



DEPARTMENT OF THE ARMY
BUFFALO DISTRICT, CORPS OF ENGINEERS
1776 NIAGARA STREET
BUFFALO, NEW YORK 14207-3199

REPLY TO

May 18, 2012

Regulatory Branch

SUBJECT: Application No. 2011-00983, Nationwide Permit Nos. (12) and (39) as Published in the Federal Register, Volume 77, No. 34, on Tuesday, February 21, 2012, New York State Department of Environmental Conservation No. 8-4432-00085.

Mr. Mike LeRose
Finger Lakes LPG Storage, LLC
800 Robinson Road
Owego, New York 13827

Dear Mr. LeRose:

This pertains to your application for a Department of the Army permit to permanently impact 0.1 acres of wetland and 300 linear feet of stream and to temporarily impact 0.01 acres of wetland for the development of the Finger Lakes Liquid Propane Gas (LPG) Storage Project. The project is located off of State Route 14, in the Town of Reading, Schuyler County, New York.

I have evaluated the impacts associated with your proposal, and have concluded that they are authorized by the enclosed Nationwide Permit provided that the attached conditions are satisfied.

Verification of the applicability of this Nationwide Permit is valid for two years from the date of this correspondence unless the Nationwide Permit is modified, suspended or revoked, or your activity complies with any subsequent permit modification. Absent any changes to the current Nationwide Permits, reverification of the applicability of your project under the Nationwide Permit is not required if work is completed prior to March 19, 2017.

It is your responsibility to remain informed of changes to the NWP program. A public notice announcing any changes will be issued when they occur and will be available for viewing at our website: <http://www.lrb.usace.army.mil>. Finally, note that if your activity is not undertaken within the defined period or the project specifications have changed, you must immediately notify this office to determine the need for further approval or reverification.

During our review we considered all applicable Federal requirements as well as state Water Quality Certification (WQC) conditions. We have made every effort to ensure that your

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project complies with these requirements. However, we have neither the resources nor the statutory authority to conclusively determine whether your project complies with ALL New York State Water Quality Certification conditions. In this regard, I strongly suggest that you closely review the WQC conditions attached at the end of this document. If you are certain that you will remain in compliance with ALL conditions attached to this Permit no further coordination is required. However, if you have any doubt about your ability to comply with the state WQC conditions you must resolve those issues with the appropriate DEC Regional office before you commence work. If the state determines that you need to obtain a project specific WQC you should forward to this office a copy of their final decision at the conclusion of the process. Your initiation of work as authorized by the enclosed Nationwide Permit acknowledges your acceptance of the general and special conditions contained therein. Direct your WQC inquiries to:

David Bimber
New York State Department of Environmental Conservation
6274 East Avon-Lima Road
Avon, New York 14414-9516

This affirmation is limited to the attached Nationwide Permit and associated Water Quality Certification, and does not obviate the need to obtain any other project specific Federal, state, or local authorization. Specifically, you may need to obtain Article 15 (Protection of Water), Article 24 (Freshwater Wetland), and/or Article 34 (Coastal Erosion Management) authorization from the New York State Department of Environmental Conservation.

I have evaluated your submitted wetland delineation map and have determined that the wetland and water boundaries shown on the map accurately represent on-site conditions. **Please note that this is a Preliminary Jurisdictional Determination and does not officially confer or decline Department of the Army jurisdiction on any of the on-site waters.** This letter verifies the location of waters on the site only. Further, this delineation/determination has been conducted only to identify the limits of waters that may be subject to Corps Clean Water Act or Rivers and Harbors Act jurisdiction. This delineation/determination may not be valid for the wetland conservation provisions of the Food Security Act of 1985, as amended. If you or your tenant are USDA program participants, or anticipate participation in USDA programs, you should request a certified wetland determination from the local office of the Natural Resource Conservation Service prior to starting work.

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In accordance with Regulatory Guidance Letter 05-02, "Preliminary jurisdictional determinations are not definitive determinations of the presence or absence of areas within regulatory jurisdiction and do not have expirations dates." However, wetlands and waters are dynamic systems whose boundaries change over time. For this reason, I strongly recommend that, if the proposed work is not completed within five years of the date of this letter, the boundaries of waters of the United States be re-evaluated by a qualified wetland biologist. This will ensure that any changes are appropriately identified and you do not inadvertently incur a violation of Federal law while constructing your project or working on your project site.

Pursuant to Regulatory Guidance Letter 08-02, any permit application made in reliance on this preliminary jurisdictional determination will be evaluated as though all wetlands or waters on the site are regulated by the Corps. If you require a definitive response regarding Department of the Army jurisdiction for any or all of the waters identified on the submitted drawings, you may request an approved jurisdictional determination from this office.

I have enclosed the Preliminary Jurisdictional Determination Form with this letter. The form identifies the extent of waters on the site and specific terms and conditions of the Preliminary Jurisdictional Determination.

A copy of this letter and attachments have been sent to Dave Bimber of the NYSDEC and Scott Mowrey of AK Environmental.

Questions pertaining to this matter should be directed to me at (315) 255-8090, by writing to the following address: U.S. Army Corps of Engineers, 7413 County House Road, Auburn, NY 13021 or by e-mail at: margaret.a.crawford@usace.army.mil

Sincerely,



Margaret Crawford
Biologist

Enclosures

COMPLIANCE CERTIFICATION

General Condition 30 of the Nationwide Permit you were affirmed requires that:

"Every permittee who has received a Nationwide permit verification from the Corps will submit a signed certification regarding the completed work and any required mitigation. The certification will be forwarded by the Corps with the authorization letter and will include: a) A statement that the authorized work was done in accordance with the Corps authorization, including any general or specific conditions; b) A statement that any required mitigation was completed in accordance with the permit conditions; c) The signature of the permittee certifying the completion of the work and mitigation."

APPLICANT:

Mr. Mike LeRose
Finger Lakes LPG Storage,
LLC
800 Robinson Road
Owego, New York 13827

POINT of CONTACT:

Mr. Scott Mowrey
AK Environmental
5020 Ritter Road
Suite 206
Mechanicsburg, PA 17055

File Number: 2011-00983

File Closed: 5/18/12

NWP No.: 12, 39

Upon completion of the activity authorized by this permit sign this certification and return it to the address listed below within **30-days** of project completion.

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification, or revocation.


Applicant

5/22/2012
Date

Permittee Telephone Number: (570) 886-2417

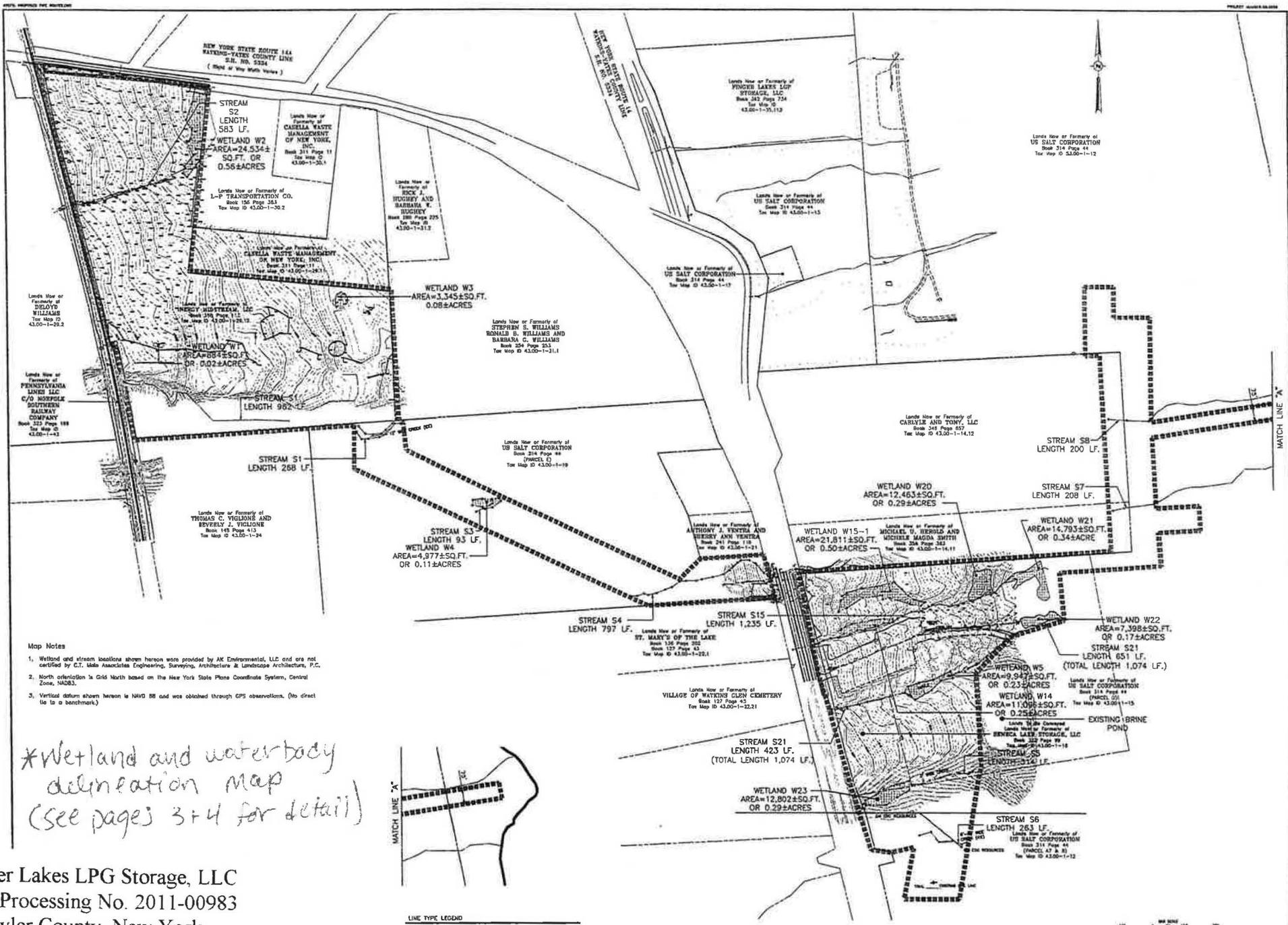
Project Location: The project is located off of State Route 14, in the Town of Reading, Schuyler County, New York.

Project Description: to permanently impact 0.1 acres of wetland and 300 linear feet of stream and to temporarily impact 0.01 acres of wetland for the development of the Finger Lakes Liquid Propane Gas (LPG) Storage Project.

Authorized Impacts (Waters of U.S. Impacted by Project): permanent loss of 0.1 acres of wetland and 300 linear feet of stream, and temporary impact to 0.01 acres of wetland

Waterway and/or Project Setting: unnamed wetlands and streams

Return Completed form to:
Mr. David Leput
Regulatory Branch
U.S. Army Corps of Engineers
1776 Niagara Street
Buffalo, New York 14207



- Map Notes**
1. Wetland and stream locations shown hereon were provided by AK Environmental, LLC and are not certified by C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, P.C.
 2. North orientation is Grid North based on the New York State Plane Coordinate System, Central Zone, NAD83.
 3. Vertical datum shown hereon is NAVD 88 and was obtained through GPS observations. (No direct tie to a benchmark.)

**Wetland and waterbody delineation map (see pages 3+4 for detail)*

Finger Lakes LPG Storage, LLC
 D/A Processing No. 2011-00983
 Schuyler County, New York
 Sheet 2 of 27



