



David Schoon, Director of Community Development
Village of Winnetka
510 Green Bay Road
Winnetka, Illinois 60093

Dear Mr. Schoon,

On behalf of the Winnetka Park District, I am pleased to submit our application for the Special Use Permit for the Zoning Board of Appeals for the project implementation for Elder Lane Beach, Bluff, and Park improvements. The Winnetka Park District seeks approval of this Special Use Permit to continue its reinvestment in long-term sustainable recreation and open space infrastructure as identified in its approved and previously executed Lakefront Master Plan, Winnetka Waterfront 2030. The Elder Lane beach, bluff, and park improvements will enhance and support the continued successful operation of the recreational swimming beach and parkland.

Major shoreline and bluff stabilization infrastructure seeks to provide a long-term, meaningful strategy to lessen beach and bluff erosion, create and stabilize the beach environment, and meet state and regional lakefront stabilization goals. Additionally, the district seeks to provide meaningful and continuous ADA access to beachfront users of all ages and abilities through a carefully crafted boardwalk system with ADA beach access.

The Winnetka Park District's mission is to provide a balance of quality recreation and leisure opportunities while protecting asset, natural resource, and open space to benefit present and future generations. As a District, we believe the plan outlined in this application meets all the required Special Use Standards and Lakefront and Bluff ordinances that have been put in place to protect one of Winnetka's greatest community assets, its beautiful Lake Michigan Shoreline.

The project team is continuing to prepare the applications for both the Plan Commission and Design Review Board. We will submit those applications before the meeting dates outlined in the special use permit application for the anticipated meeting dates. We'll look for confirmation from the Community Development Department for those dates once those meetings are confirmed. The completion of the Elder Lane Beach, Bluff, and Park improvements will allow the Park District to complete the final lakefront park and move one-step closer to implementing the Winnetka Waterfront 2030 Plan. We look forward to presenting our plan to the Village's governing boards.

Sincerely,

Shannon Q. Nazzal, CPRE
Executive Director
Winnetka Park District



Village of Winnetka, Department of Community Development

Special Use Permit Application for the Winnetka Park District Centennial Park and Beach

Project Description: The Winnetka Park District, as part of their long-term reinvestment strategy to improve and enhance open space and lakefront experiences for Winnetka residents seeks to implement Elder Lane Beach, bluff and park improvements that include access, safety and lakefront bluff and shoreline improvements to their existing swimming beach. These passive recreational pursuits meet the needs of Winnetka residents and provide the following specific initiatives:

- Safety: Sheet piling repairs, hand railings, removal of subsurface water hazards
- Security: Controlled access, pedestrian level lighting, selective vegetation clearing for open site lines
- Access: Improved ADA accessible pedestrian access that accommodates full beach usage. Emergency and maintenance vehicle access to beach areas. Ample seating and viewing opportunities, new pedestrian boardwalk feature and removal of existing pier structure.
- Shoreline Stabilization: Steel sheet pile repairs, armour stone groins with pedestrian access stairs, sheet piling boardwalk with intergraded concrete wave wall, duneland grass plantings, and native bluff land revegetation program.

Zoning Review

Special Use Standards:

- 1. That the establishment, maintenance, and operation of the special use will not be detrimental to or endanger the public health, safety, comfort, morals, or general welfare;**

The Winnetka Park District seeks approval of this Special Use Permit to continue its reinvestment in long-term sustainable recreation and open space infrastructure as identified in its approved and previously executed Lakefront Master Plan, Winnetka Waterfront 2030. The Elder Lane beach, bluff and park improvements will enhance and support the continued successful operation of community desired amenity like the recreational swimming beach. Major shoreline and bluff stabilization infrastructure seeks to provide a long-term meaningful strategy to lessen beach and bluff erosion, create and stabilize beach environment and meet state and regional lakefront stabilization goals. Additionally the district seeks to provide meaningful and continuous ADA access to beachfront users of all ages and abilities through a carefully crafted boardwalk system with ADA beach access ramp.



The proposed improvements for the site are designed in keeping with the Park District Board's May 2023 Resolution and will maintain continuous beach access for all community users or pedestrians who may choose to access Elder Lane Beach from the Lake Michigan shoreline.

- 2. That the special use will not be substantially injurious to the use and enjoyment of other property in the immediate vicinity which are permitted by right in the district or districts of concern, nor substantially diminish or impair property values in the immediate vicinity;**

The site has been and will continue to remain a community open space park under the allowable zoning district and standards that are in place today. The plans for Elder Lane Beach, bluff and park do not alter the overall design charter of the park or its surrounding area context. Furthermore, the plans as identified, seek to make needed public long-term safety, security, access and stabilization improvements to existing site features. The plans as proposed, do not increase programming or the intensity of use on the property beyond those active and passive pursuits that occur there today.

- 3. That the establishment of the special use will not impede the normal and orderly development or improvement of other property in the immediate vicinity for uses permitted by right in the district or districts of concern;**

As noted above the property and its use, features and operations will remain consistent with current Winnetka Park District operations and standards of care. The District seeks to reinvest in much needed long-term improvements that were identified and robustly vetted with significant public input over the past 9 years as part of the Winnetka Waterfront 2030 planning process and several subsequent targeted phases of lakefront plan implementation. Additionally the Winnetka Waterfront 2030 plan, which was funded in part by a Sustainable Shoreline Grant from the Illinois Department of Natural Resources, received thorough review from IDNR and received a Honor Award from the Illinois chapter of the American Society of Landscape Architects. The proposed enhancements were designed with community input and perspective to ensure any improvements are manageable for the site.

A new Special Use Permit is sought in lieu of recently adopted village zoning amendments that seek to protect bluff and beach lands through a Steep Slope ordinance. The Winnetka Park District's plan seeks to maintain the site, its features and programming to the same level of intensity of use as they currently exist. This park and beach area have had no impact on the orderly development upon this or any adjacent sites.

- 4. That adequate measures have been or will be taken to provide ingress and egress in a manner which minimize pedestrian and vehicular traffic congestion in the public ways;**



The proposed site improvements at Elder Lane Park and Beach will in no way impede the normal pedestrian or vehicular activities, access, circulation and flow that occur on or around Elder Lane Park. Pedestrian and vehicular traffic will remain unchanged with the proposed improvements. No on-site parking improvements with the exception of rebuilding the exiting parking lot are included as part of this proposal. Elder Lane already has ample parking for the park site, and even allows for support parking for New Trier High school during of beach season to help relieve congestion for the community. Elder Lane Beach has been a walking destination for the majority of beach users in the Winnetka community, and with the proposed enhancements, we believe it will remain that way.

5. That adequate parking, utilities, access roads, drainage, and other facilities necessary to the operation of the special use exists or are to be provided; and

As noted the proposed plans do not seek to intensify the use and enjoyment of this passive recreational park or beach. Necessary and customary improvements to site access walks, drainage, utilities and landscaping are proposed as part of the planned site improvements or enhancements. Furthermore, the district remains flexible and accommodating to supporting Village-wide storm water strategies and goals for the existing stormwater outflow located at Elder Lane Beach.

6. That the special use in all other respects conforms to the applicable regulations of this and other village ordinances and codes.

The District will comply with all Village regulations, ordinances and codes as required to meet these Special Use and regulatory standards.

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VILLAGE OF WINNETKA, ILLINOIS
DEPARTMENT OF COMMUNITY DEVELOPMENT

SPECIAL USE PERMIT APPLICATION

REQUIRED MATERIALS FOR SUBMISSION

The Applicant must provide 1 hard copy and 1 electronic copy (.pdf), of the following information. (Email electronic copy to aklaassen@winnetka.org).

- ☐ Complete application form (attached);
- ☐ Written application materials. Description of project. Narrative shall provide evidence that the proposed special use will conform to the six (6) standards for granting a Special Use Permit (attached);
- ☐ Deed proving ownership. (Note: Applications involving property held by a land trust must be signed by the trust officer of the institution holding the trust. The names and addresses of beneficial owners and a certified copy of the trust agreement must also be provided).
- ☐ Zoning calculations. Lot coverage and gross floor area calculation worksheets, if work includes modifying amount of impermeable surface area or building area (attached);
- ☐ Traffic study and/or parking study. A traffic study may be required if a proposed use is anticipated to generate levels of traffic that will impact the flow of traffic on surrounding streets or intersections (traffic study guidelines are attached). The traffic study requirement may be waived by the Village Engineer for certain applications where it can be demonstrated that the use will generate minimum traffic impacts. A parking study is generally required to evaluate the availability of parking to serve the proposed use and to evaluate the impact the proposed use may have on availability of parking in the vicinity.
- ☐ Plat of survey. The plat must be accurate and prepared by an Illinois licensed land surveyor. The plat shall not be more than five (5) years old and must show the lot area, legal description, and all current improvements on the property.
- ☐ Project plans. Provide one full size set (to scale) showing the following minimum details:
 - Existing and proposed floor plans showing all levels of the structure being altered, highlighting proposed changes.
 - Exterior Elevations – Provide dimensions, including height from grade. Highlight proposed changes.
 - Site plan – Show and dimension all proposed additions and/or new structures and dimension all distances between the proposed additions and/or structures and the property lines.
 - Other – It may be appropriate to include perspective renderings, site photos, landscape plans or other details depending on the nature of the project.
 - Certificate of Appropriateness – to be reviewed by the Design Review Board.
- ☐ Application fee: \$1,200.00

Summary of process

The Village Planner reviews and processes the application materials. A legal notice is prepared by the Village, published in a local newspaper, and sent to surrounding property owners within 250 feet of the subject property. A public notice sign is also posted on site. The application materials are concurrently distributed to the Village Engineer as well as the Fire and Water & Electric Departments for comment. Application materials and department comments are transmitted in a staff report to the Plan Commission, Zoning Board of Appeals and Design Review Board, which act in advisory capacities to the Village Council.

Meeting notes

Applicants and/or their representative are required to attend the Plan Commission, Zoning Board of Appeals, and Design Review Board meetings in order to present their request and address issues raised by Commission and

Board members. All special use permits require final approval by the Village Council. Please refer to the following schedules of meetings and submittal deadlines:

ZONING BOARD OF APPEALS	
MEETING DATE	SUBMITTAL DEADLINE
January 8, 2024	December 6, 2023
February 12, 2024	January 10, 2024
March 11, 2024	February 7, 2024
April 8, 2024	March 6, 2024
May 13, 2024	April 10, 2024
June 10, 2024	May 8, 2024
July 8, 2024	June 5, 2024
August 12, 2024	July 10, 2024
September 9, 2024	August 7, 2024
October 14, 2024	September 11, 2024
November 11, 2024	October 9, 2024
December 9, 2024	November 6, 2024

PLAN COMMISSION	
MEETING DATE	SUBMITTAL DEADLINE
January 24, 2024	December 20, 2023
February 28, 2024	January 24, 2024
March 27, 2024	February 21, 2024
April 24, 2024	March 20, 2024
May 22, 2024	April 17, 2024
June 26, 2024	May 22, 2024
July 24, 2024	June 19, 2024
August 28, 2024	July 24, 2024
September 25, 2024	August 21, 2024
October 23, 2024	September 18, 2024
November 20, 2024*	October 16, 2024
December 18, 2024*	November 13, 2024

DESIGN REVIEW BOARD	
MEETING DATE	SUBMITTAL DEADLINE
January 18, 2024	December 28, 2023
February 15, 2024	January 25, 2024
March 21, 2024	February 29, 2024
April 18, 2024	March 28, 2024
May 16, 2024	April 25, 2024
June 20, 2024	May 30, 2024
July 18, 2024	June 27, 2024
August 15, 2024	July 25, 2024
September 19, 2024	August 29, 2024
October 17, 2024	September 26, 2024
November 21, 2024	October 31, 2024
December 19, 2024	November 26, 2024

VILLAGE OF WINNETKA, ILLINOIS
DEPARTMENT OF COMMUNITY DEVELOPMENT

SPECIAL USE PERMIT APPLICATION

Case No. _____

Property Information

Site Address: 299 Sheridan Road, Winnetka Illinois 60093

Applicant Information

Name: Winnetka Park District
Primary Contact: Costa Kutulas
Address: 1380 Willow Road
City, State, ZIP: Winnetka, IL 60093
Phone No. 847-501-2052
Email: ckutulas@winpark.org

Architect Information

Name: The Lakota Group
Primary Contact: Scott Freres
Address: One East Wacker Dr. Ste 2700
City, State, ZIP: Chicago, IL 60601
Phone No. 312-467-5445
Email: sfreres@thelakotagroup.com

Owner Information

Name: Winnetka Park District
Primary Contact: Shannon Nazzal
Address: 540 Hibbard Road
City, State, ZIP: Winnetka, IL 60093
Phone No. 847-501-2074
Email: snazzal@winpark.org

Attorney Information

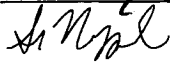
Name: Ancel Glink
Primary Contact: Adam Simon
Address: 175 E. Hawthorn Parkway, Suite 145
City, State, Zip: Vernon Hills, IL 60061
Phone No. 847-247-7400
Email: asimon@ancelglink.com

Applicant Signature: _____



Date: 09/16/2024

Property Owner Signature: _____



Date: 09/16/2024

Printed Name of Owner: Shannon Nazzal

V I L L A G E O F W I N N E T K A , I L L I N O I S
DEPARTMENT OF COMMUNITY DEVELOPMENT

SPECIAL USE PERMIT STANDARDS

Explain in detail how the proposed special use meets the following standards. Under the terms of the Zoning Ordinance, no Special Use Permit shall be granted unless it is found:

1. That the establishment, maintenance, and operation of the special use will not be detrimental to or endanger the public health, safety, comfort, morals, or general welfare;
2. That the special use will not be substantially injurious to the use and enjoyment of other property in the immediate vicinity which are permitted by right in the district or districts of concern, nor substantially diminish or impair property values in the immediate vicinity;
3. That the establishment of the special use will not impede the normal and orderly development or improvement of other property in the immediate vicinity for uses permitted by right in the district or districts of concern;
4. That adequate measures have been or will be taken to provide ingress and egress in a manner which minimize pedestrian and vehicular traffic congestion in the public ways;
5. That adequate parking, utilities, access roads, drainage, and other facilities necessary to the operation of the special use exists or are to be provided; and
6. That the special use in all other respects conforms to the applicable regulations of this and other village ordinances and codes.

Winnetka Park District - Special Use Permit Application Narrative for Elder Lane Park and Beach Project – September 16, 2024

Introduction

The Winnetka Park District (the "District") is seeking a Special Use Permit, exceptions from the Steep Slope Regulations and related Variances to allow the construction, maintenance and operation of proposed improvements at Elder Lane Park and Beach as outlined in the enclosed plans. The District proposes the improvement project for Elder Lane Park and Beach to implement the Winnetka Waterfront 2030 Master Plan with goals to protect and improve access and safety for the community.

Relief Requested

1. Under the Winnetka Zoning Ordinance, a “nonessential public use” includes a use affected with the public interest, regardless of ownership, including uses owned and operated by local governments other than the Village. Section 17.56.020 of the Winnetka Zoning Ordinance establishes nonessential public uses as special uses in all districts within the Village. Consequently, the Park District is seeking an amendment to the existing Special Use Permit to ratify and expand the public recreational use of Elder Lane Park and Beach within the R-2 single-family residential district.
2. The project outlined in the plans meets some of the requirements outlined in the recently enacted Steep Slope Regulations, codified at Chapter 17.82 of the Winnetka Zoning Ordinance. As permitted by Section 17.82.110, the submitted Special Use Permit application also asks for “exceptions” from Chapter 17.82 for items included in the plan that protect the beach, bluff, and table land for the Elder Lane Park and Beach site.
3. Section 17.30.050.C.7 of the Winnetka Zoning Ordinance establishes the front yard setbacks for lakefront properties. The regulation states the required front yard setback is the toe of the bluff or 50 feet from the ordinary high-water mark, whichever results in the line farthest from the ordinary high-water mark. The District’s proposed plans include improvements which do not otherwise qualify as permitted obstructions in required yards, as defined by Section 17.130.130.A. For those improvements we are requesting variances to permit construction as presented in the plans.

Background

The redevelopment planning of Elder Lane Park and Beach began in 2014 with the District’s Winnetka Waterfront 2030 Master Planning process. When the Winnetka Waterfront 2030 Plan was adopted in 2016, it set the stage for the District's investment in the lakefront. The initiatives and founding pillars of that plan, along with the near-all-time high lake levels from 2020, have made this project a priority for the District. The Winnetka Park Board has been invested in this

project for several years and they have not wavered from the responsibility to protect the beach and bluff for future generations to come. This narrative supports the District's application by demonstrating that the proposed Elder Lane Park and Beach project meets the standards for granting a Special Use Permit and the related exceptions and variances. Additionally, the narrative outlines access and operational details, and provides a clear overview of the project's components and intended use. The District is excited for the opportunity to meet with each one of the different review boards and commissions, not only to present the project but also to tell the story of why this is a wonderful opportunity to allow the District to reinvest in one of the greatest amenities that Winnetka has to offer its residents.

In Section 17.56.120 of the Winnetka Zoning Ordinance, the Special Use Permit process outlines six standards that must be met and reviewed by each review board and commission as a condition of granting a Special Use Permit. This narrative shows that the District is proposing a project that clearly and unequivocally meets those standards and has been well-vetted with public input and feedback from the community every step of the way.

In Section 17.60.040 and 17.60.050 of the Winnetka Zoning Ordinance it describes the evidence to be presented in support of a variance application and the standards for granting such relief. This narrative summarizes the facts in support of the District's application to construct improvements within the front yard of Elder Lane Park and Beach facing Lake Michigan, as defined by Section 17.30.060 of the Winnetka Zoning Ordinance. The District's application shows it clearly satisfies all the evidentiary standards.

Project Summary

The Elder Lane Park and Beach project (the "Project"), is designed with a clear purpose to protect the bluff and tableland from erosion due to high lake levels and waves, remove damaged infrastructure, improve site access and accessibility and create greater lake access for all community member. The District is proposing to restore and improve a public beach for both swimming and recreational uses.

The Project was designed while considering many factors, including (1) maintaining Elder Lane Beach as a swimming beach, (2) removing the damaged infrastructure and reopening the beach for the community, (3) the existing uses of nearby properties, (4) protecting and enhancing neighborhood property values, (5) promoting the public's health, safety and welfare, (6) the suitability of the property for the proposed uses and improvements, (7) the amount of time the beach has been closed due to shore erosion, and (8) the community's expressed desire for the proposed use. The Project also considers accessibility, newly adopted Village of Winnetka ordinances, County, State, and Federal laws and regulations, ongoing and future maintenance needs, community input and low impact to the community.

The Project which is proposed for Elder Lane Park and Beach includes a range of elements, such as:

- Swimming Beach;
- Bluff clearing and restoration;
- New steel sheet pile bulkhead;
- Accessible boardwalk;
- Armor stone groin abutting the north property line;
- Half width armor stone abutting the south property line steel groin;
- Wave wall;
- ADA beach ramp;
- Beach nourishment;
- Beach stairs;
- Low level safety bollard lighting;
- Boardwalk access staircase;
- Reconfigured beach access drive and retaining wall;
- Reconfigured paver walkway; and
- Renovated parking lot.

These elements are divided into two sections for zoning review: Chapter 17.30, Section 17.30.050 Front and Corner Yard Setbacks, and Chapter 17.82, Section 17.82.040 Development in Steep Slope Zone. The variations and exceptions being requested are outlined in the narrative and the chart titled "Proposed Project Elements" and can be viewed in the final plans submitted with the Special Use Permit application.

Project Elements

Swimming Beach: Elder Lane Beach has been a swimming beach for the community for decades. The proposed swimming beach will operate to the same standards as before and will mirror our other swimming beaches, such as Tower Road Beach or Maple Street Beach. The proposed swimming beach is approximately 340 feet in length.

The proposed sand elevations, compared to the new proposed boardwalk, start 3' below the eastern most elevation of the boardwalk. Moving east, the sand profile gradually drops to the water level.

The anticipated use for the swimming beach includes swimming, sunbathing, passive recreation activities, sandcastle building, and other activities you would expect on a public beach. Currently, there is no proposed sailing, kayaking, paddle boarding, or other activities that include using a boat or watercraft of any kind.

Below is a list of the current beach rules we anticipate enforcing at Elder Lane Swimming Beach.

Swimming Beach Rules: The following regulations will be implemented by the Winnetka Park District staff during hours of operations to ensure that all beach users will be able to use, understand and will follow all rules when they are at the beaches. These rules may be modified from time to time based on changes including but not limited to local, state or federal laws.

1. Hours of Operation are 9am to dusk.
2. When lifeguards are not present, swimming is not allowed.
3. Swimming is allowed only in the supervised swimming areas as posted at each beach.
4. Parents and guardians are responsible for the supervision of children.
5. Children 9 and under must be accompanied by an adult.
6. Coast Guard approved life jackets are allowed when the child is within arm's reach of their parent. All other floatation devices are not allowed.
7. No scuba or snorkeling equipment is allowed.
8. Children who are not toilet trained must wear tight fitting plastic pants or swim diapers.
9. Beach facilities will be closed whenever water is considered unsafe by Health Department guidelines.
10. There is no roughhousing or horseplay allowed. Lifeguards will enforce this rule to ensure the safety of others.
11. No skateboards, bicycles, roller skates, or similar items allowed at beach.
12. No throwing rocks or sand in the swimming areas.
13. No jumping off piers.
14. No fires, including grills, are allowed on the beach.
15. Glass containers are not allowed on the beach.
16. No alcohol is allowed on the beach.
17. Smoking is prohibited at all Winnetka Park District facilities.
18. Dogs are only allowed at Centennial Dog Beach. Village Ordinance #504 will be enforced.
19. Motorized vessels are only allowed at Lloyd Boat Launch.
20. Non-motorized vessels are only allowed at Lloyd Boat Launch.
21. The Village of Winnetka Police Department maintains a regular patrol of the beach and enforces all Park District ordinances.
22. All other state and local health codes apply.

We anticipate operating the Elder Lane Swimming Beach from May 25 to September 2 (estimated) from year to year, and the beach would be staffed with personnel during the hours of operations for those dates. The beach would be closed off season (prior to May 25, and after September 3) for swimming but still open for beach goers to enjoy the beach.

There is no zoning relief needed for the swimming beach, this was to provide an explanation of routine, daily operations

Variations for Section 17.30.050 Front and Corner Yard Setbacks

As outlined in Chapter 17.30, Section 17.30.050(C) (7) Front yard setback for Lakefront Properties, it's noted that the required front yard setback is the toe of the bluff or 50 feet from the ordinary high-water mark, whichever results in the line farthest from the ordinary high-water mark. Nonetheless, Section 17.30.130(A) describes permitted obstructions in required yards. Village staff have issued an opinion that the District's vertical improvements in the front yard are characterized as either a wall or a fence, as described in Section 17.30.130(A)(10). The work proposed in the lakeward front yard includes the following elements: (A) Boardwalk with Type A handrail (fencing), (B) beach ADA/maintenance access ramp with handrailing, beach access stair with hand railing and (C) two (2) stone groin structures: one adjacent to the north property line and a second half stone groin which is built against the existing steel groin on the south property line. This opinion assumed for Elder Lane Park and Beach Project though not confirmed by the Village at this time. Based on the Districts review of these sections and code interpretation of Village Staff of "Type B" handrails from the Centennial Park and Beach project submittal, only element "A" Boardwalk with Type A Handrail will require a variance. The improvements listed below are those elements of the project that fall within the Front Yard described in Section 17.30.050(C)(7) of the zoning code.

A. Elevated Boardwalk: As discussed previously, the District intends to create a boardwalk element at the Elder Lane Beach site to serve several functions. The boardwalk will maintain some of the existing shore protection for the Elder Lane Park bluff and protect against bluff erosion by using the existing steel sheet pile seawalls installed in 1987. The boardwalk will connect to the existing walls and replace the gabion baskets and concrete foundations with new steel sheet piling that will form the foundation for the new boardwalk element. This will provide a continuous line of defense against future bluff erosion while establishing a foundation for additional improvements, including ADA accessible paths, and beach and pier amenities. The boardwalk also doubles as a recreational platform to allow greater access to the beaches and help delineate the beach elements.

Set at a base height of 6.2 feet above grade (current beach elevation) on the north side of the current pier, and 5.2 feet above grade (current beach elevation) on the south side of the existing pier the boardwalk finishes at a height of 9.7 feet (including the 42 inch tall type A handrail). The boardwalk is set at 38 inches above the final sand nourishment (measurement without hand railing) and is pitched minimally to allow storm water runoff from the structure. At an elevation of 588.20' adding the Type A handrail brings the final height to 591.7', which is 9.7' above the exiting sand elevation. The boardwalk is built by installing steel sheet piling which is driven in the clay to maintain the shore protection for the bluff and partially backfilling with angular stone and capped with a thickened concrete slab. To help soften the feel for the boardwalk, the concrete will be tinted with a color additive used in other concrete areas across the site, to provide a seamless aesthetic throughout the site. The section north of the bluff staircase will be further distinguished with stamped concrete in a wood decking pattern to give the appearance of natural wood. The final result will achieve a weathered lpe wood aesthetic to match the style of the bluff staircase which will land just north of the beach house in the current stair location. The boardwalk runs for a total length of 360', with integrated concrete wave wall with integrated lpe wood benches. The wave

wall replaces the existing gabion baskets and creates an elevated separation above the boardwalk, and serves as primary shore protection with the boardwalk structure. The wave wall is set at an elevation of 592' that allows the bluff slope to be reduced helping address concerns around the steepness of the slope. Benches are provided on the boardwalk to allow beach goers the opportunity to sit and relax on the boardwalk while enjoying the lake environment. There are also six (6) low level LED bollard light fixtures that will be installed for safety and security. Lights will be designed to minimize light pollution and focus on safety. The boardwalk also serves as the accessible transition route planned to ADA standards for the public to use and access the swimming beach and the Elder Lane Beach House. Due to the height difference, the District is looking for a variance for this improvement. The completed stamped drawing set has been included for final review by the Village.

As outlined in the "Proposed Project Elements Chart", the maximum variation requested is 3.2' over the allowed 6.5' height as measured from the existing grade. Please note, as part of our overall proposed plan, the District has included sand nourishment for the beach and once completed the overall height variances will drop to 6.5' overall height, which is within the acceptable, limits for permitted front yard encroachments under the zoning requirements. The District, through its consultants, designed this element while listening to feedback from the community and with what would be minimally required from a coastal engineering perspective.

Based on the information and the zoning requirements, the entire boardwalk will require a variance. Please note that the Hand railing is being identified as a fencing as part of this review. If the handrail can be considered as a handrail and not fencing then the boardwalk would not require a variance.

B. Beach Access Staircase and Beach ADA/Maintenance Access Ramp:

There is a single staircase that can be used to access the beach. The staircase is located near the south end of the boardwalk, and is set at the same elevation of the boardwalk at 588.2'. The staircase proceeds down to the beach with a single landing at 584.12', and continues down to an elevation of 580.03', which will be buried below grade. This is done to allow for the fluctuating lake levels and keep the beach accessible based on the varying sand elevations. The stairs are designed at a width of 5 foot. The overall height for the staircase is 588.2' which is 5.2 feet above the existing sand level. The proposed finished grading height is designed to be 585' which would make the staircase 3.2 feet once completed. The type B handrail was not defined as a fence during the initial Special Use Permit review for Centennial Park and Beach review by village staff. Based on that review we assume that the type B handrail will not be viewed as a fence and if so will not require a variance for this improvement.

To complement the access routing, an ADA accessible concrete ramp has also been included in the design for the swimming beach. The ramp is 10 feet wide to allow access for both beach goers and maintenance equipment. The proposed design allows for maintenance equipment to access the swimming beach to help clean and maintain the beach. The access ramp starts at the same elevation as the boardwalk and has similar zoning restraints at the boardwalk and beach access stairs. The ramp is located near the center of the beach and starts at an elevation of 588.2'. The access ramp proceeds down to the beach with two (2) level landing areas, one at an elevation of 585.7' and the second at an elevation of 583.20'. The ramp terminates at an elevation of 580.7', where it

has a 6' level landing pad. Again, a section of the ramp is designed to be buried initially allowing for future fluctuating sand and water levels for future beach access during those events. The existing sand conditions are between 582.0' and 583.0', creating a height difference of 6.2 feet, which is below the 6.5 foot height requirement limit. Once again based on the interpretation of village staff from the Centennial Park and Beach project review. We assume that this improvement does not require a variance as previously noted.

C. Stone Groin Structures: The district is proposing to include two stone groin elements as part of the project. Please note due to the proposed elevations of these structures neither structure is higher than 4.5 feet above the ordinary high water mark (OHWM). The North structure is set at an elevation of 586' and tapers down to an elevation of 585' with a 1 foot drop along the length of the 219' structure. There is an integrated natural stone stair included in the structure 50 feet off the steel seawall to the west. These steps are included to allow beach goers to cross the beach unimpeded to and from the north. This structure is also anticipated to be the new conveyance to allow for the current Elder Lane Storm sewer to be relocated from the existing pier structure in the center of the beach to the north. The current plans include a manhole structure for the upstream water to be received and then run through the stone structure via two (2) 36" HDPE pipes and discharge out into the lake at the eastern end of the groin. This proposed stormwater system is currently being studied by the Village of Winnetka, and to date we are waiting for direction from the Village of Winnetka regarding the routing and conveyance piping size and type to be able to complete this portion of the Elder Lane project. The need to relocate this stormwater outfall was suggested during the initial project review and then reaffirmed by the Village of Winnetka, when they had suggested to the district that the existing pier structure should be removed as part of our project at Elder Lane Beach.

The second groin is designed at an elevation of 583' at the lakeward end and tapers up to an elevation of 585' where it abuts the proposed boardwalk structure. This stone groin is being built off of the existing steel groin which is adjacent to the south property line of the site. The structure will include natural stone steps set approximately 35 feet east of the new boardwalk to allow for the public to continue walking south of Elder Lane beach. The stone groin is designed with a small 15 foot north buildout to allow for greater sand retention for the beach. With the removal of the existing pier and steel groin in the mid-beach location, and installation of armor stone to the south steel groin, the risk of rip currents is reduced as well. Again due to the proposed height of both of these structures, no zoning variance is required at this time.

Exceptions from Section 17.82.040 Development in Steep Slope Zone & Variations for Section 17.30.050 Front and Corner Yard Setbacks

After reviewing the zoning standards, there is only one project element which falls within the combined zoning for both the Front Yard Setback requirements and the slope impact area. The park staircase is split within these zones. The notes below outline the stairs and how they fall within the zoning code.

Bluff Staircase to Park: (from the existing park sidewalk to the Boardwalk) To provide a more

direct route to the proposed boardwalk the Plan includes a set of stairs that allow a person to walk down a staircase from the upper park sidewalk to the proposed elevated boardwalk. This staircase follows the design details from the existing staircase at Centennial and our Tower Road staircase, which utilizes an elevated platform built on helical piers that suspend over the bluff, allowing an individual to access the beach down an Ipe wood staircase with black powder-coated metal railings. The proposed staircase has a single landing platform at an elevation of 600.08'. The staircase is designed with 42" tall black Type A handrails with a horizontal top rail and .75" square tubing used to complete the horizontal rails on both sides of the access stairs from the intersection with the upper park sidewalk to the boardwalk. The 5 foot wide access stair starts at an elevation of 589' and transitions to a top elevation of 610' with a single landing platform as mentioned previously. The top of the stairs has a long elevated walkway which is approximately 40 feet long. Based on the review of the ordinance, this section of the staircase would be classified as a deck. Based on our structural engineering and design, we feel this section of the stair could be approved by the Village Engineer once the structural engineering is reviewed. The staircase sits above the bluff and is supported by helical piers. The proposed design was completed by structural engineers, who completed a similar design at the Tower Road bluff in 2019-2020. Based on the design, size of the landing areas, and where it falls within the front yard setback and steep slope zone, the staircase design meets the requirements for both sets of regulations. The total square footage of this deck (upper walkway) is greater than 50 square feet, requiring a review by the Village engineer based on the structural engineering, stormwater management and vegetation review of the proposed site improvement.

Variations for Section 17.82.040 Development in Steep Slope Zone

The Access Drive and bluff clearing and restoration listed below are the remaining project improvements that falls within the zoning requirements for section 17.82.040 Development in Steep Slope Zone.

Access Drive: (Upper parking lot to concrete pier/boardwalk area) The proposed access drive is a rework of the existing access drive to decrease the drive's slope and turning radius while widening the width for access to the beach. The proposed drive is 16.5 feet wide from curb to curb vs. the previous width of 12'. The turning radius was widened to allow for greater access for life safety vehicles and maintenance equipment. The slope for the access drive was also reduced to a max slope of 16% at the steepest point, while the majority of the ramp is set at 7% or less. To accomplish this improved access drive, the existing concrete retaining wall is proposed to be removed and a new steel sheet pile retaining wall, with a concrete form liner and concrete cap is proposed. The new wall will be built on the west side of the access drive starting at the table land at a height of 1.7 feet to a maximum height of 5.3 feet approximately two thirds of the way down the access drive and finally finishing at a height of 5.25 feet as it ties into the existing retaining wall near the beach house. There is a concrete gutter that is proposed on the back of the wall funneling the upslope stormwater to the storm swale to the north. Since the width of the new access drive is wider than the existing access drive, we called out this element for review based on the need for larger retaining walls and backfilling for the retaining wall as a best practice. We are confident the design of this improvement will meet the Village Engineer's review, but if it does not, we would be looking for an exception for this improvement within the slope impact area.

Bluff Clearing and Restoration: The bluffs will undergo an extensive clearing of *invasive* species and dead and dying trees to improve the overall health of the vegetated environment. The proposed work is outlined in the attached plans, sheets C352, C354, C371-C374. An estimated 0.51 acres of *invasive and noxious* species control is proposed to be completed on the Elder Lane Park bluff. There are approximately 48 different target invasive species identified on the removal list. This list includes a handful of various deciduous tree species that can be detrimental to the bluff environment if left uncontrolled and unmonitored. The plan outlines the four different restoration zones and strategic planting plans, dependent on the impact of construction and best management practices for each bluff zone. These four zones include the bluff restoration zone (23,800 sq. ft.), the green gabion wall zone (3,200 sq. ft.), the dune grass planting zone (800 sq. ft.), and the turf restoration zone (31,162 sq. ft.). All of these different zones combined account for the required installation and long-term maintenance to reestablish the bluffs and repair disturbed areas affected by construction. As part of the slope planting, the seed and plugs will be covered with a two-layer erosion control fabric while the plant material is established to minimize erosion. To replace the trees removed from the bluff, we will re-plant nearly 21 caliper inches of new trees on site, and the remaining replacement caliper inches at other park locations within the agency. This entire process will allow for greater views and vistas of the lake, one of the highest-ranked pillars of the Waterfront 2030 Lakefront Master Plan and a point of emphasis from public input.

Standards for Granting a Special Use Permit

As a preliminary statement, a refusal to grant a Special Use Permit for the District to provide park and recreational uses on Elder Lane Park and Beach will frustrate the essential purpose and statutory function of the District. Moreover, the District is not proposing to change the essential character of the subject property, which will continue to provide community access to active and passive recreational activities along the lakeshore. The District has taken great care to plan this project and has accepted and considered the public comments it received for over two years. Based on the feedback received, a failure to issue a Special Use Permit will frustrate the community's interest and deny our shared residents a lakeshore amenity for which they have expressed a desire to see completed.

- 1. That the establishment, maintenance and operation of the special use will not be detrimental to or endanger the public health, safety, comfort, morals, or general welfare;**

The proposed improvements to the existing Special Use Permit will not be detrimental to or endanger the public health, safety, comfort, morals, or general welfare of the community. Rather, the proposed improvements are compatible with the community and will enhance the general welfare by improving the applicants' facilities and the quality of the applicants' programming in service of the community.

The Applicant does not intend to expand the scope of its programming in connection with the Project from activities that have previously been provided at the park and beach. The

Applicant only needs to apply for a Special Use Permit because of amendments to the Zoning Ordinance which were approved after the establishment of Elder Lane Park and Beach as a public amenity.

The proposed improvements are designed to complement and enhance the existing park and beach environment. Features such as the swimming beach, elevated boardwalk, stone groin structures and ADA beach access ramp are strategically located to minimize impact on neighboring properties while enhancing the park's role as a community asset.

The proposed improvements also result in the implementation of the Winnetka 2030 Waterfront Master Plan. The Lakefront Master Plan has been adopted and endorsed by the Village of Winnetka Comprehensive Plan, which provides further evidence the proposed improvements are compatible with and will enhance the public health, safety, comfort, morals, or general welfare.

2. That the special use will not be substantially injurious to the use and enjoyment of other property in the immediate vicinity which are permitted by right in the districts or districts of concern, nor substantially diminish or impair property values in the immediate vicinity;

For the same reasons, the Proposed Improvements will not be substantially injurious to the use and enjoyment of other properties in the immediate vicinity or substantially diminish or impair property values in the immediate vicinity. First and foremost, the beach has existed in this location for decades and the public's use of the park and beach has had no negative impact on the enjoyment of any private property or property values in the immediate vicinity.

As described above: (i) the Proposed Improvements and the Programming are compatible with the mix of uses in the vicinity of the Property; (ii) the height, bulk, and density of the Elder Lane Beach and Park improvements are compatible with the height, bulk, and density of shoreline improvements on Lake Michigan and are designed to fit within the R-2 District; and (iii) the Proposed Improvements will not increase vehicular traffic or parking demand in a manner that would be injurious to the use or reduce the property values of neighboring properties.

3. That the establishment of the special use will not impede the normal and orderly development or improvement of other property in the immediate vicinity for the uses permitted by right in the districts or districts of concern;

The Proposed Improvements will not impede the normal and orderly development or improvement of other properties in the immediate vicinity. The Proposed Improvements do not change the essential nature of the property as a public park that provides community access to Lake Michigan. As a result, the proposed improvements will not change the park and beach's impact on development. Moreover, the surrounding area is already developed. If development sites become available, the Proposed Improvements

will not discourage additional development in the area because the Proposed Improvements will not change the essential character of the property nor negatively impact surrounding properties or the general welfare of the community (as discussed above).

4. That adequate measures have been or will be taken to provide ingress and egress in a manner which minimize pedestrian and vehicular traffic congestion in the public ways;

Existing traffic and parking infrastructure is sufficient to minimize pedestrian and vehicular traffic congestion in the public ways. As discussed above, the Applicant does not expect the Proposed Improvements to create new parking demand or materially increase traffic. The existing and proposed parking supply provides adequate capacity to accommodate vehicular traffic generated by the Applicant's programming without causing unreasonable congestion in the right-of-way. The beach site is a walking destination for most of the community, and the Elder Site already had plenty of parking available.

5. That adequate parking, utilities, access roads, drainage, and other facilities necessary to the operation of the special use exists or are to be provided; and

At this time, the existing parking, utilities, access roads, drainage, and other facilities necessary for the Proposed Improvements are adequate. The Property is served by all existing utilities and drainage necessary to operate the Proposed Improvements. The Proposed Improvements do not require additional utilities or facilities to support the project. There are plans to work with the Village of Winnetka to help support stormwater improvements for the greater community. Most recently, at the September 10, 2024, Village Council Study Session, the stormwater study consultant provided to the Village Council that the stormwater improvements proposed by the District including outfall location and pipe size, would be adequate for the future needs of the community.

6. That the special use in all other respects conforms to the applicable regulations of this and other village ordinances and codes.

Except for the Variations and Exceptions (described on the Chart Titled "Proposed Project Elements), the Proposed Improvements will conform to all applicable regulations of the Zoning Ordinance and other Village ordinances and codes. Moreover, Section 17.56.020 of the Winnetka Zoning Ordinance establishes nonessential public uses as special uses in all districts within the Village.

Standards for Granting a Variation

1. The property in question cannot yield a reasonable return if permitted to be used only under the conditions allowed by the regulations in that district

Because the Property is owned by the District, a public entity, the conventional interpretation of this criteria is not germane to this application. The District does not operate property with an aim

to obtaining a reasonable return, but for the purpose of providing park and recreational amenities for the use and enjoyment of the community. The proposed improvements will clearly enhance the public's use and enjoyment of Elder Lane Park and Beach and benefit the public's health and welfare.

2. The plight of the owner is due to unique circumstances;

The Front Yard setback regulations are designed for a residential zoning district. Because the property is not used for residential purposes, the variances needed for the Project result from unique circumstances that are not generally applicable within the R-2 zoning district. The improvements located in the front yard setback area for which variances are required have been designed in response to community interest to minimize their height and maximize the visual aesthetics of the lakefront environment so the degree of incompatibility with the front yard setback regulations has been minimized.

3. The variation, if granted, will not alter the essential character of the locality;

The current use of the property is a park and beach. With the variations, the proposed improvements will permit the property to continue to be used as a park and beach, but with enhanced access to the lakefront for patrons of all abilities. The variations will most definitely not alter the essential character of the property and the locality.

4. An adequate supply of light and air to adjacent property will not be impaired;

The Project will result in no impairment to the supply of the light and air to adjacent property because all the proposed improvements within the front yard setback area for which variances

are required are built to maximize views of Lake Michigan and minimize their height. The improvements do not cause any shadows or encroachments on adjoining parcels.

5. The hazard from fire and other damages to the property will not be increased;

The design, nature and building materials used for the proposed improvements in the front yard setback area for which variances are required will not increase any hazard from fire or other damages to the property.

6. The taxable value of land and buildings throughout the Village will not diminish;

The proposed improvements in the front yard setback area for which variances are required will not diminish the taxable value of land and buildings in the Village. Just the opposite, the creation of an enhanced beach is an additional community amenity that will make Winnetka a more attractive place to live and enhance property values.

7. The congestion in the public street will not increase;

The proposed improvements in the front yard setback area for which variances are required will not result in an increase in congestion in the public streets nearby. The District has adequate off-street parking to accommodate patrons at the park and beach.

8. The public health, safety, comfort, morals and welfare of the inhabitants of the Village will not be otherwise impaired.

The proposed improvements in the front yard setback area for which variations are required will not be detrimental to or endanger the public health, safety, comfort, morals, or general welfare of the community. Rather, the proposed improvements are compatible with the community and will enhance the general welfare by improving the District's facilities and the quality of the applicants' programming in service of the community.

Conclusion:

The Elder Lane Park and Beach project is designed to restore and significantly enhance existing community recreational opportunities while ensuring environmental stewardship and public safety. By meeting the six standards for a Special Use Permit, addressing review comments, and providing detailed operational plans, the project is positioned to serve as a valuable community asset for generations to come. The District looks forward to presenting this project to required boards and commissions in the near future to continue the process of making these much-needed beach improvements a reality for the community.

THIS INDENTURE made this 6th day of December

in the year of Our Lord One Thousand Nine Hundred and Twenty One, between the Village of Winnetka, a municipal corporation in the County of Cook and State of Illinois, party of the first part, and the Winnetka Park District, a municipal corporation in the County of Cook and State of Illinois, party of the second part, WITNESSETH:

That the said party of the first part, for and in consideration of the sum of One Hundred Ninety Five Dollars (\$195.00) in hand paid by the said party of the second part, the receipt whereof is hereby acknowledged, has and by these presents does remise, release, alien and convey unto the said party of the second part and to its successors and assigns forever, all the following described piece or parcel of land situated in the Village of Winnetka, County of Cook, State of Illinois, and known as and described as follows, to-wit:

The North One (1) foot of Lot Four (4) in the re-subdivision of Blocks One (1), Two (2), Three (3) and Four (4), and the vacated street known as Bellevue Place lying between Blocks One (1) and Two (2) on the east and Blocks Three (3) and Four (4) on the west, in the Lake Shore Subdivision in Section Twenty-one (21), Township Forty-two (42) North, Range Thirteen (13), East of the Third Principal Meridian, in Winnetka, Cook County, Illinois,

together with all and singular the hereditaments and appurtenances thereunto belonging or in any wise appertaining and the remainder and remainders, rents, issues and profits thereof and all the estate right, title, interest, claim or demand whatsoever of the said party of the first part, either in law or equity, of in and to the above described premises with the hereditaments and appurtenances to have and to hold the said premises above described with the appurtenances unto the said party of the second part, its successors and assigns forever.

granted are, or may be, in any manner encumbered or charged; and that the said premises against all persons lawfully claiming or to claim the same by it or under it, it the said Village of Winnetka, will warrant and forever defend as against its own acts committed during the time it was seized of said premises.

IN WITNESS WHEREOF, the said party of the first part has caused these presents to be executed by its President pursuant to a resolution of the Council of the Village of Winnetka duly passed on the 6th day of December A. D. 1921, and has caused the same to be attested by its Village Clerk and the corporate seal of said Village hereto attixed the date and year first above written.

Village of Winnetka
by John S. Miller, Jr.

John S. Miller, Jr. (SEAL)
President of the Village of
Winnetka, Cook County, Illinois.

Stella Winslow
Village Clerk, Winnetka,
Cook County, Illinois.

STATE OF ILLINOIS)
) SS.
COUNTY OF COOK.)

I, John S. Miller, Jr. a Notary Public, in and for said County in said State, do hereby certify that John S. Miller, Jr., President of the Village of Winnetka, Cook County, Illinois, and Stella Winslow, Village Clerk of the Village of Winnetka, Cook County, Illinois, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this

granted are, or may be, in any manner encumbered or charged; and that the said premises against all persons lawfully claiming or to claim the same by it or under it, it the said Village of Winnetka, will warrant and forever defend as against its own acts committed during the time it was seized of said premises.

IN WITNESS WHEREOF, the said party of the first part has caused these presents to be executed by its President pursuant to a resolution of the Council of the Village of Winnetka duly passed on the 6th day of December A. D. 1921, and has caused the same to be attested by its Village Clerk and the corporate seal of said Village hereto affixed the date and year first above written.

Village of Winnetka
-by-

John S. Miller, Jr. (SEAL)
President of the Village of
Winnetka, Cook County, Illinois.

ATTEST:

Stella Winslow
Village Clerk, Winnetka,
Cook County, Illinois.

STATE OF ILLINOIS)
COUNTY OF COOK.) SS.

I, Charles H. Hie a Notary Public, in and for said County in said State, do hereby certify that John S. Miller, Jr., President of the Village of Winnetka, Cook County, Illinois, and Stella Winslow, Village Clerk of the Village of Winnetka, Cook County, Illinois, personally known to me to be the same persons whose names are subscribed to the foregoing instrument, appeared before me this day in person and respectively acknowledged that they signed, sealed and delivered the said instrument as the free and voluntary act of the Village of Winnetka, and as their free and voluntary act respectively, pursuant to a resolution of the Council of the Village

of Winnetka duly passed, for the uses and purposes therein set forth.

Given under my hand and notarial seal this ^{6th} day of December, A. D. 1921. My Commission expires on the 10th day of April, A. D. 1923.



Harold R. Hei
Notary Public
Cook County, Illinois.

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CHARLES S. CUTTING
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SURPLUS \$4,500,000

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Chicago Title and Trust Company

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ROBT. H. MUELLER, ASST. SECRETARY
ALVA J. SHAW, ASST. SECRETARY
NICHOLAS G. IGLEHART, ASST. SECRETARY

Mr. Walter H. Eckert,
1305-130 N. Wells St.,
Chicago, Ill. 503791

April 8, 1920;
GUARANTEE DEPARTMENT.

Dear Sir:

Our examination of the title to

Lots 1, 2 and 3 in the Resubdivision of blocks 1, 2, 3 and 4 and the vacated street known as Bellevue Place between blocks 1 and 2 on the East and blocks 3 and 4 on the West in the Lake Shore Subdivision of lot 1 in Nicholas Simon and other's Subdivision of part of the South East fractional quarter of Section 21 and fractional South West quarter of Section 22, Township 42 North, Range 13 East of the 3rd P.M., in Cook County, Illinois, together with any and all riparian rights thereunto belonging or in anywise appertaining,

is completed to include MARCH 31, 1920 and on said date we find title in

CHICAGO TITLE AND TRUST COMPANY (a corporation of Illinois) as trustee under a deed in trust, dated April 14, 1919 and recorded May 2, 1919 as document 6516563,

subject to the following:

- ✓ (1) Rights or claims of parties in possession not shown of record and questions of survey.
- ✓ (2) Mechanics' lien claims if any where no notice thereof appears of record
- ✓ (3) Special assessments and special taxes if any not confirmed.
- (4) Taxes for the year 1919. (Paid)
- ✓ (5) Special assessment warrant 243 for curbing, grading and paving Sheridan Road, confirmed August 24, 1916 for \$783.20 on lot 1, \$462.00 on lot 2, and \$484.00 on lot 3 aforesaid, payable in 10 installments, the last 8 unpaid. (3rd inst paid)
- ✓ (6) Special assessment warrant 326741 Superior Court for system of sewers, confirmed February 5, 1917 for \$353.46 on lot 1, \$210.87 each on lots 2 and 3 aforesaid, payable in 20 installments the last 18 unpaid. (3rd inst paid)

- (7) Special assessment warrant 269 for curbing, grading and paving Sheridan Road, confirmed September 14, 1917 for \$341.76 on lot 1, \$201.60 on lot 2, and \$211.20 on lot 3 aforesaid, payable in 10 installments. *(to be subject only to last 9 installments, as provided by the Road)*
- (8) Rights, if any, of the State of Illinois in and to so much, if any, of premises in question as may have been formed by means other than natural accretions and in and to so much thereof, if any, as may be covered by the waters of Lake Michigan.
- (9) Terms, powers, conditions and limitations contained in and imposed by deed in trust under which Chicago Title and Trust Company holds title to premises in question.
- (10) Special assessment docket 349273 Superior Court for deficiency in docket 335942, confirmed December 11, 1919 for \$18.88 on lot 1, and \$11.47 each on lots 2 and 3 aforesaid (not yet in collection) *Subject*
- (11) Special assessment docket 280 for deficiency in docket 243 confirmed March 4, 1920 for \$362.26 on lot 1, \$213.70 on lot 2, and \$223.87 on lot 3 aforesaid, payable in 2 installments (not yet in collection) *Subject*
- (12) The application at this office should be completed.
- (13) Special assessment docket 335942 Superior Court, for paving Walnut and other streets, confirmed June 19, 1918 for \$86.44 on lot 1, \$52.50 each on lots 2 and 3 aforesaid, payable in 10 installments. *(1st inst paid)*

Respectfully,

CHICAGO TITLE AND TRUST COMPANY,
Asst. Secretary.

Two (2) pages.

Taxes for 1919 to be paid

Installments of Specials due in 1920 to be paid

Survey or other Evidence to show location

Bring down title to cover due to purchaser + put money in escrow

E. A. CUMMINGS
CHARLES S. CUTTING
ABEL DAVIS
BERNARD A. ECKHART
JAMES B. FORGAN
MOSES E. GREENBAUM

Chicago Title and Trust Company

TITLE AND TRUST BUILDING
CHICAGO

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ROBT. H. MUELLER, ASST. SECRETARY
ALVA J. SHAW, ASST. SECRETARY
NICHOLAS G. IGLEHART, ASST. SECRETARY

Mr. William W. Case,
134 S. La Salle St.,
Chicago, Ills. 503791

May 12, 1920
GUARANTEE DEPARTMENT

Dear Sir:

Our examination of the title to

Lots 1, 2 and 3 in the resubdivision of blocks 1, 2, 3 and 4 and the vacated street known as Bellevue Place between blocks 1 and 2 on the East and blocks 3 and 4 on the West in the Lake Shore Subdivision of Lot 1 in Nicholas Simon and others' Subdivision of part of the South East fractional quarter of Section 21 and fractional South West quarter of Section 22, Township 42 North, Range 13 East of the 3rd P. M., in Cook County, Illinois, together with any and all reparian rights thereunto belonging or in anywise appertaining,

is completed to include MAY 4, 1920 and on said date we find title in

CHICAGO TITLE AND TRUST COMPANY, (a corporation of Illinois), as trustee under a deed in trust, dated April 14, 1919 and recorded May 2, 1919 as document 6516563, as to Lot 1, and WINNETKA PARK, DISTRICT (OF WINNETKA), as to Lots 2 and 3,

subject to the following:

- (1) Rights or claims of parties in possession not shown of record and questions of survey.
- (2) Mechanics' lien claims, if any, where no notice thereof appears of record
- (3) Special assessments and special taxes, if any, not confirmed.
- (4) Taxes for the years 1919 and 1920.
- (5) Special assessment warrant 243, for curbing, grading and paving Sheridan Road, confirmed August 24, 1916 for \$783.20 on Lot 1, \$462.00 on Lot 2 and \$484.00 on Lot 3 aforesaid, payable in 10 installments, the last 8 unpaid.

- (6) Special assessment warrant 326741, Superior Court, for system of sewers, confirmed February 5, 1917 for \$353.46 on Lot 1 and \$210.87 each on Lots 2 and 3 aforesaid, payable in 20 installments, the last 18 unpaid.
- (9) Special assessment warrant 269, for curbing, grading and paving Sheridar Road, confirmed September 14, 1917 for \$341.76 on Lot 1, \$201.60 on Lot 2 and \$211.20 on Lot 3 aforesaid, payable in 10 installments, the last 9 unpaid.
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- (12) Special assessment docket 280, for deficiency in docket 243, confirmed March 4, 1920 for \$362.26 on Lot 1, \$213.70 on Lot 2 and \$223.87 on Lot 3 aforesaid, payable in 2 installments.
- (13) Judgments and decrees, if any, against Winnetka Park District of Winnetka Illinois,
- (14) Rights, if any, of the State of Illinois in and to so much if any, of premises in question as may have been formed by means other than natural accretions and in and to so much thereof, if any, as may be covered by the waters of Lake Michigan.
- (15) Terms, powers, conditions and limitations contained in and imposed by deed in trust under which Chicago Title and Trust Company holds title to Lot 1. in question.
- (16) The application at this office should be completed.
- (17) Legal limitations imposed by the Statutes of the State of Illinois, upon the rights and powers of the Winnetka Park District of Winnetka, Illinois

Respectfully,

CHICAGO TITLE AND TRUST COMPANY,

W. J. S. Smith
Asst. Secretary.

Two (2) pages.

NO. 3035753

AMOUNT \$ 21,000.00

CHICAGO TITLE AND TRUST COMPANY

for valuable consideration, does hereby guarantee

****THE WINNETKA PARK DISTRICT, A MUNICIPAL CORPORATION OF ILLINOIS****

and all persons to whom this policy may be transferred with the assent of this Company endorsed hereon, against all loss or damage which the party guaranteed shall sustain by reason of defects in the title of said corporation as set forth in Schedule A below to the real estate or interest therein described, or by reason of liens or incumbrances affecting the title, at the date hereof, excepting only such defects, liens, incumbrances and other matters as are set forth in Schedule B below.

This Company agrees to defend, at its own cost and expense, the title, estate or interest hereby guaranteed in all actions or other proceedings which are founded upon, or in which is asserted by way of defense, a defect, claim, lien or incumbrance against which this policy guarantees.

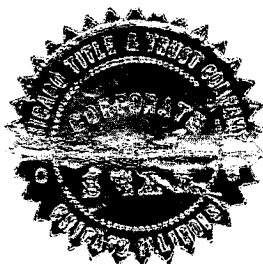
The total liability of this Company under this policy is limited to

****TWENTY ONE THOUSAND****

Dollars.

exclusive of costs and expenses of defending the title, estate or interest guaranteed.

This policy is subject to the conditions hereinbelow set forth, which conditions, together with Schedules A and B, are made a part of this policy.



In Witness Whereof, CHICAGO TITLE AND TRUST COMPANY has caused its corporate seal to be hereto affixed and these presents to be signed by its President and attested by its Assistant Secretary, this THIRTEENTH day of FEBRUARY A.D. 19 46

William Davidson

President.

ATTEST:

Ed Taylor
Assistant Secretary.

SCHEDULE A

FEE SIMPLE

1.
The title, estate or interest guaranteed by this policy.

2.
Description of the real estate with respect to which this policy is issued.

Lot four (4) (except the North Westerly one (1) foot thereof) in the Resubdivision of Blocks one (1), two (2), three (3) and four (4) and the vacated street known as Bellevue Place lying between Blocks one (1) and two (2) on the East and Blocks three (3) and four (4) on the West in Lake Shore Subdivision of Lot one (1) in Nicholas Simon and other's Subdivision of part of the South East fractional quarter of Section twenty one (21) and fractional South West quarter of Section twenty two (22), Township forty two (42) North, Range thirteen (13), East of the Third Principal Meridian, in COOK COUNTY, ILLINOIS.**

SCHEDULE B

Showing defects, liens, incumbrances and other matters excepted from this policy and against which this Company does not guarantee.

Special Exceptions.

1. Rights if any of the State of Illinois in and to so much, if any, of premises in question as may have been formed by means other than natural accretions and in and to so much if any, as may be covered by the waters of Lake Michigan.
2. Limitations imposed by the Statutes of the State of Illinois upon the powers of the Winnetka Park District, a municipal corporation of Illinois.
3. Taxes for the year 1945.

BOOK 40813 PAGE 211

This Indenture Witnesseth, That the Grantors

Harold J. Ross and Margaret W. Ross, Husband and Wife

of the Village of Kenilworth County of Cook
and State of Illinois for the consideration of the sum of
Twenty-One Thousand and no/100-----Dollars,
in hand paid, CONVEY and WARRANT unto The Winnetka Park District, a
Municipal Corporation

a corporation

created and existing under and by virtue of the laws of the State of Illinois

having its principal office in the Village of Winnetka

and State of Illinois the following described Real Estate, to wit:

Lot four (4) (except the northwesterly one foot thereof) in the
resubdivision of Blocks one (1), two (2), three (3) and four (4)
and the vacated street known as Bellevue Place lying between
Blocks one (1) and two (2) on the East and Blocks three (3) and
four (4) on the West in Lake Shore Subdivision of Lot one (1) in
Nicholas Simon and other's subdivision of part of the Southeast
fractional quarter of Section 21 and fractional Southwest quarter
of Section 22, Township 42 North, Range 13, East of the 5rd
Principal Meridian, in Cook County, Illinois.

situate in the County of Cook in the State of Illinois

hereby releasing and waiving all rights under and by virtue of the Homestead Exemption Laws of the
State of Illinois.

DATED this

11th

day of

February

1946

Harold J. Ross Seal
Margaret W. Ross Seal
Seal
Seal

Revenue stamps not necessary

BOOK 40813 PAGE 212

STATE OF Illinois
COUNTY OF Cook

} ss.

I, Donald N. Berchem, a

notary public

in and for the said County, in the State aforesaid

DO HEREBY CERTIFY that Harold J. Ross and Margaret W. Ross, husband and
wife, personally

known to me to be the same persons whose names subscribed to the foregoing instrument,
appeared before me this day in person and acknowledged that they signed, sealed and delivered
the said instrument as their free and voluntary act, for the uses and purposes therein set forth,
including the release and waiver of the right of homestead.

Given under my hand and notarial seal this 11th day of February
A. D. 1946

Donald N. Berchem



1085733 BOX 533

Warranty Deed
Individual to Corporation

TO

13718783

STATE OF ILLINOIS
COOK COUNTY
FILED FOR RECORD

1946 FEB 13 PM 3 53

40813-211
AND RECORDED IN
BOOK PAGE
RECORDED

Samuel D. Smith



Moved to:
Frederick Dickinson
10 So. La Salle St
Chicago

GEORGE E. COLE & COMPANY

This Indenture, Made this 13th day of February
1946, between GEORGE E. SIEBEL and JULIA F. SIEBEL, his wife,

of the Village of Kenilworth in the County of 1 Cook and State of
Illinois part Y of the first part, and WINNETKA PARK
DISTRICT A MUNICIPAL CORPORATION

of the _____ in the County of
Cook and State of ILLINOIS parties of the second part:

Witnesseth, That the part Y of the first part, for and in consideration of the sum of
TEN DOLLARS and other good and valuable considerations, ~~in hand paid,~~
convey ~~and warrant~~ to the said parties of the second part, ~~not in tenancy in common, but~~

~~in joint tenancy,~~ the following described Real Estate, to-wit: The Northwesterly thirty
(30) feet of Lot five (5) (said Lot being bounded on the West by
Sheridan Road and on the East by Lake Michigan in the Subdivision
of Blocks one (1), two (2), three (3), four (4) and the vacated
streets known as Bellview Place lying between Block one (1) and
two (2) on the East and Block three (3) and four (4) on the West
in the Lake Shore Subdivision of Lot one (1) in Nicholas Simon
and others' Subdivision of part of the South East fractional
quarter of Section twenty-one (21) and the fractional South West
quarter of Section twenty-two (22), Township forty-two (42) North,
Range thirteen (13), East of the Third Principal Meridian, in
Cook County, Illinois,

situated in the _____ County of Cook, in
the State of Illinois, hereby releasing and waiving all rights under and by virtue of the Homestead
Exemption Laws of the State of Illinois.

To Have and to Hold the above granted premises unto the said parties of the second part forever,
~~not in tenancy in common, but in joint tenancy.~~

In Witness Whereof, the said parties of the first part have hereunto set their hands
and seals the day and year first above written.

GES George E. Siebel Seal
JFS Julia F. Siebel Seal
_____ Seal
_____ Seal

Rev Stamps not necessary

BOOK 40827 PAGE 537

State of Illinois

County of Cook

ss.

Katherine K. Palmer

Notary Public in and for said County, in the

State aforesaid, Do hereby Certify, That

George E. Siebel and Julia F. Siebel

personally known to me to be the same persons whose names
subscribed to the foregoing instrument, appeared before me this day in per-
son, and acknowledged that they signed, sealed and delivered the said In-
strument as their free and voluntary act, for the uses and purposes
therein set forth, including the release and waiver of the right of homestead.

Given under my hand and seal, this

15th day of February A. D. 1946



Katherine K. Palmer
Mary Quinn

My Commis. July 24, 1948

3037621

BOX 533 Unit C
Box

Warranty Deed

13723184

STATE OF ILLINOIS } SS. NO.
COOK COUNTY
FILED FOR RECORD

1946 FEB 19 PM 4 01

40827-538
AND RECORDED IN
BOOK PAGE
RECORDED

Amey

Induct Dickman
10 do. La Salle

GEORGE E. COLE & COMPANY

125/10

NO. 3045157

AMOUNT \$ 5,500.00

CHICAGO TITLE AND TRUST COMPANY

for valuable consideration, does hereby guarantee

**** WINNETKA PARK DISTRICT, A MUNICIPAL CORPORATION ****

and all persons to whom this policy may be transferred with the assent of this Company endorsed hereon, against all loss or damage which the party guaranteed shall sustain by reason of defects in the title of said corporation as set forth in Schedule A below to the real estate or interest therein described, or by reason of liens or incumbrances affecting the title, at the date hereof, excepting only such defects, liens, incumbrances and other matters as are set forth in Schedule B below.

This Company agrees to defend, at its own cost and expense, the title, estate or interest hereby guaranteed in all actions or other proceedings which are founded upon, or in which is asserted by way of defense, a defect, claim, lien or incumbrance against which this policy guarantees.

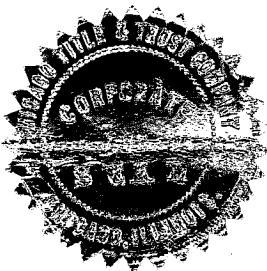
The total liability of this Company under this policy is limited to

**** FIVE THOUSAND FIVE HUNDRED ****

Dollars.

exclusive of costs and expenses of defending the title, estate or interest guaranteed.

This policy is subject to the conditions hereinbelow set forth, which conditions, together with Schedules A and B, are made a part of this policy.



In Witness Whereof, CHICAGO TITLE AND TRUST COMPANY has caused its corporate seal to be hereto affixed and these presents to be signed by its President and attested by its Assistant Secretary, this **NINETEENTH** day of **FEBRUARY** A.D. 19 **46**

Norman Davidson

President.

ATTEST:

Eld Blanke

Assistant Secretary.

SCHEDULE A**FEE SIMPLE**

1.
The title, estate or interest guaranteed by this policy.

2.
Description of the real estate with respect to which this policy is issued.

The North Westerly thirty (30) feet of lot five (5) (said lot being bounded on the West by Sheridan Road and on the East by Lake Michigan) in the Subdivision of blocks one (1), two (2), three (3), four (4) and vacated streets known as Bellview Place lying between blocks one (1) and two (2) on East and blocks three (3) and four (4) on the West in the Lake Shore Subdivision of lot one (1) in Nicholas Simon and others' Subdivision of part of the South East fractional quarter of Section twenty one (21) and fractional South West quarter of Section twenty two (22), Township forty two (42) North, Range thirteen (13), East of the Third Principal Meridian, in Cook County, Illinois. **

SCHEDULE B

Showing defects, liens, incumbrances and other matters excepted from this policy and against which this Company does not guarantee.

Special Exceptions.

1. Rights of the State of Illinois in and to so much, if any, of the accretions pertaining to said lot 5 as may have been formed other than by lawful means.
2. Limitations imposed by the Statutes of the State of Illinois upon the powers of Winnetka Park District, a municipal corporation.
3. Taxes for the year 1945.



Plowed Ground

433.7

285.5

398.8

392.9

90°

TOP

2

3

Notch 4' W
Notch 5'

Concrete Mark J
Concrete Mark K

SHERIDAN

100.21'

100.21'

Notch 4' W

Notch 15'

80'

Notch 4' W
Notch 15'

North line of Elder Lane (Vaccated)

Combination
M.H. & C.B.

South line of Elder Lane

State of Illinois
County of Cook

I have surveyed and
described in the above
that plat hereon show
representation of
Dated December
Frank A. Wm

Drawn by R.E. Cole
checked by F.A.W.

ELDER LANE ROAD

6373-1

3



SHERIDAN

ELDER

(PARK)

461.08
339.08 NW 1/4 line

Area of table-land to top of bluff = 33.974 Sq. ft.

Iron pipe at NW 1/4 cor. of Lot 4
Iron pipe at cor.
Cross in walk is 0.04' N'ly and
6.01' W'ly of cor.

Cross in walk is 0.04' N'ly and
6.01' W'ly of 1st cor.

Iron pipe at 1st cor.

ROAD

LANE

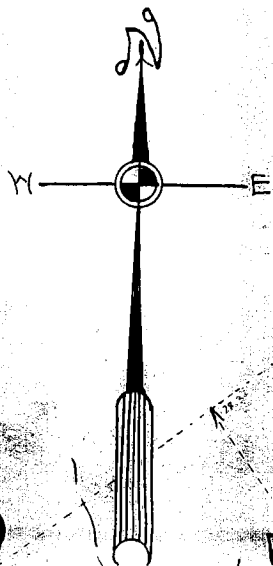
80

90' 02" 13"

99.0

11.54

3.23



PARK DISTRICT

WINNETKA

LINE OF ELDER LANE

Shrubs

SUMACH

SOUTHERLY LINE OF E

Sta. 3

Sta. 2+50

Sta. 2

Contour Info

one 10 Foot Strip, property of Winnetka Park District
Extending from E.L. Sheridan Rd. to the Waters Edge of Lake Michigan.

Conc. Drinking Fountain Foundation

CATCH BASIN

Elev. 2710

2-8" Ash

6" Elm

6" Ash

12" Maple

6" Elm

6" Elm

6" Elm

6" Elm

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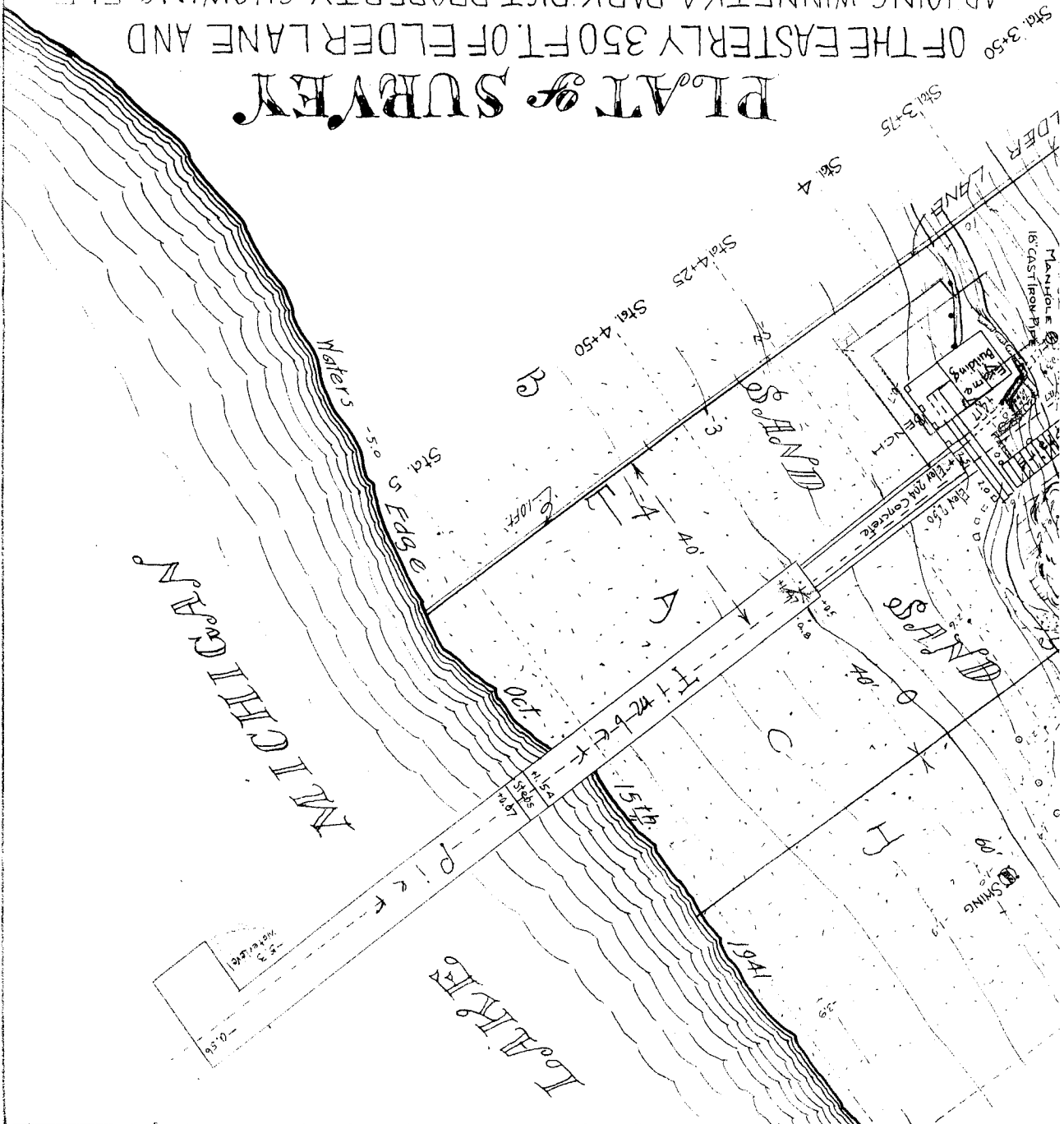
6" Elm

5894 5894 5894	MINNETKA PARK DIST. MINNETKA, ILLINOIS	WINDESS & MARSH CIVIL ENGINEERS & SURVEYORS MINNETKA, ILLINOIS	9.17 Oct 20, 1941
----------------------	---	--	----------------------

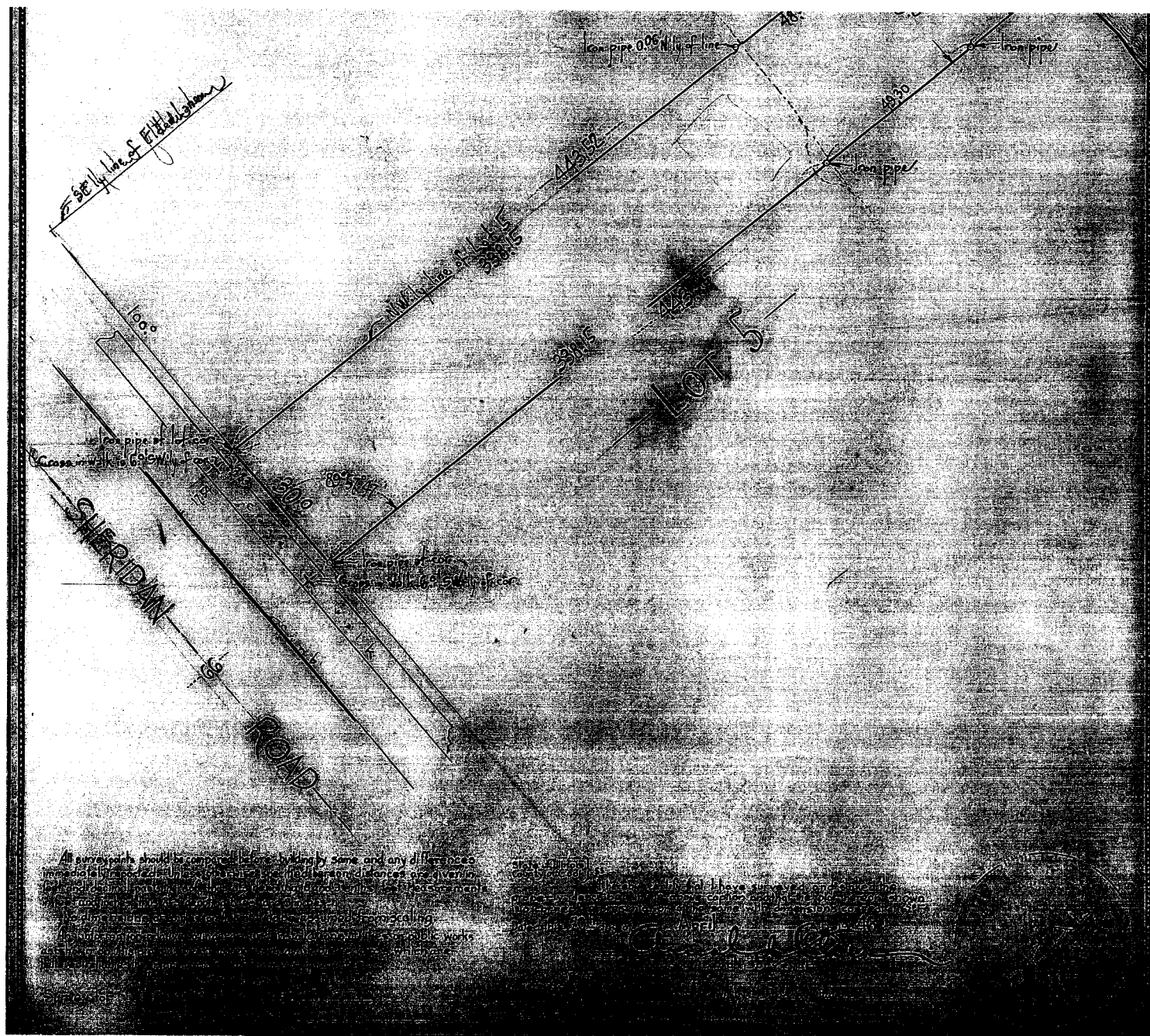
BENCH MARK: Hyatt's Elmer Lane, Station 21.98
 The small figures show 28.10 ft. to the top of the hill.

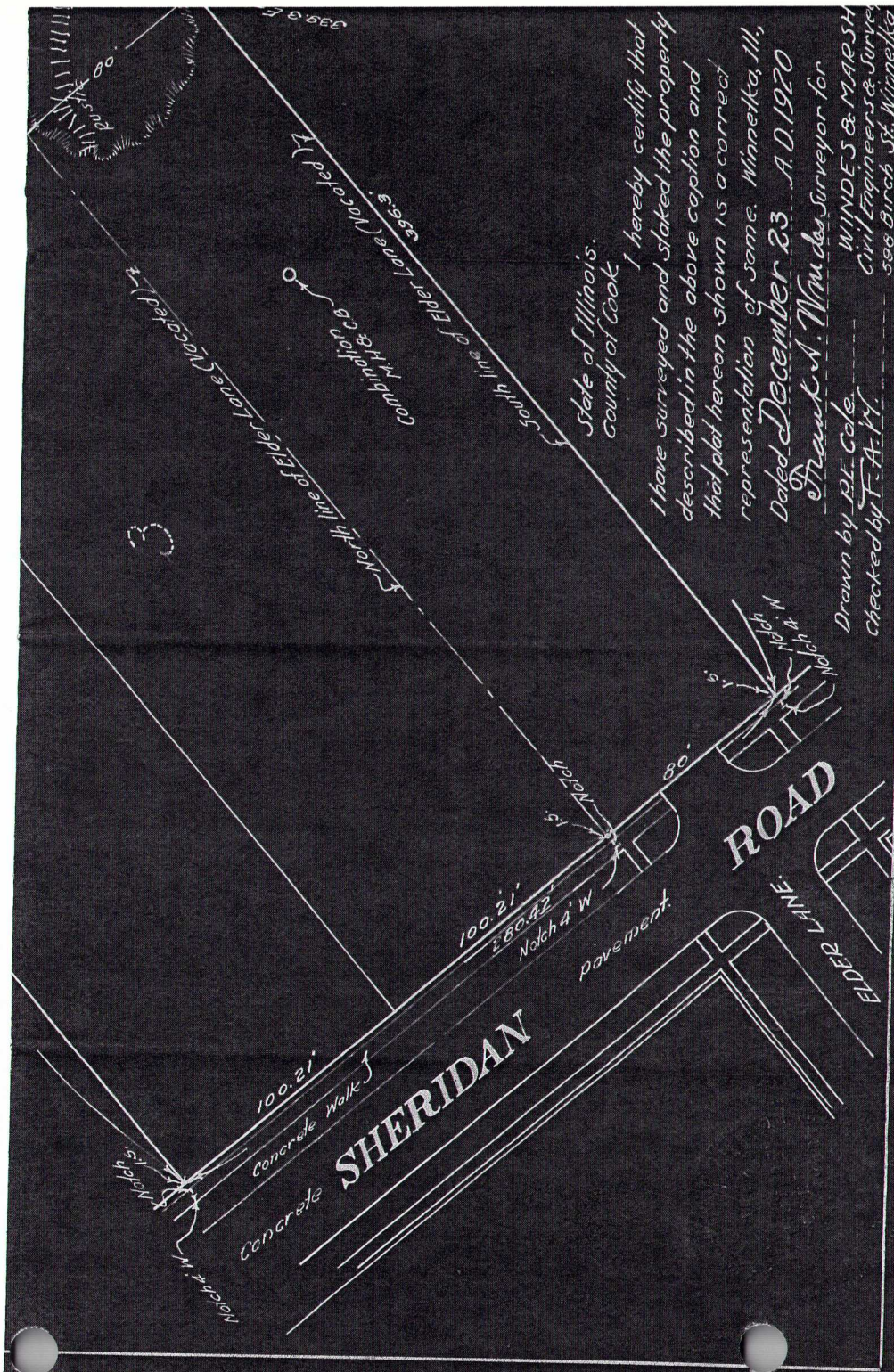
Interval - 1 Foot.

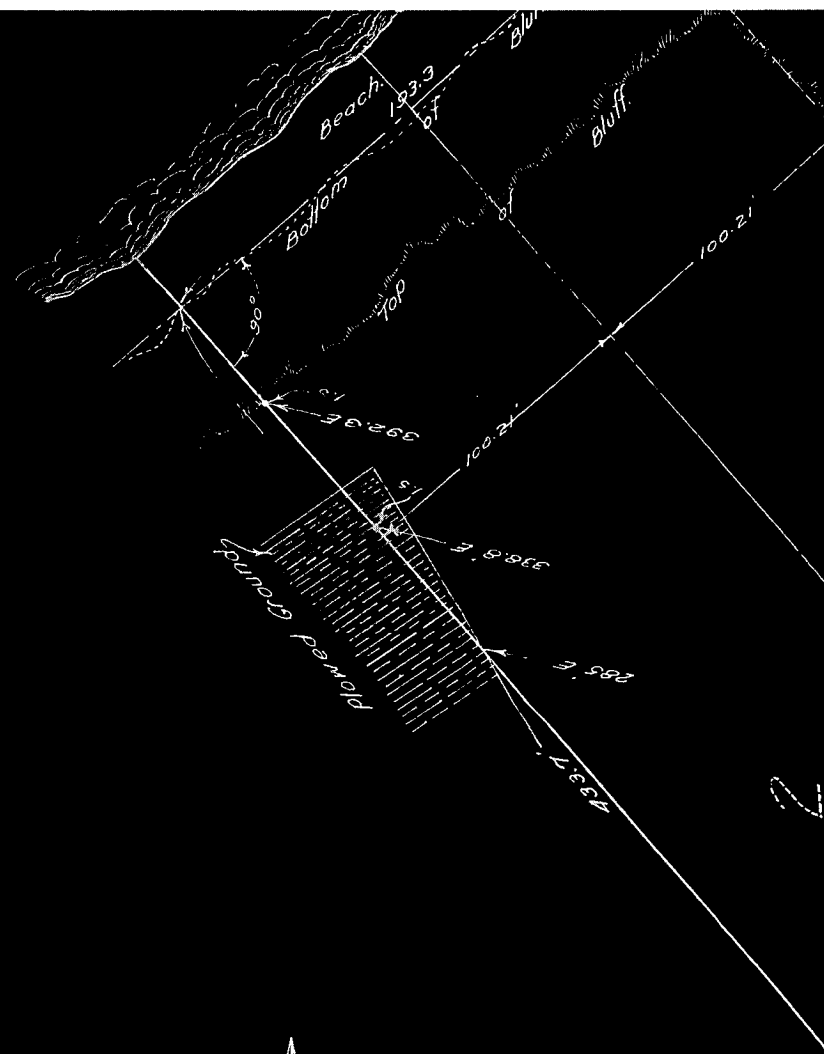
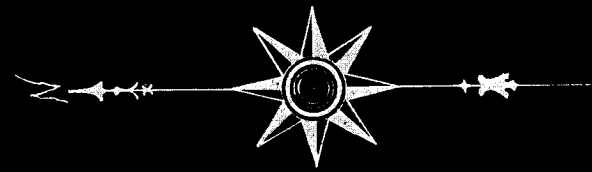
PLAT OF SURVEY
 OF THE EASTERLY 350 FT. OF ELDER LANE AND
 ADJOINING MINNETKA PARK DIST. PROPERTY, SHOWING ELEC.
 BUILDING, PLANTING, WALKS, SHORE PROTECTION, ETC.
 in the Village of Winnetka, Ill.



1. 100 paces of cor.
2. 100 paces of cor.







[illegible]

State of Illinois,
County of Cook.

I hereby certify that
I have surveyed and staked the property
described in the above caption and
that the plat hereon shown is a correct
representation of same.

Dated December 23, A.D. 1920

Witness my hand and the seal of the
Surveyor for
WINDES & MARSH
Civil Engineers & Surveyors
at Chicago, Ill.,
this 23rd day of December, 1920.



