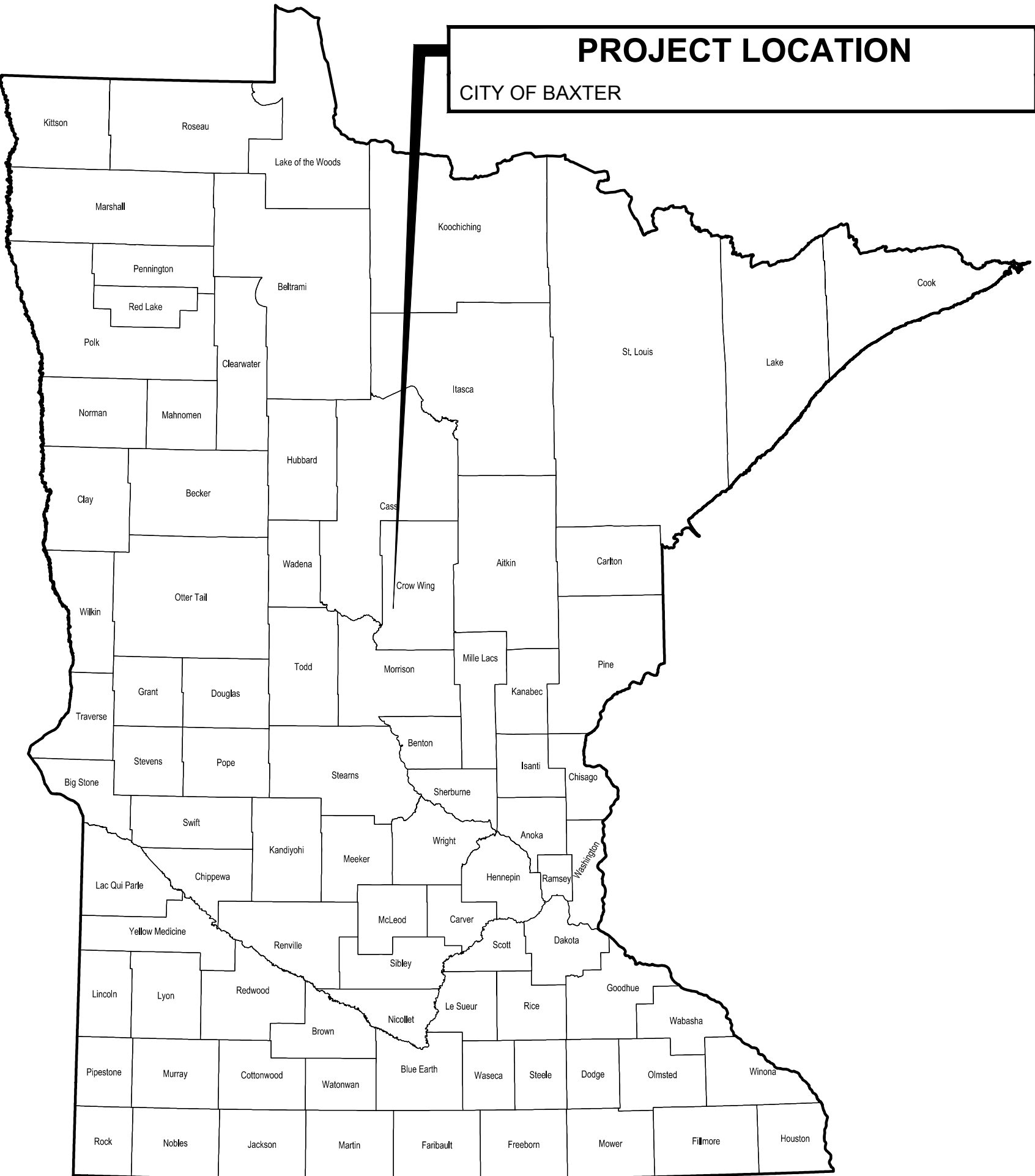


ESSENTIA HEALTH - BAXTER MUSCULOSKELETAL CLINIC

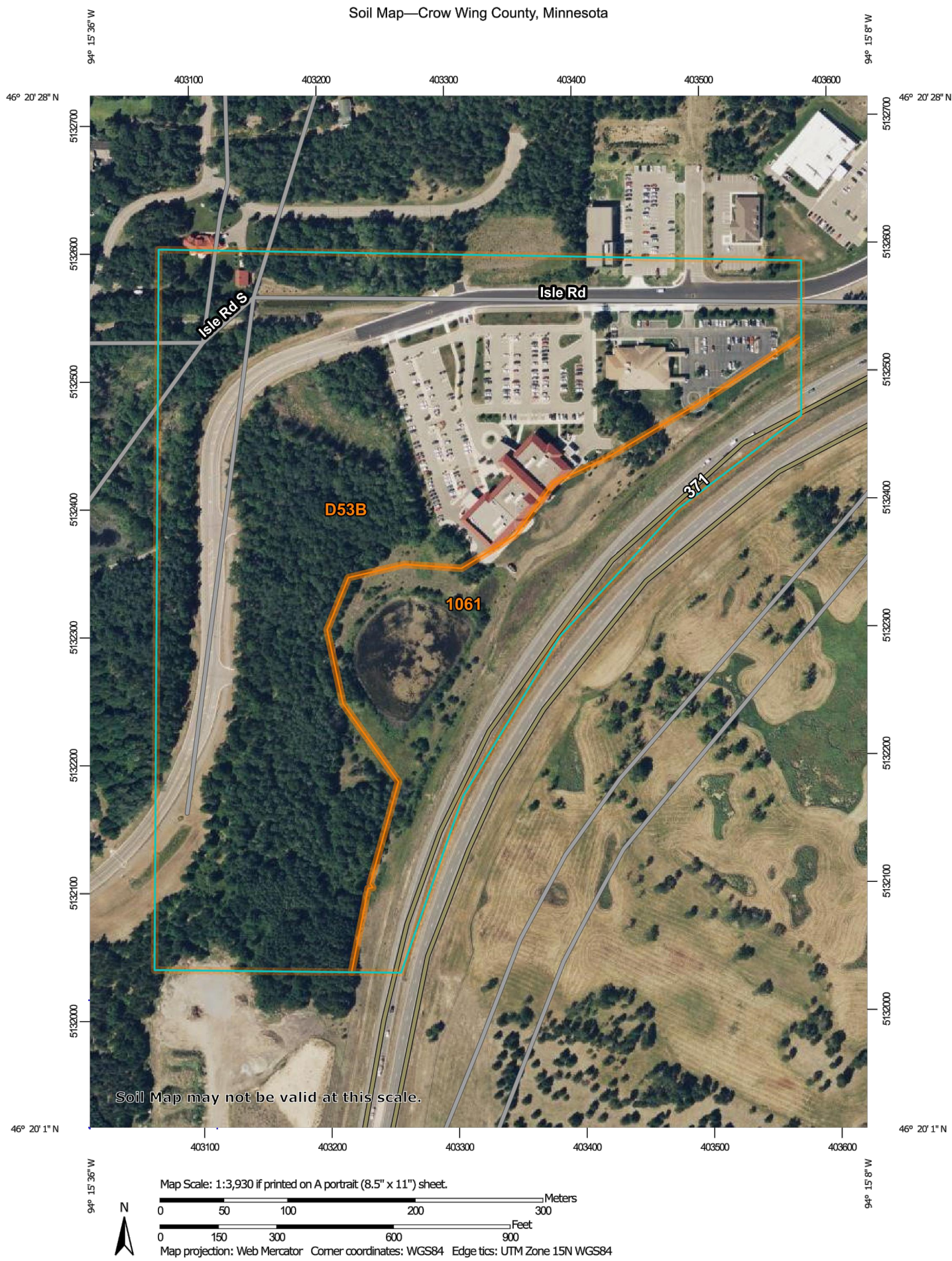
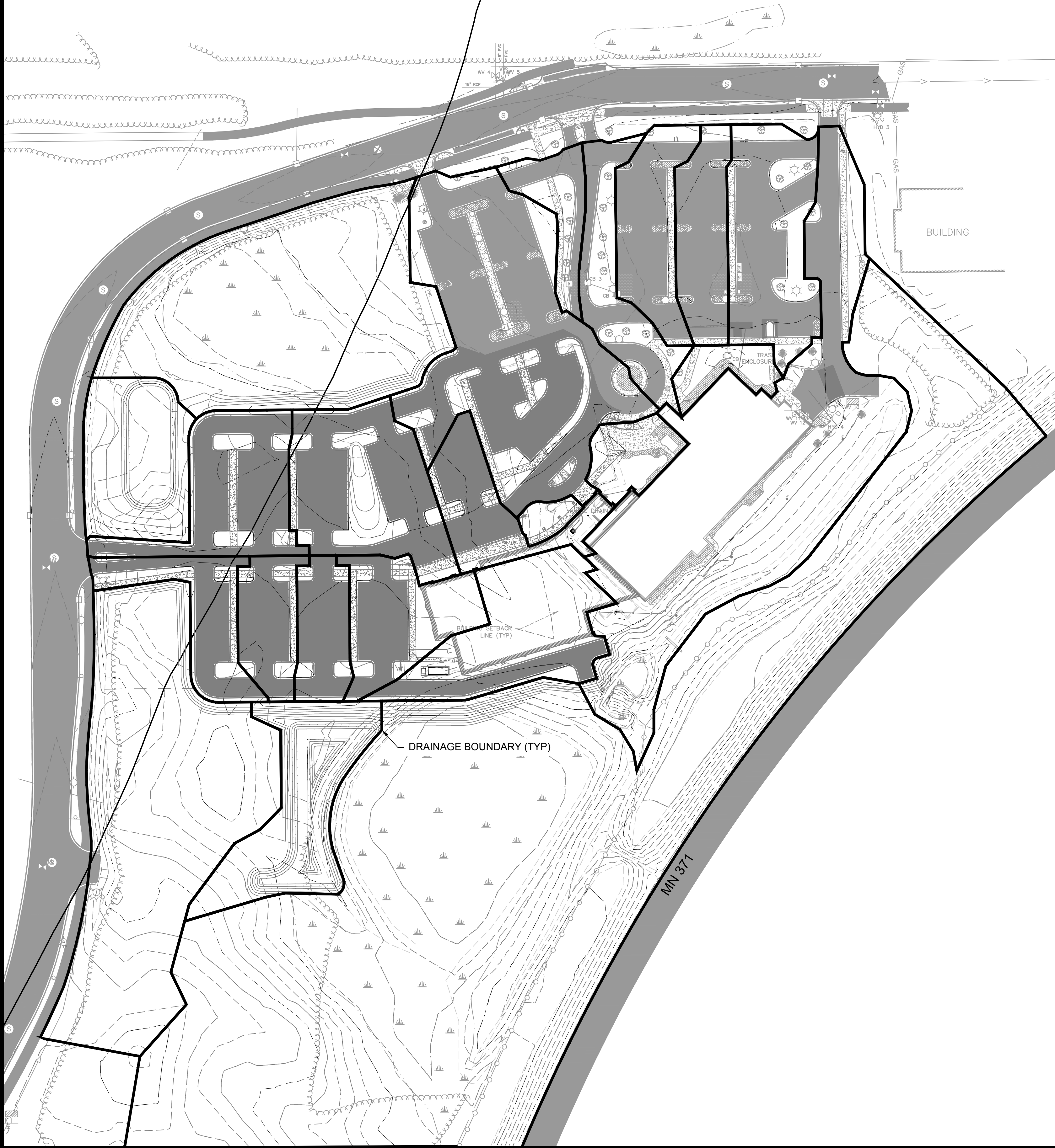
