URS

Received
10-30-14
(mw)

October 28, 2014

US Army Corps of Engineers, Buffalo District
Ms. Chantelle Carroll
Orwell Field Office
33 Grand Valley Avenue
Orwell, OH 44076

Re: Ohio Department of Natural Resources – Geneva State Park Shoreline Reconstruction Project; Pre-Construction Notification, Geneva, Ashtabula County, Ohio.

Dear Ms. Carroll:

On behalf of the Ohio Department of Natural Resources, URS would like to submit this letter and attachments to serve as notification regarding the proposed Geneva State Park Shoreline Reconstruction Project, Geneva, Ashtabula County, Ohio (Figure 1 – Project Location Map). In October 2012, remnants of Hurricane Sandy exhibited wind gusts in excess of approximately 60 mph when it came ashore, causing severe wave action along the Lake Erie shoreline. The storm surge caused wave action to severely damage the existing shorewall. The Ohio Department of Natural Resources is proposing reconstruct the shorewall. The project plans are attached.

We look forward to your evaluation of this project and the issuance of a Letter of Permission for the Geneva State Park Shoreline Reconstruction Project. Please contact me at (216) 622-2303 if you have any questions or need any additional information.

Best regards,

URS Corporation

Auggie Ruggiero
Project Ecologist

URS Corporation
1375 Euclid Avenue, Suite 600
Cleveland, OH 44115-1808
Tel: 216-622-2400
Fax: 216-622-2428
www.urscorp.com

17. DIRECTIONS TO THE SITE

From points East of Cleveland, travel on I-90W to Cleveland, Ohio. Exit Right onto OH-528 toward Madison (Exit 212). Turn left on OH-307/Warner Road. Turn left onto Bates Road/CR 25. Turn right onto Middle Ridge Road/CR 22. Turn left on Arcola Road. Keep straight onto Dock Road/CR 1. Turn right onto Cashen Road/CR 36. Turn left onto N County Line Road. Access road for site approximately 0.7-mile on left.

18. Nature of Activity (Description of project, include all features)

The primary purpose of the proposed project is to reconstruct the shorewall that was severely damaged caused by wave action from Hurricane Sandy in the fall of 2012. The proposed reconstructed shorewall will consist of interlocking sheet piles that form a continuous shorewall connected to a structural deadman wall 15 to 20 feet to the south via connecting rods. The newly constructed wall will be constructed 5-10 feet south of the existing wall. The design will require placement of 0.17 acres (700 cubic yards) of toe protection below the ordinary high water level of Lake Erie along the shorewall for stabilization and to prevent scouring by wave action.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

To reconstruct the existing damaged shorewall along a similar alignment with the additional intention of maximizing park space and minimizing impacts to existing park structures and the State Park's shoreline configuration.

USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED

20. Reason(s) for Discharge

Due to erosive events caused by Hurricane Sandy in 2012 as well as other storm events, the existing shorewater structure is severely damaged. The discharges are necessary in order to provide scour protection from wave action along the base of the reconstructed wall.

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type Amount in Cubic Yards	Type Amount in Cubic Yards	Type Amount in Cubic Yards
700 cy of stone	(see attached Plans)	

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres 0.17

or

Linear Feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

The limits of the structure have been minimized to the largest extent practicable while maintaining the structural integrity of the structure.

24. Is Any Portion of the Work Already Complete? ☐ Yes ☒ No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (If more than can be entered here, please attach a supplemental list).

a. Address- 4599 Padanarum Road

City - Geneva State - OH Zip - 44041

b. Address-

City - State - Zip -

c. Address-

City - State - Zip -

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED

* Would include but is not restricted to zoning, building, and flood plain permits

