

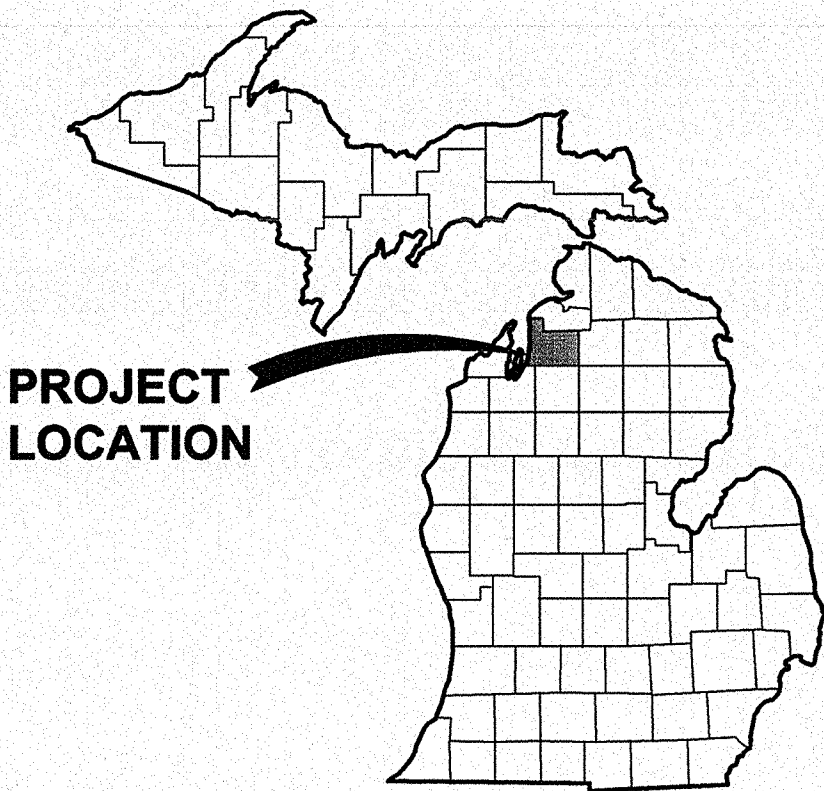
CONSTRUCTION PLANS

FOR

DAM BEACH AND FISHING PARK RESTROOM

MNRTF Grant #TF17-0110

ELK RAPIDS TOWNSHIP, ANTRIM COUNTY, MICHIGAN



PROJECT LOCATION

VICINITY MAP
NOT TO SCALE

OWNER

VILLAGE OF ELK RAPIDS, MI
P.O. BOX 398

315 BRIDGE STREET

ELK RAPIDS, MI 49629

CONTACT: CAROLINE KENNEDY / ASSISTANT VILLAGE MANAGER AND CLERK
PH: 231.264.9971 | FAX: 231.264.9274

LANDSCAPE ARCHITECT / ENGINEER

GOSLING CZUBAK ENGINEERING SCIENCES, INC.

