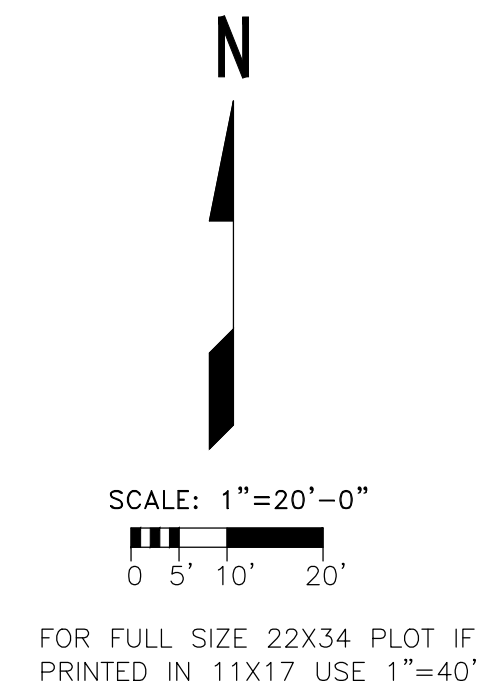
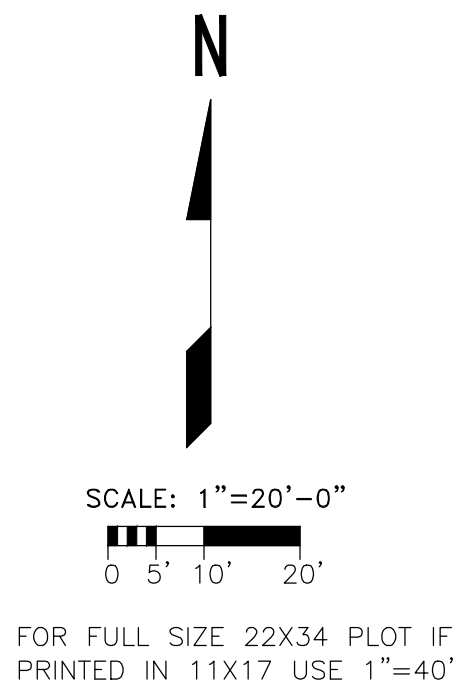
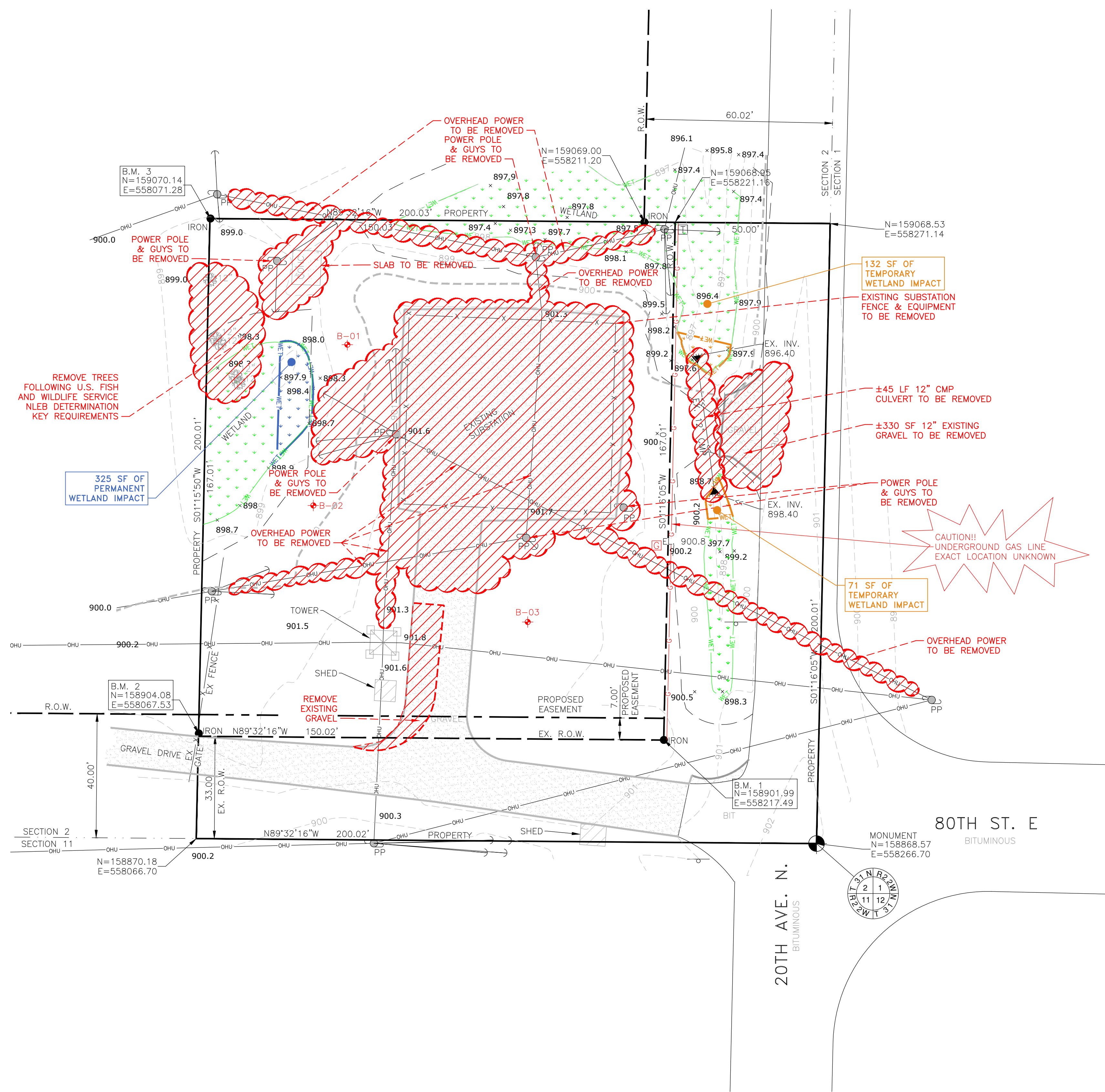


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05/16/2023

APPROVED FOR CONSTRUCTION



TOTAL PERMANENT
WETLAND IMPACT
325 S.F.

TOTAL TEMPORARY
WETLAND IMPACT
203 S.F.

REFERENCE DRAWINGS:

FOUNDATION PLAN	SA06-05D, SH. 1
PLOT PLAN	SA06-10D, SH. 1
SITE PLAN	SA06-40D, SH. 1
EXISTING CONDITIONS & REMOVALS	SA06-40D, SH. 2
GRADING PLAN	SA06-40D, SH. 3
GRADING DETAILS	SA06-40D, SH. 4
EROSION CONTROL PLAN	SA06-40D, SH. 5
EROSION CONTROL DETAILS	SA06-40D, SH. 6
LIGHTING PLAN	SA06-40D, SH. 7
LANDSCAPE PLAN	SA06-40D, SH. 8
COORDINATE PLAN	SA06-40D, SH. 9

ISSUED FOR
CONSTRUCTION
05/16/2023

HORIZONTAL CONTROL

ANOKAMN-F
MINNESOTA DOT: ANOKA COUNTY, US FOOT

VERTICAL CONTROL

NAVD 88

BENCHMARKS

B.M. 1 EL. 901.15
N=158901.99
E=558217.49
SE PROPERTY, R.O.W. IRON

B.M. 2 EL. 900.73
N=158904.08
E=558067.53
SW PROPERTY, R.O.W. IRON

B.M. 3 EL. 898.07
N=159070.14
E=558071.28
NW PROPERTY CORNER IRON

NOTES

1. SITE HORIZONTAL CONTROL IS IN FEET.
2. CONTOURS ARE SHOWN IN 1 FOOT INTERVALS.
3. TOTAL WETLAND IMPACT: 528 SF

LEGEND

	PROPERTY LINE
	PROPERTY IRON
	R.O.W. LINE
	ROADWAY EASEMENT LINE
	EDGE OF WETLAND
	EXISTING WETLAND AREA
	PERMANENT WETLAND IMPACT
	TEMPORARY WETLAND IMPACT
	AND EXCAVATED WETLAND TYPE 1
	WETLAND BUFFER 10 FEET
	EXISTING FENCE
	EXISTING POWER POLE AND GUY WIRE
	EXISTING OVERHEAD POWER
	EXISTING GAS LINE (APPROX)
	EXISTING GAS PEDESTAL
	EXISTING TREE
	EXISTING TELEPHONE PEDESTAL
	EXISTING BITUMINOUS EDGE
	EXISTING GRAVEL EDGE
	EXISTING GRAVEL AREA
	EXISTING CONTOUR
	SOIL BORING LOCATION
	EXISTING SPOT ELEVATION

