MEETING MINUTES

Crane Lake
Voyageur's National Park Visitors Center and Campground
March 3, 2022 at 2:00 PM
SEH No. CRALT 163725

I. Attendees

A. Dan Hinzmann, Jason Chopp, Brian Bergstrom – SEH
B. Kevin Piron, Katie Hildenbrand – ARI
C. Art, Serena, Mark, Jim, Gretchen, Deena – Crane Lake

II. Status Updates

A. SEH
1. CIC
a. Continued coordination with County, LCCMR, and Town attorney
b. Hoping to move forward with option which requires less variances from the County
2. Environmental & additional soil borings
a. Additional soil borings – field work complete. Final report should be available next week.
b. Soil vapor results expected by end of week. Some petroleum impacted soils encountered at one of the borings. Expecting to have some building recommendations by March.
3. Archeological Investigation – Field work done. Still working on report documents.
4. State Park Road Account – Submitted. Exhibit provided for Town to evaluate ROW needs.
a. SEH to address potential sewer easement question.
5. Design – Proceeding with campground preliminary design.
6. Cost Estimating – Campground schematic level cost estimating complete. Item for discussion.
7. St. Louis County approval process
a. Hoping to limit variances to location of building relative to shoreline. This will hinge on the CIC process being resolved.
b. Variance and CUP permit applications are due on the first Friday the month prior to any required hearings. Hoping for April submittal / May hearings if we can get LCCMR on board with the CIC dissolution.

B. ARI
1. Continued to progress with building model for visualization purposes
2. Modified layout based on mechanical efficiencies, also works well with space usage

III. Discussion Items:

A. Campground bathroom facility precedent floorplan review and use discussion
1. Discussion on usage, costs, thresholds.
2. Overall approach of keeping the building simple, limiting costs within reason
3. The group didn't feel a strong need to mimic the visitors center appearance
4. See questions for town at end of this document.

B. Visitor's Center floorplan and exteriors review
1. Various views shared with the group. Graphics attached to minutes.

C. Visitor's Center mechanical systems review
1. Nothing flagged as a concern. Town will proceed with further evaluation. In the meantime, ARI has the go-ahead to proceed with pricing utilizing the suggested systems.
2. Contamination mitigation system is not laid out in the document, but ARI is aware this will potentially be a part of the required building systems. Discussion on cost of this system being potentially around $50k.

D. Cost estimate review / impacted campsite total
   1. Currently we are seeing that we are over the allocated budget by ~20%. SEH has some cost savings ideas which will be presented in a separate meeting.
E. Bidding approach (buildings vs. site)
   1. We are hoping for some economy of scale in including the visitors center and the campground building together. Babbitt campground building was $900k – we are hoping this might be a better bidding environment, but it is very difficult to predict.

IV. Schedule
   A. Next meeting – March 17, 2022 @ 2PM
   B. Schedule moving forward
      1. Develop prelim drawings, prepare cost estimate – March 2022
      2. Final design – Spring / summer 2022
      3. Bidding – Late summer 2022 (pending approvals and permits)
      4. Construction – 2022 / 2023 (Hoping for building to be enclosed by winter 2022)

V. Next Steps / To-Do's / Questions

A. SEH – Confirm potential sewer easement in Bayside Drive
B. SEH – Schedule separate meeting (include Jim & Mark) to discuss campground budget
C. SEH – Provide criteria for required bathrooms, etc. relative to number of campsites
D. Town to consider questions for campground bathroom facility:
   1. Where do we want campers to check in? Do we avoid camper RV traffic thru visitor's center?
   2. Will there be any desire for a "retail" space? How about office space?
   3. Is there a desire to invest into protected storage space (lawnmowers, etc.)?
   4. Is there a desire to invest into a laundry space?
   5. Is apartment space a design priority in this phase, a future phase, or at all?
   6. Confirm the building will be operated seasonally and winterized?
E. Town (Jim) to follow up on mechanical and electrical systems confirmation
F. ARI to continue with visitor's center design, pricing.

drh
x:\ae\c\cralt\163725\1-genl\16-meet\2022-03-03 status meeting with client\working folder\crane lake campground - progress meeting #8 minutes.docx

Assuming the number of sites with RVs that aren't equipped with toilet and bathing facilities is 45 sites (40 RV & 5 tent sites).