1280 BUSINESS PARK DRIVE

TRAVERSE CITY, MICHIGAN, 49606-8607

231.946.9191 • 800.968.1062

www.goslingczubak.com info@goslingczubak.com



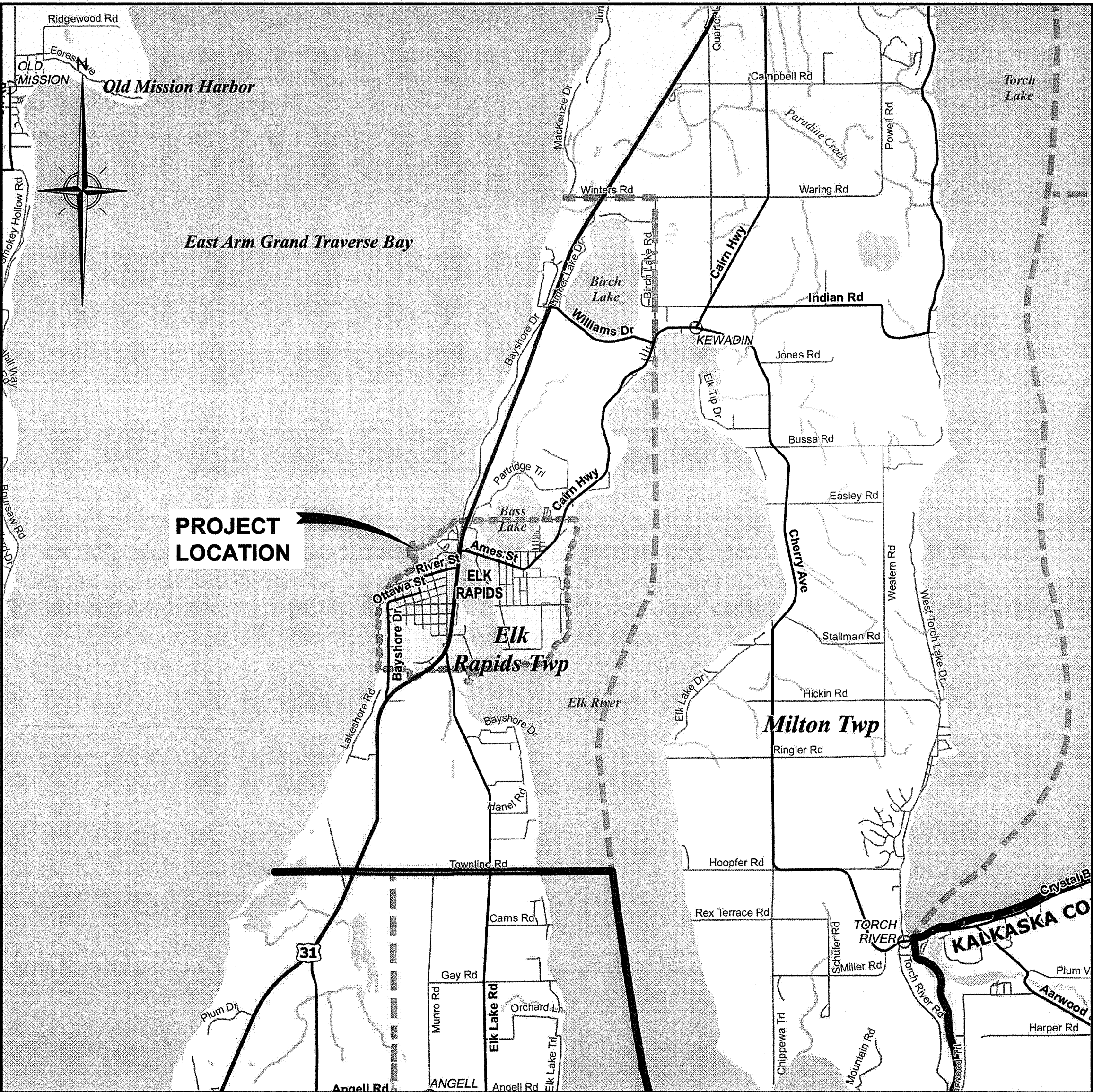
Klaus D. Gosling
ME #1247

UTILITY CONTACTS

NAME OF OWNER	TYPE OF UTILITY
DTE ENERGY 609 BJORNSON RD. BIG RAPIDS, MI 49307 231.592.3244 CONTACT: LARRY BOURKE	GAS
CONSUMER'S ENERGY 821 HASTINGS TRAVERSE CITY, MI 49606 231.929.6265 CONTACT: CURTIS HANSEN	ELECTRIC
CHARTER COMMUNICATIONS 1392 TRADE CENTRE DR TRAVERSE CITY, MI 49606 231.941.3819 CONTACT: DAN BIELACZYK	CABLE TV
AT&T 142 E. STATE STREET TRAVERSE CITY, MI 49604 248.454.2995 CONTACT: TAMERA HARDIN	TELEPHONE
VILLAGE OF ELK RAPIDS 315 BRIDGE STREET P.O. BOX 398 ELK RAPIDS, MI 49629 231.264.9971 CONTACT: BRAD KLUCZYNSKI	SEWER & WATER



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PROJECT LOCATION

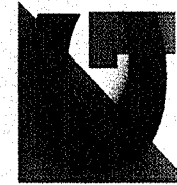
LOCATION MAP
NOT TO SCALE

SHEET INDEX

- S1 OVERALL SITE LAYOUT & UTILITIES
- S2 SITE ENLARGEMENT
- D1 SITE CONSTRUCTION DETAILS
- D2 SITE CONSTRUCTION DETAILS
- A1 BUILDING DETAILS (PERFORMANCE SPECS)
- A2 FLOOR PLAN AND PERSPECTIVE

DAM BEACH AND FISHING PARK RESTROOM

Gosling Czubak
Engineering Sciences, Inc.
1280 Business Park Drive
Traverse City, Michigan
231.946.9191
www.goslingczubak.com



Issue Date
10-30-2018

Project No.
2018483001.01

Sheet
C1



**CIVIL ENGINEERING
SURVEYING
ENVIRONMENTAL SERVICES
GEOTECHNICAL
CONSTRUCTION SERVICES
DRILLING
LANDSCAPE ARCHITECTURE**

No.	Date	Revision	By
01	04/24/2018	INITIAL SHEET LAYOUT	NTS
02	07/24/2018	REDLINES (KOH 07/23/2018)	DAW
03	07/26/2018	REDLINES (KOH 07/25/2018)	DAW
04	09/04/2018	UPDATE EASEMENT	ERP

**OVERALL SITE LAYOUT & UTILITIES
DAM BEACH AND FISHING PARK RESTROOM
VILLAGE OF ELK RAPIDS**

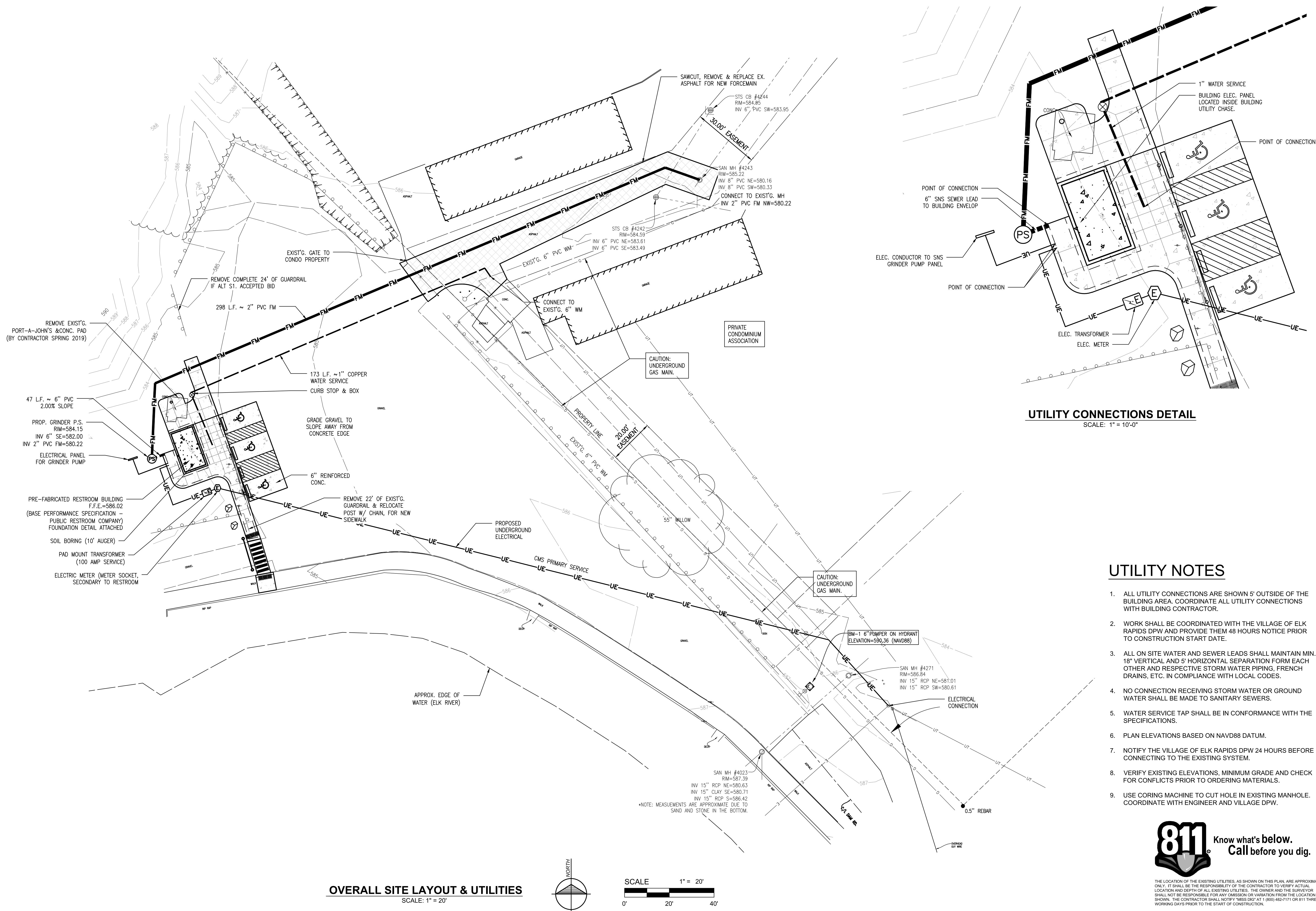
Date Issued:	10-30-2018
Date Surveyed:	06-01-18
Designed By:	KSK
Drawn By:	KSK
Checked By:	KDH
Scale:	AS NOTED