LINE TYPE LEGEND
 Dashed line: Other contour line

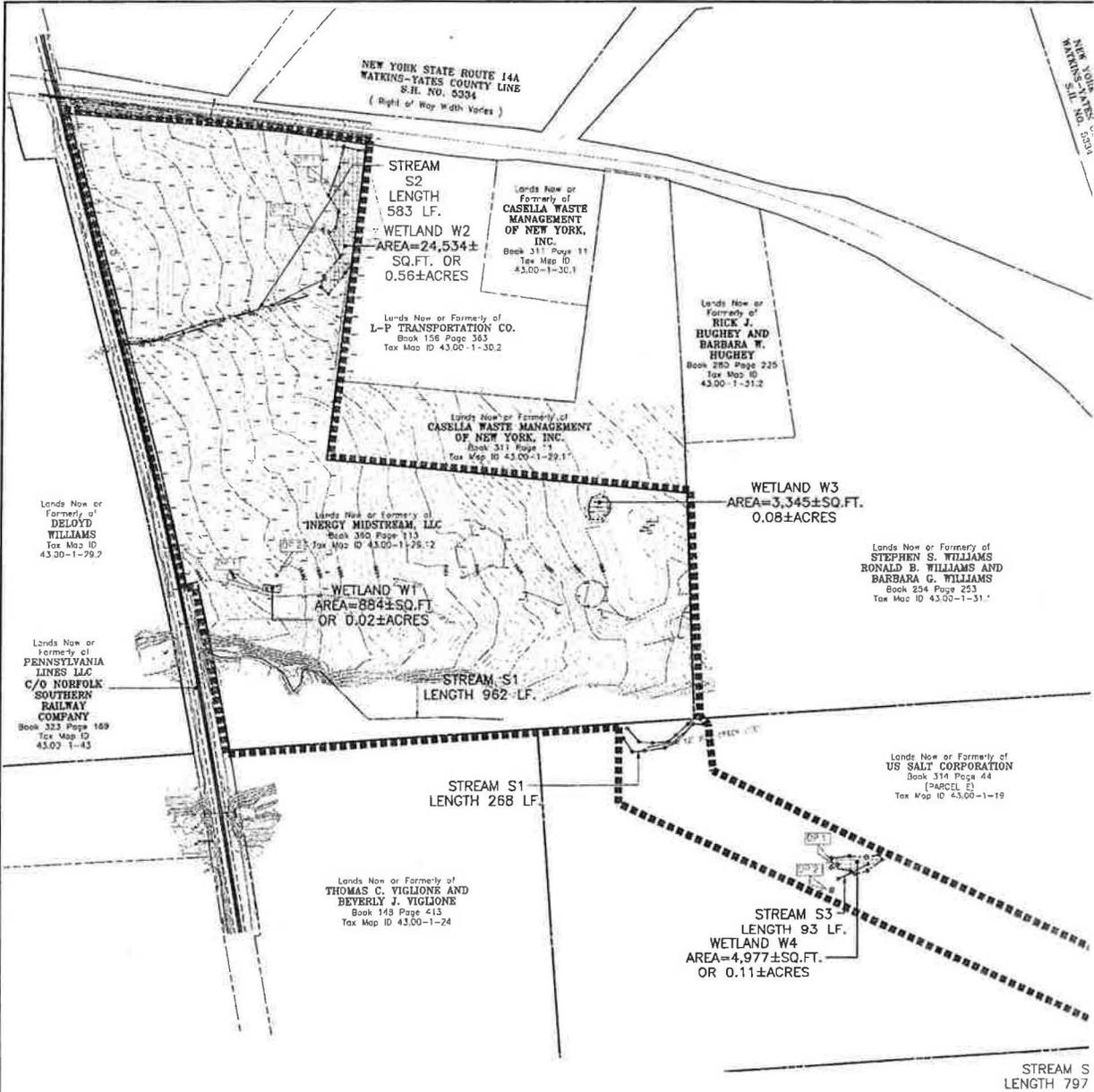
DATE	REVISIONS/REVISION/DESCRIPTION	PREPARED BY	CHECKED BY	APPROVED BY
08/20/11	ISSUED FOR PERMIT			
08/20/11	REVISED FOR PERMIT			
08/20/11	REVISED FOR PERMIT			
08/20/11	REVISED FOR PERMIT			
08/20/11	REVISED FOR PERMIT			
08/20/11	REVISED FOR PERMIT			
08/20/11	REVISED FOR PERMIT			
08/20/11	REVISED FOR PERMIT			
08/20/11	REVISED FOR PERMIT			
08/20/11	REVISED FOR PERMIT			

PROJECT NO. 2011-00983
 SHEET NO. 02 OF 04
 DATE: MAR. 15, 2011

JD MAP
 PREPARED FOR
FINGER LAKES LPG STORAGE, LLC.

C.T. MALE ASSOCIATES
 ENGINEERING, SURVEYING, ARCHITECTURE & LANDSCAPE ARCHITECTURE
 40 COUNTRY HILL DRIVE, LITTLETON, CO 80120
 PHONE: 303.468.8888
 FAX: 303.468.8888
 E-MAIL: C.T.MALE@CTMALE.COM

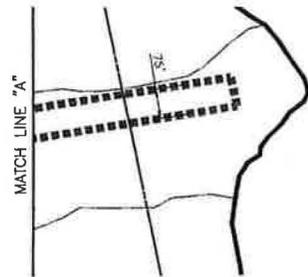
SHEET: 1 OF 4
 DATE: 08/20/11



Map Notes

1. Wetland and stream locations shown herein were provided by AK Environmental, LLC and are not certified by C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, P.C.
2. North orientation is Grid North based on the New York State Plane Coordinate System, Central Zone, NAD83.
3. Vertical datum shown herein is NAVD 88 and was obtained through GPS observations. (No direct tie to a benchmark.)

DP = Data Point

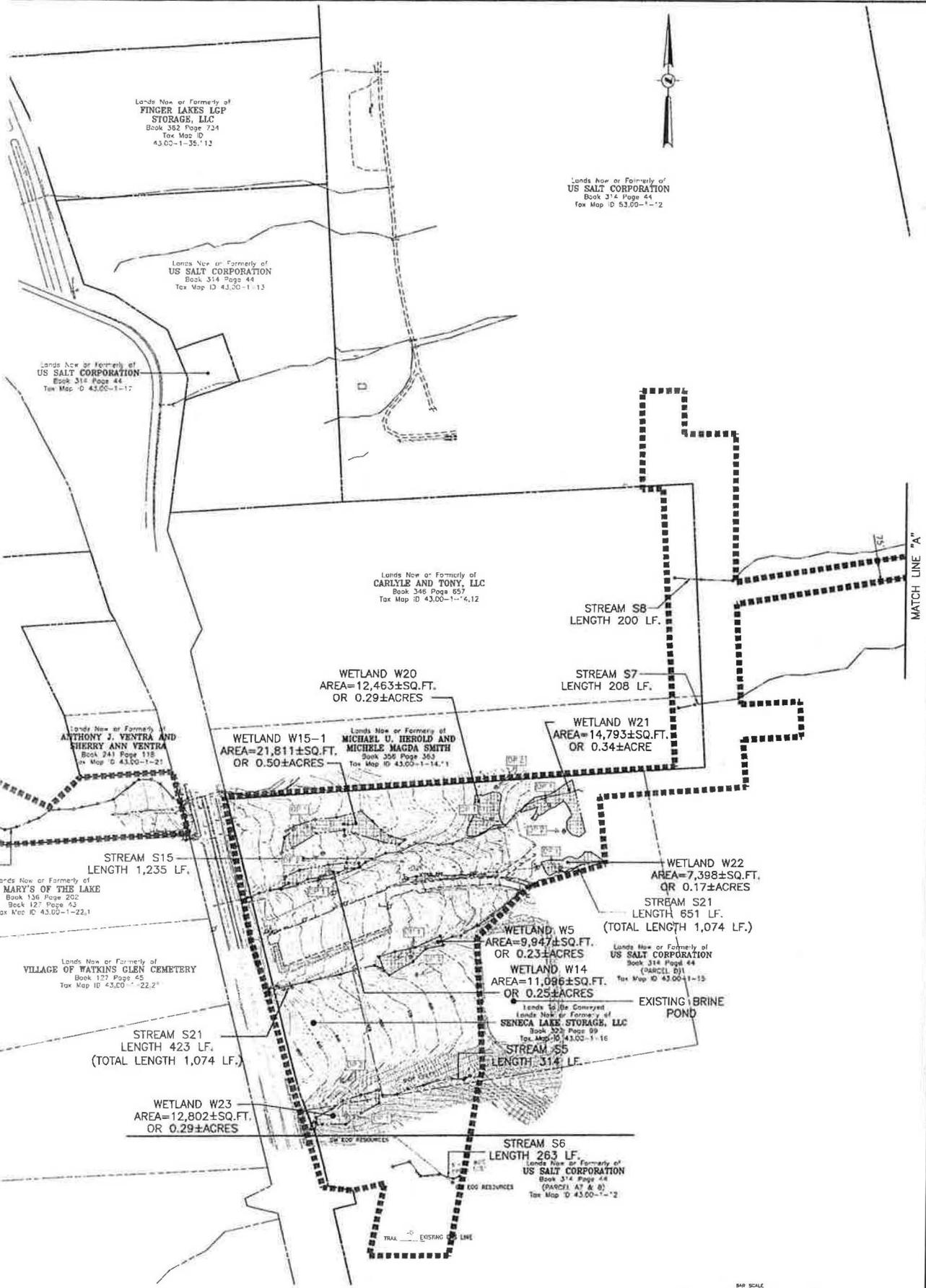


LINE TYPE LEGEND

STUDY CORRIDOR LINE

Finger Lakes LPG Storage, LLC
 D/A Processing No. 2011-00983
 Schuyler County, New York
 Sheet 3 of 27





Finger Lakes LPGA Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 4 of 27

DATE	REVISIONS RECORD/DESCRIPTION	DRAWN	CHECK	APPR.	APPROVED JFC

© 2011
C.T. MALE ASSOCIATES

DRAWN: JMB
CHECKED: JFC

PROJ. NO: 06-0698
SCALE: 1"=150'
DATE: MAR. 15, 2012

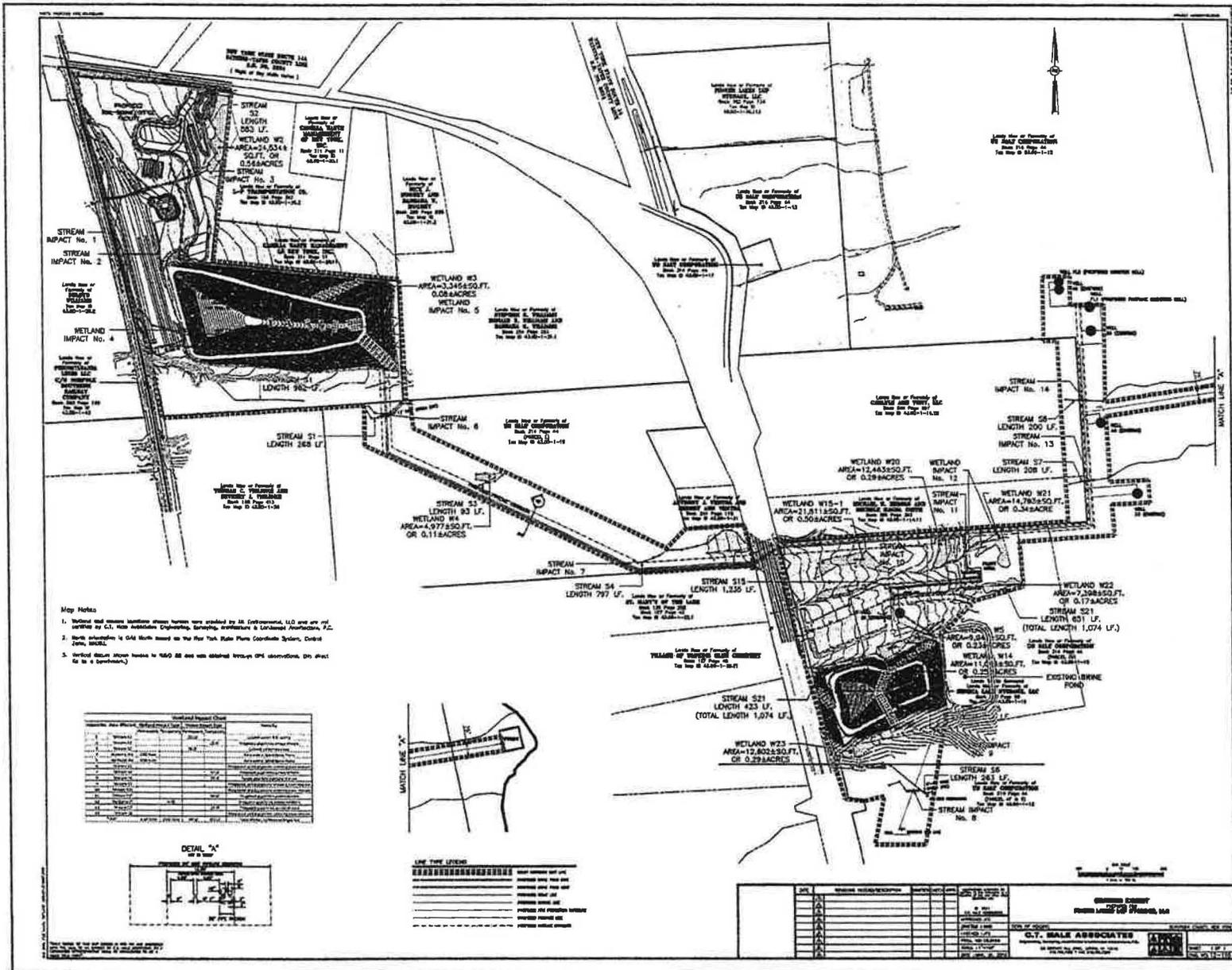
JD MAP
PREPARED FOR
FINGER LAKES LPGA STORAGE, LLC

TOWN OF READING SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CORYNE HILL DRIVE, LATHAM, NY 12110
518.786.7400 • FAX 518.786.7298

SHEET 1 OF 1
DWG. NO. 12-XXXX



Overall Plan
See detailed sheets
for authorized
impacts.

