

Mayor:
David Grant

Councilmembers:
Brenda Holden
Fran Holmes
Dave McClung
Jonathan Wicklund



**Special City Council Work
Session
Agenda
March 14, 2016
Immediately following the
Regular City Council
Meeting
City Hall**

Address:
1245 W Highway 96
Arden Hills MN 55112

Phone:
651-792-7800

Website:
www.cityofardenhills.org

City Vision

Arden Hills is a strong community that values its unique environmental setting, strong residential neighborhoods, vital business community, well-maintained infrastructure, fiscal soundness, and our long-standing tradition as a desirable City in which to live, work, and play.

CALL TO ORDER

1. AGENDA ITEMS

1.A. County Road E Bridge Pedestrian Lighting

John Anderson, Acting Public Works Director

Documents: [MEMO.PDF](#), [ATTACHMENT A.PDF](#), [ATTACHMENT B.PDF](#),
[ATTACHMENT C.PDF](#)

1.B. 2016 Rain Water Garden Planting, Engineering Services

John Anderson, Acting Public Works Director

Documents: [MEMO.PDF](#), [ATTACHMENT A.PDF](#), [ATTACHMENT B.PDF](#),
[ATTACHMENT C.PDF](#), [ATTACHMENT D.PDF](#), [ATTACHMENT E.PDF](#),
[ATTACHMENT F.PDF](#), [ATTACHMENT G.PDF](#), [ATTACHMENT H.PDF](#),
[ATTACHMENT I.PDF](#), [ATTACHMENT J.PDF](#), [ATTACHMENT K.PDF](#)

1.C. City Logo Signage For Front Desk

Sue Iverson, Acting City Administrator/Director of Finance
and Administrative Services

Documents: [MEMO.PDF](#), [ATTACHMENT A.PDF](#)

1.D. Discussion Of Sound Wall Logo

Sue Iverson, Acting City Administrator/Director of Finance
and Administrative Services

Documents: [MEMO.PDF](#)

2. COUNCIL/STAFF COMMENTS

ADJOURN



DATE: March 14, 2016

TO: Honorable Mayor and City Councilmembers
Sue Iverson, Acting City Administrator

FROM: John Anderson, Acting Public Works Director

SUBJECT: County Road E Bridge Pedestrian Lighting

Requested Action

Provide staff direction on the installation of two LED light fixtures and poles on the County Road E / TH 51 Bridge to light the pedestrian facility on the south side of this bridge.

Background

MnDOT reconstructed the bridge over TH 51 at County Road E in 2015. Included in that construction was placement of conduit in the bridge structure to route a power supply to two locations on the ends of the bridge for light poles if the City wished to someday install lighting. Also in 2015, the City of Arden Hills and Ramsey County had a joint improvement project along County Road E. Part of that project was the addition of pedestrian lighting along both sides of the street. The lights that were added are owned and maintained by Xcel Energy.

Discussion

Xcel will not install and maintain lighting on a bridge. MnDOT and Ramsey County are the two road authorities involved in the bridge over TH 51 at County Road E. The City is responsible for improvements on the bridge above and beyond the basic installation. The City Council expressed an interest in the addition of pedestrian lighting along the bridge. Public Works has obtained two quotes for the installation of lighting with two fixture options (HPS, LED). The quotes include placing a power supply cabinet on the west end of the bridge and directional boring a conduit to the bridge and installing all wiring and fixtures on the bridge. A power drop would be required from Xcel energy in the park, and to date we have not received an estimate on this cost. From a maintenance standpoint, we recommend using LED fixtures. The City will be responsible to maintain these poles and fixtures in the future.

We obtained two quotes for the work, one from Forest Lake Contracting and one from Peoples Electric. The results are listed in Table 1 below. We have requested three quotes but have only had two responses to date.

Table 1 - Co Rd E Bridge Lighting Quotes

No.	Contractor	LED Option
1	Forest Lake Contracting	\$ 17,173.00
2	Peoples Electric	\$ 24,400.00

The light fixture and poles are similar to that of the pedestrian lights along County Road E that Xcel maintains. The lights quoted have LED bulbs and should require less maintenance than the high pressure sodium option. The color of the fixture and pole is black and should coordinate with the existing pedestrian lighting installed by Xcel. Details of the fixtures and poles are included in Attachment C

Attachments

Attachment A: Forest Lake Contracting quote 2/26/16

Attachment B: Peoples Electric quote 3/11/16

Attachment C: LED light fixture and pole details



Attachment A

14777 Lake Drive
Forest Lake, MN 55025
PH: (651) 464-4500
FAX: (651)464-4722

PROPOSAL SUBMITTED TO

NAME City of Arden Hills: Joe Mooney
ADDRESS 1245 West Hwy 96.
CITY Arden STATE MN. ZIP 55112.
PHONE 651 792 7800

DATE 2/26/16

WORK TO BE PERFORMED AT

NAME Co. E Bridge @ Snelling
ADDRESS _____
CITY Arden Hills STATE MN. ZIP 55112

PROPOSAL TO DO THE FOLLOWING WORK:

Add a 120v/240v Type L1 Mndot lighting service on a type B pad to the west side of bridge.
Run 2" conduit to bridge Handhole from service.
Provide #6 xhhw wire from service to lights.
Furnish and install poles and fixtures, Per Arden Hills Spec.
Rake and seed area disturbed.
Electrical permit included.

Pole and fixture shop drawings to be checked by City of Arden Hills before ordering.
No replacement of sod or turf.

THE COST TO COMPLETE THIS WORK USING THE LED FIXTURES IS **\$17,173.00**
THE COST TO COMPLETE THIS WORK USING THE HPS FIXTURES IS **\$16,333.00**

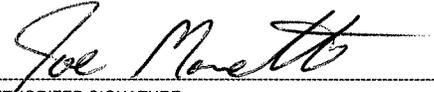
PAYMENT TO BE MADE AS FOLLOWS 30 DAYS NET.

A 1.5% per month interest fee shall be charged on any balance 30 days past due.

ACCEPTANCE OF PROPOSAL

All material is guaranteed to be as specified. All work to be completed in a workmanlike manner according to standard practices. Any alteration or deviation from above specifications involving extra costs, will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workman's Compensation Insurance.

THE ABOVE PRICES, SPECIFICATIONS AND CONDITIONS ARE SATISFACTORY AND ARE HEREBY ACCEPTED. YOU ARE AUTHORIZED TO COMPLETE THIS CONTRACT AS SPECIFIED. PAYMENT WILL BE MADE AS OUTLINED ABOVE.



AUTHORIZED SIGNATURE
Joe Monette

COMPANY

AUTHORIZED SIGNATURE

DATE OF ACCEPTANCE

3/11/2016

Joe Mooney
City of Arden Hills

Re: Snelling & CR-E Lighting

Joe,

The cost to install the two lights on the County Rd. E and Snelling bridge is as follows:

With HPS lighting – Lump Sum \$23,400.00

With LED lighting – Lump Sum \$24,400.00

This price includes the following:

- Boring under CR-F to the nearest Xcel pole to pick up power, not exceeding 130' from the hand hole on the SW quadrant of the bridge and assuming that there is 120/240 volt service available from the Xcel pole.
- Installing a lighting cabinet and foundation on the S.W. quadrant of the CR-F Bridge.
- Installing all wiring for the service and lighting.
- Installing light standards and heads.
- Quote does not include any Xcel fees if needed.

We thank you for the continued opportunity to provide for your electrical needs. Please contact us if there is any further information needed.

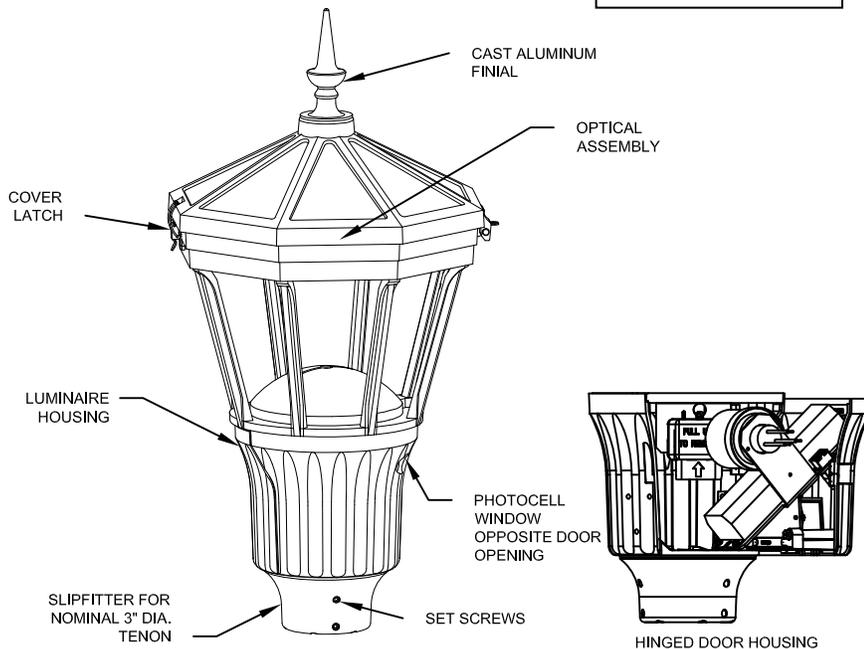
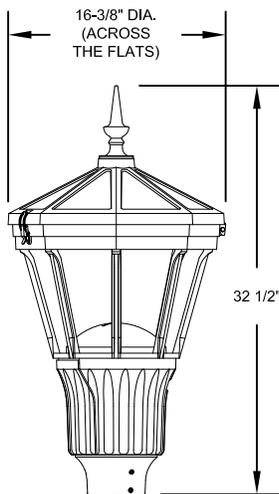
Sincerely,



Rodney Kowarsch,
Peoples Electric Company

Maximum weight - 40 lbs
 Maximum effective projected area - 1.38 sq. ft.

Attachment C



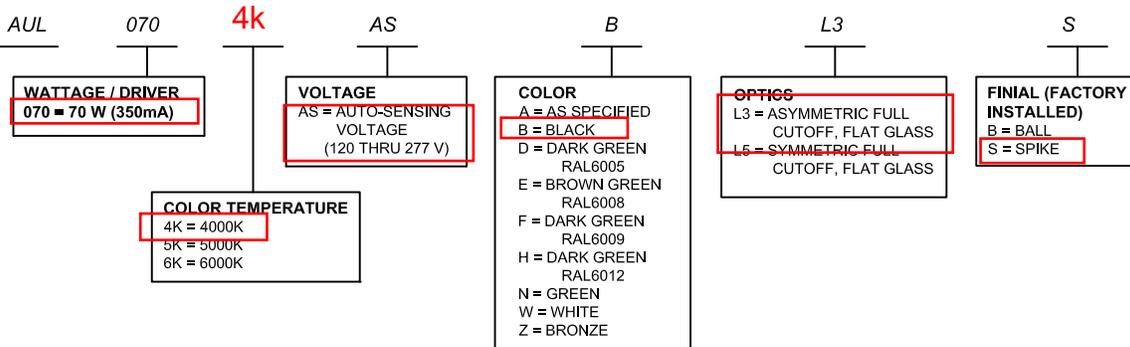
Utility Arlington[®]
 Series Luminaire
 Full Cutoff LED

DECORATIVE
 OUTDOOR

HOLOPHANE[®]
 LEADER IN LIGHTING SOLUTIONS
 An Acuity Brands Company

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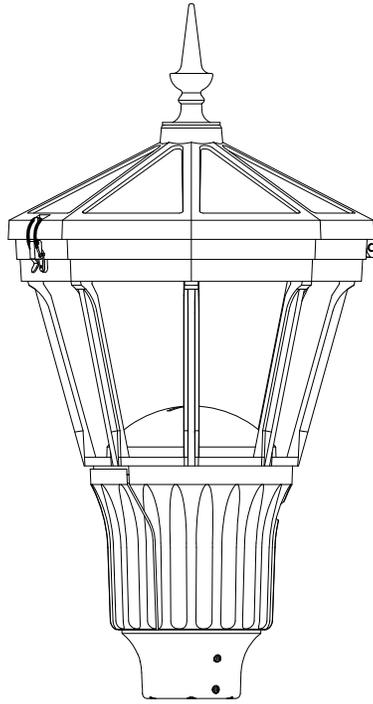
ORDERING INFORMATION:



OPTIONS

- H = NEMA TWISTLOCK PHOTOCONTROL RECEPTACLE ONLY
- L1H = 1.5 FEET OF PREWIRED LEADS
- L03 = 3 FEET OF PREWIRED LEADS
- L10 = 10 FEET OF PREWIRED LEADS
- L20 = 20 FEET OF PREWIRED LEADS
- L25 = 25 FEET OF PREWIRED LEADS
- L30 = 30 FEET OF PREWIRED LEADS
- P27 = DTL TWISTLOCK PHOTOCONTROL 120-277 VOLT (MUST BE USED WITH OPTION "H")
- PSC = SHORTING CAP (MUST BE USED WITH OPTION "H")

ORDER #:
 TYPE:
 DRAWN: KRW
 DATE: 04/01/10
 DWG #: LUM_AUL



FINIALS

BALL



SPIKE



Specifications

GENERAL DESCRIPTION

The Utility Arlington LED is designed for ease of maintenance with the plug-in driver module common to each of the luminaires in Holophane's Utility Luminaire LED Series. A precision optical system maximizes post spacings while maintaining uniform illumination.

OPTICAL SYSTEM

The optical system consists of a precisely engineered LED circuit board located in the top cover. A gasket between the cover and ring along with a flat glass plate and gasket beneath the reflector create a sealed optical compartment that meets an IP65 rating. Optics designed to provide an I.E.S. Asymmetric or Symmetric full cutoff distribution are available.

LUMINAIRE HOUSING

The luminaire housing, cast of aluminum, anchors the optical system and provides an enclosure for the plug in electrical module. The electrical enclosure conforms to an IP55 rating. For use with units with an E.E.I.-N.E.M.A. twist lock photocell receptacle, the housing contains a glass "window" to allow light to reach the cell. The three station incoming line terminal block are pre-wired to a five conductor receptacle for ease in connecting the electrical module. A slipfitter will accept a 3" high by 2 7/8" to 3 1/8" O.D. pole tenon.

LUMINAIRE HOUSING DOOR

Cast of aluminum, the housing door is hinged and latched to the housing. The door forms the mount for the electrical module, and allows easy access during maintenance.

ELECTRICAL MODULE

The electrical components are mounted to an aluminum plate that is removable with standard tools. A matching five plug connector connects the electrical components to the surge protector for quick replacement. For Photoelectric operation, the electrical module is provided with an E.E.I.-N.E.M.A. twist lock Photocell receptacle.

TOP COVER

The octagonal cover, cast of aluminum, is attached to the top ring of the luminaire housing by two stainless steel hinge pins. The cover is latched by an overcenter, positive action, stainless steel latch which allows for optical chamber access

DRIVER

(Refer to Driver Data Sheet for specific operating characteristics) 50 or 60 Hz voltage sensing 120-277V >90% efficient electronic. Potted for increased thermal management. Removable through hinged door housing.

FINISH

The luminaire is finished with polyester powder paint to ensure maximum durability.

UL

The luminaire is UL listed as suitable for wet locations at a maximum of 40 degrees C ambient temperature.

**Utility Arlington[®]
Series Luminaire
Full Cutoff LED**

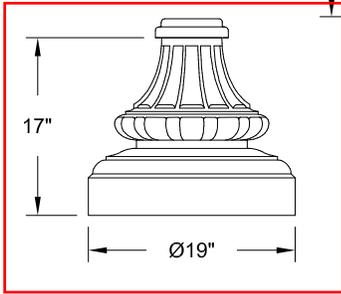
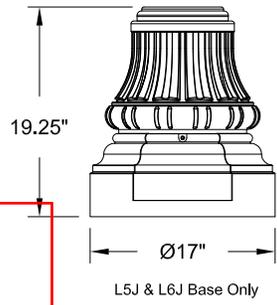
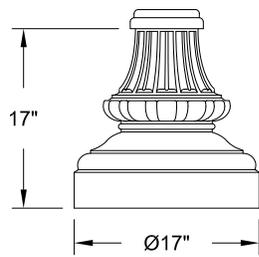
**DECORATIVE
OUTDOOR**



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ORDER #:	
TYPE:	
DRAWN:	KRW
DATE:	04/01/10
DWG #:	LUM_AUL

2 OF 2



Shaft Style



4.5" L4E



4" Dia. Smooth
S4C & S4J



3"-4" Dia. Tapered
T4C



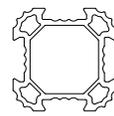
5.25" L5J



5" Dia. Smooth
S5J



3"-5" Dia. Tapered
T5C



5.75" L6J



5" Dia. Fluted
F5J



4" Dia. Fluted
F4C & F4J

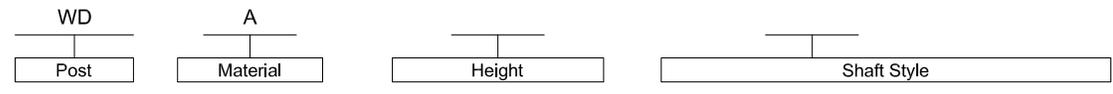


Fluted Tapered
FTJ

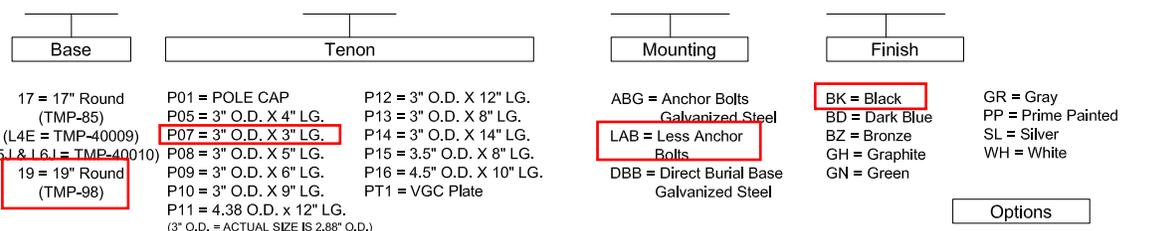
TM
WADSWORTH
Aluminum Pole

Architectural
Outdoor

ORDERING INFORMATION:



- WD = Wadsworth A = Aluminum
- 08 = 8'-0" Cast Pole
- 10 = 10'-0" 08 = 8'-0"
- 12 = 12'-0" 10 = 10'-0"
- 14 = 14'-0" 12 = 12'-0"
- 16 = 16'-0" 14 = 13'-7"
- 18 = 18'-0"
- 20 = 20'-0"
- 22 = 22'-0"
- FTJ = Fluted Tapered (Cast), .125 Wall
- F4C = 4" DIA. Fluted, .125 Wall
- F4J = 4" DIA. Fluted, .25 Wall
- F5J = 5" DIA. Fluted, .25 Wall
- L4E = SiteLink 4.5" Fluted, .156 Wall
- L5J = SiteLink 5.25" Fluted, .25 Wall
- L6J = SiteLink 5.75" Fluted, .25 Wall
- S4C = 4" DIA. Smooth, .125 Wall
- S4J = 4" DIA. Smooth, .25 Wall
- S5J = 5" DIA. Smooth, .25 Wall
- T4C = 3" to 4" DIA. Tapered, .125 Wall
- T5C = 3" to 5" DIA. Tapered, .125 Wall



- 17 = 17" Round (TMP-85)
- (L4E = TMP-40009)
- (L5J & L6J = TMP-40010)
- 19 = 19" Round (TMP-98)
- P01 = POLE CAP
- P05 = 3" O.D. X 4" LG.
- P07 = 3" O.D. X 3" LG.
- P08 = 3" O.D. X 5" LG.
- P09 = 3" O.D. X 6" LG.
- P10 = 3" O.D. X 9" LG.
- P11 = 4.38 O.D. X 12" LG. (3" O.D. = ACTUAL SIZE IS 2.88" O.D.)
- P12 = 3" O.D. X 12" LG.
- P13 = 3" O.D. X 8" LG.
- P14 = 3" O.D. X 14" LG.
- P15 = 3.5" O.D. X 8" LG.
- P16 = 4.5" O.D. X 10" LG.
- PT1 = VGC Plate
- ABG = Anchor Bolts Galvanized Steel
- LAB = Less Anchor Bolts
- DBB = Direct Burial Base Galvanized Steel
- BK = Black
- BD = Dark Blue
- BZ = Bronze
- GH = Graphite
- GN = Green
- GR = Gray
- PP = Prime Painted
- SL = Silver
- WH = White

SPECIFICATIONS

DESCRIPTION
The lighting post shall be all aluminum, one-piece construction, with a classic tapered and fluted base design.