PLAT of SURVEY

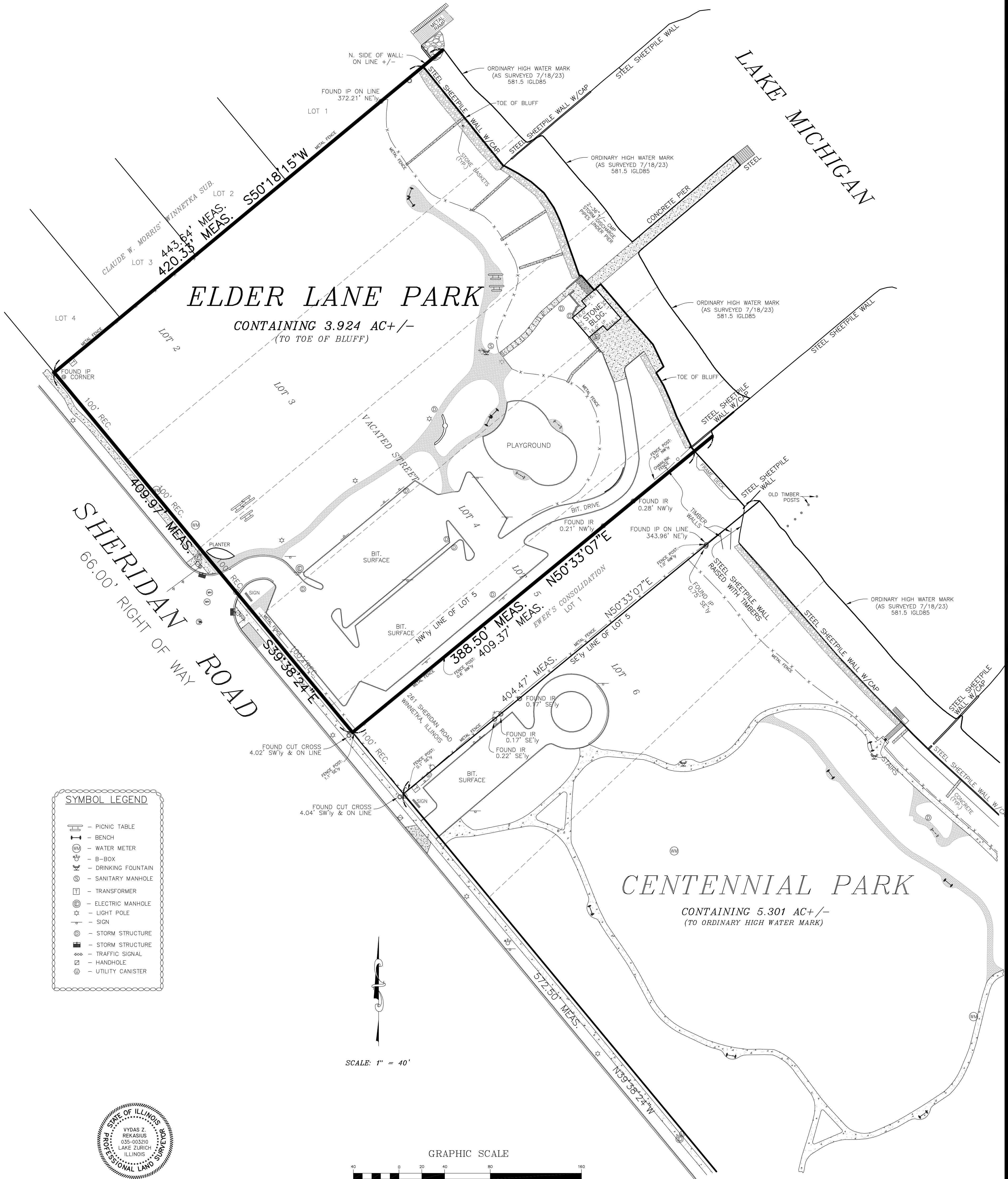
of Lots 2 and 3, Resub. of Blks 1, 2, 3 and 4 and Vacated
street known as Bellevue Place, between Blocks 1 and 2,
on East and Blocks 3 and 4 on West Lake Shore Sub. of
Lot 1, Nickolas Simon and others Sub. Trac. Southeast 1/4
Sec. 21, T42N, R13E, 3rd RM, in the Village of Winnetka, Cook
County, Illinois.

THE WINNETKA PARK BOARD.

NAME	DATE	FOR	FILED
WINDS & MARSH	DEC 23 1920	THE WINNETKA PARK BOARD	1690
CIVIL ENGINEERS & SURVEYORS			17155

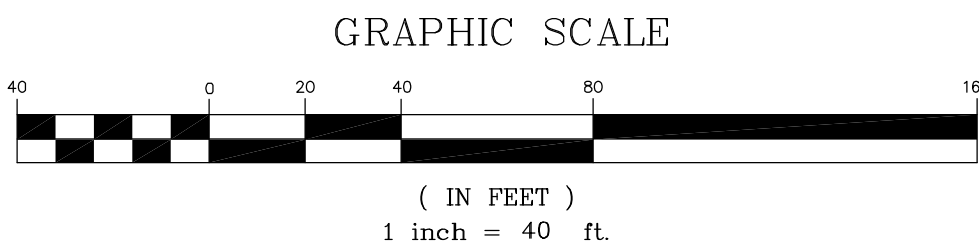
PLAT OF SURVEY

LOTS 2, 3, THE VACATED STREET KNOWN AS BELLEVUE PLACE, LOT 4 AND THE NORTHWESTERLY 30.00 FEET OF LOT 5 IN THE RESUBDIVISION OF BLOCKS 1 AND 2 ON THE EAST AND BLOCKS 3 AND 4 ON THE WEST IN LAKE SHORE SUBDIVISION OF LOT 1 IN NICHOLAS SIMON AND OTHERS' SUBDIVISION OF PART OF THE SOUTHEAST FRACTIONAL QUARTER OF SECTION 21 AND FRACTIONAL SOUTHWEST QUARTER OF SECTION 22, TOWNSHIP 42 NORTH, RANGE 13 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN COOK COUNTY, ILLINOIS.



SYMBOL LEGEND	
	PICNIC TABLE
	BENCH
	WATER METER
	B-BOX
	DRINKING FOUNTAIN
	SANITARY MANHOLE
	TRANSFORMER
	ELECTRIC MANHOLE
	LIGHT POLE
	SIGN
	STORM STRUCTURE
	STORM STRUCTURE
	TRAFFIC SIGNAL
	HANDHOLE
	UTILITY CANISTER

SCALE: 1" = 40'



- NOTE:
- Please check Legal Description with Deed and report any discrepancy immediately.
 - Compare all points before building by same and report any discrepancies at once.
 - Building lines, if any, shown hereon are building lines shown on the recorded subdivision plat or called out in the title report.
 - Consult local authorities for building lines established by local ordinances.
 - This professional service conforms to the current Illinois minimum standards for a boundary survey.

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 plat shown hereon is a correct representation of said survey.

DATED THIS 21st DAY OF MAY, A.D. 2024.

BY: Vydas Rekasius

Illinois Professional Land Surveyor No. 3210
License Renewal Date : 11/30/2024
DESIGN FIRM NO. 184-004538 RENEWAL DATE: 4/30/2025
REVISED: 9/16/2024 - ACREAGE CALCULATION

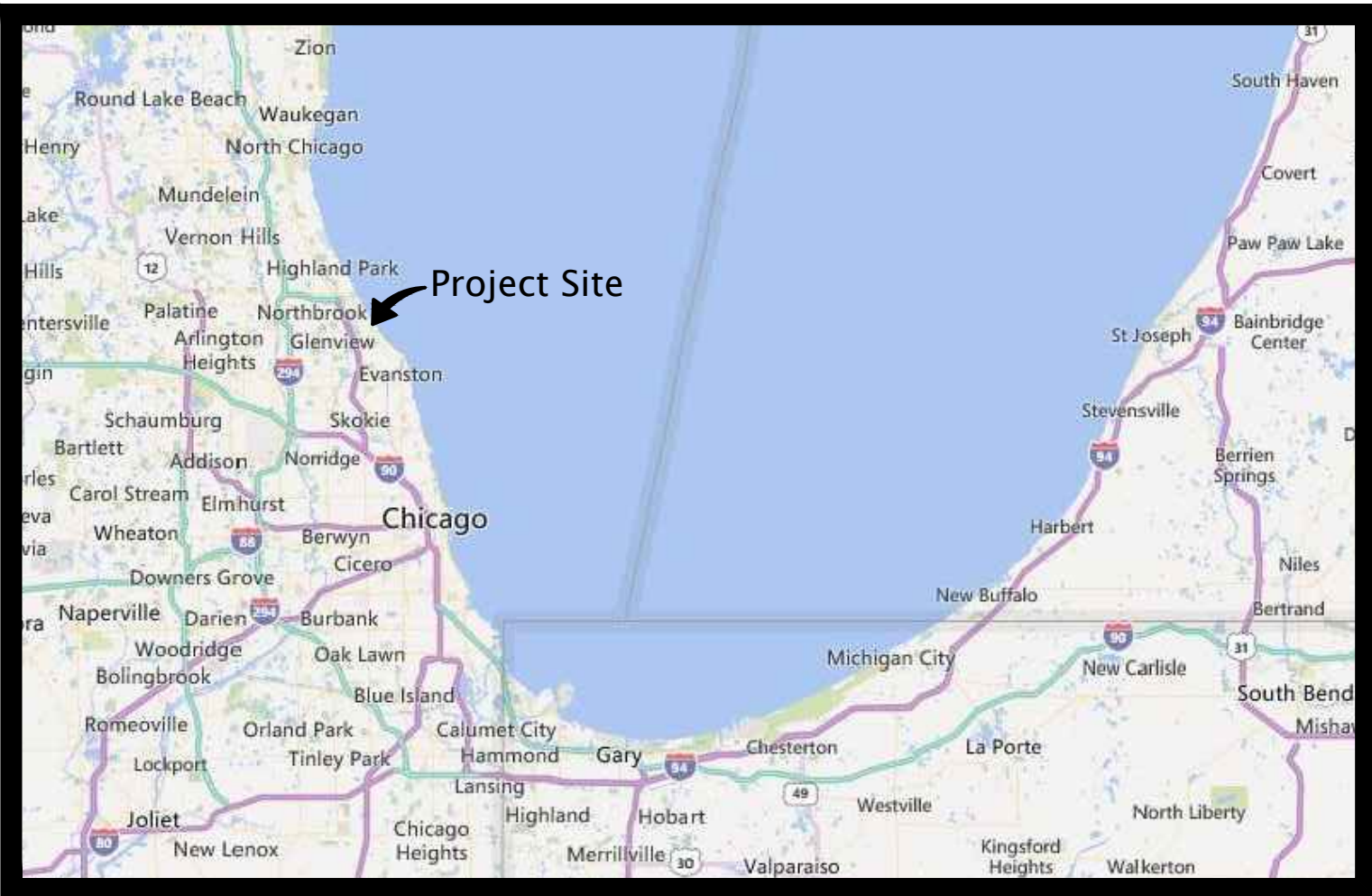
**TERRA TECHNOLOGY
LAND SURVEYING, INC.**

24198 ROSE AVE. LAKE ZURICH, ILLINOIS 60047
PHONE: (847) 540-8606 E-MAIL: TTLS.1@SBCGLOBAL.NET
JOB NO.: 20-0078 SURVEY DATE : 7/18/2023
DWG FILE: JUNE2023/BOUNDARY2024/BOUNDARY-ELDER.DWG

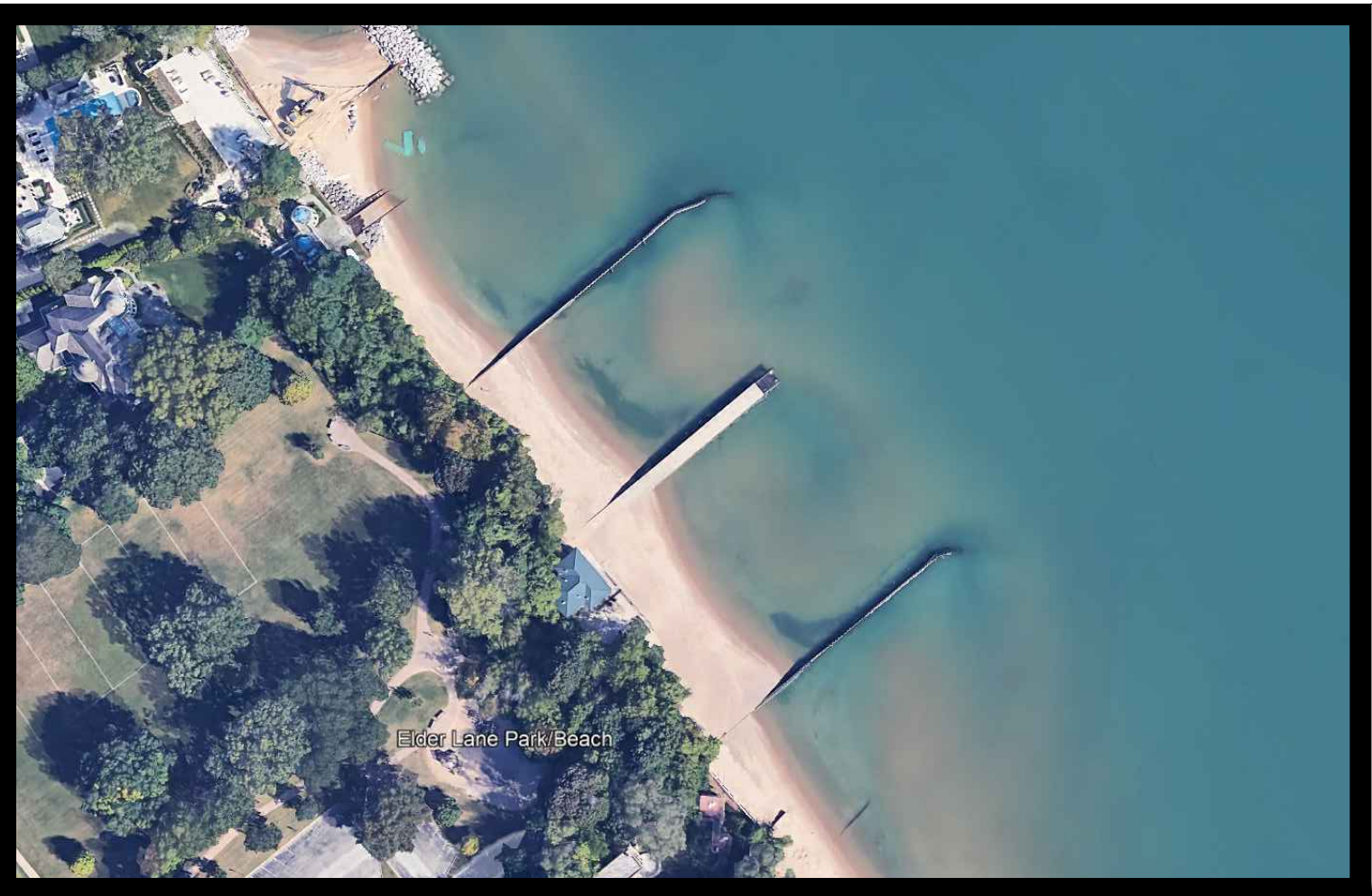
DRAWING LIST

- T301 Title Sheet
C300 Existing Conditions Plan
C301 General Site Development Plan
C302 Site Access/Haul Route Plan
C303 Site Preparation and Erosion Control Plan
C304 Site Preparation Details
C305 Temporary Construction Haul Road Layout Plan
C306 Access Road Improvements Layout Plan and Details
C307 Access Road Retaining Wall Layout Plan and Sections
C308 Access Road Retaining Wall – General Notes and Bill of Material
C309 Access Road Retaining Wall - General Plan and Elevation (1 of 2)
C310 Access Road Retaining Wall - General Plan and Elevation (2 of 2)
C311 Access Road Retaining Wall - Structural Details
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C313 Shoreline Improvement Layout Plan 1
C314 Shoreline Improvement Layout Plan 2
C315 Shoreline Improvement Layout Plan 3
C316 Shoreline Improvement Layout Plan 4
C317 Shoreline Improvements Sections and Details Section A-A’
C318 Shoreline Improvements Sections and Details Section B-B’
C319 Shoreline Improvements Sections and Details Section C-C’
C320 Shoreline Improvements Sections and Details Section D-D’
C321 Shoreline Improvements Sections and Details Section E-E’
C322 Shoreline Improvements Sections and Details Section F-F’
C323 Shoreline Improvements Sections and Details Section G-G’
C324 Shoreline Improvements Sections and Details Section H-H’
C325 Shoreline Improvements Sections and Details Section I-I’
C326 Shoreline Improvements Details 1
C327 Shoreline Improvements Details 2
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C329 Shoreline Improvements Details 4
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C331 Breakwater Sections and Details
C332 Breakwater Access Stairs Layout Plan and Details
C333 Junction Chambers – General notes and Bill of material
C334 Junction Chamber 1 – General Plan and Elevation
C335 Junction Chamber 1 – Structural Details
C336 Junction Chamber 2 – General Plan and Elevation
C337 Junction Chamber 2 – Structural Details
C338 Sand Fill Layout Plan
C339 Sand Fill Sections
C340 Parking Lot Improvements: Geometric Plan
C341 Parking Lot Improvements: Grading Plan
C342 Storm Sewer Plan & Profile
C343 Beach Shower Plumbing Plan
C344 Bluff Staircase – General Notes and Bill of Material
C345 Bluff Staircase - General Plan and Elevation
C346 Bluff Staircase - Structural Details (1 of 2)
C347 Bluff Staircase - Structural Details (2 of 2)
C348 Lighting and Electrical Plan
C349 Lighting and Electrical Details
C350 Lighting and Electrical Details
C351 Lighting and Electrical Details
C352 Tree Preservation Plan
C353 Overall Site Plan
C354 Landscape Plan
C355 Planting Details
C356 Handrail and Fencing Plan
C357 Handrail and Fencing Enlargement Plan A
C358 Handrail and Fencing Enlargement Plan B
C359 Handrail and Fencing Enlargement Plans C&D
C360 Hardscape Details
C361 Boardwalk Details
C362 Handrail Details
C363 Handrail Details
C364 Handrail Details
C365 Handrail Details
C366 Handrail Details
C367 Site Furnishings
C368 Retaining Wall Details
C369 Wave Wall Details
C370 Wave Wall Details
C371 Overall Restoration Plan
C372 Restoration Plan
C373 Restoration Notes
C374 Restoration Notes
C375 Site Closure Plan

Site Improvements
Elder Lane Beach
Winnetka, IL



LOCATION MAP
NTS



SOURCE : GOOGLE EARTH

PROJECT SITE
NTS



ENGINEER:
RED BARN Design & Engineering, SC
6750 Woodland Drive
Waunakee, Wisconsin 53597
Ph: (608) 849-2042
Attn: Matthew Wright, P.E.

LANDSCAPE ARCHITECT:
The Lakota Group
One East Wacker Drive
Chicago, IL 60601
Ph: (312) 467-5445
Attn: Scott Freres, ASLA

OWNER:
Winnetka Park District



540 Hibbard Road
Winnetka, IL 60093
Ph: (847) 501-2040
Attn: Costa Kutulas

License Expires 11-30-25	License Expires 11-30-24	License Expires 11-30-25	License Expires 11-30-24



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100% Submittal	08/16/24
Bidding And Construction	08/30/24

Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

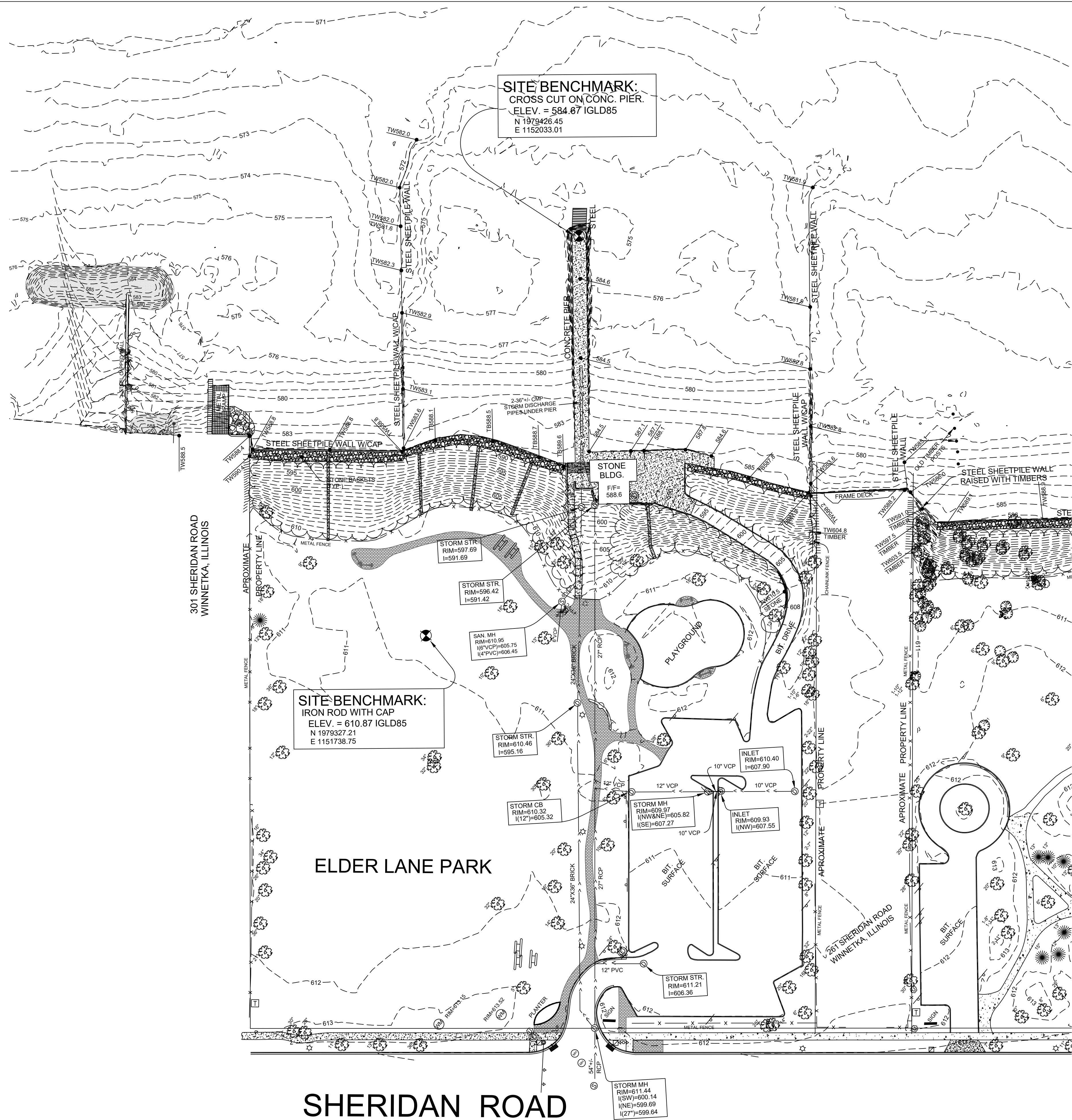
Winnetka Park District
Winnetka, IL

Graphic Scale

Scale None

Drawing Title
Title Sheet

Sheet No. T301



- LEGEND (EXISTING)**
- PICNIC TABLE
 - BENCH
 - WATER METER
 - B-BOX
 - DRINKING FOUNTAIN
 - SANITARY MANHOLE
 - TRANSFORMER
 - ELECTRIC MANHOLE
 - LIGHT POLE
 - SIGN
 - STORM STRUCTURE
 - STORM STRUCTURE
 - TRAFFIC SIGNAL
 - HANDHOLE
 - UTILITY CANISTER
 - TREES/BRUSH

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CONTROL POINTS/BENCHMARKS

CROSS CUT ON CONC. PIER
ELEV. = 584.67 IGLD 85
N 1979426.45
E 1152033.01

IRON ROD WITH CAP
ELEV. = 610.87 IGLD 85
N 1979327.21
E 1151738.75

- NOTES:**
- BASEMAP, TOPOGRAPHIC AND BATHYMETRIC INFORMATION PREPARED FROM SURVEYS PERFORMED IN JANUARY 2024.
 - HORIZONTAL DATUM IS BASED ON ILLINOIS STATE PLANE COORDINATE SYSTEM. NAD 83 EAST ZONE 1201 - ESTABLISHED USING TRIMBLE VRS NOW NETWORK.
 - VERTICAL DATUM IS IGLD85 (NAVD88 - 0.51' = IGLD85)
 - TOPOGRAPHIC AND BATHYMETRIC SURVEYS GENERATING CONTOURS AT ONE (1) FOOT INTERVALS.
 - UNDERGROUND UTILITIES ARE BASED ON FIELD OBSERVATIONS.
 - UNDERGROUND UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY, AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. THE CONTRACTOR/OWNER IS RESPONSIBLE FOR MAKING HIS OWN DETERMINATION AS TO THE TYPE AND LOCATION OF UNDERGROUND UTILITIES AS MAY BE NECESSARY TO AVOID DAMAGE THERETO. CONTRACTOR/OWNER SHALL CALL FOR A JUNE LOCATE PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITIES.



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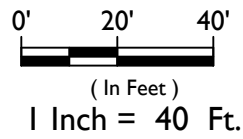
Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

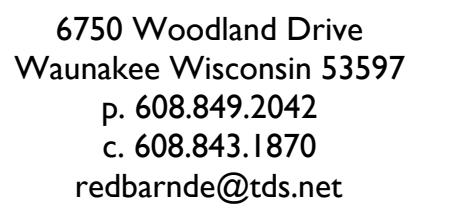


Scale 1 Inch = 40 Ft.

Drawing Title

Existing Conditions Plan

Sheet No. C300



Issued for	Rev. Date
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100% Submittal	08/16/24
Bidding And Construction	08/30/24

Site Improvements
Elder Lane Beach
Winnetka, IL

Winnetka Park District
Winnetka, IL

0' 20' 40'

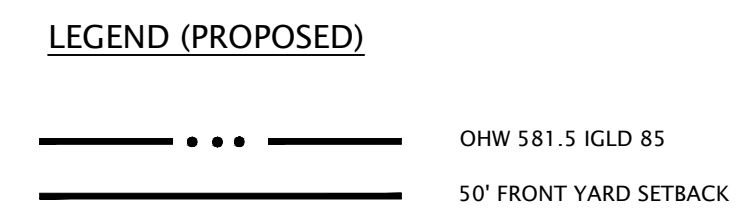
(In Feet)

1 Inch = 40 Ft.

Scale 1 Inch = 40 Ft.

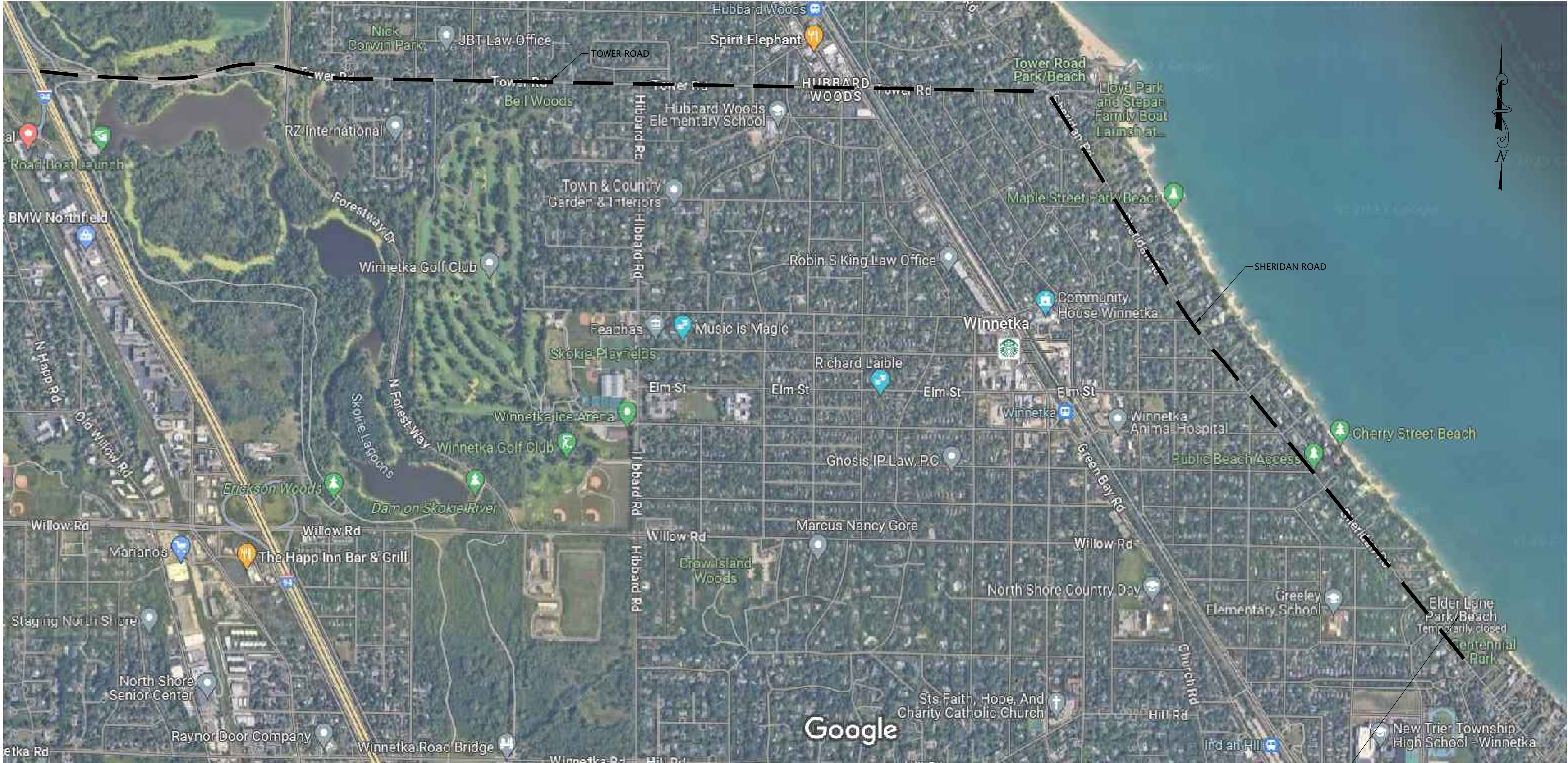
General Site Development Plan

Sheet No. C301



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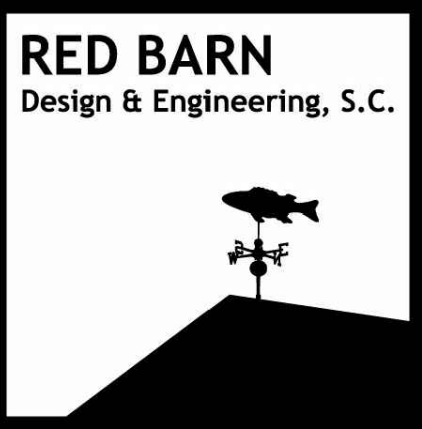


PROJECT SITE
SOURCE GOOGLE MAP
SCALE H: 0' 50' 100'
V: 0' 50' 100'

ELDER LANE BEACH
SITE ENTRANCE

LEGEND
ACCESS ROUTE

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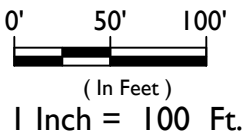
Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

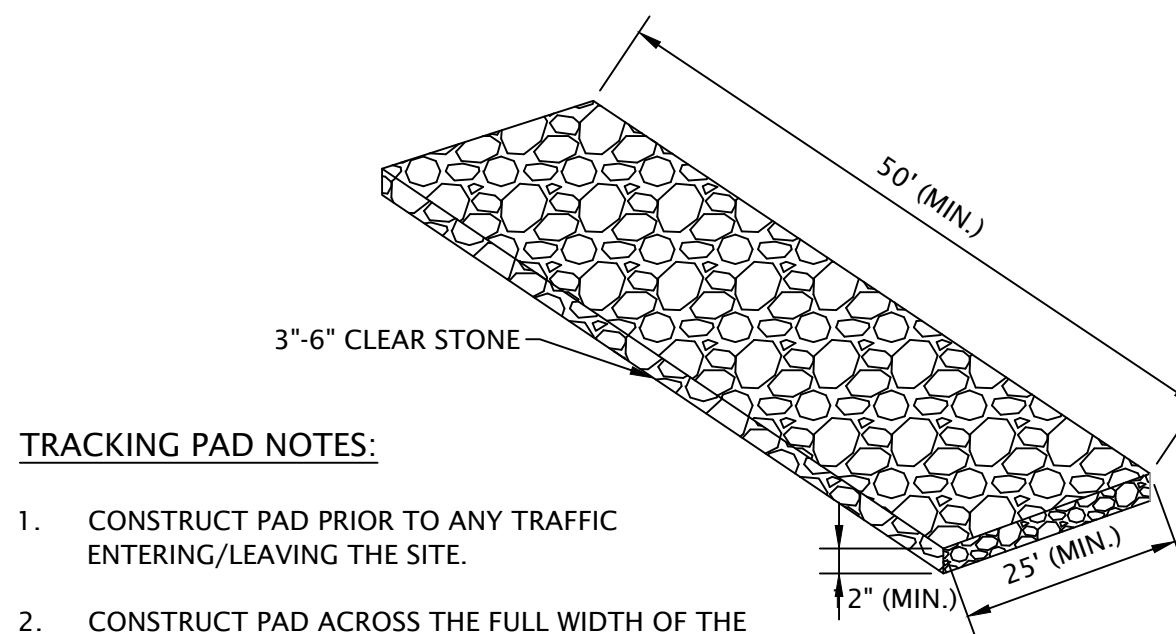
Graphic Scale



Scale 1 Inch = 100 Ft.

Drawing Title
Site Access Route

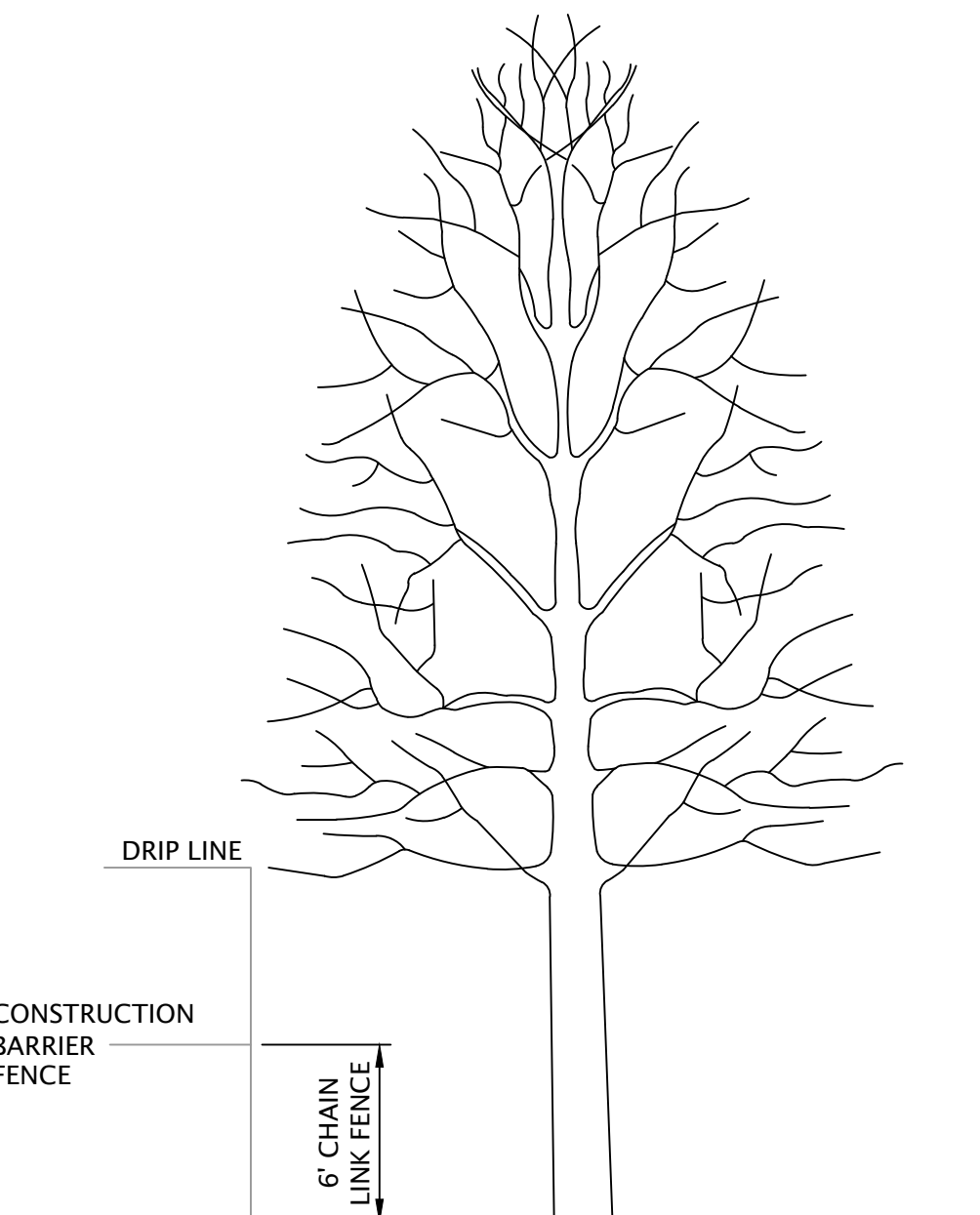
Sheet No.
C302



TRACKING PAD NOTES:

1. CONSTRUCT PAD PRIOR TO ANY TRAFFIC ENTERING/LEAVING THE SITE.
2. CONSTRUCT PAD ACROSS THE FULL WIDTH OF THE EGRESS POINT.
3. TRACKING PAD SHALL BE MAINTAINED BY SCRAPING OR TOP DRESSING WITH ADDITIONAL AGGREGATE.
4. TRACKING PAD SHALL BE REMOVED AT END OF CONSTRUCTION AND AREA RESTORED TO PROPOSED CONSTRUCTION CONDITIONS.

3 TRACKING PAD
C303 NOT TO SCALE



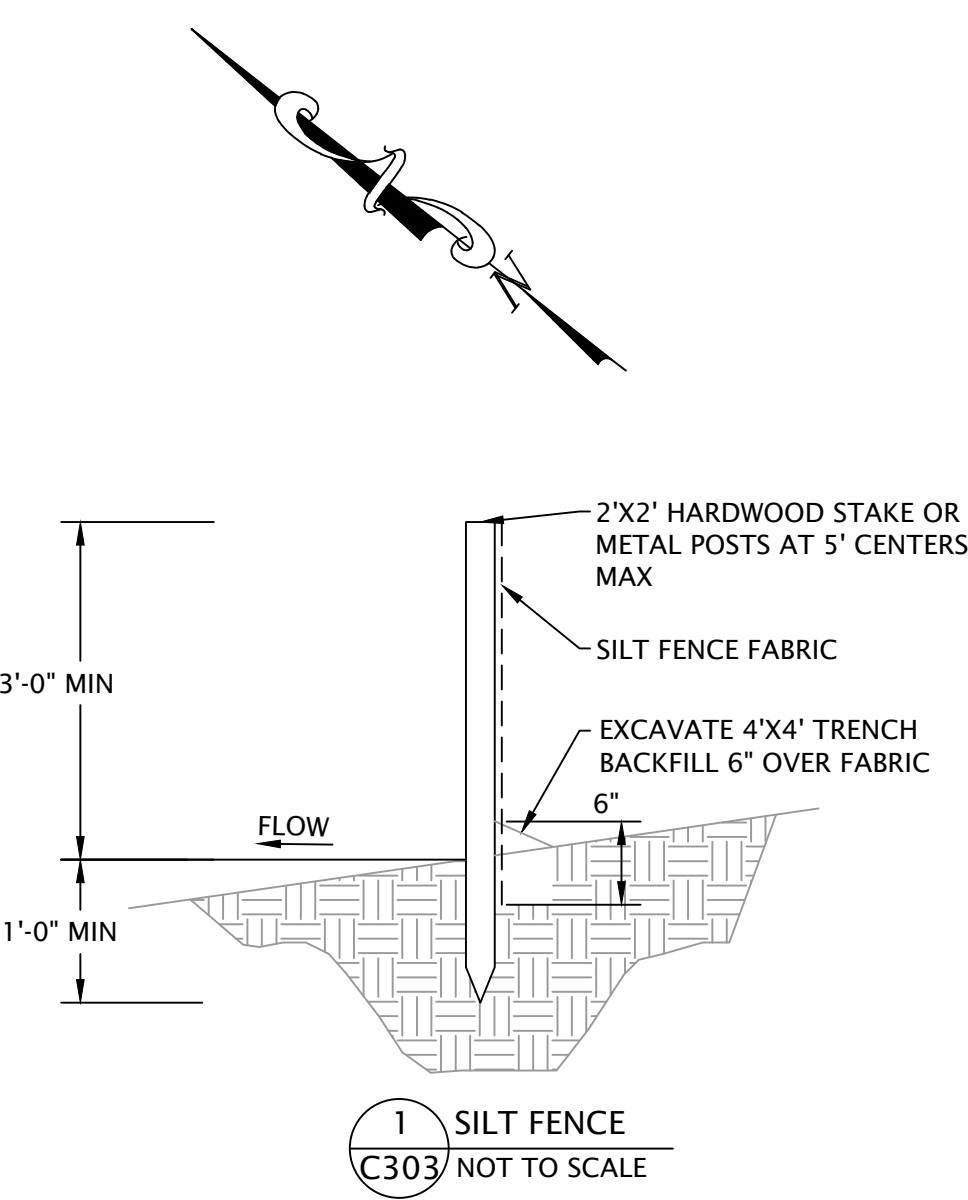
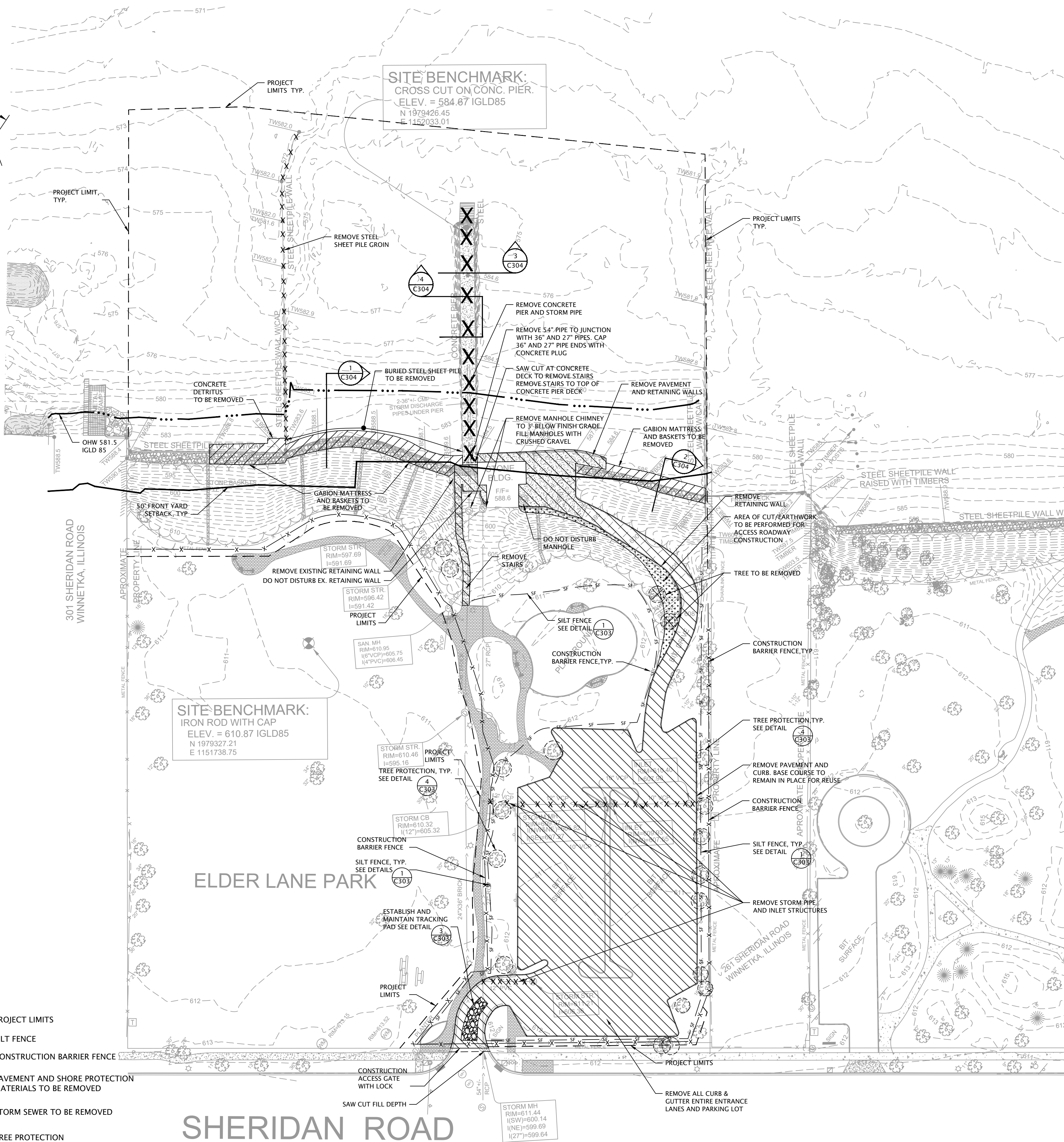
4 CONSTRUCTION BARRIER FENCING TREE PROTECTION
C303 NOT TO SCALE

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LEGEND (PROPOSED)

- PROJECT LIMITS
- SILT FENCE
- CONSTRUCTION BARRIER FENCE
- PAVEMENT AND SHORE PROTECTION MATERIALS TO BE REMOVED
- STORM SEWER TO BE REMOVED
- TREE PROTECTION
- TREE TO BE REMOVED
- OHW 581.5 IGLD 85
- 50' FRONT YARD SETBACK



1 SILT FENCE
C303 NOT TO SCALE

WORK SEQUENCE NOTES:

1. ESTABLISH AND MAINTAIN EROSION CONTROL AND TRAFFIC BARRICADES PRIOR TO COMMENCEMENT OF WORK.
2. CONTRACTOR SHALL FURNISH AND MAINTAIN CONSTRUCTION FENCING BARRICADE TO SECURE CONSTRUCTION AND STAGING AREAS FROM PUBLIC ACCESS.
3. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY HAUL ROAD(S) THROUGH THE PROJECT SITE NEEDED FOR THIS DURATION OF THE PROJECT. DAMAGE TO THE ENTRANCE ONTO SHERIDAN ROAD RESULTING FROM THE CONTRACTORS ACTIONS WILL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
4. NO STOCKPILING OF BREAKWATER MATERIALS MAY BE PERFORMED ON THE UPLAND AREAS OF THE SITE.
5. CONTRACTOR SHALL DETERMINE FOR THE PURPOSE OF THEIR WORK THE AREAS REQUIRED FOR STAGING AND STOCKPILING OF ANY UPLAND STRIPPED MATERIALS.
6. ALL PARKING LOT SIGNS AND SIGN POLES SHALL BE REMOVED AND SALVAGED FOR REINSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING SALVAGED SIGNS AND POLES.

NOTES:

1. SEE SHEET C300 FOR LEGEND OF EXISTING CONDITIONS.
2. CONTRACTOR WILL BE PROVIDED AUTOCAD DRAWING FILE FOR CONSTRUCTION LAYOUT AFTER AWARD OF CONTRACT.
3. LIMITS OF CONSTRUCTION ARE AS SHOWN UNLESS OTHERWISE NOTED.
4. BEFORE EXCAVATION OR DEMOLITION, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING JULIE AND APPROPRIATE UTILITY COMPANIES FOR UTILITY LOCATIONS.



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Consultants

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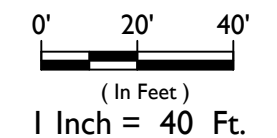
Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



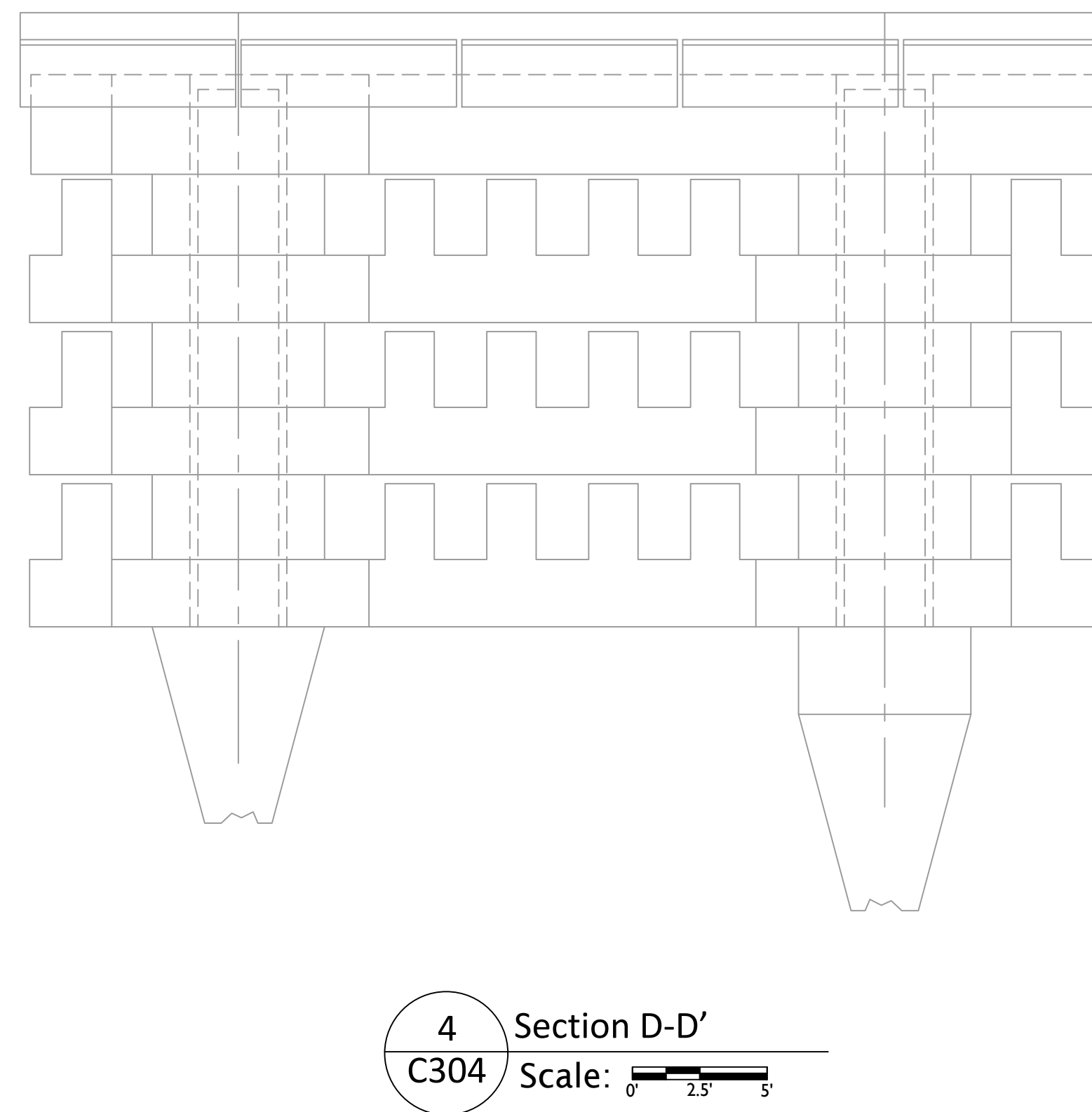
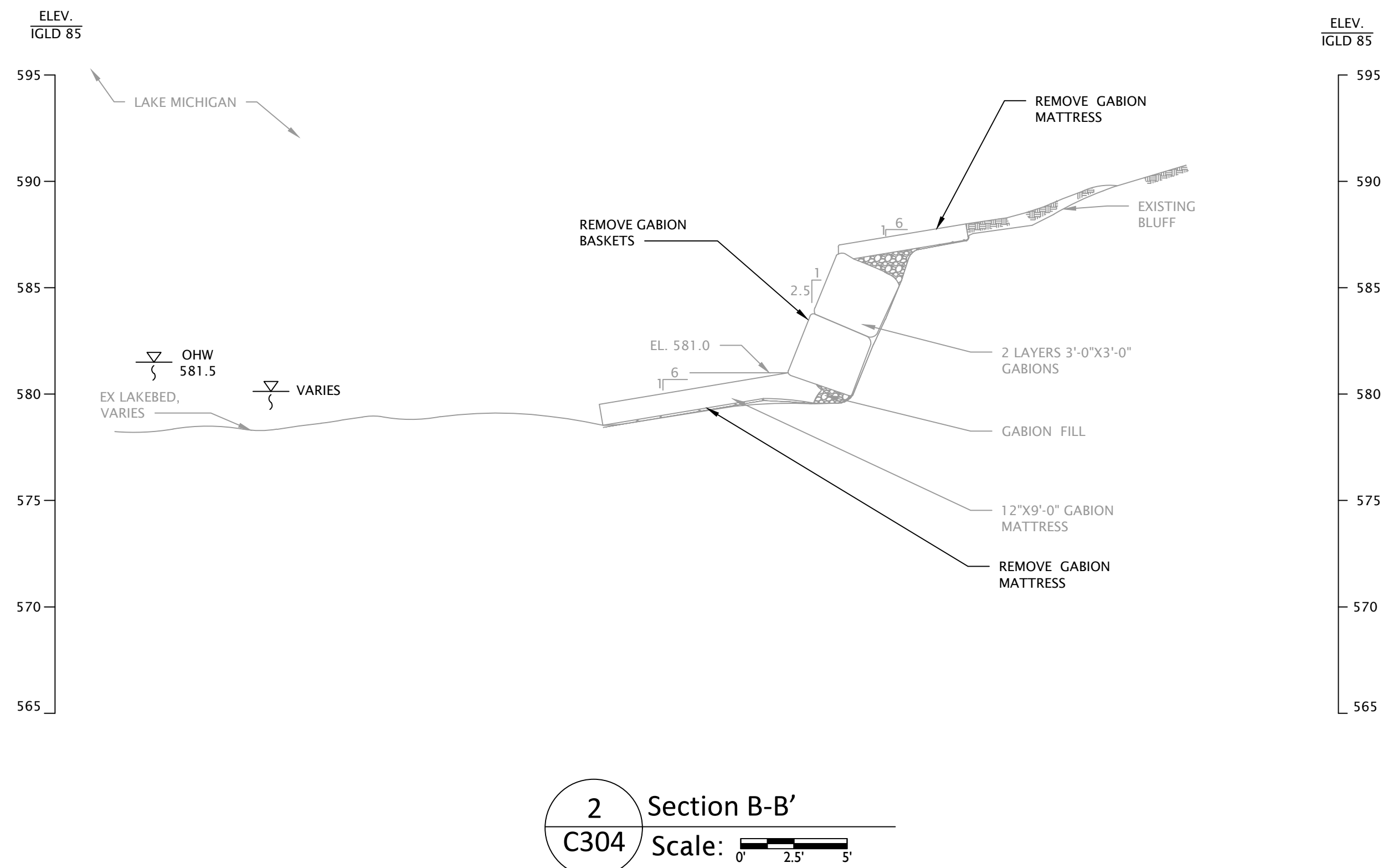
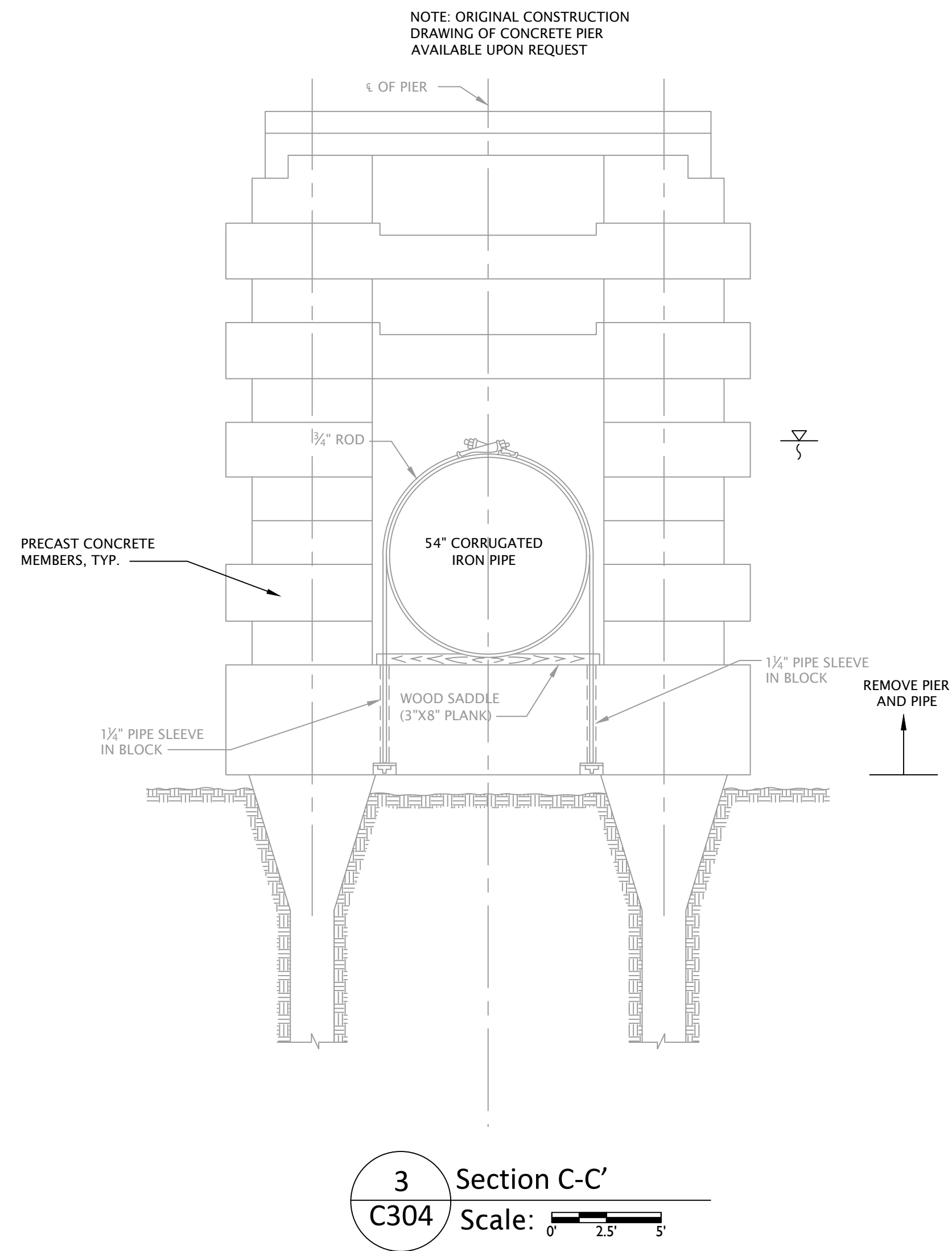
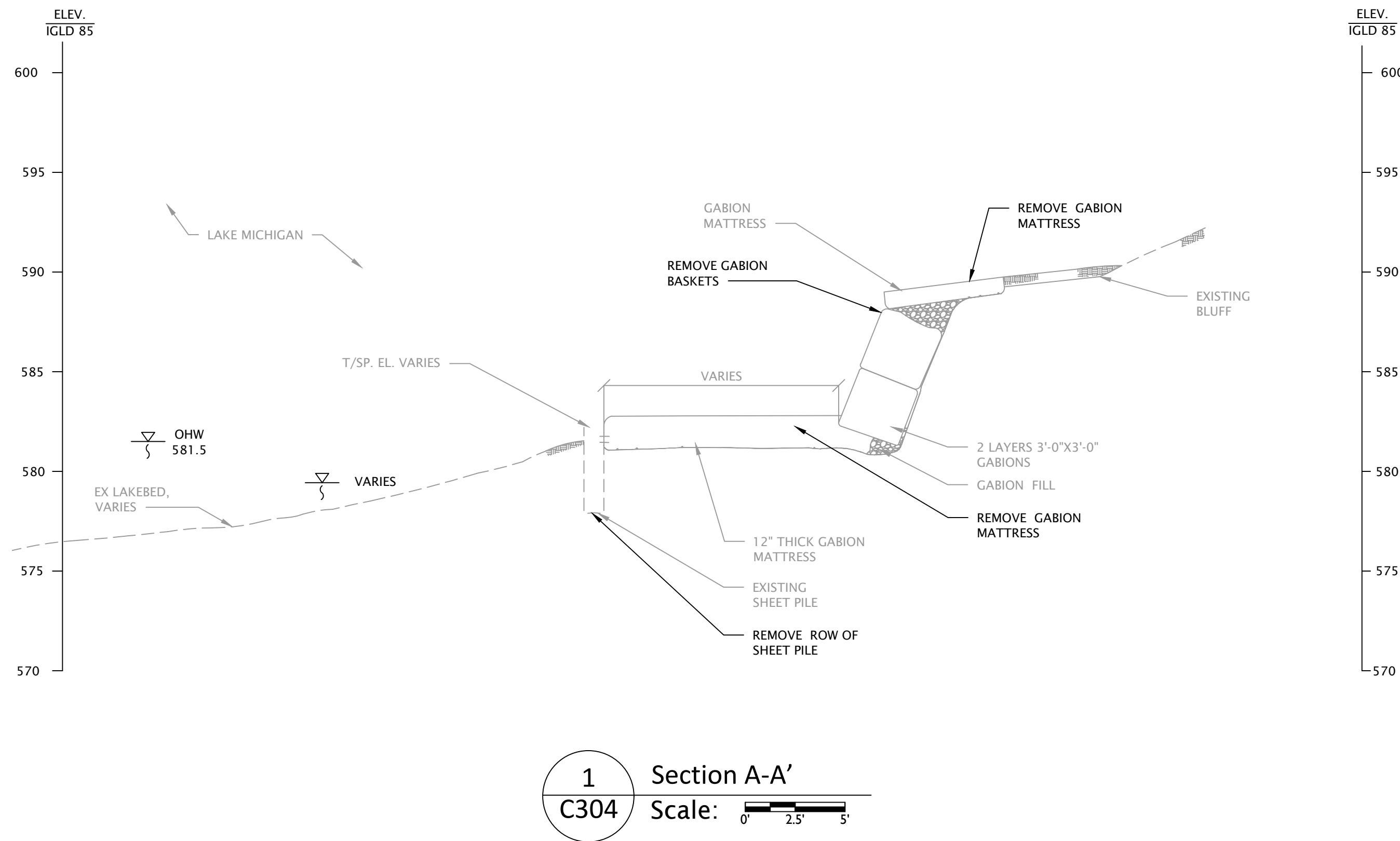
Scale 1 Inch = 40 Ft.

Drawing Title

Site Preparation and
Erosion Control Plan

Sheet No.

C303



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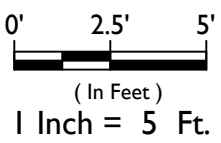
Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

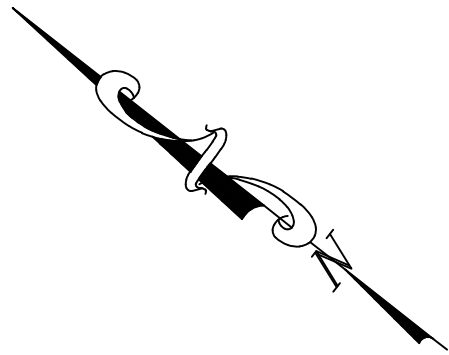
Graphic Scale



Scale 1 Inch = 5 Ft.

Drawing Title
Site Preparation Details

Sheet No. C304



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Bidding And Construction	08/30/24

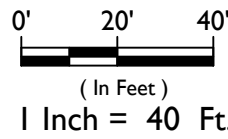
Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

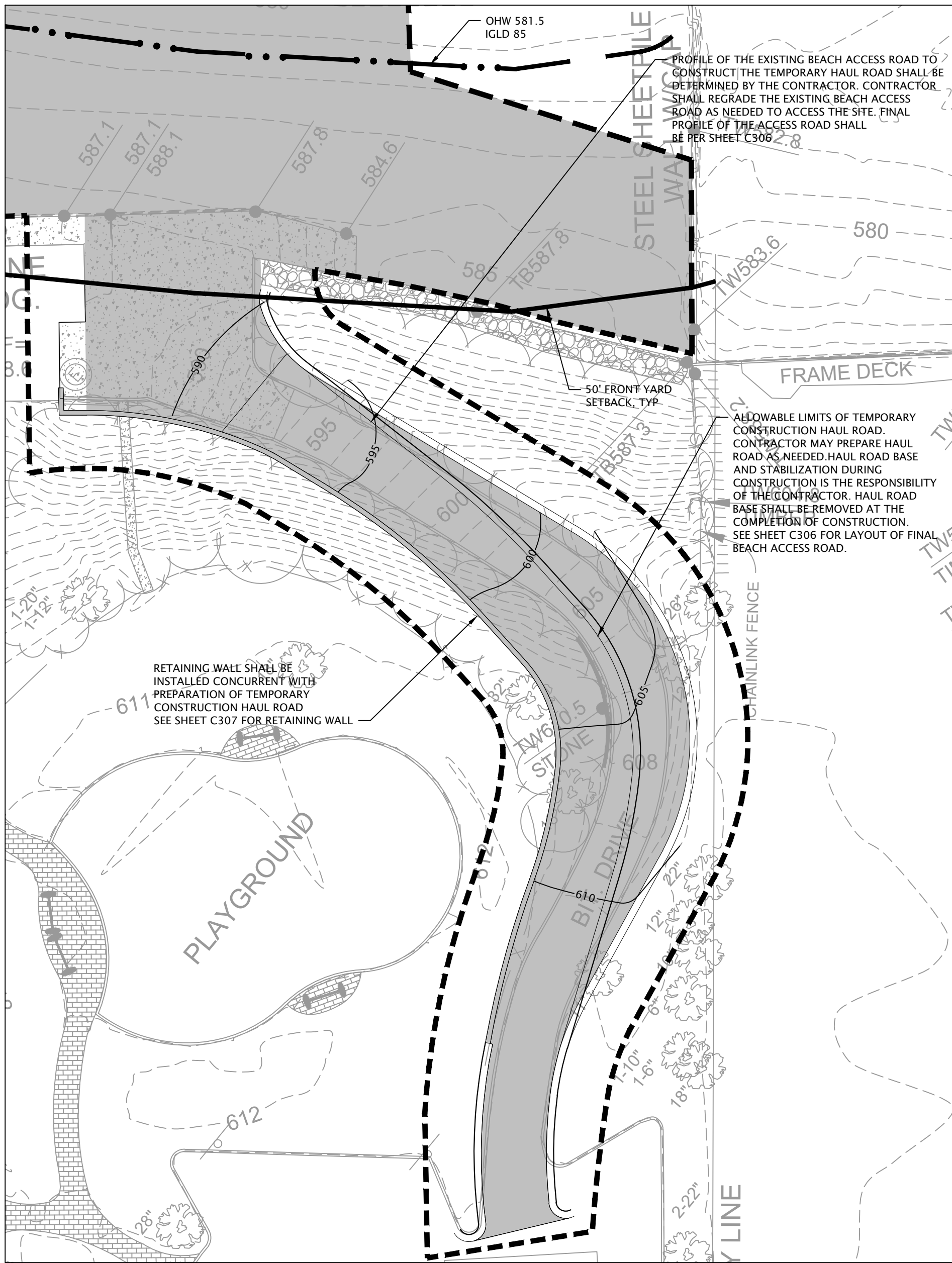
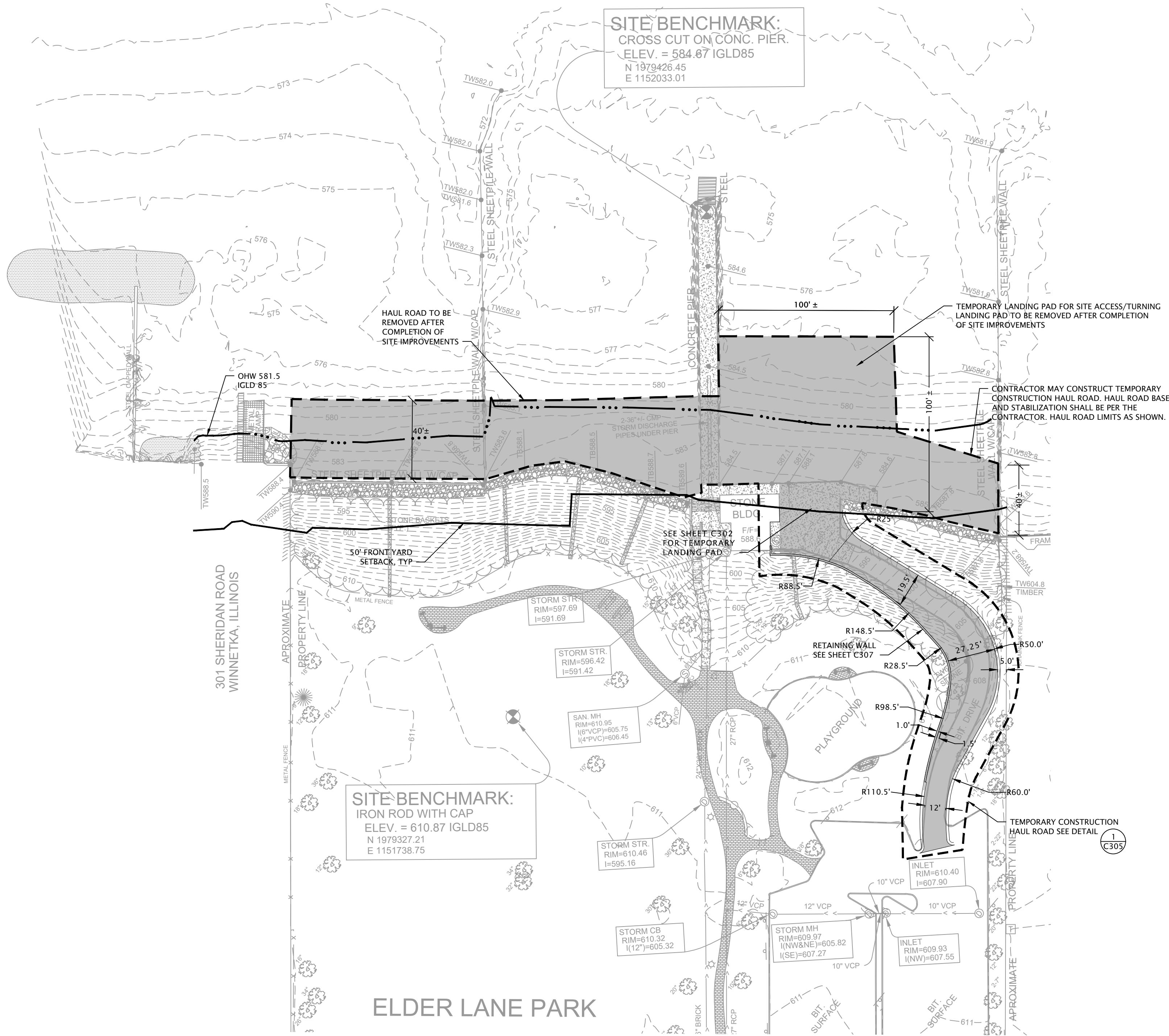


Scale 1 Inch = 40 Ft.

Drawing Title

Temporary Construction
Haul Road Layout Plan

Sheet No. C305



1
C305 TEMPORARY CONSTRUCTION HAUL ROAD
SCALE : 0' 10' 20'

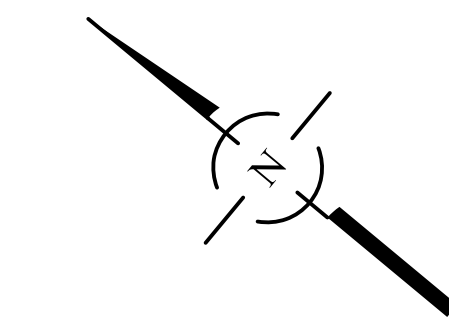
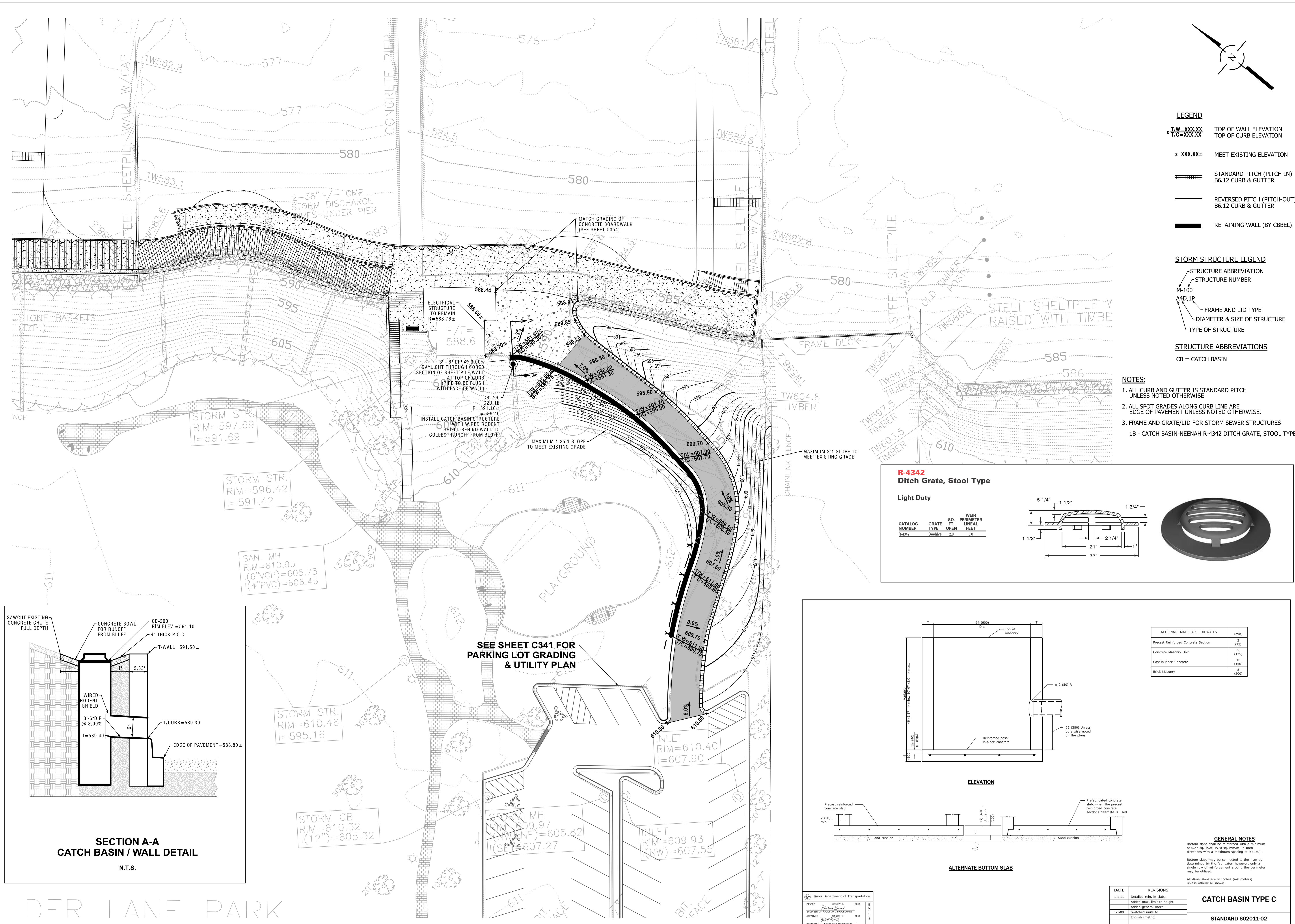
"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."

- LEGEND (PROPOSED)
- TEMPORARY HAUL ROAD
 - OHW 581.5 IGLD 85
 - 50' FRONT YARD SETBACK

NOTES:

- SEE SHEET C300 FOR LEGEND OF EXISTING CONDITIONS.
- CONTRACTOR WILL BE PROVIDED AUTOCAD DRAWING FILE FOR CONSTRUCTION LAYOUT AFTER AWARD OF CONTRACT.
- LIMITS OF CONSTRUCTION ARE AS SHOWN UNLESS OTHERWISE NOTED.
- BEFORE EXCAVATION OR DEMOLITION, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING DIGGERS HOTLINE AND APPROPRIATE UTILITY COMPANIES FOR UTILITY LOCATIONS.





- LEGEND**
- TW=XXX.XX
TC=XXX.XX TOP OF WALL ELEVATION
TOP OF CURB ELEVATION
 - x XXX.XX± MEET EXISTING ELEVATION
 - STANDARD PITCH (PITCH-IN)
B6.12 CURB & GUTTER
 - REVERSED PITCH (PITCH-OUT)
B6.12 CURB & GUTTER
 - RETAINING WALL (BY CBBEL)

- STORM STRUCTURE LEGEND**
- STRUCTURE ABBREVIATION
STRUCTURE NUMBER
 - M-100
A4D,1P FRAME AND LID TYPE
 - DIAMETER & SIZE OF STRUCTURE
 - TYPE OF STRUCTURE
- STRUCTURE ABBREVIATIONS**
- CB = CATCH BASIN

- NOTES:**
- ALL CURB AND GUTTER IS STANDARD PITCH UNLESS NOTED OTHERWISE.
 - ALL SPOT GRADES ALONG CURB LINE ARE EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
 - FRAME AND GRATE/LID FOR STORM SEWER STRUCTURES
 - 1B - CATCH BASIN-NEENAH R-4342 DITCH GRATE, STOOL TYPE

R-4342 Ditch Grate, Stool Type

Light Duty

CATALOG NUMBER	GRATE TYPE	SO. FT. OPEN	WEIR PERIMETER LINEAL FEET
R-4342	Beehive	2.0	6.0

SECTION A-A CATCH BASIN / WALL DETAIL

N.T.S.

ELEVATION

ALTERNATE BOTTOM SLAB

ALTERNATE MATERIALS FOR WALLS

	(mm)
Precast Reinforced Concrete Section	3 (75)
Concrete Masonry Unit	6 (125)
Cast-In-Place Concrete	8 (150)
Block Masonry	8 (200)

GENERAL NOTES

Bottom slabs shall be reinforced with a minimum of 6 #2 sq. ft. (178 sq. mm) in both directions with a maximum spacing of 9 (230).

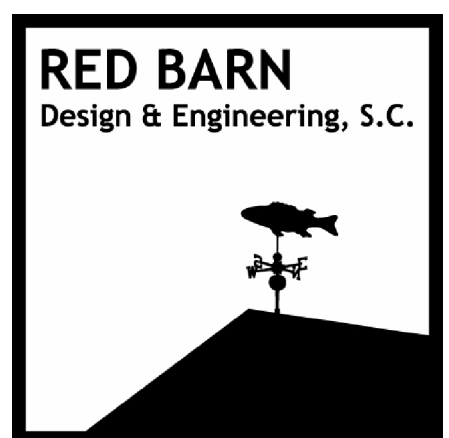
Bottom slabs may be connected to the riser as determined by the fabricator; however, only a single row of reinforcement around the perimeter may be utilized.

All dimensions are in inches (millimeters) unless otherwise shown.

CATCH BASIN TYPE C

STANDARD 602011-02

DATE	REVISIONS
1-1-11	Detailed note, in slabs.
1-1-11	Added max. limit to height.
1-1-11	Added general notes.
1-1-09	Switched units to English, metric.



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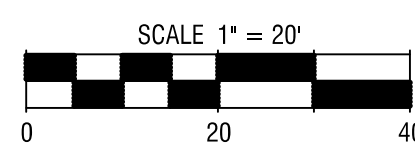
Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



Scale 1 Inch = 20 Ft.

Drawing Title

ACCESS ROAD
RETAINING WALL
LAYOUT PLAN &
SECTIONS

Sheet No.

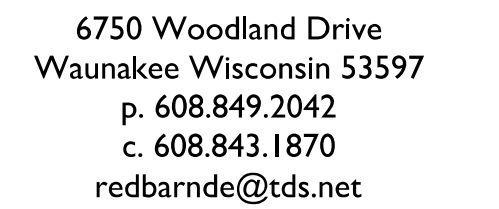
C307

- 1.) All structural steel shall be AASHTO M 270 Grade 36 or ASTM A36 as applicable and in accordance with Section 1006 of the Standard Specifications.
- 2.) No field welding is permitted except as specified in the contract documents.
- 3.) Reinforcement bars designated (E) shall be epoxy coated and shall be in accordance with Section 508 of the Standard Specifications. Reinforcement shall have a minimum concrete cover of 2" unless otherwise noted.
- 4.) Concrete Sealer shall be applied to the exposed faces of the concrete cap and wall facing.
- 5.) Shear studs shall be in accordance with Section 505 of the Standard Specifications. 2" P/JF per Article 1051.08 of the Standard Specifications full height bonded to concrete facing with suitable adhesive as recommended by supplier.
- 6.) Cost of shear connectors (Granular or flux filled stud), cement nails, concrete sealer and 1/2" premolded joint filler is included in the cost of Concrete Structures.
- 7.) The contractor shall make allowance for the deflection of forms, shrinkage and settlement of falsework, in addition to allowance for dead load deflection.
- 8.) Permanent steel sheet piling shall meet the requirements of ASTM A572 Gr 50. Permanent steel sheet piling shall have a required section modulus that meets or exceeds the necessary section modulus after final wall design.
- 9.) If Contractor elects to use larger Permanent Sheet Piling size, sheet pile concrete cap size shall increase as requirement to fit wall. New size shall be approved by Engineer and provided at no additional cost to the contract.
- 10.) Backfill shall be placed behind the wall after the concrete has been poured and falsework removed. See Article 502.10 of the Standard Specifications.
- 11.) The formliner pattern shall be chosen by the Owner prior to construction. Formliner limits shall be on exposed faces of concrete wall facing and shall extend a minimum 1'-0" below finished grade. The formliner coursing on concrete facing shall be level and the formliner pattern shall be continuous across the vertical joints.
- 12.) Exploratory excavation shall be performed to locate existing utilities within the project area limit and shall be included in the cost of Permanent Sheet Piling.
- 13.) A structural geotechnical report is not yet available. When completed, report can be provided by the Owner for Contractor review.
- 14.) Protection and restoration of existing property is the responsibility of the Contractor and vibration levels caused by equipment used to install Permanent Sheet Piling shall be selected to minimize the potential for damage to nearby structures.
- 15.) All concrete work shall be in accordance with Section 503 of the Standard Specifications.
- 16.) Concrete structures calculated based on sheet piling size PZ27. If larger Permanent Sheet Pile is used, sheet pile concrete cap size shall increase as required to fit wall. New size shall be approved by the engineer and all concrete, reinforcement, and sheeting shall be provided at no additional cost to the contract.
- 16.) Contractor shall submit reinforcement shop drawings for wall and cap at least 2 weeks prior to the start of construction. Drawings shall be approved by Engineer prior to order.

