Application for Section 401 Water Quality Certification

Project: Shoreline Improvements at 31836 Lake Road, Avon Lake, Ohio
Applicant: John & Maria Marzavas
Site Address: 31836 Lake Road, Avon Lake, Ohio 44012
KS Project No: 13313

Item 6
Project Mapping

Section 1

1.1 Topographic Map
1.2 Aerial Photograph
1.3 Vicinity Map
1.4 Floodplain Map
1.5 Existing Site Plan

Section 2

2.1 Preferred Site Plan
Section A-A, Preferred Alternative
2.2 Minimal Degradation Site Plan
Section A-A, Minimal Degradation Alternative
Section B-B, Minimal Degradation Alternative
Section C-C, Minimal Degradation Alternative
2.3 Non-Degradation Alternative Site Plan

Application for Section 401 Water Quality Certification

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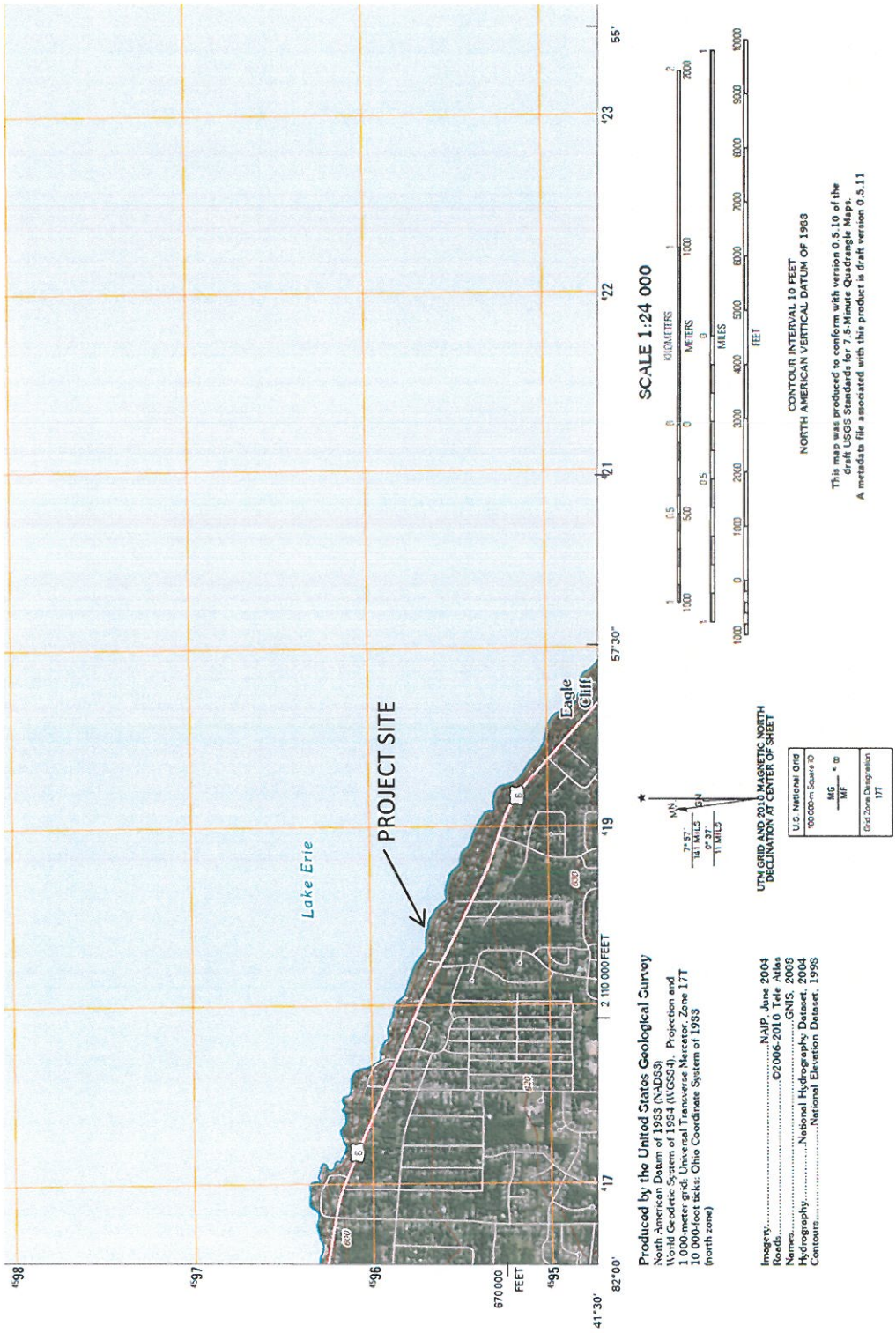
KS Project No: 13313

Item 6
Project Mapping

1.1 Topographic Map



Application for Section 401 Water Quality Certification

Project: Shoreline Improvements at 31836 Lake Road, Avon Lake, Ohio
Applicant: John & Maria Marzavas
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KS Project No: 13313