MATERIALS
The base and fluted tapered cast shaft shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The straight shafts shall be extruded from aluminum, ASTM 6061 alloy, heat treated to a T6 temper. The tapered shaft shall be extruded from aluminum, ASTM 6063 alloy, spun to a tapered shape, then heat treated to a T6 temper. All hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized.

CONSTRUCTION
The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be welded inside the base casting at the top of the access door, and externally where the shaft exits the base. All welding shall be per ANSI/AWS

DIMENSIONS
The post shall be X'- XX" in height with a 17" or 19" diameter base. The shaft diameter shall be XX". At the top of the post, an integral tenon with a transitional donut shall be provided for luminaire mounting.

INSTALLATION
The post shall be provided with four, hot dip galvanized L-type anchor bolts. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

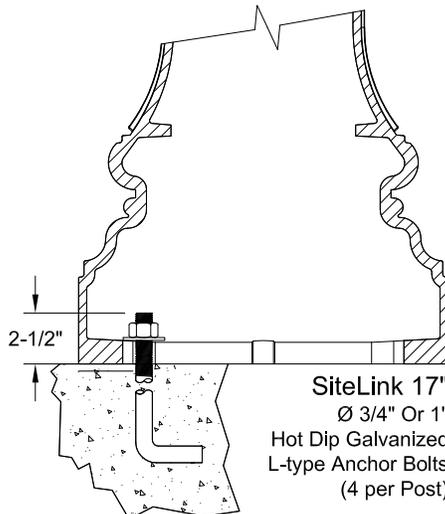
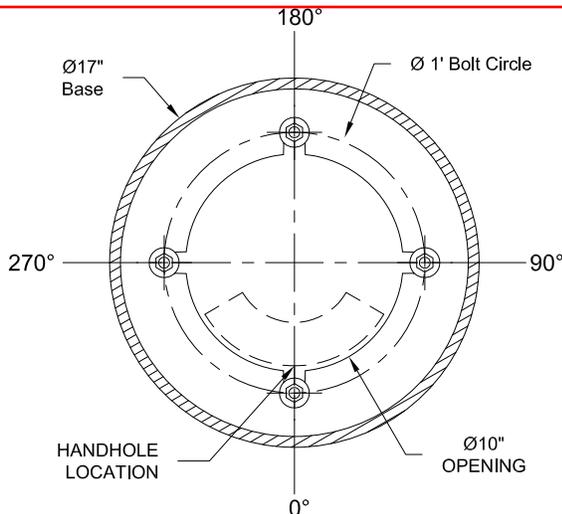
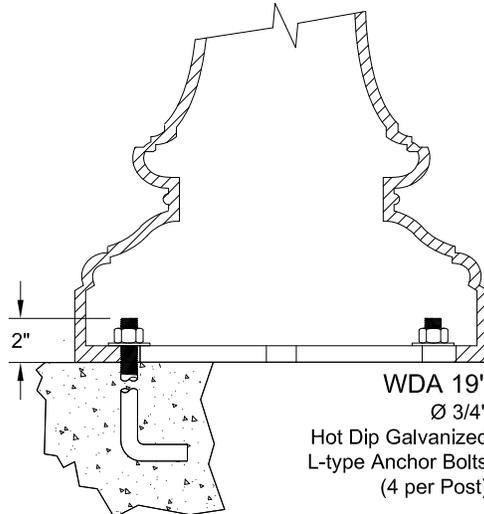
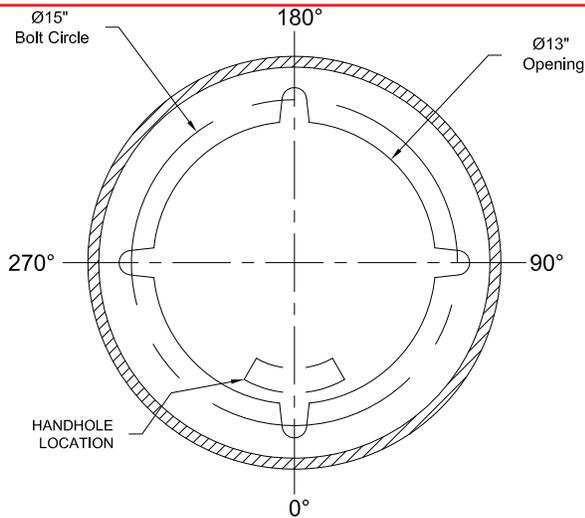
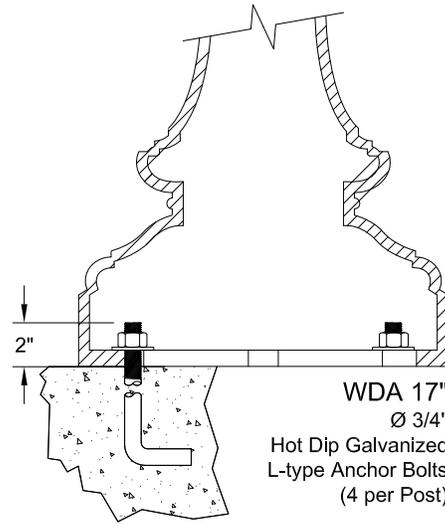
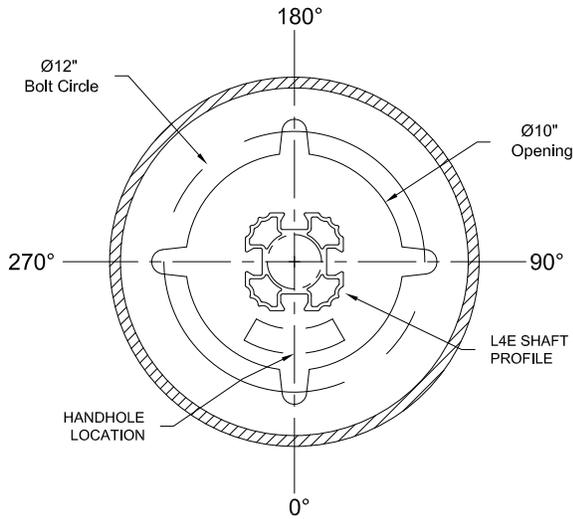
2 - Replace "XXX" with height from grade (inches), can be up to 3 digits. Must use whole numbers. Leading zeros are not used. Replace Y with orientation from hand hole (A=0, B=90, C=180, D=270). Add multiple provisions as necessary to cover each location. Must validate EPA restrictions for banners.

HOLOPHANE
LEADER IN LIGHTING SOLUTIONS
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DATE:	05/19/11
DWG #:	POL_WDA

ANCHORAGE GUIDE



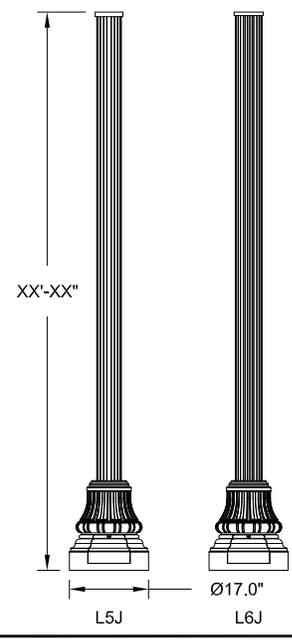
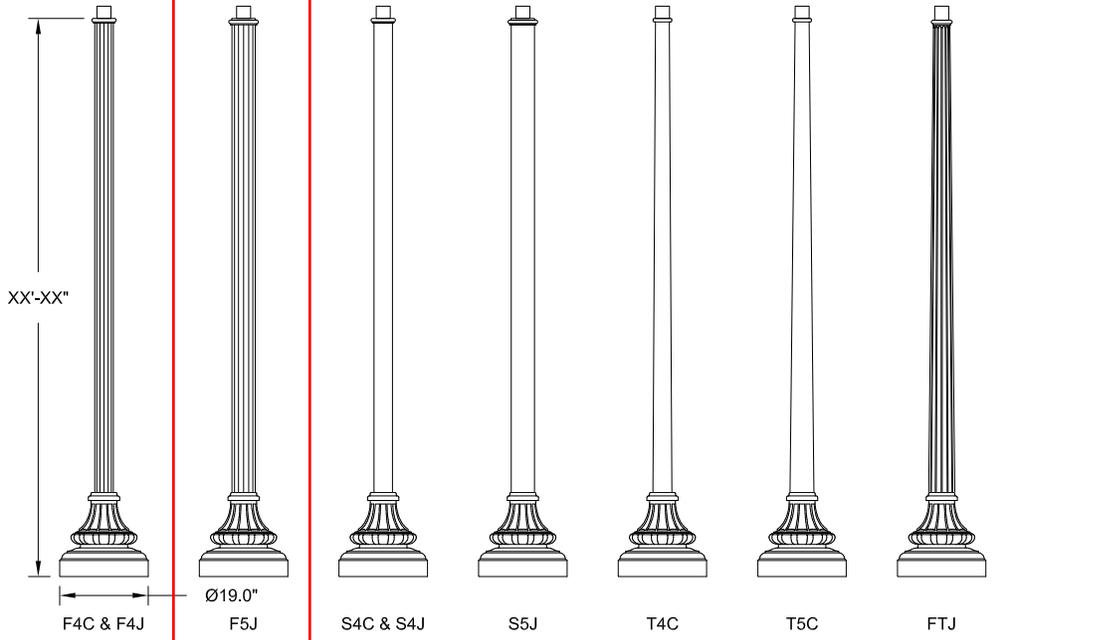
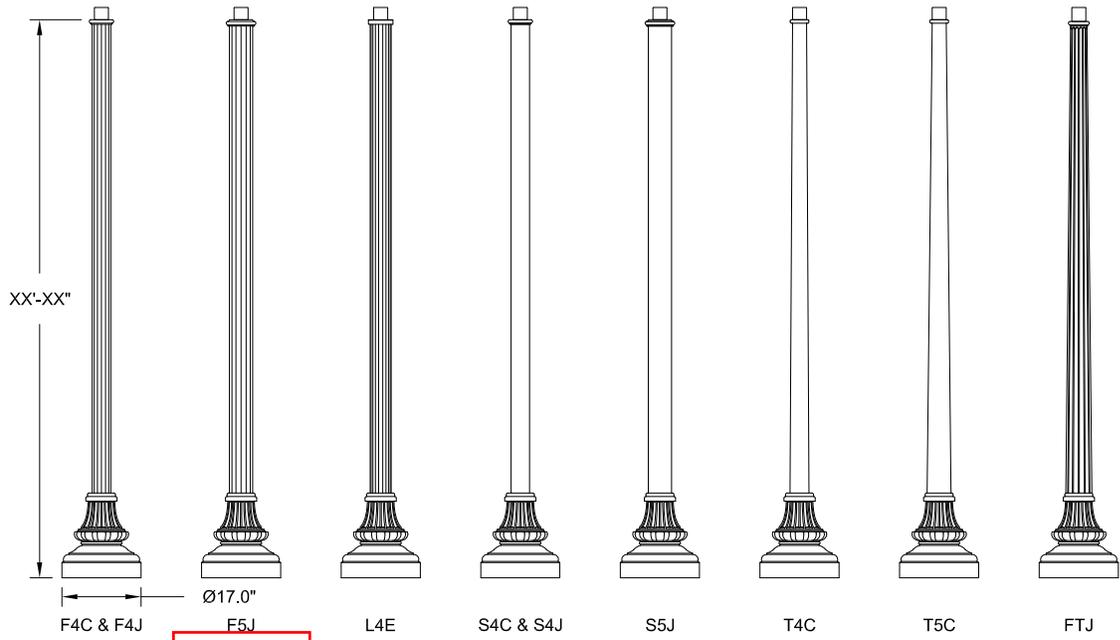
WADSWORTH™
Aluminum Pole

Architectural
Outdoor

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WADSWORTH™
Aluminum Pole

**Architectural
 Outdoor**



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ORDER #:	
TYPE:	3
DRAWN:	KRW
DATE:	05/19/11
DWG #:	POL_WDA



ARDEN HILLS
MEMORANDUM

DATE: March 14, 2016

TO: Honorable Mayor and City Councilmembers
Sue Iverson, Acting City Administrator

FROM: John Anderson, Acting Public Works Director

SUBJECT: 2016 Rain Water Garden Planting

Requested Action

Review background material and give staff direction on a course of action to complete design of planting layouts, coordination with residents, obtaining pricing for plant materials and assisting in planting layout of the 22 front yard rain water gardens and 2 larger City gardens along trails.

Background

The Rice Creek Watershed District Rules require the City install storm water treatment in conjunction with construction of the 2015 PMP. The construction that took place in 2015 prepared rain water gardens for planting by excavating, installing drain tile, and placement of planting soil and mulch. Rain Water Gardens located in front yards were only put in if the residents volunteered the space. When we solicited volunteers for rain water gardens, residents were told the planting would be done in 2016. We also told residents that the City would partner with them on maintenance of the gardens. Some basic planting plans were described but residents were told specific plans to each garden would be developed and shared before planting begins. Attachment A is the letter that was sent to prospective rain garden hosts. Attachment B contains materials provided to potential rain garden participants about design, construction and planting options. Attachments C and D shows the rain garden footprint proposed to be constructed.

Discussion

In order to proceed with the rain water garden planting, we need to assemble planting layouts, coordinate with residents, get quotes for plant materials, physically mark layout, and plant the plant materials. In 2015, we had planned to do this work though the Assistant City Engineer as the lead and I did most of the leg work in collecting volunteers, mailing information to residents, etc. With the current limitations on my time, I am unable to devote the time needed to this process and need assistance to complete the preparations for planting. All of this work described is the planning and preparation prior to the actual planting of the plants.

Once the plant materials arrive and are ready to be planted, we will need to coordinate this work. I anticipate the installation of the plant material will be done by a combination of residents, seasonal employees, and public works employees.

Proposals for this work were solicited from multiple vendors (Attachment E) including Ramsey Conservation District, greenhouse and plant supply vendors, and an engineering firm. Vendors not used previously were chosen from a list provided by the Minnesota DNR of Native plant nurseries that listed rain garden design as a service. We received 2 proposals, neither of which were from greenhouse or plant material supply vendors. Responses to the RFP are included in Attachments F thru K. Table 1 below shows the vendors contacted and their response.

Table 1 - 2016 Rain Garden Planting RFP Response

No	Company	Phone	Reply
1	Cedar Hill Natives	651-252-7598	not interested in providing a quote
2	Minnesota Native Landscapes	763-295-0010	no response
3	Native plant nursery	763-780-9717	not interested in providing a quote
4	Naturalshore technologies	612-703-7581	no response
5	Outback nursery	651-438-2771	not interested in providing a quote
6	Prairie restoration	763-389-4342 612-708-9874	not interested in providing a quote
7	Applewood Nursery	651-462-5554	no response
8	Ramsey Conservation District	651-266-7270	\$ 9,800.00
9	Elfering and associates	763-780-0450	\$ 8,900.00

The cost for the design, plant materials and related costs would be funded by the Surface Water Management enterprise fund.