SITE LOCATION
8001 20TH AVE.
LINO LAKES, MN 55038



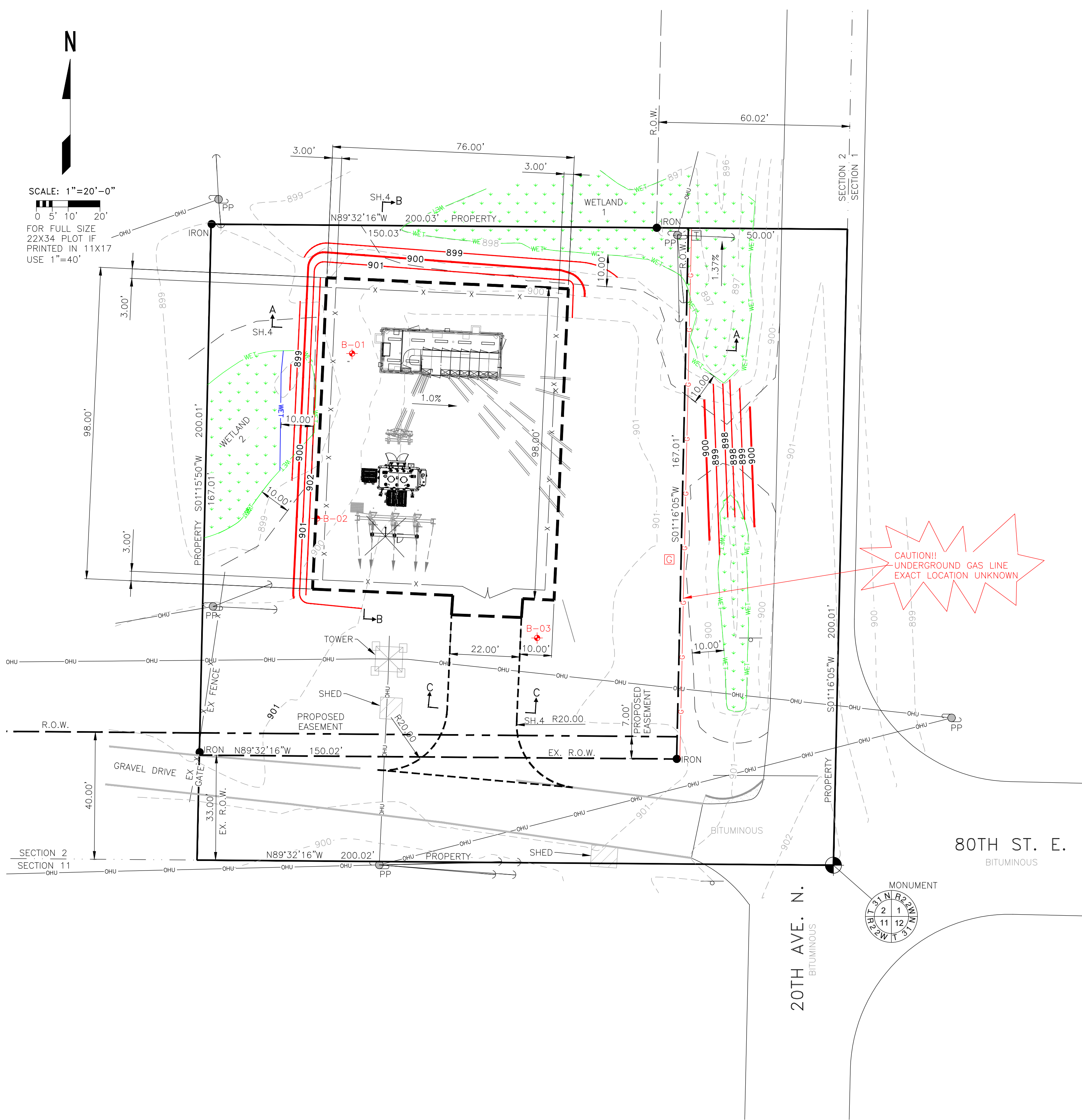
GOPHER STATE
ONE CALL

800/252-1166

*COOPERATIVE DRAWING MAINTAINED & HOUSED BY GREAT RIVER ENERGY

						REV APPD BY	CONNEXUS ENERGY			
						REVISION	EXISTING CONDITIONS & REMOVALS PLAN			
						DATE	HUGO SUBSTATION SA06	DATE: 05-16-23 SCALE: 1"=20' DWN BY: CJK CKD BY: EKD APPD BY: MEV	PROJECT NO 208969	REVISION 0
					REV			DRAWING NUMBER SA06-40D		
					DATE					
					REV NO					
6	5	4	3	2	1					

APPROVED FOR CONSTRUCTION



HORIZONTAL CONTROL

ANOKAMN-F
MINNESOTA DOT: ANOKA COUNTY, US FOOT

VERTICAL CONTROL

NAVD 88

BENCHMARKS

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NW PROPERTY CORNER IRON

NOTES

1. SITE HORIZONTAL CONTROL IS IN FEET.
2. CONTOURS ARE SHOWN IN 1 FOOT INTERVALS.
3. ALL SLOPES 3H:1V MAXIMUM UNLESS NOTED.
4. FOR GEOTECHNICAL REPORT, SEE SH. 4 CONSTRUCTION NOTE 1.
5. FINISHED GRADE (F.G.) IS TOP OF CLASS V BASE ROCK.
6. FOR GEOMETRICS, SEE COORDINATE PLAN, SH. 9.

LEGEND

- PROPERTY LINE
- IRON
- PROPERTY IRON
- R.O.W. LINE
- ROADWAY EASEMENT LINE
- EXISTING EDGE OF WETLAND
- PROPOSED WETLAND EDGE
- EXISTING WETLAND AREA
- WETLAND BUFFER 10 FEET
- EXISTING FENCE
- EXISTING POWER POLE AND GUY WIRE
- EXISTING OVERHEAD POWER
- EXISTING GAS LINE (APPROX)
- EXISTING GAS PEDESTAL
- EXISTING TREE
- EXISTING TELEPHONE PEDESTAL
- EXISTING BITUMINOUS EDGE
- EXISTING GRAVEL EDGE
- EXISTING GRAVEL AREA
- SOIL BORING LOCATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SUBSTATION CLASS V BASE
- PROPOSED DRIVEWAY EDGE
- PROPOSED FENCE
- PROPOSED STORM PIPE
- PROPOSED DRAIN TILE & CLEANOUT

REFERENCE DRAWINGS:

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PLOT PLAN	SA06-10D, SH. 1
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LANDSCAPE PLAN	SA06-40D, SH. 8
COORDINATE PLAN	SA06-40D, SH. 9

SITE LOCATION
8001 20TH AVE.
LINO LAKES, MN 55038



GOPHER STATE
ONE CALL
800/252-1166

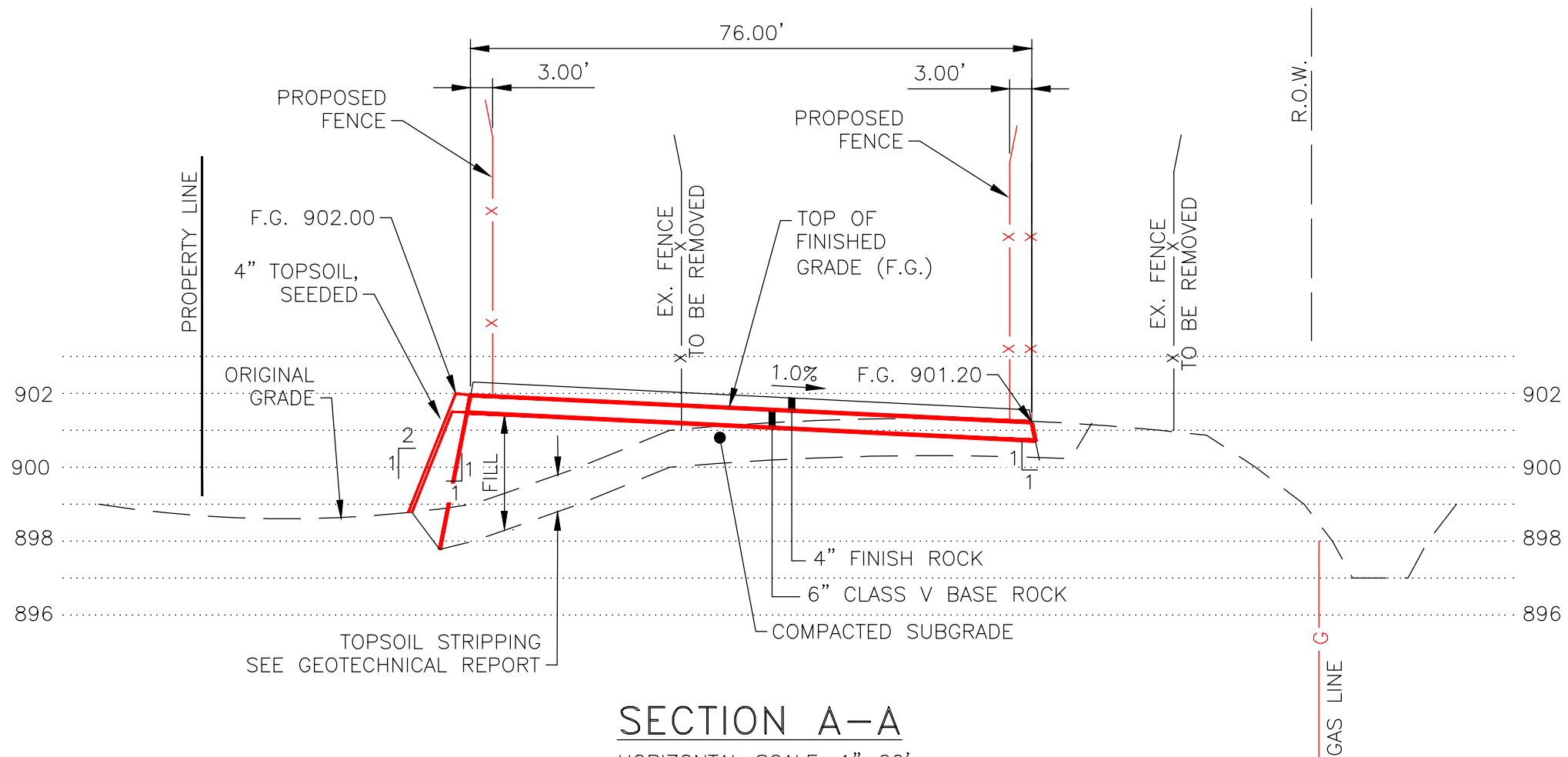
*COOPERATIVE DRAWING MAINTAINED & HOUSED BY GREAT RIVER ENERGY

						REV APPD BY	CONNEXUS ENERGY			
						REVISION	GRADING PLAN			
						HUGO SUBSTATION	DATE: 05-16-23	PROJECT NO	REVISION	
							SCALE: 1"=20'	208969	0	
							DWN BY: CJK	DRAWING NUMBER		
							CKD BY: EKD	SA06-40D		
						SA06	CKD BY:			
							APPD BY: MEV	SHEET 3		
6	5	4	3	2	1	REV DATE				
						REV NO				