C308	Access Road Retaining Wall – General Notes and Bill of Material
C309	Access Road Retaining Wall – General Plan, and Elevation (1 of 2)
C310	Access Road Retaining Wall – General Plan, and Elevation (2 of 2)
C311	Access Road Retaining Wall – Structural Details

ITEM	UNIT	TOTAL
Structure Excavation	Cu Yd	106.1
Concrete Structures	Cu Yd	70.2
Reinforcement Bars, Epoxy Coated	Pound	8420
Permanent Sheet Piling	Sq Ft	3720
Concrete Sealer	Sq Ft	1419
Textured Formliner	Sq Ft	85.2
Type B Gutter	Foot	203

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[illegible]

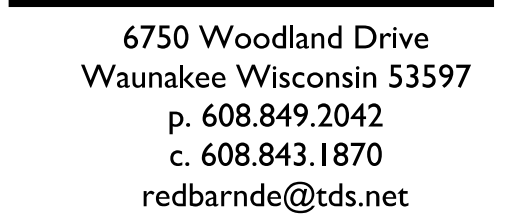
Site Improvements
Elder Park
Winnetka, IL

Winnetka Park District
Winnetka, IL

Scale

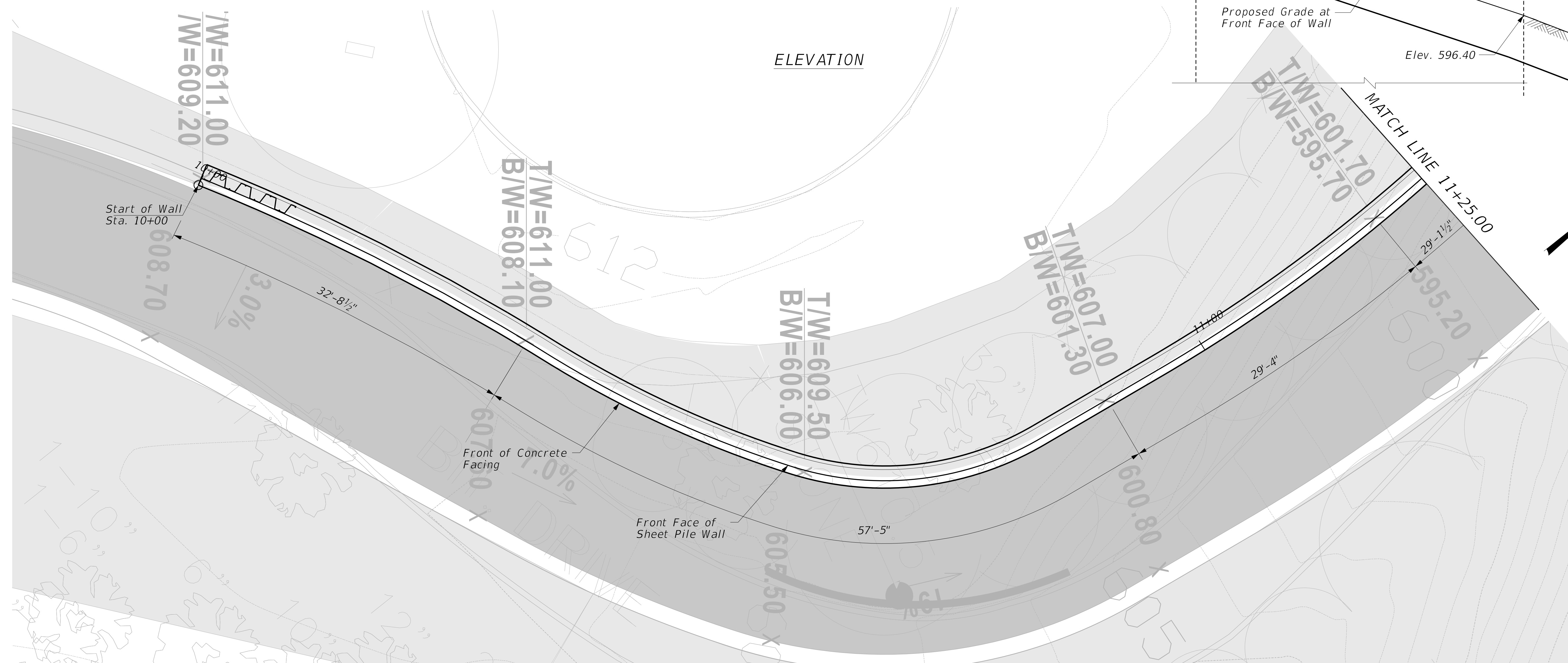
ACCESS ROAD RETAINING WALL GENERAL NOTES AND BILL OF MATERIAL

Sheet No. **C308**

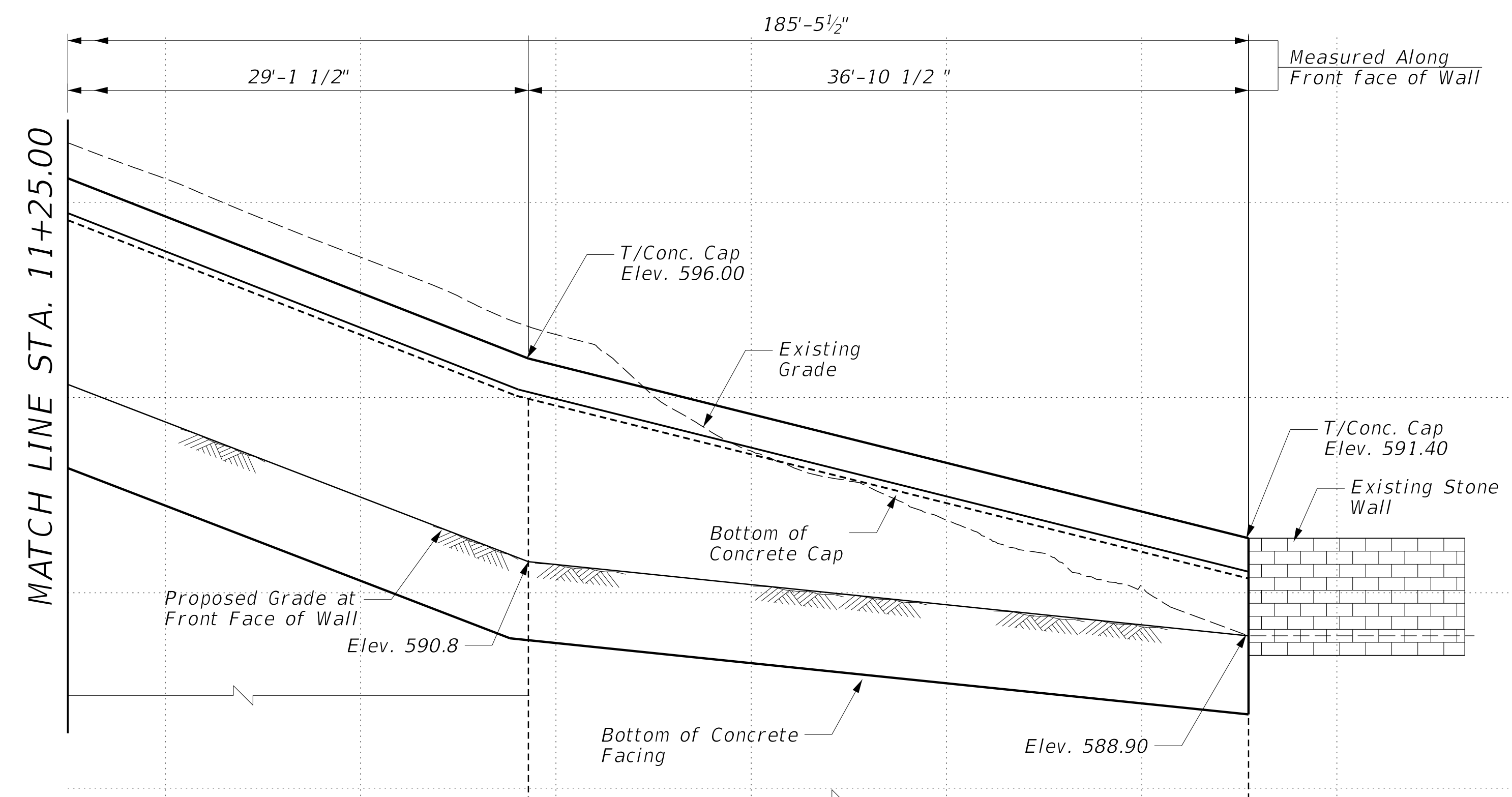
[illegible]

ACCESS ROAD
RETAINING WALL
GENERAL PLAN
AND ELEVATION
(1 OF 2)

Sheet No. **C309**

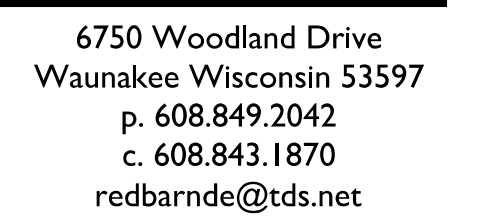


PLAN

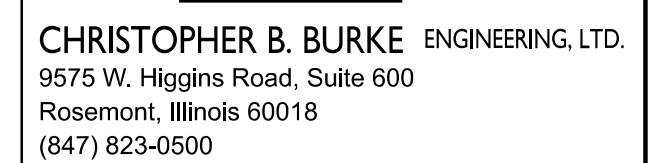




Do not run any reinforcement bars thru joint.
Max joint spacing = 30'-0"
Locate joint at interlock



Consultants

[illegible]

Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

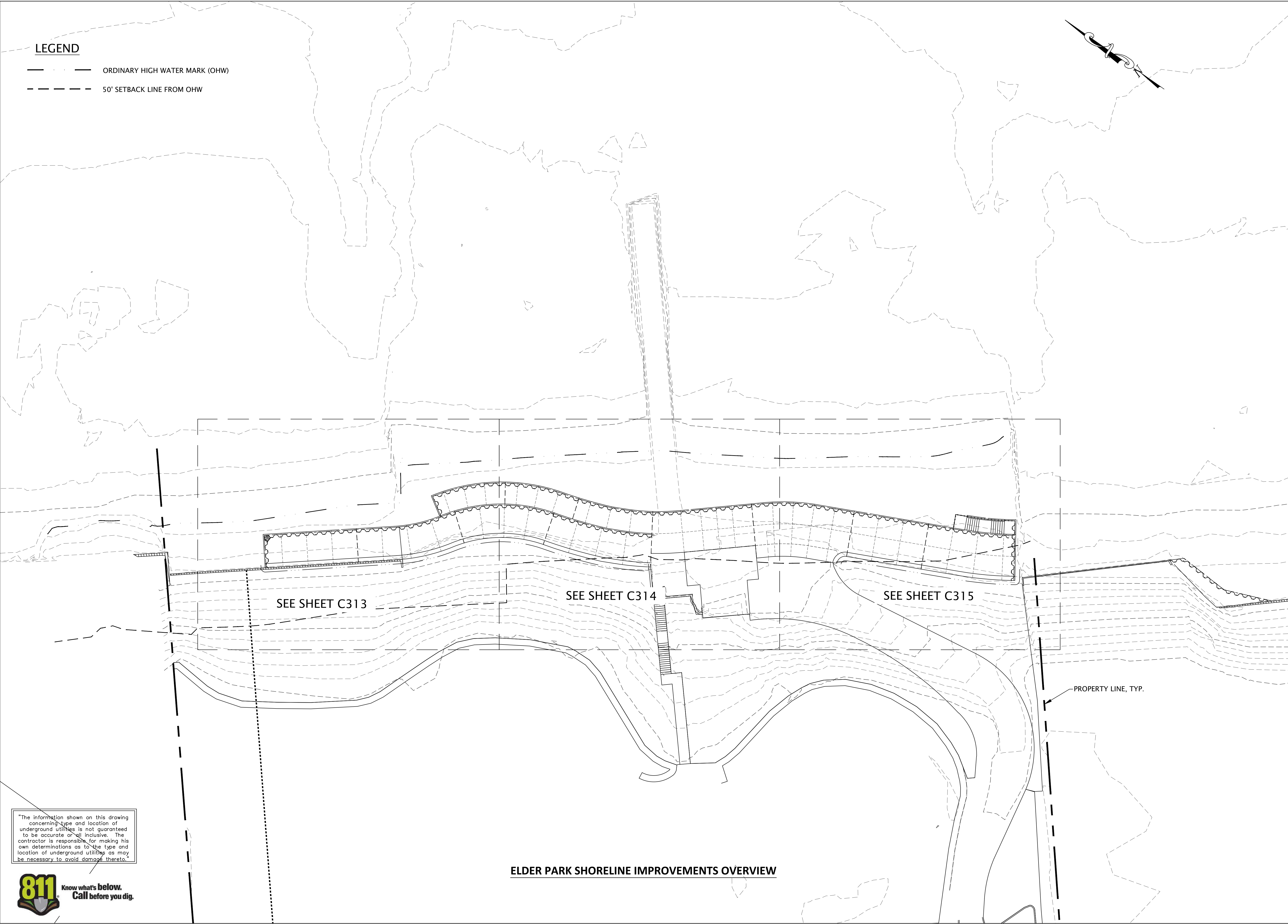
Scale

Drawing Title

ACCESS ROAD RETINING WALL STRUCTURAL DETAILS

Sheet No.

C311



LEGEND

- — — — — ORDINARY HIGH WATER MARK (OHW)
- - - - - 50' SETBACK LINE FROM OHW



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70% Submittal	07/26/24
100% Submittal	08/16/24
Bidding and Construction	08/30/24

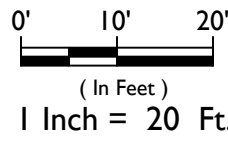
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



Scale

1 Inch = 20 Ft.

Drawing Title

SHORELINE IMPROVEMENT
OVERVIEW

Sheet No.

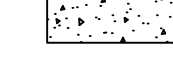
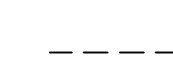
C312

"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."



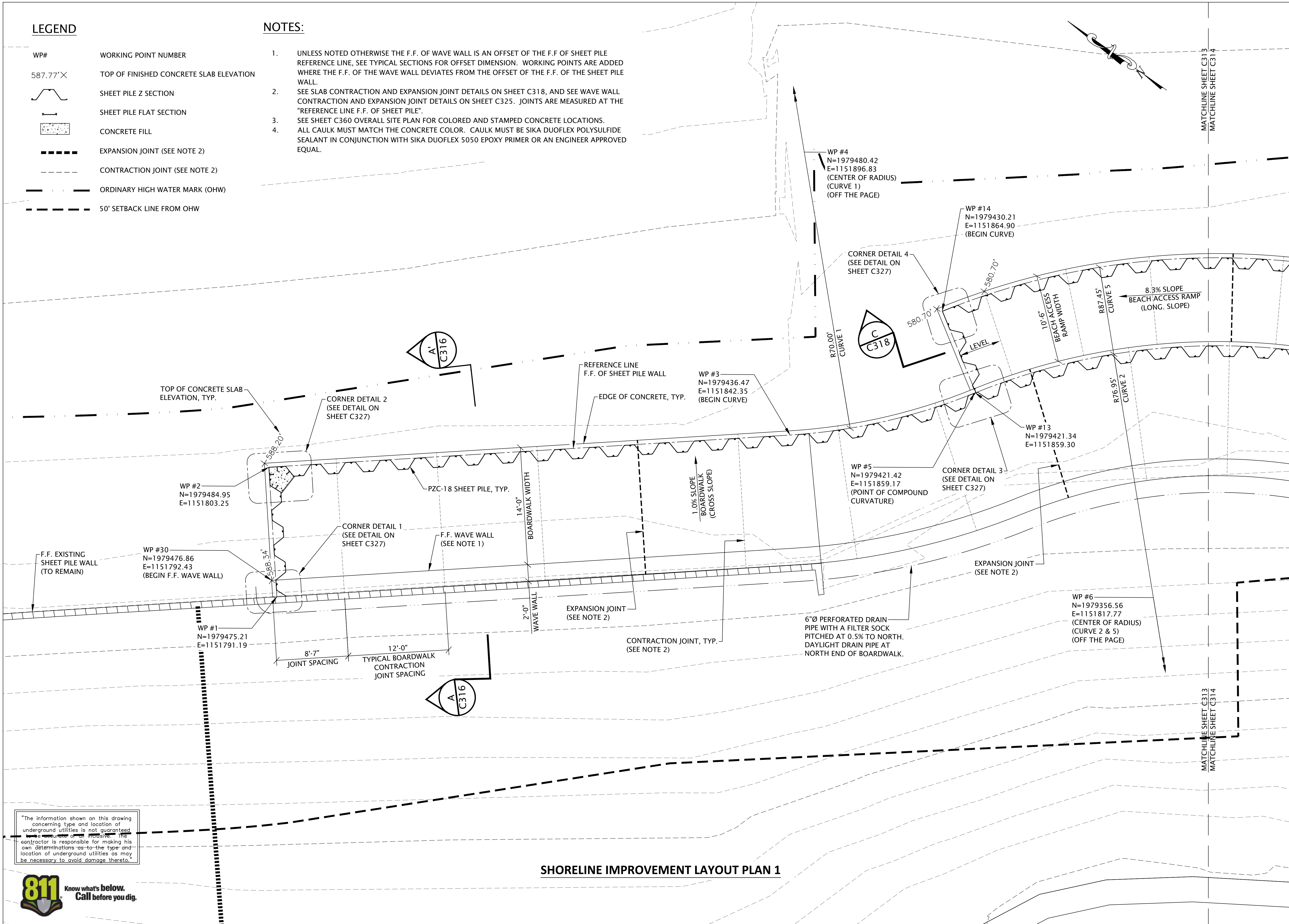
ELDER PARK SHORELINE IMPROVEMENTS OVERVIEW

LEGEND

WP#	WORKING POINT NUMBER
587.77'X	TOP OF FINISHED CONCRETE SLAB ELEVATION
	SHEET PILE Z SECTION
	SHEET PILE FLAT SECTION
	CONCRETE FILL
	EXPANSION JOINT (SEE NOTE 2)
	CONTRACTION JOINT (SEE NOTE 2)
	ORDINARY HIGH WATER MARK (OHW)
	50' SETBACK LINE FROM OHW

NOTES:

1. UNLESS NOTED OTHERWISE THE F.F. OF WAVE WALL IS AN OFFSET OF THE F.F. OF SHEET PILE REFERENCE LINE, SEE TYPICAL SECTIONS FOR OFFSET DIMENSION. WORKING POINTS ARE ADDED WHERE THE F.F. OF THE WAVE WALL DEVIATES FROM THE OFFSET OF THE F.F. OF THE SHEET PILE WALL.
2. SEE SLAB CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C318, AND SEE WAVE WALL CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C325. JOINTS ARE MEASURED AT THE "REFERENCE LINE F.F. OF SHEET PILE".
3. SEE SHEET C360 OVERALL SITE PLAN FOR COLORED AND STAMPED CONCRETE LOCATIONS.
4. ALL CAULK MUST MATCH THE CONCRETE COLOR. CAULK MUST BE SIKADUOFLEX POLYSULFIDE SEALANT IN CONJUNCTION WITH SIKADUOFLEX 5050 EPOXY PRIMER OR AN ENGINEER APPROVED EQUAL.



SHORELINE IMPROVEMENT LAYOUT PLAN 1



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70% Submittal	07/26/24
100% Submittal	08/16/24
Bidding and Construction	08/30/24

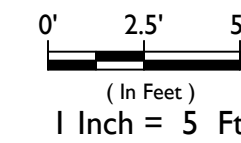
Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



Scale 1 Inch = 5 Ft.

Drawing Title

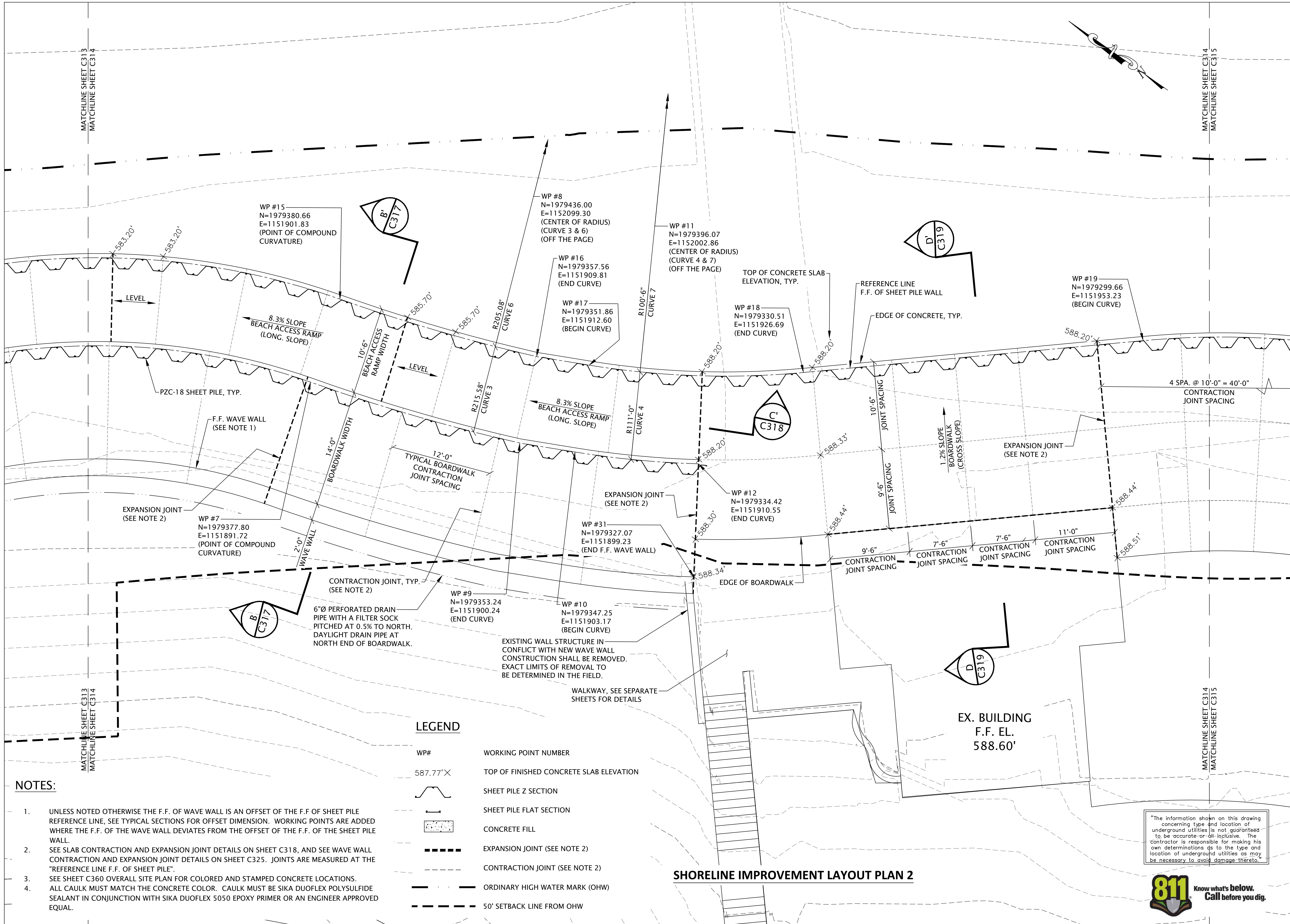
SHORELINE IMPROVEMENT
LAYOUT PLAN I

Sheet No.

C313

"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or complete. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."





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Bidding and Construction	08/30/24

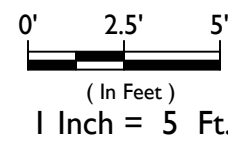
Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



Scale 1 Inch = 5 Ft.

Drawing Title

SHORELINE IMPROVEMENT
LAYOUT PLAN 2

Sheet No.

C314

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p. 608.588.7866

[illegible]

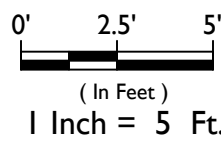
Project Title:

Site Improvements Elder Lane Park Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



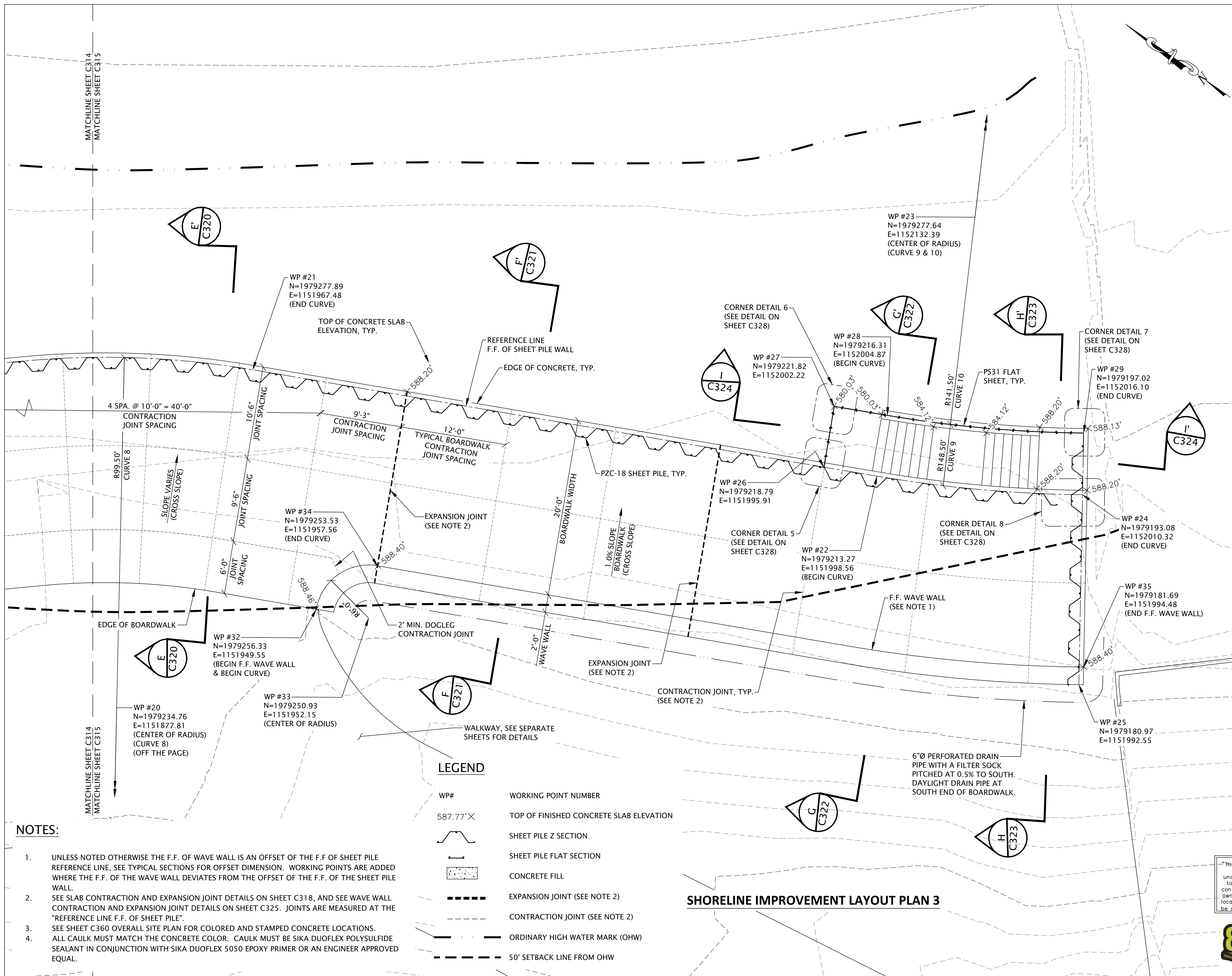
Scale 1 Inch = 5 Ft.

Drawing Title

SHORELINE IMPROVEMENT
LAYOUT PLAN 3

Sheet No.

C315

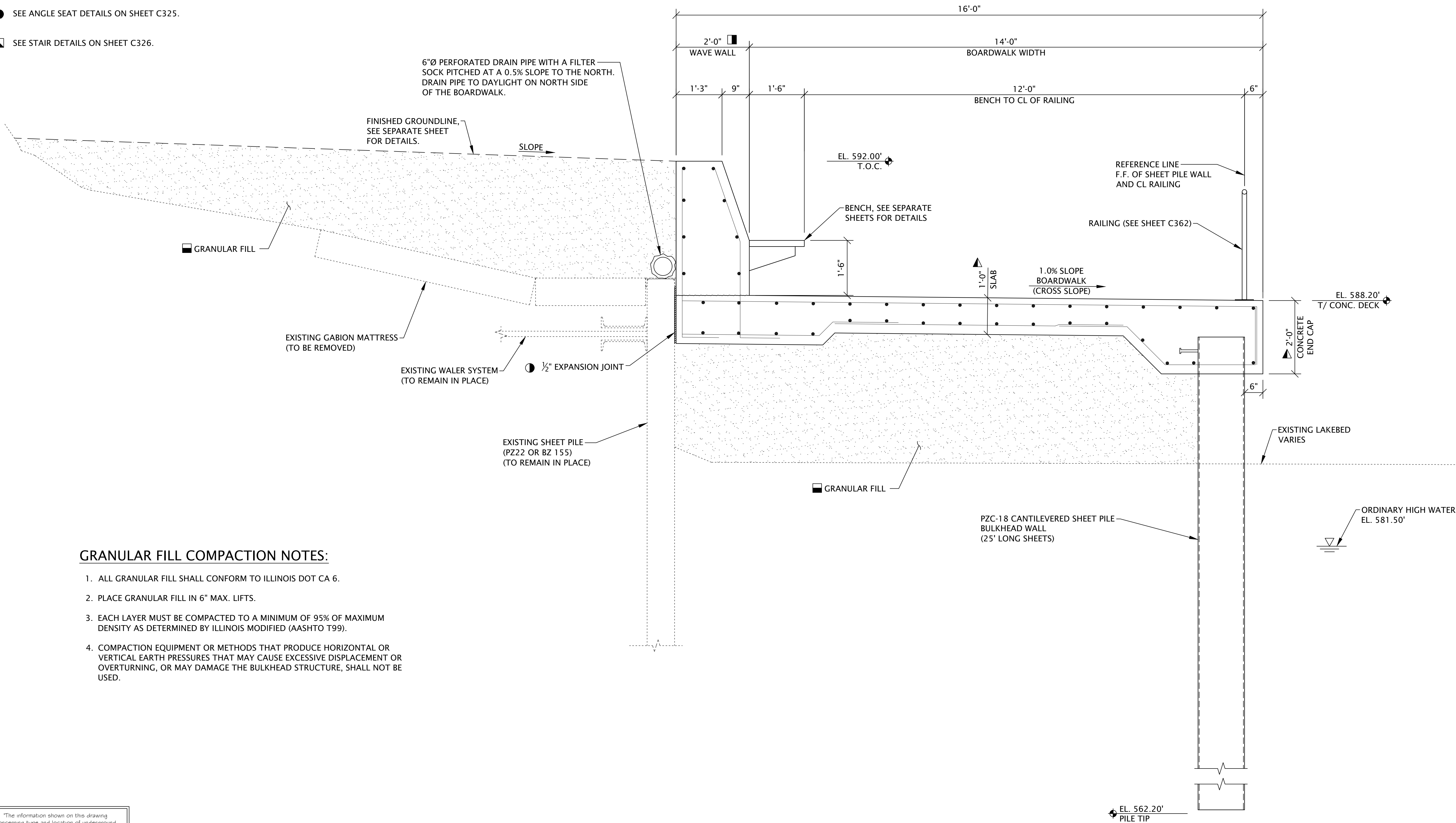


LEGEND:

- SEE "GRANULAR FILL COMPACTION NOTES" ON SHEET C316 FOR MORE DETAILS.
- SEE CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C318.
- ▲ SEE DETAIL BULKHEAD WALL CONCRETE CAP AND SLAB DETAILS ON SHEET C325.
- ▮ SEE WAVE WALL DETAILS ON SHEET C325.
- SEE ANGLE SEAT DETAILS ON SHEET C325.
- SEE STAIR DETAILS ON SHEET C326.

NOTES:

1. SEE SHEET C360 OVERALL SITE PLAN FOR COLORED AND STAMPED CONCRETE LOCATIONS.
2. ALL CAULK MUST MATCH THE CONCRETE COLOR. CAULK MUST BE SIKA DUOFLEX POLYSULFIDE SEALANT IN CONJUNCTION WITH SIKA DUOFLEX 5050 EPOXY PRIMER OR AN ENGINEER APPROVED EQUAL.



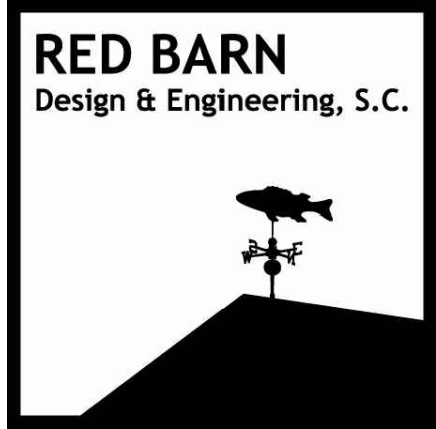
GRANULAR FILL COMPACTION NOTES:

1. ALL GRANULAR FILL SHALL CONFORM TO ILLINOIS DOT CA 6.
2. PLACE GRANULAR FILL IN 6" MAX. LIFTS.
3. EACH LAYER MUST BE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DENSITY AS DETERMINED BY ILLINOIS MODIFIED (AASHTO T99).
4. COMPACTION EQUIPMENT OR METHODS THAT PRODUCE HORIZONTAL OR VERTICAL EARTH PRESSURES THAT MAY CAUSE EXCESSIVE DISPLACEMENT OR OVERTURNING, OR MAY DAMAGE THE BULKHEAD STRUCTURE, SHALL NOT BE USED.

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SHORELINE IMPROVEMENT TYPICAL SECTION A-A'



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100% Submittal	08/16/24
Bidding and Construction	08/30/24

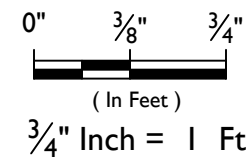
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



Scale: 3/4" Inch = 1 Ft.

Drawing Title

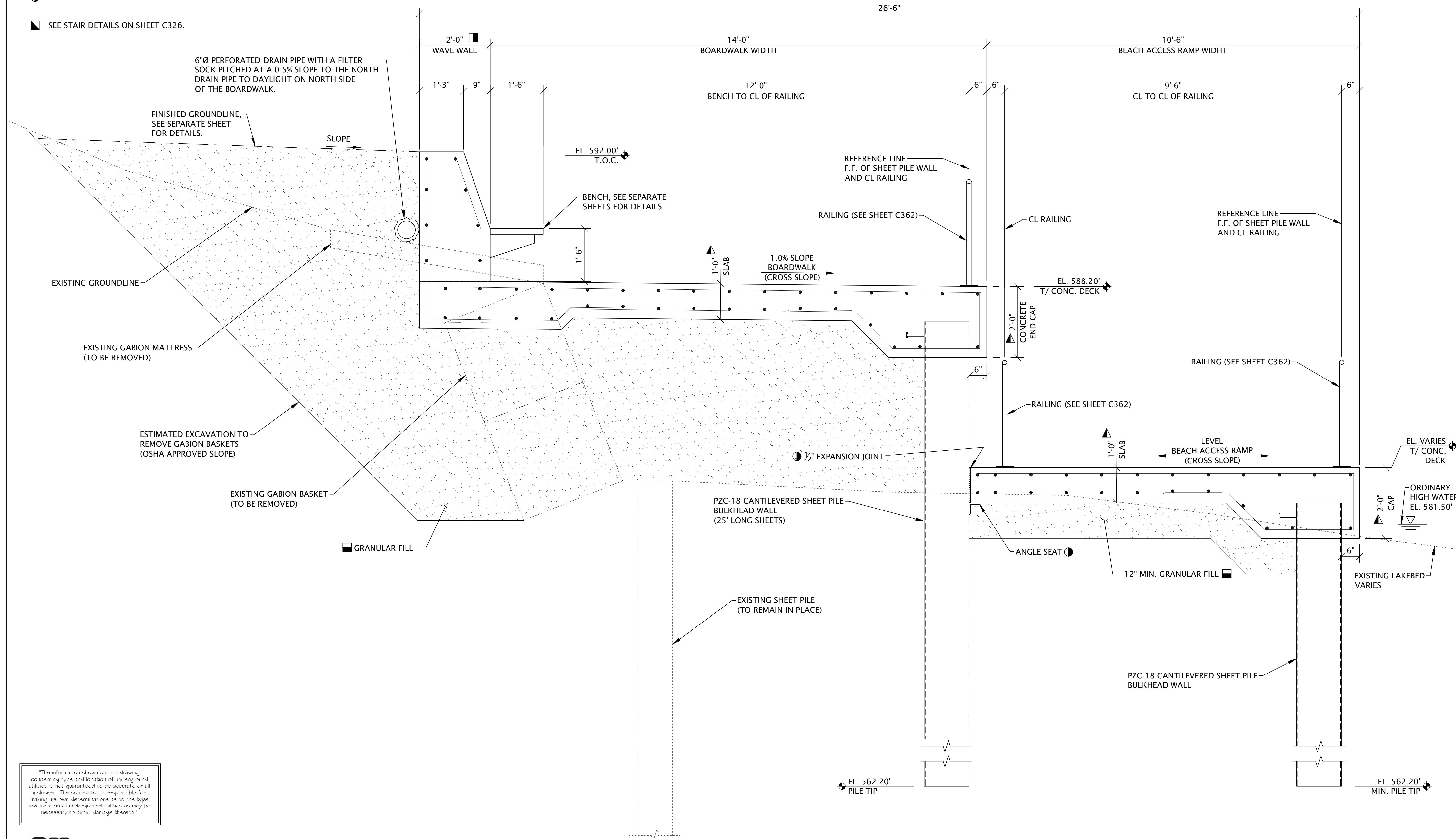
SHORELINE IMPROVEMENTS
SECTIONS AND DETAILS
SECTION A-A'

Sheet No.

C316

- SEE "GRANULAR FILL COMPACTION NOTES" ON SHEET C316 FOR MORE DETAILS.
- SEE CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C318.
- SEE DETAIL BULKHEAD WALL CONCRETE CAP AND SLAB DETAILS ON SHEET C325.
- SEE WAVE WALL DETAILS ON SHEET C325.
- SEE ANGLE SEAT DETAILS ON SHEET C325.
- SEE STAIR DETAILS ON SHEET C326.

1. SEE SHEET C360 OVERALL SITE PLAN FOR COLORED AND STAMPED CONCRETE LOCATIONS.
2. ALL CAULK MUST MATCH THE CONCRETE COLOR. CAULK MUST BE SIKADUOFLEX POLYSULFIDE SEALANT IN CONJUNCTION WITH SIKADUOFLEX 5050 EPOXY PRIMER OR AN ENGINEER APPROVED EQUAL.



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[illegible]

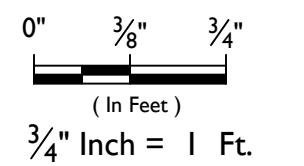
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



Scale: $\frac{3}{4}$ " Inch = 1 Ft.

Drawing Title

SHORELINE IMPROVEMENTS
SECTIONS AND DETAILS
SECTION B-B'

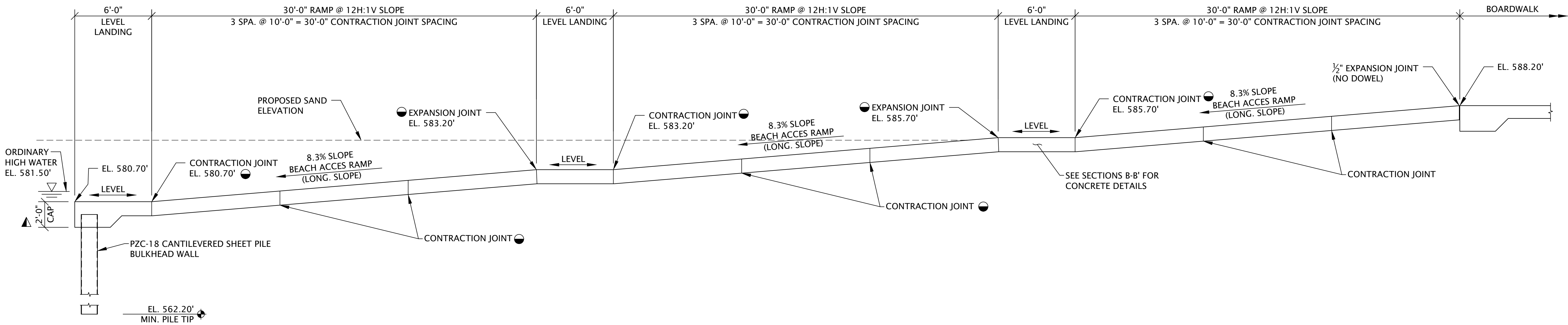
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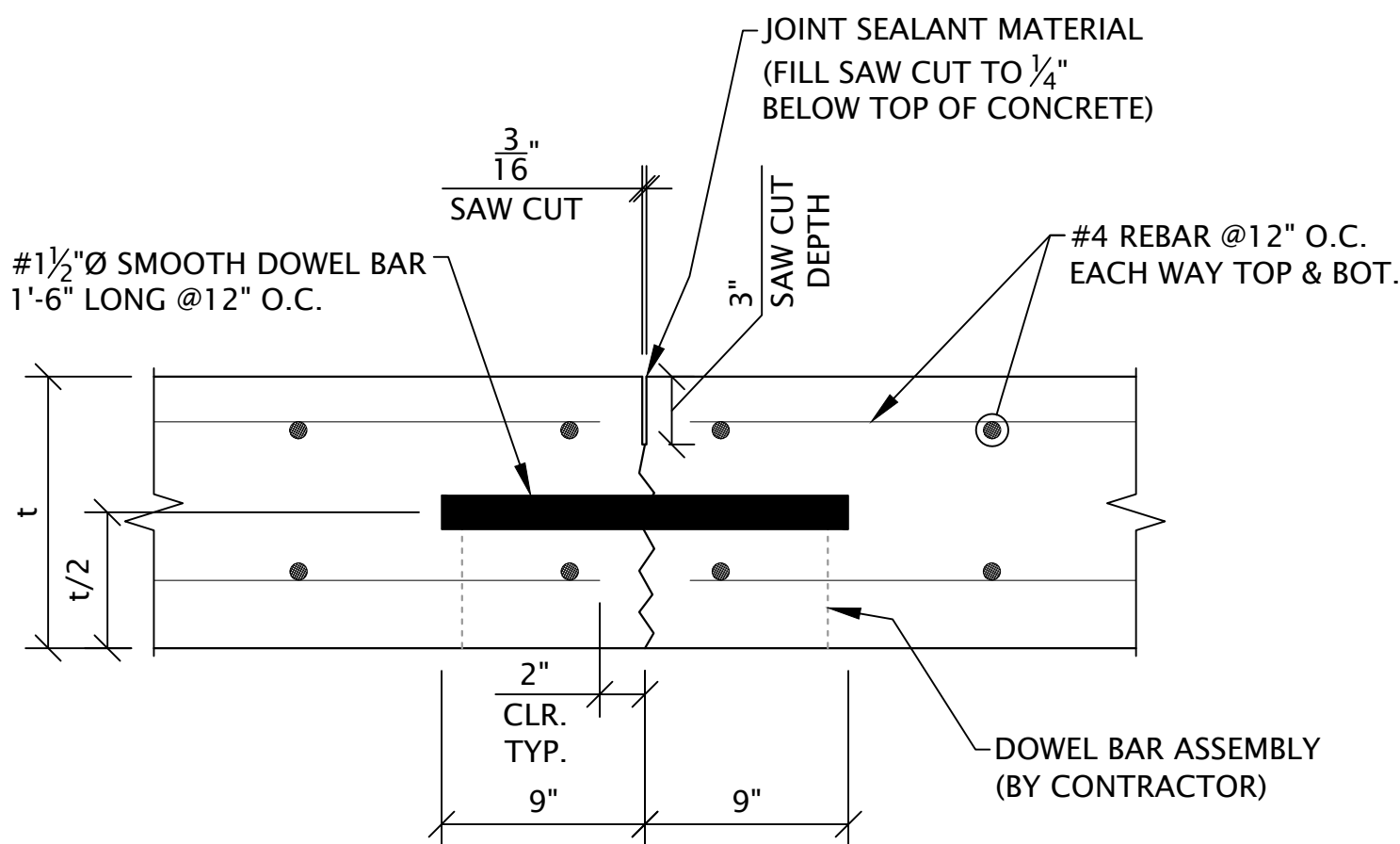
- SEE "GRANULAR FILL COMPACTION NOTES" ON SHEET C316 FOR MORE DETAILS.
- SEE CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C318.
- SEE DETAIL BULKHEAD WALL CONCRETE CAP AND SLAB DETAILS ON SHEET C325.
- SEE WAVE WALL DETAILS ON SHEET C325.
- SEE ANGLE SEAT DETAILS ON SHEET C325.
- SEE STAIR DETAILS ON SHEET C326.

NOTES:

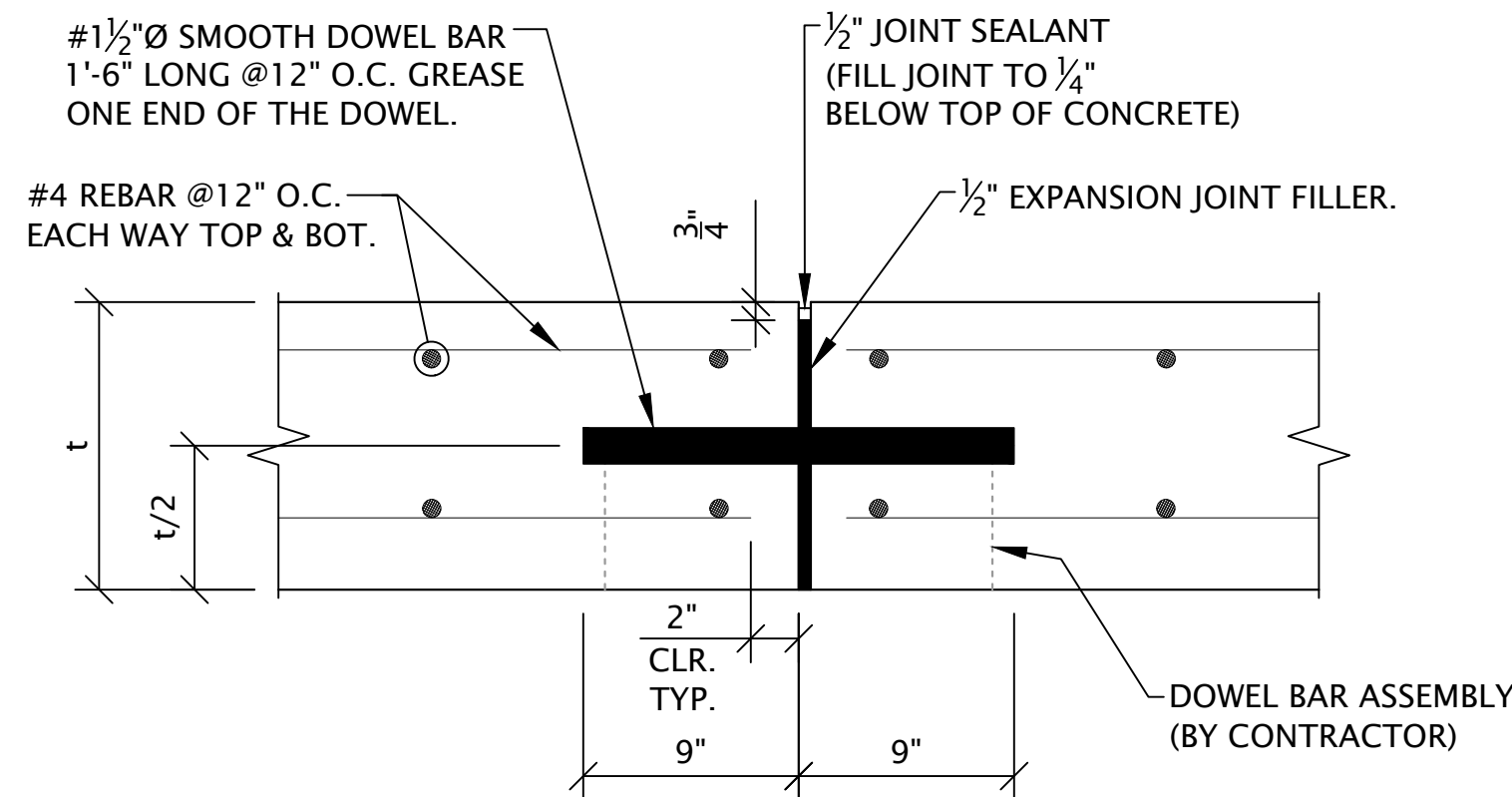
1. SEE SHEET C360 OVERALL SITE PLAN FOR COLORED AND STAMPED CONCRETE LOCATIONS.
2. ALL CAULK MUST MATCH THE CONCRETE COLOR. CAULK MUST BE SIKA DUOFLEX POLYSULFIDE SEALANT IN CONJUNCTION WITH SIKA DUOFLEX 5050 EPOXY PRIMER OR AN ENGINEER APPROVED EQUAL.



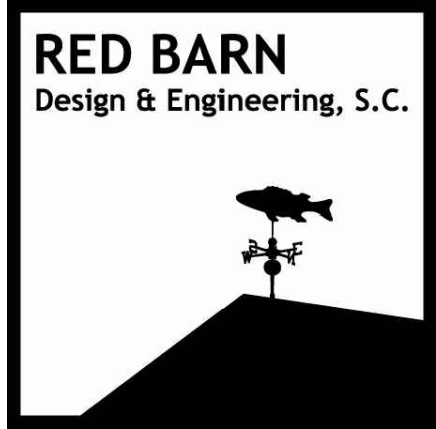
SHORELINE IMPROVEMENT TYPICAL SECTION C-C'



TYPICAL SLAB CONTRACTION JOINT DETAIL



TYPICAL SLAB EXPANSION JOINT DETAIL



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p. 608.588.7866

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100% Submittal	08/16/24
Bidding and Construction	08/30/24

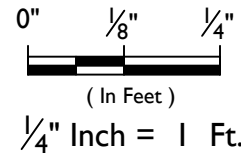
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



Scale: 3/4" Inch = 1 Ft.

Drawing Title

SHORELINE IMPROVEMENTS
SECTIONS AND DETAILS
SECTION C-C'

Sheet No.

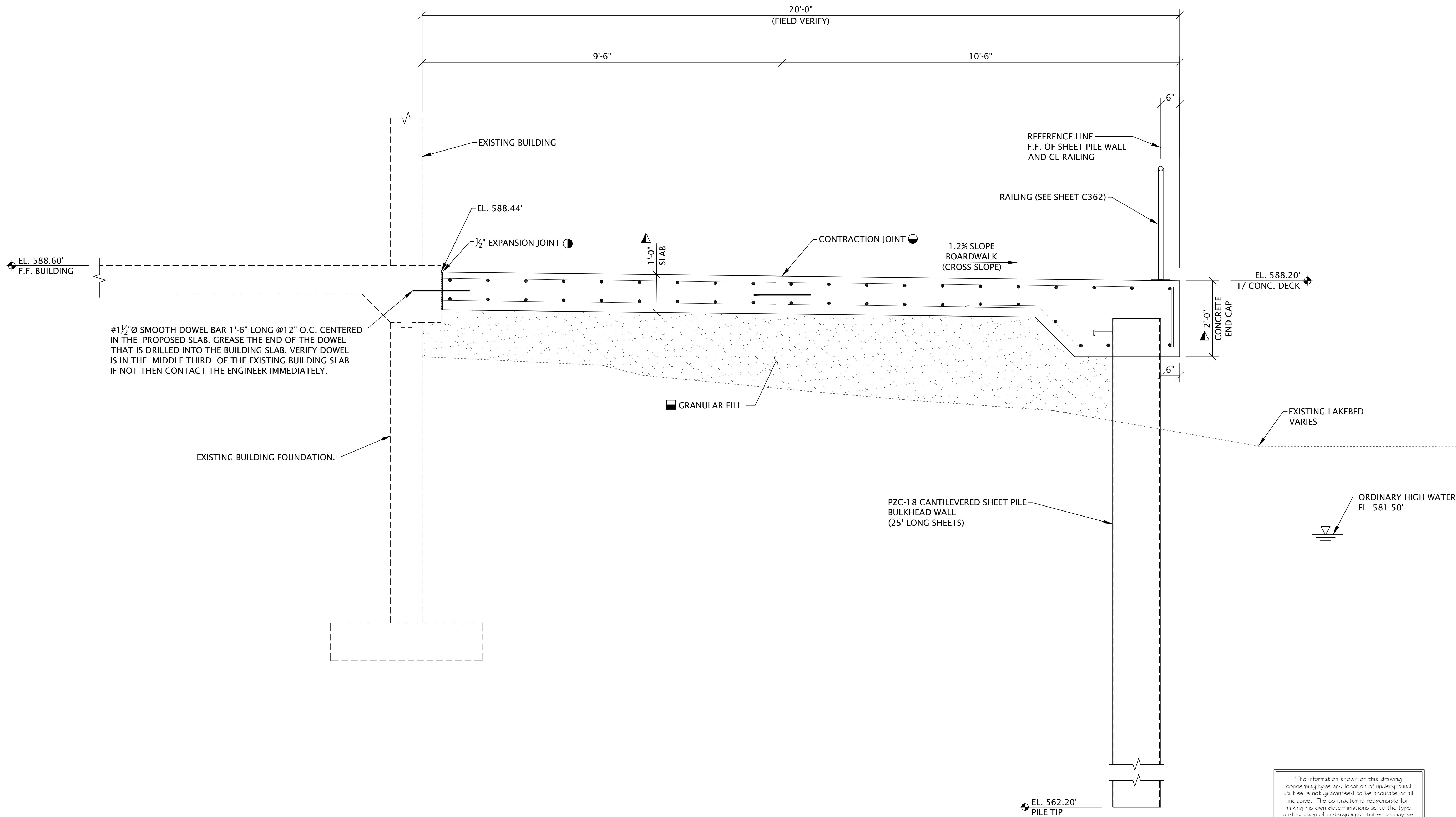
C318

LEGEND:

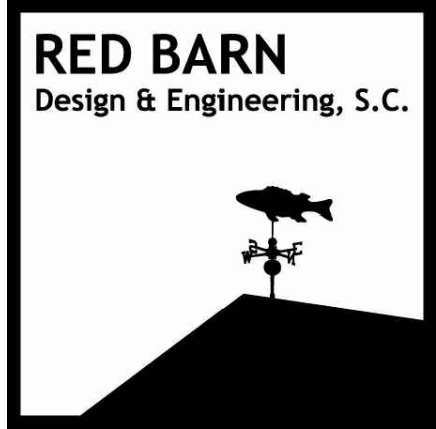
-  SEE "GRANULAR FILL COMPACTION NOTES" ON SHEET C316 FOR MORE DETAILS.
-  SEE CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C318.
-  SEE DETAIL BULKHEAD WALL CONCRETE CAP AND SLAB DETAILS ON SHEET C325.
-  SEE WAVE WALL DETAILS ON SHEET C325.
-  SEE ANGLE SEAT DETAILS ON SHEET C325.
-  SEE STAIR DETAILS ON SHEET C326.

NOTES:

1. SEE SHEET C360 OVERALL SITE PLAN FOR COLORED AND STAMPED CONCRETE LOCATIONS.
2. ALL CAULK MUST MATCH THE CONCRETE COLOR. CAULK MUST BE SIKA DUOFLEX POLYSULFIDE SEALANT IN CONJUNCTION WITH SIKA DUOFLEX 5050 EPOXY PRIMER OR AN ENGINEER APPROVED EQUAL.



SHORELINE IMPROVEMENT TYPICAL SECTION D-D'



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70% Submittal	07/26/24
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Bidding and Construction	08/30/24

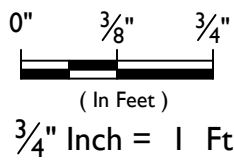
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



Scale: 3/4" Inch = 1 Ft.

Drawing Title

SHORELINE IMPROVEMENTS
SECTIONS AND DETAILS
SECTION D-D'

Sheet No.

C319

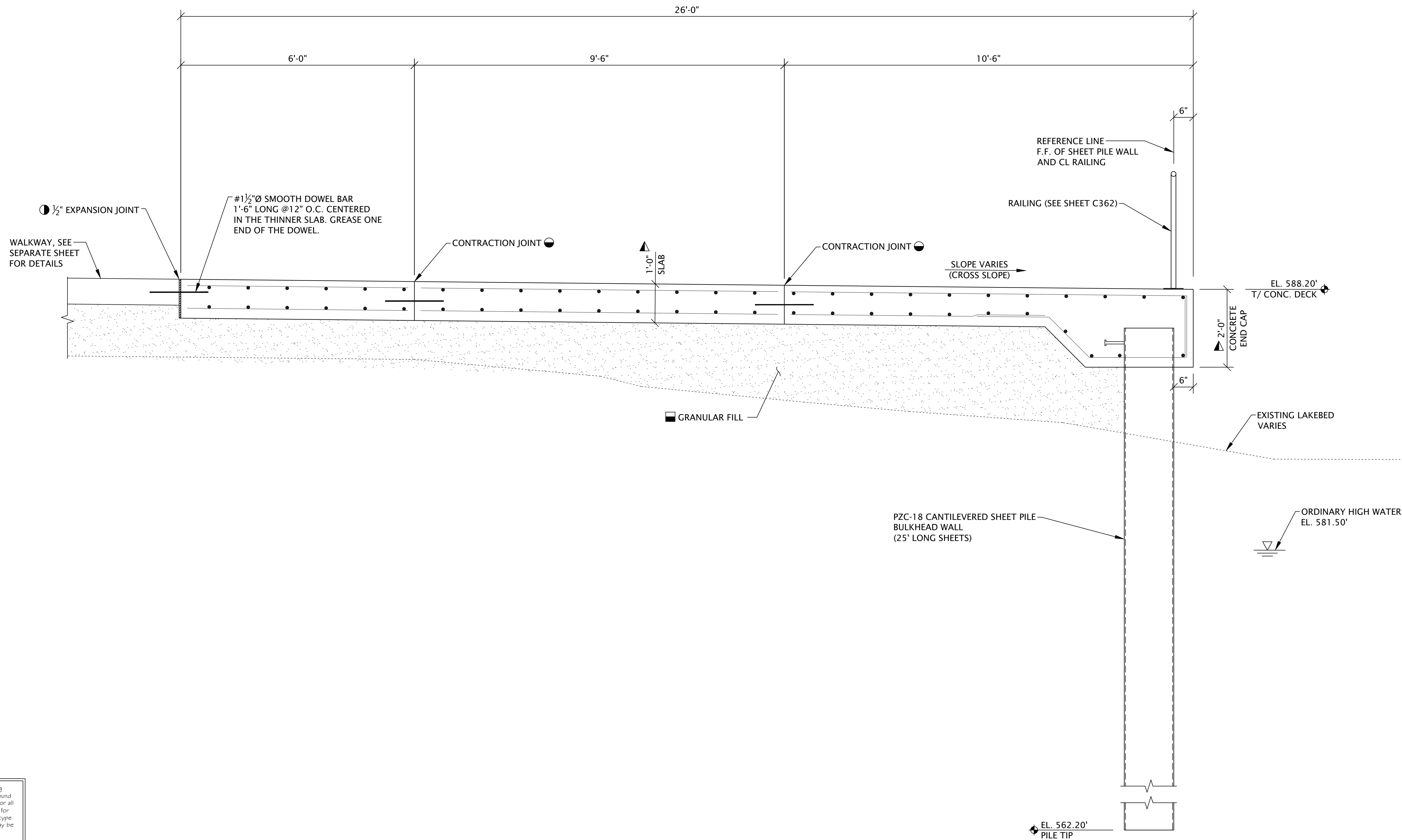


LEGEND:

-  SEE "GRANULAR FILL COMPACTION NOTES" ON SHEET C316 FOR MORE DETAILS.
-  SEE CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C318.
-  SEE DETAIL BULKHEAD WALL CONCRETE CAP AND SLAB DETAILS ON SHEET C325.
-  SEE WAVE WALL DETAILS ON SHEET C325.
-  SEE ANGLE SEAT DETAILS ON SHEET C325.
-  SEE STAIR DETAILS ON SHEET C326.

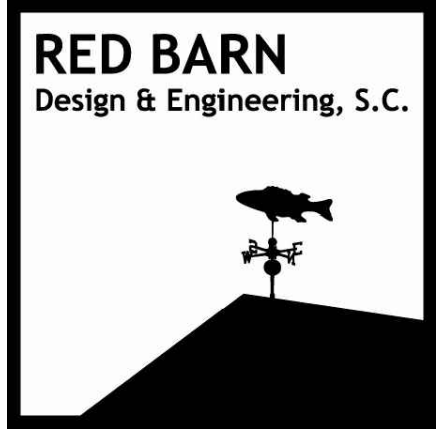
NOTES:

1. SEE SHEET C360 OVERALL SITE PLAN FOR COLORED AND STAMPED CONCRETE LOCATIONS.
2. ALL CAULK MUST MATCH THE CONCRETE COLOR. CAULK MUST BE SIKA DUOFLEX POLYSULFIDE SEALANT IN CONJUNCTION WITH SIKA DUOFLEX 5050 EPOXY PRIMER OR AN ENGINEER APPROVED EQUAL.



SHORELINE IMPROVEMENT TYPICAL SECTION E-E'

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p. 608.588.7866

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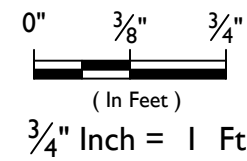
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



Scale: 3/4" Inch = 1 Ft.

Drawing Title

SHORELINE IMPROVEMENTS
SECTIONS AND DETAILS
SECTION E-E'

Sheet No.

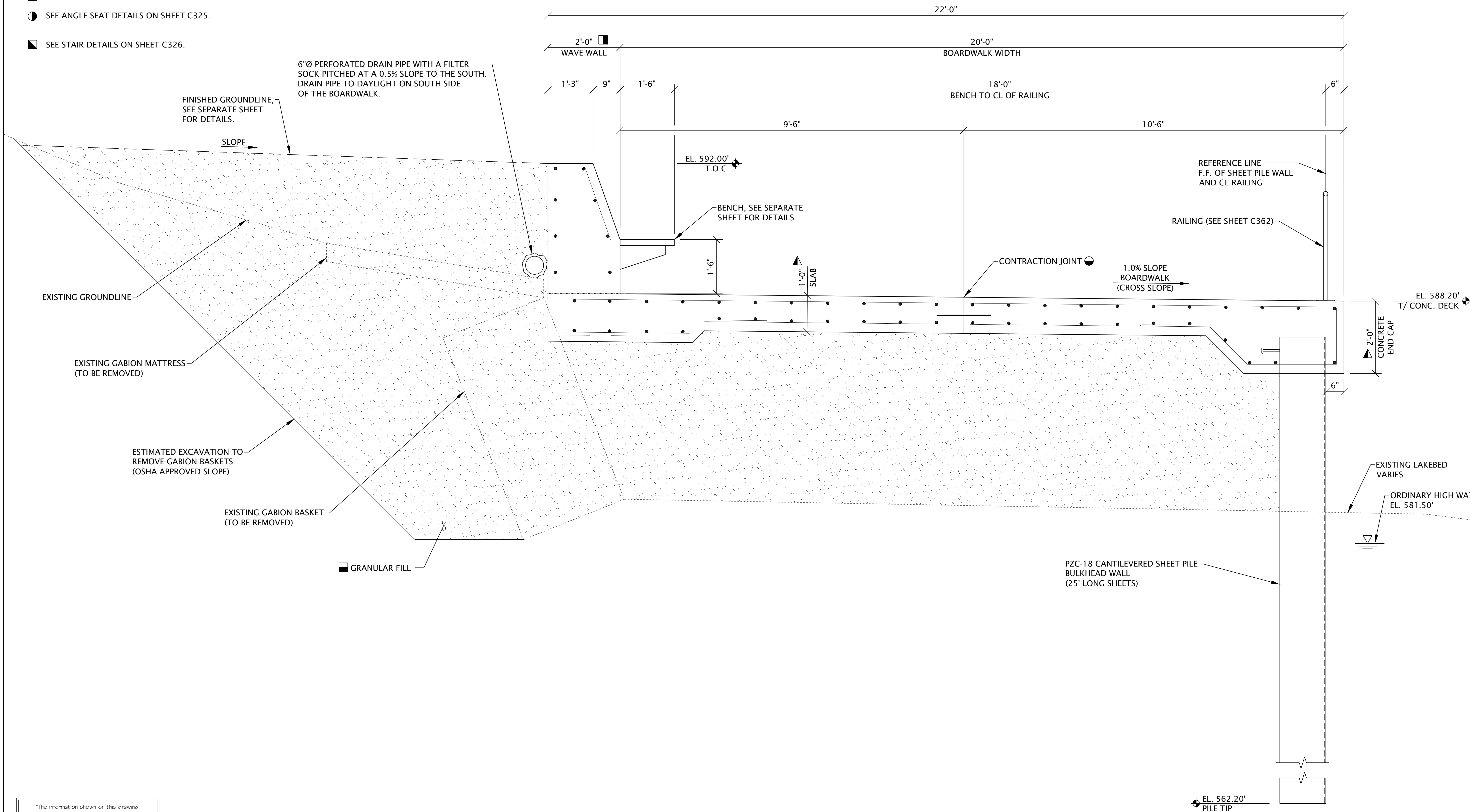
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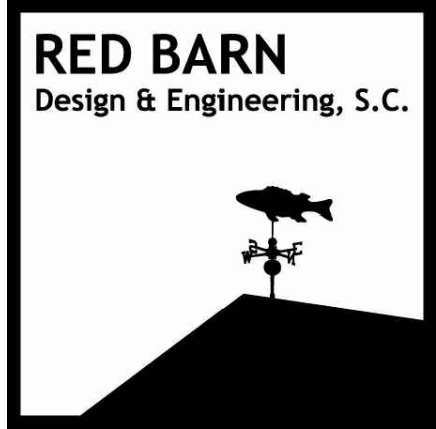
- SEE "GRANULAR FILL COMPACTION NOTES" ON SHEET C316 FOR MORE DETAILS.
- SEE CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C318.
- SEE DETAIL BULKHEAD WALL CONCRETE CAP AND SLAB DETAILS ON SHEET C325.
- SEE WAVE WALL DETAILS ON SHEET C325.
- SEE ANGLE SEAT DETAILS ON SHEET C325.
- SEE STAIR DETAILS ON SHEET C326.

NOTES:

- SEE SHEET C360 OVERALL SITE PLAN FOR COLORED AND STAMPED CONCRETE LOCATIONS.
- ALL CAULK MUST MATCH THE CONCRETE COLOR. CAULK MUST BE SIKA DUOFLEX POLYSULFIDE SEALANT IN CONJUNCTION WITH SIKA DUOFLEX 5050 EPOXY PRIMER OR AN ENGINEER APPROVED EQUAL.



SHORELINE IMPROVEMENT TYPICAL SECTION F-F'



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Consultants
WESTBROOK
Associated Engineers, Inc.
619 E. Hoxie St.
Spring Green Wisconsin 53588
p. 608.588.7866

Issued for	Rev. Date
70% Submittal	07/26/24
100% Submittal	08/16/24
Bidding and Construction	08/30/24

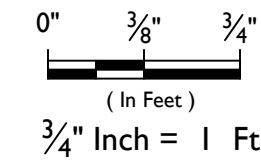
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



Scale: 3/4" Inch = 1 Ft.

Drawing Title

SHORELINE IMPROVEMENTS
SECTIONS AND DETAILS
SECTION F-F'

Sheet No.

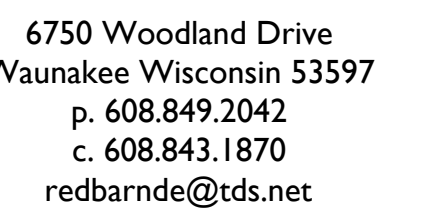
C321

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- SEE "GRANULAR FILL COMPACTION NOTES" ON SHEET C316 FOR MORE DETAILS.
- SEE CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C318.
- SEE DETAIL BULKHEAD WALL CONCRETE CAP AND SLAB DETAILS ON SHEET C325.
- SEE WAVE WALL DETAILS ON SHEET C325.
- SEE ANGLE SEAT DETAILS ON SHEET C325.
- SEE STAIR DETAILS ON SHEET C326.

1. SEE SHEET C360 OVERALL SITE PLAN FOR COLORED AND STAMPED CONCRETE LOCATIONS.
2. ALL CAULK MUST MATCH THE CONCRETE COLOR. CAULK MUST BE SIKA DUOFLEX POLYSULFIDE SEALANT IN CONJUNCTION WITH SIKA DUOFLEX 5050 EPOXY PRIMER OR AN ENGINEER APPROVED EQUAL.



WESTBROOK
Associated Engineers, Inc.

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p. 608.588.7866

[illegible]

Site Improvements Elder Lane Park Winnetka, IL

Winnetka Park District
Winnetka, IL

0" $\frac{3}{8}$ " $\frac{3}{4}$ "
(In Feet)
 $\frac{3}{4}$ " Inch = 1 Ft.

Scale: $\frac{3}{4}$ " Inch = 1 Ft.

Drawing Title

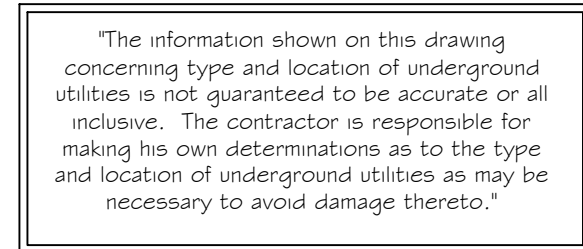
SHORELINE IMPROVEMENTS
SECTIONS AND DETAILS
SECTION G-G'

Sheet No. C322

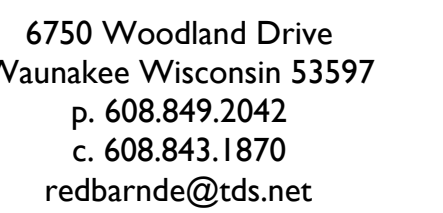


- SEE "GRANULAR FILL COMPACTION NOTES" ON SHEET C316 FOR MORE DETAILS.
- SEE CONTRACTION AND EXPANSION JOINT DETAILS ON SHEET C318.
- SEE DETAIL BULKHEAD WALL CONCRETE CAP AND SLAB DETAILS ON SHEET C325.
- SEE WAVE WALL DETAILS ON SHEET C325.
- SEE ANGLE SEAT DETAILS ON SHEET C325.
- SEE STAIR DETAILS ON SHEET C326.

1. SEE SHEET C360 OVERALL SITE PLAN FOR COLORED AND STAMPED CONCRETE LOCATIONS.
2. ALL CAULK MUST MATCH THE CONCRETE COLOR. CAULK MUST BE SIKADUOFLEX POLYSULFIDE SEALANT IN CONJUNCTION WITH SIKADUOFLEX 5050 EPOXY PRIMER OR AN ENGINEER APPROVED EQUAL.



811 Know what's below.
Call before you dig.



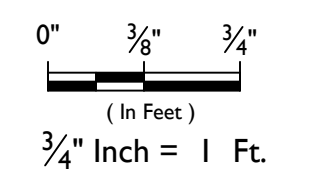
WESTBROOK
Associated Engineers, Inc.

619 E. Hoxie St.
Spring Green Wisconsin 53588
p. 608.588.7866

Project Title:

Prepared For:

Graphic Scale:

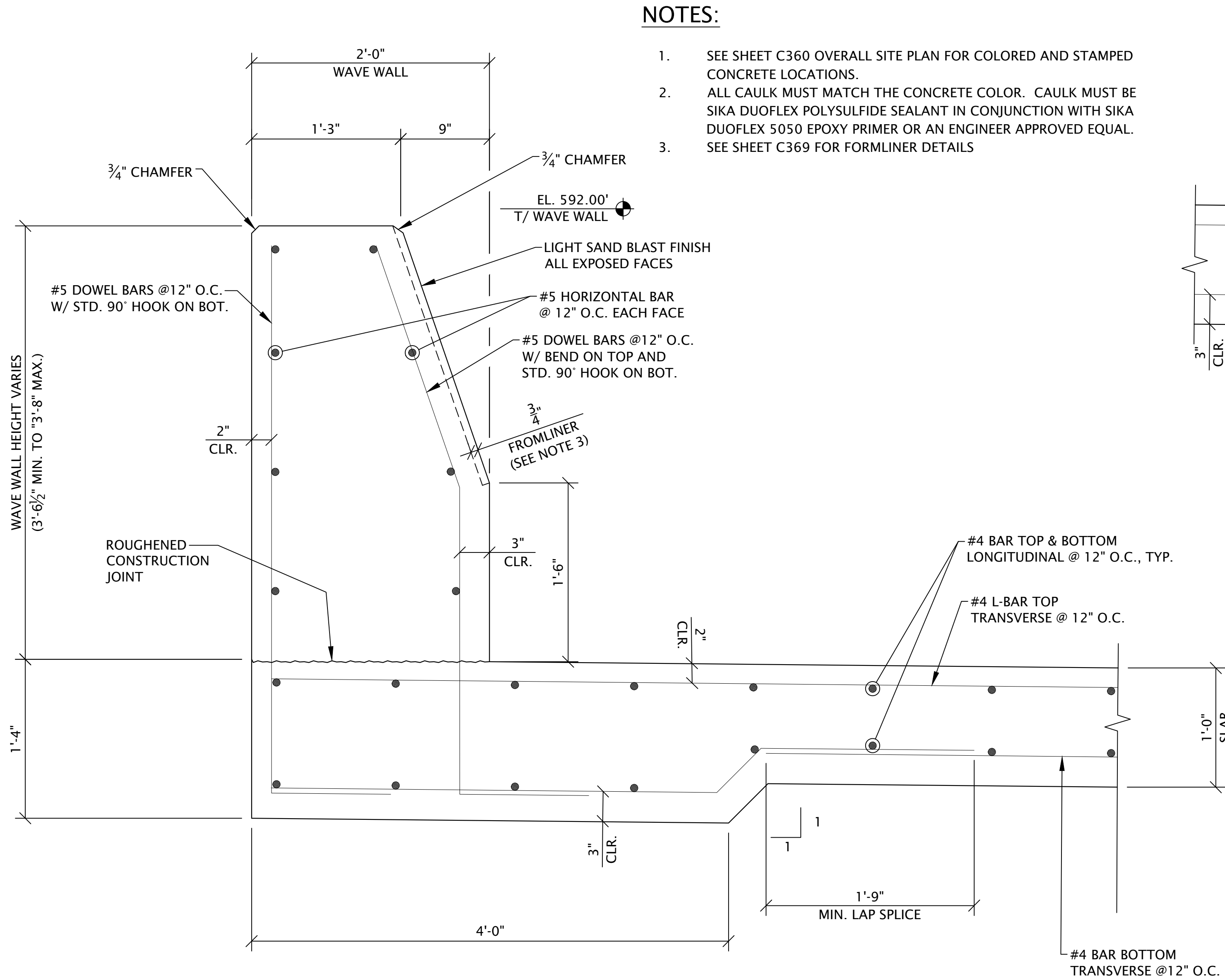


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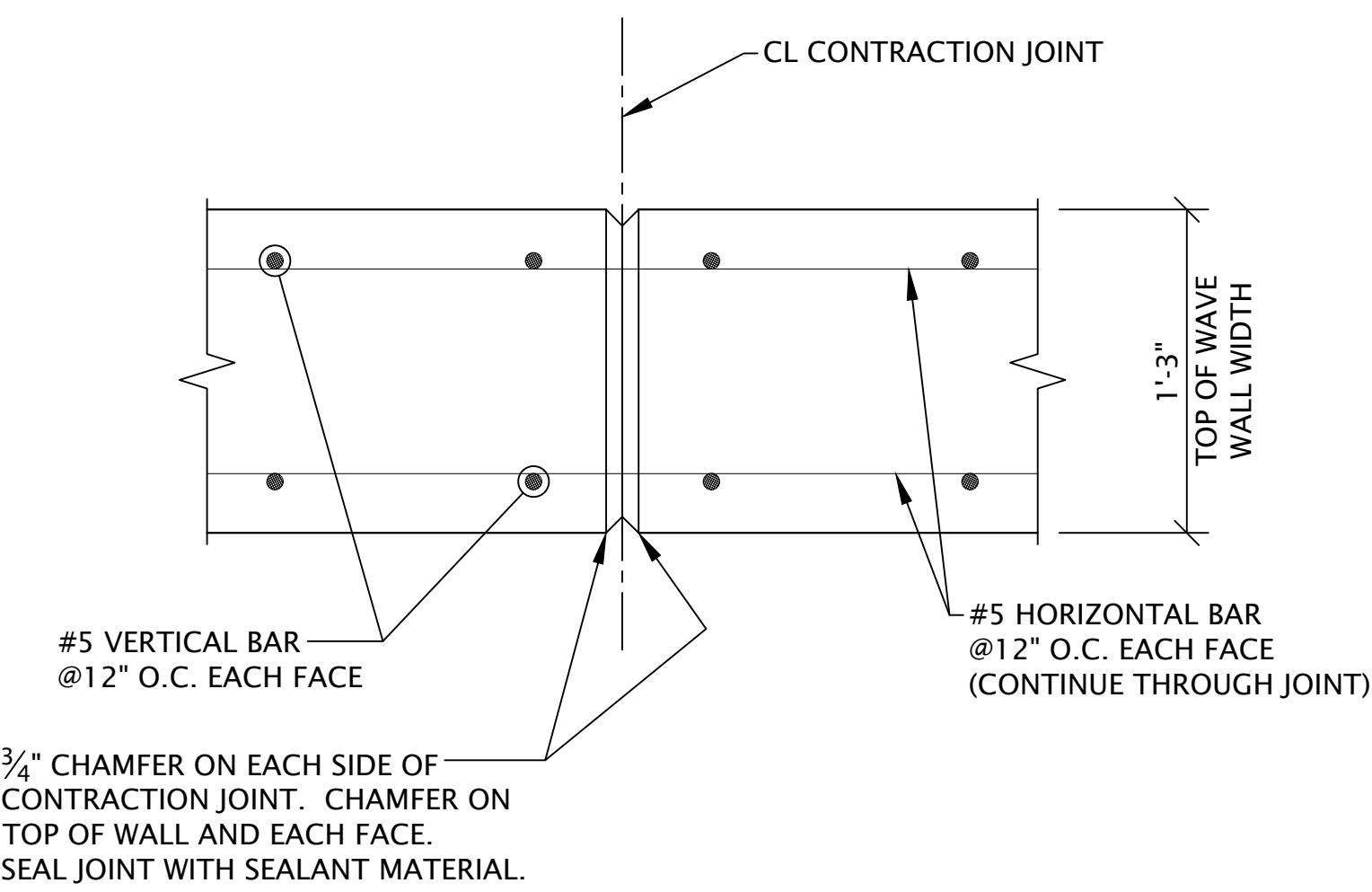
Drawing Title

SHORELINE IMPROVEMENTS
SECTIONS AND DETAILS
SECTION I-I'