Item 6
Project Mapping

1.2 Aerial Photograph

Application for Section 401 Water Quality Certification

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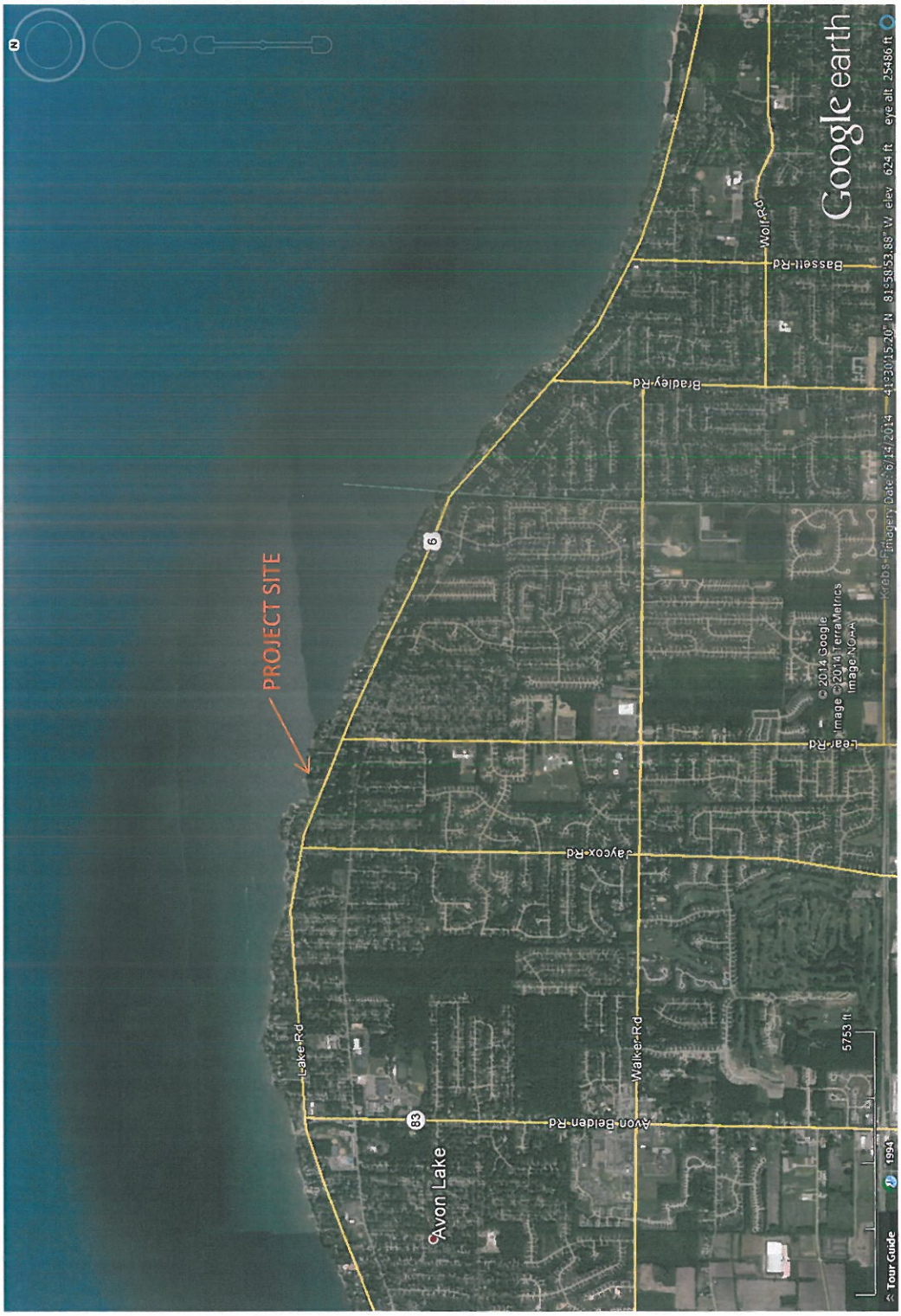
KS Project No: 13313

Item 6
Project Mapping

1.3 Vicinity Map



Application for Section 401 Water Quality Certification

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Site Address: 31836 Lake Road, Avon Lake, Ohio 44012
KS Project No: 13313

Item 6
Project Mapping

1.4 Floodplain Map is not applicable. The project site includes an approximately 35 to 40-foot bluff and is not located in a floodplain.

Application for Section 401 Water Quality Certification

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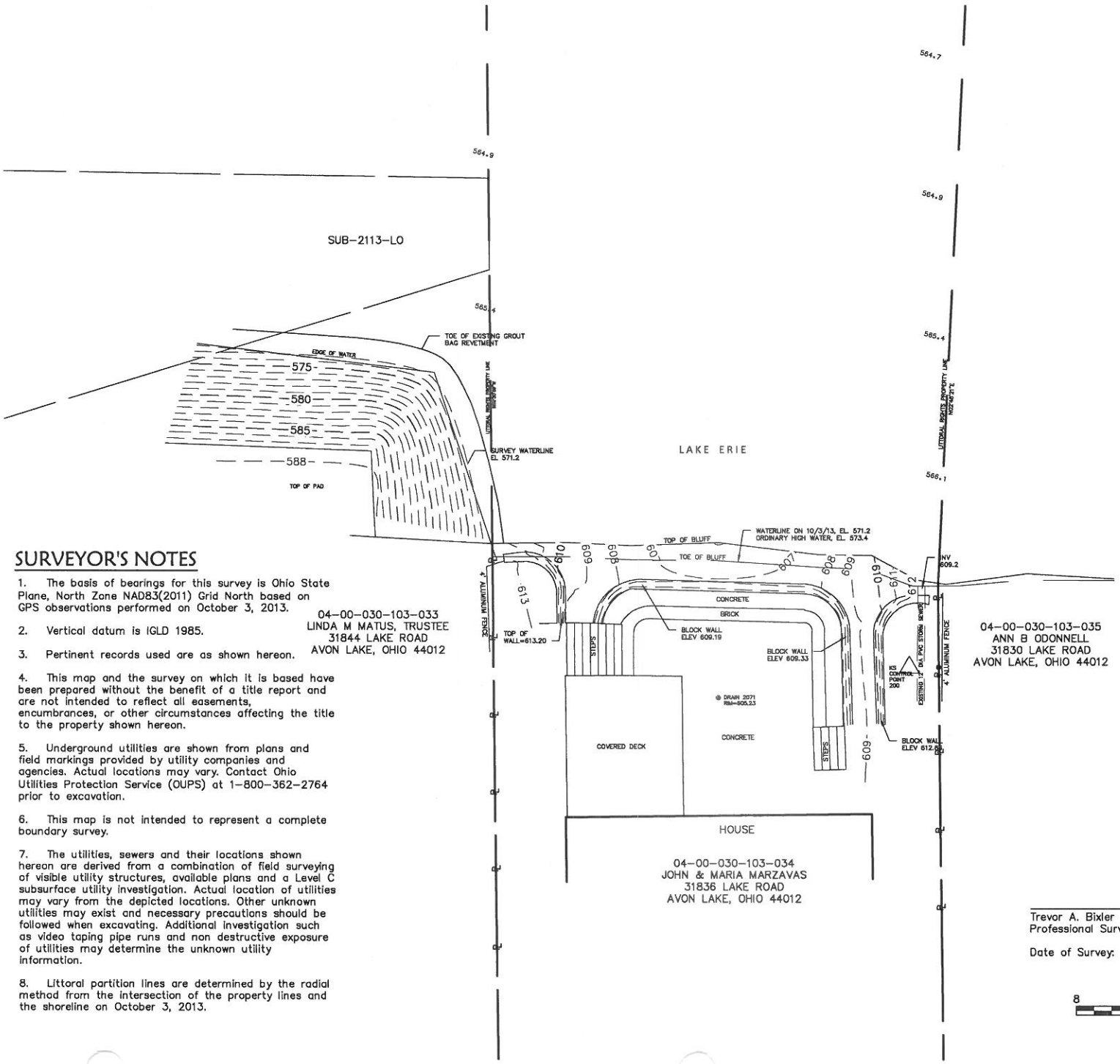
Item 6
Project Mapping