SHOWER AREA
1 shower required.

TOILET AREA
2 toilets required.

URINAL AREA
1 urinal required.

LAVATORY AREA
3 lavatories required.

GENERAL NOTES:

1. PROVIDE CONTROL JOINTS IN CONCRETE FLOOR SLAB PER DETAIL 1/A6, TYPICAL
2. SEE MECHANICAL FOR DUCTWORK PENETRATION THROUGH CMU WALLS, COORDINATE LOCATION AND PROVIDE LINTELS PER LINTEL SCHEDULE
3. STEP FOOTINGS AS REQUIRED TO MAINTAIN 5'–0" COVERAGE OVER FOOTING AND AROUND PIPING PER 2/A6 AND 3/A6

FLOOR PLAN KEYNOTES:

1. WHEEL CHAIR ACCESSIBLE RESTROOM STALL WITH 36" WIDE DOOR, SEE TYPICAL MOUNTING HEIGHTS AND LAYOUT FOR STALL AND ACCESSORIES
2. AMBULATORY RESTROOM STALL WITH 34" WIDE DOOR, SEE TYPICAL MOUNTING HEIGHTS AND LAYOUT FOR STALL AND ACCESSORIES
3. 20"x30" INSULATED ATTIC SCUTTLE
4. BRACKET MOUNTED FIRE EXTINGUISHER (FE–2)
5. CABINET MOUNTED FIRE EXTINGUISHER (FE–1)
6. CONCRETE STOOP, SEE 4/A4
7. GRID LINE ALIGNS WITH EXTERIOR FACE OF FOUNDATION WALL
8. 9" DEEP x 2'–0" LONG BENCH
9. HANDICAPPED ACCESSIBLE BENCH
10. DUAL–HEIGHT DRINKING FOUNTAIN
11. CONTROL JOINT IN MASONRY
12. 4" THICK CONCRETE PAVEMENT OVER 6" COMPACTED GRANULAR FILL. PROVIDE TOOLED CONTROL JOINTS AT 5'–0" O.C.
13. INTEGRALLY COLORED CONCRETE FLOOR SLAB THIS ROOM
14. FIBERGLASS REINFORCED PANEL (FRP) WALL FINISH, 4'–0" HIGH, EXTEND 4'–0" HORIZONTALLY FROM MOP SINK
15. FLOOR MOUNTED MOP SINK, SEE MECHANICAL
16. SLOPE SHOWER STALL FLOOR DOWN TO DRAIN AT ¼" PER FOOT
17. 4" CONCRETE EQUIPMENT PAD, SEE MECHANICAL
18. MECHANICAL UNIT SUSPENDED FROM ROOF TRUSSES (400 POUND OPERATING WEIGHT)
19. PRE–FINISHED ALUMINUM LOUVER, MOUNT AS HIGH AS POSSIBLE, COORDINATE WITH MECHANICAL

LEGEND:

RH	ROBE HOOK
CR	SHOWER CURTAIN AND ROD
GB	GRAB BAR
FD	FLOOR DRAIN
FSB	FOLDING SHOWER BENCH
TPD	TOILET PAPER DISPENSER
MIRR	MIRROR
MCS	MOP CLIP STRIP
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL UNIT
HCP	HANDICAP ACCESSIBLE
EHD	ELECTRIC HAND DRYER
ICS	INFANT CHANGING STATION

LINTEL SCHEDULE:

OPENINGS UP TO 3'–4" IN WIDTH:
8"x8" CMU BOND BEAM (1 COURSE) WITH (2) #5 REBAR BOTTOM.
OPENINGS UP TO 6'–4" IN WIDTH:
8"x16" CMU BOND BEAM (2 COURSES) WITH (2) #5 REBAR BOTTOM AND TOP

NOTES:

1. ALL CMU LINTELS SHALL BEAR 8" MINIMUM ON FULLY GROUTED CMU EACH END.
2. GROUT AND REINFORCE TWO CORES EACH SIDE OF EACH LINTEL WITH SAME SIZE REBAR SPECIFIED FOR TYPICAL WALL REINFORCING. GROUT AND REINFORCE ONE CORE EACH SIDE OF LINTELS IN INTERIOR WALL.
3. BOND BEAMS DESIGNATED AS MORE THAN ONE COURSE HIGH SHALL UTILIZE A POUR–THROUGH BOND BEAM FOR UPPER COURSES IN RUNNING BOND WITH COURSE BELOW.
4. SHORE CMU LINTELS FOR ENTIRE LENGTH UNTIL BOND BEAMS ARE IN PLACE AND GROUT IS CURED.
5. BOTTOM REBAR TO BE MAINTAINED 2" MIN. CLEAR FROM BOTTOM OF BOND BEAM LINTEL OR GREATER IF REQUIRED FOR FIRE RESISTIVE CONSTRUCTION. CONTINUE HORIZONTAL REINFORCING TO END OF BEARING.

1 FLOOR PLAN

0 2'–0" 4'–0" 6'–0"

FINISHED FLOOR ELEVATION (FFE) SHOWER BUILDING = 100'–0" = 1491.0'

DRAWN BY: –
DESIGNER: –
CHECKED BY: –
DESIGN TEAM

NO.	BY	DATE	REVISIONS
		07/27/2020	PERMIT SET

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

Date: 09/01/2020

SCOTT BLANK, AIA
Lic. No. 51092

SEH
PHONE: 218.741.4284
615 9TH ST N
VIRGINIA, MN 55792–3761
www.sehinc.com

BABBITT, MINNESOTA

SHEET CONTENTS
FLOOR PLAN
BABBITT PUBLIC RV PARK

FILE NO.
BABBT 144900

A1
–

ARI

FIREPLACE OPTION 2

WELCOME ZONE

FIREPLACE OPTION 1

PERMIT STATION

SLIDING DOORS
10'-0" OPENING

PARK SERVICE

CRANE LAKE

lockable storage
24"d x 3'-6"w x 7't

9'-3" X 16'-0"

7'-6" X 16'-0"

FLEX

TWP

NPS RANGER
8'-0" x 16'-0"

3'-6"x 6'-0"

MECH.

3'-6"x 6'-0"

CLWSD
12'-0" x 16'-0"

BREAK/MEET
16'-8" x 16'-0"

18"d shelf

STORAGE
5'-0" x 10'-7"

12"d shelf

OFFICE
10'-7" x 10'-5"

coat rack

storage

service window

VESTIBULE

open shelf storage
18"d x 7'-6"w x 7't

FAMILY

CUST.

FAMILY

STOR.

VESTIBULE

INFORMATIONAL KIOSK

LARGE MAPS SHOWING CRANE LAKE AREA AND LARGER WILDERNESS REGION WITH BORDER PROMINENTLY INDICATED

ATV CLUB WALL DISPLAYS

PUBLIC MEETING ROOM

MECHANICAL & STORAGE

SHELTERED AREA

FLOOR PLAN

0 1' 2' 4' 8' 16'
SCALE

NORTH

Schematic Design Narrative

DATE: March 1, 2022

TO: SEH

FROM: Architectural Resources Inc.

SUBJECT: Project Name: Crane Lake Visitor Center
ARI Project #2021-048

Electrical Systems:

Electrical Service: 400 AMP 120/240V 1-phase electrical service located in the main storage room. Main utility transformer, meter, & current transformer (CT) cabinet on grade. Transformer by utility. Main electrical Panel to feed equipment, lighting, receptacles, and additional sub panel.

Solar Panel Ready: Wall space for future photovoltaic system (PV) inverters & PV AC disconnects. Roof area to be allocated for future solar panels.

Emergency Power:

- No generator is planned at this time
- Emergency lighting and exit lighting shall have battery backup for life safety.

Electrical Distribution:

- Preliminary analysis requires a total of 2 normal power distribution panels,
- Surge protection devices at each panel.
- Receptacles to be provided in every room and at appropriate locations. Circuiting to vary depending on anticipated load.
- USB receptacles in commons spaces.
- Wire, conduit, circuit breakers, motor starters, & fused disconnects for equipment.

