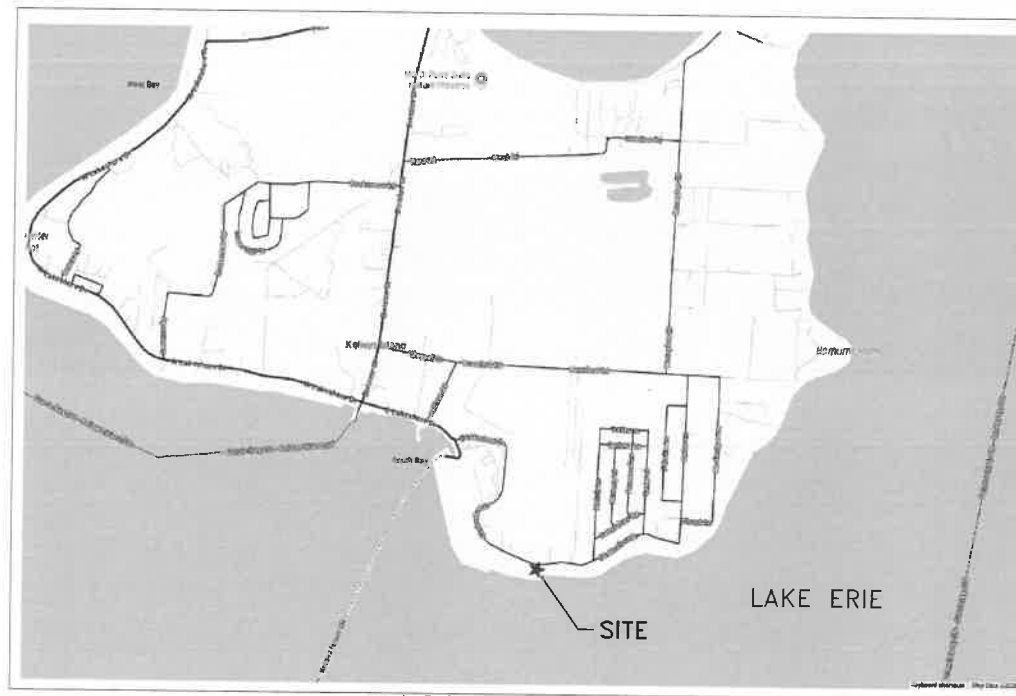


SHORE STRUCTURE PLANS FOR GREENE PROJECT 705 E. LAKESHORE DRIVE

VILLAGE OF KELLEYS ISLAND

IN
COUNTY OF ERIE

STATE OF OHIO



 **LOCATION MAP**
NOT TO SCALE

OWNER:

DAVID GREENE
3458 GRANGER ROAD
MEDINA, OH 44256

DRAWING INDEX

TITLE SHEET
EXISTING SURVEY
PROPOSED PLAN
PROPOSED SECTION
SUBMERGED LANDS LEASE PLAT
CRIB PIER DETAILS
CONCRETE PIER DETAILS
CONCRETE PIER DETAILS

EN-1
EN-2
EN-3
EN-4
EN-5
EN-6
EN-7
EN-8

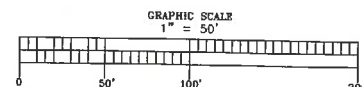
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www.engineeredtechnical.com

ISSUE	DATE	DESCRIPTION
PRELIM	09-21-26	REVIEW

DWG. NO.:
EN-1
ISSUE:
PRELIM

1. ALL ELEVATIONS REFERENCE IGLD 1985
2. ALL SAND AND GRAVEL LOCATED BELOW THE PROPOSED FILL MATERIAL SHALL BE EXCAVATED AND SIDECAST INTO THE LITTORAL DRIFT IN LESS THAN THREE FEET OF WATER EITHER IMMEDIATELY EAST OR LEAKWARD OF THE PROJECT.
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REVISIONS:
19-19-26

1"=30'

SCALE:

