

**SCANLAN  
RESIDENCE**

**LEGAL DESCRIPTION:**

**PARCEL 1**  
All that part of Lakeland City, (now vacated) described as follows, to-wit: Bounded on the North by a line drawn parallel with and 50 feet North of the North line of Section 2, Township 28, Range 20 West; on the South by a line drawn parallel to and 1600 feet North of the center line of Court Street, as shown by said Plat; on the West by the Easterly line of the existing right of way of the Chicago, Milwaukee, St. Paul and Pacific Railroad Company, and on the East by the Westerly shoreline of St. Croix River. Also hereby granting to the said party of the second part for passage to and from the land above described and hereby conveyed for vehicles, invited guests, animals and on foot, over a strip of land 20 feet in width, lying immediately East of and adjoining said right of way of the said Chicago, Milwaukee, St. Paul and Pacific Railroad Company, described as follows, to-wit: Beginning in the center of Court Street as shown on said Plat, where the same intersects the Easterly line of the right of way of the said Chicago, Milwaukee, St. Paul and Pacific Railroad Company; thence following the Easterly line of said right of way to the land above described and hereby conveyed the Westerly 20 feet of the premises above described and hereby conveyed are subject to Easements for ingress and egress for the same purposes and uses as described in the foregoing easement.

Otherwise designated as Lot 8, County Auditors Plat #10, Said Survey and Plat dated March 6, 1945, recorded July 6, 1945 in Plat Book "D", page 97.

AND

**PARCEL 2**  
All that tract of land, 50 feet in width, more or less, on the Easterly side of the center line of the Chicago, Milwaukee, St. Paul, and Pacific Railroad Company right-of-way, located in Washington County, Minnesota, which tract of land contains approximately 8,600 square feet and can be described as follows: Commencing at a point on the center line of said right-of-way, which point is distant 1,298 feet South, more or less, from the center line of Putnam Street, Lakeland City, as measured along the center line of said right-of-way, thence proceeding Southerly along the center line of said right-of-way a distance of 172 feet and there terminating. The above described tract of land abuts or crosses that certain tract of land, the legal description of which is attached hereto as Exhibit A and incorporated herein by reference.

**CONTACT:**

**CATES FINE HOMES**  
2000 Industrial Blvd  
Stillwater, Mn 55082  
Phone: 651-439-2844

**COUNTY/CITY:**

**WASHINGTON  
COUNTY**  
**CITY OF  
LAKELAND SHORES**

**REVISIONS:**

DATE	REVISION
12-28-16	INITIAL ISSUE
7-19-17	PROPOSED HOUSE
8-11-17	REVISED

**CERTIFICATION:**

I hereby certify that this plan 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.

*Daniel L. Thurmes*  
Daniel L. Thurmes Registration Number: 25718  
Date: 12-28-16

**PROJECT LOCATION:**

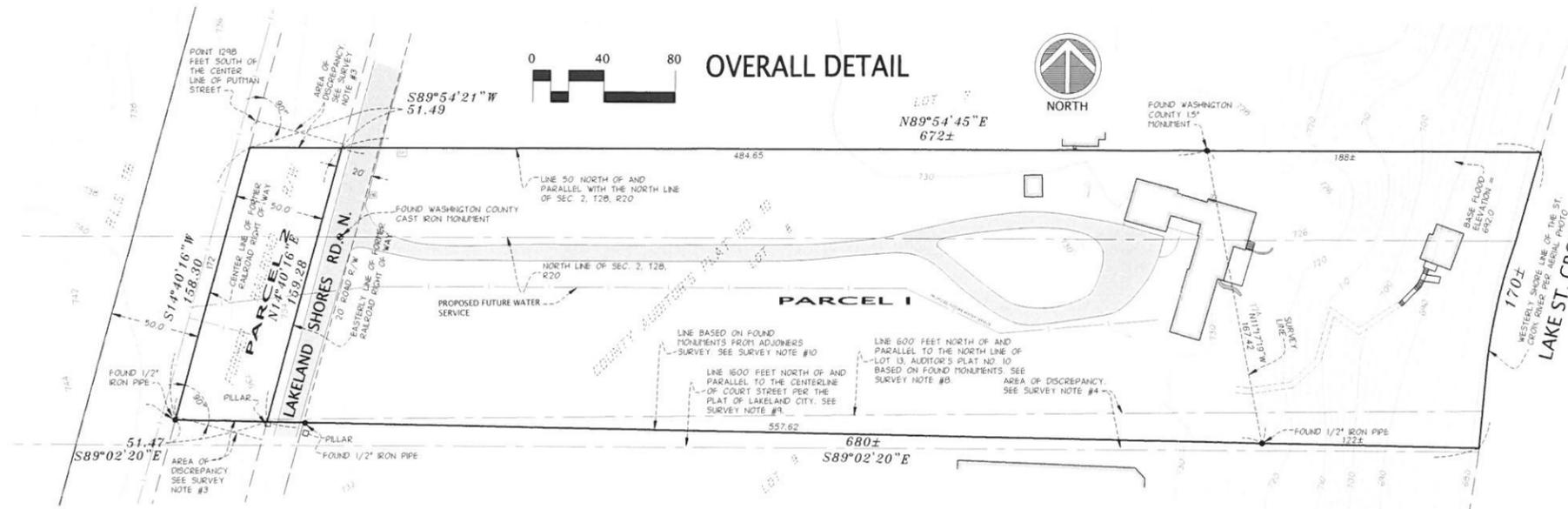
**125**  
LAKELAND SHORES RD. N.  
PID#0202820110009

Suite #1  
6750 Stillwater Blvd. N.  
Stillwater, MN 55082  
Phone 651.275.8969  
Fax 651.275.8976  
dan@  
cssurvey  
.net

**CORNERSTONE  
LAND SURVEYING, INC.**

FILE NAME: SURVJ45  
PROJECT NO.: JC16045

**CERTIFICATE OF  
SURVEY**



**LEGEND**

● FOUND 1/2" IRON PIPE	○ UNDERGROUND ELECTRICAL	○ UNDERGROUND GAS	○ UNDERGROUND WATER
○ FOUND 1/2" IRON PIPE	○ UNDERGROUND ELECTRICAL	○ UNDERGROUND GAS	○ UNDERGROUND WATER
○ FOUND 1/2" IRON PIPE	○ UNDERGROUND ELECTRICAL	○ UNDERGROUND GAS	○ UNDERGROUND WATER
○ FOUND 1/2" IRON PIPE	○ UNDERGROUND ELECTRICAL	○ UNDERGROUND GAS	○ UNDERGROUND WATER

**EXISTING IMPROVEMENT AREAS:**

IN SQUARE FEET	
HOUSE	= 2,490
FRONT PORCH/ CONC	= 306
REAR DECK/STAIRS	= 237
SHED	= 126
DRIVEWAY	= 6,257
ROADWAY	= 2,257
CONCRETE	= 2,257
WALLS	= 42
LOWER BUILDING	= 384
LOWER DECK/STAIRS	= 94

TOTAL = 12,953 SQ.FT. 11.1% IMPROVEMENTS (TO SHORELINE)

**PROPOSED IMPROVEMENT AREAS:**

NEW IMPROVEMENTS:	
HOUSE	= 3,705
NEW FRONT ENT.	= 134
NEW CONC. FRONT ENT.	= 40
NEW SOUTH PATIO	= 68
NEW REAR DECK/STAIRS	= 254 (REPLACE OLD)
NEW DRIVEWAY	= 9,380
FUTURE GARAGE	= 960