ISSUED FOR
CONSTRUCTION

05/16/2023

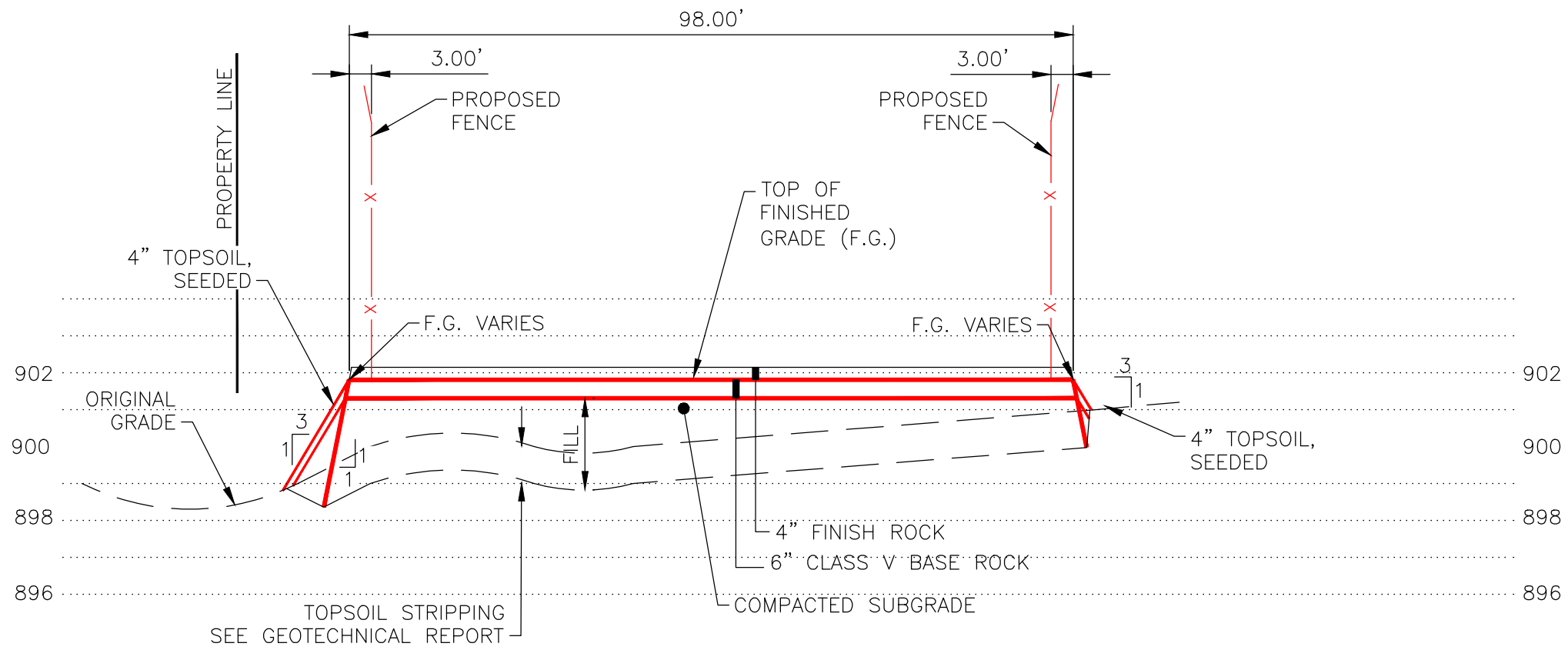
APPROVED FOR CONSTRUCTION



SECTION A-A

HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

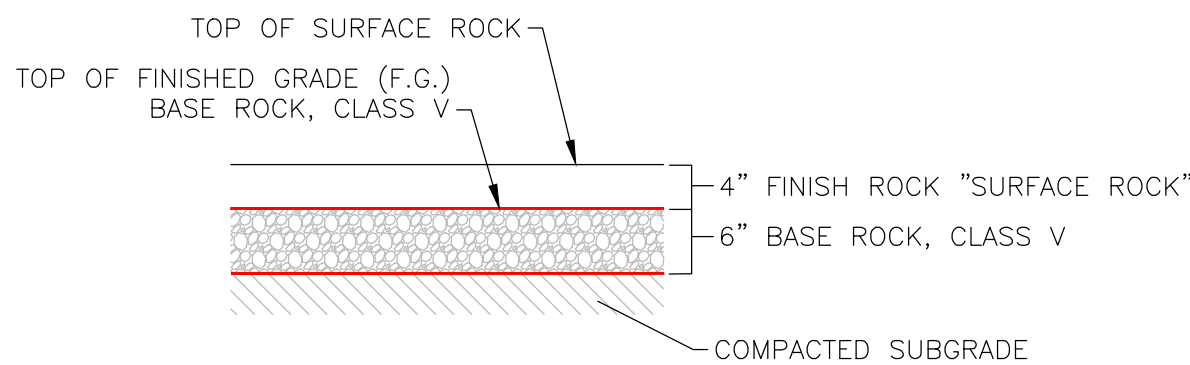
FOR FULL SEZ 22X34 PLOT.
IF PRINTED 11X17 USE:
HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=8'



SECTION B-B

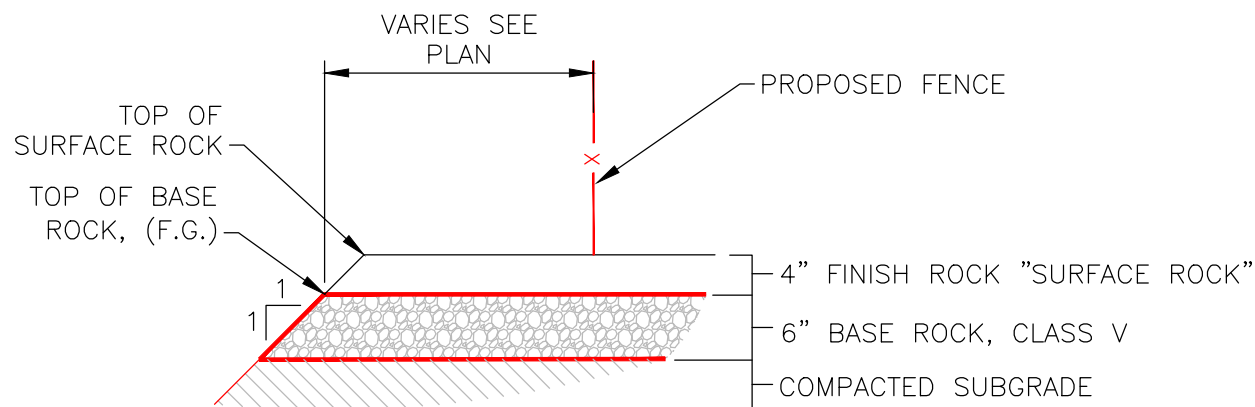
HORIZONTAL SCALE: 1"=20'
VERTICAL SCALE: 1"=4'

FOR FULL SEZ 22X34 PLOT.
IF PRINTED 11X17 USE:
HORIZONTAL SCALE: 1"=40'
VERTICAL SCALE: 1"=8'



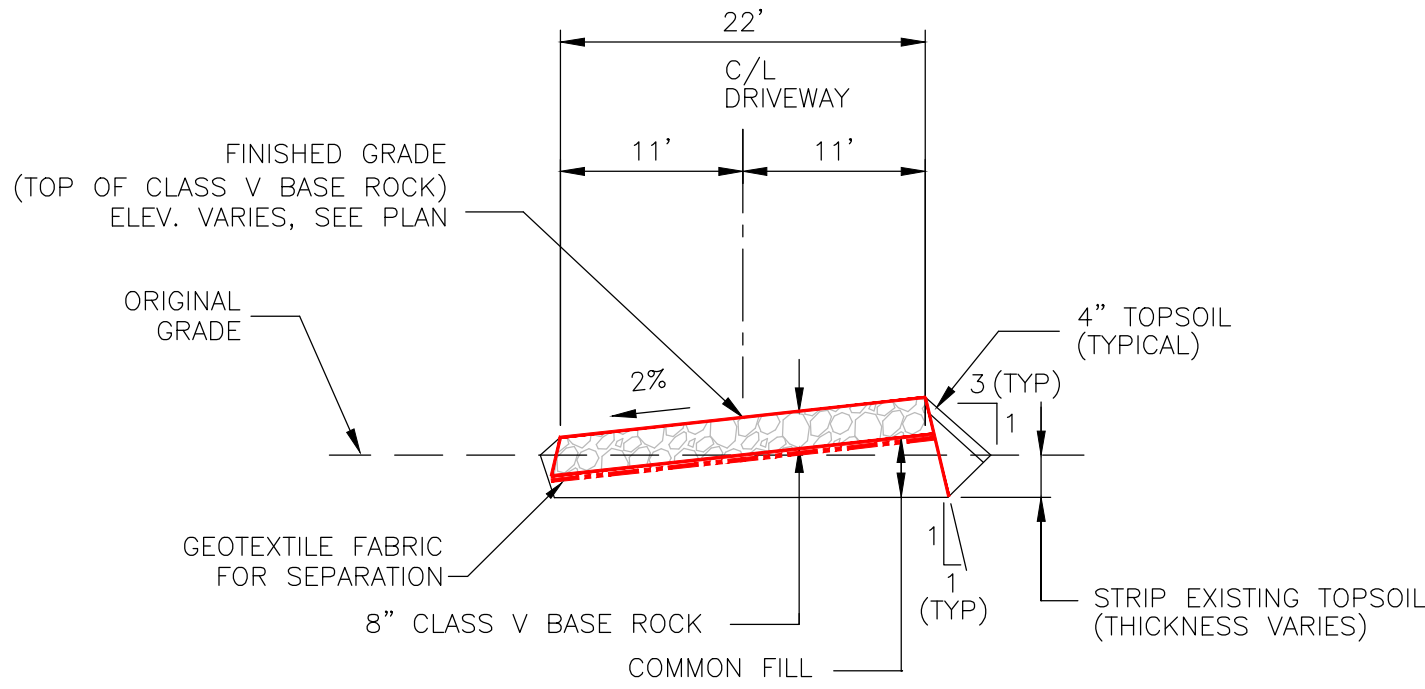
TYPICAL SUBSTATION SURFACING

SCALE: NONE



TYPICAL SUBSTATION EDGE

SCALE: NONE



SECTION C-C

TYPICAL THRU DRIVEWAY
SCALE: NONE

ISSUED FOR
CONSTRUCTION

05/16/2023

GENERAL NOTES

1. STRIPPING MATERIAL TO BE USED FOR DRESSING OF SIDE SLOPES.
2. LOCATION AND STAKING OF THE SITE WITHIN THE PROPERTY LINES WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. ALL SLOPES 3:1 MAXIMUM UNLESS NOTED.
4. STERILANT SHALL BE APPLIED TO WEEDS AND VEGETATION WITHIN BASE ROCK AREA PRIOR TO PLACEMENT OF SURFACE ROCK.
5. EXCESS MATERIAL SHALL BE SPREAD EVENLY IN AREAS AS DIRECTED IN THE PLAN DRAWING OR HAULED OFF AND DISPOSED OF OFF SITE.
6. ELEVATIONS INDICATED IN SUBSTATION GRADED AREA ARE **FINISHED GRADE (F.G.)**. FINISHED GRADE IS TOP OF BASE ROCK.
7. CONTOURS OUTSIDE OF THE SUBSTATION GRADED AREA INDICATE THE TOP OF FINISHED TOPSOIL OR TOP OF DRIVEWAY BASE ROCK.
8. **SURFACE GRADE** IN SUBSTATION AREA IS 4" HIGHER THAN **FINISHED GRADE** ELEVATION. SURFACE GRADE CONSISTS OF 4" OF SURFACING ROCK MATERIAL.