Attachments

Attachment A: Solicitation letter sent to residents interested in rain gardens (April 10, 2015)

Attachment B: Typical design and planting options included with April 10, 2015 letter

Attachment C: Specific rain garden location map by address

Attachment D: layout of 2 larger rain gardens along city trails

Attachment E: Request for proposals (RFP)

Attachment F: Response to RFP from Cedar Hill Natives

Attachment G: Response to RFP from Native Plant Nursery

Attachment H: Response to RFP from Out Back Nursery

Attachment I: Response to RFP from Prairie Restoration

Attachment J: Response to RFP from Ramsey Conservation District

Attachment K: Response to RFP from Elfering and Associates

Attachment A

April 10, 2015

Name
Street
City

NAME:

Thank You for your interest in having a rainwater garden on your property. We have made a sketch of a possible layout of a rainwater garden on your property to give you an idea of where and what size we envision fitting into your yard. Additionally we have included information showing a typical cross-section of the construction as well as possible planting plans. The planting plan will need to be customized to your site based on how much sun the garden location gets. We will be looking into this next. We would not plan on planting the gardens this year but focus on getting the grading, soil amendments and drainage in place so that we can follow up with planting in 2016.

We wanted to get these layouts to you as well as the samples of the planting plans so you can start thinking about any feedback you would like to share with us.

I am more than happy to meet with you at your home to answer any questions you may have. My contact information is as follows:

John Anderson, Assistant City Engineer, at (651) 792-7846 or janderson@cityofardenhills.org.

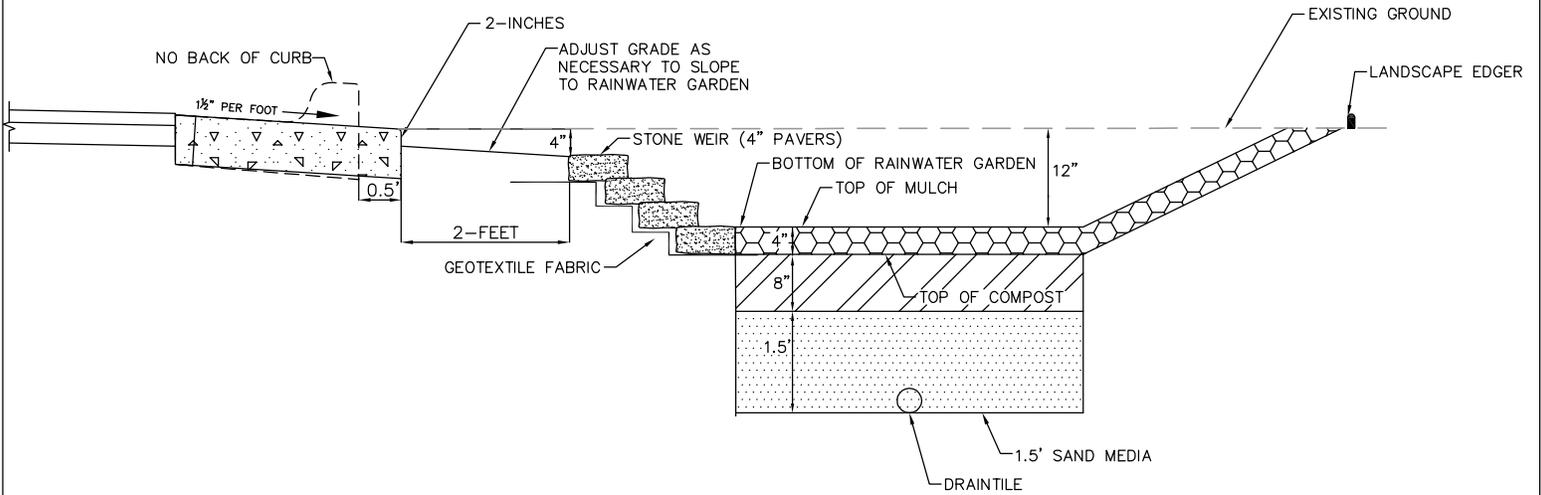
Sincerely,

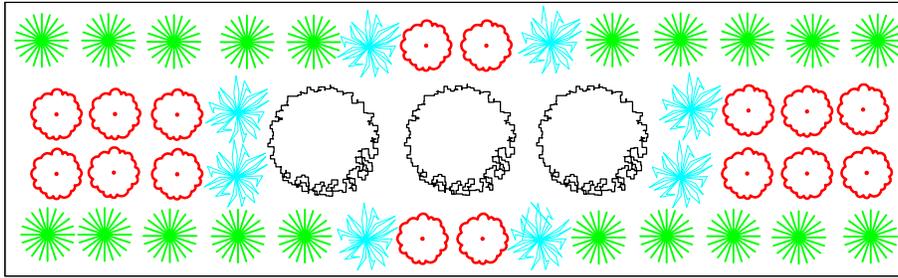


John Anderson
Assistant City Engineer

enc: Rainwater Garden Layout
sample planting plan
typical cross-section

Attachment B

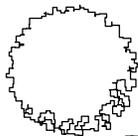




 BLUE EYED GRASS (20)
  BLUE FLAG IRIS (8)

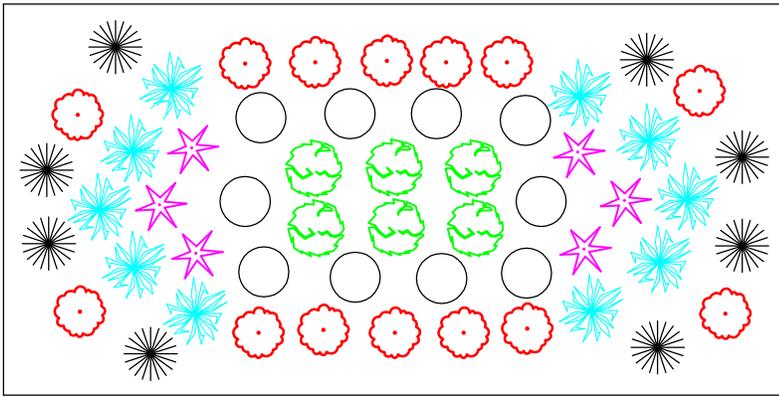


 BLACK EYED SUSANS & PURPLE CONEFLOWER (16)



AMERICAN CRANBERRY BUSH (3)





☼ BLUE EYED GRASS



★ BLAZING STAR (6)



☼ BLUE FLAG IRIS (10)



☼ BLACK EYED SUSANS & PURPLE CONEFLOWER (14)

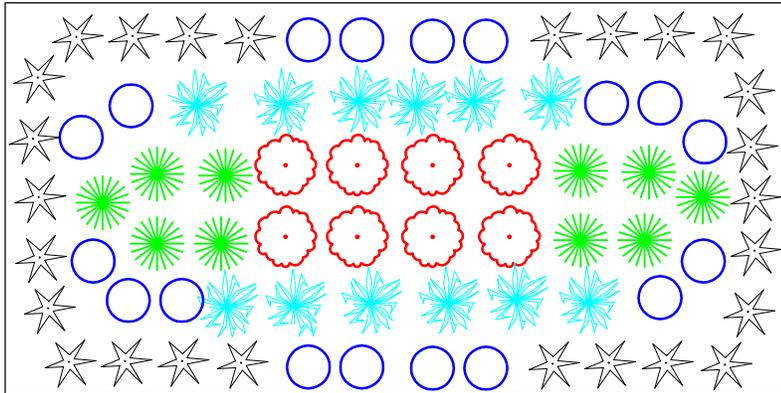


☼ PRAIRIE CORDGRASS (6)



○ BONESET (10)





○ HOSTA (18)



🌸 CARDINAL FLOWER (8)



🌿 OSTRICH FERN (10)



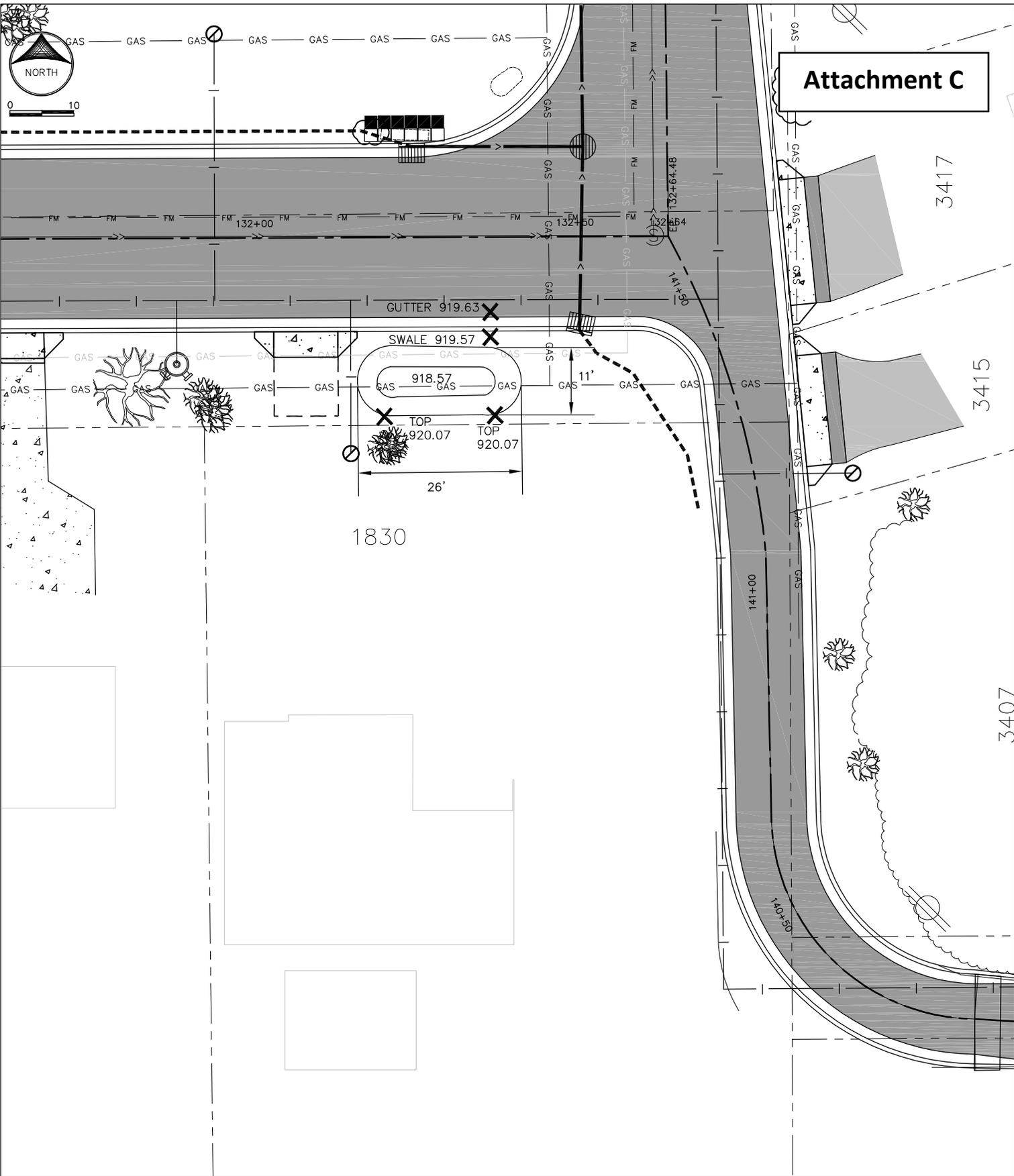
★ MARSH MARIGOLD (26)



🌸 VIRGINIA BLUEBELLS (12)



