



Illinois
Department of
**Natural
Resources**

JB Pritzker, Governor • Natalie Phelps Finnie, Director
One Natural Resources Way • Springfield, Illinois 62702-1271

www.dnr.illinois.gov

Office of Water Resources, One Natural Resources Way, Springfield, Illinois 62702-1271

November 9, 2023

Roger Stelle
1215 Whitebridge Hill Road, LLC
500 Wall Street
Glencoe, IL 60091

Dear Mr. Stelle,

Enclosed is the Illinois Department of Natural Resources, Office of Water Resources (Department) Permit LM2023010 and the October 31, 2023, Illinois Environmental Protection Agency (IEPA) Final Determination Letter authorizing the construction of a shore protection system, steel pier and a boat launch, in Lake Michigan, at 1215 Whitebridge Hill Road, Winnetka, IL 60093.

If any changes in the location or plans of the work are found necessary, revised plans should be submitted promptly to the Department and IEPA so that approval is received prior to the initiation of work.

If you have any questions, please contact me at james.casey@illinois.gov.

Sincerely,

James P. Casey
Lake Michigan Management Section

Enclosures:

cc: Corps of Engineers (Soren Hall), w/enclosures
IEPA (Francisco Herrera), w/enclosures
Shabica & Associates (Jon Shabica), w/enclosures



PERMIT NO. LM2023010

DATE: November 1, 2023

**State of Illinois
Department of Natural Resources, Office of Water Resources
and
Illinois Environmental Protection Agency**

Permission is hereby granted to: **1215 Whitebridge Hill Road, LLC
500 Wall Street
Glencoe, IL 60091**

The construction of a shore protection system, a steel pier and boat launch, in Lake Michigan, at 1215 Whitebridge Hill Road, Winnetka IL 60093. The project is located in the Southwest Quarter of Section 8, Township 42 North, Range 13 East of the 3rd principal meridian, in Cook County.

In accordance with an application dated **July 31, 2023**, and the plans and specifications entitled:

LOCATION MAP, ONE SHEET, UNDATED, RECEIVED AUGUST 1, 2023.

PLAN VIEW, ONE SHEET, DATED JULY 27, 2023, RECEIVED AUGUST 1, 2023.

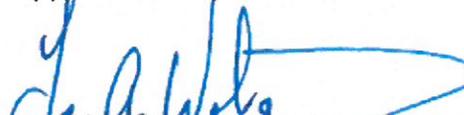
1215 WHITEBRIDGE, WINNETKA; SECTION DRAWINGS, ONE SHEET, DATED JULY 17, 2023; BOAT LAUNCH, ONE SHEET, DATED JULY 27, 2023; BOTH SHEETS RECEIVED AUGUST 1, 2023.

SAND PLANVIEW, ONE SHEET, DATED JULY 27, 2023, RECEIVED AUGUST 1, 2023.

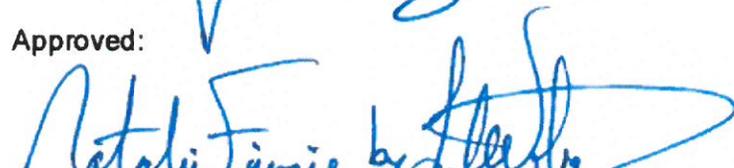
Examined and Recommended:

Approval Recommended:


Steve Altman, Manager
Division of Resource Management


Loren Wobig, Director
Office of Water Resources

Approved:


Natalie Phelps Finnie, Director
Department of Natural Resources

This PERMIT is subject to the terms and special conditions contained herein and in the attached NOTICE OF FINAL DETERMINATION of the Illinois Environmental Protection Agency. This PERMIT is not valid unless a NOTICE OF FINAL DETERMINATION of the Illinois Environmental Protection Agency as required by Section 39(a) of the Environmental Protection Act is attached.

THIS PERMIT IS SUBJECT TO THE FOLLOWING CONDITIONS:

- 1) This permit is granted in accordance with the Rivers, Lakes and Streams Act, "615 ILCS 5," and the Environmental Protection Act "415 ILCS 5/1."
- 2) This permit does not convey title to the permittee or recognize title of the permittee to any submerged or other lands, and furthermore, does not convey, lease or provide any right or rights of occupancy or use of the public or private property on which the activity or any part thereof will be located, or otherwise grant to the permittee any right or interest in or to the property, whether the property is owned or possessed by the State of Illinois or by any private or public party or parties.
- 3) This permit does not release the permittee from liability for damage to persons or property resulting from the work covered by this permit and does not authorize any injury to private property or invasion of private rights.
- 4) This permit does not relieve the permittee of the responsibility to obtain other federal, state or local authorizations required for the construction of the permitted activity; and if the permittee is required by law to obtain approvals from any federal or other state agency to do the work, this permit is not effective until the federal and state approvals are obtained. If construction does not begin within two years of the date of this permit, the permittee must submit the project to EcoCat (<http://dnr.illinois.gov/EcoPublic/>) for an updated consultation under the Illinois Endangered Species Protection Act and the Illinois Natural Areas Preservation Act.
- 5) The permittee shall, at the permittee's own expense, remove all temporary piling, cofferdams, false work, and material incidental to the construction of the project from Lake Michigan. If the permittee fails to remove such structures or materials, the Department may have removal made at the expense of the permittee.
- 6) In public waters, if future need for public navigation or other public interest by the state or federal government necessitates changes in any part of the structure or structures, such changes shall be made by and at the expense of the permittee or the permittee's successors as required by the Department or other properly constituted agency, within sixty (60) days from receipt of written notice of the necessity from the Department or other agency, unless a longer period of time is specifically authorized.
- 7) The execution and details of the work authorized shall be subject to the review and approval of the Department and/or the Agency. Department and Agency personnel shall have the right of access to accomplish this purpose.
- 8) Starting work on the activity authorized will be considered full acceptance by the permittee of the terms and conditions of the permit.
- 9) The Department and Agency in issuing this permit have relied upon the statements and representations made by the permittee; if any substantive statement or representation made by the permittee is found to be false, this permit will be revoked and when revoked, all rights of the permittee under the permit are voided.
- 10) The permittee and the permittee's successors shall make no claim whatsoever to any interest in any accretions caused by the activity.
- 11) In issuing this permit, the Department and Agency do not ensure the adequacy of the design or structural strength of the structure or improvement.
- 12) Noncompliance with the conditions of this permit will be considered grounds for revocation.
- 13) If the construction activity here permitted is not completed on or before **December 31, 2026**, this permit shall cease and be null and void. When all work is constructed, the permittee shall notify the Department so that a final inspection can be completed.

THIS PERMIT IS SUBJECT TO THE FOLLOWING SPECIAL CONDITIONS:

- A. Any artificially created beach area is considered to be public property and the owner of the upland property may not do anything to impair or prohibit lawful public use of such created beach area. See the above referenced Permit Condition No. 2.
- B. Place at least 750 tons of clean beach nourishment as pre-mitigational fill.
- C. The proposed project is also subject to the conditions referenced in the Illinois Environmental Protection Agency's Final Determination Letter dated October 31, 2023.
- D. Contact the Department at (312) 814-6264 when construction is completed so that a final inspection can be scheduled.
- E. Complete a pre-construction hydrographic (i.e. water depth and location) survey immediately prior to the beginning of construction.
- F. Complete a post-construction hydrographic survey (this should include the permitted structures) within one month of the completion of construction. Upon completion of the post-construction survey, the applicant should submit both the pre and post-construction survey data to the Department. The presentation should include a direct comparison of pre and post-construction profiles.
- G. Complete a second post-construction hydrographic survey approximately one year after the date of the first post-construction survey. Upon completion of the second post-construction survey, the applicant should submit that survey, along with an updated comparison of all survey profiles (pre, and two post) to the Department.
- H. Complete a third post-construction hydrographic survey approximately five years after the date of the first post-construction survey. Upon completion of the third post-construction survey, the applicant should submit that survey, along with an updated comparison of all survey profiles (pre and three post) to the Department.
- I. Hydrographic surveys should be performed by a licensed surveyor with experience working in coastal environments.
- J. Surveys should be performed only when wave conditions are less than one foot. Flat calm conditions are preferred.
- K. Surveys should begin at the Ordinary High Water Mark (581.5 ft. IGLD-85), and proceed 300 ft. lakeward of the lakeward end of the proposed project.
- L. For shoreline properties with less than 100 lineal feet of shoreline, the survey line spacing should not exceed 25 ft. For shoreline properties with more than 100 lineal feet of shoreline, the survey line spacing should not exceed 50 ft. A minimum of three survey lines is required, regardless of the length of the property.
- M. Survey cross-sections should have a graphic vertical scale of 1 in. = 5 ft. and a graphic horizontal scale of 1 in. = 50 ft.
- N. Survey lines should be parallel and their orientation should be perpendicular to the general trend of the shoreline.
- O. Survey should be submitted using IGLD-85 as the datum and may be referenced to the Low Water Datum (577.50 IGLD-85).
- P. If either the second or third post-construction surveys indicate that the project appears to be trapping littoral drift sand, the Department will determine, what additional action, if any, may be required. This could include a requirement to undertake additional surveys.



ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

1021 NORTH GRAND AVENUE EAST, P.O. BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276 • (217) 782-3397

JB PRITZKER, GOVERNOR

JOHN J. KIM, DIRECTOR

OCT 31 2023

Illinois Department of Natural Resources/Office of Water Resources
Lake Michigan Management Section
Michael A. Bilandic Building
160 N. LaSalle Street, Suite S-703
Chicago, IL 60601

Re: Roger T Stelle - Breakwater - Protected Beach Pier and Boat Launch Ramp (Cook County)
IEPA Log Nos. 2023-68832 and C-0166-23
Bureau of Water ID #: W0970800042
Final Determination #: 2023-LM-68832

Dear Sir or Madam:

This Agency received a request on Monday, July 31, 2023, from Roger T Stelle requesting necessary comments concerning the proposed construction of a quarry stone breakwater, shoreline revetment, and boat launch ramp with beach sand fill at the Lake Michigan shoreline of 1215 Whitebridge Hill Road in Winnetka.

Based on the information included in this submittal, it is our engineering judgement that the proposed project may be completed without causing water pollution as defined in the Illinois Environmental Protection Act, provided the project complies with the fourteen (14) general conditions set forth in the Agency's CWA Section 401 water quality certification issued on September 29, 2020 for the U.S. Army Corps of Engineers' Lake Michigan Regional General Permit found at: <https://www.lrc.usace.army.mil/Missions/Regulatory/Illinois/Lake-Michigan-Regional-General-Permit/>.

This final determination is directed at the effect on water quality of the construction procedures involved in the above-described project and are not an approval of any discharge resulting from the completed facility, nor an approval of the design of the facility. This final determination does not supplant any permit responsibilities of the applicant toward the Agency.

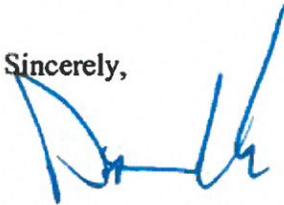
This final determination becomes effective when the Illinois Department of Natural Resources, Office of Water Resources, includes the above referenced (14) general conditions for the Army Corps of Engineers' Lake Michigan Regional General Permit as conditions of the requested permit issued pursuant to Section 39 of the Illinois Environmental Protection Act (415 ILCS 5/39) and Section 18 of the Rivers, Lakes, and Streams Act (615 ILCS 5/18).

This final determination does not grant immunity from any enforcement action found necessary by this Agency to meet its responsibilities in prevention, abatement, and control of water pollution.

Lake Michigan Final Determination
IEPA Log no.: C-0166-23
Page 2 of 2

If you have any questions about this final determination, please contact Darren Gove or my staff at either 217/782-3362 or Darren.Gove@illinois.gov.

Sincerely,



Darin E. LeCrone, P.E.
Manager, Permit Section
Division of Water Pollution Control
Illinois Environmental Protection Agency

CC: Applicant
Consultant
FOS
BOW_File

PLAN VIEW OVER BATHYMETRY

LAKE MICHIGAN

WATER LEVEL = 579.7+/-
(5-3-23) IGLD85

BATHYMETRIC SURVEY

1215 WHITE BRIDGE HILL ROAD
WINNETKA, ILLINOIS



STATE OF ILLINOIS
COUNTY OF LAKE SS

I, Vydas Z. Rekasius, an Illinois Professional Land Surveyor, do hereby certify that I have surveyed the property described above and that the plot shown hereon is a correct representation of said survey.

DATED THIS 27th DAY OF MAY, A.D. 2023.

BY:

Illinois Professional Land Surveyor No. 3210
License Renewal Date 11/30/2024
DESIGN FIRM NO. 184-004538 RENEWAL DATE 4/30/2025

THIS IS NOT A BOUNDARY SURVEY.
BOUNDARY INFORMATION SHOWN IS BASED
UPON SURVEY AS PROVIDED BY CLIENT.

GRAPHIC SCALE



(IN FEET)
1 inch = 30 ft.

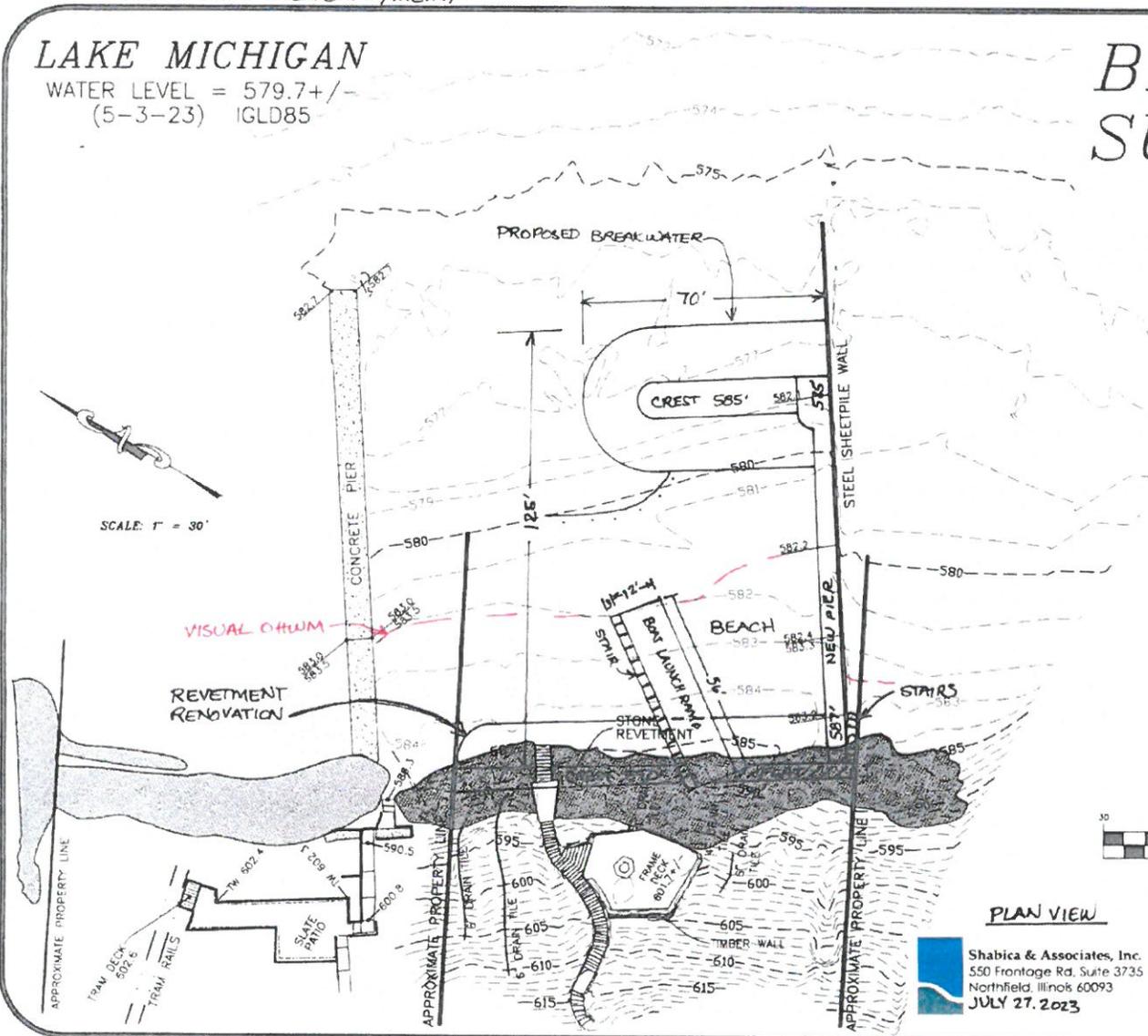
PLAN VIEW

Shabica & Associates, Inc.
550 Frontage Rd, Suite 3735
Northfield, Illinois 60093
JULY 27, 2023

TERRA TECHNOLOGY
LAND SURVEYING, INC.

24198 ROSE AVE. LAKE ZURICH, ILLINOIS 60047
PHONE: (847) 540-8606 E-MAIL: TTS.1@SBCGLOBAL.NET

JOB NO.: 23-0013 SURVEY DATE: 5/3/2023
DRAWING FILE: DATA/23/0013/SITE.DWG



SCALE: 1" = 30'

APPROXIMATE PROPERTY LINE

APPROXIMATE PROPERTY LINE

APPROXIMATE PROPERTY LINE

REVESTMENT RENOVATION

VISUAL CHUM

PROPOSED BREAKWATER

CREST 585'

STEEL SHEETPILE WALL

NEW PIER

BOAT LANDING RAMP

STONE REVESTMENT

FRAME

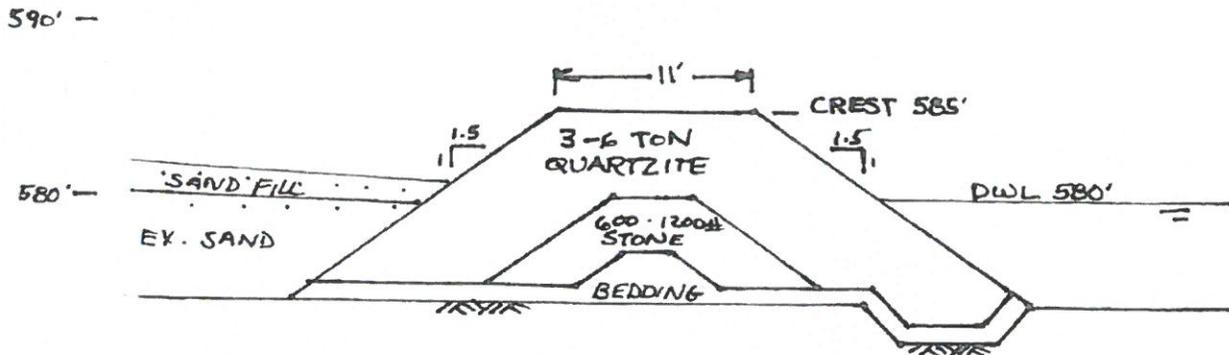
80' x 60'

TIMBER WALL

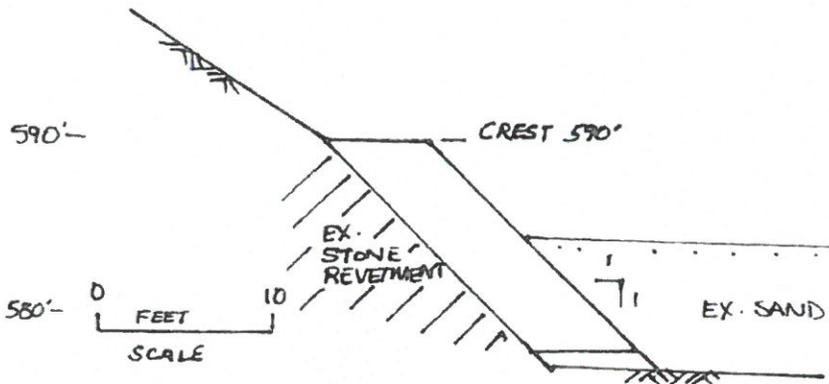
6' DRAIN TILE

6' DRAIN

BREAKWATER CROSS SECTION - TYPICAL

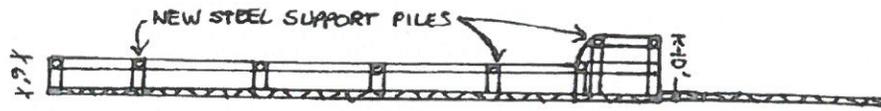


REVETMENT CROSS SECTION - TYPICAL

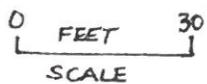
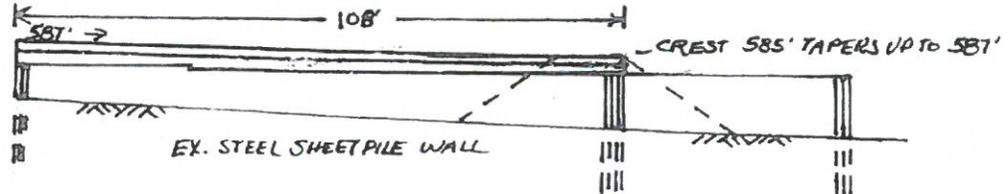