CONSTRUCTION NOTES

1. THE SITE TOPSOIL SHALL BE STRIPPED OF VEGETATION TO A DEPTH OF 6 INCHES OR TO SUCH GREATER DEPTH AS MAY BE NECESSARY TO REMOVE ROOTS AND OTHER ORGANIC MATTER.
(SEE **GEOTECHNICAL EXPLORATION REPORT**, LINO LAKES SUB-STATION, 8001 20TH AVE. N., RAMSEY, MN, DATED OCTOBER 10, 2022 BY CHOSEN VALLEY TESTING (CVT).
NOTE: THIS SUBSTATION IS IN LINO LAKES.
2. THE GRADING CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSAL OF ALL DEBRIS, INCLUDING TREE STUMPS, BRUSH, ROOTS, AND SOD STRIPPING RESULTING FROM SITE PREPARATION OPERATIONS. TREE TOPS ABOVE STUMPS TO BE REMOVED BY OTHERS.
3. PRIOR TO PLACEMENT OF FILL, THE SUBGRADE SHALL BE PROOF-ROLLED WITH A FULLY LOADED TANDEM-AXLE DUMP TRUCK WITH A MINIMUM GROSS WEIGHT OF 25 TONS. UNSUITABLE AREAS OBSERVED SHALL BE IMPROVED BY COMPACTION OR BE REPLACEMENT WITH SUITABLE COMPACTED FILL MATERIAL.
4. AFTER COMPLETION OF STRIPPING, EXCAVATING, AND ALL SUBGRADE SURFACES IN THE AREA, THE CONTRACTOR SHALL OBTAIN APPROVAL OF THE SUBGRADE BY THE OWNER, PRIOR TO FURTHER CONSTRUCTION. ANY UNKNOWN WATER CONDITIONS OR SOIL CONSIDERED TO BE WEAK AND SUBJECT TO SIGNIFICANT DISPLACEMENT UNDER NORMAL EQUIPMENT WHEEL APPLICATION SHALL REQUIRE THE OWNER'S ENGINEER TO BE CONTACTED. UPON DISCOVERY OF ANY UNKNOWN WATER CONDITIONS OR WEAK SUBGRADE MATERIALS, THE ENGINEER MAY ORDER ADDITIONAL SUBCUTS OR GEOTEXTILE TREATMENT. THE CONTRACTOR SHALL PERFORM AND INSTALL THESE CHANGES AS DIRECTED BY THE OWNER. ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF BY THE CONTRACTOR WITHOUT LIABILITY ON THE PART OF THE OWNER.
5. **COMMON FILL** SHALL CONSIST OF APPROVED MATERIAL WHICH IS FREE OF ORGANIC MATTER AND DEBRIS. SPREAD TEMPORARILY EXCAVATED MATERIAL IF TOO WET FOR PLACING UNTIL MOISTURE CONTENT IS ACCEPTABLE.
6. **SELECT FILL** SHALL CONSIST OF A GRANULAR MATERIAL WHICH CONTAINS LESS THAN 8% PASSING #200 SIEVE AND LESS THAN 40% PASSING THE #40 SIEVE. MATERIAL OF THIS TYPE IS LOW IN FROST SUSCEPTIBILITY AND IS RELATIVELY FREE DRAINING.
7. FILLS AND EMBANKMENTS SHALL BE CONSTRUCTED IN UNIFORM LIFTS OR LAYERS NOT EXCEEDING 9 INCHES OF LOOSE FILL AND LAID PARALLEL TO THE FINISHED SURFACE.
8. COMPACT FILL MATERIAL IN LIFTS NOT EXCEEDING 9 INCHES UNCOMPACTED THICKNESS TO 98% OF STANDARD PROCTOR DENSITY (ASTM D698). MAINTAIN MOISTURE CONTENT WITHIN PLUS OR MINUS 2% OF THE OPTIMUM DETERMINED FOR MAXIMUM DENSITY. DO NOT PLACE, SPREAD, OR COMPACT FILL MATERIAL DURING WET OR UNFAVORABLE WEATHER CONDITIONS. WET GRANULAR MATERIALS THOROUGHLY DURING OR IMMEDIATELY PRIOR TO COMPACTION.
9. FINISH FILL, EXCAVATED AND OTHER DISTURBED AREAS TO UNIFORM GRADE AND SECTION NORMALLY OBTAINABLE WITH A BLADE GRADER FINISH GRADE TO A NEAT APPEARANCE AND PROVIDE POSITIVE DRAINAGE. ALLOWABLE TEMPLATE TOLERANCE: ± 0.10 FT.
10. THE GRADING CONTRACTOR SHALL INSTALL THE ACCESS DRIVE AS SOON AS GRADING IS COMPLETED. DRIVE SURFACE SHALL BE SLOPED TO PROVIDE POSITIVE DRAINAGE AWAY FROM THE SUBSTATION SITE. ACCESS DRIVE SURFACING SHALL BE COMPACTED WITH VIBRATING ROLLER.

BASE ROCK CLASS V

1. MNDOT CLASS V BASE ROCK.
2. MNDOT 313S, TABLE 3138-1 (VIRGIN MATERIAL). NO RECYCLED MATERIAL.

FINISH ROCK "SURFACE ROCK"

1. FINISH ROCK SURFACING SHALL BE A MINIMUM OF 4 INCHES DEEP. SEE GRE SPECIFICATION.
2. FINISH ROCK SURFACING SHALL BE INSTALLED BY THE CONTRACTOR AFTER INSTALLATION OF FOUNDATIONS, GROUNDING, CONDUIT AND FENCE IS COMPLETE.

SEEDING

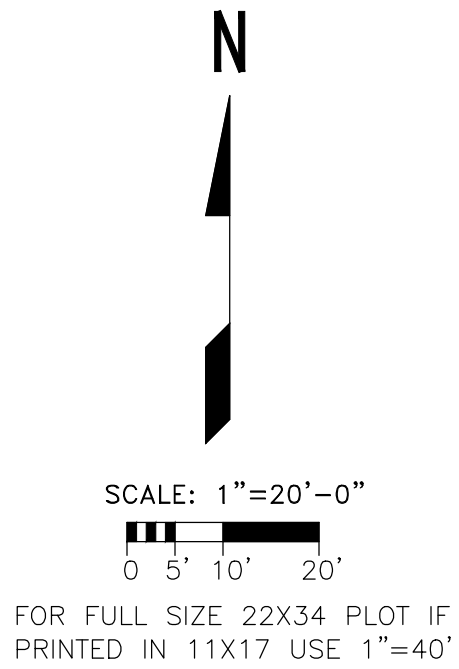
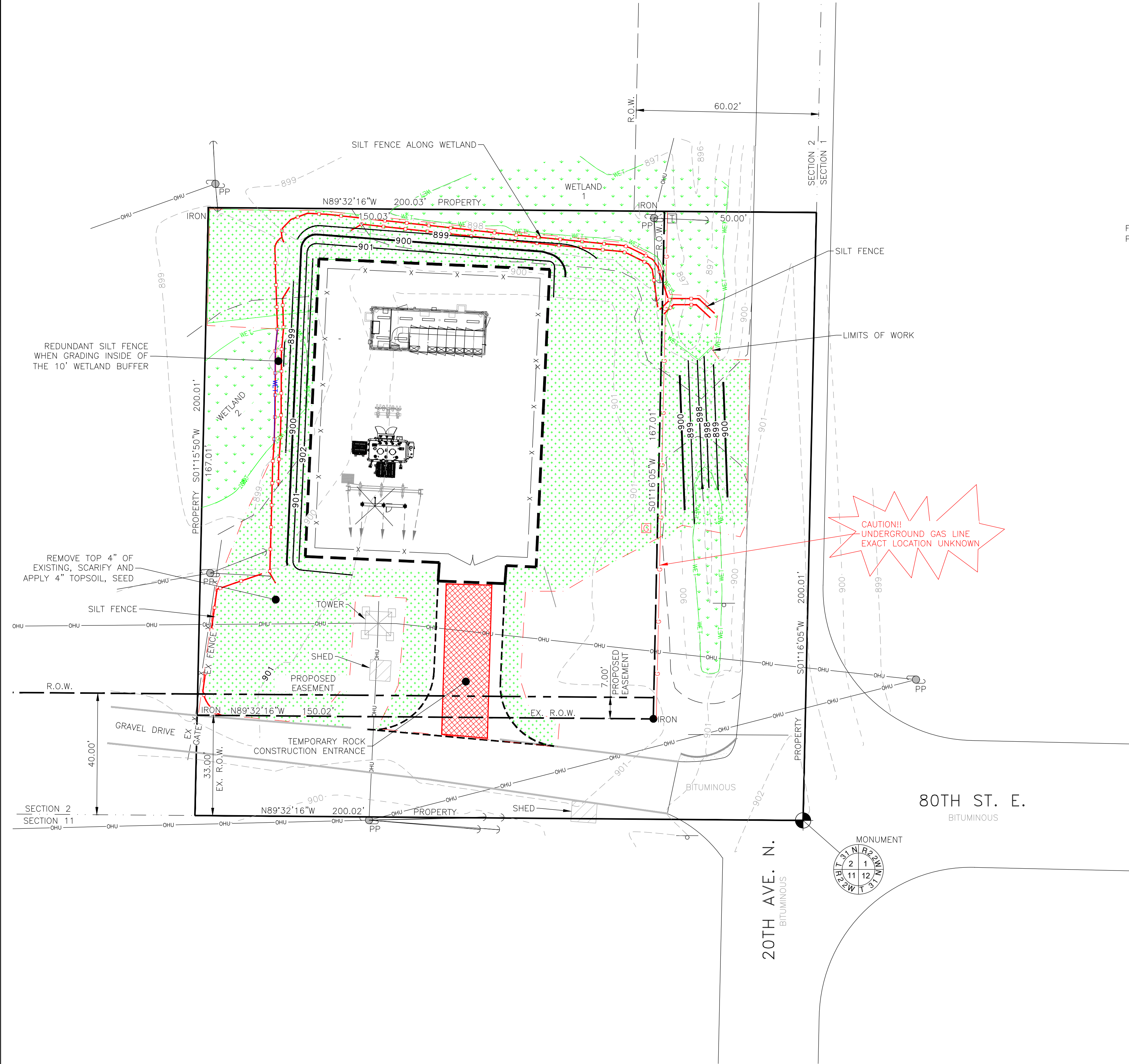
SEED MIXTURE SHALL BE MNDOT 35-221 AND APPLIED AT A RATE OF 36.5 LBS/ACRE.

REFERENCE DRAWINGS:

FOUNDATION PLAN	SA06-05D, SH. 1
PLOT PLAN	SA06-10D, SH. 1
SITE PLAN	SA06-40D, SH. 1
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EROSION CONTROL DETAILS	SA06-40D, SH. 6
LIGHTING PLAN	SA06-40D, SH. 7
LANDSCAPE PLAN	SA06-40D, SH. 8
COORDINATE PLAN	SA06-40D, SH. 9

*COOPERATIVE DRAWING MAINTAINED & HOUSED BY GREAT RIVER ENERGY											
							REV	APPD	CONNEXUS ENERGY		
							BY	BY			
							REVISION	GRADING DETAILS			
								HUGO	DATE: 05-16-23	PROJECT NO	REVISION
								SUBSTATION	SCALE: NONE	208969	0
									DWN BY: CJK	DRAWING NUMBER	
									CKD BY: EKD	SA06-40D	
									CKD BY:		
								SA06	APPD BY: MEV	SHEET 4	

APPROVED FOR CONSTRUCTION



NOTES

1. SITE HORIZONTAL CONTROL IS IN FEET.
2. CONTOURS ARE SHOWN IN 1 FOOT INTERVALS.
3. ALL SLOPES 3H:1V MAXIMUM UNLESS NOTED.
4. FOR GEOTECHNICAL REPORT, SEE SH. 4 CONSTRUCTION NOTE 1.