PROJECT: GREENE PROJECT
705 E. LAKESHORE DRIVE

LOCATION: KELLEYS ISLAND, OH 43438

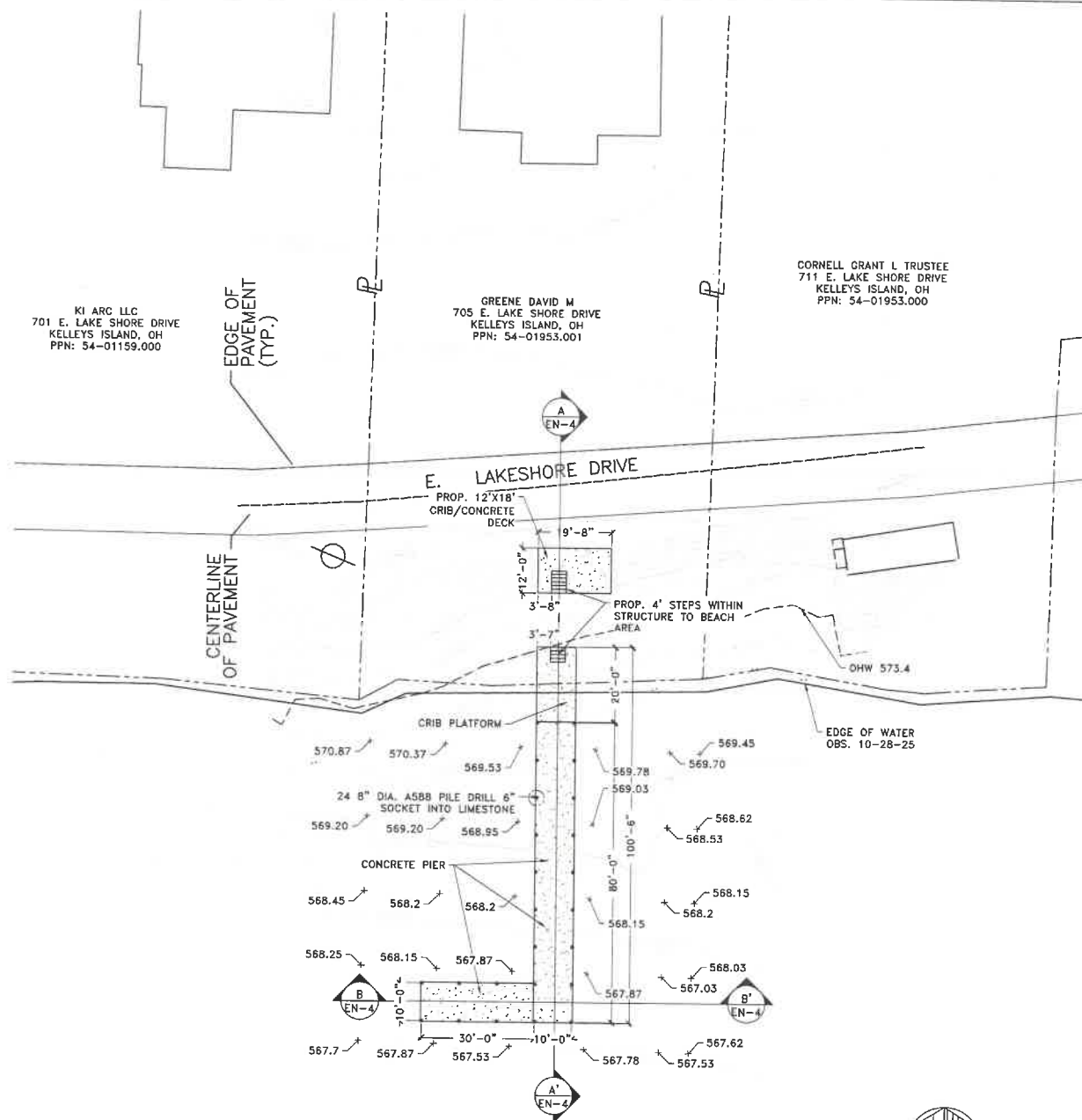
DWG. TITLE:

DWG. NO.:
EN-2

ISSUE:
PRELIM

GENERAL NOTES:

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ERRORS & OMISSIONS:

IF ANY ERRORS OR OMISSIONS APPEAR ON THE DRAWINGS THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER OR ENGINEER/ARCHITECT IN WRITING OF SUCH ERRORS OR OMISSIONS. THE DRAWINGS ARE A GUIDE, ANY WORK NOT INDICATED IN DRAWINGS, BUT NECESSARY TO COMPLETE THE ENTIRE WORK SHALL BE FURNISHED, PERFORMED, AND DONE AS IF THE SAME WERE INDICATED IN THE CONSTRUCTION DOCUMENTS. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER/ARCHITECT IMMEDIATELY OF ANY CONFLICTS.