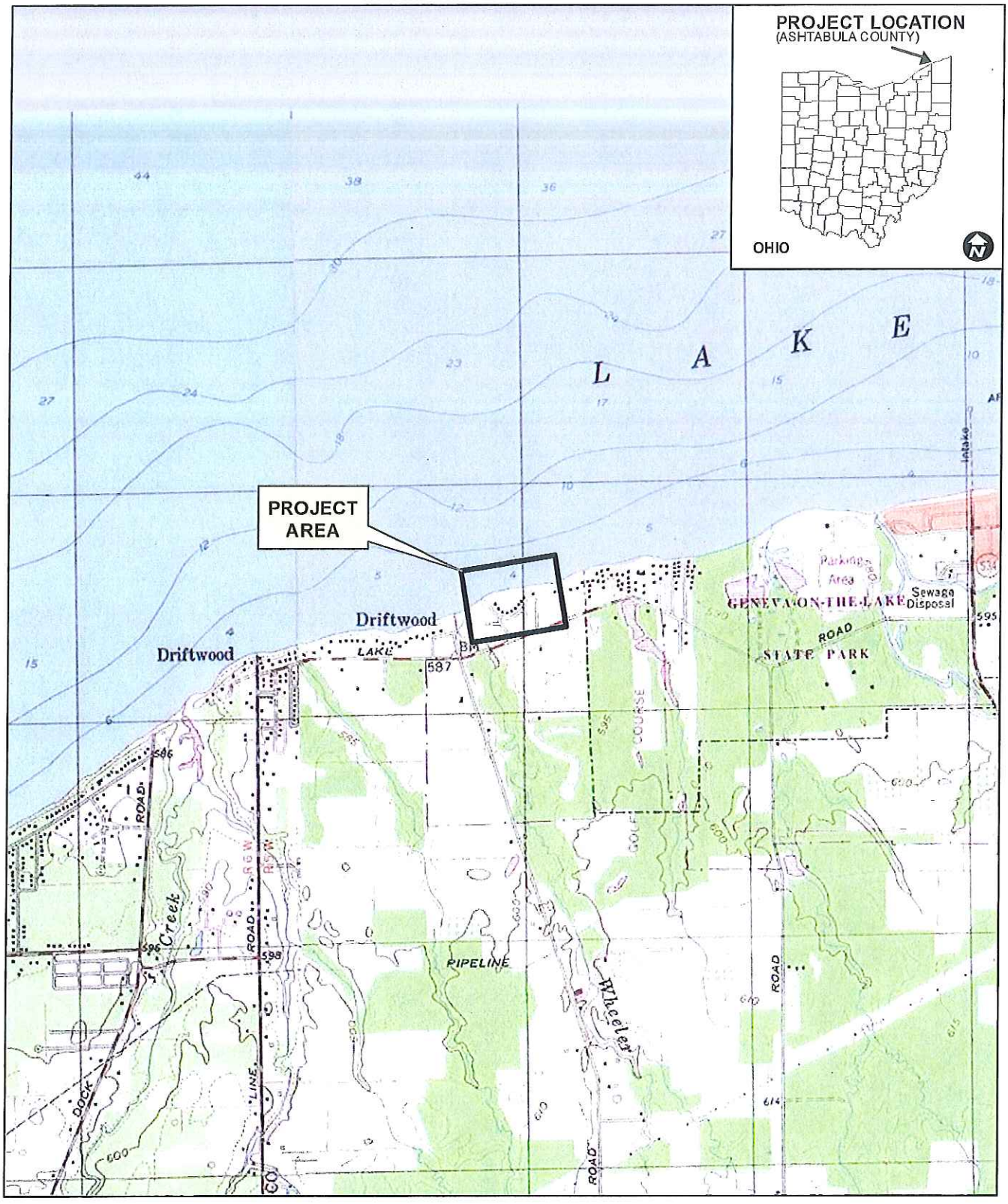
27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

SIGNATURE OF APPLICANT 10/28/14 DATE

SIGNATURE OF AGENT 10/28/14 DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than $10,000 or imprisoned not more than five years or both.



0 500 1,000 2,000 Feet

SCALE: 1"=2000'

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OHIO DEPARTMENT OF NATURAL RESOURCES
GENEVA STATE PARK
SHORELINE RECONSTRUCTION
GENEVA, ASHTABULA COUNTY, OHIO

SITE LOCATION MAP

DRAWN BY:	CHECKED BY:	PROJECT No:	DATE:	FIGURE No:
JDP	CAD	13817501	8/18/2014	1

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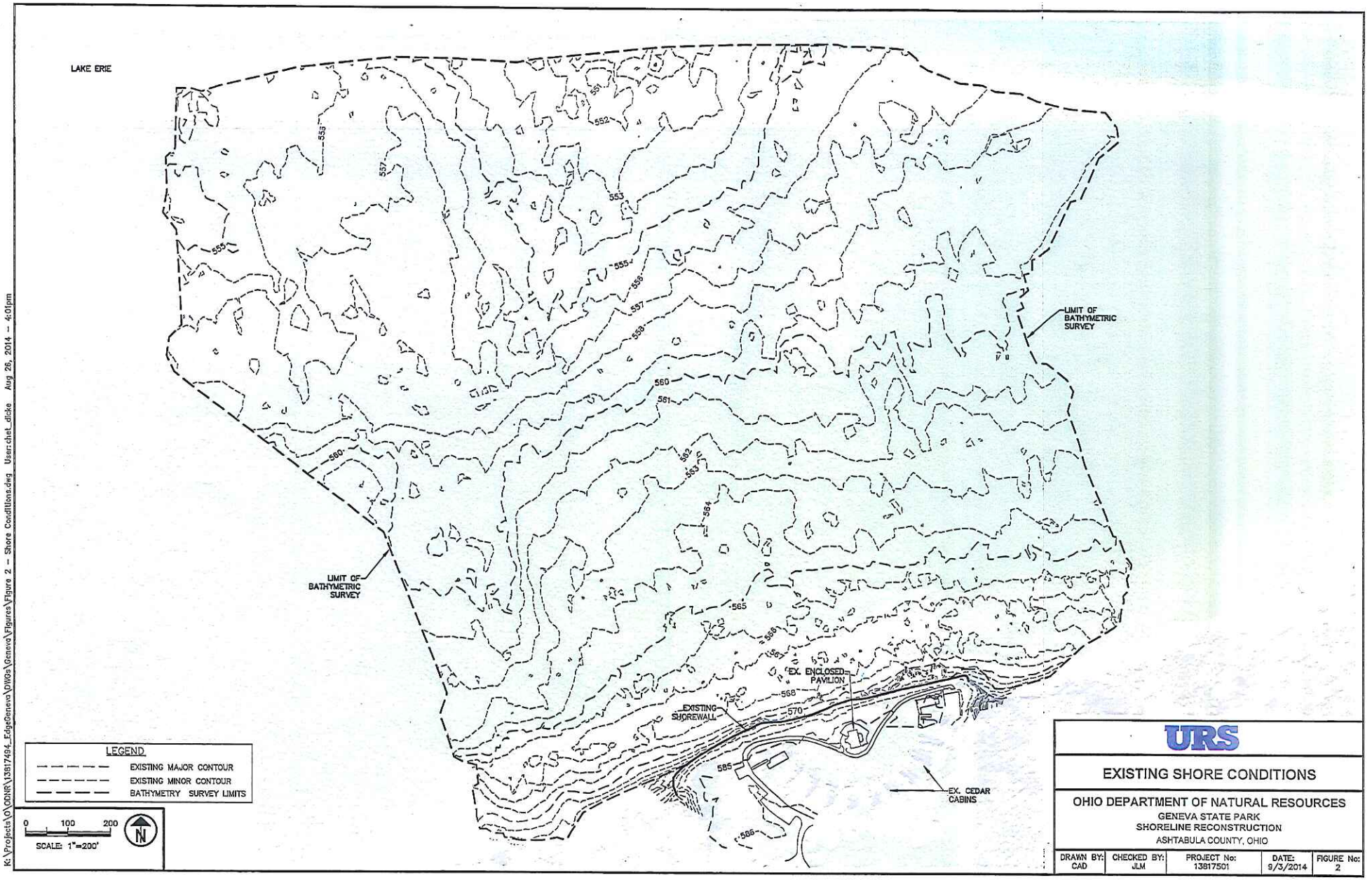
Date Saved: 8/18/2014 10:14:53 AM