HORIZONTAL CONTROL

ANOKAMN-F
MINNESOTA DOT: ANOKA COUNTY, US FOOT

VERTICAL CONTROL

NAVD 88

BENCHMARKS

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SW PROPERTY, R.O.W. IRON

B.M. 3 EL. 898.07
N=159070.14
E=558071.28
NW PROPERTY CORNER IRON

LEGEND

- PROPERTY LINE
- IRON
- PROPERTY IRON
- R.O.W. LINE
- EDGE OF WETLAND
- EXISTING WETLAND AREA
- WETLAND BUFFER 10 FEET
- EXISTING FENCE
- EXISTING POWER POLE AND GUY WIRE
- EXISTING OVERHEAD POWER
- EXISTING GAS LINE (APPROX)
- EXISTING GAS PEDESTAL
- EXISTING TREE
- EXISTING TELEPHONE PEDESTAL
- EXISTING BITUMINOUS EDGE
- EXISTING GRAVEL EDGE
- EXISTING GRAVEL AREA
- SOIL BORING LOCATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SUBSTATION CLASS V BASE
- PROPOSED DRIVEWAY EDGE
- PROPOSED FENCE
- PROPOSED STORM PIPE
- PROPOSED DRAIN TILE & CLEANOUT
- LIMITS OF WORK
- SILT FENCE
- RESTORATION AREA SEED WITH WET PRAIRIE MIXTURE 34-262 AT 14.5 lbs/acre PER Mn/DOT SEEDING MANUAL

GRADING & EROSION CONTROL SEQUENCE

1. INSTALL SILT FENCE AND TEMPORARY ROCK CONSTRUCTION ENTRANCE.
2. CLEARING AND GRUBBING.
3. STRIP TOPSOIL.
4. PROCEED TO MASS GRADING.
5. GRADE TEMPORARY SEDIMENTATION BASINS TO ELEVATIONS MARKED ON PLAN.
6. SEED AND MULCH ALL DISTURBED AREAS.
7. INSTALL EROSION CONTROL BLANKETS OR HYDRO-SEED ON 3:1 OR STEEPER SLOPES

AFTER VEGETATION IS ESTABLISHED

1. REMOVAL PRACTICES: REMOVE ALL TEMPORARY BMPS SUCH AS SILT FENCES AS SOON AS ALL DISTURBED AREAS HAVE BEEN STABILIZED.

MAINTENANCE

1. INSPECTION OF ALL EROSION CONTROL FEATURES SHOULD BE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER 1/2" RAIN EVENT.
2. MAINTENANCE OF BMPS SHALL BE COMPLETE WITHIN 24 HOURS.
3. THE ROCK CONSTRUCTION ENTRANCE PERFORMANCE SHALL BE MAINTAINED THROUGH SCRAPING OR DRESSING WITH ADDITIONAL AGGREGATE.
4. SEDIMENT CLEANUP. BY THE END OF EACH WORKDAY, CLEAN UP ALL OFF-SITE SEDIMENT DEPOSITS OR TRACKED SOIL THAT ORIGINATED FROM THE CONSTRUCTION SITE. FLUSHING SHALL NOT BE ALLOWED UNLESS RUNOFF IS TREATED BEFORE DISCHARGE FROM THE SITE.

REFERENCE DRAWINGS:

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SITE PLAN	SA06-40D, SH. 1
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ISSUED FOR
CONSTRUCTION

05/16/2023

SITE LOCATION

8001 20TH AVE.
LINO LAKES, MN 55038



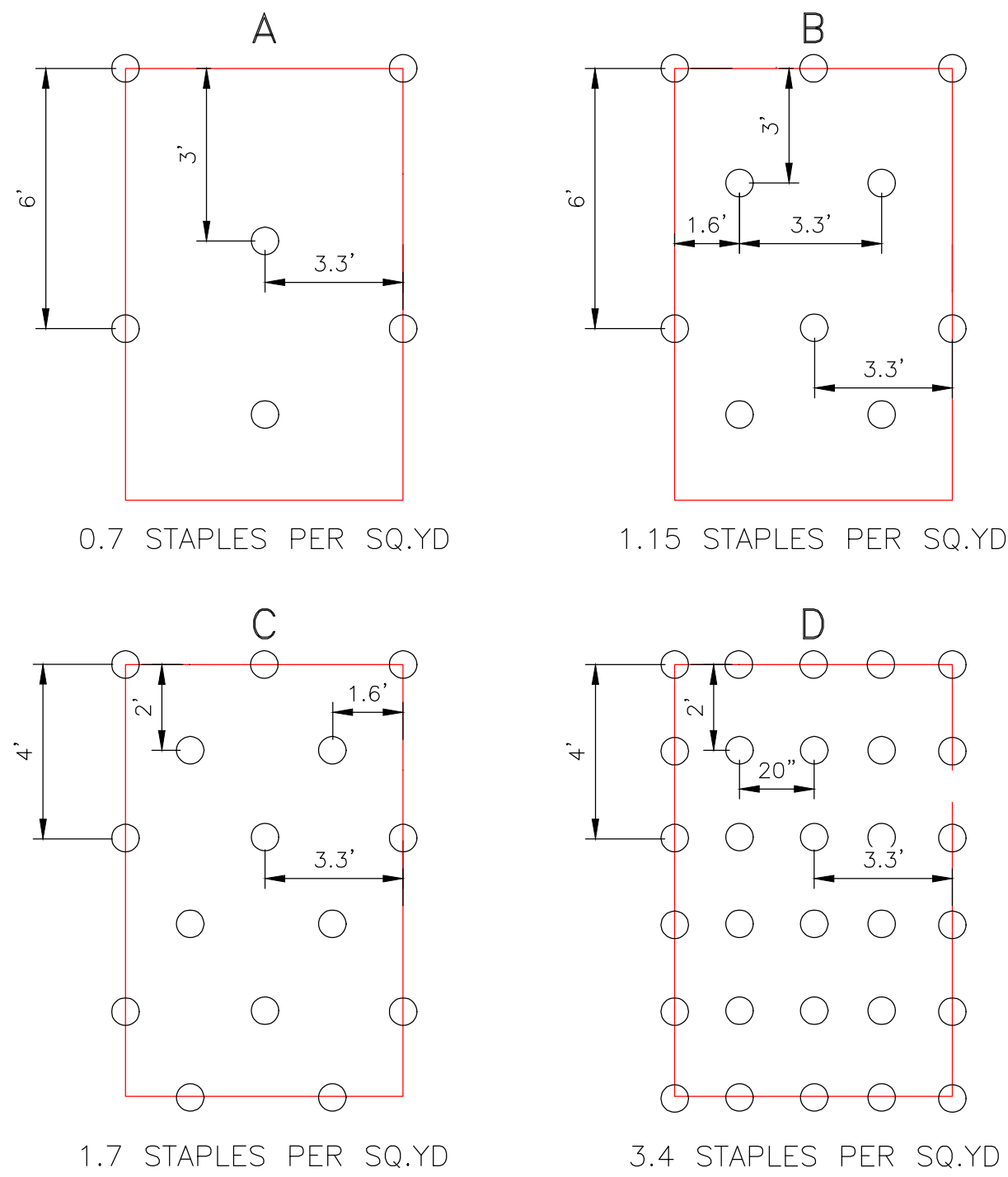
GOPHER STATE
ONE CALL

800/252-1166

*COOPERATIVE DRAWING MAINTAINED & HOUSED BY GREAT RIVER ENERGY

								CONNEXUS ENERGY			
								EROSION CONTROL PLAN			
								HUGO SUBSTATION SA06	DATE: 05-16-23	PROJECT NO	REVISION
									SCALE: 1"=20'	208969	0
									DWN BY: CJK	DRAWING NUMBER	
									CKD BY: EKD	SA06-40D	
									CKD BY:		
									APPD BY: MEV	SHEET 5	
6	5	4	3	2	1	REV	DATE	REVISION	BY	APPD	BY
						NO					

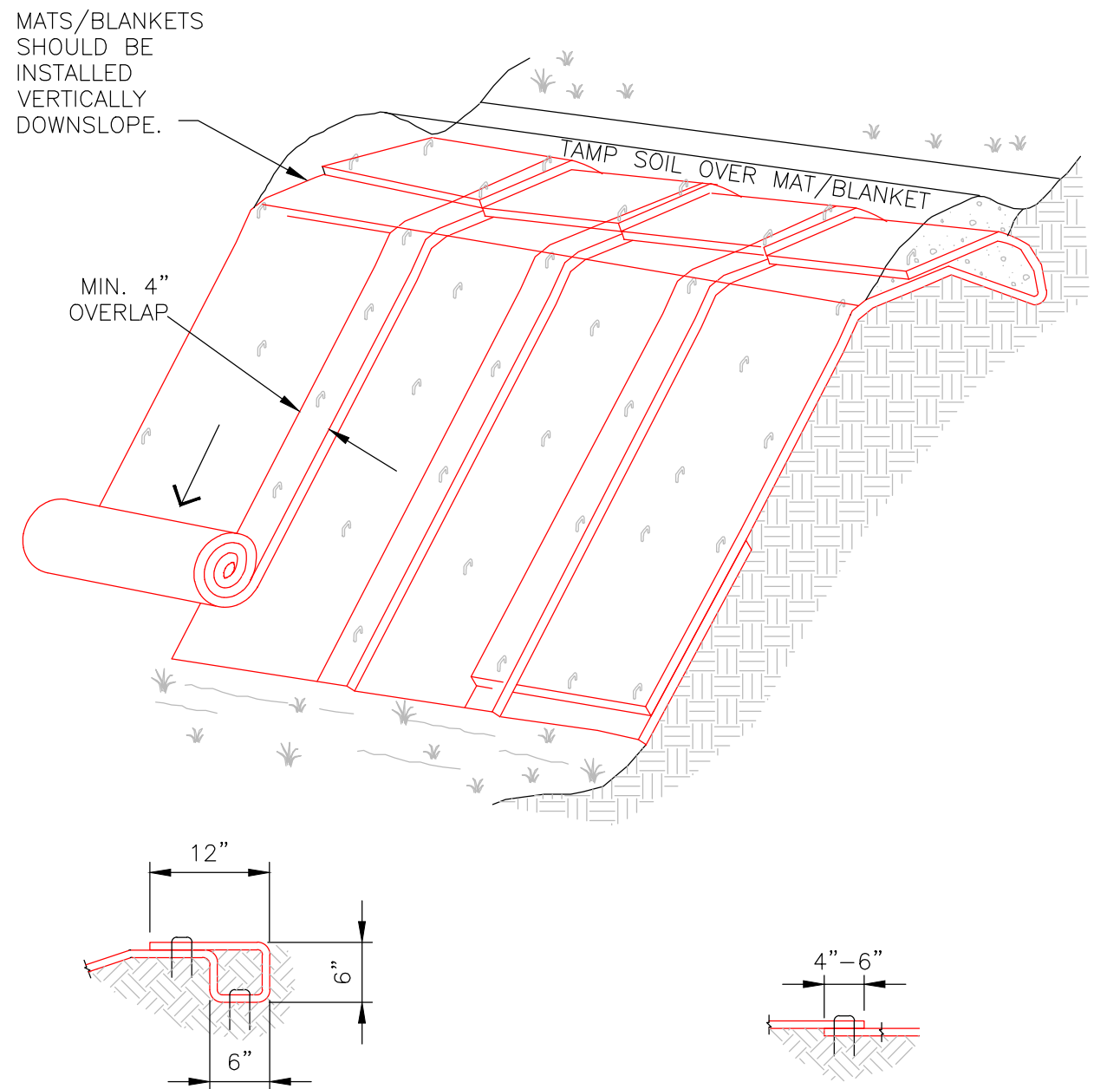
APPROVED FOR CONSTRUCTION



STAPLE PATTERN GUIDE FOR
6.67' WIDE ROLLS
(STANDARD)*

STAPLE PATTERN TYPE	USE
A	4:1 SLOPES
B	3:1 SLOPES
C	2:1 & STEEPER SLOPES
D	MEDIUM/HIGH FLOW CHANNEL

* IF OTHER WIDTH OF ROLLS IS USED
CONSULT ENGINEER OF MANUFACTURER
FOR STAPLE PATTERN GUIDE.



