

WATER RESOURCE PERMIT APPLICATION FORM

Use this form to notify/apply to the Minnehaha Creek Watershed District (MCWD) of a proposed project or work which may fall within their jurisdiction. Fill out this form completely and submit with your site plan, maps, etc. to the MCWD at:
15320 Minnetonka Blvd. Minnetonka, MN 55345.

Keep a copy for your records.

YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.

1. Name of each property owner: Robert Steele
Mailing Address: 160 Sunrise Ave. City: Tonka Bay State: MN Zip: 55331
Email Address: _____ Phone: _____ Fax: _____

2. Property Owner Representative Information (not required) (licensed contractor, architect, engineer, etc...)
Business Name: 4 Square Builders Inc. Representative Name: Prston Fox
Business Address: 2718 9th St. East City: Glencoe State: MN Zip: 55336
Email Address: 4square@embargo.net Phone: 320-864-6183 Fax: _____

3. Project Address: 160 Sunrise Ave. City: Tonka Bay
State: MN Zip: 55331 Qtr Section(s): _____ Section(s): _____ Township(s): _____ Range(s): _____
Lot: 039 Block: _____ Subdivision: _____ PID: 27-117-23-24-0058

4. Size of project parcel (square feet or acres): 4100 Square feet 41.7 out (21.7)
Area of disturbance (square feet): 708 ft² Volume of excavation/fill (cubic yards): 20 fill back
Area of existing impervious surface: 1650 ft² (35,877) Area of proposed impervious surface: 1893 ft² (41.15')
Length of shoreline affected (feet): None Waterbody (& bay if applicable): Echo Bay, Gideon Bay

5. Type of permit being applied for (Check all that apply):
 EROSION CONTROL WATERBODY CROSSINGS/STRUCTURES
 FLOODPLAIN ALTERATION STORMWATER MANAGEMENT
 WETLAND PROTECTION APPROPRIATIONS
 DREDGING ILLICIT DISCHARGE
 SHORELINE/STREAMBANK STABILIZATION

6. Project purpose (Check all that apply):
 SINGLE FAMILY HOME (Remodel) MULTI FAMILY RESIDENTIAL (apartments)
 ROAD CONSTRUCTION COMMERCIAL or INSTITUTIONAL
 UTILITIES SUBDIVISIONS (include number of lots)
 DREDGING LANDSCAPING (pools, berms, etc.)
 SHORELINE/STREAMBANK STABILIZATION OTHER (DESCRIBE): _____

7. NPDES/SDS General Stormwater Permit Number (if applicable): _____

8. Waterbody receiving runoff from site: Minnetonka Lake

9. Project Timeline: Start Date: Nov. 20, 2015 Completion Date: June 1, 2016

Permits have been applied for: City County MN Pollution Control Agency DNR COE
Permits have been received: City County MN Pollution Control Agency DNR COE

By signing below, I hereby request a permit to authorize the activities described herein. I certify that I am familiar with MCWD Rules and that the proposed activity will be conducted in compliance with these Rules. I am familiar with the information contained in this application and, to the best of my knowledge and belief, all information is true, complete and accurate. I understand that proceeding with work before all required authorizations are obtained may be subject to federal, state and/or local administrative, civil and/or criminal penalties.

X Robert Steele
Signature of Each Property Owner Robert Steele

10/23/2015
Date

Erosion Control Supplemental Information

Final Stabilization will be provided with (seed, sod, etc): sod

and 6 inches of topsoil will be added/replaced prior to final stabilization.

Concrete Washout: Location of concrete washout

Off site Indicated on site plans Other (description): Contained on truck:

Vegetation: Protective fencing will be installed as necessary so as to exclude all fill and equipment from the drip line or critical root zone, whichever is greater, of all vegetation to be retained.

Yes Not Applicable Other (description):

Inspections: An erosion control inspection plan is required for all projects. The inspection requirements are as follows:

- 1) *The individual identified as being responsible for implementing the erosion control plan must routinely inspect the construction site once every seven days during active construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours.*
- 2) *All inspections and maintenance conducted during construction must be recorded in writing and these records must be retained with the erosion control plan and made available at the District's request within 24 hours. Records of each inspection and maintenance activity shall include:*
 - i. *Date and time of inspections;*
 - ii. *Name of person conducting inspections;*
 - iii. *Findings of inspections, including recommendations for corrective actions;*
 - iv. *Corrective actions taken (including dates, times and party completing maintenance activities); and*
 - v. *Date and amount of all rainfall events greater than 0.5 inches in 24 hours.*

Provide the following information for the primary individual responsible for implementing the erosion control plan:

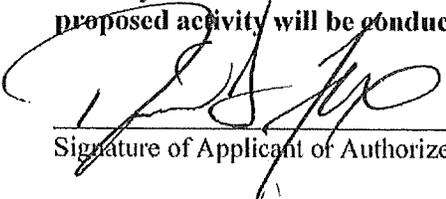
Name Preston Fox

Organization 4 Square Builders, Inc.