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EXISTING SHORE CONDITIONS

OHIO DEPARTMENT OF NATURAL RESOURCES
GENEVA STATE PARK
SHORELINE RECONSTRUCTION
ASHTABULA COUNTY, OHIO

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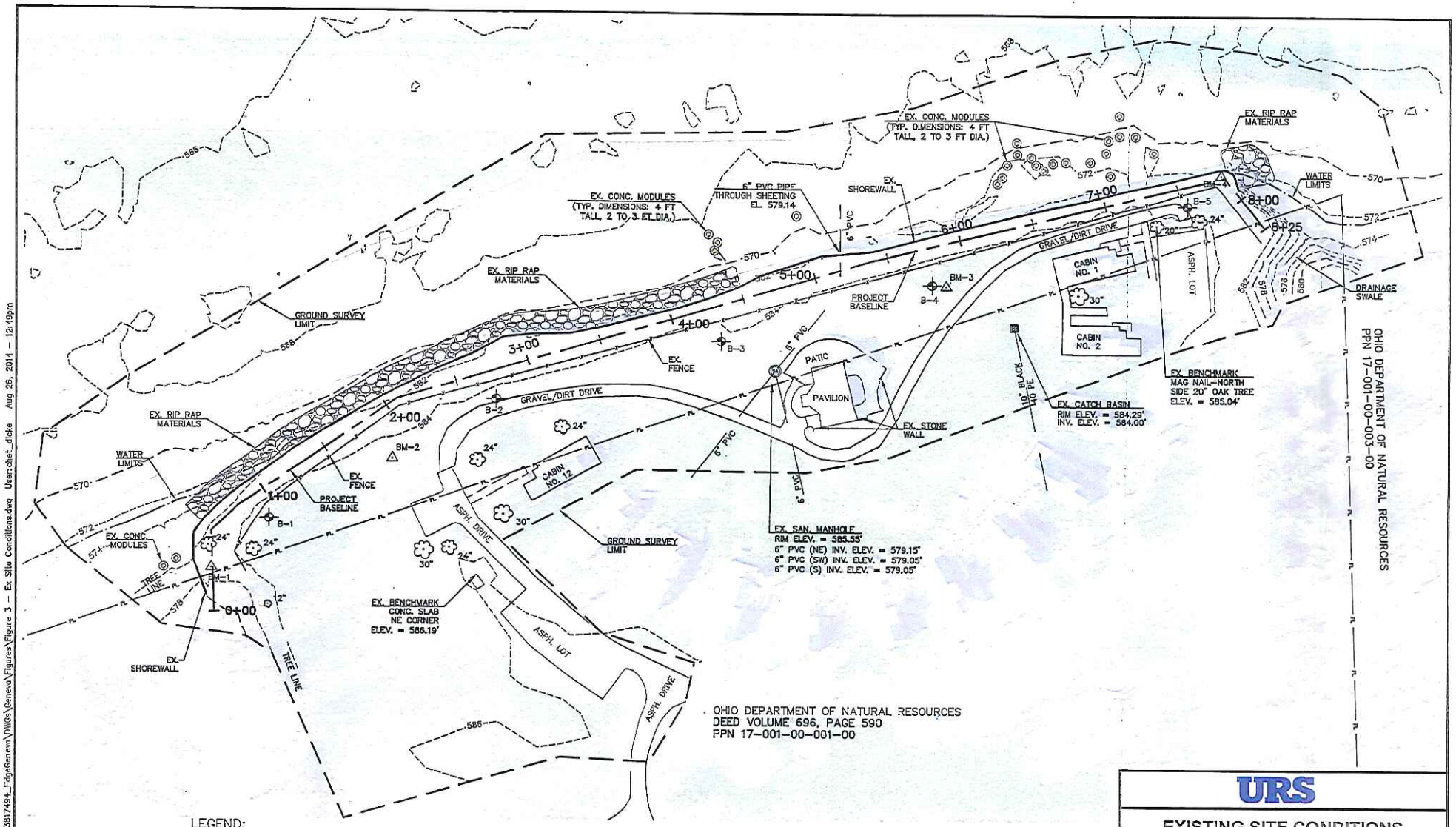