EROSION CONTROL BLANKET INSTALLATION
SCALE: NONE

EROSION CONTROL BLANKET TYPES

CATEGORY	SERVICE APPLICATION	USE	ACCEPTABLE TYPES
1	VERY TEMPORARY	FLAT AREAS, SHOULDER DRAIN OUTLETS, ROADWAY SHOULDERS, LAWNS, MOWED AREAS.	STRAW, WOOD FIBER, RAPIDLY DEGRADABLE NETTING ON ONE SIDE
2	ONE SEASON	SLOPES 1:3 AND STEEPER LESS THAN 50 FT LONG, DITCHES WITH GRADIENTS 2% OR LESS, FLOW VELOCITIES LESS THAN 5.0 FPS.	STRAW, WOOD FIBER, NETTING ON ONE SIDE
3	ONE SEASON	SLOPES 1 VERTICAL: 3 HORIZONTAL AND STEEPER, MORE THAN 50 FT. LONG, DITCHES WITH GRADIENTS 3% OR LESS, FLOW VELOCITIES LESS THAN 6.5 FPS.	STRAW, WOOD FIBER, NETTING ON TWO SIDES
4	SEMI-PERMANENT	DITCHES WITH GRADIENTS 4% OR LESS, FLOW VELOCITIES LESS THAN 8.0 FPS, FLOW DEPTH 6 INCHES OR LESS.	STRAW/COCONUT, WOOD FIBER, NETTING ON TWO SIDES
5	SEMI-PERMANENT	DITCHES WITH GRADIENTS 8% OR LESS, FLOW VELOCITIES LESS THAN 15.0 FPS AND FLOW DEPTH LESS THAN 8 INCHES, WATERCOURSE BANKS WITHIN THE NORMAL FLOW ELEVATION	COCONUT FIBER, NETTING ON TWO SIDES

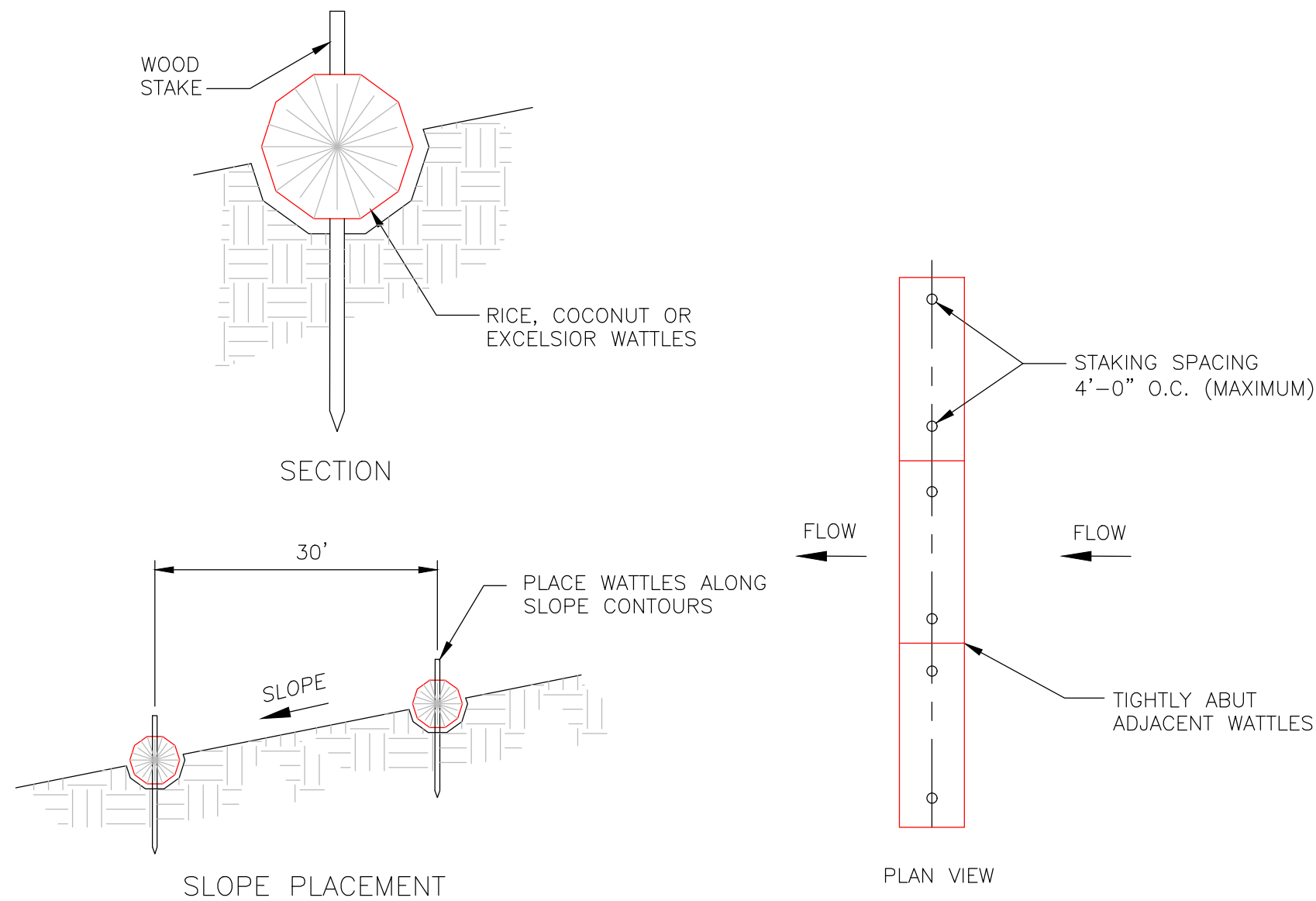
SOURCE: MPCA 2000

EROSION CONTROL BLANKET INSTALLATION NOTES

- PREPARE SOIL (GRADE AND SMOOTH SLOPES) BEFORE INSTALLING ROLLED EROSION CONTROL PRODUCTS (RECP'S), INCLUDING ANY APPLICATION OF LIME, FERTILIZER AND SEED.
- BEGIN AT TOP OF THE SLOPE BY ANCHORING THE RECP'S IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF RECP'S EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE RECP'S WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF RECP'S BACK OVER SEED AND COMPACTED SOIL. SECURE RECP'S OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WITH OF THE RECP'S.
- ROLL THE RECP'S DOWN ACROSS THE SLOPE. RECP'S WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL RECP'S MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN.
- THE EDGES OF PARALLEL RECP'S MUST BE STAPLED WITH APPROXIMATELY 4"-6" OVERLAP.
- CONSECUTIVE RECP'S SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH APPROPRIATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE RECP'S WIDTH.
- IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE RECP'S.

MAINTENANCE

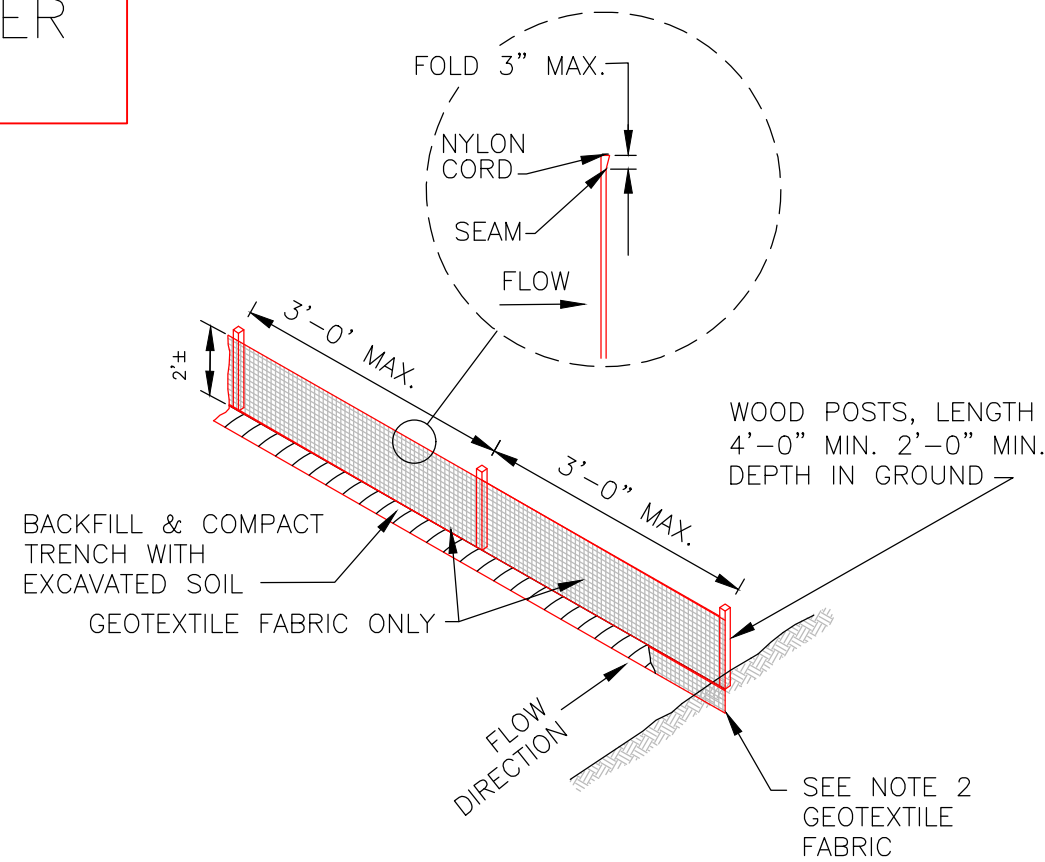
- INSPECT ALL MULCHES AND EROSION CONTROL FABRICS PERIODICALLY, AND AFTER RAINSTORMS TO CHECK FOR FILL EROSION, DISLOCATION OR FAILURE. WHERE EROSION IS OBSERVED, APPLY ADDITIONAL MULCH OR REPAIR FABRIC.
- CONTINUE INSPECTIONS UNTIL VEGETATION IS ESTABLISHED.
- IF WASHOUT OCCURS, REPAIR THE SLOPE GRADE, RESEED AND REINSTALL MULCH. CONTINUE INSPECTIONS UNTIL VEGETATION IS FIRMLY ESTABLISHED.



BIO ROLLS
SCALE: NONE

- BIO ROLL NOTES:
- STAKING SPECIFICATIONS:
 - 1"x2" WOODEN STAKES
 - ADDITIONAL STAKES MAY BE INSTALLED ON DOWNHILL SIDE OF WATTLES, ON STEEP SLOPE OR HIGHLY EROSION SOILS.

