

**APPENDIX A - PROPOSAL COVER SHEET
CITY OF DULUTH
RFP 21-AA32 Professional Services for Enger Park Golf Course Design**

Bidder Information:	
Bidder Name	SAS + ASSOCIATES
Mailing Address	219 W. FIRST ST, SUITE 350 DULUTH 55802
Contact Person	LUKE SYDOW
Contact Person's Phone Number	218-391-1335
Contact Person's E-Mail Address	mail@saslandarch.com
Federal ID Number	81-3886640
Authorized Signature	
Authorized Signer's Name	LUKE SYDOW
Authorized Signer's Email Address	mail@saslandarch.com
Title	Owner/ Landscape Architect



SAS+Associate - Hours Estimate

Proposal #	20-037	Project Name	Enger Golf Proposal (RFP Number 21-AA32)
Date	11/22/2021	Client	City of Duluth

TASK DESCRIPTION	Hours Breakdown						SUBTOTAL
	SAS	NCE	Ganske	Sub			
PROJECT ELEMENTS							
Phase 1							
Preliminary Design and Cost Estimates							
Site Visit, Survey Review and Utility Investigation			8	32			
Pond Design	15	8	16	56			\$ 9,865.00
Stormwater Management Plan & Hydrologic Report		4	16	24			\$ 5,000.00
Determine Permit Requirements - DNR Coordination Approvals	40	24	24				\$ 11,480.00
Soils Determination/Quantity/Local Testing Co.						\$ 25,000.00	\$ 25,000.00
Determine Electrical Needs/Sub to do Design						\$ 5,000.00	\$ 5,000.00
Design Fairway regrading and Turf Requirements	40	6	5	18	35		\$ 8,860.00
City of Duluth Erosion Control Permit & MPCA Permit			4				\$ 560.00
City of Duluth Watermain Extension Plan		2	12	48			\$ 6,120.00
Coordinate with Irrigation Designer	20						\$ 1,900.00
Cost Estimates based on Labor	20						\$ 1,900.00
Preliminary Design and Cost Estimate Report	20			2			\$ 2,070.00
Preliminary Construction Design	20		5	20			\$ 4,300.00
Phase 2							
Construction Documentation and Bidding							
Create Irrigation Pond CDS's	5		8				\$ 1,595.00
Outfall Construction for City Water Needs			4	8	14		\$ 1,940.00
Construction Plans for Fairways	50			4	12		\$ 5,690.00
Coordinate with Irrigation Designer	20						\$ 1,900.00
Create Final Construction Plans after City Review	30		4		15		\$ 4,160.00
Bid Documents and SEQ for pricing	15		15	20	20		\$ 6,225.00
Specifications/Details	35	6	15	20	15		\$ 8,955.00
Assist in Bidding	10						\$ 950.00
Phase 3							
Construction Administration							
Inspections - hourly estimated	120	4	22	72	30		\$ 22,820.00
Limited CA for Irrigation System installation	15						\$ 1,425.00
Coordination with the DNR for Pond-Buckingham Creek Work	20						\$ 1,900.00
Inspection Walkthrough	10				5		\$ 1,200.00
Punch List Follow up walkthrough	10						\$ 950.00
Final Walkthrough	10						\$ 950.00
As Built Plans	15		4	4			\$ 2,325.00
Provide Documentation	5			4			\$ 815.00
Project Meetings in DULUTH (2)	50	12	12				\$ 8,590.00
* Assumes an Engineer signature will not be required for plan preparation, utilities plans will be signed by contractor (or contractors engineer) at time of permitting.							
Task Total	595	66	174	332	146		\$ 154,445.00

TASK DESCRIPTION	Hours Breakdown - ADDITIONAL SERVICES AS REQUIRED						SUBTOTAL
	SAS	NCE	Ganske	Sub			
SITE - LANDSCAPE ARCHITECTURE ELEMENTS							
Additional On Site Visit Per Day If Requested - SAS	8						\$ 680.00
Additional On Site Visit Per Day If Requested - NCE		8					\$ 880.00
Additional On Site Visit Per Day If Requested - GANSKE					8		\$ 400.00
Task Total	8	8			8		\$ 1,960.00

HOURLY RATES	
SAS	\$ 95.00
NCE- Principal	\$ 180.00
NCE- PE	\$ 140.00
NCE- Tech	\$ 85.00
GANSKE	\$ 50.00

REIMBURSABLES	Qty	Cost
Copies B/W	\$ 1.00	0 \$ -
Plots B/W	\$ 5.00	0 \$ -
Plots Color	\$ 10.00	0 \$ -
Boards	\$ 15.00	0 \$ -
Mileage	\$ 0.55	0 \$ -
Total Reimbursable		\$ -

SUMMARY	
Hours Total	\$ 154,445.00
Reimbursables	\$ -
Project Total	\$ 154,445.00

- SAS+Associates may shift tasks within the hours breakdown but will remain within estimate.