PIER DETAILS

PLAN VIEW



CROSS SECTION

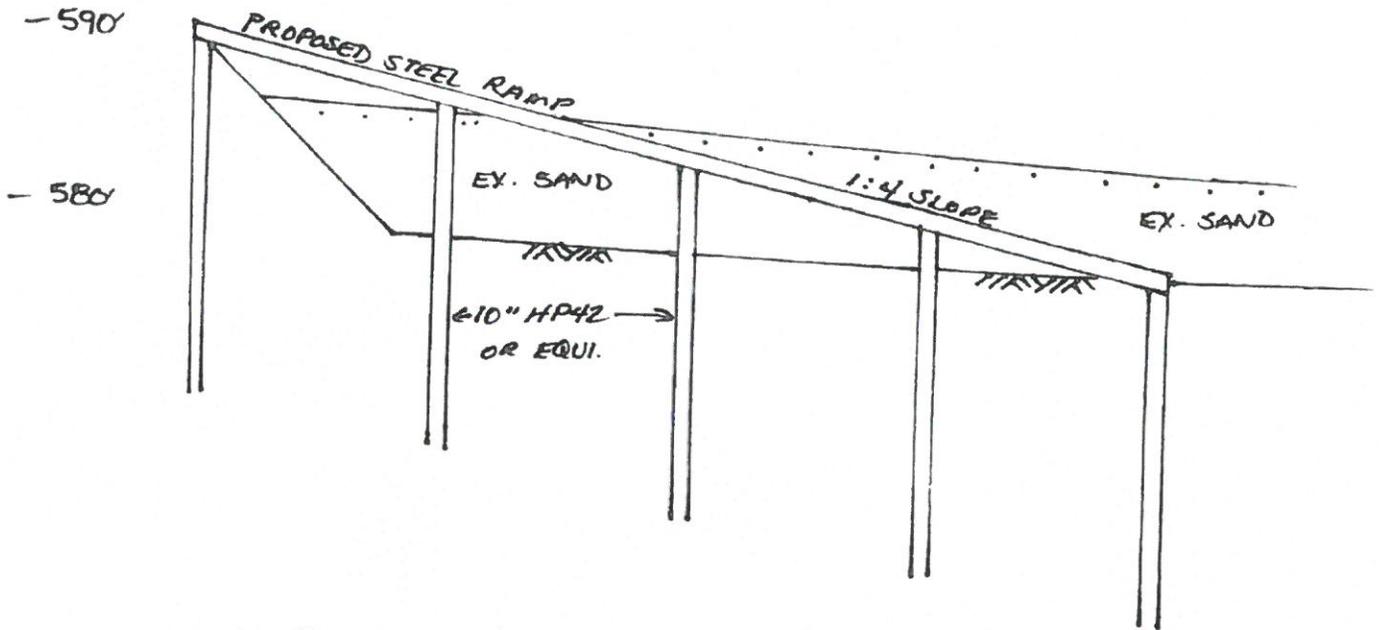


SECTION DRAWINGS

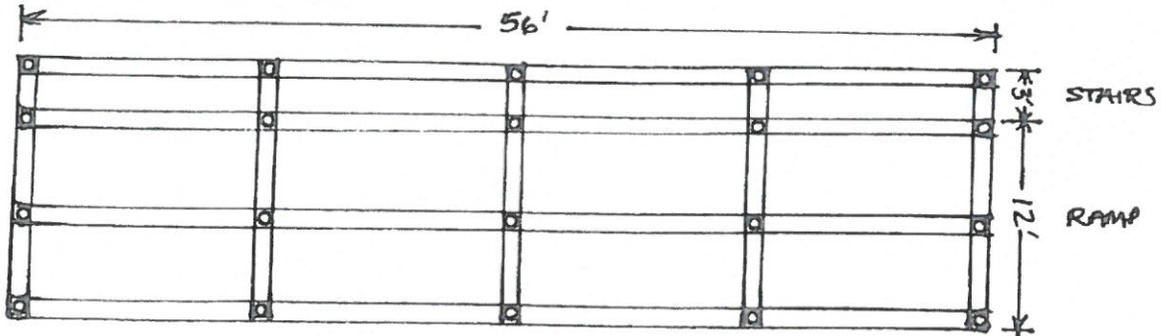
DATUM: IGLD 1985

BOAT LAUNCH RAMP

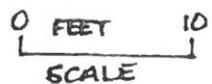
CROSS SECTION



STEEL FRAMING PLAN



10" HP42
RAMP GRATING WILL BE STEEL WITH 1" X 3" OPENINGS



DATUM : 1GLD 1985

1215 WHITE BRIDGE, WINNETKA
Shabica & Associates, Inc.
550 Frontage Rd, Suite 3735
Northfield, Illinois 60093
JULY 27, 2023

SAND PLAN VIEW OVER BATHYMETRY & CALCULATIONS

LAKE MICHIGAN

WATER LEVEL = 579.7+/-
(5-3-23) IGLD85

BATHYMETRIC SURVEY

1215 WHITE BRIDGE HILL ROAD
WINNETKA, ILLINOIS



STATE OF ILLINOIS
COUNTY OF LAKE 55

I, Vydas Z. Rekasius, an Illinois Professional Land Surveyor, do hereby certify that I have surveyed the property described above and that the plot shown hereon is a correct representation of said survey.

DATED THIS 27th DAY OF MAY, A.D. 2023.

BY:

Illinois Professional Land Surveyor No. 3210
License Renewal Date 11/30/2024
DESIGN FIRM NO. 184-004538 RENEWAL DATE 4/30/2025

THIS IS NOT A BOUNDARY SURVEY.
BOUNDARY INFORMATION SHOWN IS BASED
UPON SURVEY AS PROVIDED BY CLIENT.

GRAPHIC SCALE



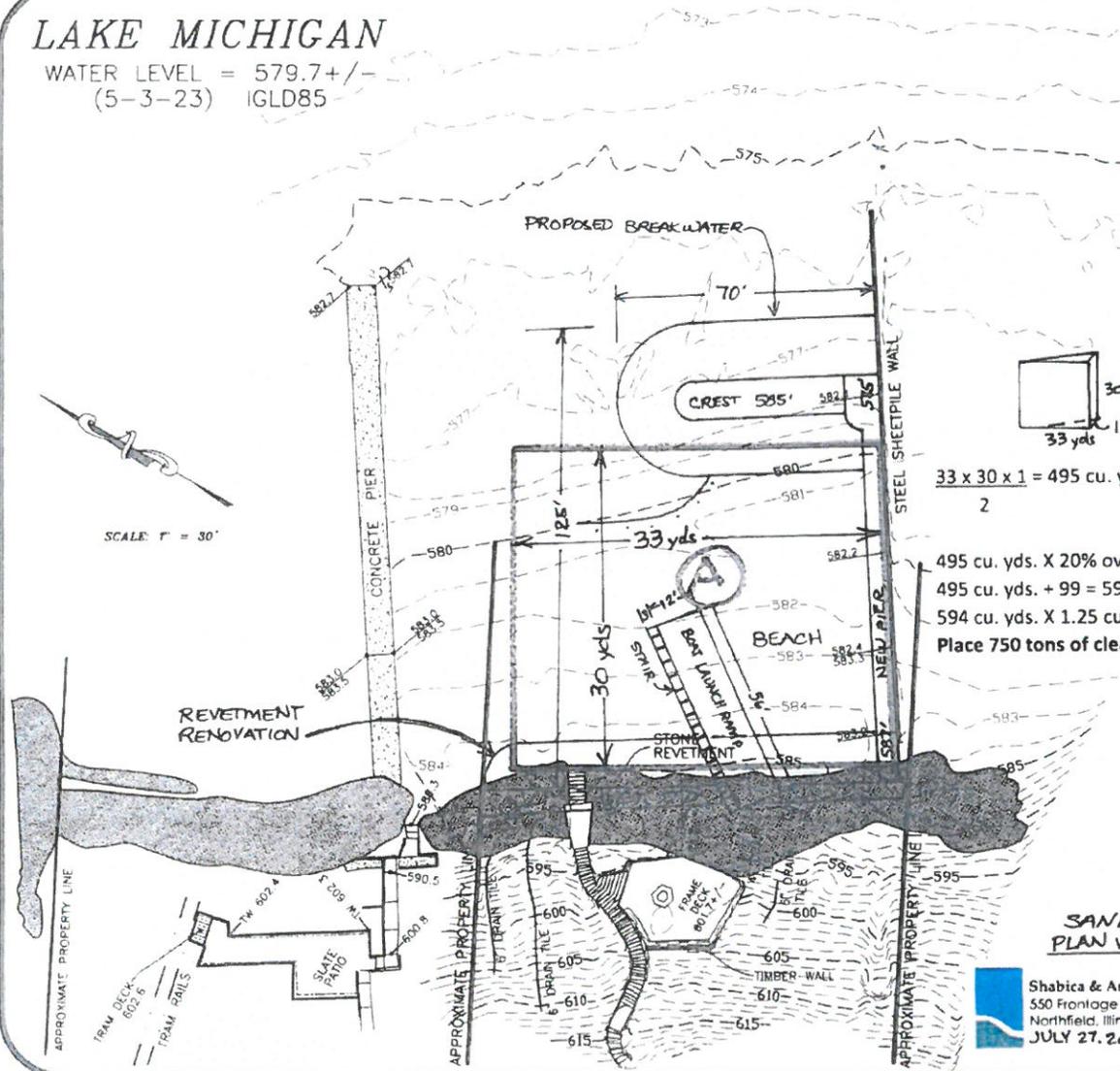
(IN FEET)
1 inch = 30 ft

SAND PLAN VIEW

Shabica & Associates, Inc.
550 Frontage Rd. Suite 3735
Northfield, Illinois 60093
JULY 27, 2023

TERRA TECHNOLOGY
LAND SURVEYING, INC.

24198 ROSE AVE. LAKE ZURICH, ILLINOIS 60047
PHONE: (847) 540-8606 E-MAIL: TTS1@STBCGLOBAL.NET
JOB NO.: 23-0013 SURVEY DATE: 5/3/2023
DRAWING FILE: DATA/23/0013/SITE.DWG





Illinois
Department of
**Natural
Resources**

JB Pritzker, Governor • Natalie Phelps Finnie, Director
One Natural Resources Way • Springfield, Illinois 62702-1271

www.dnr.illinois.gov

Office of Water Resources, Michael A. Bilandic Building, 160 N. LaSalle St., S-703, Chicago, IL 60601

December 19, 2025

Roger Stelle
1215 Whitebridge Hill Road, LLC
500 Wall Street
Glencoe, IL 60091

RE: Proposed revision of IDNR/OWR permit LM2023010

Dear Mr. Stelle,

Thank you for the letter and the accompanying plans, received on October 28, 2025, and submitted on your behalf by Shabica & Associates, Inc., requesting a revision to the work authorized by IDNR/OWR Permit No. LM2023010. According to the letter, 1215 Whitebridge Hill Road, LLC wishes to revise the permit to remove the boat launch ramp from the application, add an upflow basin with riprap, change the pier surface to precast concrete, and add a rope railing to the pier. The Department has reviewed the request and by this letter has granted that request. This determination is based on the drawing entitled:

1215 WHITEBRIDGE HILL RD. – WINNETKA, IL; GENERAL LAYOUT, SHEET C-3; GRADING AND UTILITY PLAN, SHEET C-4; DETAILS, SHEET C-9; ALL SHEETS DATED MAY 8, 2025; ALL SHEETS LATEST REVISION OCTOBER 17, 2025; ALL SHEETS RECEIVED OCTOBER 28, 2025.

PARK RESIDENCE, 1215 WHITEBRIDGE HILL ROAD WINNETKA, IL, HANDRAIL SHOP DRAWING, SHEET NUMBER 6, SHEET DATED MAY 16, 2025, SHEET RECEIVED OCTOBER 28, 2025.

Enclosed is the December 4, 2025, Illinois Environmental Protection Agency (IEPA) supplemental Final Determination Letter authorizing the revision to the work. This supplemental Letter supercedes and replaces the previously issued Final Determination Letter dated October 31, 2023.

This work is subject to all the terms and special conditions of IDNR/OWR Permit No. LM2023010. This revision does not exempt you from obtaining any other required federal, state, or local permits.

RECOMMENDED:



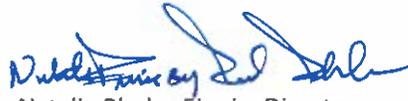
Eric L. Otto, Senior Water Resources Engineer
Division of Resource Management

APPROVAL RECOMMENDED:



Rick Pohlman, Acting Director
Office of Water Resources

APPROVED:



Natalie Phelps Finnie, Director
Department of Natural Resources

cc: Corps of Engineers (Soren Hall) w/enclosures
IEPA (Oscar Zavala) w/enclosures
Shabica & Associates, Inc. (Jon Shabica, Stefanie Nagelbach, Pam Kamin)



Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield, Illinois • 62794-9276 • 217-782-3397

JB Pritzker, Governor

James Jennings, Acting Director

Illinois Department of Natural Resources/Office of Water Resources
Lake Michigan Management Section
Michael A. Bilandic Building
160 N. LaSalle Street, Suite S-703
Chicago, IL 60601

DEC 04 2025

Re: Roger T Stelle – Breakwater – Protected Beach Pier and Boat Launch Ramp (Cook County)
IEPA Log Nos. 2025-73323 and C-0166-23
Bureau of Water ID #: W0970800042
Final Determination #: 2023-LM-68832-1

Dear Sir or Madam:

This Agency has reviewed the request received on October 24, 2025, concerning the referenced project at 1215 Whitebridge Hill Road, Winnetka, IL, and the proposed revisions as depicted and described in the following documentation:

“71005 - 25-10-17- 1215 WHITEBRIDGE HILL RD 18page- CIVIL SET-R2-reduced.pdf”, “71005 - 1215 WHITEBRIDGE HILL RD - REVISED SIGNED PLAT OF SURVEY-05-21-25-24X36.pdf”, “CA_1215 Whitebridge Pier_AMD_05162025.pdf”, “DW_1215 Whitebridge Pier_Stamped_05162025.pdf”, “Plan Review Response 3 - 1215 Whitebridge.pdf”, and “PRL#3 1215 WHITEBRIDGE HILL.pdf” received on October 24, 2025, “2025.10.28 SA Modification Request to IDNR.pdf” received on October 28, 2025, and “IEPA Response.pdf” received on November 7, 2025.

We offer the following comments in response to the request to modify that permit.

The proposed revisions are hereby approved. This supplemental permit supersedes and replaces the previously issued Final Determination number 2023-LM-68832 dated October 31, 2023, which was previously issued for the herein permitted facilities.

Based on the submitted information referenced above, it is our engineering judgment that the proposed project may be completed without causing water pollution as defined in the Illinois Environmental Protection Act, provided the project is carefully planned and supervised.

These comments are directed at the effect on water quality of the construction procedures involved in the above-described project and are not an approval of any discharge resulting from the completed facility, nor an approval of the design of the facility. These comments do not supplant any permit responsibilities of the applicant toward the Agency.

This Agency hereby issues final determination under Section 39 of the Illinois Environmental Protection Act, subject to the applicant's compliance with the following conditions:



1. The applicant shall not cause:
 - a. violation of applicable water quality standards of the Illinois Pollution Control Board, Title 35, Subtitle C: Water Pollution Rules and Regulations;
 - b. water pollution defined and prohibited by the Illinois Environmental Protection Act;
 - c. interference with water use practices near public recreation areas or water supply intakes; or
 - d. violation of applicable provisions of the Illinois Environmental Protection Act.
2. The applicant shall provide adequate planning and supervision during the project construction period for implementing construction methods, processes and cleanup procedures necessary to prevent water pollution and control erosion.
3. The proposed work shall be constructed with adequate erosion control measures (i.e., silt fences, straw bales, etc.) to prevent transport of sediment and materials into Lake Michigan.
4. Asphalt, bituminous material and concrete with protruding material such as reinforcing bar or mesh shall not be 1) used for backfill, 2) placed on shorelines/streambanks, or 3) placed in waters of the State.
5. The applicant shall implement erosion control measures consistent with the "Illinois Urban Manual" <http://www.aiswcd.org/illinois-urban-manual/>.
6. All areas affected by construction shall be mulched and seeded as soon after construction as possible. The applicant shall undertake necessary measures and procedures to reduce erosion during construction. Interim measures to prevent erosion during construction shall be taken and may include the installation of staked straw bales, sedimentation basins and temporary mulching. All construction within the waterway shall be constructed during zero or low flow conditions. The applicant shall be responsible for obtaining an NPDES Storm Water Permit prior to initiating construction if the construction activity associated with the project will result in the disturbance of 1 (one) or more acres, total land area. An NPDES Storm Water Permit may be obtained by submitting a properly completed Notice of Intent (NOI) form by certified mail to the Agency's Division of Water Pollution Control, Permit Section.
7. Any spoil material excavated, dredged or otherwise produced must not be returned to the waterway but must be deposited in a self-contained area in compliance with all state statutes, regulations and permit requirements with no discharge to waters of the State unless a permit has been issued by this Agency. Any backfilling must be done with clean material and placed in a manner to prevent violation of applicable water quality standards.
8. The fill material used in Lake Michigan shall be predominantly sand or larger size material, with <20% passing a #230 U.S. sieve.
9. This final determination does not cover material originating from Lake Michigan to be used as fill material.
10. This final determination is not a water quality certification pursuant to Section 401 of the federal Clean Water Act.

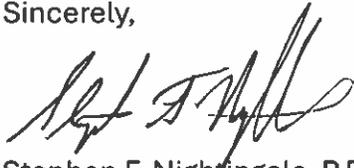
This final determination becomes effective when the Illinois Department of Natural Resources, Office of Water Resources, includes the above conditions #1 through #10 as conditions of the requested permit issued pursuant to Section 39 of the Illinois

Environmental Protection Act (415 ILCS 5/39) and Section 18 of the Rivers, Lakes and Streams Act (615 ILCS 5/18).

The final determination does not grant immunity from any enforcement action found necessary by this Agency to meet its responsibilities in prevention, abatement, and control of water pollution.

If you have any questions about this final determination, please contact Oscar Zavala of my staff at either 217/785-7492 or Oscar.Zavala@illinois.gov.

Sincerely,



Stephen F. Nightingale, P.E.
Manager, Industrial Unit, Permit Section
Division of Water Pollution Control

cc: Applicant
Consultant
FOS
BOW File



Illinois
Department of
**Natural
Resources**

JB Pritzker, Governor • Natalie Phelps Finnie, Director
One Natural Resources Way • Springfield, Illinois 62702-1271

www.dnr.illinois.gov

Office of Water Resources, Michael A. Bilandic Building, 160 N. LaSalle St., S-703, Chicago, IL 60601

January 23, 2026

Roger Stelle
1215 Whitebridge Hill Road, LLC
500 Wall Street
Glencoe, IL 60091

RE: Proposed revision of IDNR/OWR permit LM2023010

Dear Mr. Stelle,

Thank you for the email and the accompanying plans, received on January 5, 2026, and submitted on your behalf by Shabica & Associates, Inc., requesting a revision to the work authorized by IDNR/OWR Permit No. LM2023010. According to the email, 1215 Whitebridge Hill Road, LLC wishes to revise the location of the steel stairs. The Department has reviewed the request and by this letter has granted that request. This determination is based on the drawing entitled:

1215 WHITEBRIDGE HILL RD. – WINNETKA, IL; GENERAL LAYOUT, SHEET C-3; GRADING AND UTILITY PLAN, SHEET C-4; ALL SHEETS DATED MAY 8, 2025; ALL SHEETS LATEST REVISION DECEMBER 30, 2025; ALL SHEETS RECEIVED JANUARY 5, 2026.

Enclosed is the January 22, 2026, Illinois Environmental Protection Agency (IEPA) supplemental Final Determination Letter authorizing the revision to the work. This supplemental Letter supercedes and replaces the previously issued Final Determination Letter dated December 4, 2025.

This work is subject to all the terms and special conditions of IDNR/OWR Permit No. LM2023010. This revision does not exempt you from obtaining any other required federal, state, or local permits.

RECOMMENDED:

Eric L. Otto, Senior Water Resources Engineer
Division of Resource Management

APPROVAL RECOMMENDED:

Rick Pohlman, Acting Director
Office of Water Resources

APPROVED:

Natalie Phelps Finnie, Director
Department of Natural Resources

cc: Corps of Engineers (Soren Hall) w/enclosures
IEPA (Oscar Zavala) w/enclosures
Shabica & Associates, Inc. (Jon Shabica, Stefanie Nagelbach, Pam Kamin)



Illinois Environmental Protection Agency

2520 West Iles Avenue • P.O. Box 19276 • Springfield, Illinois • 62794-9276 • 217-782-3397

JB Pritzker, Governor

James Jennings, Acting Director

JAN 22 2026

Illinois Department of Natural Resources/Office of Water Resources
Lake Michigan Management Section
Michael A. Bilandic Building
160 N. LaSalle Street, Suite S-703
Chicago, IL 60601

Re: Roger T Stelle – Breakwater – Protected Beach Pier and Boat Launch Ramp (Cook County)
IEPA Log Nos. 2026-73432 and C-0166-23
Bureau of Water ID #: W0970800042
Final Determination #: 2023-LM-68832-2

Dear Sir or Madam:

This Agency has reviewed the request received on December 19, 2025, concerning the referenced project at 1215 Whitebridge Hill Road, Winnetka, IL, and the proposed revisions as depicted and described in the following documentation:

"71005 - 25-10-17- 1215 WHITEBRIDGE HILL RD 18page- CIVIL SET-R2-reduced.pdf", "71005 - 1215 WHITEBRIDGE HILL RD - REVISED SIGNED PLAT OF SURVEY-05-21-25- 24X36.pdf", "CA_1215 Whitebridge Pier_AMD_05162025.pdf", "DW_1215 Whitebridge Pier_Stamped_05162025.pdf", "Plan Review Response 3 - 1215 Whitebridge.pdf", and "PRL#3 1215 WHITEBRIDGE HILL.pdf" received on October 24, 2025, "2025.10.28 SA Modification Request to IDNR.pdf" received on October 28, 2025, "IEPA Response.pdf" received on November 7, 2025, "2025.12.12 1215_PIER_STAIRS.pdf" received on December 19, 2025, "2025.12.17 1215 WHITEBRIDGE HILL RD 18PG CIVIL SET-R4-REDUCED.pdf" received on December 19, 2025, and "1215 Whitebridgr Civil Plan Set 1.5.26.pdf" received on January 5, 2026.

We offer the following comments in response to the request to modify that permit.

The proposed revisions are hereby approved. This supplemental permit supersedes and replaces the previously issued Final Determination number 2023-LM-68832-1 dated December 4, 2025, which was previously issued for the herein permitted facilities.

Based on the submitted information referenced above, it is our engineering judgment that the proposed project may be completed without causing water pollution as defined in the Illinois Environmental Protection Act, provided the project is carefully planned and supervised.

These comments are directed at the effect on water quality of the construction procedures involved in the above described project and are not an approval of any discharge resulting from the completed facility, nor an approval of the design of the facility. These comments do not supplant any permit responsibilities of the applicant toward the Agency.

This Agency hereby issues final determination under Section 39 of the Illinois Environmental Protection Act, subject to the applicant's compliance with the following conditions:

2125 S. First Street, Champaign, IL 61820 • 217-278-5800
1101 Eastport Plaza Dr., Suite 100, Collinsville, IL 62234 • 618-346-5120
595 S. State Street, Elgin, IL 60123 • 847-608-3131
412 SW Washington Street, Suite D, Peoria, IL 61602 • 309-671-3022

115 S. LaSalle Street, Suite 2203, Chicago, IL 60603
5911 Harrison Street, Des Plaines, IL 60016 • 847-294-4000
2309 W. Main Street, Suite 116, Marion, IL 62959 • 618-993-7200
4302 N. Main Street, Rockford, IL 61103 • 815-987-7760

Please print on recycled paper.

Modified Certification

IEPA Log no.: 2026-73432 and C-0166-23

Page 2 of 3

1. The applicant shall not cause:
 - a. violation of applicable water quality standards of the Illinois Pollution Control Board, Title 35, Subtitle C: Water Pollution Rules and Regulations;
 - b. water pollution defined and prohibited by the Illinois Environmental Protection Act;
 - c. interference with water use practices near public recreation areas or water supply intakes; or
 - d. violation of applicable provisions of the Illinois Environmental Protection Act.