Interior Lighting:

- All LED light fixtures.
- Overall lighting energy use of 0.8 W/square foot.
- Corridors, restrooms, & offices to consist of 2'x4' recessed light fixtures.
- Recessed linear fixtures & decorative fixtures in main commons.
- All other commons spaces to receive a combination of 2'x4' recessed & recessed can light fixtures.
- Industrial fixtures in mechanical/electrical spaces.
- Emergency egress & exit lighting shall have battery backup

Interior Lighting Controls:

- No network lighting control.
- Classrooms to receive occupancy sensors and daylight sensors. Manual on / automatic off operation with dimming. 2 or 3 zone automatic dimming according to light level achieved from natural daylight.
- Offices to receive occupancy sensors. Manual on / automatic off operation with dimming.
- Corridor & commons lights to be. Automatic on / automatic off via occupancy sensors.
- Main commons light fixtures to be overridden on during occupied hours via the light control system. Automatic on / automatic off, during non-occupied hours via occupancy sensors. Automatic 3 or 4 zone dimming via daylight sensors according to the light level achieved from natural daylight.
- All storage rooms & restroom light fixtures to automatic on / automatic off via occupancy sensors.
- All mechanical & electrical rooms to operate manual on / manual off.

Exterior Lighting:

- All LED fixtures. LED wall-packs at all exterior doors.
- Recessed weather-proof linear fixtures in exterior canopy.
- Pole-mounted area lights throughout parking lots designed to code-required light levels.

Exterior Lighting Controls:

- All building-mounted exterior light fixtures & area light fixtures to be controlled via astronomical time clock as part of the building management system. To turn on 30-min before sunset to 11pm then on at 6am and off 30-min before sunrise.
- Additional control via built-in occupancy sensors or time clock to default to 30% light output with no occupancy, 100% light output with occupancy.

Fire Alarm System:

- Not required

Security systems

- Provide intrusion detection system with door sensors and motion sensors.
- Keypad to arm and disarm system

Access control system:

- Provide computer based access control head head.
- Provide IP door controllers, HID card readers, and access cards

Video surveillance systems

- Provide network video recorder
- Provide IP interior and exterior camaras

Mechanical Narrative
For
Crane Lake Visitor Center

ARI Project # 2021-048

March 1, 2022

Schematic Design (SD) Narrative:

This document is an overview of the Crane Lake Visitor Center mechanical systems. The intent of this narrative is to provide a basis for the initial cost estimation of the mechanical systems. These systems are based off of SD information and should not be regarded as final design. The R-Values used to generate the following selections are listed below:

- ✓ Walls: R-20 (code minimum) recommend R-30.
- ✓ Roof: R-49 (code minimum for attic design) recommend R-60
- ✓ Floor: R-15 (not required, but recommended)
- ✓ Windows: R-3.3 (U-0.303)

Building Management System (BMS): None anticipated.

Building Utilities: LP gas with electric heating. Domestic water served by well system. Sanitary sewer to on-site septic system.

HVAC Heating and Cooling: Three (3) total LP gas fired furnaces with remote electric air-to-air heat pumps will be used to supply code required ventilation and satisfy heating & cooling loads. Heat pump will provide air conditioning in the summer months and heating in the shoulder seasons when the temperature is above +/- 20°F (or low ambient temperature). LP gas heat exchanger will provide heating when outdoor temperature is lower than the low ambient setting. One (1) furnace will serve office suite and two (2) furnaces will serve the public spaces and meeting room. These units will operate via programmable thermostat with occupied schedule, and will operate on a call for heat and A/C.

Supplemental Heat: Supplemental heat is anticipated and utilize a combination of electric radiant ceiling panels, cove heat, unit heaters or baseboard heat. Supplemental heat will operate with individual space thermostats.

Return Air: Return air will route back to each furnace via plenum return. Filter rack to be provided at each furnace inlet.

Exhaust Air: Exhaust ventilation will be provided for code required areas (i.e. toilet rooms, janitor rooms, kitchenette, etc.). Ceiling exhaust fans or roof mounted will be used to serve bathrooms as general space exhaust. Individual toilet room exhaust fans will be intended to operate with an occupancy sensor or light switch. Public toilets and janitor space will be operated with a time clock with anticipated occupied schedule.