**REMAINING IMPROVEMENTS:**

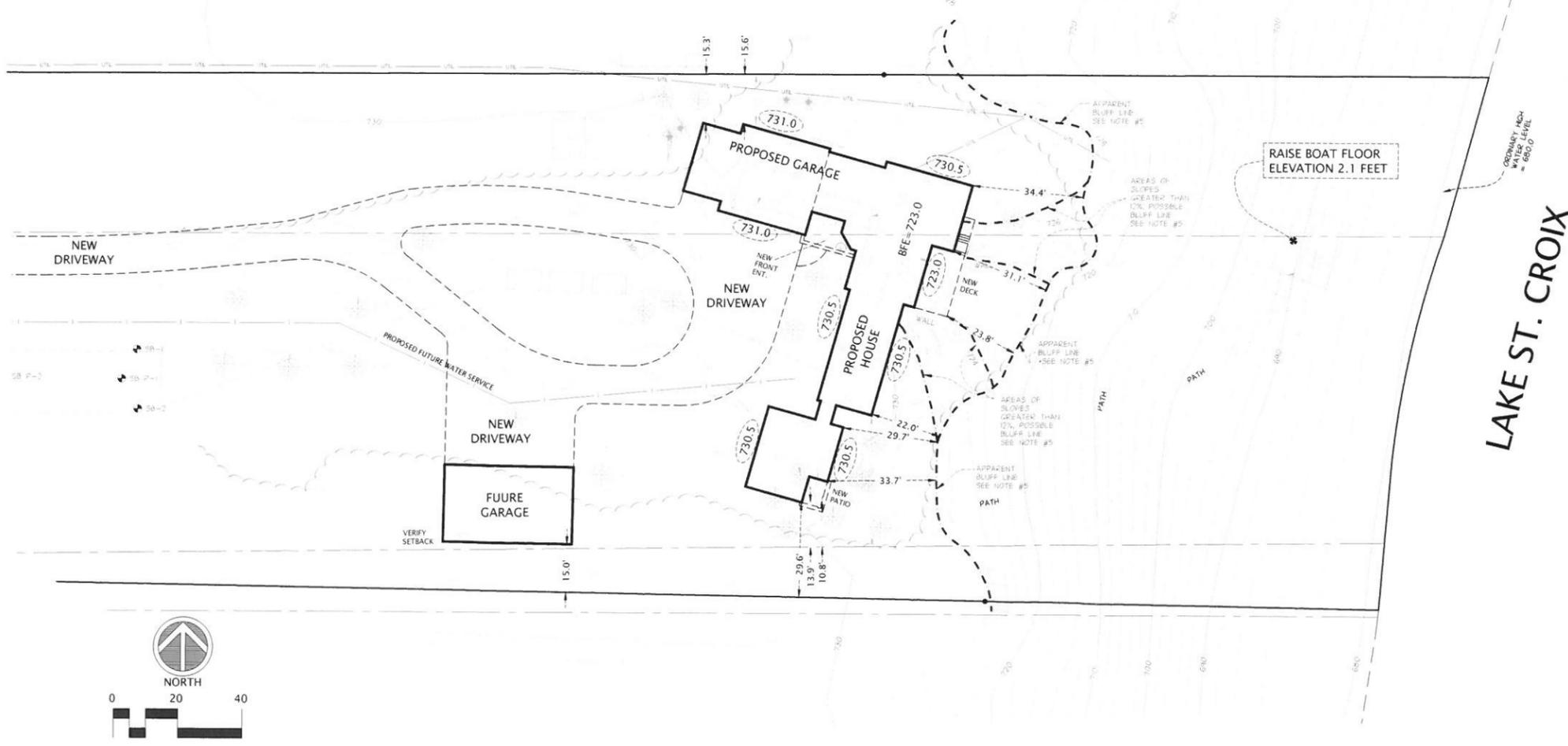
SHED	= 126
ROADWAY	= 2,257
WALLS	= 42
LOWER BUILDING	= 384
LOWER DECK/STAIRS	= 94

TOTAL = 17,444 SQ.FT. 15.1% IMPROVEMENTS (TO SHORELINE)

**AREAS**

PARCEL I TO SHORELINE = 107,936 SQ.FT. / 2.48 ACRES  
PARCEL 2 = 7,923 SQ.FT. / 0.18 ACRES  
TOTAL = 115,859 SQ.FT. / 2.66 ACRES

**SITE DETAIL**



**CALL BEFORE YOU DIG!**  
**Gopher State One Call**  
TWIN CITY AREA: 651-454-0002  
TOLL FREE: 1-800-252-1166

**SURVEY NOTES:**

- BEARINGS ARE BASED ON COORDINATES SUPPLIED BY THE WASHINGTON COUNTY SURVEYORS OFFICE. (NAD 83)
  - UNDERGROUND UTILITIES NOT SHOWN OR LOCATED.
  - THE LEGAL DESCRIPTION FOR PARCEL II IS AMBIGUOUS. THE 50' WIDE FORMER RAILROAD RIGHT OF WAY IS CALLED A STRIP DESCRIPTION. THIS DESCRIPTION SHOULD BE MEASURED PERPENDICULAR TO THE CENTERLINE OF THE RAILROAD. THE DESCRIPTION DOES NOT CLARIFY THIS AND SHOULD BE RE-DESCRIBED AND PROPER MEASURES TO CORRECT TITLE SHOULD BE TAKEN. IT IS THE INTENT AND BASED ON OTHER SURVEYS THAT THE RAILROAD SHOULD BE CONTAINED IN THE PARCEL I BOUNDARIES EXTENDED WESTERLY. THE PARCEL II BOUNDARY IS SHOWN AS A DASHED LINE AND IS CONSIDERED TO BE APPROXIMATE UNTIL THE PROBLEM IS RECTIFIED.
  - AREA OF DISCREPANCY WITH ADJOINING MONUMENTED LOT LINE. IT APPEARS THE LOCATION OF COURT STREET MAY HAVE DIFFERENT INTERPRETATIONS AS TO THE FORMER LOCATION. SEE NOTES BELOW. CONTACT AN COMPETANT REAL ESTATE ATTORNEY TO RECTIFY THE MATTER.
  - CONTACT THE CITY OF LAKELAND SHORES ZONING ADMINISTRATOR TO CLARIFY THE LOCATION OF THE BLUFF LINE IN THIS AREA.
- "Bluffline, Riverway" means a line along the top of a slope in the Riverway District connecting the points at which the slope, proceeding away from the river or adjoining watershed channel, becomes less than 12% and it only includes slopes greater than 12% visible from the river or any water course tributary to the river. The location of the bluffline for any particular property shall be certified by a registered land surveyor or the zoning administrator. More than one bluffline may be encountered proceeding away from the river or adjoining watershed channel. All setbacks required herein shall be applicable to each bluffline.
- CONTOUR LINES SHOWN PER DNR CONTOUR DATA OBTAINED FROM THE MINTOPO WEBSITE AND MERGED WITH FIELD LOCATED ELEVATIONS AROUND THE HOUSE AS SHOWN ON THE SURVEY.
  - TWO FOOT CONTOUR INTERVALS.
  - SURVEYS BY WINNER, OCT. 1967 AND KEMPER, NOV. 1994 PLACE THE NORTH LINE OF LOT 13 600 FEET SOUTH AND PARALLEL WITH THIS LINE.
  - THE PLAT OF LAKELAND CITY AS MONUMENTED BY DWYER, RLS 116, ANEZ, SEPT. 1986 AND PER FIELD NOTES DATED 1857 RECEIVED FROM STACK PLACE THE STREETS IN THE PLAT OF LAKELAND CITY PARALLEL WITH PUTNAM STREET. THE PLAT OF AUDITOR'S PLAT NO. 10 PLACES THIS LINE 1600 FEET NORTH AND PARALLEL WITH THE CENTER OF COURT STREET.
  - FOUND 1/2 INCH IRON PIPES WITH PLASTIC RED NON-SURVEY CAPS WERE FOUND TO DELINEATE THIS LINE. FAILED TO CONTACT OWNER OF LOT.