2. The applicant shall provide adequate planning and supervision during the project construction period for implementing construction methods, processes and cleanup procedures necessary to prevent water pollution and control erosion.

3. The proposed work shall be constructed with adequate erosion control measures (i.e., silt fences, straw bales, etc.) to prevent transport of sediment and materials into Lake Michigan.

4. Asphalt, bituminous material and concrete with protruding material such as reinforcing bar or mesh shall not be 1) used for backfill, 2) placed on shorelines/streambanks, or 3) placed in waters of the State.

5. The applicant shall implement erosion control measures consistent with the "Illinois Urban Manual" <http://www.aismwd.org/illinois-urban-manual/>.

6. All areas affected by construction shall be mulched and seeded as soon after construction as possible. The applicant shall undertake necessary measures and procedures to reduce erosion during construction. Interim measures to prevent erosion during construction shall be taken and may include the installation of staked straw bales, sedimentation basins and temporary mulching. All construction within the waterway shall be constructed during zero or low flow conditions. The applicant shall be responsible for obtaining an NPDES Storm Water Permit prior to initiating construction if the construction activity associated with the project will result in the disturbance of 1 (one) or more acres, total land area. An NPDES Storm Water Permit may be obtained by submitting a properly completed Notice of Intent (NOI) form by certified mail to the Agency's Division of Water Pollution Control, Permit Section.

7. Any spoil material excavated, dredged or otherwise produced must not be returned to the waterway but must be deposited in a self-contained area in compliance with all state statutes, regulations and permit requirements with no discharge to waters of the State unless a permit has been issued by this Agency. Any backfilling must be done with clean material and placed in a manner to prevent violation of applicable water quality standards.

8. The fill material used in Lake Michigan shall be predominantly sand or larger size material, with <20% passing a #230 U.S. sieve.

9. This final determination does not cover material originating from Lake Michigan to be used as fill material.

Modified Certification

IEPA Log no.: 2026-73432 and C-0166-23

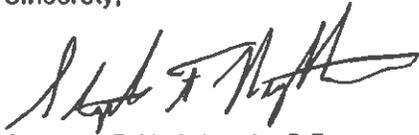
Page 3 of 3

This final determination becomes effective when the Illinois Department of Natural Resources, Office of Water Resources, includes the above conditions #1 through #9 as conditions of the requested permit issued pursuant to Section 39 of the Illinois Environmental Protection Act (415 ILCS 5/39) and Section 18 of the Rivers, Lakes and Streams Act (615 ILCS 5/18).

The final determination does not grant immunity from any enforcement action found necessary by this Agency to meet its responsibilities in prevention, abatement, and control of water pollution.

If you have any questions about this final determination, please contact Oscar Zavala of my staff at either 217/785-7492 or Oscar.Zavala@illinois.gov.

Sincerely,

A handwritten signature in black ink, appearing to read "Stephen F. Nightingale". The signature is fluid and cursive, with a large, sweeping flourish at the end.

Stephen F. Nightingale, P.E.
Manager, Industrial Unit, Permit Section
Division of Water Pollution Control

cc: Applicant
Consultant
FOS
BOW File

PROPOSED SITE IMPROVEMENTS FOR 1215 WHITEBRIDGE HILL ROAD

PART OF SECTION 8, T 42 N, R 13 E
VILLAGE OF WINNETKA
COOK COUNTY, ILLINOIS

**CALL
JULIE**
48 hours
BEFORE YOU DIG
1-800-892-0123
TOLL FREE
Operates 24 Hours
Every Day

INDEX OF SHEETS

LAST REV. DATE	
12-30-25	C-1. TITLE SHEET
05-08-25	C-2. EXISTING CONDITIONS
12-30-25	C-3. GENERAL LAYOUT
12-30-25	C-4. STORM SEWER AND GRADING PLAN
10-17-25	C-5. SOIL EROSION AND SEDIMENT CONTROL PLAN
05-08-25	C-6. SECTIONS WITH PLAN
05-08-25	C-7. SECTIONS
05-08-25	C-8. SECTIONS
11-21-25	C-9. DETAILS
05-08-25	S-1.0 FOUNDATION PLAN
05-08-25	S-2.1. FOUNDATION DETAILS
05-08-25	S-2.2. FOUNDATION DETAILS
05-08-25	LS-1.0 TREE SURVEY/PRESERVATION
05-08-25	LS-2.0 SITE ACCESS AND DEMOLITION PLAN
10-17-25	LS-3.0 LANDSCAPE SITE PLAN
10-17-25	LS-4.0 LANDSCAPE PLANTING
10-17-25	LS-5.0 LANDSCAPE DETAILS-SCHEDULES
10-17-25	LS-6.0 LANDSCAPE DETAILS-SCHEDULES

STANDARD SYMBOLS

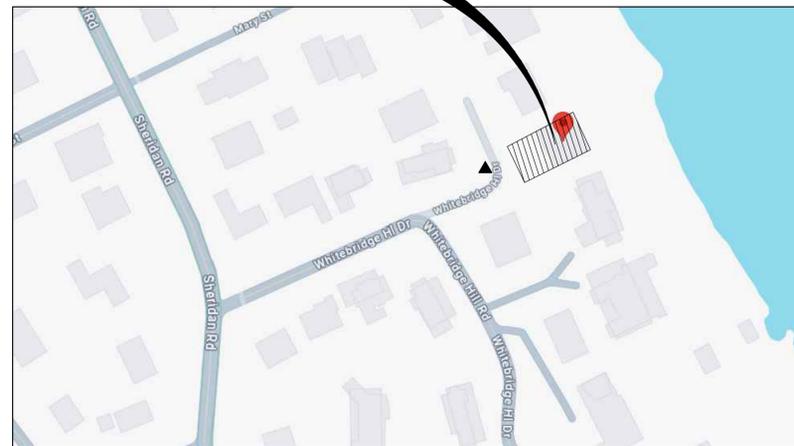
PROPOSED

-  SANITARY MANHOLE (M.H.)
-  STORM MANHOLE OR INLET MANHOLE (M.H. or I.M.H.)
-  CATCH BASIN (C.B.)
-  INLET (INL.)
-  VALVE & VAULT (V.V.)
-  VALVE & BOX (V.B.)
-  WATER SERVICE BOX
-  FIRE HYDRANT (HYD.)
-  HEADWALL OR FLARED END SECTION (F.E.S.)
-  DITCH
-  SWALE
-  8"SA SANITARY SEWER
-  12"ST STORM SEWER
-  6"W WATER MAIN
-  STREET LIGHT
-  SEE SHEET NUMBER

EXISTING

-  BENCHMARK
-  SANITARY MANHOLE (M.H.)
-  STORM MANHOLE OR INLET MANHOLE (M.H. or I.M.H.)
-  CATCH BASIN (C.B.)
-  INLET (INL.)
-  VALVE & VAULT (V.V.)
-  VALVE & BOX (V.B.)
-  WATER SERVICE BOX
-  FIRE HYDRANT (HYD.)
-  HEADWALL OR FLARED END SECTION (F.E.S.)
-  DITCH
-  SWALE
-  8"SA SANITARY SEWER
-  12"ST STORM SEWER
-  6"W WATER MAIN
-  STREET LIGHT

PROJECT LOCATION



LOCATION MAP

EXISTING UTILITIES:

WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE REPRESENTATIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.

BENCHMARK:

SOURCE BENCHMARK:
BASED ON NAVD 88 (GEOID 12B) AS REFERENCED FROM TRIMBLE REGIONAL VRSNow RTK-GNSS NETWORK

JOB BENCHMARK:

ARROW BOLT ON HYDRANT
ELEVATION=657.66 (NAVD 88)



Don R. Fielding P.E.
SIGNATURE
12-30-25
DATE
EXPIRES 11-30-27

GREENGARD, INC.
Engineers • Surveyors • Planners
111 Barclay Blvd., Suite 310, Lincolnshire, Illinois 60069-3623
PHONE: 847-634-3883 FAX: 847-634-0687
E-MAIL: 231@GREENGARDINC.COM ILL. REGISTRATION NO. 184-000995

SCALE: NONE
DRAWING No. 71005
SHEET C-1 of C-9

1215 WHITEBRIDGE HILL RD. - WINNETKA, IL

TITLE SHEET

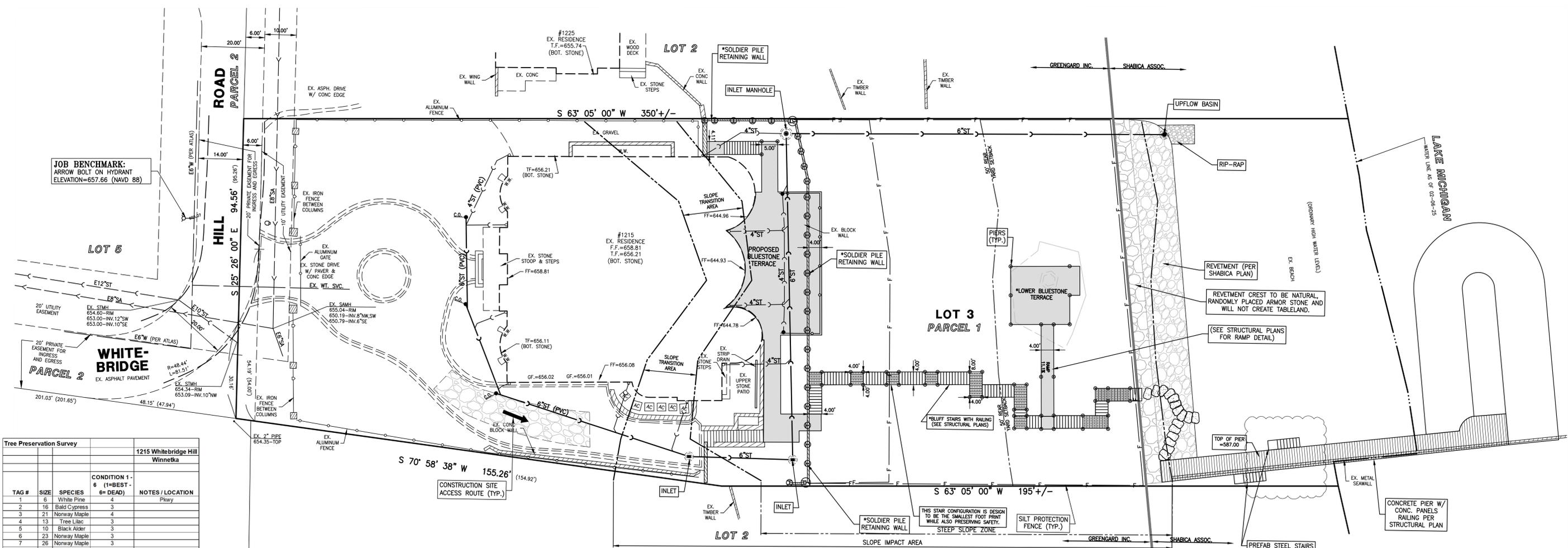
Drawing File: J:\2025\1215 Whitebridge Hill Road\Design\71005-SP-88.dwg Date: 2025-12-30am

SCALE IN FEET
SOLE PROPERTY OF GREENGARD, INC. AND NO REPRODUCTION OR USE, IN WHOLE OR PART WITHOUT WRITTEN PERMISSION OF GREENGARD, INC.

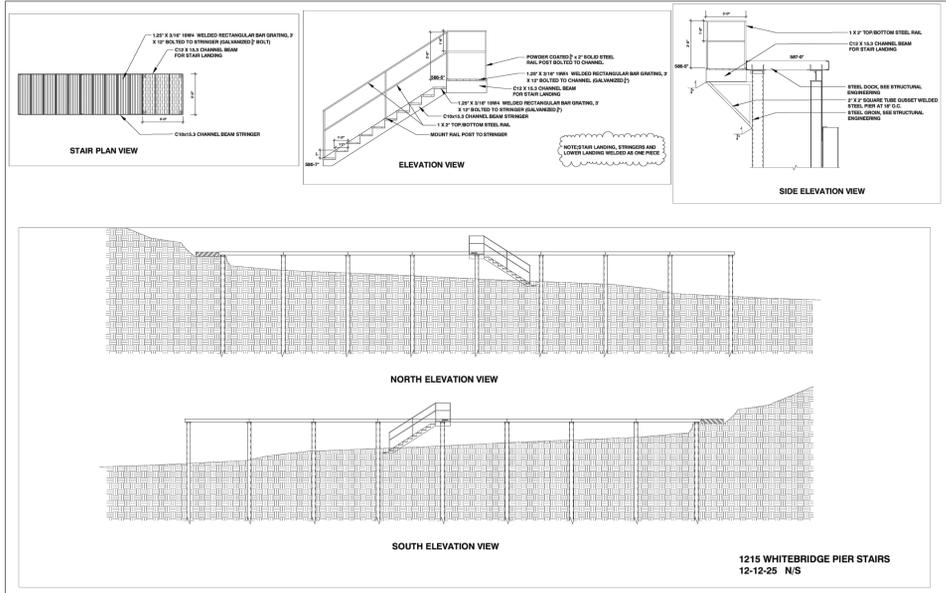
AT	DATE	REVISIONS
AT	12-17-25	ADD PIER STAIRS PER CLIENT
AT	11-21-25	REVISED UPFLOW BASIN
AT	10-17-25	REVISED PER VILLAGE REVIEW
AT	08-29-25	REVISED UPFLOW BASIN
AT	08-22-25	REVISED PER VILLAGE REVIEW

DESIGNED BY:	DATE:
AT	05-08-25
CHECKED BY:	DATE:
DRF	05-08-25
APPROVED BY:	DATE:
DRF	05-08-25

AT	DATE	REVISIONS
AT	12-30-25	REVISED PIER STAIRS



Tree Preservation Survey				1215 Whitebridge Hill Winnetka	
TAG #	SIZE	SPECIES	CONDITION 1-6 (1=BEST-6=DEAD)	NOTES / LOCATION	
1	6	White Pine	4		Pkwy
2	16	Bald Cypress	3		
3	21	Norway Maple	4		
4	13	Tree Lilac	3		
5	10	Black Alder	3		
6	23	Norway Maple	3		
7	26	Norway Maple	3		
8	13	Norway Maple	4		
9					
10	16	Norway Maple	4		
11	14	Norway Maple	4		
12	14	Norway Maple	4		
13	18	Norway Maple	4		
14	13	Norway Maple	4		
15	11	Norway Maple	4		
16	13	Norway Maple	3		
17	10	Elm	3		
18	12	Norway Maple	3		
19	8	American Elm	3		
20	13	Norway Maple	3		
21	11	Norway Maple	3		
22	13	Norway Maple	4		
23	14	Norway Maple	4		
24	8	Norway Maple	3		
25	10	Norway Maple	4		
26	14	Norway Maple	4		
27	17	Black Locust	4		
28	12	Norway Maple	3		
29	12	Norway Maple	3		
30	19	Black Locust	3		
31	8	Norway Maple	3		
32	9	Norway Maple	4		
33	11	Norway Maple	4		
34	8	Norway Maple	4		
35	13	Norway Maple	4		
36	10	Norway Maple	4		
37	7	Norway Maple	4		
38	6	Norway Maple	4		
39	14	Norway Maple	4		
40	10	Norway Maple	4		
41	13	Black Locust	3		
42	14	Norway Maple	4		
43	13	Norway Maple	3		
44	16	Norway Maple	4		
45	13	Magnolia	3		
46	6	White Pine	3		
47	16	Norway Maple	4		
48	14	Norway Maple	3		
49	16	Tree Lilac	3		



*NOTE: SEE LANDSCAPING AND STRUCTURAL DRAWINGS.

EXISTING		LEGEND		PROPOSED	
---	104	---	CONTOUR	---	102
x	105.08	○	SPOT ELEVATION	x	104.00
○	10'	○	DECIDUOUS TREE W/DIA.		
○	12"	○	CONIFEROUS TREE W/DIA.		
○		○	SANITARY MANHOLE		
○		○	STORM MANHOLE		
○		○	CATCH BASIN		
○		○	INLET		
○		○	WATER SERVICE BOX		
○		○	VALVE & VAULT		
○		○	FIRE HYDRANT		
○		○	UTILITY POLE		
○		○	LIGHT STANDARD		
○		○	STORM CULVERT		
○		○	SANITARY SEWER		
○		○	STORM SEWER		
○		○	WATER MAIN		
○		○	DITCH		
○		○	SWALE		
○		○	DIRECTION SURFACE DRAINAGE		
○		○	SUMMIT		
○		○	DOWNSPOUT		
○		○	OVERHEAD WIRES		
○		○	TREE PROTECTION FENCE		
○		○	SILT PROTECTION FENCE		
○		○	6' HIGH CHAIN LINK FENCE		

SCALE IN FEET: 0 15 30 45 60

SCALE: 1"=15'

DESIGNED BY: AT DATE: 05-08-25

CHECKED BY: DRF DATE: 05-08-25

APPROVED BY: DRF DATE: 05-08-25

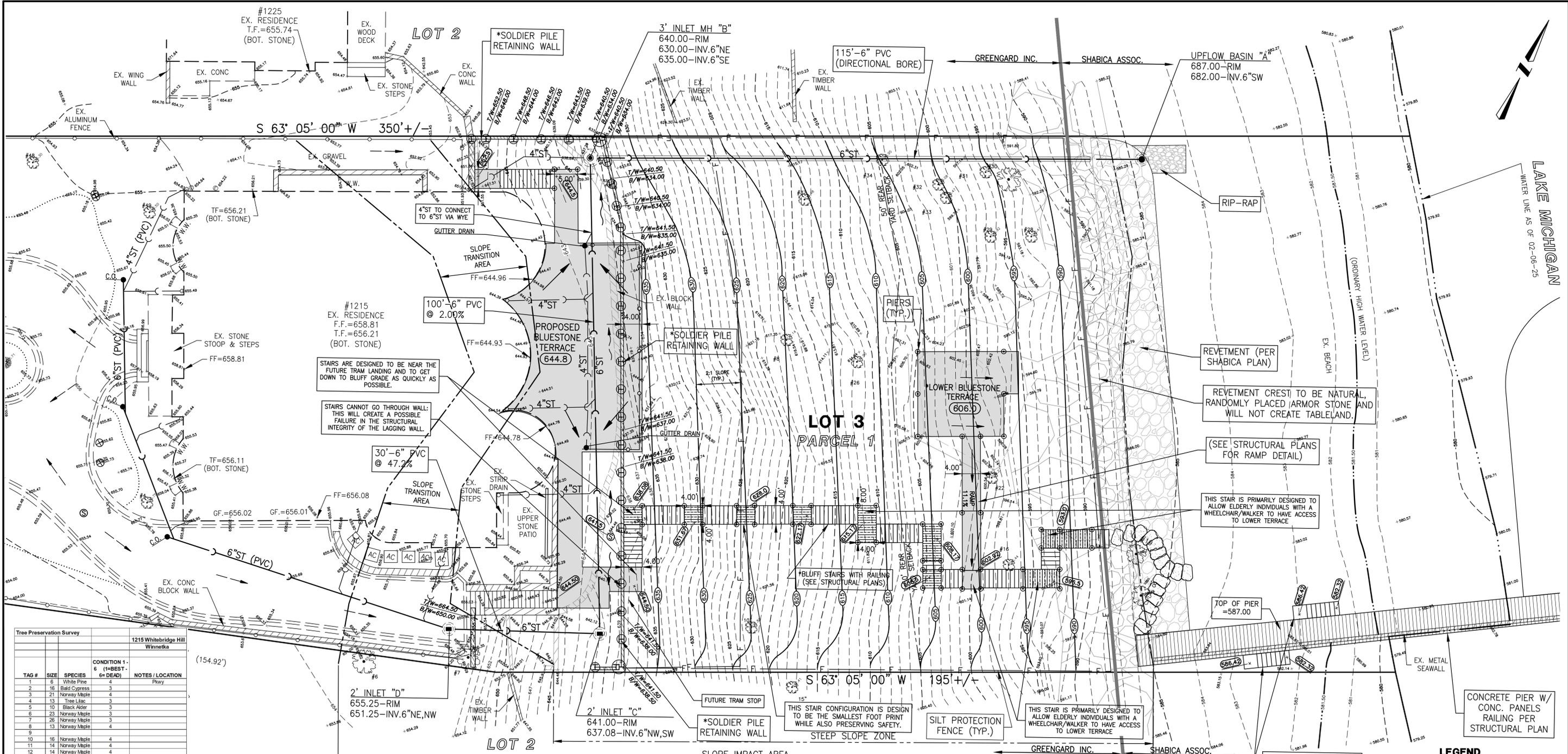
GREENGARD, INC. Engineers • Surveyors • Planners
111 Barclay Blvd., Suite 310, Lincolnshire, Illinois 60069-3623
PHONE: 847-634-3883 FAX: 847-634-0687 E-MAIL: 231@GREENGARDINC.COM ILL. REGISTRATION NO. 184-000995

1215 WHITEBRIDGE HILL RD. - WINNETKA, IL

71005

C-3 of C-9

GENERAL LAYOUT

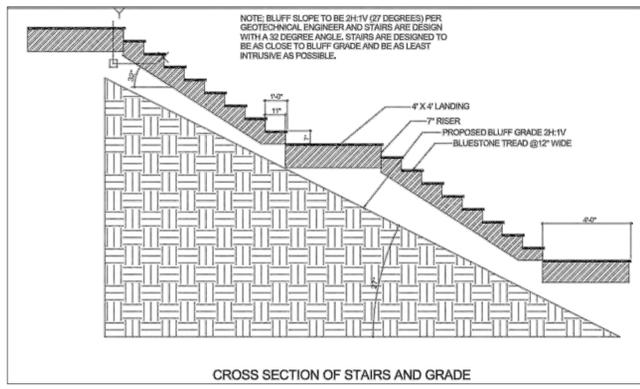


Tree Preservation Survey			
1215 Whitebridge Hill Winnetka			
TAG #	SIZE	SPECIES	CONDITION 1-6 (1=BEST-6=DEAD)
1	6	White Pine	4
2	16	Bald Cypress	3
3	21	Norway Maple	4
4	13	Tree Lilac	3
5	10	Black Alder	3
6	23	Norway Maple	3
7	26	Norway Maple	3
8	13	Norway Maple	4
9			
10	16	Norway Maple	4
11	14	Norway Maple	4
12	14	Norway Maple	4
13	18	Norway Maple	4
14	13	Norway Maple	4
15	11	Norway Maple	4
16	13	Norway Maple	3
17	10	Elm	3
18	12	Norway Maple	3
19	8	American Elm	3
20	13	Norway Maple	3
21	11	Norway Maple	3
22	13	Norway Maple	4
23	14	Norway Maple	4
24	8	Norway Maple	3
25	10	Norway Maple	4
26	14	Norway Maple	4
27	17	Black Locust	4
28	12	Norway Maple	3
29	12	Norway Maple	3
30	19	Black Locust	3
31	8	Norway Maple	3
32	9	Norway Maple	4
33	11	Norway Maple	4
34	8	Norway Maple	4
35	13	Norway Maple	4
36	10	Norway Maple	4
37	7	Norway Maple	3
38	6	Norway Maple	4
39	14	Norway Maple	4
40	10	Norway Maple	4
41	13	Black Locust	3
42	14	Norway Maple	4
43	13	Norway Maple	3
44	16	Norway Maple	4
45	13	Magnolia	3
46	6	White Pine	3
47	16	Norway Maple	4
48	14	Norway Maple	3
49	16	Tree Lilac	3

IMPERVIOUS COVERAGE TABLE	
LOT AREA (BASED ON 581.5 OHWM)	= 37,586 S.F.
INGRESS EASEMENT AREA	= 570 S.F.
WHITEBRIDGE HILL RD.	= 381 S.F.
EXISTING IMPERVIOUS LOT COVERAGE AREA	
HOUSE/W.W.	= 5,737 S.F.
DRIVE	= 3,889 S.F.
STOOPS/WALKS/PADS	= 257 S.F.
PATIO/DECK	= 2,342 S.F.
WALLS/STAIRS	= 1,224 S.F.
TOTAL EXISTING	= 13,449 S.F.
PROPOSED IMPERVIOUS LOT COVERAGE AREA	
HOUSE/W.W.	= 5,737 S.F.
DRIVE	= 3,889 S.F.
STOOPS/WALKS/PADS	= 257 S.F.
PATIO/DECK	= 1,975 S.F.
WALLS/STAIRS/RAMP	= 1,213 S.F.
TRAM STATION	= 116 S.F.
TOTAL PROPOSED	= 13,187 S.F.