ARCHITECTURAL RESOURCES INC

704 East Howard Street | Hibbing, MN 55746
Tel: 218.263.6868 | Fax: 218.722.6803

126 East Superior Street | Duluth, MN 55802
Tel: 218.727.8481 | Fax: 218.727.8483

www.arimn.com

Ductwork: Ductwork will be sheet metal with 1" insulation provided for supply, outdoor air, and exhaust ductwork.

Fresh Air: Each Furnace will require outdoor air intake. Direct O.A. duct or Air-to-air heat exchangers will be utilized to provide code required fresh air.

Destratification: Large volume areas (public areas) may lend the use of destratification fans (air pears). The intent is to push the warm air down to the breathable area to maximize efficiency.

Storm Drainage System: No internal storm drainage anticipated.

Sanitary Drainage System: 4" schedule 40 PVC or cast iron sanitary drain lines will route to the exterior of the building. Interior underground piping to be schedule 40 PVC or cast iron. Interior above ground piping to be cast iron. Interior plumbing vent piping to be schedule 40 PVC or cast iron.

Water Service: Domestic water service is anticipated to be provided from well system. Pressure tank will be required to serve domestic water requirements. The water service to be located in large mechanical room.

Water Heater: Two (2) point of use or small electric water heaters are anticipated to supply domestic hot water to sinks.

Domestic Water Distribution System: Piping materials to be type "L" copper with wrought copper solder fittings or pressed fittings. Other piping materials such as cross-linked polyethylene (PEX) may be utilized.

HWY 24/GOLD COAST RD

PROPOSED LIFT STATION

CRANE LAKE

VISITOR'S CENTER

VIS CENTER FUNDED

RECONSTRUCT DRIVEWAY ACCESS

PARKING AREA (OR TENT SITE AREA)

GARBAGE/RECYCLING PAD

WATER/ELECTRICAL PEDESTAL

SANITARY (TYP.)

BOULDER FOR UTILITY PROTECTION (TYP.)

WELL

CHECK-IN/SHOWER BUILDING

MAINTENANCE/WOOD SHED

PARKING PAD (TYP.)

GRASSED AREA (TYP.)

UTILITY AREA (TYP.)

WATER MAIN (TYP.)

SANITARY MAIN (TYP.)

CAMPGROUND FUNDED

T1 T2 T3 T4 T5

RV1 RV2 RV3 RV4 RV5 RV6 RV7 RV8 RV9 RV10 RV11 RV12 RV13 RV14 RV15 RV16 RV17 RV18 RV19 RV20 RV21 RV22 RV23 RV24 RV25 RV26 RV27 RV28 RV29 RV30 RV31 RV32 RV33 RV34 RV35 RV36 RV37

37 RV SITES
3 DEDICATED SITES
1 GROUP TENT SITES (5 TENT PADS)

N

50 0 50 100
scale 25 feet

SEH

FILE NO.
CRALT 163725

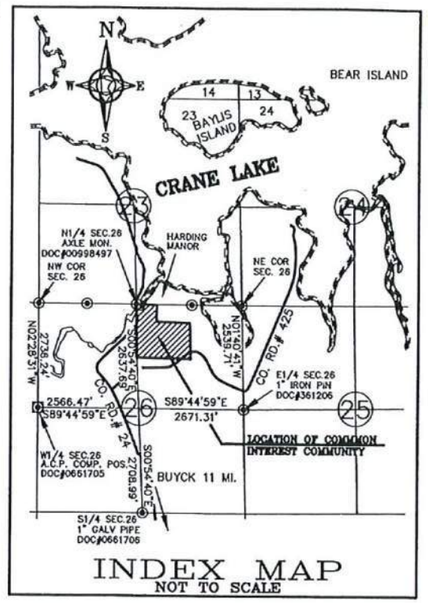
DATE:
2/9/2022

SCHEMATIC SITE LAYOUT
VNP VISITOR'S CENTER
CRANE LAKE TOWNSHIP, MN

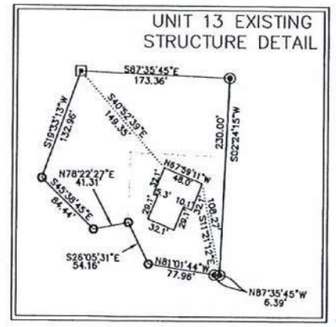
EXHIBIT NO. 1

Save: 2/9/2022 9:29 AM rhopecky Plot: 2/9/2022 9:33 AM X:\AE\C\CRALT\163725\5-final-dsgn\51-drawings\10-Civil\cad\dwg\exhibit\CA163725EX - Campground Option A.dwg