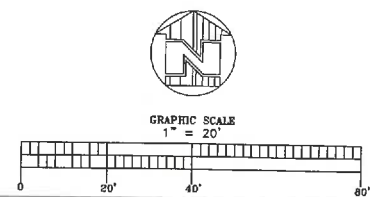
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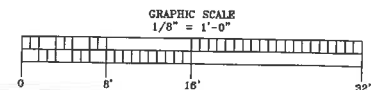
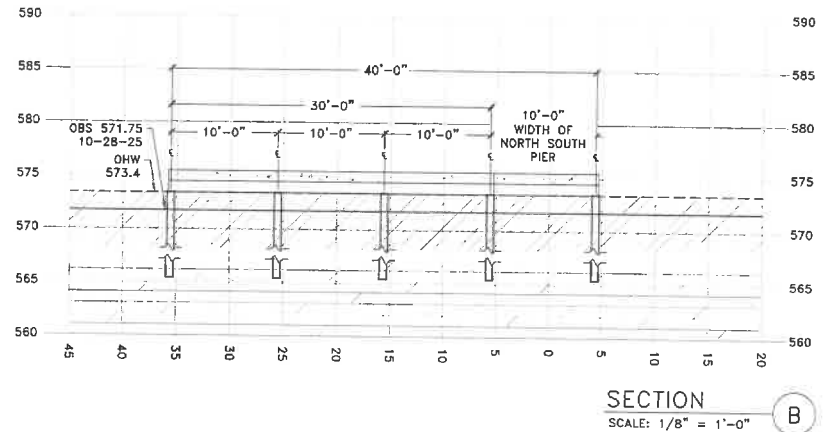
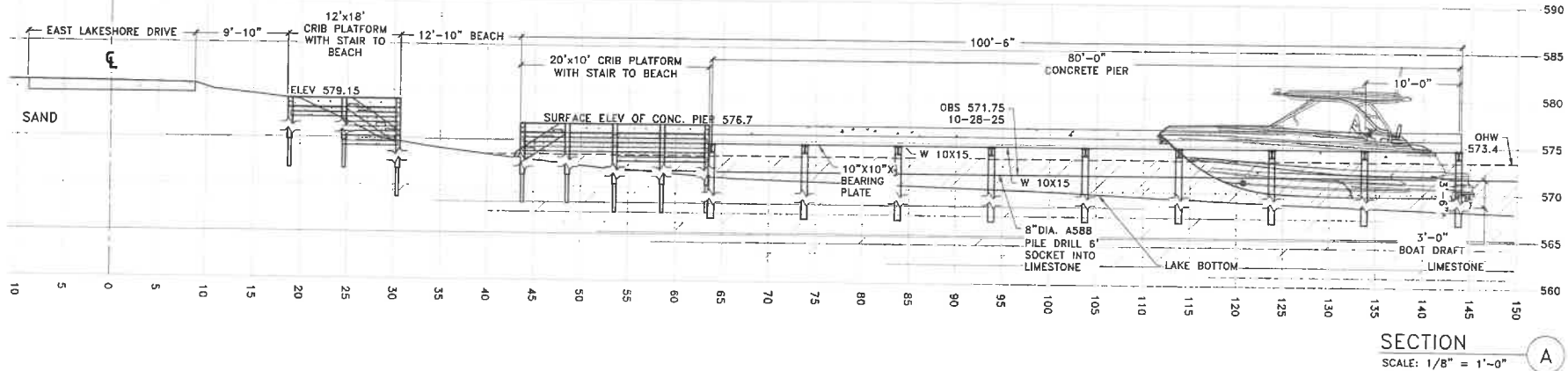
REVISIONS:
07-21-18
07-30-18
09-21-20
09-28-20
1" = 20'
SCALE:
DATE:
DRAWN BY: E.M./J.E.
CHECKED BY: P.J.S.