LEGEND:

—580— EXISTING GROUND MAJOR CONTOUR	B-1 SOIL BORING LOCATION
—581— EXISTING GROUND MINOR CONTOUR	BM-2 BENCHMARK LOCATION
LAKE WATER LIMITS	12" TREE
TREE LINE	SANITARY MANHOLE
EXISTING PROPERTY LINE	STORMWATER CATCH BASIN
PROJECT BASELINE	CONCRETE MODULE
EX. PEDESTRIAN FENCE	

0 30 60
SCALE: 1"=60'

BENCHMARK SUMMARY:

BENCHMARK ID	NORTHING	EASTING	ELEVATION
BM-1	800,832.66	2,379,829.97	583.19
BM-2	800,907.84	2,379,950.88	584.69
BM-3	801,027.19	2,380,320.07	584.84
BM-4	801,102.64	2,380,504.09	582.92

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EXISTING SITE CONDITIONS

OHIO DEPARTMENT OF NATURAL RESOURCES
GENEVA STATE PARK
SHORELINE RECONSTRUCTION
ASHTABULA COUNTY, OHIO

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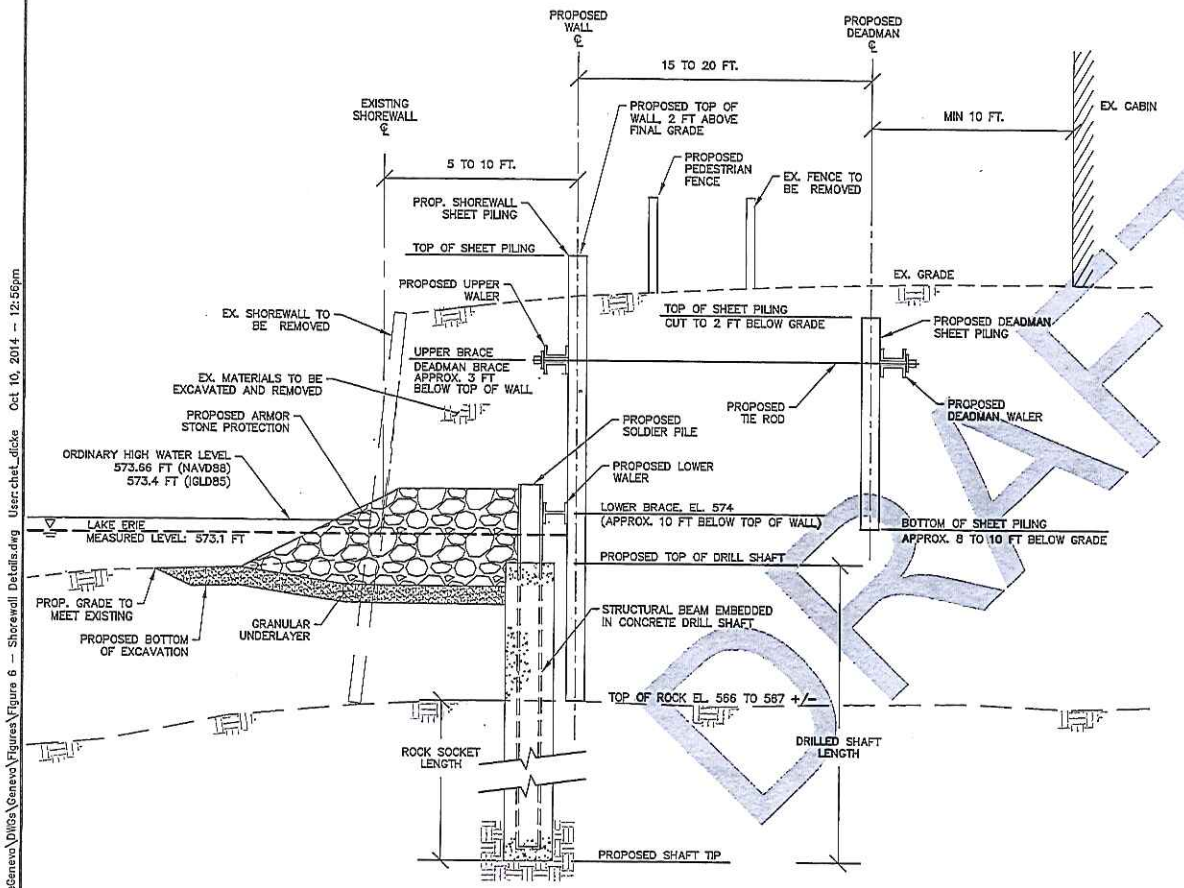
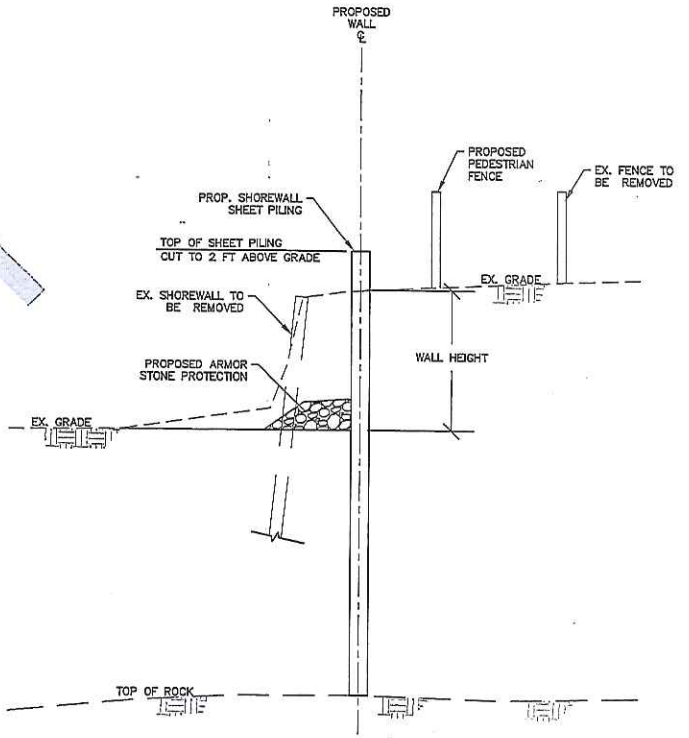