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 5 of 27



Table 1 – Wetland/Stream Impacts						
Impact No.	Resource	Wetland Impact (sq. ft.)		Stream Impact (l.f.)		Comment
		Permanent	Temporary	Permanent	Temporary	
1	Stream S2			211		Culvert Crossing
2	Stream S2					*Aerial/HDD Pipeline Crossing
3	Stream S2			89		Culvert Crossing
4	Wetland W1	884				West Brine Pond
5	Wetland W3	3,345				West Brine Pond
6	Stream S1					*Aerial/HDD Pipeline Crossing
7	Stream S4					*Aerial/HDD Pipeline Crossing
8	Stream S6					*Aerial/HDD Pipeline Crossing
9	Stream S5					*Aerial/HDD Pipeline Crossing
10	Stream S21					*Aerial/HDD Pipeline Crossing
11	Stream S15					*Aerial/HDD Pipeline Crossing
12A	Wetland W21		31			Pipeline Crossing
12B	Wetland W21		277			Pipeline Crossing
13	Stream S7					*Aerial/HDD Pipeline Crossing
14	Stream S8					*Aerial/HDD Pipeline Crossing
Total		4,229	308	300	0	
Sq. ft. = square feet, l.f. = linear feet						
*Aerial/HDD Pipeline Crossing – Depending on cost and/or feasibility during construction						

Auburn Field Office
Received

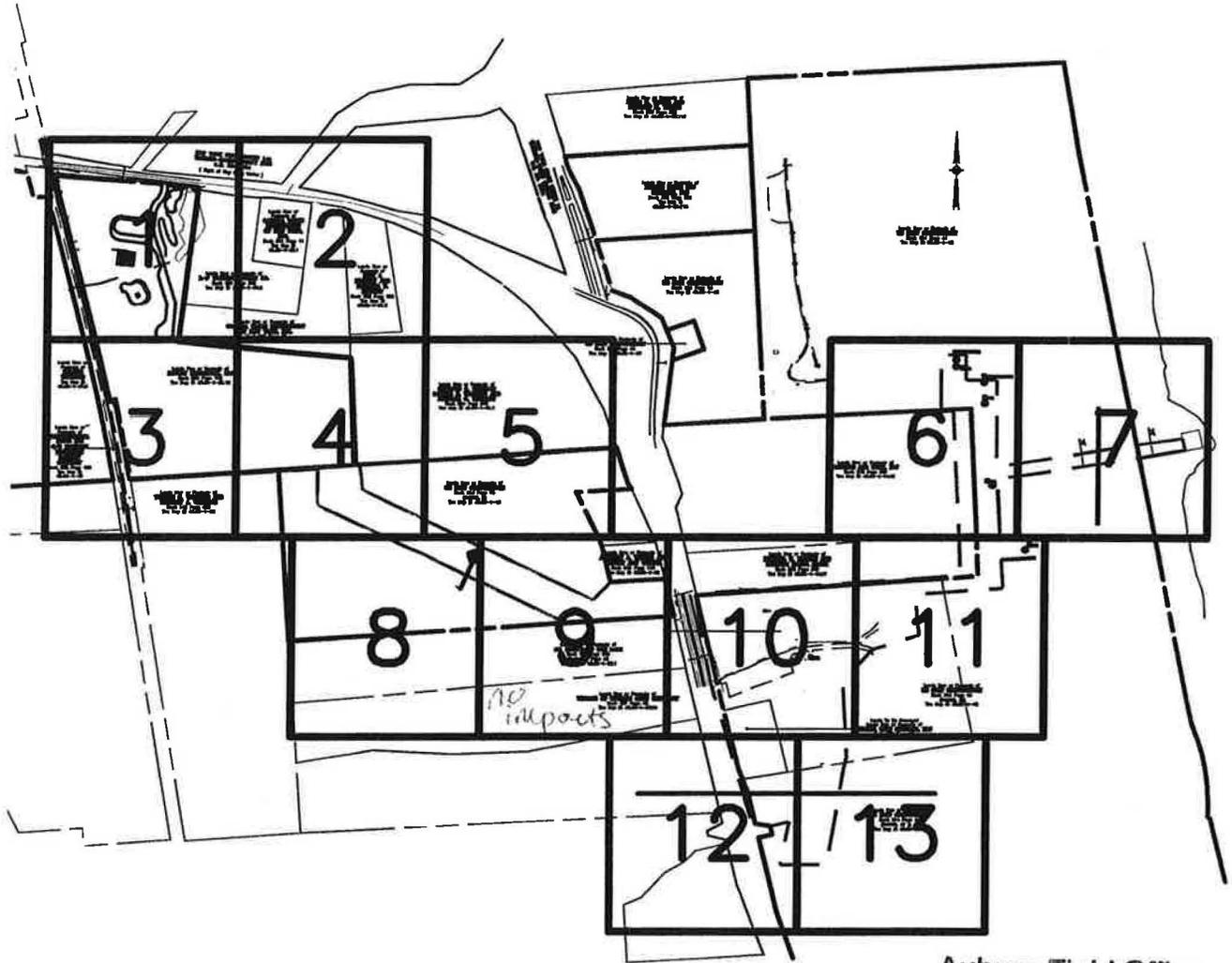
MAY 11 2012

USACE



NONE :XREFS

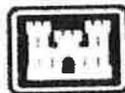
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Finger Lakes LPG Storage, LLC
 D/A Processing No. 2011-00983
 Schuyler County, New York
 Sheet 7 of 27

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 Received

MAY 11 2012



USACE

KEY SHEET *to impacts*

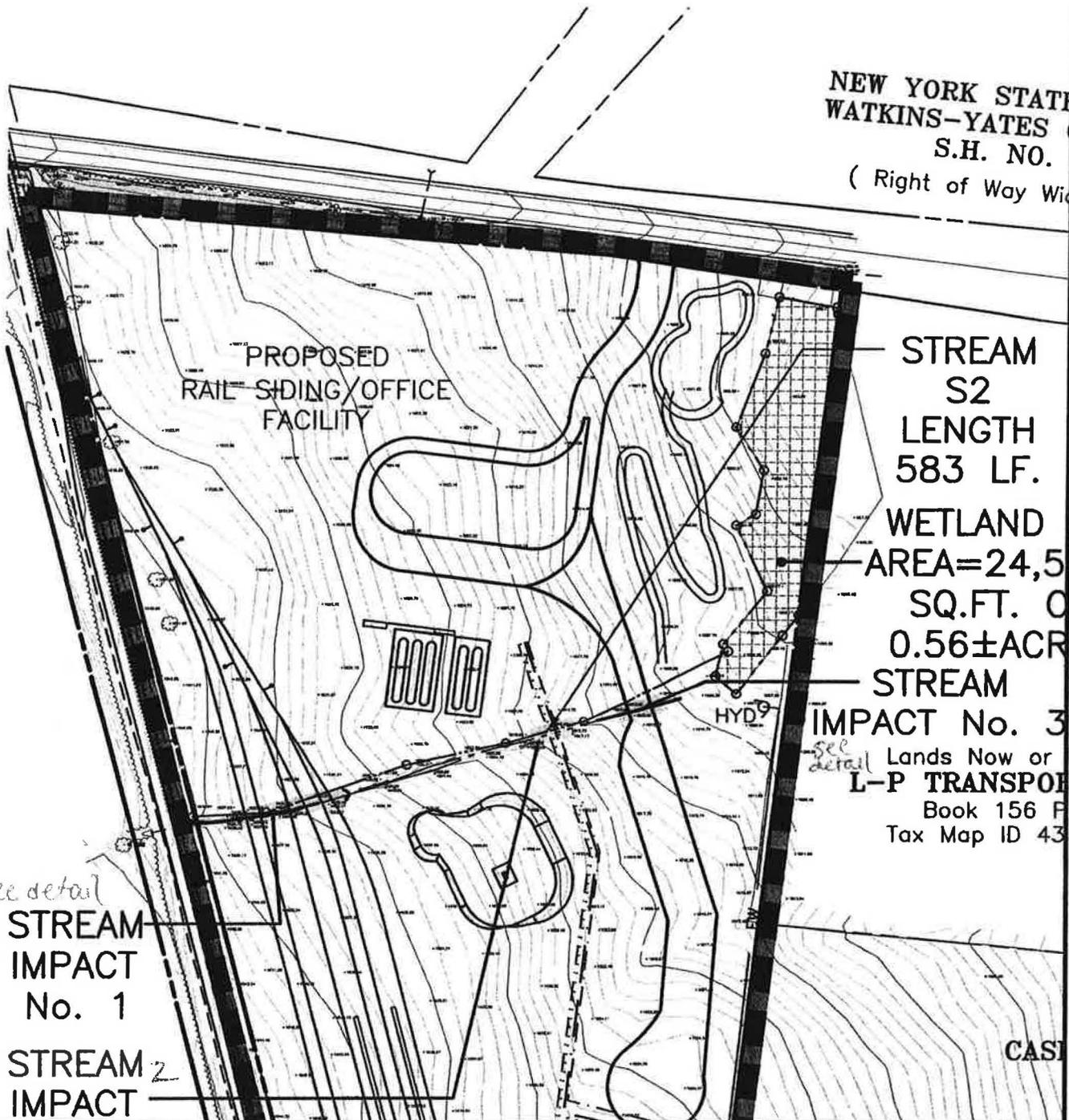
CAD DWG. FILE NAME: FILENAME

Date	RECORD OF WORK	Appr.	WETLAND IMPACT EXHIBIT PREPARED FOR FINGERLAKES LPG STORAGE, LLC	
			SHEET 14 OF 14	
			TOWN OF READING	SCHUYLER COUNTY, NEW YORK
			C.T. MALE ASSOCIATES Engineering, Surveying, Architecture & Landscape Architecture, P.C.	
			50 CENTURY HILL DRIVE, LATHAM, NY 12110 518.786.7400 * FAX 518.786.7299	
			SCALE: 1"=150'	DATE: MAY 8, 2012
Drafter: MMB	Checker: JFC			
Appr. by: RTL	Proj. No. 08.8696			

NONE :XREFS

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NEW YORK STATE
WATKINS-YATES
S.H. NO.
(Right of Way Wid



MATCHLINE SHEET 2

MATCHLINE SHEET 3

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 8 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 1 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299



Drafter: MMB

Checker: JFC

Appr. by: RTL

Proj. No. 08.8696

SCALE: 1"=150'

DATE: MAY 8, 2012

CAD DRG. FILE NAME: FILENAME

NONE :XREFS

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No impacts on this page

ROUTE 14A
COUNTY LINE
5334

(with Varies)

MATCHLINE SHEET 1

W2
34±
RES

Lands Now or Formerly of
CASELLA WASTE MANAGEMENT OF NEW YORK, INC.

Book 311 Page 11
Tax Map ID 43.00-1-30.1

Formerly of
STATION CO.

Page 363
00-1-30.2

Lands Now or Formerly of
RICK J. HUGHEY AND BARBARA W. HUGHEY

Book 280 Page 225
Tax Map ID 43.00-1-31.2

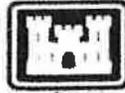
Lands Now or Formerly of
ELLA WASTE MANAGEMENT OF NEW YORK, INC.

Book 311 Page 11

MATCHLINE SHEET 4

CAD DWG. FILE NAME: FILENAME

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 9 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 2 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

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518.786.7400 * FAX 518.786.7299



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Appr. by: RTL

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DATE: MAY 8, 2012

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MATCHLINE SHEET 1

No. 2

Lands Now or Formerly of **DELOYD WILLIAMS**
Tax Map ID 43.00-1-29.2

Lands Now or Formerly of **ENERGY MIDSTREAM, LLC**
Book 360 Page 113
Tax Map ID 43.00-1-29.12

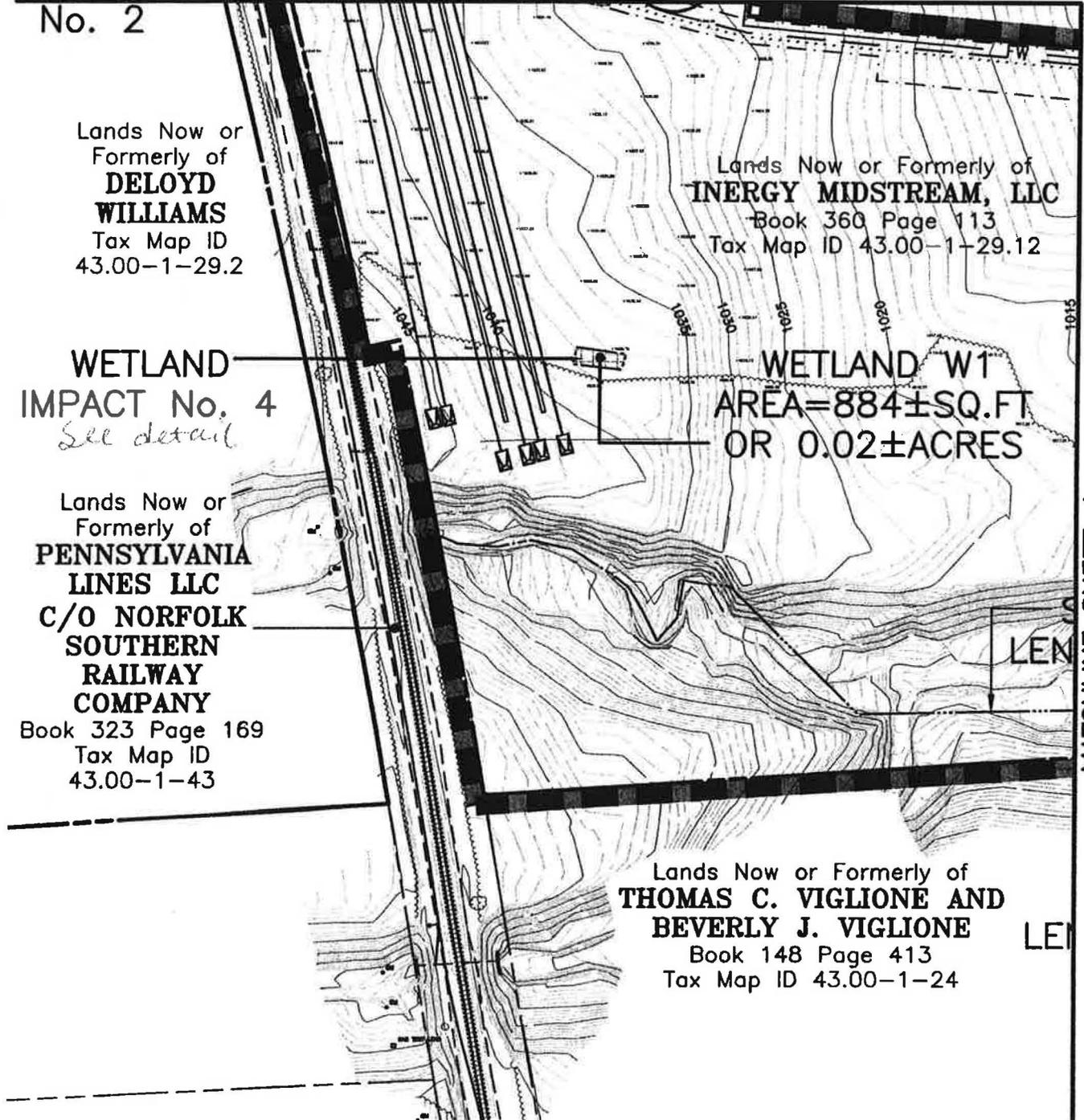
WETLAND IMPACT No. 4
See detail

WETLAND W1
AREA=884±SQ.FT
OR 0.02±ACRES

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C/O NORFOLK SOUTHERN RAILWAY COMPANY
Book 323 Page 169
Tax Map ID 43.00-1-43

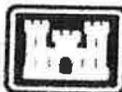
Lands Now or Formerly of **THOMAS C. VIGLIONE AND BEVERLY J. VIGLIONE**
Book 148 Page 413
Tax Map ID 43.00-1-24

MATCHLINE SHEET 4



CAD DWG. FILE NAME: FILENAME

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 10 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 3 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299



Drafter: MMB

Checker: JFC

Appr. by: RTL

Proj. No. 08.8696

SCALE: 1"=150'

DATE: MAY 8, 2012

NONE :XREFS

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ax Map ID 43.00-1-29.11

WETLAND W3
AREA=3,345±SQ.
0.08±ACRES
WETLAND
IMPACT No. 5
See detail

MATCHLINE SHEET 3

STREAM S1
LENGTH 962 LF.