PROJECT:
GREENE PROJECT
705 E. LAKESHORE DRIVE
LOCATION:
KELLEYS ISLAND, OH 43438

DWG. TITLE:
PROPOSED PLAN

DWG. NO.:
EN-3
ISSUE:
PRELIM





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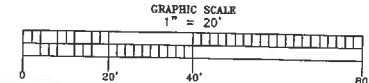
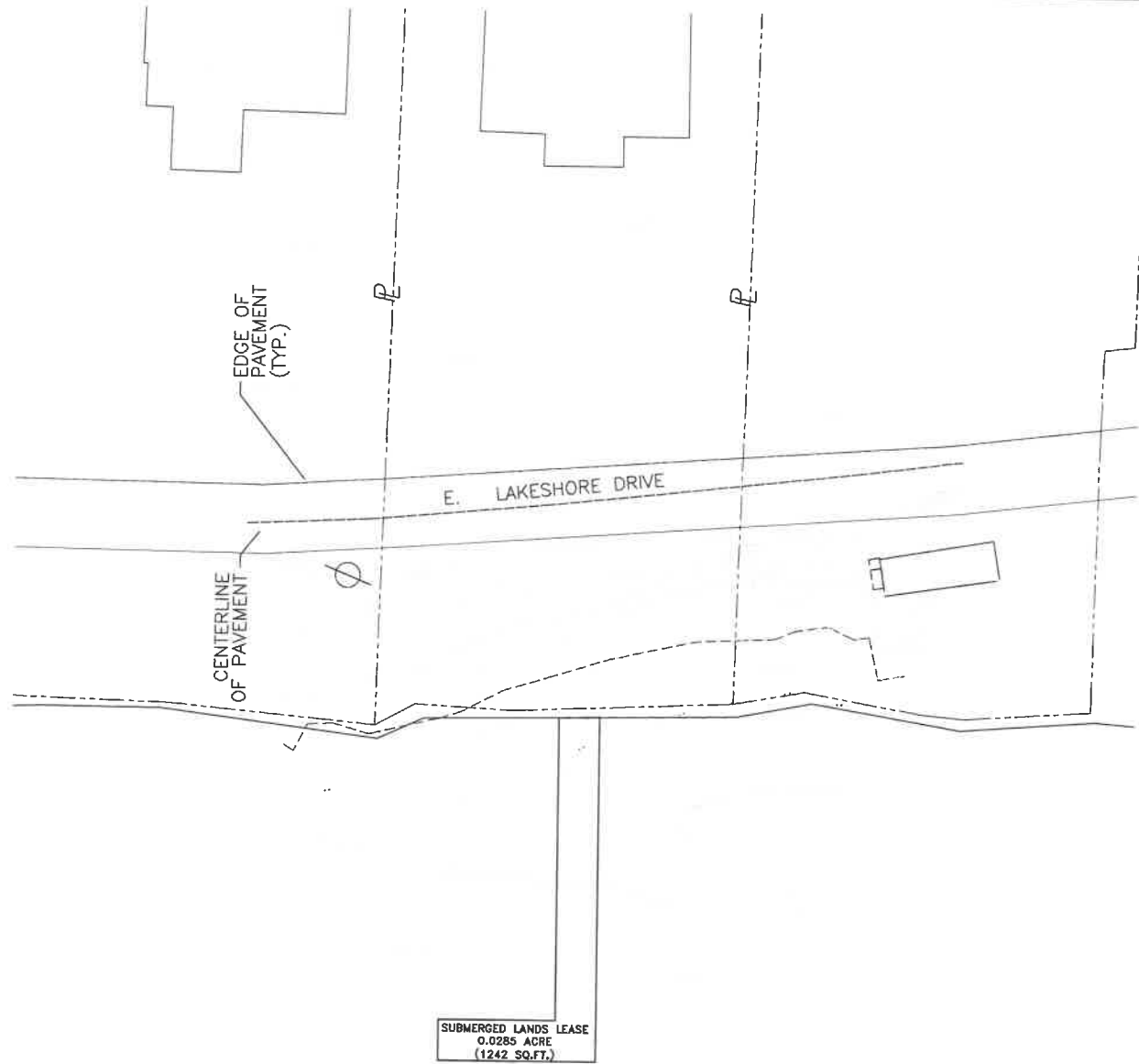
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PROJECT: GREENE PROJECT
705 E. LAKESHORE DRIVE
LOCATION: KELLEYS ISLAND, OH 43438
REVISIONS:
07-10-26
09-18-26
09-18-26
SCALE: 1/8" = 1'-0"
DATE: 09-21-26
DRAWN BY: E.M.
CHECKED BY: P.J.S.