West Elevation



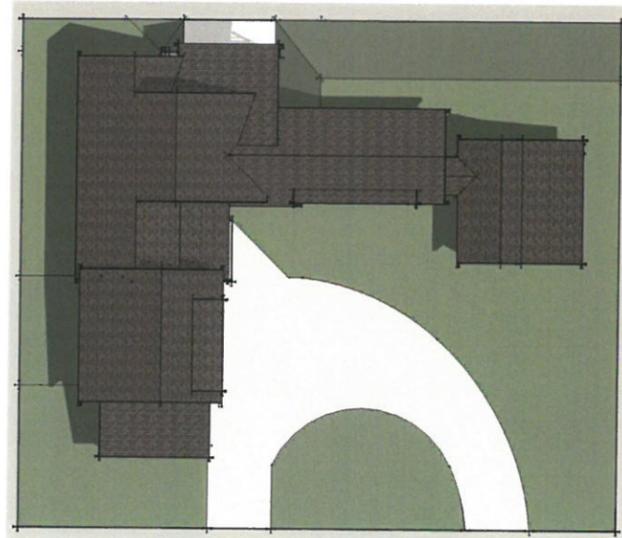
South Elevation



East Elevation



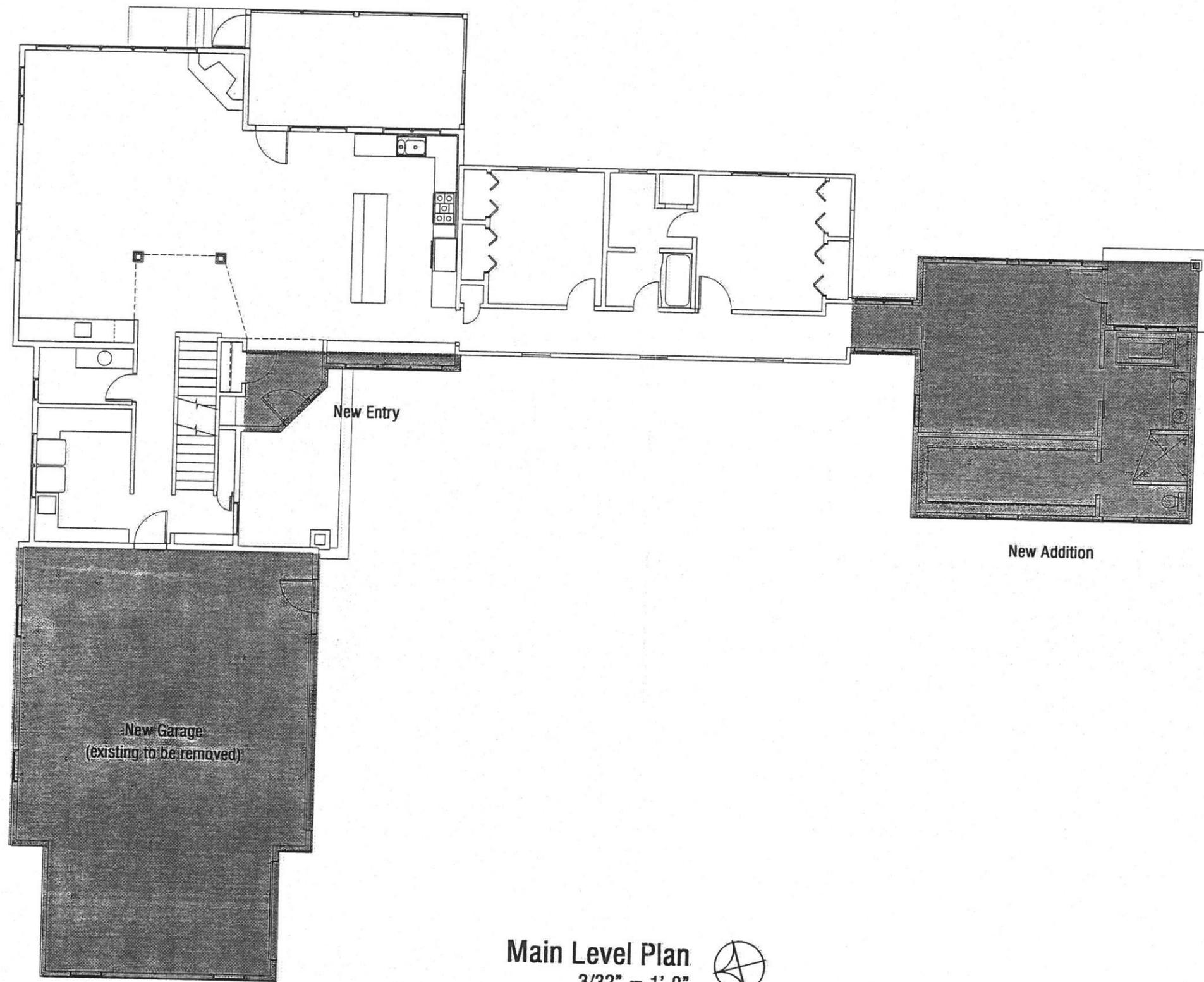
North Elevation



Roof Plan

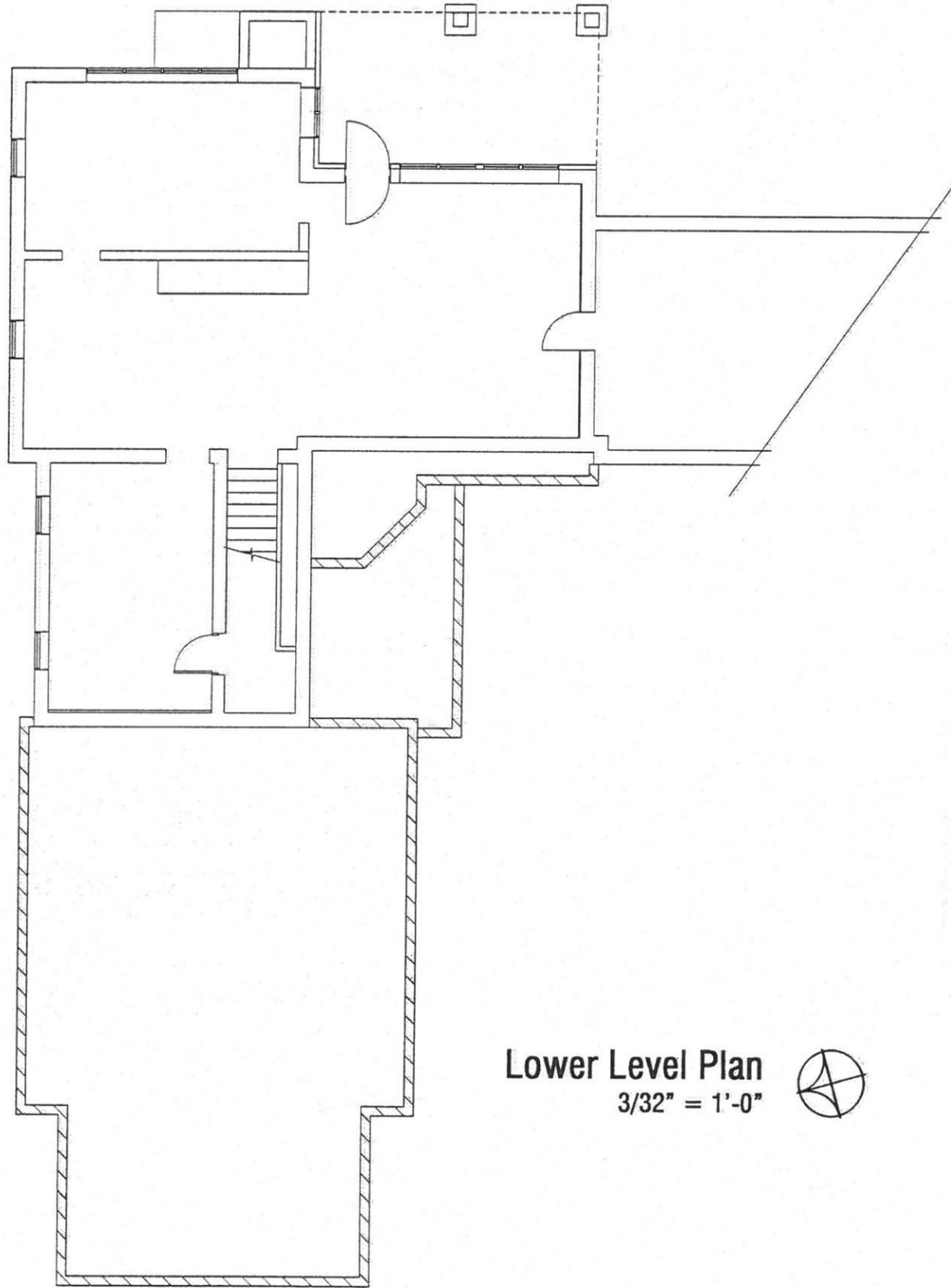


