY ACCEPTABLE TYPES OF PIPE ARE AS FOLLOWS:

   POLYVINYL CHLORIDE PIPE (PVC)
   SMOOTH BORE POLYETHYLENE PIPE – HDPE N-12 ADS OR SDR 35

2. TOPSOIL STRIPPED IN AREAS OF CONSTRUCTION THAT IS SUITABLE FOR REUSE AS LOAM SHALL BE STOCKPILED ON SITE AT A LOCATION TO BE DESIGNATED BY OWNER. UNSUITABLE SOIL SHALL BE SEPARATED, REMOVED AND DISPOSED OF AT AN APPROVED DISPOSAL LOCATION OFF SITE.

3. THE CONTRACTOR SHALL ANTICIPATE THAT GROUNDWATER WILL BE ENCOUNTERED DURING CONSTRUCTION AND SHALL INCLUDE SUFFICIENT COSTS WITHIN THEIR BID TO PROVIDE DEWATERING AS NECESSARY. NO SEPARATE PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR DEWATERING.

PERMITTING REQUIREMENTS:

AGENCY:	*PERMIT:*	*STATUS:*
TOWN OF BRUNSWICK	SITE PLAN APPROVAL BUILDING	PENDING (BY CONTRACTOR)

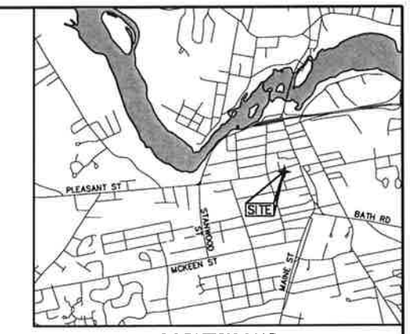
CALL DIG SAFE UTILITY LOCATION
1-888-344-7233
STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES

C:\LAND PROJECTS 2008\1958\DWG\1958-COVERDET.DWG, C1 COVER SHEET, 2/19/2013 5:15:05 PM, CURT

PREPARED FOR:

UNITARIAN UNIVERSALIST CHURCH OF BRUNSWICK

15 PLEASANT STREETS
BRUNSWICK, ME 04011



LOCATION MAP
NOT TO SCALE

LEGEND

EXISTING		PROPOSED
	IRON MARKER FOUND	
	5/8" REBAR TOPPED WITH AN ALUMINUM CAP READING "BRUCE W. MARTINSON – PLS 2137" TO BE SET	
	GRANITE MONUMENT SET	
	CATCH BASIN	
	SEWER MANHOLE	
	FIRE HYDRANT	
	WATER GATE VALVE	
	WATER SHUT-OFF	
	BLOW-OFF/CLEAN-OUT	
CMP #13	UTILITY POLE	
OHE (OVERHEAD UTILITY LINE)	UTILITY LINE	UGE (OVERHEAD UTILITY LINE)
	PROPERTY LINE	
	EASEMENTS	
	SETBACK/BUFFER	
	SOILS BOUNDARY	
	WETLAND BOUNDARY	
	STREAM	
	CULVERT	
	CURB	
	EDGE OF PAVEMENT	
	ROAD CENTERLINE	
	BUILDING	
	STORM DRAIN(SEE PLAN FOR SIZE)	12"SD
6"S	SEWER LINE(SEE PLAN FOR SIZE)	6"S
8"W	WATER LINE(SEE PLAN FOR SIZE)	8"W
	UNDERDRAIN(SEE PLAN FOR SIZE)	
	SLOPE ARROW	-1.5%
100	CONTOURS	100
	TEMPORARY INLET PROTECTION	
	CLEARING LIMIT	
	TREE LINE	
	SEDIMENT BARRIER	SB
	RIPRAP	
	CONSTRUCTION ENTRANCE	
	PROPOSED PAVEMENT	
	SPOT GRADE	T100.50 B100.00
	GRANITE CURB	

UTILITY CONTACTS

CODE ENFORCEMENT
JEFF HUTCHINSON
TOWN OF BRUNSWICK
28 FEDERAL STREET
BRUNSWICK, MAINE 04011
207-725-6651

ELECTRIC SERVICE
CENTRAL MAINE POWER
PAUL DUPERRE
162 CANCO ROAD
PORTLAND, MAINE 04103
207-828-2882

TELEPHONE SERVICE
FAIRPOINT
JOHN MCLEAN
BATH ROAD (P.O. BOX 360)
BRUNSWICK, MAINE 04011
207-442-8018

CABLE SERVICE
COMCAST CONSTRUCTION OFFICE
336 BATH ROAD
BRUNSWICK, MAINE, 04011
207-729-6660

WATER SERVICE
BRUNSWICK-TOPSHAM WATER DISTRICT
ALAN FRASIER, P.E., SUPERINTENDENT
BOX 580
BRUNSWICK, MAINE 004011
207-729-9956

SANITARY SEWER
BRUNSWICK SEWER DISTRICT
LEONARD BLANCHETTE
10 PINE TREE ROAD
BRUNSWICK, MAINE 04011
207-729-0148

PUBLIC WORKS DEPARTMENT
JOHN FOSTER, P.E.
9 INDUSTRY ROAD
BRUNSWICK, MAINE 04011
207-725-6654

BRUNSWICK FIRE DEPARTMENT
KENNETH BRILLANT, FIRE CHIEF
21 TOWN HALL PLACE
BRUNSWICK, MAINE 04011
207-725-5541

PROJECT TEAM

CIVIL ENGINEER
SITELINES P.A.
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BRUNSWICK, MAINE 04011
207-725-1200
WWW.SITELINESPA.COM

SURVEYOR
SITELINES P.A.
ATTN: KEVIN CLARK, PLS
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BRUNSWICK, MAINE 04011
207-725-1200
WWW.SITELINESPA.COM

ARCHITECT
SMITH REUTER LULL ARCHITECTS
ATTN: STEPHANIE J. LULL, AIA
179 LISBON STREET
LEWISTON, MAINE 04240
207-786-5623

PLAN SET

SHEET NUMBER	SHEET TITLE
C1	COVER SHEET
C2	SITE LAYOUT PLAN
C3	GRADING PLAN
C4	UTILITY PLAN
C5	SITE DEVELOPMENT DETAILS
C6	EROSION CONTROL DETAILS & NOTES
L1	LANDSCAPE PLAN

PROGRESS PRINT
NOT FOR CONSTRUCTION

STATE OF MAINE
CURTIS Y. NEUFELD
9779
LICENSED
PROFESSIONAL ENGINEER

1. 02-21-13 SUBMITTED TO TOWN OF BRUNSWICK FOR APPROVAL CYN

TITLE: COVER SHEET

PROJECT: UNITARIAN UNIVERSALIST CHURCH REDEVELOPMENT PROJECT

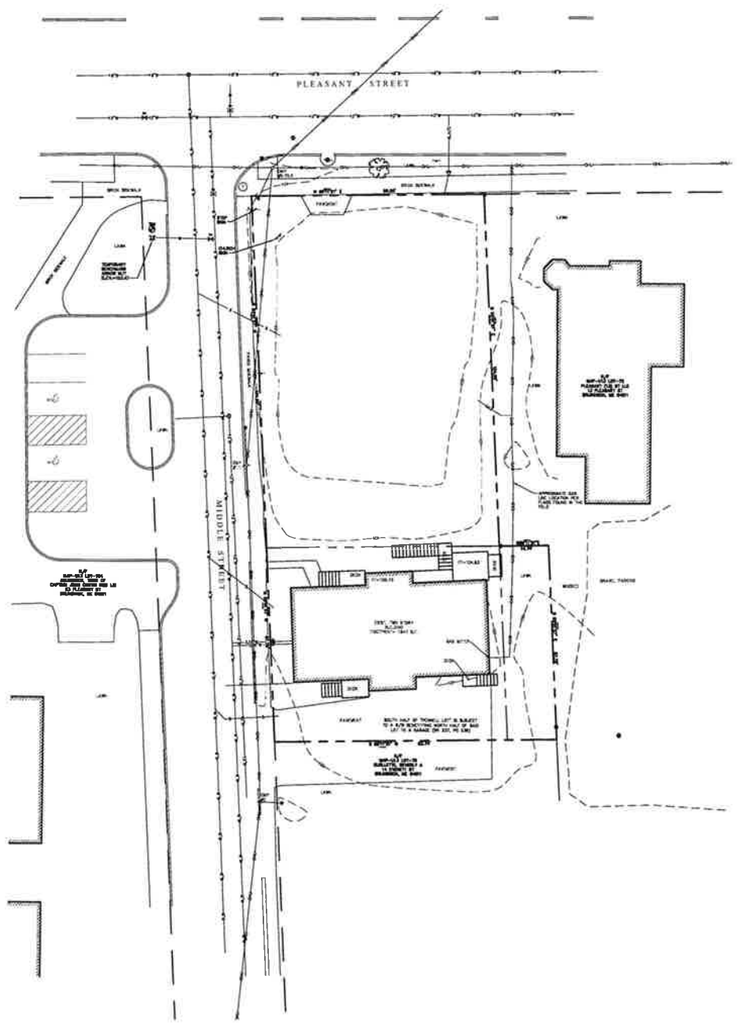
OWNER: UNITARIAN UNIVERSALIST CHURCH OF BRUSWICK
15 PLEASANT STEET, BRUNSWICK, MAINE 04011

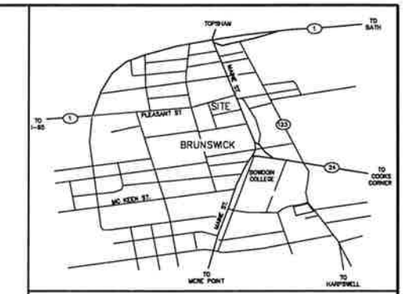
SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM	SCALE: 1"=10'	SHEET: C1
DRN BY: RPL	JOB #: 1958	
CH'D BY: CYN	SS:	
DATE: 03-12-12	FILE: 1958-COVERDET	

LEGEND

■	MONUMENT FOUND
●	IRON MARKER FOUND
⊙	5/8" REBAR TOPPED WITH AN ALUMINUM CAP READING "BRUCE W. MARTINSON – PLS 2137" TO BE SET
— — —	BOUNDARY LINE OF SURVEYED PARCEL
— — —	BOUNDARY LINE OF ABUTTERS (APPROX.)
—— ——	ROAD RIGHT OF WAY LINE (APPROX.)
	COMPUTATIONAL TIE LINE
○○○○○○○○○○	STONE WALL (APPROX.)
	EDGE OF TRAVELED WAY
—— OHE ——	UTILITY LINE
"O"CMP 13	UTILITY POLE WITH NUMBER
IPF	IRON PIPE FOUND
IRF	IRON ROD FOUND
DH	DRILL HOLE
	ARBITRARY TRAVERSE POINT WITH NUMBER
12, 1001	ARBITRARY COMPUTATIONAL POINT NUMBER
BK 10674, PG 197	DEED BOOK & PAGE IN COUNTY REGISTRY OF DEEDS
PB 195, PG 130	PLAN BOOK & PAGE IN COUNTY REGISTRY OF DEEDS
R/W	RIGHT OF WAY
N/F	NOW OR FORMERLY HELD BY
AC.	ACRES
±	MORE OR LESS
Ⓢ	SEWER MANHOLE
☼	LIGHT POLE
▤	CATCH BASIN
	WATER SHUT OFF
	HYDRANT
	SIGN
WV	WATER VALVE
	ELEVATION TEMPORARY BENCH MARK
TP	TEST PIT





LOCATION MAP
NOT TO SCALE

MAGNETIC

NOTES:

1. TITLE REFERENCE FOR SURVEYED PARCEL:

   BK 6140, PG 182
   BK 8414, PG 337
   BK 9715, PG 199
   BK 542, PG 59

2. PLAN REFERENCE(S):

   a) PLAN ENTITLED, "STANDARD BOUNDARY SURVEY PREPARED FOR UNITARIAN UNIVERSALIST CHURCH", DATED 04-09-1987, BY COASTAL & WOODLAND, RECORDED IN PB 164, PG 12.

   b) PLAN ENTITLED, "STANDARD BOUNDARY SURVEY PLUS SELECTED TOPOGRAPHY FOR TOWN OF BRUNSWICK" (LIBRARY LOTS), DATED 10-09-1995, BY R.M. SPIVEY, RECORDED IN PB 195, PG 440.

   c) PLAN ENTITLED, "PLAN OF LAND ... FOR SOCONY VACUUM OIL CO. INC.", DATED NOVEMBER, 1945, BY POOLER, RECORDED IN PB 31, PG 49.

   d) PLAN ENTITLED, "STANDARD BOUNDARY SURVEY PREPARED FOR UNITARIAN UNIVERSALIST CHURCH", DATED 04-09-1987, BY COASTAL & WOODLAND, RECORDED IN PB 164, PG 12.