DWG. TITLE: PROPOSED SECTIONS

DWG. NO.: EN-4
ISSUE: PRELIM

ERRORS & OMISSIONS:
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PROJECT: GREENE PROJECT
 705 E. LAKESHORE DRIVE
 LOCATION: KELLEYS ISLAND, OH 43438

SCALE: 1" = 20'
 DATE: 09-21-26
 DRAWN BY: J.A.L.
 CHECKED BY: J.A.S.

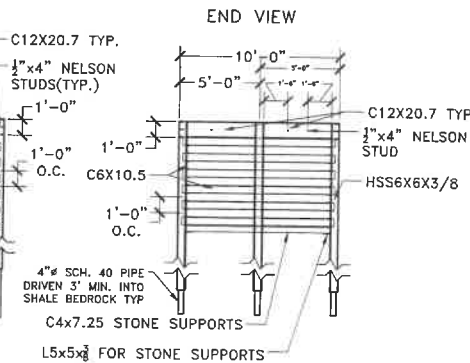
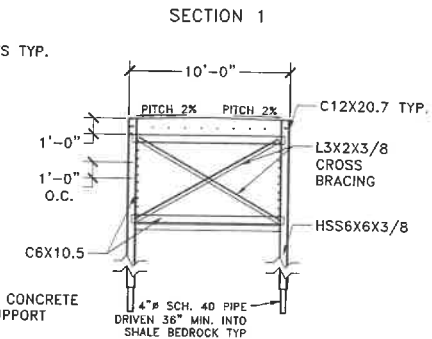
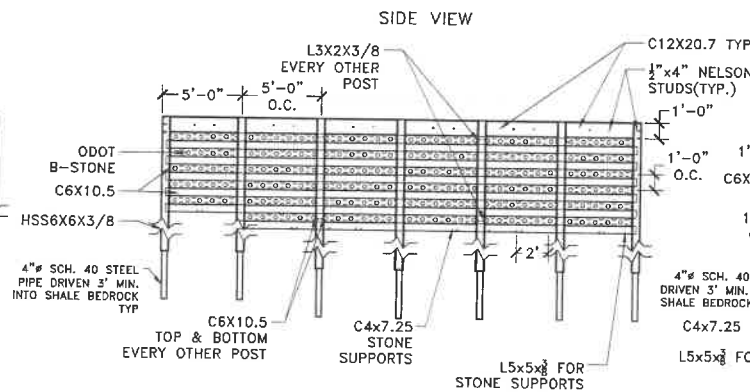
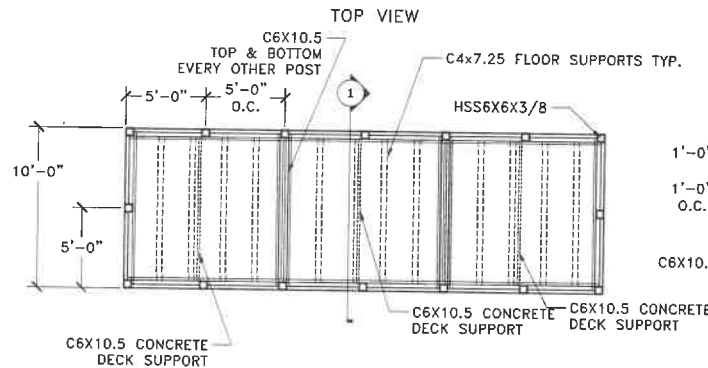
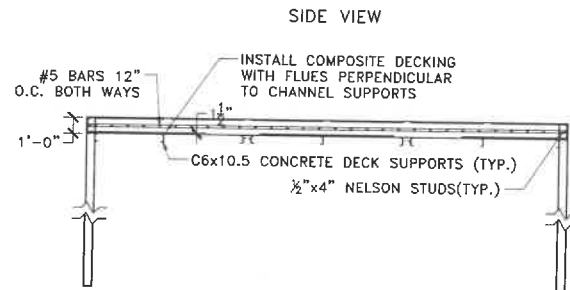
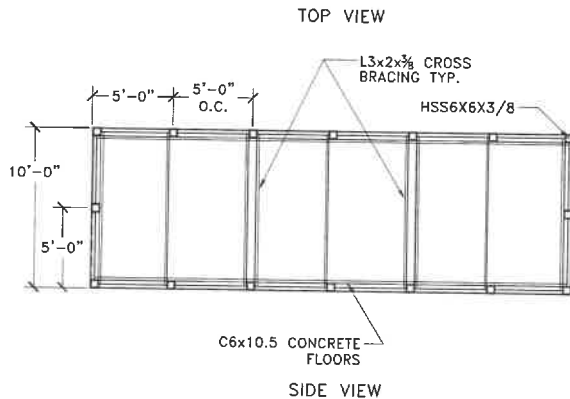
REVISIONS:
 09-21-26

