

CERTIFICATE OF SURVEY

LAKE DRIVE (100 FT WIDE RIGHT-OF-WAY)
ANOKA COUNTY HIGHWAY RIGHT-OF-WAY PLAT NO. 17
(C.A.S.H. NO. 23) (OLD TRUNK HWY. NO. 8)

LEGEND

- DENOTES 12 INCH COMMON SPIKE SET WITH WASHER STAMPED RLS 16464 OR AS NOTED.
- DENOTES IRON MONUMENT FOUND SIZE, TYPE, & R.L.S. AS NOTED.
- x xxx.xx DENOTES EXISTING SPOT ELEVATION
- xxx--- DENOTES EXISTING GRADE CONTOUR
- g- DENOTES UNDERGROUND GAS LINE
- w- DENOTES WATER MAIN OR SERVICE
- ss- DENOTES SANITARY SEWER OR SERVICE
- stm- DENOTES STORM SEWER OR SERVICE
- o- DENOTES CHAIN-LINK FENCE
- f- DENOTES WOOD FENCE
- ⊞ DENOTES TELECOM PEDESTAL
- ⊞ DENOTES TELECOM MANHOLE
- ⊞ DENOTES STORM SEWER MANHOLE
- ⊞ DENOTES SANITARY SEWER MANHOLE
- ⊞ DENOTES WATER VALVE
- ⊞ DENOTES UTILITY POLE
- ⊞ DENOTES GUY ANCHOR
- ⊞ DENOTES OVERHEAD UTILITY WIRES
- t- DENOTES UNDERGROUND TELEPHONE LINE
- ⊞ DENOTES FIRE HYDRANT
- DENOTES CONCRETE SURFACE

Legal Description: (Warranty Deed)

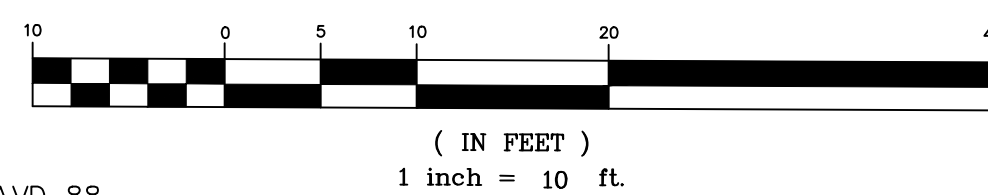
That part of Lots 6 and 7, AUDITOR'S SUBDIVISION NO. 100, Anoka County, Minnesota, lying Northerly of the following described line:

Beginning at a point on the Easterly line of and 20 feet Northerly from the Southeast corner of said Lot 7; thence Northwesterly to a point on the Westerly line of said Lot 7, said point being 150 feet Northeasterly from the Southwest corner of said Lot 7 (as measured along said Westerly line) and there terminating;

AND lying Southerly of a line drawn from the Southeast corner of said Lot 6, at an angle of 64 degrees, 19 minutes 30 seconds, measured from North to West, to the Westerly line of said Lot 6, and there terminating;

EXCEPTING therefrom, on all above, any part lying within the plat of Anoka County Highway Right of Way Plat No. 17.

GRAPHIC SCALE



BASIS OF BEARINGS: NAVD 88
SITE ADDRESS: 7910 LAKE DRIVE, LINO LAKES, MN 55014
TOTAL AREA: 30,480 SQ. FT OR 0.70 ACRES

7910 LAKE DRIVE, LINO LAKES, MN 55014

Client: MR. PAUL SELBITSCHKA PRECISION TUNE AUTOMOTIVE CENTER 550 LILAC STREET LINO LAKES, MN 55014 PHONE: 651-784-1100	Design by JF	Original date 8-30-2021	I certify that this survey, plan or report was prepared by me or under my direct supervision, and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota. Jonathan L. Farrel Date 8-30-2021 Minnesota Reg. No. 16464
	Drawn by RP	Revisions 9-30-2021 SOIL BORINGS 11-24-21 TREES 12-27-21 2-20-22 2-21-22 3-8-22	
LAKE AND LAND SURVEYING, INC. SURVEYING/CIVIL ENGINEERING 1200 CENTRE POINT, SUITE 375 ST. PAUL, MN 55120 PHONE (651) 776-6211 E-MAIL: JONPARACT@HOTMAIL.COM	Survey book No.	S.A.P. number 2021.375	Page title CERTIFICATE OF SURVEY Sheet number of

C1

LAKE DRIVE (C.A.S.H. NO. 23)
(100 FT WIDE RIGHT-OF-WAY)

REMOVE AND REPLACE
STRIPPING

LEGEND

- DENOTES 12 INCH COMMON SPIKE SET WITH WASHER STAMPED RLS 16464 OR AS NOTED.
- DENOTES IRON MONUMENT FOUND SIZE, TYPE, & R.L.S. AS NOTED.
- DENOTES EXISTING SPOT ELEVATION
- - - - - DENOTES EXISTING GRADE CONTOUR
- - - - - DENOTES UNDERGROUND GAS LINE
- - - - - DENOTES WATER MAIN OR SERVICE
- - - - - DENOTES SANITARY SEWER OR SERVICE
- - - - - DENOTES STORM SEWER OR SERVICE
- - - - - DENOTES CHAIN-LINK FENCE
- - - - - DENOTES WOOD FENCE
- ⊠ DENOTES TELECOM PEDESTAL
- ⊞ DENOTES TELECOM MANHOLE
- ⊞ DENOTES STORM SEWER MANHOLE
- ⊞ DENOTES SANITARY SEWER MANHOLE
- ⊞ DENOTES WATER VALVE
- ⊞ DENOTES UTILITY POLE
- ⊞ DENOTES GUY ANCHOR
- ⊞ DENOTES OVERHEAD UTILITY WIRES
- - - - - DENOTES UNDERGROUND TELEPHONE LINE
- ⊞ DENOTES FIRE HYDRANT
- DENOTES CONCRETE SURFACE
- ✕ DENOTES TREE TO BE REMOVED
- DENOTES TREE PROTECTION FENCE

REMOVE ALL STREET, DRIVEWAY, FENCE AND CONSTRUCTION DEBRIS FROM SITE.