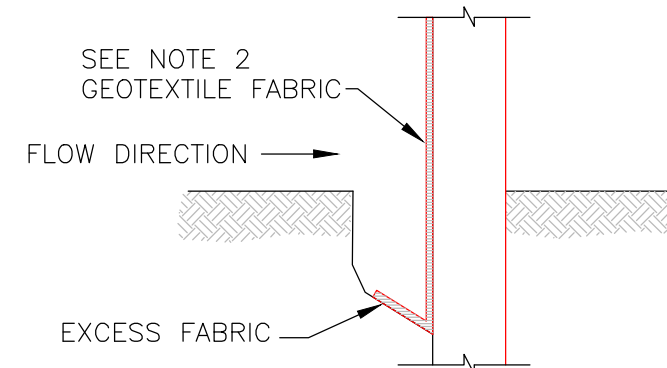
ONLY NATURAL NET SHOULD BE USED PER
CITY OF LINO LAKES REQUIREMENTS



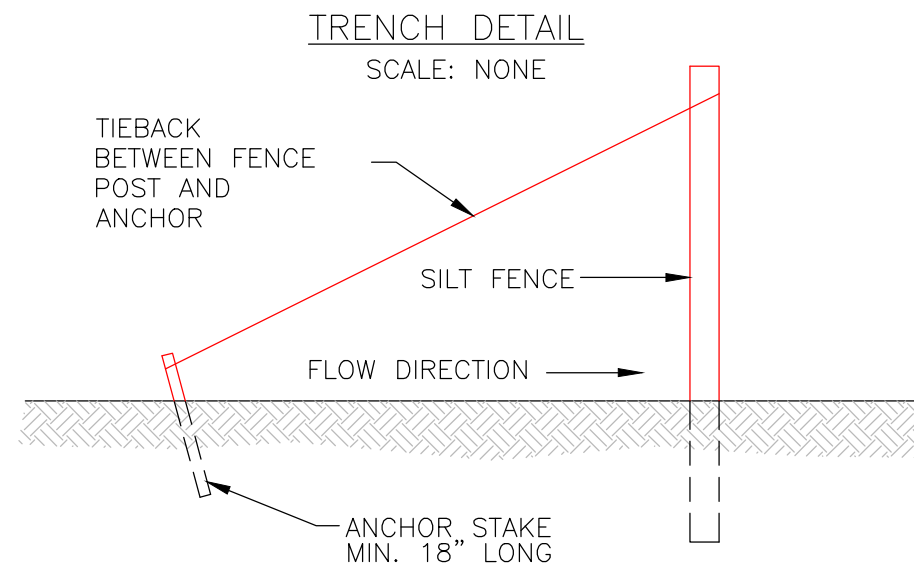
SILT FENCING DETAIL
SCALE: NONE

SILT FENCING NOTES

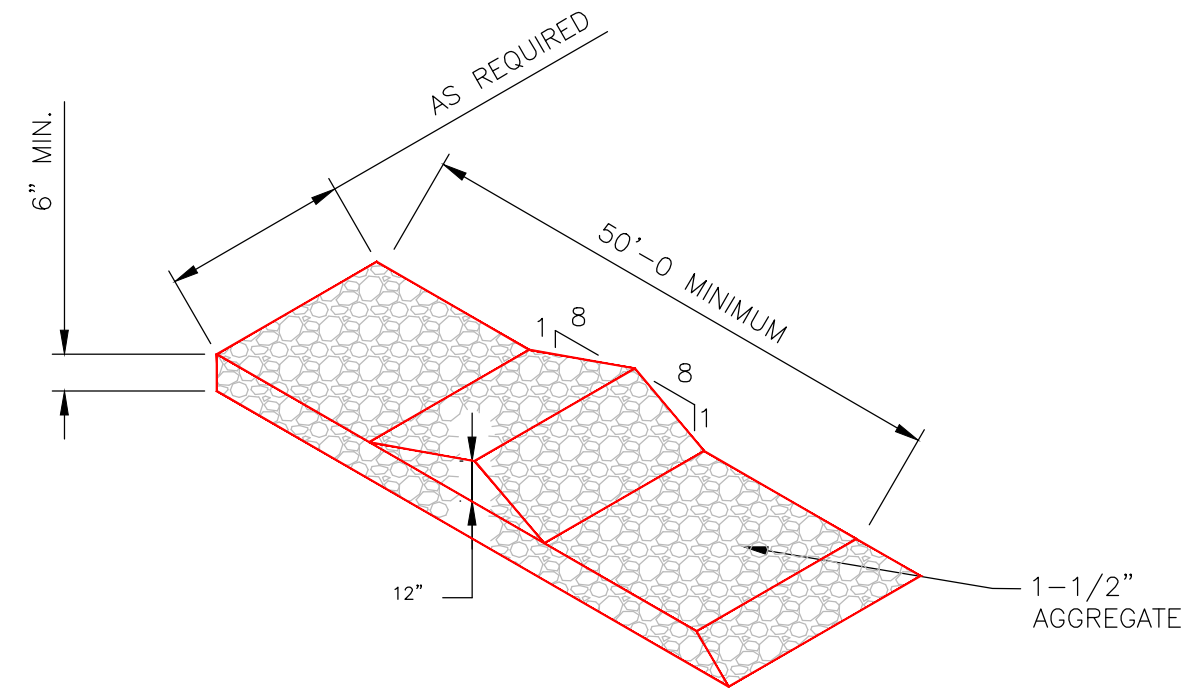
- HORIZONTAL BRACE WITH 2" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
- TRENCH SHALL BE A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1-1/8" x 1-1/8" OF OAK OR HICKORY.
- SILT FENCE TO HAVE A MINIMUM NOMINAL PORE SIZE OF 20-MICRONS.



NOTE: ADDITIONAL POST DEPTH
OR TIE BACKS MAY BE REQUIRED
IN UNSTABLE SOILS.



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)
SCALE: NONE



TEMPORARY ROCK CONSTRUCTION ENTRANCE
SCALE: NONE

ISSUED FOR
CONSTRUCTION

05/16/2023

REFERENCE DRAWINGS:

FOUNDATION PLAN	SA06-05D, SH. 1
PLOT PLAN	SA06-10D, SH. 1
SITE PLAN	SA06-40D, SH. 1
EXISTING CONDITIONS & REMOVALS	SA06-40D, SH. 2
GRADING PLAN	SA06-40D, SH. 3
GRADING DETAILS	SA06-40D, SH. 4
EROSION CONTROL PLAN	SA06-40D, SH. 5
EROSION CONTROL DETAILS	SA06-40D, SH. 6
LIGHTING PLAN	SA06-40D, SH. 7
LANDSCAPE PLAN	SA06-40D, SH. 8
COORDINATE PLAN	SA06-40D, SH. 9

*COOPERATIVE DRAWING MAINTAINED & HOUSED BY GREAT RIVER ENERGY

REV					REV	DATE	APPD BY			
							BY			
6	5	4	3	2	1					
							CONNEXUS ENERGY			
							EROSION CONTROL DETAILS			
							HUGO SUBSTATION		DATE: 05-16-23 SCALE: 1"=20'	PROJECT NO: 208969 REVISION: 0
							SA06		DWN BY: CJK CKD BY: EKD APPD BY: MEV	DRAWING NUMBER: SA06-40D SHEET: 6

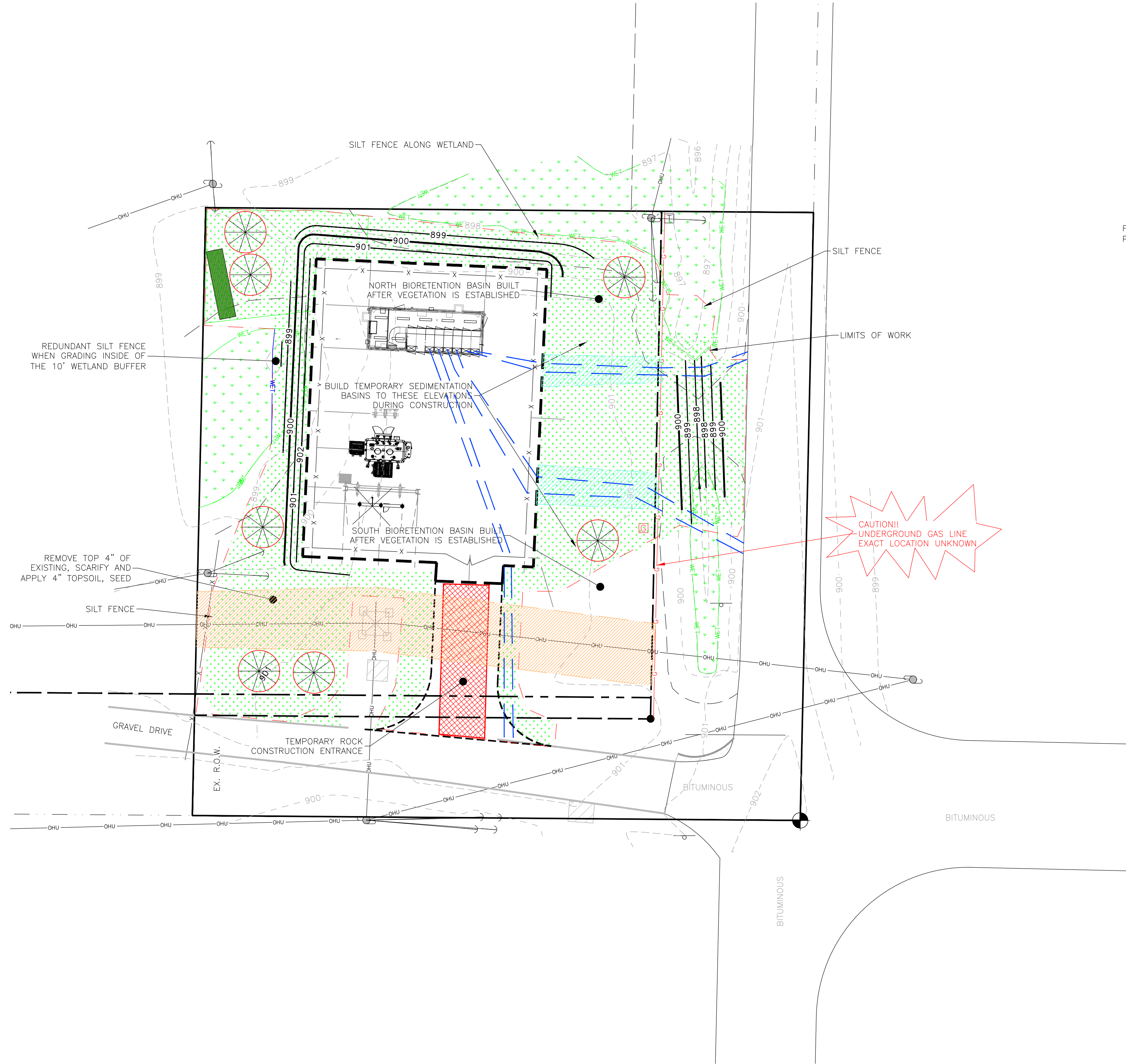
APPROVED FOR CONSTRUCTION

HUBBELL SLING SERIES SG1-20-5K7-FT-PCU

1. LIGHT INCLUDES A PHOTO EYE SENSOR SUCH THAT THE LIGHT WILL BE TURNED ON FROM DUSK TILL DAWN.
2. IF PERSONNEL ARE REQUIRED TO BE AT THE SITE FROM DUSK TILL DAWN, PERSONNEL WILL HAVE HANDHELD LIGHTS TO PERFORM THE WORK NEEDED.

[illegible]

APPROVED FOR CONSTRUCTION



N

SCALE: 1"=20'-0"

0 5' 10' 20'

FOR FULL SIZE 22X34 PLOT IF PRINTED IN 11X17 USE 1"=40'

- NOTES
1. SITE HORIZONTAL CONTROL IS IN FEET.
 2. CONTOURS ARE SHOWN IN 1 FOOT INTERVALS.
 3. ALL SLOPES 3H:1V MAXIMUM UNLESS NOTED.
 4. FOR GEOTECHNICAL REPORT, SEE SH. 4 CONSTRUCTION NOTE 1.

