G001

IN COOPERATION WITH MICHIGAN DEPARTMENT OF NATURAL RESOURCES TRUST FUND GRANT PROGRAM

FOR ELBERTA LAKE MICHIGAN BEACH IMPROVEMENT PROJECT **APRIL 2023**

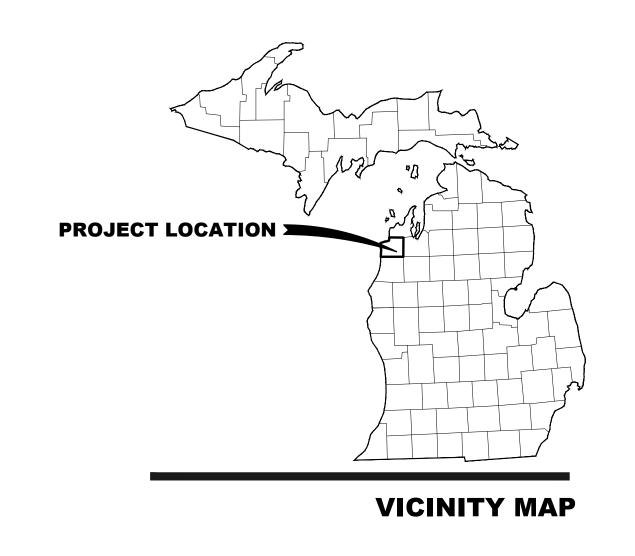
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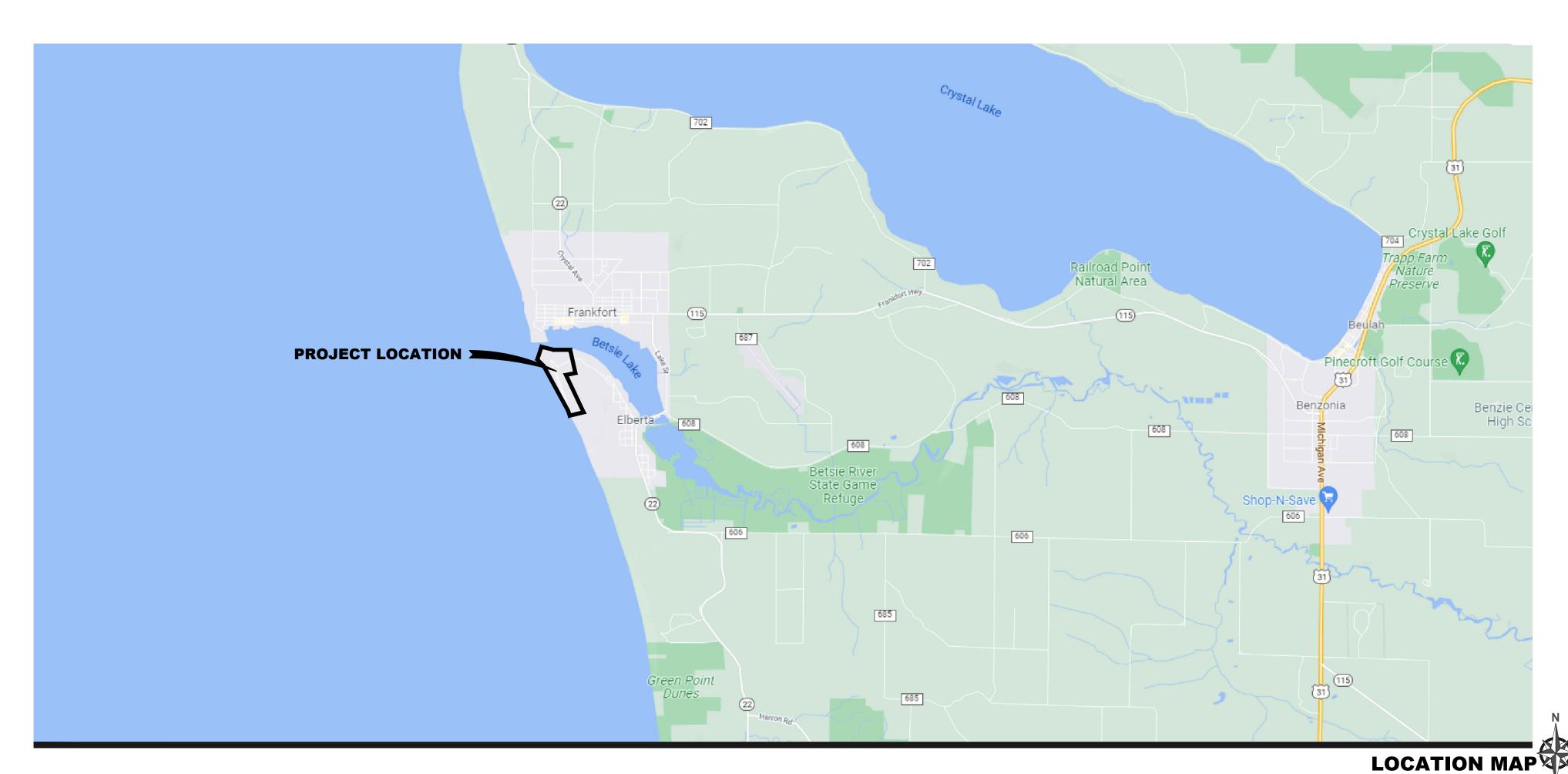
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VILLAGE OF ELBERTA