NOTE: AN AS BUILT TOPOGRAPHIC SURVEY (TOPOGRAPHIC SURVEY AFTER ALL CONSTRUCTION GRADING AND LANDSCAPING IS COMPLETED) WILL BE REQUIRED TO VERIFY COMPLIANCE WITH GRADING AND DRAINAGE AND FLOODPLAIN REQUIREMENTS, PRIOR TO FINAL INSPECTION APPROVAL. IF THERE ARE ANY GRADING/DRAINAGE DISPUTES OR DISAGREEMENTS, THE VILLAGE OF WINNETKA RESERVES THE RIGHT TO REQUIRE ADDITIONAL INFORMATION, INCLUDING A NEW STORM SEWER CONNECTION TO THE PUBLIC STORM SEWER, AND/OR ADDITIONAL INLETS OR DRAINAGE SWALES.

NOTE: BOTH THE GEOTECHNICAL AND STRUCTURAL ENGINEERS WILL NEED TO CERTIFY THAT THE RETAINING WALLS AND SLOPE ARE WILL BE STABLE AND REASONABLY SAFE FROM FAILURE, AS PART OF THE AS-BUILT SUBMITTAL. ALL CERTIFICATIONS MUST BE SIGNED, SEALED AND DATED (DATE OF SIGNATURE AND DATE OF LICENSE EXPIRATION).



LEGEND	
— 104 —	EXISTING CONTOUR
— 102 —	PROPOSED CONTOUR
105.08	SPOT ELEVATION
10'	DECIDUOUS TREE W/DIA.
12'	CONIFEROUS TREE W/DIA.
⊙	SANITARY MANHOLE
⊙	STORM MANHOLE
⊙	CATCH BASIN
⊙	INLET
⊙	WATER SERVICE BOX
⊙	VALVE & VAULT
⊙	FIRE HYDRANT
⊙	UTILITY POLE
⊙	LIGHT STANDARD
⊙	STORM CULVERT
⊙	SANITARY SEWER
⊙	STORM SEWER
⊙	WATER MAIN
⊙	DITCH
⊙	SWALE
⊙	DIRECTION SURFACE DRAINAGE
⊙	SUMMIT
⊙	DOWNSPOUT
⊙	OVERHEAD WIRES
⊙	TREE PROTECTION FENCE
⊙	SILT PROTECTION FENCE
⊙	6\"/>

WASTE MANAGEMENT:
NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN APPROVED CONTAINERS. NO WASTES SHALL BE PLACED IN ANY LOCATION OTHER THAN IN THE APPROVED CONTAINERS APPROPRIATE FOR THE MATERIALS BEING DISCARDED. THERE SHALL BE NO LIQUID WASTES DEPOSITED INTO DUMPSTERS OR OTHER CONTAINERS WHICH MAY LEAK. RECEIPTS WITH DEFICIENCIES SHALL BE REPLACED AS SOON AS POSSIBLE AND APPROPRIATE CLEANUP PROCEDURES SHALL TAKE PLACE, IF NECESSARY. CONSTRUCTION WASTE MATERIAL IS NOT TO BE BURIED ON-SITE. WASTE DISPOSAL SHALL COMPLY WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS. ON-SITE HAZARDOUS MATERIAL STORAGE SHALL BE MINIMIZED AND STORED IN LABELED, SEPARATE RECEIPTS FROM NON-HAZARDOUS WASTE. ALL HAZARDOUS WASTE SHALL BE DISPOSED OF IN THE MANNER SPECIFIED BY LOCAL OR STATE REGULATION OR BY THE MANUFACTURER.

DEWATERING OPERATIONS:
DURING DEWATERING/PUMPING OPERATIONS, ONLY UNCONTAMINATED WATER SHALL BE ALLOWED TO DISCHARGE TO PROTECTED NATURAL AREA WATERS OF THE STATE, OR TO A STORM SEWER SYSTEM (IN ACCORDANCE WITH LOCAL PERMITS). INLET HOSES SHALL BE PLACED IN A STABILIZED SUMP PIT OR FLOATED AT THE SURFACE OF THE WATER IN ORDER TO LIMIT THE AMOUNT OF SEDIMENT INTAKE. PUMPING OPERATIONS SHALL BE DISCHARGED TO A STABILIZED AREA THAT CONSISTS OF AN EROSION DISSIPATING DEVICE (I.E. STONE, SEDIMENT FILTER BAG, OR BOTH). WHEN NECESSARY, STABILIZED CONCRETE CHANNELS SHALL BE INSTALLED TO DIRECT WATER TO THE DESIRED LOCATION. ADDITIONAL BAGS MAY BE REQUIRED AT THE OUTLET AREA AS REQUESTED BY THE MUNICIPALITY, OR OTHER RECEIVING AGENCY.

DUST CONTROL:
A WATER TRUCK MAY BE NECESSARY ON-SITE TO LIMIT THE AMOUNT OF DUST LEAVING THE SITE. THE FOLLOWING LIST OF CONTROL MEASURES MAY BE IMPLEMENTED ON-SITE TO LIMIT THE GENERATION OF DUST AS NEEDED:
1. SPRINKLING/IRRIGATION 2. VEGETATIVE COVER 3. MULCH 4. SPRAY ON SOIL TREATMENTS 5. TILLAGE & STONE.

OFFSITE VEHICLE TRACKING:
STABILIZED CONSTRUCTION ENTRANCE(S) SHALL BE INSTALLED TO HELP REDUCE VEHICLE TRACKING OF SEDIMENTS. ADJACENT ROADWAYS SHALL BE SWEEP AS NEEDED, TO REDUCE EXCESS SEDIMENT, DIRT, OR STONE TRACKED FROM THE SITE. ACCUMULATED SEDIMENT AND STONE SHALL BE REMOVED FROM THE STABILIZED ENTRANCE AS NEEDED. VEHICLES HAULING ERODIBLE MATERIAL TO AND FROM THE CONSTRUCTION SITE SHALL BE COVERED WITH A TAUP.

SPILL PREVENTION:
DISCHARGES OF A HAZARDOUS SUBSTANCE OR OIL CAUSED BY A SPILL (E.G., A SPILL OF OIL INTO A SEPARATE STORM SEWER OR WATERS OF THE STATE) ARE NOT AUTHORIZED BY THIS PERMIT. IF A SPILL OCCURS, NOTIFY THE OWNER IMMEDIATELY. THE CONSTRUCTION SITE SHALL HAVE THE CAPACITY TO CONTROL, CONTAIN, AND REMOVE SPILLS IF THEY OCCUR. SPILLS SHALL BE CLEANED IMMEDIATELY AFTER DISCOVERY IN ACCORDANCE WITH MSDS AND NOT BURIED ON-SITE OR WASHED INTO STORM DRAINS OR WATERS OF THE STATE.

MAINTENANCE:
THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT SHALL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATION CONDITIONS, VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN AND STANDARD SPECIFICATIONS.

— STABILIZED CONSTRUCTION ENTRANCE: THE ENTRANCES SHALL BE MAINTAINED TO PREVENT TRACKING OF SEDIMENT ON TO PUBLIC STREETS. MAINTENANCE INCLUDES TOP DRESSING WITH ADDITIONAL STONE AND REMOVING TOP LAYERS OF STONES AND SEDIMENT. THE SEDIMENT RUN-OFF ONTO THE PUBLIC RIGHT OF WAY SHALL BE REMOVED IMMEDIATELY.

— RIPRAP OUTLET PROTECTION: RIPRAP SHALL BE INSPECTED FOR ANY SCOUR BENEATH THE RIPRAP OR FOR STONES THAT HAVE BEEN DISLODGED. SEDIMENT ACCUMULATION IN THE OUTLET AREA SHALL BE REMOVED IMMEDIATELY.

— CONCRETE WASHOUT AREA: EXISTING FACILITIES SHALL BE CLEANED OUT, OR NEW FACILITIES SHALL BE CONSTRUCTED AND OPERATIONAL. ONE EXISTING WASHOUT IS 75% FULL. WASHOUTS SHALL BE INSPECTED FREQUENTLY TO ENSURE THAT PLASTIC LININGS ARE INTACT AND SEAMLESS HAVE NOT BEEN DAMAGED BY CONSTRUCTION ACTIVITIES. WHEN THE WASHOUT AREA IS ADJACENT TO A DRIVEWAY, THE PAVED ROAD SHALL BE INSPECTED FOR ACCUMULATED CONCRETE WASTE. ANY ACCUMULATED CONCRETE WASTE ON THE ROAD, CURB OR GUTTER SHALL BE REMOVED AND PROPERLY DISPOSED.

— SILT FENCE: SILT FENCES SHALL BE INSPECTED REGULARLY FOR UNDERCUTTING WHERE THE FENCE MEETS THE GROUND, OVERTOPPING, AND TEARS ALONG THE LENGTH OF THE FENCE. DEFICIENCIES SHALL BE REPAIRED IMMEDIATELY. REMOVE ACCUMULATED SEDIMENTS FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-HALF THE FENCE HEIGHT. DURING FINAL STABILIZATION, PROPERLY DISPOSE OF ANY SEDIMENT THAT HAS ACCUMULATED ON THE SILT FENCE. INSTANCES WHEN AREAS OF SILT FENCE CONTINUALLY FAIL. REPLACE SILT FENCE WITH ANCHORED BAG AS NEEDED.

— CATCH BASIN AND INLET FILTERS: INLET FILTERS SHALL BE INSPECTED FOR PROPER FILTERING. IF FILTER BAGS ARE USED, REMOVE SEDIMENT FROM THE FILTER BAGS WHEN 50% OF THE STORAGE VOLUME HAS BEEN FILLED, UNLESS OTHERWISE INSTRUCTED BY THE MANUFACTURER. REMOVE TRASH AND DEBRIS DURING INSPECTIONS. ACCUMULATED MATERIAL IN THE FILTERS SHALL BE DISPOSED PROPERLY. DO NOT PUNCTURE HOLES IN FILTERS IF PUNCHING OCCURS.

INSPECTIONS:
THE OWNER SHALL DESIGNATE QUALIFIED PERSONNEL TO BE RESPONSIBLE FOR SEDIMENT AND EROSION CONTROL OBSERVATION REPORTING. THIS QUALIFIED PERSONNEL SHALL MEET THE REQUIREMENTS NOTED IN THE LR10 PERMIT CONDITIONS AND LOCAL CODES. SITE OBSERVATIONS SHALL OCCUR AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.2 INCHES OR GREATER. SITE OBSERVATION REPORTS SHALL BE MAINTAINED ON-SITE AS PART OF THE SWPPP.

A. DISTURBED AREAS AND WATERS OF THE STATE THAT ARE EXPOSED TO PRECIPITATION SHALL BE CHECKED FOR EVIDENCE OF, OR POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. THE EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY HAVE BEEN INSTALLED AND ARE OPERATING CORRECTLY. WHERE DISCHARGE POINTS ARE ACCESSIBLE, THEY SHALL BE CHECKED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO THE RECEIVING WATERS OF THE STATE WHERE VEHICLES ENTER AND EXIT THE SITE. SEDIMENT TRACKING SHALL BE CHECKED FOR OFF-SITE SEDIMENT TRACKING. ALL PUMPING OPERATIONS AND ALL OTHER POTENTIAL NO-STORM WATER DISCHARGES SHALL BE OBSERVED.

B. BASED ON THE RESULTS OF THE SITE OBSERVATION, THE IDENTIFICATION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED, AND THE POLLUTION PREVENTION MEASURES DESCRIBED IN THIS PLAN SHALL BE REVISED AS APPROPRIATE, AS SOON AS PRACTICABLE AFTER THE OBSERVATION, THE MODIFICATIONS, IF ANY, SHALL PROVIDE FOR THE IMPLEMENTATION OF AN CHANGES TO THE PLAN WITHIN 7 CALENDAR DAYS FOLLOWING THE SITE OBSERVATION.

C. A REPORT SUMMARIZING THE OBSERVATION METHODS AND QUALIFICATIONS OF PERSONNEL MAKING THE OBSERVATION, THE DATES OF THE OBSERVATION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THE STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH PARAGRAPH B ABOVE SHALL BE MADE AND RETURNED AS PART OF THE STORM WATER POLLUTION PREVENTION PLAN FOR AT LEAST THREE YEARS FROM THE DATE OF FINAL STABILIZATION OF PERMIT COVERAGE IS TERMINATED. THE REPORT SHALL BE SIGNED BY THE OWNER AND THE ENGINEER.

D. THE OWNER SHALL NOTIFY THE APPROPRIATE AGENCY FIELD OPERATION SECTION OFFICE BY EMAIL AT EPA511NONCOMPLIANCE@ILLINOIS.GOV, TELEPHONE, OR FAX WITHIN 24 HOURS OF ANY INCIDENT OF NONCOMPLIANCE FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING A SITE OBSERVATION, OR FOR VIOLATIONS OF ANY CONDITION OF THE PERMIT. THE OWNER SHALL SUBMIT WITHIN 5 DAYS AN INCIDENT OF NONCOMPLIANCE REPORT FOR ANY VIOLATION OF THE STORM WATER POLLUTION PREVENTION PLAN OBSERVED DURING AN INSPECTION CONDUCTED. SUBMISSION SHALL BE ON FORMS PROVIDED BY THE AGENCY AND INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT, WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE.

E. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY AS DEFINED IN PART VI.G OF THE LR10 NPDES PERMIT.

F. ALL REPORTS OF NONCOMPLIANCE SHALL BE SUBMITTED TO THE FOLLOWING ADDRESS:
ILLINOIS ENVIRONMENTAL PROTECTION AGENCY - DIVISION OF WATER POLLUTION CONTROL - COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND AVENUE EAST, POST OFFICE BOX 19276, SPRINGFIELD, ILLINOIS 62794-9276

NON-STORM WATER DISCHARGES:
EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT MAY BE COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE ACTIVITY ADDRESSED IN THIS PLAN, ARE LISTED IN ITEMS 1-5:

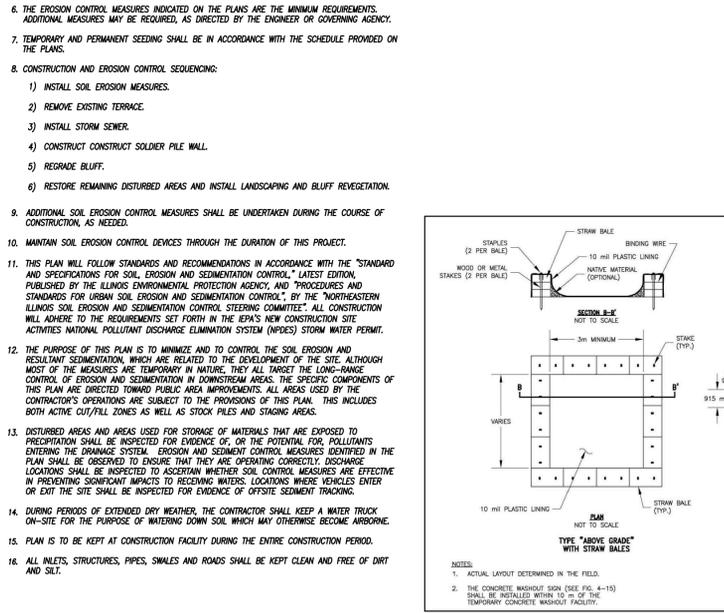
1. WATER MAIN FLUSHING
2. FIRE HYDRANT FLUSHING
3. WATER FOR DUST CONTROL
4. IRRIGATION DRAINAGE FOR VEGETATIVE GROWTH FOR SEEDING, ETC.
5. UNCONTAMINATED GROUNDWATER

THE POLLUTION PREVENTION MEASURES, AS DESCRIBED IN ITEMS 1-3 WILL BE IMPLEMENTED FOR NON-STORM WATER COMPONENTS OF THE DISCHARGE:

1. THE FIRE HYDRANT AND WATER MAIN SHALL NOT BE FLUSHED DIRECTLY ON THE EXPOSED AREA OR SUBGRADE OF THE PAVEMENT.
2. HOSES SHALL BE USED TO DIRECT THE FLOW INTO A STABILIZED AREA.
3. THE EROSION DUE TO IRRIGATION OF SEEDING SHALL BE CONSIDERED MINOR.

NOTES:

1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
2. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF UPLAND DISTURBANCE.
3. TEMPORARY SOIL STABILIZATION SHALL BE APPLIED TO DISTURBED AREAS WITHIN SEVEN (7) CALENDAR DAYS OF THE END OF ACTIVE HYDROLOGIC DISTURBANCE. PERMANENT STABILIZATION SHALL BE DONE WITHIN FOURTEEN (14) DAYS AFTER COMPLETION OF FINAL GRADING OF THE SOIL.
4. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN THIRTY (30) DAYS AFTER FINAL SITE STABILIZATION. TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS SHALL BE PERMANENTLY STABILIZED.
5. ALL TEMPORARY AND PERMANENT EROSION CONTROL MEASURES MUST BE MAINTAINED AND REPAIRED AS NEEDED. THE GENERAL CONTRACTOR WILL BE RESPONSIBLE FOR INSPECTION AND REPAIR DURING CONSTRUCTION. THE OWNER WILL BE RESPONSIBLE IF EROSION CONTROL IS REQUIRED AFTER THE CONTRACTOR HAS COMPLETED THE PROJECT.
6. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
7. TEMPORARY AND PERMANENT SEEDING SHALL BE IN ACCORDANCE WITH THE SCHEDULE PROVIDED ON THE PLANS.
8. CONSTRUCTION AND EROSION CONTROL SEQUENCING:
 - 1) INSTALL SOIL EROSION MEASURES.
 - 2) REMOVE EXISTING TERRACE.
 - 3) INSTALL STORM SEWER.
 - 4) CONSTRUCT CONSTRUCT SOLDIER PILE WALL.
 - 5) REGRADE BLUFF.
 - 6) RESTORE REMAINING DISTURBED AREAS AND INSTALL LANDSCAPING AND BLUFF REVEGETATION.
9. ADDITIONAL SOIL EROSION CONTROL MEASURES SHALL BE UNDERTAKEN DURING THE COURSE OF CONSTRUCTION, AS NEEDED.
10. MAINTAIN SOIL EROSION CONTROL DEVICES THROUGH THE DURATION OF THIS PROJECT.
11. THIS PLAN WILL FOLLOW STANDARDS AND RECOMMENDATIONS IN ACCORDANCE WITH THE "STANDARD AND SPECIFICATIONS FOR SOIL, EROSION AND SEDIMENTATION CONTROL," LATEST EDITION, PUBLISHED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, AND THE PROCEDURES AND STANDARDS FOR URBAN SOIL EROSION AND SEDIMENTATION CONTROL," BY THE "NORTHEASTERN ILLINOIS SOIL EROSION AND SEDIMENTATION CONTROL STEERING COMMITTEE." ALL CONSTRUCTION WILL ADHERE TO THE REQUIREMENTS SET FORTH IN THE ERM'S NEW CONSTRUCTION SITE ACTIVITIES NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT.
12. THE PURPOSE OF THIS PLAN IS TO MINIMIZE AND TO CONTROL THE SOIL EROSION AND RESILIENT SEDIMENTATION, WHICH ARE RELATED TO THE DEVELOPMENT OF THE SITE, ALTHOUGH MOST OF THE MEASURES ARE TEMPORARY IN NATURE, THEY ALL TARGET THE LONG-RANGE CONTROL OF EROSION AND SEDIMENTATION IN CONSTRUCTION AREAS. THE PROCEDURES AND STANDARDS OF THIS PLAN ARE DIRECTED TOWARD PUBLIC AREA IMPROVEMENTS. ALL AREAS USED BY THE CONTRACTOR'S OPERATIONS ARE SUBJECT TO THE PROVISIONS OF THIS PLAN. THIS INCLUDES BOTH ACTIVE CUT/FILL ZONES AS WELL AS STOCK PILES AND STAGING AREAS.
13. DISTURBED AREAS AND AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS SHALL BE INSPECTED TO ASCERTAIN WHETHER SOIL CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.
14. DURING PERIODS OF EXTENDED DRY WEATHER, THE CONTRACTOR SHALL KEEP A WATER TRUCK ON-SITE FOR THE PURPOSE OF WATERING DOWN SOIL WHICH MAY OTHERWISE BECOME AIRBORNE.
15. PLAN IS TO BE KEPT AT CONSTRUCTION FACILITY DURING THE ENTIRE CONSTRUCTION PERIOD.
16. ALL INLETS, STRUCTURES, PIPES, SWALES AND ROADS SHALL BE KEPT CLEAN AND FREE OF DIRT AND SILT.