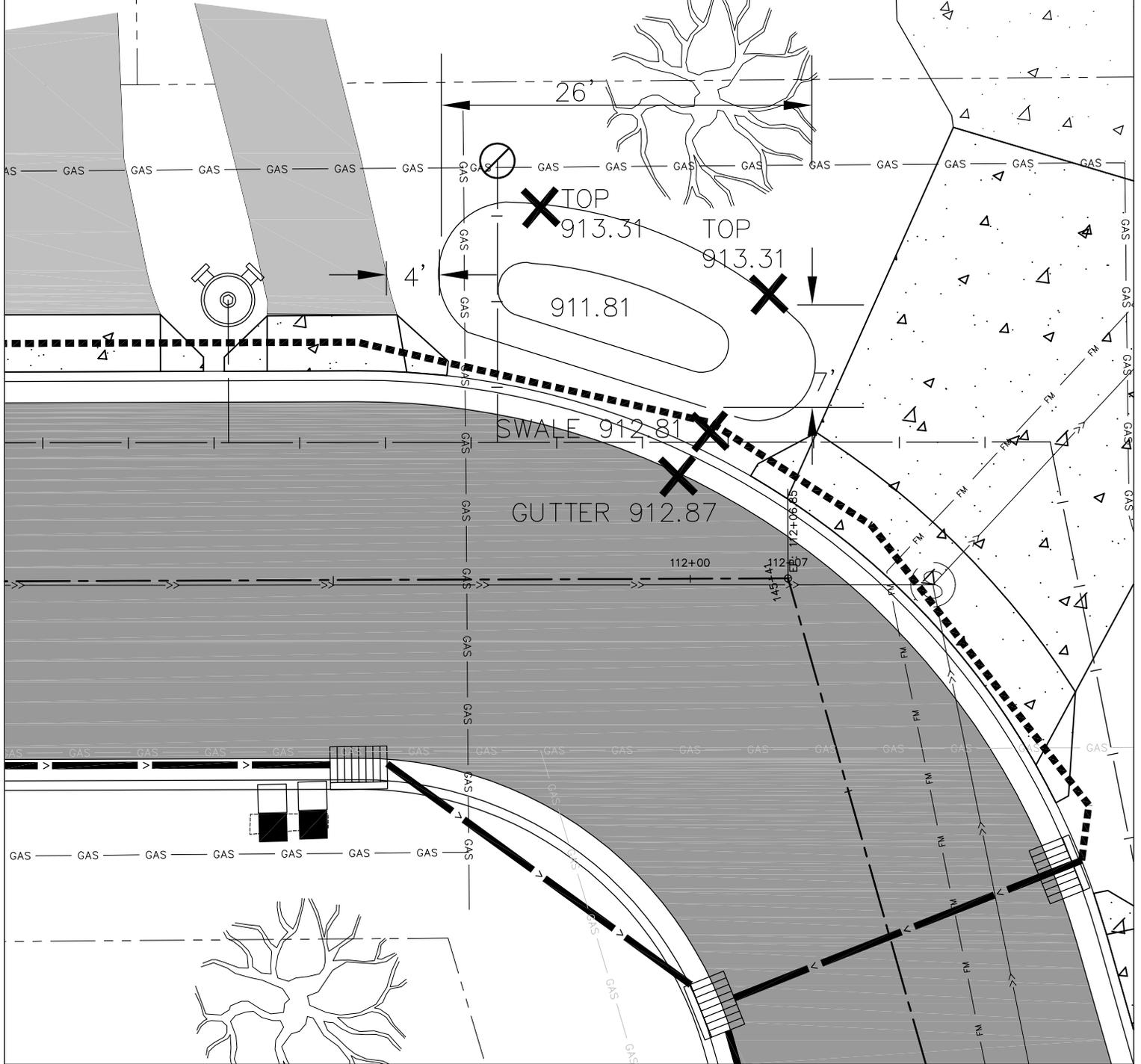
Attachment C





0 5

1831



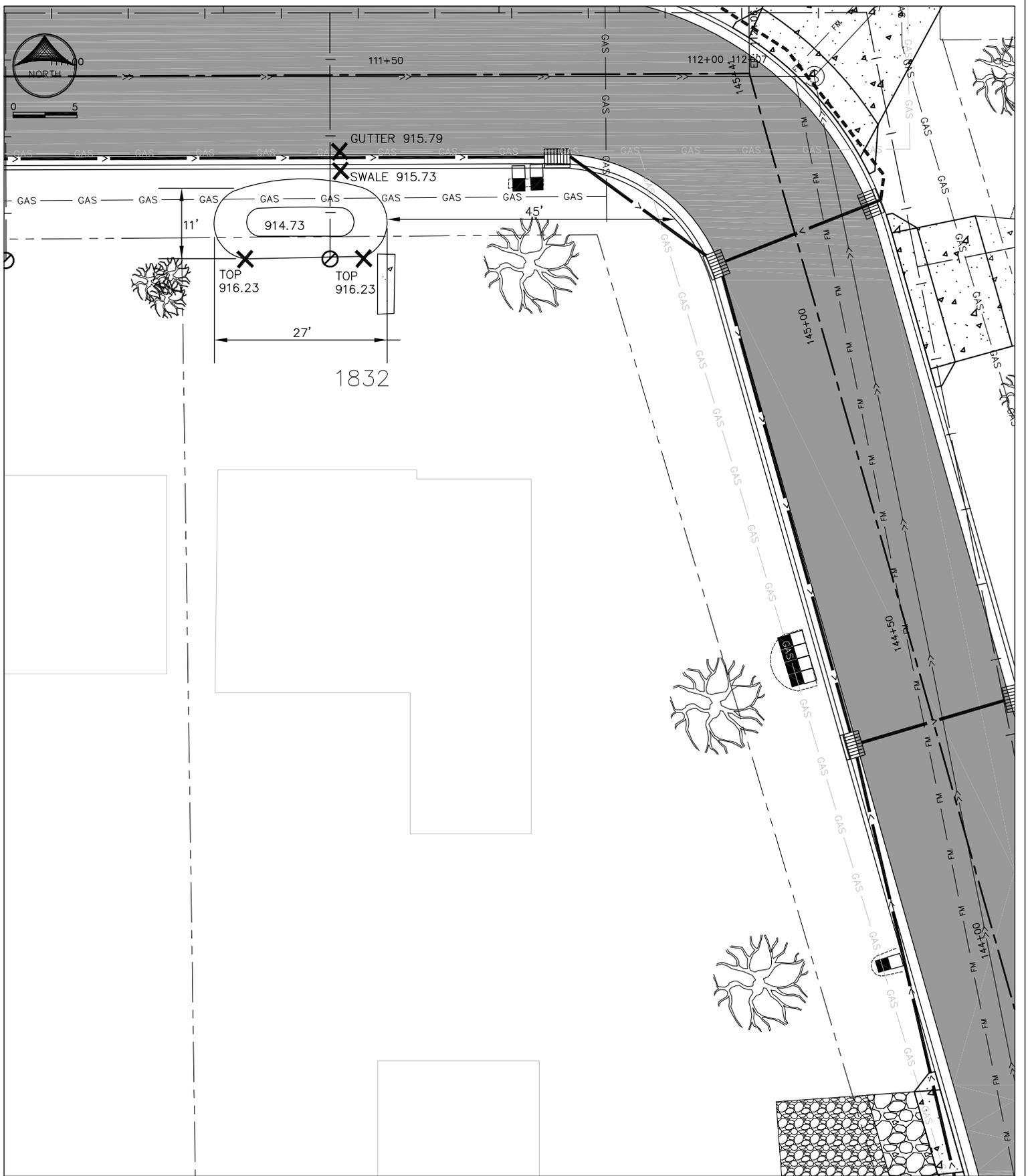
ELFERING & ASSOCIATES

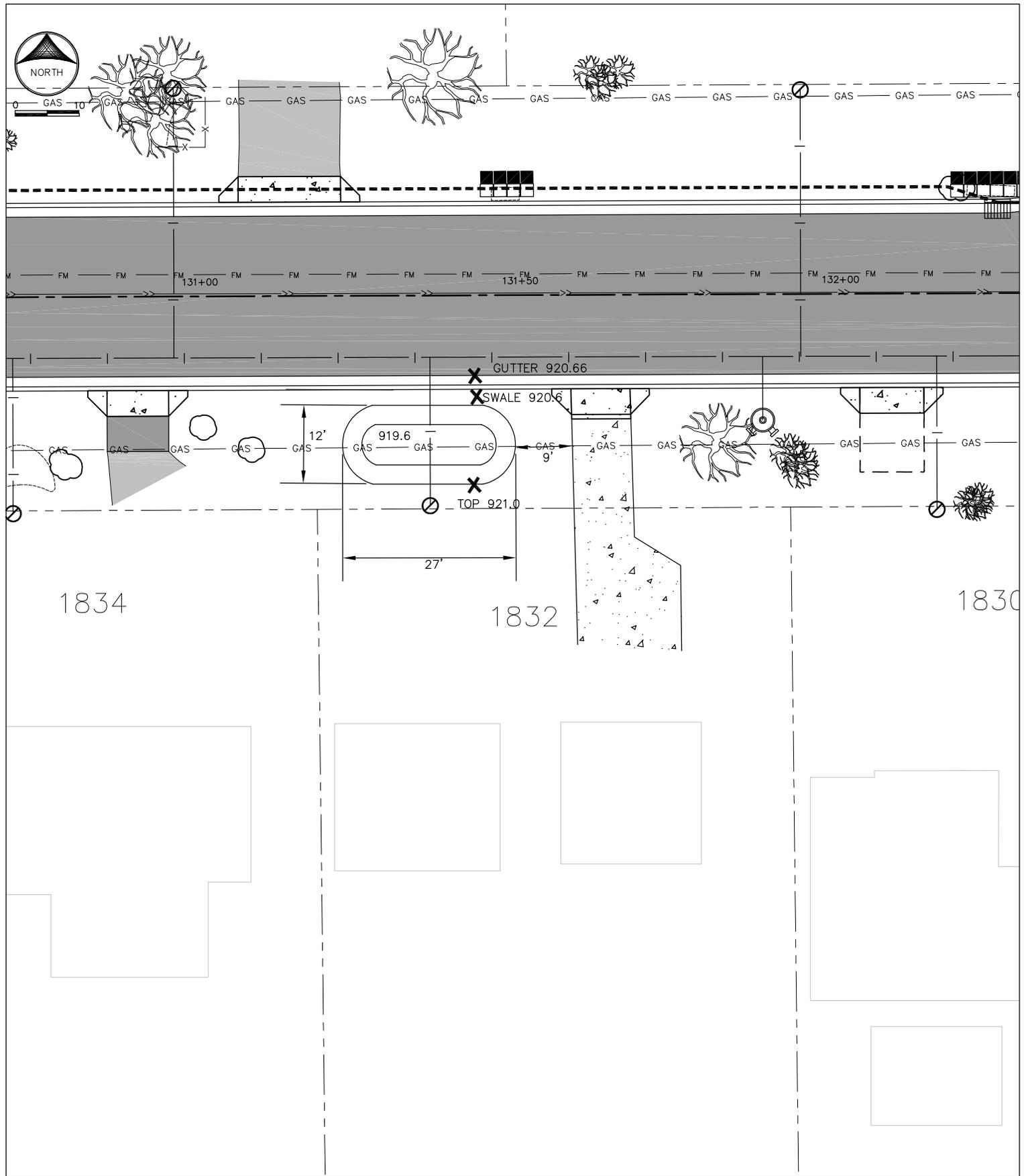


10062 FLANDERS COURT • BLAINE, MN 55449
(763) 780-0450

Rain Water Garden
1831 Grant Road



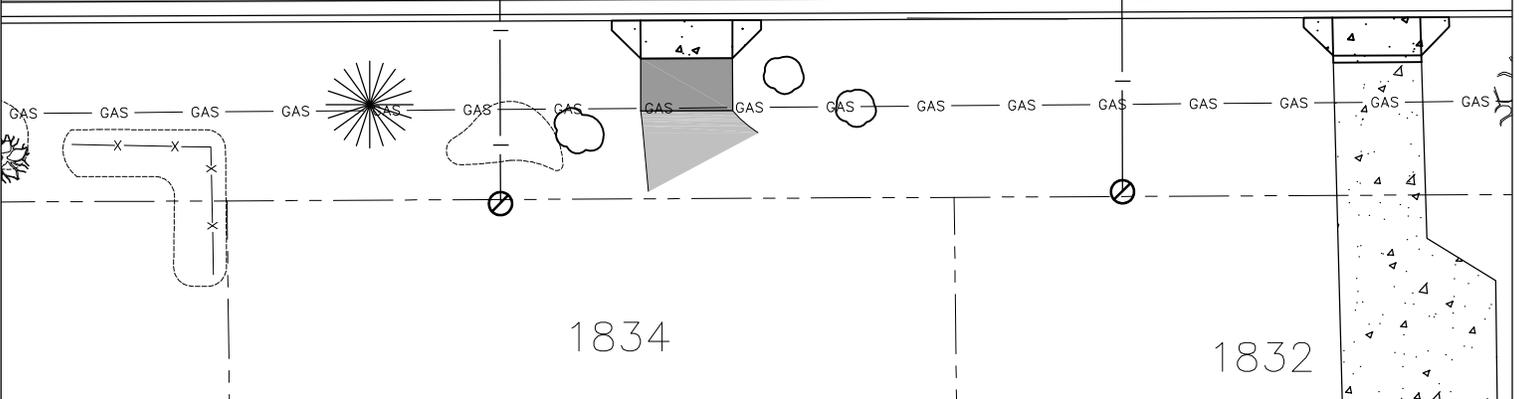
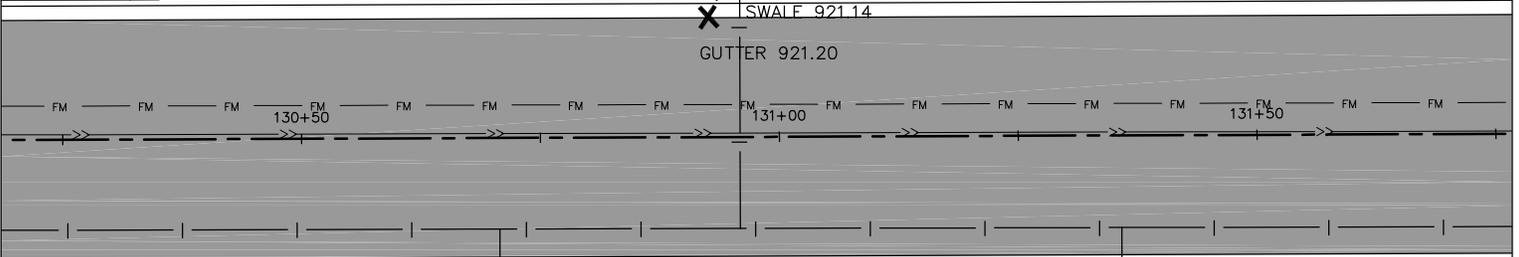
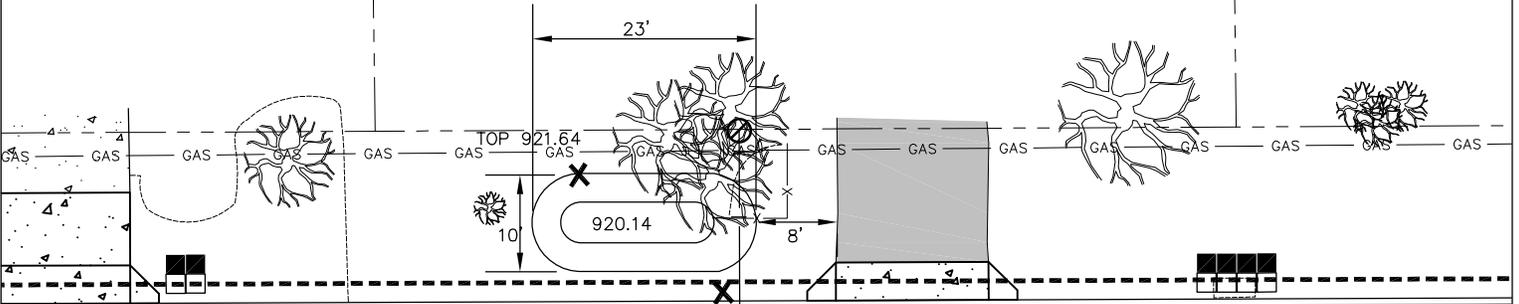






0 10

1839



ELFERING & ASSOCIATES

TRUE NORTH

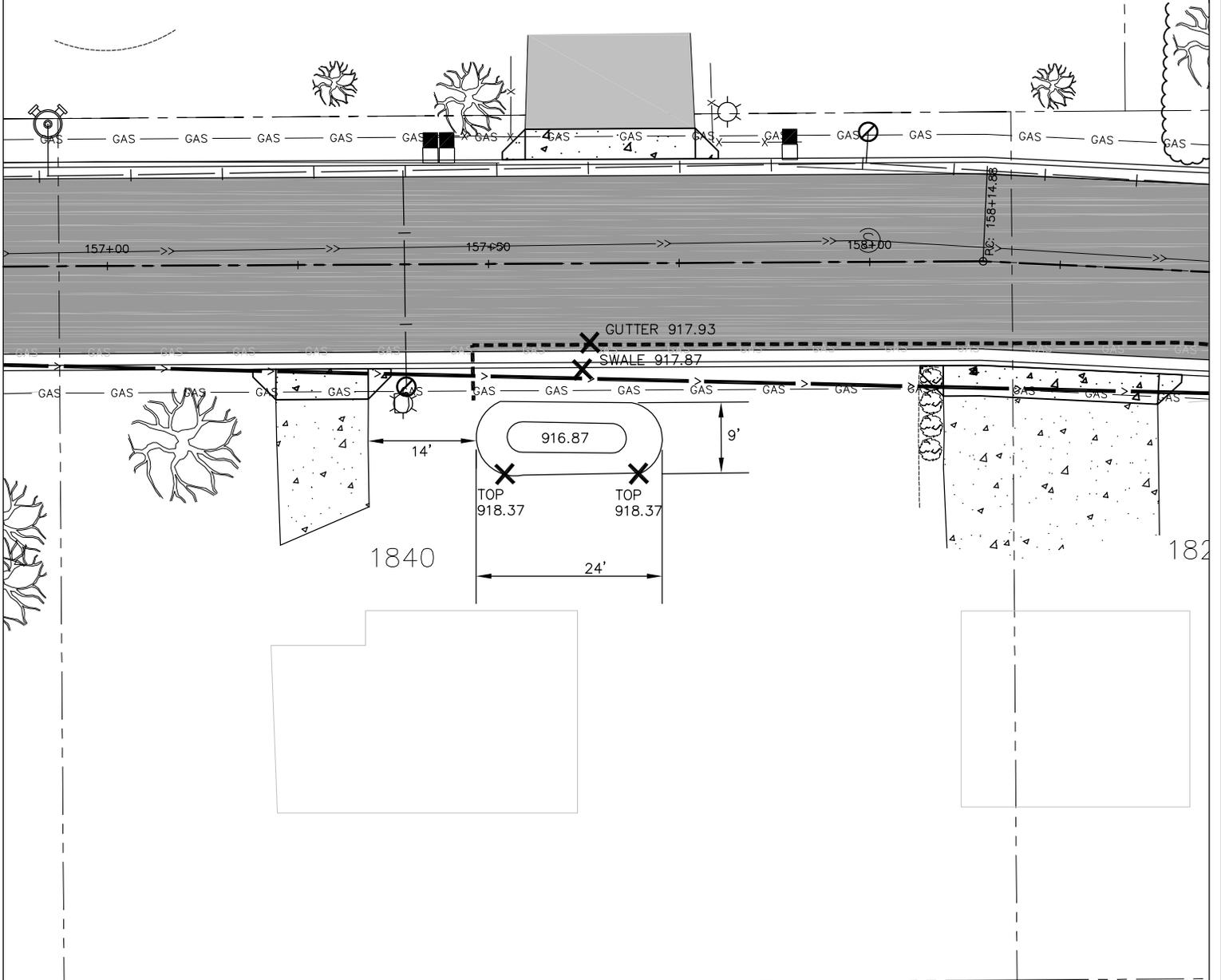
10062 FLANDERS COURT • BLAINE, MN 55449
(763) 780-0450

Rain Water Garden
1839 Noble Road

ARDEN HILLS



1833





0 5

1843

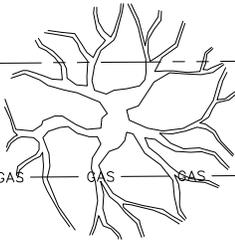
24'

TOP
918.15

TOP
918.15

GAS GAS GAS GAS GAS

GAS GAS GAS GAS GAS GAS GAS GAS GAS GAS GAS GAS



10'

916.95

12'

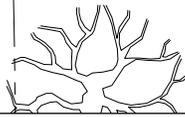
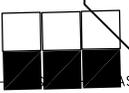
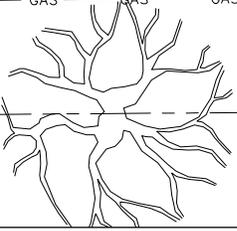
SWALE 917.95

GUTTER 918.01

110+50

GAS GAS

GAS GAS GAS GAS GAS GAS GAS GAS GAS GAS GAS GAS



ELFERING & ASSOCIATES



10062 FLANDERS COURT • BLAINE, MN 55449
(763) 780-0450

Rain Water Garden
1843 Grant Road





0 10

1849

26'

TOP
921.97

TOP
921.97

920.47

21'

SWALE 921.47

GUTTER 921.53

FM 129+50 FM 130+00 FM 130+50

1848

1834

ELFERING & ASSOCIATES



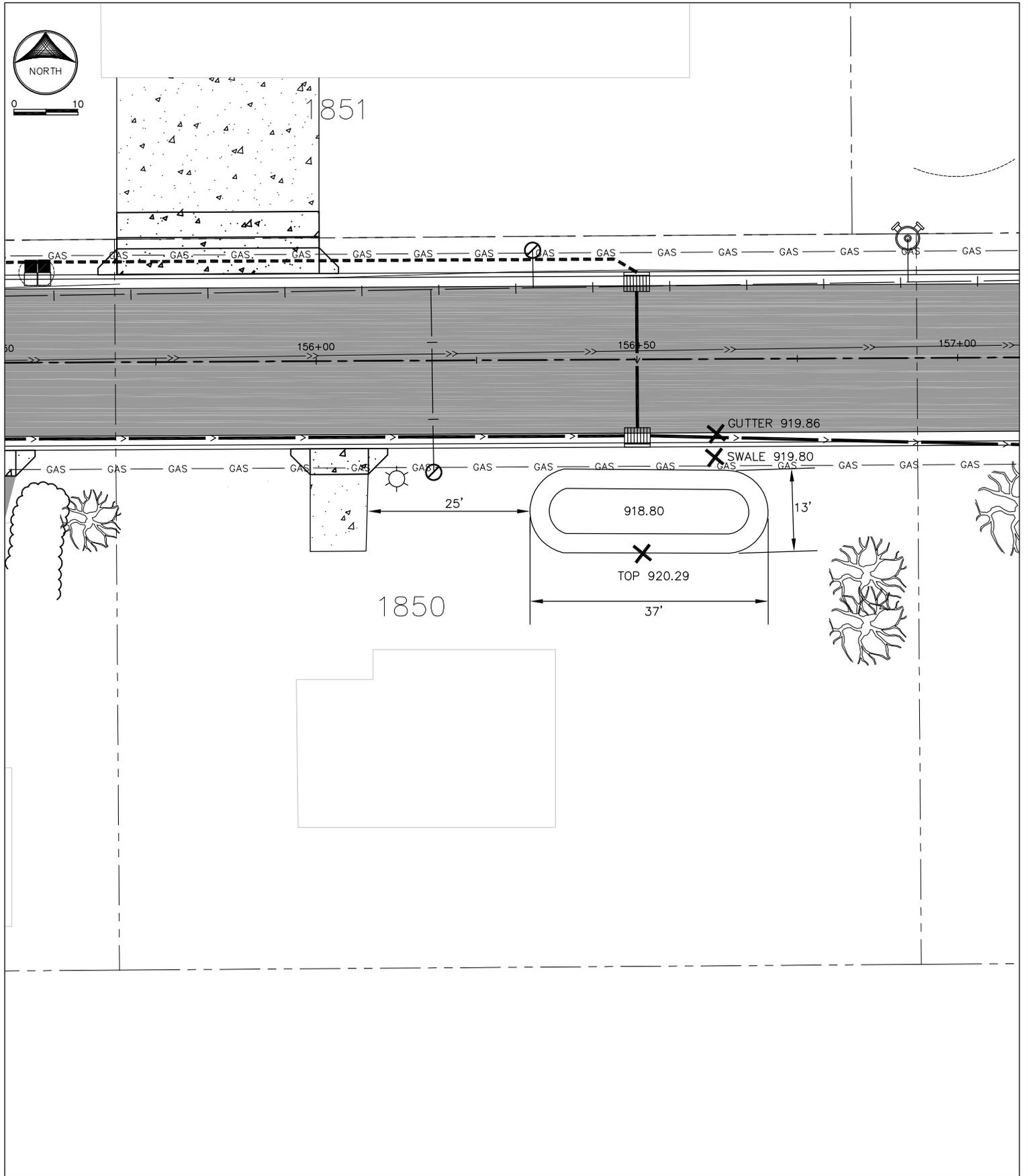
10062 FLANDERS COURT • BLAINE, MN 55449
(763) 780-0450