BASIS OF BEARINGS: ASSUMED
SITE ADDRESS: 7910 LAKE DRIVE, LINO LAKES, MN 55014
TOTAL AREA: 30,480 SQ. FT OR 0.70 ACRES

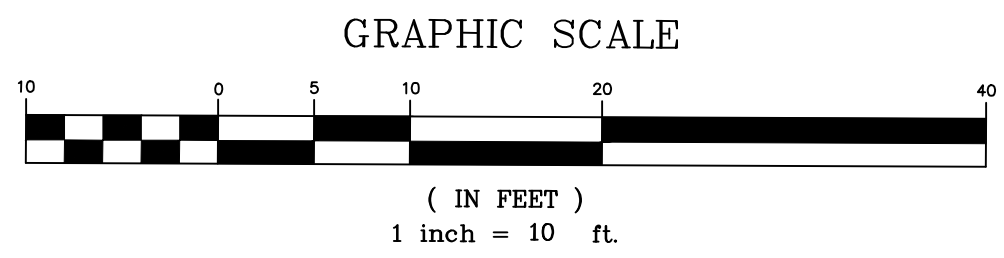
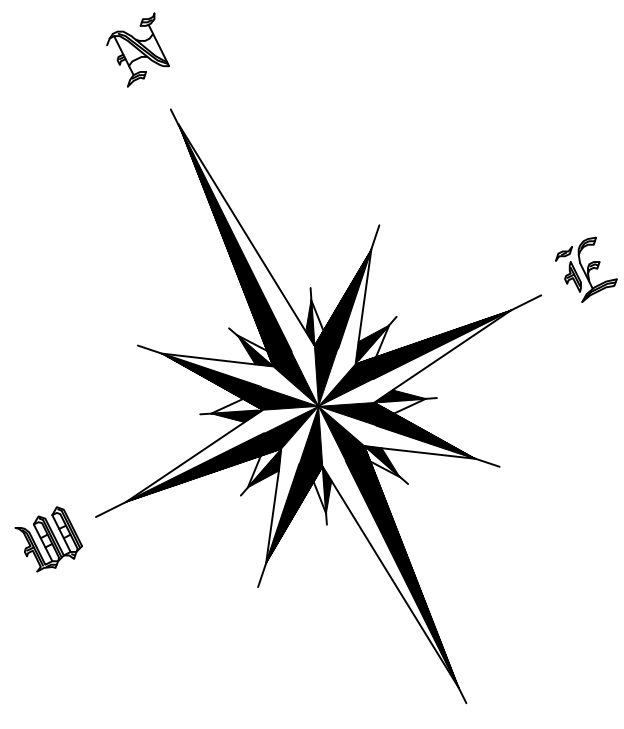
DEMOLITION PLAN

7910 LAKE DRIVE, LINO LAKES, MN 55014

Client: MR. PAUL SELBITSCHKA PRECISION TUNE AUTOMOTIVE CENTER 550 LILAC STREET LINO LAKES, MN 55014 PHONE: 651-784-1100	Design by JF	Original date 10-11-2021	I 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. Jonathan L. Farrel Date 10-11-2021 Minnesota Reg. No. 16464
	Drawn by RP	Revisions 11-24-21 12-27-21 1-20-22 2-21-22 3-8-22	
LAKE AND LAND SURVEYING, INC. SURVEYING/CIVIL ENGINEERING 1200 CENTRE POINT, SUITE 375 ST. PAUL, MN. 55120 PHONE: (651) 776-6211 E-MAIL: JONPARACT@HOTMAIL.COM	Survey book No.	S.A.P. number 2021.375	Page title DEMOLITION PLAN
			Sheet number of

C2

SITE PLAN



SETBACKS
FRONT 40 FEET
REAR 30 FEET
SIDES 10 FEET

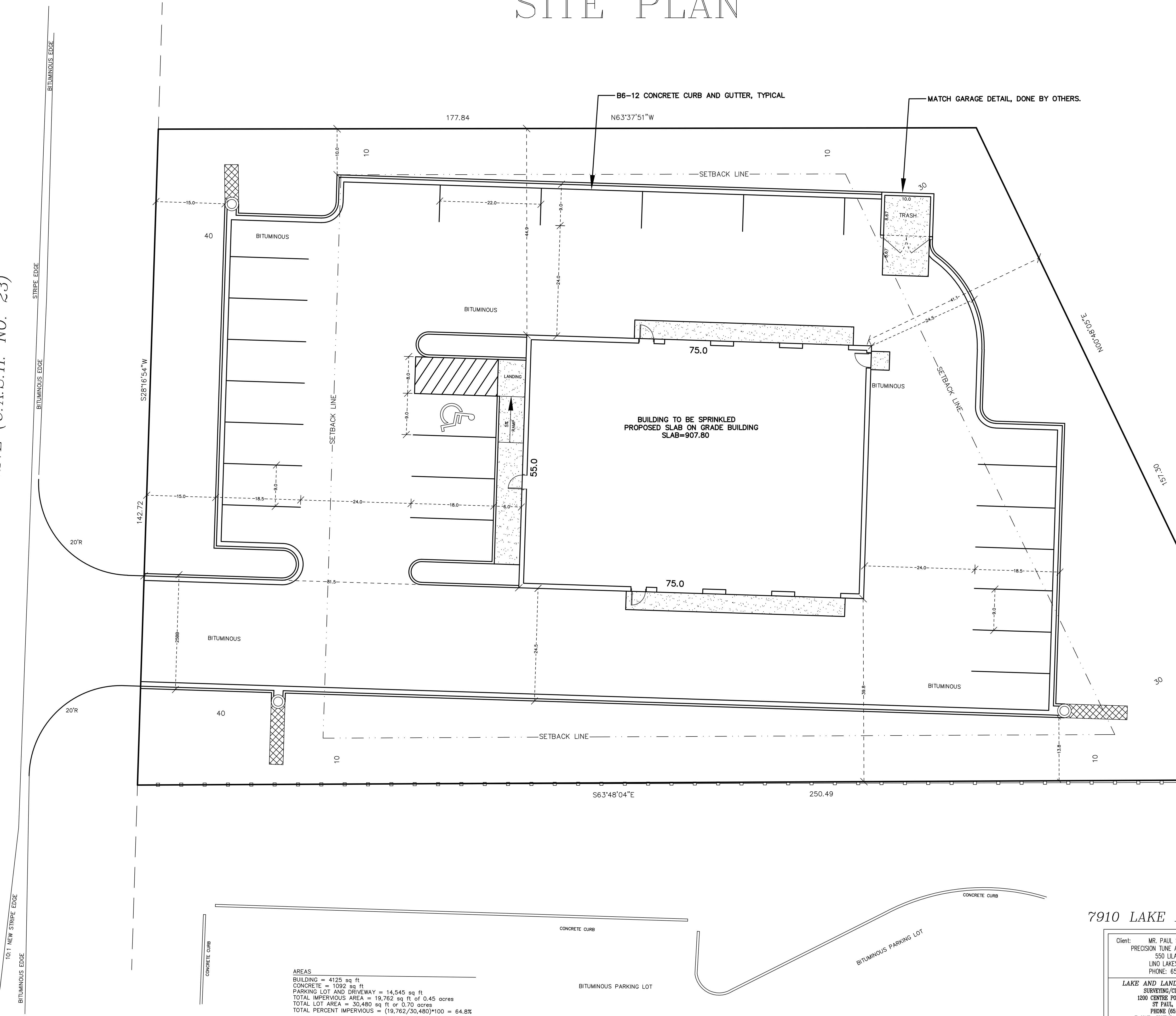
REQUIRED PARKING,
TWO SPACES PER SERVICE BAY.
6 SERVICE BAYS X 2 =
12 PARKING SPACES.
24 PARKING SPACES PROVIDED.