3. AREA INFORMATION:

   12,064 SQ. FT. OR 0.277 ACRES±

4. TAX MAP REFERENCE:

   TAX MAP U-13, LOT 73 & 74.

5. BASIS OF BEARINGS:

   BEARINGS ARE MAGNETIC (2011) AND ARE BASED ON HAND COMPASS BEARINGS ALONG RANDOM TRAVERSE LINES.

6. ROAD INFORMATION:

   PLEASANT STREET RIGHT-OF-WAY LINE LOCATION IS BASED ON EVIDENCE FOUND (LAYOUT RECORDED IN CLERK'S RECORDS VOL. 11, PG 77).

   MIDDLE STREET R/W WIDTH IS 33 FT PER LAYOUT IN VOL. 4, PG 422. LOCATION IS BASED ON EVIDENCE FOUND.

SURVEYOR'S CERTIFICATION:

THE PREPARER HEREBY CERTIFIES THAT THIS SURVEY HAS BEEN UNDERTAKEN IN CONFORMANCE WITH THE RULES SET FORTH BY THE BOARD OF LICENSURE FOR PROFESSIONAL LAND SURVEYORS, DATED APRIL 1, 2001, FOR A BOUNDARY SURVEY.

STATE OF MAINE
BRUCE W. MARTINSON
#2137
PROFESSIONAL LAND SURVEYOR

DATE

BRUCE W. MARTINSON, PLS #2137

NOT VALID UNLESS EMBOSSED HERE

CUMBERLAND COUNTY REGISTRY OF DEEDS:

RECEIVED_____

AT ____ HRS _____ MIN ___ M, AND

FILED IN PLAN BOOK _____ PAGE _____,

ATTESTED: _____, REGISTER

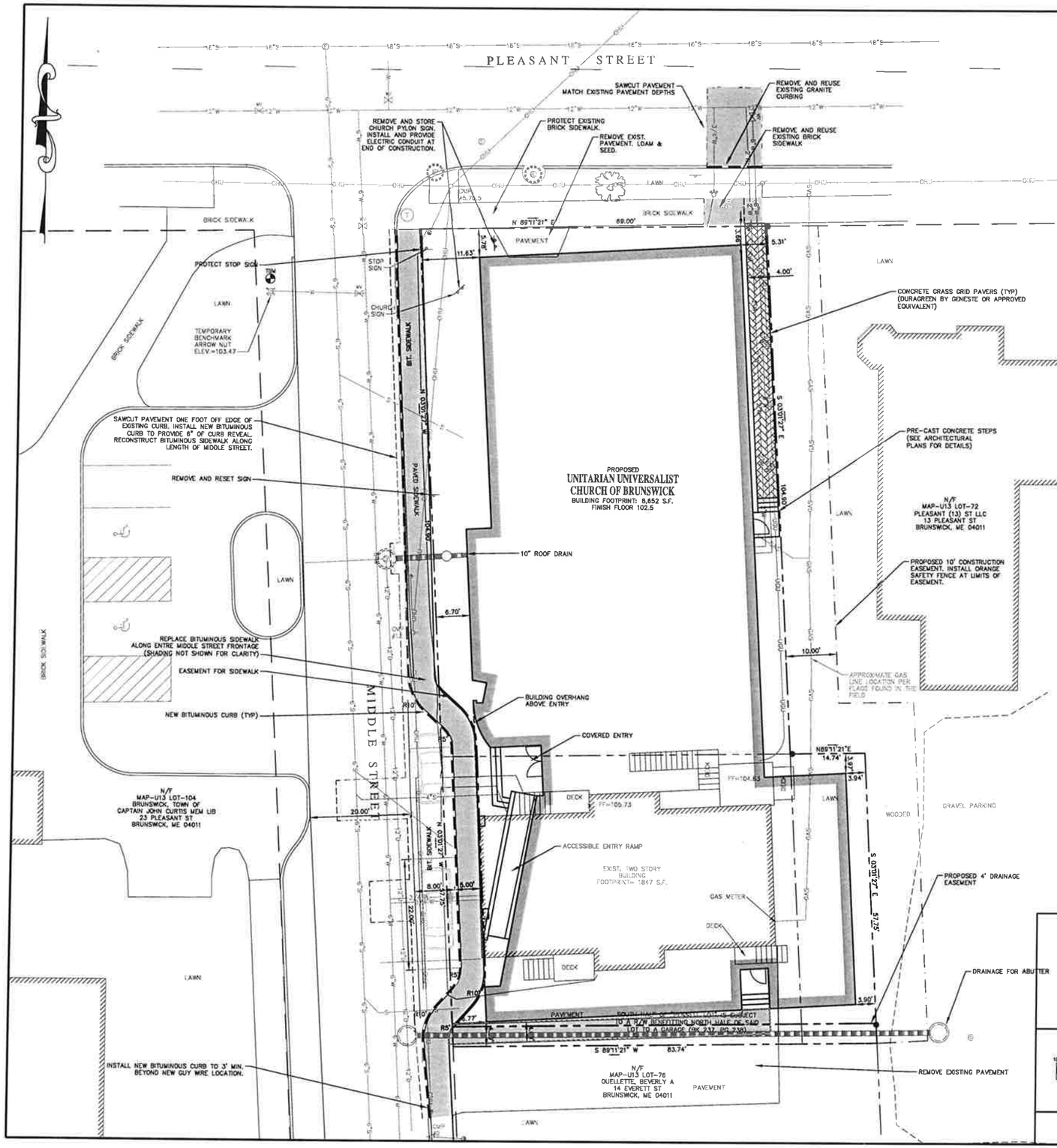
SURVEY PLAN
of Land of

UNITARIAN UNIVERSALIST CHURCH
OF BRUNSWICK

15 PLEASANT STREET
BRUNSWICK, MAINE 04011

SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

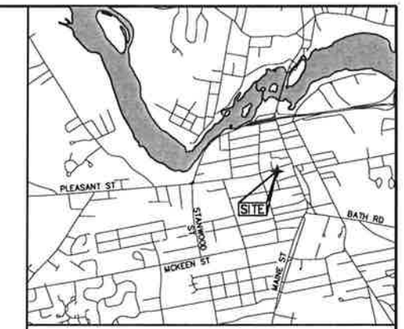
FIELD WK: BWM/BVD/MJC	SCALE: 1"=20'	SHEET:
DRN BY: BWM/KPC/RPL	JOB #: 1958	
CH'D BY: BWM	SS:	
DATE: 08-24-11	FILE: 1958SURVEY-10-SCALE	



LAYOUT NOTES:

1. ALL DIMENSIONING, UNLESS NOTED OTHERWISE, IS TO THE FACE OF CURB OR BUILDING FOUNDATION.
2. OFFSETS TO CATCH BASINS AND MANHOLES ARE TO THE CENTER OF THE FRAME.
3. PIPE LENGTH EQUALS THE CENTER TO CENTER DISTANCES BETWEEN CATCH BASINS AND/OR MANHOLES MINUS ONE HALF THE DIAMETER OF EACH CATCH BASIN OR MANHOLE.
4. BOUNDARY INFORMATION ON LAYOUT PLAN IS FOR REFERENCE ONLY, REFER TO CERTIFIED BOUNDARY PLANS FOR BOUNDARY INFORMATION.
5. ALL HANDICAP ACCESSIBLE PARKING SPACES, RAMPS AND SIDEWALKS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA).
6. ALL SITE SIGNAGE AND PAVEMENT MARKINGS SHALL CONFORM TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
7. COORDINATE SITE WORK WITH ARCHITECTURAL DRAWINGS INCLUDING BUILDING FEATURES AND FOUNDATION PLAN.

SEE SHEET C3 FOR DRAINAGE AND GRADING INFORMATION
SEE SHEET C4 FOR UTILITY AND STORM DRAIN INFORMATION



LOCATION MAP
NOT TO SCALE

GENERAL NOTES:

1. TITLE REFERENCE FOR SURVEYED PARCEL:

   BK 6140, PG 182
   BK 8414, PG 337
   BK 9715, PG 199
   BK 542, PG 59

2. PLAN REFERENCE(S):

   a) PLAN ENTITLED, "STANDARD BOUNDARY SURVEY PREPARED FOR UNITARIAN UNIVERSALIST CHURCH", DATED 04-09-1987, BY COASTAL & WOODLAND, RECORDED IN PB 164, PG 12.

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3. AREA INFORMATION:

   12,064 SQ. FT. OR 0.277 ACRES±

4. TAX MAP REFERENCE:

   TAX MAP U-13, LOT 73 & 74.

5. BASIS OF BEARINGS:

   BEARINGS ARE MAGNETIC (2011) AND ARE BASED ON HAND COMPASS BEARINGS ALONG RANDOM TRAVERSE LINES.

6. ROAD INFORMATION:

   PLEASANT STREET RIGHT-OF-WAY LINE LOCATION IS BASED ON EVIDENCE FOUND (LAYOUT RECORDED IN CLERK'S RECORDS VOL. 11, PG 77).

   MIDDLE STREET R/W WIDTH IS 33 FT PER LAYOUT IN VOL. 4, PG 422. LOCATION IS BASED ON EVIDENCE FOUND.

7. ZONING INFORMATION:

   ORDINANCE STANDARDS:
   ZONE: TC1 (TOWN CENTER, MAINE STREET)
   MINIMUM LOT SIZE: NA
   DIMENSION REQUIREMENTS:
   1.) MINIMUM LOT WIDTH: NA
   2.) YARD DEPTHS
   A) FRONT = 0'
   B) REAR = 0'
   C) SIDE = 0'
   3.) MAXIMUM BUILDING HEIGHT = 40'
   4.) MAXIMUM BUILDING FOOTPRINT = 30,000 S.F.
   5.) MAXIMUM IMPERVIOUS = 100%

8. THE PROJECT PARCEL IS NOT LOCATED WITHIN THE 100-YEAR FLOOD ZONE (REF. FIRM COMMUNITY PANEL NUMBER 230042-0015-B)

9. THE RECORD OWNER OWNS BOTH LOTS OF PENNEL HOUSE. THE RIGHT-OF-WAY REFERENCE IS EXTINGUISHED.

APPROVAL
TOWN OF BRUNSWICK PLANNING BOARD

DATE: _____

CHAIRMAN: _____

1.	02/21/13	SUBMITTED TO TOWN OF BRUNSWICK FOR APPROVAL — CYN

CALL DIG SAFE UTILITY LOCATION
1-888-344-7233
STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES

GRAPHIC SCALE
(IN FEET)
1 inch = 10' ft.