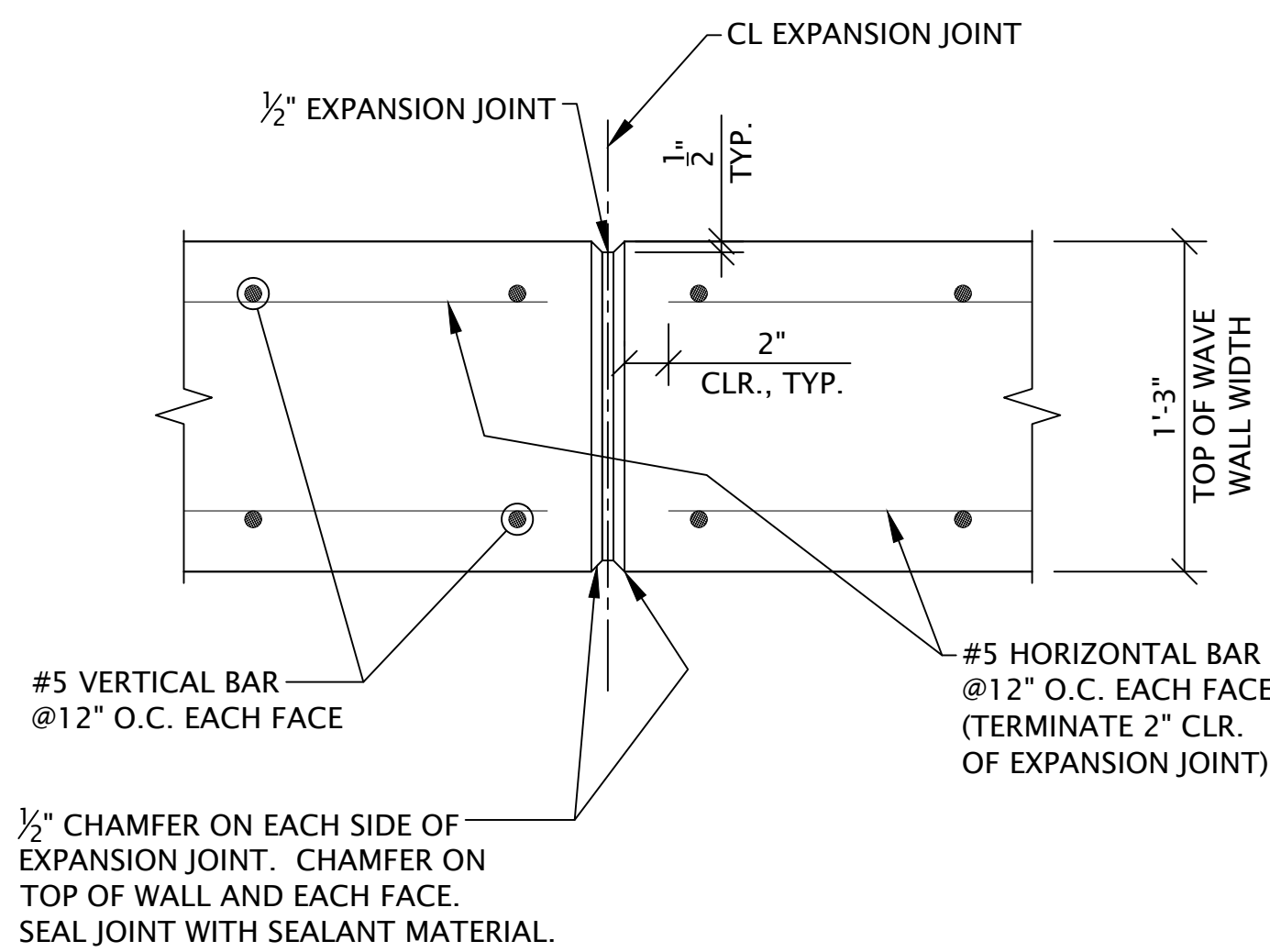
Sheet No. C324



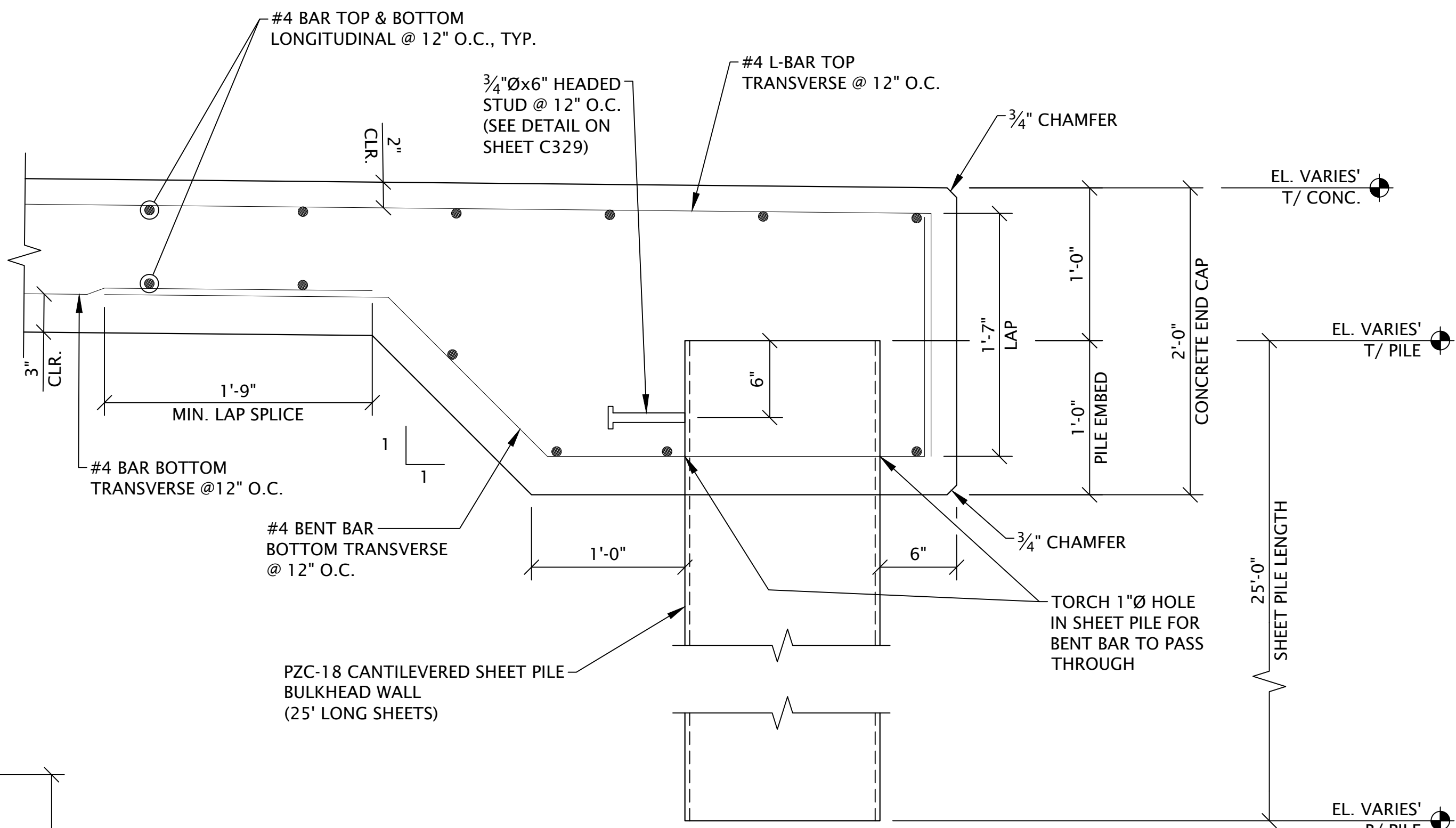
WAVE WALL TYPICAL SECTION



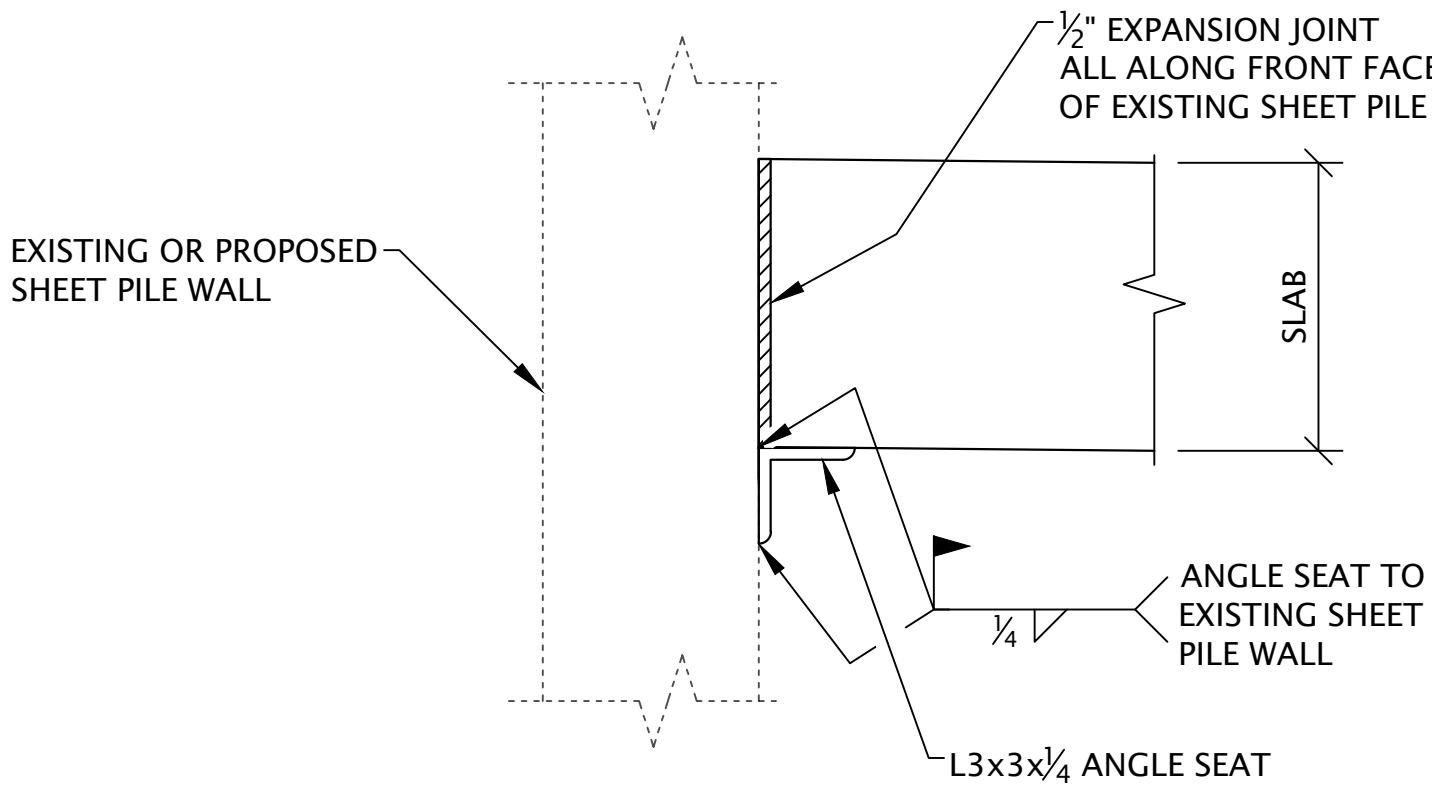
**WAVE WALL CONTRACTION JOINT
PLAN VIEW**



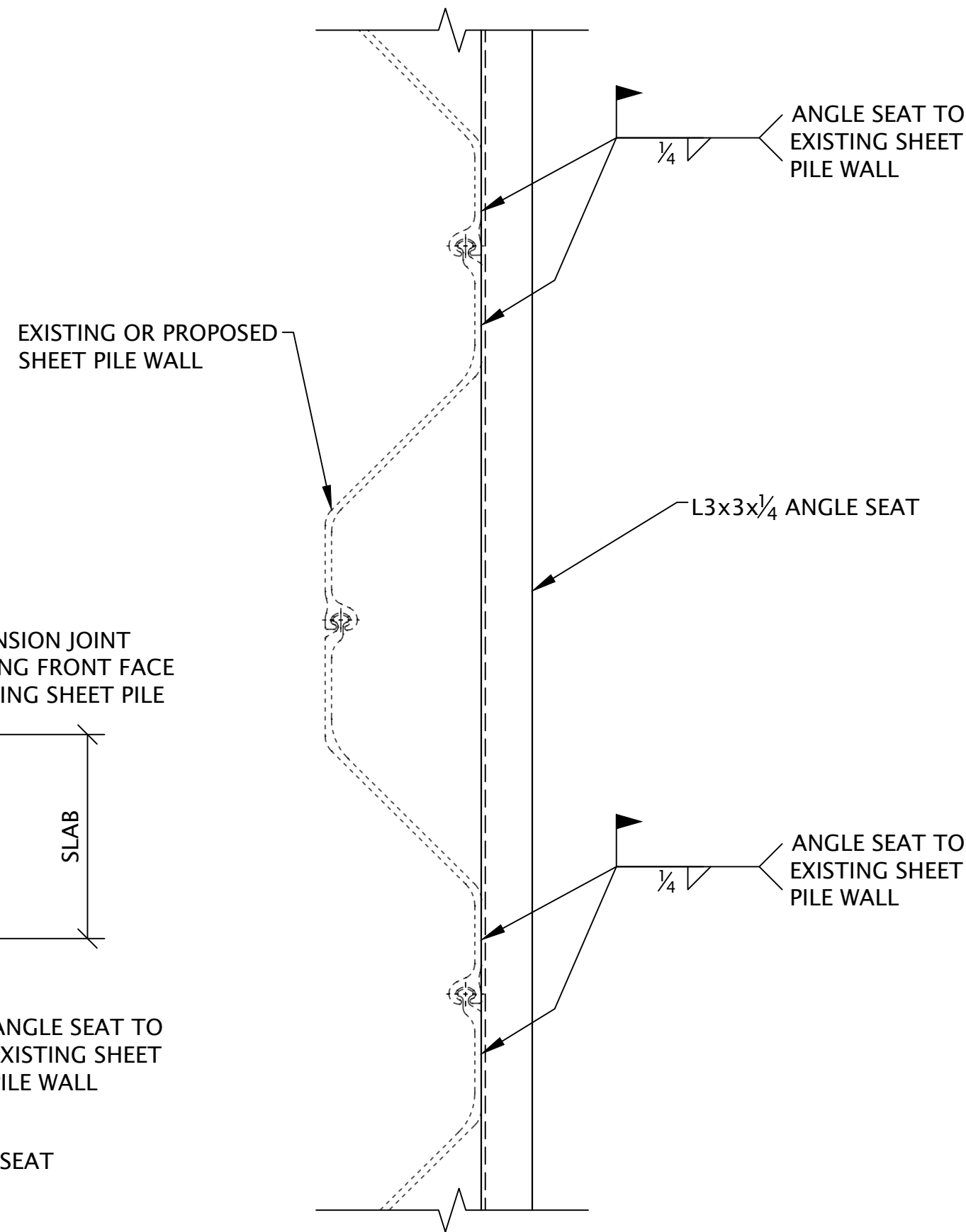
**WAVE WALL EXPANSION JOINT
PLAN VIEW**



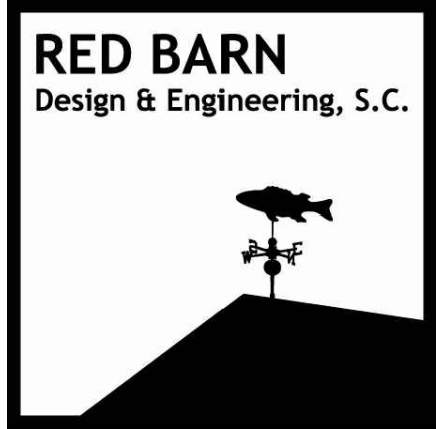
**TYPICAL BULKHEAD WALL
CONCRETE CAP AND SLAB DETAIL**
(BULKHEAD WALL CONCRETE CAP DETAIL
APPLIES TO PZC RETURN WALLS)



ANGLE SEAT ELEVATION VIEW DETAIL



ANGLE SEAT PLAN VIEW DETAIL



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100% Submittal	08/16/24
Bidding and Construction	08/30/24

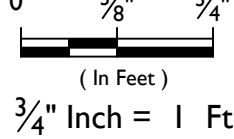
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



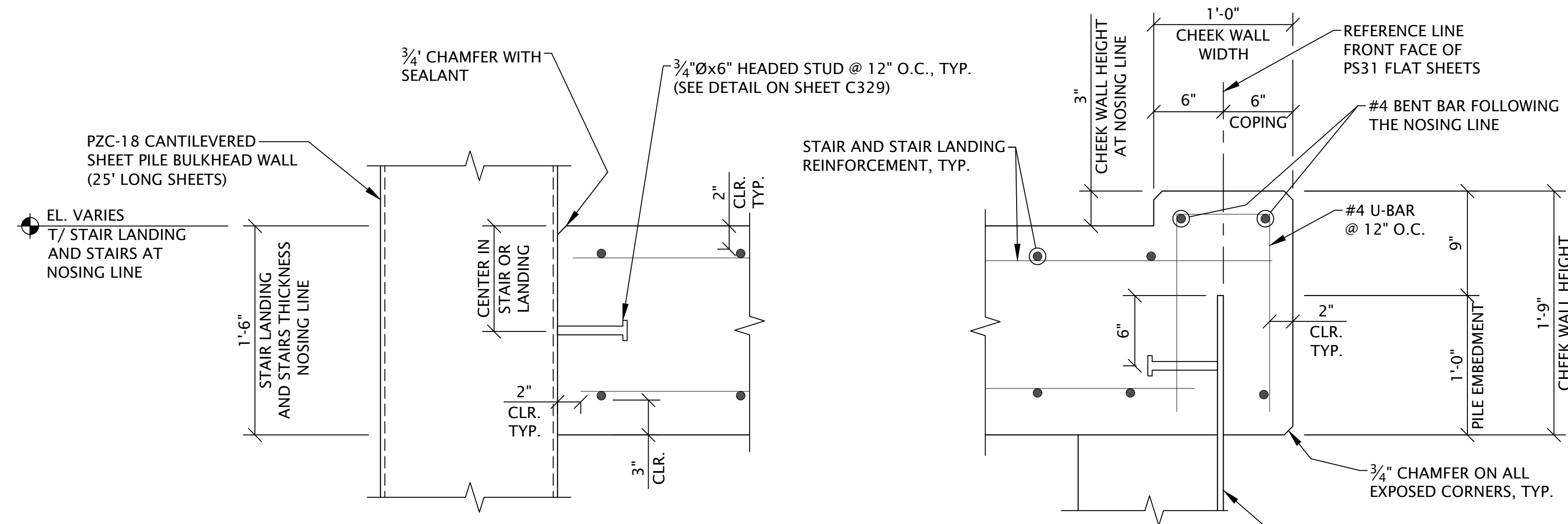
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Drawing Title

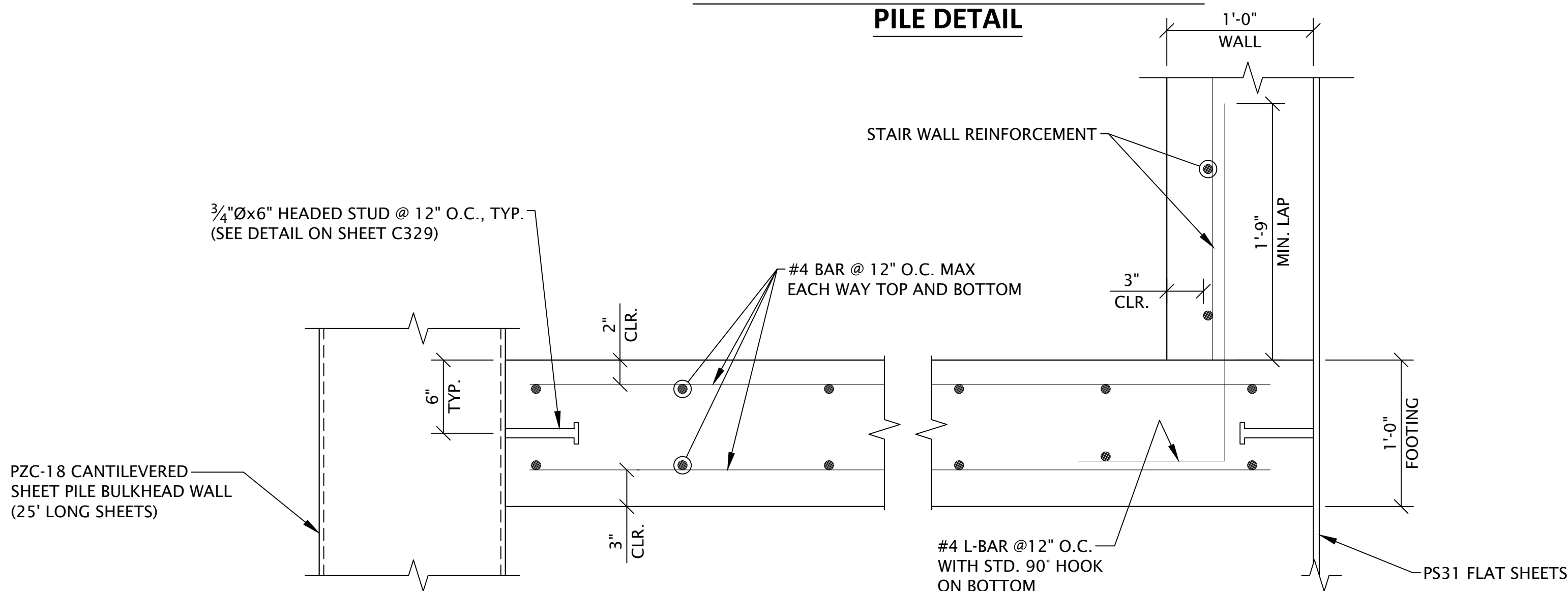
BULKHEAD WALL DETAILS

Sheet No.

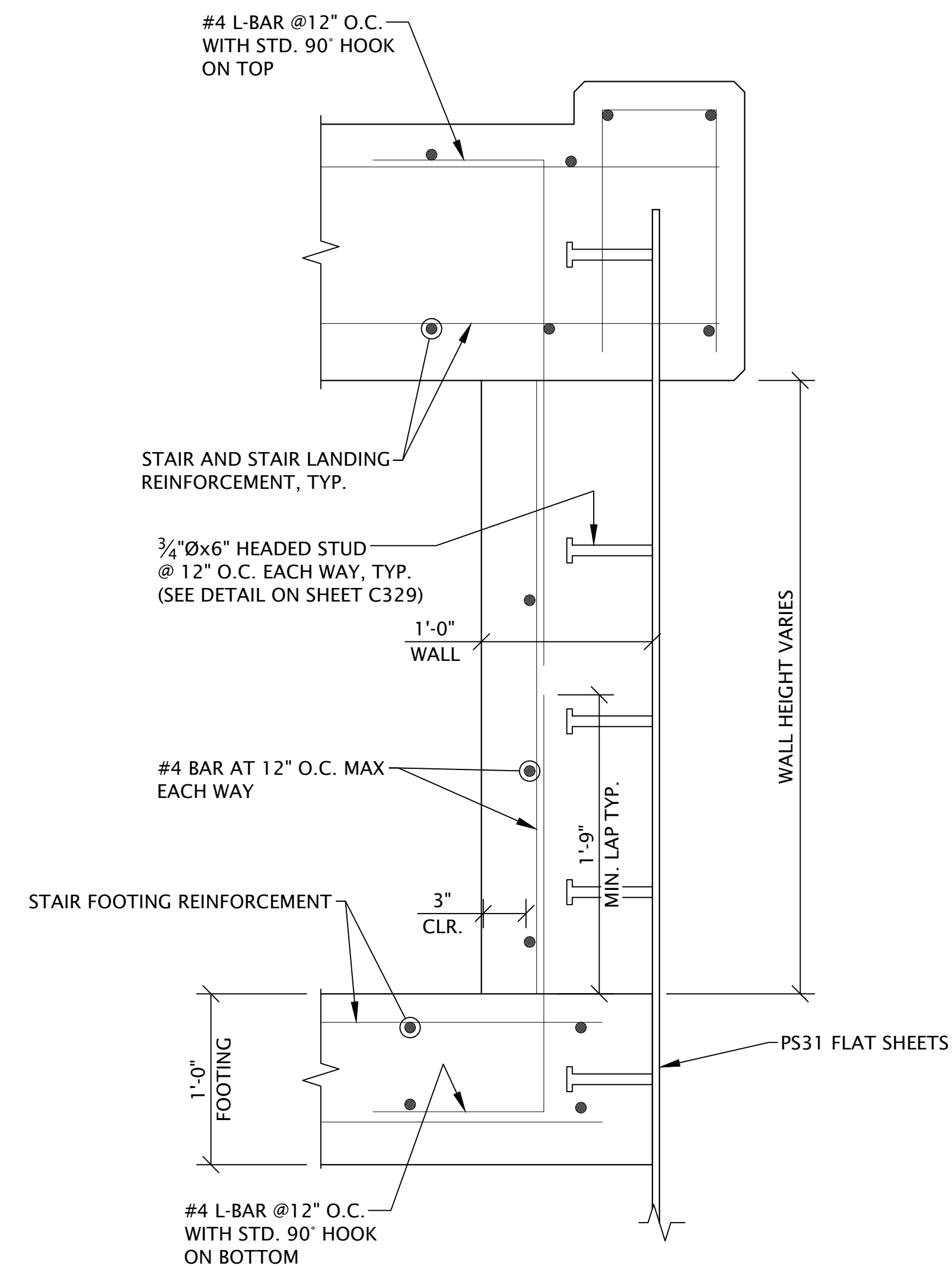
C325



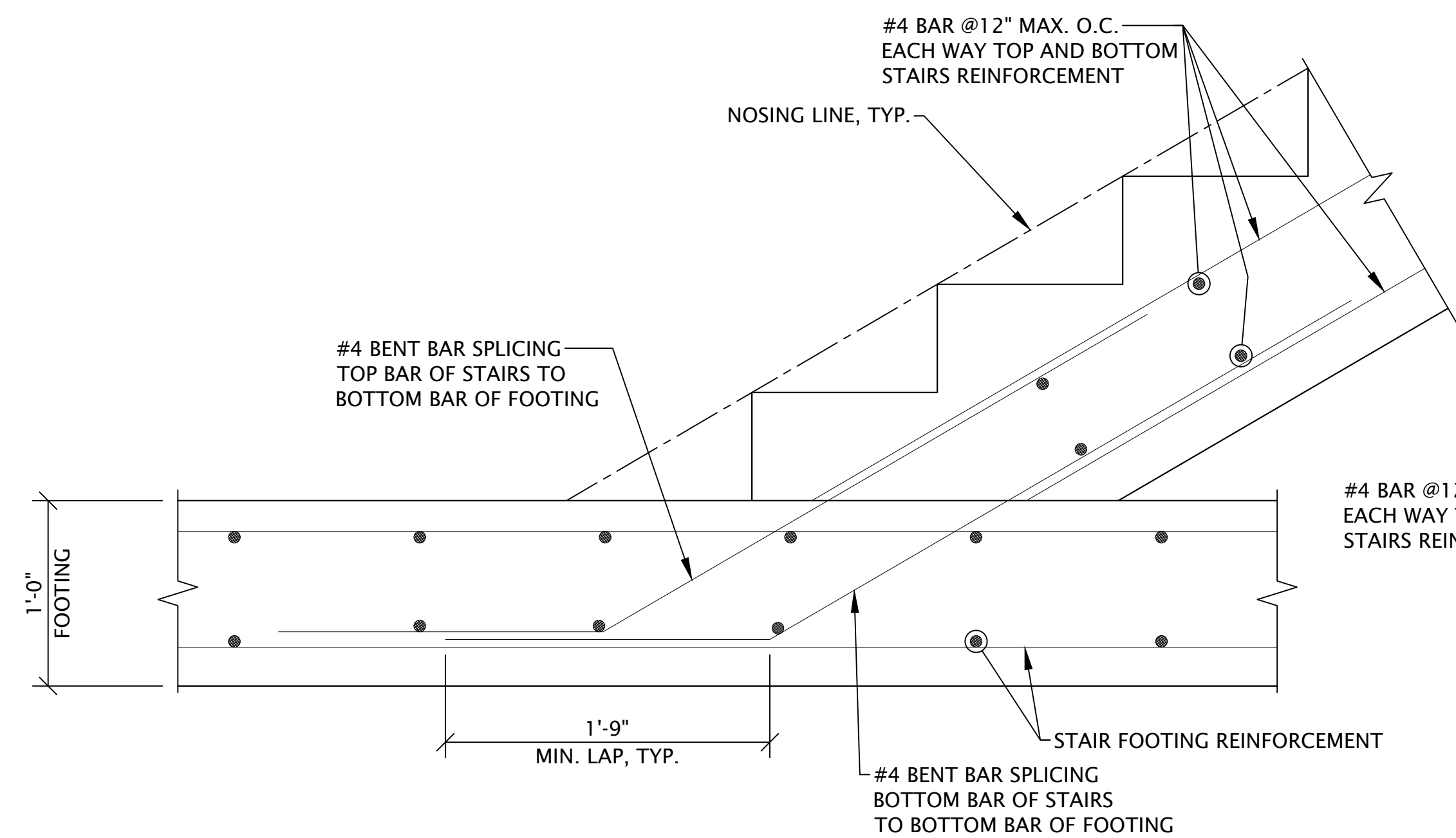
TYPICAL STAIR CHEEKWALL OVER SHEET PILE DETAIL



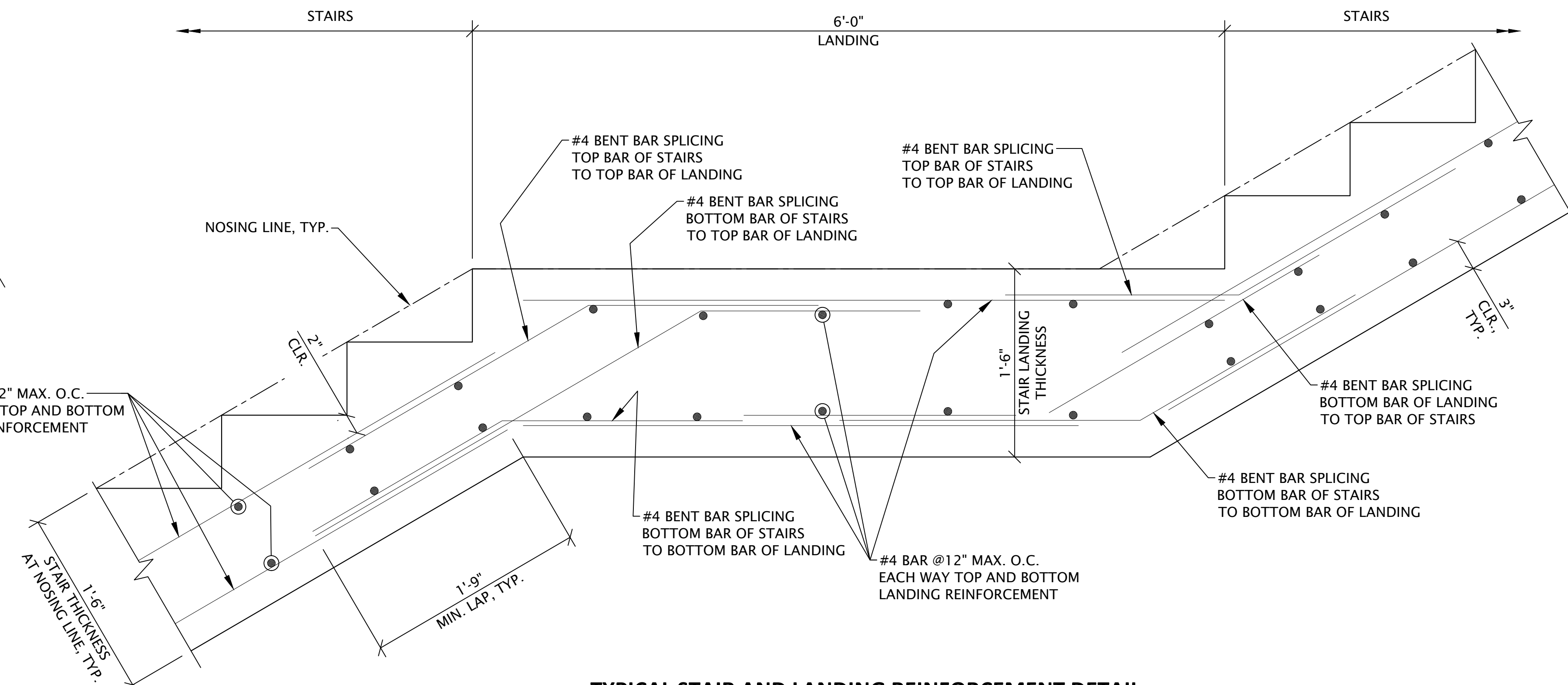
TYPICAL STAIR FOOTING DETAIL



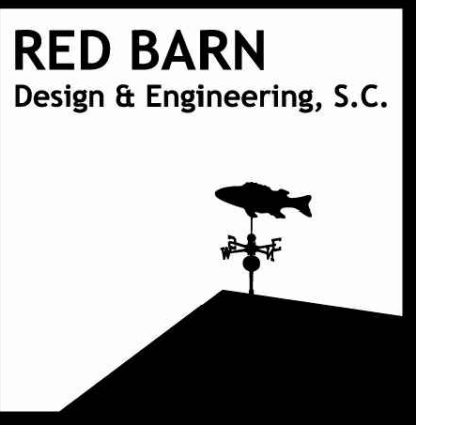
TYPICAL STAIR WALL DETAIL



TYPICAL STAIR TO FOOTING REINFORCEMENT DETAIL



TYPICAL STAIR AND LANDING REINFORCEMENT DETAIL



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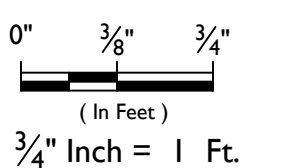
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



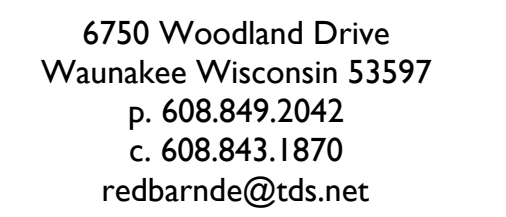
Scale: 3/4" Inch = 1 Ft.

Drawing Title

STAIR DETAILS

Sheet No.

C326



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Bidding and Construction	08/30/24

[illegible]

0" $\frac{1}{2}$ " 1"
(In Feet)
1" Inch = 1 Ft.

Drawing Title
SHORELINE IMPROVEMENTS CORNER DETAILS I





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Bidding and Construction	08/30/24

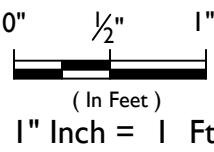
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



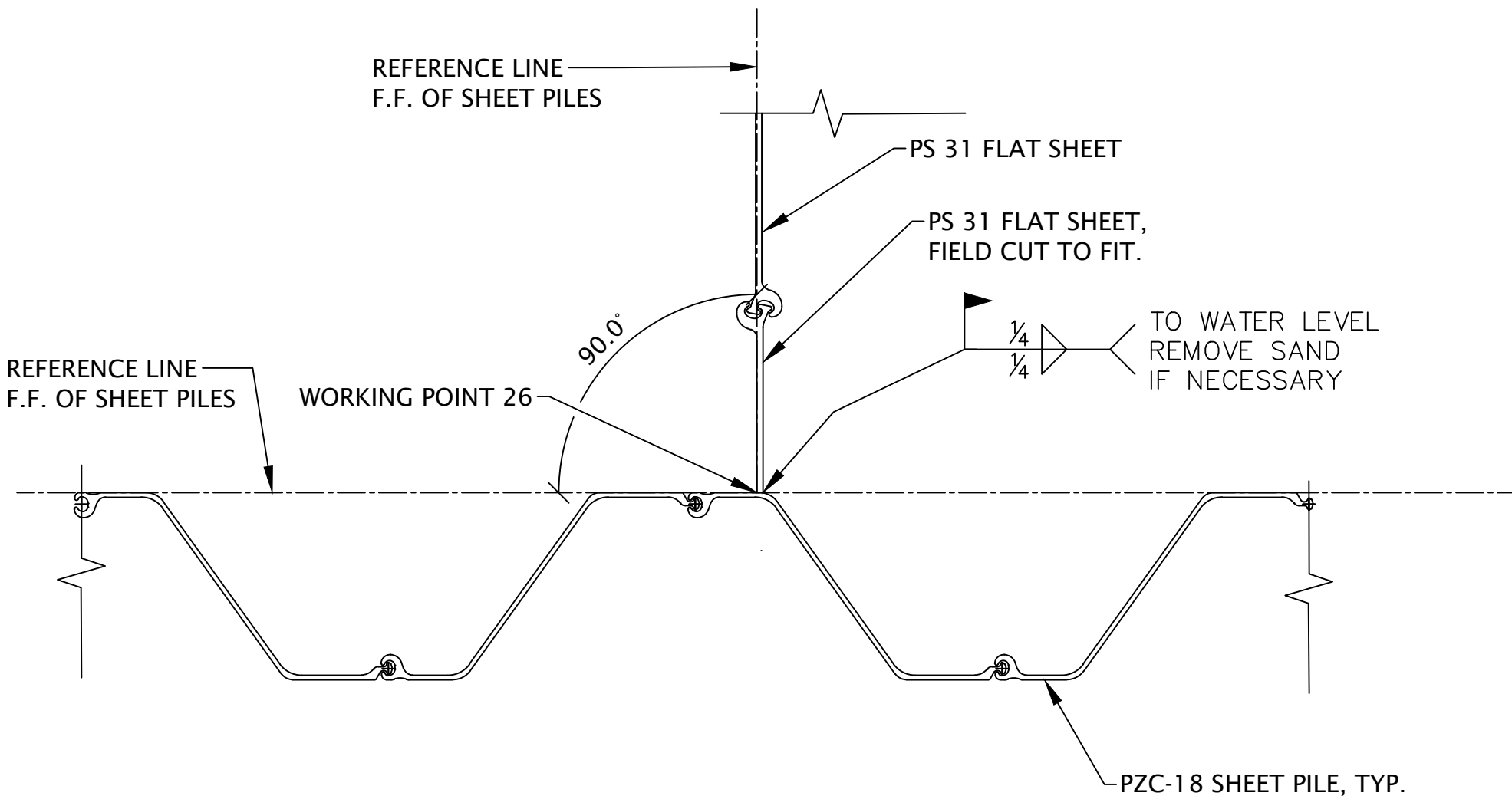
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Drawing Title

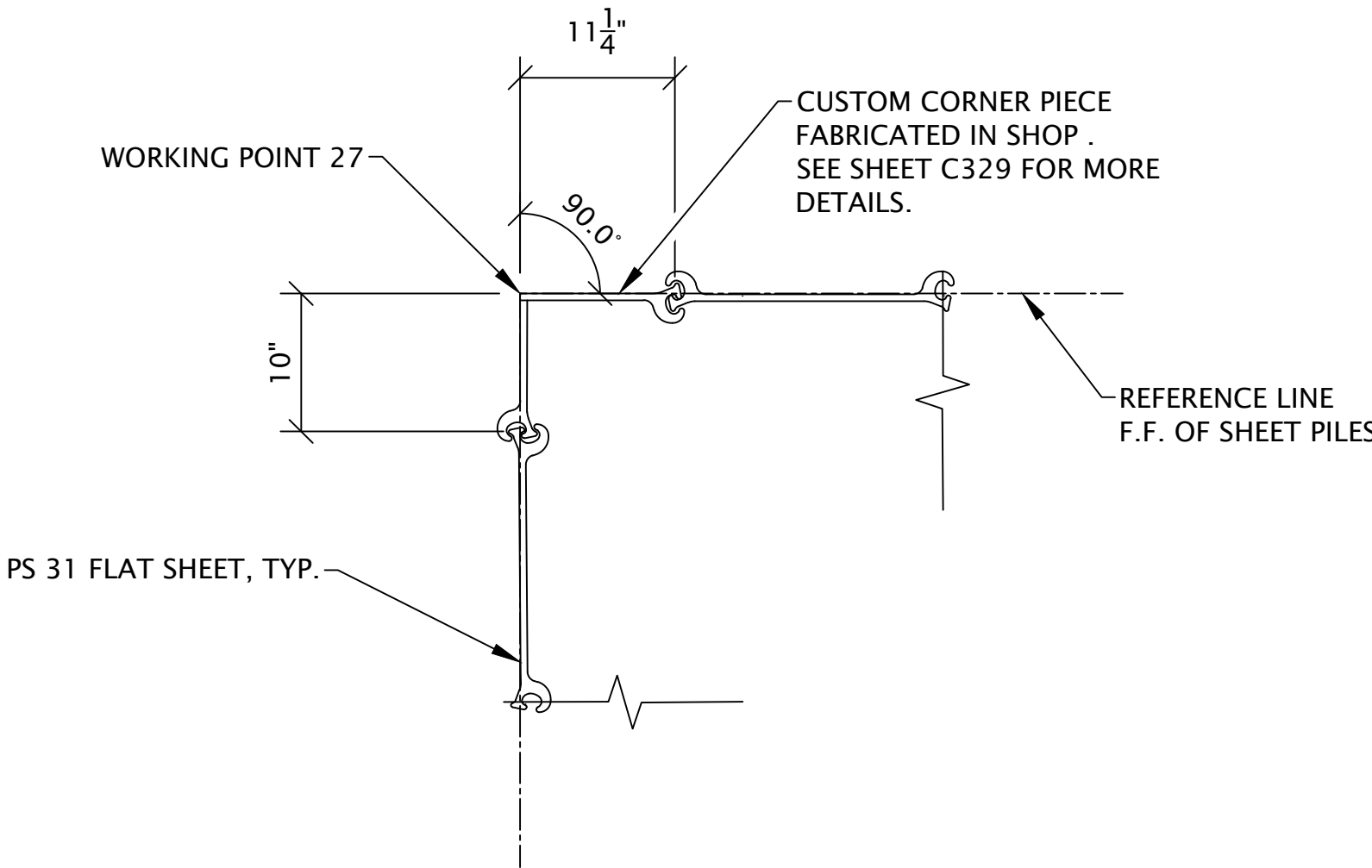
SHORELINE IMPROVEMENTS
CORNER DETAILS 2

Sheet No.

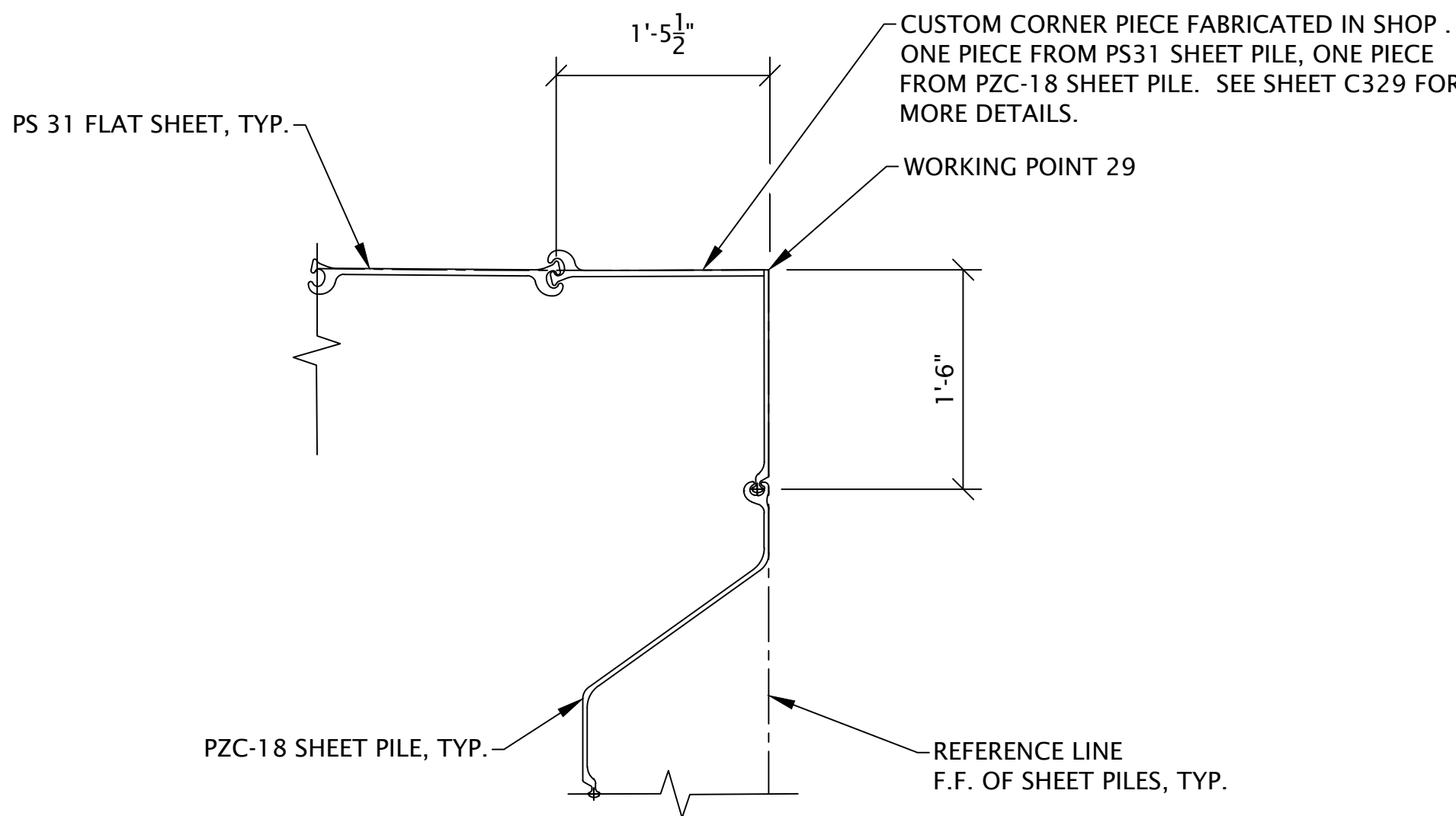
C328



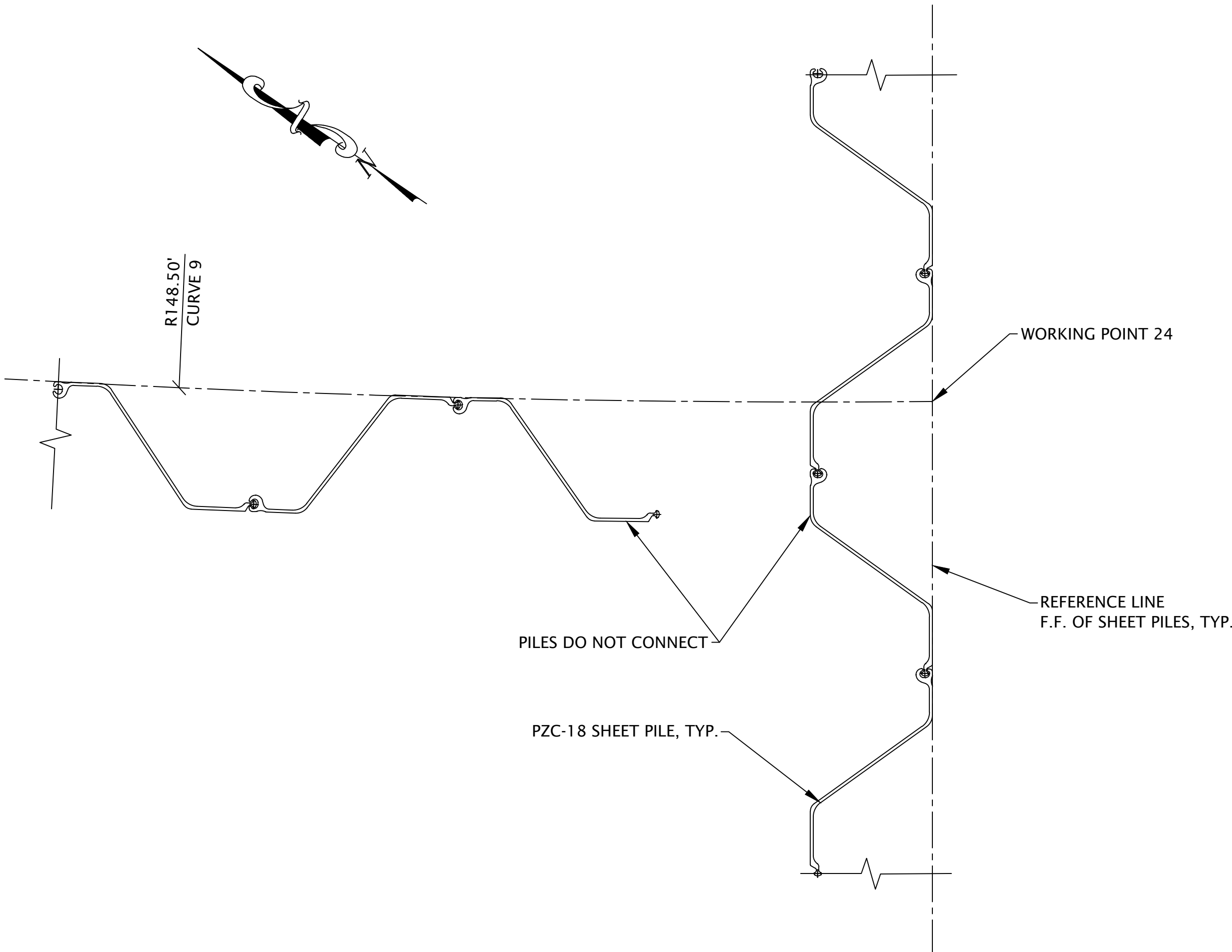
CORNER 5 DETAIL



CORNER 6 DETAIL



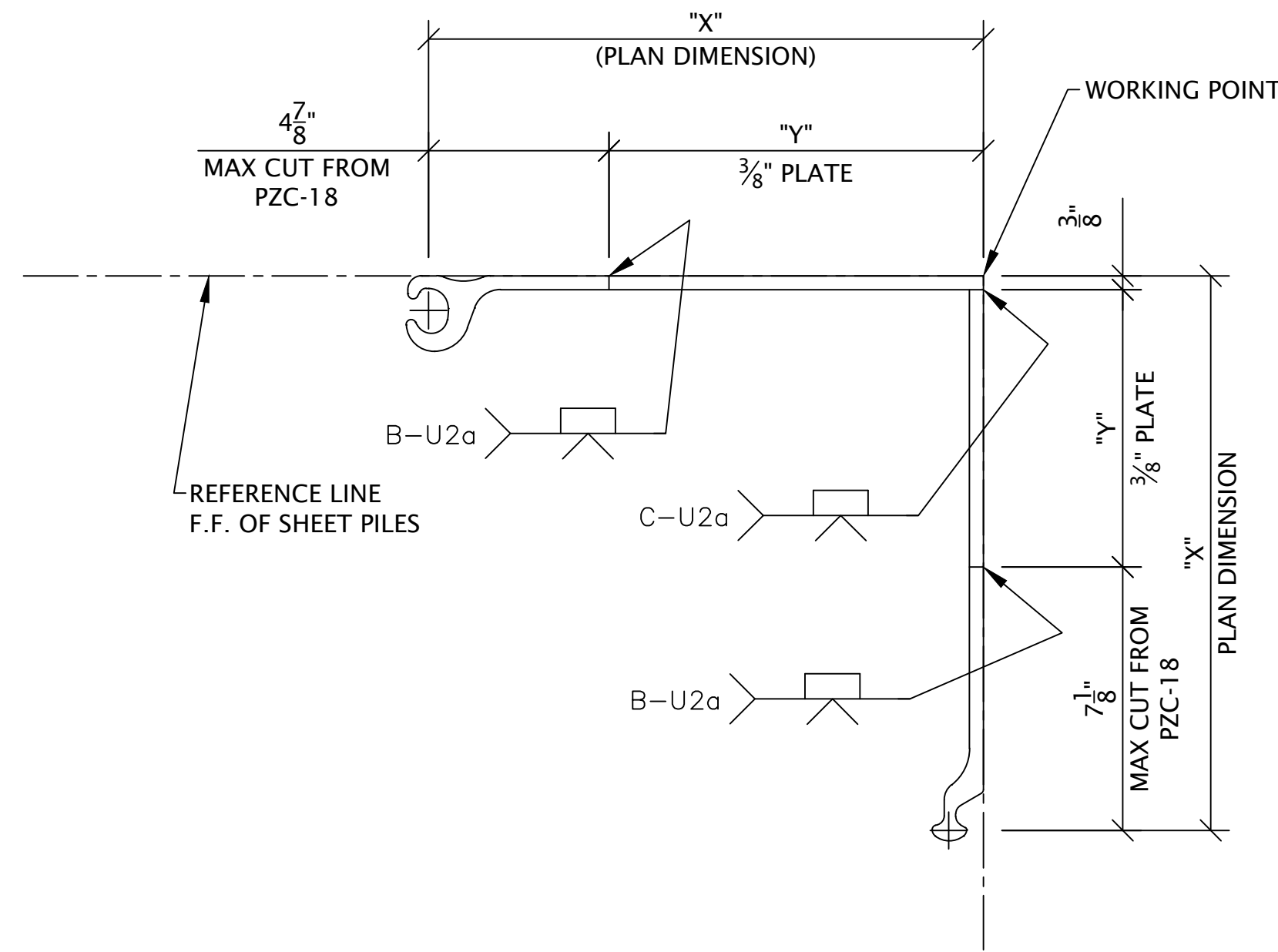
CORNER 7 DETAIL



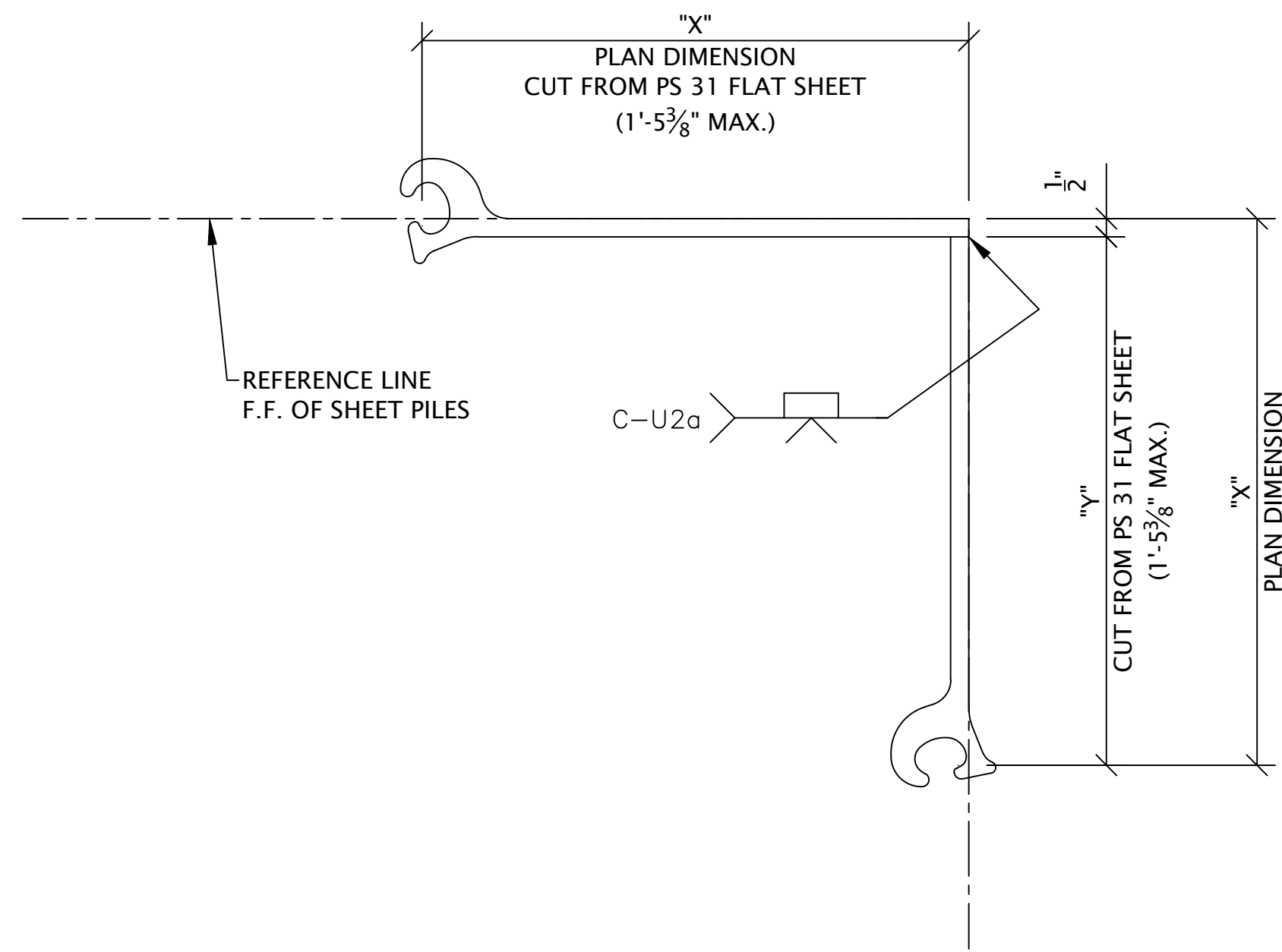
CORNER 8 DETAIL

"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."

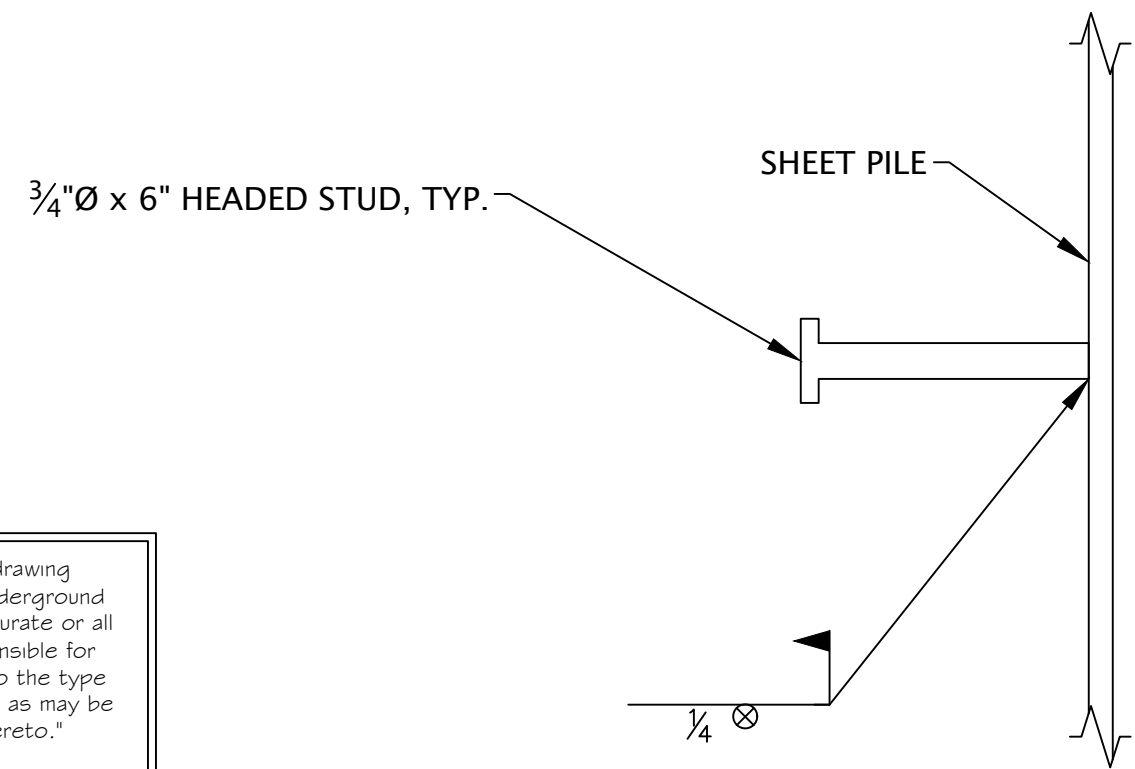




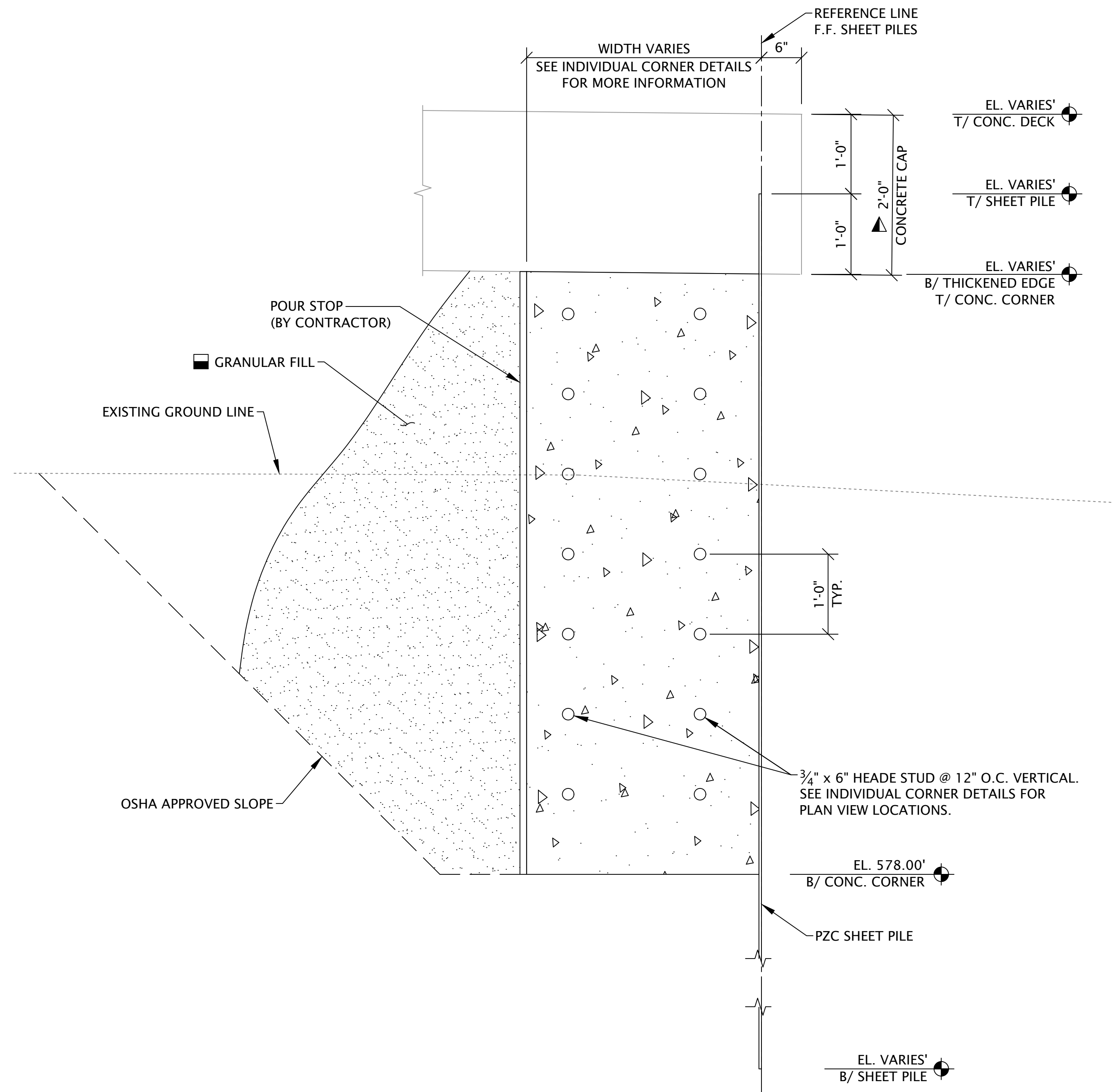
TYPICAL PZC-18 CUSTOM CORNER DETAIL



TYPICAL PS31 CUSTOM CORNER DETAIL



TYPICAL STUD DETAIL



TYPICAL SECTION THROUGH CONCRETE CORNER

"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."



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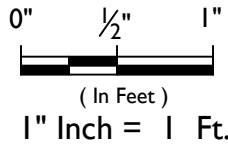
Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale:



Scale: 1" Inch = 1 Ft.

Drawing Title

SHORELINE IMPROVEMENTS
CORNER DETAILS 3

Sheet No.

C329



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Bidding And Construction	08/30/24

Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

0' 15' 30'
(In Feet)
1 Inch = 30 Ft.

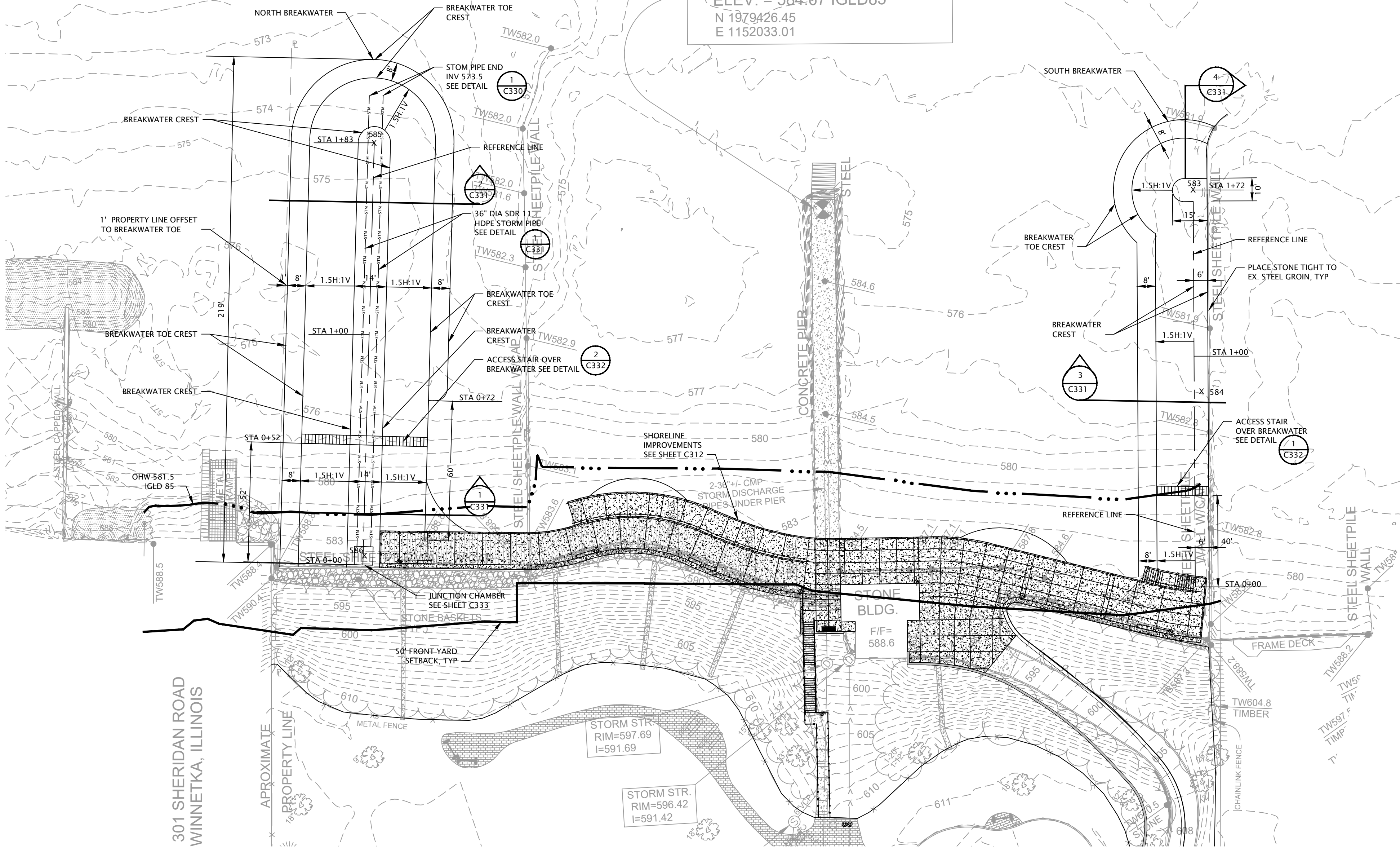
Scale
1 Inch = 30 Ft.

Drawing Title

Breakwater Layout Plan

Sheet No.
C330

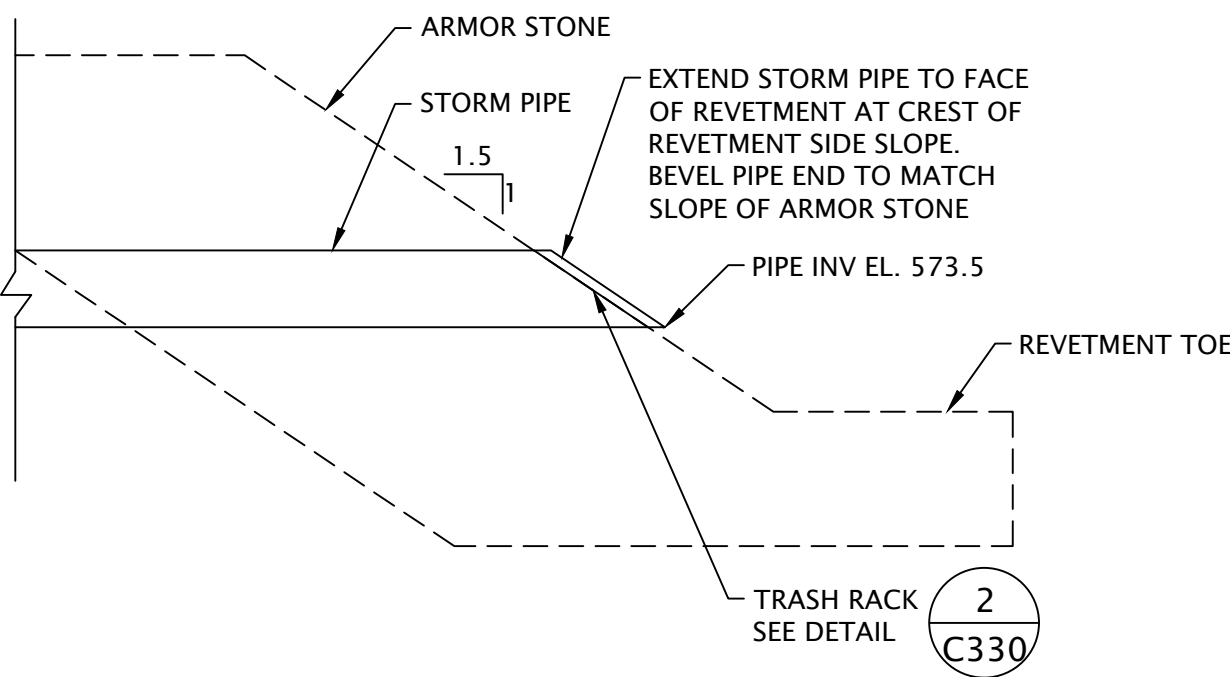
SITE BENCHMARK:
CROSS CUT ON CONC. PIER.
ELEV. = 584.67 IGLD85
N 1979426.45
E 1152033.01



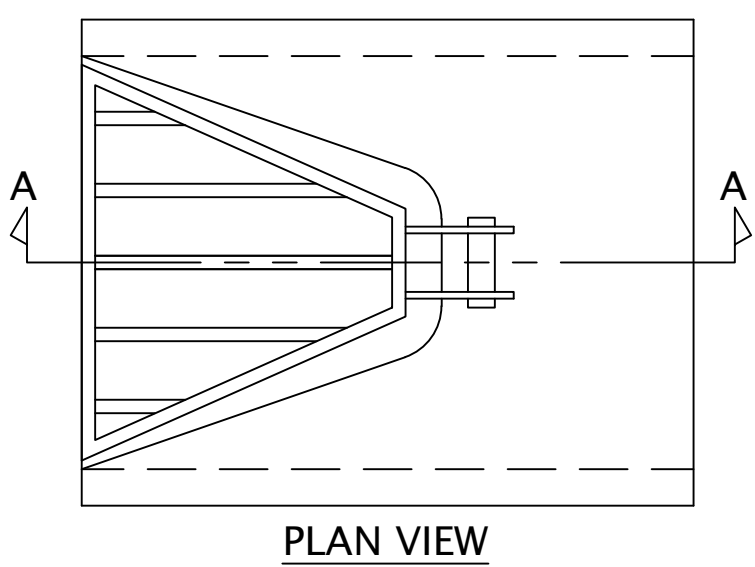
LEGEND (PROPOSED)

- BOARD WALK
- CONCRETE ADA RAMP
- BREAKWATER
- STORM SEWER
- SPOT ELEVATION
- REFERENCE LINE
- OHW 581.5 IGLD 85
- 50' FRONT YARD SETBACK

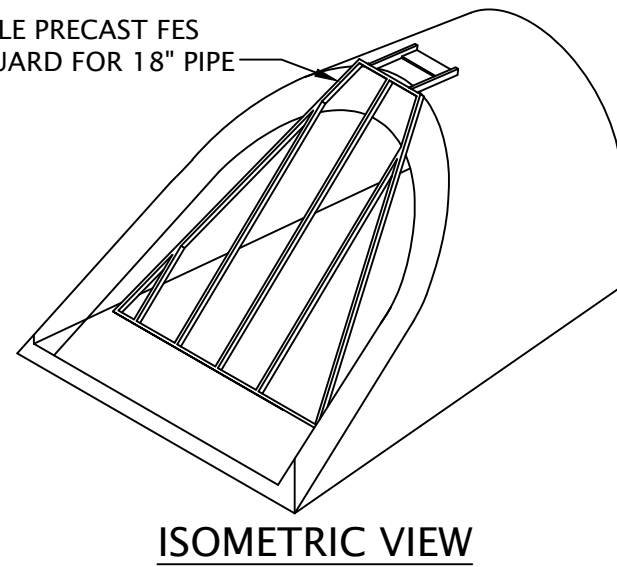
"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."



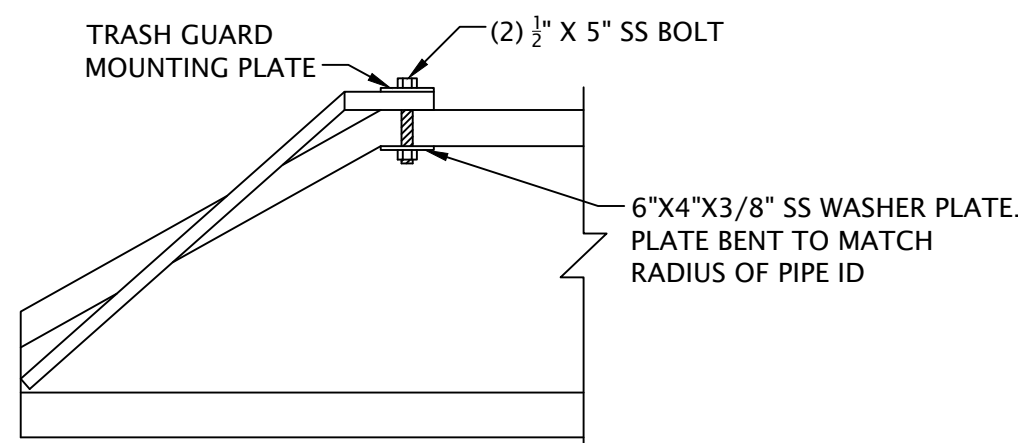
1 PIPE END
C330 SCALE: NONE



PLAN VIEW



ISOMETRIC VIEW



SECTION A-A

2 TRASH GUARD
C330 SCALE: NOT TO SCALE

WORK SEQUENCE NOTES:

1. ESTABLISH AND MAINTAIN EROSION CONTROL AND TRAFFIC BARRICADES PRIOR TO COMMENCEMENT OF WORK.
2. CONTRACTOR SHALL FURNISH AND MAINTAIN CONSTRUCTION FENCING BARRICADE TO SECURE CONSTRUCTION AND STAGING AREAS FROM PUBLIC ACCESS.
3. CONTRACTOR SHALL CONSTRUCT AND MAINTAIN TEMPORARY HAUL ROAD(S) THROUGH THE PROJECT SITE NEEDED FOR THIS DURATION OF THE PROJECT. DAMAGE TO THE ENTRANCE ONTO SHERIDAN ROAD RESULTING FROM THE CONTRACTORS ACTIONS WILL BE REPAIRED AT THE EXPENSE OF THE CONTRACTOR.
4. NO STOCKPILING OF BREAKWATER MATERIALS MAY BE PERFORMED ON THE UPLAND AREAS OF THE SITE.
5. CONTRACTOR SHALL DETERMINE FOR THE PURPOSE OF THEIR WORK THE AREAS REQUIRED FOR STAGING AND STOCKPILING OF ANY UPLAND STRIPPED MATERIALS.
6. ALL PARKING LOT SIGNS AND SIGN POLES SHALL BE REMOVED AND SALVAGED FOR REINSTALLATION. CONTRACTOR SHALL BE RESPONSIBLE FOR STORING SALVAGED SIGNS AND POLES.

NOTES:

1. SEE SHEET C300 FOR LEGEND OF EXISTING CONDITIONS.
2. CONTRACTOR WILL BE PROVIDED AUTOCAD DRAWING FILE FOR CONSTRUCTION LAYOUT AFTER AWARD OF CONTRACT.
3. LIMITS OF CONSTRUCTION ARE AS SHOWN UNLESS OTHERWISE NOTED.
4. BEFORE EXCAVATION OR DEMOLITION, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING JULIE AND APPROPRIATE UTILITY COMPANIES FOR UTILITY LOCATIONS.