SECTION A – PROPOSED ANCHORED SHOREWALL
SCALE: NTS



SECTION B – PROPOSED CANTILEVER SHOREWALL
SCALE: NTS

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DRAWING NOT DRAWN TO SCALE

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SHOREWALL DETAILS

OHIO DEPARTMENT OF NATURAL RESOURCES
GENEVA STATE PARK
SHORELINE RECONSTRUCTION
ASHTABULA COUNTY, OHIO

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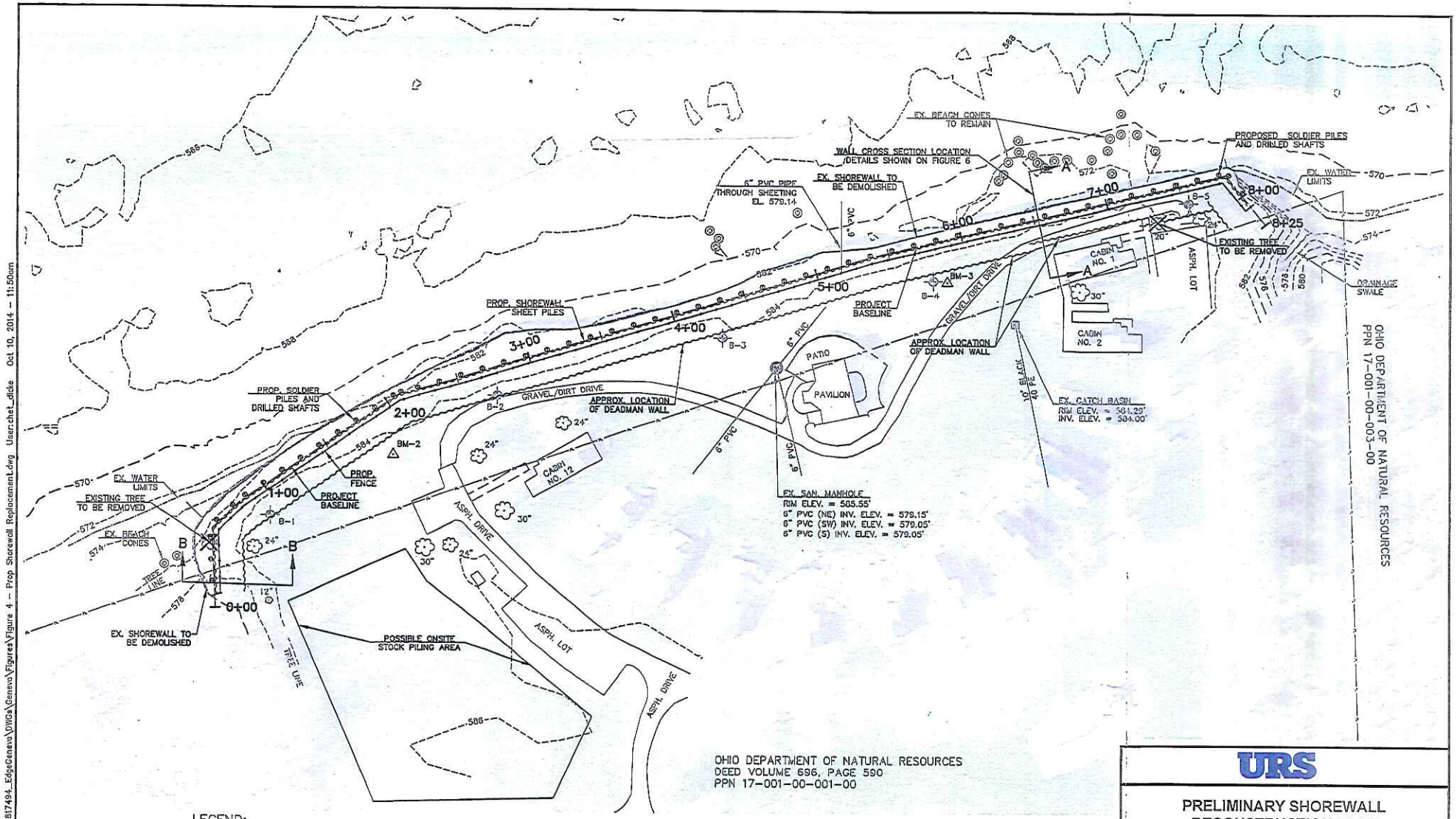