**Scanlan Residence**  
City Review Documents  
125 Lakeland Shores Road North  
michael huber architects 08.09.17

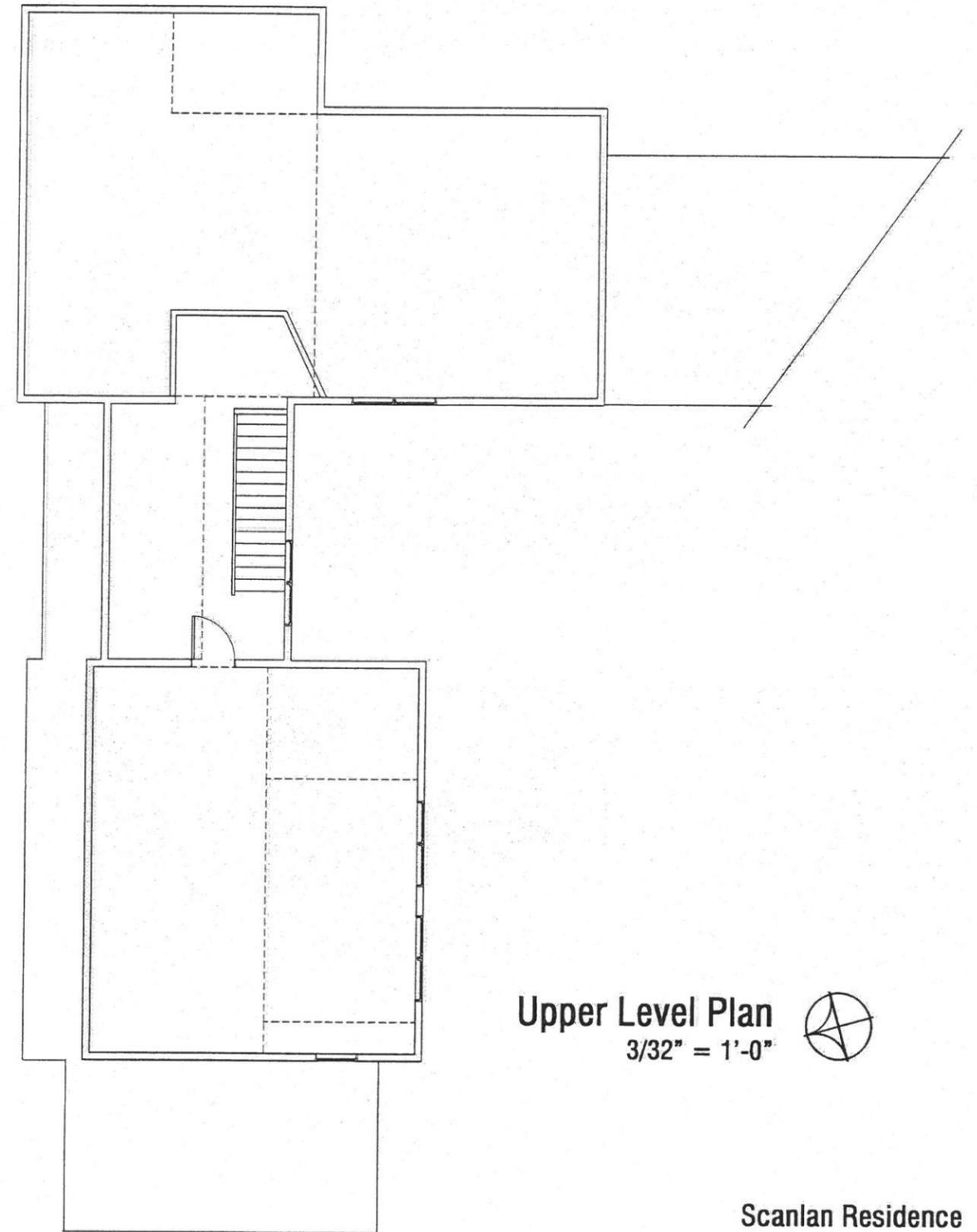


Main Level Plan  
3/32" = 1'-0"