AMENDMENT TO COMMON INTEREST COMMUNITY PLAT NO. 84
CRANE LAKE SHORES
CIC PLAT
LOCATED IN
NORTHWEST QUARTER OF THE NORTHEAST QUARTER IN SECTION 26,
TOWNSHIP 67 NORTH, RANGE 17 WEST OF THE FOURTH PRINCIPAL MERIDIAN

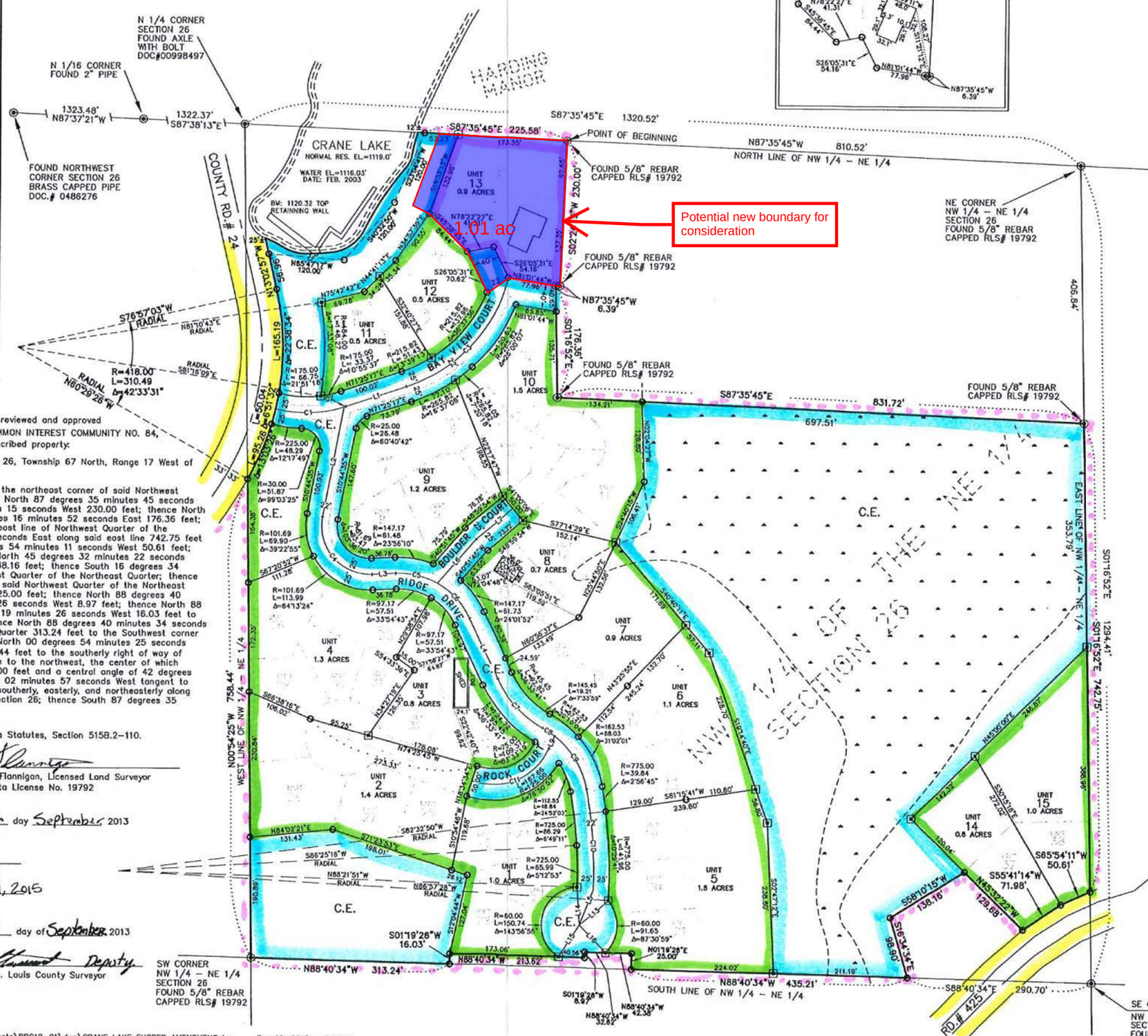


INDEX MAP
NOT TO SCALE



THIS PLANNED COMMUNITY PLAT HAS BEEN RECORDED AS DECLARATION DOCUMENT NO. 1235113 FILED ON THIS 9th DAY OF October A.D., 2013
D. Arbeiter COUNTY RECORDER
Deputy

All Taxes Paid
October 9, 2013
St. Louis County Auditor
By D Hoven Deputy



CENTERLINE TABLE		
LINE	LENGTH	BEARING
L1	100.02	N71°25'17"E
L2	176.89	S10°44'35"W
L3	36.78	S87°08'15"W
L4	104.97	S25°02'19"E
L5	60.09	S20°22'30"W
L6	92.84	S40°51'45"W
L7	75.00	S48°59'54"W
L8	N/A	N/A
L9	21.51	N25°01'28"E
L10	N/A	N/A
L11	N/A	N/A
L12	N/A	N/A
L13	60.00	N48°54'33"E
L14	60.00	N03°48'23"W
L15	60.00	S32°14'41"W
L16	60.00	S43°34'27"E

CENTERLINE CURVE TABLE			
CURVE	LENGTH	RADIUS	DELTA ANGLE
C1	110.15	200.00	31°33'24"
C2	3.01	200.00	0°51'48"
C3	244.98	240.82	58°17'04"
C4	138.68	76.69	103°36'20"
C5	68.84	122.17	32°00'13"
C6	76.38	122.17	35°49'12"