DWG. TITLE:
 SUBMERGED LANDS
 LEASE PLAN

DWG. NO.: EN-5
 ISSUE: PRELIM

12" CONCRETE W/ 1 1/2"X18 GA COMPOSITE DECKING DETAILS

CRIB PIER DETAILS



CONCRETE SPECIFICATIONS

1. CONCRETE SHALL BE PRODUCED WITH TYPE 1 PORTLAND CEMENT CONFORMING TO ASTM-C150.
2. FINE AGGREGATE SHALL CONSIST OF NATURAL OR MANUFACTURED SAND, CLEAN, HARD, DURABLE PARTICLES CONFORMING TO ASTM-C33.
3. COARSE AGGREGATE SHALL CONSIST OF CRUSHED GRAVEL OR CRUSHED STONE OF HARD DURABLE PARTICLES CONFORMING TO ASTM-C33.
4. MIXING WATER SHALL BE CLEAN, FRESH AND POTABLE.
5. THE CONCRETE MIX DESIGN SHALL CONSISTENTLY PRODUCE CONCRETE HAVING A 28 DAY STRENGTH OF 4000 PSI.
6. CONCRETE MIXTURES SHALL COMPLY WITH THE FOLLOWING CODES AND STANDARDS:
 - 6.a. ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE
 - 6.b. ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE
 - 6.c. ASTM-C94 STANDARD SPECIFICATIONS FOR READY-MIXED CONCRETE
7. CONCRETE SURFACES SUBJECTED TO FREEZING AND THAWING CYCLES SHALL CONTAIN AN AIR ENTRAINMENT OF 6%± 1% AIR ENTRAINING ADMIXTURE SHALL CONFORM TO ASTM-C260.
8. CURING OF CONCRETE MAY BE OBTAINED BY APPLYING A LIQUID MEMBRANE CURING COMPOUND MEETING THE REQUIREMENTS OF ASTM-C309 OR BY APPLYING A MOISTURE COVER APPROVED BY THE ENGINEER.
9. CALCIUM CHLORIDE SHALL NOT BE USED.
10. NO CONTROL JOINTS (SAW CUT OR HAND TOOLED) SHALL BE DONE UNLESS OTHERWISE SPECIFIED.
11. CONCRETE MUST BE DISCHARGED AND PLACED WITHIN 90 MINUTES AFTER WATER IS ADDED TO THE MIX.
12. EXPANSION JOINTS SHALL BE 1/2" WIDE WITH FILLER MEETING ASTM-D1751 SPECIFICATIONS.

NOTES

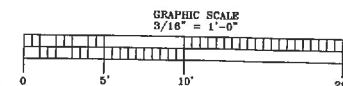
1. REINFORCE CONCRETE CAP WITH #5 REBAR SPACED AT 12" LONGITUDINAL AND TRANSVERSE DIRECTIONS. ALLOW 2" OF COVER OVER ALL REBAR.
2. EXTEND VERTICAL PILE 4" INTO CONCRETE CAP.
3. ALL CONNECTIONS FULLY WELDED WITH 1/2" FILLET.
4. FILL ANY EXISTING TRENCH WITH ODOT 601 TYPE "B" STONE.
5. DRIVE PILES MINIMUM 36" INTO SHALE BEDROCK.
6. CONNECT CRIBS WITH 4"x1" BOLTS THROUGH STEEL PILES AND TUBES.