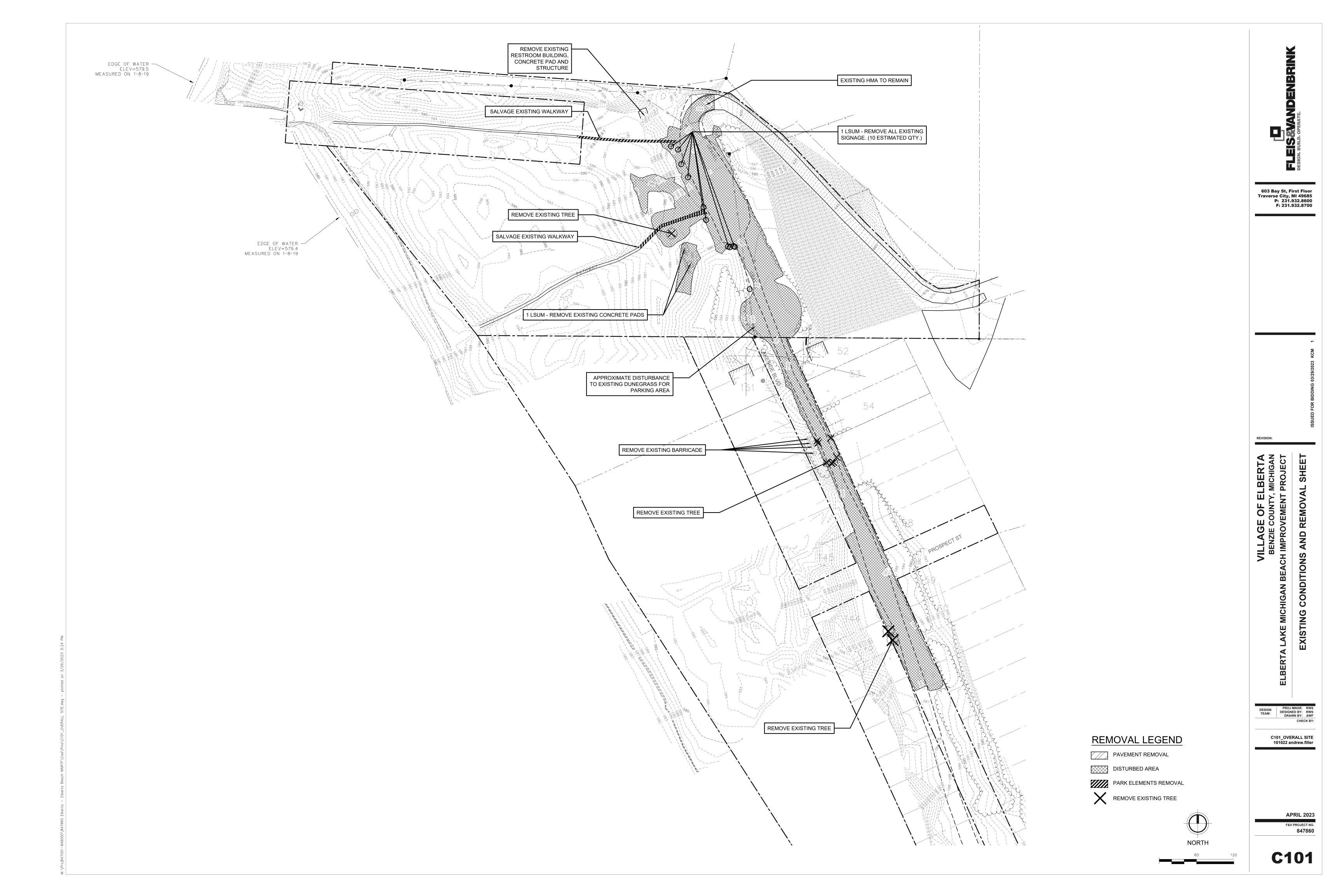
BENZIE COUNTY, MICHIGAN

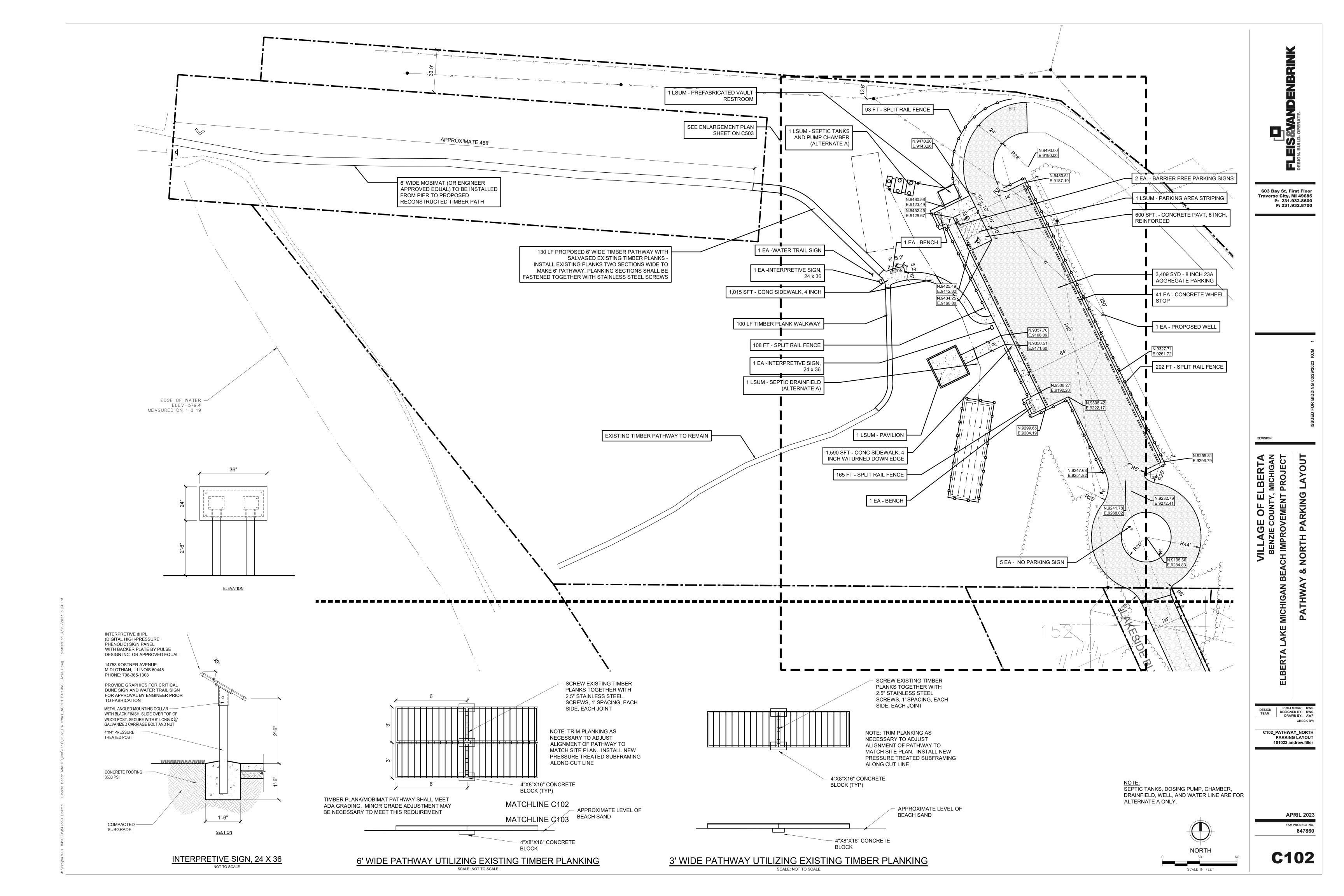


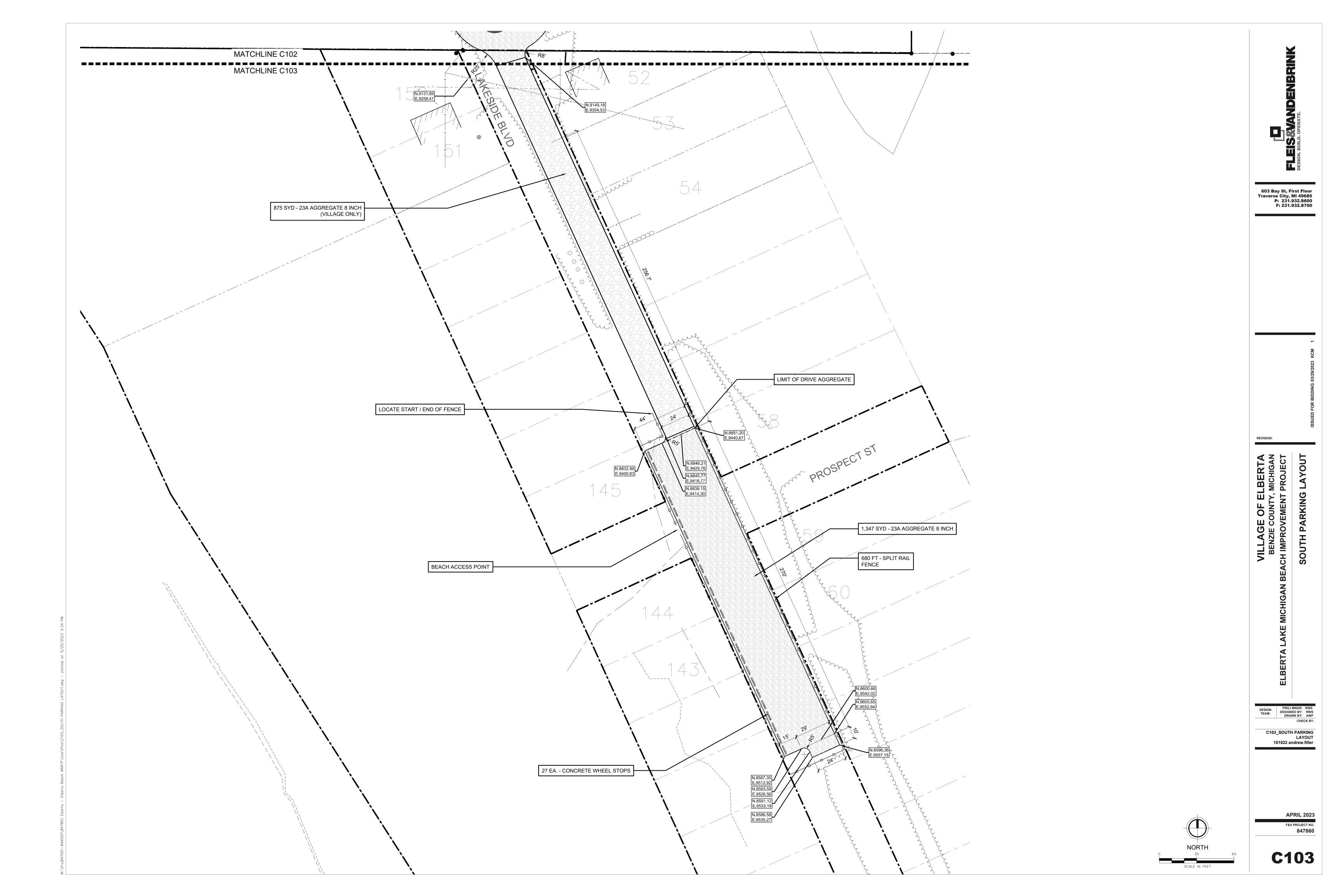


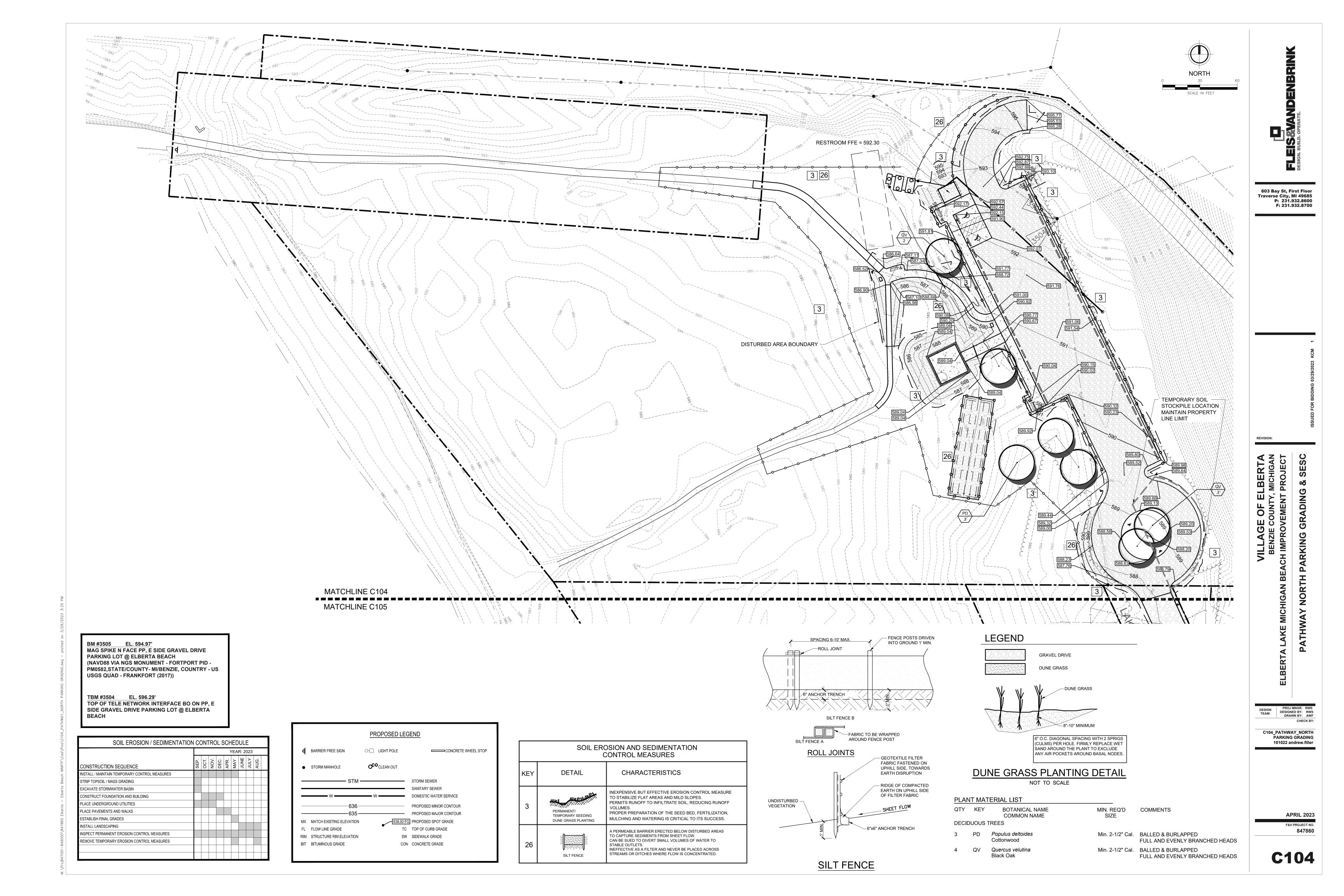
Know what's below.

Call before you dig.









BM #3505 EL. 594.97'

PARKING LOT @ ELBERTA BEACH

USGS QUAD - FRANKFORT (2017))

TBM #3504 EL. 596.29'

SOIL EROSION AND SEDIMENTATION CONTROL MEASURES

CHARACTERISTICS

TO STABILIZE FLAT AREAS AND MILD SLOPES.

BEACH

VOLUMES.

STABLE OUTLETS.