1.5 Existing Site Plan



SURVEYOR'S NOTES

1. The basis of bearings for this survey is Ohio State Plane, North Zone NAD83(2011) Grid North based on GPS observations performed on October 3, 2013.

2. Vertical datum is IGLD 1985.

3. Pertinent records used are as shown hereon.

4. This map and the survey on which it is based have been prepared without the benefit of a title report and are not intended to reflect all easements, encumbrances, or other circumstances affecting the title to the property shown hereon.

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6. This map is not intended to represent a complete boundary survey.

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8. Littoral partition lines are determined by the radial method from the intersection of the property lines and the shoreline on October 3, 2013.

Trevor A. Bixler — Date
Professional Surveyor Ohio No. 7730

Date of Survey: October 3, 2013

8 0 8 16
SCALE IN FEET
SCALE 1/16"=1'

DATE	BY	ADJACENT PROPERTY OWNERS
		LINDA M. MATUS, TRUSTEE 31844 LAKE ROAD, AVON LAKE, OHIO 44012
		ANN B. ODONNELL 31830 LAKE ROAD, AVON LAKE, OHIO 44012
		DATUM: 0.0 LWD = 569.2 FEET IGLD 1985

REVISIONS

DATE: 8-27-14
DRAWN BY: MPC
CHK'D BY: JSN
DWG. NAME: 13313-2
PATH:
F.B.: 889

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EXISTING SITE PLAN
JOHN & MARIA MARZAVAS
31836 LAKE ROAD
AVON LAKE, OHIO 44012

SHEET 1 OF 1

JOB NO. 13313

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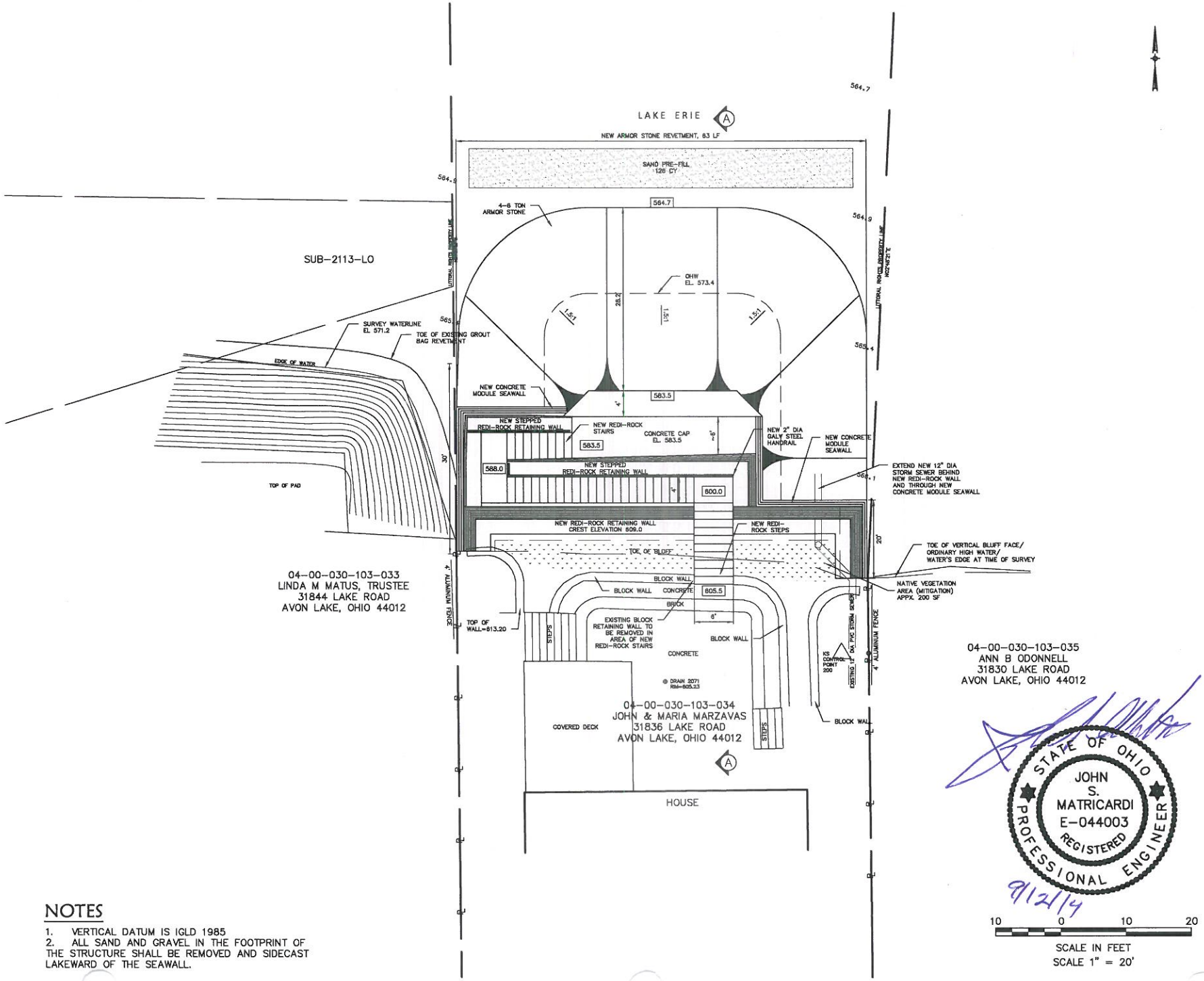
Application for Section 401 Water Quality Certification