PROGRESS PRINT
NOT FOR CONSTRUCTION

STATE OF MAINE — CURTIS T. NEUFELD — 9779 — LICENSED — PROFESSIONAL ENGINEER

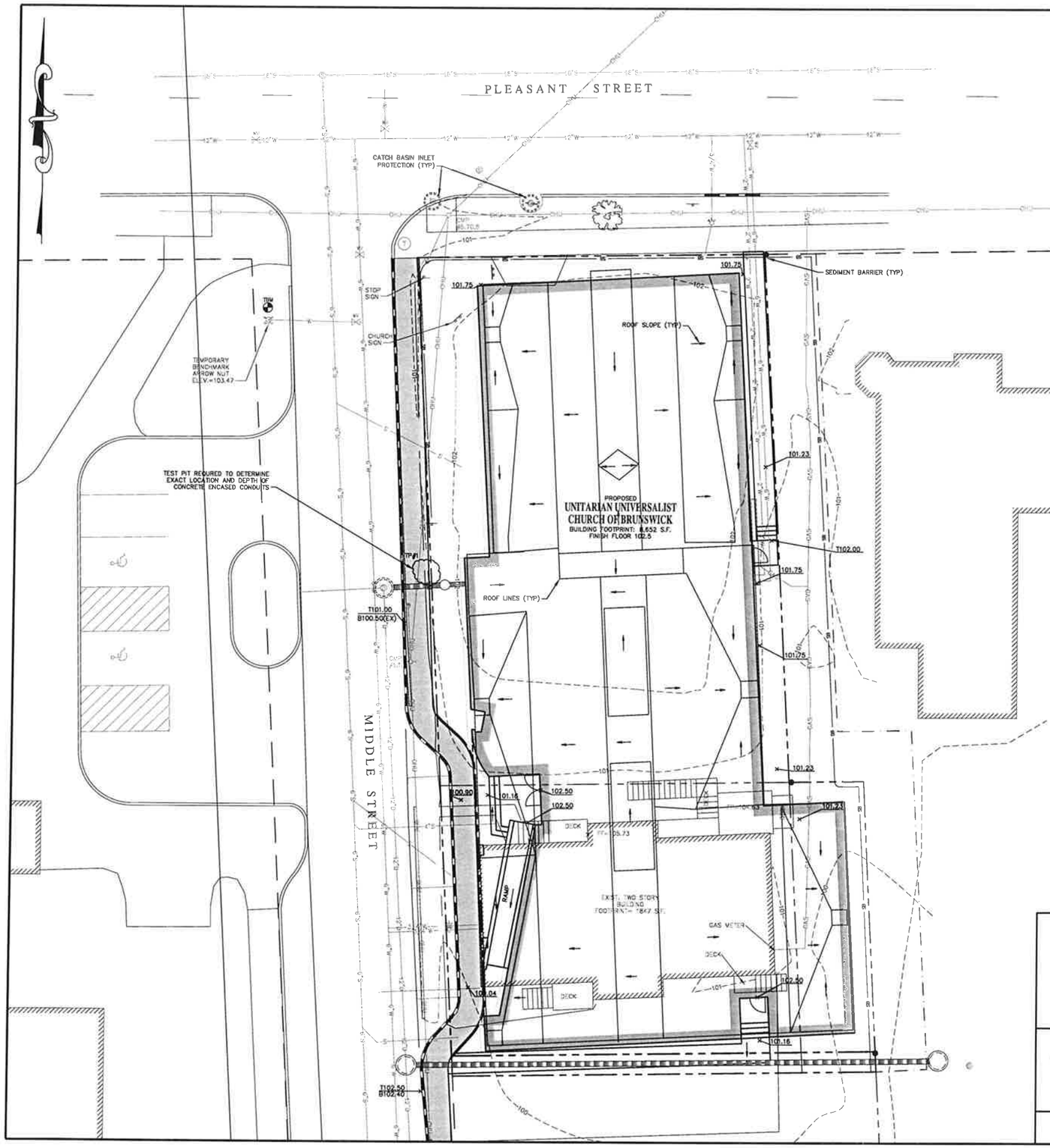
SITE LAYOUT PLAN

UNITARIAN UNIVERSALIST CHURCH
REDEVELOPMENT PROJECT

UNITARIAN UNIVERSALIST CHURCH OF BRUSWICK
15 PLEASANT STEET, BRUNSWICK, MAINE 04011

SITELINES, PA
ENGINEERS • PLANNERS • SURVEYORS
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM	SCALE: 1"=10'	SHEET: C2
DRN BY: RPL	JOB #: 1958	
CH'D BY: CYN	SS:	
DATE: 03-12-12	FILE: 1958SITE	



GRADING AND DRAINAGE NOTES:

1. TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO GRADING EFFORTS OR WITHOUT DELAY UPON THEIR COMPLETION, DEPENDENT UPON THE SITUATION.

2. ALL FILL SLOPES SHALL BE A MINIMUM OF 3:1 HORIZONTAL TO VERTICAL UNLESS OTHERWISE NOTED OR DIRECTED.

3. THE LIMITS OF DISTURBANCE SHALL GENERALLY BE THE MINIMAL EXTENT NECESSARY ONLY TO PERFORM THE WORK SHOWN ON THE DRAWINGS. SPECIAL CARE SHALL BE TAKEN TO AVOID DISTURBANCE OF OBJECTS AND AREAS NOT SPECIFICALLY IDENTIFIED FOR MODIFICATION OR REMOVAL.

4. ALL DISTURBED AREAS SHALL BE LOAMED AND SEEDED IN ACCORDANCE WITH THE DRAWINGS, UNLESS INTENDED FOR OTHER SURFACE COVER.

5. PROVISIONS SHALL BE MADE TO MANAGE STORMWATER RUNOFF OR RETAIN IT ON-SITE.

6. WHERE FINAL GRADING HAS BEEN COMPLETED, SURFACE RESTORATION FOR DISTURBED AREAS WILL BE COMPLETED AS SOON AS PRACTICABLE. FOR VEGETATIVE AREAS, VEGETATION WILL BE PROGRESSIVELY ESTABLISHED.

7. PIPE CULVERTS AND STORM DRAINS, LATEST REVISION WITH ACCEPTABLE TYPES OF PIPE ARE AS FOLLOWS:

SMOOTH BORE POLYETHYLENE PIPE – HDPE N-12 ADS

8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL DRAINAGE STRUCTURES AND PIPING PRIOR TO CONSTRUCTION.

9. RIM ELEVATIONS OF PROPOSED DRAINAGE STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS.

SEE SHEET C4 FOR STORM DRAIN INFORMATION

1.	02/21/13	SUBMITTED TO TOWN OF BRUNSWICK FOR APPROVAL CYN

CALL DIG SAFE UTILITY LOCATION
1-888-344-7233
STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES

GRAPHIC SCALE
(IN FEET)
1 inch = 10' ft.

PROGRESS PRINT
NOT FOR CONSTRUCTION

STATE OF MAINE
CURTIS Y. NEUFELD
9779
LICENSED
PROFESSIONAL ENGINEER

GRADING PLAN

UNITARIAN UNIVERSALIST CHURCH
REDEVELOPMENT PROJECT

UNITARIAN UNIVERSALIST CHURCH OF BRUSWICK
15 PLEASANT STEET, BRUNSWICK, MAINE 04011

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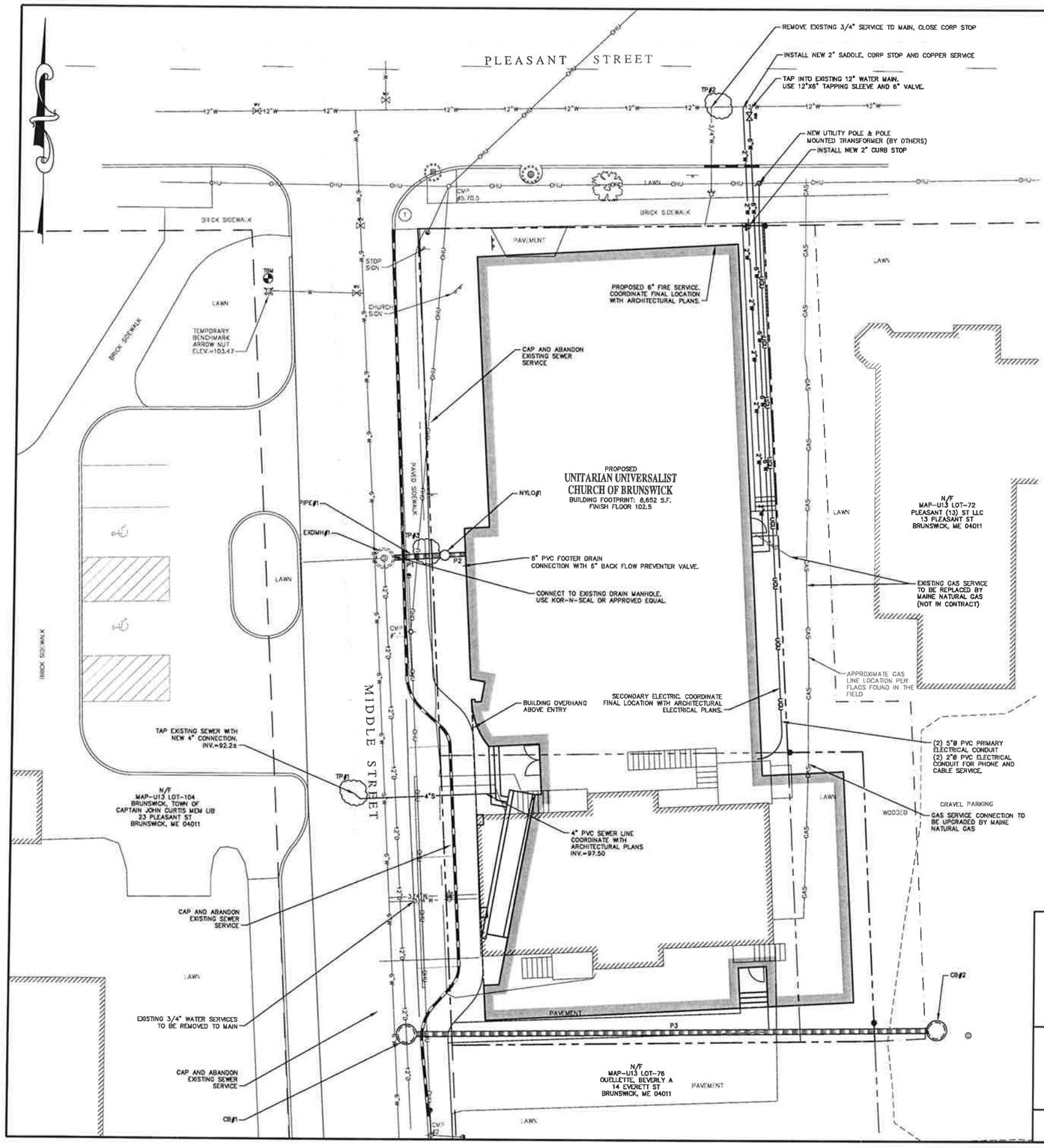
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM	SCALE: 1"=10'	SHEET:
DRN BY: RPL	JOB #: 1958	C3
CH'D BY: CYN	SS:	
DATE: 03-12-12	FILE: 1958SITE	



LAYOUT NOTES:

1. ALL DIMENSIONING, UNLESS NOTED OTHERWISE, IS TO THE FACE OF CURB.

2. OFFSETS TO CATCH BASINS AND MANHOLES ARE TO THE CENTER OF THE FRAME.

3. PIPE LENGTH EQUALS THE CENTER TO CENTER DISTANCES BETWEEN CATCH BASINS AND/OR MANHOLES MINUS ONE HALF THE DIAMETER OF EACH CATCH BASIN OR MANHOLE.

4. BOUNDARY INFORMATION ON LAYOUT PLAN IS FOR REFERENCE ONLY. REFER TO CERTIFIED BOUNDARY PLANS FOR BOUNDARY INFORMATION.

UTILITY NOTES:

1. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OF ALL DRAINAGE AND SEWER STRUCTURES AND PIPING PRIOR TO CONSTRUCTION.

2. RIM ELEVATIONS OF PROPOSED SANITARY SEWER MANHOLES AND ASSOCIATED STRUCTURES ARE APPROXIMATE. FINAL ELEVATIONS ARE TO BE SET FLUSH AND CONSISTENT WITH THE GRADING PLANS. ADJUST ALL OTHER RIM ELEVATIONS OF MANHOLES, WATER GATES, GAS GATES AND OTHER UTILITIES TO FINISH GRADE WITHIN LIMITS OF WORK.

3. THE LOCATION, SIZE, DEPTH, AND SPECIFICATIONS FOR CONSTRUCTION OF PROPOSED PRIVATE UTILITY SERVICES SHALL BE INSTALLED ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE RESPECTIVE UTILITY COMPANY (GAS, TELEPHONE, ELECTRIC, CABLE AND FIRE ALARM). FINAL DESIGN LOADS AND LOCATIONS TO BE COORDINATED WITH CONSTRUCTION MANAGER AND ARCHITECT.

4. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION, SIZE, INVERTS AND TYPES OF EXISTING PIPES AT ALL PROPOSED POINTS OF CONNECTION PRIOR TO ORDERING MATERIALS. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATIONS, ELEVATION, AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE CONSTRUCTION MANAGER REPRESENTATIVE FOR THE RESOLUTION OF THE CONFLICT.

5. ABANDONMENT OF EXISTING UTILITIES SHALL CONFORM TO APPLICABLE UTILITY DISTRICT'S STANDARDS.

STORM DRAIN DATA:

EXDMHφ1
RIM = 100.74
INV. IN = 98.14 (FROM LIBRARY)
NEW INV. IN = 98.24 (FROM NYLOφ1)
INV. OUT = 98.14 (TO EXISTING)

NYLOφ1
RIM = 101.10 (12" X 12" GRATE)
INV. IN = 98.40 (10" FROM ROOF DRAIN)
INV. IN = 98.40 (6" FROM FOUNDATION DRAIN)
INV. OUT = 96.30 (12" TO EXDMHφ1)

CBφ1
RIM = 102.30
INV. IN = 96.10 (FROM EXISTING)
INV. IN = 96.20 (FROM CBφ3)
INV. OUT = 96.10 (TO EXISTING)

CBφ2
RIM = 101.10
INV. OUT = 96.70 (12" TO CBφ1)

PIPE DATA
PIPEφ1: TYPE=12" HDPE, LENGTH=9', SLOPE=.005 STORM DRAIN
PIPEφ2: TYPE=10" SDR35 LENGTH=58', SLOPE=0.005 ROOF DRAIN
PIPEφ3: TYPE=12" HDPE LENGTH=100', SLOPE=0.005 STORM DRAIN

TEST PIT:

TPφ1 = TEST PIT SEWER LINE LOCATION AND DEPTH
TPφ2 = TEST PIT WATER LINE LOCATION AND DEPTH
TPφ3 = TEST PIT CONCRETE ENCASED CONDUIT LOCATION AND DEPTH

THERE ARE EXISTING CONCRETE ENCASED CONDUIT UNDER THE BITUMINOUS SIDEWALK ON THE EAST SIDE OF MIDDLE STREET. TEST PIT φ3 SHALL BE EXCAVATED TO DETERMINE THE EXACT LOCATION AND DEPTH OF THE TOP AND BOTTOM OF THE CONCRETE AT STORM DRAIN CROSSING. TEST PITS ARE TO BE COMPLETED BEFORE CONSTRUCTION AND ORDERING OF MATERIALS. REPORT INFORMATION TO ENGINEER.

1. 02/21/13 SUBMITTED TO TOWN OF BRUNSWICK FOR APPROVAL CYN

CALL DIG SAFE UTILITY LOCATION
1-888-344-7233
STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES

GRAPHIC SCALE
10' 5' 0' 10' 20' 40'
(IN FEET)
1 inch = 10' ft.

PROGRESS PRINT
NOT FOR CONSTRUCTION

STATE OF MAINE
CURTIS Y. NEUFELD
9779
LICENSED
PROFESSIONAL ENGINEER

UTILITY PLAN

UNITARIAN UNIVERSALIST CHURCH
REDEVELOPMENT PROJECT

UNITARIAN UNIVERSALIST CHURCH OF BRUSWICK
15 PLEASANT STEET, BRUNSWICK, MAINE 04011

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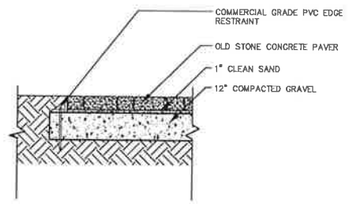
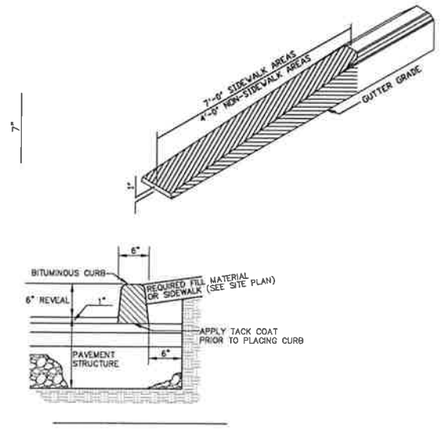
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

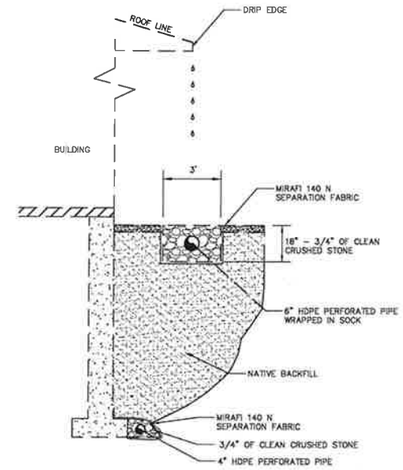
FIELD WK: BWM	SCALE: 1"=10'	SHEET: C4
DRN BY: RPL	JOB #: 1958	
CH'D BY: CYN	SS:	
DATE: 03-12-12	FILE: 1958SITE	



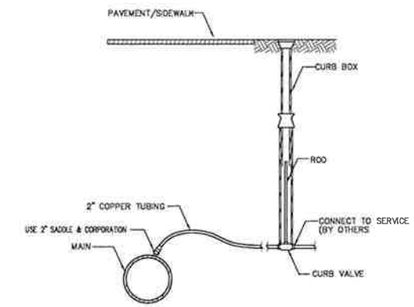
A CONCRETE PAVER INSTALLATION
N.T.S.



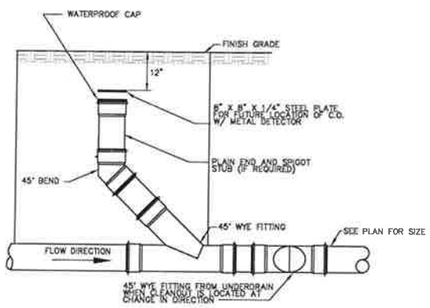
B BITUMINOUS CONCRETE WALK W/ BITUMINOUS CURB
N.T.S.



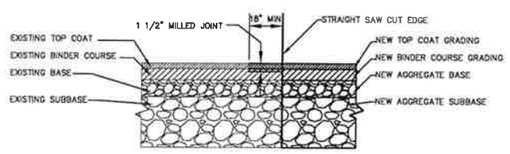
C DRIPLINE INFILTRATION DETAIL
N.T.S.



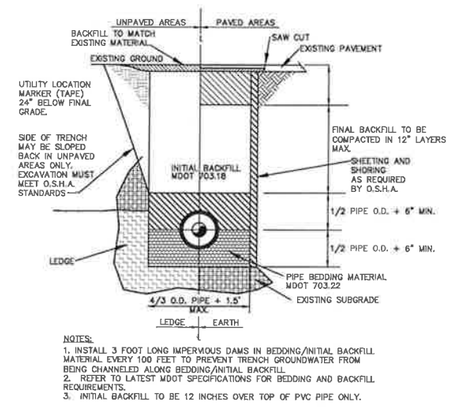
D WATER SERVICE DETAIL
N.T.S.



E SEWER CLEAN OUT DETAIL
N.T.S.

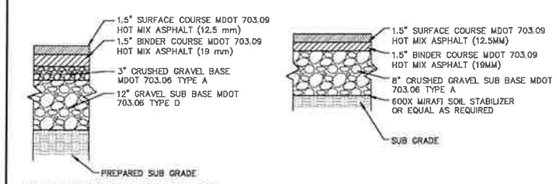


F PAVEMENT SAW CUT SECTION "FULL DEPTH RECONSTRUCTION"
N.T.S.



NOTES:
1. INSTALL 3 FOOT LONG IMPERVIOUS DAMS IN BEDDING/INITIAL BACKFILL MATERIAL EVERY 100 FEET TO PREVENT TRENCH GROUNDWATER FROM BEING CHANNELED ALONG BEDDING/INITIAL BACKFILL.
2. REFER TO LATEST MDOT SPECIFICATIONS FOR BEDDING AND BACKFILL REQUIREMENTS.
3. INITIAL BACKFILL TO BE 12 INCHES OVER TOP OF PVC PIPE ONLY.

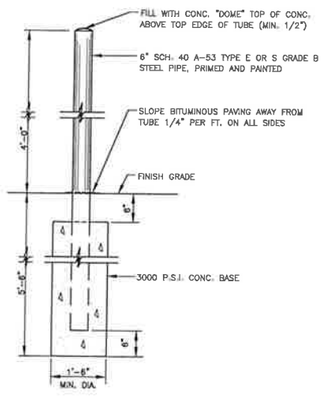
G TYPICAL PIPE TRENCH DETAIL
N.T.S



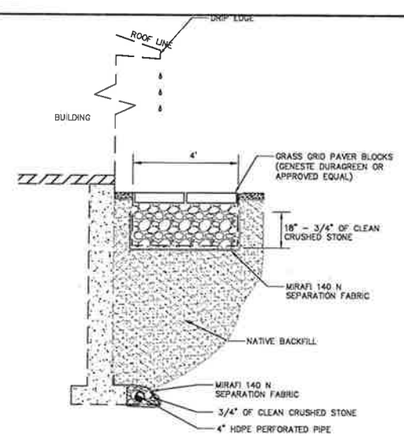
STANDARD PAVEMENT SECTION
N.T.S.

BITUMINOUS CONCRETE WALK
NOT TO SCALE

H TYPICAL PAVEMENT SECTION
N.T.S.



I CONCRETE FILLED BOLLARD
N.T.S.



G GRASS PAVER INSTALLATION
N.T.S.

1. 02/31/13 SUBMITTED TO TOWN OF BRUNSWICK FOR APPROVAL CYN

TITLE:
SITE DEVELOPMENT DETAILS

PROJECT:
UNITARIAN UNIVERSALIST CHURCH
REDEVELOPMENT PROJECT

OWNER:
UNITARIAN UNIVERSALIST CHURCH OF BRUSWICK
15 PLEASANT STEET, BRUNSWICK, MAINE 04011

STATE OF MAINE
CURTIS V. NEUFELD
9779
LICENSED
PROFESSIONAL ENGINEER

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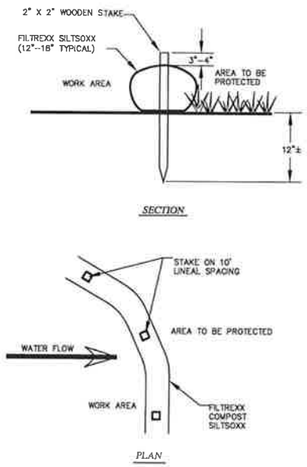
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM	SCALE: 1"=10'	SHEET:
DRN BY: RPL	JOB #: 1958	C5
CH'D BY: CYN	SS:	
DATE: 03-12-12	FILE: 1958-COVERDET	

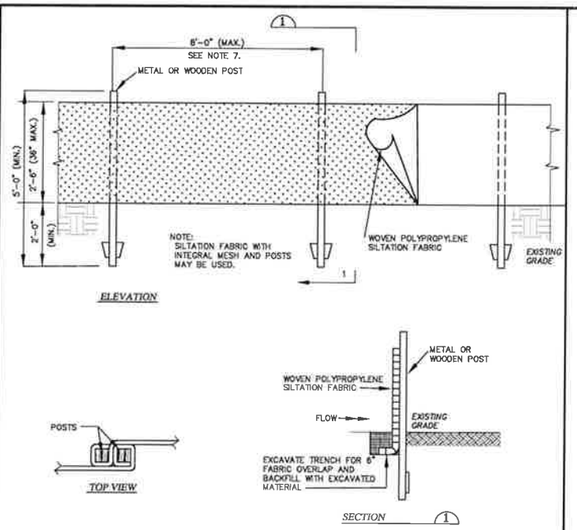
PROGRESS PRINT
NOT FOR CONSTRUCTION

C:\LAND PRO\PROJECTS 2009\1958\DWG\1958-COVERDET.DWG, C5 DETAIL, 2/19/2013 5:16:05 PM, CURT



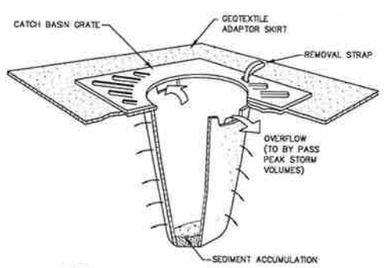
NOTES:
1. ALL MATERIALS TO MEET FILTREXX SPECIFICATIONS
2. SILTSOXX COMPOST/SOIL/ROCK/SEED FILL TO MEET APPLICATION REQUIREMENTS.
3. SILTSOXX DEPICTED IS FOR MINIMUM SLOPES. GREATER SLOPES MAY REQUIRE LARGER SOCKS PER THE ENGINEER.
4. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

A FILTREXX SILTSOXX DETAIL "SEDIMENT BARRIER OPTION"
N.T.S.