○- LIGHT POLE

PROPOSED LEGEND

DETAIL

PERMANENT/

TEMPORARY SEEDING DUNE GRASS PLANTING

d BARRIER FREE SIGN

STORM MANHOLE

MX MATCH EXISTING ELEVATION

RIM STRUCTURE RIM ELEVATION

CONSTRUCTION SEQUENCE

STRIP TOPSOIL / MASS GRADING EXCAVATE STORMWATER BASIN

CONSTRUCT FOUNDATION AND BUILDING PLACE UNDERGROUND UTILITIES PLACE PAVEMENTS AND WALKS ESTABLISH FINAL GRADES INSTALL LANDSCAPING

INSTALL / MAINTAIN TEMPORARY CONTROL MEASURES

INSPECT PERMANENT EROSION CONTROL MEASURES REMOVE TEMPORARY EROSION CONTROL MEASURES

FL FLOW LINE GRADE

BIT BITUMINOUS GRADE

MAG SPIKE N FACE PP, E SIDE GRAVEL DRIVE

(NAVD88 VIA NGS MONUMENT - FORTPORT PID -PM0582,STATE/COUNTY- MI/BENZIE, COUNTRY - US

TOP OF TELE NETWORK INTERFACE BO ON PP, E SIDE GRAVEL DRIVE PARKING LOT @ ELBERTA

NEXPENSIVE BUT EFFECTIVE EROSION CONTROL MEASURE

PERMITS RUNOFF TO INFILTRATE SOIL, REDUCING RUNOFF

PROPER PREPARATION OF THE SEED BED, FERTILIZATION,

MULCHING AND WATERING IS CRITICAL TO ITS SUCCESS.

A PERMEABLE BARRIER ERECTED BELOW DISTURBED AREAS TO CAPTURE SEDIMENTS FROM SHEET FLOW.
CAN BE SUED TO DIVERT SMALL VOLUMES OF WATER TO

INEFFECTIVE AS A FILTER AND NEVER BE PLACED ACROSS STREAMS OR DITCHES WHERE FLOW IS CONCENTRATED.