Project: Shoreline Improvements at 31836 Lake Road, Avon Lake, Ohio
Applicant: John & Maria Marzavas
Site Address: 31836 Lake Road, Avon Lake, Ohio 44012
KS Project No: 13313

Item 6
Project Mapping

2.1 Preferred Alternative



NOTES

1. VERTICAL DATUM IS IGLD 1985
2. ALL SAND AND GRAVEL IN THE FOOTPRINT OF THE STRUCTURE SHALL BE REMOVED AND SIDECAST LAKEWARD OF THE SEAWALL.

ADJACENT PROPERTY OWNERS
LINDA M. MATUS, TRUSTEE 31844 LAKE ROAD, AVON LAKE, OHIO 44012
ANN B. ODONNELL 31830 LAKE ROAD, AVON LAKE, OHIO 44012
DATUM: 0.0 LWD = 569.2 FEET IGLD 1985

REVISIONS	DATE	BY

DATE: 8-27-14
DRAWN BY: MPC
CK'D BY: JSM
DWG. NAME: 13313-3A
PATH:
F.B.

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SITE PLAN, PREFERRED ALTERNATIVE
JOHN & MARIA MARZAVAS
31836 LAKE ROAD
AVON LAKE, OHIO 44012

SHEET 1 OF 2

JOB NO. 13313

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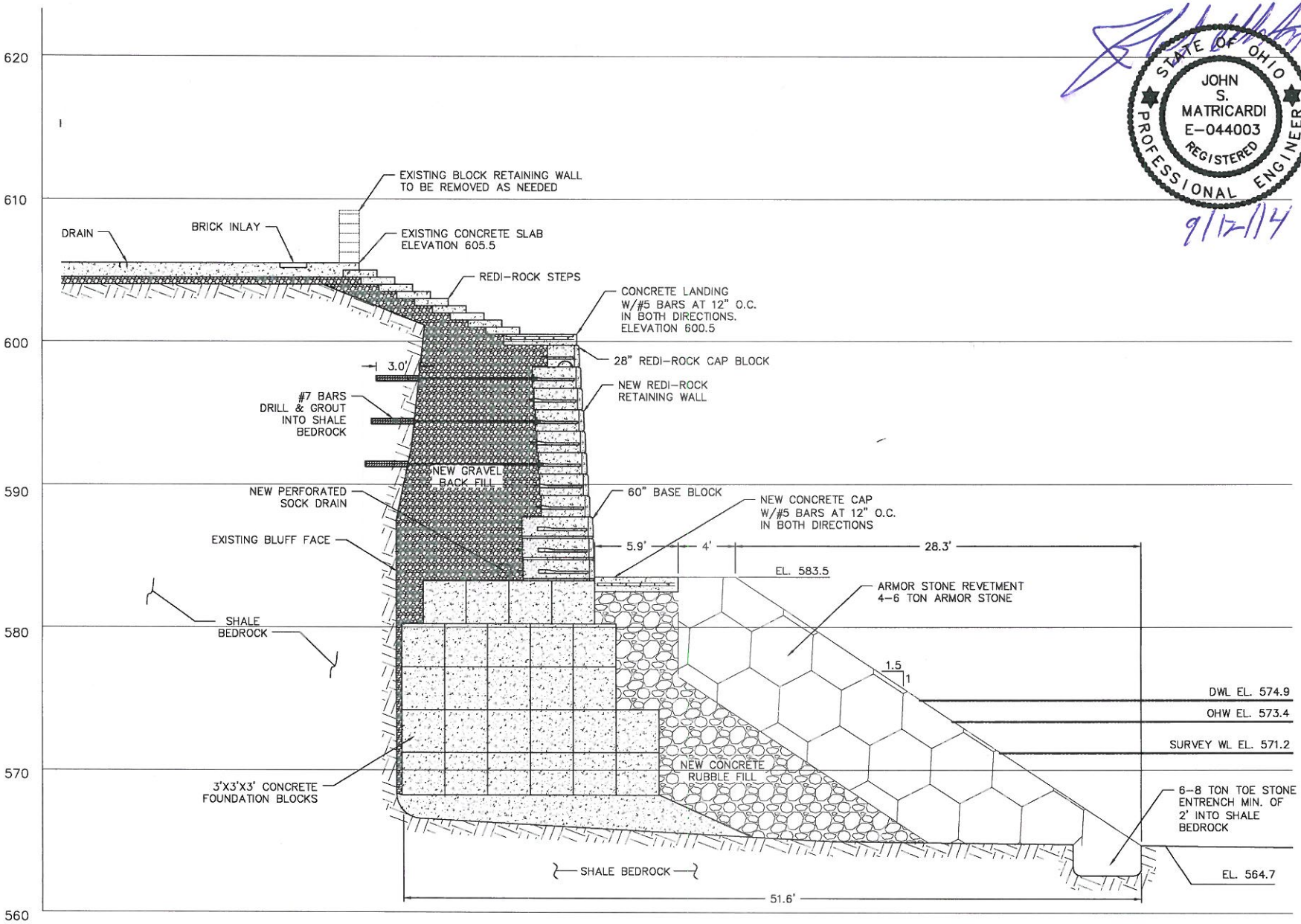

PREFERRED ALTERNATIVE
SECTION A-A

SCALE 1"=10'