DUPONT AVENUE
(33 FT WIDE RIGHT-OF-WAY)

INSTALL 40 FT LONG BY 6 FEET HIGH
FENCE ALONG PROPERTY LINE, SEE
ARCHITECT'S PLAN FOR DETAILS

DELTA LANE
(40 FT WIDE RIGHT-OF-WAY)

LAKE DRIVE (C.A.S.H. NO. 23)



AREAS
BUILDING = 4125 sq ft
CONCRETE = 1092 sq ft
PARKING LOT AND DRIVEWAY = 14,545 sq ft
TOTAL IMPERVIOUS AREA = 19,762 sq ft of 0.45 acres
TOTAL LOT AREA = 30,480 sq ft or 0.70 acres
TOTAL PERCENT IMPERVIOUS = (19,762/30,480)*100 = 64.8%

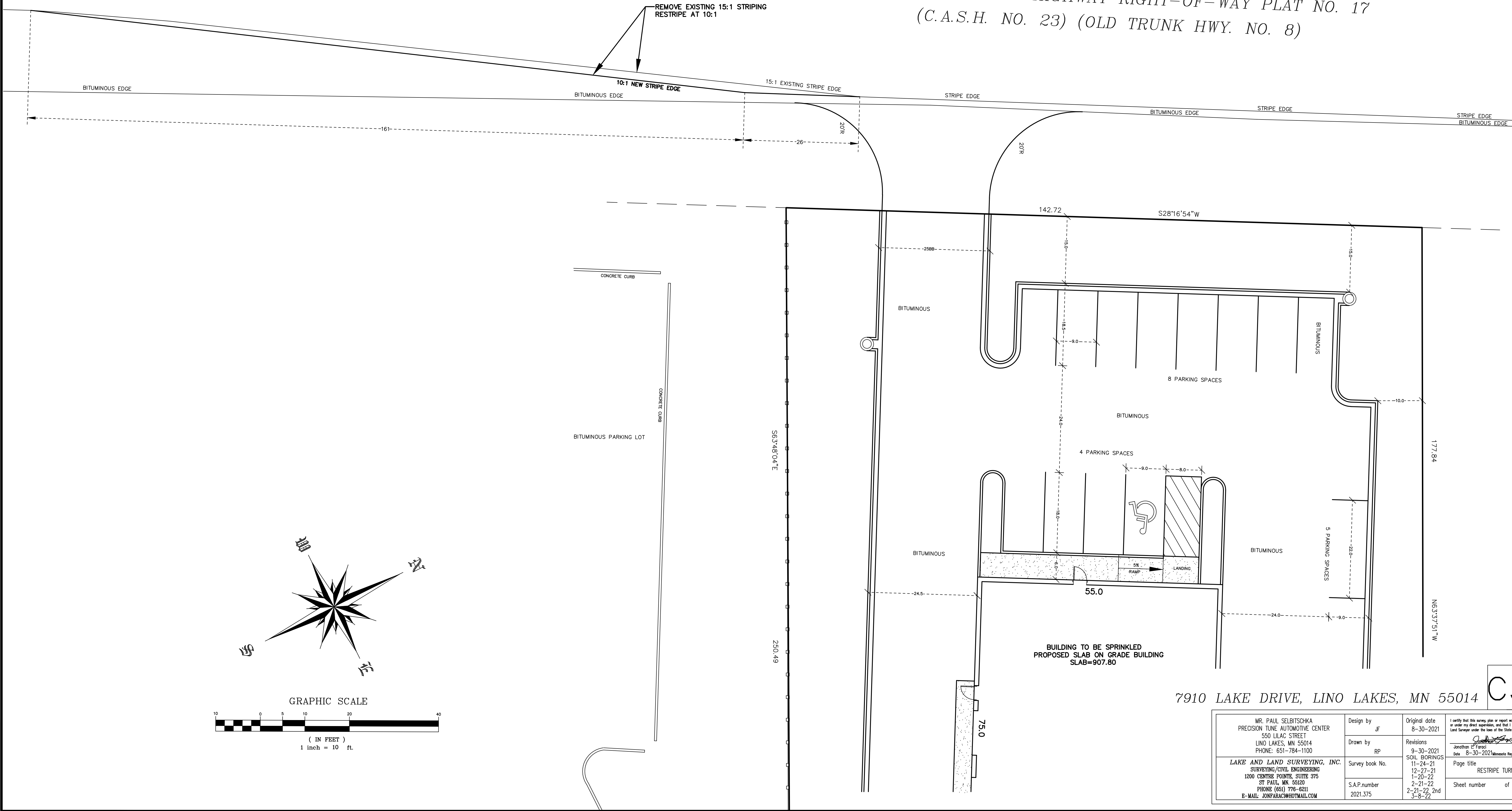
7910 LAKE DRIVE, LINO LAKES, MN 55014

C3

Client: MR. PAUL SELBITSCHKA PRECISION TUNE AUTOMOTIVE CENTER 550 LILAC STREET LINO LAKES, MN 55014 PHONE: 651-784-1100	Design by JF	Original date 10-11-2021	I 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. Jonathan L. Forest Date: 10-11-2021 Minnesota Reg. No. 16464
	Drawn by RP	Revisions 11-24-21 12-27-21 1-20-22 2-21-22 2-21-22 2nd 3-8-22	
LAKE AND LAND SURVEYING, INC. SURVEYING/CIVIL ENGINEERING 1200 CENTRE POINT, SUITE 375 ST PAUL, MN 55120 PHONE: (651) 776-6211 E-MAIL: JONPARACT@HOTMAIL.COM	Survey book No.		Page title SITE PLAN
	S.A.P.number 2021.375		Sheet number of

RESTRIPE TURN LANE

LAKE DRIVE (100 FT WIDE RIGHT-OF-WAY)
ANOKA COUNTY HIGHWAY RIGHT-OF-WAY PLAT NO. 17
(C.A.S.H. NO. 23) (OLD TRUNK HWY. NO. 8)



7910 LAKE DRIVE, LINO LAKES, MN 55014

C3A

MR. PAUL SELBITSCHKA PRECISION TUNE AUTOMOTIVE CENTER 550 LILAC STREET LINO LAKES, MN 55014 PHONE: 651-784-1100 LAKE AND LAND SURVEYING, INC. SURVEYING/CIVIL ENGINEERING 1200 CENTRE POINT, SUITE 375 ST. PAUL, MN 55120 PHONE (651) 776-6211 E-MAIL: JONPARACI@HOTMAIL.COM	Design by JF	Original date 8-30-2021	I certify that this survey, plan or report was prepared by me or under my direct supervision, and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota. Jonathan J. Faraci Date 8-30-2021 Minnesota Reg. No. 16464 Page title RESTRIPE TURN LANE Sheet number of
	Drawn by RP	Revisions 9-30-2021 SOIL BORINGS 11-24-21 12-27-21 1-20-22 2-21-22 2-21-22 2nd 3-8-22	
	Survey book No.		
	S.A.P. number 2021.375		