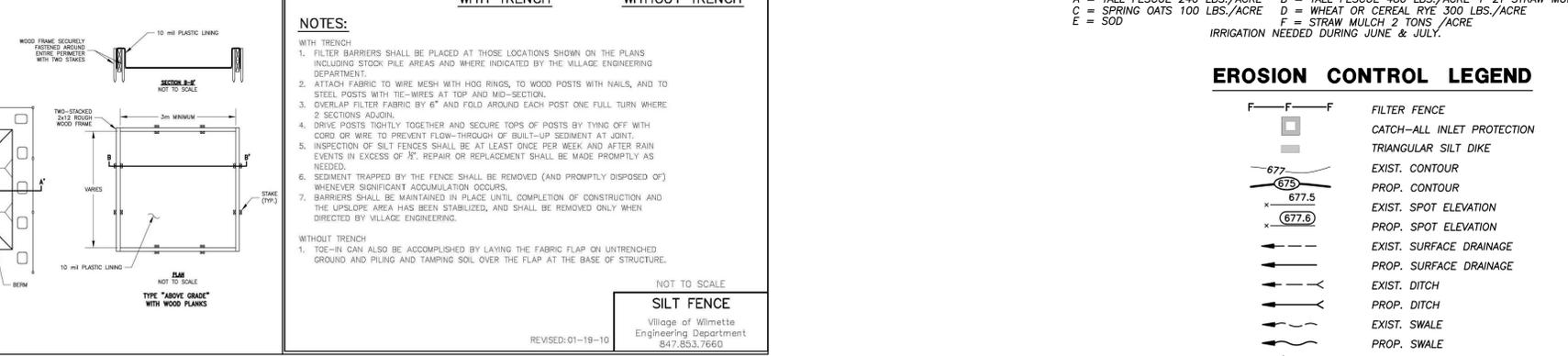
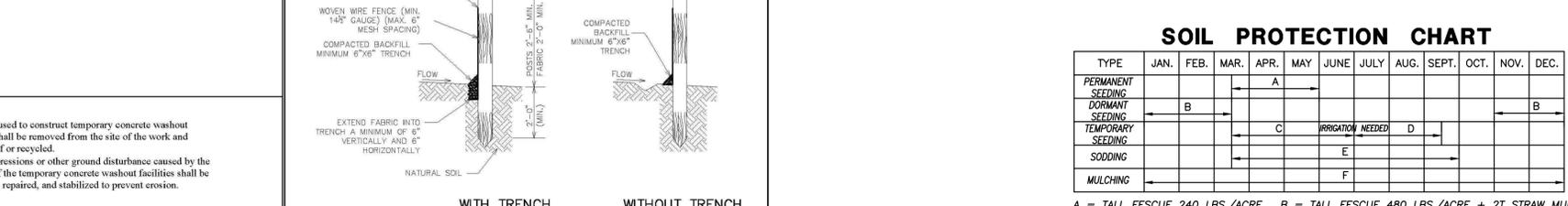
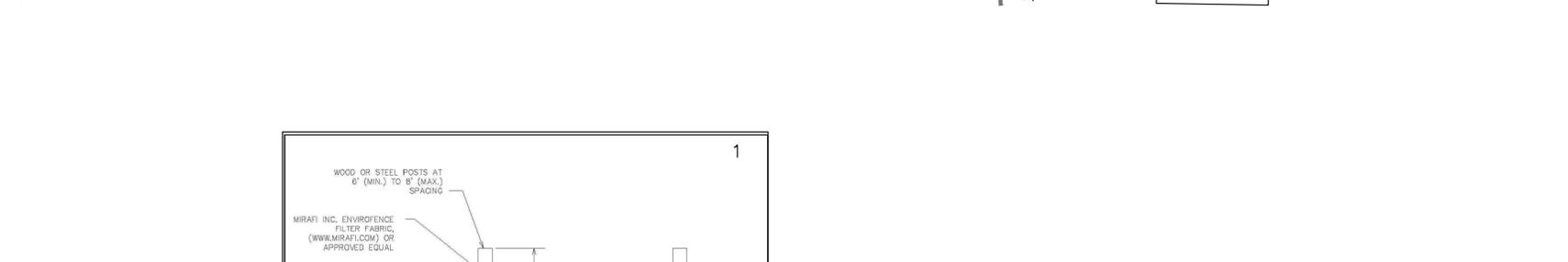
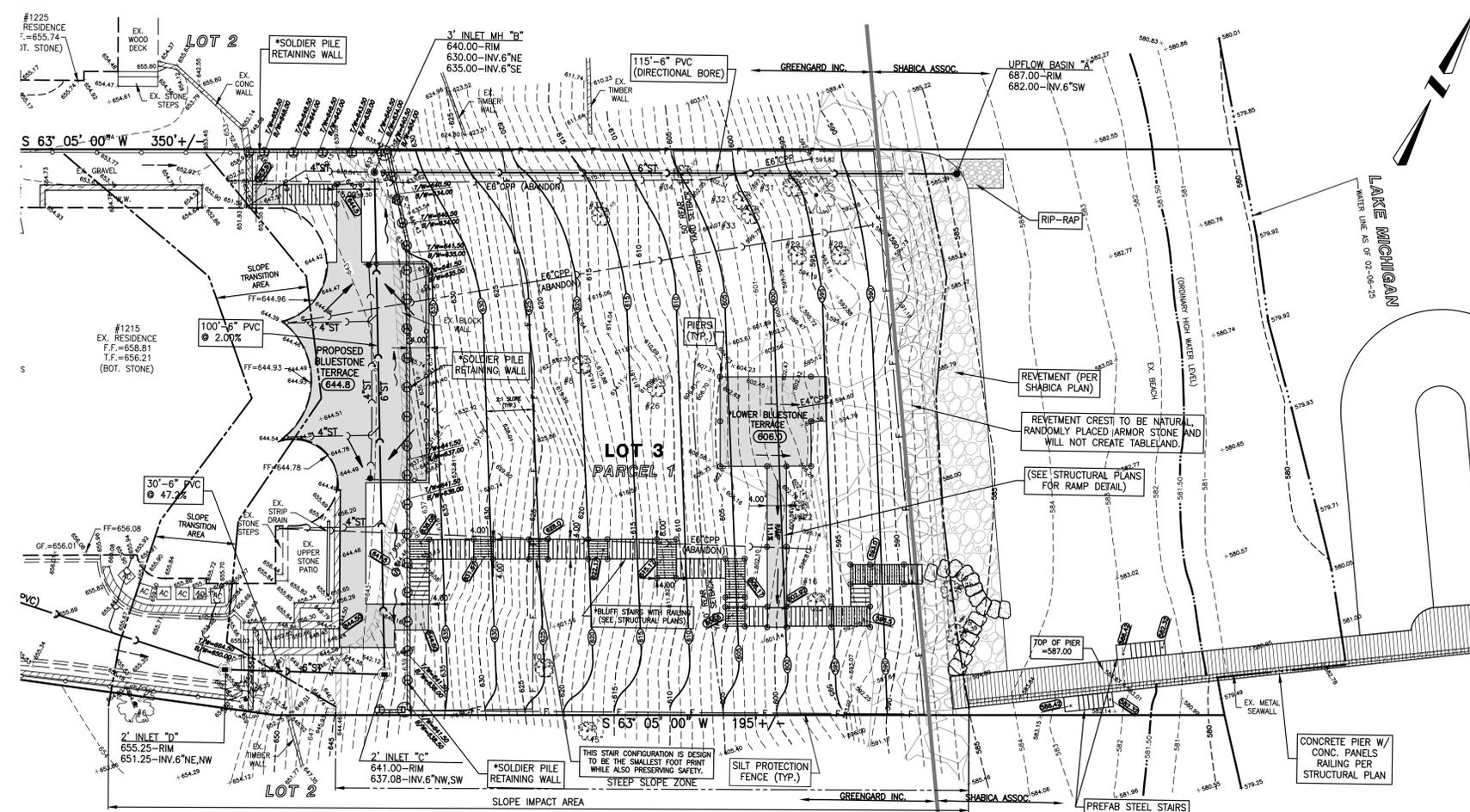


NOTES:

1. ALL SWPPPs AND COMPLETED INSPECTION FORMS/REPORTS REQUIRED UNDER THIS PERMIT SHALL BE MADE AVAILABLE TO THE PUBLIC WITHIN 30 DAYS UPON REQUEST. IF THE SWPPP OR INSPECTION FORM/REPORT CANNOT BE PROVIDED, THE PERMITTEE MUST RESPOND TO THE REQUEST WITHIN 30 DAYS WITH A STATEMENT THAT EXPLAINS WHY THE DOCUMENT CANNOT BE PROVIDED. ANY PORTION OF THE SWPPP MAY BE CLAIMED AS CONFIDENTIAL.
2. THE SUBSURFACE SOIL INCLUDES 2822A ANTHROPOGENIC UDDERTONS-URBAN LAND-ELIOTT COMPLEX 0 TO 2 PERCENT SLOPES CONSISTING OF SILT LOAM, SILTY CLAY LOAM, AND SILTY CLAY. THE SUBSURFACE SOIL ALSO INCLUDES 5307 GRAUWEE SILT LOAM, 20 TO 30 PERCENT SLOPES CONSISTING OF SILT LOAM AND SILTY CLAY LOAM.
3. THERE ARE NO KNOWN WETLANDS ON THE PROPERTY.
4. A RECORD OF THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR, WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE, AND WHEN STABILIZATION MEASURES ARE INITIATED, MUST BE DOCUMENTED. STABILIZATION OF DISTURBED AREAS MUST BE INITIATED WITHIN 1 WORKING DAY AND COMPLETED WITHIN 14 CALENDAR DAYS OF INITIATION FOR ALL LOCATIONS WHERE EARTH DISTURBING ACTIVITIES HAVE CEASED FOR AT LEAST 14 DAYS.
5. WHEN USING INLET PROTECTION MEASURES, WHERE THERE IS EVIDENCE OF SEDIMENT ACCUMULATION ADJACENT TO THE INLET PROTECTION MEASURE, REMOVE THE DEPOSITED SEDIMENT BY THE END OF THE SAME BUSINESS DAY IN WHICH IT IS FOUND OR BY THE END OF THE FOLLOWING BUSINESS DAY IF REMOVAL BY THE SAME BUSINESS DAY IS NOT FEASIBLE.
6. WASH WATERS MUST BE TREATED IN A SEDIMENT BASIN OR ALTERNATIVE CONTROL THAT PROVIDES EQUIVALENT OR BETTER TREATMENT PRIOR TO DISCHARGE. MINIMIZE THE EXPOSURE OF BUILDING MATERIALS, BUILDING PRODUCTS, CONSTRUCTION WASTES, TRASH LANDSCAPE MATERIALS, FERTILIZERS, PESTICIDES, HERBICIDES, DETRITUS, SANITARY WASTE AND OTHER MATERIALS PRESENT ON THE SITE TO PRECIPITATION AND TO STORM WATER. MINIMIZE THE EXPOSURE OF FUEL, OIL, HYDRAULIC FLUIDS, OTHER PETROLEUM PRODUCTS, AND OTHER CHEMICALS BY STORING IN COVERED AREAS OR CONTAINMENT AREAS. ANY CHEMICAL CONTAINERS WITH A STORAGE OF 55 GALLONS OR MORE MUST BE STORED A MINIMUM OF 50 FEET FROM RECEIVING WATERS, CONSTRUCTED OR NATURAL SITE DRAINAGE FEATURES, AND STORM DRAIN WATERS. MINIMIZE DISCHARGE POLLUTANTS FROM SPILLS AND LEAKS AND IMPLEMENT CHEMICAL SPILL AND LEAK PREVENTION AND RESPONSE PROCEDURES. NO SOLID MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED TO WATERS OF THE UNITED STATES, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT. PLANS SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
7. IF THERE ARE RELEASES MORE THAN REPORTABLE QUANTITIES THE VILLAGE OF WINNETKA PUBLIC WORKS AND ENGINEERING DEPARTMENT MUST BE CONTACTED AT 847-531-6000. IF NECESSARY, THE ILLINOIS EMERGENCY MANAGEMENT AGENCY SHALL BE CONTACTED AT 217-782-7860.
8. THERE ARE NO KNOWN LOCAL REGULATIONS MORE STRINGENT THAN THOSE OF THIS PERMIT.
9. INSPECTIONS MUST INCLUDE DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FULLY STABILIZED. AREAS ACCESSIBLE DURING INSPECTIONS DUE TO FLOODING OR OTHER UNUSUAL CONDITIONS MUST BE INSPECTED WITHIN 72 HOURS OF BECOMING ACCESSIBLE.
10. INSPECTIONS MAY BE REDUCED TO ONCE PER MONTH WHEN CONSTRUCTION ACTIVITIES HAVE CEASED TO FROZEN CONDITIONS. WEEKLY INSPECTIONS MUST RESUME WHEN CONSTRUCTION ACTIVITIES ARE RESUMED. IF THERE IS A 0.3 INCHES OR GREATER RAIN EVENT, OR A DISCHARGE DUE TO SNOW MELT OCCURS.
11. ANY FLOODING OR UNSAFE CONDITIONS THAT DELAY INSPECTION MUST BE DOCUMENTED IN THE INSPECTION REPORT.
12. CORRECTIVE ACTIONS ARE REQUIRED TO ADDRESS ANY OF THE FOLLOWING CONDITIONS IDENTIFIED AT THE SITE:
 - A. A STORMWATER CONTROL NEEDS REPAIR OR REPLACEMENT;
 - B. A STORMWATER CONTROL NECESSARY TO COMPLY WITH THE REQUIREMENTS OF THIS PERMIT WAS NOT INSTALLED OR WAS INSTALLED INCORRECTLY;
 - C. YOUR DISCHARGES ARE CAUSING AND EXCESSIVE OF APPLICABLE WATER QUALITY STANDARD; OR
 - D. A PROHIBITED DISCHARGE HAS OCCURRED.
 CORRECTIVE ACTIONS SHALL BE COMPLETED AS SOON AS POSSIBLE AND DOCUMENTED WITHIN 7 DAYS IN AN INSPECTION REPORT OR REPORT OF NONCOMPLIANCE. IF IT IS INFEASIBLE TO COMPLETE THE INSTALLATION OR REPAIR WITHIN SEVEN (7) CALENDAR DAYS, YOU MUST DOCUMENT IN YOUR REPORTS WHY IT IS INFEASIBLE TO COMPLETE THE INSTALLATION OR REPAIR WITHIN 7-DAY TIMEFRAME AND DOCUMENT YOUR SCHEDULE FOR INSTALLING THE STORMWATER CONTROL(S) AND MAKING IT OPERATIONAL AS SOON AS FEASIBLE AFTER THE 7-DAY TIMEFRAME. IN THE EVENT THAT MAINTENANCE IS REQUIRED FOR THE SAME STORMWATER CONTROL AT THE SAME LOCATION THREE OR MORE TIMES, THE CONTROL SHALL BE REPAIRED IN A MANNER THAT PREVENTS CONTINUED FAILURE TO THE EXTENT FEASIBLE, AND YOU MUST DOCUMENT THE CONDITION AND HOW IT WAS REPAIRED IN YOUR RECORDS. ALTERNATIVELY, YOU MUST DOCUMENT IN YOUR RECORDS WHY THE SPECIFIC REOCCURRENCE OF THIS SAME ISSUE SHOULD CONTINUE TO BE ADDRESSED AS A ROUTINE MAINTENANCE FIX.
13. THE PERMITTEE MUST RETAIN COPIES OF SWPPP, ALL REPORTS/NOTICES REQUIRED BY THIS PERMIT, RECORDS OF ALL DATA USED TO COMPLETE THE MTD TO BE COVERED BY THIS PERMIT, AND THE AGENCY NOTICE OF PERMIT COVERAGE LETTER FOR AT LEAST THREE YEARS FROM THE DATE THAT THE PERMIT COVERAGE EXPIRES OR IS TERMINATED. THE PERMITTEE MUST RETAIN A COPY OF THE EPA/2820 MILES N/E, P.O. BOX 19276/SPRINGFIELD, IL 62794-9276. PLEASE NOTE THAT IF THESE ARE DELIVERED VIA FEDEX OR UPS, THESE CARRIERS CANNOT DELIVER TO OUR P.O. BOX AND THIS NUMBER MUST BE EXCLUDED FROM THE MAILING ADDRESS.

NOTES:

1. ALL AREAS WHERE STORMWATER TYPICALLY FLOWS WITHIN THE SITE MUST BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. ALL LOCATIONS WHERE STABILIZATION MEASURES HAVE BEEN IMPLEMENTED MUST BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY.
2. ALL INSPECTION REPORTS MUST BE RETAINED AT THE CONSTRUCTION SITE.
3. AFTER THE INITIAL CHECK HAS BEEN MADE WITH THE APPROPRIATE AGENCY FIELD OPERATIONS SECTION OFFICE, ALL REPORTS OF NONCOMPLIANCE MUST BE MAILED TO THE AGENCY AT THE NEW ADDRESS, NOT THE ONE IN THE PERMIT. THIS ADDRESS IS AS FOLLOWS: ILLINOIS ENVIRONMENTAL PROTECTION AGENCY - DIVISION OF WATER POLLUTION CONTROL - COMPLIANCE ASSURANCE SECTION, 1021 NORTH GRAND AVENUE EAST, POST OFFICE BOX 19276/SPRINGFIELD, IL 62794-9276. PLEASE NOTE THAT IF THESE ARE DELIVERED VIA FEDEX OR UPS, THESE CARRIERS CANNOT DELIVER TO OUR P.O. BOX AND THIS NUMBER MUST BE EXCLUDED FROM THE MAILING ADDRESS.
4. FOR SITES DISCHARGING DEWATERING WATER, AN INSPECTION MUST BE CONDUCTED DURING THE DISCHARGE, ONCE PER DAY ON WHICH THE DISCHARGE OCCURS AND RECORD THE FOLLOWING IN A REPORT WITHIN 24 HOURS OF COMPLETING THE INSPECTION: THE INSPECTION DATE, NAMES AND TITLES OF PERSONNEL PERFORMING THE INSPECTION; APPROXIMATE TIMES THAT THE DEWATERING DISCHARGE BEGAN AND ENDED ON THE DAY OF INSPECTION; ESTIMATES OF THE RATE (IN GALLONS PER DAY) OF DISCHARGE ON THE DAY OF INSPECTION; AND WHETHER OR NOT ANY OF THE FOLLOWING INDICATIONS OF POLLUTANT DISCHARGE WERE OBSERVED AT THE POINT OF DISCHARGE: A SEDIMENT PLUME; DISPERSED SOLIDS; UNUSUAL COLOR; PRESENCE OF ODOOR, DECREASED CLARITY, PRESENCE OF FOAM, A VISIBLE SHEEN ON THE WATER SURFACE, AND/OR VISIBLE OIL DEPOSITS ON THE BOTTOM OR SHORELINE OF THE RECEIVING WATER.

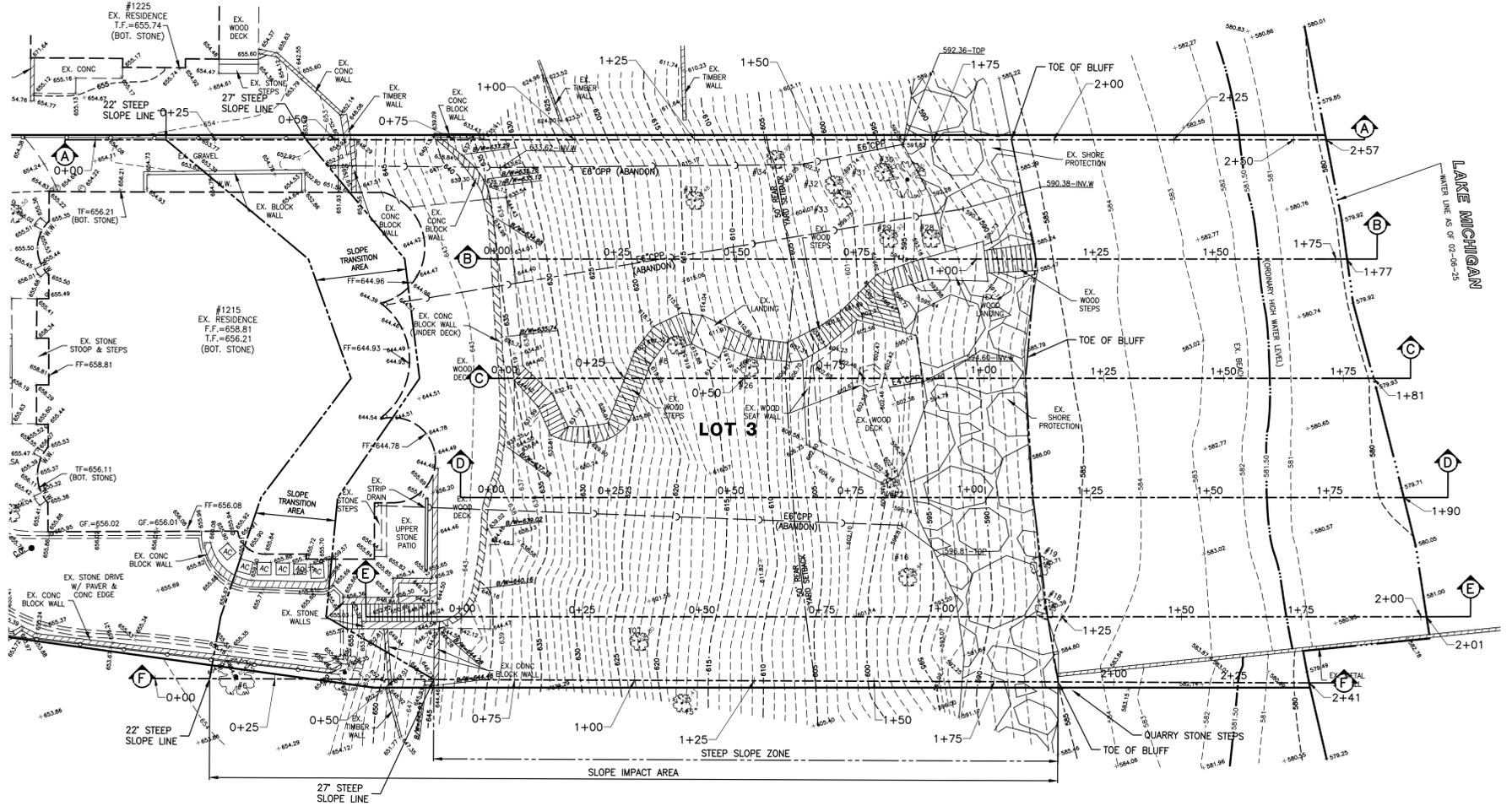


GREENGARD, INC.
Engineers • Surveyors • Planners
111 Barclay Blvd., Suite 310, Lincolnshire, Illinois 60069-3623
PHONE: 847-634-3883 FAX: 847-634-0687
E-MAIL: info@greengardinc.com ILL. REGISTRATION NO. 184-000995