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Bidding And Construction	08/30/24

Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

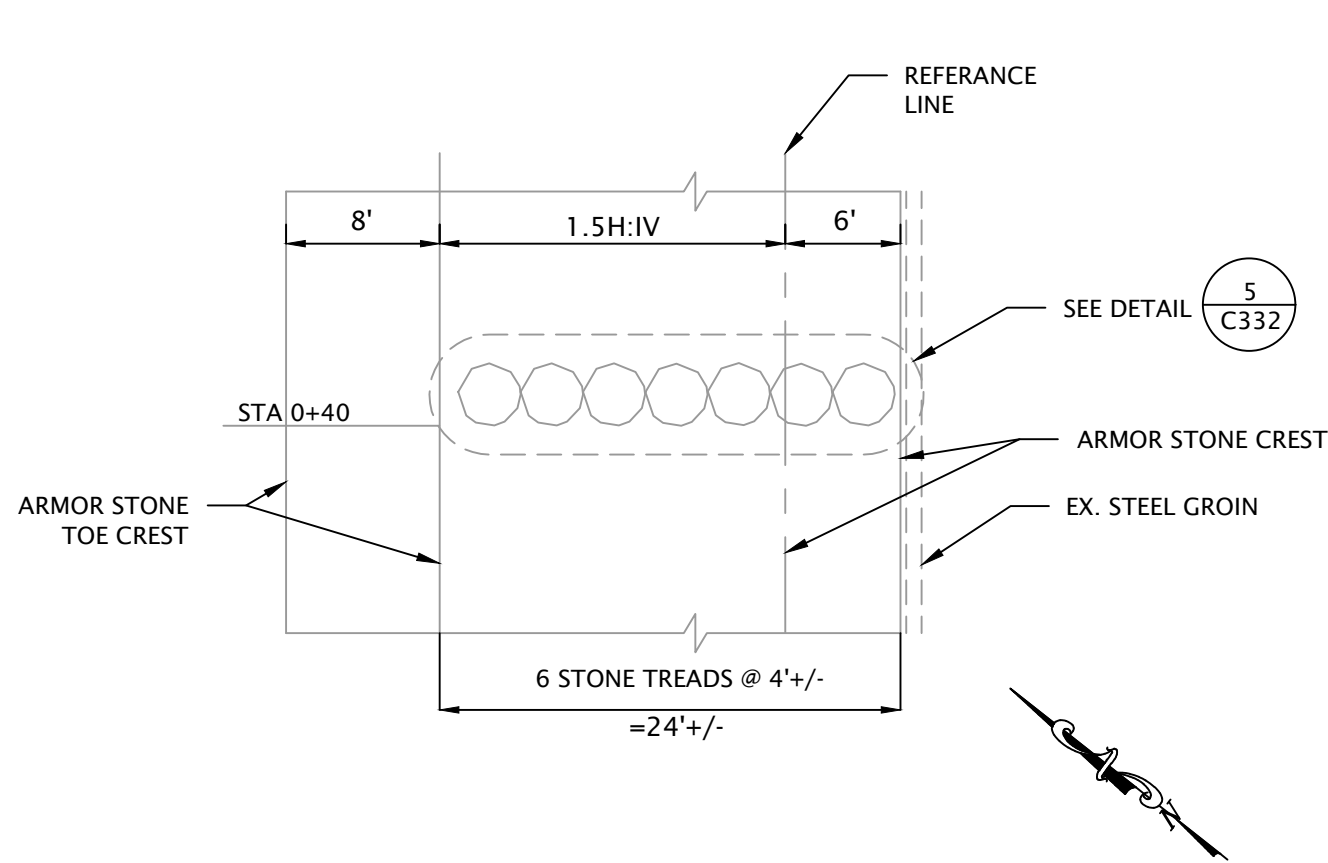
Graphic Scale

Scale As Shown

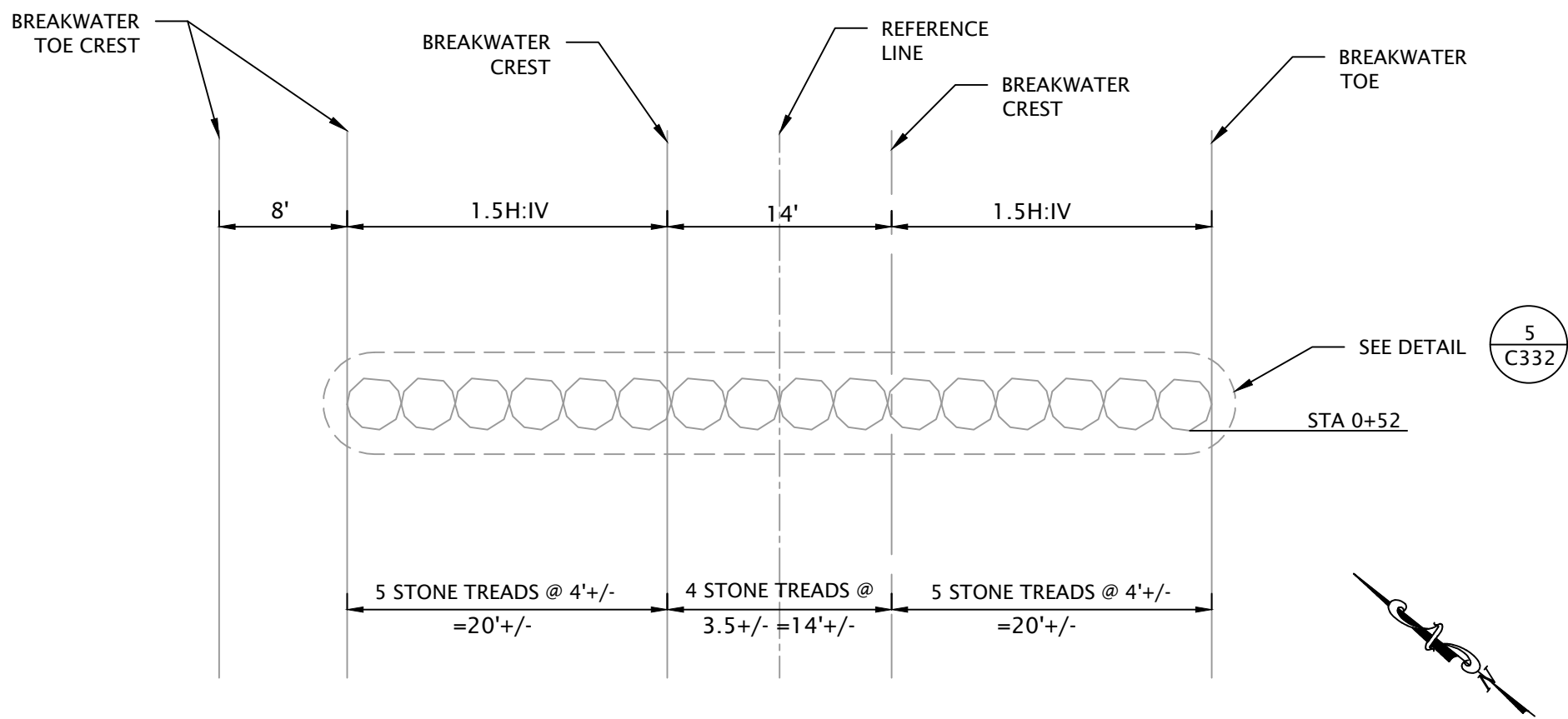
Drawing Title

Breakwater Access Stairs
Layout Plan And Details

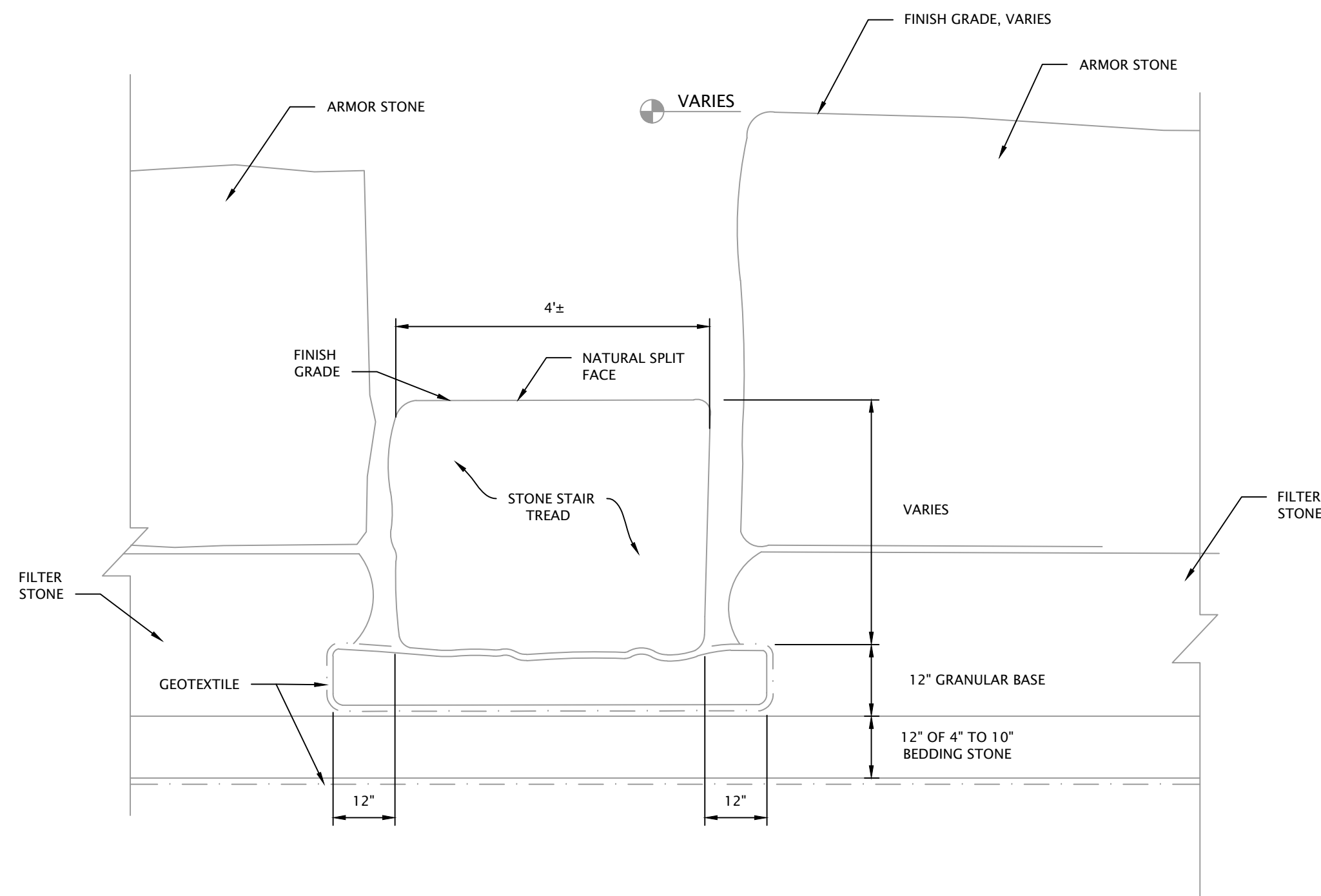
Sheet No. C332



1 SOUTH BREAKWATER ACCESS STAIR LAYOUT PLAN
C332 SCALE : 0' 5' 10' 20'



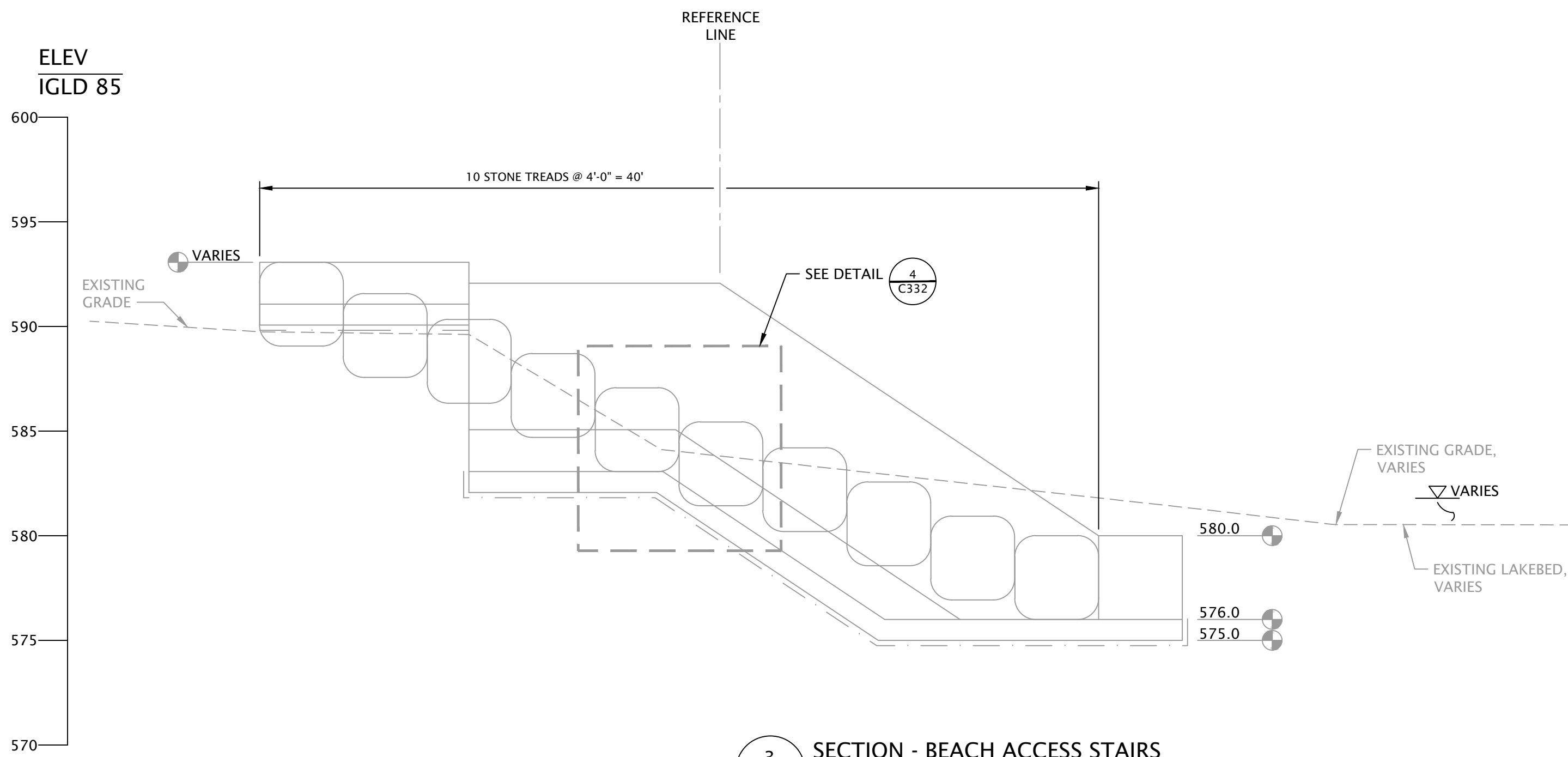
2 NORTH BREAKWATER ACCESS STAIR LAYOUT PLAN
C332 SCALE : 0' 5' 10' 20'



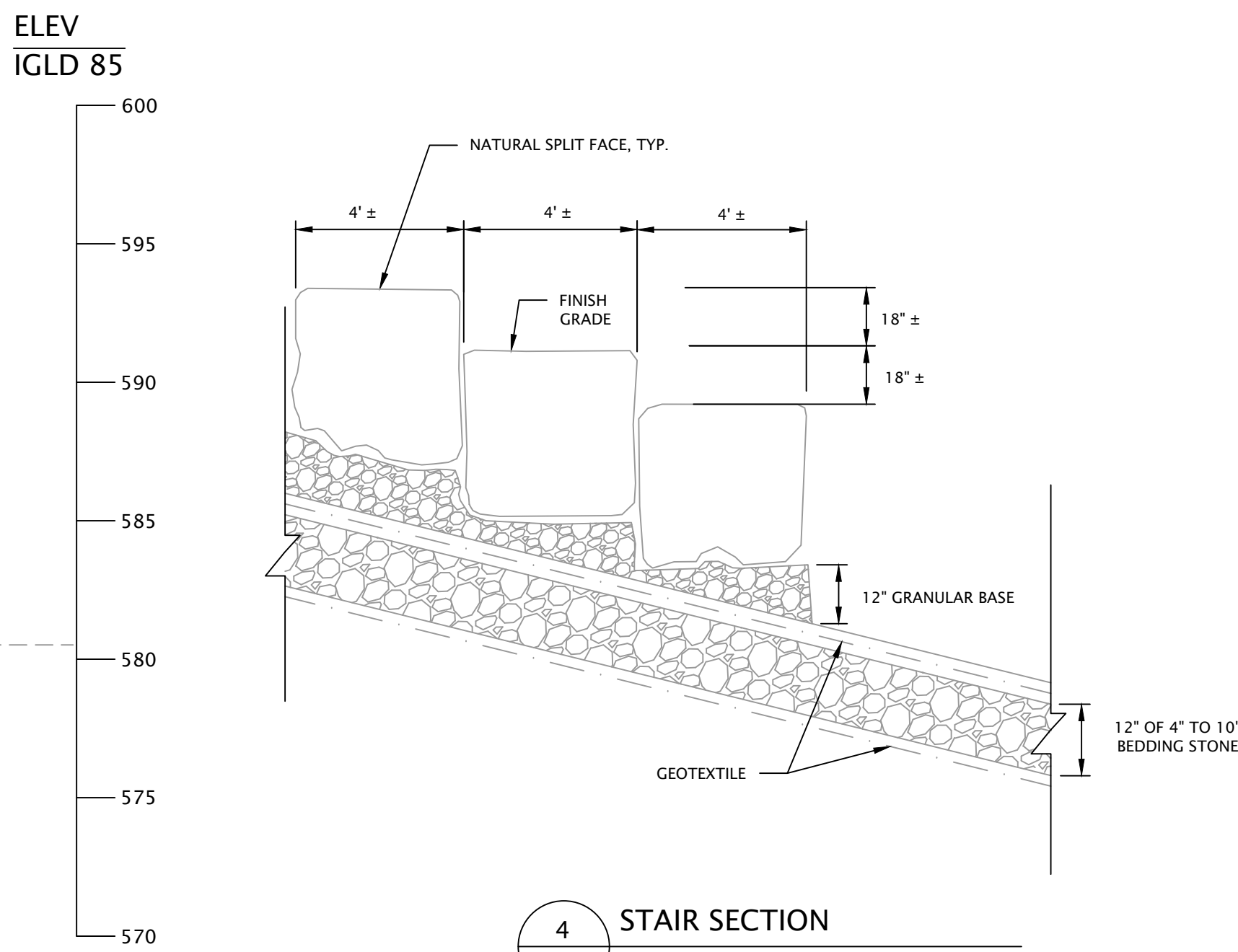
6 STAIR SECTION
C332 SCALE : 0' 1' 2' 4'

NOTES:

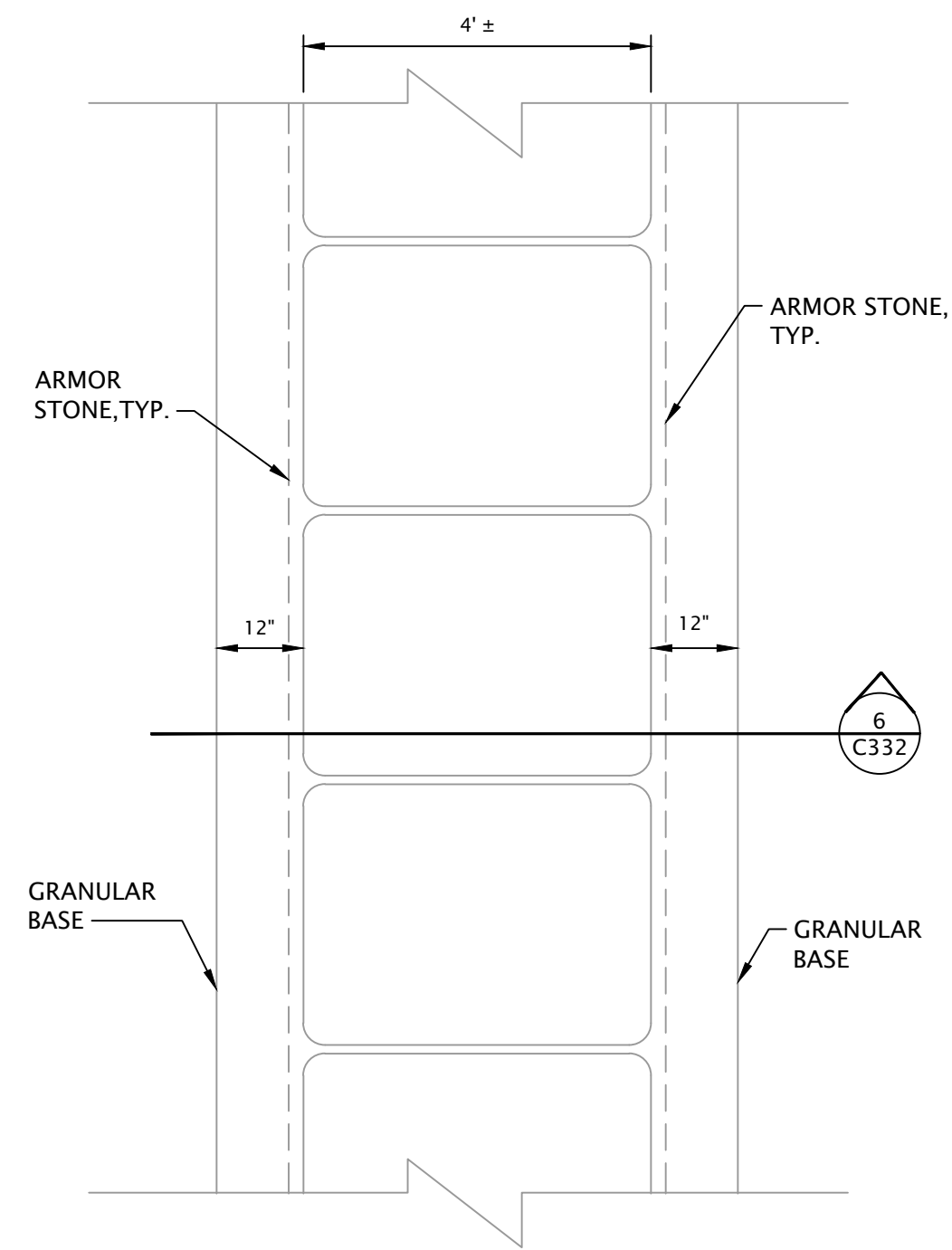
- SEE SHEET C300 FOR LEGEND OF EXISTING CONDITIONS.
- CONTRACTOR WILL BE PROVIDED AUTOCAD DRAWING FILE FOR CONSTRUCTION LAYOUT AFTER AWARD OF CONTRACT.
- LIMITS OF CONSTRUCTION ARE AS SHOWN UNLESS OTHERWISE NOTED.
- BEFORE EXCAVATION OR DEMOLITION, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING JULIE AND APPROPRIATE UTILITY COMPANIES FOR UTILITY LOCATIONS.



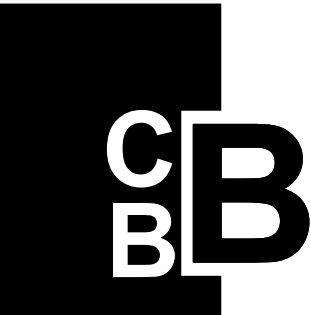
3 SECTION - BEACH ACCESS STAIRS
C332 SCALE : 0' 2.5' 5' 10'



4 STAIR SECTION
C332 SCALE : 0' 1' 2' 4'



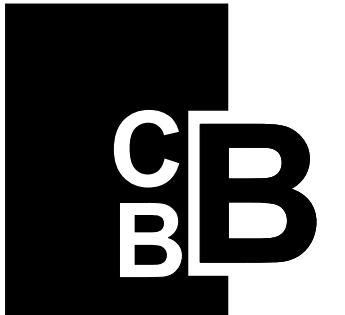
5 PLAN
C332 SCALE : 0' 1' 2' 4'

DETAILS TO BE ADDED AFTER DESIGN	RED BARN Design & Engineering, S.C.  6750 Woodland Drive Wauunakee Wisconsin 53597 p. 608.849.2042 c. 608.843.1870 redbarnde@tds.net																																				
	Consultants  CHRISTOPHER B. BURKE ENGINEERING, LTD. 9575 W. Higgins Road, Suite 600 Rosemont, Illinois 60018 (847) 823-0500																																				
	<table><tr><th>Issued for</th><th>Rev.</th><th>Date</th></tr><tr><td>Bidding and Construction</td><td></td><td>8/30/24</td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td></tr></table>	Issued for	Rev.	Date	Bidding and Construction		8/30/24																														
	Issued for	Rev.	Date																																		
	Bidding and Construction		8/30/24																																		
Project Title: Site Improvements Proposed Junction Chamber Winnetka, IL																																					
Prepared For: Winnetka Park District Winnetka, IL																																					
Graphic Scale																																					
Scale																																					
Drawing Title JUNCTION CHAMBER I GENERAL PLAN AND ELEVATION																																					
Sheet No. C-334																																					



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Rosemont, Illinois 60018
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[illegible]

Project Title:

Site Improvements
Proposed Junction Chamber
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

Scale	
-------	--

Drawing Title

JUNCTION CHAMBER I STRUCTURAL DETAILS

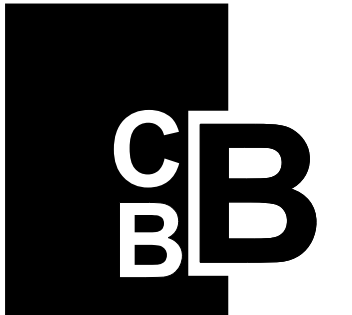
Sheet No. C-335

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Rosemont, Illinois 60018
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[illegible]

Project Title:

Site Improvements
Proposed Junction Chamber
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

Scale	
-------	--

Drawing Title

JUNCTION CHAMBER 2
GENERAL PLAN AND
ELEVATION

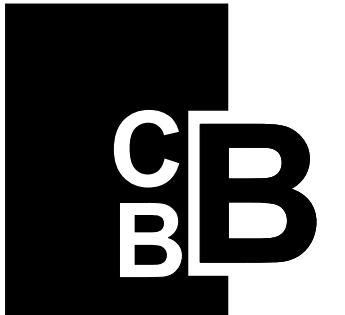
Sheet No. **C-336**

DETAILS TO BE ADDED AFTER DESIGN



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9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
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[illegible]

Project Title:

Site Improvements
Proposed Junction Chamber
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

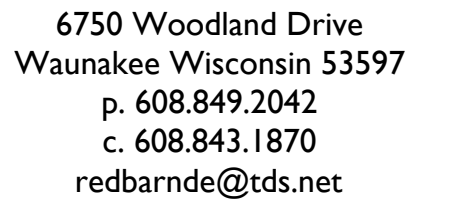
Scale	
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Drawing Title

JUNCTION CHAMBER 2 STRUCTURAL DETAILS

Sheet No. **C-337**

DETAILS TO BE ADDED AFTER DESIGN



Issued for	Rev. Date
70% Submittal	07/26/24
100% Submittal	08/16/24
Bidding And Construction	08/30/24

Site Improvements Elder Lane Beach Winnetka, IL

Winnetka Park District
Winnetka, IL

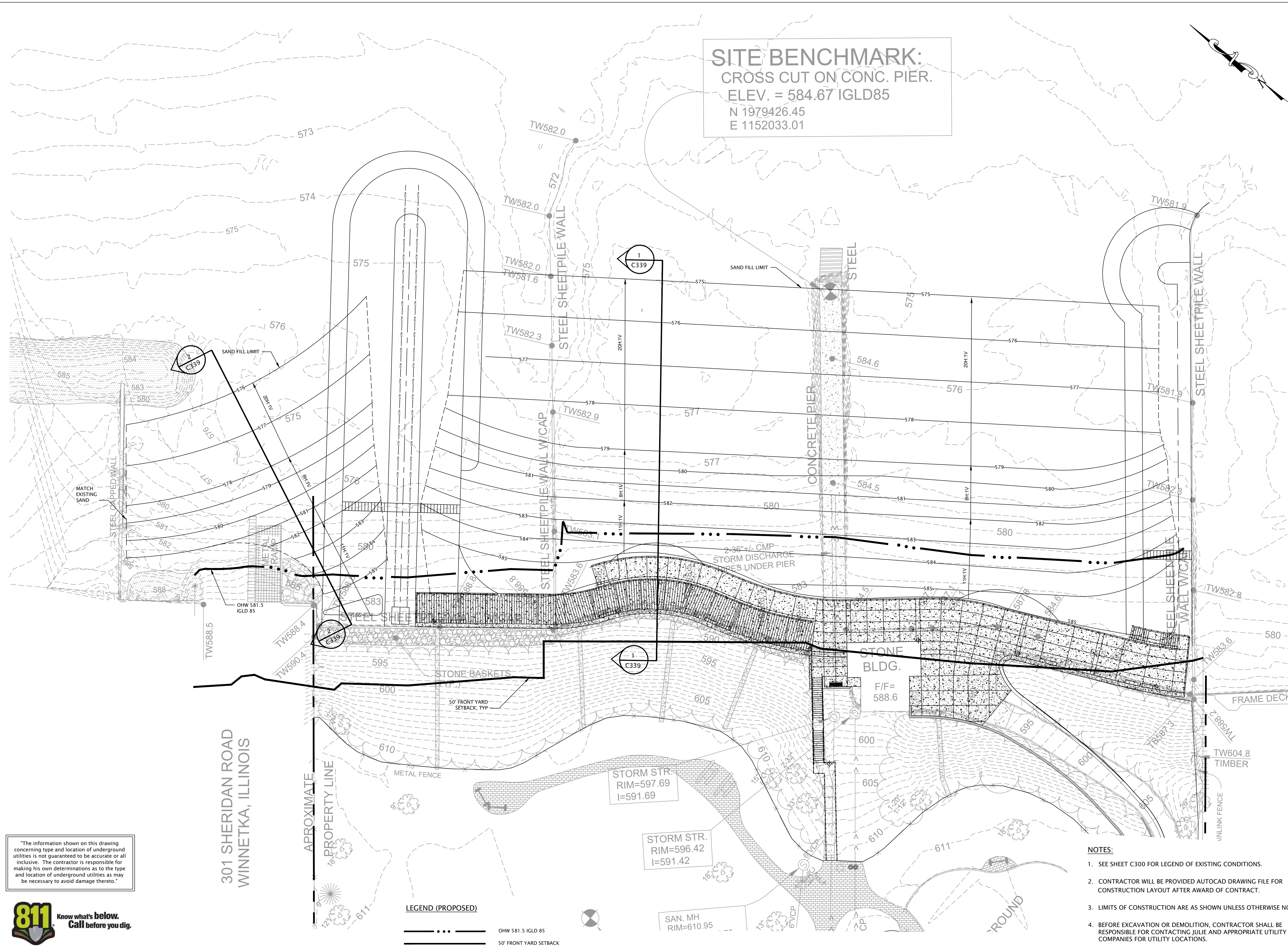
0' 10' 20'

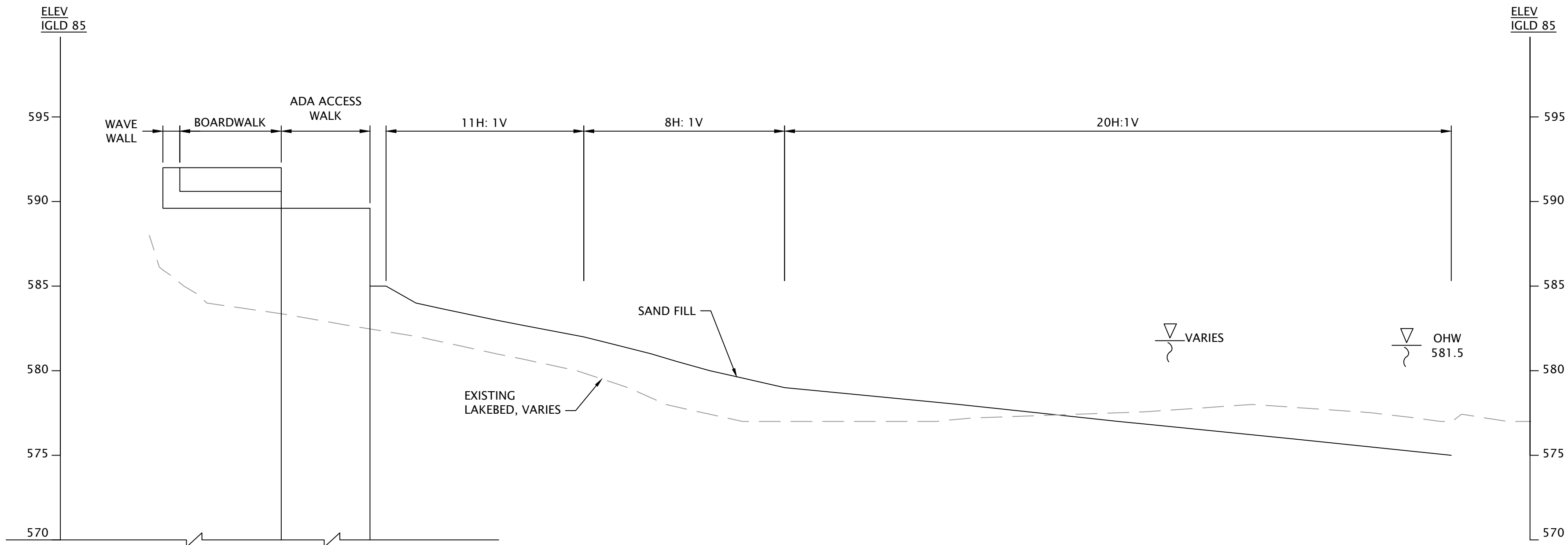
(In Feet)

1 Inch = 20 Ft.

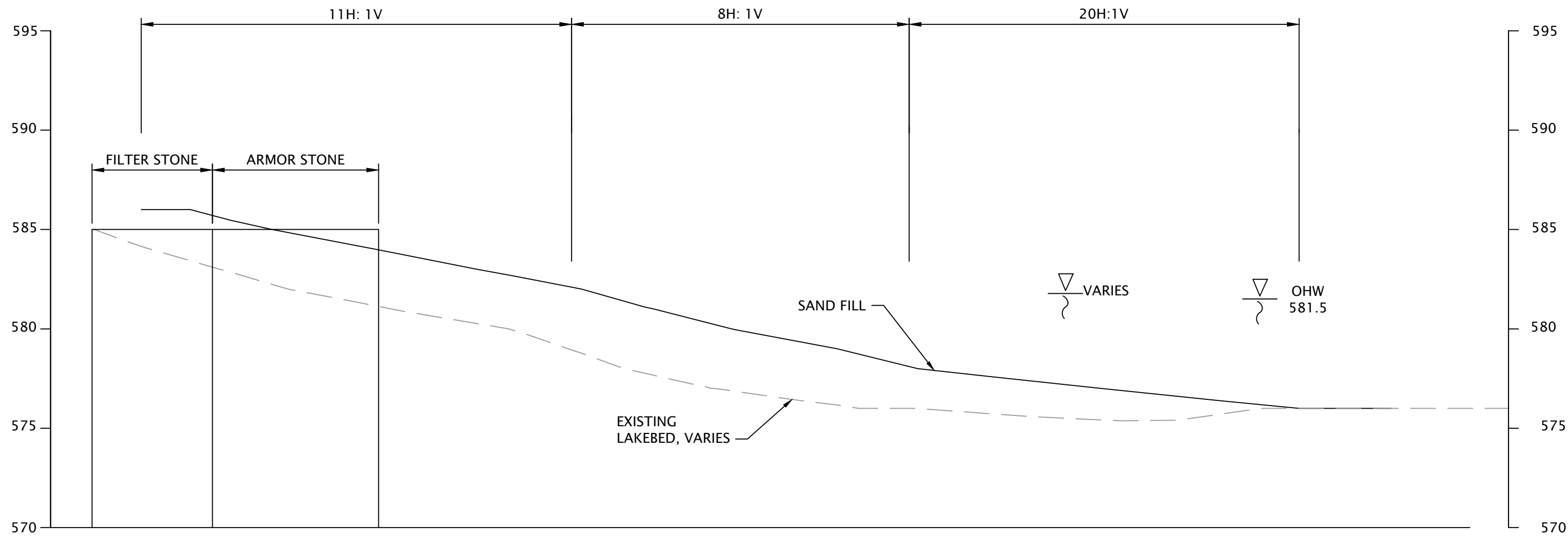
Drawing Title
Sand Fill Layout Plan

Sheet No. C338





1 SAND FILL SECTION 1
C339 SCALE : H: 1" = 10'
V: 1" = 5'



2 SAND FILL SECTION 2
C339 SCALE : H: 1" = 10'
V: 1" = 5'



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70% Submittal	07/26/24
100% Submittal	08/16/24
Bidding And Construction	08/30/24

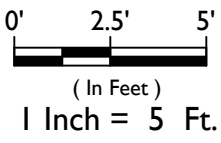
Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



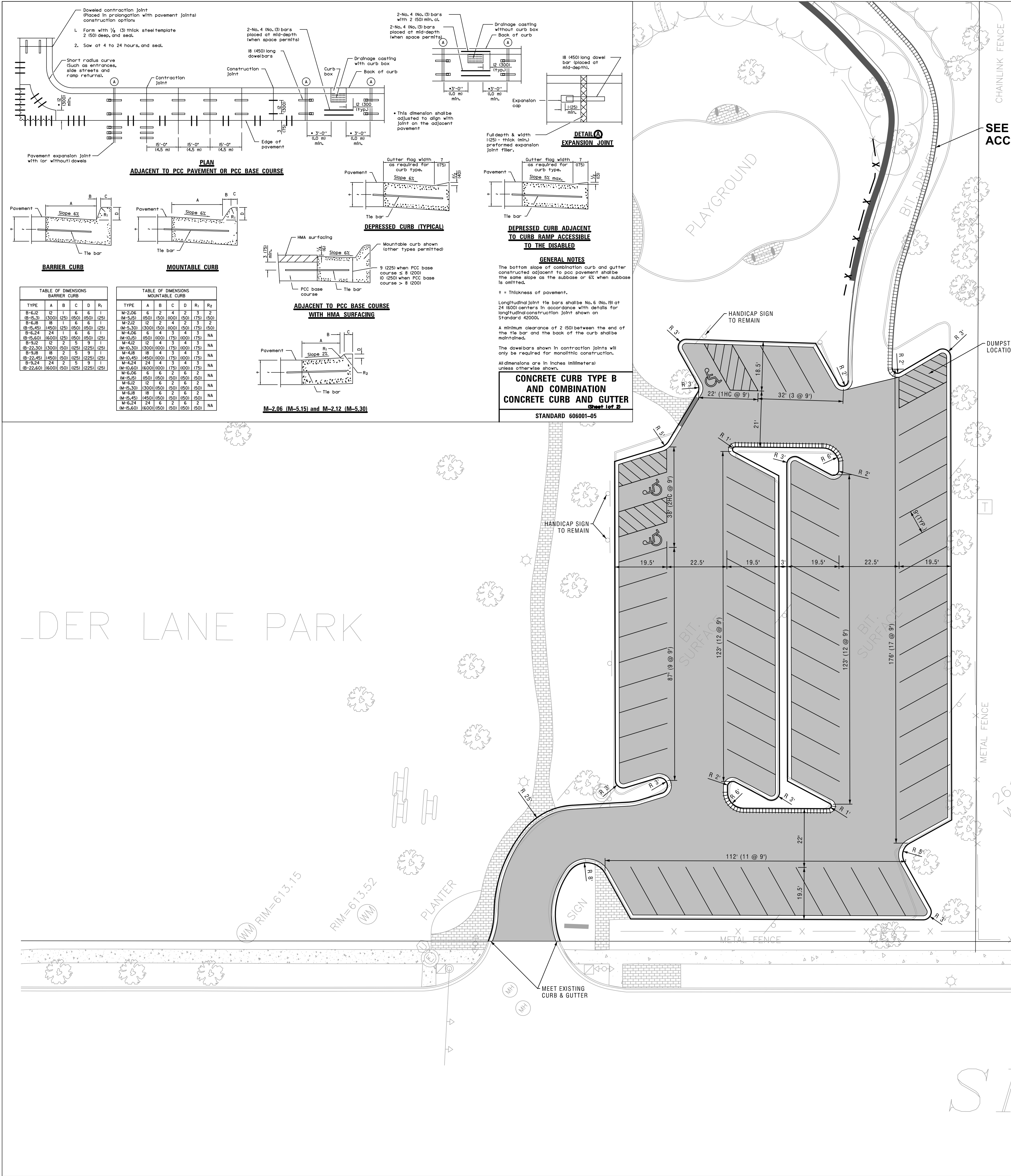
Scale 1 Inch = 5 Ft.

Drawing Title

SAND FILL SECTION

Sheet No.

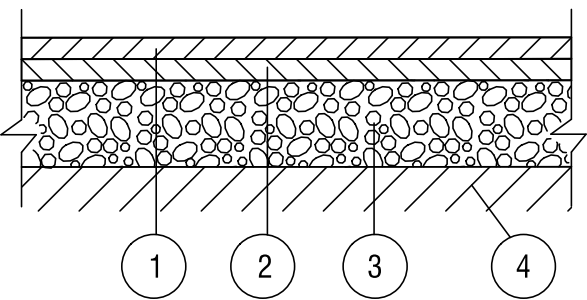
C339



SEE SHEET C306 FOR ACCESS ROAD PLAN

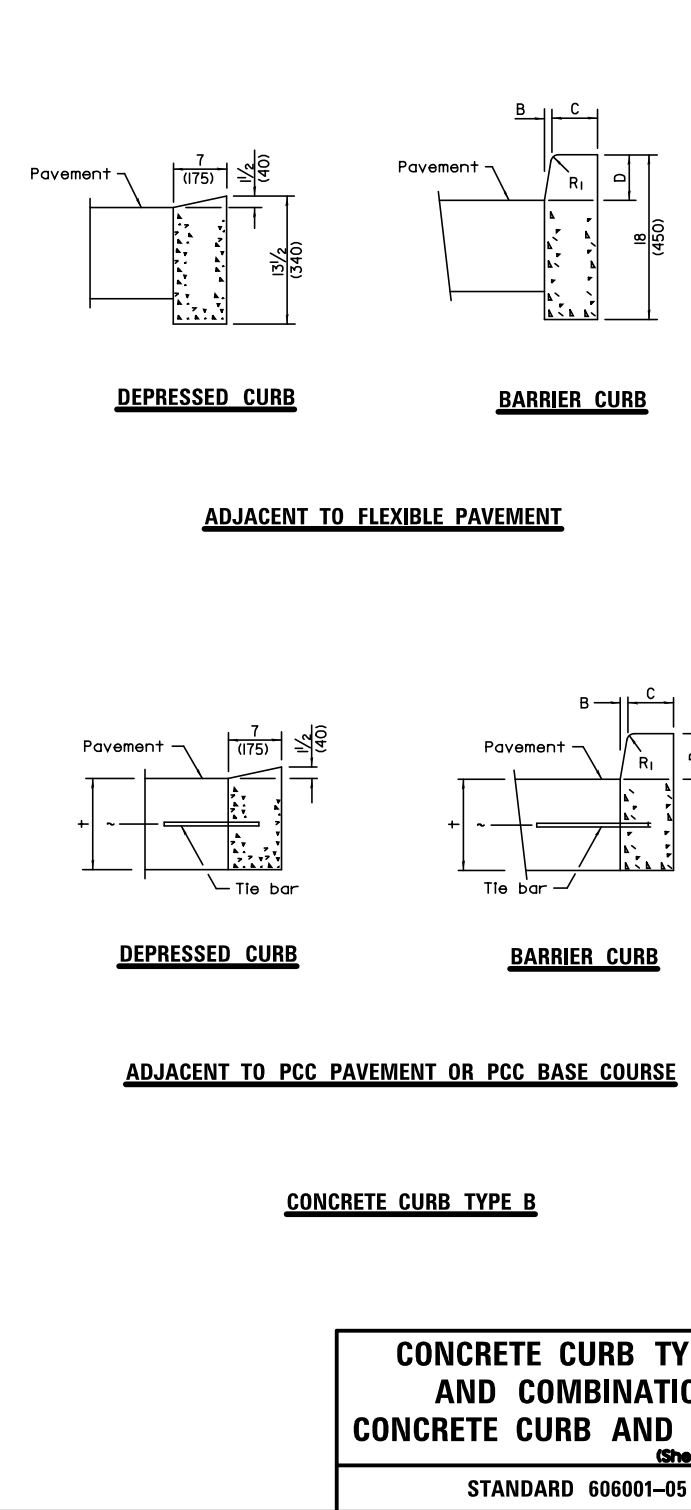
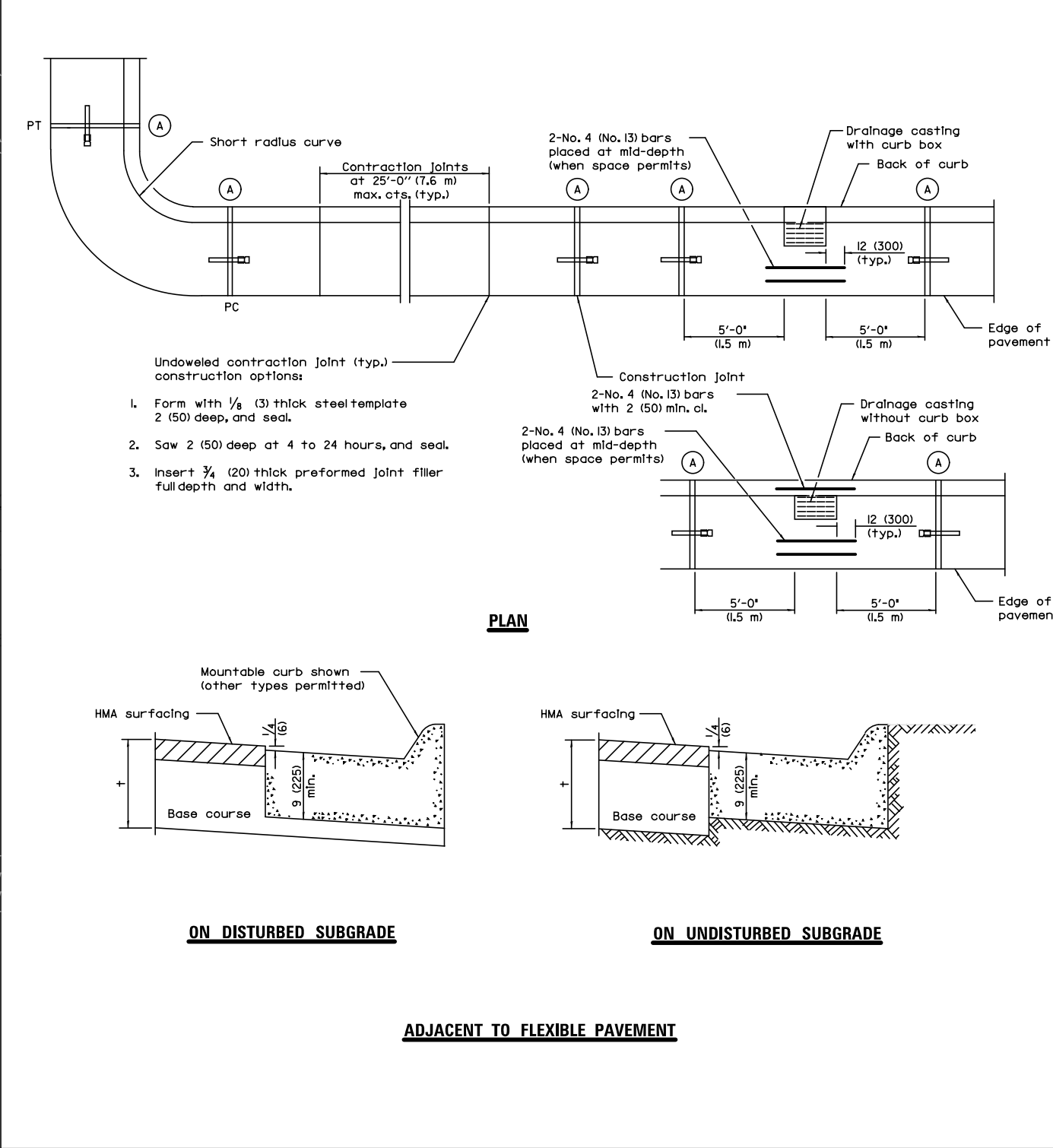
PARKING SUMMARY	
PROPOSED CONDITION	
PROPOSED STANDARD:	63
PROPOSED ADA:	3
TOTAL STALLS:	66

- NOTES:
1. ALL DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
 2. ALL CURBS AND GUTTERS ARE REVERSED PITCH UNLESS OTHERWISE NOTED.
 3. ALL PAVEMENT MARKINGS SHALL BE PAINT.
 4. ALL ACCESSIBLE PARKING SPACE SIGNAGE SHALL CONFORM TO ILLINOIS ACCESSIBILITY CODE.
 5. SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR DESIGN AND DETAILS OF THE BUILDINGS, RETAINING WALLS, AND BOARDWALK.



- TYPICAL ASPHALT PAVEMENT SECTION
N.T.S.
- 1 2" HMA SURFACE COURSE, MIX "C", N50
 - 2 2" HMA BINDER COURSE, IL 19.0, N50
 - 3 6" AGGREGATE BASE COURSE, TYPE B
 - 4 EXISTING STONE FROM HAUL-ROAD

(1) GEOTECHNICAL ENGINEER TO CONFIRM STONE IS SUITABLE FOR PROPOSED BASE.



CONCRETE CURB TYPE B
AND COMBINATION
CONCRETE CURB AND GUTTER
STANDARD 606001-05



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100% Submittal	08/16/24
Bidding and Construction	08/30/24

Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



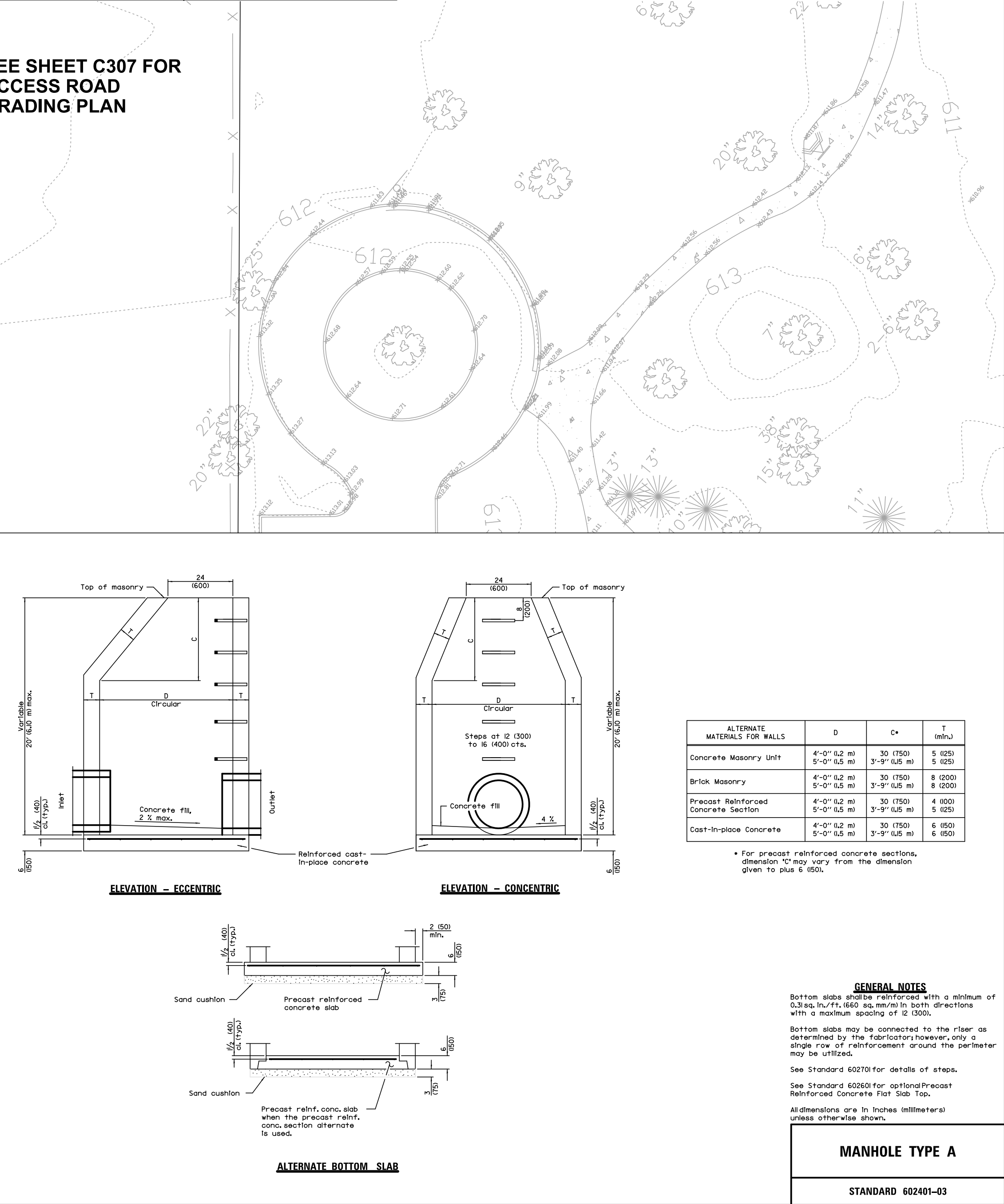
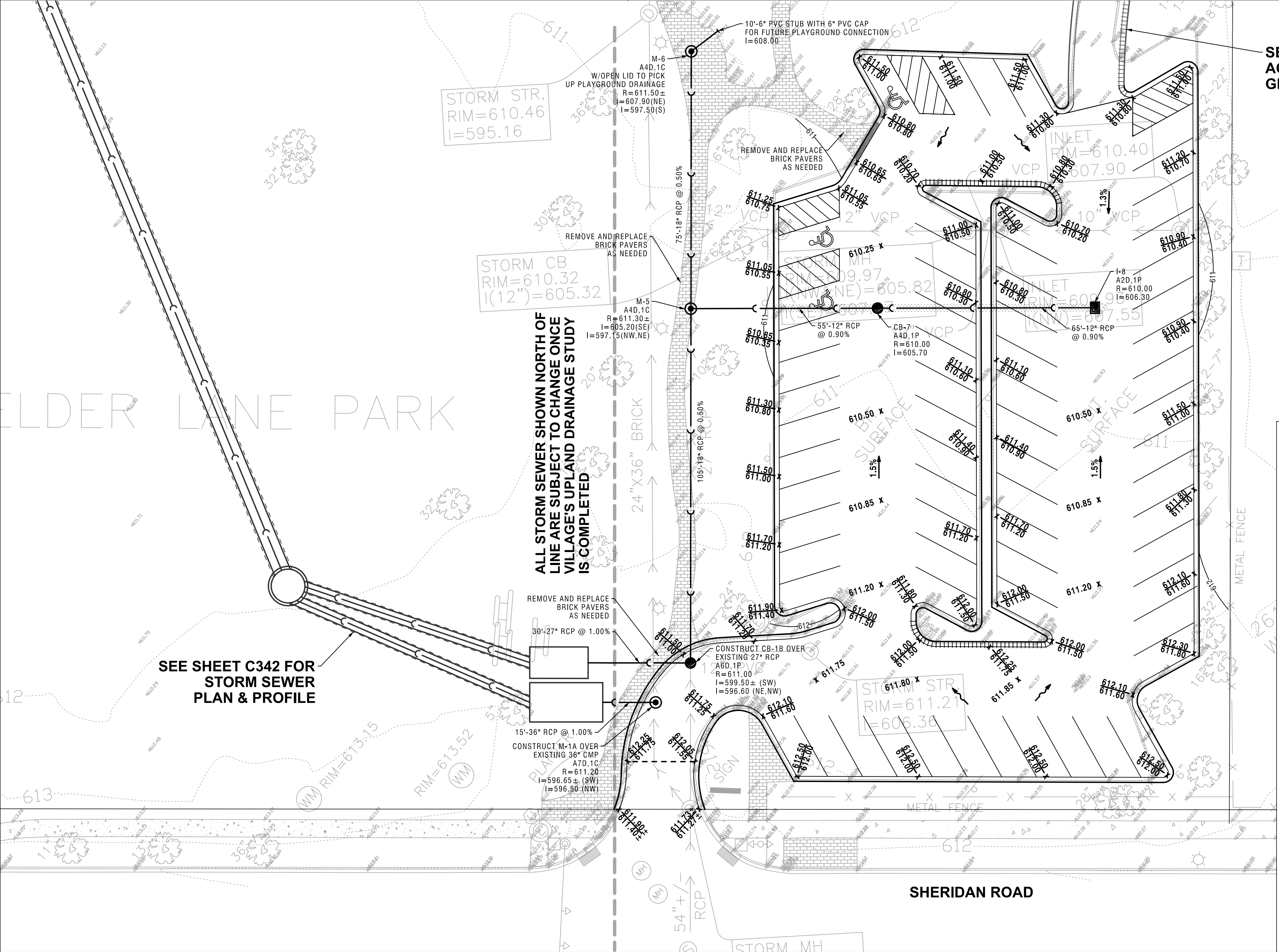
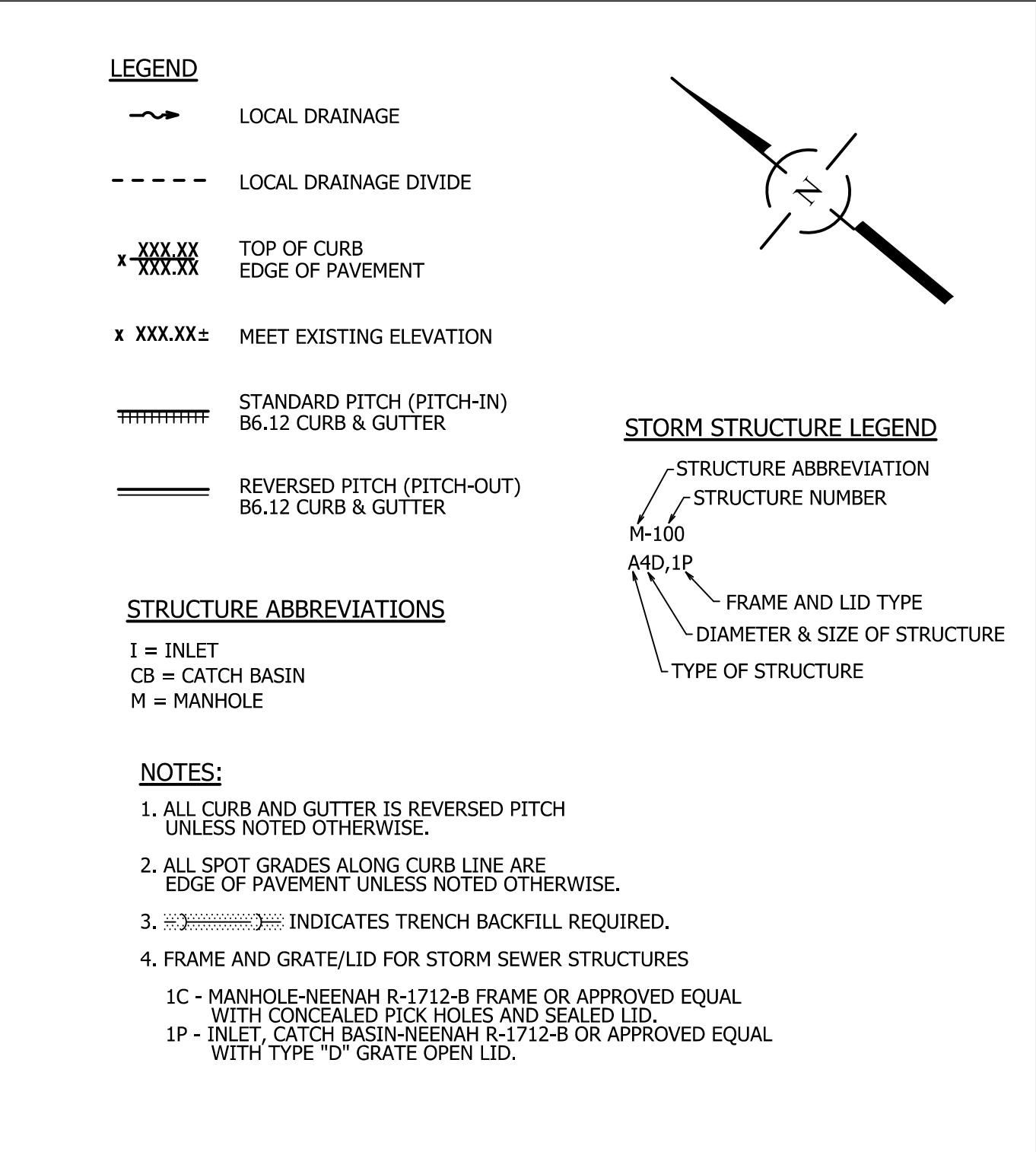
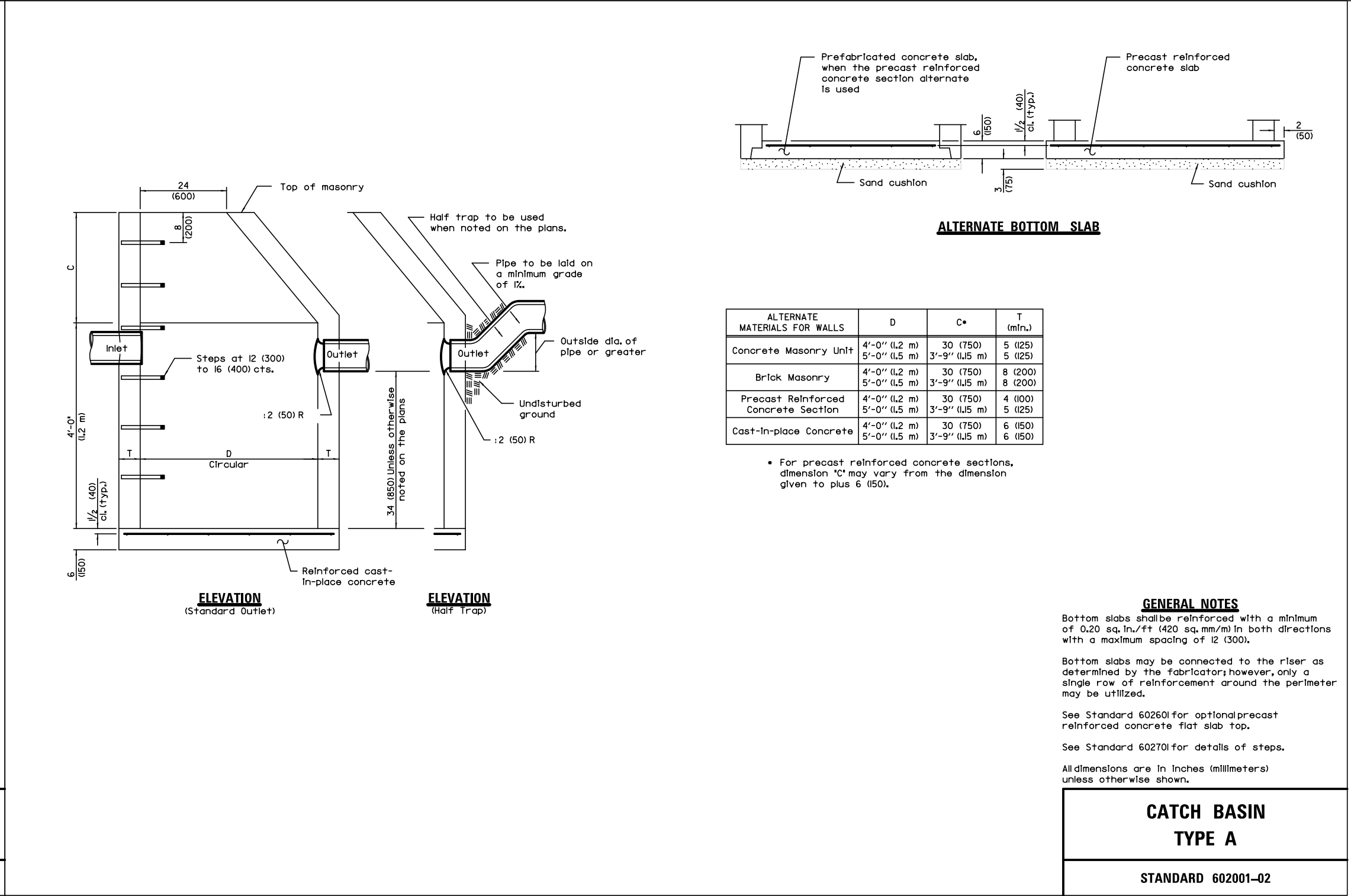
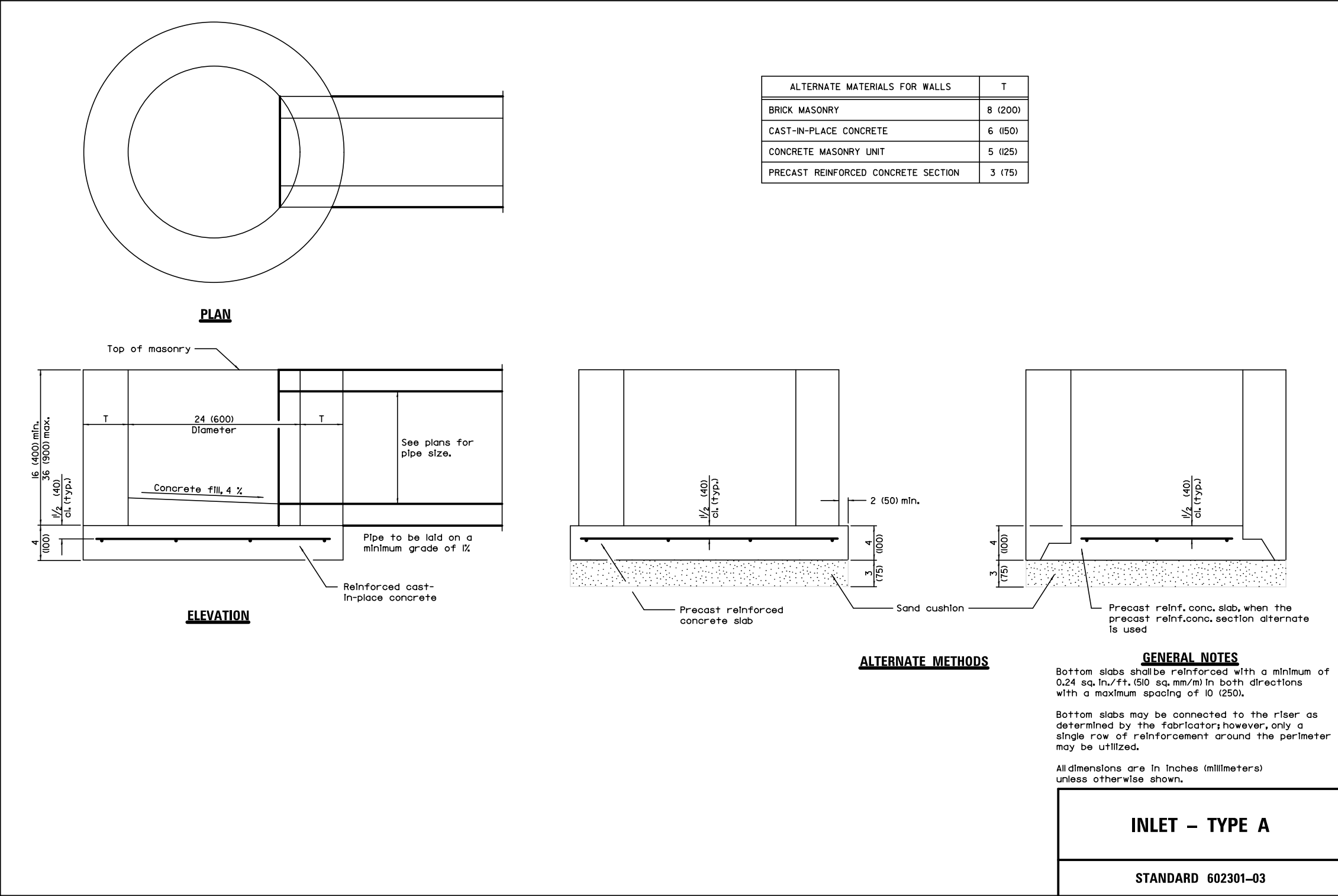
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Drawing Title

PARKING LOT
IMPROVEMENTS
GEOMETRIC PLAN

Sheet No.

C340



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100% Submittal

Bidding and Construction

Rev. Date

07/26/24

08/16/24

08/30/24

Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

SCALE 1" = 20'

Scale

1 Inch = 20 Ft.

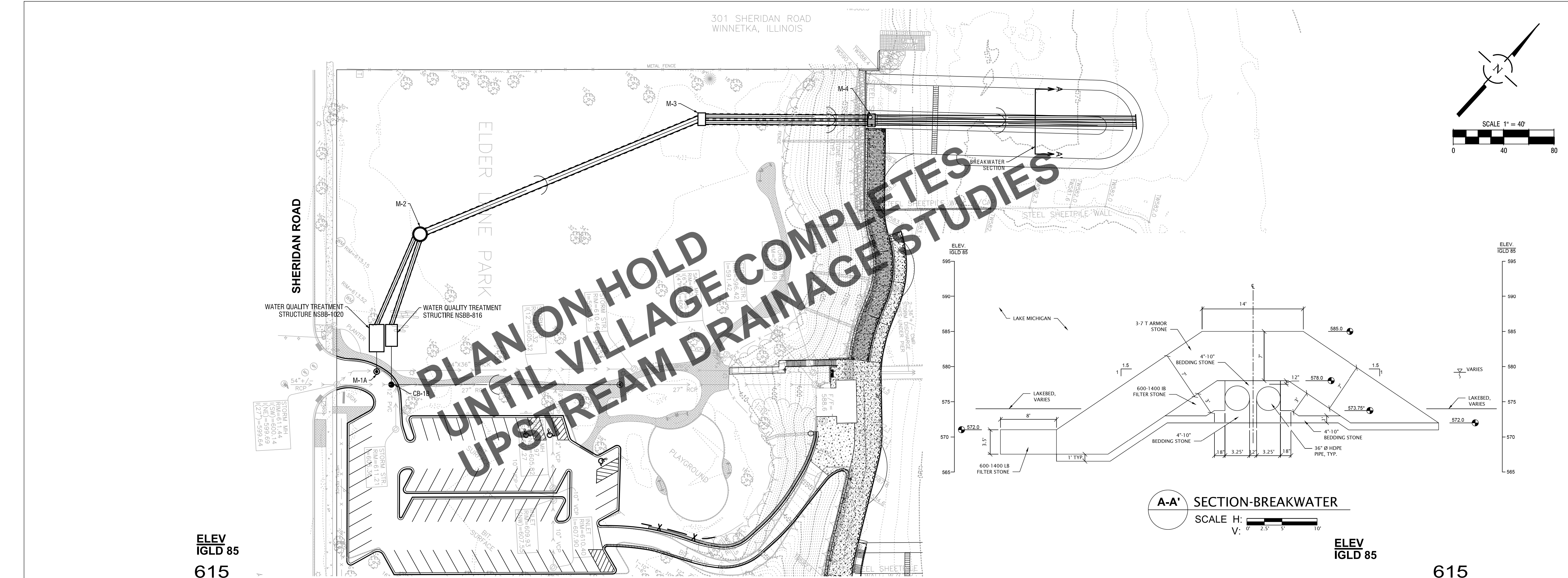
Drawing Title

PARKING LOT IMPROVEMENTS

GRADING & UTILITY PLAN

Sheet No.

C341



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Consultants



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Bidding and Construction	08/30/24

Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

SCALE
1" = 40' HORIZ.
1" = 5' VERT.

Scale 1 Inch = 20 Ft.

Drawing Title

STORM SEWER PLAN
& PROFILE

Sheet No.

C342

1. The building code applicable to this project is the International Building Code (IBC) 2017.
2. All details and sections shown on the drawings are typical and shall be used wherever a similar condition occurs unless noted otherwise.
3. Contractor shall field verify all existing dimensions and conditions as it relates to new construction. Contractor shall report any discrepancies to the E/A.
4. The stability and strength of the completed structure depends upon the interaction of various connected parts such as diaphragms, braces and/or shear walls. Contractor shall provide temporary bracing and/or shoring as necessary to complete the work.
5. Design Loads:

Dead Load	actual weight
Uniform Live Load	100 psf
Concentrated Live Load.....	300 pounds

Roof Snow Load:

Ground Snow Load (P_g).....	25 psf
Flat Roof Snow Load (P_f).....	17 psf
Snow Exposure Factor (C_e).....	0.8
Snow Load Importance Factor (I).....	1.0

Wind load:

Basic Wind Speed	107 mph
Wind Load Importance Factor	1
Wind Exposure Category	D
Wind Design Pressure (P)	30 psf

1. For location of soil borings see Civil or Architectural Plans.
2. For boring logs and foundation report see the appendix to the project manual.

1. Minimum required net bearing capacity is: 3000 psf
3000 psf - for spread footings
2. Where foundation is over excavated, remove all disturbed foundation soil and replace with lean concrete or compacted structural backfill.
3. Over excavate unsuitable foundation soil where required by the E/A and replace with compacted structural backfill. See specifications.

1. Provide shoring and bracing for structural elements during partial removal to avoid any damage to the existing facilities.
2. Existing structures shall be protected from overloading due to construction loadings. Heavy equipment shall not be operated close to existing tanks to avoid high lateral earth pressures on walls.
3. Damage to adjacent facilities during construction shall be repaired at no additional cost to the owner.

1. Concrete work on this project shall conform to all requirements of ACI 301, standard specifications for structural concrete, published by the American Concrete Institute (ACI), Detroit, Michigan, except as modified by the requirements of these contract documents.
2. All concrete shall be provided with a minimum ultimate compressive strength at 28 days (F_c) of 3000 psi
3. All exterior concrete, building foundations and concrete subject to freeze-thaw shall have 4% to 7% air content by volume measured in accordance with ASTM C231. Air entraining admixtures shall conform to ASTM C260. The slump shall not exceed 4 inches measured in accordance with ASTM C143.
4. Reinforcing steel shall conform to ASTM A-615 Grade 60. Welded wire fabric shall conform to ASTM A-185.
5. Submit shop drawings of the reinforcement bars prepared in accordance with ACI 315, details and detailing of concrete reinforcement.
6. Welding of reinforcing bars shall not be permitted.
7. No calcium chloride will be used in concrete.
8. Dusting with any material to absorb surface water is prohibited.
9. Curing procedures in accordance with ACI 301 shall continue for a period of at least 7 days.

- | | Minimum
Cover, Inches |
|--|--------------------------|
| Slabs and joists: | |
| Top and bottom bars for dry conditions:
#11 bars and smaller | 3/4 |
| Formed concrete surfaces exposed to earth,
water, or weather, and over or in contact
with sewage and for bottoms bearing on
work mat, or slabs supporting earth cover:
#5 bars and smaller | 1 1/2 |
| #6 through #11 bars | 2 |
| Beams and Columns: | |
| For dry conditions:
stirrups, spirals, and ties
principal reinforcement | 1 1/2
2 |
| Exposed to earth, water, sewage, or weather:
stirrups and ties
principal reinforcement | 2
2 1/2 |
| Walls: | |
| For dry conditions:
#11 bars and smaller | 3/4 |
| Formed concrete surfaces exposed to earth,
water, sewage, weather, or in contact with
ground: | 2 |
| Footings and base slabs: | |
| At formed surfaces and bottoms bearing
on concrete work mat | 2 |
| At unformed surfaces and bottoms in
contact with earth | 3 |
| Top of footings - same as slabs
over top of piles | 2 |

- | | | Lap length - inches (smaller bar)* | | | | | | | | |
|-----------------|---|------------------------------------|-----------|-----------|-----------|-----------|-----------|-----------|------------|------------|
| <u>Bar Size</u> | | <u>#3</u> | <u>#4</u> | <u>#5</u> | <u>#6</u> | <u>#7</u> | <u>#8</u> | <u>#9</u> | <u>#10</u> | <u>#11</u> |
| A) | horizontal bars so placed that <u>more</u> than 12 inches of concrete will be cast below the bars | 24 | 32 | 40 | 48 | 70 | 80 | 91 | 102 | 113 |
| B) | Horizontal bars so placed that <u>less</u> than 12 inches of concrete will be cast below the bars | 19 | 25 | 31 | 37 | 54 | 62 | 70 | 79 | 87 |
| C) | Vertical Bars 19 | 25 | 31 | 37 | 54 | 62 | 70 | 79 | 87 | |

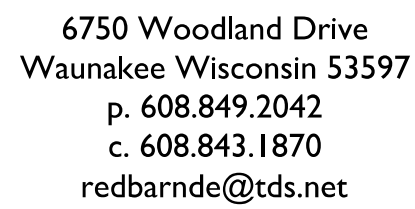
13. Obtain E/A's written approval for any additional or relocated construction joints other than those shown on drawings.
14. Unless shown otherwise, chamfer all exposed edges of concrete 3/4 inch.

C344 Stairs - General Notes and Bill of Materials

C345 Stairs - General Plan, Foundation Plan and Framing Plan

C346 Stairs - Structural Details (Sheet 1 of 2)

C347 Stairs - Structural Details (Sheet 2 of 2)

[illegible]

Site Improvements
Elder Park
Winnetka, IL

Winnetka Park District
Winnetka, IL

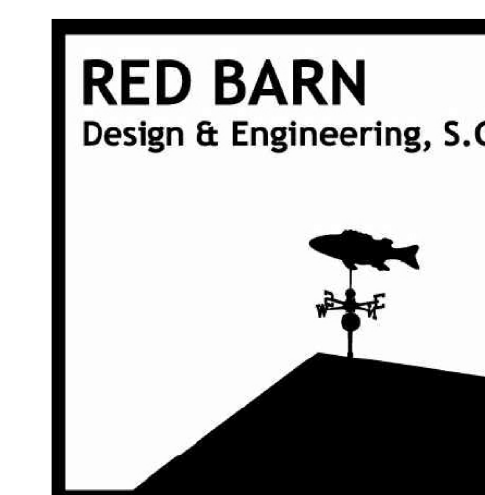
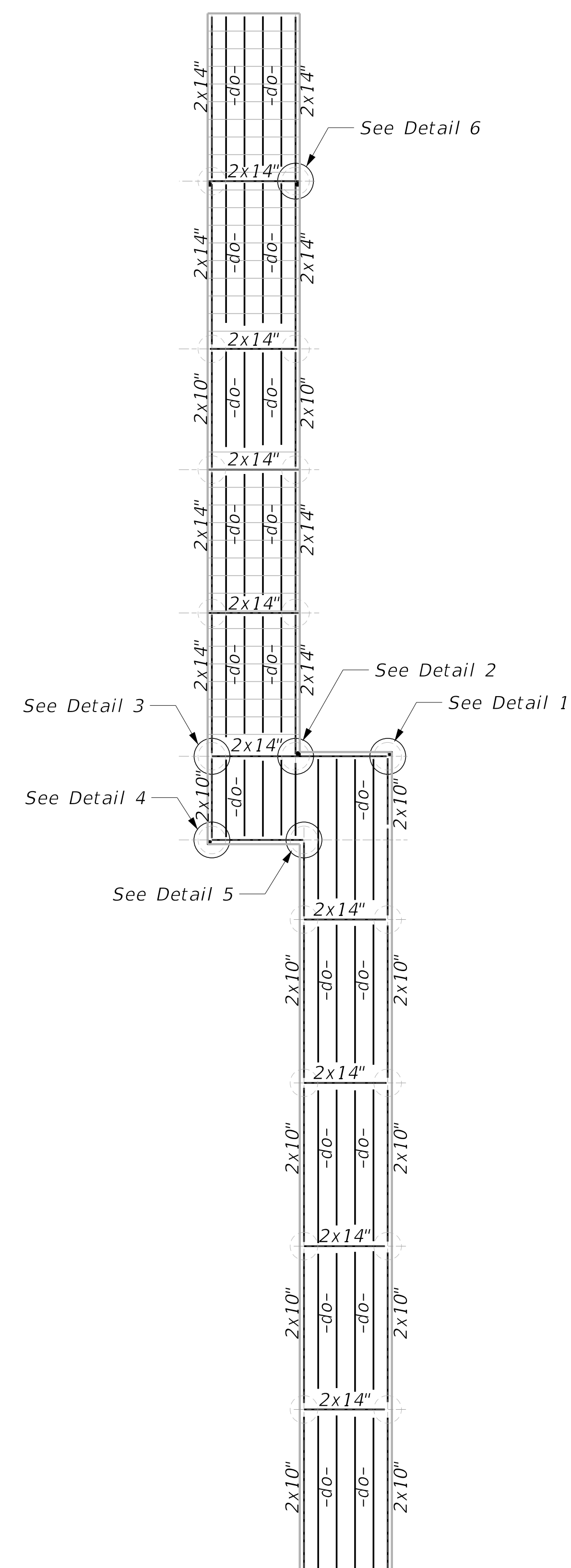
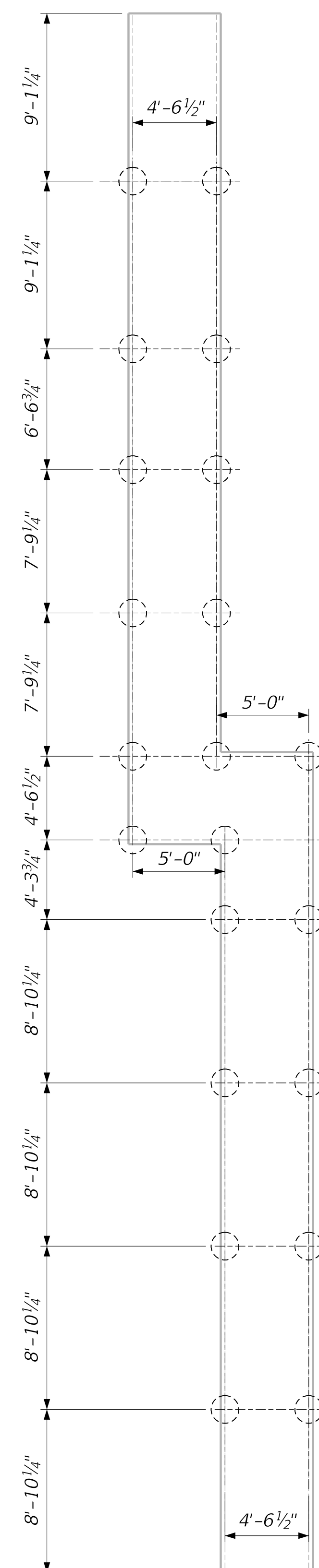
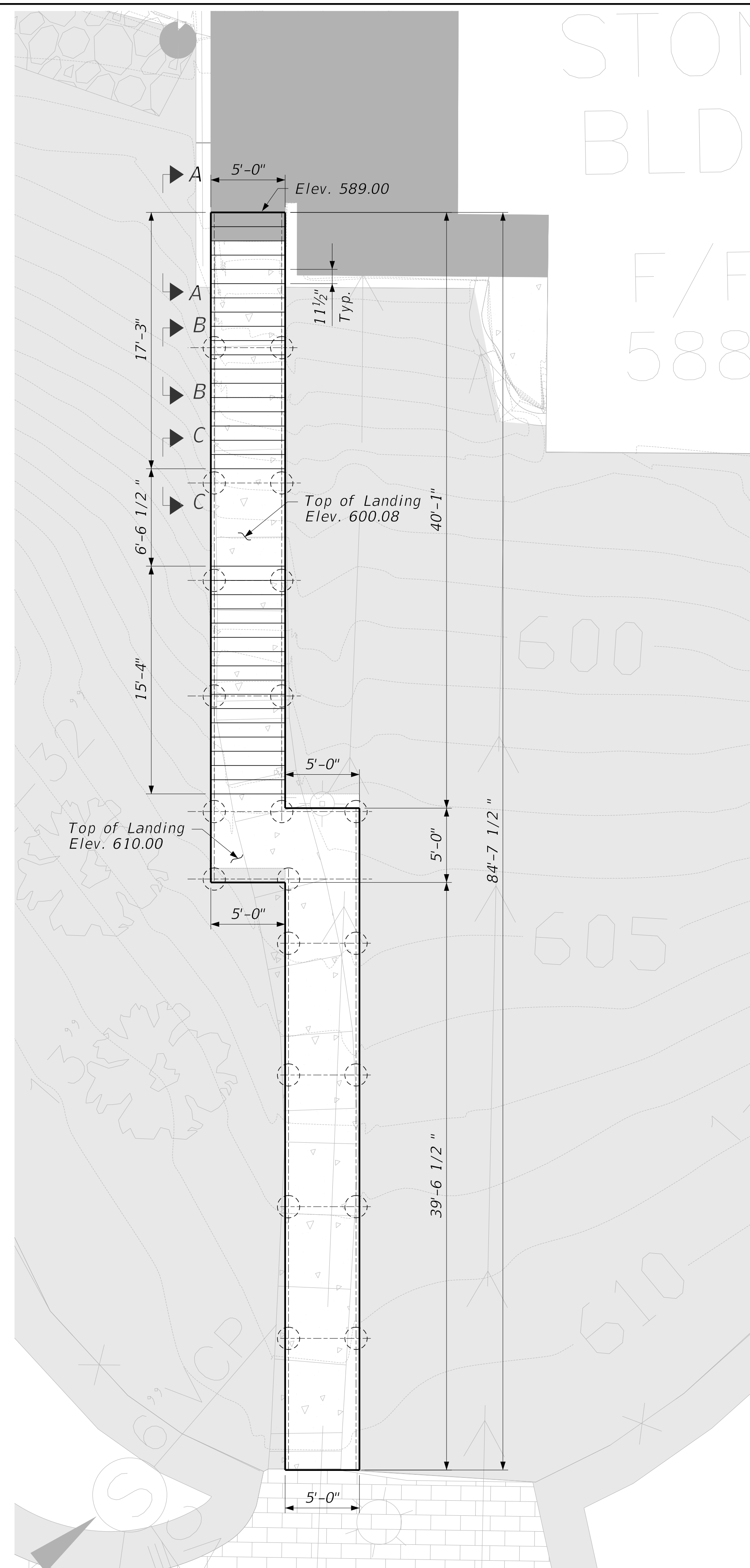
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BLUFF STAIRCASE GENERAL NOTES AND BILL OF MATERIALS

C344

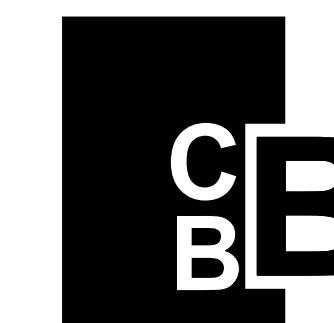
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Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

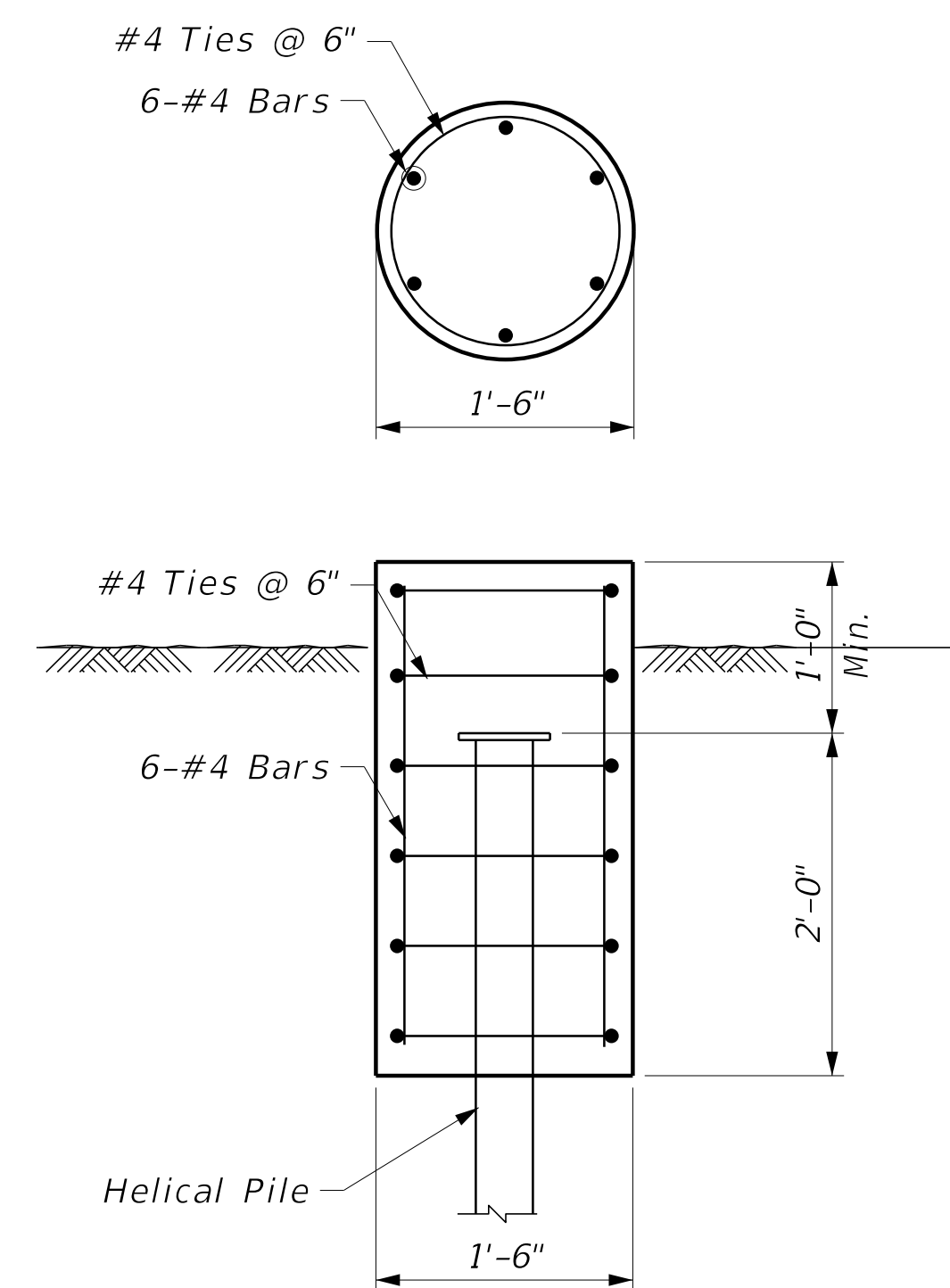
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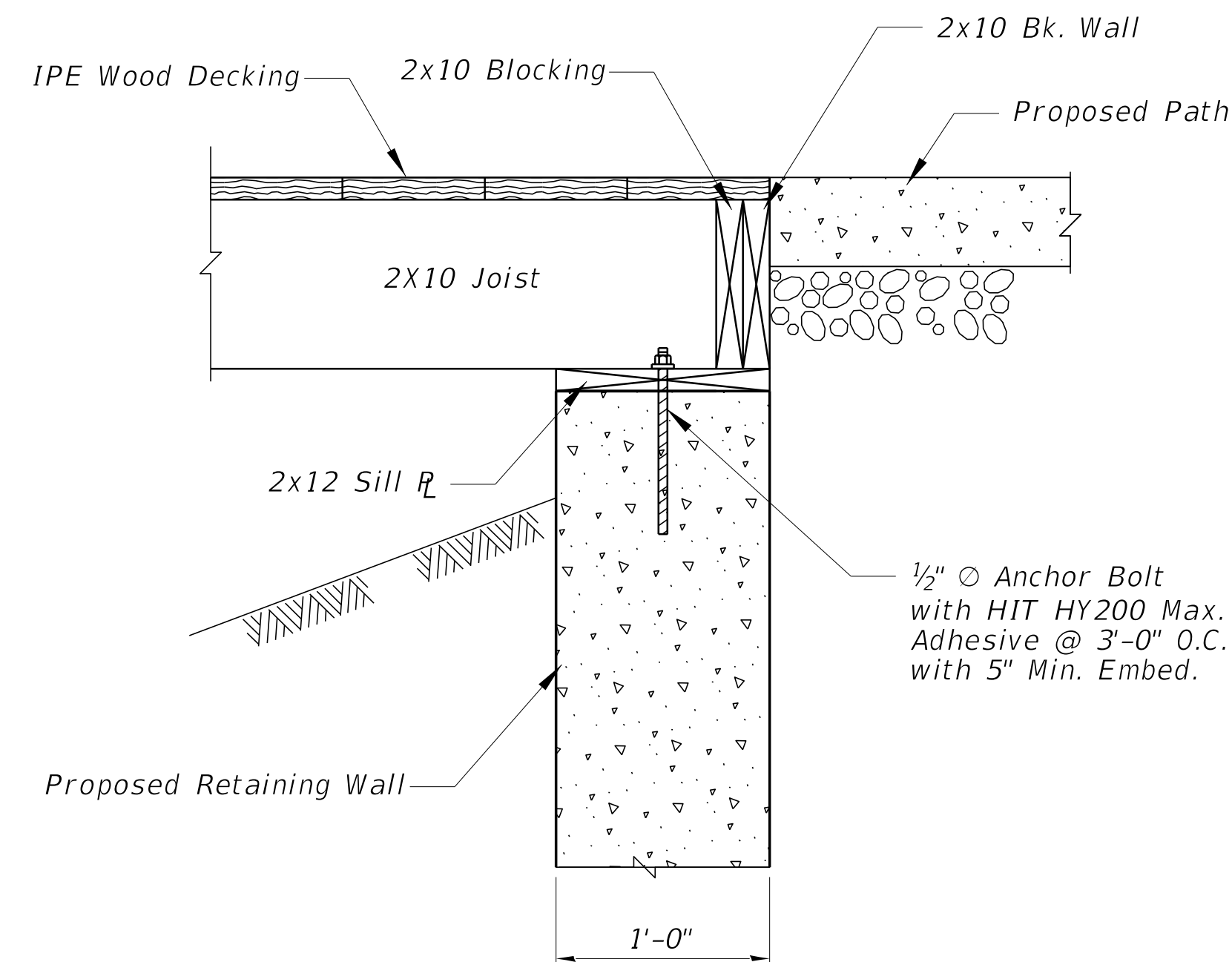
Drawing Title