Rain Water Garden
1849 Noble Road





0 10



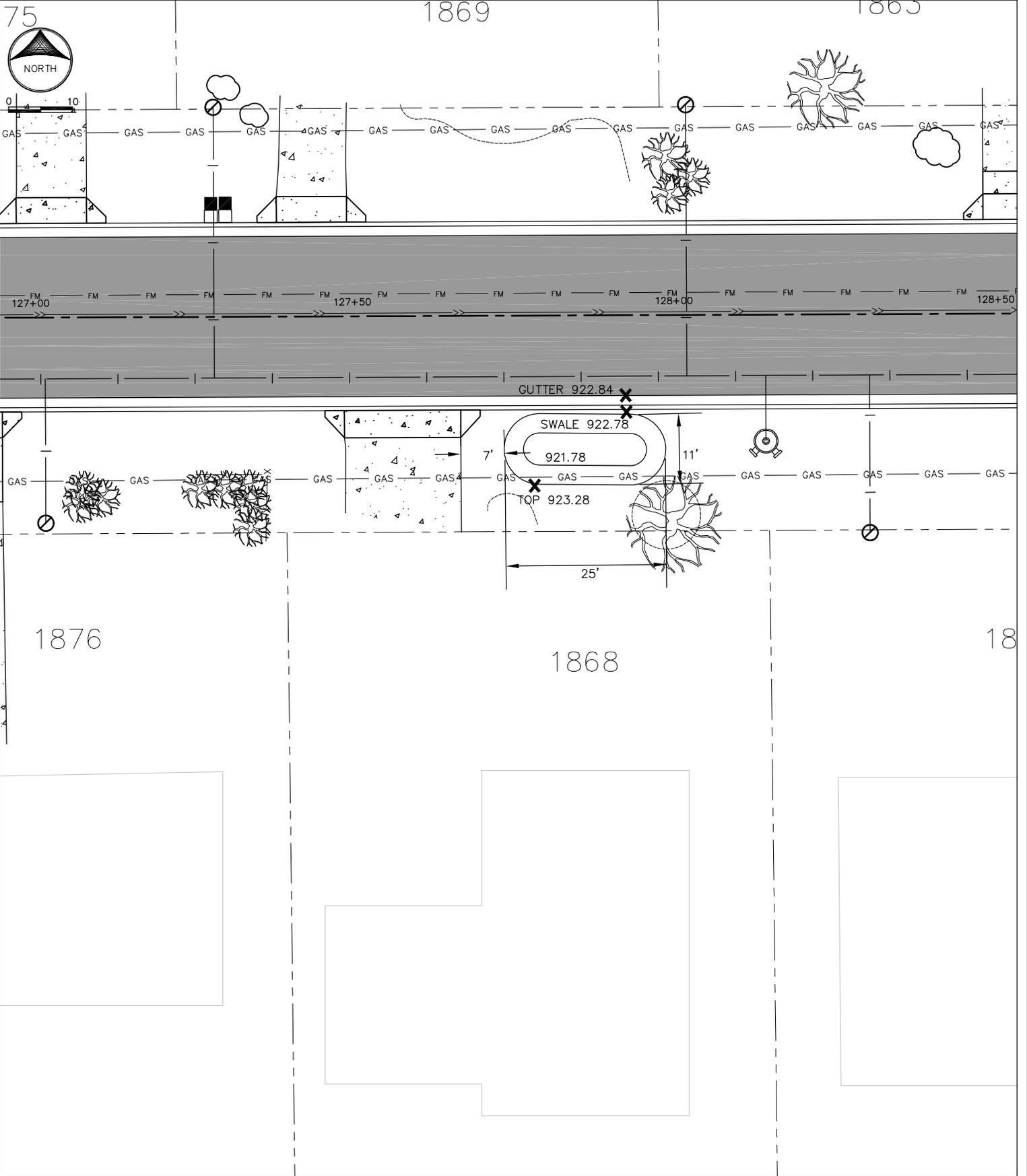
ELFERING & ASSOCIATES

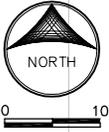


10062 FLANDERS COURT • BLAINE, MN 55449
(763) 780-0450

Rain Water Garden
1850 Lake Lane

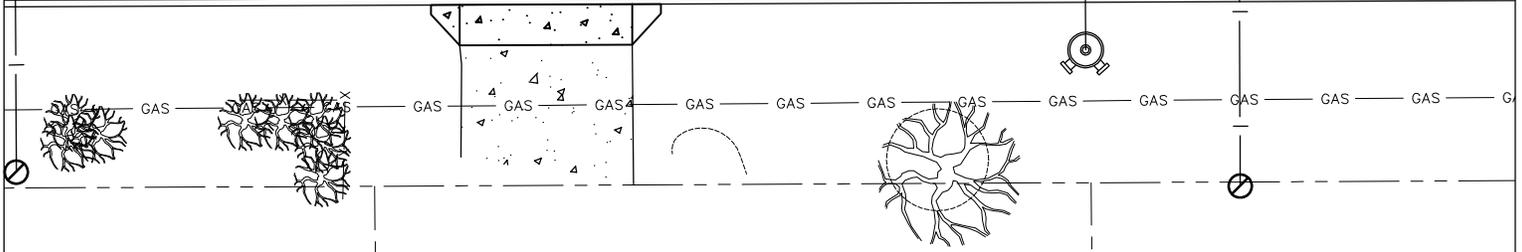
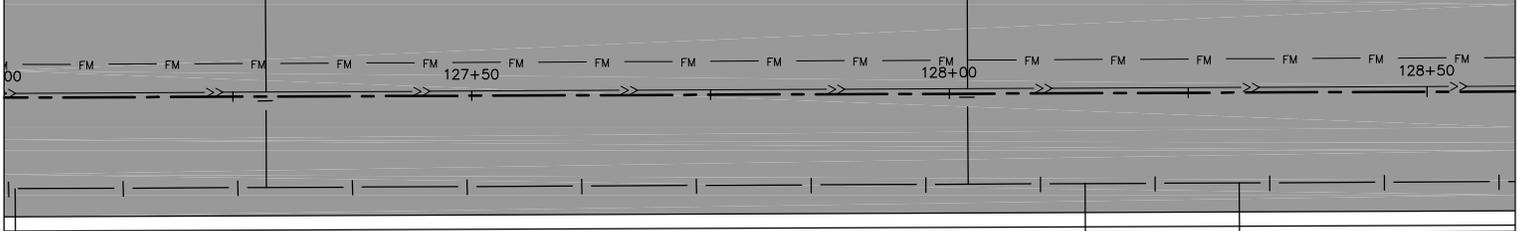
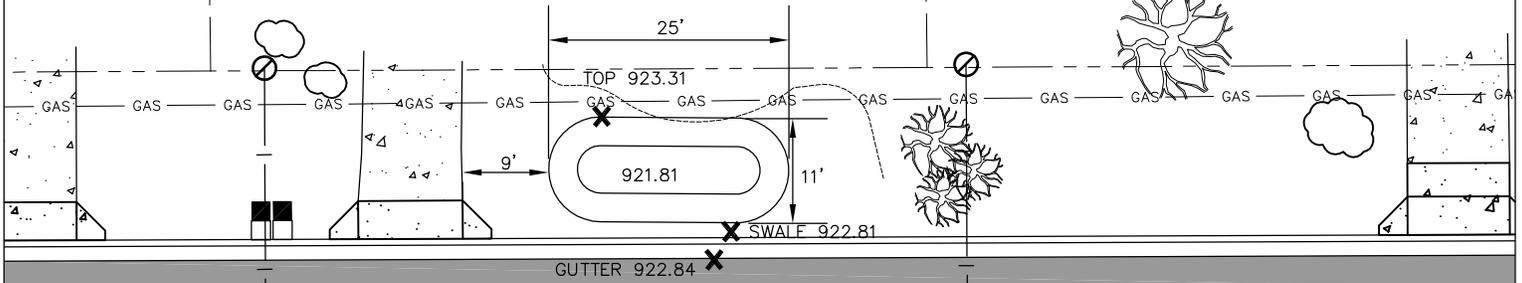






1869

1863



1876

1868

1862

ELFERING & ASSOCIATES

TRUE NORTH

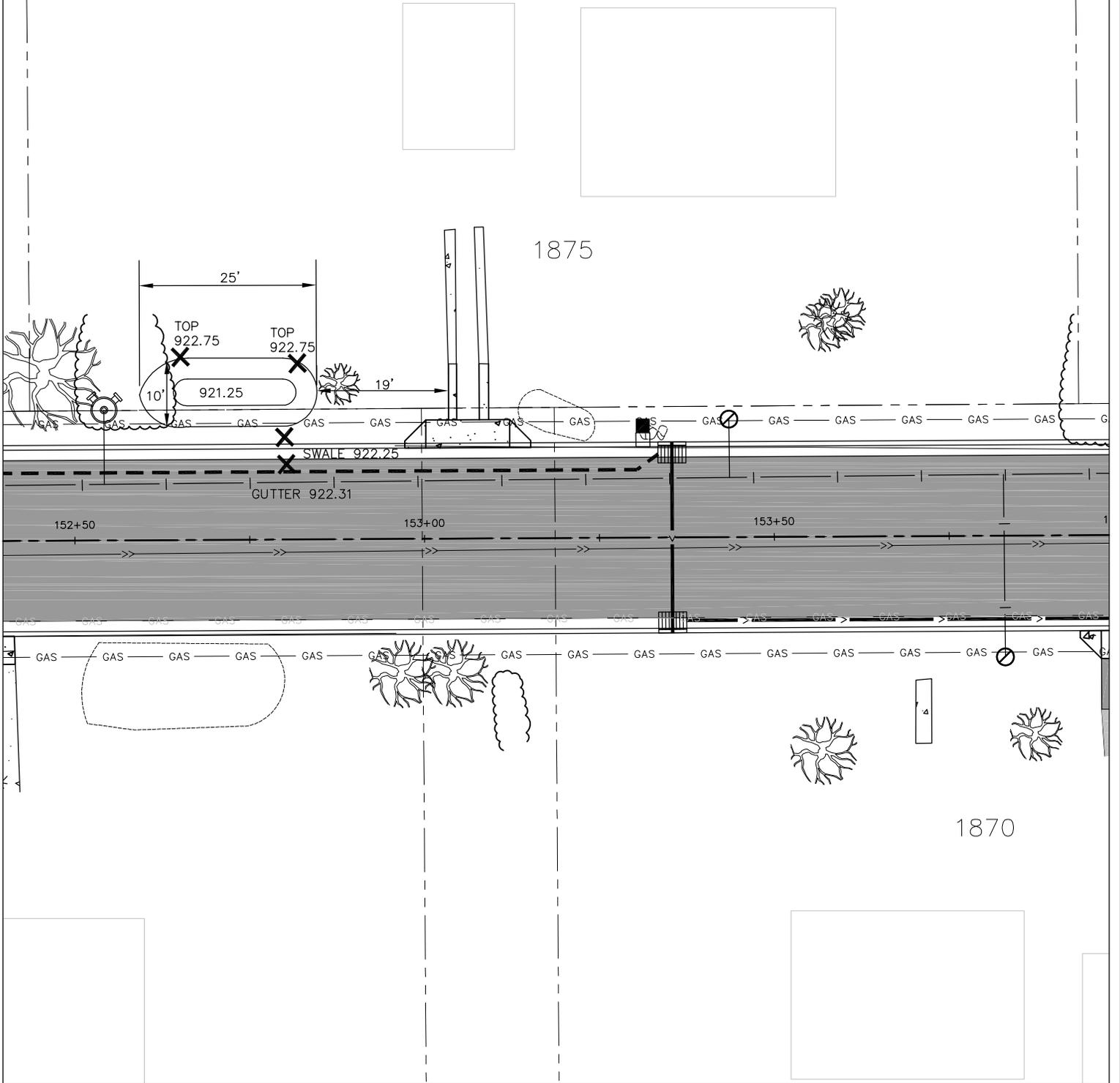
10062 FLANDERS COURT • BLAINE, MN 55449
(763) 780-0450