HORIZONTAL CONTROL

ANOKAMN-F

MINNESOTA DOT: ANOKA COUNTY, US FOOT

VERTICAL CONTROL

NAVD 88

BENCHMARKS

B.M. 1 EL. 901.15

N=158901.99

E=558217.49

SE PROPERTY, R.O.W. IRON

B.M. 2 EL. 900.73

N=158904.08

E=558067.53

SW PROPERTY, R.O.W. IRON

B.M. 3 EL. 898.07

N=159070.14

E=558071.28

NW PROPERTY CORNER IRON

SIMBOL	QUANTITY	SCIENTIFIC NAME	COMMON NAME
	5	EMERALD GREEN ARBORVITAE	SMARAGD
	7	ABIES CONCOLOR	WHITE FIR
		OVERHEAD NO PLANTING AREA	
		UNDERGROUND ELECTRIC NO PLANTING AREA	

- LEGEND
- PROPERTY LINE
 - PROPERTY IRON
 - R.O.W. LINE
 - ROADWAY EASEMENT LINE
 - EDGE OF WETLAND
 - EXISTING WETLAND AREA
 - WETLAND BUFFER 10 FEET
 - EXISTING FENCE
 - EXISTING POWER POLE AND GUY WIRE
 - EXISTING OVERHEAD POWER
 - EXISTING GAS LINE (APPROX)
 - EXISTING GAS PEDESTAL
 - EXISTING TREE
 - EXISTING TELEPHONE PEDESTAL
 - EXISTING BITUMINOUS EDGE
 - EXISTING GRAVEL EDGE
 - EXISTING GRAVEL AREA
 - SOIL BORING LOCATION
 - EXISTING CONTOUR
 - PROPOSED CONTOUR
 - PROPOSED SUBSTATION CLASS V BASE
 - PROPOSED DRIVEWAY EDGE
 - PROPOSED FENCE
 - PROPOSED STORM PIPE
 - PROPOSED DRAIN TILE & CLEANOUT
 - PROPOSED BIORETENTION BASIN
 - LIMITS OF WORK
 - PROPOSED UNDERGROUND ELECTRIC
 - RESTORATION AREA SEED WITH WET PRAIRIE MIXTURE 34-262 AT 14.5 lbs/acre PER Mn/DOT SEEDING MANUAL

- REFERENCE DRAWINGS:
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 - PLOT PLAN SA06-10D, SH. 1
 - SITE PLAN SA06-40D, SH. 1
 - EXISTING CONDITIONS & REMOVALS SA06-40D, SH. 2
 - GRADING PLAN SA06-40D, SH. 3
 - GRADING DETAILS SA06-40D, SH. 4
 - EROSION CONTROL PLAN SA06-40D, SH. 5
 - EROSION CONTROL DETAILS SA06-40D, SH. 6
 - LIGHTING PLAN SA06-40D, SH. 7
 - LANDSCAPE PLAN SA06-40D, SH. 8
 - COORDINATE PLAN SA06-40D, SH. 9

SITE LOCATION

8001 20TH AVE.

LINO LAKES, MN 55038



GOPHER STATE

ONE CALL

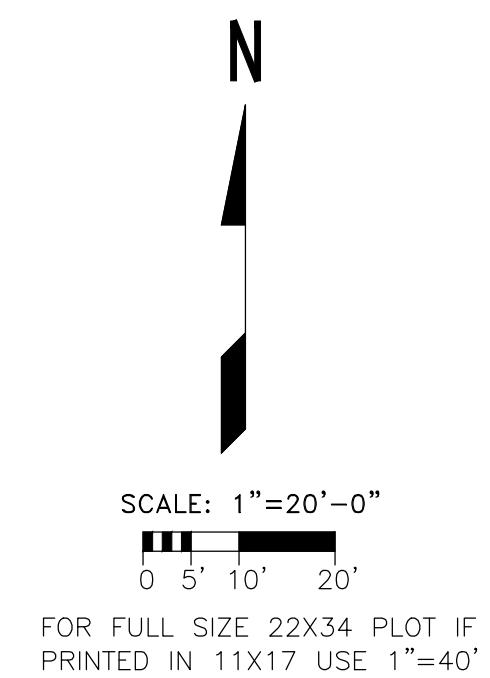
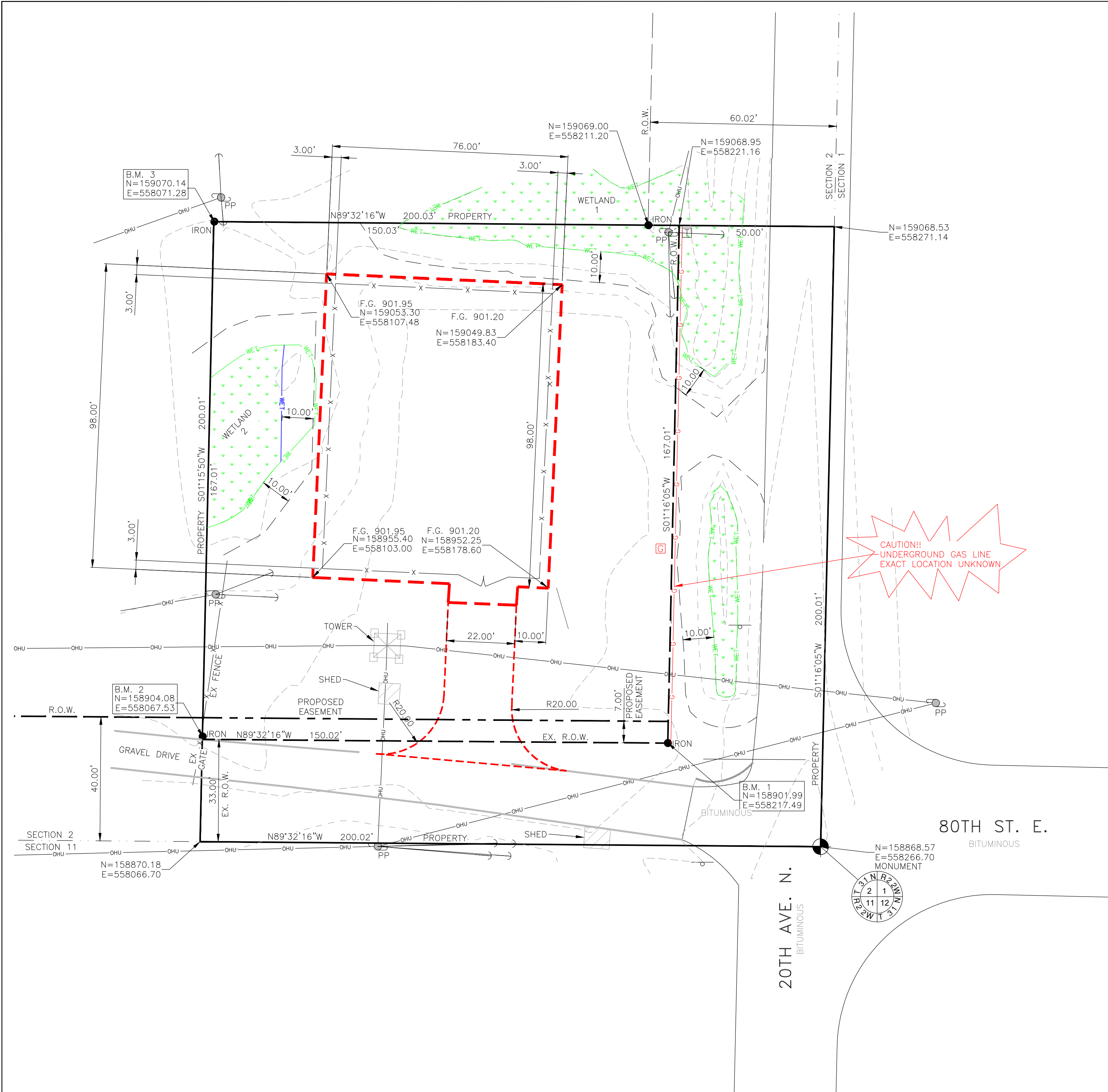
800/252-1166

*COOPERATIVE DRAWING MAINTAINED & HOUSED BY GREAT RIVER ENERGY									
CONNEXUS ENERGY									
LANDSCAPE PLAN									
HUGO		DATE: 05-16-23		PROJECT NO.		REVISION			
SUBSTATION		SCALE: 1"=20'		208969		0			
		DWN BY: CJK							
		CKD BY: EKD							
		APPD BY: MEV							
SA06				DRAWING NUMBER		SA06-40D			
						SHEET		8	

ISSUED FOR CONSTRUCTION

05/16/2023

APPROVED FOR CONSTRUCTION



HORIZONTAL CONTROL

ANOKAMN-F
MINNESOTA DOT: ANOKA COUNTY, US FOOT

VERTICAL CONTROL

NAVD 88

BENCHMARKS
B.M. 1 EL. 901.15
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SE PROPERTY, R.O.W. IRON

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E=558067.53
SW PROPERTY, R.O.W. IRON

B.M. 3 EL. 898.07
N=159070.14
E=558071.28
NW PROPERTY CORNER IRON

NOTES

- 1. SITE HORIZONTAL CONTROL IS IN FEET.
- 2. FOR GEOTECHNICAL REPORT, SEE SH. 4 CONSTRUCTION NOTE 1.
- 3. FINISHED GRADE (F.G.) IS TOP OF CLASS V BASE ROCK.

LEGEND

- PROPERTY LINE
- PROPERTY IRON
- R.O.W. LINE
- ROADWAY EASEMENT LINE
- EDGE OF WETLAND
- EXISTING WETLAND AREA
- WETLAND BUFFER 10 FEET
- EXISTING FENCE
- EXISTING POWER POLE AND GUY WIRE
- EXISTING OVERHEAD POWER
- EXISTING GAS LINE (APPROX)
- EXISTING GAS PEDESTAL
- EXISTING TREE
- EXISTING TELEPHONE PEDESTAL
- EXISTING BITUMINOUS EDGE
- EXISTING GRAVEL EDGE
- EXISTING GRAVEL AREA
- PROPOSED SUBSTATION CLASS V BASE
- PROPOSED DRIVEWAY EDGE
- PROPOSED FENCE
- PROPOSED STORM PIPE
- PROPOSED DRAIN TILE & CLEANOUT

REFERENCE DRAWINGS:

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- COORDINATE PLAN SA06-40D, SH. 9

SITE LOCATION
8001 20TH AVE.
LINO LAKES, MN 55038



GOPHER STATE
ONE CALL
800/252-1166

*COOPERATIVE DRAWING MAINTAINED & HOUSED BY GREAT RIVER ENERGY

							REV APPD BY	CONNEXUS ENERGY			
							REVISION	COORDINATE PLAN			
								HUGO SUBSTATION	DATE: 05-16-23 SCALE: 1"=20'	PROJECT NO 208969	REVISION 0
									DWN BY: CJK	DRAWING NUMBER	
									CKD BY: EKD	SA06-40D	
									CKD BY:		
									APPD BY: MEV	SHEET 9	
6	5	4	3	2	1	REV NO	DATE	SA06			

ISSUED FOR
CONSTRUCTION
05/16/2023

APPROVED FOR CONSTRUCTION