LEGEND:

—580—	EXISTING GROUND MAJOR CONTOUR	B-1	SOIL BORING LOCATION	Φ	PROP. SOLDIER PILES
—581—	EXISTING GROUND MINOR CONTOUR	BM-2	BENCHMARK LOCATION	~	PROP. SHEET PILING
	LAKE WATER LIMITS	12"	TREE		
	TREE LINE		SANITARY MANHOLE		
	EXISTING PROPERTY LINE		STORMWATER CATCH BASIN		
	PROJECT BASELINE		BEACH CONE		
	PROP. PEDESTRIAN FENCE				

0 30 60
SCALE: 1"=60'

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PRELIMINARY SHOREWALL RECONSTRUCTION PLAN

OHIO DEPARTMENT OF NATURAL RESOURCES
GENEVA STATE PARK
SHORELINE RECONSTRUCTION
ASHTABULA COUNTY, OHIO

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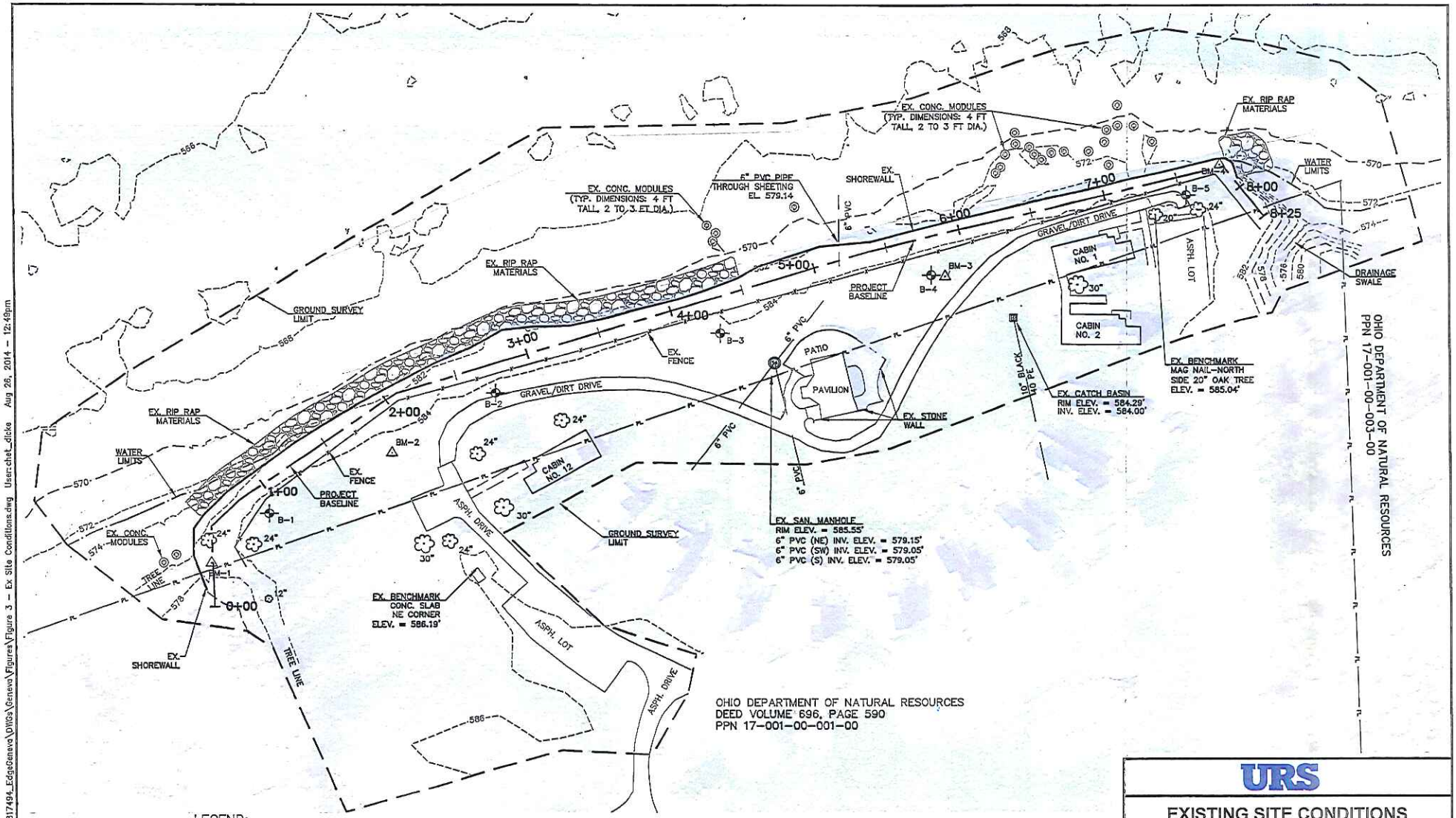