STORM SEWER

638,00 FG PROPOSED SPOT GRADE

SW SIDEWALK GRADE

CON CONCRETE GRADE

SOIL EROSION / SEDIMENTATION CONTROL SCHEDULE

LEGEND

TC TOP OF CURB GRADE

DOMESTIC WATER SERVICE PROPOSED MINOR CONTOUR — PROPOSED MAJOR CONTOUR

CONCRETE WHEEL STOP

YEAR: 2023

GRAVEL DRIVE

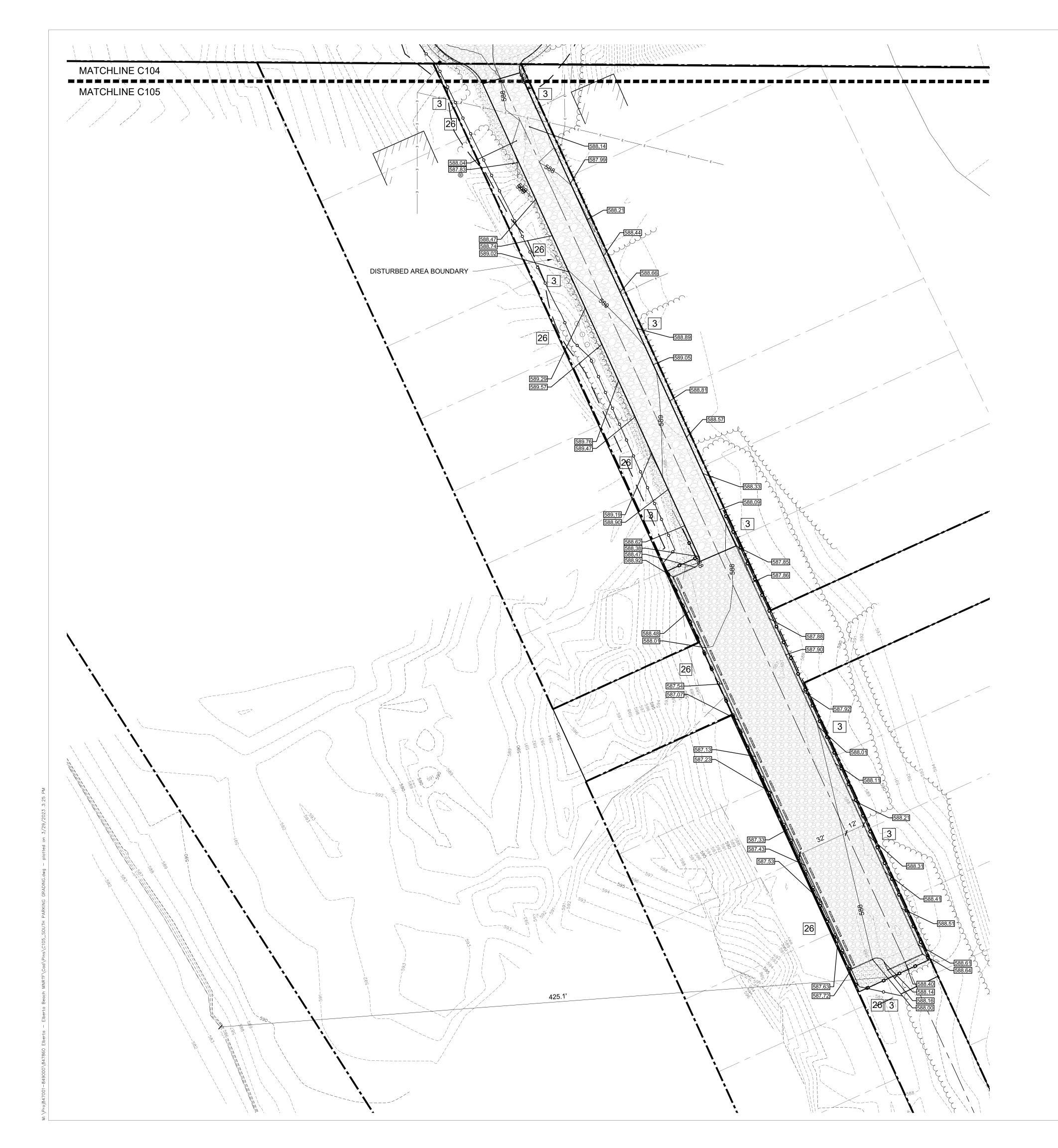
DUNE GRASS

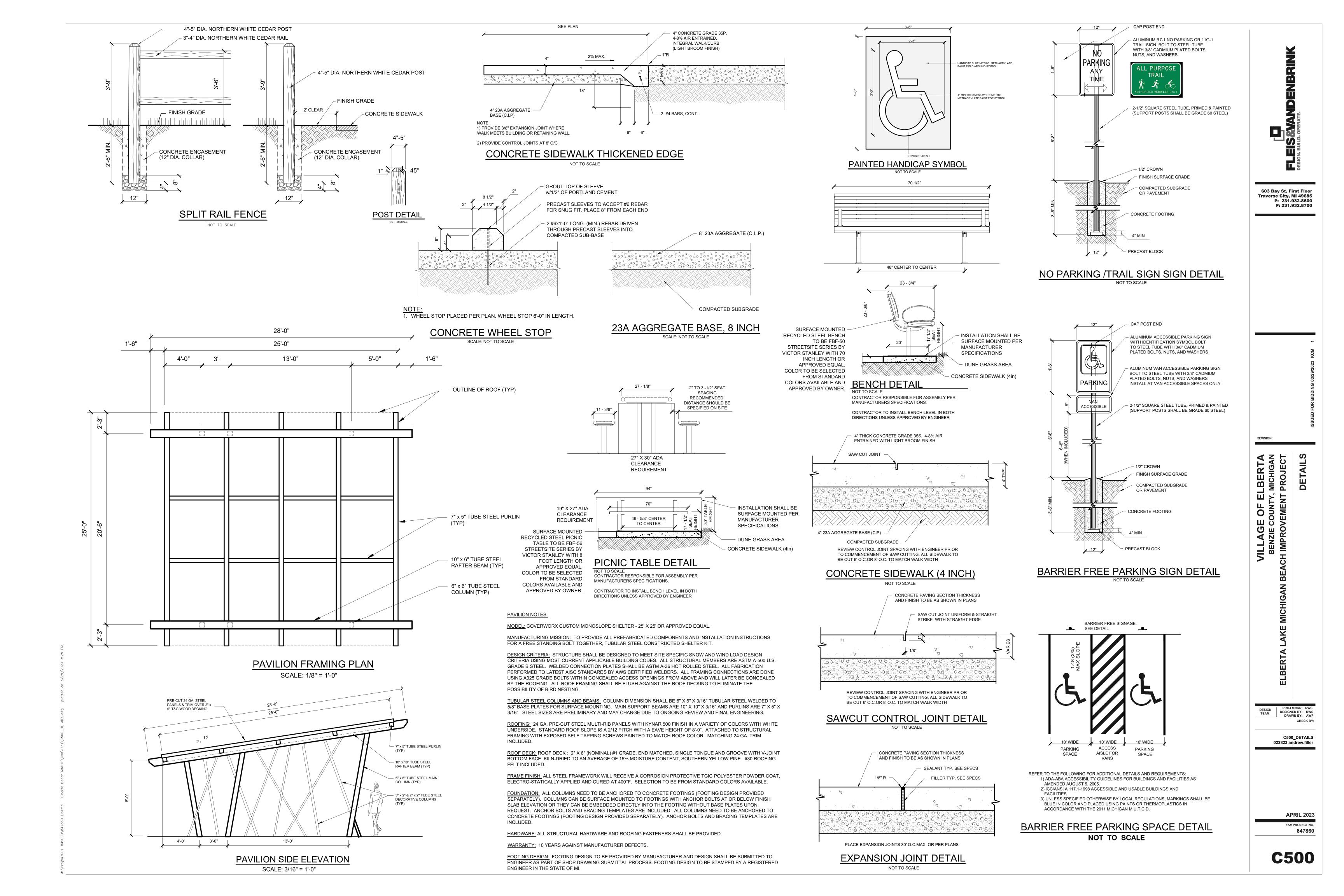
C105_SOUTH PARKING

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APRIL 2023 847860

C105





3 C501

4 C501

VILLAGE OF ELBERTA
BENZIE COUNTY, MICHIGAN
N BEACH IMPROVEMENT PROJECT

PREFABRICATED RESTROOM BASE

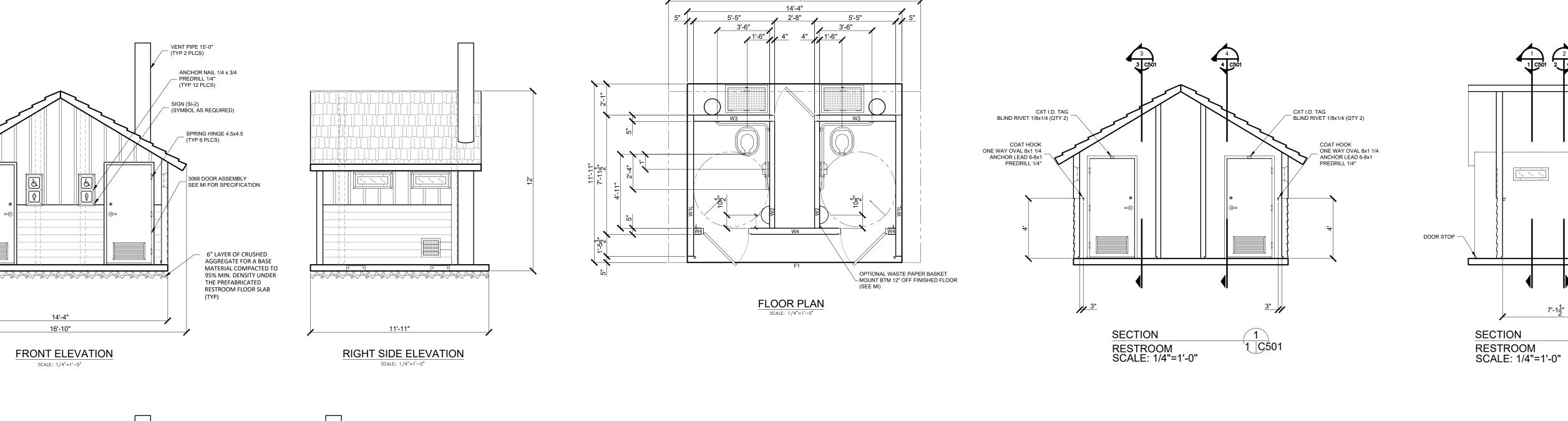
DESIGN PROJ MNGR: RWS
DESIGNED BY: RWS
DRAWN BY: AWF