Location:
PART OF SECTION 21
T 29N, R 09W
ELK RAPIDS TOWNSHIP
ANTRIM COUNTY
MICHIGAN

Project Number:
2018483001.01

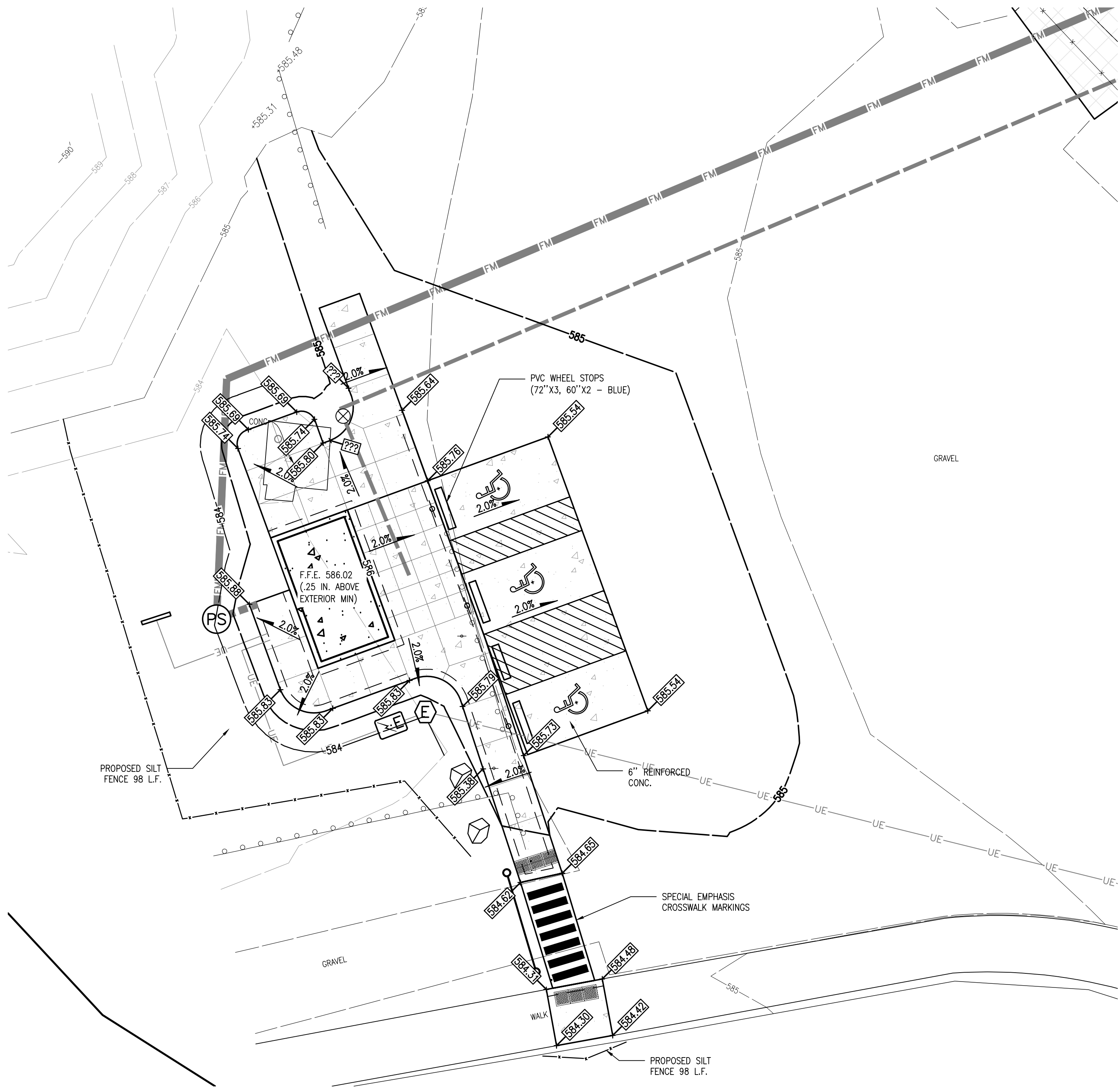
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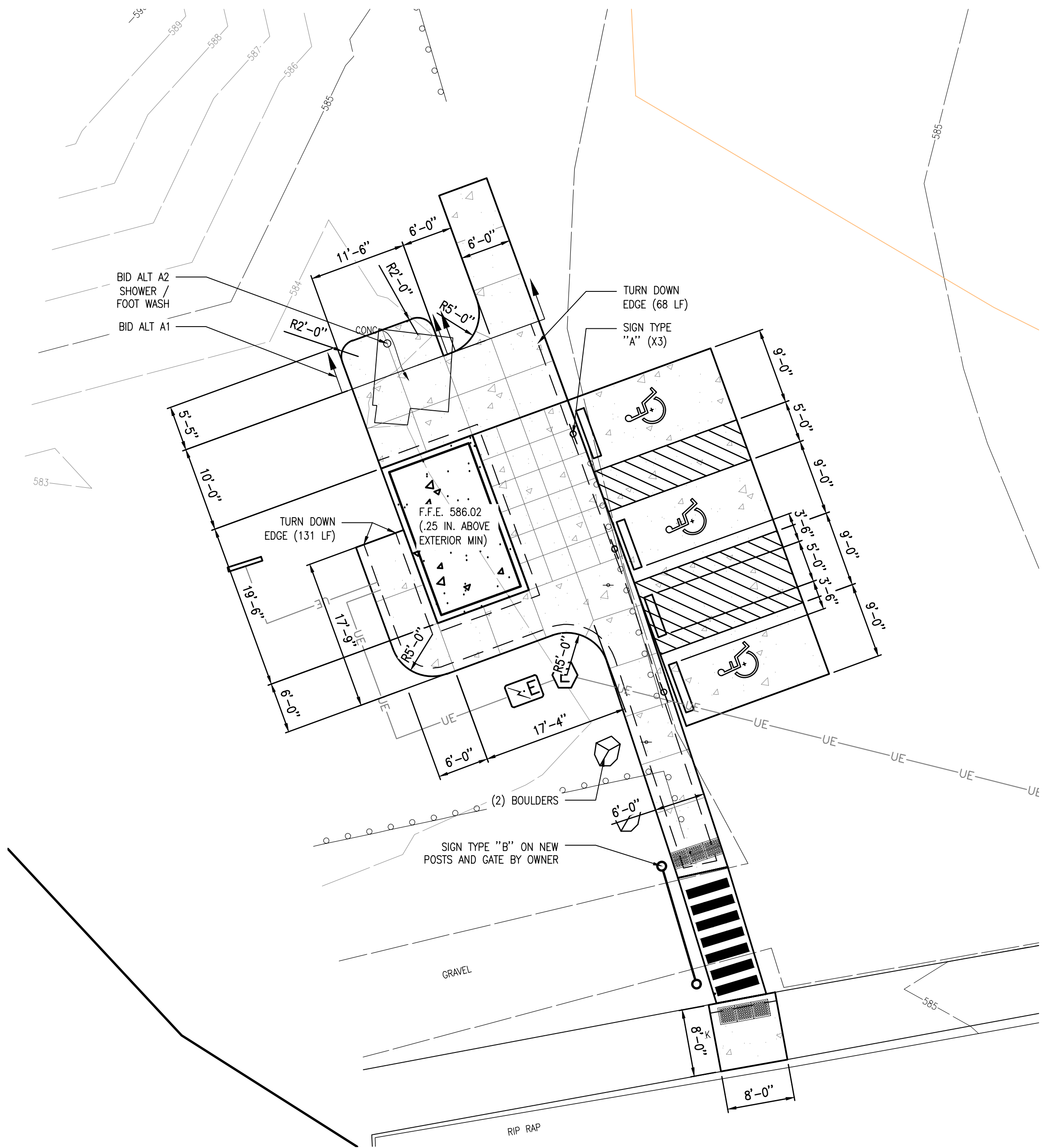
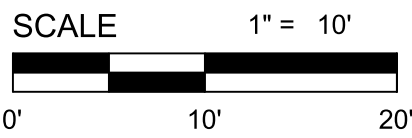
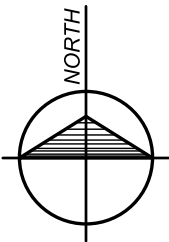


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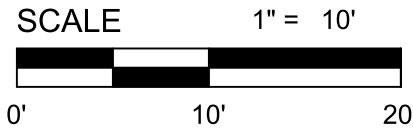
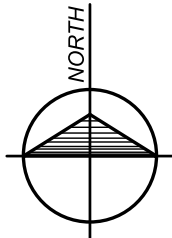
THE LOCATION OF THE EXISTING UTILITIES, AS SHOWN ON THIS PLAN, ARE APPROXIMATE ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY ACTUAL LOCATION AND DEPTH OF ALL EXISTING UTILITIES. THE OWNER AND THE SURVEYOR SHALL NOT BE RESPONSIBLE FOR ANY OMISSION OR VARIATION FROM THE LOCATION SHOWN. THE CONTRACTOR SHALL NOTIFY "MISS DIG" AT 1 (800) 482-7171 OR 811 THREE (3) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION.