Rain Water Garden
1869 Noble Road





0 10



ELFERING & ASSOCIATES

TRUE NORTH

10062 FLANDERS COURT • BLAINE, MN 55449
(763) 780-0450

Rain Water Garden
1875 Lake Lane



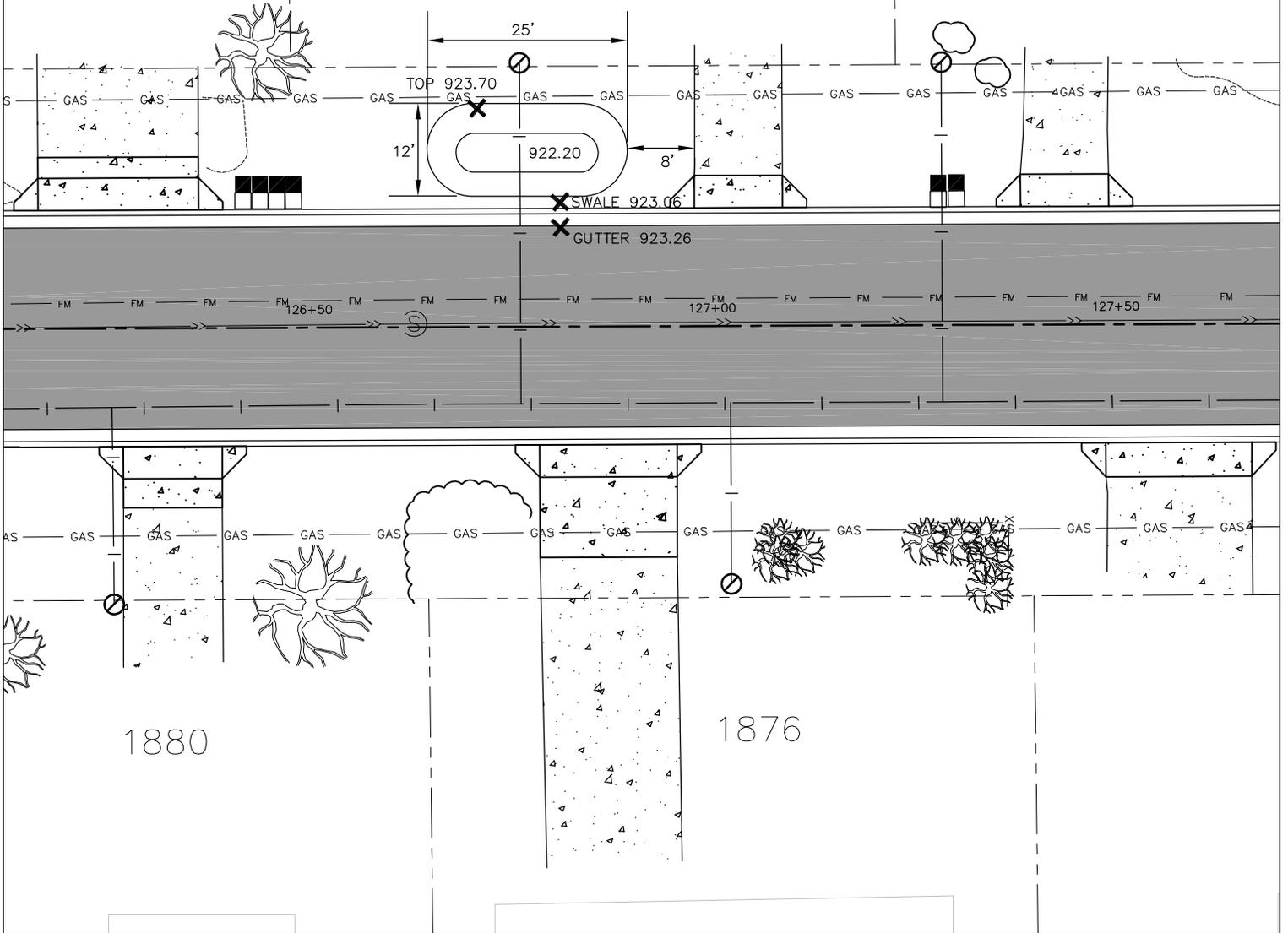


0 10

1885

1875

1869



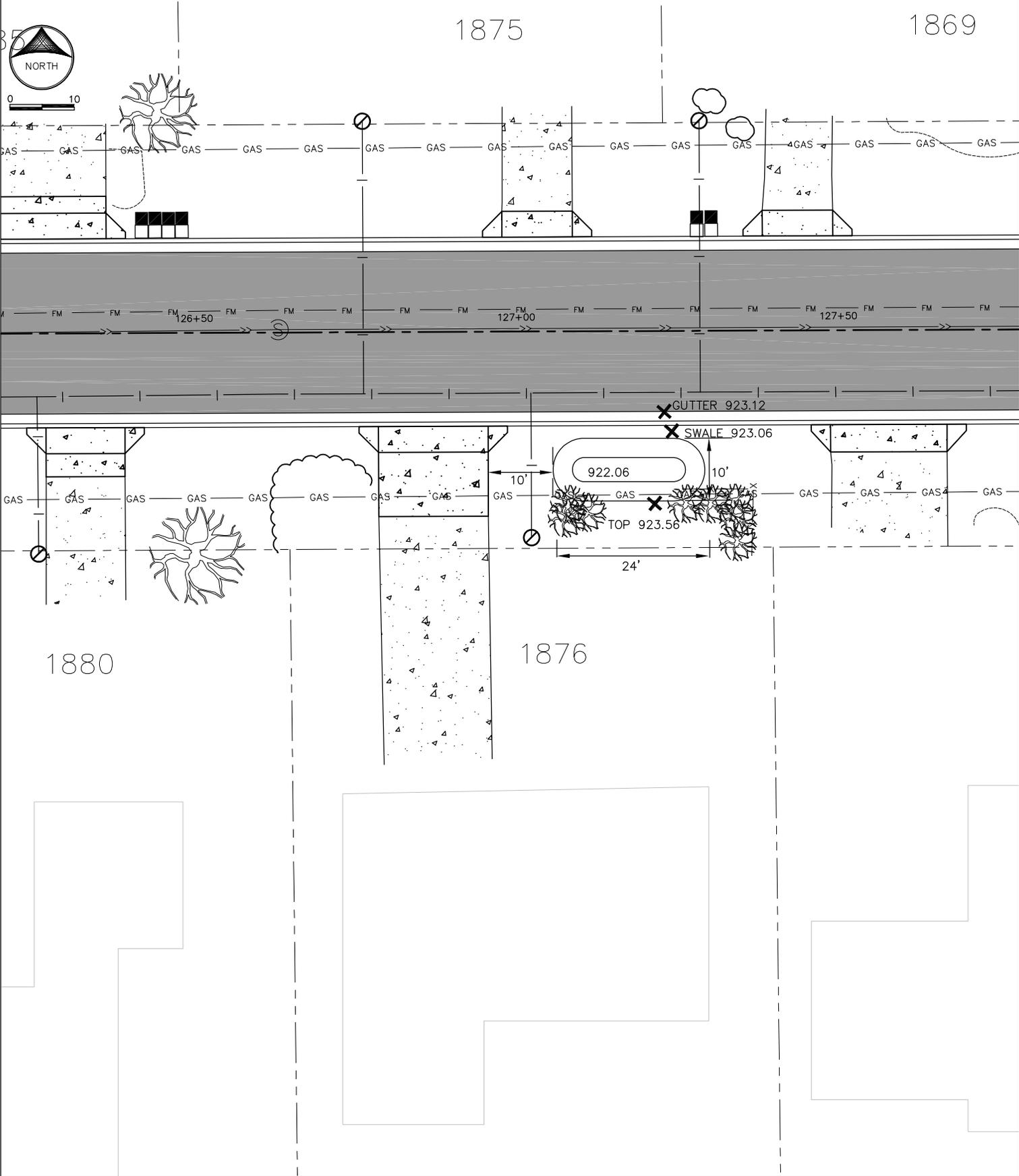
ELFERING & ASSOCIATES



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(763) 780-0450

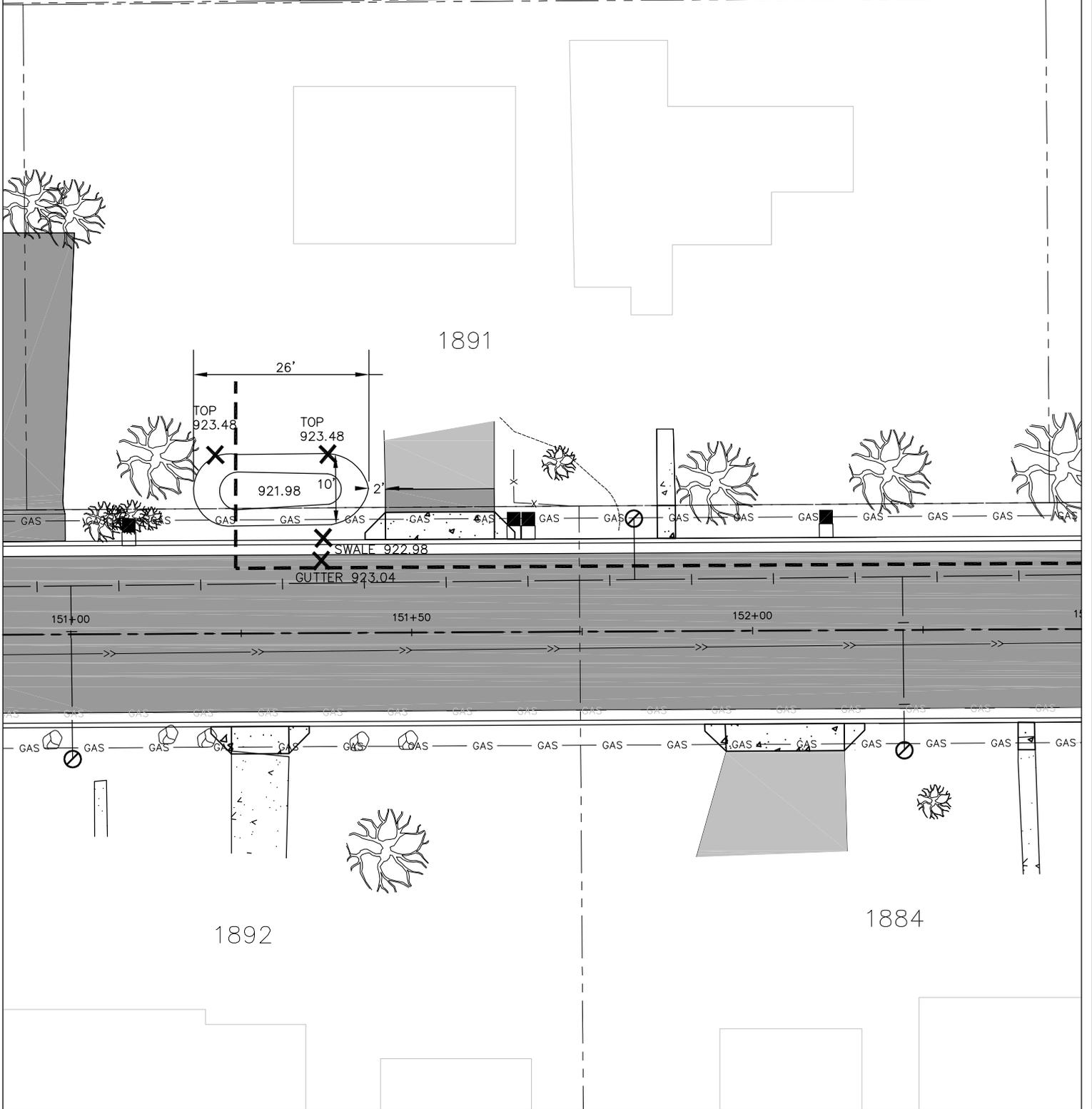
Rain Water Garden
1875 Noble Road







0 10



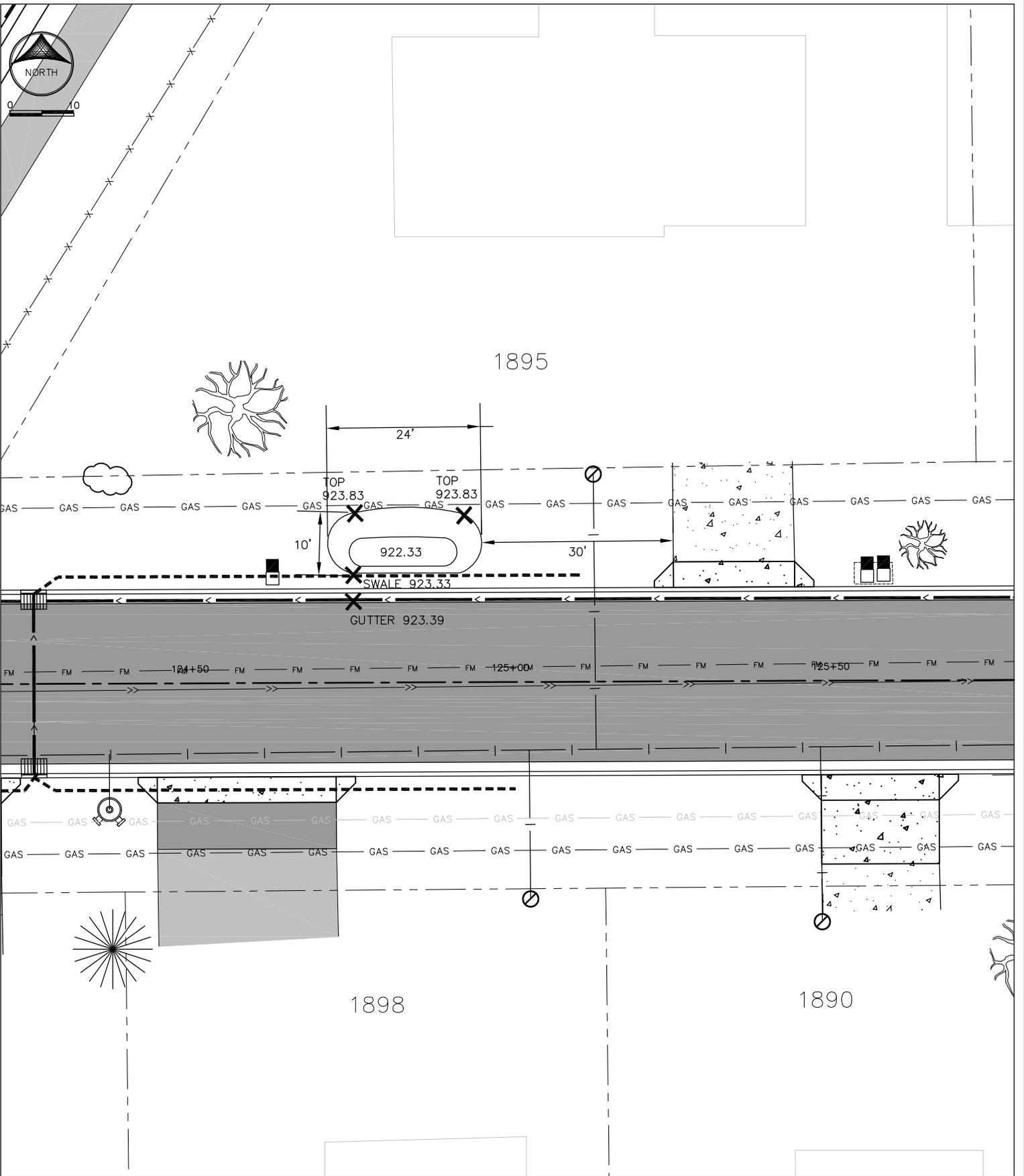
ELFERING & ASSOCIATES

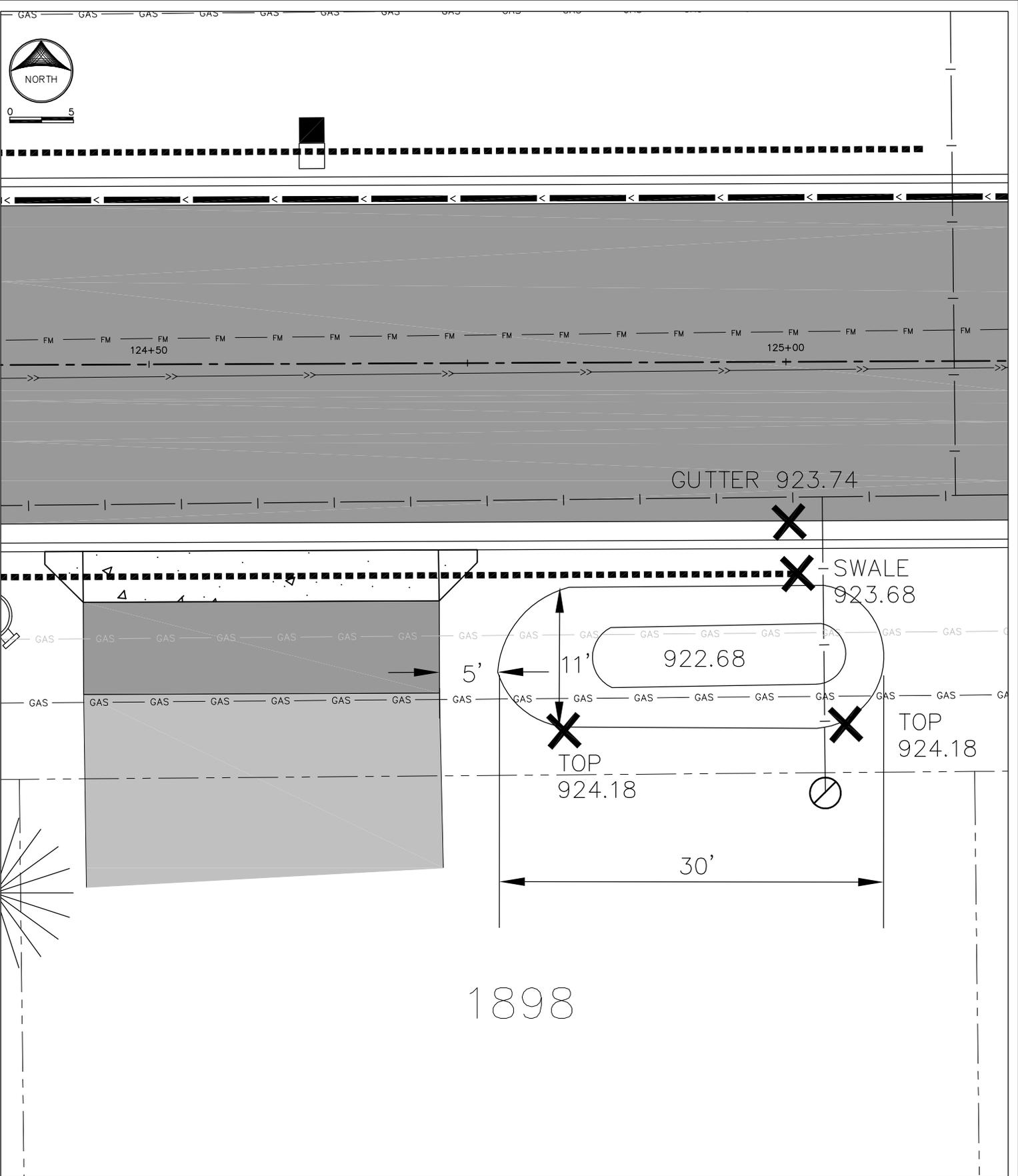
TRUE NORTH

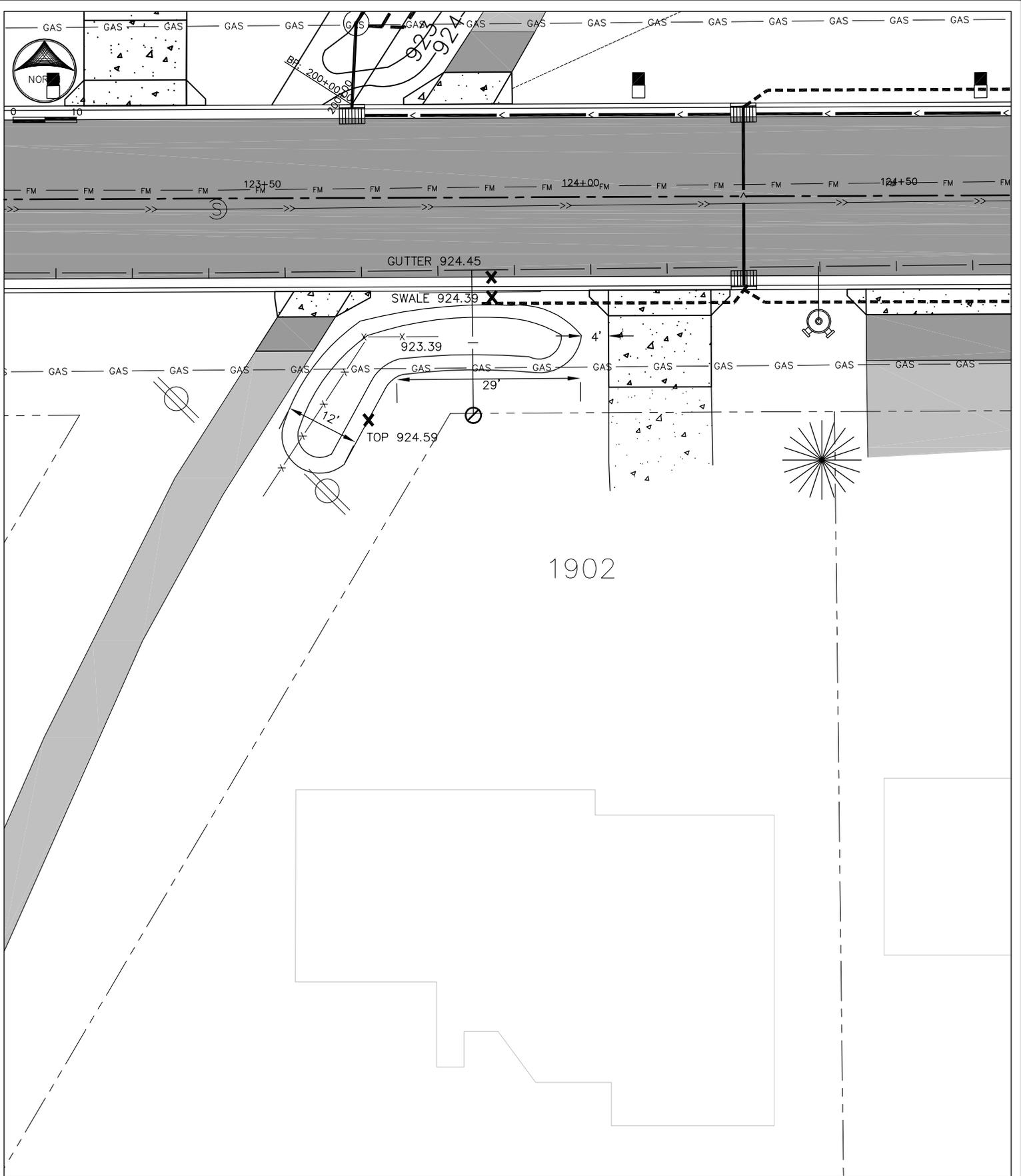
10062 FLANDERS COURT • BLAINE, MN 55449
(763) 780-0450