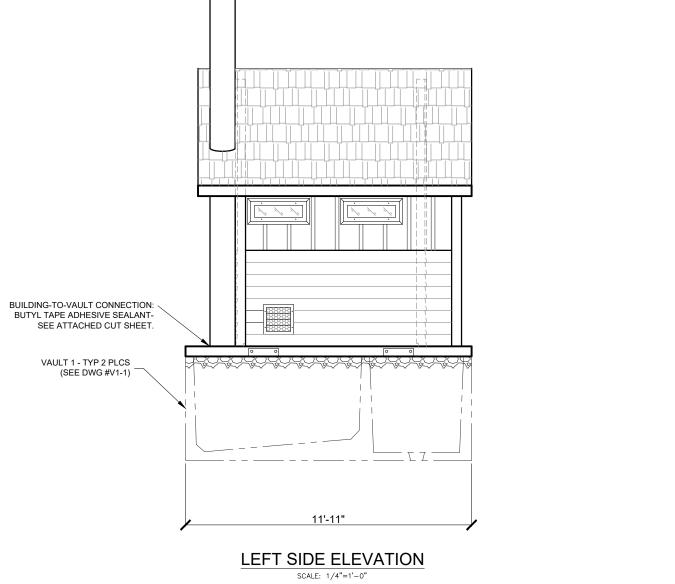
C501_DETAILS

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C501

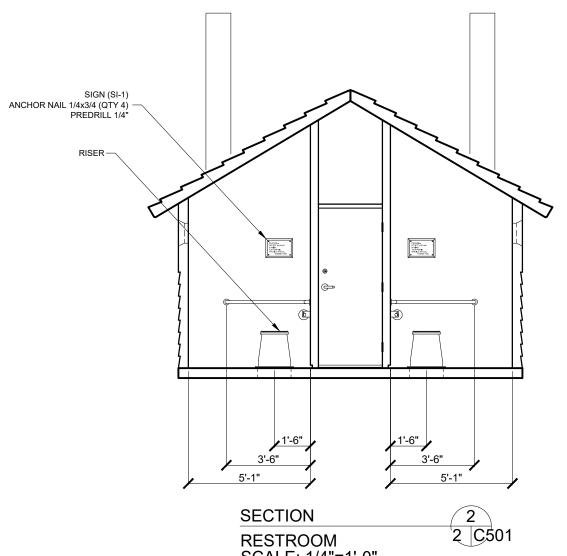


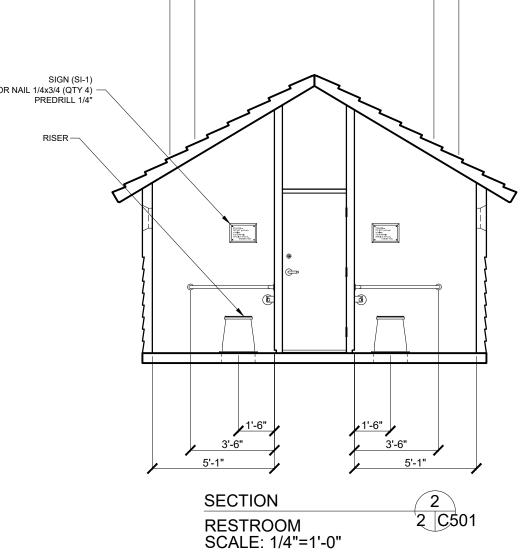


SPRING HINGE 4.5x4.5 (TYP 3 PLCS)

2868 DOOR ASSEMBLY -

REAR ELEVATION
SCALE: 1/4"=1'-0"





FABRICATION NOTES:

GRAB BAR ANCHOR NAIL 3/16x7/8 (QTY 9)

TP DISPENSER (SE MI FOR SPECIFICATION) ANCHOR NAIL 1/4x1 (QTY 6) PREDRILL 1/4"

DOOR STOP -

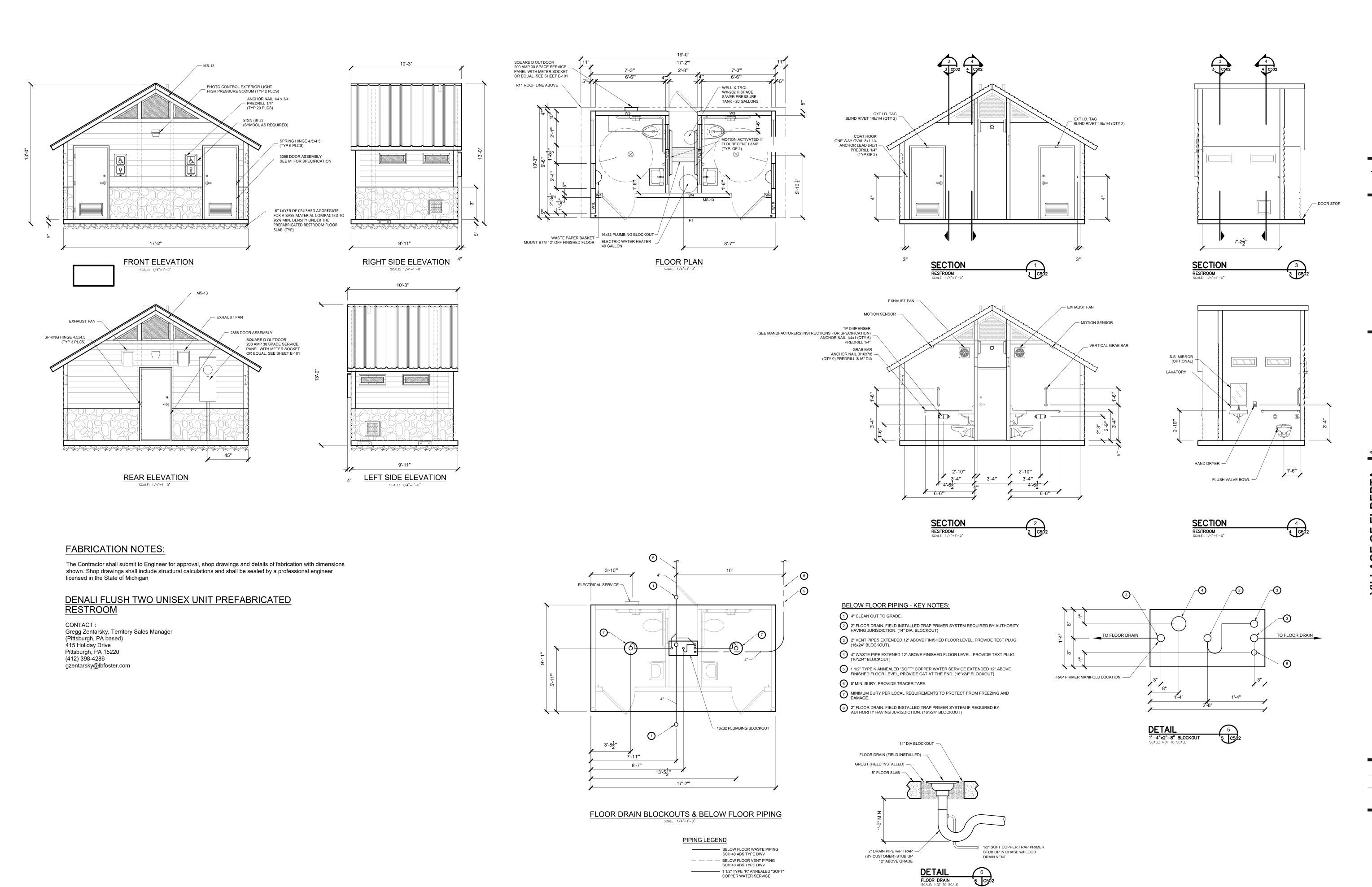
The Contractor shall submit to Engineer for approval, shop drawings and details of fabrication with dimensions shown. Shop drawings shall include structural calculations and shall be sealed by a professional engineer licensed in the State of Michigan

SECTION

RESTROOM SCALE: 1/4"=1'-0"

DOUBLE CASCADIAN @ UNISEX PREFABRICATED VAULT RESTROOM WITH CHASE CXT STANDARD BUILDING

<u>CONTACT :</u> Gregg Zentarsky, Territory Sales Manager (Pittsburgh, PA based) 415 Holiday Drive Pittsburgh, PA 15220 (412) 398-4286 gzentarsky@lbfoster.com