LAKE DRIVE (C.A.S.H. NO. 23)
(100 FT WIDE RIGHT-OF-WAY)

STORM SEWER MANHOLE COVER
RM=907.40
INVERT=903.31± RECORD
DRAWINGS (FIELD VERIFY)

BENCHMARK SANITARY MANHOLE COVER
ELEVATION=906.37 ASSUMED
INVERT ELEVATION=889.27

SITE NOTES

* BUILDING DIMENSIONS REFER TO OUTSIDE OF BUILDING FOUNDATION. VERIFY WITH BUILDING PLANS

INSTALL ENKAMAT AND RAIN GUARDIAN TURRET, TYPICAL
BROAD-CREST RECTANGULAR WEIR, SEE DETAIL
5.0 FT LONG BY 0.50 FT BREADTH

RETAINING WALLS
TOW MATCH EXISTING AND PROPOSED GRADES
BOW 905.00 AND MATCH PROPOSED GRADES

B6-12 CONCRETE CURB AND GUTTER, TYPICAL

237'-15" RCP @ 0.07%

DRAINAGE AND UTILITY EASEMENT

5 FT WIDE BY 0.5 FT DEEP
EMERGENCY OVER FLOW
ENKAMAT OVER FLOW
ALONG BOTTOM AND SIDES
WITH SEED. SLOPE SIDES AT
A 3:1 TO MATCH EXISTING
GRADES.

EMERGENCY OVER FLOW SWALE
X-SECTION A-A'
NOT TO SCALE

LEGEND

- ⊕ DENOTES EXISTING HYDRANT.
- ⊕ DENOTES PROPOSED HYDRANT.
- ⊕ DENOTES EXISTING SANITARY MANHOLE.
- ⊕ DENOTES PROPOSED SANITARY MANHOLE.
- ⊕ DENOTES EXISTING STORM (DRAINAGE) MANHOLE.
- ⊕ DENOTES PROPOSED STORM (DRAINAGE) MANHOLE.
- ⊕ DENOTES EXISTING GATE VALVE.
- ⊕ DENOTES PROPOSED GATE VALVE.
- ⊕ DENOTES EXISTING CATCH BASIN.
- ⊕ DENOTES PROPOSED CATCH BASIN.
- ⊕ DENOTES EXISTING TELEPHONE UTILITY BOX.
- ⊕ DENOTES EXISTING LIGHT POLE.
- ⊕ DENOTES EXISTING UTILITY POLE.
- ⊕ DENOTES EXISTING AIR CONDITIONING BOX.
- ⊕ DENOTES EXISTING ELECTRICAL BOX.
- ⊕ DENOTES EXISTING UNDERGROUND TELECOMMUNICATION LINE.
- ⊕ DENOTES EXISTING WATER MAIN.
- ⊕ DENOTES EXISTING SANITARY SEWER.
- ⊕ DENOTES EXISTING STORM SEWER.
- ⊕ DENOTES UNDERGROUND GAS LINE.
- ⊕ DENOTES UNDERGROUND ELECTRIC.
- ⊕ DENOTES OVERHEAD UTILITIES.
- ⊕ DENOTES CHAIN-LINK FENCE.
- ⊕ DENOTES EXISTING CONTOUR.
- ⊕ DENOTES PROPOSED CONTOUR.
- ⊕ DENOTES SILT FENCE AND/OR BIOROLLS.
- ⊕ DENOTES TREE PROTECTION FENCE.
- ⊕ DENOTES PROPOSED DRAINAGE.
- ⊕ DENOTES PROPOSED ELEVATION.
- ⊕ DENOTES EXISTING ELEVATION.
- ⊕ DENOTES CONCRETE SURFACE.
- ⊕ DENOTES INFILTRATION AREA.

- W DENOTES EXISTING WATER MAIN.
- SS DENOTES EXISTING SANITARY SEWER.
- STM DENOTES EXISTING STORM SEWER.
- UG DENOTES UNDERGROUND GAS LINE.
- UE DENOTES UNDERGROUND ELECTRIC.
- OHW DENOTES OVERHEAD UTILITIES.
- DENOTES CHAIN-LINK FENCE.
- XXX--- DENOTES EXISTING CONTOUR.
- XXX--- DENOTES PROPOSED CONTOUR.
- XXX--- DENOTES SILT FENCE AND/OR BIOROLLS.
- XXX--- DENOTES TREE PROTECTION FENCE.
- XXX--- DENOTES PROPOSED DRAINAGE.
- XXX--- DENOTES PROPOSED ELEVATION.
- XXX--- DENOTES EXISTING ELEVATION.
- XXX--- DENOTES CONCRETE SURFACE.
- XXX--- DENOTES INFILTRATION AREA.

TREE PROTECTION
SEE DETAIL

ANCHOR
⊕ 904.04

TRANSMISSION POWER POLE

DUPONT AVENUE
(33 FT WIDE RIGHT-OF-WAY)

INSTALL 40 FT LONG BY 6 FEET HIGH
FENCE ALONG PROPERTY LINE, SEE
ARCHITECT'S PLAN FOR DETAILS

DELA LANE
(40 FT WIDE RIGHT-OF-WAY)

PERC TEST 2
⊕ 904.24

HAND AUGER
⊕ 904.24

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

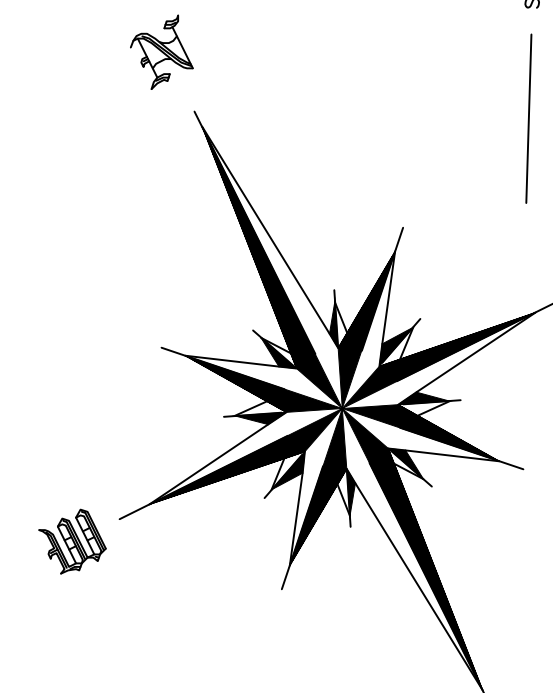
3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL

3:1 TYPICAL



GRAPHIC SCALE

(IN FEET)
1 inch = 10 ft.