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SCALE: 1"=60'

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EXISTING SITE CONDITIONS

OHIO DEPARTMENT OF NATURAL RESOURCES
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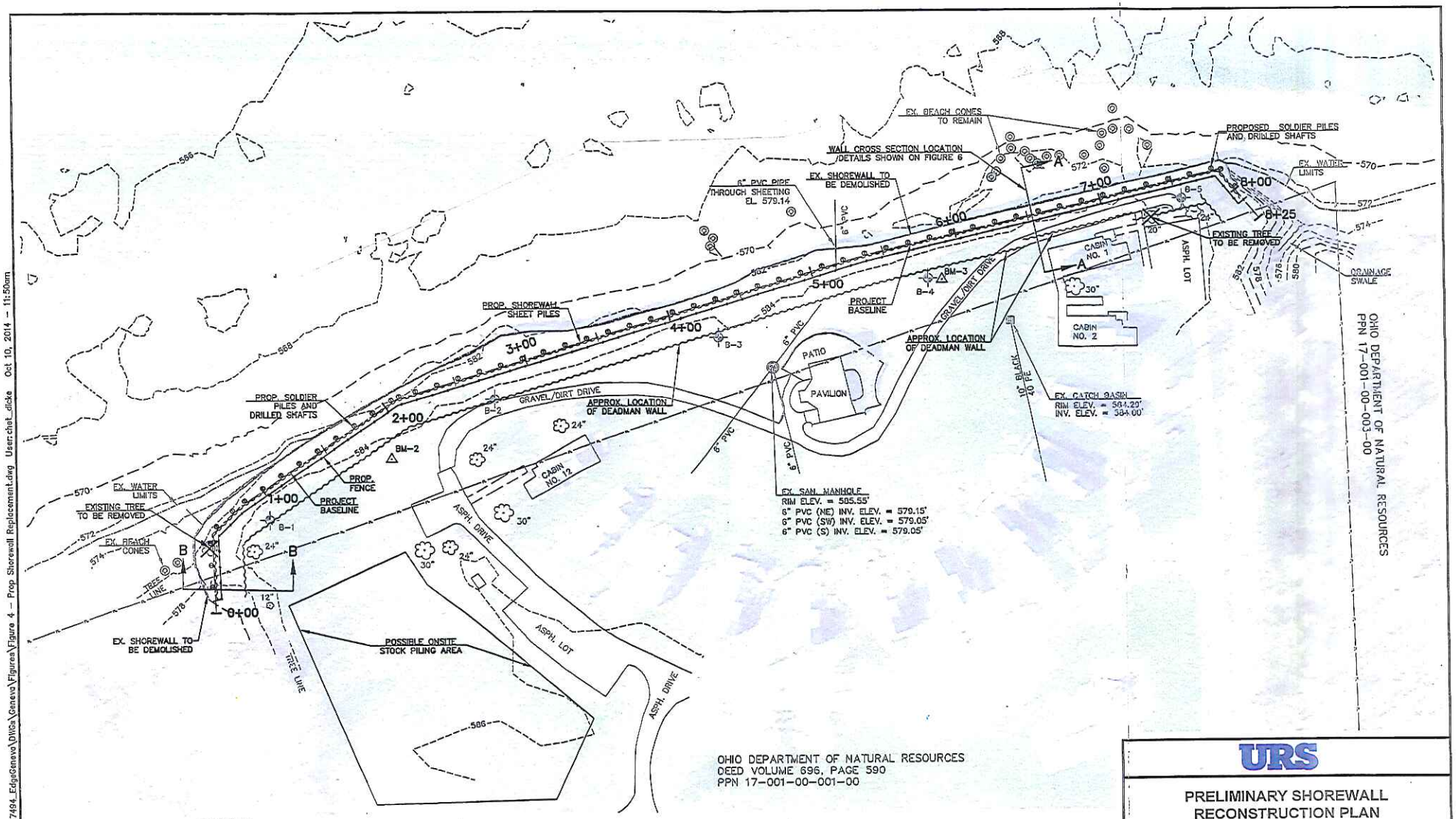

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	PROJECT BASELINE		BEACH CONE		
	PROP. PEDESTRIAN FENCE				

0 30 60
SCALE: 1"=60'