603 Bay St, First Floor Traverse City, MI 49685 P: 231.932.8600 F: 231.932.8700

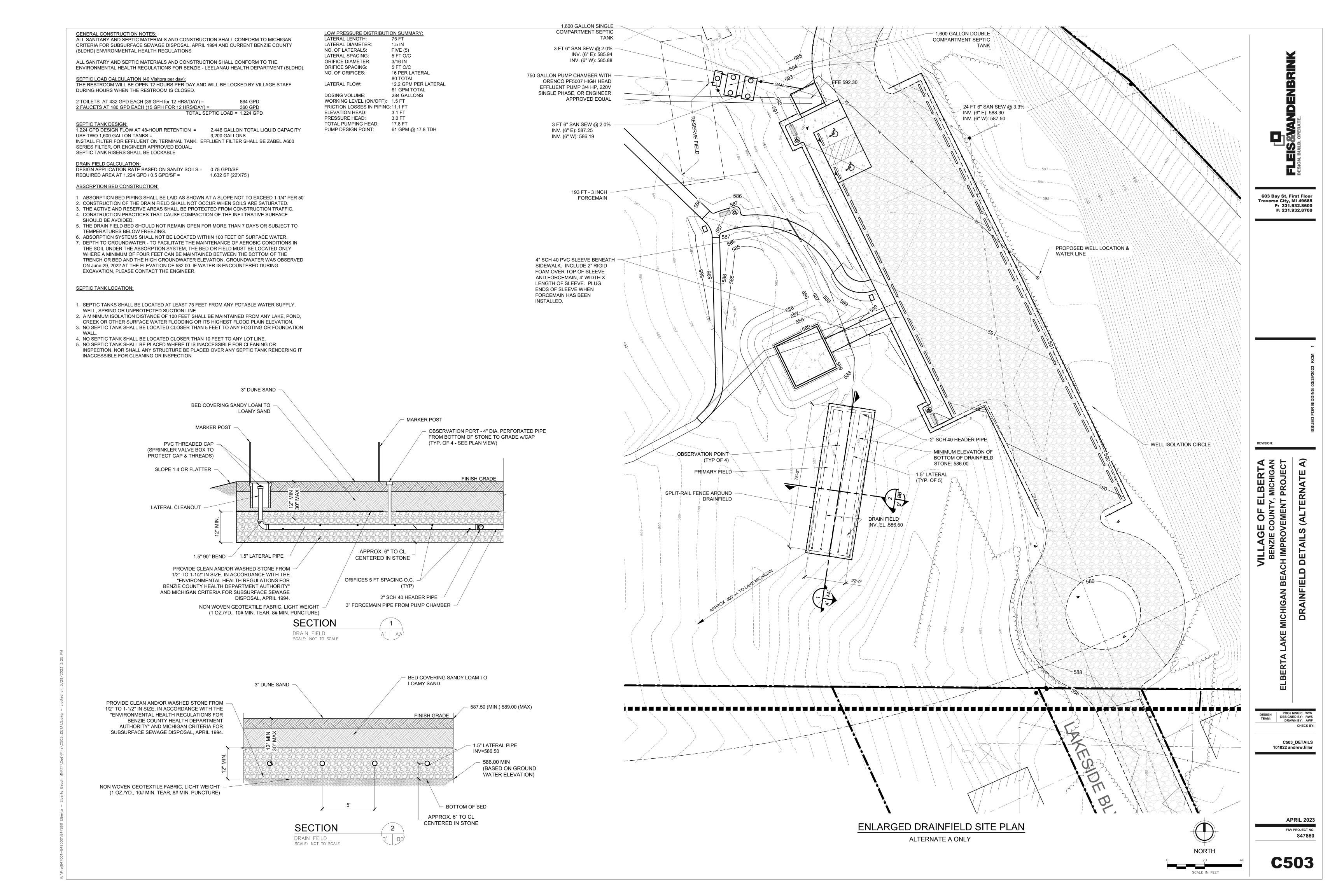
VILLAGE OF ELBERTA
BENZIE COUNTY, MICHIGAN
AN BEACH IMPROVEMENT PROJECT
D RESTROOM BID ALTERNATE A