PAVEMENT SECTION DETAIL

MATERIAL	SECTION THICKNESS
BITUMINOUS WEAR (TYPE 41)	1.5"
BITUMINOUS BASE (TYPE 31)	1.5"
CLASS 5 AGGREGATE BASE (MNDOT 3138)	8"

---XXX--- DENOTES TREE PROTECTION FENCE

MULCH
18 INCH SUBCUT AND BACKFILL TO FINISHED GRADE WITH PLANTING MEDIUM OF A WELL
BLENDED MIXTURE OF 40% SEMI-COURSE WASHED SAND OR NATIVE SAND, 30% MNDOT
GRADE 2 COMPOST AND 30% NATIVE TOPSOIL BY VOLUME. INSTALL A MULCH COVER
CONSISTING OF A SINGLE SHREDDED HARDWOOD MULCH 2 INCHES DEEP OVER RAIN
GARDEN PLANTING BED (TYPICAL). SEE LANDSCAPE PLAN FOR PLANTING DETAILS.

PLANTING MEDIUM
INFILTRATION AREA

DRAINAGE POND / INFILTRATION POND DETAIL

GRADING PLAN

7910 LAKE DRIVE, LINO LAKES, MN 55014

C4

Client:	MR. PAUL SELBITSCHKA PRECISION TUNE AUTOMOTIVE CENTER 550 LILAC STREET LINO LAKES, MN 55014 PHONE: 651-784-1100	Design by:	JF	Original date:	10-11-2021
Drawn by:	RP	Revisions:	11-2-21 11-24-21 12-27-21 1-20-22 2-21-22 5-8-22	Page title:	GRADING PLAN
Survey book No.		S.A.P. number:	2021.375	Sheet number:	of

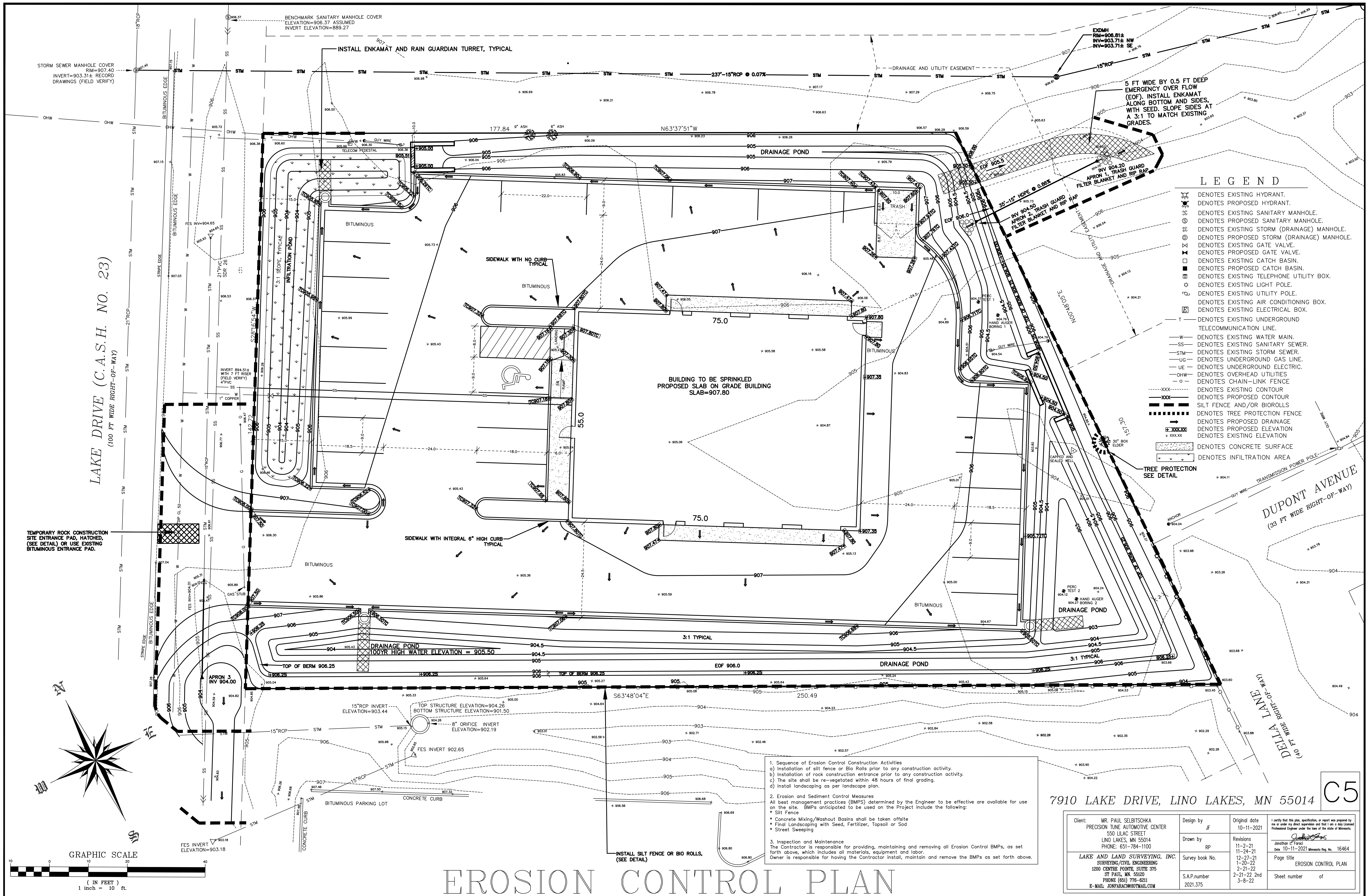
I certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.