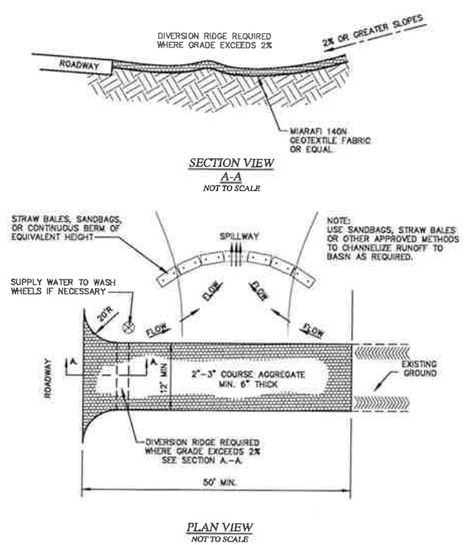
INSTALLATION:
1. EXCAVATE A 6" X 6" TRENCH ALONG THE LINE OF PLACEMENT FOR THE FILTER BARRIER.
2. UNROLL A SECTION AT A TIME AND POSITION THE POSTS AGAINST THE BACK (DOWNSTREAM) WALL OF THE TRENCH.
3. DRIVE POSTS INTO THE GROUND UNTIL APPROXIMATELY 2" OF FABRIC IS LYING ON THE TRENCH BOTTOM.
4. LAY THE TOE-IN FLAP OF FABRIC ONTO THE UNDISTURBED BOTTOM OF THE TRENCH. BACK FILL THE TRENCH AND TAMP THE SOIL.
5. JOIN SECTION AS SHOWN IN TOP VIEW.
6. BARRIER SHALL BE MIRAFI SILT FENCE (100X) OR APPROVED EQUIVALENT.
7. A STONE "FILLET" MAY BE USED FOR ANCHORING FABRIC IF IT CANNOT BE KEYED IN.

B SILT FENCE DETAIL "SEDIMENT BARRIER OPTION"
N.T.S.



NOTES:
1. CATCH BASIN PROTECTION TO BE "SILTSACK" (BY ACF ENVIRONMENTAL) OR "STREAM GUARD" (BY FOSS ENVIRONMENTAL SERVICES).
2. INSERT TO BE EMPTIED IN AN APPROVED MANNER WHEN IT IS 1/2 FULL OF SEDIMENT.
3. INSPECT INSERT AFTER ALL RAINFALL EVENTS, REPAIR AND MAINTAIN AS REQUIRED.

C TEMPORARY INLET PROTECTION DETAIL
N.T.S.



NOTE:
1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAYS. THIS MAY REQUIRE TOP DRESSING, REPAIR, AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT.
2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAYS.
3. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR BASIN.

D STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

EROSION AND SEDIMENTATION NOTES:
1. CONTRACTOR SHALL FOLLOW BEST MANAGEMENT PRACTICES OF THE CUMBERLAND COUNTY SOIL CONSERVATION SERVICE AND THE MAINE DEP BEST MANAGEMENT PRACTICES HANDBOOK.

GENERAL EROSION AND SEDIMENTATION CONTROL PRACTICES:
EROSION/SEDIMENT CONTROL DEVICES:
THE FOLLOWING EROSION SEDIMENTATION CONTROL DEVICES ARE PROPOSED FOR CONSTRUCTION ON THIS PROJECT. INSTALL THESE DEVICES AS INDICATED ON THE PLANS.

1. SEDIMENT BARRIER: SILT SOXX OR APPROVED EQUAL WILL BE INSTALLED ALONG THE DOWN GRADING EDGES OF DISTURBED AREAS TO TRAP RUNOFF BORNE SEDIMENTS UNTIL THE SITE IS STABILIZED. IN AREAS WHERE STORMWATER DISCHARGES THE SEDIMENT BARRIER WILL BE REINFORCED WITH HAY BALES TO HELP MAINTAIN THE INTEGRITY OF THE SEDIMENT BARRIER AND TO PROVIDE ADDITIONAL TREATMENT.

2. HAY BALES: HAY BALES TO BE PLACED IN LOW FLOW DRAINAGE SWALES AND PATHS TO TRAP SEDIMENTS AND REDUCE RUNOFF VELOCITIES. DO NOT PLACE HAY BALES IN FLOWING WATER OR STREAMS.

3. RIPRAP: PROVIDE RIPRAP IN AREAS WHERE CULVERTS DISCHARGE OR AS SHOWN ON THE PLANS.

4. LOAM, SEED, & MULCH: ALL DISTURBED AREAS, WHICH ARE NOT OTHERWISE TREATED, SHALL RECEIVE PERMANENT SEEDING AND MULCH TO STABILIZE THE DISTURBED AREAS. THE DISTURBED AREAS WILL BE REVEGETATED WITHIN 5 DAYS OF FINAL GRADING. SEEDING REQUIREMENTS ARE PROVIDED AT THE END OF THIS SPECIFICATION.

5. STRAW AND HAY MULCH: USED TO COVER DENUDED AREAS UNTIL PERMANENT SEED OR EROSION CONTROL MEASURES ARE IN PLACE. MULCH BY ITSELF CAN BE USED ON SLOPES LESS THAN 15% IN SUMMER AND 8% IN WINTER. JUTE MESH IS TO BE USED OVER MULCH ONLY.

6. IN LIEU OF MULCH, USE EROSION CONTROL BLANKET (EQUAL TO NORTH AMERICAN GREEN SC150) TO STABILIZE AREAS OF CONCENTRATED FLOW AND DRAINAGE WAYS.

TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES:
PROVIDE THE FOLLOWING TEMPORARY EROSION/SEDIMENTATION CONTROL MEASURES DURING CONSTRUCTION OF THE DEVELOPMENT:

1. SEDIMENT BARRIER ALONG THE DOWNGRADIENT SIDE OF THE PARKING AREAS AND OF ALL FILL SECTIONS. THE SEDIMENT BARRIER WILL REMAIN IN PLACE UNTIL THE SITE IS 85% REVEGETATED.

2. HAY BALES PLACED AT KEY LOCATIONS TO SUPPLEMENT THE SEDIMENT BARRIER.

3. PROTECT TEMPORARY STOCKPILES OF STUMPS, GRUBBINGS, OR COMMON EXCAVATION AS FOLLOWS:
   A. SOIL STOCKPILE SIDE SLOPES SHALL NOT EXCEED 2:1.
   B. AVOID PLACING TEMPORARY STOCKPILES IN AREAS WITH SLOPES OVER 10 PERCENT, OR NEAR DRAINAGE SWALES. SEE ITEM 3 IN CONSTRUCTION PHASE NOTES BELOW.
   C. STABILIZE STOCKPILES WITHIN 15 DAYS BY TEMPORARILY SEEDING WITH A HYDROSEED METHOD CONTAINING AN EMULSIFIED MULCH TACKIFIER OR BY COVERING THE STOCKPILE WITH MULCH.
   D. SURROUND STOCKPILE SOIL WITH SEDIMENT BARRIER AT BASE OF PILE.

4. ALL DENUDED AREAS WHICH HAVE BEEN ROUGH GRADED AND ARE NOT LOCATED WITHIN THE BUILDING PAD, OR PARKING AND DRIVEWAY SUBBASE AREA SHALL RECEIVE MULCH WITHIN 30 DAYS OF INITIAL DISTURBANCE OF SOIL OR WITHIN 15 DAYS AFTER COMPLETING THE ROUGH GRADING OPERATIONS. IN THE EVENT THE CONTRACTOR COMPLETES FINAL GRADING AND INSTALLATION OF LOAM AND SOD WITHIN THE TIME PERIODS PRESENTED ABOVE, INSTALLATION OF MULCH AND NETTING, WHERE APPLICABLE, IS NOT REQUIRED.

5. IF WORK IS CONDUCTED BETWEEN OCTOBER 15 AND APRIL 15, ALL DENUDED AREAS ARE TO BE COVERED WITH HAY MULCH, APPLIED AT TWICE THE NORMAL APPLICATION RATE, AND ANCHORED WITH FABRIC NETTING. THE PERIOD BETWEEN FINAL GRADING AND MULCHING SHALL BE REDUCED TO A 15 DAY MAXIMUM.

6. TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED ONCE THE SITE HAS BEEN STABILIZED OR IN AREAS WHERE PERMANENT EROSION CONTROL MEASURES HAVE BEEN INSTALLED.

PERMANENT EROSION CONTROL MEASURES:
THE FOLLOWING PERMANENT CONTROL MEASURES ARE REQUIRED BY THIS EROSION/SEDIMENTATION CONTROL PLAN:

1. ALL AREAS DISTURBED DURING CONSTRUCTION, BUT NOT SUBJECT TO OTHER RESTORATION (PAVING, RIPRAP, ETC.), WILL BE LOAMED, LIMED, FERTILIZED AND SEEDED. NATIVE TOPSOIL SHALL BE STOCKPILED AND REUSED FOR FINAL RESTORATION WHEN IT IS OF SUFFICIENT QUALITY.

2. SLOPES GREATER THAN 2:1 WILL RECEIVE RIPRAP. (NONE ANTICIPATED)

POST-CONSTRUCTION REVEGETATION:
THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION AS SOON AS AN AREA IS READY TO UNDERGO FINAL GRADING.

1. A MINIMUM OF 6" OF LOAM WILL BE SPREAD OVER DISTURBED AREAS AND GRADED TO A UNIFORM DEPTH AND NATURAL APPEARANCE, OR STONE WILL BE PLACED ON SLOPES TO STABILIZE SURFACES.

2. IF FINAL GRADING IS REACHED DURING THE NORMAL GROWING SEASON (4/15 TO 9/15), PERMANENT SEEDING WILL BE DONE AS SPECIFIED BELOW. PRIOR TO SEEDING, LIMESTONE SHALL BE APPLIED AT A RATE OF 138 LBS/1000 SQ. FT. AND 10:20:20 FERTILIZER AT A RATE OF 18.4 LBS/1000 SQ.FT WILL BE APPLIED. BROADCAST SEEDING AT THE FOLLOWING RATES:

LAWNS SHALL BE: ALLEN, STERLING & LATHROP "TUFFTURF", 70% DIAMOND TALL FESCUE, 20% PLEASURE OLUS PERENNIAL RYEGRASS, 10% BARON KENTUCKY BLUEGRASS. SEEDING RATE SHALL BE 7-LBS./1,000 SQ. FT.