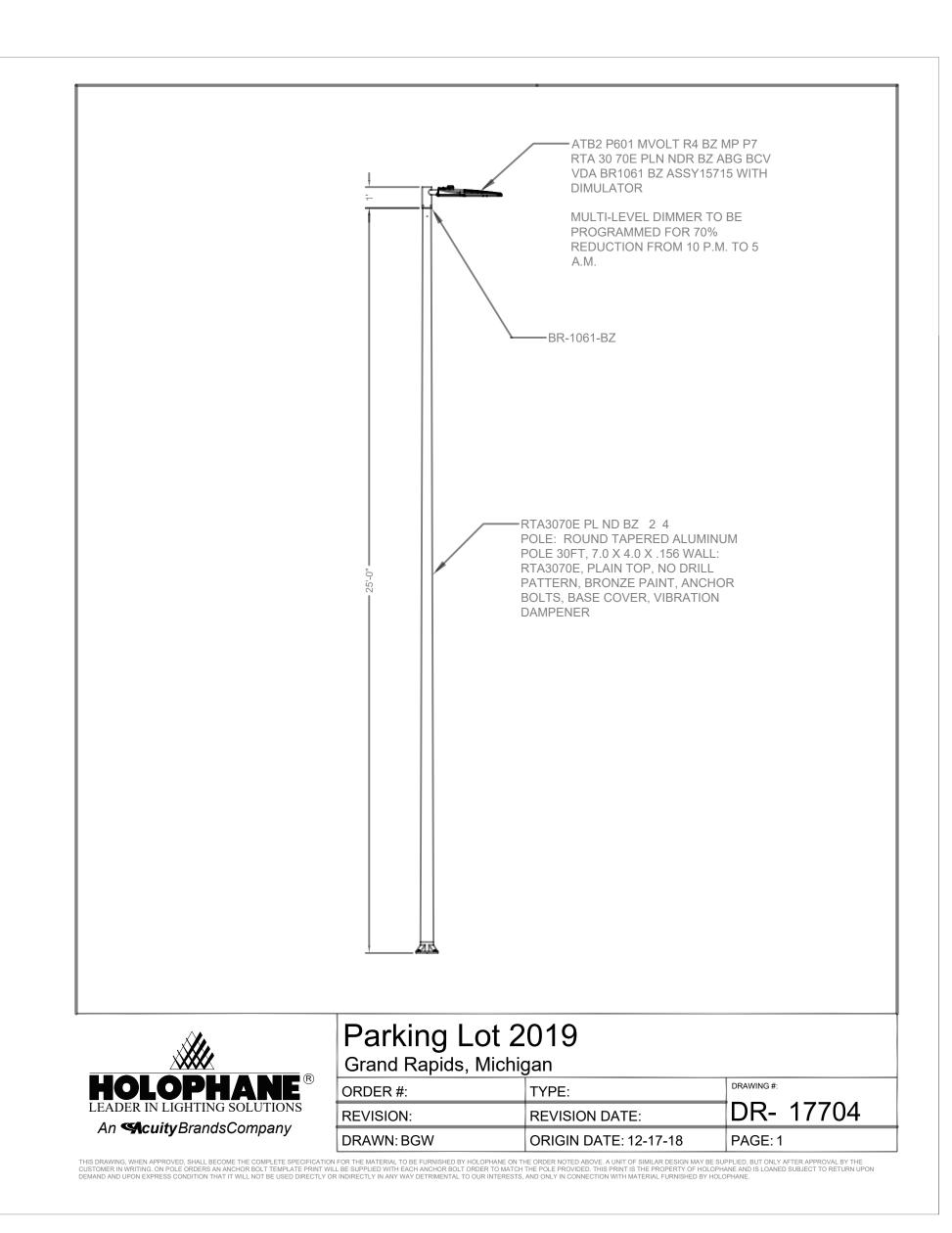
C502_DETAILS 101022 andrew.filler

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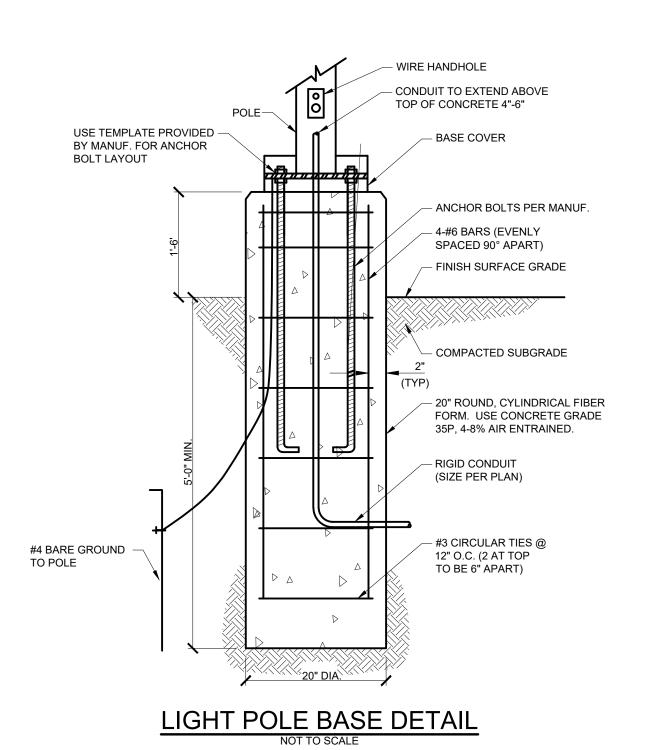
APRIL 2023

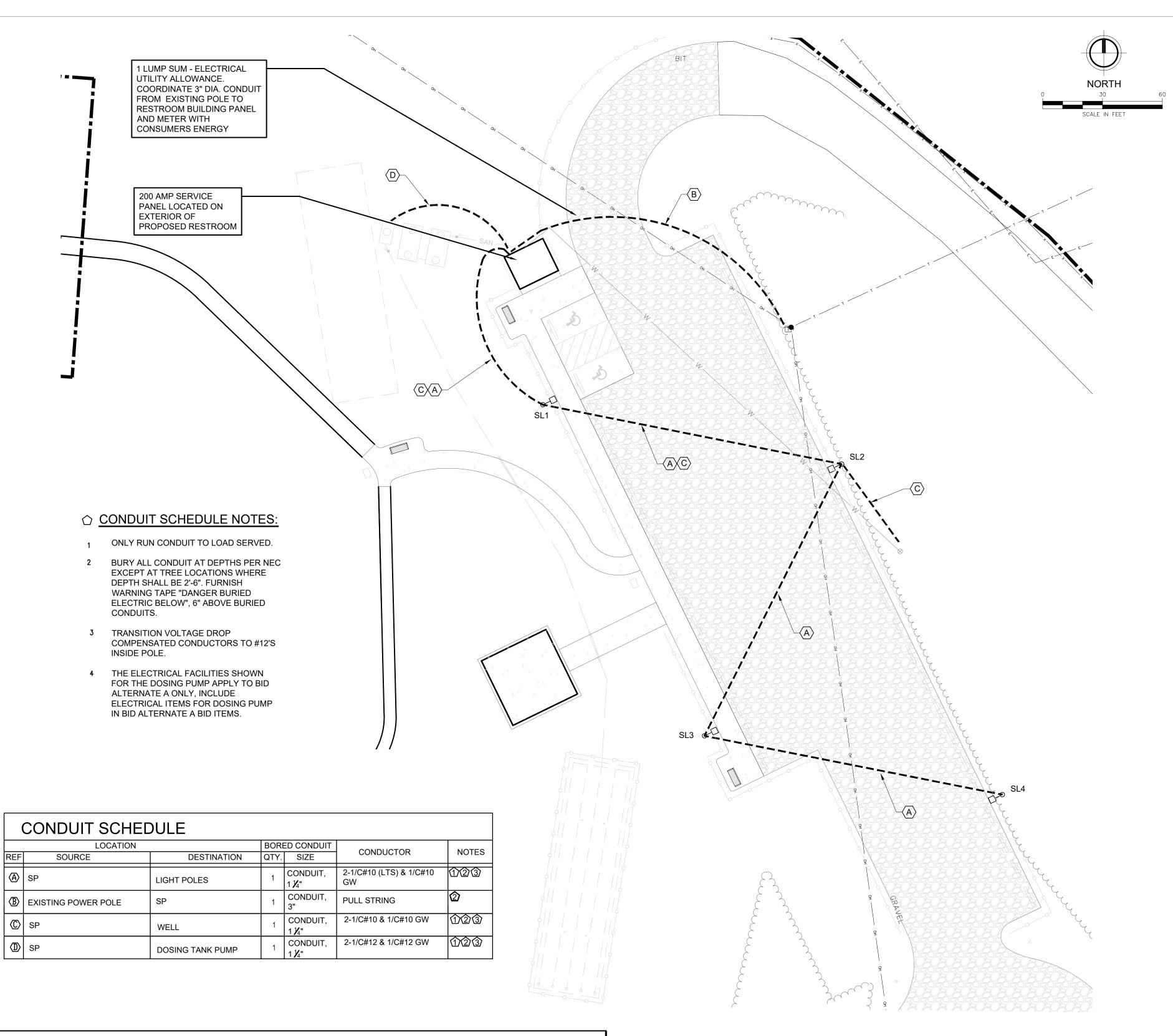
C502





PARKING AREA LIGHT





LOCATION RESTROOM/REAR WALL SURFACE ENCLOSURE										MAIN C. BUS SIZ		200 AMP 200 AMP					
CIRCUIT		OUTLETS		S		VOLT AMP.			OUTLE		S	CIRCUIT					
NO. AMPS	AMPS	POLES	VA	LTS.	REC.	OTHER	DESCRIPTION	L1	L2	DESCRIPTION	LTS.	REC.	OTHER	VA	POLES	AMPS	N
1	20	1	45	1			STORAGE ROOM LIGHTS	245		OUTSIDE LIGHTS	2			100	1	20	2
3	30	1	1440	4			PARKING AREA LIGHTS		1800	OUTSIDE RECEPTACLES		2		180	1	20	4
5	20	1	180		1		STORAGE RM. RECEPTACLES	580		RESTROOM FAN			2	200	1	20	6
7	20	1	45	2			RESTROOM LIGHTS		3090	DOSING TANK PUMP			1	3000	1	20	8
9	20	1	1500			1	HAND DRYER	3360		SPARE				180	1	20	1
11	30	1	3000			1	ELEC. WH		4500	HAND DRYER			1	1500	1	20	1
13	r 30	1	4800			1	WELL	4800									1
15	L_						WELL										1
17																	1
19																	2
21																	2
23																	2
25																	2
27																	2
29																	3
	ļ					<u> </u>	TOTALS	8.985	9,390			<u> </u>			<u> </u>		<u> </u>

LEGEND

1 SITE LIGHT (WITH NUMBER)

NOTES:

- RESTROOM ELECTRICAL PANEL WILL BE PROVIDED BY RESTROOM MANUFACTURER DETAILS AND CONTRACTOR SHALL SUBMIT MANUFACTURER'S PANEL SCHEDULE FOR FINAL REVIEW BY ENGINEER. (200 AMP)
- 2. SEE SHEET C501 AND 502 FOR PREFABRICATED RESTROOM BUILDING DETAILS.



APRIL 2023

F&V PROJECT NO.

847860

E101

DESIGN PROJ MNGR: RWS
DESIGNED BY: RWS
DRAWN BY: AWF

E101_PATHWAY & N PARKING

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