STREAM S1
LENGTH 268 LF.

CREEK (ICE)

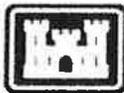
STREAM
IMPACT No. 6

*See detail
aerial crossing
or HDD
no Corps
impacts*

MATCHLINE SHEET 5

MATCHLINE SHEET 8

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 11 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 4 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299



Drafter: MMB

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Proj. No. 08.8696

SCALE: 1"=150'

DATE: MAY 8, 2012

CAD DWG. FILE NAME: FILENAME

NONE :XREFS

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MATCHLINE SHEET 5

MATCHLINE SHEET 7

Lands Now or Formerly of
CARLYLE AND TONY, LLC
Book 346 Page 657
Tax Map ID 43.00-1-14.12

STREAM
IMPACT No. 14

*See detail
aerial or HDD
no Corps impacts*

STREAM S8
LENGTH 200 LF.

WETLAND W20
AREA=12,463±SQ.FT. STREAM

OR 0.29±ACRES IMPACT No. 13
*see detail aerial/HDD
No Corps impacts*

WETLAND
IMPACT
No. 12

STREAM S7
LENGTH 208 LF.

MATCHLINE SHEET 11

WETLAND IMPACT EXHIBIT
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FINGERLAKES LPG STORAGE, LLC

SHEET 6 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299



Drafter: MMB

Checker: JFC

Appr. by: RTL

Proj. No. 08.8696

SCALE: 1"=150'

DATE: MAY 8, 2012

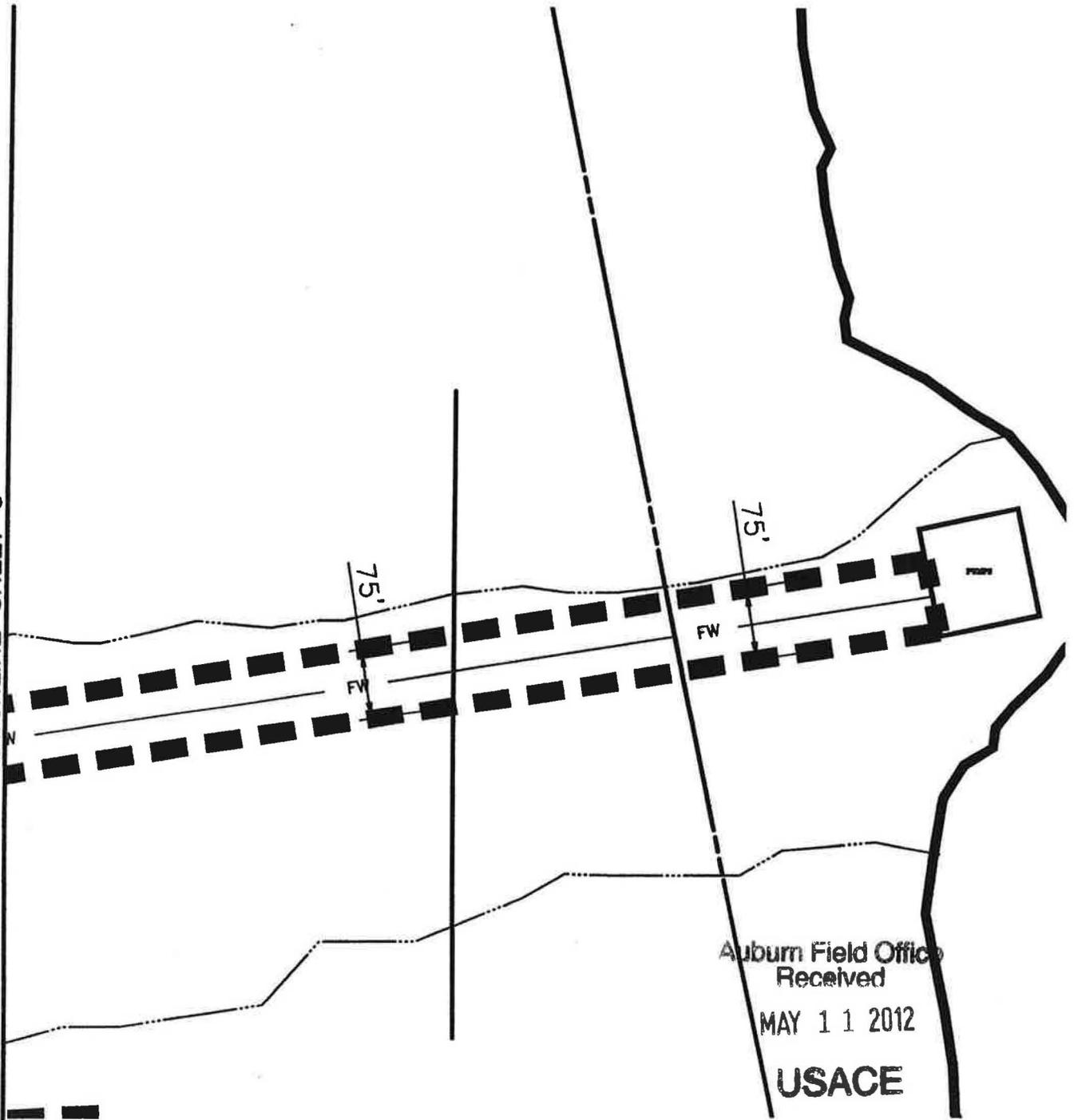
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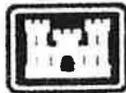
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MATCHLINE SHEET 6



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MAY 11 2012
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D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 13 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 7 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.766.7400 * FAX 518.766.7299



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Checker: JFC

Appr. by: RTL

Proj. No. 08.8696

SCALE: 1"=150'

DATE: MAY 8, 2012

CAD DWG. FILE NAME: FILENAME

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MATCHLINE SHEET 4

MATCHLINE SHEET 5

STREAM S3
LENGTH 93 LF.
WETLAND W4
AREA=4,977±SQ.FT.
OR 0.11±ACRES



IM

MATCHLINE SHEET 9

CAD DWG. FILE NAME: FILENAME

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 14 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 8 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299



Drafter: MMB

Checker: JFC

Appr. by: RTL

Proj. No. 08.8696

SCALE: 1"=150'

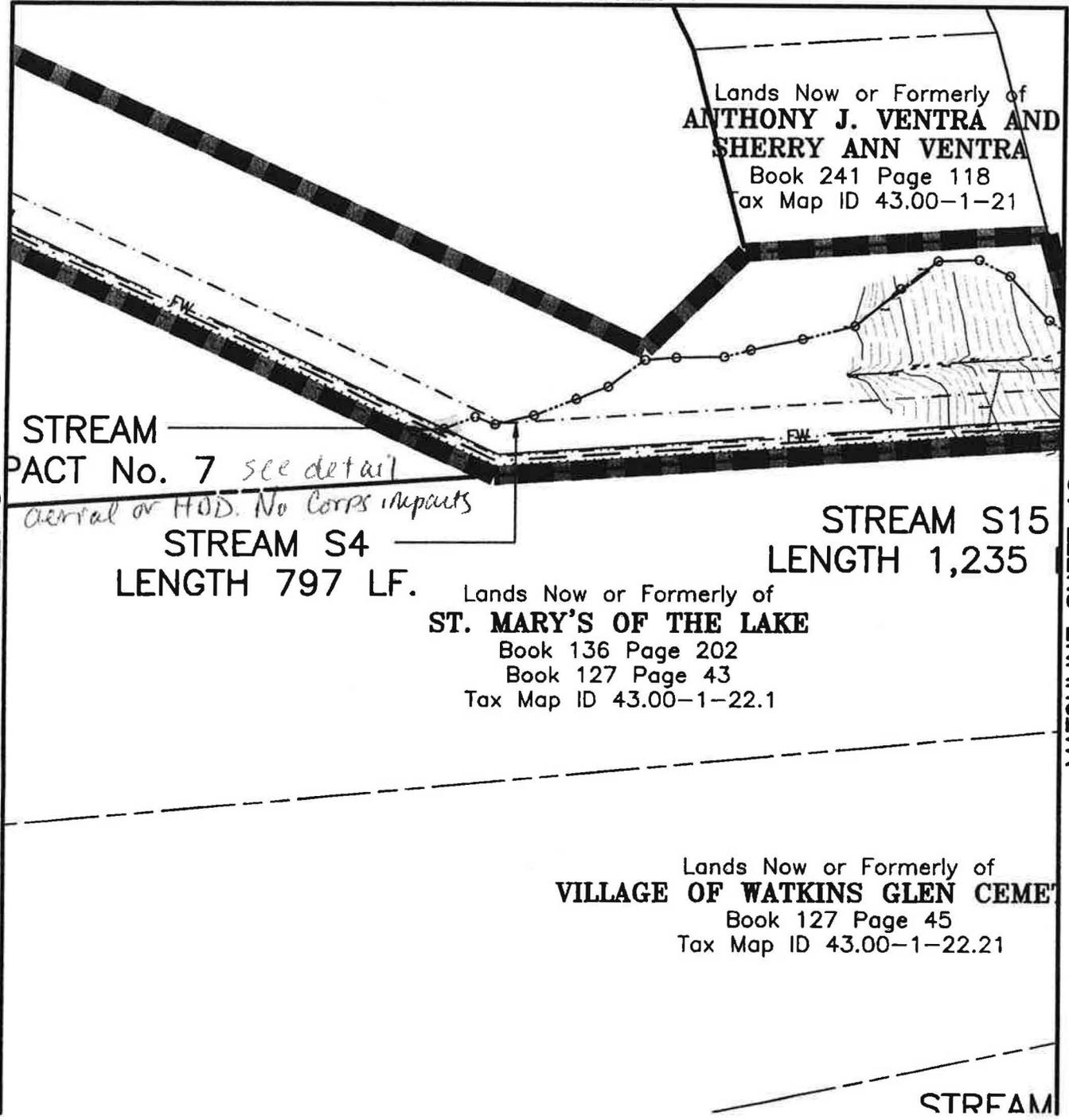
DATE: MAY 8, 2012

NONE :XREFS

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MATCHLINE SHEET 5

Lands Now or Formerly of
**ANTHONY J. VENTRA AND
SHERRY ANN VENTRA**
Book 241 Page 118
Tax Map ID 43.00-1-21



STREAM
PACT No. 7 see detail
aerial or HOD. No Corps inputs
STREAM S4
LENGTH 797 LF.

STREAM S15
LENGTH 1,235

Lands Now or Formerly of
ST. MARY'S OF THE LAKE
Book 136 Page 202
Book 127 Page 43
Tax Map ID 43.00-1-22.1

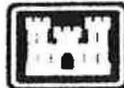
Lands Now or Formerly of
VILLAGE OF WATKINS GLEN CEMET
Book 127 Page 45
Tax Map ID 43.00-1-22.21

STREAM

MATCHLINE SHEET 8

MATCHLINE SHEET 10

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 15 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 9 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 • FAX 518.786.7299



Drafter: MMB

Checker: JFC

Appr. by: RTL

Proj. No. 08.8696

SCALE: 1"=150'

DATE: MAY 8, 2012

CAD DWG. FILE NAME: FILENAME

NONE :XREFS

UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

WETLAND W15-1
AREA=21,811±SQ.FT.
OR 0.50±ACRES

Lands Now or Formerly of
**MICHAEL U. HEROLD AND
MICHELE MAGDA SMITH**
Book 356 Page 363
Tax Map ID 43.00-1-14.11

STRE
IMPA
No.

STREAM
IMPACT
No. 10

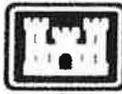
*See
Detail
No Corps
impacts*

MATCHLINE SHEET 9

MATCHLINE SHEET 11

MATCHLINE SHEET 12

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 16 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 10 OF 13

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

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518.786.7400 * FAX 518.786.7299



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NONE :XREFS

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MATCHLINE SHEET 6

AM
CT
11

WETLAND W21
AREA=14,793±SQ.FT.
OR 0.34±ACRE

MATCHLINE SHEET 10

WETLAND W22
AREA=7,398±SQ.FT.
OR 0.17±ACRES

STREAM S21
LENGTH 651 LF.
(TOTAL LENGTH 1,074 LF.)