SWALES SHALL BE: WILDFLOWER MEADOW: (SEED) FESTUCA OVINA SHEEP FESCUE; SOW AT A RATE OF 12 OZ. PER 1,000 SQFT. TRIFOLIUM REPENS WHITE CLOVER; SOW AT A RATE OF ½ OZ.PER 1,000 SQFT. (FLOWERS) ACHILLEA MILLEFOLIUM YARROW, AQUILEGEA CANADENSIS COLUMBINE, ASCLEPIAS TUBEROSE BUTTERFLY MILKWEED, ASTER NOVAE-ANGLIAE NEW-ENGLAND ASTER, BAPTISIA AUSTRALIS WLD INDIGO, BOLTONIA ASTEROIDS FALSE ASTER, CHRYSANTHEMUM LEUCANTHEMUM OXEYE DAISY, DIGITALIS PURPUREA FOXGLOVE, ECHINACEA PURPUREA PURPLE CONEFLOWER, LUPINUS PERENNIS LUPINE, MONARDA FISTULOSA BERGAMOT, PAPAVER ORIENTALE ORIENTAL POPY, RUDBECKIA HIRTA BLACK-EYED SUSAN, SALVIA OFFICINALIS SAGE; SOW AT A RATE OF 1/3 OZ. EACH PER 1,000 SQFT. OR 4 OZ. PER 1,000 SQFT. IN COMBINATION

3. AN AREA SHALL BE MULCHED IMMEDIATELY AFTER IS HAS BEEN SEEDED. MULCHING SHALL CONSIST OF HAY MULCH, HYDRO-MULCH, JUTE NET OVER MULCH, PRE-MANUFACTURED EROSION MATS OR ANY SUITABLE SUBSTITUTE DEEMED ACCEPTABLE BY THE DESIGNER.
   A. HAY MULCH SHALL BE APPLIED AT THE RATE OF 2 TONS PER ACRE. HAY MULCH SHALL BE SECURED BY EITHER: (NOTE: SOIL SHALL NOT BE VISIBLE)
      I. BEING DRIVEN OVER BY TRACKED CONSTRUCTION EQUIPMENT ON GRADES OF 5% AND LESS.
      II. BLANKETED BY TACKED PHOTODEGRADABLE/BIODEGRADABLE NETTING, OR WITH SPRAY, ON GRADES GREATER THAN 5%.
      III. SEE NOTE 8, GENERAL NOTES, AND NOTE 8, WINTER CONSTRUCTION.
   B. HYDRO-MULCH SHALL CONSIST OF A MIXTURE OF EITHER ASPHALT, WOOD FIBER OR PAPER FIBER AND WATER SPRAYED OVER A SEEDED AREA. HYDRO-MULCH SHALL NOT BE USED BETWEEN 9/15 AND 4/15.

4. CONSTRUCTION SHALL BE PLANNED TO ELIMINATE THE NEED FOR SEEDING BETWEEN SEPTEMBER 15 AND APRIL 15. SHOULD SEEDING BE NECESSARY BETWEEN SEPTEMBER 15 AND APRIL 15 THE FOLLOWING PROCEDURE SHALL BE FOLLOWED. ALSO REFER TO NOTE 9 OF WINTER CONSTRUCTION.
   A. ONLY UNFROZEN LOAM SHALL BE USED.
   B. LOAMING, SEEDING AND MULCHING WILL NOT BE DONE OVER SNOW OR ICE COVER. IF SNOW EXISTS, IT MUST BE REMOVED PRIOR TO PLACEMENT OF SEED.
   C. WHERE PERMANENT SEEDING IS NECESSARY, ANNUAL WINTER RYE (1.2 LBS/1000 SQ.FT) SHALL BE ADDED TO THE PREVIOUSLY NOTED AREAS.
   D. WHERE TEMPORARY SEEDING IS REQUIRED, ANNUAL WINTER RYE (2.6 LBS/1000 SQ. FT.) SHALL BE SOWN INSTEAD OF THE PREVIOUSLY NOTED SEEDING RATE.
   E. FERTILIZING, SEEDING AND MULCHING SHALL BE APPLIED TO LOAM THE DAY THE LOAM IS SPREAD BY MACHINERY.
   F. ALTERNATIVE HAY MULCH SHALL BE SECURED WITH PHOTODEGRADABLE/BIODEGRADABLE NETTING. TRACKING BY MACHINERY ALONE WILL NOT SUFFICE.

5. FOLLOWING FINAL SEEDING, THE SITE WILL BE INSPECTED EVERY 30 DAYS UNTIL 85% COVER HAS BEEN ESTABLISHED. RESEEDING WILL BE CARRIED OUT BY THE CONTRACTOR WITHIN 10 DAYS OF NOTIFICATION BY THE ENGINEER THAT THE EXISTING CATCH IS INADEQUATE.

MONITORING SCHEDULE:
THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING, MONITORING, MAINTAINING, REPAIRING, REPLACING AND REMOVING ALL OF THE EROSION AND SEDIMENTATION CONTROLS OR APPOINTING A QUALIFIED SUBCONTRACTOR TO DO SO. MAINTENANCE MEASURES WILL BE APPLIED AS NEEDED DURING THE ENTIRE CONSTRUCTION CYCLE. AFTER EACH RAINFALL, A VISUAL INSPECTION WILL BE MADE OF ALL EROSION AND SEDIMENTATION CONTROLS AS FOLLOWS:

1. HAY BALE BARRIERS, SEDIMENT BARRIER, AND STONE CHECK DAMS SHALL BE INSPECTED AND REPAIRED ONCE A WEEK OR IMMEDIATELY FOLLOWING ANY SIGNIFICANT RAINFALL. SEDIMENT TRAPPED BEHIND THESE BARRIERS SHALL BE EXCAVATED WHEN IT REACHES A DEPTH OF 6" AND REDISTRIBUTED TO AREAS UNDERGOING FINAL GRADING. SHOULD THE HAY BALE BARRIERS PROVE TO BE INEFFECTIVE, THE CONTRACTOR SHALL INSTALL SEDIMENT BARRIER BEHIND THE HAY BALES.

2. VISUALLY INSPECT RIPRAP ONCE A WEEK OR AFTER EACH SIGNIFICANT RAINFALL AND REPAIR AS NEEDED. REMOVE SEDIMENT TRAPPED BEHIND THESE DEVICES ONCE IT ATTAINS A DEPTH EQUAL TO 1/2 THE HEIGHT OF THE DAM OR RISER. DISTRIBUTE REMOVED SEDIMENT OFF-SITE OR TO AN AREA UNDERGOING FINAL GRADING.

3. REVEGETATION OF DISTURBED AREAS WITHIN 25' OF DRAINAGE-COURSE/STREAM WILL BE SEEDED WITH THE "MEADOW AREA MIX" AND INSPECTED ON A WEEKLY BASIS OR AFTER EACH SIGNIFICANT RAINFALL AND RESEEDED AS NEEDED. EXPOSED AREAS WILL BE RESEEDED AS NEEDED UNTIL THE AREA HAS OBTAINED 100% GROWTH RATE. PROVIDE PERMANENT RIPRAP FOR SLOPES IN EXCESS OF 3:1 AND WITHIN 25' OF DRAINAGE COURSE.

CONSTRUCTION PHASE:
THE FOLLOWING GENERAL PRACTICES WILL BE USED TO PREVENT EROSION DURING CONSTRUCTION OF THIS PROJECT.

1. ONLY THOSE AREAS UNDER ACTIVE CONSTRUCTION WILL BE CLEARED AND LEFT IN AN UNTREATED OR UNVEGETATED CONDITION. IF FINAL GRADING, LOAMING AND SEEDING WILL NOT OCCUR WITHIN 15 DAYS, SEE ITEM NO. 4.

2. PRIOR TO THE START OF CONSTRUCTION IN A SPECIFIC AREA, SEDIMENT BARRIER AND/OR HAY BALES WILL BE INSTALLED AT THE TOE OF SLOPE AND IN AREAS AS LOCATED ON THE PLANS TO PROTECT AGAINST ANY CONSTRUCTION RELATED EROSION. IMMEDIATELY FOLLOWING CONSTRUCTION OF CULVERTS AND SWALES, RIP RAP APRONS SHALL BE INSTALLED, AS SHOWN ON THE PLANS.

3. TOPSOIL WILL BE STOCKPILED WHEN NECESSARY IN AREAS WHICH HAVE MINIMUM POTENTIAL FOR EROSION AND WILL BE KEPT AS FAR AS POSSIBLE FROM THE EXISTING DRAINAGE COURSE. NO STOCKPILE SHALL BE CLOSER THEN 100' OF A RESOURCE INCLUDING, BUT NOT LIMITED TO, WETLANDS, STREAMS, AND OPEN WATER BODIES. ALL STOCKPILES SHALL HAVE A SEDIMENT BARRIER BELOW THEM REGARDLESS OF TIME OF PRESENCE. ALL STOCKPILES EXPECTED TO REMAIN LONGER THAN 15 DAYS SHALL BE:
   A. TREATED WITH ANCHORED MULCH (WITHIN 5 DAYS OF THE LAST DEPOSIT OF STOCKPILED SOIL).
   B. SEEDED WITH CONSERVATION MIX AND MULCHED IMMEDIATELY.
   C. INSTALL SEDIMENT BARRIER AROUND STOCKPILE AT BASE OF PILE. STOCKPILES TO HAVE SEDIMENT BARRIER INSTALLED AT TIME OF ESTABLISHMENT AT BASE OF PILE.

4. ALL DISTURBED AREAS EXPECTED TO REMAIN LONGER THAN 30 DAYS SHALL BE EITHER:
   A. TREATED WITH ANCHORED MULCH IMMEDIATELY, OR
   B. SEEDED WITH CONSERVATION MIX OF ANNUAL RYE GRASS (0.9 LBS/1000 SQ. FT) AND MULCHED IMMEDIATELY.

5. ALL GRADING WILL BE HELD TO A MAXIMUM 2:1 SLOPE WHERE PRACTICAL. ALL SLOPES WILL BE STABILIZED WITH PERMANENT SEEDING, OR WITH STONE, WITHIN 5 DAYS AFTER FINAL GRADING IS COMPLETE. (SEE POST-CONSTRUCTION REVEGETATION FOR SEEDING SPECIFICATION.)

6. ALL CULVERTS WILL BE PROTECTED WITH STONE RIPRAP (D50 = 6" UNLESS OTHERWISE SPECIFIED) AT INLETS AND OUTLETS.

7. EXISTING TREES REMOVED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE GROUND AND USED FOR MULCH OR HAULED OFF-SITE TO AN APPROVED FACILITY FOR GRINDING OR OTHER DISPOSAL. STUMPS SHALL ALSO BE GROUND AND USED FOR MULCHED OR REMOVED FROM THE SITE TO AN APPROVED FACILITY FOR GRINDING OR OTHER DISPOSAL. BURYING OF STUMPS IS PROHIBITED.

EROSION CONTROL DURING WINTER CONSTRUCTION:
1. WINTER CONSTRUCTION PERIOD: NOVEMBER 1 THROUGH APRIL 15.

2. WINTER EXCAVATION AND EARTHWORK SHALL BE COMPLETED SUCH THAT NO MORE THAN 1 ACRE OF THE SITE IS WITHOUT STABILIZATION AT ANY ONE TIME.

3. EXPOSED AREA SHALL BE LIMITED TO THOSE AREAS TO BE MULCHED IN ONE DAY PRIOR TO ANY SNOW EVENT. AT THE END OF EACH WORK WEEK NO AREAS MAY BE LEFT UNSTABILIZED OVER THE WEEKEND.

4. CONTINUATION OF EARTHWORK OPERATIONS ON ADDITIONAL AREAS SHALL NOT BEGIN UNTIL THE EXPOSED SOIL SURFACE ON THE AREA BEING WORKED HAS BEEN STABILIZED, SUCH THAT NO LARGER AREA OF THE SITE IS WITHOUT EROSION CONTROL PROTECTION AS LISTED IN ITEM 2 ABOVE.

5. AN AREA SHALL BE CONSIDERED TO HAVE BEEN STABILIZED WHEN EXPOSED SURFACES HAVE BEEN EITHER MULCHED WITH STRAW OR HAY AT A RATE OF 150 LB. PER 1000 S.F. (WITH OR WITHOUT SEEDING) OR DORMANT SEEDED, MULCHED AND ANCHORED SUCH THAT SOIL SURFACE IS NOT VISIBLE THROUGH THE MULCH. NOTE: AN AREA IS ALSO CONSIDERED STABLE IF SODDED, COVERED WITH GRAVEL (PARKING LOTS) OR STRUCTURAL SAND.