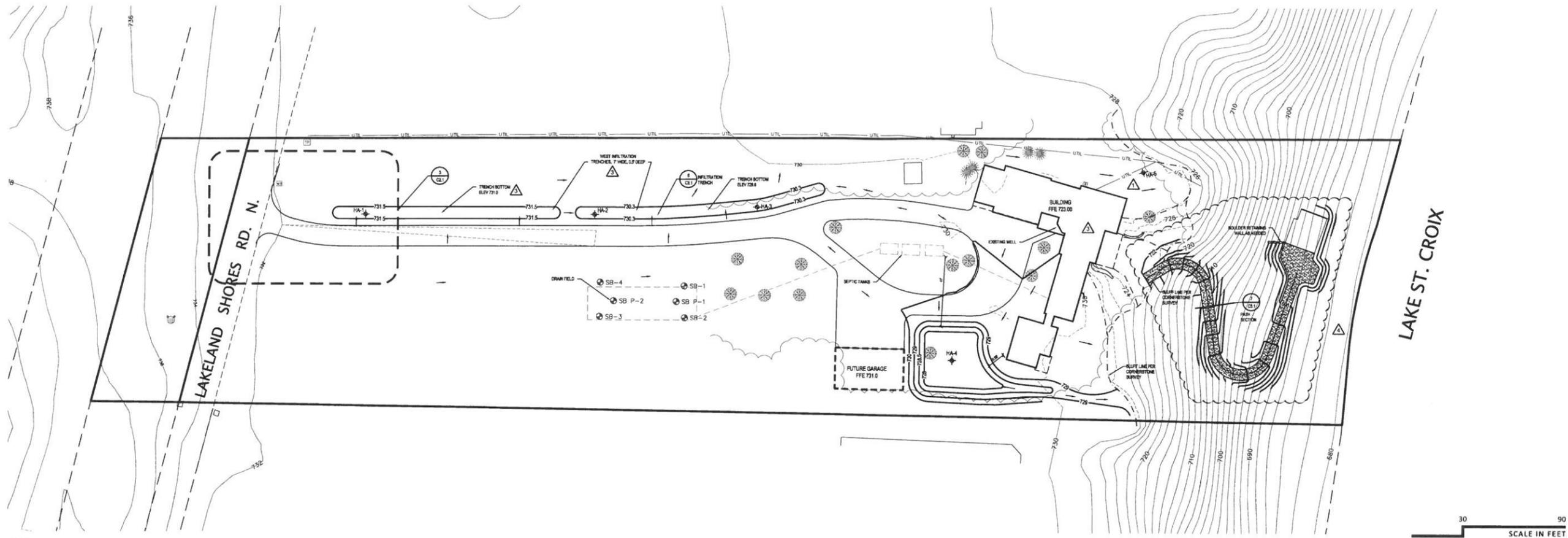




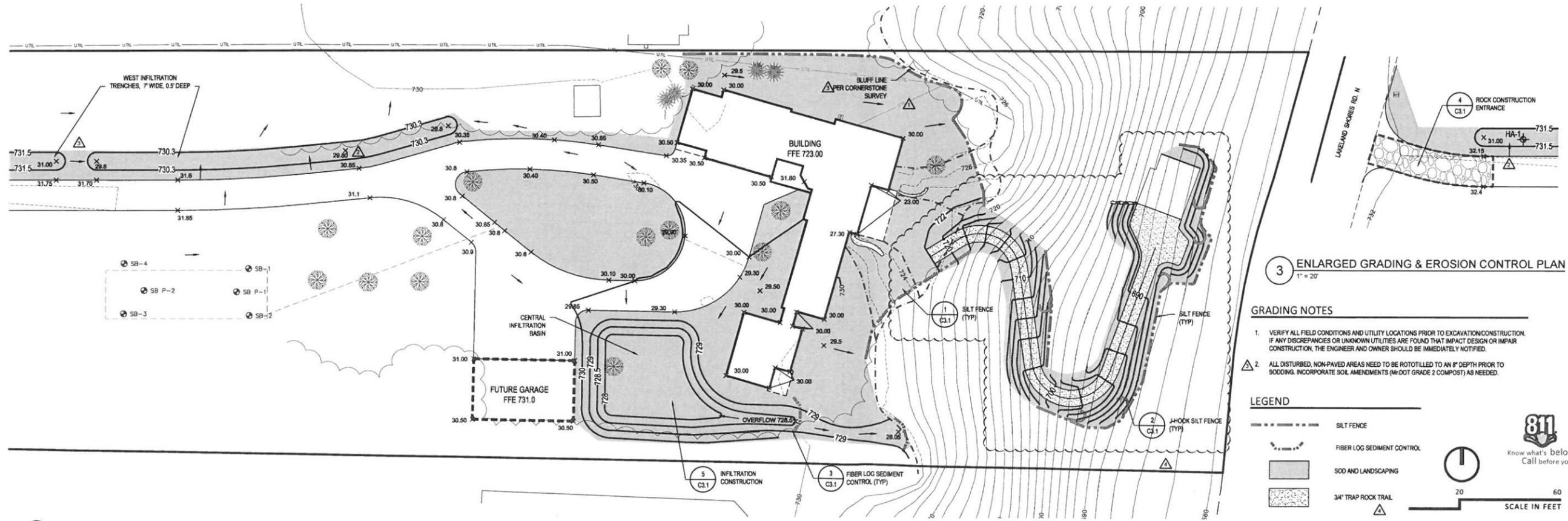
Lower Level Plan  
3/32" = 1'-0"



Upper Level Plan  
3/32" = 1'-0"



1 OVERALL GRADING PLAN  
1" = 30'



2 GRADING & EROSION CONTROL PLAN  
1" = 20'

3 ENLARGED GRADING & EROSION CONTROL PLAN  
1" = 20'

GRADING NOTES

1. VERIFY ALL FIELD CONDITIONS AND UTILITY LOCATIONS PRIOR TO EXCAVATION/CONSTRUCTION. IF ANY DISCREPANCIES OR UNKNOWN UTILITIES ARE FOUND THAT IMPACT DESIGN OR IMPAIR CONSTRUCTION, THE ENGINEER AND OWNER SHOULD BE IMMEDIATELY NOTIFIED.
2. ALL DISTURBED, NON-PAVED AREAS NEED TO BE ROTOTILLED TO AN 8" DEPTH PRIOR TO SODDING. INCORPORATE SOIL AMENDMENTS (M:DOT GRADE 2 COMPOST) AS NEEDED.

LEGEND

- SILT FENCE
- FIBER LOG SEDIMENT CONTROL
- SOD AND LANDSCAPING
- 34" TRAP ROCK TRAIL
- HOOK SILT FENCE (TYP)
- INFLTRATION CONSTRUCTION
- FIBER LOG SEDIMENT CONTROL (TYP)

OWNER

CATES FINE HOMES  
2000 INDUSTRIAL BLVD  
STILLWATER, MN 55082  
T 651-439-2844

PROJECT

SCANLAN  
RESIDENCE

125 LAKELAND  
SHORES ROAD,  
LAKELAND SHORES, MN

ISSUE

ISSUED FOR PERMIT  
08/17/2017

REVISION	DATE
△ ELIMINATE NORTH BASIN	08/27/2017
△ WATERSHED COMMENTS	08/30/2017
△ WATERSHED COMMENTS	08/08/2017
△ CITY COMMENTS	08/21/2017

SHEET INDEX

- C2.1 GRADING & EROSION CONTROL PLAN
- C3.1 STORMWATER MANAGEMENT
- C3.2 SWPPP

**Elan**  
DESIGN LAB  
Civil Engineering | Landscape Architecture | Construction Services  
901 N 3rd STREET, SUITE 120  
MINNEAPOLIS, MN 55401  
P 612.260.7990  
F 612.260.7990 | www.elanlab.com