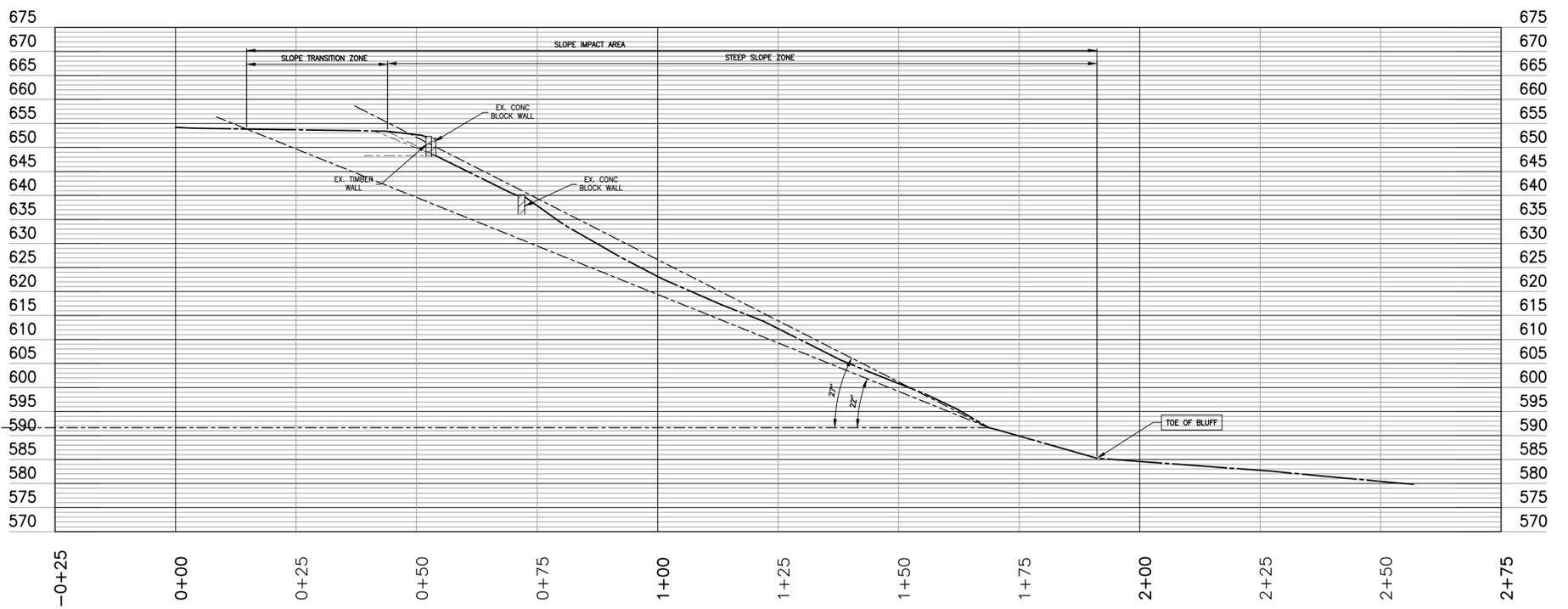
DESIGNED BY: AT DATE: 05-08-25
CHECKED BY: DRF DATE: 05-08-25
APPROVED BY: DRF DATE: 05-08-25