6. BETWEEN THE DATES OF OCTOBER 15 AND APRIL 1, LOAM OR SEED WILL NOT BE REQUIRED. DURING PERIODS OF ABOVE FREEZING TEMPERATURES THE SLOPES SHALL BE FINE GRADED AND EITHER PROTECTED WITH MULCH OR TEMPORARILY SEEDED AND MULCHED UNTIL SUCH TIME AS THE FINAL TREATMENT CAN BE APPLIED. IF THE DATE IS AFTER NOVEMBER 1 AND IF THE EXPOSED AREA HAS BEEN LOAMED, FINAL GRADED WITH A UNIFORM SURFACE, THEN THE AREA MAY BE DORMANT SEEDED AT A RATE OF 3 TIMES HIGHER THAN SPECIFIED FOR PERMANENT SEED AND THEN MULCHED. IF CONSTRUCTION CONTINUES DURING FREEZING WEATHER, ALL EXPOSED AREAS SHALL BE CONTINUOUSLY GRADED BEFORE FREEZING AND THE SURFACE TEMPORARILY PROTECTED FROM EROSION BY THE APPLICATION OF MULCH. SLOPES SHALL NOT BE LEFT UNEXPOSED OVER THE WINTER OR ANY OTHER EXTENDED TIME OF WORK SUSPENSION UNLESS TREATED IN THE ABOVE MANNER. UNTIL SUCH TIME AS WEATHER CONDITIONS ALLOW, DITCHES TO BE FINISHED WITH THE PERMANENT SURFACE TREATMENT, EROSION SHALL BE CONTROLLED BY THE INSTALLATION OF BALES OF HAY, SEDIMENT BARRIER OR STONE CHECK DAMS IN ACCORDANCE WITH THE STANDARD DETAILS SHOWN ON THE DESIGN DRAWINGS. NOTE: DORMANT SEEDING SHOULD NOT BE ATTEMPTED UNLESS SOIL TEMPERATURE REMAINS BELOW 50 DEGREES AND DAY TIME TEMPERATURES REMAIN IN THE 30'S.

7. MULCH NETTING SHALL BE USED TO ANCHOR MULCH IN ALL DRAINAGE WAYS, SLOPES GREATER THAN 3% FOR SLOPES EXPOSED TO DIRECT WINDS AND FOR ALL OTHER SLOPES GREATER THAN 8% VEGETATED DRAINAGE SWALES SHALL BE LINED WITH EXCELSIOR OR CURLEX.

8. BETWEEN THE DATES OF OCTOBER 15 TO NOVEMBER 1, WINTER RYE IS RECOMMENDED FOR STABILIZATION. AFTER NOVEMBER 1, WINTER RYE IS NOT EFFECTIVE. AROUND NOVEMBER 15 OR LATER, ONCE TEMPERATURES OF THE AIR AND SOIL PERMIT, DORMANT SEEDING IS EFFECTIVE.

9. IN THE EVENT OF SNOWFALL (FRESH OR CUMULATIVE) GREATER THAN 1 INCH DURING WINTER CONSTRUCTION PERIOD ALL SNOW SHALL BE REMOVED FROM THE AREAS OF SEEDING AND MULCHING PRIOR TO PLACEMENT.

SITE INSPECTION AND MAINTENANCE:
1. WEEKLY INSPECTIONS, AS WELL AS ROUTINE INSPECTIONS FOLLOWING RAIN FALLS, SHALL BE CONDUCTED BY THE GENERAL CONTRACTOR OF ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES UNTIL FINAL ACCEPTANCE OF THE PROJECT (85% GRASS CATCH). NECESSARY REPAIRS SHALL BE MADE TO CORRECT UNDERMINING OR DETERIORATION. FINAL ACCEPTANCE SHALL INCLUDE A SITE INSPECTION TO VERIFY THE STABILITY OF ALL DISTURBED AREAS AND SLOPES. UNTIL FINAL INSPECTION, ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL IMMEDIATELY BE CLEANED, AND REPAIRED BY THE GENERAL CONTRACTOR AS REQUIRED. DISPOSAL OF ALL TEMPORARY EROSION AND CONTROL DEVICES SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

IT IS RECOMMENDED THAT THE OWNER HIRE THE SERVICES OF THE DESIGN ENGINEER TO PROVIDE COMPLIANCE INSPECTIONS (DURING ACTIVE CONSTRUCTION) RELATIVE TO IMPLEMENTATION OF THE STORMWATER AND EROSION CONTROL PLANS. SUCH INSPECTIONS SHOULD BE LIMITED TO ONCE A WEEK OR AS NECESSARY AND BE REPORTABLE TO THE OWNER, TOWN AND DEP.

2. SHORT-TERM SEDIMENTATION MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CLEAN OUT ALL SWALES AND STRUCTURES PRIOR TO TURNING PROJECT OVER.

3. LONG-TERM PROVISIONS FOR PERMANENT MAINTENANCE OF ALL EROSION AND SEDIMENTATION CONTROL DEVICES AFTER ACCEPTANCE OF THE PROJECT SHALL BE THE RESPONSIBILITY OF THE OWNER.

1.	02/21/13	SUBMITTED TO TOWN OF BRUNSWICK FOR APPROVAL CYN

TITLE: EROSION CONTROL DETAILS & NOTES

PROJECT: UNITARIAN UNIVERSALIST CHURCH REDEVELOPMENT PROJECT

OWNER: UNITARIAN UNIVERSALIST CHURCH OF BRUSWICK
15 PLEASANT STEET, BRUNSWICK, MAINE 04011

STATE OF MAINE CURTIS Y. NEUFELD 9779 LICENSED PROFESSIONAL ENGINEER

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8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM	SCALE: 1"=10'	SHEET: C6
DRN BY: RPL	JOB #: 1958	
CH'D BY: CYN	SS:	
DATE: 03-12-12	FILE: 1958-COVERDET	

PROGRESS PRINT
NOT FOR CONSTRUCTION

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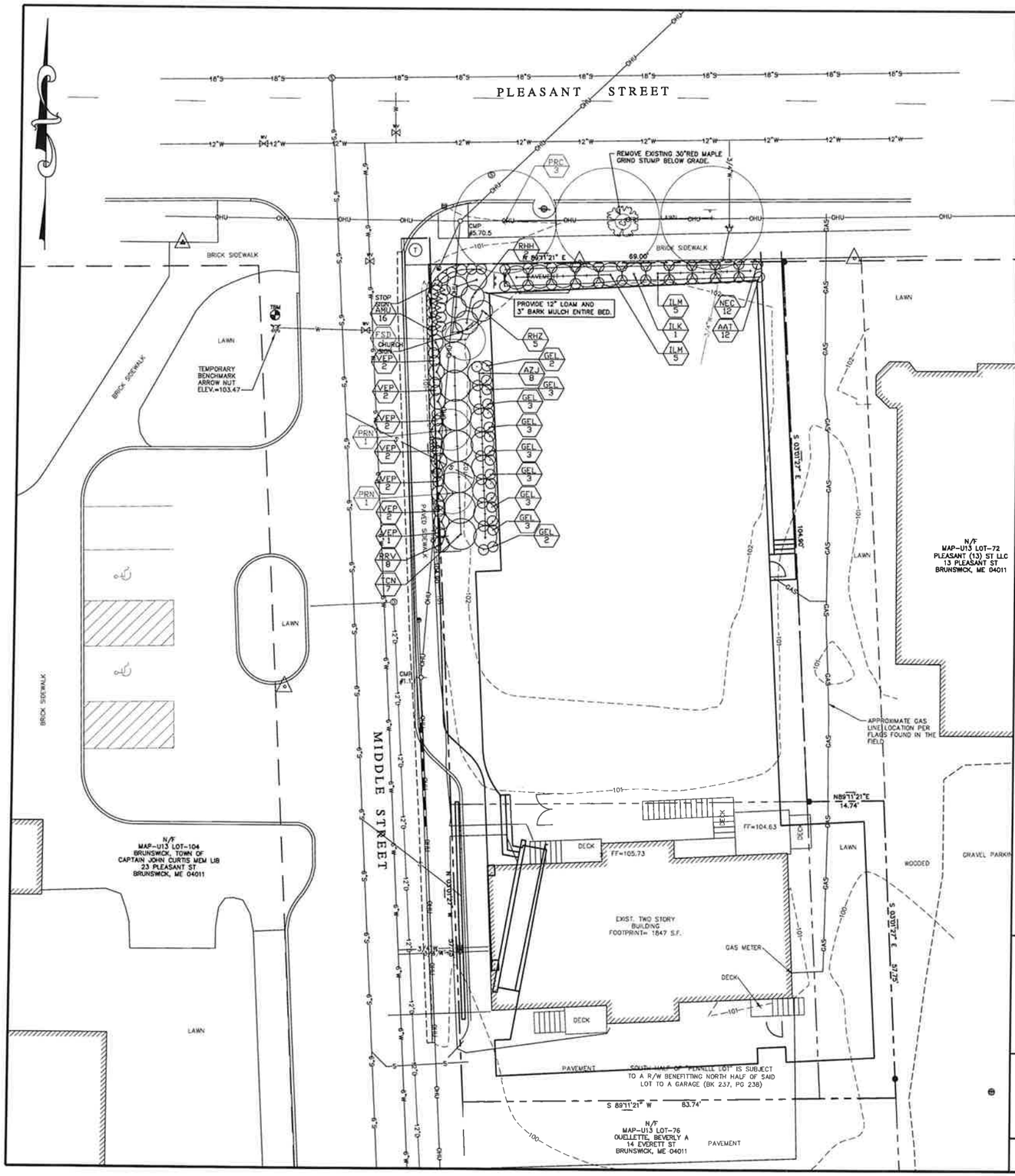
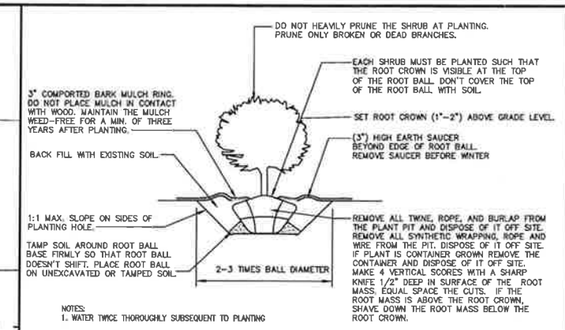
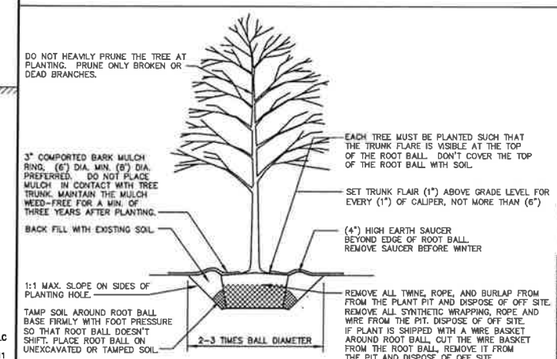




NOTES:
1. WATER TWICE THOROUGHLY SUBSEQUENT TO PLANTING

SHRUB PLANTING DETAIL - IN ALL SOIL TYPES
NOT TO SCALE



NOTE:
1. MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHEN EVER POSSIBLE.
2. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT SEE STAKING DETAIL.
3. WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE WRAPPING DETAIL.
4. WATER TWICE THOROUGHLY SUBSEQUENT TO PLANTING

TREE PLANTING DETAIL - B&B TREES IN ALL SOIL TYPES
NOT TO SCALE

PLANTING NOTES

1. Composted bark mulch shall be spread on all shrub beds and tree pits 3" deep but not touching the trunk. New shrub beds shall have loam spread to a depth of 12"
2. Plant material shall conform in all ways to the minimum standards set forth in The American Standards for Nursery Stock, published by the American Association of Nurserymen, 230 Southern Building, Washington, D.C. The following sections shall apply: Section 1, Section 2, Section 3, Section 5, and Section 11.
3. No fertilizer shall be applied to new plantings. Only Super-Phosphate may be used to promote rooting.
   a) In the first spring subsequent to new plantings, fertilize new trees and shrubs. The fertilizer shall be 20-10-5 Agriform planting tablets in 21 gram size for trees and10 gram size for shrubs. Place tablets in soil drills equal spaced at the plant branch drip line. Provide 20 grams of fertilizer for each ½ inch of caliper of tree trunk at the base and 20 grams of fertilizer for each 18 inches of shrub height or spread. Back fill the holes. Repeat the fertilizer application after 24 months.
   b) In the spring, fertilize perennials and herbaceous plants. The fertilizer shall be Osmocote-Plus 15-9-12 (6 mon.). Apply at a rate of 1 Tbs. (15 grams) per 2 gallon size or 4 sqft. of plant bed. Incorporate well into the surface mulch.
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4. Any substitute for plant material species or size must be consulted with and approved by the Landscape Architect and the. The plant schedule shall have precedence over any conflicts with plant quantities on the plan. Notify the Landscape Architect of any conflict.
5. All grading and construction must be complete before planting can be installed.
6. The Landscape Architect shall approve plant spacing prior to planting. The Landscape Contractor shall notify the project Landscape Architect 7 days prior to layout and installation.
7. Installation of plant material and lawns shall be in accordance with part 1, 2, 3 and 4 of the Maine Nurserymen's Association Landscape Contract Specifications, Dec. 1989. Evergreen trees 8' and taller must be staked.