WETLAND W5
AREA=9,947±SQ.FT.
OR 0.23±ACRES

Lands Now or Formerly of
US SALT CORPORATION
Book 314 Page 44
(PARCEL D)
Tax Map ID 43.00-1-15

WETLAND W14
AREA=11,096±SQ.FT.
OR 0.25±ACRES

EXISTING BRINE
POND

Lands To Be Conveyed
Lands Now or Formerly of
SENECA LAKE STORAGE, LLC
Book 322 Page 99

MATCHLINE SHEET 13

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 17 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 11 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299



Drafter: MMB

Checker: JFC

Appr. by: RTL

Proj. No. 08.8696

SCALE: 1"=150'

DATE: MAY 8, 2012

CAD DWG. FILE NAME: FILENAME

NONE :XREFS

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MATCHLINE SHEET 10

STREAM SET
LENGTH 423 LF.
(TOTAL LENGTH 1,074 LF.)

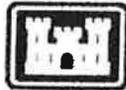
WETLAND W23
AREA=12,802±SQ.FT.
OR 0.29±ACRES

GM EOG RESOURCES

TRAIL

MATCHLINE SHEET 13

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 18 of 27



WETLAND IMPACT EXHIBIT
PREPARED FOR
FINGERLAKES LPG STORAGE, LLC

SHEET 12 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

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518.786.7400 * FAX 518.786.7299



Drafter: MMB

Checker: JFC

Appr. by: RTL

Proj. No. 08.8696

SCALE: 1"=150'

DATE: MAY 8, 2012

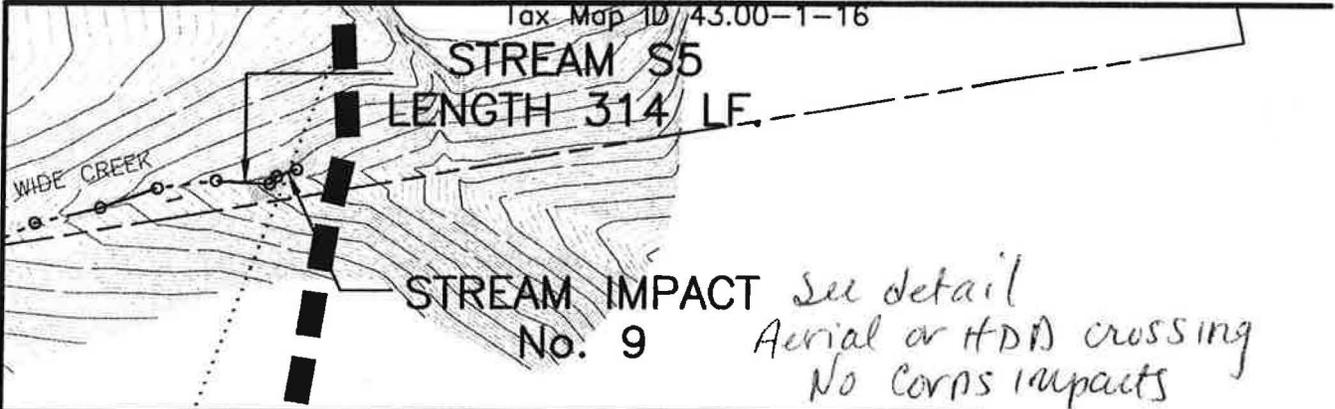
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UNAUTHORIZED ALTERATION OR ADDITION TO THIS DOCUMENT IS A VIOLATION OF SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.

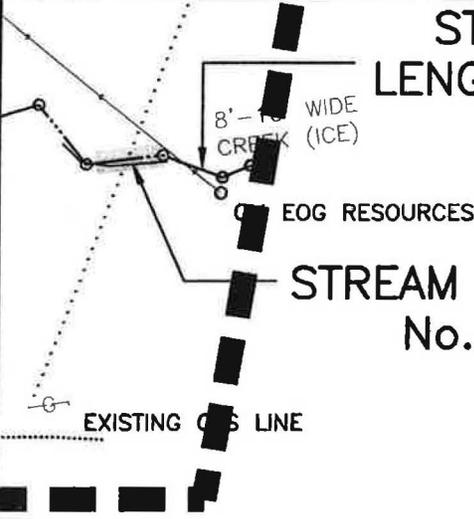
MATCHLINE SHEET 11

Tax Map ID 43.00-1-16



STREAM S6 LENGTH 263 LF.

Lands Now or Formerly of
US SALT CORPORATION
Book 314 Page 44
(PARCEL A7 & 8)
Tax Map ID 43.00-1-12

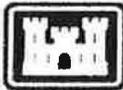


*See detail
Aerial or HDD crossing
No Corps impacts*

LINE TYPE LEGEND

	STUDY CORRIDOR LIMIT LINE	
	PROPOSED BRINE LINE	
	PROPOSED BUTANE LINE	
	FW	PROPOSED FIRE PROTECTION WATERLINE
	PROPOSED PROPANE LINE	
	PROPOSED PIPELINE CORRIDOR	

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 19 of 27



WETLAND IMPACT EXHIBIT PREPARED FOR FINGERLAKES LPG STORAGE, LLC

SHEET 13 OF 14

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.

50 CENTURY HILL DRIVE, LATHAM, NY 12110
518.786.7400 * FAX 518.786.7299



Drafter: MMB

Checker: JFC

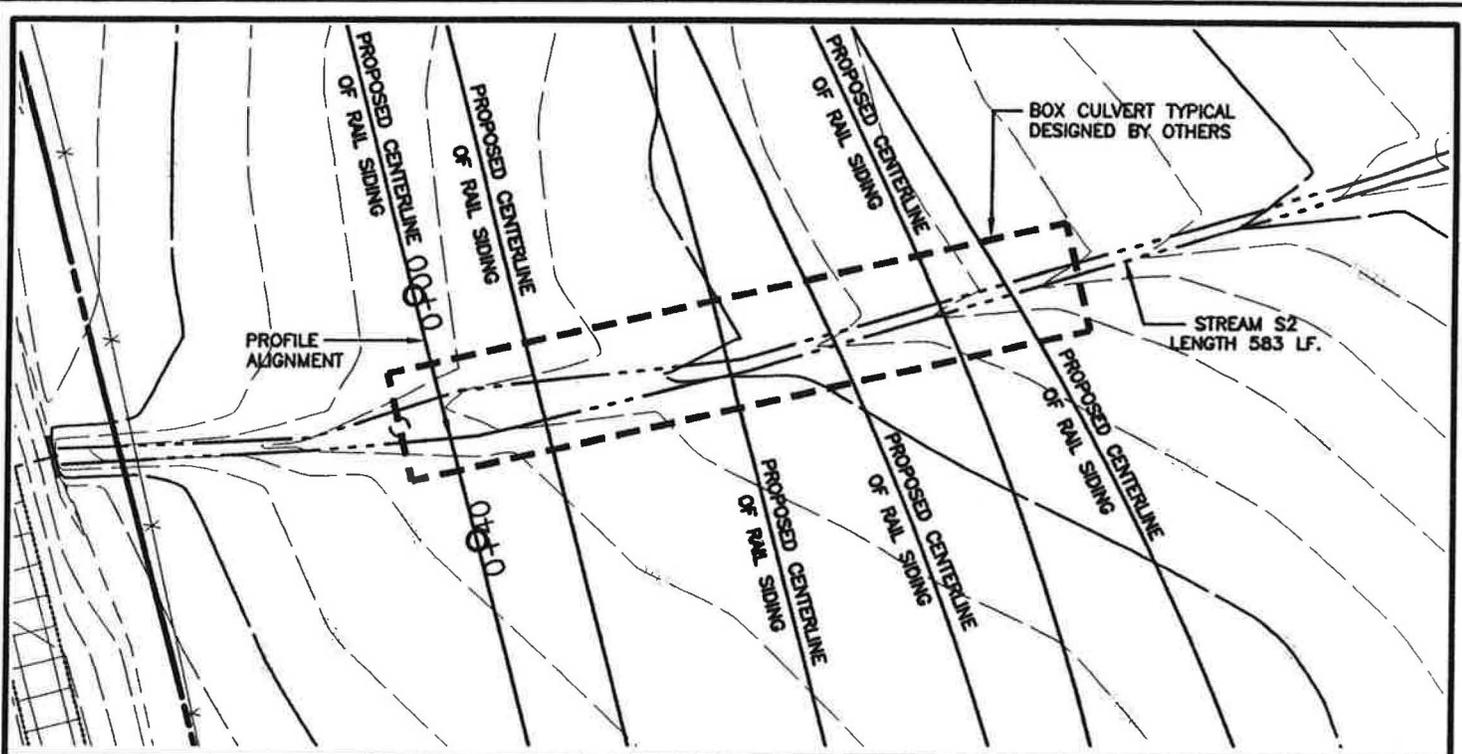
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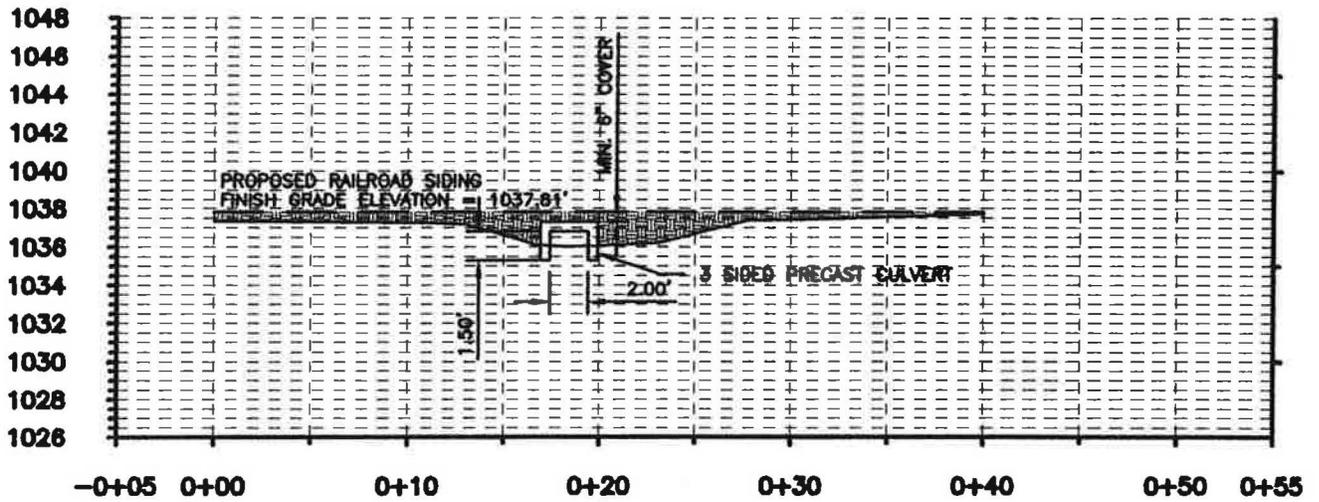
SCALE: 1"=150'

DATE: MAY 8, 2012

CAD DRWG. FILE NAME: FILENAME



PLAN VIEW (SCALE 1"=30')

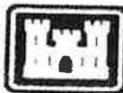


PROFILE VIEW (SCALE 1"=10')

PERMANENT IMPACT=211±LF
TEMPORARY IMPACT=0

STREAM S2
IMPACT NO. 1

Dt
Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 20 of 27



WATERBODY IMPACT MAP
IMPACT 1
FINGER LAKES LPG STORAGE, LLC

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture & Landscape Architecture, P.C.



Drafter: SMW/MMB

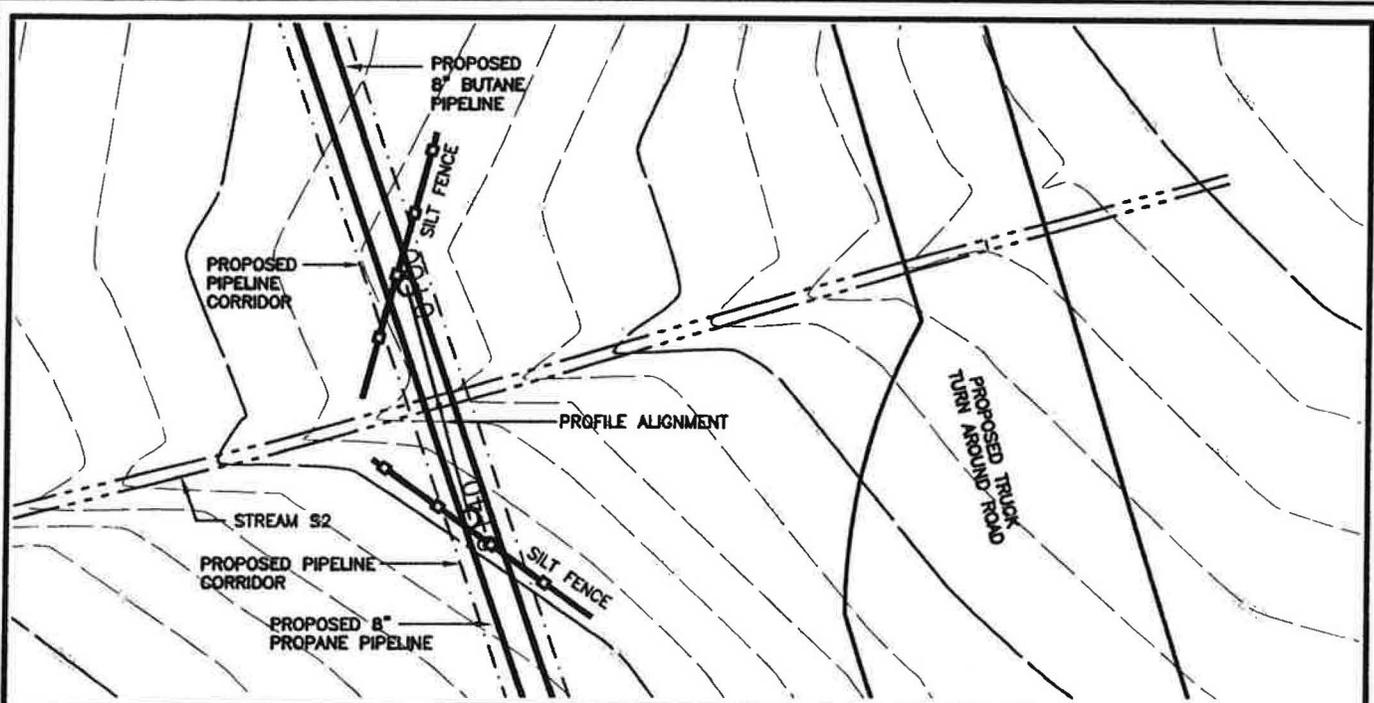
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Appr. by: TJH