Phone 320-864-6183 Alternate Phone 320-583-8712

Email 4square@embargmail.com

I certify that I am familiar with the requirements of the MCWD Erosion Control Rule and that the proposed activity will be conducted in compliance with this rule.


Signature of Applicant or Authorized Agent

10/21/15
Date

Application Checklist for Erosion Control Permit

To meet the permit application requirements of the Minnehaha Creek Watershed District's (MCWD) Erosion Control Rule, please refer to the following checklist and submit the required materials. This checklist is intended primarily as a guide for smaller projects such as single family homes. Additional materials may be required. See the complete Erosion Control Rule text for more details.

- A \$10.00 application fee payable to MCWD. Checks, Visa or Mastercard accepted.
- A completed Water Resource Permit Application Form with signatures (scanned or faxed signatures are acceptable).
- A site plan (11"x17" in size or smaller) that shows the following (see example):
 - Site property lines.
 - Existing and proposed elevation contours sufficient to show drainage on and adjacent to the site.
 - The site location in relation to surrounding roads, steep slopes, significant geographic features, buildings and other structures.
 - Identification and location of all water features and facilities on-site and within 1000 feet of the area to be disturbed including any lake, stream or wetland; any natural or artificial water diversion or detention area; any surface or subsurface drainage facility or stormwater conveyance; and any storm sewer catch basin within 100 feet and down-gradient of the area to be disturbed.
 - Identification of all receiving waterbodies and/or stormwater conveyance systems to which the site discharges.
 - Location of trees and vegetation to be retained (with required protective fencing noted).
 - Existing 100 year flood elevation, if applicable.
 - NA Location of proposed grading or other land-disturbing activity and location of stockpiles. OFFSITE - HAUL AWAY
 - Quantities of soil or earth material to be removed, or stored on site, and area of land to be disturbed.
 - Location of on-site concrete washout area (if applicable - Impervious liner must be used and indicated on the site plan). Conc washed taken back to point of conc
- Locations of proposed runoff control, erosion prevention, sediment control and temporary and permanent soil stabilization measures, including:
 - Perimeter control along all roads and trails (SILT FENCE)
 - Perimeter control at the bottom of all slopes leading off site or toward water resources.
 - NA Perimeter control and/or cover around/on all large stockpiles. (None on site)
 - Crushed rock or existing paved construction entrance.

NOTE:

- ✦ All erosion and sediment control measures must be in place before any land disturbing activity begins.
- ✦ Silt fence must be trenched in six inches and installed correctly (see figure).
- ✦ A permanent stabilization plan that states the following (can be written on site plan):
- ✦ Addition of at least 6" of topsoil to all disturbed areas.
- ✦ Method for establishing permanent vegetative cover (on the supplemental form).

Please Note:

- ❖ Financial assurance is required for projects disturbing more than one acre.
- ❖ MCWD must be notified prior to any site dewatering.
- ❖ The permittee may be required to implement additional sediment/erosion control measures upon request from MCWD staff if at any time after the permit is issued, it is considered necessary for compliance with the Erosion Control Rule.

GRONBERG & ASSOCIATES, INC.

SURVEYING, ENGINEERING AND LAND PLANNING

445 N. WILLOW DRIVE

LONG LAKE, MINNESOTA 55358

952-473-4141

FAX: 952-473-4435

ROBERT STEELE

RAIN GARDEN CALCULATIONS

October 22, 2015

EAST RAIN GARDEN

Existing hardcover running to rain garden = 714 SF

1" runoff over 714 SF = 60 C.F. required

Rain garden volume

| <u>ELEV(FT)</u> | <u>AREA(SF)</u> | <u>VOL(CF)</u> |
|-----------------|-----------------|----------------|
| 932.5 | 175 | |
| | | > 66 |
| 932.0 | 90 | |