RFP NUMBER 21-AA32

Civil/ Landscape Architectural Design Services for

ENGER PARK GOLF COURSE

Prepared for:



Proposal issued:
9 November 2021
Proposal due:
22 November 2021

SAS

LANDSCAPE ARCHITECTURE

+ ASSOCIATES

WWW.SASLANDARCH.COM

219 West First Street, Suite 350
Duluth, MN 55802
Phone: 218.391.1335
E-mail: mail@saslandarch.com
Web : www.saslandarch.com



THANK YOU

FOR CONSIDERING US!

Dear Selection Committee:

SAS+Associates and Northland Consulting Engineers (NCE), along with John Ganske, are excited and ready to assist the City of Duluth in completing design and construction work for the Enger Park Golf Course. Our team is confident in its ability to work closely with City staff, the Irrigation Consultant and project stakeholders to provide efficient, long-term, sustainable design solutions. Strengths that SAS and NCE will contribute to the project's success include:

Demonstrated Experience. Both SAS and NCE's experience spans comprehensive planning, master planning, design, implementation, and construction services. Additionally, by working with the City of Duluth to plan and construct projects over many years, we have become familiar with the City's design standards and procedures and understand how to efficiently implement construction projects.

Creative and Innovative Design. Integrating new solutions and elements into the existing environmental and social context and character of the site as well as our approach to sustainable design is a goal throughout the design process. We thrive on challenges that require out of the box and creative solutions and are dedicated to maximizing the opportunities for quality design on every project.

Process and Communications. We are committed to working closely with the City of Duluth and stakeholders throughout the design and construction process. Understanding and communication is key to building the trust and support needed to successfully implement a project. SAS and NCE both have a long and demonstrated track record of building the relationships and developing the consensus needed for quality projects.

Enthusiasm and Efficiency. This project team will bring enthusiasm and energy to the project, working to meet the needs of the stakeholders, the City of Duluth and the community. We are committed to completing each task on time and within budget to produce high quality and creative end products.

This proposal presents the opportunity to identify needs and design long-term, sustainable solutions that will reinforce the high quality and character of Duluth's parks and recreation opportunities. If you have any questions regarding this proposal please let us know.

Luke Sydow
Owner

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1 | PROJECT GOALS

I IRRIGATION POND DESIGN & CONSTRUCTION

- Meet all regulatory requirements and obtain necessary permits from the DNR to complete pond design and construction
- Coordinate with the selected Irrigation Designer, DNR, and City to complete Design and Construction Administration for pond
- Determine soil type and quantity of pond spoils, and characterize spoils for use on future projects
- Coordinate with the selected Contractor and DNR for haul routes & storage of spoils for DNR Buckingham Creek restoration project

II DESIGN AND PROVIDE CONSTRUCTION ADMINISTRATION FOR OUTFALL OF CITY WATER SUPPLY

- Must allow for chlorine off-gassing and backflow prevention

III PROVIDE ELECTRICAL DESIGN AND CONSTRUCTION ADMINISTRATION FOR IRRIGATION PUMP STATION

IV DESIGN & COMPLETE CONSTRUCTION ADMINISTRATION FOR FAIRWAY RESHAPING AND TURF ESTABLISHMENT ON 10 HOLES

V ASSIST IRRIGATION DESIGNER IN CONSTRUCTION OVERSIGHT OF IRRIGATION SYSTEM INSTALLATION

VI MINIMIZE OVERALL CONSTRUCTION DAMAGE & NEED FOR REMEDIATION TO THE GOLF COURSE

VII COMPLETE PHASE 1 BY JANUARY 14, 2022

SAS+ ASSOCIATES

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ABOUT THE FIRM

The staff at SAS+Associates has extensive experience working in Minnesota, Wisconsin, Montana and Colorado. Our expertise in all aspects of master planning, site planning, park design, grading, storm water control, landscape design and construction administration places SAS+Associates among the most well regarded and successful site design firms in the Northland.