5 0 5 10

SCALE IN FEET

NOTES

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STATE OF OHIO
JOHN S. MATRICARDI
E-044003
REGISTERED
PROFESSIONAL ENGINEER

9/12/14

DATE	BY	REVISIONS

ADJACENT PROPERTY OWNERS
LINDA M. MATUS, TRUSTEE
31844 LAKE ROAD, AVON LAKE, OHIO 44012
ANN B. ODONNELL
31830 LAKE ROAD, AVON LAKE, OHIO 44012

DATUM: 0.0 LWD = 569.2 FEET IGLD 1985

DATE: 8-27-14
DRAWN BY: MPC
CKD BY: JSM
DWG. NAME: 13313-14
PATH:
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SECTION A-A, PREFERRED ALTERNATIVE
JOHN & MARIA MARZAVAS
31836 LAKE ROAD
AVON LAKE, OHIO 44012

SHEET 2 OF 2

JOB NO. 13313

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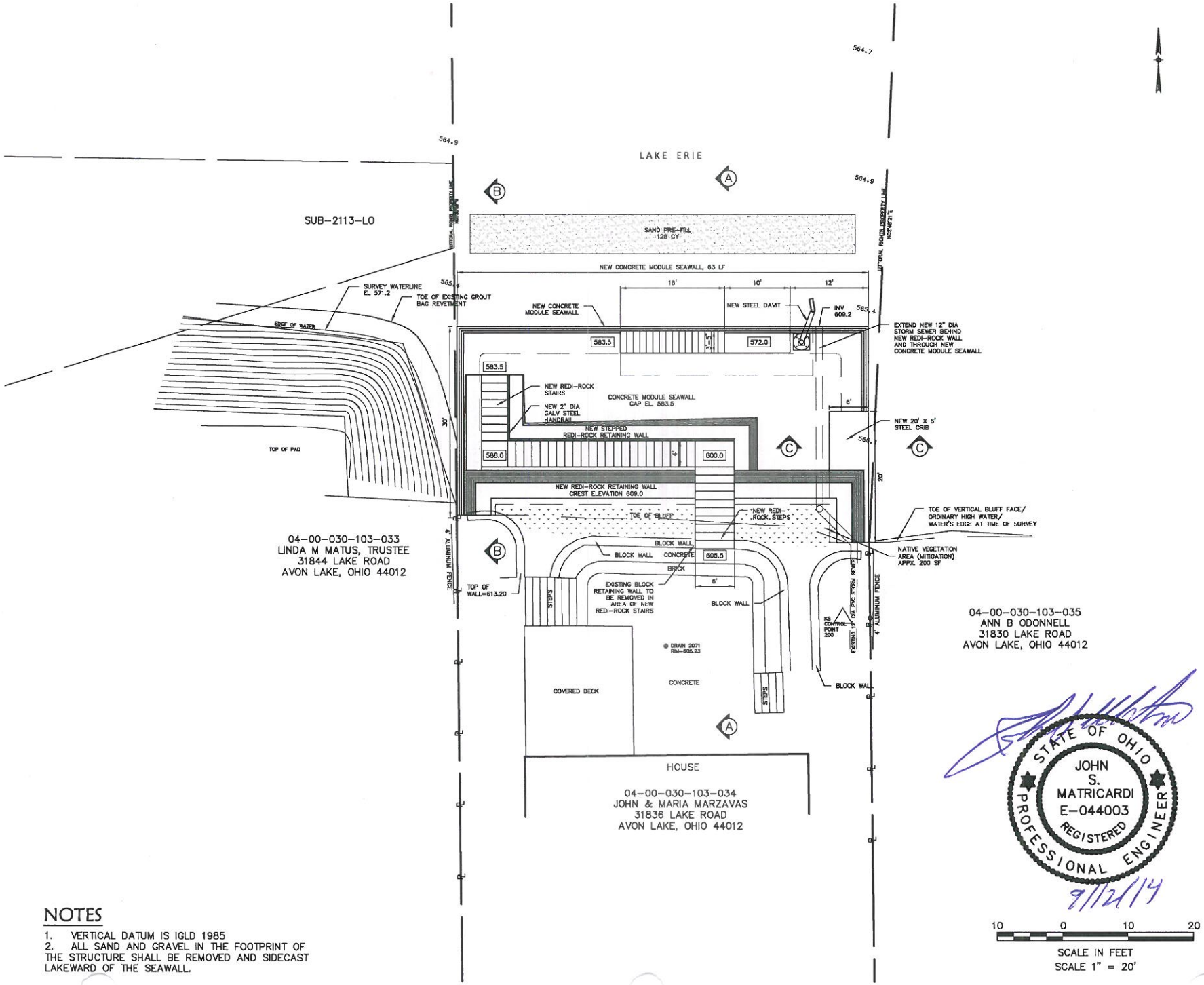
Application for Section 401 Water Quality Certification

Project: Shoreline Improvements at 31836 Lake Road, Avon Lake, Ohio
Applicant: John & Maria Marzavas
Site Address: 31836 Lake Road, Avon Lake, Ohio 44012
KS Project No: 13313

Item 6
Project Mapping

2.2 Minimum Degradation Alternative



NOTES

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REVISIONS		
DATE	BY	ADJACENT PROPERTY OWNERS
		LINDA M. MATUS, TRUSTEE 31844 LAKE ROAD, AVON LAKE, OHIO 44012
		ANN B. ODONNELL 31830 LAKE ROAD, AVON LAKE, OHIO 44012
		DATUM: 0.0 LWD = 569.2 FEET IGLD 1985

DATE: 8-27-14
DRAWN BY: MPC
CH'D BY: JSM
DWG. NAME: 13313-3
PATH:
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SITE PLAN, MINIMAL DEGRADATION ALT.
JOHN & MARIA MARZAVAS
31836 LAKE ROAD
AVON LAKE, OHIO 44012