WEST RAIN GARDENS

Existing & proposed hardcover running to both west rain gardens = 1179 SF

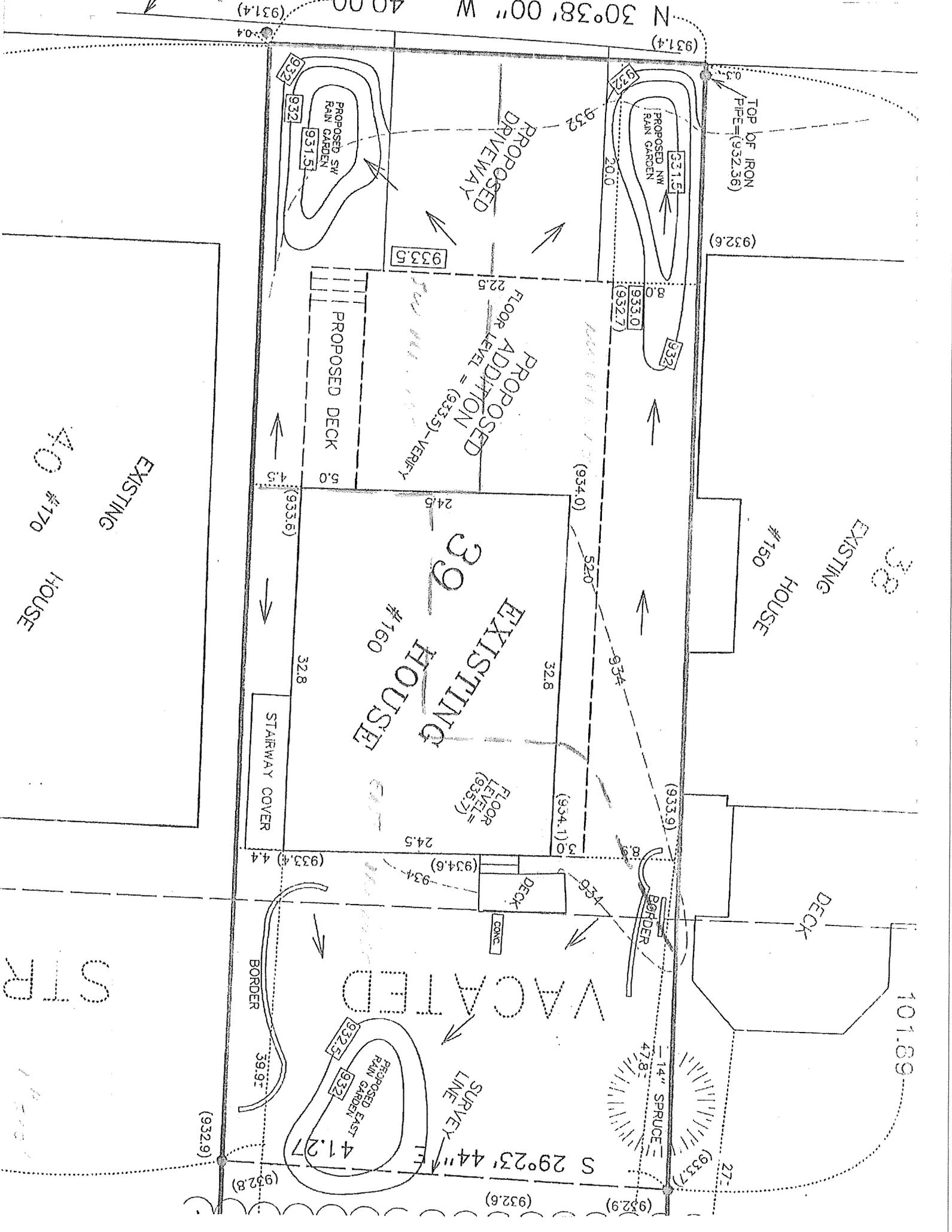
1" runoff over 1179 SF = 98 C.F. of volume required