C7	108.77	170.45	36°33'41"
C8	23.81	137.53	9°55'08"
C9	99.09	137.53	41°16'58"
C10	160.36	750.00	12°15'01"
C11	145.83	100.00	83°33'06"

CENTERLINE CHORD TABLE		
CURVE	LENGTH	BEARING
C1	108.77	N88°03'47"E
C2	3.01	N71°51'11"E
C3	234.55	N42°16'45"E

LEGEND
- DENOTES MONUMENT FOUND
- DENOTES SET 5/8" REBAR CAPPED RLS# 19792
- DENOTES REVISED LOT CORNERS CAPPED RLS# 43816
- C.E. DENOTES COMMON ELEMENT
- DENOTES SURVEY LINE
- UNIT BOUNDARY
- DENOTES WETLANDS

BASIS OF BEARING
THE NORTH LINE OF THE NE 1/4 OF SECTION 26 IS TO BEAR SOUTH 87 DEGREES 35 MINUTES 45 SECONDS EAST

N
W E
S
0 100 200
(SCALE IN FEET)

I, Rodney Flannigan, do hereby certify that the work was undertaken by or reviewed and approved by me for this COMMON INTEREST COMMUNITY Plat of AMMENDMENT TO COMMON INTEREST COMMUNITY NO. 84, CRANE LAKE SHORES PLANNED COMMUNITY, located upon the following described property:

All that part of the Northwest Quarter of the Northeast Quarter of Section 26, Township 67 North, Range 17 West of the Fourth Principal Meridian further described as follows:

Beginning at a point on the North Line of said Section 26, 810.52 west of the northeast corner of said Northwest Quarter of the Northeast Quarter of Section 26, and assigning a bearing of North 87 degrees 35 minutes 45 seconds West to said north line of Section 26, thence South 02 degrees 24 minutes 15 seconds West 230.00 feet; thence North 87 degrees 35 minutes 45 seconds West 6.39 feet; thence South 01 degrees 16 minutes 52 seconds East 176.36 feet; thence South 87 degrees 35 minutes 45 seconds East 831.72 feet to the east line of Northwest Quarter of the Northeast Quarter of Section 26; thence South 01 degree 16 minutes 52 seconds East along said east line 742.75 feet to the northerly right of way of County Road 425; thence South 65 degrees 54 minutes 11 seconds West 50.61 feet; thence South 55 degrees 41 minutes 14 seconds West 71.98 feet; thence North 45 degrees 32 minutes 22 seconds West 129.68 feet; thence South 58 degrees 10 minutes 15 seconds West 138.16 feet; thence South 16 degrees 34 minutes 34 seconds East 98.90 feet to the south line of the said Northwest Quarter of the Northeast Quarter; thence North 88 degrees 40 minutes 34 seconds West along the south line of the said Northwest Quarter of the Northeast Quarter 435.21 feet; thence North 01 degree 19 minutes 26 seconds East 25.00 feet; thence North 88 degrees 40 minutes 34 seconds West 75.00 feet; thence South 01 degree 19 minutes 26 seconds West 8.97 feet; thence North 88 degrees 40 minutes 34 seconds West 213.62 feet; thence South 01 degree 19 minutes 26 seconds West 16.03 feet to the south line of the said Northwest Quarter of the Northeast Quarter; thence North 88 degrees 40 minutes 34 seconds West along the south line of the said Northwest Quarter of the Northeast Quarter 313.24 feet to the Southwest corner of the Northwest Quarter of Northeast Quarter of said Section 26; thence North 00 degrees 54 minutes 25 seconds West along the north–south 1/4 line of said Section 26 a distance of 758.44 feet to the southerly right of way of County Road 24; thence northeasterly along a non–tangential curve concave to the northwest, the center of which bears North 60 degrees 29 minutes 26 seconds West with a radius of 418.00 feet and a central angle of 42 degrees 33 minutes 31 seconds a distance of 310.49 feet; thence North 13 degrees 02 minutes 57 seconds West tangent to said curve 82 feet more or less to the south shore of Crane Lake thence southerly, easterly, and northeasterly along the said shoreline 360 feet more or less to a point on the north line of Section 26; thence South 87 degrees 35 minutes 45 seconds East 238 feet more or less to the point of beginning.

and that it fully and accurately depicts all information required by Minnesota Statutes, Section 515B.2–110.
Dated this 12th day of September 2013.

Rodney Flannigan
Rodney Flannigan, Licensed Land Surveyor
Minnesota License No. 19792

SURVEYORS ACKNOWLEDGMENT

STATE OF MINNESOTA)
COUNTY OF ST. LOUIS)
The foregoing Surveyor's Certificate was acknowledged before me this 12th day September 2013 by Rodney Flannigan, Minnesota License No. 19792

Susannah Schell
Notary Public, St. Louis County, Minnesota
My Commission expires on Jan. 31, 2015

ST. LOUIS COUNTY SURVEYOR

I hereby certify that this plat has been checked and approved this 13th day of September 2013

Thomas J. O'Malley Deputy
Thomas J. O'Malley St. Louis County Surveyor

Plotted By: Chris \\BMSERVER\SurvProjects\Land Projects\BBC12-01\dwg\CRANE LAKE SHORES AMENDMENT.dwg Sep 10, 2013 – 5:16pm

HWY 24/GOLD COAST RD

PROPOSED LIFT STATION

CRANE LAKE

VISITOR'S CENTER

RECONSTRUCT DRIVEWAY ACCESS

GARBAGE/RECYCLING PAD

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BOULDER FOR UTILITY PROTECTION (TYP.)

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CHECK-IN/SHOWER BUILDING

MAINTENANCE/WOOD SHED

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UTILITY AREA (TYP.)

WATER MAIN (TYP.)

STORMWATER POND AREA

SANITARY MAIN (TYP.)

T1 T2 T3 T4 T5

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1 GROUP TENT SITES (5 TENT PADS)

N

50 0 50 100
scale 25 feet

SEH

FILE NO. CRALT 163725

DATE: 2/9/2022

SCHEMATIC SITE LAYOUT
VNP VISITOR'S CENTER
CRANE LAKE TOWNSHIP, MN

EXHIBIT NO. 1

Save: 2/9/2022 9:29 AM rkopecky Plot: 2/9/2022 9:33 AM X:\AE\C\CRALT\163725\5-final-dsgn\51-drawings\10-Civil\cad\dwg\exhibit\CA163725EX - Campground Option A.dwg