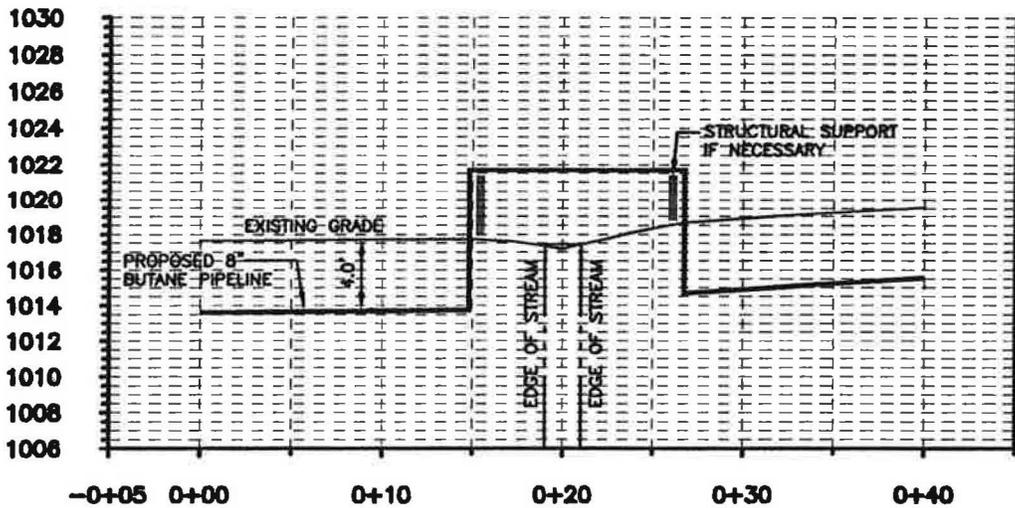
Proj. No. 08.8696

SCALE: AS SHOWN

DATE: MAY 7, 2012



PLAN VIEW (SCALE 1"=30')



PROFILE VIEW (SCALE 1"=10')

STREAM S2
IMPACT NO. 2

PERMANENT IMPACT=0
TEMPORARY IMPACT=0

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 21 of 27



WATERBODY IMPACT MAP
TYPICAL AERIAL CROSSING
IMPACT 2
FINGER LAKES LPG STORAGE, LLC

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.



Drafter: SMW/MMB

Checker: JFC

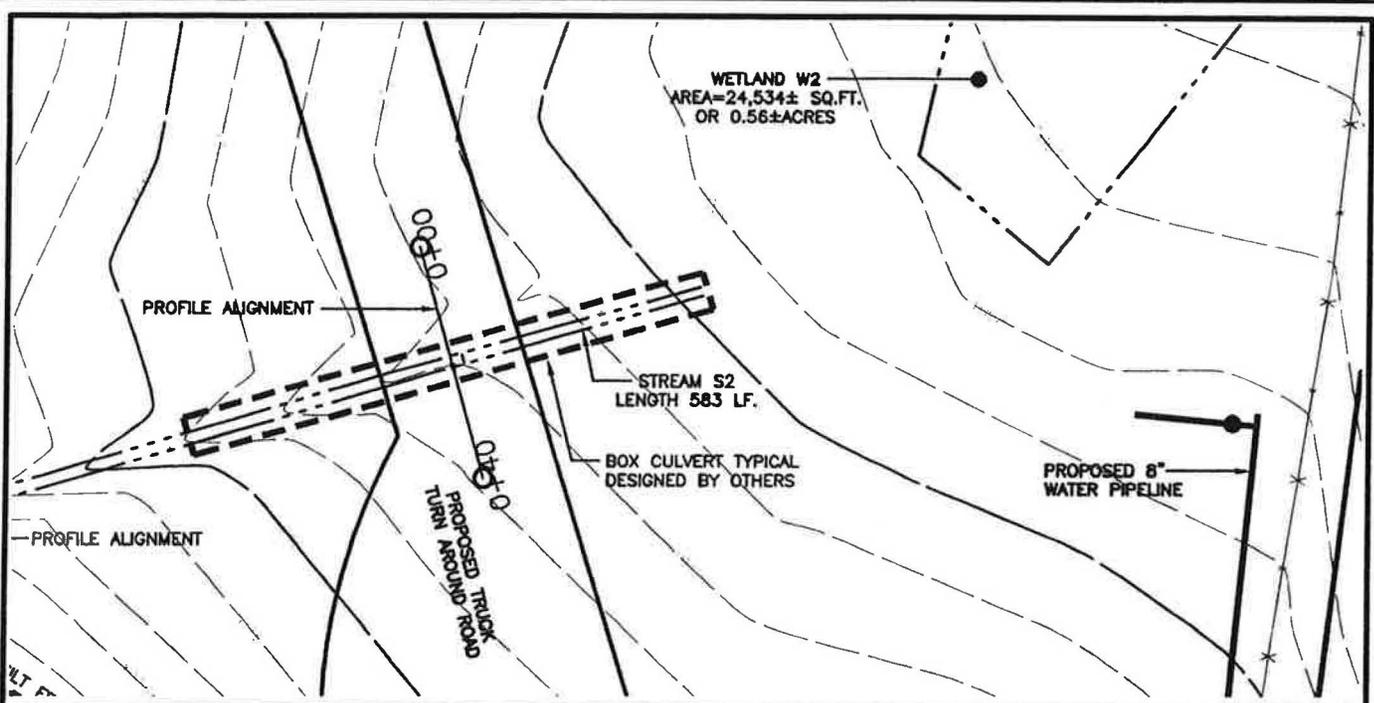
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Proj. No. 08.8696

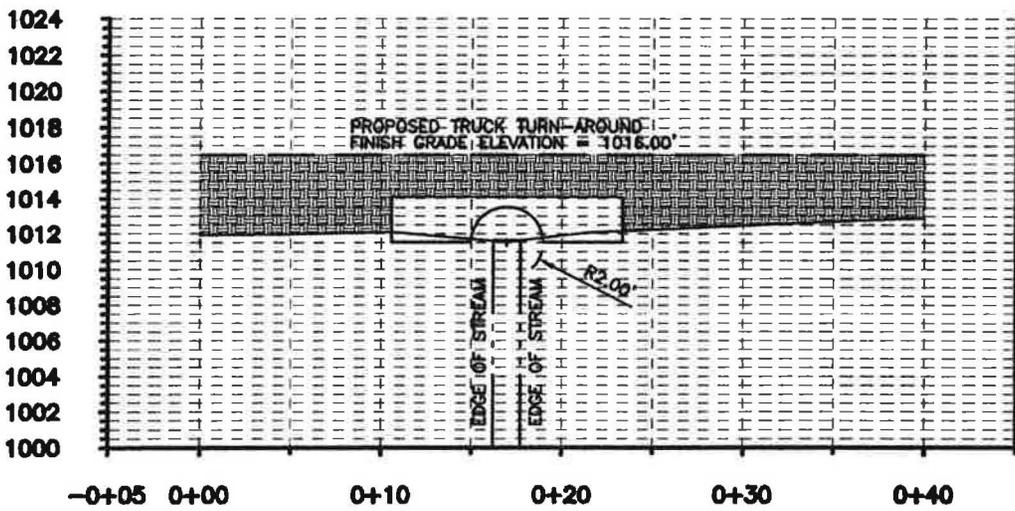
SCALE: AS SHOWN

DATE: MAY 7, 2012

NONE :XREFS



PLAN VIEW (SCALE 1"=30')



PROFILE VIEW (SCALE 1"=10')

PERMANENT IMPACT=89±LF
TEMPORARY IMPACT=0

STREAM S2
IMPACT NO. 3

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 22 of 27



WATERBODY IMPACT MAP
IMPACT 3
FINGER LAKES LPG STORAGE, LLC

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.



Drafter: SMW/MMB

Checker: JFC

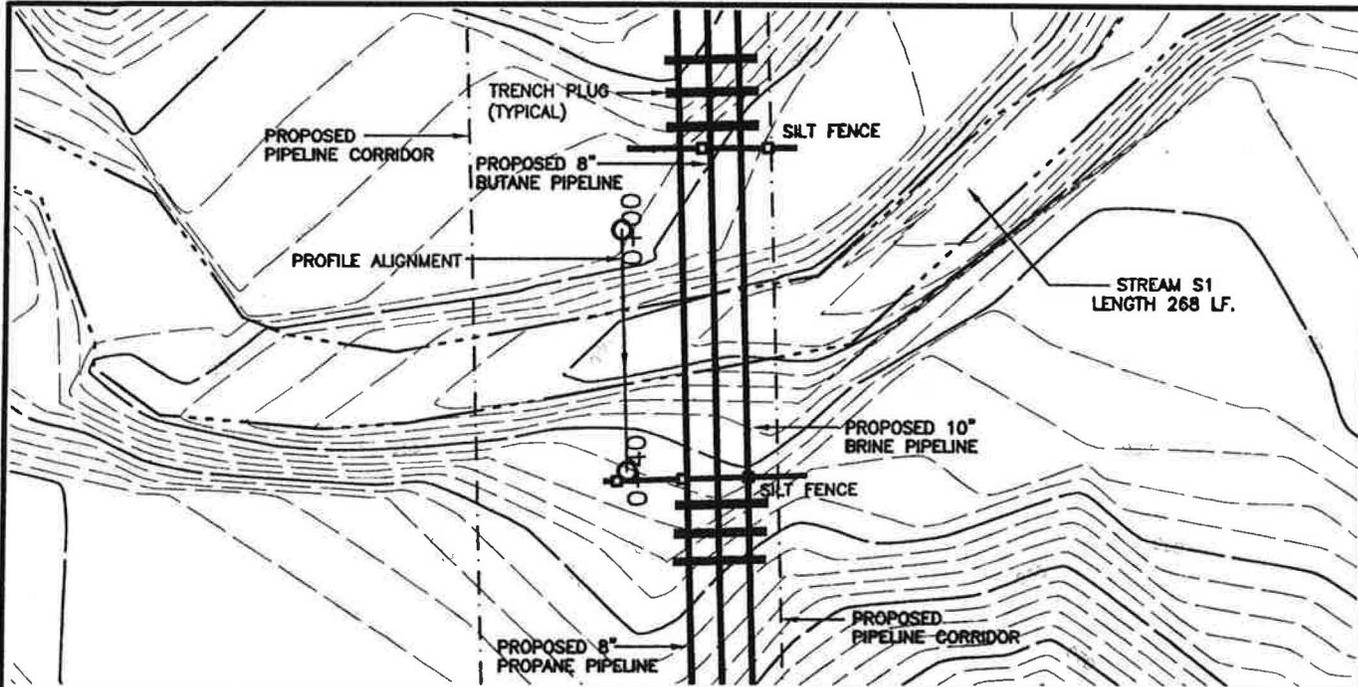
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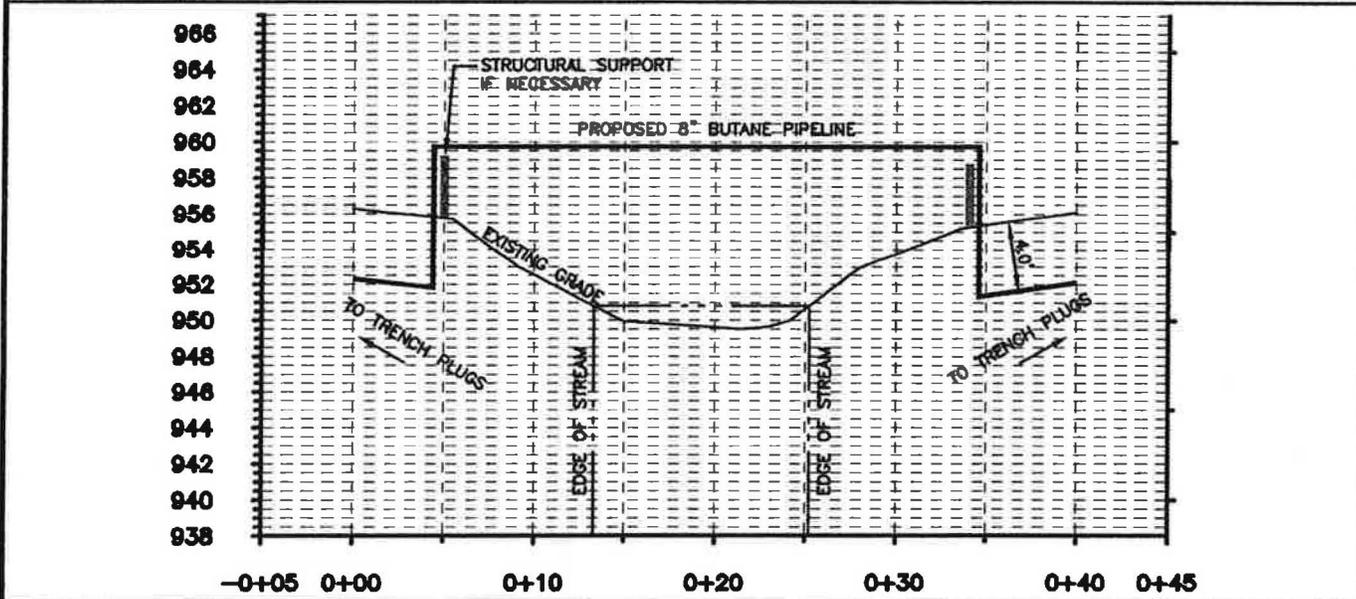
SCALE: AS SHOWN

DATE: MAY 7, 2012

CAD DWG. FILE NAME: FILENAME



PLAN VIEW (SCALE 1"=30')



PROFILE VIEW (SCALE 1"=30')

PERMANENT IMPACT=0
 TEMPORARY IMPACT=0

AERIAL PIPELINE CROSSING

Finger Lakes LPG Storage, LLC
 D/A Processing No. 2011-00983
 Schuyler County, New York
 Sheet 23 of 27



WATERBODY IMPACT MAP
 TYPICAL AERIAL PIPELINE CROSSING
 FINGER LAKES LPG STORAGE, LLC

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.