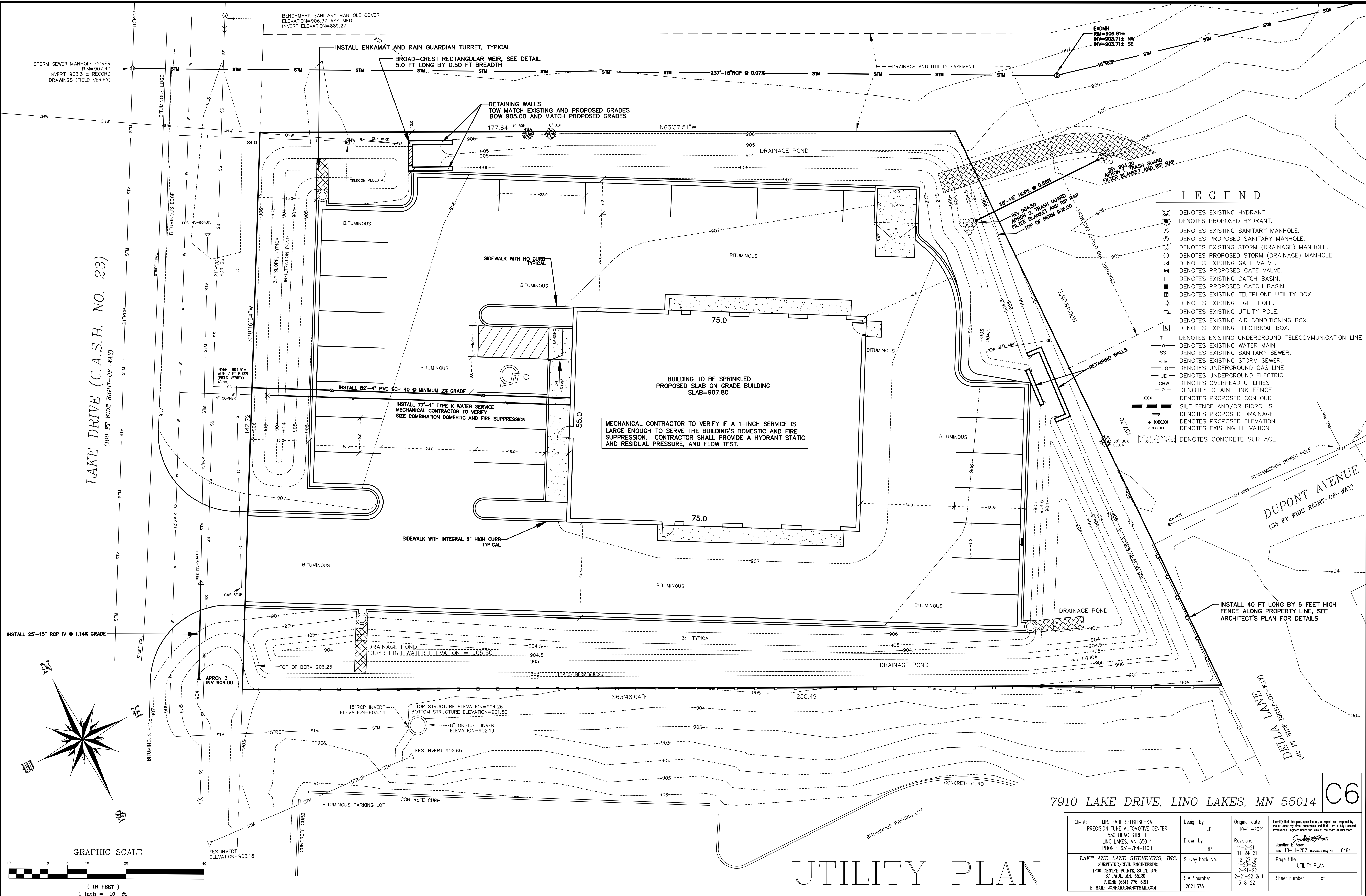
Jonathan L. Farver

Date: 10-11-2021 Minnesota Reg. No. 16464

Page title: GRADING PLAN

Sheet number: of





LEGEND

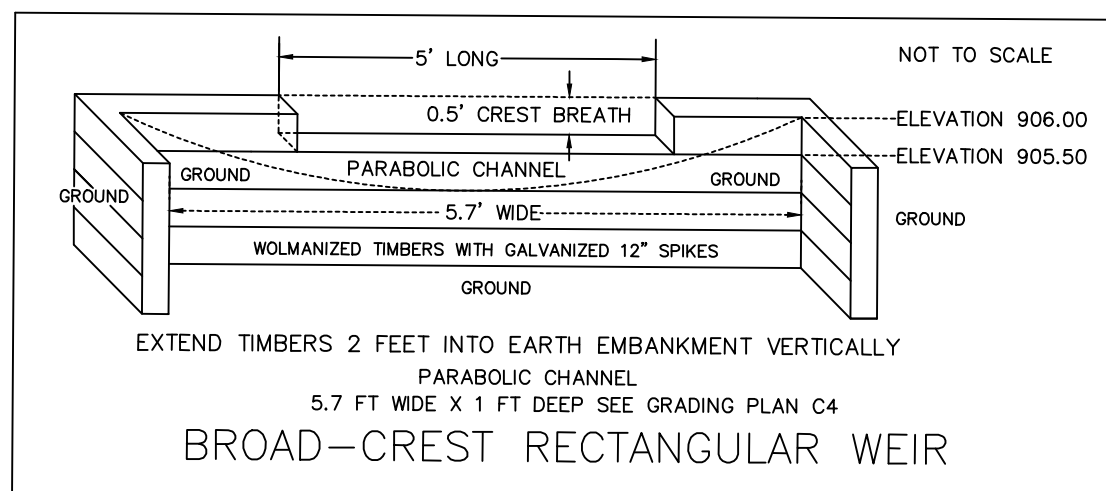
- DENOTES EXISTING HYDRANT.
- DENOTES PROPOSED HYDRANT.
- DENOTES EXISTING SANITARY MANHOLE.
- DENOTES PROPOSED SANITARY MANHOLE.
- DENOTES EXISTING STORM (DRAINAGE) MANHOLE.
- DENOTES PROPOSED STORM (DRAINAGE) MANHOLE.
- DENOTES EXISTING GATE VALVE.
- DENOTES PROPOSED GATE VALVE.
- DENOTES EXISTING CATCH BASIN.
- DENOTES PROPOSED CATCH BASIN.
- DENOTES EXISTING TELEPHONE UTILITY BOX.
- DENOTES EXISTING LIGHT POLE.
- DENOTES EXISTING UTILITY POLE.
- DENOTES EXISTING AIR CONDITIONING BOX.
- DENOTES EXISTING ELECTRICAL BOX.
- T — DENOTES EXISTING UNDERGROUND TELECOMMUNICATION LINE.
- W — DENOTES EXISTING WATER MAIN.
- SS — DENOTES EXISTING SANITARY SEWER.
- STM — DENOTES EXISTING STORM SEWER.
- G — DENOTES UNDERGROUND GAS LINE.
- UE — DENOTES UNDERGROUND ELECTRIC.
- OHW — DENOTES OVERHEAD UTILITIES.
- ○ — DENOTES CHAIN-LINK FENCE.
- XXX — DENOTES PROPOSED CONTOUR.
- XXX — DENOTES SILT FENCE AND/OR BIOROLLS.
- XXX — DENOTES PROPOSED DRAINAGE.
- XXX — DENOTES PROPOSED ELEVATION.
- XXX — DENOTES EXISTING ELEVATION.
- XXX — DENOTES CONCRETE SURFACE.