GRADING ENLARGEMENT
SCALE: 1" = 10'



LAYOUT ENLARGMENT
SCALE: 1" = 10'



LAYOUT / GRADING NOTES

- CONSTRUCTION STAKING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ELEVATIONS SHOWN ARE BASED ON NAVD 88.
- INSTALL MULCH BLANKET ON ALL SLOPE GREATER THAN 3:1.
- POINT ELEVATIONS IN SIDEWALK AND HANDICAP PARKING SPACES ARE FINISHED GRADE OF CONCRETE UNLESS OTHERWISE NOTED.
- SITE CONTRACTOR SHALL COORDINATE INSTALLATION OF ALL SLEEVES NECESSARY FOR IRRIGATION AND SITE ELECTRICAL DISTRIBUTION - SLEEVES LOCATIONS ON THE PLANS ARE APPROXIMATE AND ARE THE MINIMUM REQUIRED.
- SITWORK CONTRACTOR IS RESPONSIBLE FOR ROUGH GRADING OF SITE, TOPSOIL PLACEMENT, FINAL GRADING, SEEDING, HYDROSEEDING AND PLACEMENT OF MULCH BLANKET ON SLOPES GREATER THAN 3:1 TO MEET S.E.S.C GUIDELINES AND PERMIT DIRECTIVES.
- THE CONTRACTOR WILL SUPPLY THE NECESSARY TRAFFIC CONTROL DEVICES, SIGNS, SIGNALS, LIGHTING DEVICES, MARKINGS, BARRICADES, CHANNELING, AND HAND SIGNAL DEVICES TO PROPERLY SIGN THE JOB AS PERMITTED.



Know what's below.
Call before you dig.

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03	07-26-2018	REDLINES (KDH 07-25-2018)	DAW
02	07-24-2018	REDLINES (KDH 07-23-2018)	DAW
01	04-24-2018	INITIAL SHEET LAYOUT	NTS

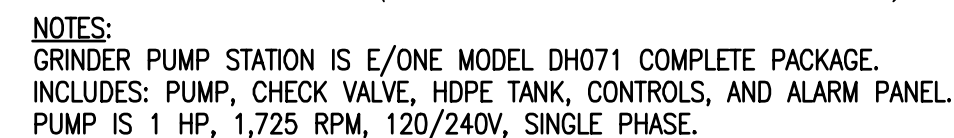
**SITE ENLARGEMENT
DAM BEACH AND FISHING PARK RESTROOM
VILLAGE OF ELK RAPIDS**

Date Issued: 10-30-2018
Date Surveyed: 06-01-18
Designed By: KSK
Drawn By: KSK
Checked By: KDH
Scale: AS NOTED

Original sheet size is 22x34
Location: PART OF SECTION 21
T 29N, R 09W
ELK RAPIDS TOWNSHIP
ANTRIM COUNTY
MICHIGAN