Drafter: SMW/MMB

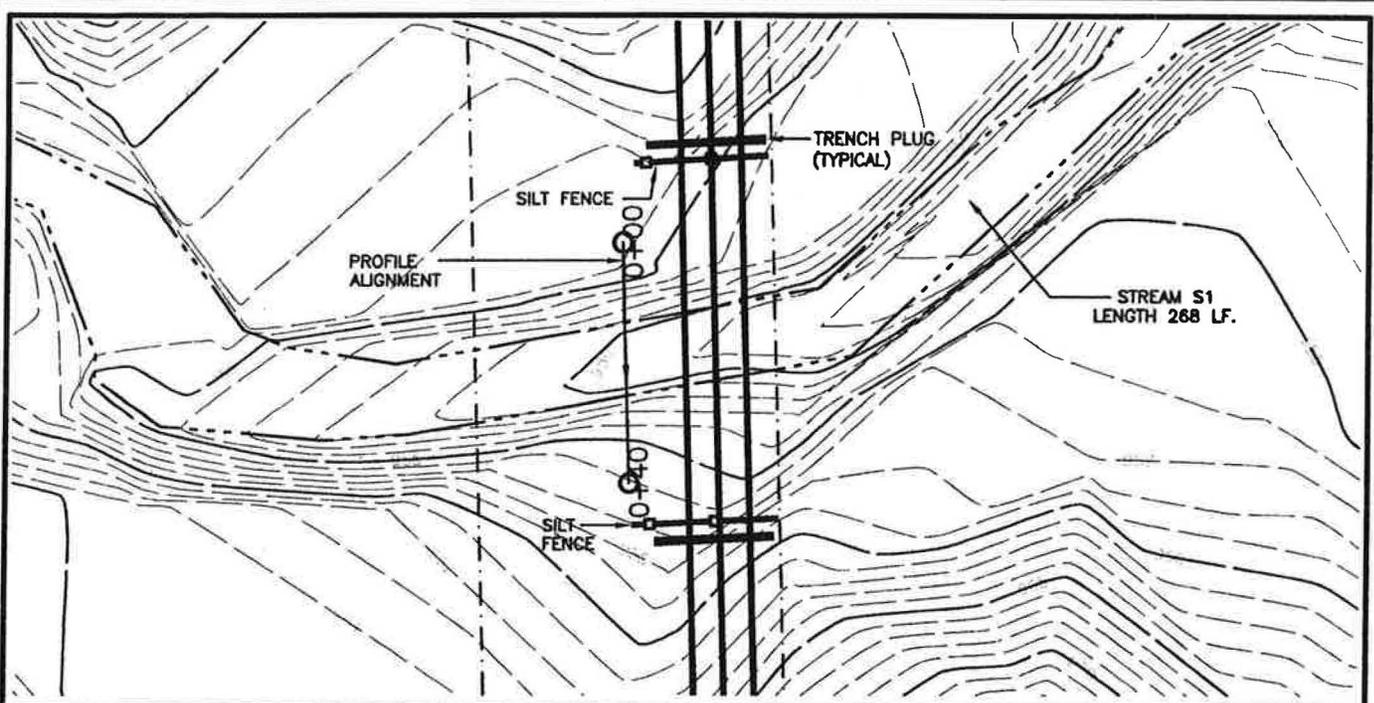
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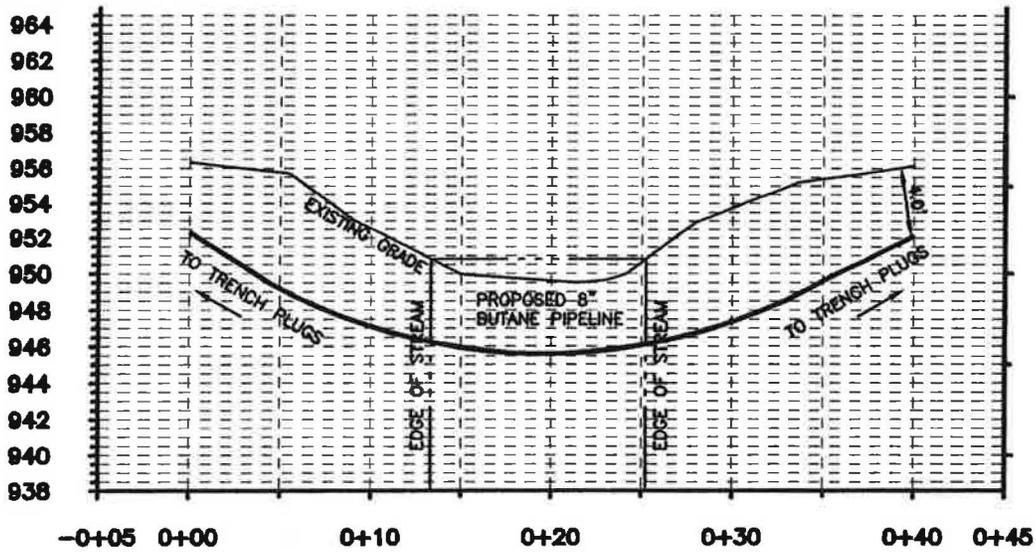
Proj. No. 08.8696

SCALE: AS SHOWN

DATE: MAY 7, 2012



PLAN VIEW (SCALE 1"=30')



PROFILE VIEW (SCALE 1"=30')

PERMANENT IMPACT=0
TEMPORARY IMPACT=0

HORIZONTAL DIRECTIONAL DRILL

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 24 of 27



WATERBODY IMPACT MAP
TYPICAL HORIZONTAL DIRECTIONAL DRILL
FINGER LAKE LPG STORAGE, LLC

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.



Drafter: SMW/MMB

Checker: JFC

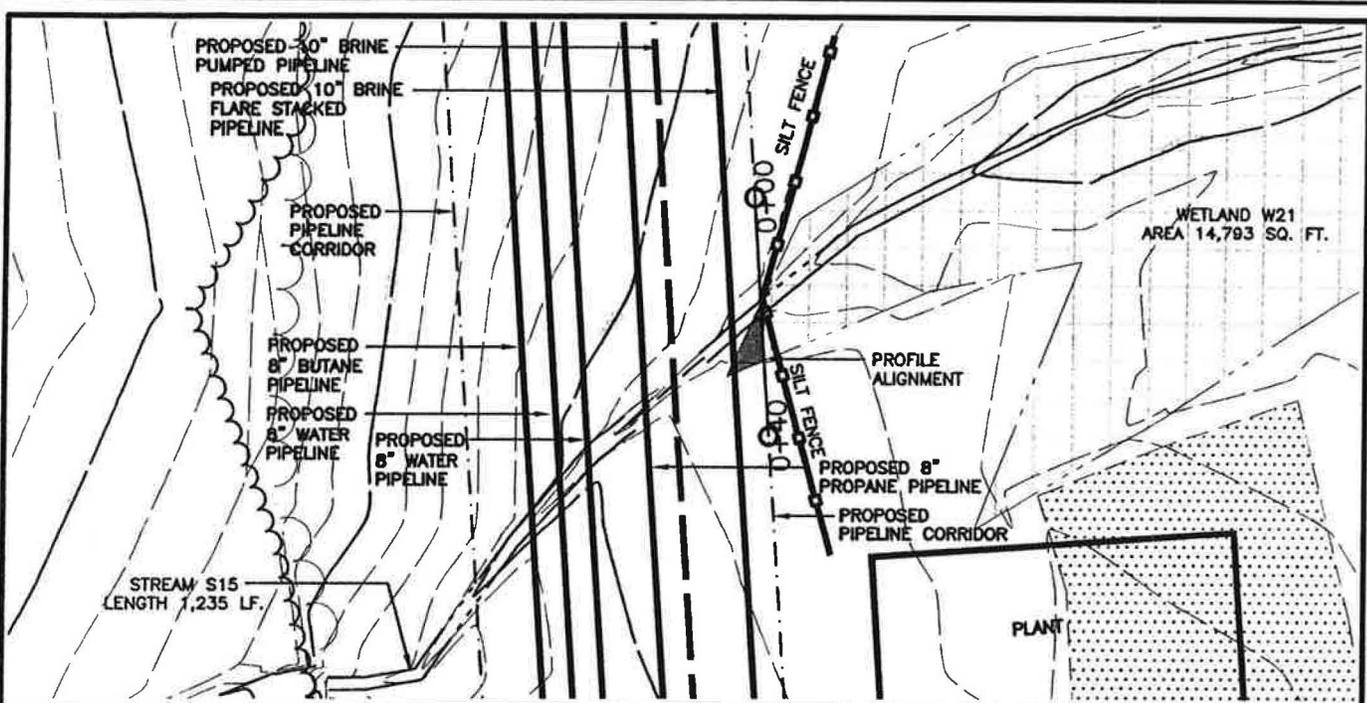
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Proj. No. 08.8696

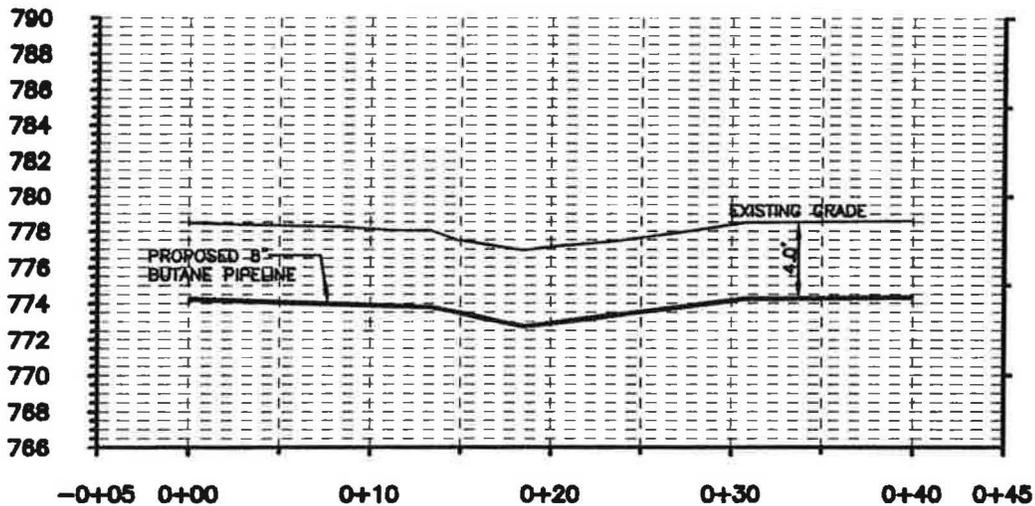
SCALE: AS SHOWN

DATE: MAY 7, 2012

NONE :XREFS



PLAN VIEW (SCALE 1"=30')



PROFILE VIEW (SCALE 1"=10')

PERMANENT IMPACT=0
TEMPORARY IMPACT=31± SQ. FT.

WETLAND 21
IMPACT NO. 12A

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 25 of 27



WATERBODY IMPACT MAP
IMPACT 12A
FINGER LAKES LPG STORAGE, LLC

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.