PRELIMINARY SHOREWALL RECONSTRUCTION PLAN

OHIO DEPARTMENT OF NATURAL RESOURCES

GENEVA STATE PARK
SHORELINE RECONSTRUCTION
ASHTABULA COUNTY, OHIO

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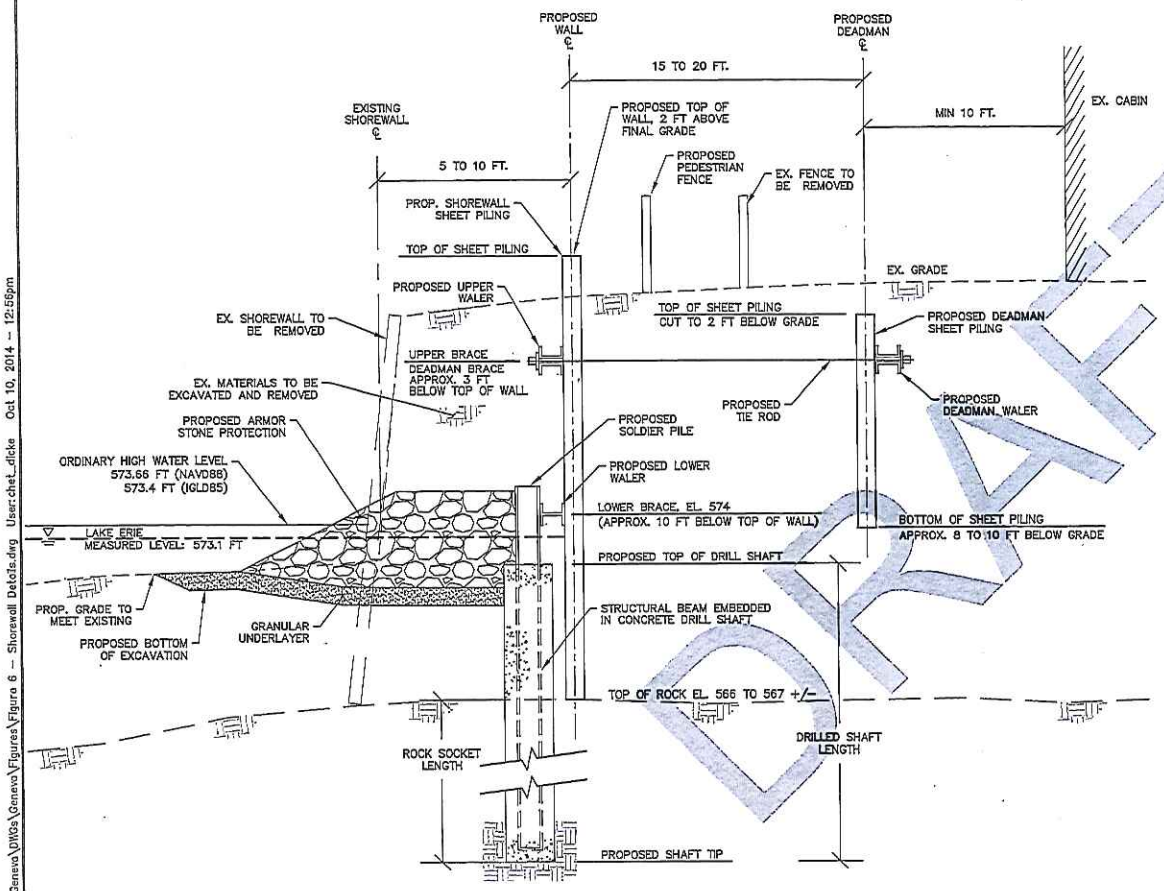
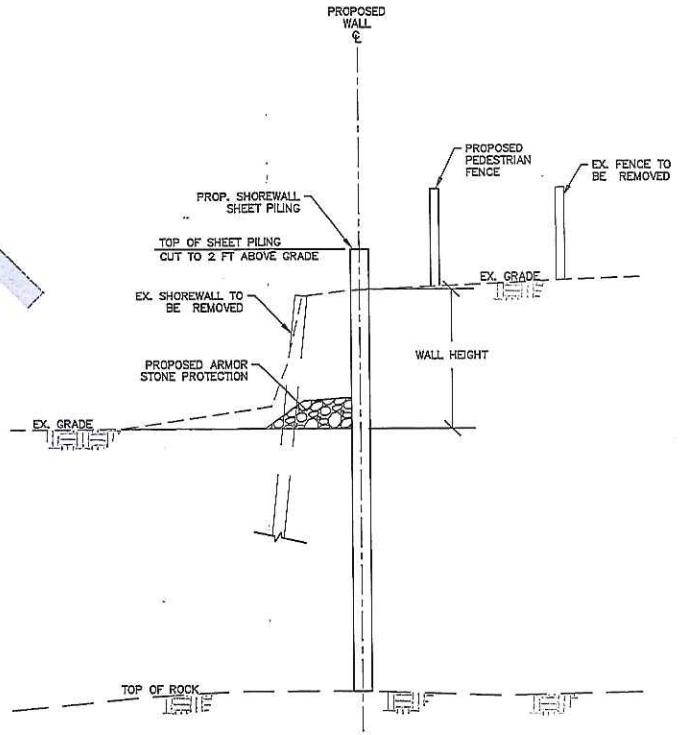


SECTION A – PROPOSED ANCHORED SHOREWALL
SCALE: NTS



SECTION B – PROPOSED CANTILEVER SHOREWALL
SCALE: NTS

DRAFT

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SHOREWALL DETAILS

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ASHTABULA COUNTY, OHIO

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