SHEET 1 OF 4

JOB NO. 13313

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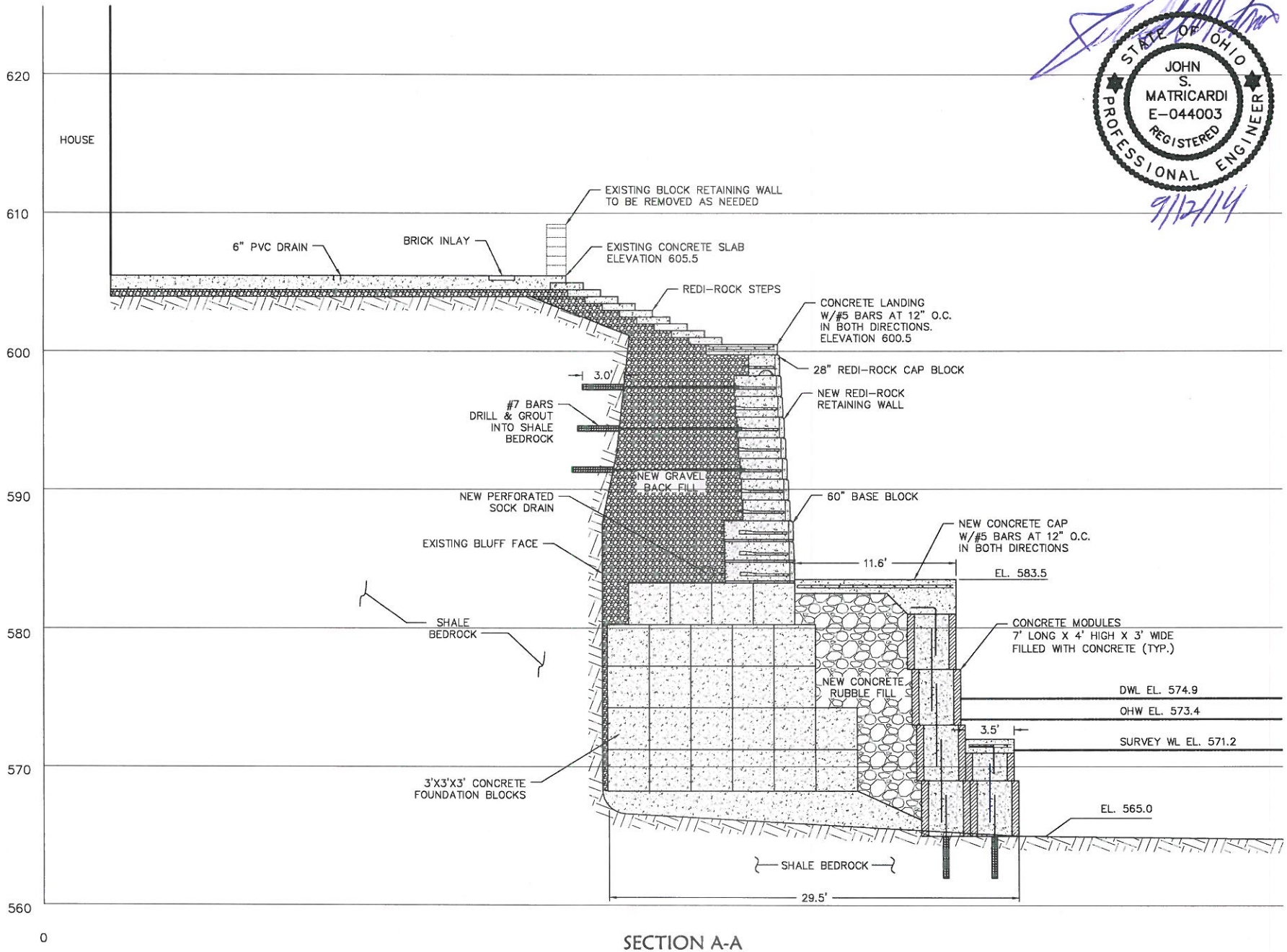

SECTION A-A

SCALE 1"=10'

5 0 5 10

SCALE IN FEET

NOTES

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STATE OF OHIO
JOHN S. MATRICARDI
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REGISTERED
PROFESSIONAL ENGINEER
9/12/14

DATE	BY	ADJACENT PROPERTY OWNERS
		LINDA M. MATUS, TRUSTEE 31844 LAKE ROAD, AVON LAKE, OHIO 44012
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		DATUM: 0.0 LWD = 569.2 FEET IGLD 1985

REVISIONS

DATE: 8-27-14
DRAWN BY: MPC
CHK'D BY: JSM
DWG. NAME: 13313-08
PATH:
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SECTION A-A, MINIMAL DEGRADATION ALT.
JOHN & MARIA MARZAVAS
31836 LAKE ROAD
AVON LAKE, OHIO 44012