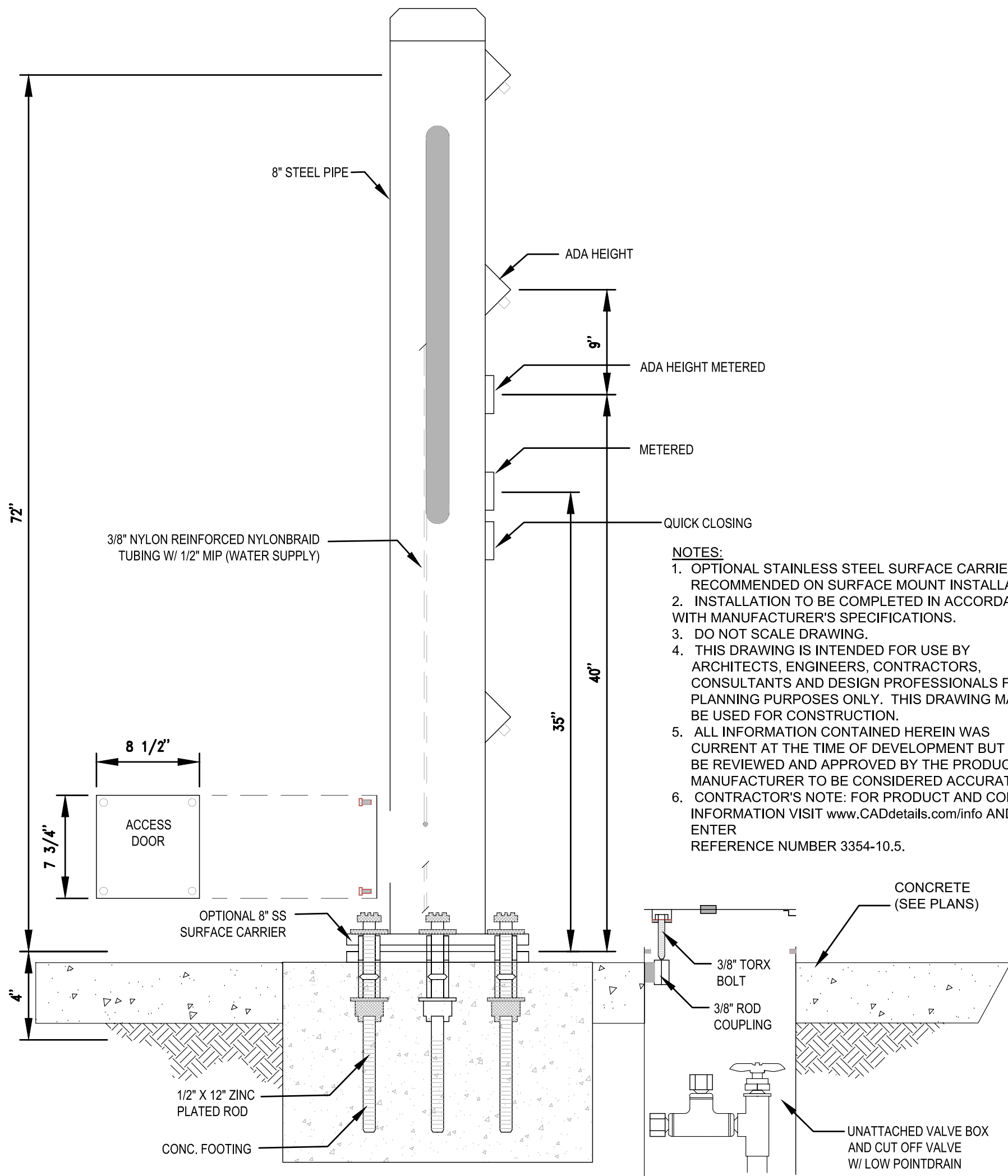
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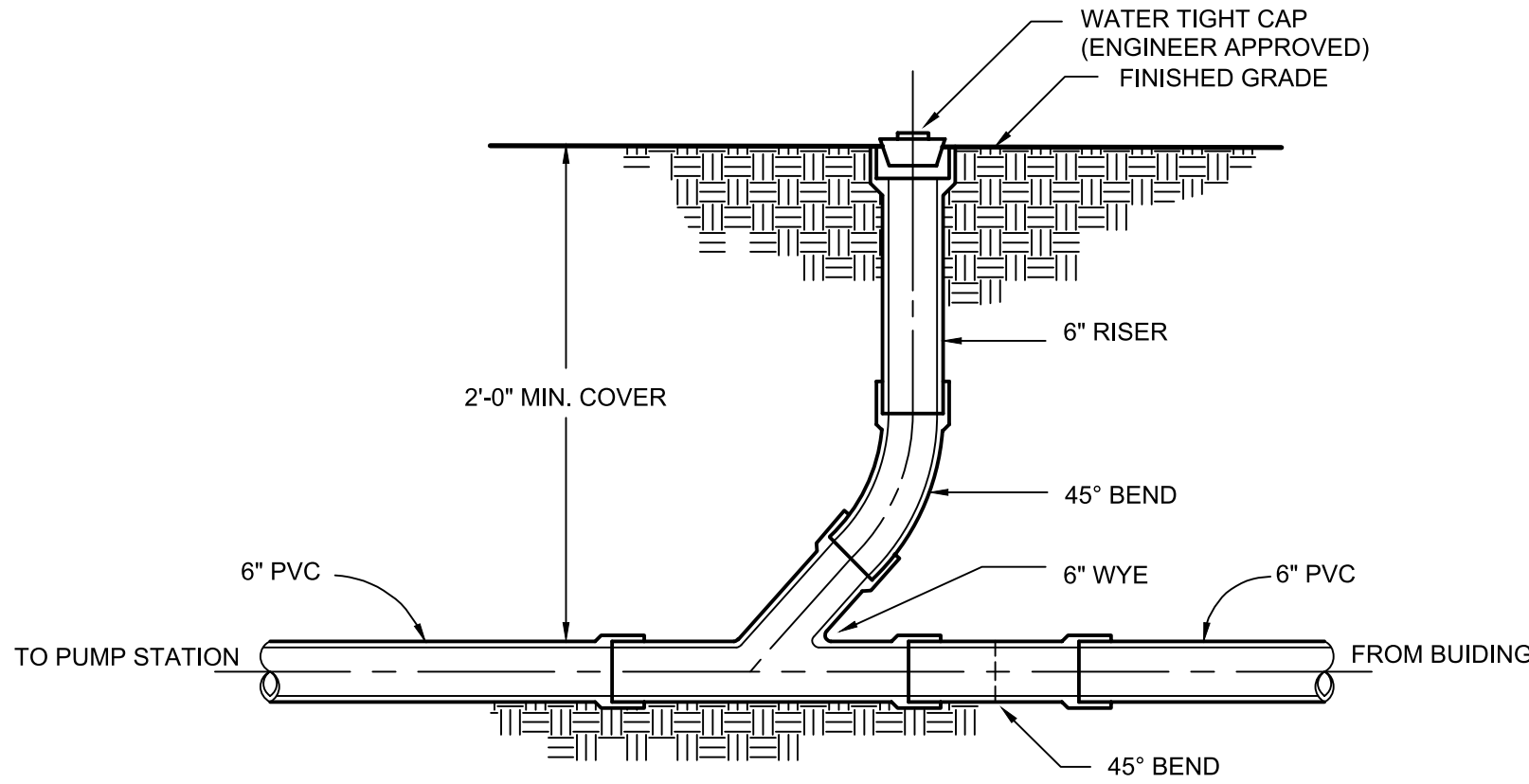