In 2002, after spending the previous 8+ years with design firms in Colorado and Minnesota, Luke Sydow returned to the Northland to form SAS+Associates. In creating the firm, Luke's goal was to achieve a 'Better Environment by Design'. The staff at SAS+Associates utilizes this belief in their work in Landscape Architecture and Site Design. The firm's personnel expertise lies in the following areas:

- **site planning, urban design and landscape architecture** for public and private projects
- **recreation master planning and design** for large and small communities
- **public participation processes**, for effective public and agency involvement
- developing and implementing **design guidelines and development plans** for government, corporate and residential settings
- **land use planning** of land use changes

SAS+ASSOCIATES offers expertise in all phases of site design and landscape architecture from conceptual plans to design details and careful monitoring of construction. SAS+Associates' projects are both large and small and for both public and private clients. Our clients originally come to us for this expertise; what brings them back is the way we carry out their projects.

METICULOUS ATTENTION TO DETAIL

We take pride in even the minutest aspects of our projects. We have established quality control procedures for checking all details of the drawings and specifications. We also understand the importance of details in large scale planning, such as obtaining government approvals and the subtleties of scheduling and developing funding sources.

DESIGN FIT

Does the project take advantage of the site? Does it fit in with its surroundings? In many projects we like to leave people guessing whether a design was the product of man or nature.

COST/BUDGET CONSCIOUS

There are too many examples of unrealistic designs that had to be cut back due to costs. We design for the real budget from the beginning. We have the experience and insight to help determine realistic budgets for every size and type of project.



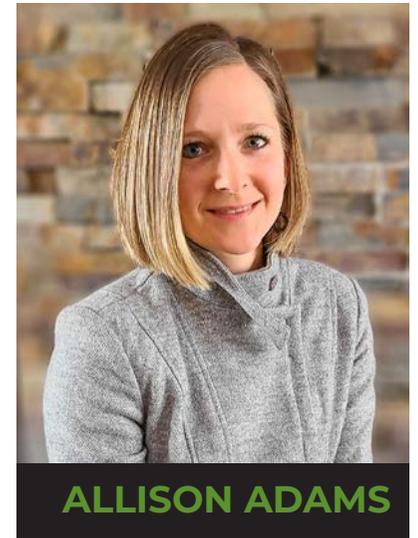
LANDSCAPE ARCHITECT

Raised in Duluth, Luke has the background and knowledge needed to work in the Northland. As a project manager, he has successfully completed numerous projects varying in funding from \$8,000 to \$12.1 million dollars. His familiarity with the preparation of rezoning submittals, conditional use permits, variances and site plan review documents as well as his design, project management and public presentation skills enable him to represent a project from its design inception through permitting and construction.

His experience includes a strong background in park master planning & design, multi-use trail master planning, commercial development, urban & residential design, construction documentation and administration, construction observation, graphics and public presentations.

Throughout Luke's career, he has worked with and oversaw the work of civil engineers, architects, surveyors and technical personnel. His familiarity and experience in preparing planning, storm water management and environmental documents further add to the depth of service SAS+Associates can offer a client.

Luke has worked for Winston Associates in Boulder, Colorado, and RLK Associates in Minnetonka, Minnesota. He adds diversity to each project from studies in Australia, extensive travels throughout Europe, South America and the United States.



LANDSCAPE DESIGNER

Originally from Wisconsin, Allison holds a **Bachelor of Landscape Architecture degree from the University of Wisconsin- Madison**. During her time at UW-Madison she had the opportunity to work as an architectural intern at the Apostle Islands National Lakeshore. After graduation Allison took a job at Peaks to Plains Design in Billings, Montana where she was exposed to all aspects of a wide range of projects, from master planning to park and streetscape design. Before relocating to Duluth, Allison worked at FRS Design in Madison, Wisconsin as an irrigation designer and consultant, where she worked with firms across the country to find practical and sustainable solutions for irrigation needs and water re-use.

DAVID BOLF, PE
PRINCIPAL, CIVIL ENGINEERING DEPARTMENT MANAGER



“The fun part about this career is the problem solving for clients. Every day is different. The NCE team is continually learning and applying new techniques to our projects.”

As Northland Consulting Engineer’s civil team lead, David has over 27 years working with developers, architects, agencies, municipalities and the public as part of a multi-disciplinary team. His civil engineering project management experience is vast and includes: geometric highway design for local, state and federal aid projects, site planning and land development, utility design and coordination, permit preparation, water main and sanitary sewer design, and storm water management planning.

As project engineer, David has led numerous commercial and institutional site development projects in Minnesota and Wisconsin. He provides comprehensive involvement in a project from preliminary design through construction administration.