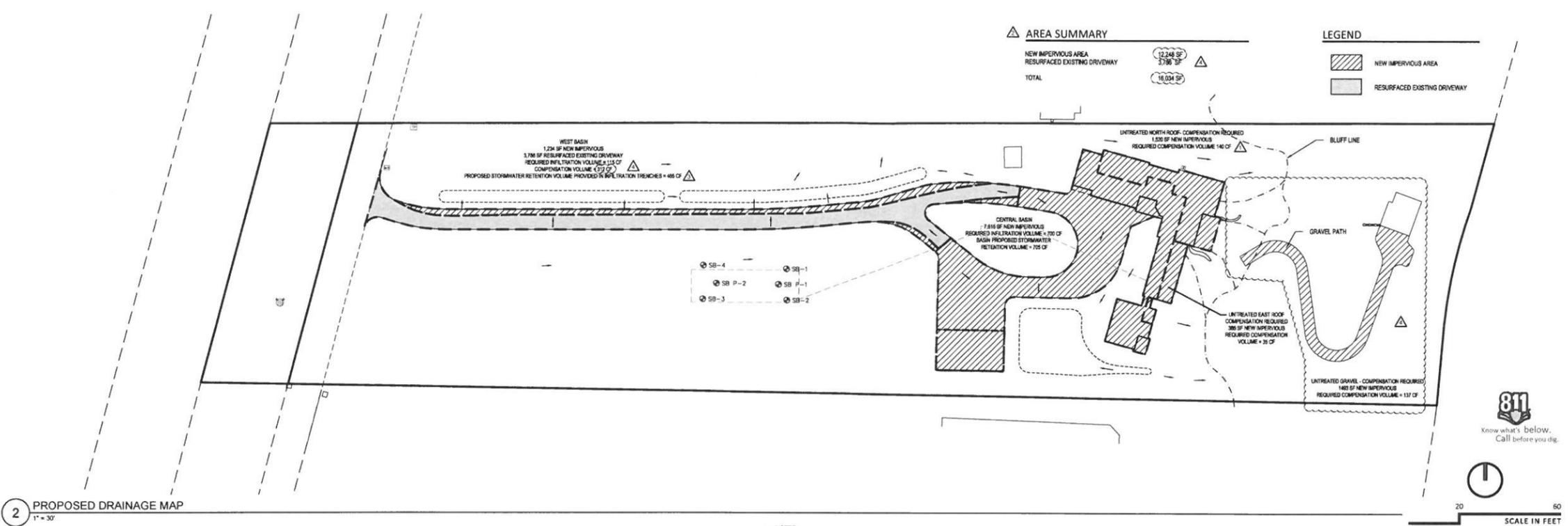
CERTIFICATION  
I hereby certify that this plan was prepared by me, or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of MINNESOTA.

Stephan M. Johnson DATE 08/17/17  
REGISTRATION NO. 18914  
SHEET C201CLS15 DWG

GRADING & EROSION  
CONTROL PLAN

C2.1

PROJECT NO.  
CLS17015



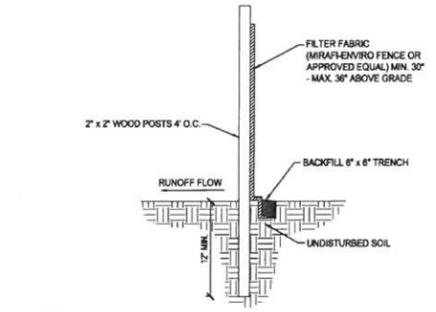
OWNER  
**CATES FINE HOMES**  
2000 INDUSTRIAL BLVD  
STILLWATER, MN 55082  
T 651-439-2844

PROJECT  
**SCANLAN RESIDENCE**  
125 LAKELAND SHORES ROAD,  
LAKELAND SHORES, MN

ISSUE  
**ISSUED FOR PERMIT**  
08/17/2017

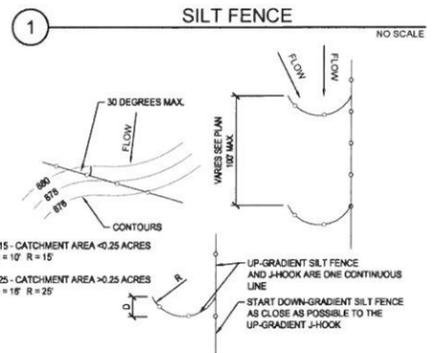
REVISION	DATE
ELIMINATE NORTH BASIN	08/27/2017
WATERSHED COMMENTS	08/30/2017
WATERSHED COMMENTS	09/08/2017
CITY COMMENTS	09/12/2017

2 PROPOSED DRAINAGE MAP  
1" = 30'

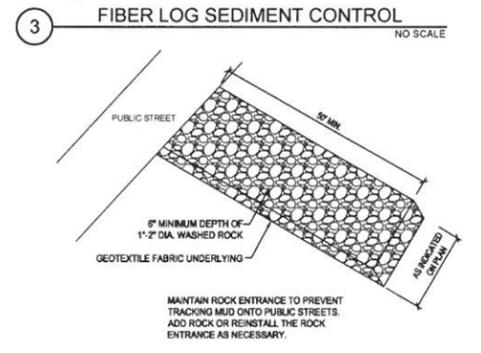
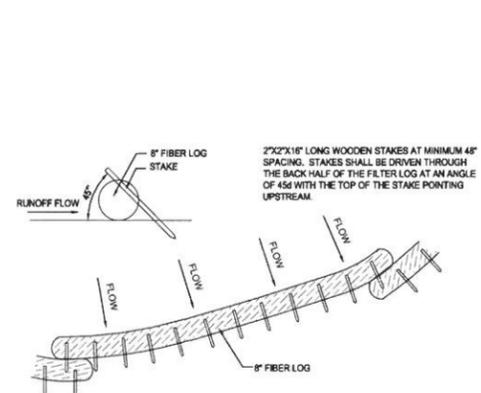


**NOTES:**

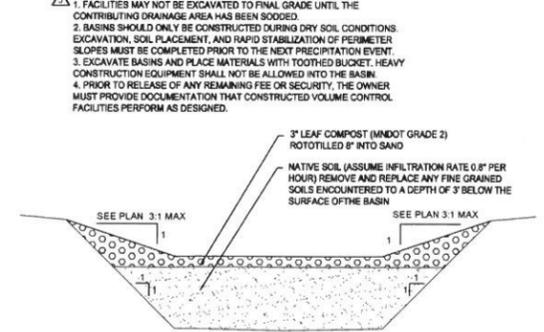
- DIG A 6"x6" TRENCH ALONG THE INTENDED FENCE LINE.
- DRIVE ALL POSTS INTO THE GROUND AT THE DOWNHILL SIDE OF THE TRENCH.
- LAY OUT SILT FENCE ON THE UPHILL SIDE ALONG THE FENCE LINE, AND BACK FILL.
- SPACE WOOD POSTS UP TO 4' APART TO SUPPORT THE FABRIC.
- REMOVE SILT FENCE AFTER TURF IS ESTABLISHED.