7910 LAKE DRIVE, LINO LAKES, MN 55014

Client: MR. PAUL SELBITSCHKA PRECISION TUNE AUTOMOTIVE CENTER 550 LILAC STREET LINO LAKES, MN 55014 PHONE: 651-784-1100	Design by	JF	Original date	10-11-2021
	Drawn by	RP	Revisions	11-2-21 11-24-21 12-27-21 1-20-22 2-21-22 5-8-22
	Survey book No.		S.A.P. number	2021.375
LAKE AND LAND SURVEYING, INC. SURVEYING/CIVIL ENGINEERING 1200 CENTRE POINT, SUITE 375 ST. PAUL, MN 55120 PHONE (651) 776-6211 E-MAIL: JONPARACT@HOTMAIL.COM	I 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.			
	Jonathan L. Farrel Date: 10-11-2021 Minnesota Reg. No. 16464			
Page title				UTILITY PLAN
Sheet number				of

- CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS (651-454-0002) 48 HOURS PRIOR TO EXCAVATION/CONSTRUCTION.
- CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM THE PLANS.
- THE SITE GRADING OPERATIONS, WHEN COMPLETED, SHALL RESULT IN ALL AREAS BEING GRADED TO "PLAN SUBGRADE ELEVATION". THIS "PLAN SUBGRADE ELEVATION" SHALL BE CONSISTENT WITH THE GEOTECHNICAL REPORT FOR BUILDING AND PAVEMENT AREAS. THE "PLAN SUBGRADE ELEVATION" IN THE PARKING LOT AND DRIVEWAY AREAS SHALL BE DETERMINED BY CHECKING THE PAVEMENT SECTION DETAILS AND REFERRING TO PAYING PLAN FOR LOCATIONS AND LIMITS OF VARIOUS PAVEMENT SECTIONS.
- ALL EROSION CONTROL MEASURES MUST BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING OPERATIONS AND BE MAINTAINED UNTIL ALL AREAS ALTERED ON THE SITE HAVE BEEN RESTORED.
- ALL CONSTRUCTION FRANCES SHALL BE SURFACED WITH CRUSHED ROCK AGAINST FULL WIDTH FROM ENTRANCE POINT TO 50 FEET INTO CONSTRUCTION ZONE. REFER TO DETAIL.
- CONTRACTOR SHALL STRIP, STOCKPILE AND RE-SPREAD SUFFICIENT TOPSOIL TO PROVIDE A MINIMUM 4 INCH DEPTH, (COMPACTED) TO ALL AREAS DISTURBED, TO BE SODED OR SEEDED WITHIN TWO WEEKS OF FINAL GRADING.
- ALL SLOPES STEEPER THAN 3:1 SHALL HAVE EROSION CONTROL FABRIC INSTALLED ON SLOPE. VERIFY RESTORATION METHOD AND SEED MIXTURE.
- ALL FLARED END SECTIONS SHALL HAVE TRASHGUARDS
- ALL TOPSOIL/VEGETATION TO BE STOCKPILED AND USED FOR TOPSOIL IN PLANTING AREAS AND NON-STRUCTURAL FILL AREAS
- THE CONTRACTOR MUST MAINTAIN THE EROSION CONTROL TO THE SATISFACTION OF THE CITY ENGINEER AND RICE CREEK WATERSHED THROUGHOUT THE ENTIRE BUILDING PROCESS.
- ALL EROSION CONTROL SYSTEMS MUST BE MAINTAINED BY THE CONTRACTOR IN AN OPEN AND ACCESSIBLE CONDITION UNTIL TURF IS ESTABLISHED AND/OR STRUCTURAL SURFACES ARE CONSTRUCTED TO PROTECT THE SOIL FROM EROSION.
- ALL SITE GRADING AND EXCAVATION SHALL BE COMPACTED AS PER THE GEOTECHNICAL ENGINEER'S REPORT. BUILDING PADS, PARKING LOTS AND DRIVEWAYS TO BE CONSTRUCTED AS PER THE GEOTECHNICAL ENGINEER'S REPORT.
- ALL TREES TO BE SAVED SHALL BE FENCED OFF AT THE DRIP LINE PRIOR TO SITE GRADING AND EXCAVATION.
- ALL SITE GRADING SHALL FOLLOW THE CITY OF LINCOLN LAKES, ANOKA COUNTY HIGHWAY ENGINEER AND RICE CREEK WATERSHED PERMIT REQUIREMENTS.
- DRIVEWAY ENTRANCE, DITCH GRADING, DRIVEWAY CULVERT EXTENSION AND STORM SEWER PIPE NEEDS ANOKA COUNTY HIGHWAY PERMIT TO WORK IN THE RIGHT-OF-WAY.

- CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS (612-454-0002) 48 HOURS PRIOR TO EXCAVATION/CONSTRUCTION.
- DRIVEWAY ENTRANCE, DITCH GRADING, DRIVEWAY CULVERT EXTENSION AND STORM SEWER PIPE WITH DRAINAGE MANHOLE NEEDS ANOKA COUNTY HIGHWAY PERMIT TO WORK IN THE RIGHT-OF-WAY.



- 1) CITY OF LINO LAKES ZONING PERMIT FOR GRADING
- 2) RICE CREEK WATERSHED PERMIT
- 3) ANOKA COUNTY RIGHT-OF-WAY PERMIT
- 4) ANOKA COUNTY ACCESS PERMIT



PRETREATMENT FOR SEWERS

Rain Gardens • Swales • Filtration Basins • Infiltration Basins

Maximize Capacity & Extend Effective Life

- Grate/filter/chamber combination captures sediment and debris
- Overflow paths prevent inlet debris from causing bypass before bioentrainment reaches capacity

"A Rain Guardian is as much for any roomy garden as..."
- Steve M.
St. Paul, MN

Simplify Maintenance

- Sediment and debris removed from chamber with shovel
- Drop-in filter cleaned with broom or hose

"The Rain Guardians provide very effective pretreatment along with efficient, simplified maintenance."
- Noah Czech,
City of St. Cloud, MN

Easy Installation

- Placement and securing take only minutes
- Drop-in filter cleaned with broom or hose

"We are using, with just a 0.5" rain event, exactly Rain Guardian captured two 5 gallon buckets full of sediment. Maintenance is simple and can be accomplished in only minutes."
- Brian Sawicki,
Weight SWCD

Rain Guardian—Turret

Standard exterior dimensions:

44" x 49" base, 19.5" total height

Turret prices:

Pedestrian rated—\$1500

Light traffic rated (2,456 lb. wheel load)—\$1750

Galvanized steel grate (2-piece)

Anodized aluminum filter frame and fiberglass filter grid

Steel reinforced muscadine concrete riser and base (1,200 lbs.)

Manufactured by **Cretex**
Concrete Products

Rain Guardian—Bunker

Standard exterior dimensions:

50"L x 25.5"W x 15.5"H

Bunker price:

Pedestrian rated—\$850

Galvanized steel grate (1-piece)

Anodized aluminum filter frame and fiberglass filter grid

Pre-assembled composite chamber (50 lbs.)