SHEET 2 OF 4

JOB NO. 13313

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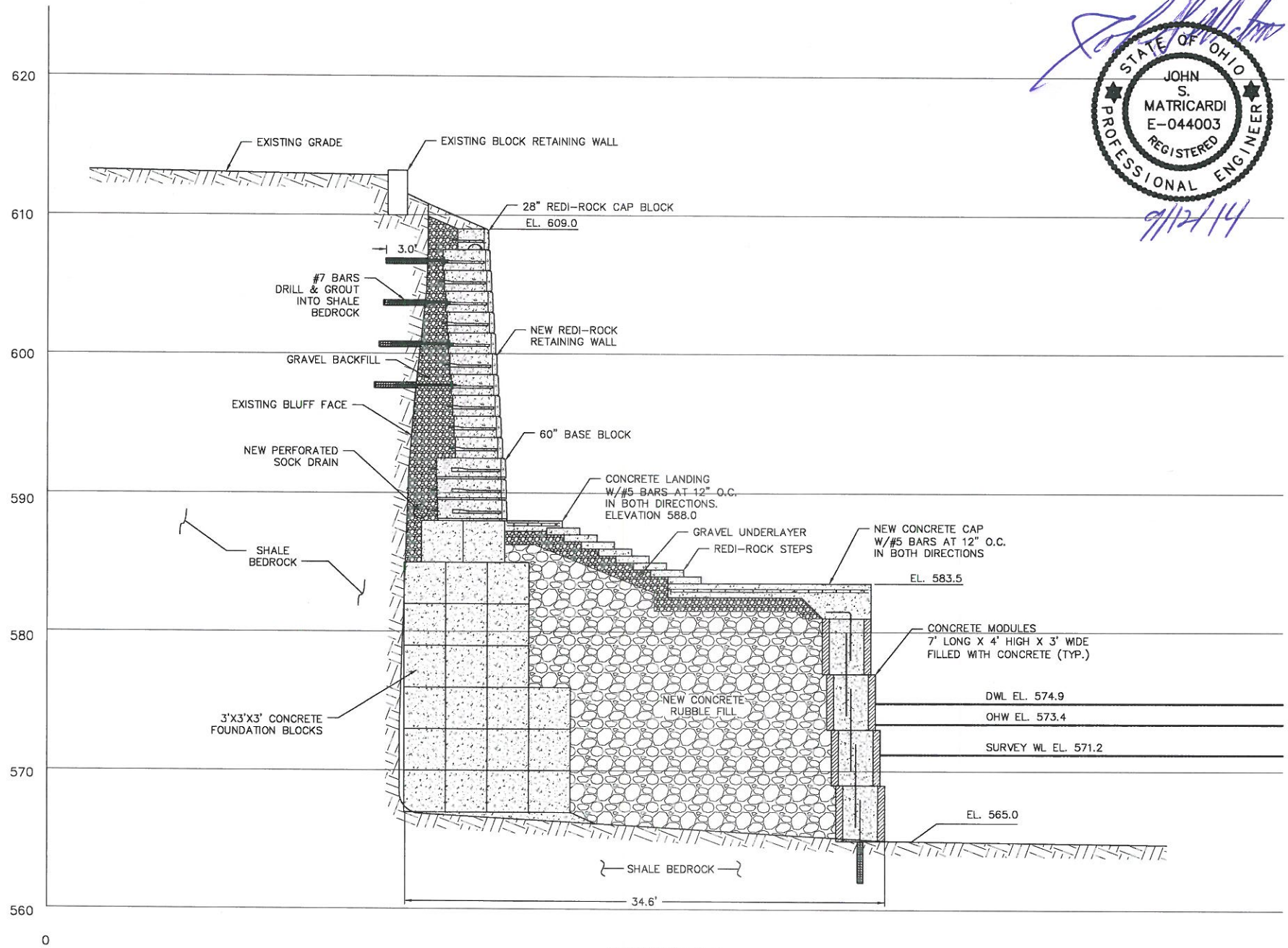

SECTION B-B

SCALE 1"=10'

5 0 5 10

SCALE IN FEET

NOTES

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STATE OF OHIO
JOHN S. MATRICARDI
E-044003
REGISTERED
PROFESSIONAL ENGINEER

9/12/14

DATE	BY	REVISIONS

ADJACENT PROPERTY OWNERS
LINDA M. MATUS, TRUSTEE
31844 LAKE ROAD, AVON LAKE, OHIO 44012
ANN B. ODONNELL
31830 LAKE ROAD, AVON LAKE, OHIO 44012

DATUM: 0.0 LWD = 569.2 FEET IGLD 1985

DATE: 8-27-14
DRAWN BY: MPC
CKD BY: JSM
DWG. NAME: 13313-B
PATH:
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SECTION B-B, MINIMAL DEGRADATION ALT.
JOHN & MARIA MARZAVAS
31836 LAKE ROAD
AVON LAKE, OHIO 44012

SHEET 3 OF 4

JOB NO. 13313

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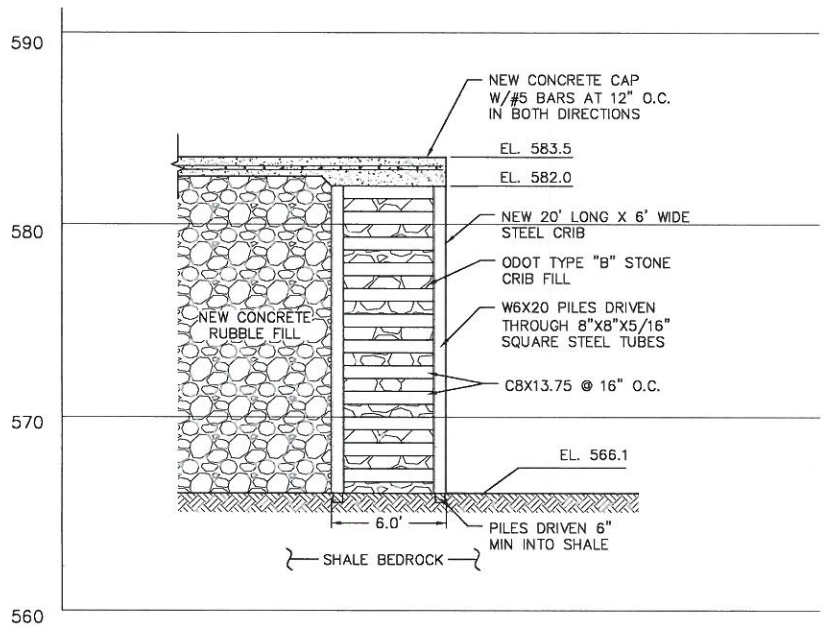

SECTION C-C

SCALE 1"=10'

5 0 5 10

SCALE IN FEET

STATE OF OHIO
JOHN S. MATRICARDI
E-044003
REGISTERED
PROFESSIONAL ENGINEER

9/12/14

NOTES

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REVISIONS			
DATE	BY		

ADJACENT PROPERTY OWNERS
LINDA M. MATUS, TRUSTEE
31844 LAKE ROAD, AVON LAKE, OHIO 44012
ANN B. ODONNELL
31830 LAKE ROAD, AVON LAKE, OHIO 44012