PROFESSIONAL AFFILIATIONS

- City of Hermantown Engineer
- A.S.C.E.
- Duluth Builders Exchange, Past Board Director
- Town of Rice Lake, Past Utility Committee Member
- Duluth Superior Transportation Advisory Committee
- Duluth Urban Watershed Advisory Committee

PROFESSIONAL DEVELOPMENT

- Complete Streets Workshop, City of Duluth, 2010
- Indian Health Service Construction Inspection Presenter, 2014
- UMD Senior Design Mentor, 2014-15

PROFESSIONAL REGISTRATIONS

Minnesota (PE), 2001, No. 40926
 Wisconsin (PE), 2008, No. 39511
 North Dakota (PE) 2012, No.7763
 Michigan (PE) 2012, No. 6201059287

EDUCATION

North Dakota State University,
 B.S. in Civil Engineering, 1995

PROJECT EXPERIENCE

Bad River Casino Expansion, Ashland, WI [2019]

Scope: civil site planning, storm water management, parking lot improvements

Cook County North Shore Hospital, Grand Marais, MN [2015-2018]

Scope: civil site planning, storm water management, parking lot improvements, utility design coordination

St. Luke’s Chequamegon Clinic, Ashland, WI [2017-2018]

Scope: civil site planning, storm water management, parking lot

Cirrus Aircraft Facilities, Duluth, MN [2021]

Scope: civil site planning, storm water management, parking lot improvements, utility design coordination

Mora Wellness Center, Mora, MN [2017]

Scope: civil site planning, storm water management, parking lot improvements, utility design coordination

Rise Modular Owatonna, MN [2020]

Scope: Warehouse Manufacturing Facility Site Design, Truck Maneuvering, Laydown Area

Miner’s Warehouse, Duluth, MN [2014]

Scope: Truck transfer project, civil site planning, storm water management, parking lot improvements, utility design

Capstone Apartments, Duluth, MN [2017]

Scope: civil site planning, storm water management,

parking lot improvements, utility design coordination

St. Luke’s Chequamegon Clinic, Ashland, WI [2017]

Scope: civil site planning, storm water management, parking lot

Veit, Duluth, MN [2021]

Scope: New Office Building, Truck storage area, mass grading, utility design and storm water management

THE TEAM

JOHN L. GANSKE

TURF SPECIALIST/ GOLF COURSE SUPERINTENDENT

73025 Birch Grove Road
Washburn, WI 54891
715-209-2096
ganskejl@gmail.com

EXPERIENCE/EMPLOYMENT:

1979-1998	Superintendent, Spooner Golf Club, Spooner, Wisconsin
1981-1983	Supervisor for Construction and grow-in for new 9 at Spooner Golf Club, Dr. Gordon Emerson, Architect
1999-Present	Superintendent, Chequamegon Bay Golf Club, Ashland, Wisconsin
1999-2000	Supervisor for Construction and grow-in for Phase 2 for the additional 9 at Chequamegon Bay Golf Club
2007 – 2010	Turf Consultant for Apostle Highland Golf Course, Bayfield Wisconsin
2015- 2017	Turf Consultant for Madeline Island Golf Club, LaPointe, Wisconsin
2010-Present	Pesticide Application, Ashland School District and Northland College

EDUCATION:

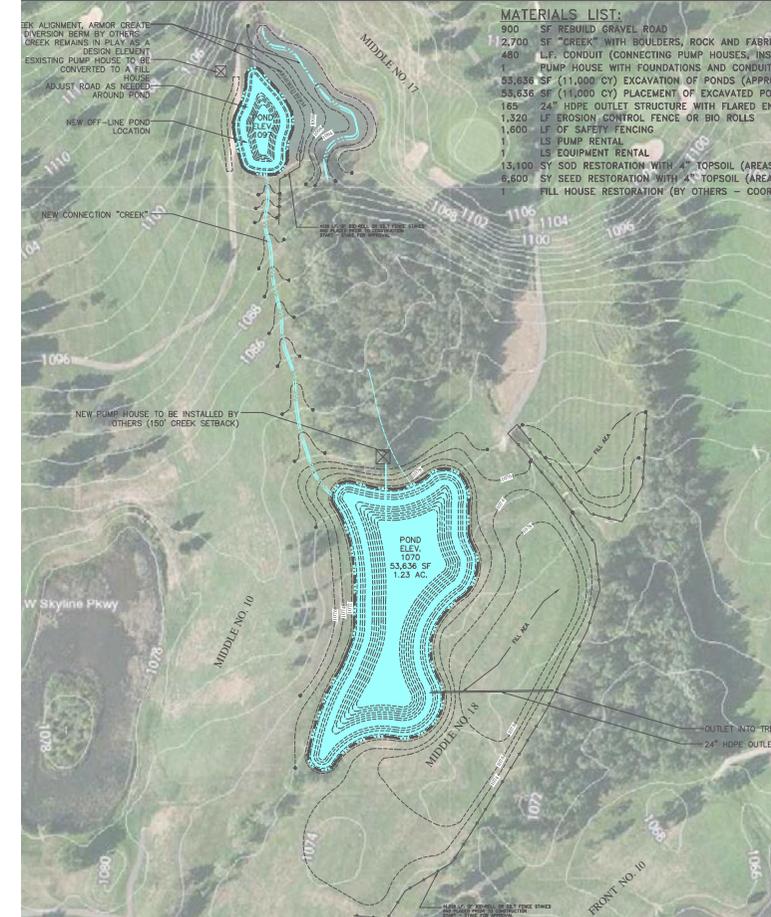
1964-1968	University of Wisconsin-River Falls B.S. in Art and Member of Golf Team
1969 (Summer)	Temple University, Tyler School of Art
1970 (Winter)	University of Wisconsin Milwaukee, School of Architecture
1970-1972	Washington University in St. Louis, M.F.A. in Sculpture
1985-Present	Over 50 Seminars at the National GCSAA Conference including Golf Course Design, Construction & Turf Care.