SCALE: 1"=15'
DRAWING No. 71005
SHEET C-5 OF C-9

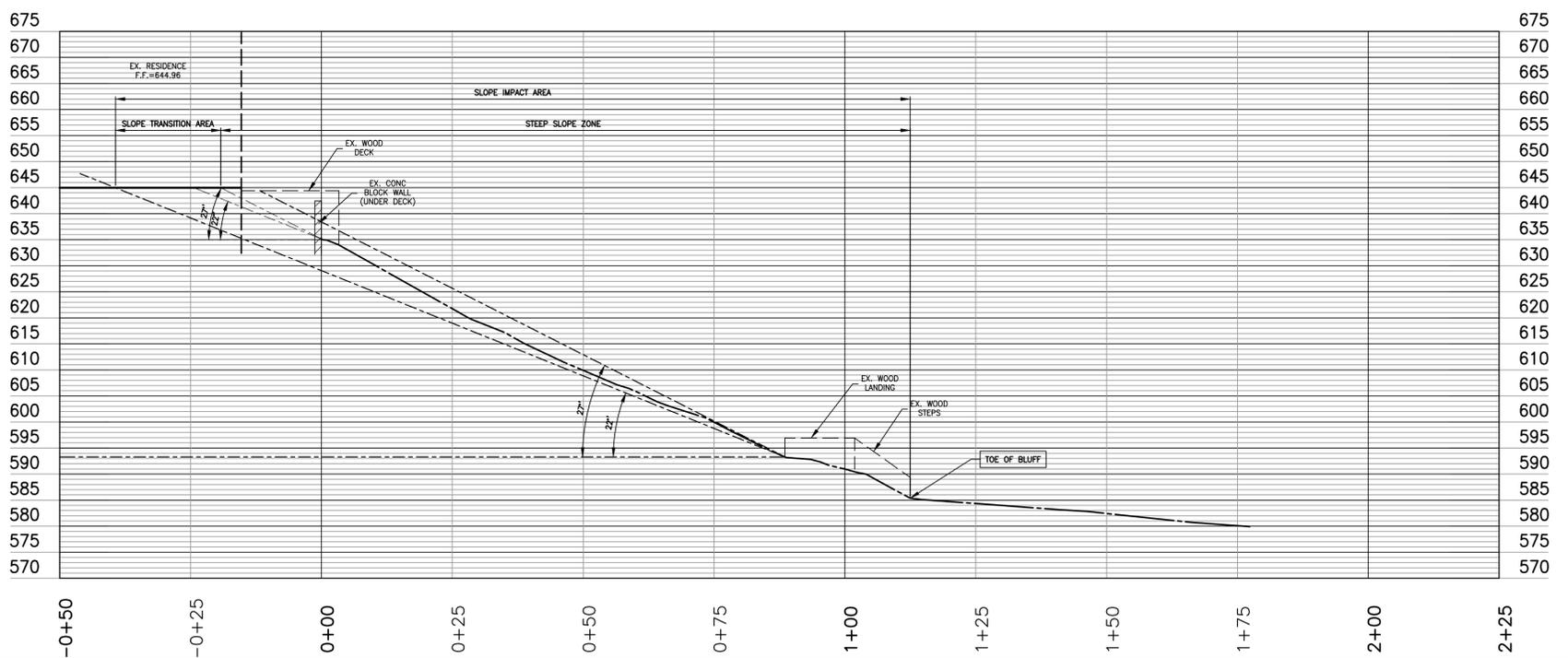
1215 WHITEBRIDGE HILL RD. - WINNETKA, IL
SOIL EROSION AND SEDIMENT CONTROL PLAN

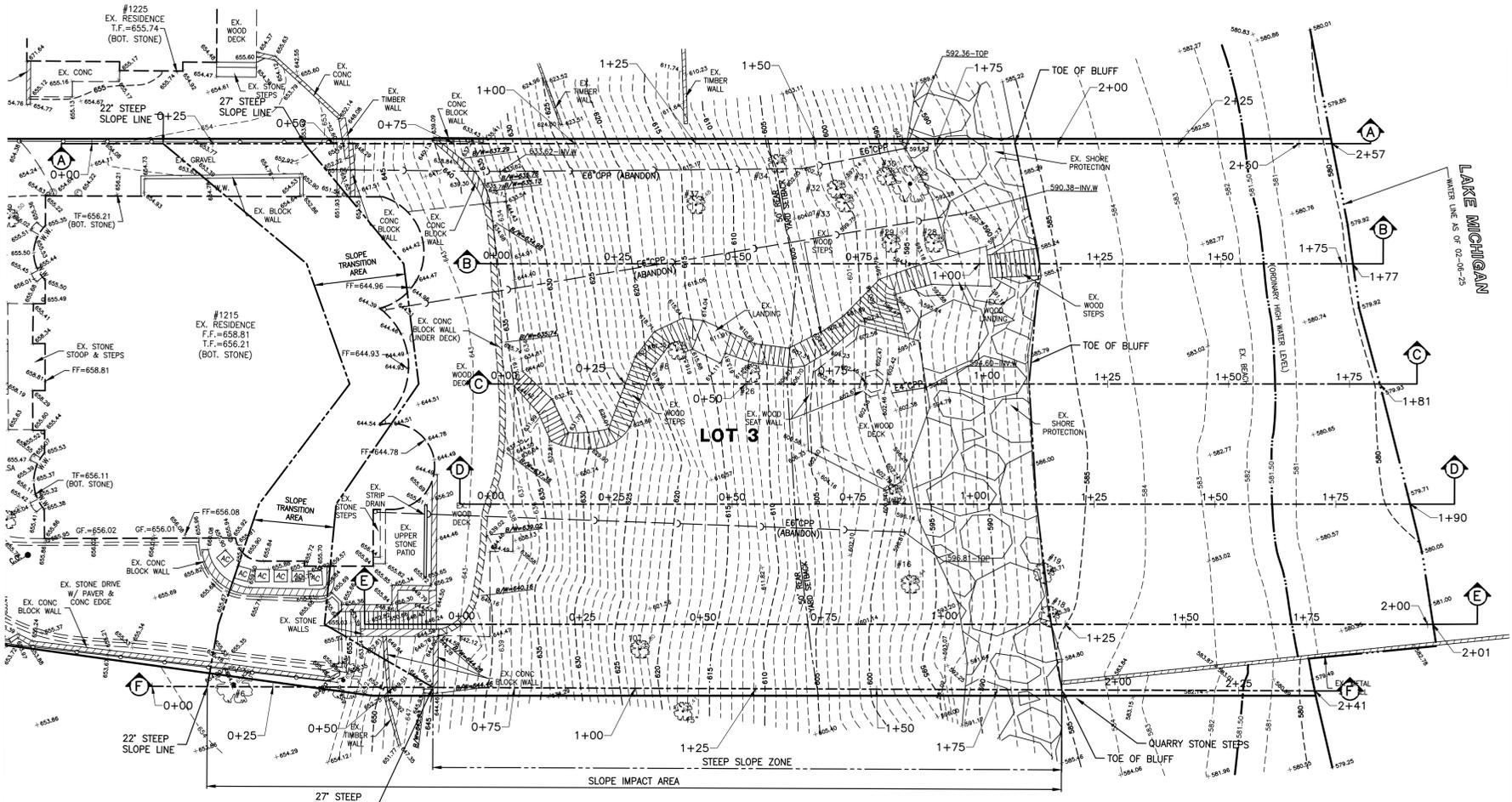


Alignment - A-A PROFILE

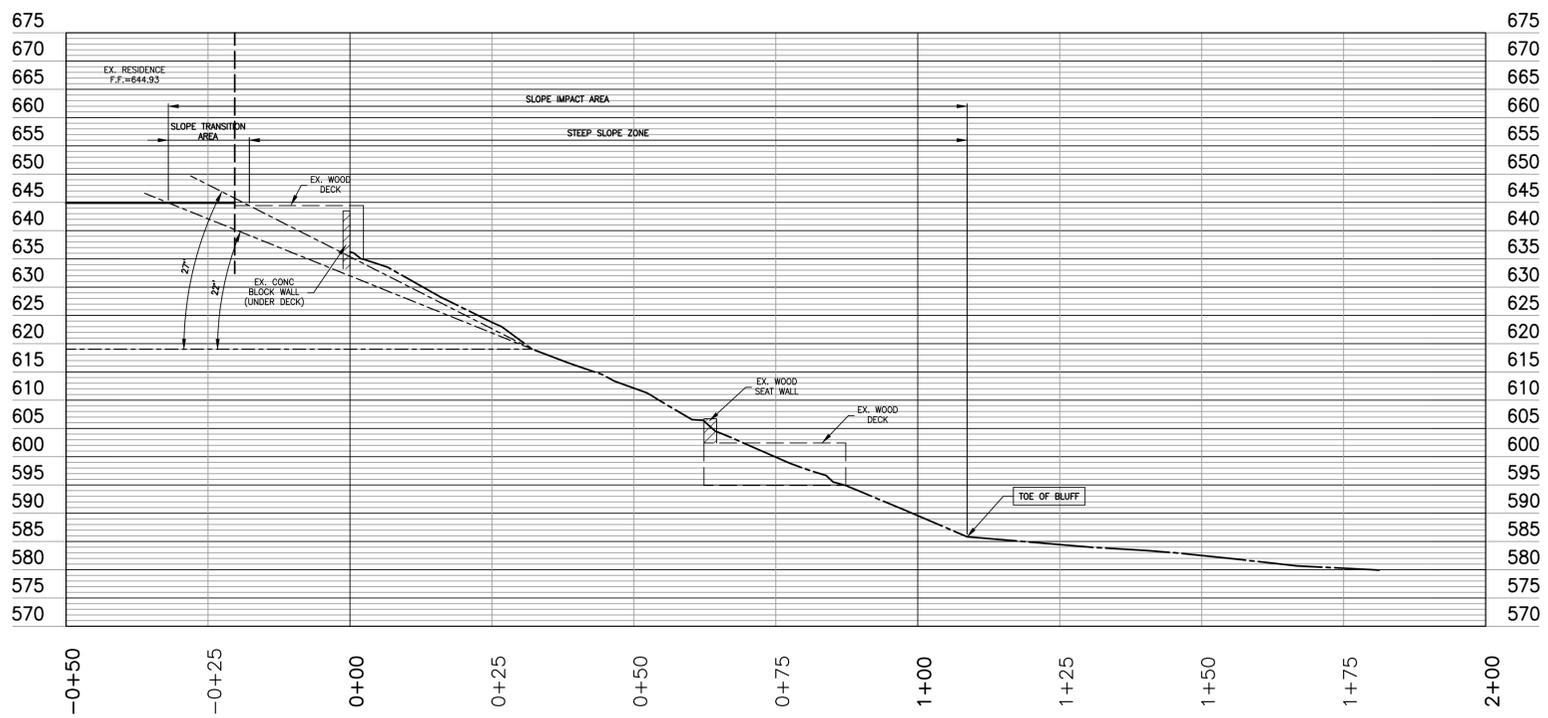


Alignment - B-B PROFILE

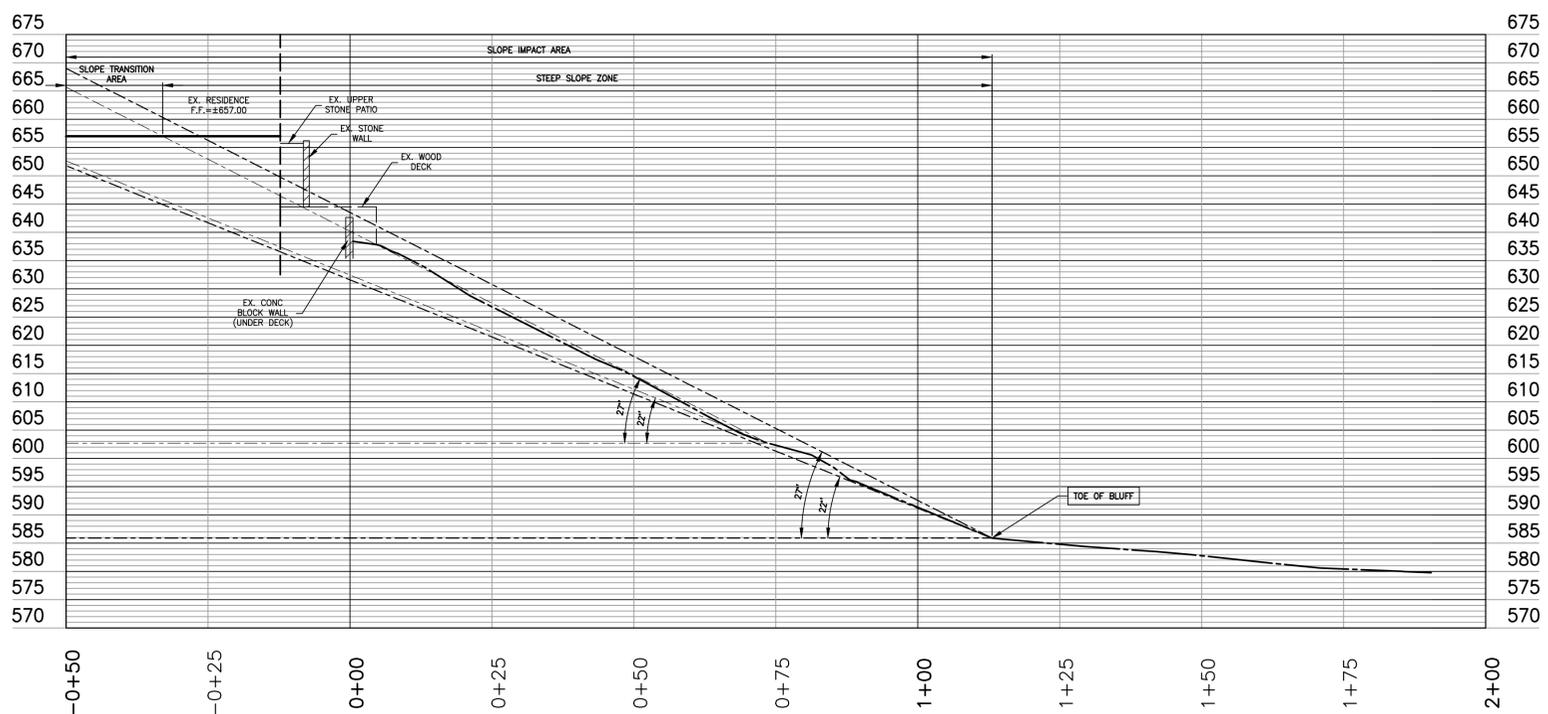


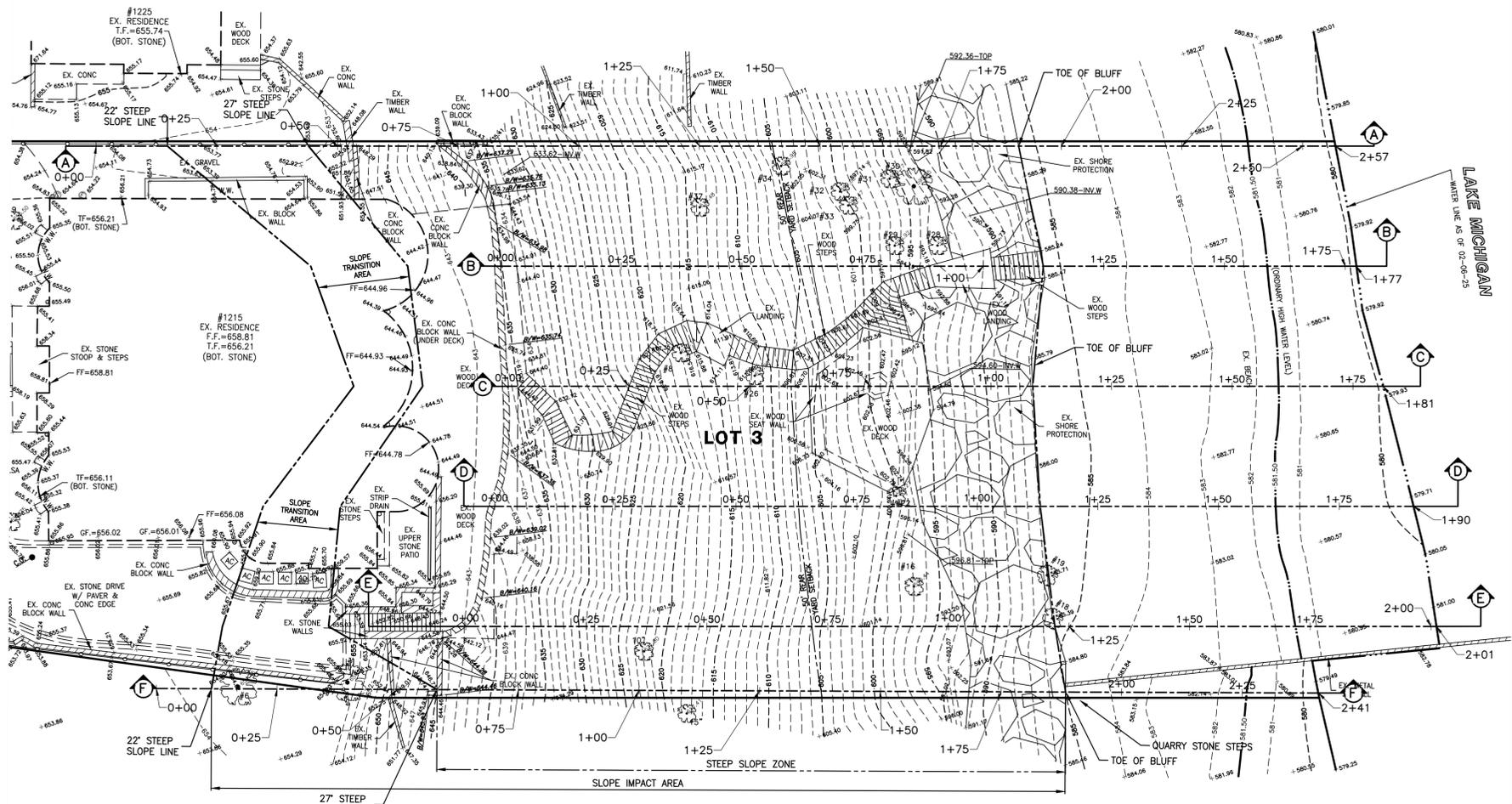


Alignment - C-C PROFILE

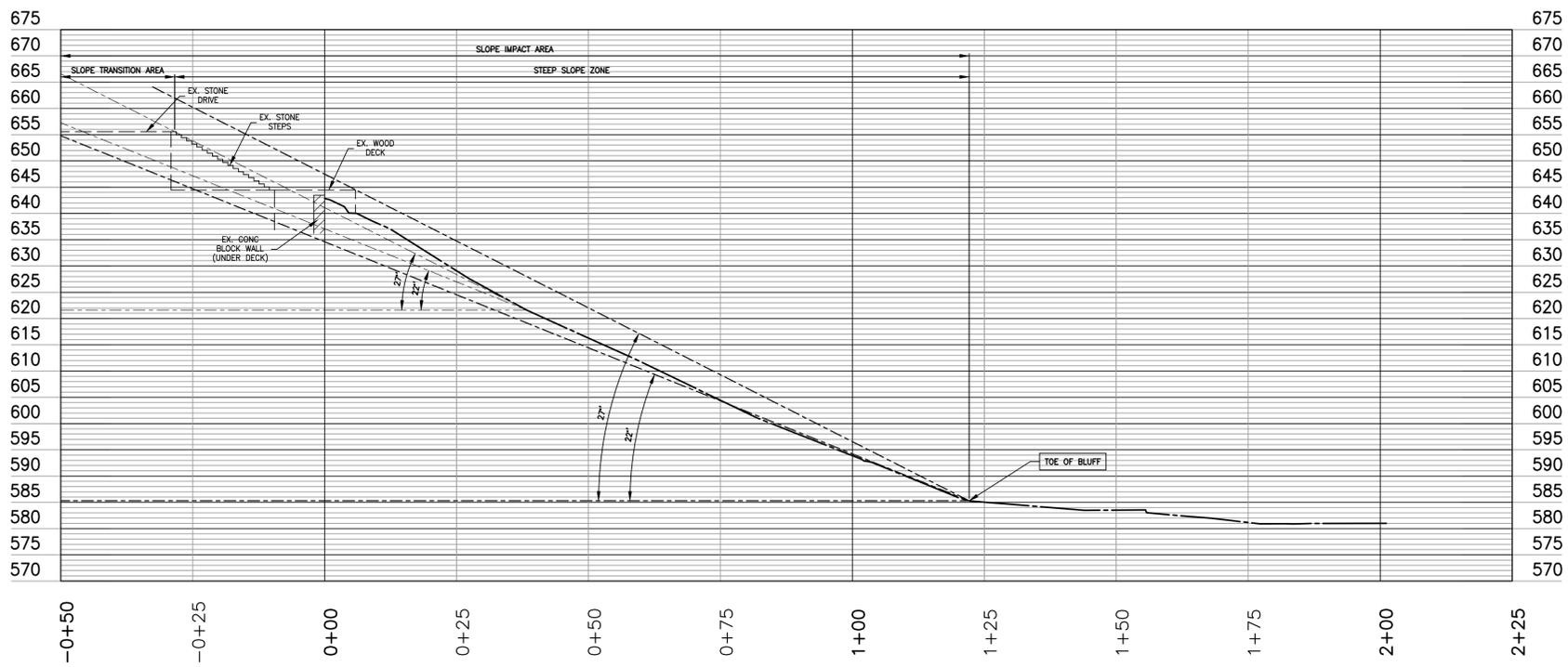


Alignment - D-D PROFILE

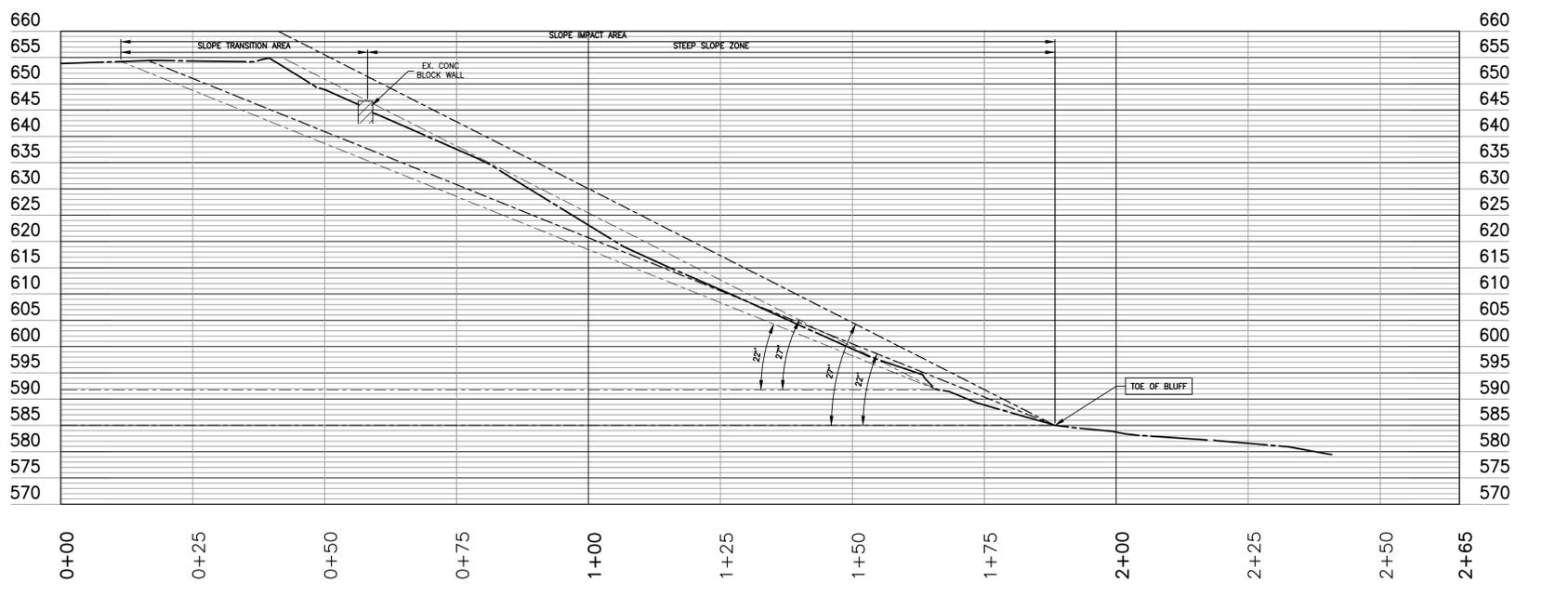




Alignment - E-E PROFILE



Alignment - F-F PROFILE



GENERAL NOTES

- FOR SEWER AND WATER MAIN STUB LOCATIONS, CONTACT THE VILLAGE OF WINNETKA PUBLIC WORKS DEPARTMENT. ALL EXISTING SERVICES NEED TO BE FIELD VERIFIED BY THE CONTRACTOR.
- ALL DISTURBED PARKWAY LAWN AREAS WITHIN THE PUBLIC RIGHT-OF-WAY SHALL BE RESTORED WITH SIX-INCH (6") OF PULVERIZED TOPSOIL AND SOD. NO CONSTRUCTION EQUIPMENT SHALL BE OPERATED, OR CONSTRUCTION MATERIALS OR EXCAVATED MATERIAL STORED OUTSIDE OF THE CONSTRUCTION AREA OR IN AREAS OF EXISTING TREES.
- WHERE NATURAL VEGETATION IS REMOVED DURING GRADING, SOIL EROSION AND SEDIMENT CONTROL SHALL BE INITIATED AND VEGETATION SHALL BE PROMPTLY RE-ESTABLISHED WITHIN 30 DAYS IN SUFFICIENT DENSITY TO PROVIDE EFFECTIVE EROSION CONTROL AS DETERMINED BY THE DIRECTOR OF PUBLIC WORKS/VILLAGE ENGINEER. PERMANENT VEGETATION SHALL BE ESTABLISHED AS SOON AS POSSIBLE AFTER GRADING HAS BEEN COMPLETED.
- WHEN GRADING OPERATIONS ARE COMPLETED OR SUSPENDED FOR 30 DAYS, PERMANENT VEGETATION MUST BE ESTABLISHED AT SUFFICIENT DENSITY TO PROVIDE EFFECTIVE EROSION CONTROL. BETWEEN PERMANENT VEGETATION (GRASS SEEDING), TEMPORARY COVER SHALL BE PROVIDED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DAMAGED PUBLIC PROPERTY AS A RESULT OF CONSTRUCTION ON THIS SITE. ALSO NOTE THAT ALL PUBLIC PROPERTY TO BE REMOVED / REPLACED AS PART OF THIS PROJECT SHALL BE DONE SO IN ACCORDANCE WITH VILLAGE STANDARDS.
- DUST CONTROL MEASURES SHOULD BE USED, WHEN APPLICABLE, TO MINIMIZE THE SPREAD OF AIRBORNE PARTICLES.
- BUILDING MATERIALS AND OTHER CONSTRUCTION SITE WASTES MUST BE PROPERLY MANAGED AND DISPOSED OF TO REDUCE THE RISK OF POLLUTION.
- THE DEVELOPER/CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING THE PUBLIC R.O.W. FREE FROM DIRT AND DEBRIS. TRUCKS AND OTHER CONSTRUCTION EQUIPMENT SHOULD BE CLEANED ON-SITE TO PREVENT MUD FROM BEING DEPOSITED ON THE R.O.W.
- ANY TEMPORARY DIRT STOCKPILES SHALL BE FOR FOUNDATION BACKFILL ONLY. ALL OTHER EXCAVATED MATERIALS MUST BE REMOVED FROM SITE IMMEDIATELY. STOCKPILES OF SOIL THAT WILL REMAIN FOR A PERIOD GREATER THAN 7 DAYS MUST BE STABILIZED AND PROVIDED WITH THE APPROPRIATE SOIL EROSION AND SEDIMENTATION CONTROL MEASURES. NO STOCKPILE SHALL BE PLACED WITHIN 25 FEET TO A ROADWAY OR DRAINAGE CHANNEL.
- ALL TEMPORARY SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE DISPOSED OF WITHIN 30 DAYS AFTER SITE STABILIZATION OR AFTER MEASURES ARE NO LONGER NEEDED. ALL TRAPPED SEDIMENT AND OTHER DISTURBED SOIL AREAS RESULTING FROM THE DISPOSITION OF TEMPORARY MEASURES SHOULD BE PERMANENTLY STABILIZED TO PREVENT FURTHER EROSION AND SEDIMENTATION.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE MAINTAINED THROUGHOUT THE ENTIRE CONSTRUCTION PROCESS.
- CONCRETE TRUCK WASHOUT MUST NOT OCCUR WITHIN THE RIGHT-OF-WAY OR DOWN STORM INLET STRUCTURES.
- ALL PUBLIC SIDEWALKS REMOVED FOR UTILITY WORKS MUST BE BACKFILLED AND SURFACED WITH TEMPORARY CONCRETE OR COLD PATCHED BEFORE THE END OF THE DAY. NO GRAVEL ON PUBLIC SIDEWALK WILL BE ALLOWED.
- ALL TRENCHES UNDER PUBLIC ROADWAY MUST BE BACKFILLED WITH CONTROLLED LOW STRENGTH MATERIAL (CLSM) MIX 1, COMMONLY KNOWN AS "FLOWABLE FILL". CA-7 MATERIAL SHOULD BE USED FOR THE BEDDING OF THE PIPE AND ONE-FOOT (1') OVER THE TOP OF PIPE. THE REMAINDER OF THE BACKFILL MATERIAL MUST BE CLSM.
- ALL EXISTING GRADES MUST BE MAINTAINED AT THE PROPERTY LINE.
- SWALES SHOULD BE A MINIMUM SIX-INCH (6") DEEP AND TWO-FOOT (2') WIDE. DAMMING OR DISPLACING WATER ONTO ADJACENT PROPERTIES IS NOT PERMITTED.
- SUMP PUMP TO DISCHARGE TO STORM SEWER. SUMP PUMP SERVICE LINE SHALL BE SIX-INCH (6") P.V.C., SDR 26 AT A MINIMUM ONE PERCENT (1.00%) GRADE.
- DOWNSPOUTS ARE TO BE CONNECTED TO THE STORM SEWER. DOWNSPOUT CONNECTIONS SHALL BE FOUR-INCH (4") AND SIX-INCH (6") P.V.C., SDR 26.
- ALL STORM SEWER SHALL BE PVC, AT A MINIMUM ONE-PERCENT (1.00%) GRADE, AND SHALL HAVE FOUR-INCH (4") CA-7 BEDDING EXTENDED UP TO TWELVE INCHES (12") OVER THE TOP OF THE PIPE (UNLESS OTHERWISE NOTED).
- SILT/TREE PROTECTION FENCING TO BE PLACED PRIOR TO START OF CONSTRUCTION. FENCE INSPECTION MUST BE PASSED PRIOR TO START OF CONSTRUCTION.
- TREE PROTECTION FENCING TO BE SIX-FOOT (6') CHAIN LINK OR SIMILAR MATERIAL.
- NO HEAVY MACHINERY MAY BE USED WITHIN THE DRIP LINES OF ANY TREE.
- NO STOCKPILING ON ANY MATERIAL FOR ANY PERIOD OF TIME WITHIN THE DRIP LINE OF ANY TREE.
- NON-LIMESTONE MATERIALS SHALL BE USED WITHIN THE DRIPLINE OF ANY TREE ON OR ADJACENT TO THE PROPERTY.
- ALL TREES AND BRUSH REMOVAL SHALL BE DONE BY HAND, AND ALL STUMPS ARE TO BE GROUND OUT, NOT BULLDOZED.

WATER AND SEWER CROSSING NOTES:

SEWER AND WATER MAIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR SEWER AND WATER MAIN CONSTRUCTION IN ILLINOIS" (SIXTH EDITION), DATED JUNE 2009; AND THE MUNICIPALITY'S CODES AND ORDINANCES CURRENTLY IN EFFECT.

TRENCH BACKFILL SHALL BE PROVIDED BENEATH AND WITHIN TWO FEET (2') OF ALL EXISTING AND PROPOSED PAVEMENTS. TRENCH BACKFILL SHALL BE SELECT GRANULAR BACKFILL CA-6 AND THOROUGHLY COMPACTED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

THE FOLLOWING REQUIREMENTS SHALL BE ADHERED TO WHEN THE WATER MAIN MUST PASS UNDERNEATH THE STORM OR SANITARY SEWER, OR BE PLACED HORIZONTALLY CLOSER THAN TEN FEET (10'):

HORIZONTAL:

- A. WATER MAINS MAY BE LOCATED CLOSER THAN TEN (10') FEET TO A SEWER LINE WHEN:
- LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF TEN (10') FEET; AND
 - THE WATER MAIN INVERT IS AT LEAST EIGHTEEN (18") INCHES ABOVE THE CROWN OF THE SEWER; AND
 - THE WATER MAIN IS EITHER IN A SEPARATE TRENCH OR IN THE SAME TRENCH ON AN UNDISTURBED EARTH SHELF LOCATED TO ONE SIDE OF THE SEWER.

B.

WHEN IT IS IMPOSSIBLE TO MEET THE ABOVE REQUIREMENT, BOTH THE WATER MAIN AND DRAIN OR SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION. THE DRAIN OR SEWER SHALL BE PRESSURE TESTED TO THE MAXIMUM EXPECTED SURCHARGE HEAD BEFORE BACKFILLING.

VERTICAL:

A. A WATER MAIN SHALL BE SEPARATED FROM A SEWER SO THAT ITS INVERT IS A MINIMUM OF EIGHTEEN (18) INCHES ABOVE THE CROWN OF THE DRAIN OR SEWER WHENEVER WATER MAINS CROSS STORM SEWERS, SANITARY SEWERS, OR SEWER SERVICE CONNECTIONS. THE VERTICAL SEPARATION SHALL BE MAINTAINED FOR THAT PORTION OF THE WATER MAIN LOCATED WITHIN TEN (10) FEET HORIZONTALLY OF ANY SEWER OR DRAIN CROSSED. A LENGTH OF WATER MAIN PIPE SHALL BE CENTERED OVER THE SEWER TO BE CROSSED WITH JOINTS EQUIDISTANT FROM THE SEWER OR DRAIN.

B.

BOTH THE WATER MAIN AND SEWER SHALL BE CONSTRUCTED OF SLIP-ON OR MECHANICAL JOINT CAST OR DUCTILE IRON PIPE, OR PVC PIPE EQUIVALENT TO WATER MAIN STANDARDS OF CONSTRUCTION WHEN:

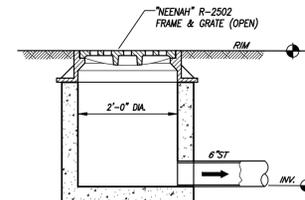
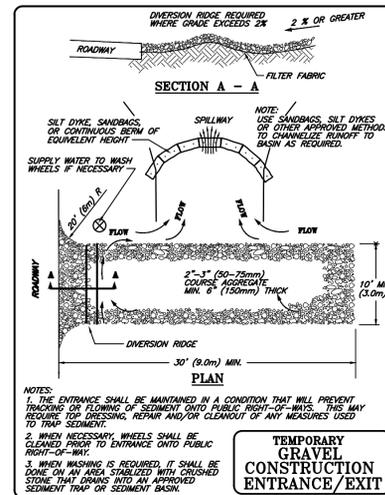
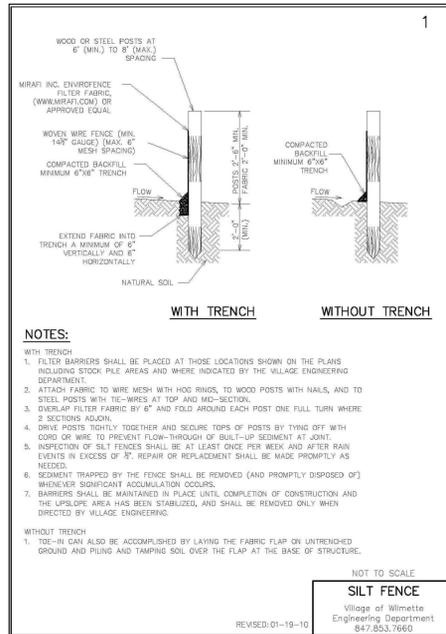
- IT IS IMPOSSIBLE TO OBTAIN THE PROPER VERTICAL SEPARATION AS DESCRIBED IN (A) ABOVE;
- THE WATER MAIN PASSES UNDER A SEWER OR DRAIN.

C.

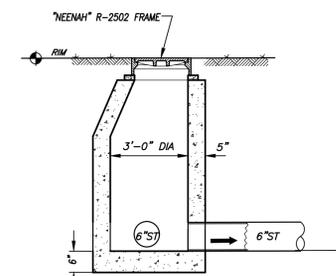
A VERTICAL SEPARATION OF EIGHTEEN (18) INCHES BETWEEN THE INVERT OF THE SEWER OR DRAIN AND THE CROWN OF THE WATER MAIN SHALL BE MAINTAINED WHERE A WATER MAIN CROSSES UNDER A SEWER. SUPPORT THE SEWER OR DRAIN LINES TO PREVENT SETTLING AND BREAKING THE WATER MAIN.

D.

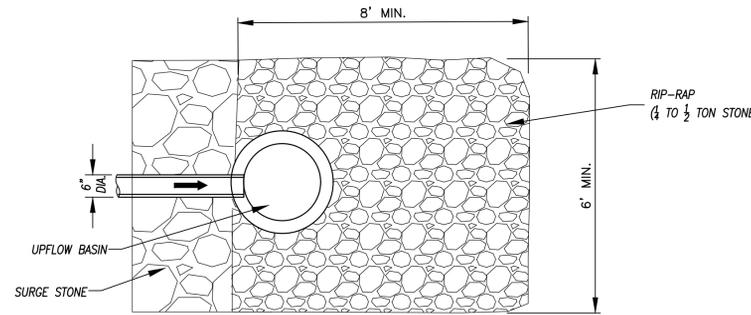
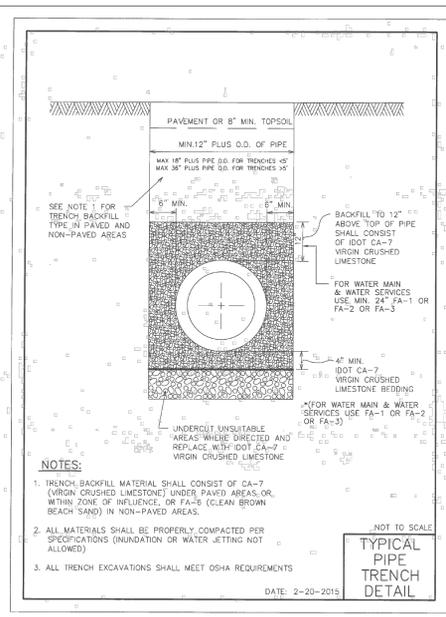
CONSTRUCTION SHALL EXTEND ON EACH SIDE OF THE CROSSING UNTIL THE PERPENDICULAR DISTANCE FROM THE WATER MAIN TO THE SEWER OR DRAIN LINE IS AT LEAST TEN (10) FEET.



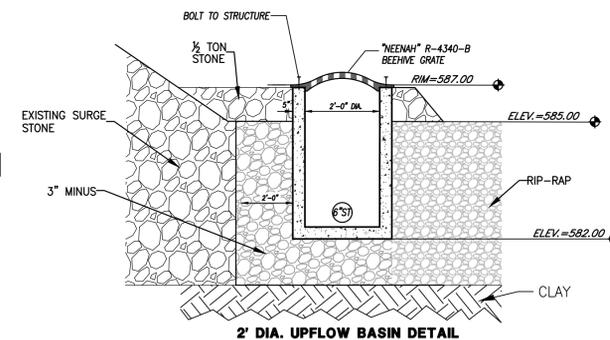
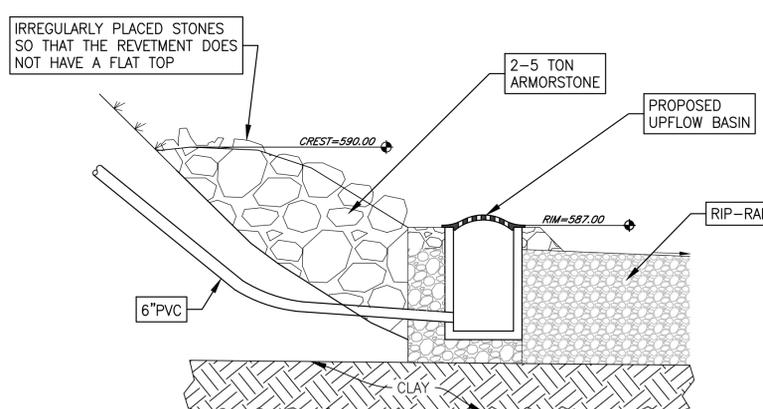
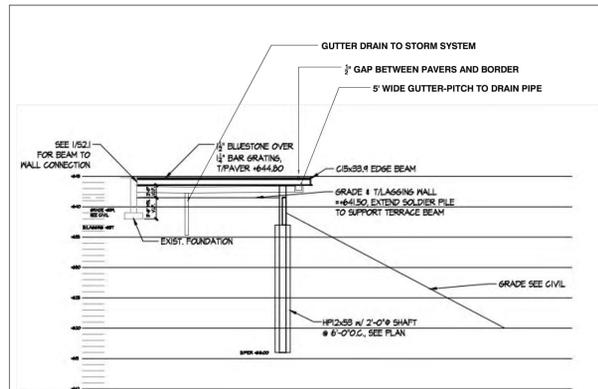
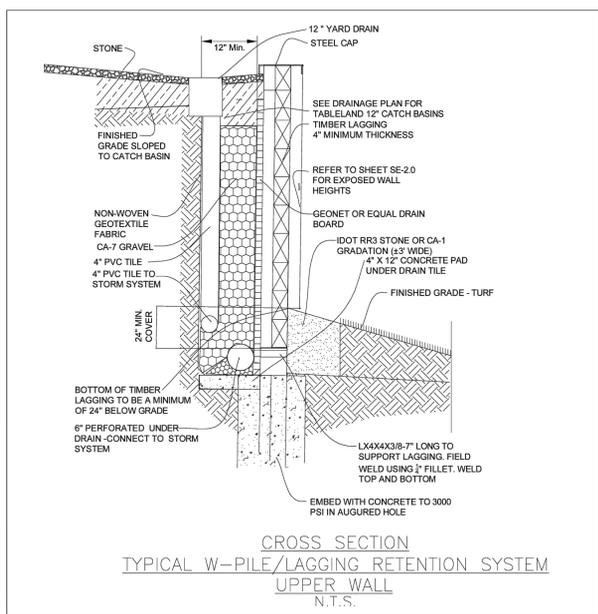
2' DIA. INLET DETAIL



3' DIA. INLET MANHOLE



RIP - RAP DETAIL @ OUTLET (N.T.S.)