Drafter: SMW/MMB

Checker: JFC

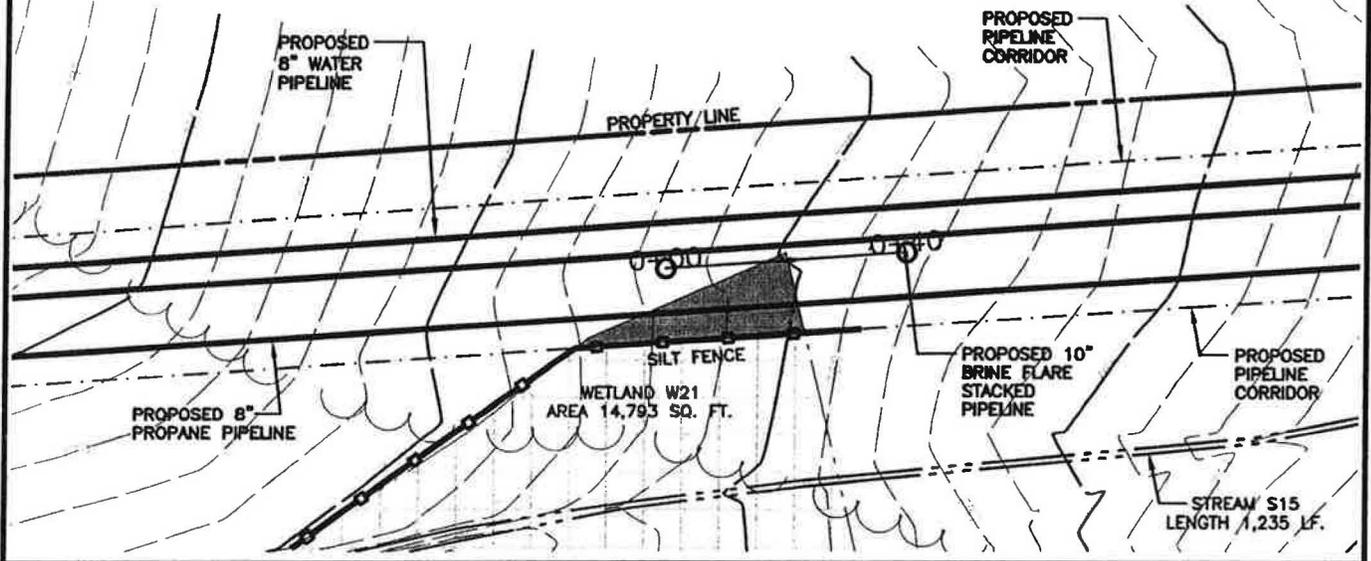
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Proj. No. 08.8696

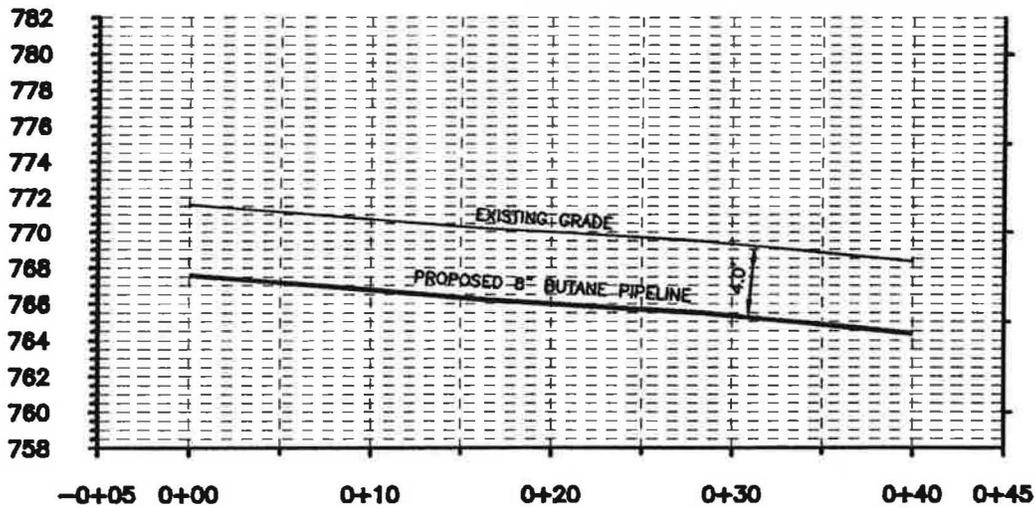
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DATE: MAY 7, 2012

CAD DWG. FILE NAME: FILENAME



PLAN VIEW (SCALE 1"=30')

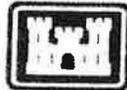


PROFILE VIEW (SCALE 1"=10')

PERMANENT IMPACT=0
 TEMPORARY IMPACT=277± SQ. FT.

WETLAND W21
 IMPACT NO. 12B

Finger Lakes LPG Storage, LLC
 D/A Processing No. 2011-00983
 Schuyler County, New York
 Sheet 26 of 27



WATERBODY IMPACT MAP
 IMPACT 12B
 FINGER LAKES LPG, LLC

TOWN OF READING

SCHUYLER COUNTY, NEW YORK

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, P.C.



Drafter: SMW/MMB

Checker: JFC

Appr. by: TJH

Proj. No. 08.8696

SCALE: AS SHOWN

DATE: MAY 7, 2012

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Lands Now or Formerly of
**CASELLA WASTE MANAGEMENT
OF NEW YORK, INC.**
Book 311 Page 17
Tax Map ID 43.00-1-29.11

Finger Lakes LPG Storage, LLC
D/A Processing No. 2011-00983
Schuyler County, New York
Sheet 27 of 27



WETLAND W3
AREA=3,345±SQ.FT.
0.08±ACRES
WETLAND
IMPACT No. 5

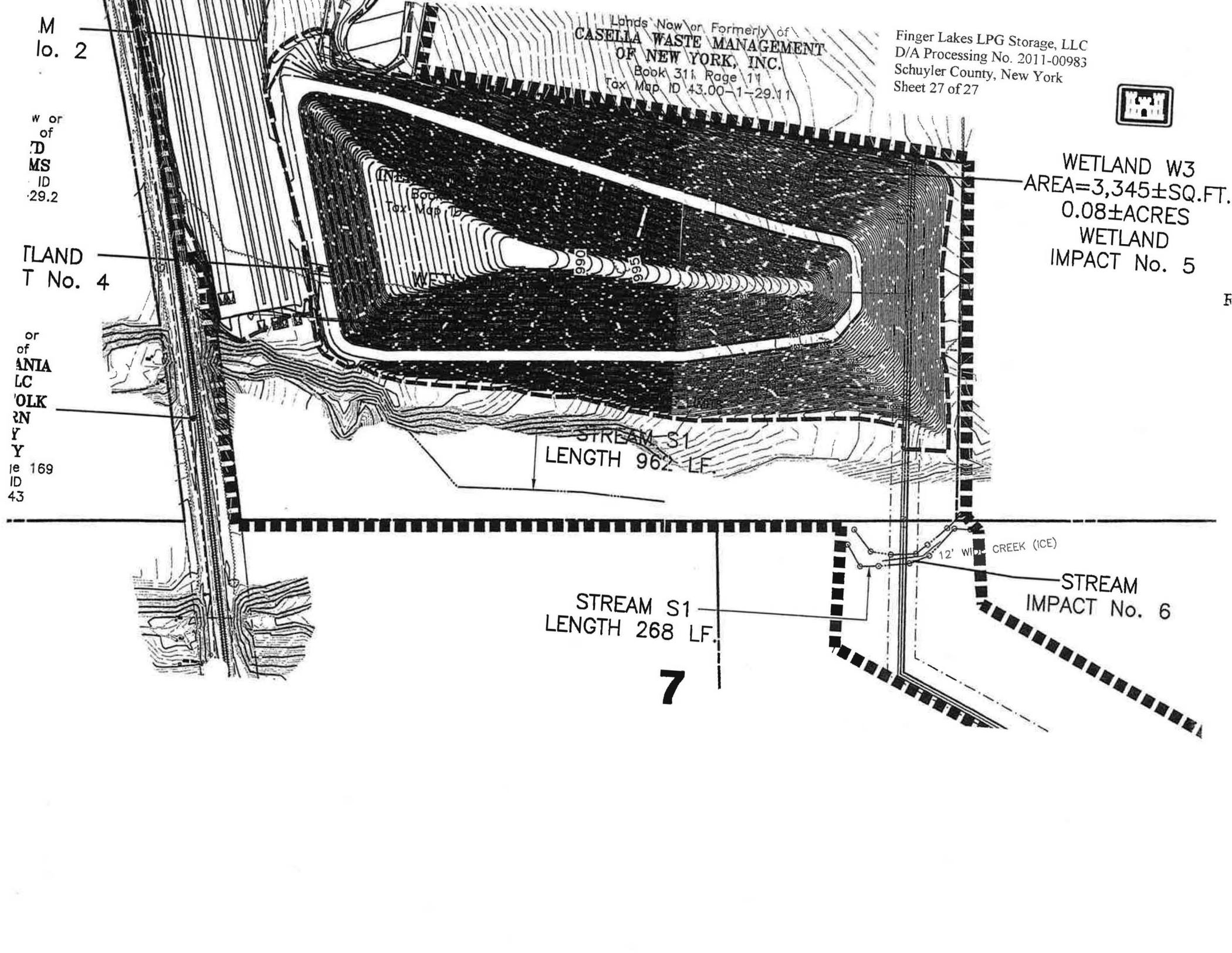
STREAM S1
LENGTH 962 LF.

STREAM S1
LENGTH 268 LF.

12' WID. CREEK (ICE)

STREAM
IMPACT No. 6

7



**ATTACHMENT
PRELIMINARY JURISDICTIONAL DETERMINATION FORM**

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PRELIMINARY JURISDICTIONAL DETERMINATION (JD): May 2, 2012

B. NAME AND ADDRESS OF PERSON REQUESTING PRELIMINARY JD:

Mr. Mike LeRose
Finger Lakes LPG Storage, LLC
800 Robinson Road
Owego, New York 13827

C. DISTRICT OFFICE, FILE NAME, AND NUMBER: Buffalo District, Finger Lakes LPG Storage, LLC, 2011-00983

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION: Study area encompasses an approximately 37-acre parcel (former Casella Property) located west of Route 14, an approximately 50-acre area on the US Salt property located east of Route 14, and a 150-foot wide corridor along the proposed Right-of-way (ROW) connecting the two parcels.

State: NY County/parish/borough: Schuyler Town: Reading
Center coordinates of site (lat/long in degree decimal format): Lat. 42.41907°N
Long. -76.90307° W.
Universal Transverse Mercator: UTM Y Coordinate 4698061.59147758
UTM X Coordinate 343427.709065616
Name of nearest waterbody: unnamed tributary to Seneca Lake

Identify (estimate) amount of waters in the review area: Below is total identified within study area. See attached tables for information on each water identified.

Non-wetland waters: 5,997 linear feet: range from 1-50 feet.

Cowardin Class: Riverine

Stream Flow: see attached table 2

Wetlands: 2.85 acres.

Cowardin Class: see attached table 1

Name of any water bodies on the site that have been identified as Section 10 waters: n/a

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- Office (Desk) Determination. Date: 4/30/12
- Field Determination. Date(s): 9/26/11 and 11/15/11

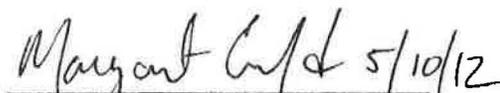
This preliminary JD finds that there "may be" waters of the United States on the subject project site, and identifies all aquatic features on the site that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for preliminary JD (check all that apply

- checked items should be included in case file and, where checked and requested, appropriately reference sources below):

- Maps, plans, plots or plat submitted by or on behalf of the applicant/consultant: AK Environmental.
- Data sheets prepared/submitted by or on behalf of the applicant/consultant.
 - Office concurs with data sheets/delineation report.
 - Office does not concur with data sheets/delineation report.
- Data sheets prepared by the Corps:
- Corps navigable waters' study:
- U.S. Geological Survey Hydrologic Atlas:
 - USGS NHD data.
 - USGS 8 and 12 digit HUC maps.
- U.S. Geological Survey map(s). Cite scale & quad name: Reading Center.
- USDA Natural Resources Conservation Service Soil Survey. Citation: Schuyler County Soil Survey.
- National wetlands inventory map(s). Cite name: Reading Center. Only two freshwater ponds are identified on the NWI map.
- State/Local wetland inventory map(s): Reading Center. No State regulated maps are identified on the site.
- FEMA/FIRM maps:
- 100-year Floodplain Elevation is: (National Geodectic Vertical Datum of 1929)
- Photographs: Aerial (Name & Date): Bing maps and NYS GIS Ortho maps.
or Other (Name & Date): on-site photos provided with February 2012 delineation.
- Previous determination(s). File no. and date of response letter:
- Other information (please specify):

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.


Signature and date of
Regulatory Project Manager


Signature and date of
person requesting preliminary JD

FILE NAME AND NUMBER: Finger Lakes LPG Storage, LLC, 2011-00983
Wetlands and streams identified in Tables 1 and 2

Table 1. Wetlands Identified within the Study Corridor Limit Line

Wetland Designation	Wetland Classification*	Size (sq. feet)	Comments
W1	PEM	884	Depression in fallow field
W2	PEM/PSS	24,534	Outfall to S2
W3	POW	3,345	Open water pond
W4	PFO/PSS	4,977	Forested seep/spring
W5	PEM	9,947	Vegetated swale adjacent to equipment yard
W14	PEM/PSS	11,096	Adjacent fringe to S15
W15	PEM	21,811	Depressional swale in clearing
W20	PSS	12,463	Adjacent to existing equip. pad and S15.
W21	PEM	14,793	Located on existing equip. pad and adjacent to S15.
W22	PEM	7,398	Adjacent to S21.
W23	PEM	12,802	Adjacent to S5 and State Route 14

* PEM = Palustrine Emergent Wetland, PFO = Palustrine Forested Wetland, POW = Palustrine Open Water Wetland, PSS = Palustrine Scrub/Shrub (Cowardin et al, 1979)

Table 2. Waterbodies Identified within the Study Corridor Limit Line

Waterbody Crossing Designation	Waterbody Type	Bank-to-Bank Width (feet)	Length (linear feet)	Comments
S1	Perennial	20	1,230	UNT to Seneca Lake
S2	Ephemeral	1	583	Drains to W2
S3	Ephemeral	1	93	Drains to W4
S4	Intermittent	2	797	UNT to Seneca Lake
S5	Intermittent	3	314	UNT to Seneca Lake
S6	Perennial	15	263	UNT to Seneca Lake
S7	Intermittent	20	208	Same as S4
S8	Perennial	50	200	Same as S1
S15	Intermittent	2	1,235	UNT to Seneca Lake
S21	Intermittent	2	1,074	UNT to Seneca Lake

UNT = Unnamed Tributary