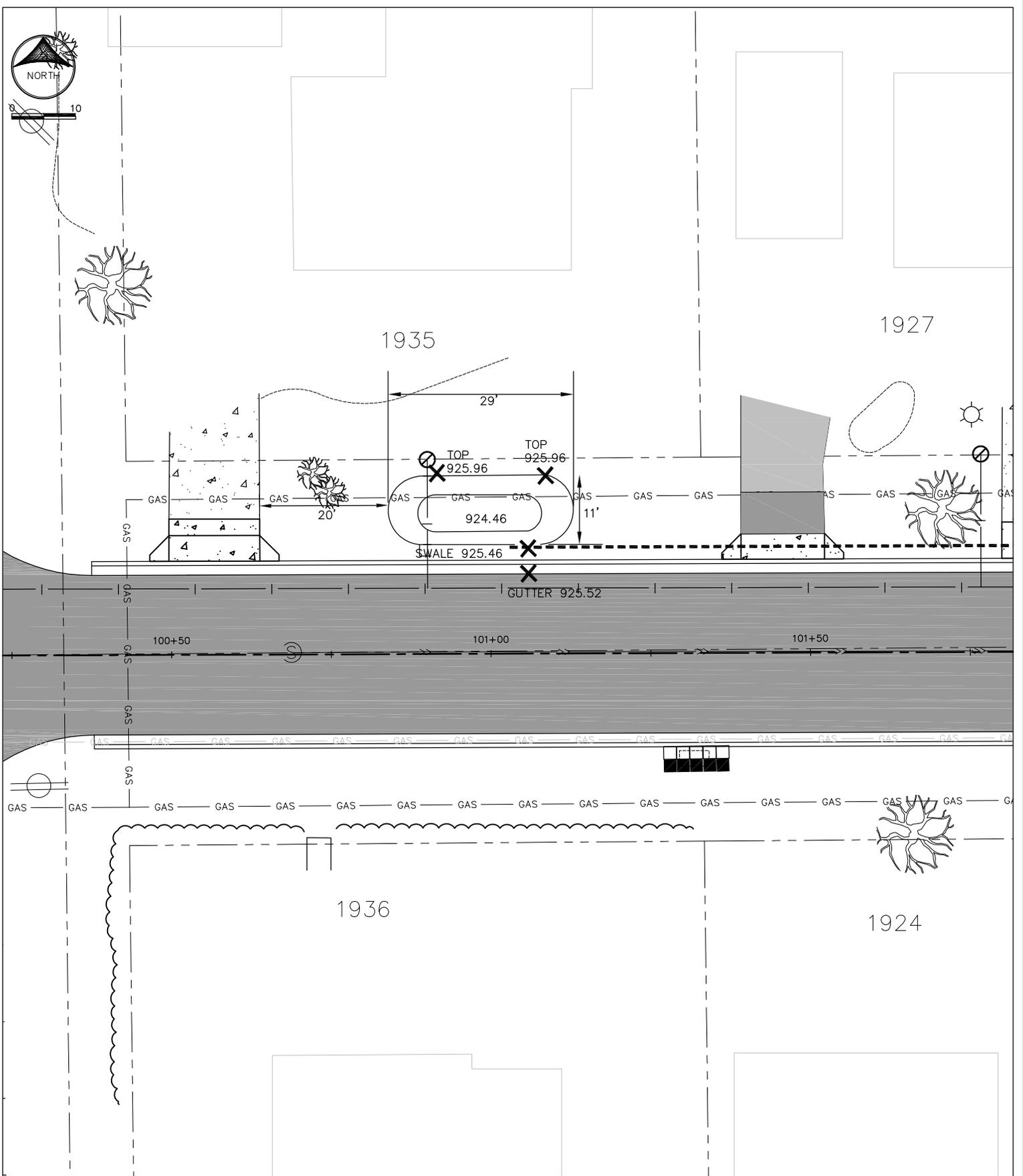
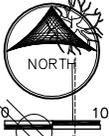
Rain Water Garden
1891 Lake Lane







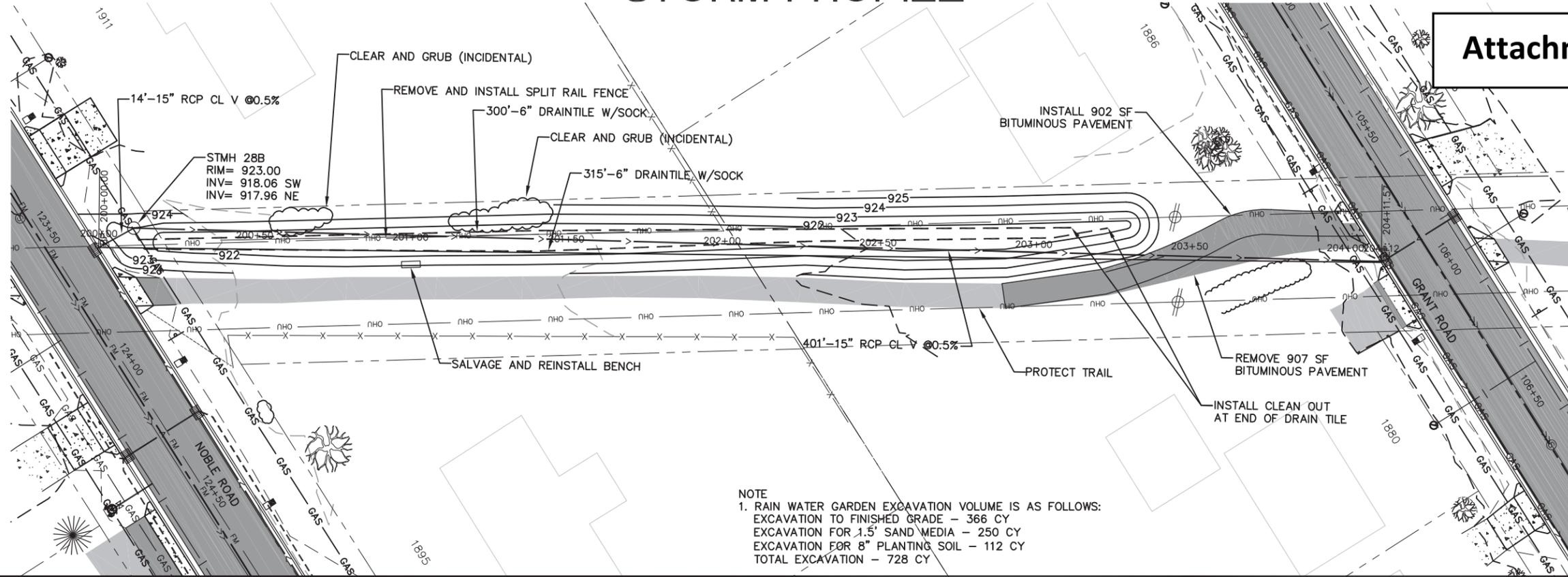
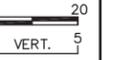




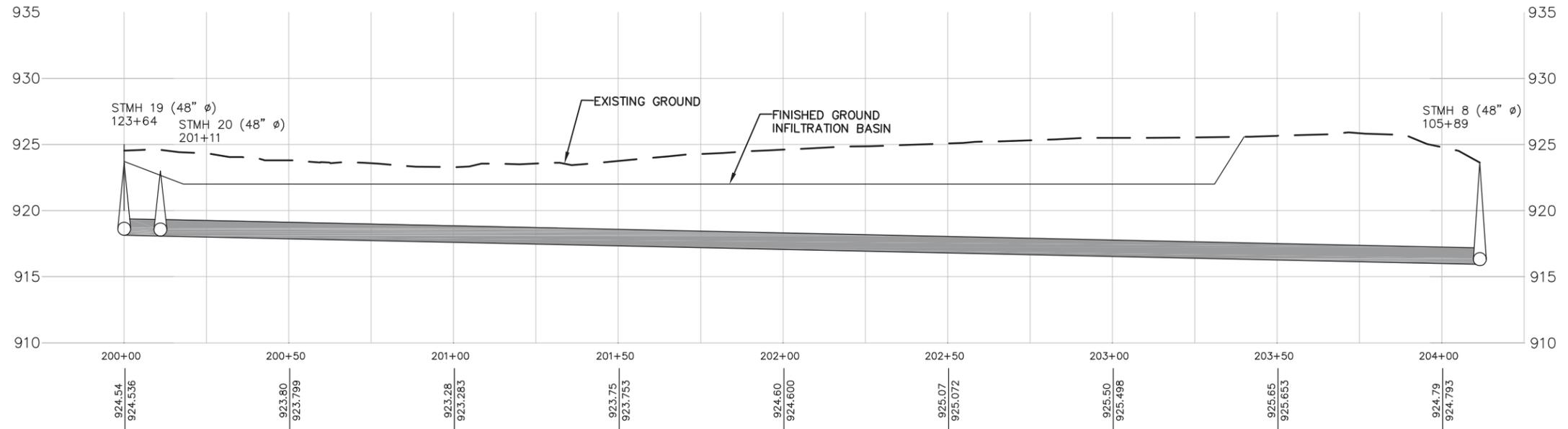
STORM PROFILE



Attachment D



NOTE
 1. RAIN WATER GARDEN EXCAVATION VOLUME IS AS FOLLOWS:
 EXCAVATION TO FINISHED GRADE - 366 CY
 EXCAVATION FOR 1.5' SAND MEDIA - 250 CY
 EXCAVATION FOR 8" PLANTING SOIL - 112 CY
 TOTAL EXCAVATION - 728 CY

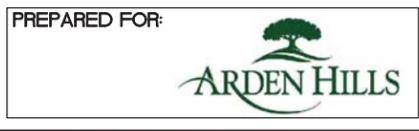


10062 FLANDERS CT NE
 BLAINE, MN 55449
 PH: (763) 780-0450
 FAX: (763) 780-0452

DESIGNED BY: KJE DRAWN BY: ADC
 APPROVED BY: KJE JOB NUMBER: 170026E
 CAD DATE: January 15, 2015
 CAD FILE: CAD\170026E\Proposed.DWG

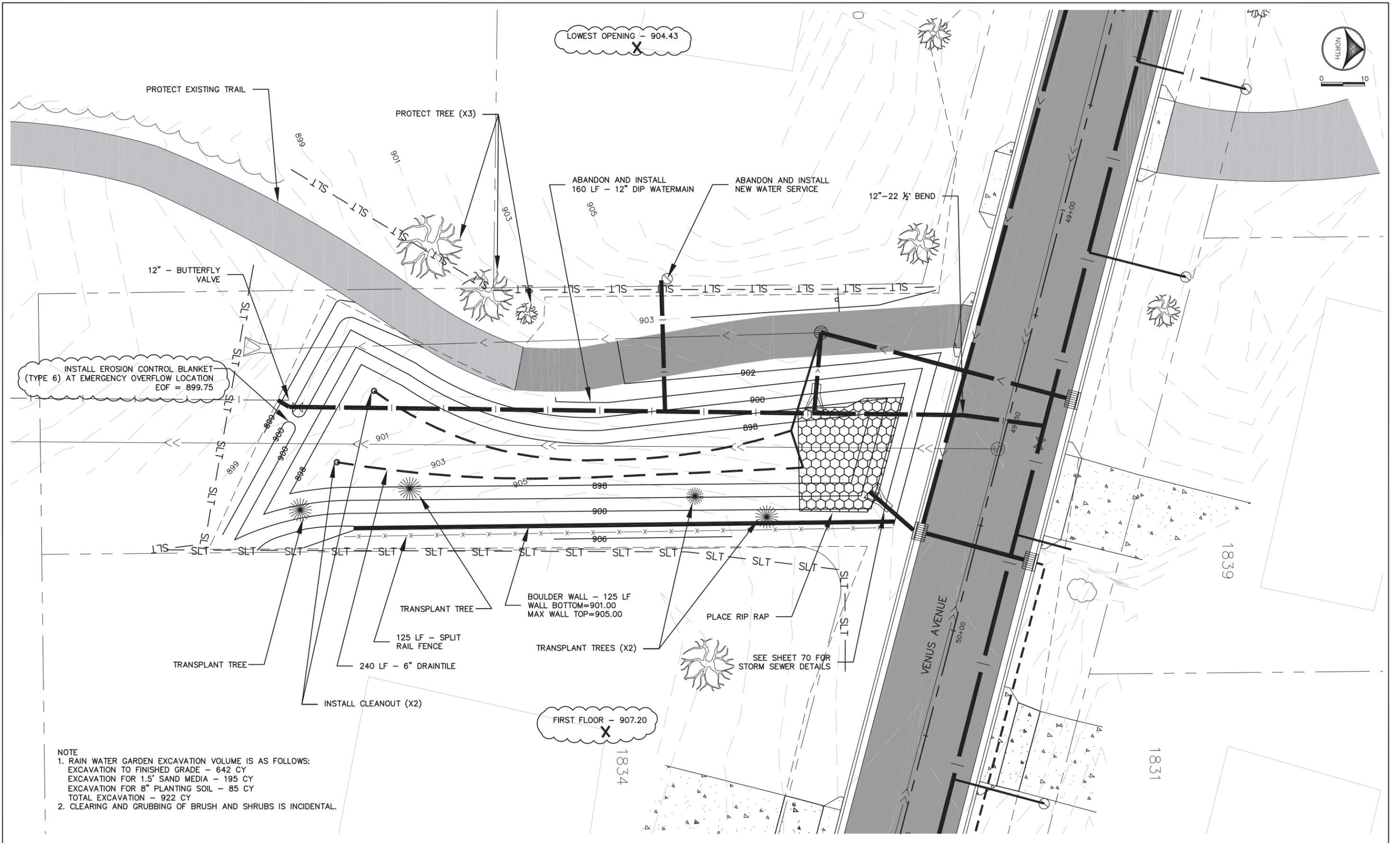
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 SIGNATURE: *Kristina Elfering* DATE: 2/20/15
 PRINTED NAME: KRISTINA ELFERING LIC. NO.: 42350

NO.	DATE	BY	REVISION DESCRIPTION



PREPARED FOR:
 2015 PMP IMPROVEMENTS
 BIOFILTRATION POND
 200+00 TO 204+12

SHEET NO.
87



INSTALL EROSION CONTROL BLANKET (TYPE 6) AT EMERGENCY OVERFLOW LOCATION EOF = 899.75

LOWEST OPENING - 904.43

FIRST FLOOR - 907.20

NOTE
 1. RAIN WATER GARDEN EXCAVATION VOLUME IS AS FOLLOWS:
 EXCAVATION TO FINISHED GRADE - 642 CY
 EXCAVATION FOR 1.5' SAND MEDIA - 195 CY
 EXCAVATION FOR 8" PLANTING SOIL - 85 CY
 TOTAL EXCAVATION - 922 CY
 2. CLEARING AND GRUBBING OF BRUSH AND SHRUBS IS INCIDENTAL.

ELFERING & ASSOCIATES
 10062 FLANDERS CT NE
 BLAINE, MN 55449
 PH: (763) 780-0450
 FAX: (763) 780-0452

DESIGNED BY: KJE DRAWN BY: ADC
 APPROVED BY: KJE JOB NUMBER: 170025E
 CAD DATE: February 2, 2015
 CAD FILE: CAD\170025E\DWG\Rain Water Garden

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 PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
 SIGNATURE: *Kristina Elfering* DATE: 02/20/15
 PRINTED NAME: KRISTINA ELFERING LIC. NO.: 42350

NO.	DATE	BY	REVISION DESCRIPTION
1	4/6/15	AA	ELEVATIONS AT HOMES

PREPARED FOR:

2015 PMP IMPROVEMENTS
 INFILTRATION POND

SHEET NO.
88

John Anderson

From: John Anderson
Sent: Monday, March 07, 2016 9:10 AM
To: 'Connie@cedarhillnatives.com'; 'joe@mlcorp.com'; 'nativeplantnurseryinc@yahoo.com'; 'rob.i@naturalshore.com'; 'erik@outbacknursery.com'; 'info@prairieresto.com'; 'sales@applewoodnursery.com'
Subject: FW: 2016 rain garden design
Attachments: 1895 Noble.pdf; 1898 Noble.pdf; 1935 Grant.pdf; Binder2.pdf; 1902 Noble.pdf; 1831 Noble.pdf; 1832 Noble.pdf; 1839 Noble.pdf; 1850 Lake.pdf; 1868 Noble.pdf; 1869 Noble.pdf; 1875 Noble.pdf; 1876 Noble.pdf; 1830 Noble.pdf; 1831 Grant.pdf; 1832 Grant.pdf; 1840 Lake.pdf; 1843 Grant.pdf; 1849 Noble.pdf; 1875 Lake.pdf; 1891 Lake.pdf; 4-3-15 RWG letter.doc; city owned gardens.pdf

The City of Arden Hills is looking for proposals for services related to rain garden planting design and coordination with residents.

Attached are sketches that were shown to residents last year before be built the rain gardens. Along with the construction last year we built the drainage and planting beds for the rain gardens as shown in the attached **binder2.pdf** file. We provided a letter to residents (file attached 4-3-15 RWG letter) describing the process and giving some example plantings. At this point we need to finalize the planting design and assemble an order of plant materials and get quotes on plant materials. Along the way we will need to communicate with residents our plant layout and get buy in from the residents on the plantings we are proposing. We are looking for a proposal from you to do the following:

1. Design a planting layout specific to each site (21 residential, 2 city) with thought given to how much shade and sun of each site sees as well as tolerance to occasional inundation of water for short durations (24 hrs would be a typical max).
2. Communicate this layout to the resident in a sketch accompanied with a letter and get agreement on the planting plan from the resident
3. Assemble a plant material list based on approved sketches
4. Get quotes from 3 plant suppliers for these materials
5. Organize plant materials to sort out which plans go with which garden the day of planting
6. Mark plantings in each garden the day of planting to assist public works / residents to plan

If you can get back to me by Wed this week that would be great. If you have any questions please feel free to contact me

John Anderson PE
Acting Public Works Director / City Engineer
City of Arden Hills
1245 West Highway 96
Arden Hills, MN 55112-5743
(651) 792-7846 janderson@cityofardenhills.org

John Anderson

From: connie@cedarhillnatives.com
Sent: Monday, March 07, 2016 7:28 PM
To: John Anderson
Subject: Re: FW: 2016 rain garden design

Hi John,

Thank you for contacting me. I do not offer the services you are requesting so I will not be submitting a quote.