2' DIA. UPFLOW BASIN DETAIL

Drawing File: \\171005\171005\171005-09-10.dwg, Date: 08/29/2015, 2:50pm



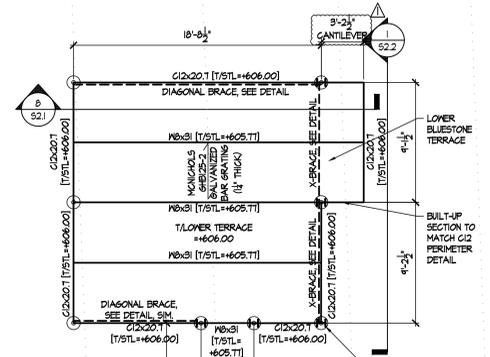
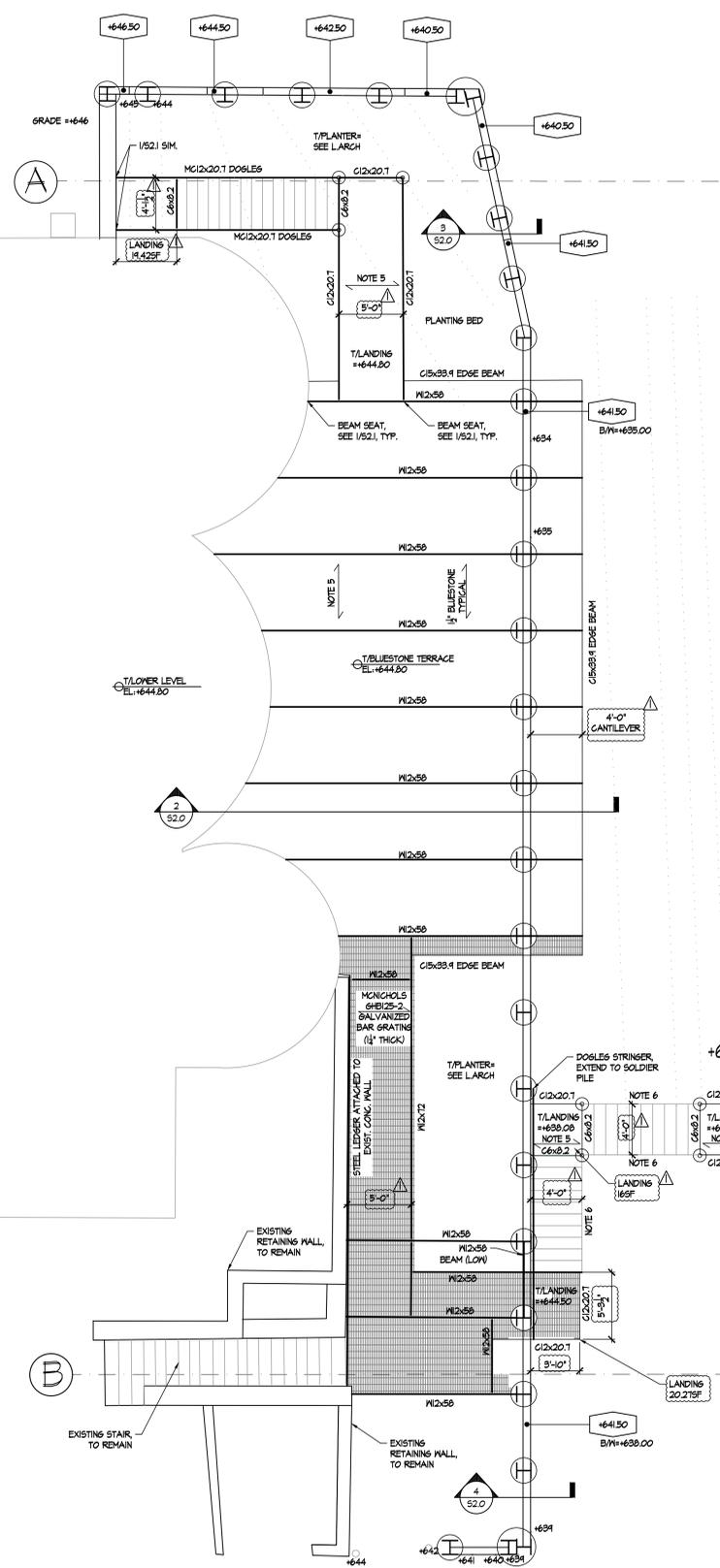
AT 11-21-25	REVISED UPFLOW BASIN	DESIGNED BY: AT	DATE: 05-08-25
AT 10-17-25	REVISED PER VILLAGE REVIEW	CHECKED BY: DRF	DATE: 05-08-25
AT 08-29-25	REVISED UPFLOW BASIN, ADD SECTION REVISIONS	APPROVED BY: DRF	DATE: 05-08-25
DRWN BY: DATE:	REVISIONS	DRWN BY: DATE:	REVISIONS

DESIGNED BY: AT
DATE: 05-08-25
CHECKED BY: DRF
DATE: 05-08-25
APPROVED BY: DRF
DATE: 05-08-25

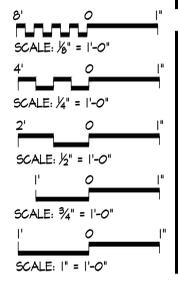
GREENGARD, INC.
Engineers • Surveyors • Planners
111 Barclay Blvd., Suite 310, Lincolnshire, Illinois 60069-3615
PHONE: 847-634-3883 FAX: 847-634-0687
E-MAIL: 231@GREENGARDINC.COM ILL. REGISTRATION NO. 184-000995

SCALE: NONE
DRAWING NO. 71005
SHEET C-9 of C-9

1215 WHITEBRIDGE HILL RD. - WINNETKA, IL
DETAILS



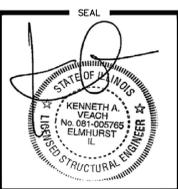
LANDSCAPE FOUNDATION PLAN
 SCALE: 3/16" = 1'-0"
 NOTES:
 1. LANDSCAPE ARCHITECT & CONTRACTOR TO CONFIRM ALL DIMENSIONS & ELEVATIONS PRIOR TO CONSTRUCTION.
 2. WATERPROOFING DRAINAGE SYSTEM & DRAIN TILE BY OTHERS, SEE LARCH & CIVIL DRAWINGS.
 3. ALL SMALL ELEVATIONS ARE 1/2" CONCRETE UNO. REFER TO LARCH FOR CORNERSTONE DIMENSIONS.
 4. T.LANDINGS & TERRACE NOTED ARE T/BLUESTONE PAVEMENT UNO.
 5. TYPICAL BAR GRATING IS MONICHOLES GHE125-2 GALVANIZED BAR GRATING (1/2" THICK).
 6. TYPICAL STRONGER IS MC12X10 & UNO.
 7. FOR BLUFF STAIR & LOWER TERRACE, ALL PILES ARE 3"Ø STD. MICROPILE W/ 12"Ø DRILLED SHAFT. IF STEEL BEARING IS MORE THAN 3'-0" ABOVE GRADE, THEN DRILLED SHAFT MUST STOP 1'-6" ABOVE GRADE, AND NEW 3"Ø PIPE COLUMN WITH BASE PLATE & X-BRACING MUST BE USED, SIMILAR TO 8/521 & 1/522.



TERRACE/RETAINING WALL

1215 WHITEBRIDGE
WINNETKA, IL

THE STRUCTURAL SHOP Ltd.
 structural engineering
 9801. River Street
 Schiller Park, IL 60196
 Tel: 847.349.1096
 Fax: 847.349.1098



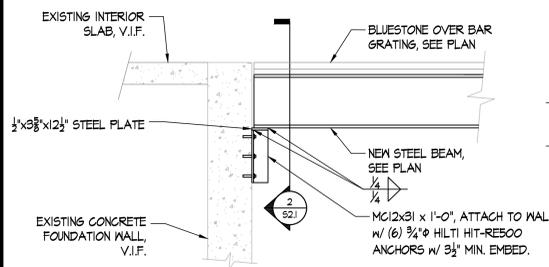
REVISIONS

04.01.2025	FOR REVIEW
05.24.2025	FOR PERMIT
07.18.2025	FOR PERMIT

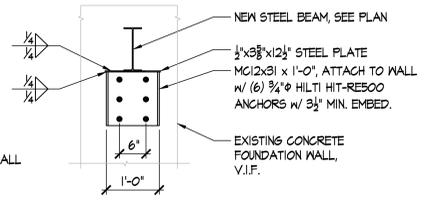
TITLE
FOUNDATION PLAN

DATE: 04.01.2025
 DRAWN: JN
 JOB NO.: 25057

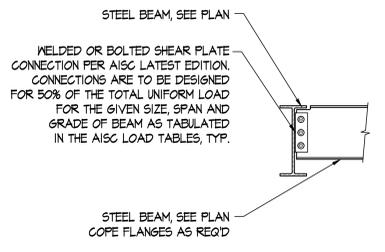
SHEET NO.: **S1.0**



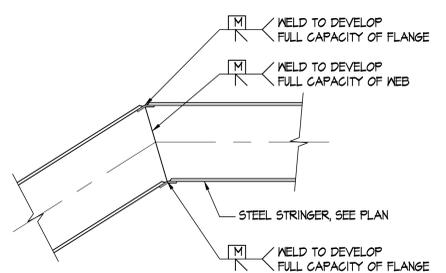
1 TYP. BEAM SEAT DETAIL
S2.1 SCALE: 3/4" = 1'-0"



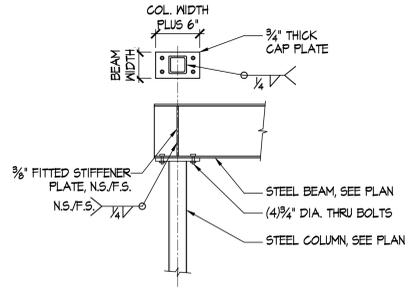
2 TYP. BEAM SEAT
S2.1 SCALE: 3/4" = 1'-0"



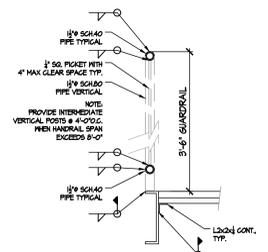
3 TYP. STEEL BEAM TO BEAM
S2.1 SCALE: 3/4" = 1'-0"
NOTES:
1. STEEL CONNECTION DESIGN IS BY OTHERS. SEE GENERAL STEEL NOTES ON 50.0



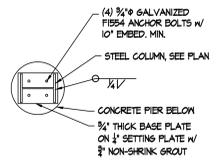
4 TYP. DOGLEG
S2.1 SCALE: 3/4" = 1'-0"



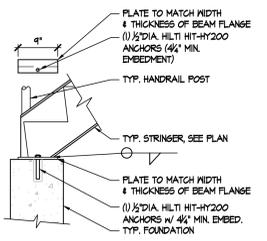
5 TYP. BEAM TO COLUMN
S2.1 SCALE: 3/4" = 1'-0"



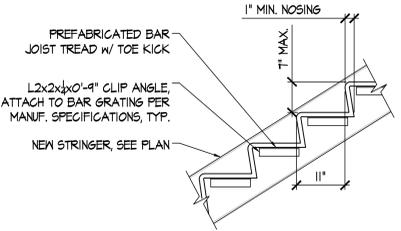
6 HANDRAIL @ INT. POST
S2.1 SCALE: 3/4" = 1'-0"



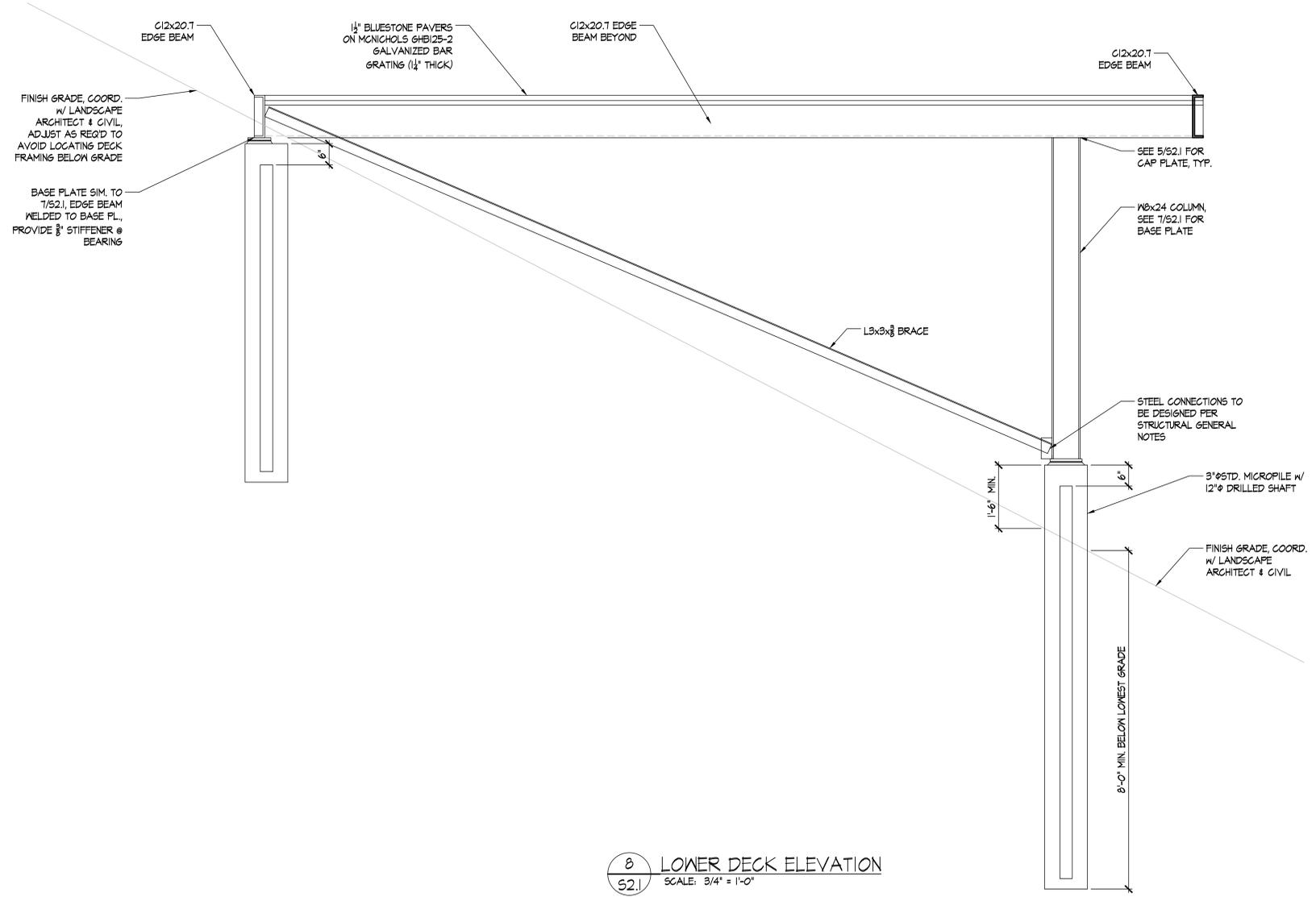
7 COLUMN BASE PLATE
S2.1 SCALE: 3/4" = 1'-0"



9 TYP. STRINGER FOUNDATION
S2.1 SCALE: 3/4" = 1'-0"



10 TYP. STAIR SECTION
S2.1 SCALE: 3/4" = 1'-0"



8 LOWER DECK ELEVATION
S2.1 SCALE: 3/4" = 1'-0"

TERRACE/RETAINING WALL
1215 WHITEBRIDGE
WINNETKA, IL

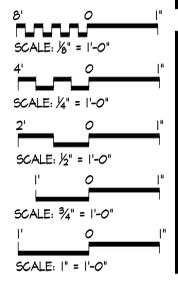
THE STRUCTURAL SHOP Ltd.
structural engineering
9801 River Street
Oak Brook, IL 60155
Schiller Park, IL 60154
fax 847.349.1098

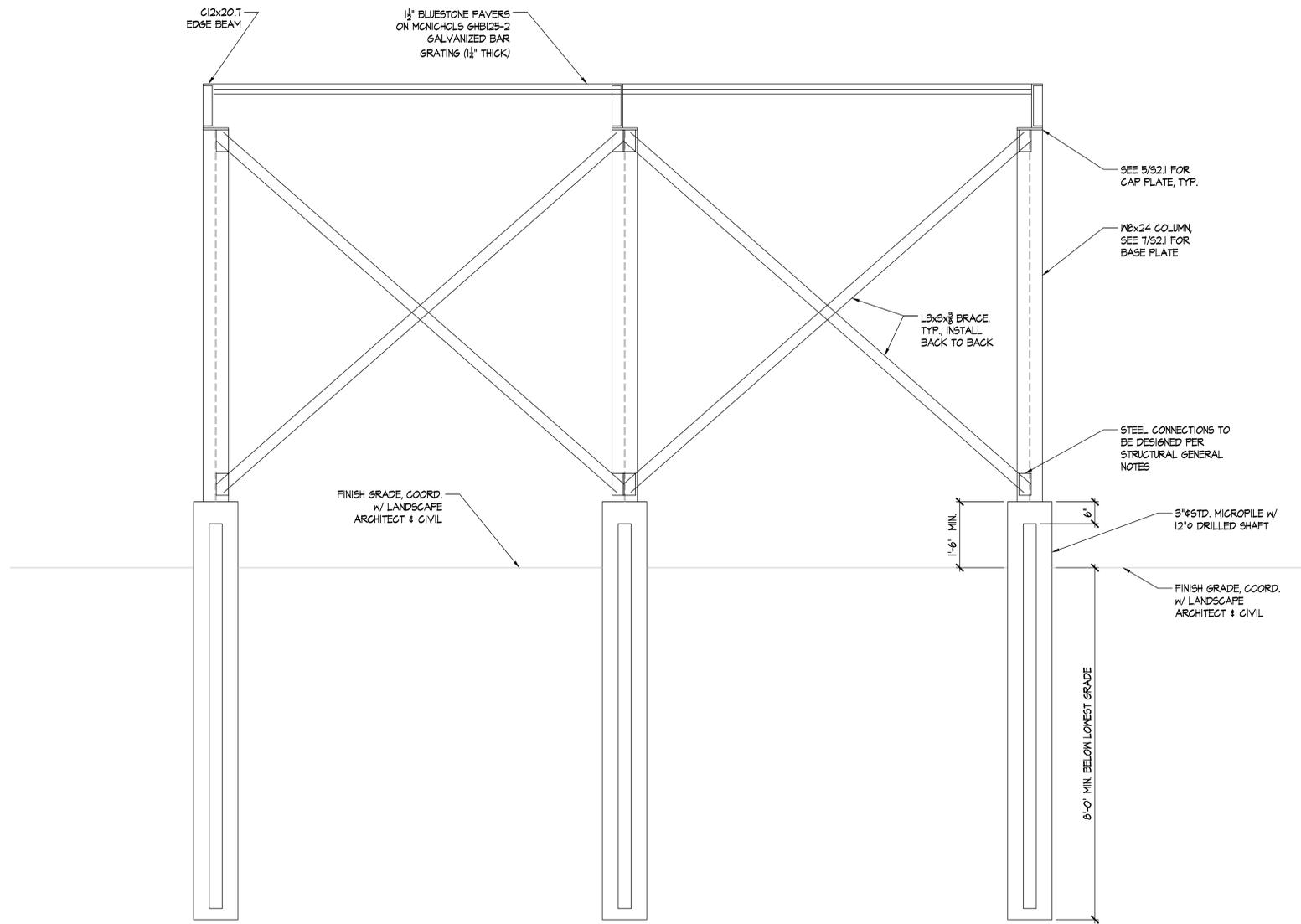
SEAL
STATE OF ILLINOIS
KENNETH A. VEACH
No. 081-000765
ELMHURST, IL
REGISTERED STRUCTURAL ENGINEER

REVISIONS

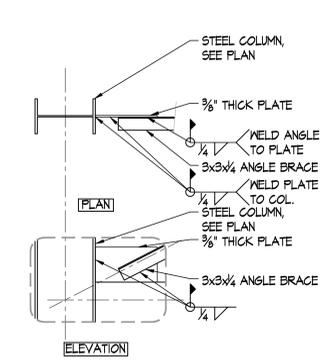
04.01.2025	FOR REVIEW
05.24.2025	FOR PERMIT
07.18.2025	FOR PERMIT

TITLE
FOUNDATION DETAILS
DATE: 04.01.2025
DRAWN: JN
JOB NO.: 25057
SHEET NO.: S2.1

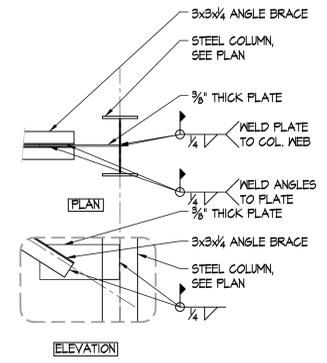




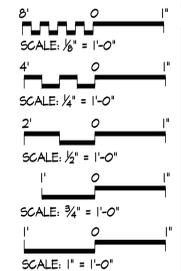
1 LOWER DECK ELEVATION
SCALE: 3/4" = 1'-0"



2 TYP. ANGLE TO COLUMN FLANGE
SCALE: 3/4" = 1'-0"

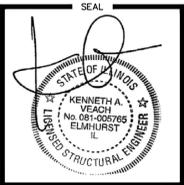


3 TYP. ANGLE TO COLUMN WEB
SCALE: 3/4" = 1'-0"



TERRACE/RETAINING WALL
1215 WHITEBRIDGE
WINNETKA, IL

THE STRUCTURAL SHOP Ltd.
structural engineering
9801 River Street
Schiller Park, IL 60196
Tel: 847.349.1098
Fax: 847.349.1098



REVISIONS	
04.04.2025	FOR REVIEW
05.24.2025	FOR PERMIT
07.18.2025	FOR PERMIT

TITLE
FOUNDATION DETAILS
DATE: 04.01.2025
DRAWN: JN
JOB NO.: 25057
SHEET NO.: S2.2