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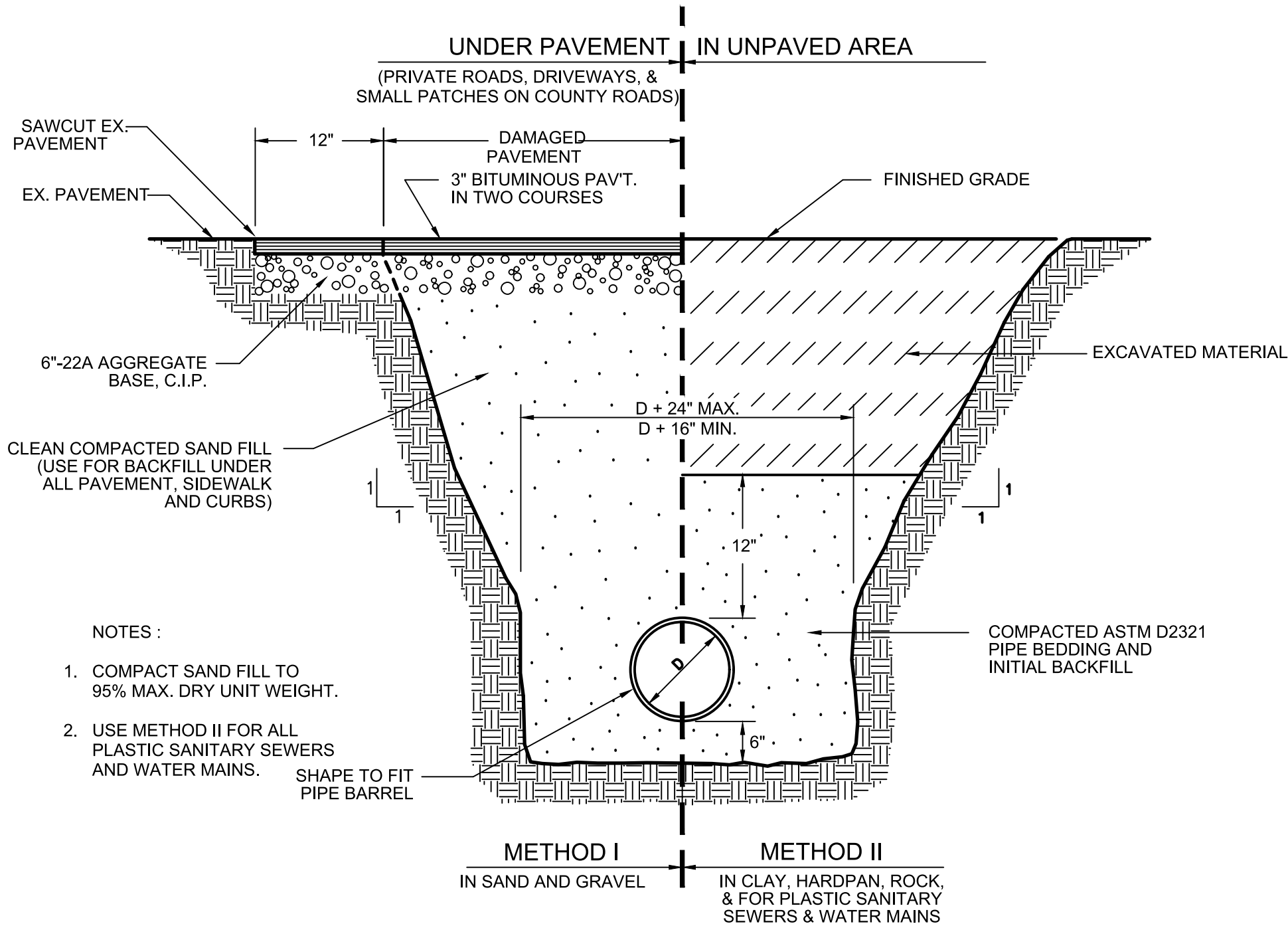
MODEL 565SMADA
500SM SHOWN WITH OPTIONAL 8" SS SURFACE CARRIER