CONCRETE REINFORCING SPECIFICATIONS

1. REINFORCING STEEL BARS SHALL BE GRADE 60 AND COMPLY WITH ASTM-A615.
2. WELDED WIRE REINFORCEMENT (WIRE FABRIC) SHALL MEET THE SPECIFICATIONS OF ASTM-A1064/A1064M.
3. REINFORCING BARS SHALL BE INSTALLED IN ACCORDANCE WITH CRSI MANUAL OF STANDARD PRACTICE.
4. SPLICING OF BARS SHALL COMPLY WITH THE REQUIREMENTS OF ACI-328.
5. STEEL TIE WIRE SHALL CONFORM TO ASTM-A1064/A1064M.

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REVISIONS:
02-20-26
08-03-26
09-18-26
3/16"=1'-0"
SCALE: DATE: DRAWN BY: CHECKED BY: P.J.S.

PROJECT: GREENE PROJECT
705 E. LAKESHORE DRIVE
LOCATION: KELLEY'S ISLAND, OH 43438

DWG. TITLE: CRIB PIER DETAILS

DWG. NO.: EN-6
ISSUE: PRELIM

E. LAKE SHORE DRIVE

A
EN-4

NATURAL SHORELINE BASED ON 2020 AERIAL

CRIB PIER

DETAIL 1 TYP.

CONCRETE PIER

B
EN-4

A'
EN-4

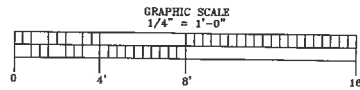
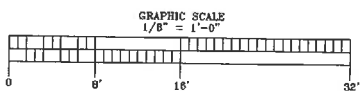
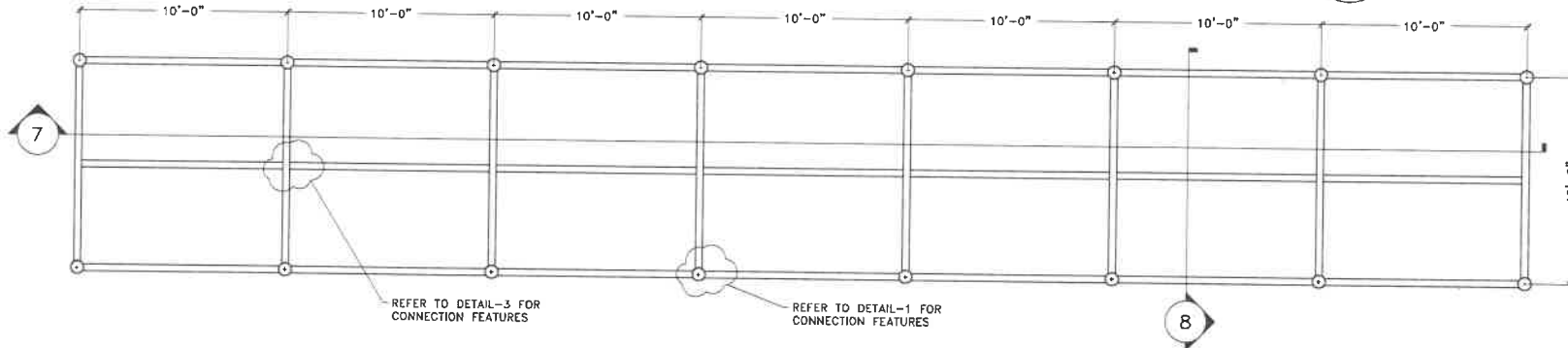
LAKE ERIE

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PILE PLAN
SCALE: 1/8" = 1'-0"



PIER CHANNEL PLAN
SCALE: 1/4" = 1'-0"

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PROJECT: GREENE PROJECT
705 E. LAKE SHORE DRIVE
LOCATION: KELLEYS ISLAND, OH 43438
DWG. NO.: EN-7
ISSUE: PRELIM

REVISIONS:
01-10-26 09-04-26
08-03-26 09-16-26
08-08-26 09-16-26
08-31-26 09-16-26
09-04-26

AS SHOWN
09-21-26
DATE: 09-21-26
DRAWN BY: J.S./M.S.
CHECKED BY: P.J.S.

DWG. TITLE:
CONCRETE PIER
DETAILS

PCL XL error

Error:
Operator:
Position:

IllegalOperatorSequence
0xc0
480818