BLUFF STAIRCASE
GENERAL PLAN
AND ELEVATION

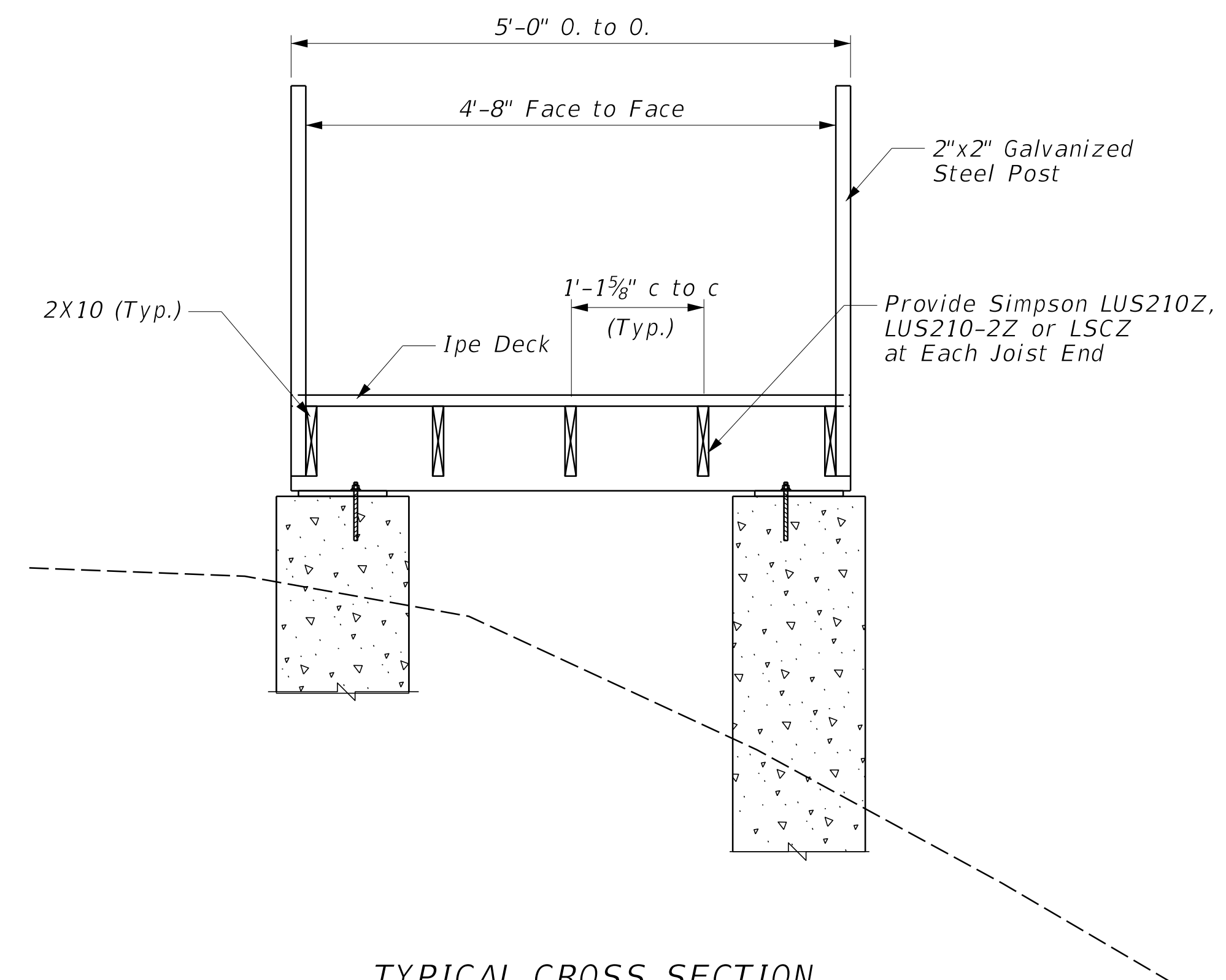
Sheet No. C345



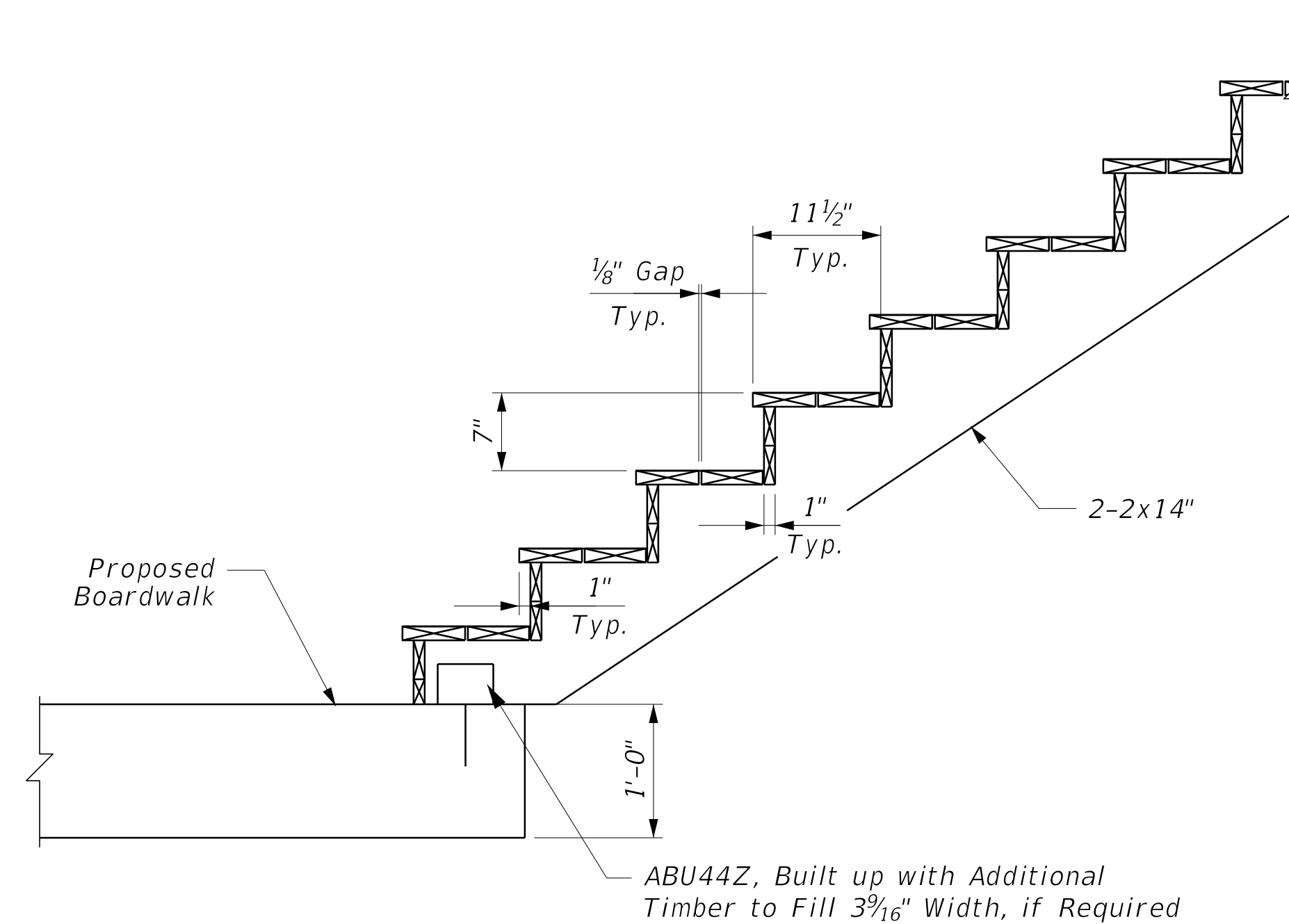
Typical Concrete Encasement for
Helical Piles Supporting Timber Posts



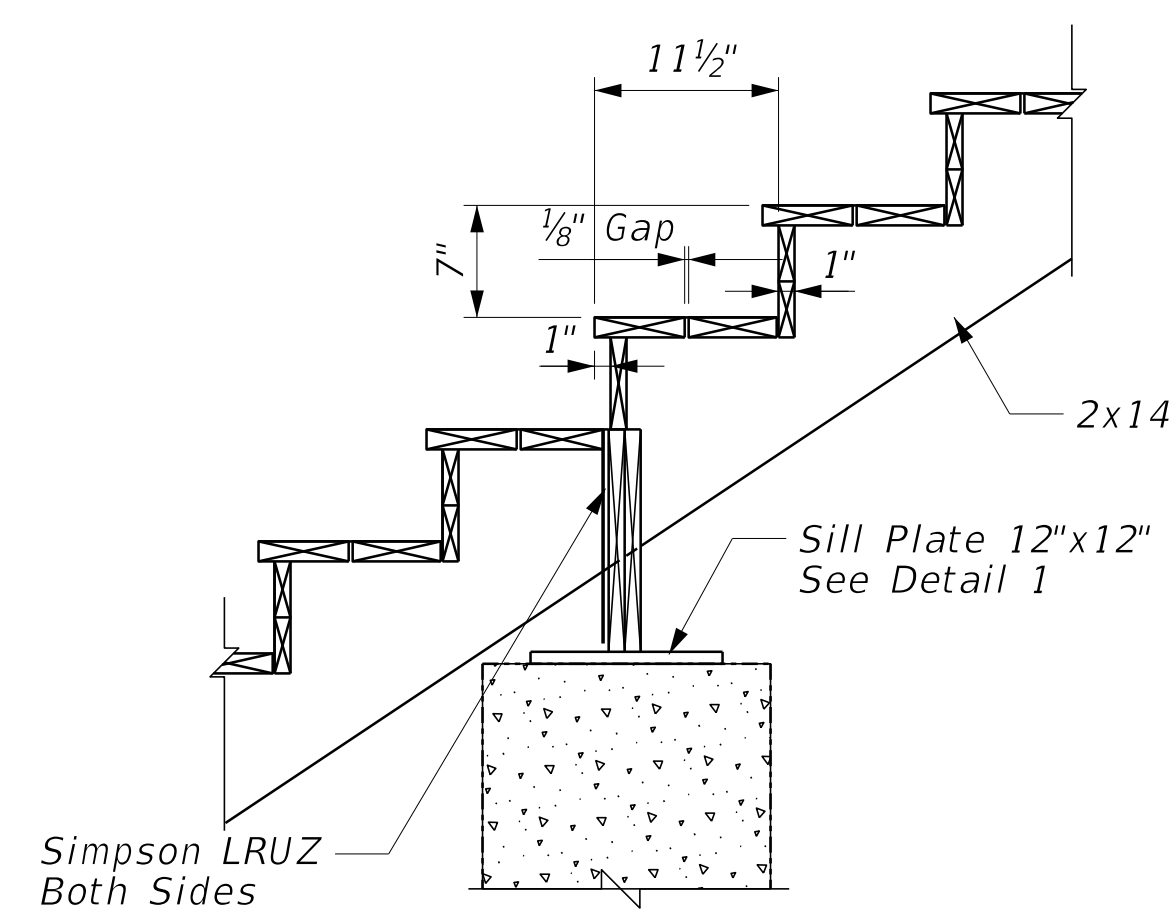
DECK SUPPORT DETAIL AT TOP STAIRS



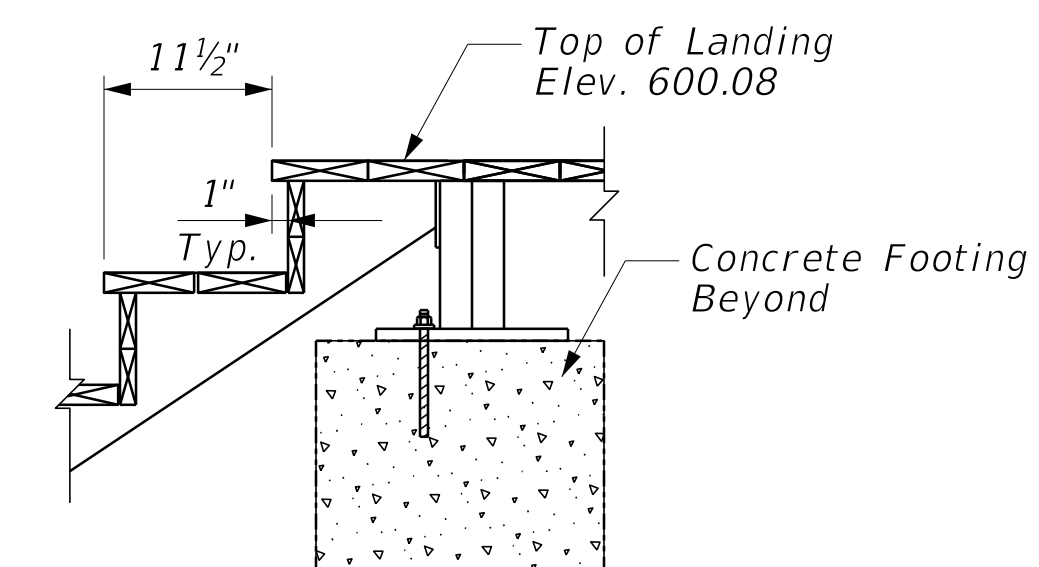
TYPICAL CROSS SECTION



SECTION A-A



SECTION B-B



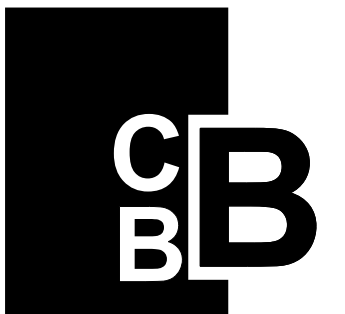
SECTION C-C

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Bidding and Construction	8/30/24
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Rev. Date

3/30/24

Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

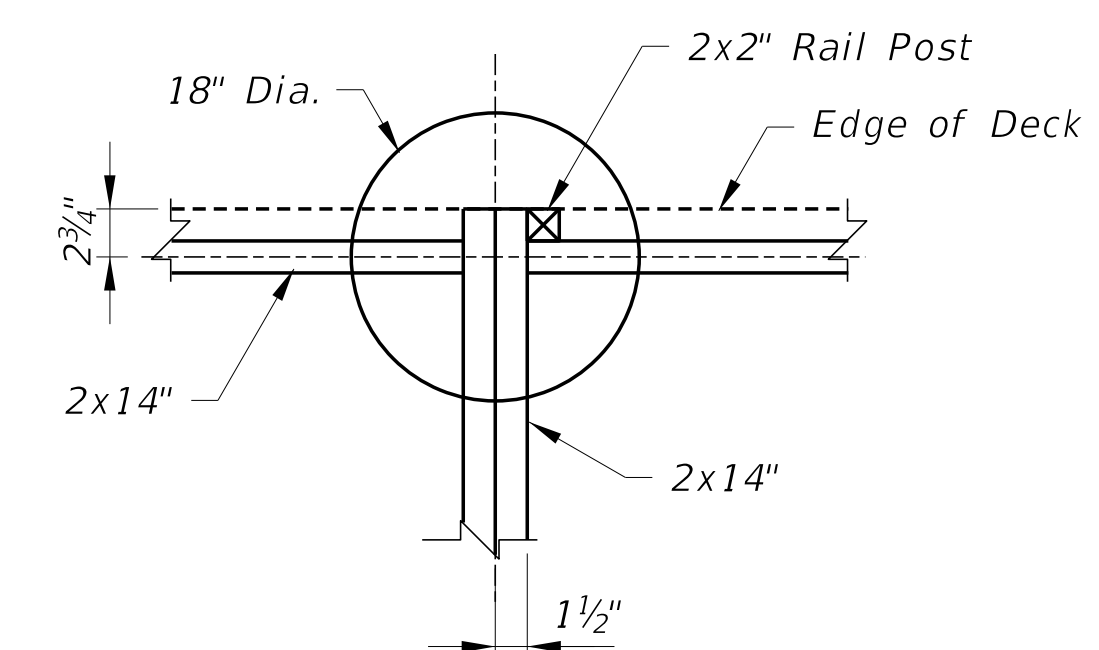
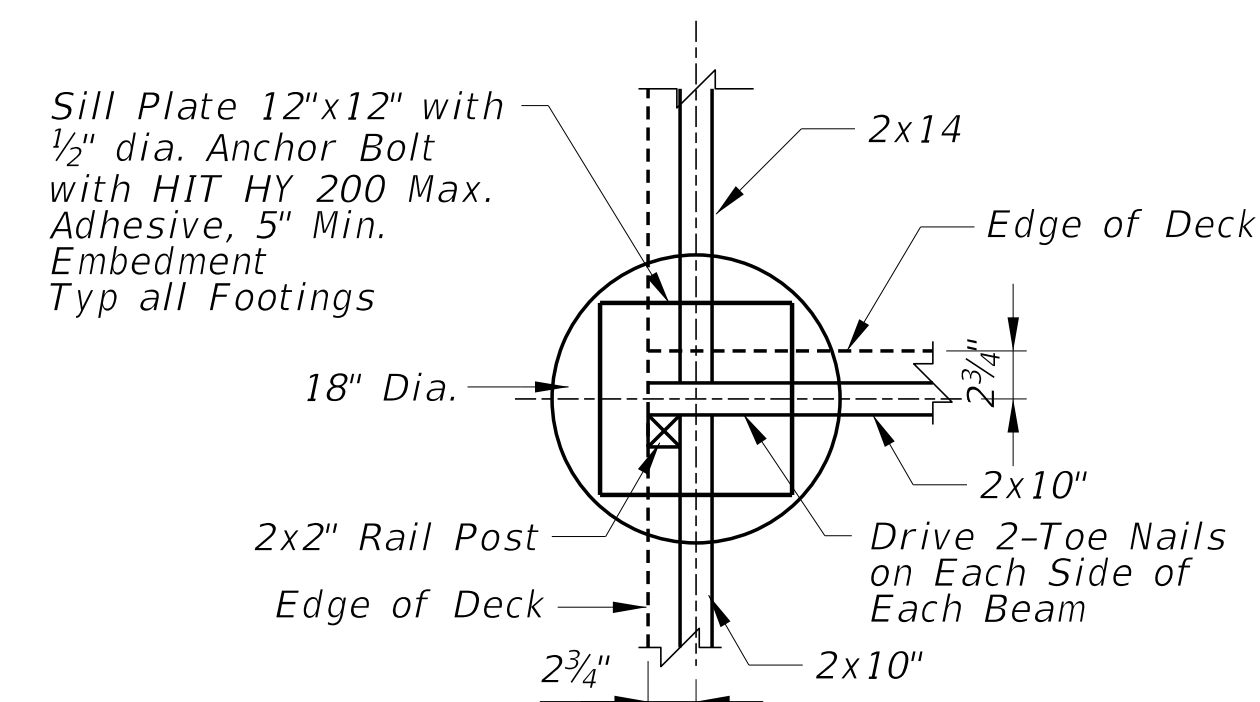
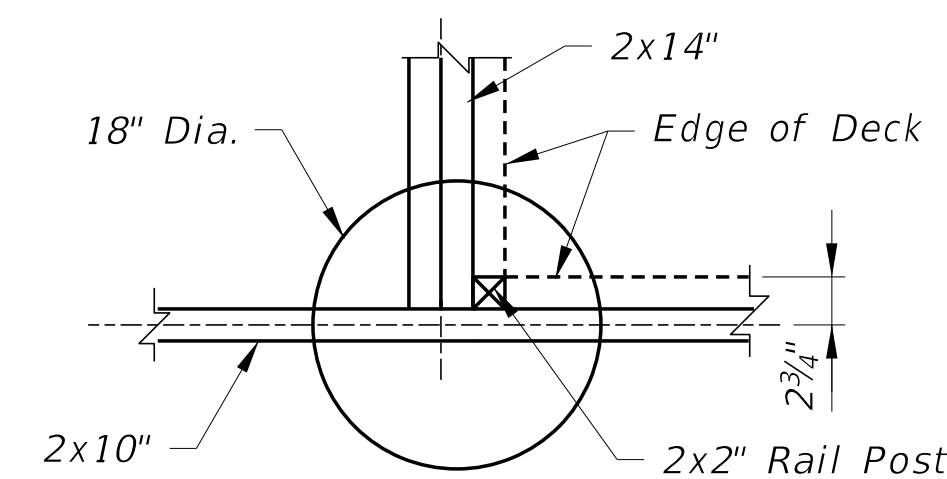
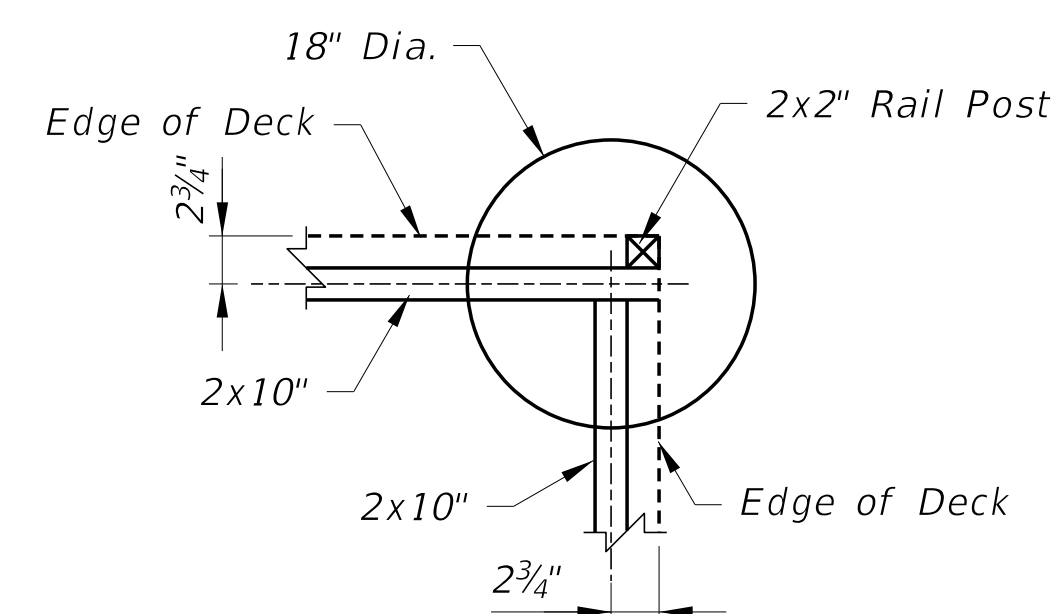
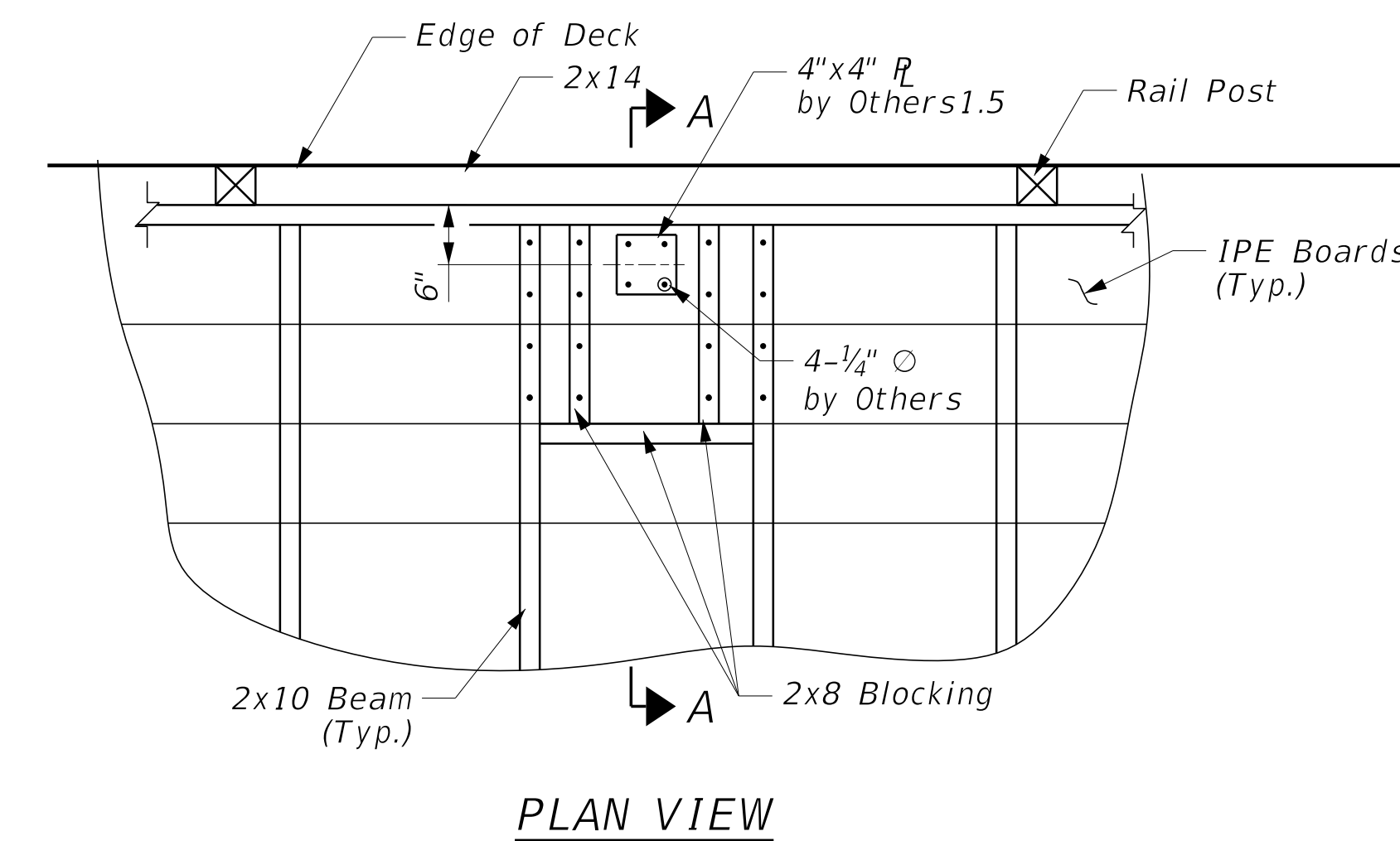
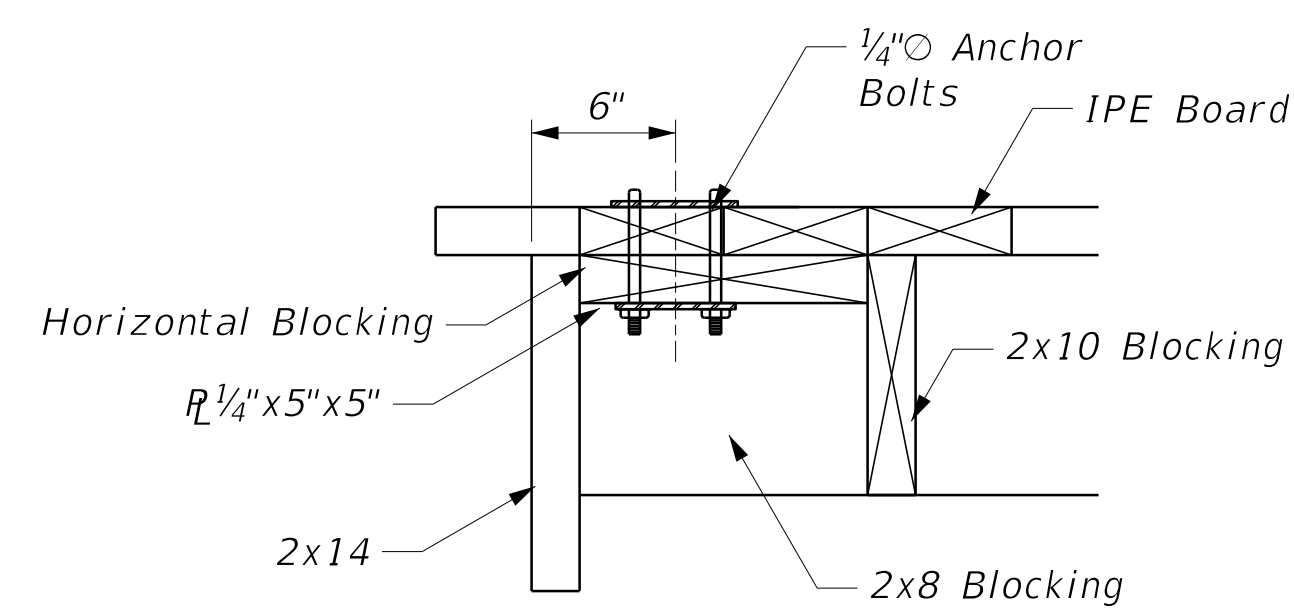
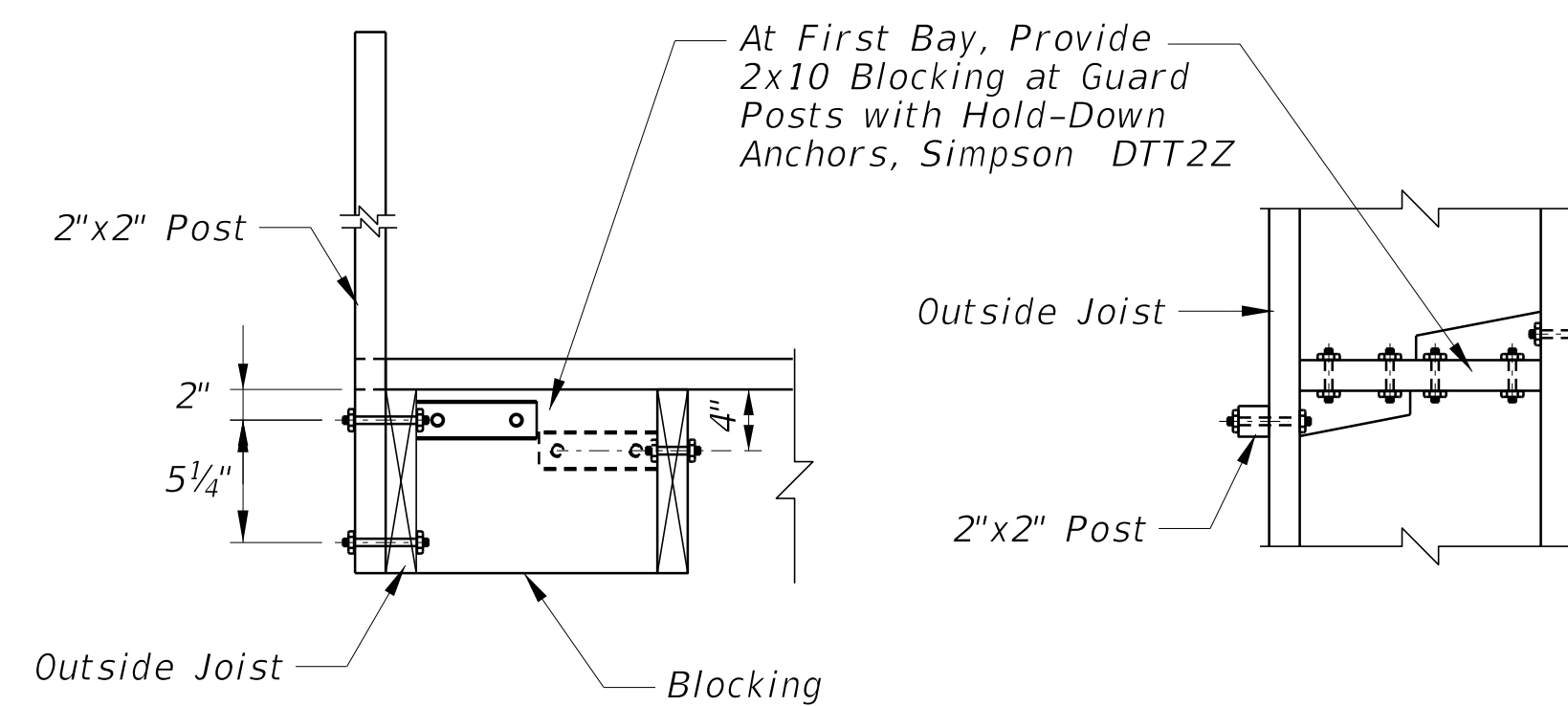
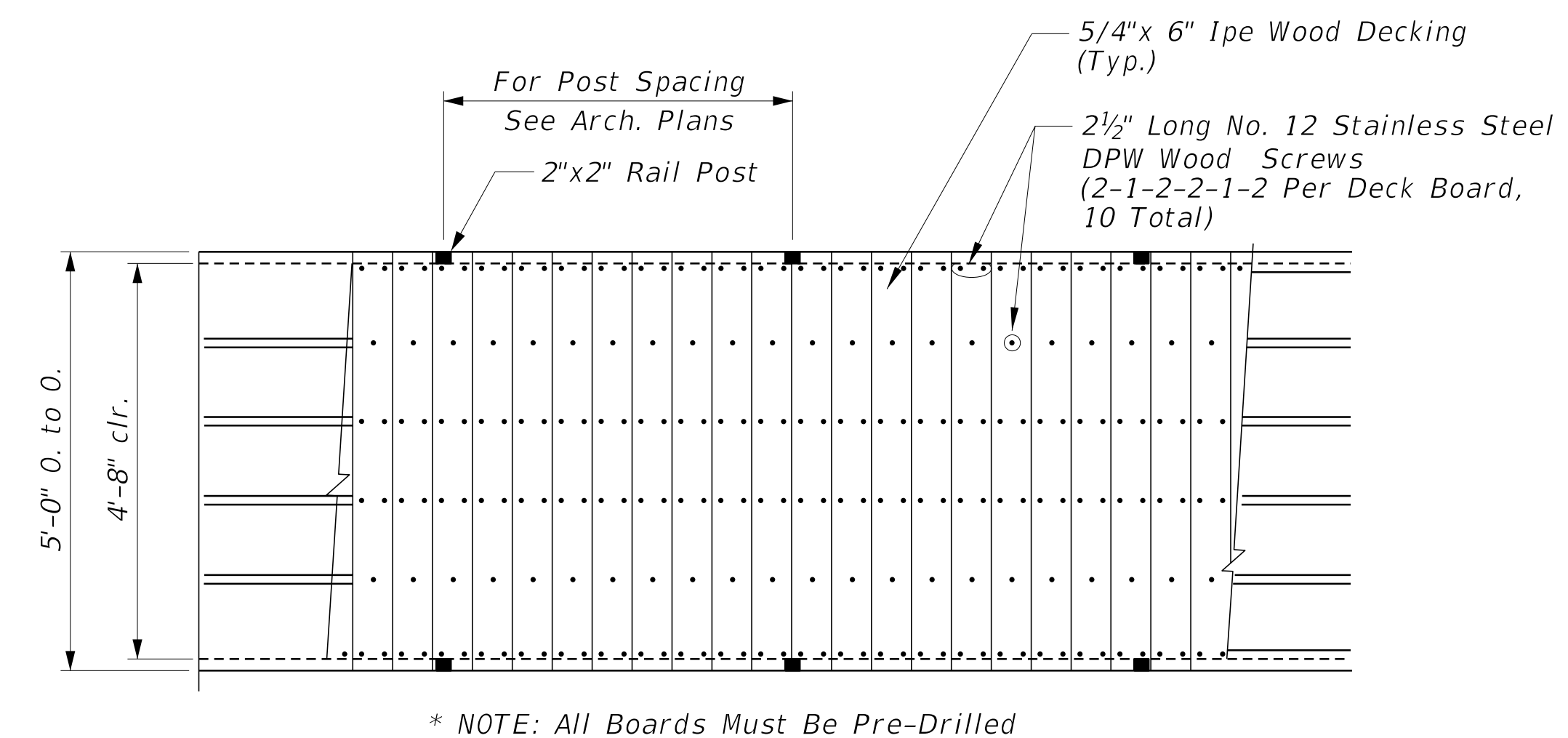
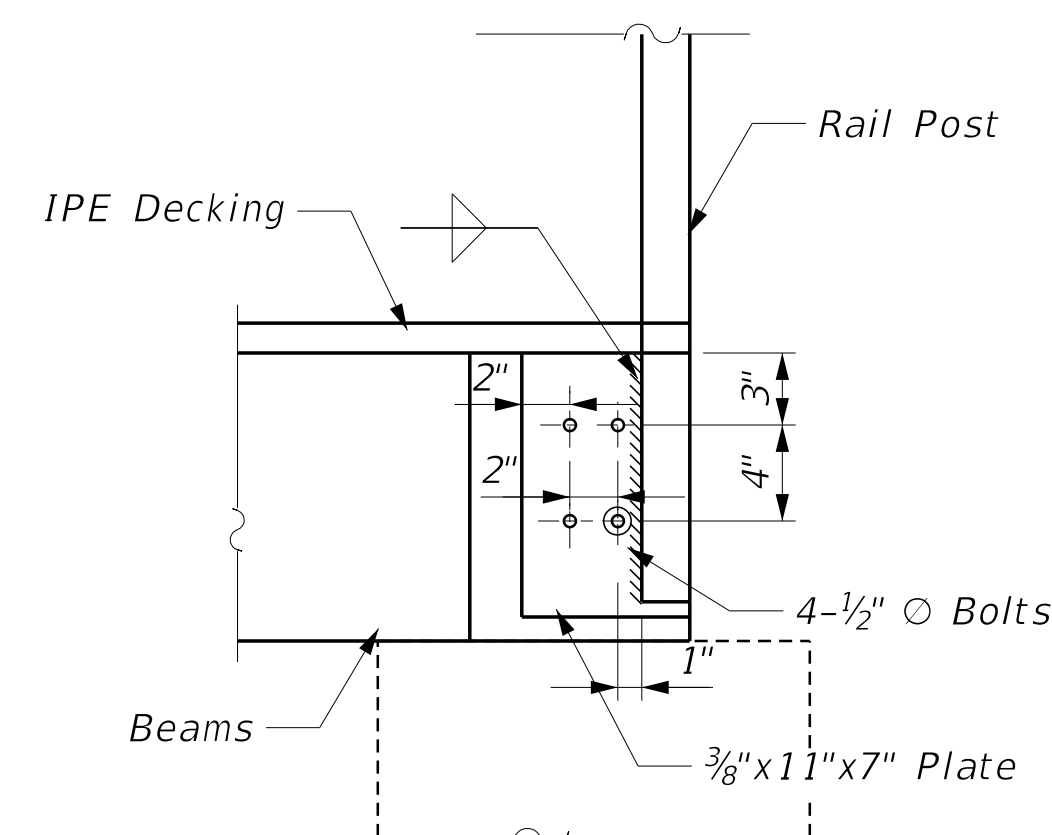
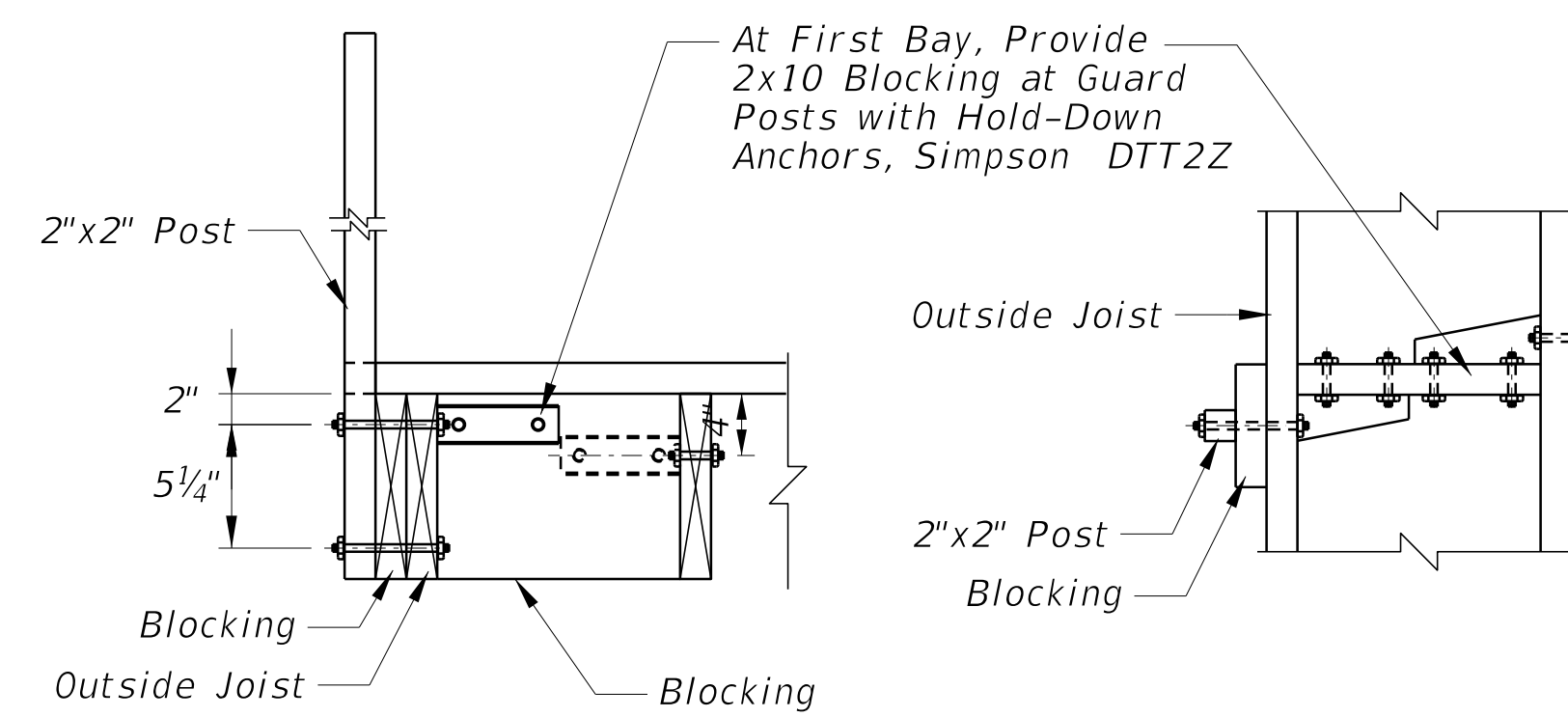
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Drawing Title

BLUFF STAIRCASE STRUCTURAL DETAILS (1 OF 2)

Sheet No.

C346

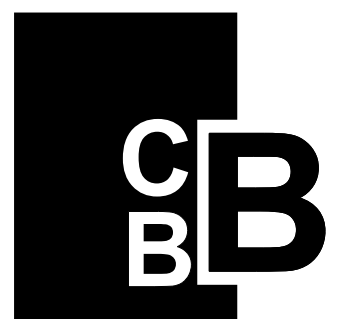


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Project Title:

Site Improvements
Elder Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

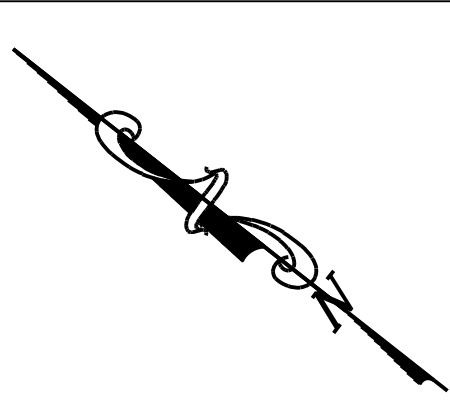
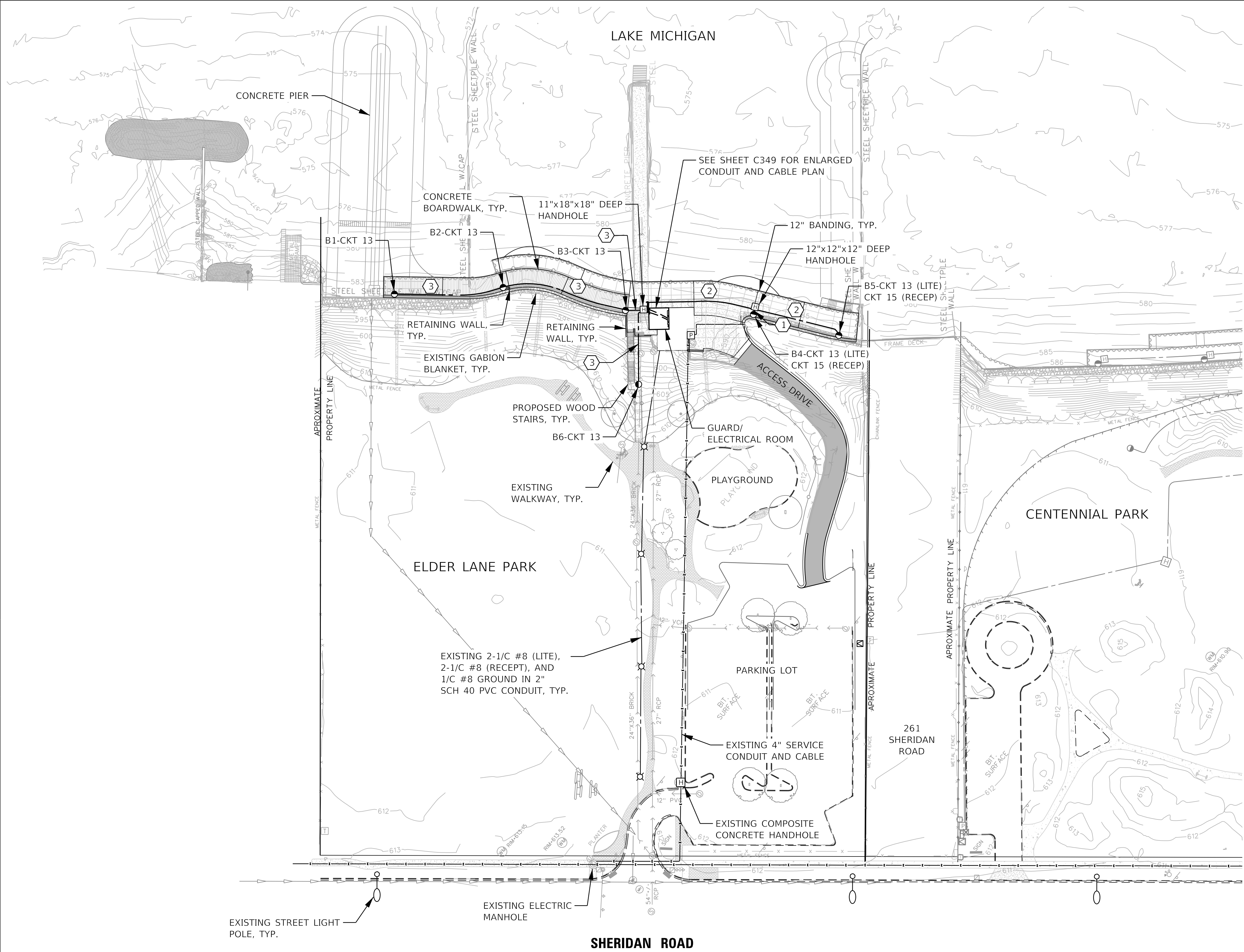
Graphic Scale

Scale

Drawing Title

BLUFF STAIRCASE STRUCTURAL DETAILS (2 OF 2)

Sheet No. **C347**



- LIGHTING LEGEND**
- PROPOSED BOLLARD
 - ORIENTATION OF LED LIGHT
 - PROPOSED CONDUIT AND CABLE (SEE PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE)
 - COMPOSITE CONCRETE HANDHOLE
 - EXISTING SERVICE CONDUIT
 - EXISTING CONDUIT AND CABLE
 - EXISTING UTILITY METER PEDESTAL

- NOTES:**
- SEE SHEET C351 FOR TYPICAL WIRING TO BOARDWALK BOLLARDS. HANDHOLES SHALL BE INSTALLED ADJACENT TO EACH BOLLARD FOR WIRING PURPOSES.
 - CONTRACTOR SHALL COORDINATE COMPOSITE CONCRETE HANDHOLES TO BE LOCATED WITHIN CONCRETE BANDING. ALL WORK SHALL BE COORDINATED WITH ARCHITECTURAL PLANS.

"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."



PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
1	ELECTRIC CABLE IN CONDUIT, 600V, 4-1/C #8 (RECEP), 4-1/C #10 (LITE) & 1/C #8 GROUND, (XLP-TYPE USE), IN UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.
2	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #8 (RECEP), 2-1/C #10 (LITE) & 1/C #8 GROUND, (XLP-TYPE USE), IN UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.
3	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #10, 1/C #10 GROUND, (XLP-TYPE USE), IN UNDERGROUND CONDUIT, PVC, 3/4" DIA.
4	UNDERGROUND CONDUIT, PVC, 1" DIA. (SPARE) WITH PULL ROPE
5	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #8 (RECEP), 2-1/C #10 (LITE) & 1/C #8 GROUND, (XLP-TYPE USE), IN EMT CONDUIT, 1 1/4" DIA.
6	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #10, 1/C #10 GROUND, (XLP-TYPE USE), IN EMT CONDUIT, 3/4" DIA.
7	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #8 (RECEP), 8-1/C #10 (LITE) & 1/C #8 GROUND, (XLP-TYPE USE), IN UNDERGROUND CONDUIT, RGS, 1 1/2" DIA.



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Consultants



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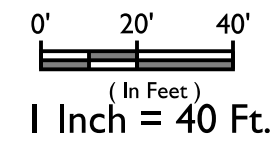
Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

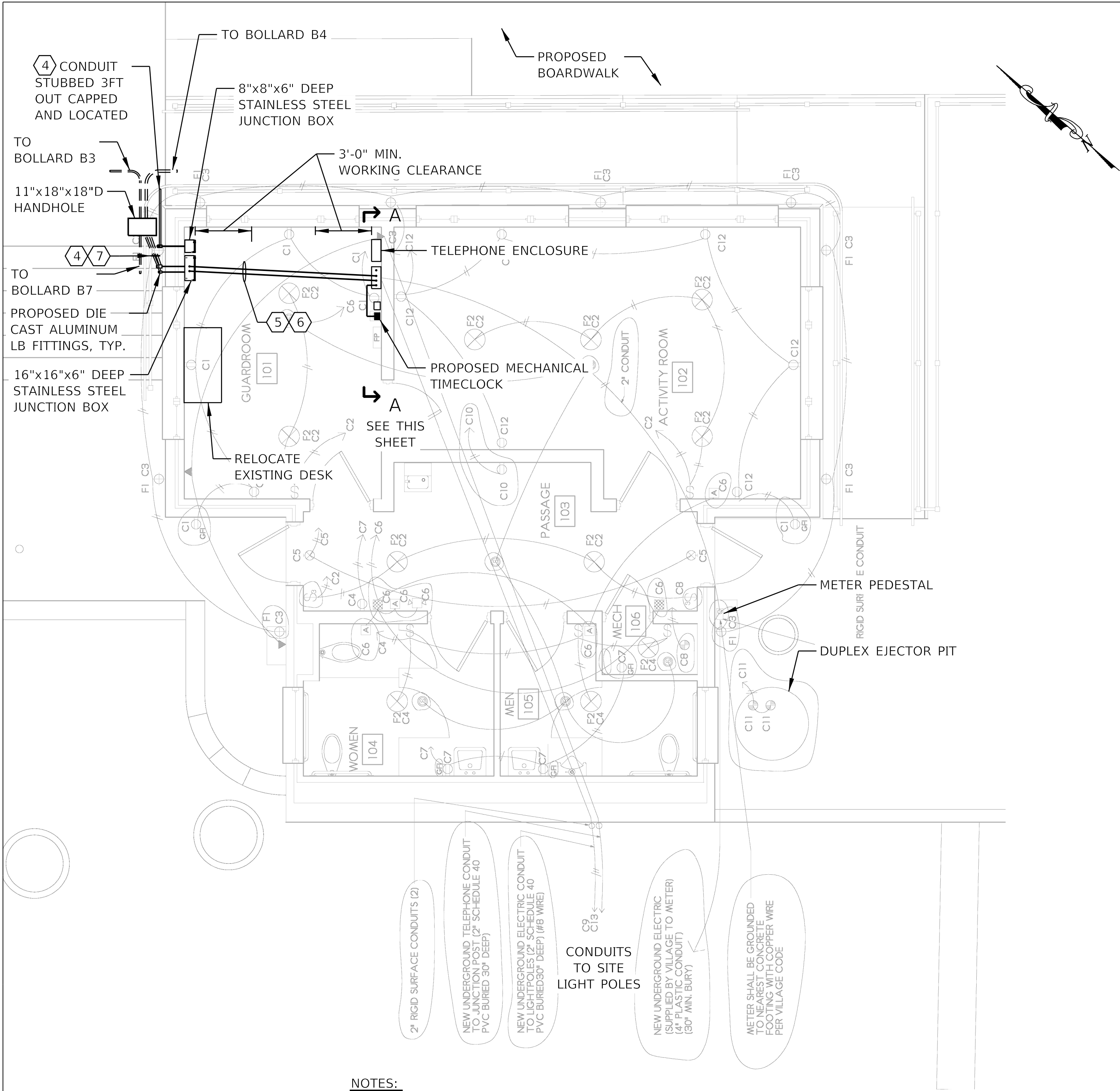


Scale
1 Inch = 40 Ft.

Drawing Title

Lighting and Electrical Plan

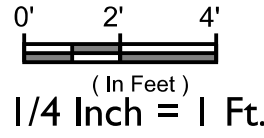
Sheet No.
C348



NOTES:

1. CONTRACTOR SHALL COORDINATE HANDHOLE LOCATION WITH CONCRETE SCORING (SEE ARCHITECTURAL SHEETS).

ENLARGED CONDUIT AND CABLE PLAN



PROPOSED LIGHTING CABLE AND CONDUIT SCHEDULE	
①	ELECTRIC CABLE IN CONDUIT, 600V, 4-1/C #8 (RECEP), 4-1/C #10 (LITE) & 1/C #8 GROUND, (XLP-TYPE USE), IN UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.
②	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #8 (RECEP), 2-1/C #10 (LITE) & 1/C #8 GROUND, (XLP-TYPE USE), IN UNDERGROUND CONDUIT, PVC, 1 1/4" DIA.
③	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #10, 1/C #10 GROUND, (XLP-TYPE USE), IN UNDERGROUND CONDUIT, PVC, 3/4" DIA.
④	UNDERGROUND CONDUIT, PVC, 1" DIA. (SPARE) WITH PULL ROPE
⑤	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #8 (RECEP), 2-1/C #10 (LITE) & 1/C #8 GROUND, (XLP-TYPE USE), IN EMT CONDUIT, 1 1/4" DIA.
⑥	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #10, 1/C #10 GROUND, (XLP-TYPE USE), IN EMT CONDUIT, 3/4" DIA.
⑦	ELECTRIC CABLE IN CONDUIT, 600V, 2-1/C #8 (RECEP), 8-1/C #10 (LITE) & 1/C #8 GROUND, (XLP-TYPE USE), IN UNDERGROUND CONDUIT, RGS, 1 1/2" DIA.

"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."

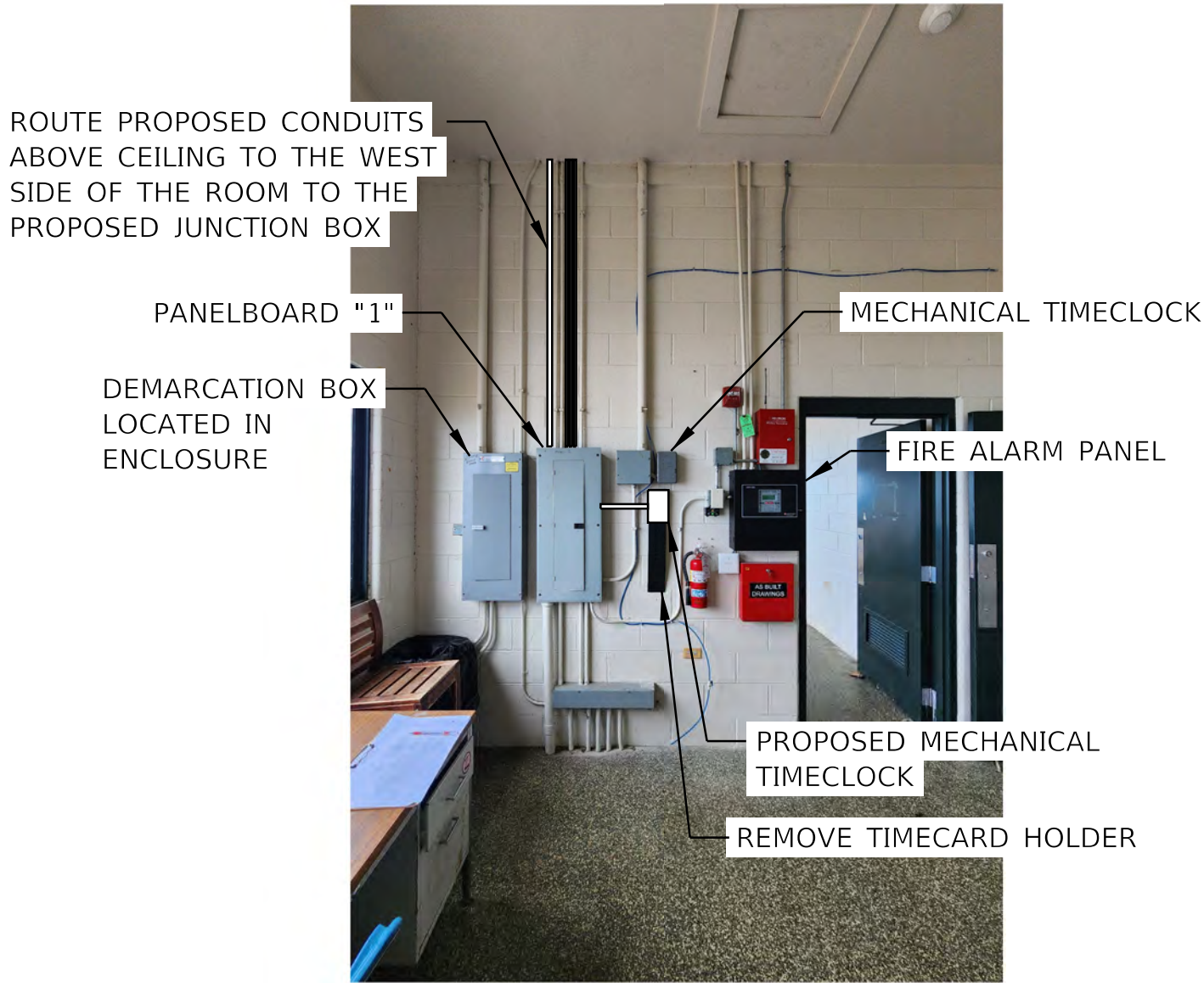


FED FROM: Meter Pedestal		TOT. 'A' PHASE	6544	VA					
BUS SIZE: 200 AMP		TOT. 'B' PHASE	5512	VA					
MAINS: M.L.O									
MOUNTING: SURFACE									
A.I.C. RATING 10,000		TOTAL 'A' 'B' 'C'	12056	VA					
GROUND BUS YES									
VOLTAGE: 240 Y/120V, 3 PH, 4W		TOTAL AMPS:	50.2	A					
CKT NO.	CB/POLES	DESCRIPTION	A PH VA	B PH VA	A PH VA	B PH VA	DESCRIPTION	CB/POLES	CKT NO.
1	20A-1P	RECEPTACLES	1080		704		INTERIOR LITES	20A-1P	2
3	20A-1P	RECEPTACLES		720		720	POLE RECEPTACLE	20A-1P	4
5	20A-1P	RECEPTACLES	1080		10		TIME CLOCK	20A-1P	6
7	30A-1P	EJECTOR PUMP		2800		500	OUTSIDE WALL PACKS	20A-1P	8
9	20A-1P	WATER HEATER	1500		100		EXIT/EM FIXTURES	20A-1P	10
11	20A-1P	EXTERIOR LIGHTING		400		180	VENDING RECEPTACLE	20A-1P	12
13	20A-1P	IN USE			150		FIRE ALARM PANEL	20A-1P	14
15	20A-1P	BOLLARDS		192					16
17	20A-1P	BOLLARD RECEPTACLES	1920						18
19									20
21									22
23									24
25									26
27									28
29									30
TOTALS:			5580	4112	964	1400			

NOTES:

1. EXISTING LOADS ARE SHOWN GREY, AND PROPOSED LOADS ARE SHOWN BOLD.

2. EXISTING LOADS ARE ASSUMED AND FOR REFERENCE PURPOSES ONLY.



SECTION A-A
N.T.S.



LOOKING AT NORTH
EXTERIOR BUILDING WALL
N.T.S.



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Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

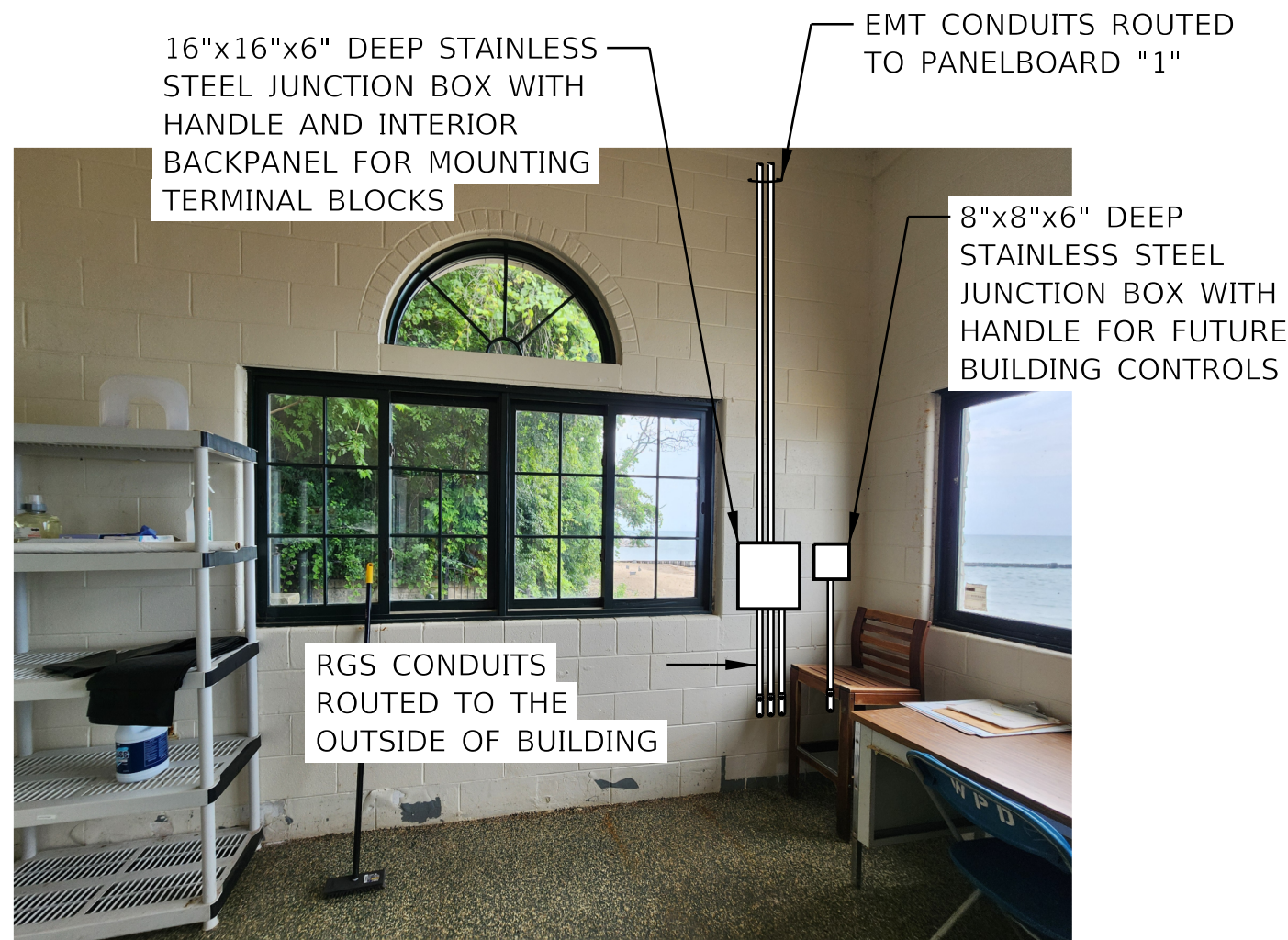
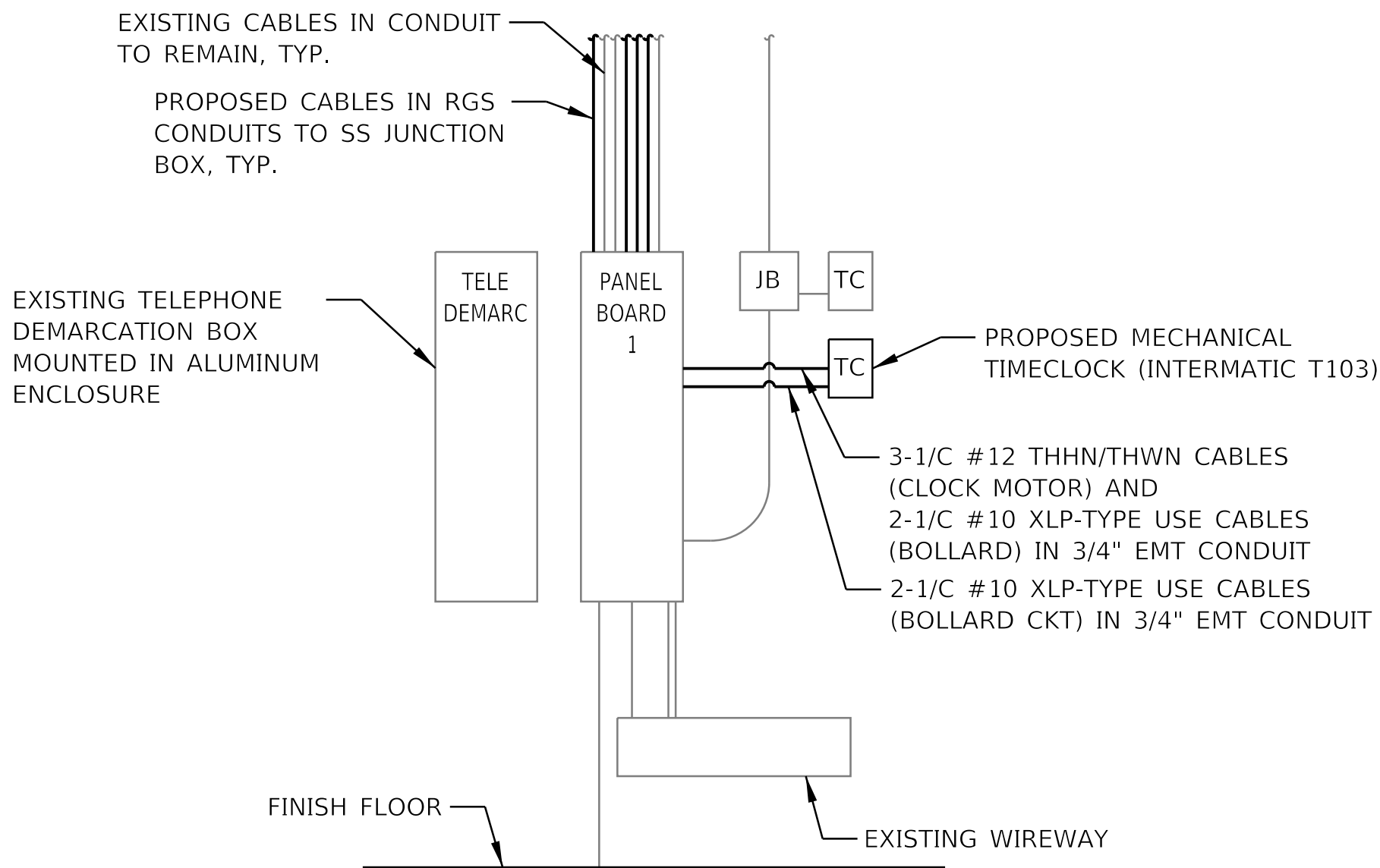
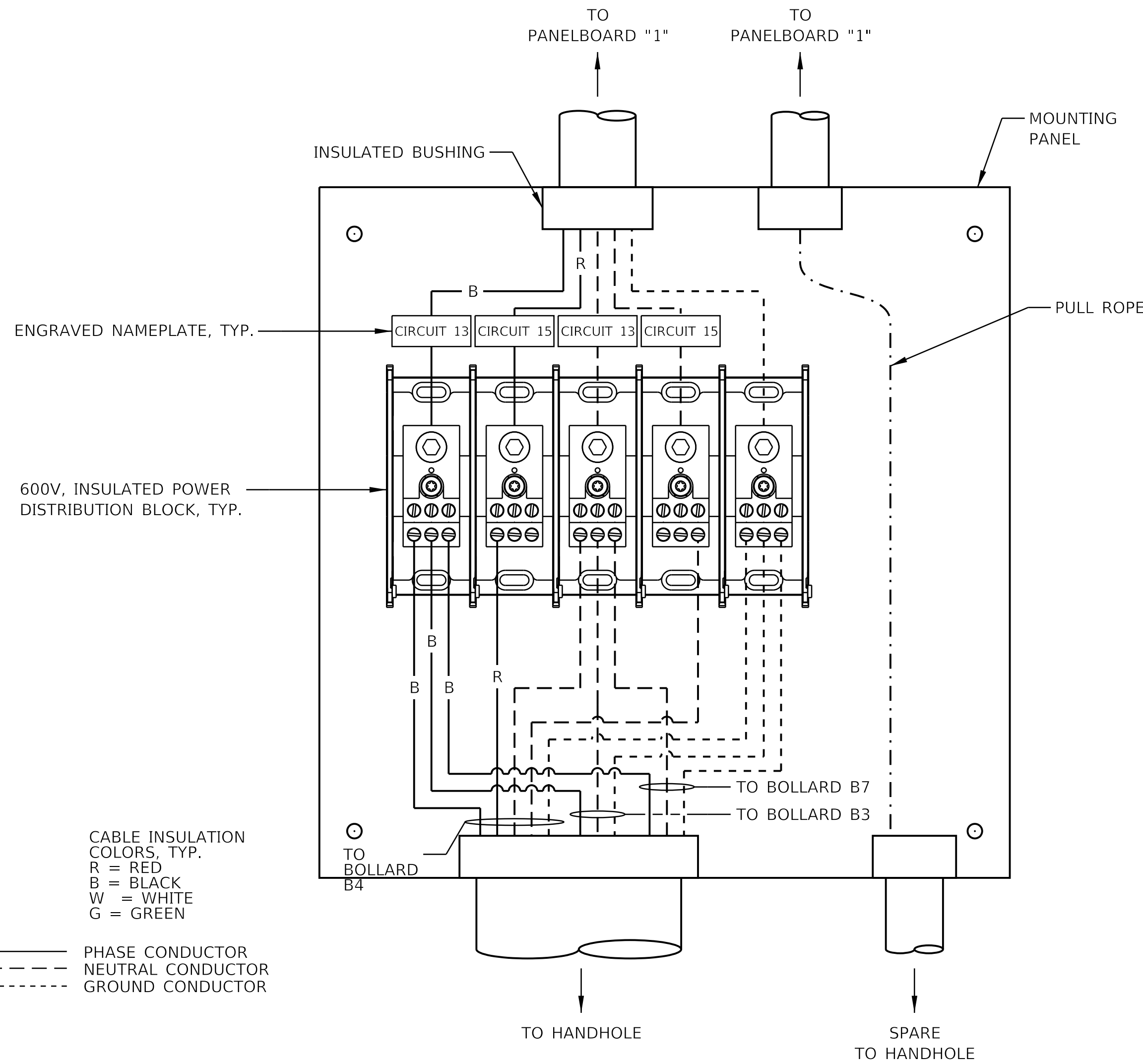
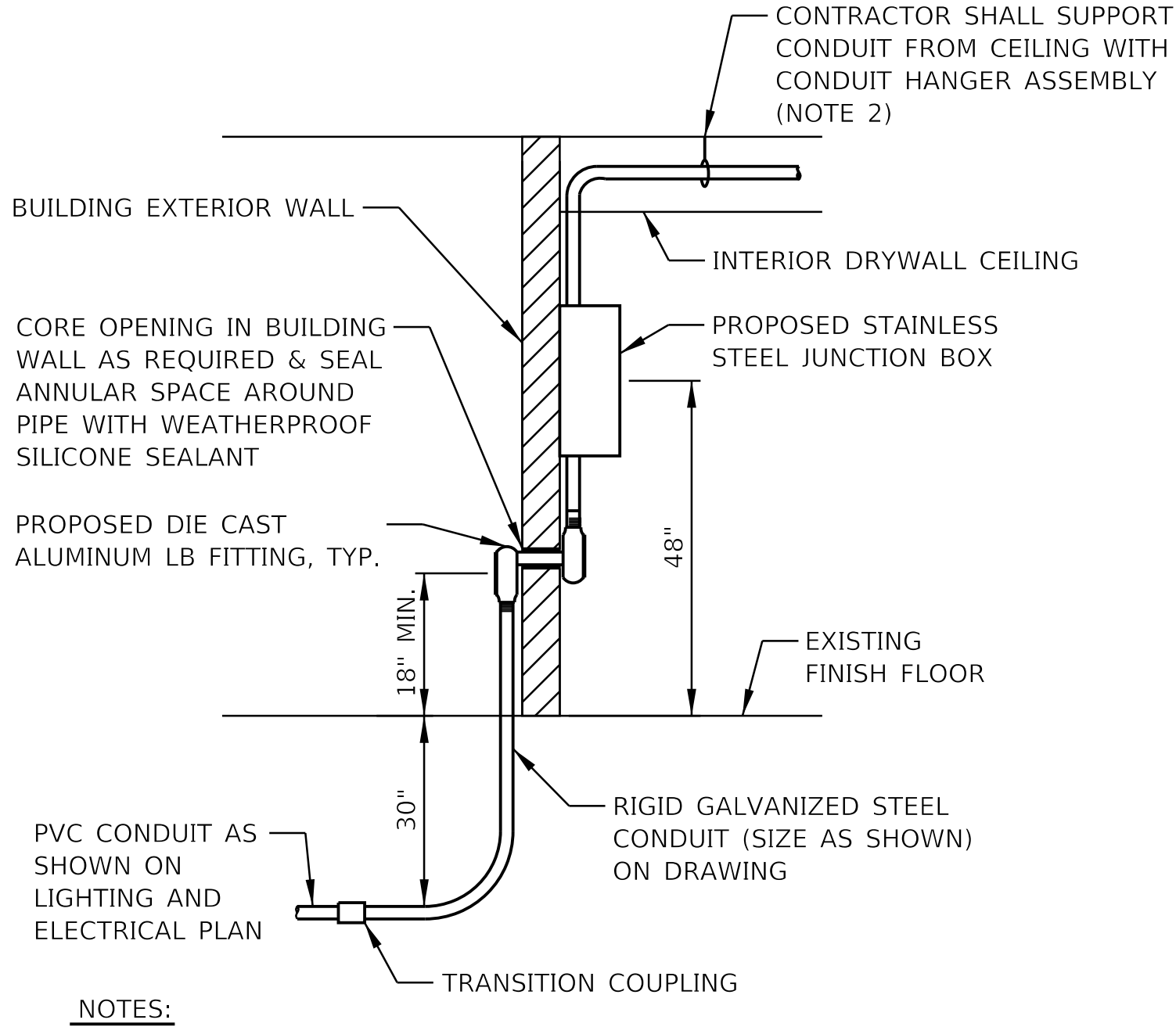
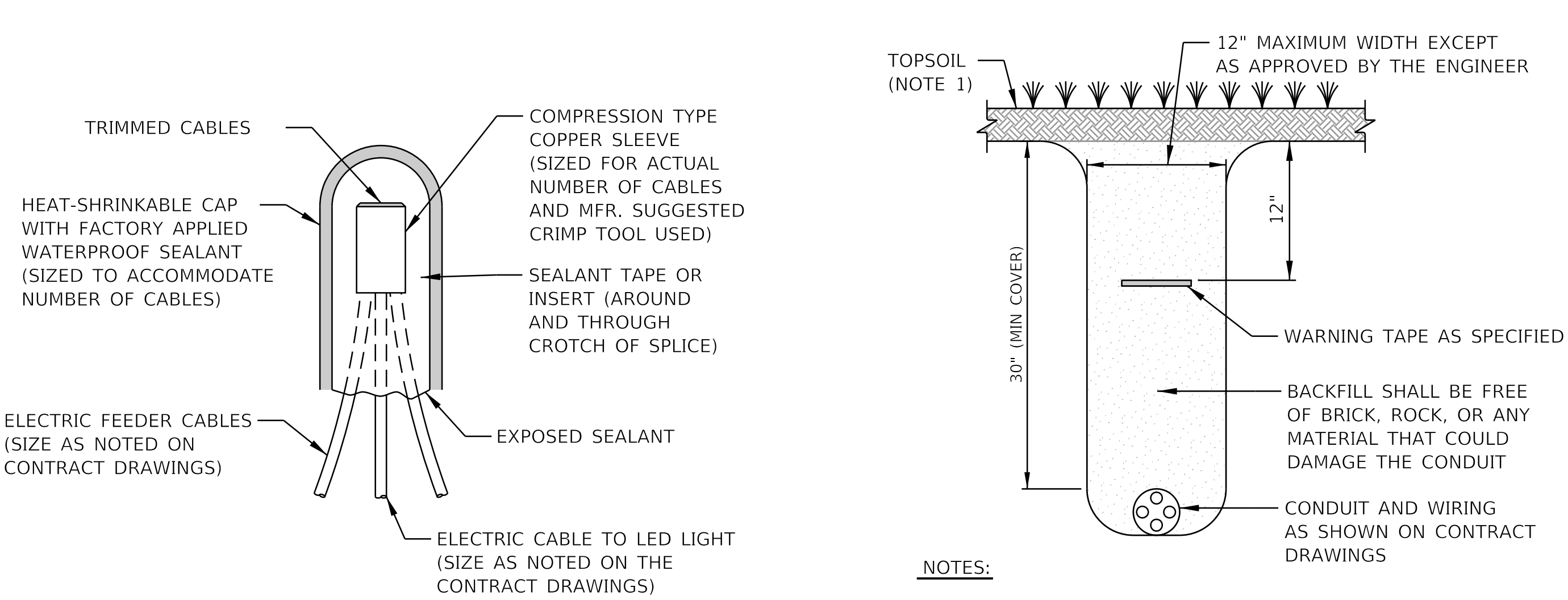
Graphic Scale

Scale AS SHOWN

Drawing Title

Lighting and Electrical Details

Sheet No. C349



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Winnetka, IL

Graphic Scale

Scale N.T.S.

Drawing Title

Lighting and Electrical Details

Sheet No. C350



LEGEND

- Ordinary High Water Mark (OHW)
- 50' Setback Line from OHW
- Existing Tree to Remain
- Existing Tree to be Removed
- Tree Protection Fencing, typ.

TREE REMOVAL LIST

Tree Removals - Elder Beach						
#	Caliper	Comm on Name	Species	Condition	Notes	
853	28	Silver Maple	Acer saccharinum	5	damaged leader, multiple leaders, decay, suckering, trunk scar, broken limbs, dieback, 4" crack at base on NW side. old co-leader removed at 3' on S. side REMOVE Forked at 4' w ith a 19" co-leader.	
854	14 FH	Tartarian Honeysuc	Lonicera tartarica	3	slight lean, trunk scar, minor deadw ood, suckering.	
861	1	Redbud	Cercis canadensis	2	staked and fenced	
910	8	Silver Maple	Acer saccharum	3	over-topped, sw eep, one-sided, damaged leader, minor deadw ood. Forked at 1.5' w ith a 4" co-leader.	
912	10.5	Norway Maple	Acer platanoides	3	trunk scar, tw ist in trunk, over-topped, erosion, trunk decay.	
925	12.5	Mulberry	Morus spp.	3	tw ist in trunk, slight sw eep, vine infested. Vetrw ood. Forked at base w ith 8.25", 6.25", 6.25" co-leaders.	
926	8.25	American Elm	Ulmus americana	6	tw ist in trunk, thin crow n. Dutch elm disease.	
927	9.25	Norway Maple	Acer platanoides	3	multiple leaders, tw ist in trunk, vine infested, minor deadw ood.	
928	9	Norway Maple	Acer platanoides	2	over-topped, tw ist in trunk, tag missing	
929	7.75	Norway Maple	Acer platanoides	2	one-sided, over-topped, surface roots	
930	8	Norway Maple	Acer platanoides	3	over-topped, one-sided, minor deadw ood	
931	34	Norway Maple	Acer platanoides	3	w eak crotch, multiple leaders, trunk scar, surface roots, erosion, broken limbs	
933	7.25	Norway Maple	Acer platanoides	3	tw ist in trunk, trunk scar, vine infested, surface roots, erosion	
936	23	Norway Maple	Acer platanoides	3	w eak crotch, double leader, erosion	
937	9	Norway Maple	Acer platanoides	3	one-sided, over-topped, trunk scar	
938	23	Boxelder Maple	Acer negundo	4	dieback, suckering, w eak crotch, slight lean, surface roots, trunk decay, fungal fruiting bodies present.	
939	14	American Elm	Ulmus americana	6	over-topped, slight sw eep. Dutch elm disease.	
940	13.5	Norway Maple	Acer platanoides	2	one-sided, over-topped, tw ist in trunk	
942	15	Mulberry	Morus spp.	3	over-topped, tw ist in trunk, multiple leaders.	
943	13	American Elm	Ulmus americana	6	Dutch elm disease, snapped 5.5', lying in crow n of #944, #945	
947	8	Boxelder Maple	Acer negundo	3	over-topped, sw eep, one-sided, vine infested. #943 is lying	
948	10	American Elm	Ulmus americana	6	Dutch elm disease. Dead. Forked at 5' w ith a 5" co-leader. snapped off	
949	8.75	Black Cherry	Prunus serotina	3	over-topped, slight sw eep, one-sided, vine infested. Forked at base w ith a 4" co-leader.	
954	12	Green Ash	Fraxinus pennsylvanica	6	vine infested. Dead. snapped off at base and moved 1.5'. Tree is still upright	
955	13	Mulberry	Morus spp.	4	excessive lean, sw eep, suckering, vine infested, trunk scar, tw ist in trunk, damaged leader, broken limbs, dead leader. Forked at base w ith 10", 8" (cut off at 5') co-leaders.	
956	12.5	Norway Maple	Acer platanoides	3	vine infested, basal scar. tar leaf spot	
957	8	American Elm	Ulmus americana	6	vine infested	
960	7	Green Ash	Fraxinus pennsylvanica	6	Dead. snapped off and lying on the ground. Forked at base w ith 5", 2" co-leaders.	
962	9	American Elm	Ulmus americana	6	Dead. snapped off and lying on the ground. Forked at base w ith 5", 2" co-leaders.	
966	8.5	Black Locust	Robinia pseudoacacia	3	thin crow n, minor deadw ood, one-sided, w eak crotch	
970	9.5	Black Locust	Robinia pseudoacacia	3	one-sided, w eak crotch, minor deadw ood, vine infested.	
971	8	American Elm	Ulmus americana	6	w eak crotch, over-topped. On top of wall. Dead. Forked at	

	Total Quantity of Trees	Total Caliper Inches
Trees to be Removed	32	251
Dead Trees to be Removed	10	113.25
Dead trees are not factored into the total number of replacement trees.		

	Total Quantity of Trees	Total Caliper Inches
Required Replacement Trees (3" caliper)	28	84
New Trees Provided (To be Confirmed)	7	28

TREE REMOVAL NOTES

- Any existing tree surveys or locations for these plans were prepared by the surveyor or a certified arborist. Full tree inventory survey will be provided upon request.
- Contractor is to familiarize themselves with the restoration plan areas. All tree removals including understory tree removals within restoration areas shall be tagged or identified and confirmed by the contractor with the owner and owner's representative.
- For tree removals in restoration areas, cut off flush with finished grade and leave roots in place so as not to disturb slope.
- For tree removals outside of restoration areas, grind out stumps to a minimum of 18" depth and remove all roots prior to installation of proposed materials. Bring to finish grade with soil fill per specifications.
- Keep all areas clean, neat, and orderly at all times. Legally dispose of all materials removed from the site per local codes and regulations.
- Contractor shall limit all work and disturbance to within designated project areas. It shall be the responsibility of the contractor to restore to the original condition any damage or disturbance outside these limits.
- Streets, sidewalks, and adjacent property shall be protected throughout the work as required by local codes and regulations and as approved by the Village.
- Protect structures, utilities, sidewalks, pavements, fencing, furnishings, trees, and landscaping from damage caused by settlement, lateral movement, undermining, washouts, and other hazards created by site improvements. If any damage occurs, contractor shall repair to original condition at no additional cost.