DATUM: 0.0 LWD = 569.2 FEET IGLD 1985

DATE: 8-27-14
DRAWN BY: MPS
CKD BY: JSM
DWG. NAME: 13313-4B
PATH:
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SECTION C-C, MINIMAL DEGRADATION ALT.
JOHN & MARIA MARZAVAS
31836 LAKE ROAD
AVON LAKE, OHIO 44012

SHEET 4 OF 4

JOB NO. 13313

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Application for Section 401 Water Quality Certification

Project: Shoreline Improvements at 31836 Lake Road, Avon Lake, Ohio
Applicant: John & Maria Marzavas
Site Address: 31836 Lake Road, Avon Lake, Ohio 44012
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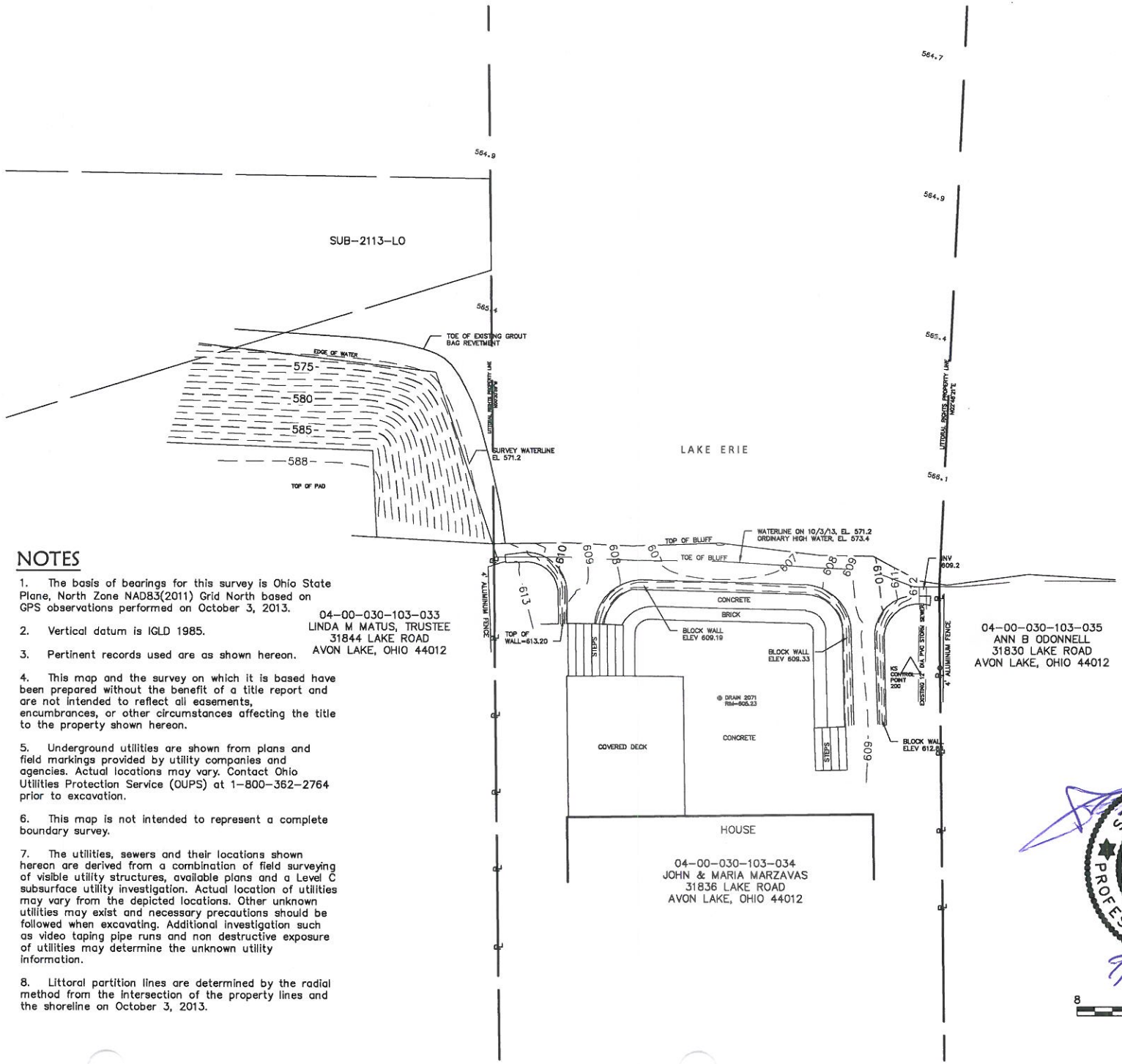
Item 6
Project Mapping

2.1 Non-Degradation Alternative



NOTES

1. The basis of bearings for this survey is Ohio State Plane, North Zone NAD83(2011) Grid North based on GPS observations performed on October 3, 2013.

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STATE OF OHIO
JOHN S. MATRICARDI
E-044003
REGISTERED
PROFESSIONAL ENGINEER
9/12/14

DATE	BY	REVISIONS
		ADJACENT PROPERTY OWNERS
		LINDA M. MATUS, TRUSTEE 31844 LAKE ROAD, AVON LAKE, OHIO 44012
		ANN B. ODONNELL 31830 LAKE ROAD, AVON LAKE, OHIO 44012
		DATUM: 0.0 LWD = 569.2 FEET IGLD 1985

DATE: 8-27-14
DRAWN BY: MPC
CH'D BY: JSM
DWG. NAME: 13313-2
PATH:
F.B.

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NON-DEGRADATION ALTERNATIVE
JOHN & MARIA MARZAVAS
31836 LAKE ROAD
AVON LAKE, OHIO 44012

SHEET 1 OF 1

JOB NO. 13313

R:\13000\13313\CIVIL 3D 2011\CURRENT DRAWINGS\SHEETS\063014 OEPA APPLICATION DRAWINGS\13313-2A NON DEG ALTERNATIVE SITE PLAN 082714.DWG 8/28/2014 2:19 PM