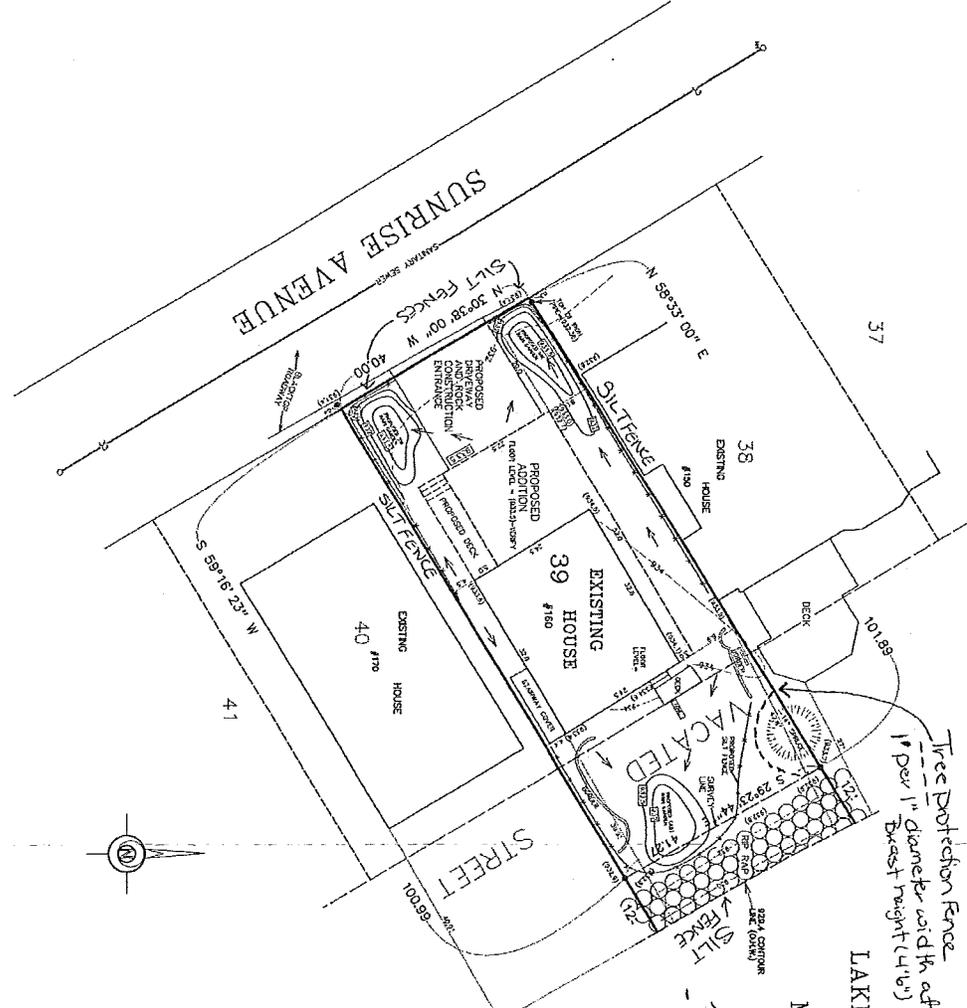
NW rain garden

SW rain garden

| <u>ELEV(FT)</u> | <u>AREA(SF)</u> | <u>VOL(CF)</u> | <u>ELEV(FT)</u> | <u>AREA(SF)</u> | <u>VOL(CF)</u> |
|-----------------|-----------------|----------------|-----------------|-----------------|----------------|
| 932.0 | 140 | | 932.0 | 130 | |
| | | > 50 | | | > 49 |
| 931.5 | 90 | | 931.5 | 65 | |

Total = 99 CF



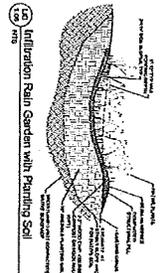


CERTIFICATE OF SURVEY FOR
ROBERT L. STEELE
 OF LOT 39, & PART OF THE ADJACENT VACATED STREET IC SHELLEY AND N. F. GRISWOLDS AMENDMENT AND FIRST ADDITION TO MINNETONKA LAKE PARK HENNEPIN COUNTY, MINNESOTA

MINNETONKA LAKE

Notes:
 - No stockpiling on site
 - Haul out & haul in when necessary call earth & fill.
 - 41.7 cubic yards earth to be excavated
 - 20 cubic yards in fill to be replaced around concrete footings.
 - Concrete sidewalk will be taken back to concrete slab - not to be done onsite!
 - SILT FENCE TO BE INSTALLED surrounding property & maintained by U Square Builders, Inc.

EXIST' F.A.R. **38.7%**



15 Utilization Rain Garden with Permeable Soil
 PLANNING TO BE REVIEWED BY MINNETONKA
 FROM THE PERMITS DIVISION

PROPOSED HANCOCKOVER:
 Proposed addition = 4,529 sf
 Proposed driveway = 4,452 sf
 Remove existing driveway = -820 sf
 Remove existing concrete = -55 sf
 Remove existing steel at driveway = -32 sf
 Net gain = 243 sf

243 + 1550 / 4800 x 100 = 41.52%

LEGAL DESCRIPTION OF PREMISES:
 Lot 39, and that part of the adjoining vacated street lying between the northerly extension of the northerly and southerly lines of said Lot 39, I.C. SHELLEY AND N. F. GRISWOLDS AMENDMENT AND FIRST ADDITION TO MINNETONKA LAKE PARK

(dots) : denotes existing spot elevation, mean sea level datum
 (circled dots) : denotes proposed spot elevation, mean sea level datum
 -017--- : denotes existing contour line, mean sea level datum
 ---020 : denotes proposed contour line, mean sea level datum

Bearings shown are based upon an assumed datum.

Lot area = 4800 sq. ft. = 0.11 acres

This survey intends to show the boundaries of the above described property, and the proposed addition, driveway, and landscaping. It does not purport to show any other improvements or encroachments.

| | | | | |
|----------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------------------------------------------------|
| DATE | REVISIONS | 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 Land Surveyor under the laws of the State of Minnesota. | PROJECT | GRONBERG & ASSOCIATES, INC. CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS 415 NORTH WILLOW DRIVE LONG LAKE, MN 55356 652-473-4141 |
| 10-11-15 | REFLECT FROM RECORDS DATE TO DATE, CORRECTED TO RECORDS DATE | | | |
| 10-11-15 | ADD BLOCKS AND | | | |
| 10-11-15 | | | | |