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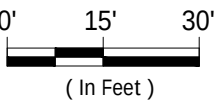
Project Title:

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Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



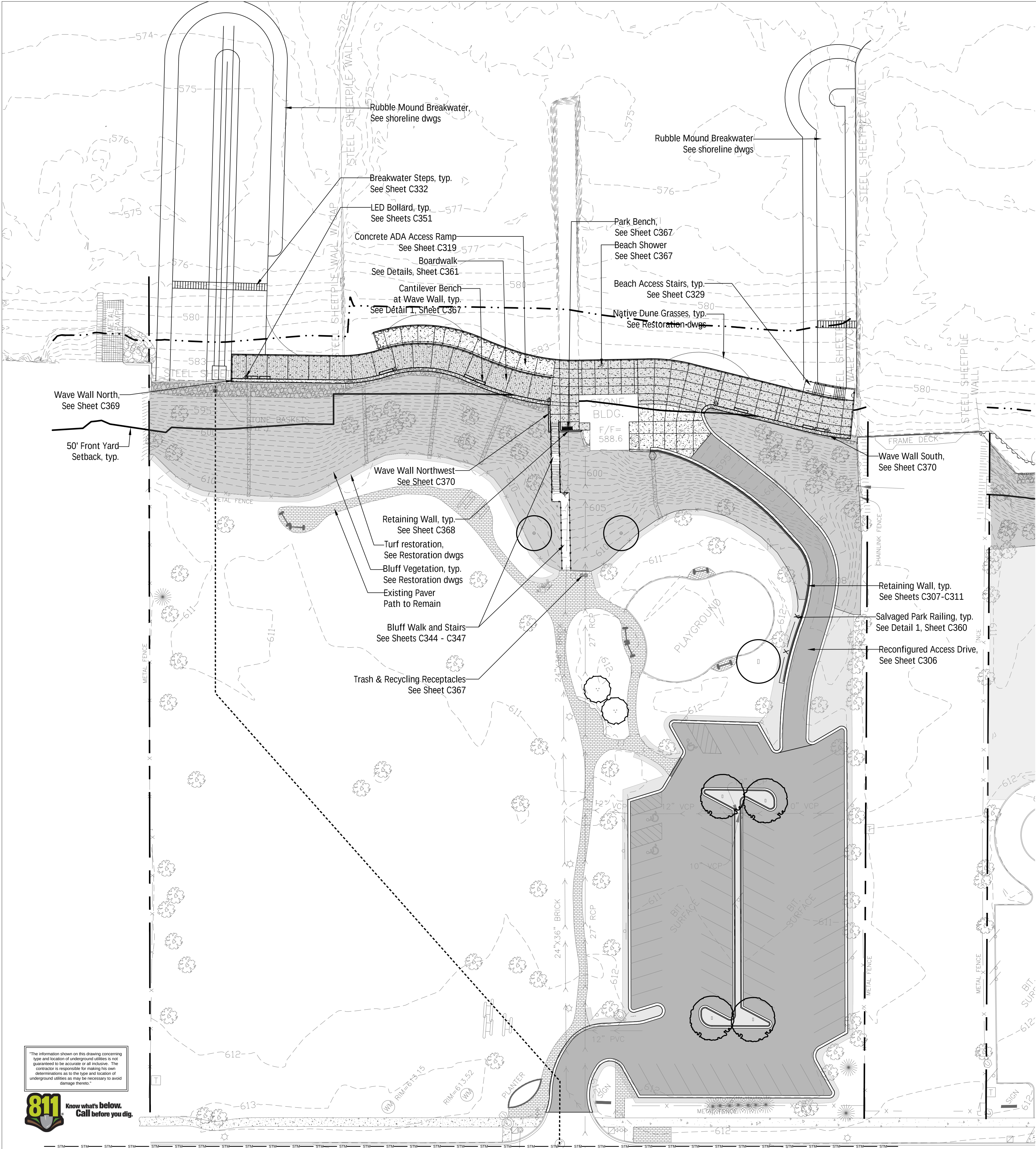
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Drawing Title

TREE PRESERVATION PLAN

Sheet No.

C352



LEGEND

- Ordinary High Water Mark (OHW)
- 50' Setback Line from OHW
- Concrete Walks, typ.
- Asphalt Drive
See Details, Sheet C306
- Boardwalk, typ.
See Details, Sheet C361
- Bluff Restoration, typ.
See Restoration Plans
- Turf Restoration, typ.
See Restoration Plans
- Proposed Shade Tree
See Details 1 and 3, Sheet C355
- Proposed Ornamental Tree
See Detail 4, Sheet C355
- Existing Trees to Remain
- Existing Bench to Remain
- Cantilevered Bench
- Park Bench
- Bollard, typ.
See Lighting and Electrical Plans
- Trash / Recycling Receptacles

GENERAL NOTES

- Contractor responsible for field layout of all new improvements. The Owner's Representative is to verify in field all layout and locations prior to installation and provide additional coordinates and dimensions as needed.
- Digital files of geometric information will be provided upon request in AutoCAD format by the landscape architect.
- Contact the Owner's Representative for resolution of discrepancies between existing conditions and dimensioned layout as shown in contract documents. No additional payment will be made for adjustments necessary to construct the work as drawn.
- Contractor to field verify site conditions and information on drawings. Contractor to promptly report any concealed conditions, mistakes, discrepancies or deviations from the information shown in the Contract Documents. The Owner is not responsible for unauthorized changes or extra work required to correct unreported discrepancies.
- Contractor responsible to maintain all layout stakes during construction. No additional payment will be made to replace layout stakes.
- Place stakes at edges of concrete and every 25 feet on center along centerline of all pathways for review by the Owner's Representative prior to earthwork operations.
- All curves and radii to be smooth and not segmented.
- Contractor to provide layout stakes every 10 feet minimum for large arcs where radius points are not accessible.
- Adjustment to stake locations due to discrepancies between coordinates and dimensions is incidental to the contract. No additional payments will be made for this work.
- Layout all surfacing, score joints, and paving patterns as identified in the plans. Do not deviate from the plans unless approval is obtained from the Owner's Representative.
- Layout of paving, site amenities, light fixtures, control box enclosure(s), and furnishings shall be verified in field by the Owner's Representative prior to placement.
- All surface drainage shall be diverted away from structures and noted site features. Where poor subsurface drainage conditions occur in the field, contractor shall notify the Owner's Representative immediately and make recommendations for solutions to drainage issues before proceeding with work.
- Landscape accent lighting as shown on these plans is for general location and intent only. The specified fixture and wattage shall be provided and installed on the desired feature per the electrical drawings and at the Owner's Representative's direction. Contractor shall field stake all accent lighting locations and obtain the Owner's Representative's approval before final installation. Please refer to electrical plans for conduit or low-voltage cable routing and power-source (timer, transformers, switch boxes, etc.).



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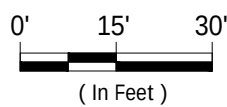
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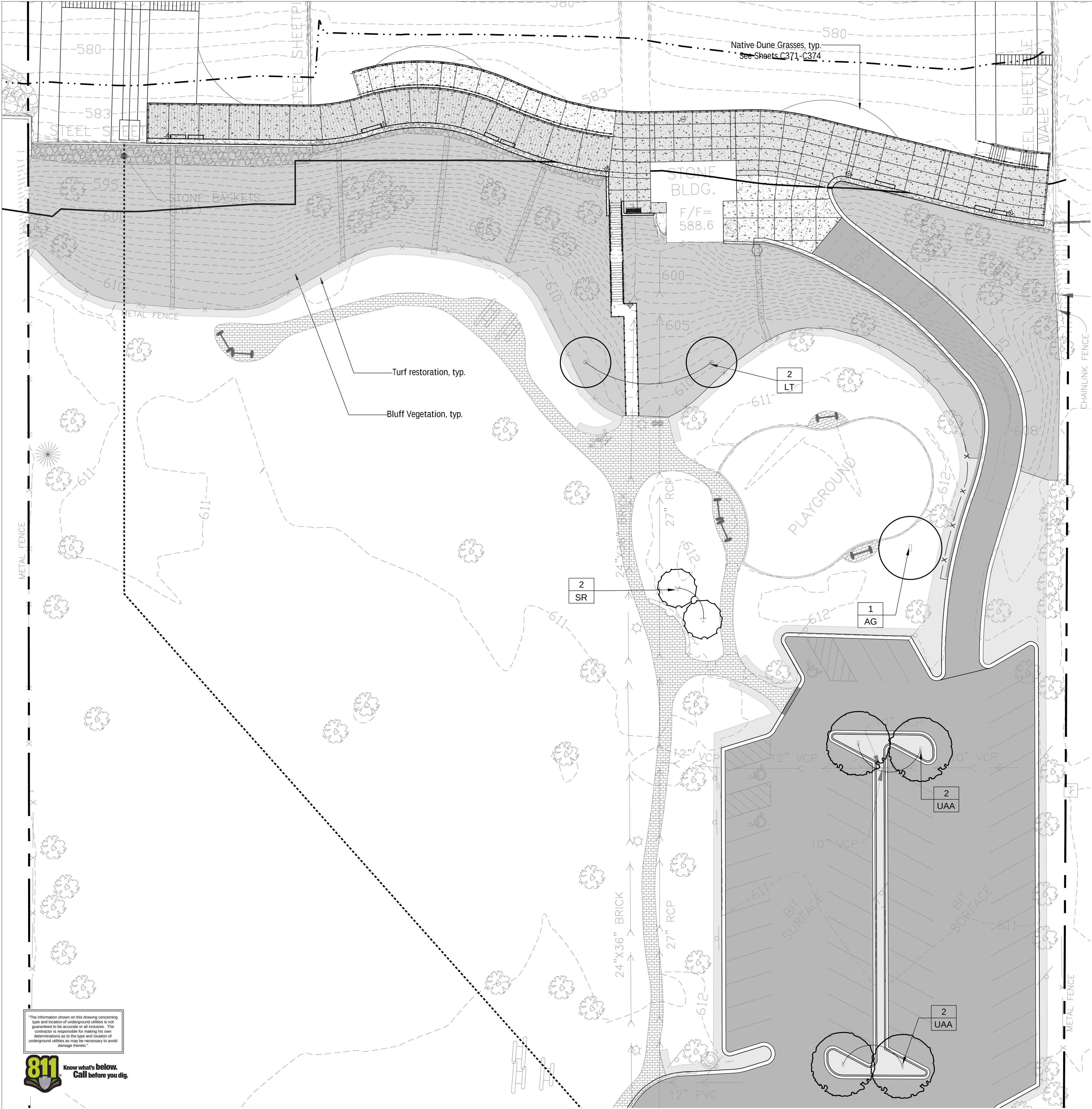
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Drawing Title

OVERALL SITE PLAN

Sheet No.

C353



LEGEND

- Ordinary High Water Mark (OHW)
- 50' Setback Line from OHW
- Concrete Walks, typ.
- Asphalt Drive, typ. See Details, Sheet C306
- Boardwalk, typ. See Details, Sheet C361
- Bluff Restoration, typ. See Sheets C371-C374
- Turf Restoration, typ. See Sheets C371-C374
- Proposed Shade Tree See Details 1 and 2, Sheet C355
- Proposed Ornamental Tree See Detail 4, Sheet C355
- Existing Trees to Remain
- Existing Bench to Remain
- Park Bench
- Bollard, typ. See Lighting and Electrical Plans
- Trash / Recycling Receptacles

TREE PLANTING SCHEDULE

SYMBOL	QTY	BOTANIC NAME	COMMON NAME	SIZE	SPACING
DECIDUOUS TREES					
AG 3	1	Aesculus glabra	Ohio Buckeye	3" caliper, B&B	As shown
LT 3	2	Liriodendron tulipifera	Tulip Tree	3" caliper, B&B	As shown
UAA 3	4	Ulmus 'Morton'	Accolade Elm	3" caliper, B&B	As shown
ORNAMENTAL TREES					
SR	2	Syringa reticulata 'Ivory Silk'	Japanese Tree Lilac	8' ht., B&B multi-stem	As shown

NOTES

- General Conditions
- Contractor shall familiarize themselves with all landscape specifications prior to commencement of work. Any questions or concerns shall be directed to the Owner's Representative in writing prior to landscape work commencement.
 - The landscape contractor shall keep all areas clean and orderly at all times.
 - The landscape contractor shall keep all roadways and walkways clear of mud and debris that result from landscape operations.
- Planting Standards
- All plant material shall be top-quality grade, free of defects, and meet accepted horticultural standards established by the american nurserymen's association (aan) and as deemed appropriate by landscape architect. Landscape architect shall have the right to reject any, and all, plant material delivered to the site that does not meet acceptable standards.
 - Sizes shown on plant schedule are minimum acceptable sizes.
 - All plants to be balled-in-burlap or container-grown as specified in plant schedule. All plastic root wrapping material and metal wire baskets shall be removed.
 - All new and transplanted plants to be sprayed with an antidesecant within twenty-four (24) hours after planting. Antitranspirant shall be "wiltpruf" or an approved equal.
 - Landscape architect shall field verify and approve all final staked tree locations prior to installation.
 - The landscape contractor shall repair to its original condition any plant material which becomes damaged as a result of landscape operations.
 - Landscape architect shall approve all trees for quality, condition and specified sizes. Trees shall be approved at nursery location, during tagging or before removal and transport to job site. See specifications for additional information regarding planting standards.
- Fertilizer & Mulching
- Prior to mulching tree planting areas, apply time-release fertilizer by broadcasting over entire planting areas. Rate is to manufacturer's recommendations. Fertilizer is to have no less than 10% available phosphoric acid, and 3-8% total nitrogen soluble potash.
 - All plantings shall receive a slow-release fertilizer with a ratio of 10/10/10.
 - All trees shall receive a minimum of 3" thick shredded hardwood mulch top-dressing.
 - See specifications for additional information regarding fertilizer and mulching.
- Maintenance & Warranties
- All plants shall be thoroughly watered in at time of planting and watered and maintained throughout construction until final acceptance by owner. Contractor shall water all plants immediately after planting. Flood plants twice during the first twenty-four (24) hours after planting.
 - Landscape contractor shall warranty all trees under this contract will be healthy and in flourishing condition of active growth one year from date of final acceptance.
 - See specifications for additional information regarding maintenance and warranties.



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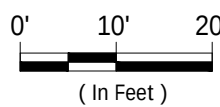
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Prepared For:

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Winnetka, IL

Graphic Scale



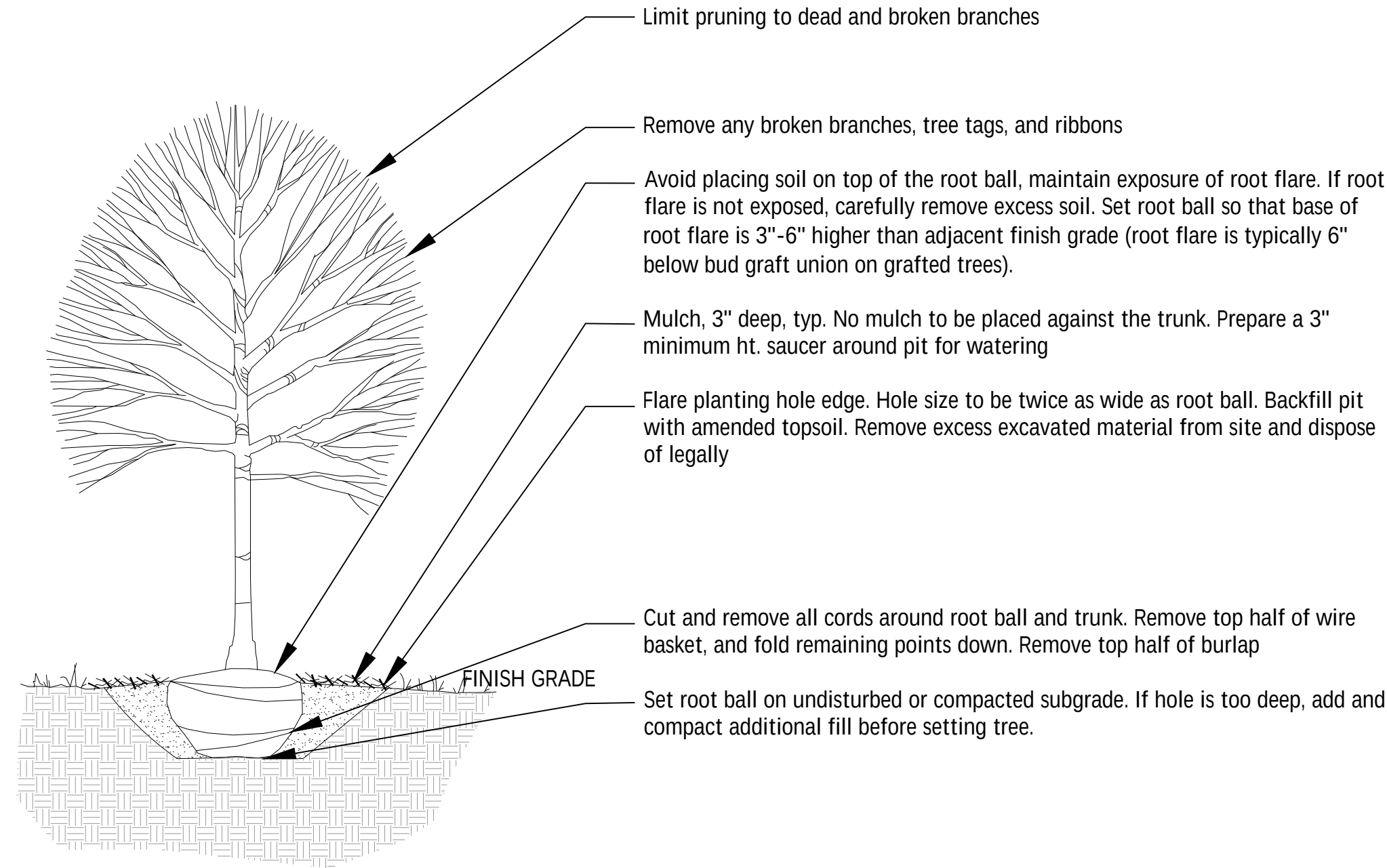
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Drawing Title

LANDSCAPE PLAN

Sheet No.

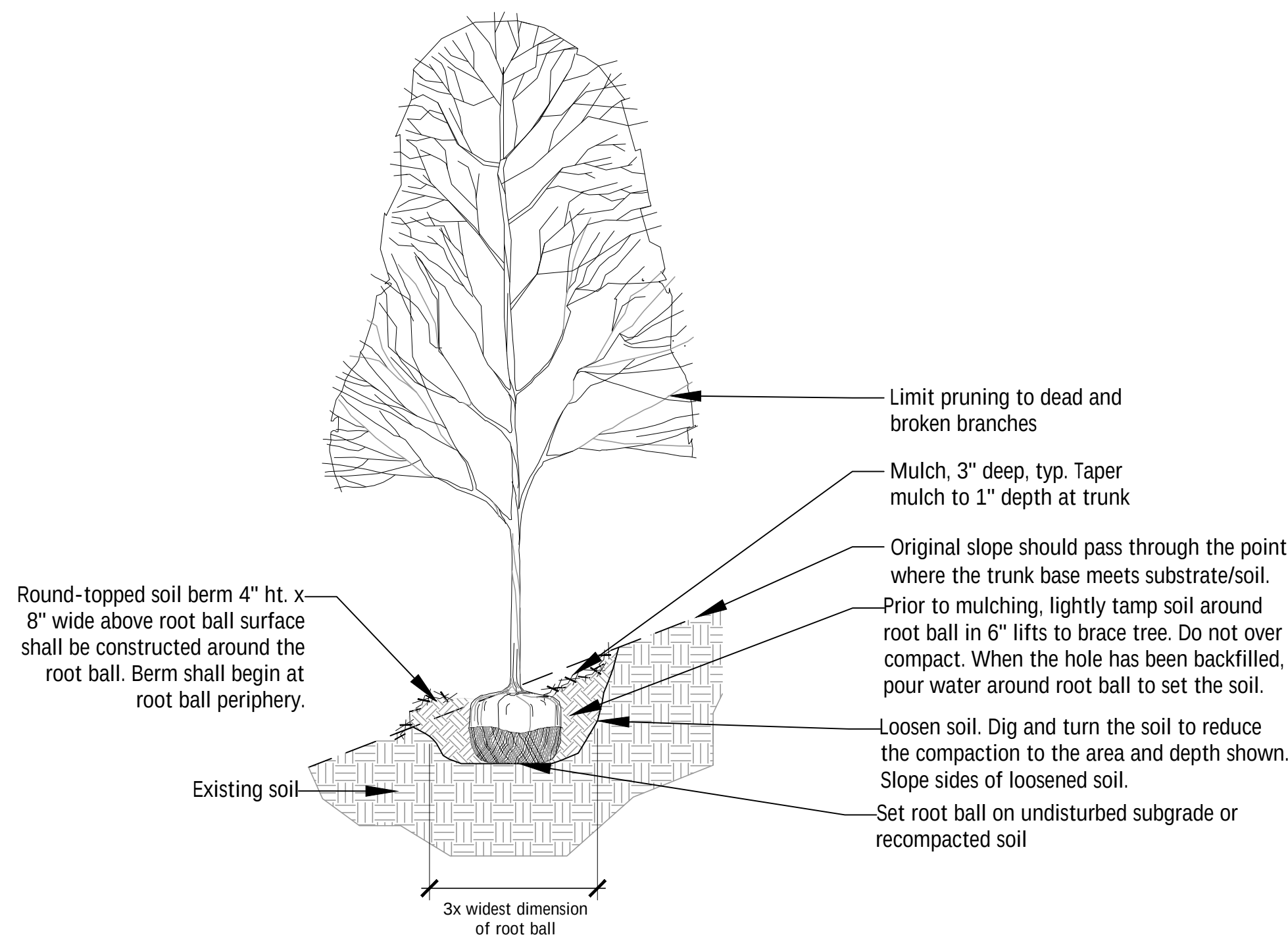
C354



1 Shade Tree Planting

Scale: 1/2" = 1'-0"

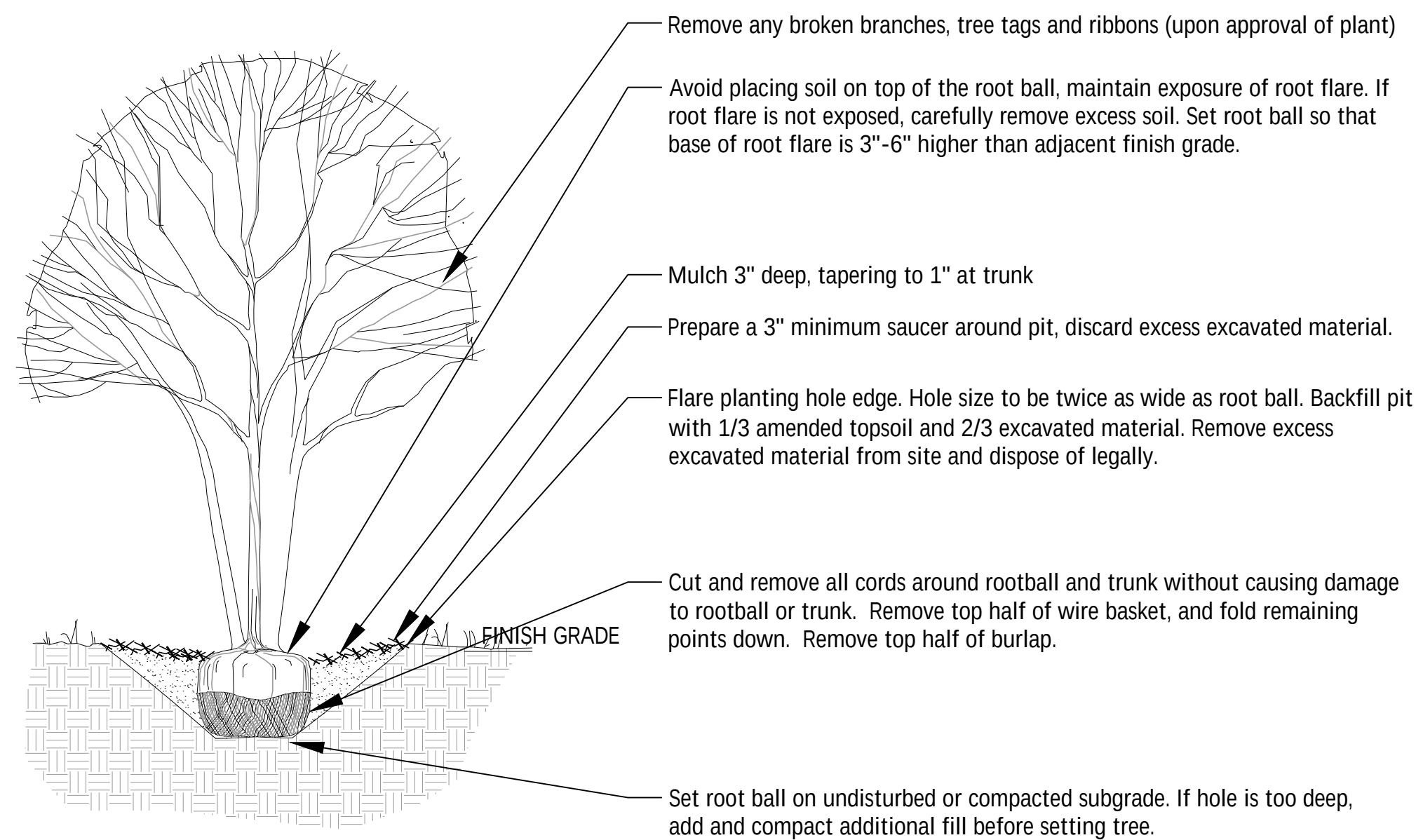
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2 Section - Shade Tree on Slope 5% (20:1) to 50% (2:1) Unmodified Soil

Scale: 1/2" = 1'-0"

d-plant-tree-orm_0.0417



3 Section - Plug Planting Detail at Bluff

Scale: 1/2" = 1'-0"

d-plant-bluff plug



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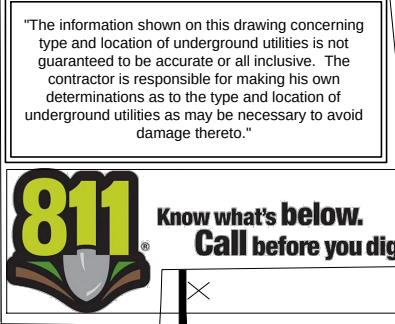
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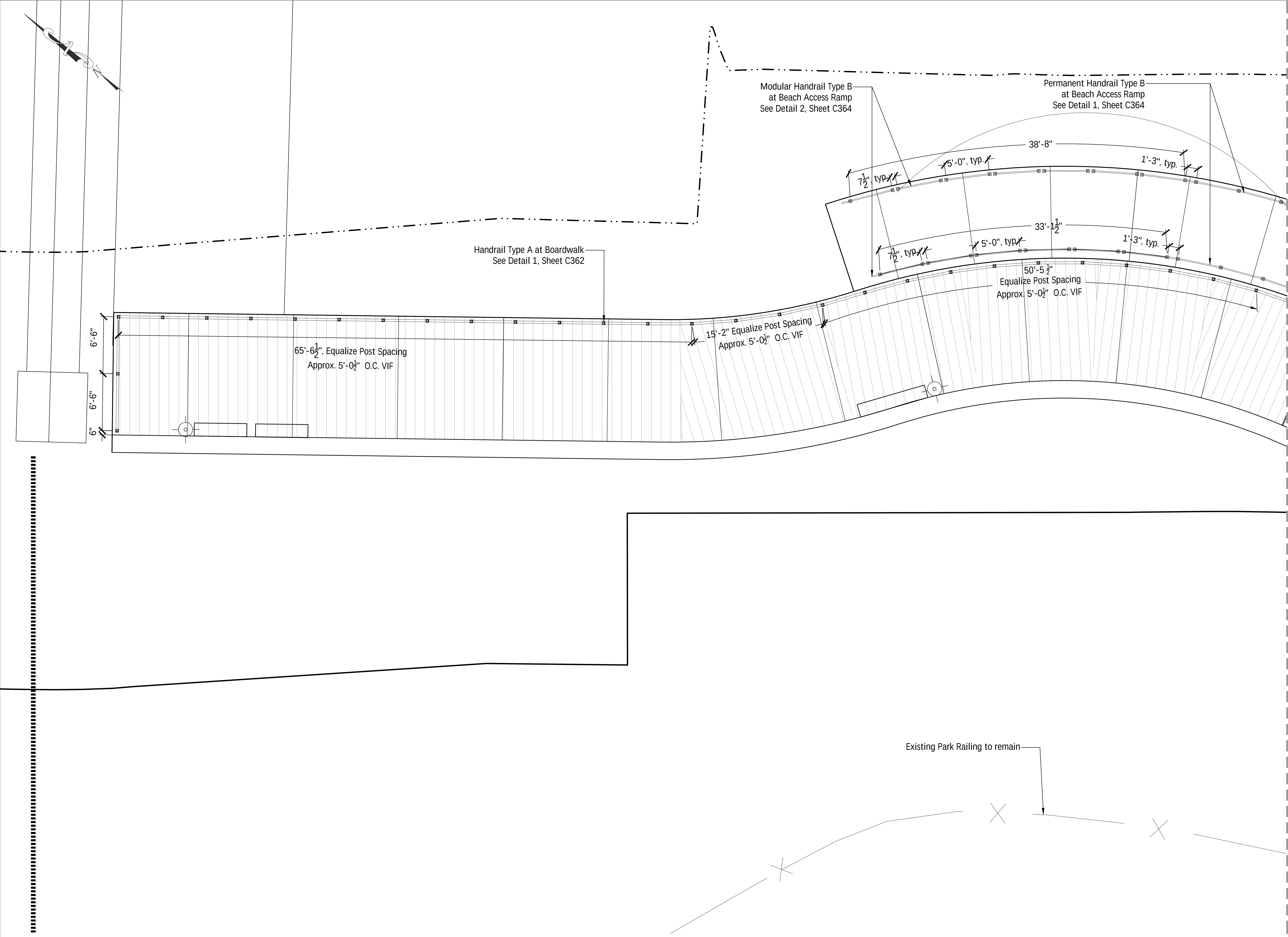
PLANTING DETAILS

Sheet No.

C355



C356



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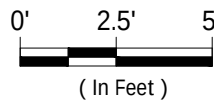
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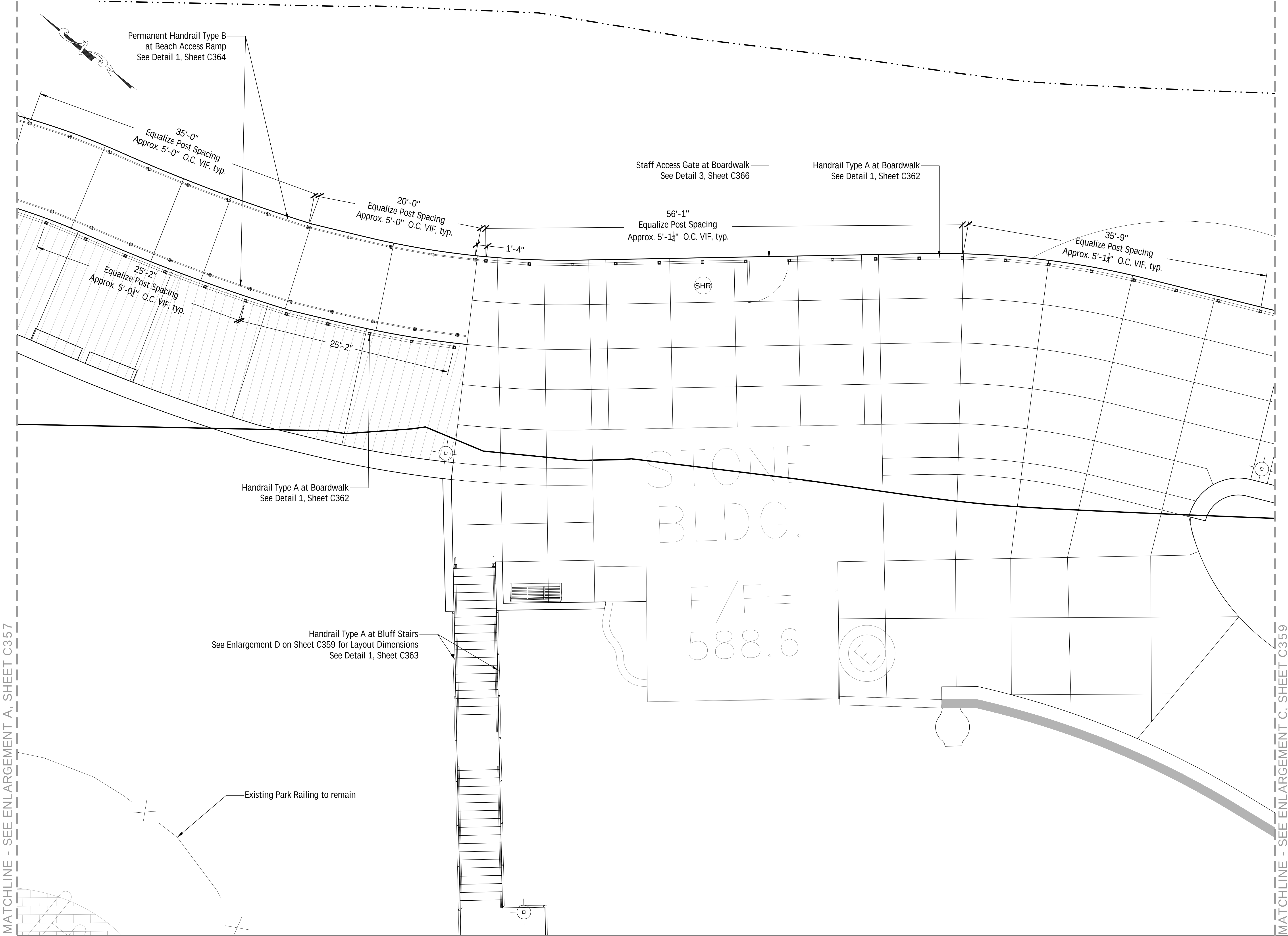
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Drawing Title

HANDRAIL AND FENCING
ENLARGEMENT PLAN A

Sheet No.

C357



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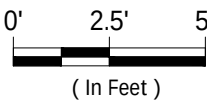
Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



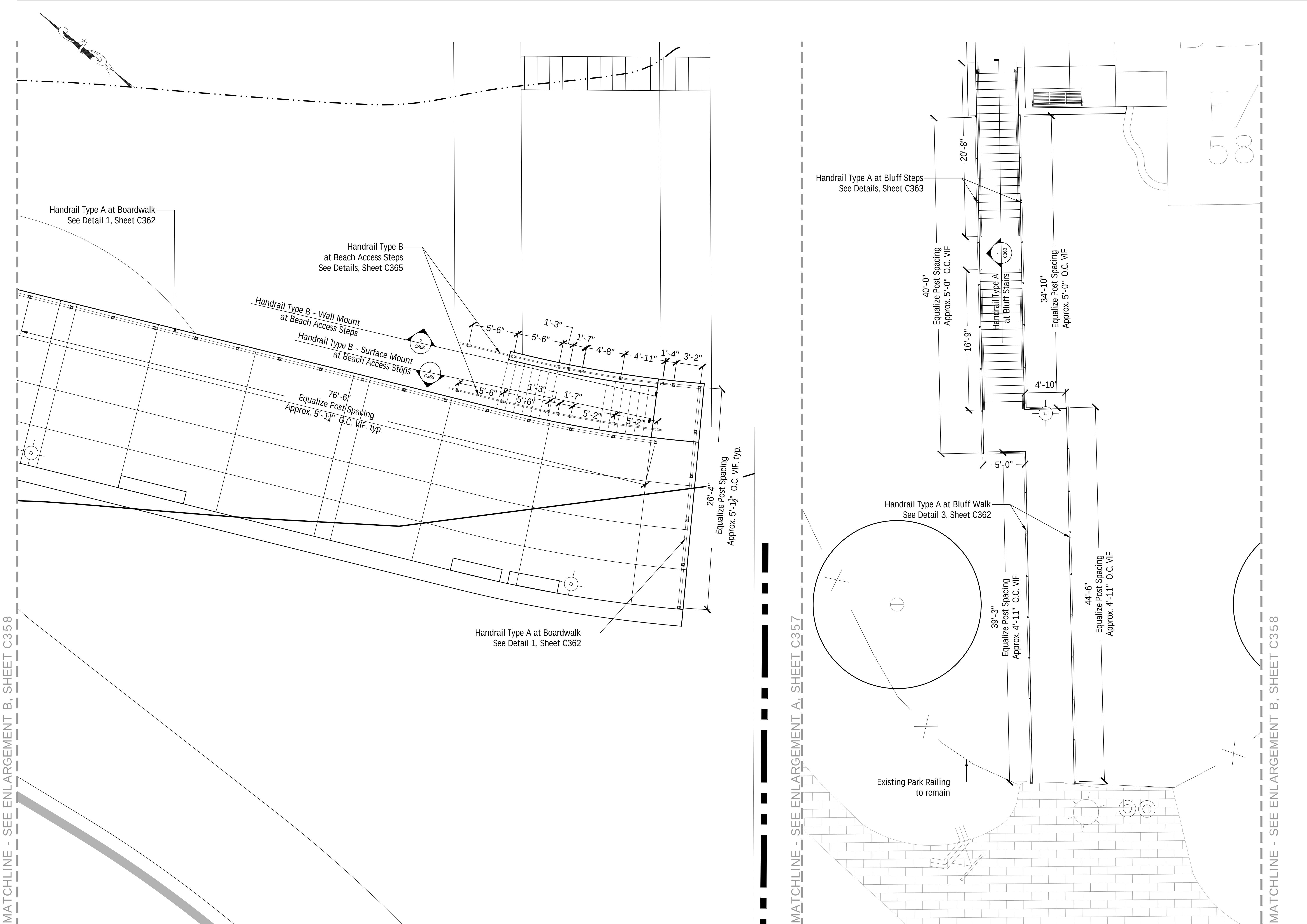
Scale 1 Inch = 5 Ft.

Drawing Title

HANDRAIL AND FENCING
ENLARGEMENT PLAN B

Sheet No.

C358



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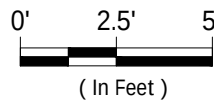
Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

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Winnetka, IL

Graphic Scale



Scale 1 Inch = 5 Ft.

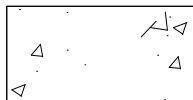
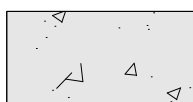
Drawing Title

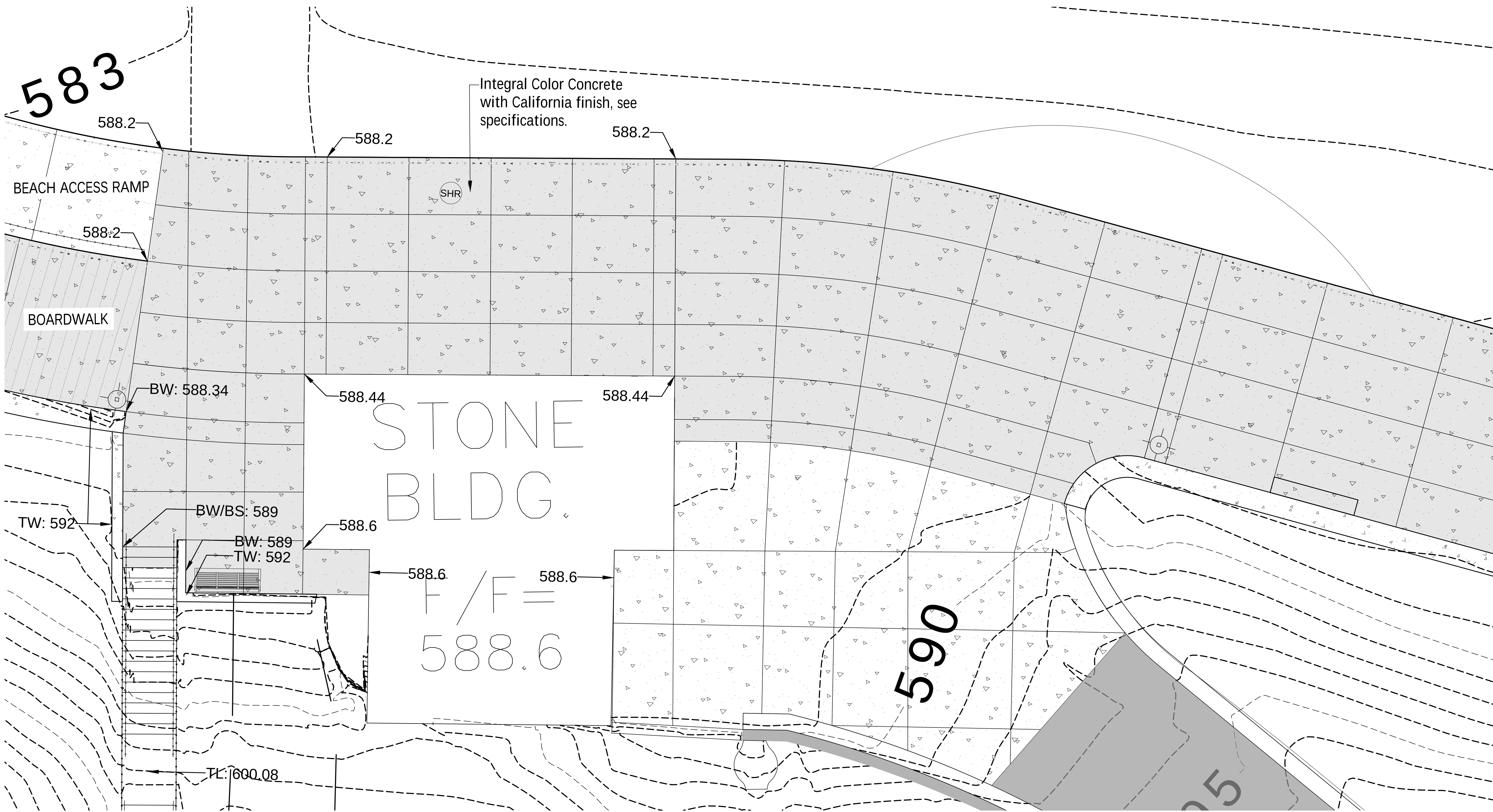
HANDRAIL AND FENCING
ENLARGEMENT PLANS C AND D

Sheet No.

C359

LEGEND

-  Concrete Walks, typ.
-  Asphalt Drive, typ.
See Details, Sheet C306
-  Boardwalk, typ.
See Details, Sheet C361
-  Integral colored concrete, typ.
(no wood stamp pattern or staining)



1

Enlarged Plan - Paving Pattern at Landing

Scale: 1" = 5'-0"



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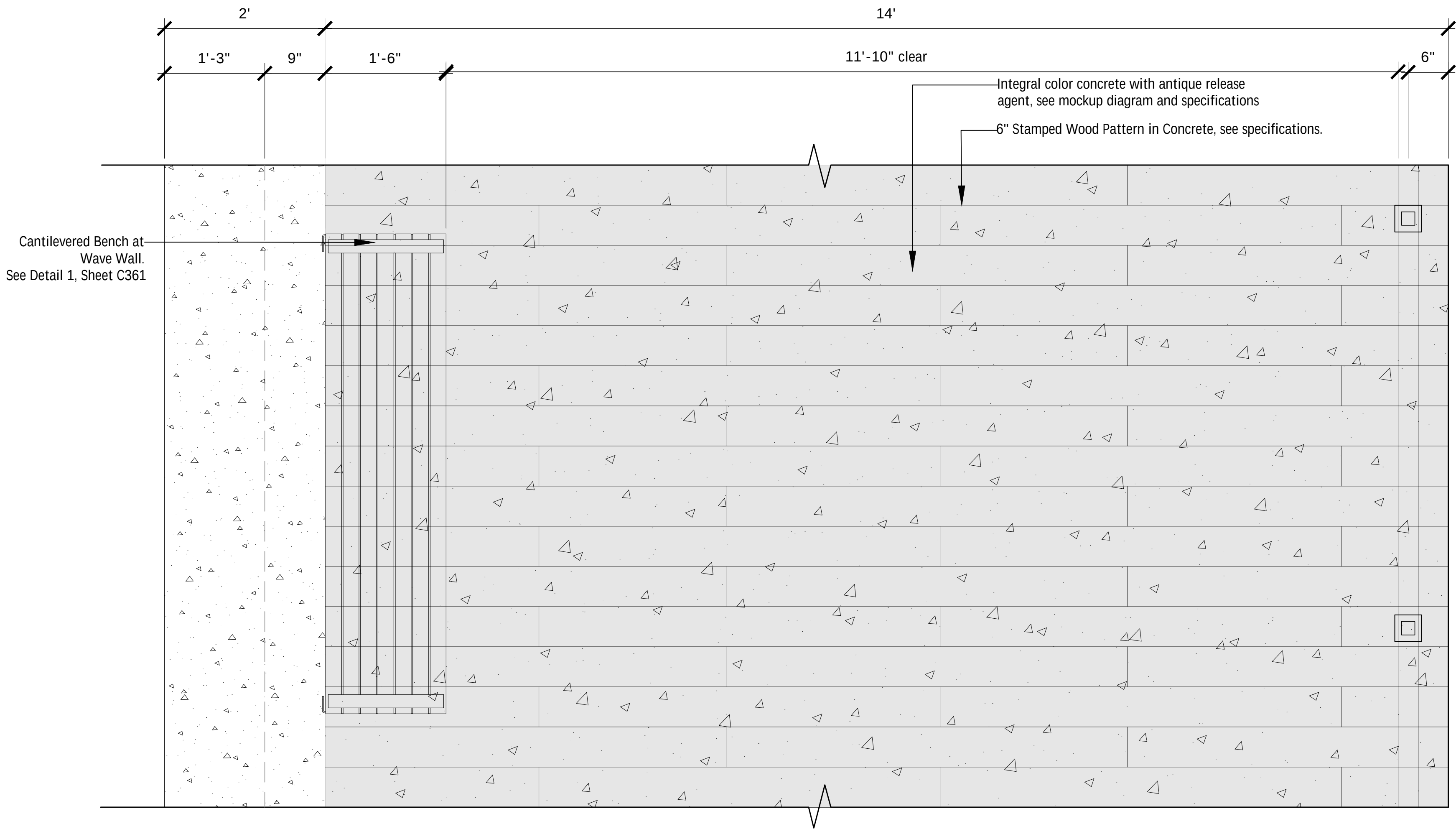
Scale None

Drawing Title

HARDSCAPE DETAILS

Sheet No.

C360

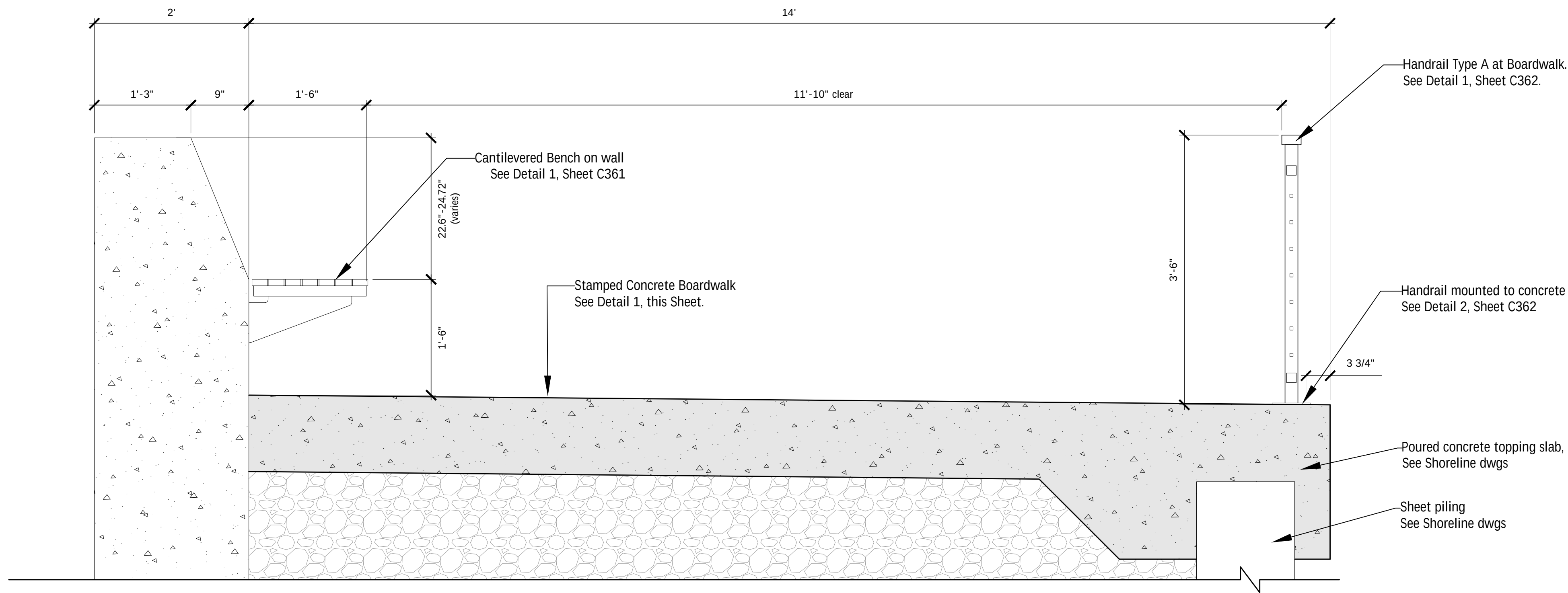


Mockup Diagram		
	Color Option 1 Uni-Mix U-10 Sonoran Tan	Color Option 2 Uni-Mix U-20 Smoke
Type A Finish Antique Release Color SikaColor-300 R24 ColinaTan		
Type B Finish Antique Release Color SikaColor-300 R14 Walnut		
Type C Finish Broom Finish		

Note:
1. Mockup panels to be 4' x 4' x full depth.
2. See specifications for product information and mockup requirements.
3. Wood pattern to run perpendicular to boardwalk alignment. Break and re-set pattern at any changes in boardwalk alignment direction. Askew pattern will not be acceptable.

1 Enlarged Plan - Stamped Concrete Boardwalk
Scale: 1" = 1'-0"

d-boardwalk-conc_plan



2 Section - Stamped Concrete Boardwalk
Scale: 1" = 1'-0"

d-boardwalk-conc_section



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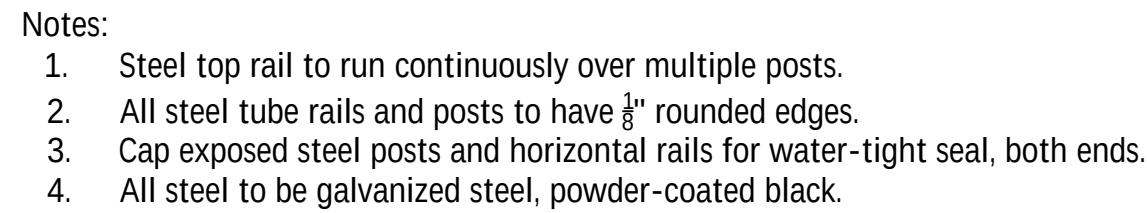
Scale None

Drawing Title

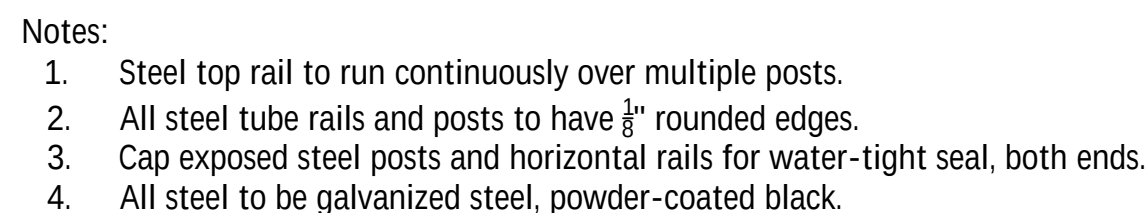
BOARDWALK DETAILS

Sheet No.

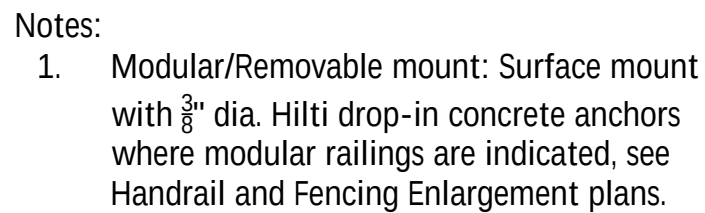
C361



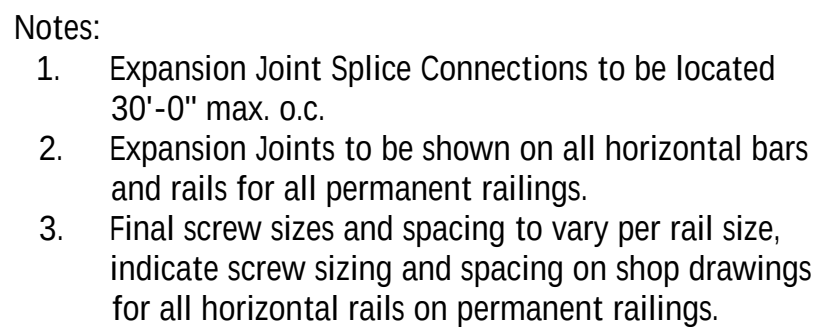
Scale: 1" = 1'-0"



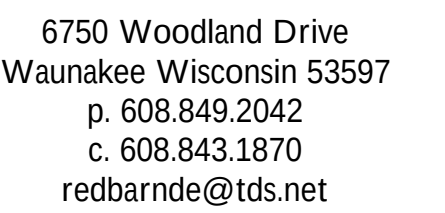
Scale: 1" = 1'-0"



Scale: 1 1/2" = 1'-0"



Scale: 6" = 1'-0"



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Graphic Scale

Scale	None
-------	------

Drawing Title

HANDRAIL DETAILS

Sheet No.

C362



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Prepared For:

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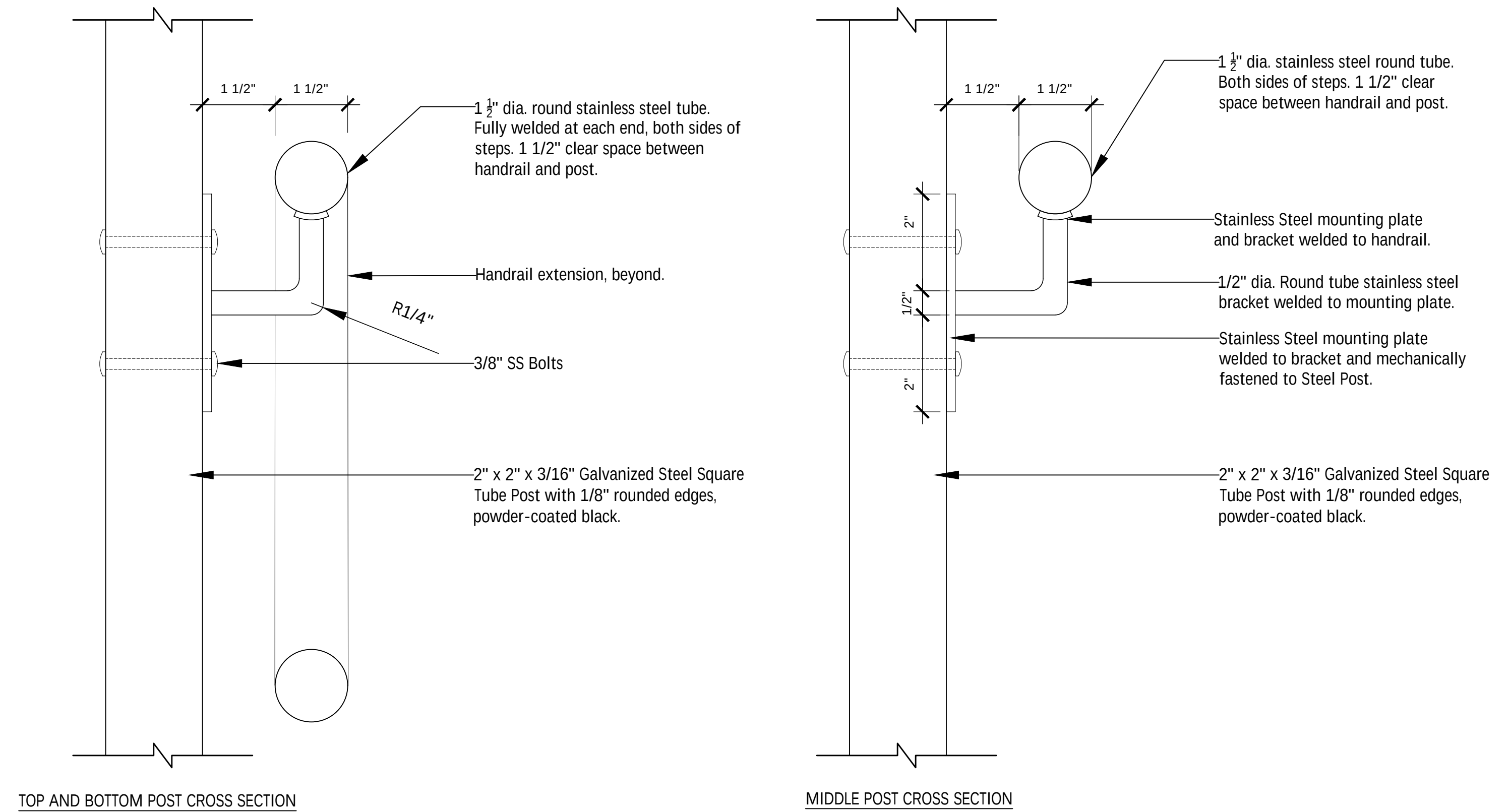
Scale	None
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Drawing Title

HANDRAIL DETAILS

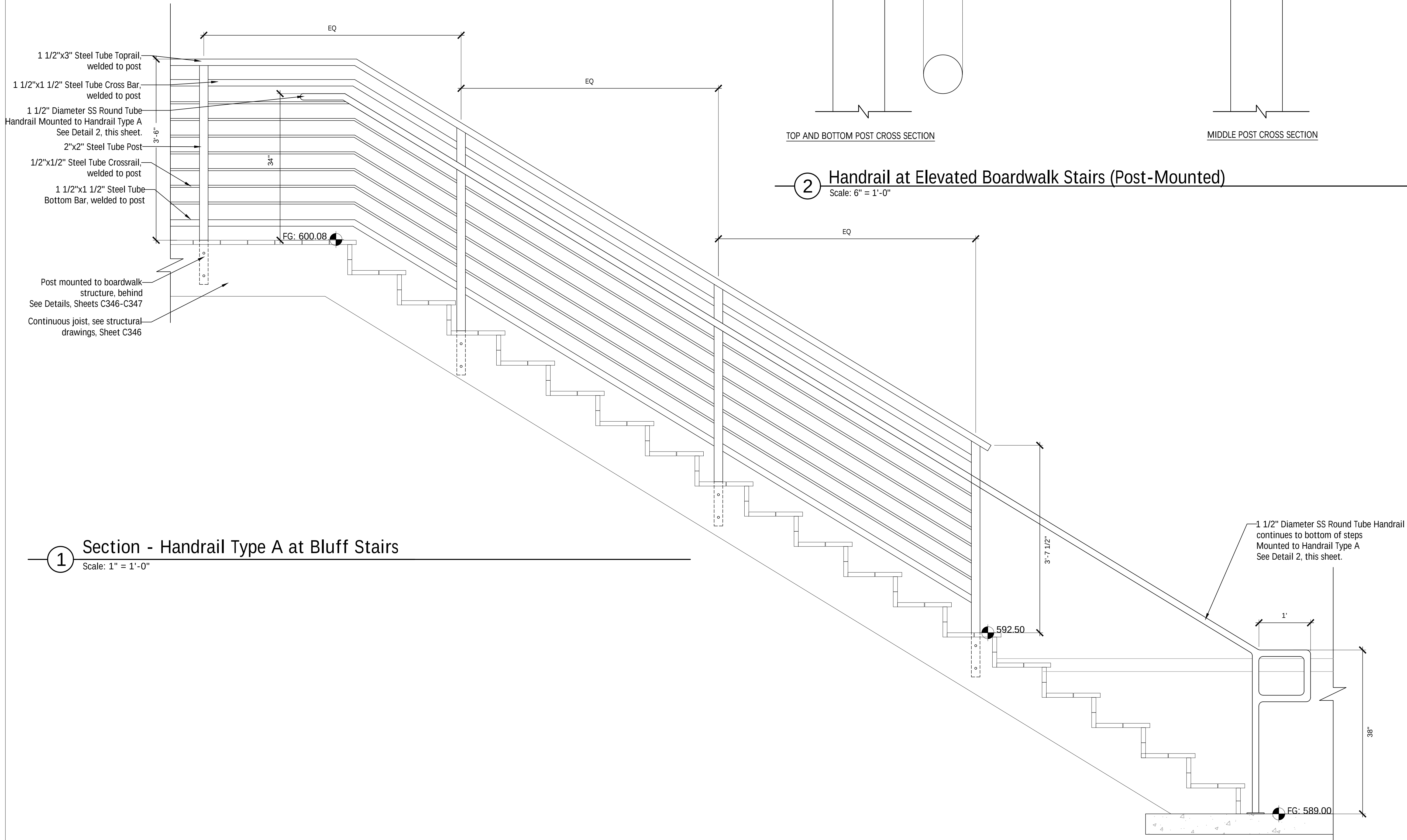
Sheet No. _____

C363



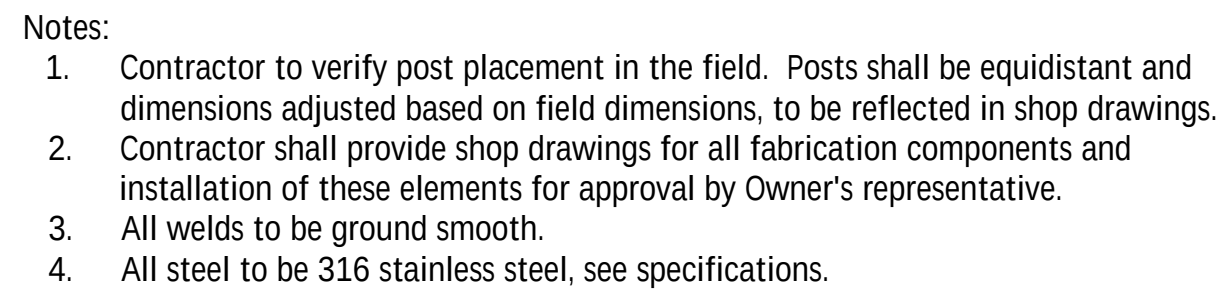
2 Handrail at Elevated Boardwalk Stairs (Post-Mounted)

Scale: 6" = 1'-0"



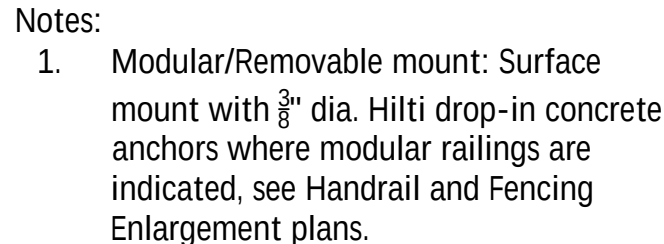
1 Section - Handrail Type A at Bluff Stairs
Scale: 1" = 1' 0"

Scale: 1" = 1'-0"



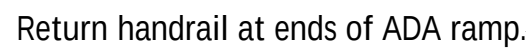
Scale: $\frac{3}{4}" = 1'-0"$

d-handrail at ada ramp



Scale: 1 1/2" = 1'-0"

d-handrail at conc



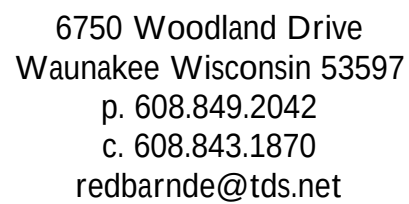
Scale: $\frac{3}{4}" = 1'-0"$

d-handrail at ada ramp



4 Scale: 3" = 1'-0"

d-handrail at conc



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Project Title:

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Elder Lane Park
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Prepared For:

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Winnetka, IL

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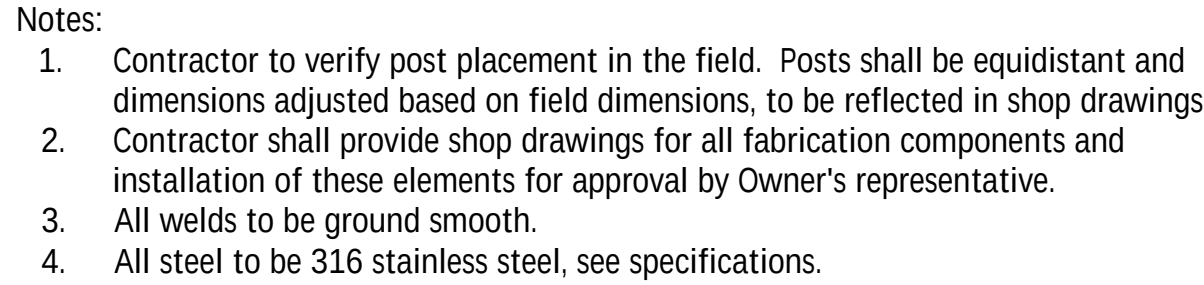
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Drawing Title

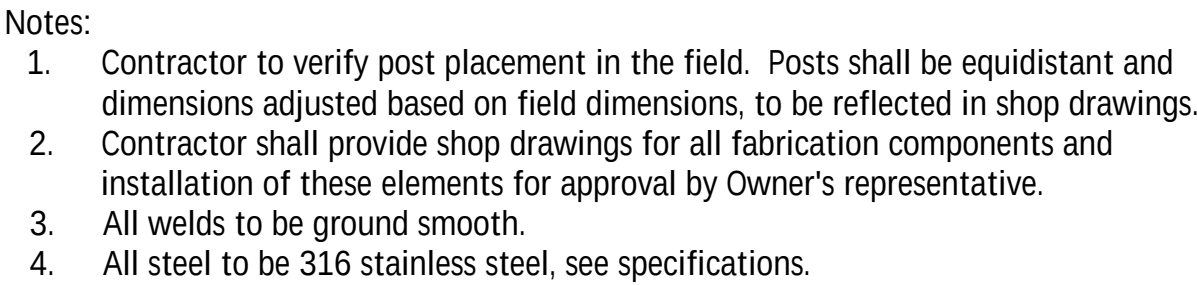
HANDRAIL DETAILS

Sheet No.

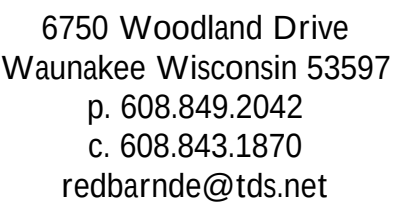
C364



d-conc handrail extst steps elevation



Scale: 3/4" = 1'-0"



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Project Title:

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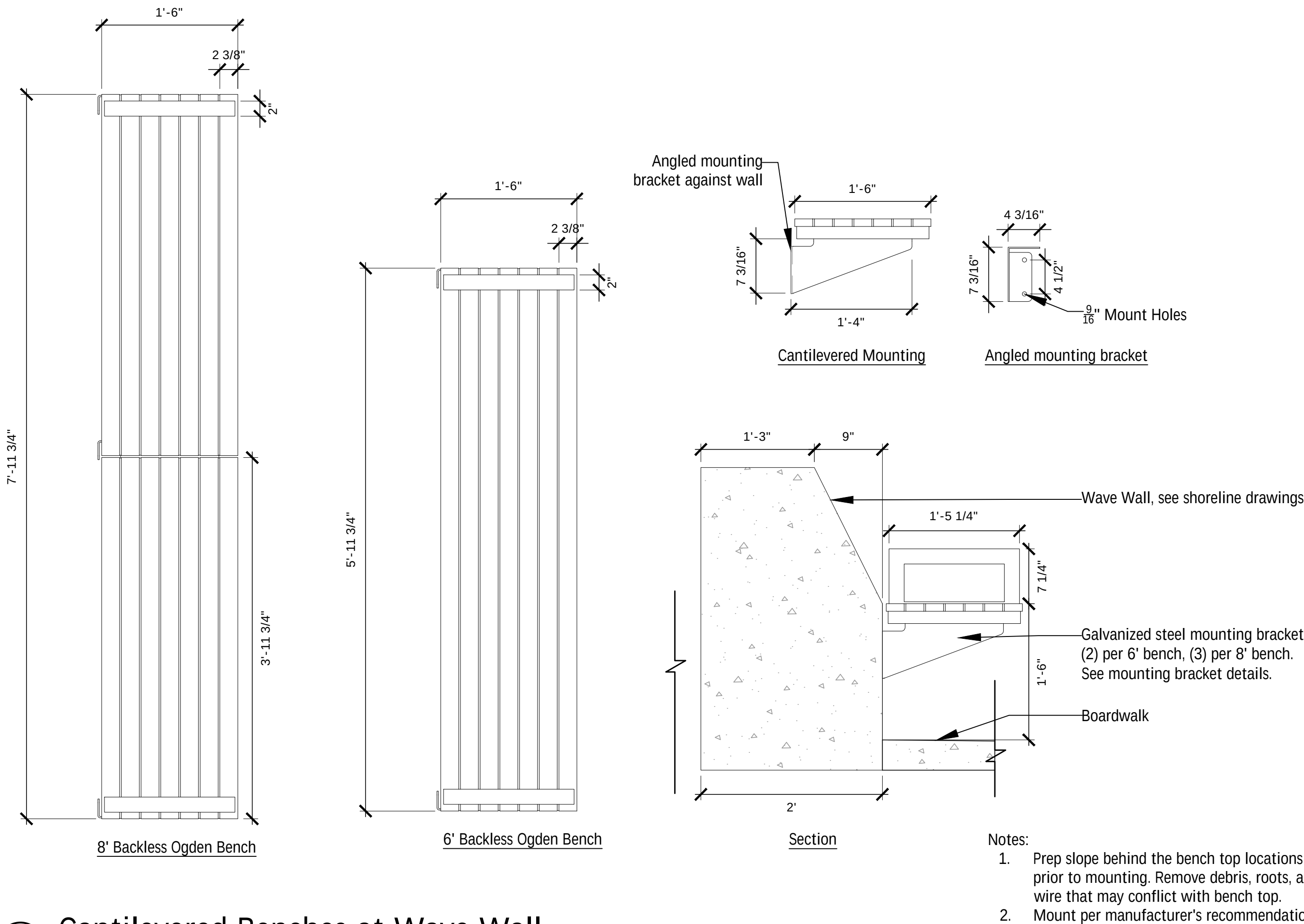
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Drawing Title

HANDRAIL DETAILS

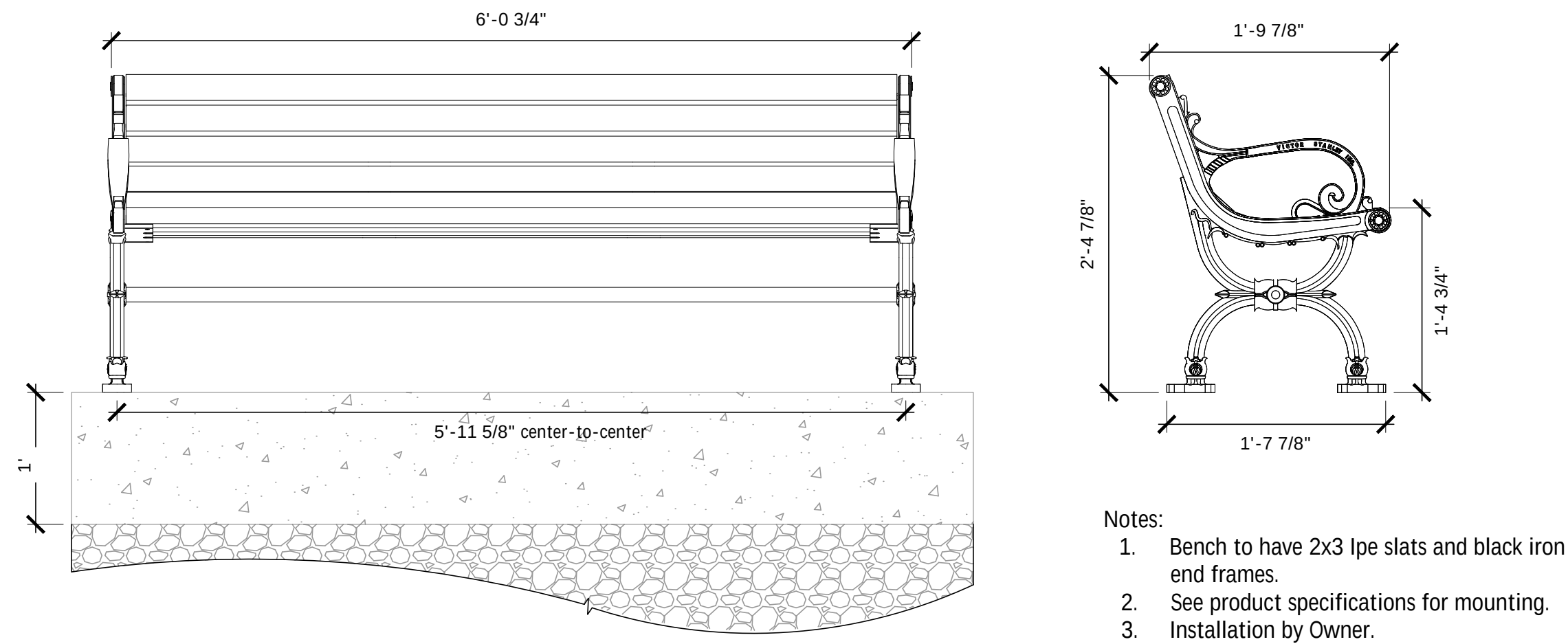
Sheet No.

C365



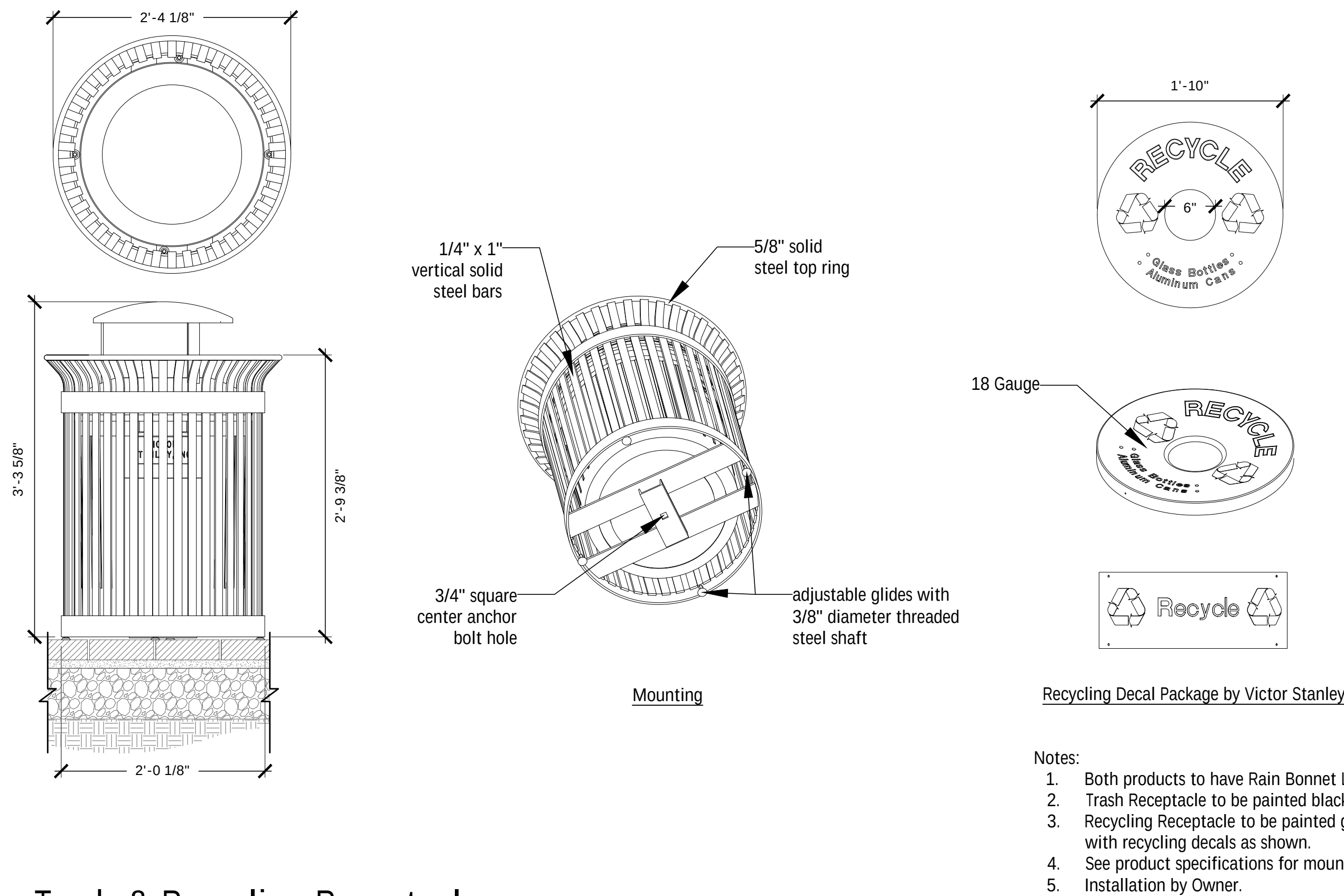
1 Cantilevered Benches at Wave Wall

Scale: 1" = 1'-0"



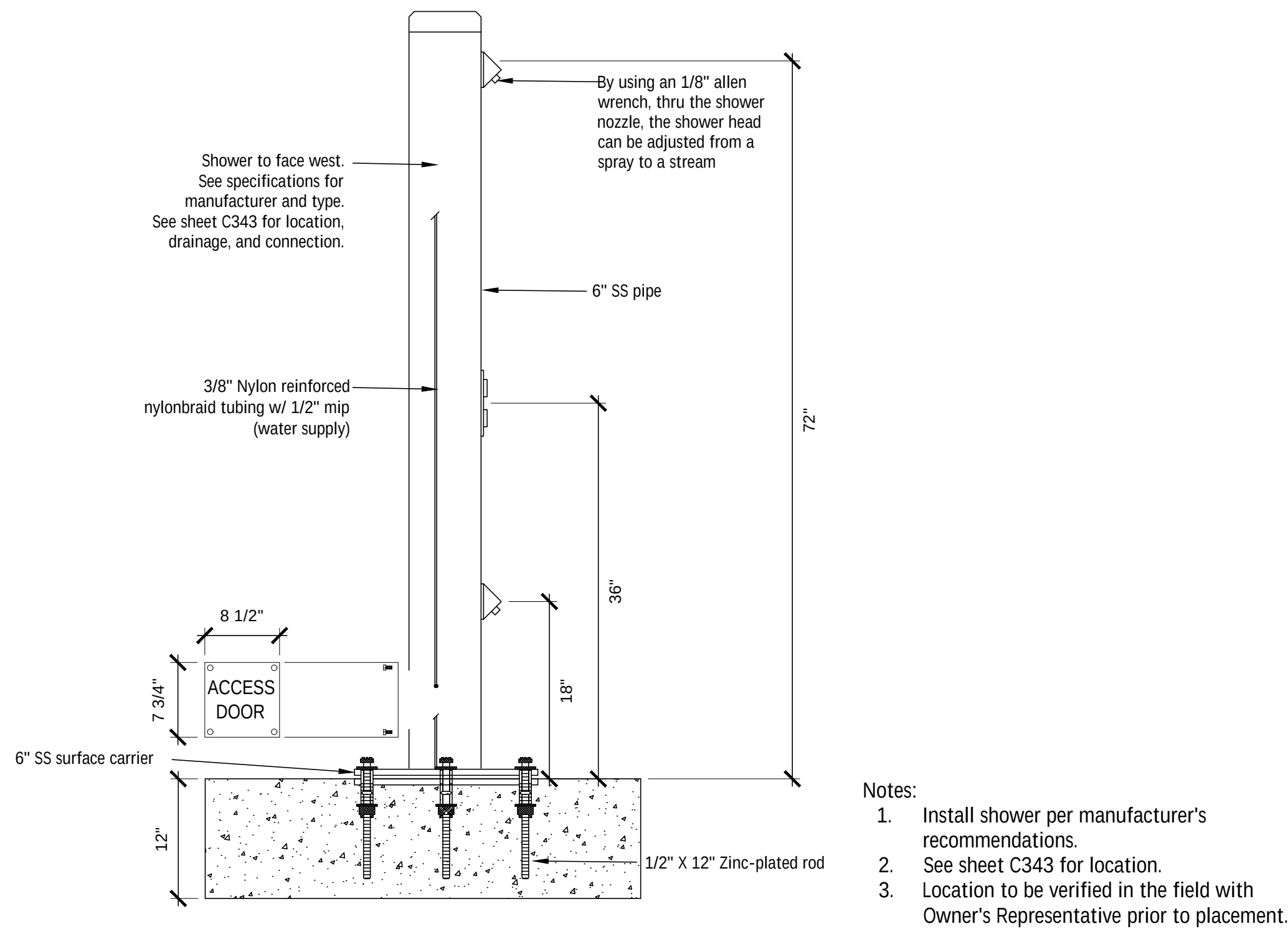
2 Park Benches

Scale: 1" = 1'-0"



3 Trash & Recycling Receptacles

Scale: 1" = 1'-0"



4 Beach Shower

Scale: 1" = 1'-0"



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Winnetka, IL

Prepared For:

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Winnetka, IL

Graphic Scale

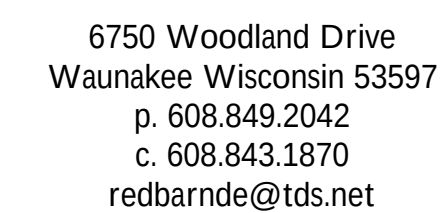
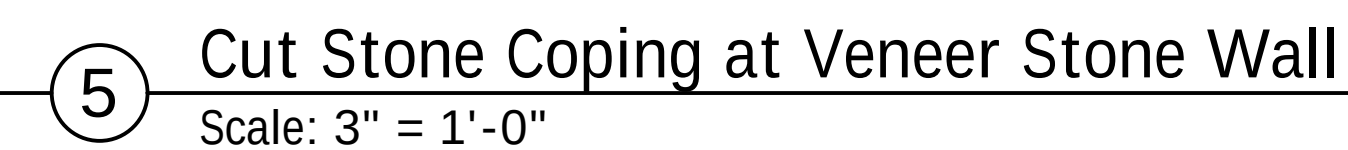
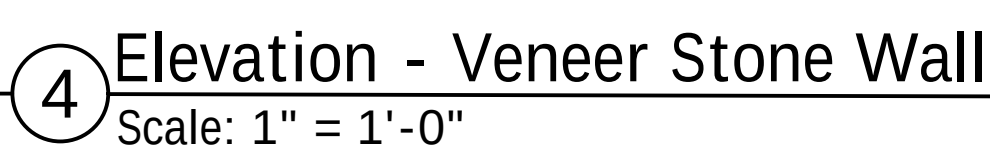
Scale None

Drawing Title

SITE FURNISHINGS

Sheet No.