Date: May 2, 2012

PLANT SCHEDULE

ID NO.	BOTANICAL NAME	COMMON NAME	QTY.	SIZE
Trees:				
FSD	Fagus sylvatica 'Dawyck Purple'	Columnar Purple Beech	1	2"
PRC	Prunus 'Accolade'	Ornamental Cherry	3	2"
PRN	Prunus x 'Crimson Pointe'	Columnar Purple Cherry	2	2"
123	SAMPLE	SAMPLE	1	1
Shrubs:				
AZJ	Azalea schlippenbachii	Royal Azalea	8	2-2.5'
ILK	Ilex x meserveae 'Castle Spire'	Blue Holly	1	#5
ILM	Ilex x meserveae 'Castle Wall'	Blue Holly	10	#5
RHH	Rhododendron 'Aglo'	Aglo Rhododendron	3	#5
RHZ	Rhododendron 'Bubblegum'	Bubblegum Rhododendron	5	#5
RRV	Rosa 'Oso Easy Paprika'	Orange Oso Easy Rose	8	no.1 rose
TCN	Taxus cuspidata 'Nigra'	Dark Spreading Japanese Yew	7	2-2.5'
123	SAMPLE	SAMPLE	1	1
Perennials:				
AAT	Astilbe chinensis 'Purpurkerze'	Purple Candle Astilbe	12	1 Gallon
AMU	Amsonia tabernaemontana 'Blue Ice'	Blue Ice Blue Star	18	1 Gallon
GEL	Geranium cantabrigiense 'Biokovo'	Biokovo Cranesbill	25	1 Gallon
NEC	Nepata subsessilis	Japanese Calmint	12	1 Gallon
VEP	Veronica spicata 'Goodness Grows'	Speedwell	13	1 Gallon
123	SAMPLE	SAMPLE	1	1

F. A. CUSHING, Inc.
Master Planning and Landscape Architecture
8 Cumberland Street, Brunswick, Maine 04011 (207) 751-2416

2.	06/25/12	ISSUED FOR OWNER REVIEW	CYN
1.	05/01/12	SUBMITTED TO TOWN OF BRUNSWICK FOR APPROVAL	JJM

CALL DIG SAFE UTILITY LOCATION
1-888-344-7233
STATE LAW REQUIRES ADVANCE NOTICE OF AT LEAST 3 BUSINESS DAYS BEFORE YOU DIG, GRADE OR EXCAVATE FOR THE MARKING OF UNDERGROUND UTILITIES

STATE OF MAINE FRANCIS A. CUSHING # 63 REGISTERED LANDSCAPE ARCHITECT

GRAPHIC SCALE
10' 0 5' 10' 20' 40'
(IN FEET)
1 inch = 10' ft.

STATE OF MAINE CURTIS Y. NEUFELD 9779 LICENSED PROFESSIONAL ENGINEER

PROGRESS PRINT
NOT FOR CONSTRUCTION

LANDSCAPE PLAN

UNITARIAN UNIVERSALIST CHURCH REDEVELOPMENT PROJECT

UNITARIAN UNIVERSALIST CHURCH OF BRUSWICK
15 PLEASANT STEET, BRUNSWICK, MAINE 04011

SITELINES, PA
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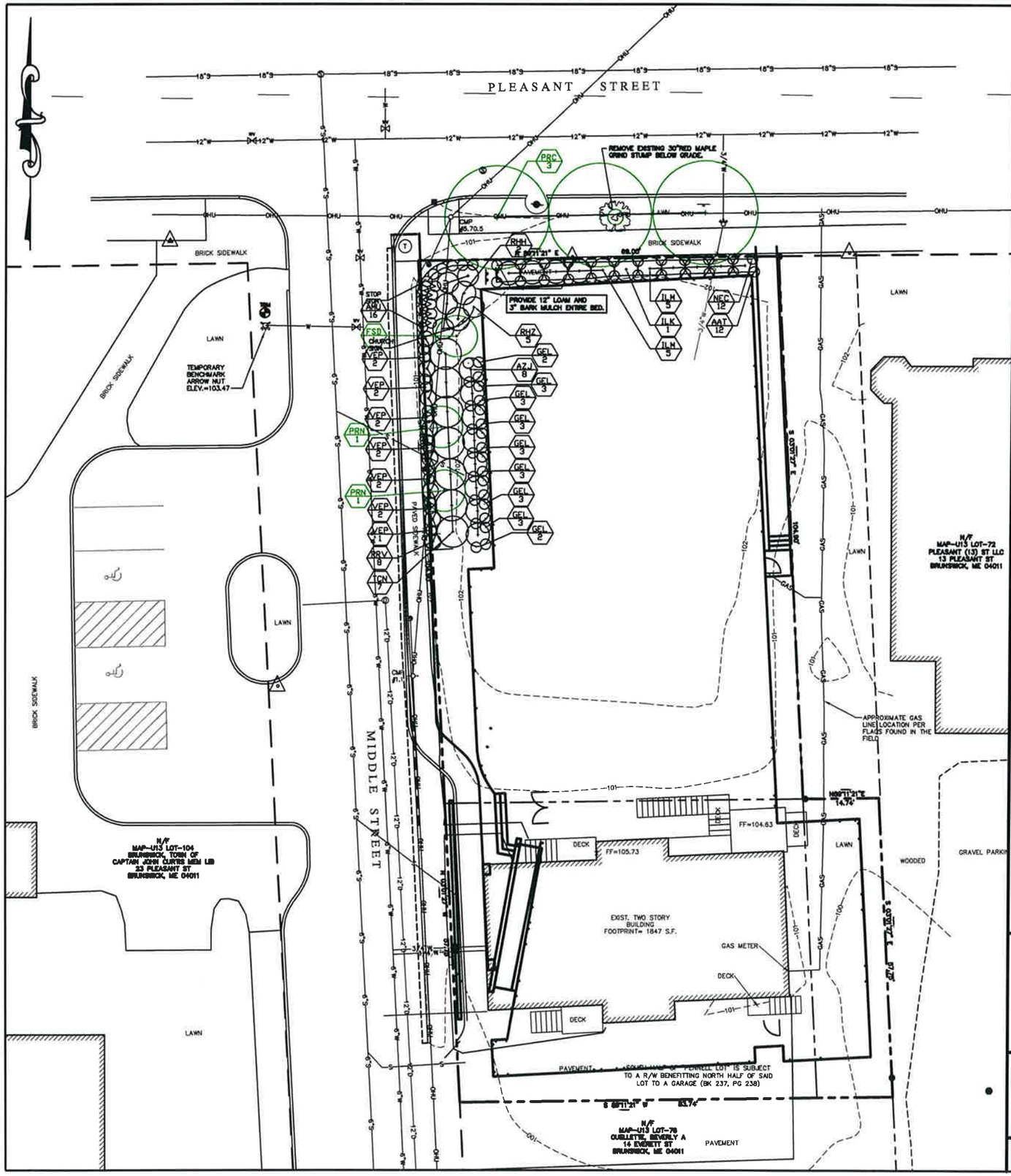
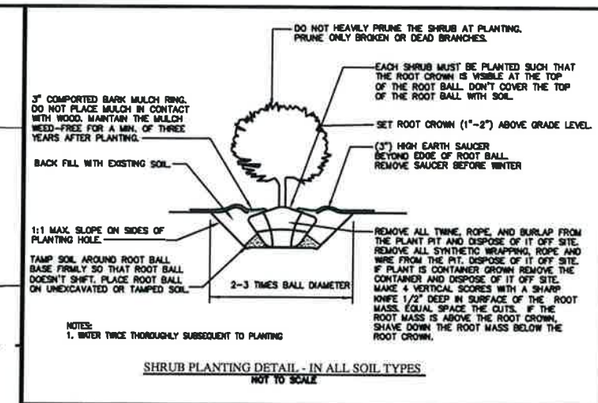
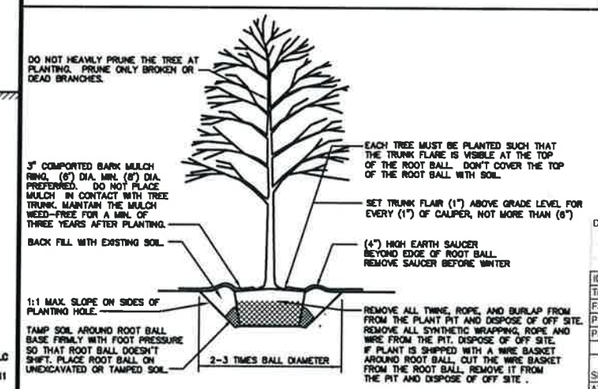
LANDSCAPE ARCHITECTS
8 CUMBERLAND STREET, BRUNSWICK, ME 04011
207.725.1200 www.sitelinespa.com

FIELD WK: BWM	SCALE: 1"=10'	SHEET: L 1
DRN BY: RPL	JOB #: 1958	
CH'D BY: CYN	SS:	
DATE: 03-12-12	FILE: ACAD-1858 LANDSCAPE PLAN	





SHRUB PLANTING DETAIL - IN ALL SOIL TYPES
NOT TO SCALE



NOTE:
1. MARK THE NORTH SIDE OF THE TREE IN THE NURSERY, AND ROTATE TREE TO FACE NORTH AT THE SITE WHEN EVER POSSIBLE.
2. STAKE TREES ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT SEE STAKING DETAIL.
3. WRAP TREE TRUNKS ONLY UPON THE APPROVAL OF THE LANDSCAPE ARCHITECT. SEE WRAPPING DETAIL.
4. WATER TWICE THOROUGHLY SUBSEQUENT TO PLANTING

TREE PLANTING DETAIL - B&B TREES IN ALL SOIL TYPES
NOT TO SCALE

PLANTING NOTES

1. Composted bark mulch shall be spread on all shrub beds and tree pits 3" deep but not touching the trunk. New shrub beds shall have loam spread to a depth of 12"
2. Plant material shall conform in all ways to the minimum standards set forth in The American Standards for Nursery Stock, published by the American Association of Nurserymen, 230 Southern Building, Washington, D.C. The following sections shall apply: Section 1, Section 2, Section 3, Section 5, and Section 11.
3. No fertilizer shall be applied to new plantings. Only Super-Phosphate may be used to promote rooting.
   a) In the first spring subsequent to new plantings, fertilize new trees and shrubs. The fertilizer shall be 20-10-5 Agriform planting tablets in 21 gram size for trees and10 gram size for shrubs. Place tablets in soil drills equal spaced at the plant branch drip line. Provide 20 grams of fertilizer for each ½ inch of caliper of tree trunk at the base and 20 grams of fertilizer for each 18 inches of shrub height or spread. Back fill the holes. Repeat the fertilizer application after 24 months.
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Date: May 2, 2012

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ILK	Ilex x meserveae 'Castle Spire'	Blue Holly	1	#5
ILM	Ilex x meserveae 'Castle Wall'	Blue Holly	10	#5
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NEC	Nepata subsessilis	Japanese Catmint	12	1 Gallon
VEP	Veronica spicata 'Goodness Grows'	Speedwell	13	1 Gallon
123	SAMPLE	SAMPLE	1	1

1. 02-21-13 SUBMITTED TO TOWN OF BRUNSWICK FOR APPROVAL CYN

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DRN BY: RPL	JOB #: 1958	
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