MEMBERSHIP:

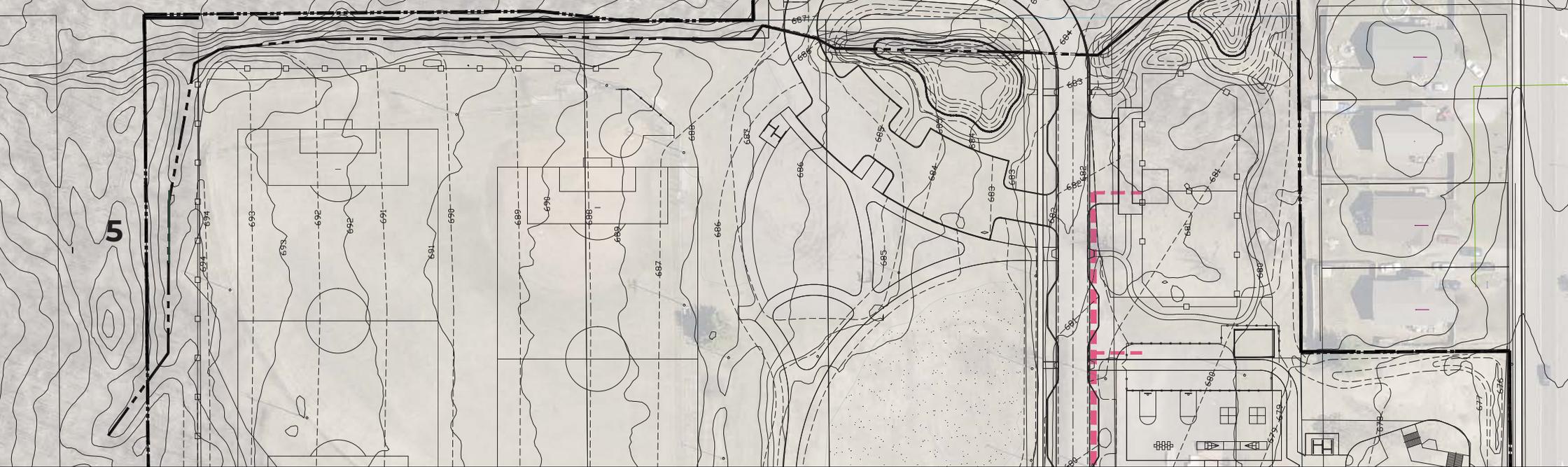
Minnesota Golf Course Superintendents Association, Class A for 41 Years
Golf Course Superintendents Association of America, Class A for 36 years
Northern Great Lakes Superintendents Association
Wisconsin Pesticide License #17136

3 | PAST WORK EXPERIENCE

- **GARY NEW DULUTH RECREATION AREA-** Duluth, MN
Master Plan & Landscape Design, Construction Documents & Administration
- **RIVERSIDE PARK-** Duluth, MN
Project Manager, Landscape Design, Construction Documents
- **MORA HIGH SCHOOL-** Mora, MN
Landscape Design, Construction Documents
- **CHESTER & CONGDON TRAIL IMPROVEMENTS-** Duluth, MN
Project Manager, Landscape Design, Construction Documents
- **LAKE MINNESUING PARK & PARK CREEK POND-** Solon Springs, WI
Project Manager, Landscape Design, Construction Documents
- **HARRISON PARK IMPROVEMENTS - PHASES I AND II-** Duluth, MN
Project Manager, Site and Landscape Design, Construction Documents
- **HERMANTOWN CITY PARK PLAN-** Hermantown, MN
Project Manager, Master Planning, Construction Documents
- **SPOONER GOLF CLUB- 9 HOLE ADDITION-** Spooner, WI
Design, Project Management, Maintenance, Additions & Improvements
- **CHEQUAMEGON BAY GOLF CLUB-** Ashland, WI
Superintendent; Course Improvements & Additions



We are driven to create practical, cost-effective design solutions that meet the needs and desires of the clients & communities we serve.