Thanks again,

Connie

Connie Taillon, P.E.
Stormwater Strategies LLC/Cedar Hill Natives
Stillwater, MN
651-252-7598

connie@cedarhillnatives.com

www.cedarhillnatives.com

On 3/7/2016 9:09 AM, John Anderson wrote:

John Anderson

From: Native Plant Nursery, Inc. [nativeplantnurseryinc@yahoo.com]
Sent: Tuesday, March 08, 2016 9:05 AM
To: John Anderson
Subject: RE: 2016 rain garden design

Good Morning John,

Thank you for considering Native Plant Nursery, Inc. for such a large project! As exciting as this sounds, we primarily are a distributor of native plant plugs. If you are looking for, or have a contractor looking to purchase plugs, we would be more than happy to help you out. We suggest that you/they visit our website to see what plants we have available @ www.nativeplantnurseryinc.com.

Thank you again, and good luck on the project!

Christine

Native Plant Nursery

Office: 763-780-9006

Greenhouse: 763-434-2722

Fax: 763-780-9265

nativeplantnurseryinc@yahoo.com

John Anderson

From: Erik Olsen [erik@outbacknursery.com]
Sent: Tuesday, March 08, 2016 3:39 PM
To: John Anderson
Subject: RE: 2016 rain garden design

Hi John,
Thank you for considering us with your rain garden project, but I will have to decline at this time.

Erik James Olsen
Landscape Designer, MLA

Out Back Nursery & Landscaping

Where Ecology & Horticulture Unite
651-438-2771 ext.12
651-438-3816 fax
612-290-9269 cell
erik@outbacknursery.com

John Anderson

From: Jeff West [jwest@prairieresto.com]
Sent: Tuesday, March 08, 2016 5:02 PM
To: John Anderson
Subject: RE: 2016 rain garden design

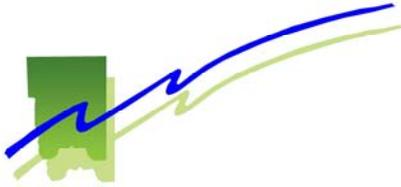
Hi John,

In looking at the project and talking to our main sales staff we are going to have to pass on this. This type of project isn't really in our wheel house – typically engineering/architecture/consulting firms put together plans and coordinate work such as this – although often we give some input on plant/species selection they would be the ones to put together actual plans/drawings and then run the project coordination. Our role would typically be providing and/or installing the plants. We'd be happy to provide a quote on supplying the plants once you get to that stage or give some advice on plant selection once you have plans drawn. Let me know if there is anything else I can do to help.

Thank you,

Jeff West
612.708.9874 c
763.220.5986 o

Site Manager
Two Oaks Office
Prairie Restorations, Inc.
PO Box 95
Scandia MN 55073



March 8, 2016

Arden Hills Public Works
John Anderson
Interim Public Works Director/City Engineer
Arden Hills, MN 55112

Re: **Proposal for Professional Services Agreement**
Project: **2016 Raingarden Designs**

Mr. Anderson,

On behalf of the Ramsey Conservation District, please accept the enclosed, as our formal proposal to provide the technical services requested in connection with the above-referenced project. It is based on the following conditions and scope of work stated, that this proposal is in response to:

1. Design a planting layout specific to each site (21 residential, 2 city) with thought given to how much shade and sun of each site sees as well as tolerance to occasional inundation of water for short durations (24hrs would be a typical max).
2. Communicate this layout to the resident in a sketch accompanied with a letter and get agreement on the planting plan from the resident
3. Assemble a plant material list based on approved sketches
4. Get quotes from 3 plant suppliers for these materials
5. Organize plant materials to sort out which plans go with which garden the day of planting
6. Mark plantings in each garden the day of planting to assist public works / residents to plan

We agree to perform the work for the project as described above, for the total fee of \$9,800.00. Please review the attached Exhibit A, for our technical service fee proposal. Detailed narrative descriptions per line item can be provided by request. In addition, please review the attached Exhibit B, for an example design product.

Thank you for your advanced consideration and interest in partnering with the Ramsey Conservation District.

Sincerely,

A handwritten signature in black ink, appearing to read 'Michael Schumann', with a horizontal line extending to the right.

Michael Schumann
Natural Resource Specialist
Ramsey Conservation District
Phone: [651]-266-7275
michael.schumann@co.ramsey.mn.us

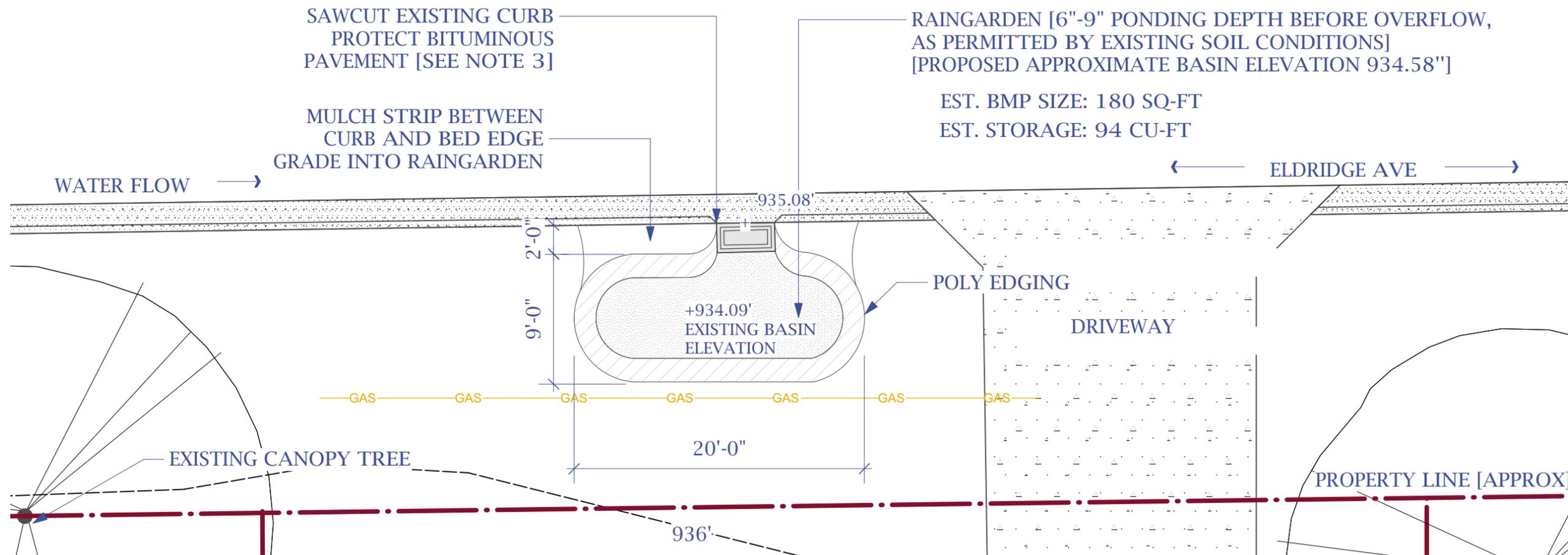
Appendix A

2016 Ramsey Conservation District Service Agreement Fee Schedule:

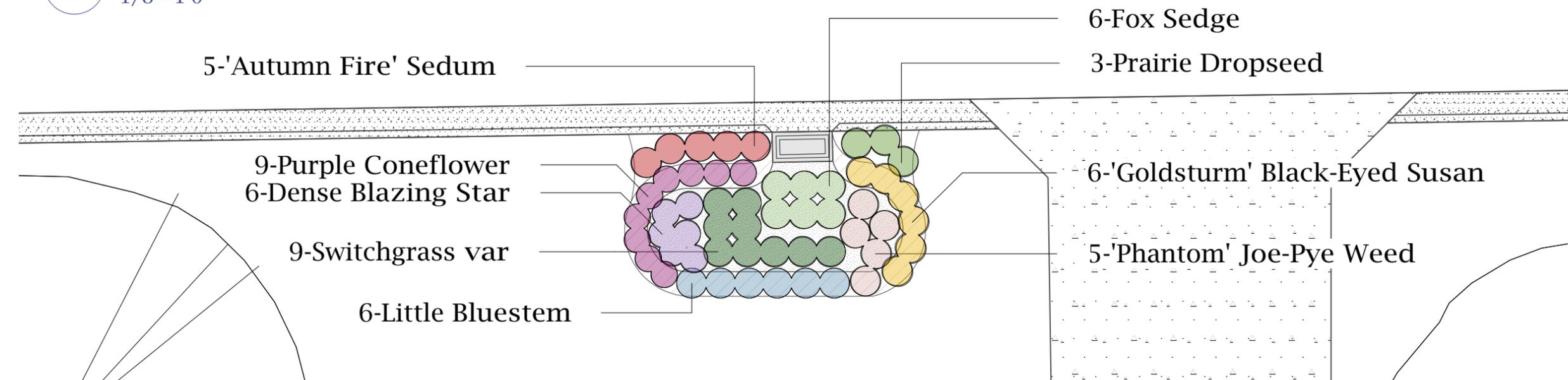
2016 Raingarden Planting Design Project

Line	Service	Conservation Specialist		
		Hours	Hr. Rate	Cost
A	General Administration	6	\$70.00	\$420.00
B	Site Assessment and Evaluation	12	\$70.00	\$840.00
C	Preliminary Design Development	4	\$70.00	\$280.00
D	Design Correspondence	16	\$70.00	\$1,120.00
E	Final Design Development	78	\$70.00	\$5,460.00
F	Landowner Agreements/Project Bids/Coordination	4	\$70.00	\$280.00
G	Mobiliation/Onsite Materials Staging	16	\$70.00	\$1,120.00
I	Post Construction Review/Approval	4	\$70.00	\$280.00
Total		140	\$70.00	\$9,800.00

1 RAINGARDEN LAYOUT
1/8"=1'0"



2 RAINGARDEN PLANTING
1/8"=1'0"



Ramsey
Conservation District

RAMSEY CONSERVATION DISTRICT
1425 PAUL KIRKWOLD DR
ARDEN HILLS, MN 55112
651-266-7274
www.ramseyconservation.org

PROJECT: RAINGARDEN RETROFIT
LOCATION:
384 ELDRIDGE AVE E
MAPLEWOOD, MN 55109
WATERSHED DISTRICT:

Ramsey-Washington Metro Watershed District

DESIGNER: Michael Schumann
DATE: 10/20/15
REVISION:
REVISION:
REVISION:
REVISION:
CHECKED BY:

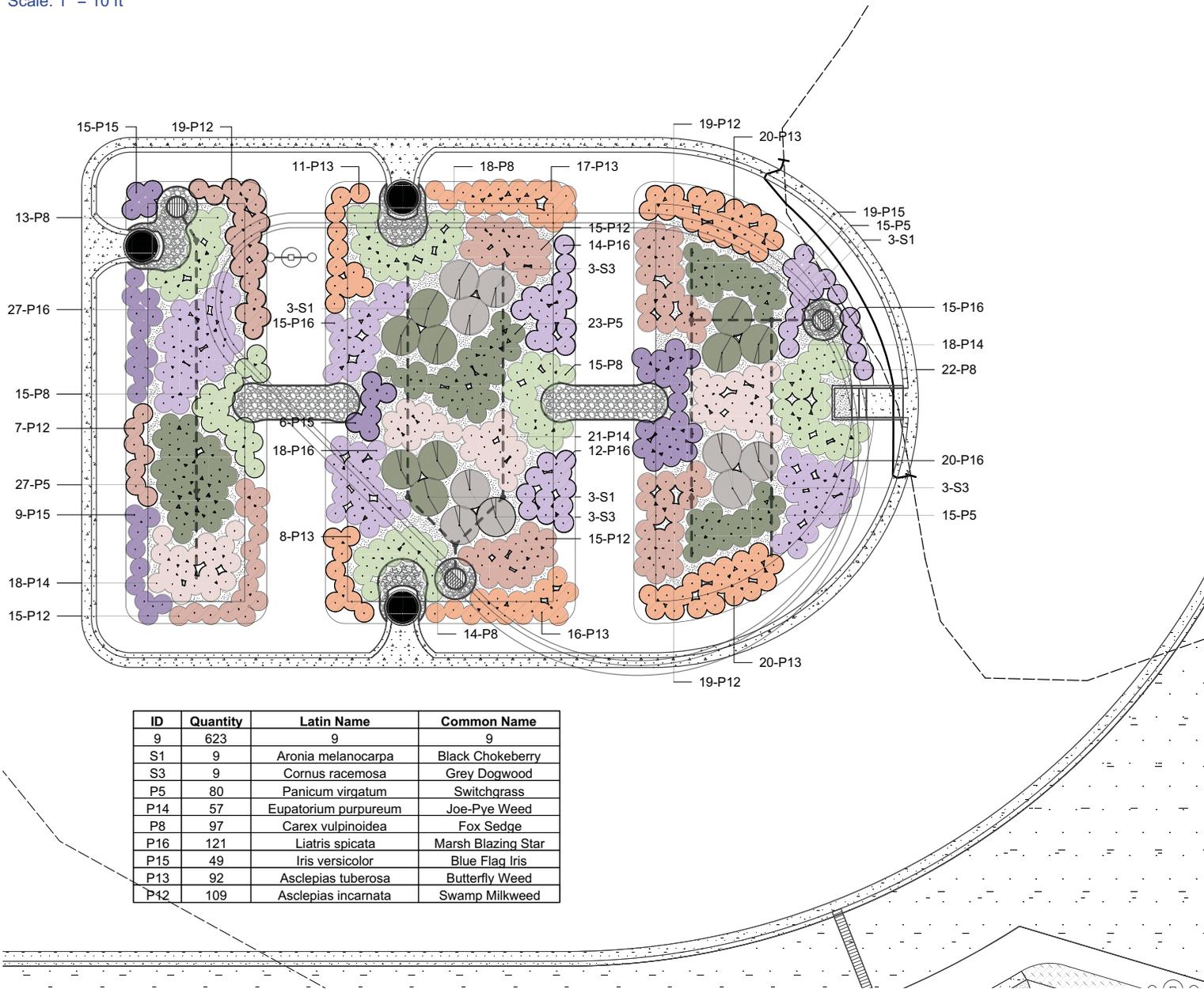
NOTES:
-DRAWING FOR REVIEW ONLY
-NOT FOR CONSTRUCTION USE

SCALE:

LAYOUT

L1.2

RAINGARDEN D, E & F PLANTING
 Scale: 1" = 10 ft



RAMSEY CONSERVATION DISTRICT
 1425 PAUL KIRKWOLD DR
 ARDEN HILLS, MN 55112
 651-266-7274
 www.ramseyconservation.org

PROJECT: HARAMBEE ELEMENTARY
 LOCATION:
 30 COUNTY RD B EAST
 MAPLEWOOD, MN 55117



DESIGNER: JL
 DATE: 2/24/16
 REVISION: 1/25/16
 REVISION: 8/11/15
 REVISION: 11/10/15
 REVISION: 11/20/15
 CHECKED BY: JL

NOTES:
 -ELEVATIONS ARE APPROXIMATE
 -SIZE AND SHAPE OF RAINGARDEN
 MAY VARY
 -MAINTAIN SQUARE FEET AND PONDING
 DEPTH

SCALE: 1" = 10'-0" ←

RAINGARDEN D, E & F
 PLANTING

L1.3



February 4, 2016

John M. Anderson P.E.
City of Arden Hills
1245 West Highway 96
Arden Hills, MN 55112

RE: 2016 Rain Water Garden Plantings

Dear Mr. Anderson:

As you are aware we have provided the City assistance with design and construction administration on the 2015 Pavement Management Project (PMP) in the Noble/Grant and Venus/Crystal neighborhoods. Part of the project included the installation of rain water gardens to meet the stormwater treatment requirements of the Rice Creek Watershed District. We determined the volume of treatment required and worked with the City to provide that volume in two large gardens adjacent to the City's trails and 21 small gardens in front of residential properties that combined meet the Watershed's volume requirements. As you are aware, the construction of the rain water gardens was part of the 2015 PMP project, but the actual plantings were separate from the responsibilities of the street contractor.

It is our understanding that assistance is desired for this next phase in completing the rain water gardens. You have made initial contact with residents to secure the garden locations, but due to work load have limited time to dedicate to the final steps in order to complete the process. The additional scope of services that we would provide as assistance to you and under your direction would include:

- Providing residents with individual plant layouts
- Meeting with residents as necessary to modify the design as desired
- Obtaining quotes and ordering plant material
- Assisting on a planting day or weekend to provide support on plant layout

Based on this understanding of the proposed process and our discussion with you we estimate our fees at \$8,900. We are prepared to assist as soon as directed and will work to begin contact with each resident. Please feel free to contact us directly at (763) 780-0450.

Sincerely,

Elfering & Associates

Kristina Elfering
Kristie Elfering, P.E.
Principal

Accepted:

City of Arden Hills

Date



DATE: March 14, 2016

TO: Honorable Mayor and City Council

FROM: Sue Iverson, Interim City Administrator/Director of Finance and Admin Services

SUBJECT: City Logo Signage for Front Desk

Background

There have been several comments about the bare wall behind the front desk and we have been making an effort over the last few years to spruce up the appearance of the lobby at City Hall. We have gotten a suggestion that we add the City Logo to the bare wall behind the front desk.

Discussion

Staff has researched these options and has obtained a quote from FastSigns for a “36” x 48” repositionable Vinyl with laminate” in the amount of \$140.50 plus tax. A proof copy is attached for your review. Since matching the wall color would be difficult, the attached copies do have an outline around the logo. The funds for this would come from the City Hall maintenance budget.

Staff is looking for direction from Council if they would like staff to proceed with this.

Attachments

Attachment A: Proof copy of Sign Design





DATE: March 14, 2016

TO: Honorable Mayor and City Council

FROM: Sue Iverson, Interim City Administrator/Director of Finance and Admin Services

SUBJECT: Discussion of Sound Wall Logo

Background

One of the Council comments from the last meeting was about the ability to put logos on the sound walls as it was noticed that other communities have done this.

Discussion

Staff would like to have direction from the City Council as to whether they would like staff to pursue looking into this and what information they would like.