C367



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Winnetka, IL

Graphic Scale

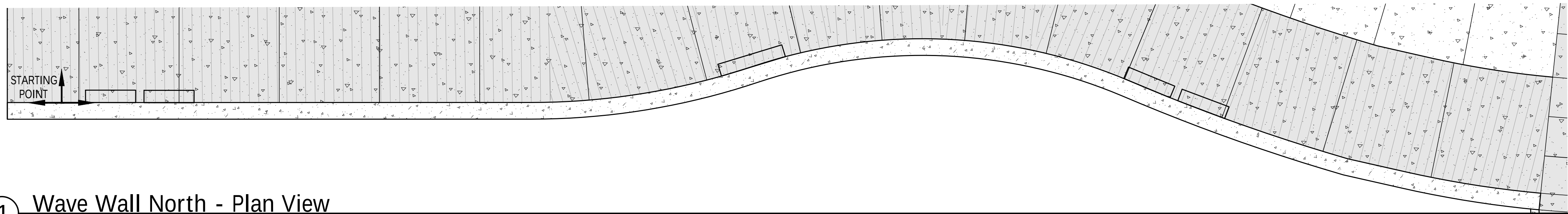
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Drawing Title

RETAINING WALL DETAILS

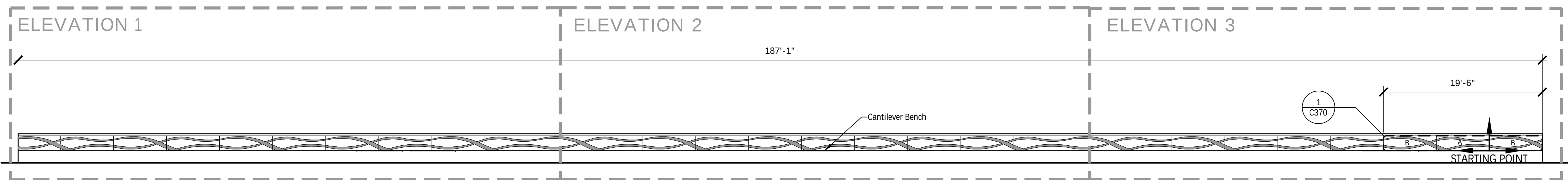
Sheet No.

C368



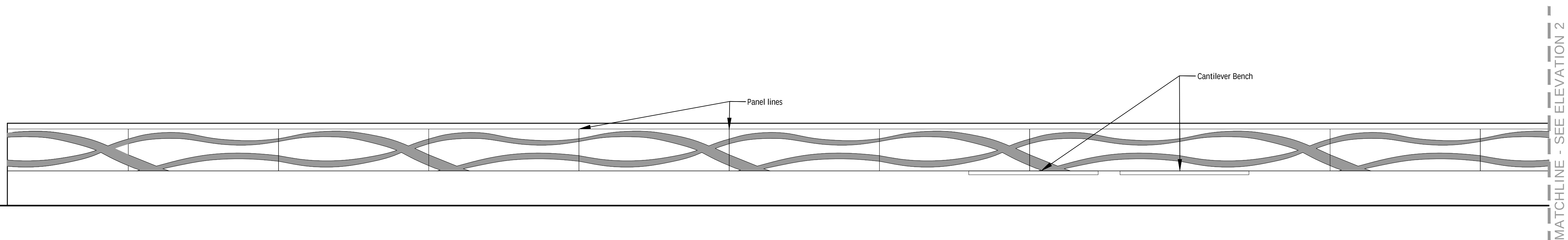
1 Wave Wall North - Plan View

Scale: 1/8" = 1'-0"



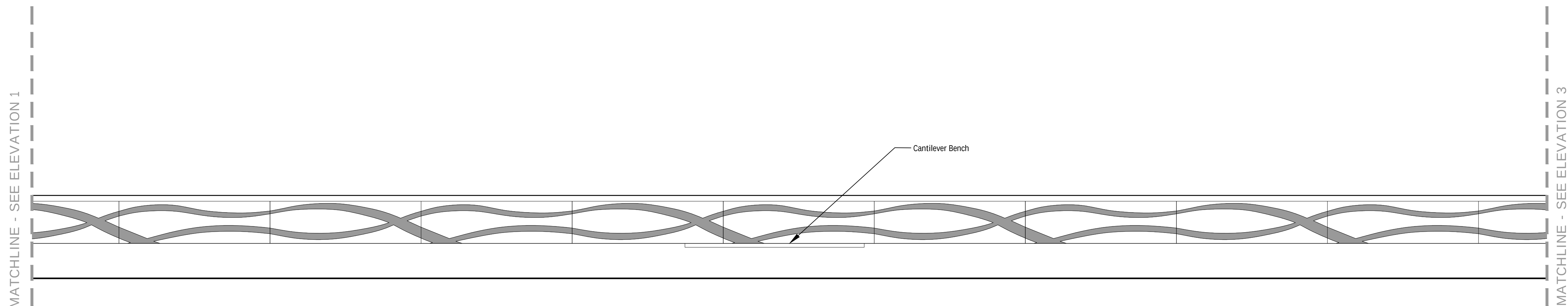
② Wave Wall North - Elevation Key

Scale: 1/8" = 1'-0"



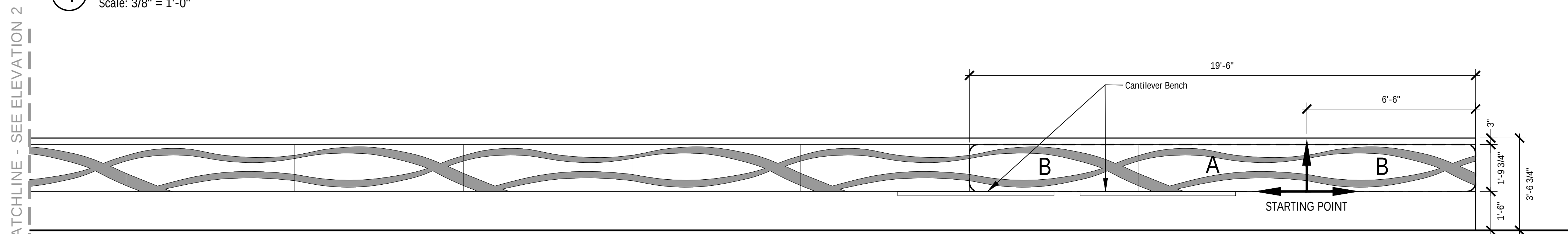
② Wave Wall North - Enlarged Elevation1

Scale: $\frac{3}{8}" = 1'-0"$



④ Wave Wall North - Enlarged Elevation 2

Scale: 3/8" = 1'-0"



Notes:

1. Vertical and horizontal lines shown represent formliner panel borders. See sheets C316 - C318 for control joints and expansion joints.

⑤ Wave Wall North - Enlarged Elevation 3

Scale: 3/8" = 1'-0"



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Project Title:

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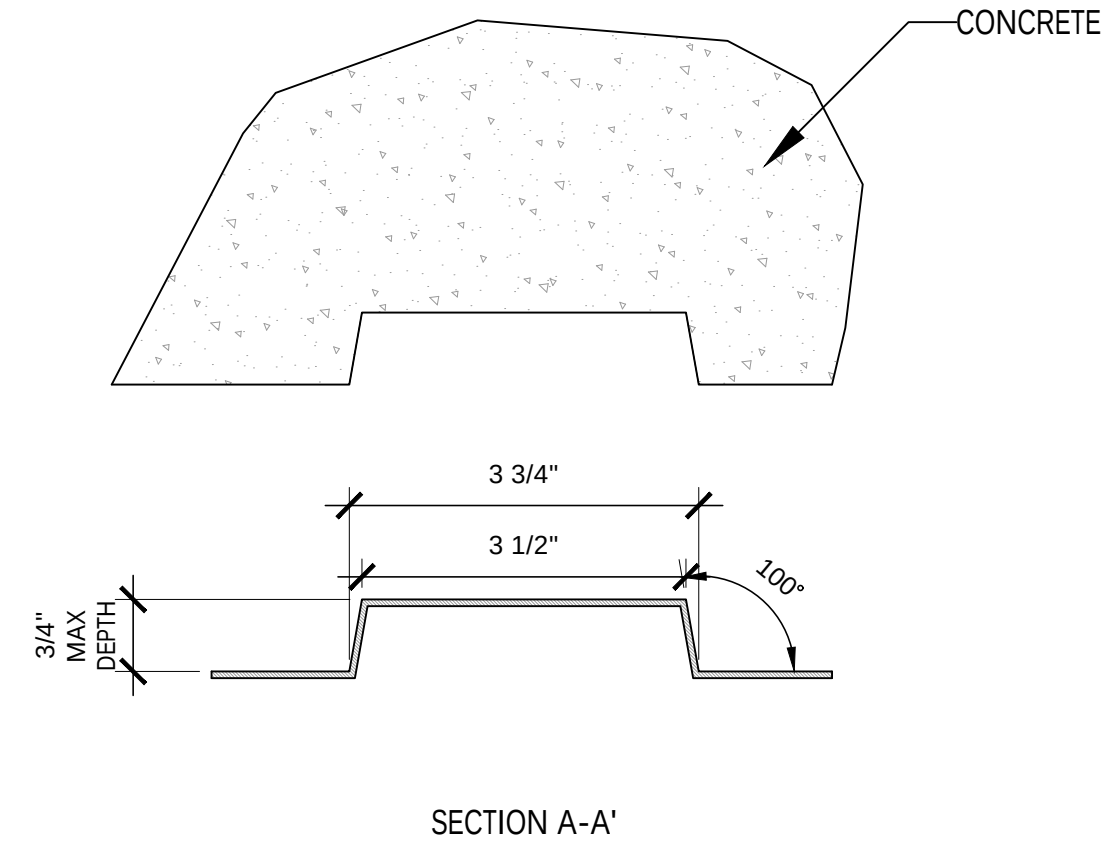
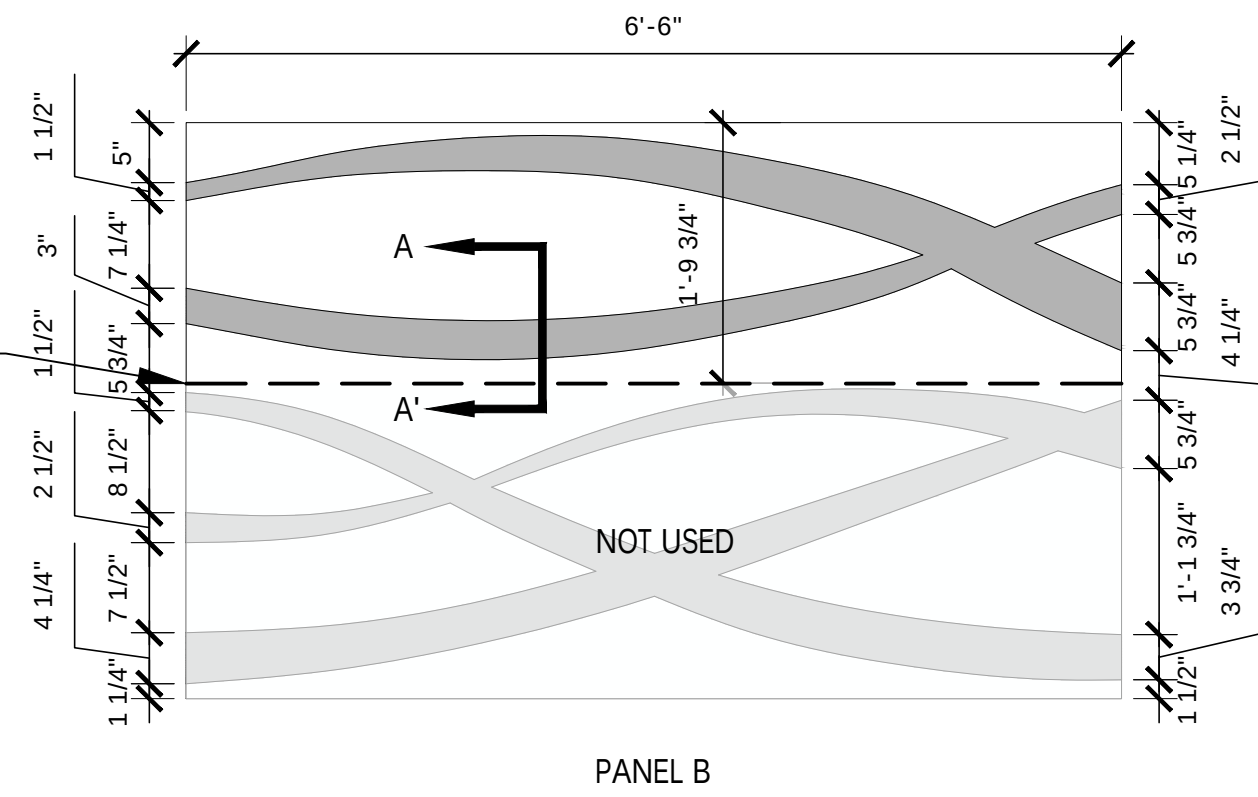
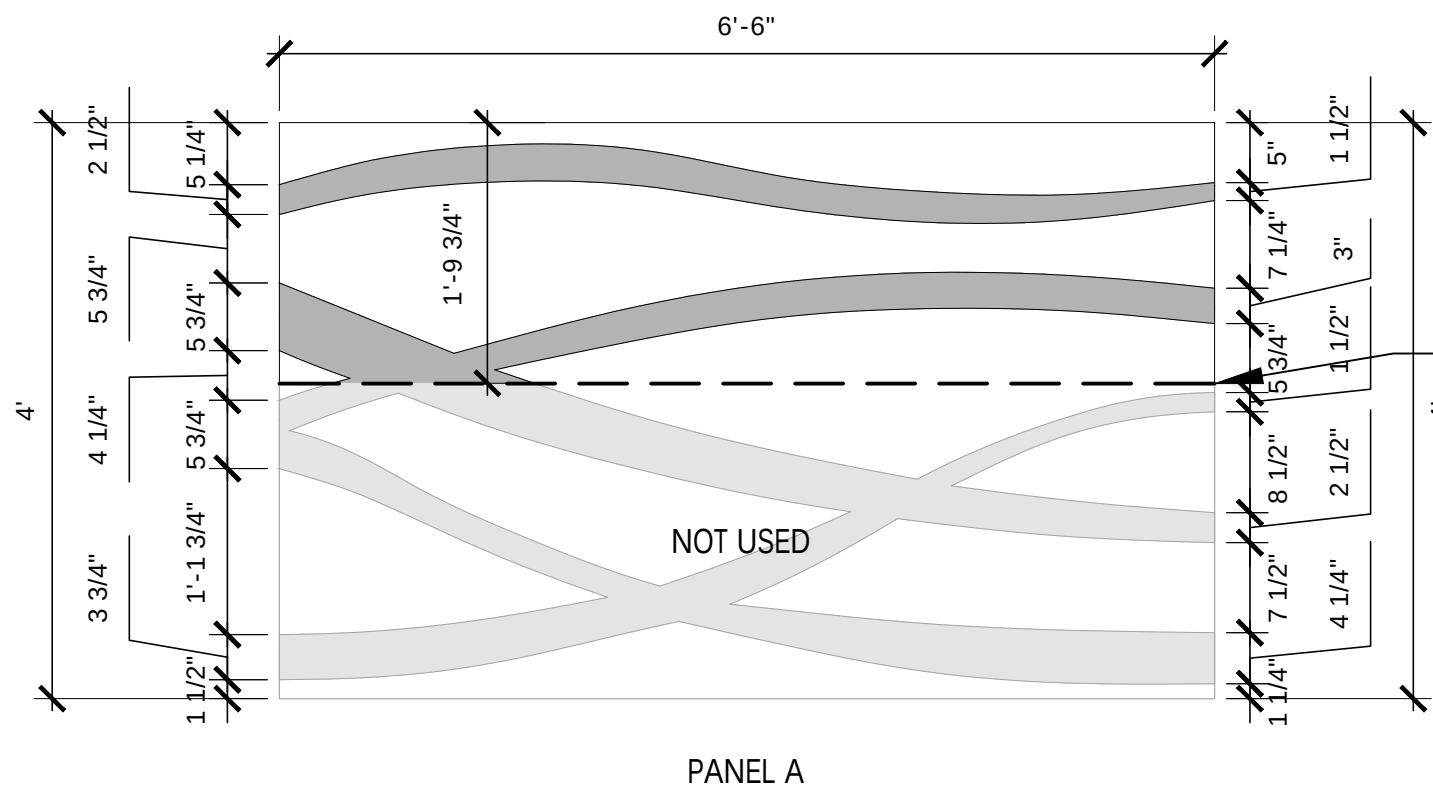
Scale	None
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Drawing Title

WAVE WALL DETAILS

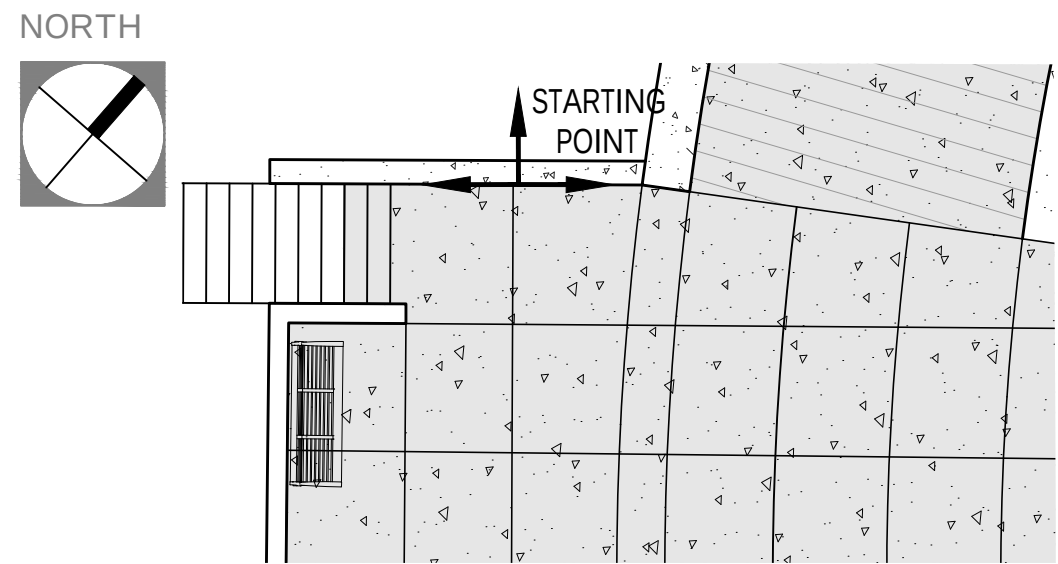
Sheet No.

C369

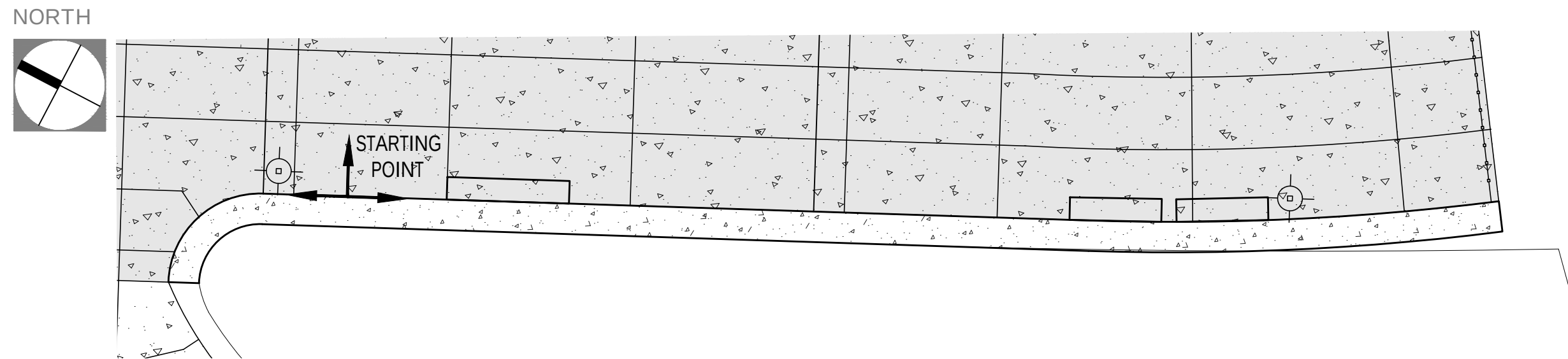


- Notes:
1. See sheet C369 for form liner pattern layout.
 2. See sheet C369 for wall location and layout.
 3. See sheets C316 - C318 for control and expansion joints for walls.
 4. See specifications for manufacturer type and details for form liner.

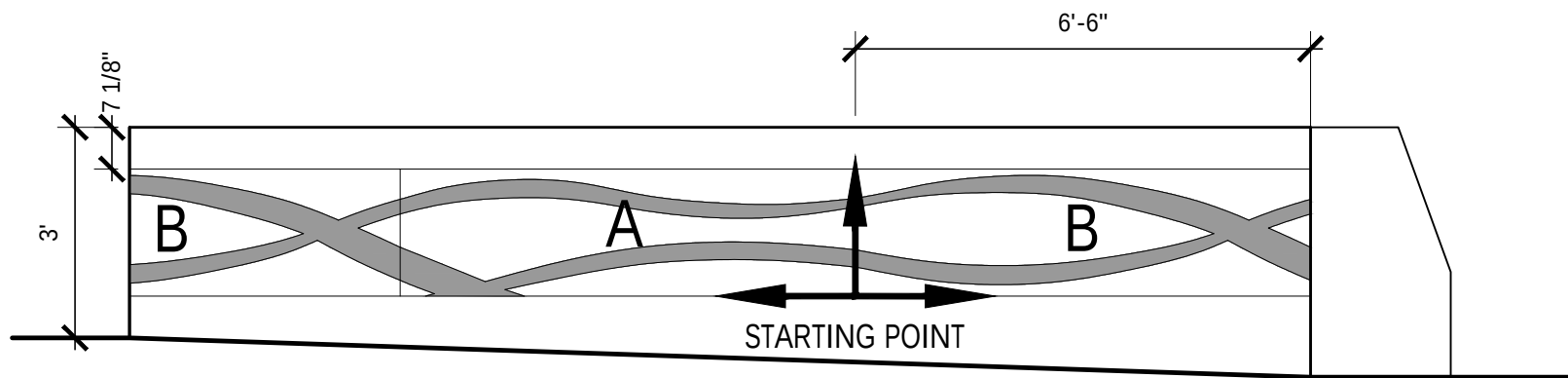
1 Detail - Formliner Wave Pattern Panels
Scale: 3/4" = 1'-0"



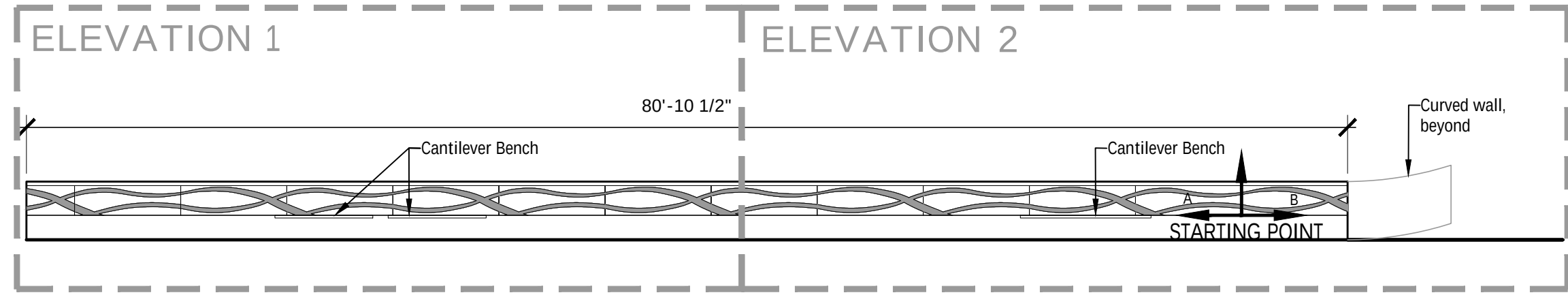
2 Wave Wall Northwest - Plan View
Scale: 1/8" = 1'-0"



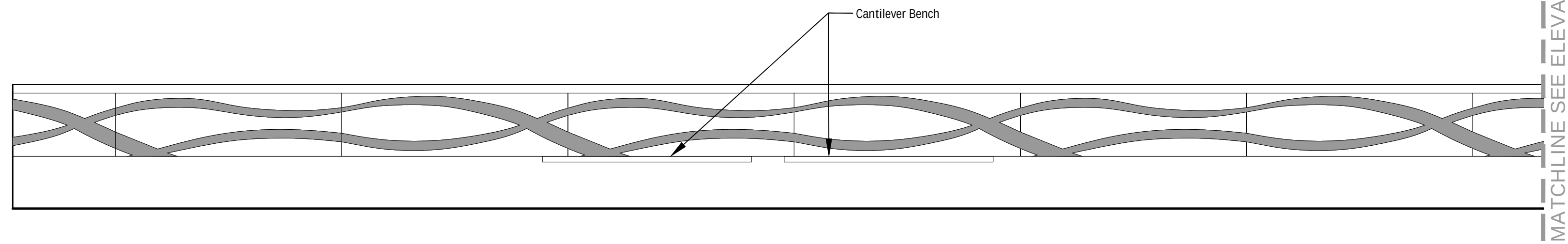
4 Wave Wall South - Plan View
Scale: 1/8" = 1'-0"



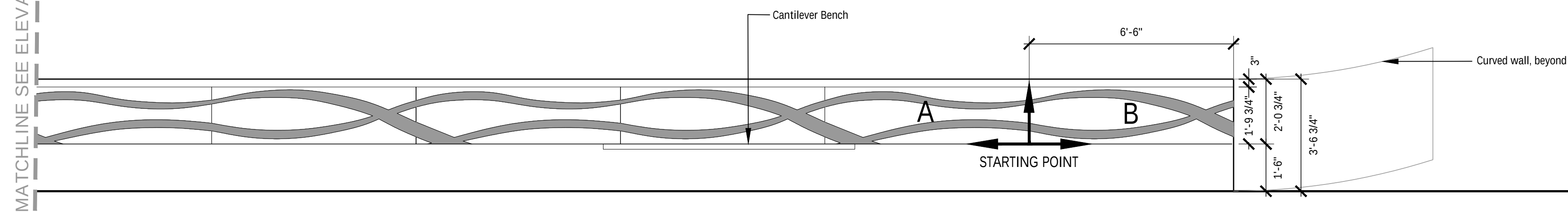
3 Wave Wall Northwest - Enlarged Elevation
Scale: 3/8" = 1'-0"



5 Wave Wall South - Elevation Key
Scale: 3/8" = 1'-0"



6 Wave Wall South - Enlarged Elevation 1
Scale: 3/8" = 1'-0"



7 Wave Wall South - Enlarged Elevation 2
Scale: 3/8" = 1'-0"



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Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

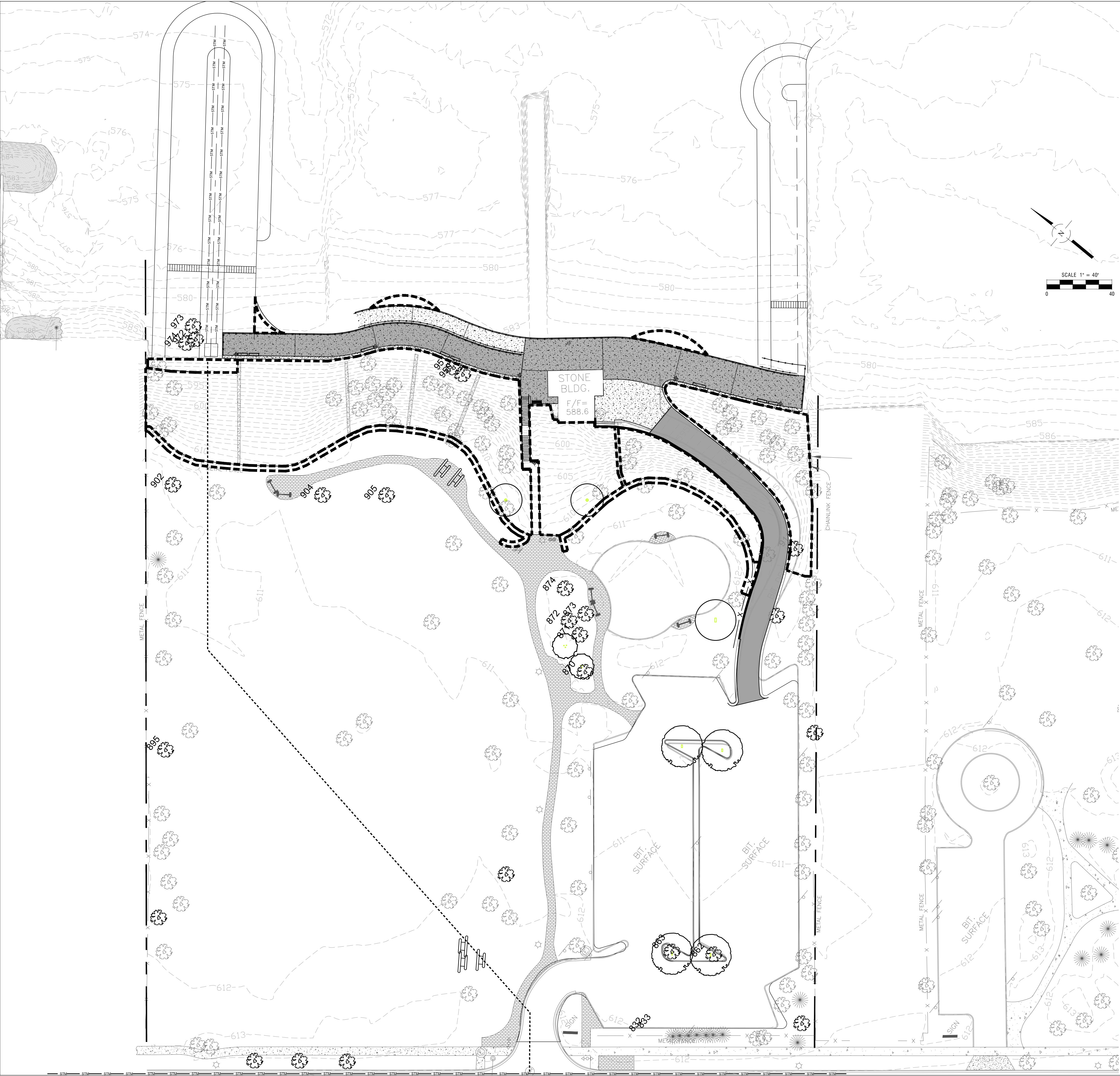
Scale None

Drawing Title

WAVE WALL DETAILS

Sheet No.

C370



LEGEND

----- PROJECT EXTENT BOUNDARY



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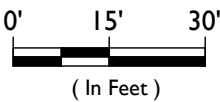
Project Title:

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Elder Lane Park
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Prepared For:

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Winnetka, IL

Graphic Scale



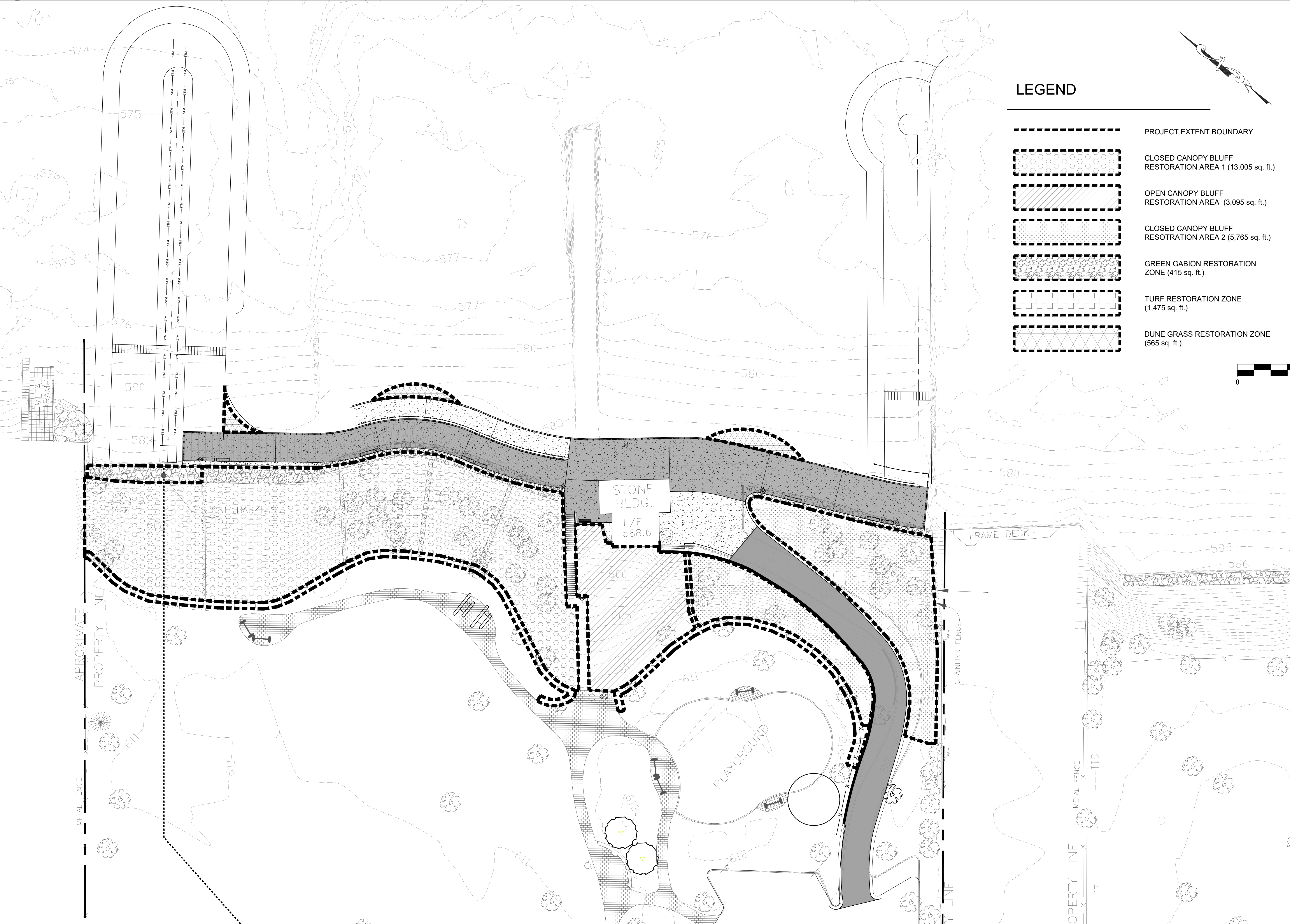
Scale 1 Inch = 30 Ft.

Drawing Title

OVERALL RESTORATION
PLAN

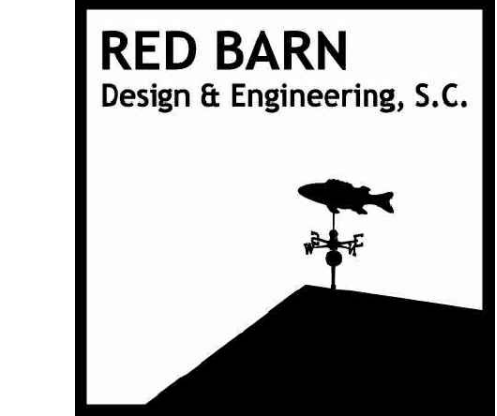
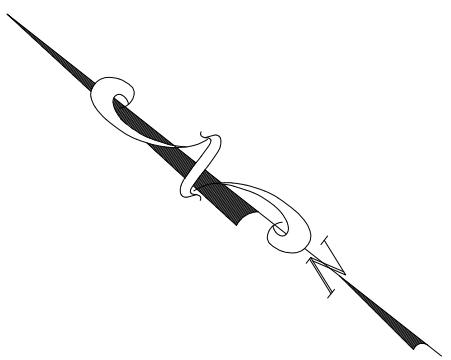
Sheet No.

C371



LEGEND

- PROJECT EXTENT BOUNDARY
- CLOSED CANOPY BLUFF RESTORATION AREA 1 (13,005 sq. ft.)
- OPEN CANOPY BLUFF RESTORATION AREA (3,095 sq. ft.)
- CLOSED CANOPY BLUFF RESOTRATION AREA 2 (5,765 sq. ft.)
- GREEN GABION RESTORATION ZONE (415 sq. ft.)
- TURF RESTORATION ZONE (1,475 sq. ft.)
- DUNE GRASS RESTORATION ZONE (565 sq. ft.)



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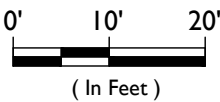
Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale



Scale 1 Inch = 20 Ft.

Drawing Title

RESTORATION PLAN

Sheet No.

C372

Bluff Restoration Areas (Open and Closed Canopy) - 21,865 sq. ft.

Bluff Restoration Areas (Open and Closed Canopy) - 21,865 sq. ft.

1. Disturbed areas with slopes 3H:1V or greater, the area shall be covered with a single layer of a biodegradable double-net straw blanket, such as BioNet® S150BN® or similar product. Blanket shall be anchored using 6" wooden stakes, such as an Eco-stake. Installation should follow the manufacturer's recommendations for the site conditions.
2. Plant material shall be obtained from a nursery that specializes in native plant production and is produced from material sourced from within 250 miles of the site. The 250-mile range is limited to the central and southern Lake Michigan watershed.
3. Plugs shall be at least 2" in diameter and 5" deep and be grown in either a 38- or 50- cell propagation tray.
4. Install plant plugs on 18" centers in offset rows (triangular pattern) throughout the bluff restoration zone following herbaceous species herbicide applications. Plants should be installed in individual species clusters of 5-7 plants. All planting areas will be watered following installation.
5. Plant installation should occur during typical perennial planting windows. If installation is to be performed during the dry summer months, the contractor will irrigate as needed to promote the successful establishment of the plant material.
6. A cover crop of seed oats should be spread at a rate of 35 lbs./acre following the plug installation.

Green Gabion Wall - 415 sq. ft.

1. The gabion wall exists at the Bluff Restoration Zone toe of slope adjacent to the beach and held behind a sheet pile wall. Currently, the gabions are exposed at the top and covered largely in invasive vining species with some trees growing in them.
2. Remove all vegetation from the gabions and cut the woody species as close to flush with the wire as feasible. Treat the cut stumps as detailed in the Invasive and Noxious Species Removal and Control section.
3. A clean, sandy loam topsoil will be utilized to backfill any voids in the gabions and cover the exposed wire.
4. Utilize a vibratory plate compactor, or other approved equipment, to settle and compact the soil around the rocks in the gabions. Continue to add topsoil and compact to achieve a 2" thick soil layer over the gabions.
5. A hydraulic mulch with native seed and cover crop will be installed within a week following the topsoil installation to stabilize the slope. The native seed will consist of the same species detailed in the plug list.

Turf Restoration Zone - 1,475 sq. ft.

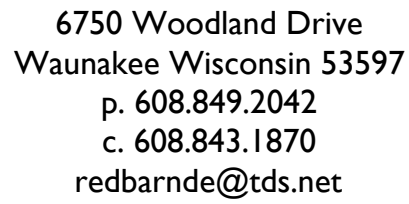
1. Prior to seeding, the area shall be tilled to a depth of 4" and any branches, rocks, or debris greater than 0.75" in diameter shall be removed.
2. A general-purpose turf mix will be selected that matches the existing turf growing in the park and installed per the manufacturer's recommendations for the selected installation method.
3. Seed shall be applied with either a broadcaster or hydraulically. If applied with a broadcast method, half the seed shall be installed while working in one direction. The second half of seed shall be applied while going in a direction perpendicular to the first pass to ensure 100% coverage of the site. The area should be lightly rolled or raked after seeding to ensure adequate seed to soil contact.
4. Following seed installation, the seeded area shall be covered with either straw or hydraulic mulch. Straw should be applied at 2 tons/acre and crimped or anchored in place. Hydraulic mulch should be paper- or wood-based and applied at the manufacturer's rate for the site conditions.
5. Seeded areas shall be irrigated by the contractor during the establishment period until a dense and consistent stand of grass is established.

Dune Grass Planting Zone - 565 sq. ft.

1. This zone is currently open sand that is adjacent to construction activities.
2. Install bare root plants on 8" centers in offset rows (triangular pattern) throughout the dune grass restoration zone in the spring or fall following the conclusion of construction activities. The bare root plants should be planted 10" or more beneath the surface and in accordance with the supplier's recommendation.
3. In planting areas with slopes 3H:1V or greater, the area shall be covered with a single layer of a biodegradable double-net straw blanket, such as BioNet® S150BN® or similar product. Blanket shall be anchored using 6" wooden stakes, such as an Eco-stake. Installation should follow the manufacturer's recommendations for the site conditions.
4. All bare root plants should be inspected prior to installation, any moldy or rotted plants shall be discarded. Installation of this type of plant material is unlikely to survive.
5. Dune grass plantings shall be watered immediately following installation and irrigated as needed throughout the first growing season to achieve an 80% survival.

Closed Canopy Bluff Restoration Plug Planting List		
Species	Common Name	Plug Amount
<i>Asarum canadense</i>	Wild Ginger	91
<i>Erythronium albidum</i>	White Trout-lily	137
<i>Erythronium americanum</i>	Yellow Trout-lily	137
<i>Euphorbia corollata</i>	Flowering Spurge	91
<i>Geranium maculatum</i>	Wild Geranium	137
<i>Sanguinaria canadensis</i>	Bloodroot	228
<i>Smilacina stellatum</i>	Starry False Solomon's Seal	137
<i>Symphyotrichum laeve</i>	Smooth Blue American-Aster	137
<i>Symphyotrichum sericeum</i>	Silky aster	137
<i>Symphyotrichum shortii</i>	Short's Aster	137
<i>Symphyotrichum urophyllum</i>	Arrow-Leaf Aster	137
<i>Thalictrum thalictroides</i>	Rue-anemone	137
Total		1643

Closed Canopy Bluff Restoration Seed		
Species	Common Name	PLS oz./Acre
<i>Anemone virginiana</i>	Tall Thimbleweed	3.4
<i>Aquilegia canadensis</i>	Wild columbine	4.25
<i>Bromus pubescens</i>	Hairy Woodland Brome	59.09
<i>Carex pensylvanica</i>	Pennsylvania Sedge	2.93
<i>Elymus canadensis</i>	Canada Wild Rye	59.84
<i>Eutrochium purpureum</i>	Sweet-Scented Joe-Pye-Weed	1.06
<i>Helianthus strumosus</i>	Savanna Sunflower	4.72
<i>Hystrix patula</i>	Eastern Bottlebrush grass	72.29
<i>Panicum virgatum</i>	Switch Grass	5.99
<i>Solidago caesia</i>	Blue-stemmed Goldenrod	0.06
<i>Solidago flexicaulis</i>	Zigzag Goldenrod	0.4
<i>Solidago juncea</i>	Early Goldenrod	0.24
<i>Solidago speciosa</i>	Showy Goldenrod	0.32
<i>Solidago ulmifolia</i>	Elm-Leaf Goldenrod	0.26
Total		214.86
Cover crop of seed oats to be installed at a rate of 30 lbs./acre along with native component at a rate of 35 lbs./acre in all Closed Canopy bluff restoration areas.		



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Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

Scale NOT TO SCALE

Drawing Title

RESTORATION NOTES

Sheet No.

C373

RESTORATION NOTES

Invasive and Noxious Species Removal and Control - 0.56 ac.

1. The Bluff Restoration Zone has steep, irregular slopes, and a relatively dense understory with some significant stands of invasive shrubs, trees, and vines. The native herbaceous plant community here is not particularly well established throughout most portions of the bluff restoration zone. There are small clusters of native spring ephemeral species that should be avoided during late-winter and early-spring target species treatment applications.
2. The contractor shall be responsible for submitting an Invasive Species Control Plan for review and approval prior to the start of any target species control.
3. Target non-native and invasive species are to be treated within the limits of the restoration project area as shown on the plan.
4. Only non-native tree and shrub species with a DBH < 8" are to be removed/treated as part of this project. Exceptions to the size class limit apply to invasive and highly aggressive species noted in the target species list.
5. All trees, shrubs, and vines greater than 1" in height shall have their stumps cut to a height less than or equal to 2" above the ground surface.
6. All cut woody species will be chipped and disposed of at an appropriate off-site area.
7. All cut stumps will be treated with an herbicide containing glyphosate as an active ingredient and applied at the manufacturer's recommended rate for dormant stump treatment. If the area of treatment is within 50' of the lakeshore, an herbicide approved for aquatic use shall be used. Cut stumps will be treated within 30 minutes of cutting.
8. Any cut stumps that are not treated within the specified time limit, or cut to the correct height, should be recut and treated.
9. Trees, shrubs, and vines less than 1' in height shall receive a foliar treatment with an appropriate selective herbicide once the leaves have fully emerged.
10. Target woody species removal and cut stump treatment will be conducted during the winter season of the contracted construction year when plants are dormant. Woody and herbaceous target species foliar treatments to begin in spring season of contracted construction year.
11. Quantity and timing of herbicide treatments will be dependent upon species to be controlled and should follow industry standard practices and herbicide manufacturer's recommendations to achieve an 95% reduction in target species cover by the end of the growing season of the contracted construction year.

Maintenance

1. Periodic inspections of the restoration zones will be conducted to identify any areas with insufficient plant growth and/or areas of erosion.
2. Any bare areas larger than 4 square feet will be reseeded and/or replanted and mulched as necessary to obtain an even and vigorous stand of vegetation.
3. Any areas of erosion will be repaired as deemed appropriate to stabilize the eroded area in coordination with the engineer.
4. The contractor shall control non-native and invasive species to maintain a 5% or lower areal cover of the Bluff Restoration and Dune Grass Planting zones.

Target Species List	
Species	Common Name
<i>Acer negundo</i>	Ash-Leaf Maple
<i>Acer platanoides</i>	Norway Maple
<i>Aegopodium podagraria</i>	Bishop's Goutweed
<i>Ailanthus altissima</i>	Tree of Heaven
<i>Alliaria petiolata</i>	Garlic Mustard
<i>Arctium minus</i>	Common Burdock
<i>Artemisia vulgaris</i>	Common Mugwort
<i>Berberis thunbergii</i>	Japanese Barberrry
<i>Celastrus orbiculatus</i>	Asian Bittersweet
<i>Centaurea stoebe</i>	Spotted Knapweed
<i>Cirsium arvense</i>	Canada Thistle
<i>Conium maculatum</i>	Poison hemlock
<i>Dipsacus</i> spp.	Teasel
<i>Elaeagnus umbellata</i>	Autumn Olive
<i>Epipactis helleborine</i>	Helleborine
<i>Euonymus alatus</i>	Winged Euonymus
<i>Euonymus fortunei</i>	Winter creeper
<i>Frangula alnus</i>	Glossy Buckthorn
<i>Hedera</i> spp.	English Ivy
<i>Humulus japonicus</i>	Japanese Hop
<i>Leymus arenarius</i>	European Lyme Grass
<i>Ligustrum</i> spp.	Privet
<i>Loncera japonica</i>	Japanese honeysuckle
<i>Loncera</i> spp.	Bush honeysuckles
<i>Lotus corniculatus</i>	Bird's Foot Trefoil
<i>Lysimachia nummularia</i>	Moneysort
<i>Lythrum salicaria</i>	Purple Loosestrife
<i>Melilotus</i> spp.	Sweet Clover
<i>Morus alba</i>	White Mulberry
<i>Pastinaca sativa</i>	Wild Parsnip
<i>Phalaris arundinacea</i>	Reed Canary Grass
<i>Phragmites australis</i>	Common Reed
<i>Reynoutria</i> spp.	Knotweed
<i>Rhamnus cathartica</i>	Common Buckthorn
<i>Rhus typhina</i>	staghorn sumac
<i>Robinia pseudoacacia</i>	Black Locust
<i>Rosa multiflora</i>	Multiflora Rose
<i>Securigera varia</i>	Crown Vetch
<i>Solidago altissima</i>	Tall Goldenrod
<i>Solidago canadensis</i>	Canadian Goldenrod
<i>Solidago sempervirens</i>	Seaside Goldenrod
<i>Typha</i> spp.	Cattail
<i>Ulmus pumila</i>	Siberian Elm
<i>Viburnum dentatum</i>	Southern Arrow Wood
<i>Viburnum opulus</i>	Highbush Cranberry
<i>Viburnum recognitum</i>	Smooth Arrow Wood
<i>Vinca</i> spp.	Periwinkle
<i>Vitis</i> spp.	Grapewines
*List includes some of the region's commonly encountered species, but not limited to this list. Tree removal limit is up to 6" DBH.	



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Project Title:

Site Improvements
Elder Lane Park
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

Graphic Scale

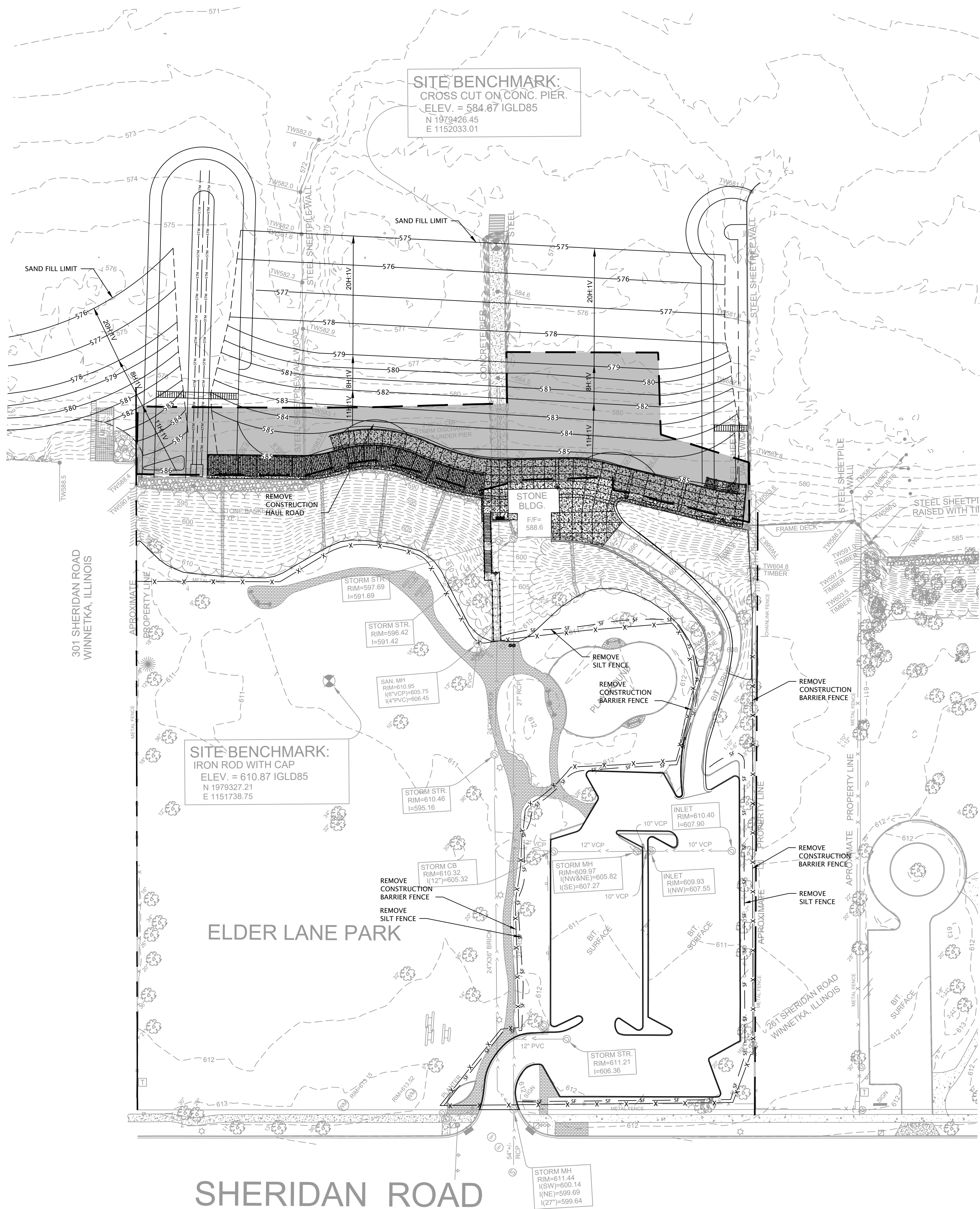
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Drawing Title

RESTORATION NOTES

Sheet No.

C374



"The information shown on this drawing concerning type and location of underground utilities is not guaranteed to be accurate or all inclusive. The contractor is responsible for making his own determinations as to the type and location of underground utilities as may be necessary to avoid damage thereto."



NOTES:

1. SEE SHEET C300 FOR LEGEND OF EXISTING CONDITIONS.
2. CONTRACTOR WILL BE PROVIDED AUTOCAD DRAWING FILE FOR CONSTRUCTION LAYOUT AFTER AWARD OF CONTRACT.
3. LIMITS OF CONSTRUCTION ARE AS SHOWN UNLESS OTHERWISE NOTED.
4. BEFORE EXCAVATION OR DEMOLITION, CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING JULIE AND APPROPRIATE UTILITY COMPANIES FOR UTILITY LOCATIONS.



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Issued for	Rev. Date
70% Submittal	07/26/24
100% Submittal	08/16/24
Bidding And Construction	08/30/24

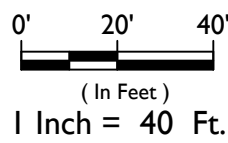
Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

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Winnetka, IL

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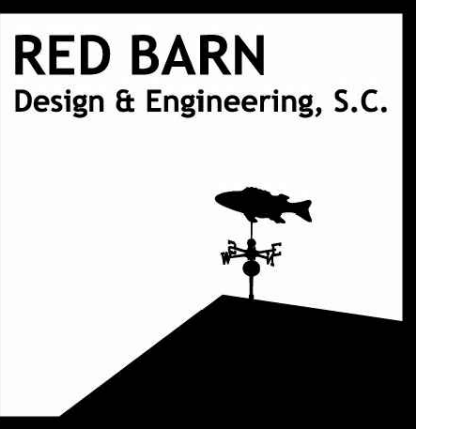
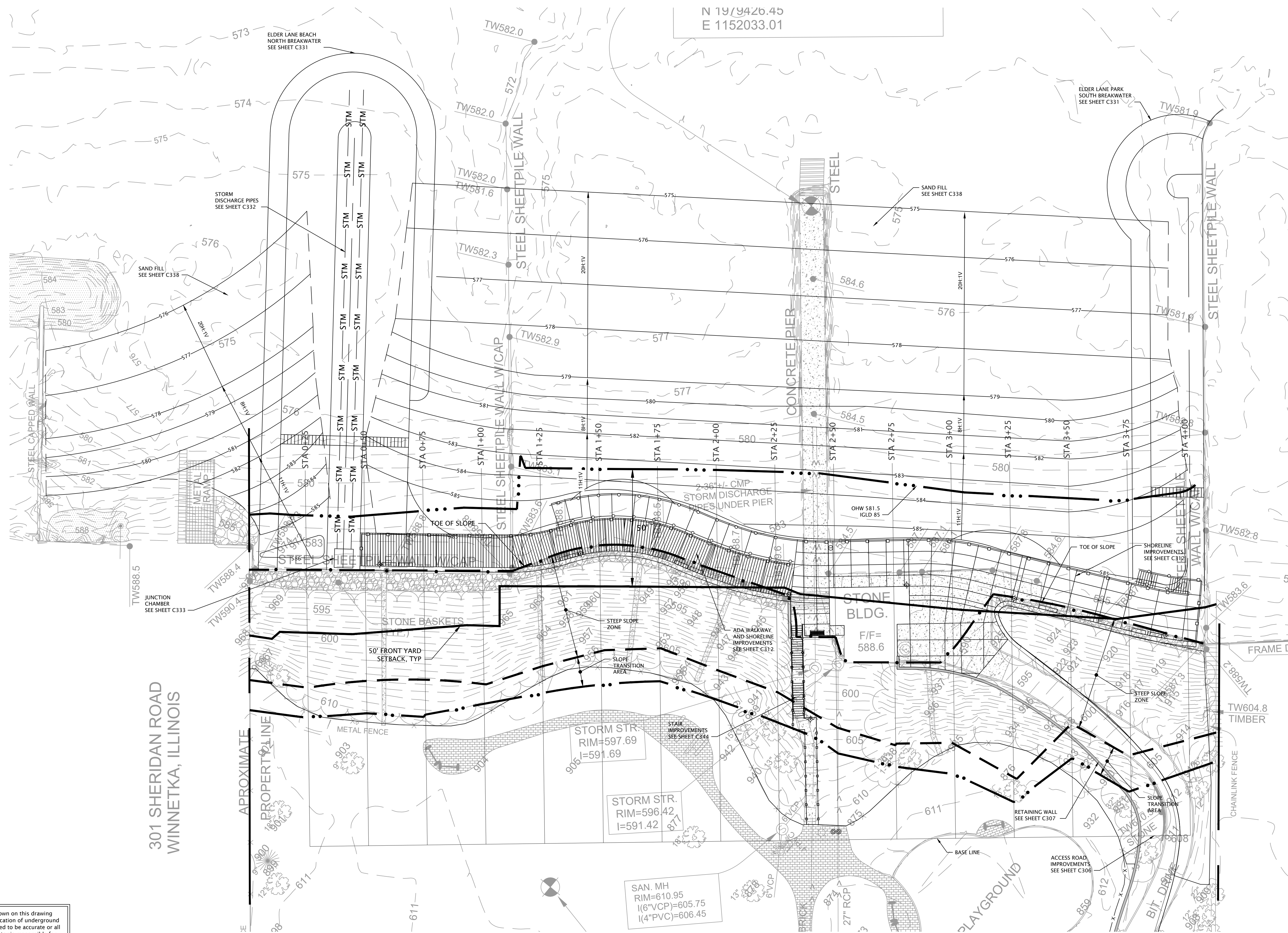
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Drawing Title

Site Closure Plan

Sheet No.

C375



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Project Title:

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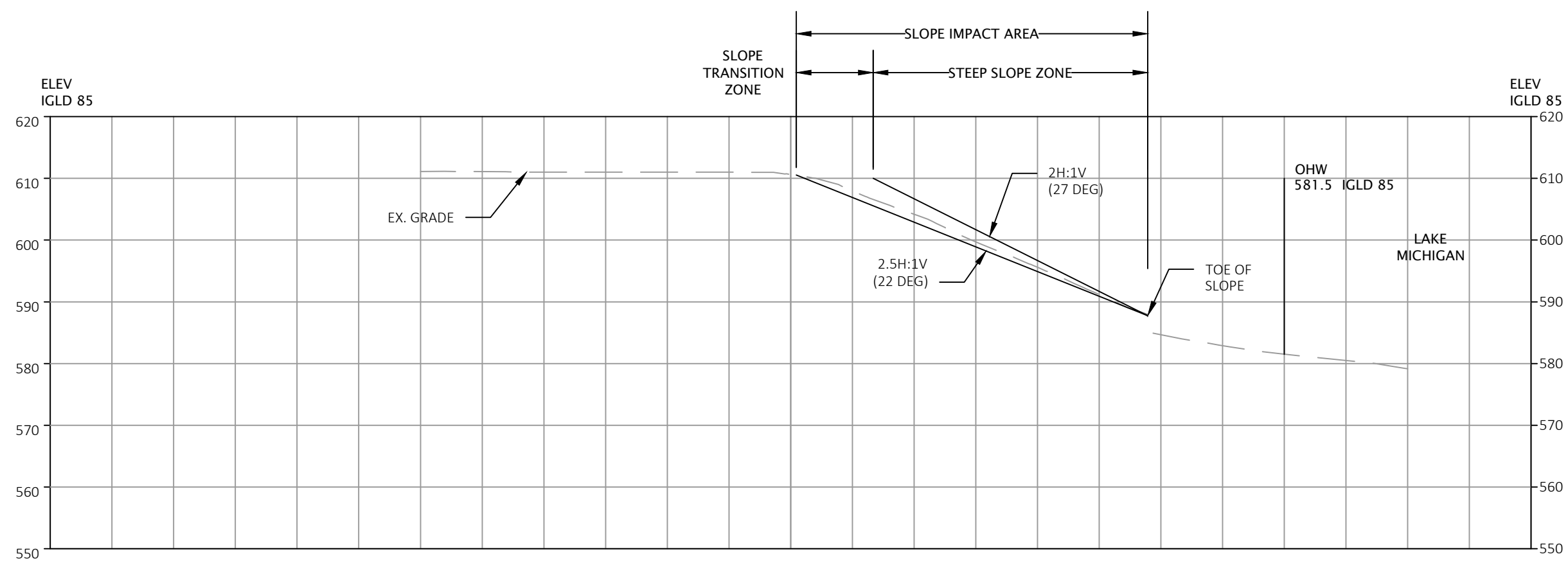
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Drawing Title

Sheet No.

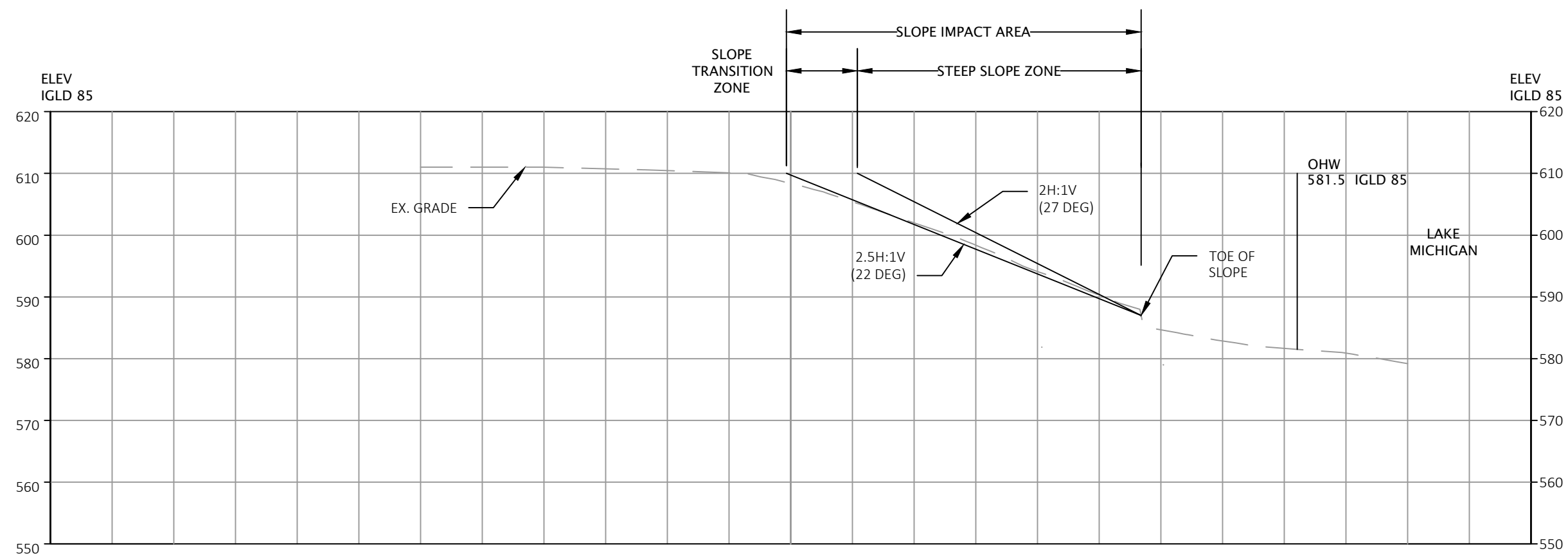
LEGEND	
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	TOP OF STEEP SLOPE ZONE
	TOP OF SLOPE TRANSITION AREA
	OHW 581.5 IGLD 85
	50' FRONT YARD SETBACK



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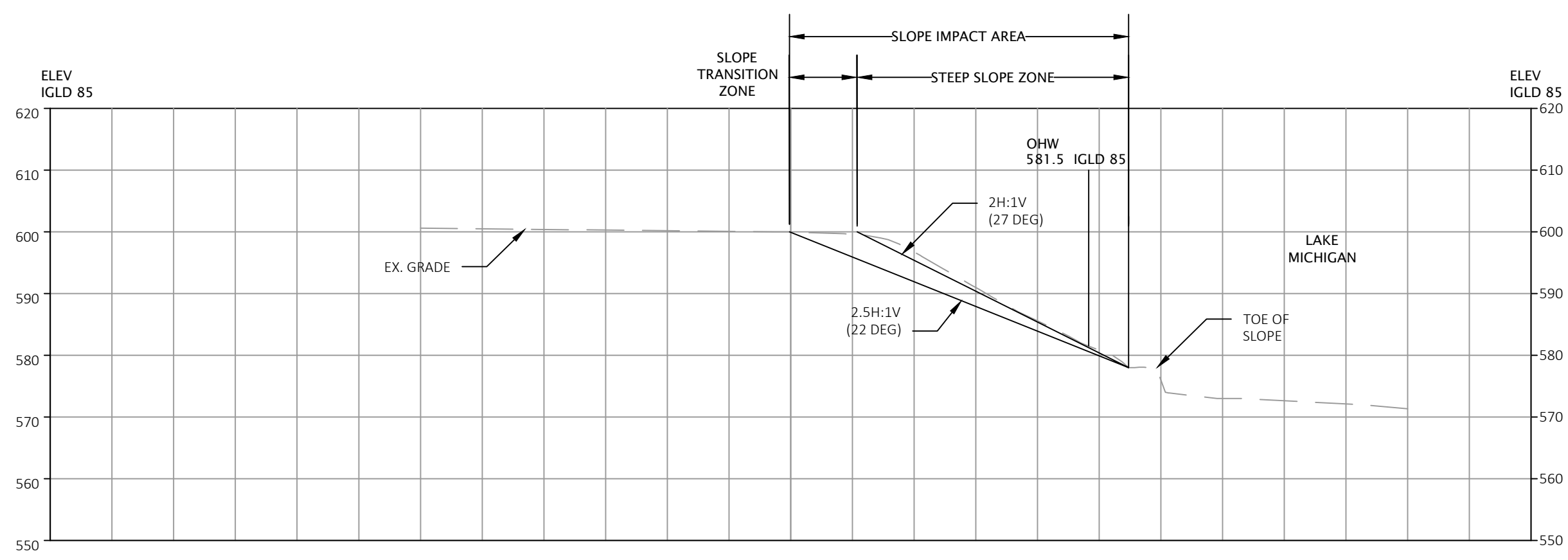
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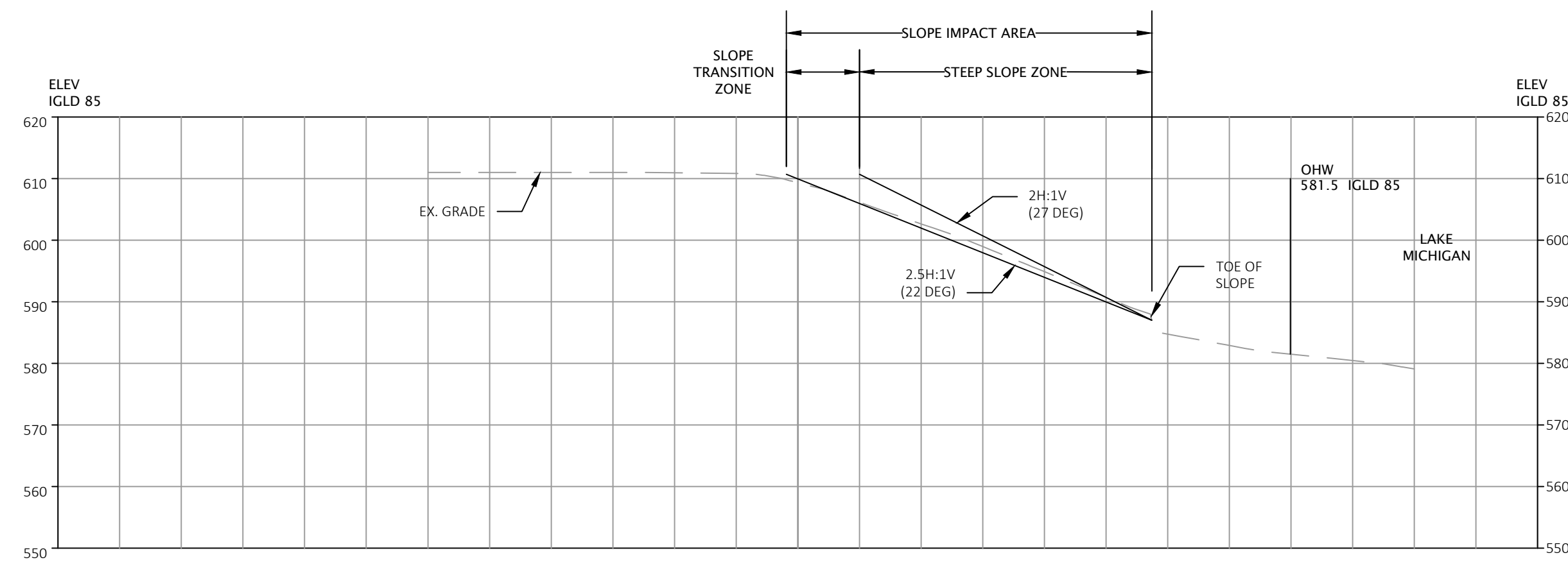
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STA 1+25

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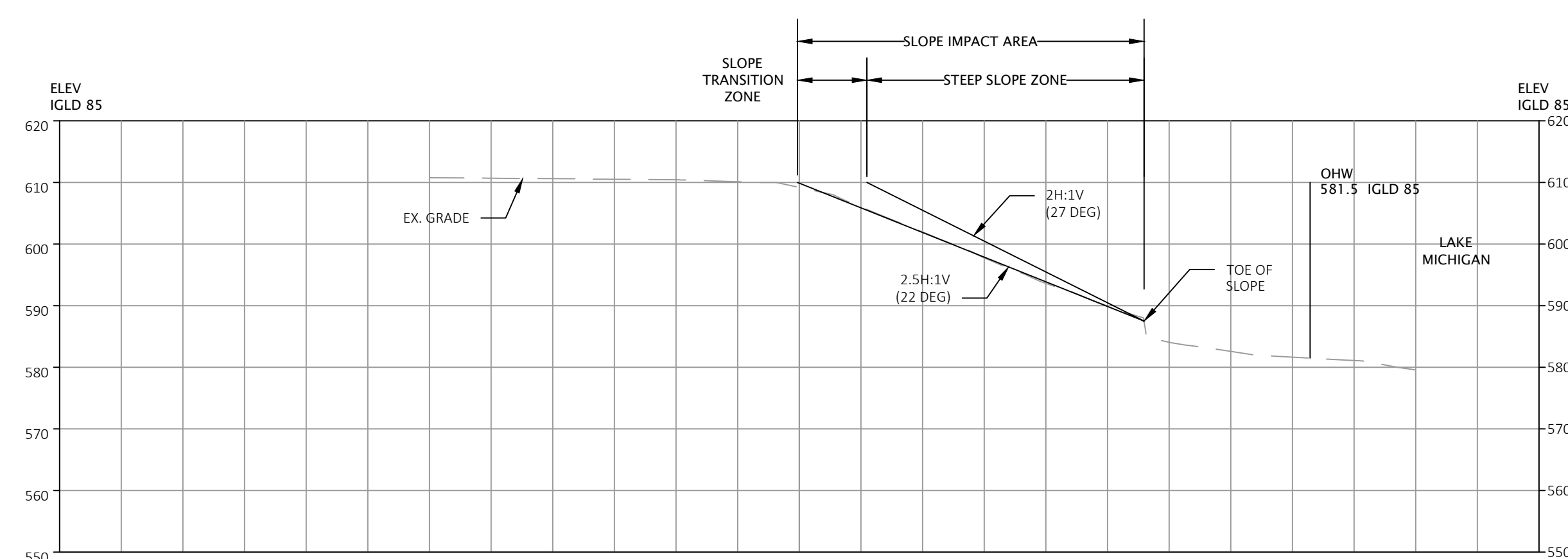
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STA 0+50

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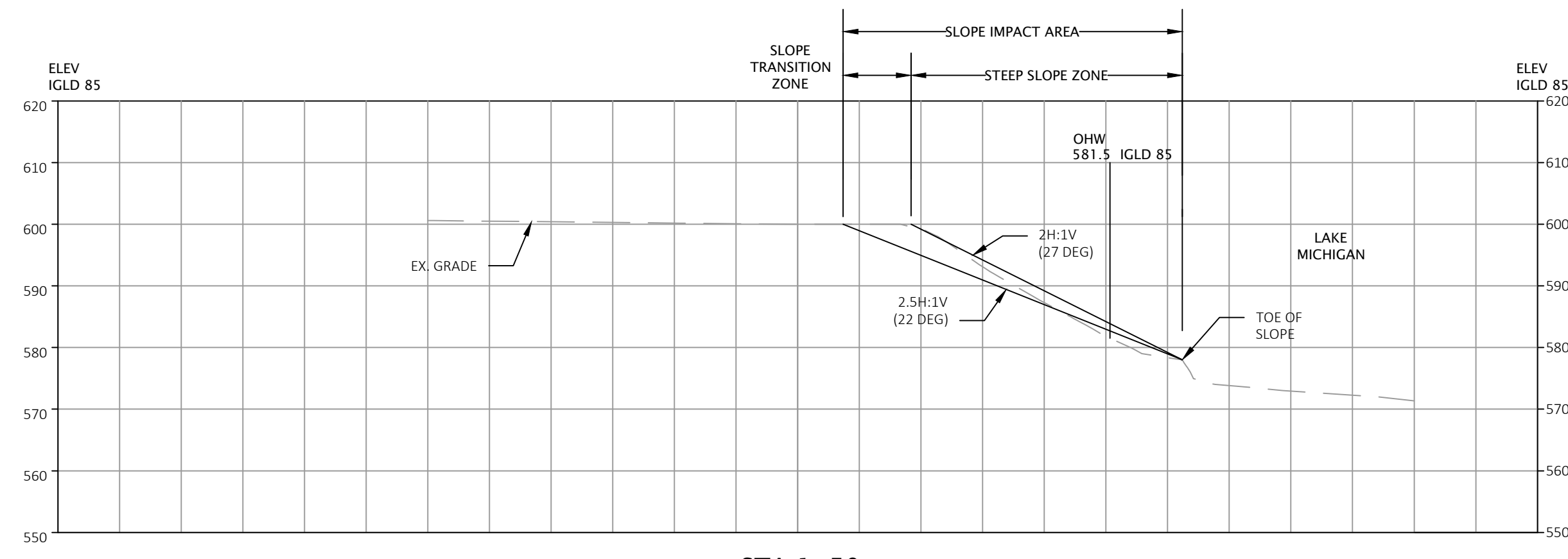
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STA 1+00

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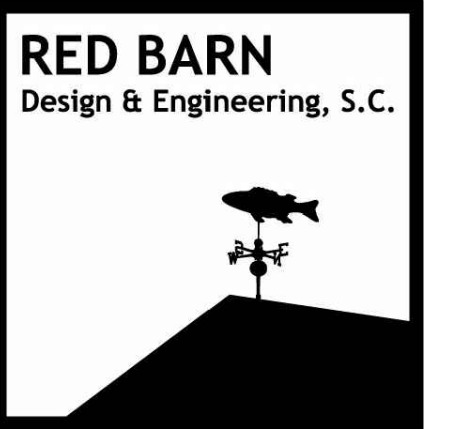
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STA 1+50

SCALE: H :  0' 10' 20'

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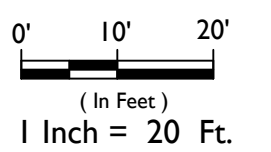
Project Title:

Site Improvements
Elder Lane Beach
Winnetka, IL

Prepared For:

Winnetka Park District
Winnetka, IL

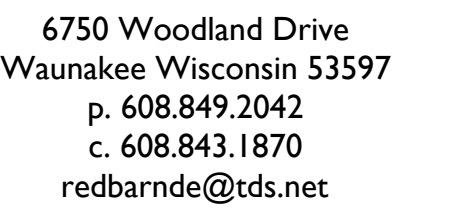
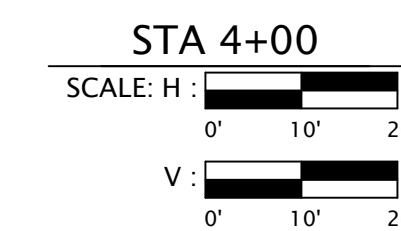
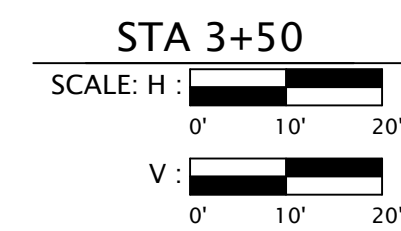
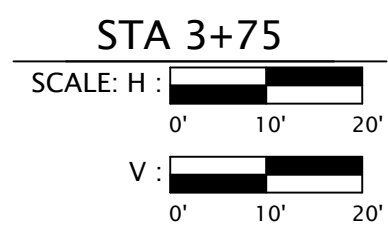
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Scale 1" = 20'

Drawing Title
Cross Sections

Sheet No. CS -3



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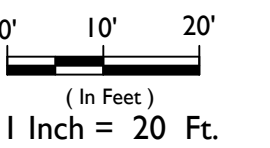
Project Title:

Site Improvements Elder Lane Beach Winnetka, IL

Prepared For:

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Scale 1" = 20'

Drawing Title
Cross Sections

Sheet No. CS -5

Code Section	Project Element	Requirement	Existing Condition	Proposed Improvement	Variance/Exception Required (yes/no)	Rational
Front and Corner Yard Setback Section 17.30.050 subsection	Elevated Boardwalk with Type A Handrail (Fencing) (elev. 588.2')	Development on lots abutting Lake Michigan between the ordinary high water mark of lake Michigan (581.5') and the table land as defined by section 17.82.020 will also comply with Chapter 17.82, Steep Slope, Regulations and Chapter 15.78 Lakefront Construction. For lots abutting lake Michigan, the required front yard setback is the toe of the bluff or 50 feet from the ordinary high water mark, whichever results in the line farthest from the ordinary high water mark. And Section 17.30.130 Obstructions in Required Yards or Court (10).	The existing sand contours vary from section to section ranging from 582' - 584' at different locations along the boardwalk.	The eastern edge of the proposed boardwalk is set a elevation at 588.2'. Based on the max elevation from the existing condition at the lowest point, the height difference including the 42" handrail is 9.7'. This is greater than the 6.5' allowable height for the frontward setback. This can be seen on the CS-2 of the cross sections drawings. Once the beach is nourished the total difference in height including the handrail will be 6.7'.	Yes, we are requesting a maximum variance of 3.2' for this section of the boardwalk.	Supplemental Shore Protection and structural support for the beach boardwalk, Type A handrails, accessible beach route and support access for life safety and maintenance equipment for the beach.
	Stone Groin (North)		The sand contours range from 584.0' to the OHWM at 851.5'	The stone groin is proposed at an elevation of 586' on the land side and tapers down to an elevation of 585.0' at the lakeward end. The highest differential from the structure to the OHWM is 4.5'.	No, not greater than 6.5' from existing conditions.	Supplemental Shore Protection
	Stone Groin (South)		The sand contours range from 584.0' to the OHWM at 851.5'	The stone groin is proposed at an elevation of 585' on the land side and tapers down to an elevation of 583.0' at the lakeward end. The highest differential from the structure to the OHWM is 3.5'.	No, not greater than 6.5' from existing conditions.	Supplemental Shore Protection
	ADA Beach Access Ramp		Existing Contours 582.0' - 583.0'	The ADA accessible beach access ramp ranges from 580.70' to 588.20', with a maximum height differential of 6.2' to the top of the ramp. Type B Handrails do not count in the overall height Measurement.	No, not greater than 6.5' from existing conditions.	ADA Universal Design.
	Beach Access Stair Swimming Beach		Existing Contours 583.0' - 584.0'	Access stair for the swimming beach is set at elevation of 580.3' and meets the boardwalk at an elevation of 588.20'. The Type B Handrail do not count in the overall height measurement.	No, not greater than 6.5' from existing conditions.	Site Connectivity, swimming beach access.
	Concrete ADA Access Ramp		Existing Contours 589.0' -596.0'	ADA accessible ramp from upper park table land to the proposed boardwalk. Proposed retaining wall maximum height within the 50' setback is 595.52' with a bottom of wall at 590.52' tapering down to 593.4' with a bottom of wall at 589.0'	No, not greater than 6.5' from existing conditions.	ADA Universal Design and site connectivity.
	Staircase to Park		Existing Contours 588.0' - 610.0'	Elevated access stair that is being installed on helical piles, that support a wooden sub structure, type A hand railings (42"), and a 5' wide lpe decked stair landings and treads.	No, the design width for the staircase is 5' and landings fall within the requirements for each zoning location.	Site Connectivity and secondary access to boardwalk and beach improvements.

	Concrete ADA Access Ramp and required retaining walls to support the ramp		The current bluff existing elevation ranges from 611.0' down to 594.0' within the Slope Impact Area.	The proposed 10' walkway starts at the upper park table land and contours down to the bluff to the 50' front yard setback as noted in Chapter 17.30.050 Front and Corner Yard Setbacks. We are proposing a 10' wide accessible ramp for to allow access for beach users, life safety, and maintenance equipment to access the beach. To accomplish this, we are proposing to install retaining walls on both the upslope side and down slope side of the access ramp to support the bluff and grade.	The Park District is looking for exception of this improvement from the Slope Impact Area, to allow for the accessible connection to the Centennial Beach Level amenities.	ADA Universal Design and site connectivity.
Development in Steep Slope Zone Section 17.82.040	Staircase to Park	Proposed improvements must meet the requirements for Ordinance No. MC-01-2024, Steep Slope Area Along Lake Michigan and required Zoning Requirements as noted in Section 17.82.040.	Existing Contours 588.0' - 610.0'	Elevated access stair that is being installed on helical piles, that support a wooden sub structure, type A hand railings (42"), and a 5' wide lpe decked stair landings and treads. The upper walkway would be considered a deck since it is just under 200 sq.ft. in total size.	No, but the design will need to be reviewed by the Village's Engineering Department for review of the structural components, stormwater and vegetation.	Site Connectivity and access to beach house, boardwalk and beach improvements.
	Access Drive		Existing Contours 590.0' - 612.0'	Access drive for access to beach, beach house, boardwalk for life safety, maintenance equipment, and pedestrians. The access drive is being widened to 16.5' curb to curb with a max slope of 16% for a short section, with the majority either at 7% or less. There is a retaining wall which is being proposed on the upslope side for the drive to allow for these grades.	No, if it meets the review requirements of the Village of Winnetka Engineering Department. Since this width of the new access drive is wider than the existing access drive, we called out this element for review based on the need for larger retaining walls and backfilling for the retaining wall as best practice. We are confident the design of this improvement will meet the Village Engineer's review, but if it does not, we would be looking for a exception for this improvement within the slop impact area.	Site Connectivity and vehicle and equipment access to beach house, boardwalk and beach improvements.