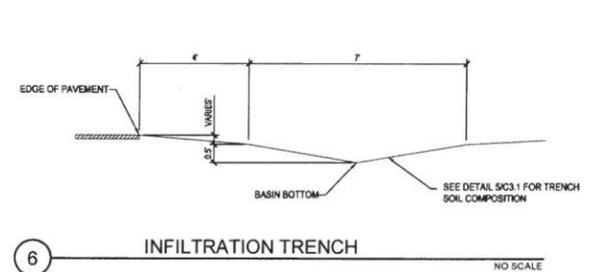
2 J-HOOK SILT FENCE  
NO SCALE



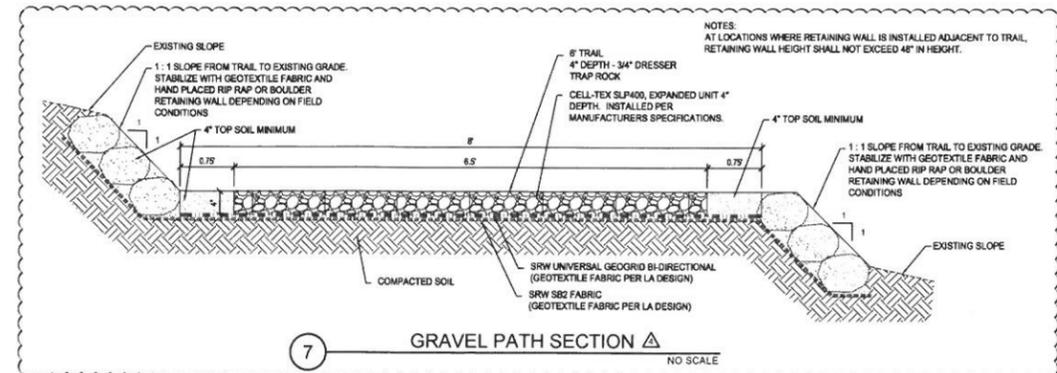
4 ROCK CONSTRUCTION ENTRANCE  
NO SCALE



5 INFILTRATION CONSTRUCTION  
NO SCALE



6 INFILTRATION TRENCH  
NO SCALE



7 GRAVEL PATH SECTION  
NO SCALE

**Elan DESIGN LAB**  
901 N 3rd STREET, SUITE 120  
MINNEAPOLIS, MN 55401  
P 612.260.7980  
F 612.260.7990  
WWW.ELANLAB.COM

**CERTIFICATION**  
I hereby certify that this plan 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.  
*Stephen M. Johnson*  
Stephen M. Johnson DATE 08/17/17  
REGISTRATION NO. 18914

STORMWATER MANAGEMENT  
**C3.1**  
PROJECT NO. CLS17015

**Project Name / Location**

Project Name	Single Family Home
Project Address	125 Lakeland Shores Road, Lakeland Shores, MN 55043
Property ID	020282010000
Latitude / Longitude	44.53852, -92.76213
Project Type	Residential Home Construction

**Contacts**

Owner	Contractor (Operator)	Preparer
Tom Scanlan	Jennifer Cates	Steve Johnston, PE
125 Lakeland Shores Road	Cates Fine Homes	Elan Design Lab, Inc.
Lakeland, MN 55043	2000 Industrial Blvd	901 N 3 <sup>rd</sup> St.
	Stillwater, MN 55082	Suite 120
	651-439-2844	Minneapolis, MN 55401
		612-260-7982
		sjohnston@elanlab.com

**General SWPPP Responsibilities**

The Contractor (Operator) shall provide a knowledgeable and experienced person(s) to oversee the implementation of the SWPPP and the installation, inspection and maintenance of the erosion and sediment control BMP's before and during construction.

The owner will be responsible for the long term operation and maintenance of the permanent storm water management system(s).

Unless specifically stated the engineer shall have no responsibility for any SWPPP activities during or after construction.

**Project Description**

The project consists of the demolition and construction of a new residential home on a lot adjacent to the St. Croix River. The project will disturb a total of 17,018 ft<sup>2</sup> and result in new impervious surfaces totaling 1,248 ft<sup>2</sup> and a resurfaced driveway totaling 3,786 ft<sup>2</sup>.

**Soils**

The USDA/NRCS mapping for the lot indicates that the two soil types on-site consist of a thin sandy loam layer followed by gravelly coarse sand and/or gravelly sand. Borings indicate the presence of shallow bedrock.

**Receiving Waters**

The site drains to the St. Croix River (Lake St. Croix).

**Project Plans**

The following plan sheets are hereby incorporated into this SWPPP:

Sheet Number	Description	Date
C2-1	Grading & Erosion Control Plan	8/17/2017
C3-1	Stormwater Management	8/17/2017
C3-2	SWPPP	8/17/2017

**Related Reviews and Permits**

Agency	Type of Permit or Review	Status
City of Lakeland Shores	Building Permit with Variances	Pending
Middle St. Croix Watershed	Single Lot Residential Project Review	Pending

**Stormwater Management System Overview**

The Storm Water Management System consists of two infiltration basins (rain gardens) sized to hold and infiltrate the runoff from a 1.1" rainfall over the majority of the new impervious areas and portions of the reconstructed impervious areas of the property. Greater intensity storms overflow the infiltration basins and flow to the river. Non-disturbed portions of the site flow off the property bypassing the infiltration basin.

**Erosion Prevention Measures - General**

The Contractor (Operator) is responsible for all erosion prevention measures for the project including but are not limited to the following:

- The Contractor (Operator) shall plan and implement appropriate construction practice and construction phasing to minimize erosion and retain vegetation whenever possible.
- All areas not to be disturbed shall be delineated with flags, stakes, signs, or other means necessary to protect these areas before construction begins on the site.
- All drainage ditches and/or swales shall have temporary or permanent stabilization within 24 hours of connecting to a surface water or 24 hours after construction activity in the ditch/swale has temporarily or permanently ceased.
- All exposed soils shall be stabilized as soon as possible to limit soil erosion. In no case shall un-worked areas, including stock piles, have exposed soils for more than 14 days without providing temporary or permanent stabilization (7 days for projects with a receiving water that is impaired or special).

**Sediment Control Measures and Timing - General**

The Operator (Contractor) is responsible for all sediment control measures for the project. Sediment control measures include but are not limited to the following:

- Sediment control measures shall be established on all down gradient perimeters before any up gradient land disturbing activities begin. These measures shall remain in place until final stabilization has been established.
- On slopes with 3:1 or steeper grades there shall be no unbroken slope length greater than 75 feet.
- Stock piles shall be provided with an effective sediment perimeter control and shall not be placed in any type of surface water or drainage way.
- Vehicle tracking shall be minimized with effective BMP's. Where the BMP's fail to prevent sediment from tracking onto streets the Contractor shall conduct street sweeping to remove all tracked sediment.
- The Operator is responsible for identifying the need for temporary sediment basins based on actual field conditions to protect downstream resources. Temporary sediment basins shall be constructed before up gradient vegetation is disturbed and maintained until the risk of damage to downstream resources is mitigated by other means.

**Dewatering and Basin Draining Activities - General**

The Operator is responsible for adhering to all dewatering and surface drainage regulations, including but not limited to the following:

- Whenever possible water from dewatering activities shall discharge to a temporary and/or permanent sediment basin.
- If water cannot be discharged to a sedimentation basin, it shall be treated with other appropriate BMP's to effectively remove sediment.
- All discharge points shall be protected from erosion and scour.
- Discharge water shall be dispersed over an effective energy dissipation measure.
- All water from dewatering shall be discharged in a manner that does not cause nuisance conditions, erosion, or inundation of wetlands. Water shall not be discharged to adjacent residential properties. It must be discharged to the public street.

**Final Stabilization - General**

The Operator is responsible for ensuring final stabilization of the site, including but is not limited to the following:

- All soil disturbing activities have been completed.
- All exposed soils have been uniformly stabilized with at least 80% vegetation coverage.
- All drainage ditches, ponds and all storm water conveyance systems have been cleared of sediment and stabilized to preclude erosion.
- All temporary BMP's have been removed and properly disposed.
- Final stabilization shall be performed in accordance with MnDOT Specification 2515.

**Temporary Sediment Basin**

During construction the contractor shall excavate and maintain temporary sediment basins as needed to prevent sediment from leaving the site.

**Construction Sequencing**

Contractor shall comply with the following sequence. The Contractor may make adjustments to the sequence if needed to address actual field conditions.