FOOTWASH / SHOWER DETAIL "BID ALT A2"
NOT TO SCALE

- NOTES:
1. OPTIONAL STAINLESS STEEL SURFACE CARRIER RECOMMENDED ON SURFACE MOUNT INSTALLATIONS.
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 3. DO NOT SCALE DRAWING.
 4. THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
 5. ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
 6. CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info AND ENTER REFERENCE NUMBER 3354-10.5.



WYE AND CLEAN-OUT DETAIL
NOT TO SCALE



TRENCH DETAIL
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SITE CONSTRUCTION DETAILS
DAM BEACH AND FISHING PARK RESTROOM
VILLAGE OF ELK RAPIDS

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Sheet:
D2

Diagram illustrating the foundation slab layout and dimensions:

- Overall Dimensions:**
 - Width: 20'-0" BUILDING FOUNDATION LIMIT (9' on each side)
 - Length: 18'-6" BUILDING SLAB LIMIT (9' on each end)
- Foundation Preparation:** FOUNDATION PREPARATION BY OWNER / GENERAL CONTRACTOR
- Utility Trench:** 4'-0" UTILITY TRENCH
- Ground Boxes:** ALL UTILITY GROUND BOXES 6" MAX FROM BUILDING FINAL LOCATION (S, E, W)
- Soil Requirements:** REQUIRED ALLOWABLE SOIL BEARING PRESSURE = 1500 PSF; FIELD VERIFIED BY OTHERS

SEE GENERAL SITE CONDITION LIABILITY NOTE ON " PAD PREPARATION RESPONSIBILITY" PAGE

*** CHANGE ORDER IS REQUIRED.**

- 1/2" EXPANSION JOINT ADHERED TO BUILDING SLAB W/ FAST DRY EPOXY & SEAL WITH BEAD OF SL-1
- SIDEWALK BY OTHERS (NOT PRC) 1% SLOPE AWAY FROM BLDG.
- (B)
- SIDEWALK EXTERIOR SIDE FLUSH TO ENTRY
- CONNECTION TO FOUNDATION BY PRC
- 8" PRE-CAST SLAB
- FACTORY SUPPLIED BLDG. CONCRETE SLAB
- 9"
- 3"
- 42" DEPTH REQUIREMENT
- SIDEWALK BASE BY OTHERS (NOT PRC)
- ENGINEERED FILL OR NATIVE SOIL COMPACTED TO 95% MODIFIED PROCTOR DENSITY
- SIZE & DEPTH OF PIPE SLEEVE TO BE DETERMINED BY OWNER OR GEN.CONTRACTOR COORDINATED WITH PRC (-24" MIN.-36" MAX. TOP IS PRC'S TYPICAL SEWER DEPTH REQUIREMENT)
- 2500#PSI FOUNDATION BY OTHERS (NOT PRC)
- 1' - 6"
- COARSE MASON SAND
- TRENCH AS PER REQUIRED UTILITY DEPTH
- ENGINEERED FILL OR NATIVE SOIL COMPACTED TO 95% MODIFIED PROCTOR DENSITY
- #4 CONT. T&B

SEE GENERAL SITE CONDITION LIABILITY NOTE ON "PAD / FOUNDATION PREP. RESPONSIBILITY" PAGE

19'-4" (ROOF OVERALL)

18'-0" (BUILDING)

7'-0" 4'-0" 7'-0"

18'-6" (SLAB OVERALL)

1'-6" 8'-0" (BUILDING)

10'-2" (ROOF OVERALL)

ACC/ RR ALL GENDER

UTILITY CHASE

ELEC PANEL

DRINKING FOUNTAIN W/ DRINKING FOUNTAIN

BC

ACC/ RR ALL GENDER

BC

1

2

FLOOR PLAN

SCALE: 3/16"=1'-0"