*Freight, shipping and handling additional and prices subject to change based on material, cost and availability.

www.RainGuardian.biz

1316 McKay Dr. NE, Suite 300
Rain Lake, MN 55389
Phone: 612-209-8441 Fax: 612-209-4300

STREET SWEEPING - REGULAR, IF NOT DAILY, SWEEPING AND CLEANING OF STREETS WILL BE REQUIRED IF TRACTED UP BY CONSTRUCTION ACTIVITY.

NOTES & DETAILS

7910 LAKE DRIVE, LINO LAKES, MN 55014

C7

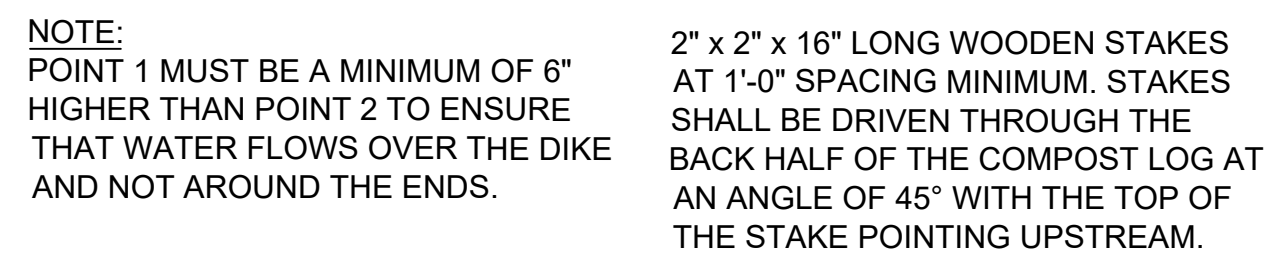
Client: MR. PAUL SELBITSCHKA PRECISION TUNE AUTOMOTIVE CENTER 550 ULAC STREET LINO LAKES, MN 55014 PHONE: 651-784-1100	Design by JF Drawn by RP	Original date 10-11-2021 Revisions 11-24-2021 12-27-2021 1-20-2022 2-21-2022 3-8-22	I certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the state of Minnesota.  Jonathan L. Faraci Date 10-11-2021 Minnesota Reg. No. 16464
LAKE AND LAND SURVEYING, INC. SURVEYING/CIVIL ENGINEERING 1200 CENTRE POINT, SUITE 375 ST PAUL, MN. 55120 PHONE (651) 776-6211 E-MAIL: JONFARACI@PWCORP.COM	Survey book No. 0-018-78	S.A.P. number 2021.375	Page title DETAILS Sheet number of



5. ALL MATERIAL & INSTALLATION MUST CONFORM TO THE REQUIREMENTS OF THE CURRENT EDITION OF THE MNDOT CONSTRUCTION SPECIFICATIONS SECTION 3889.

3. SEDIMENT DEPOSITS MUST BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY 1/2 HEIGHT OF THE BARRIER, OR AS DIRECTED BY THE ENGINEER.

4. ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE FENCE OR FILTER BARRIER IS NO LONGER REQUIRED, SHALL BE DRESSED TO CONFORM WITH THE EXISTING GRADE, PREPARED AND SEEDED.



POINT 1 MUST BE A MINIMUM OF 6"
HIGHER THAN POINT 2 TO ENSURE
THAT WATER FLOWS OVER THE DIKE
AND NOT AROUND THE ENDS.

2" x 2" x 16" LONG WOODEN STAKES AT 1'-0" SPACING MINIMUM. STAKES SHALL BE DRIVEN THROUGH THE BACK HALF OF THE COMPOST LOG AT AN ANGLE OF 45° WITH THE TOP OF THE STAKE POINTING UPSTREAM.

NOTE: REQUIREMENTS FOR RIPRAP SIZE, THICKNESS, WILL BE DESIGNATED IN PLANS.

- ① FOR PIPES GREATER THAN OR EQUAL TO 48", USE 2.0'
- ② THE FABRIC SHOULD COVER THE AREA OF THE RIPRAP AND EXTEND UNDER THE CULVERT APRON 3 FEET.
- ③ GROUT REQUIRED ON 21" & GREATER DIA. PIPE OR AS DIRECTED BY ENGINEER; SEE DETAIL SD-10



1. ENTIRE TRASH GUARD ASSEMBLY TO BE HOT-DIP GALVANIZED AFTER FABRICATION.
2. SIZE OF TRASH GUARD VARIABLE DEPENDENT ON SIZE OF FLARED END SECTION.
3. PLACE TRASH GUARDS ON APRONS 18" AND LARGER, UNLESS OTHERWISE NOTED.

UNE 201

GEN-1



DECEMBER 2020

GEN-28



1. Tree protection fence shall be installed prior to any other construction activity taking place on site and shall not be removed until construction is complete.
2. Fence shall be placed a minimum of 1 foot per caliper inch DBH (diameter at breast height, measured at 4.5' above grade) away from trunk of tree to be saved.
3. Groups of trees may share a tree protection fence, provided the distances in note #1 can be maintained, and as approved by the City Forester.
4. Fence shall be 48" orange safety fence, anchored with 6" metal t-posts or 2" by 2" wooden stakes placed a maximum of 10' apart. Substitutions in materials must be approved by City Forester.
5. No grading, storage, parking, or any other vehicular traffic or construction activity shall occur within protection fence, including during fence installation and removal.
6. If there are incursions into the tree protection zone, the trees may be deemed damaged by the City Forester. These trees may have to be mitigated by planting of additional trees.



DECEMBER 2020

GEN-27

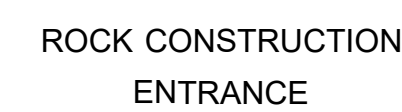


MAY 2011

GEN-1



1. SILT FENCE SHALL CONFORM TO
MNDOT 3886, (GTF 100 OR EQUAL)
2. FENCING SHALL BE PLACED ALONG CONTOURS
OR AS DIRECTED BY ENGINEER.



LINE 201

GEN-1

C8

Client: MR. PAUL SELBITSCHKA PRECISION TUNE AUTOMOTIVE CENTER 150 LILAC STREET LINDO LAKES, MN 55014 PHONE: 651-784-1100	Design by JF Drawn by RP	Original date 3-8-2022 Revisions	I 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.  Jonathan L. Foraci Date 3-8-2022 Minnesota Reg. No. 16464
LAKE AND LAND SURVEYING, INC. SURVEYING/CIVIL ENGINEERING 1200 CENTRE POINT, SUITE 375 ST PAUL, MN 55120 PHONE (651) 796-6261 E-MAIL: JON@LAKELANDSURV.COM	Survey book No. 0157.76 S.A.P. number 2021.375		Page title DETAILS Sheet number of