- Install rock construction entrance.
- Install perimeter silt fence and other barriers at a minimum as indicated on the plan. The contractor is responsible for any additional sediment control that is needed.
- Install silt fence at bluff line.
- Do not excavate infiltration basins - fence area off to protect from construction vehicles to the greatest extent feasible.
- Strip and stockpile additional topsoil for reuse in final stabilization. Surround stockpiles with silt fence and temporary seed and mulch the stockpile.
- Begin demolition and new construction.
- Provide temporary erosion control seeding and mulch where active construction is not taking place.
- Complete building construction.
- Remove perimeter silt fence and install landscaping as building construction is completed.
- Replace topsoil and sod all disturbed areas.
- Monitor sod and reinstall as needed until fully established.
- Excavate infiltration basins following details on plan. Remove any non-granular soils and debris from basin. Construct basins in dry soil conditions. Excavation, soil placement, and rapid stabilization of perimeter slopes must be accomplished prior to the next precipitation event.

**Inspection and maintenance**

The Contractor (Operator) is responsible for completing required inspections maintenance and observation of weather conditions and rainfall amounts to ensure compliance with the permit requirements. The Contractor (Operator) shall observe the construction site once every seven (7) days during active construction and within 24 hours after a rainfall event greater than 0.5 inches in 24 hours.

The Contractor (Operator) shall keep a summary maintenance/construction observation report to be recorded after each site visit/observation. The Contractor (Operator) shall submit a copy of the written inspections monthly to the Owner. Records shall include the following:

- Date and time of inspections
- Name of person conducting inspection
- Findings and recommendations for corrective actions if necessary
- Corrective actions taken
- Date and amount of rainfalls greater than 0.5 inches in 24 hours
- Mention of any changes made to the SWPPP
- A site map indicating active construction areas and land disturbing activities.

The Contractor (Operator) must keep the SWPPP, all inspection reports and amendments onsite. The Contractor (Operator) shall designate a specific location to keep the records whenever construction activity is in progress.

All erosion prevention and sedimentation control BMP's must be inspected to ensure integrity and effectiveness. All nonfunctional BMP's must be repaired, replaced or supplemented with functional BMP's. The Contractor (Operator) must investigate and comply with the following inspection and maintenance requirements:

- All sediment barriers including silt fence, Fiber Roll, and similar devices must be repaired/replaced or supplemented when they become nonfunctional or the sediment reaches 1/3 of the barrier height. These repairs shall be made within 24 hours of discovery.
- Temporary and permanent sediment basins must be drained and the sediment removed when the depth of sediment collected in the basin reaches 1/2 the storage volume. Drainage and removal must be completed within 72 hours of discovery.
- Surface waters, including drainage ditches and conveyance systems, must be inspected for evidence of erosion and sediment deposition. The Operator shall remove all deltas and sediment deposited in surface waters, including drainage ways, catch basins, and other drainage systems. The Operator shall stabilize the areas where sediment removal results in exposed soil. Removal and stabilization must take place within 7 days of discovery, unless precluded by legal, regulatory or physical constraints. The Contractor (Operator) is responsible for contacting all local, regional, state and federal authorities and receiving any applicable permits, prior to conducting any work.
- Construction site vehicle exit locations shall be inspected daily for evidence of off-site sediment tracking onto paved surfaces. Tracked sediment must be removed from all paved surfaces within 24 hours of discovery.
- The Contractor (Operator) is responsible for the operation and maintenance of temporary and permanent water quality BMP's. As well as erosion and sediment control BMP's for the duration of the construction work at the site.
- If sediment escapes the construction site, all off-site accumulations of sediment must be removed in a manner and at a frequency sufficient to minimize off-site impacts.
- All filtration areas must be inspected to ensure that no sediment from ongoing construction activities is reaching the filtration areas and these areas are protected from compaction due to construction equipment driving across the filtration area.

**Pollution Prevention Management Measures**

The Contractor (Operator) shall be responsible for all pollution prevention management measures. The Contractor (Operator) is responsible for informing all visitors and/or personnel on-site of the pollution prevention management measures.

All pollution prevention management measures are to be considered incidental to the overall project bid, unless otherwise noted. Pollution prevention management measures include but are not limited to the following:

- The Contractor (Operator) is responsible for the proper disposal, in compliance with MPCA disposal requirements, of all solid or liquid waste and hazardous materials on-site.
- Concrete trucks shall not be allowed to wash out or discharge surplus concrete or drum wash water on-site, unless done in an engineered leak proof containment system.
- All nonhazardous waste materials shall be collected and stored in a securely lidded metal dumpster or other approved containment method at the end of each day. Any alternative to a metal dumpster must be submitted in writing for approval by the project engineer. The dumpster shall be emptied as necessary to function as intended for debris collection. No construction garbage or waste material shall be buried on-site.
- A licensed sanitary waste management Contractor shall collect all sanitary waste from the portable units at a rate necessary to maintain designed function.
- All fertilizers shall be stored in a covered shelter. Partially used bags shall be transferred to a sealable bin to reduce the chance of spillage.
- External washing of trucks and other construction vehicles and engine defueling are prohibited at the construction site. All vehicles on site shall be monitored for leaks and receive regular prevention maintenance to reduce the chance of leakage. Petroleum products shall be stored in tightly sealed containers. Which are clearly labeled. Spill kits shall be included with all fueling sources and maintenance activities. Secondary containment measures shall be installed and maintained by the Operator.
- Any asphalt substances used on-site shall be applied in accordance with manufacturer's recommendations.
- All paint containers and curing compounds shall be tightly sealed and stored when not required for use. Excess paint and/or curing compounds shall not be discharged into the storm sewer system and shall be properly disposed of according to manufacturer's instruction.
- Materials and equipment necessary for spill clean-up shall be kept in an enclosed trailer or shed on-site. Equipment shall include, but not limited to, brooms, mops, dust pans, rags, gloves, goggles, absorbent (kitty litter) oil absorbent booms and diapers and buckets.
- All spills shall be contained and cleaned up immediately upon discovery. Spills large enough to reach the storm water conveyance system shall be reported to the Minnesota duty officer at: 1-800-432-0708.

**Quantities**

Practice	Detail / Spec.	Unit	Quantity
Silt Fence	1/C3-1	LF	470
J-Hook Silt Fence	2/C3-1	LF	105
Fiber Roll	3/C3-1	LF	35
Rock Construction Entrance	4/C3-1	Each	1

**Amendments to the SWPPP**

The SWPPP will be amended as needed and/or as required by provisions of the permit. Amendments will be approved by both the Owner and Contractor (Operator) and will be attached to the SWPPP as an additional sheet. The SWPPP and amendments will be kept on site by the Contractor (Operator) whenever construction activity is in progress.

**OWNER**

CATES FINE HOMES  
2000 INDUSTRIAL BLVD  
STILLWATER, MN 55082  
T 651-439-2844

**PROJECT**

SCANLAN  
RESIDENCE

125 LAKELAND  
SHORES ROAD,  
LAKELAND SHORES, MN

**ISSUE**

ISSUED FOR PERMIT  
08/17/2017

**REVISION**

REVISION	DATE
ELIMINATE NORTH BASIN	08/27/2017
WATERSHED COMMENTS	08/29/2017
WATERSHED COMMENTS	09/06/2017
CITY COMMENTS	09/12/2017

**SHEET INDEX**

C2-1	GRADING & EROSION CONTROL PLAN
C3-1	STORMWATER MANAGEMENT
C3-2	SWPPP



**CERTIFICATION**

I hereby certify that this plan 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.

*Stephen M. Johnston*  
Stephen M. Johnston DATE  
REGISTRATION NO. 19914 08/17/17

**SHEET**

**C3.2**

PROJECT NO.  
CLS17015