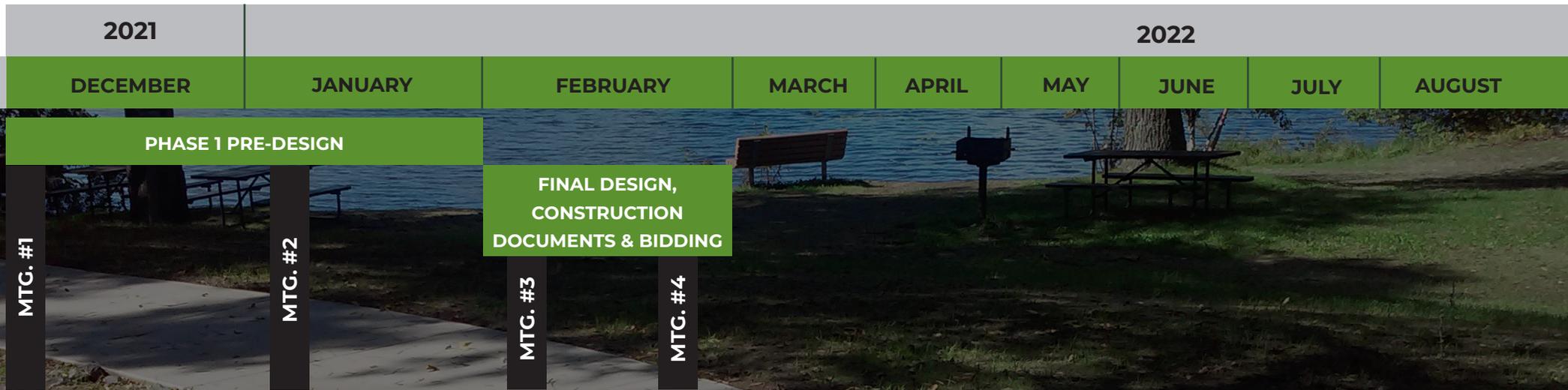
TURF & SPORTS FIELD DESIGN

GARY NEW DULUTH RECREATION AREA

Located adjacent to Stowe Elementary School and in the middle of the St. Louis River Corridor, the Gary New Duluth (GND) Community Center & Recreation Area is dedicated to providing a place to be used by members of the community for social, cultural, learning and recreational purposes. SAS+Associates was tasked with helping to develop the overall vision and to create a phased Master Plan for the GND to allow for multi-year installation and fund raising efforts. Once the Master Plan was established, SAS contributed plan sets, coordinated with contractors, and oversaw construction on the various stages of implementation, including the Phase 1 soccer field construction. SAS oversaw topsoil and seed specification, testing and establishment to ensure a quality, durable playing surface.



TIMELINE



PHASE 1

IRRIGATION POND DESIGN AND PERMITTING
 CITY WATER SUPPLY OUTFALL
 PUMP STATION ELECTRICAL DESIGN
 DESIGN FAIRWAY REGRADING & TURF
 COORDINATION w/ DNR & IRRIGATION DESIGNER
 COST ESTIMATES
 PRELIMINARY CONSTRUCTION DOCUMENTS

PHASE 2

CONSTRUCTION DOCUMENTS FOR:
 IRRIGATION POND
 CITY WATER SUPPLY OUTFALL
 PUMP STATION ELECTRICAL & INSTALLATION
 FAIRWAY REGRADING & TURF ESTABLISHMENT
 BID DOCUMENTS & ITEMIZED UNIT PRICE BID SCHEDULE
 TECHNICAL SPECIFICATIONS, DETAILS, METHODS/PROCESS FOR BIDDERS
 PRE-BID MEETING & BID PROCESS ASSISTANCE

TIMELINE GENERAL APPROACH

Technical details



PHASE 3

- CONSTRUCTION ADMINISTRATION/ OBSERVATION FOR:
 - IRRIGATION POND
 - CITY WATER SUPPLY OUTFALL
 - PUMP STATION ELECTRICAL
 - FAIRWAY REGRADING & TURF ESTABLISHMENT
- LIMITED CONSTRUCTION ADMINISTRATION FOR IRRIGATION SYSTEM INSTALLATION
- COORDINATION FOR BUCKINGHAM CREEK RESTORATION

- PUNCH LIST WALKTHROUGHS
- FINAL WALKTHROUGH
- AS-BUILT DRAWINGS FOR IRRIGATION POND, PUMP STATION & CITY WATER OUTFALL
- DNR DOCUMENTATION FOR IRRIGATION POND

WORK PLAN BREAKDOWN

WORK PLAN EXPLAINED

PHASE 1

PRELIMINARY DESIGN & COST ESTIMATES

The initial phase of this project will serve to galvanize the design team and government agency contacts in order to produce preliminary design documents and cost estimates. Designs and cost estimates will cover the irrigation pond, city water supply outfall, pump station electrical, fairway regrading and turf establishment.