ELEVATION 1
SCALE: 3/16"=1'-0"

ELEVATION 2
SCALE: 3/16"=1'-0"

ELEVATION 2
SCALE: 3/16"=1'-0"

ANGLE CONNECTION BRACKET
(SEE DETAIL - C)

1" DIA. x 3" BOLT INTO COUPLER
NUT WELDED TO FLOOR
PERIMETER

8" PRE-CAST SLAB

5 1/2"

FACORY SUPPLIED BLDG.
CONCRETE SLAB

3/4" x 5 1/2" MIN. WEDGE ANCHOR
(SIMPSON WEDGE ALL OR
EQUAL) - MIN. 4" EMBEDMENT

CONCRETE FOOTING
(ON-SITE - BY OTHERS)

1" - 6"

**SEE GENERAL SITE CONDITION LIABILITY NOTE ON
"PAD / FOUNDATION PREP RESPONSIBILITY" PAGE**

TOP VIEW

Dimensions: 1' - 0" (total width), 6" (inner width), 2 1/2" (height), 7/8" DIA. HOLE FOR WEDGE ANCHORS.

FRONT VIEW

Dimensions: 1' - 4" (total width), 1' - 0" (inner width), 6" (height), 3 3/4" (thickness), 1 1/4" DIA. SLOTTED HOLE FOR 1" BOLTS.

SIDE VIEW

Dimensions: 2 1/2" (height), 3 3/4" (thickness), 6" (width), STEEL ANGLE.

**SEE GENERAL SITE CONDITION LIABILITY NOTE ON
"PAD / FOUNDATION PREP RESPONSIBILITY" PAGE**

DAM BEACH & FISHING BEACH

ELK RAPIDS, MICHIGAN

RESTROOM BUILDING

PROJECT REF#: 9333B-8/21/2018-0-OPT.2



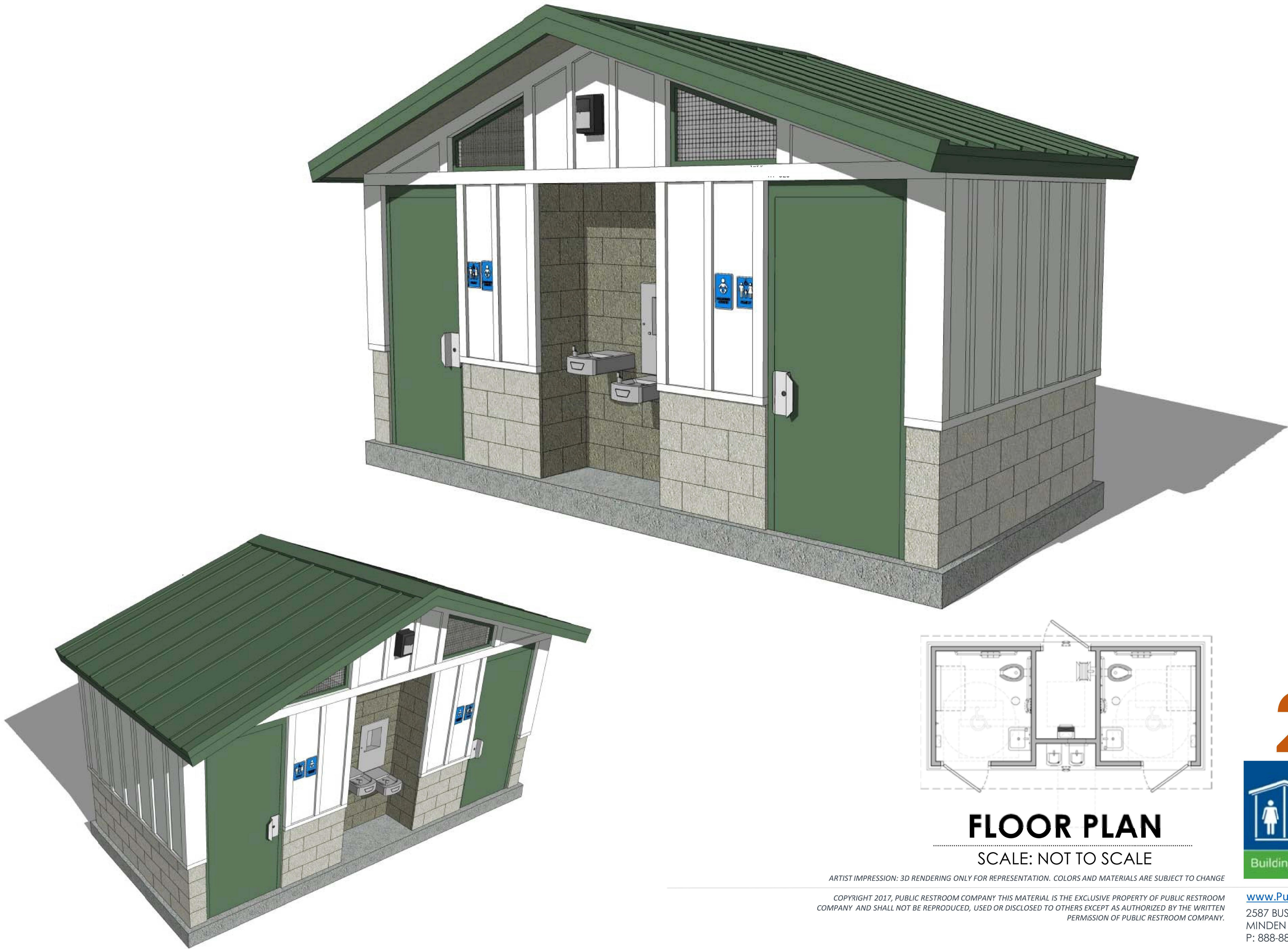
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FLOOR PLAN AND PERSPECTIVE
DAM BEACH AND FISHING PARK RESTROOM
VILLAGE OF ELK RAPIDS

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