Approach:

- ❑ Gather LIDAR, survey, base, and any other data that is necessary to begin preliminary design
- ❑ Using volume and surface area provided by the Irrigation Designer, begin design of irrigation pond
 - Meet with DNR and any other regulatory agencies to determine necessary permits and applicable regulations
 - Confirm with City and Irrigation designer that pond design meets all project needs
 - Have pond spoils tested for soil type and determine overall spoils quantities
- ❑ Complete preliminary designs for the following project aspects:
 - Outfall for City water supply for chlorine off-gassing and backflow prevention
 - Electrical needs for pump station (must meet all code and requirements and irrigation system demands)
 - Fairway regrading and turf establishment for Holes 2 & 9 on the Front Nine, Hole 9 on the Middle Nine, and Holes 1, 2, 5, 6, 7, 8 & 9 on the Back Nine
- ❑ Meet with Irrigation Designer to evaluate preliminary designs for constructability, compatibility with Irrigation system design, and compliance with current industry standards
- ❑ Establish preliminary cost opinions for all aspects of project (based on local labor, project labor agreement compliance and material costs)

- ❑ Gather and provide any design criteria information and visual aids related to the irrigation pond that may be necessary for permitting and/or grant applications
- ❑ Complete preliminary construction documents and specifications
- ❑ Meet with design team and City to review preliminary plans and cost estimates

Products:

- ❑ Preliminary design & cost estimates, including necessary information for permitting & grant applications
- ❑ Preliminary construction documents & specifications
- ❑ Meeting Minutes

PHASE 2

CONSTRUCTION DOCUMENTS & BIDDING

After the preliminary plan set has been presented to the City and reviewed by the design team and any required agencies, work will begin on completing the Construction Document set. Any feedback received will be incorporated into the final documents, and all necessary permits will be finalized with the proper authorizing agencies.

Approach:

- ❑ Review feedback on preliminary plans from City, DNR, Irrigation Designer, etc.
- ❑ Synthesize preliminary plans and feedback into Construction Documents for the following:
 - Irrigation Pond
 - Outfall for City water supply for chlorine off-gassing and backflow prevention
 - Electrical design and installation of pump station
 - Fairway regrading and turf establishment for Holes 2 & 9 on the Front Nine, Hole 9 on the Middle Nine, and Holes 1, 2, 5, 6, 7, 8 & 9 on the Back Nine
- ❑ Meet with Irrigation Designer to evaluate Construction Documents for final constructability, compatibility with Irrigation system design, and compliance with current industry standards
- ❑ Review Construction Documents with City staff

PHASE 2 (CONT'D)

- ❑ Complete Final Construction Document Set including the following:
 - Final plans, specifications and details
 - Bid documents and an itemized unit price bid schedule with quantities for contractor bidding
- ❑ Assist the City in pre-bid meeting(s) and the bidding process

Products:

- ❑ Final Construction Documents (Plans, Specifications and Details)
- ❑ Bid Documents
- ❑ Meeting Minutes

PHASE 3 CONSTRUCTION ADMINISTRATION

Once a Contractor has been selected and construction gets underway in late 2022, our team will assume the role of Construction Administrators, overseeing critical steps in the construction process, documenting observations, and coordinating team members, the City and reviewing agencies as required.

Approach:

- ❑ Provide periodic Construction Administration, including observation, site visit reports and coordination for the following project components:
 - Irrigation Pond
 - Outfall for City water supply
 - Pump station electric
 - Fairway regrading and turf establishment for Holes 2 & 9 on the Front Nine, Hole 9 on the Middle Nine, and Holes 1, 2, 5, 6, 7, 8 & 9 on the Back Nine
- ❑ Provide limited Construction Administration for irrigation system installation in conjunction with Irrigation Designer

PHASE 3 (CONT'D)

- ❑ Assist the DNR-led Buckingham Creek restoration project by establishing haul routes and storage locations for pond spoils
- ❑ Create a punch list for thr Contractor after completing walkthroughs to ensure the following components are being installed and/or are performing per specifications:
 - Irrigation Pond
 - Pump Station electric
 - City water outfall
 - Fairway regrading
 - Turf establishment
- ❑ Perform a final walkthrough to confirm all punch list items have been completed
- ❑ Complete as-built drawings and as-staked sheets for irrigation pond, pump station infrastructure and City water supply outfall
- ❑ Compile and provide any DNR-required documentation for the irrigation pond

Products:

- ❑ Construction observation memos from each Site Visit
- ❑ Punch List
- ❑ Final walkthrough observations/ memo
- ❑ As-built drawings/ As-staked sheets in AutoCAD and pdf formats
- ❑ DNR-required documentation for irrigatio pond

6

WORK PLAN HOURS

TASK DESCRIPTION	SAS	NCE	GANSKE	SUB	TOTAL
PHASE 1: PRELIMINARY DESIGN & COST ESTIMATES					
Site Visit, Survey Review and Utility Investigation		40			40
Pond Design	15	80			95
Storwater Management Plan & Hydrologic Report		44			44
Determine Permit Requirements - DNR Coordination Approvals	40	48			88
Soils Determination/Quantity/Local Testing Co.				40	40
Determine Electrical Needs (Sub to complete design)				40	40
Design Fairway regrading and Turf Requirements	40	29	35		104
City of Duluth Erosion Control Permit & MPCA Permit		4			4
City of Duluth Watermain Extension Plan		62			62
Coordinate with Irrigation Designer	20				20
Cost Estimates based on Labor	20				20
Preliminary Design and Cost Estimate Report	20	2			22
Preliminary Construction Design	20	25			45
PHASE 2: CONSTRUCTION DOCUMENTATION & BIDDING					
Create Irrigation Pond CDS's	5	8			13
Outfall Construction Documents for City Water Needs		26			26
Construction Plans for Fairways	50	16	30		96
Coordinate with Irrigation Designer	20				20
Create Final Construction Plans after City Review	30	4	15		49

Bid Documents and SEQ for pricing	15	35	20		70
Specifications/Details	35	41	15		91
Assist in Bidding	10				10
TASK DESCRIPTION	SAS	NCE	GANSKE	SUB	TOTAL
PHASE 3: CONSTRUCTION ADMINISTRATION					
Inspections - hourly estimated	120	98	30		248
Limited CA for Irrigation System installation	15				15
Coordination with the DNR for Pond-Buckingham Creek Work	20				20
Inspection Walkthrough	10		5		15
Punch List Follow up walkthrough	10				10
Final Walkthrough	10				10
As-Built Plans	15	8			23
Provide Documentation	5	4			9
Project Meetings in DULUTH	50	12	12		74

* ASSUMES AN ENGINEER SIGNATURE WILL NOT BE REQUIRED FOR PLAN PREPARATION.
 UTILITIES PLANS WILL BE SIGNED BY CONTRACTOR (OR CONTRACTORS ENGINEER) AT TIME OF PERMITTING.

7 | TERMS & CONDITIONS

01 ACCESS TO SITE

Unless otherwise stated, the Firm will have access to the site for activities necessary for the performance of the services. The Firm will take precautions to minimize damage due to these activities, but have not included in the fee the cost of restoration of any resulting damage.

02 SAS+ ASSOCIATES FEES

The total fee, if stated, shall be understood to be an estimate, and shall not be exceeded by more than ten percent without written approval of the Client. Where the fee arrangement is to be on an hourly basis, the rates shall be those that prevail at the time services are rendered. Current hourly rates are shown on following page.

03 BILLING/ PAYMENTS

Invoices for the Firm's services shall be submitted, at the Firm's option, either upon completion of such services or on a monthly basis. Invoices shall be payable within 30 days after the invoice date. If the invoice is not paid within 30 days, the Firm may, without waiving any claim or right against the Client, and without liability whatsoever to the Client, terminate the performance of the service. Retainers shall be credited on the final invoice.

04 LATE PAYMENTS

Accounts unpaid 60 days after the invoice date may be subject to a monthly service charge of 1.5% on the then unpaid balance (18.0% true annual rate), at the sole election of the Firm. In the event any portion or all of an account remains unpaid 90 days after billing, the Client shall pay all costs of collection, including reasonable attorney's fees.

REFERENCES

Examples of Construction and City of Duluth projects; in various sizes and in various stages of progress from partial completion to fully complete.

GARY NEW DULUTH RECREATION CENTER- Turf Completed Fall 2016

• Mark Boben
GND Development Alliance
greysolon2010@gmail.com
218-355-1349

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THANK YOU

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