BAXTER, MN



SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C1.00	TITLE SHEET
C1.01	CIVIL LEGEND
C2.01 - C2.03	CIVIL DETAILS
C2.04 - C2.09	ADA DETAILS
C3.01	SWPPP NARRATIVE
C3.02	SWPPP MAPS
C4.01 - C4.06	EXISTING CONDITIONS & REMOVALS PLAN
C5.01 - C5.06	SITE PLAN
C6.01 - C6.06	GRADING PLAN
C7.01 - C7.06	EROSION CONTROL PLAN
C8.01 - C8.06	UTILITY PLAN
C9.01 - C9.06	PAVING PLAN
L1.01	OVERALL LANDSCAPE PLAN
L1.02	ENLARGED LANDSCAPE PLAN



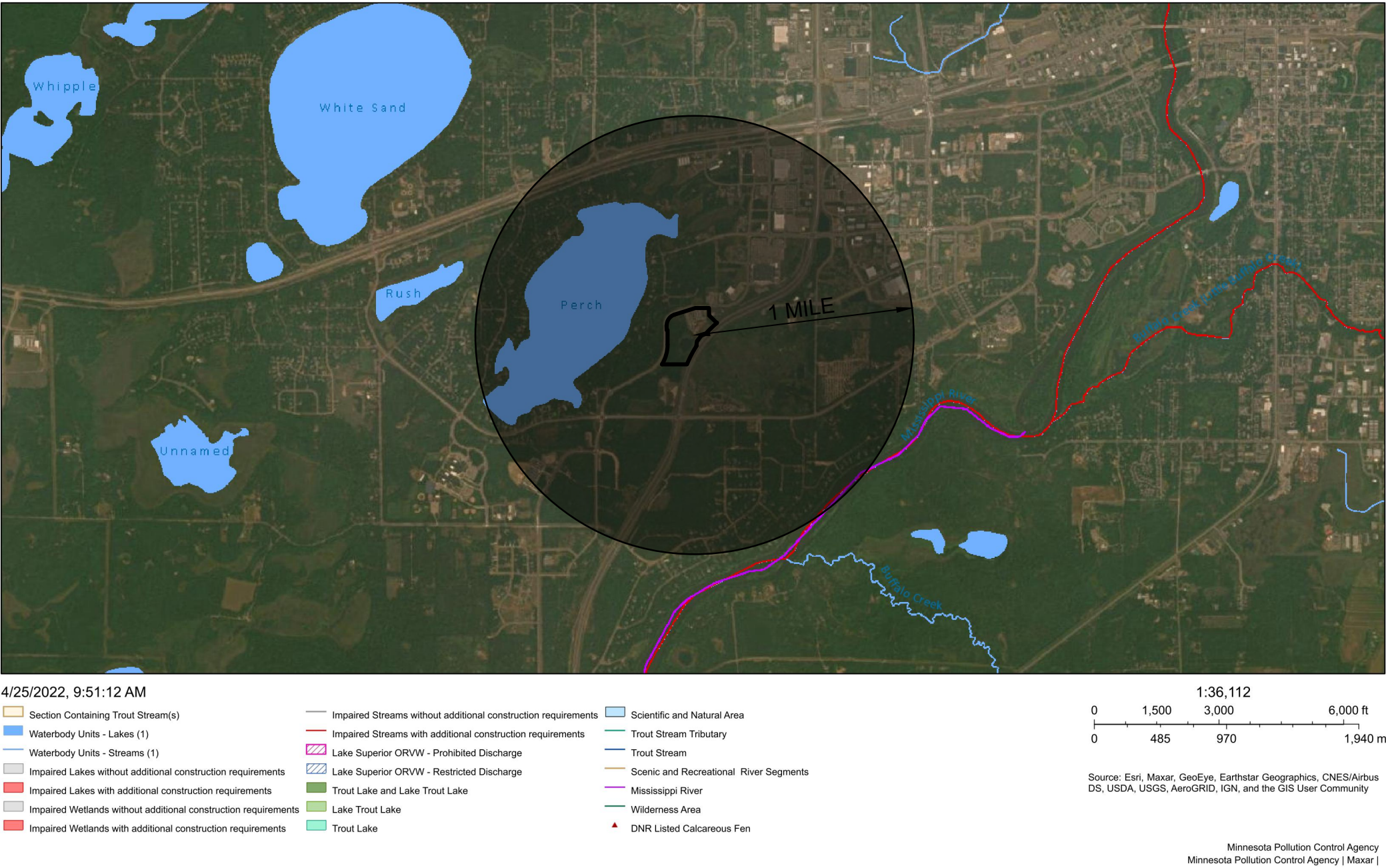
PROPOSED DRAINAGE AREAS



Map Unit Legend

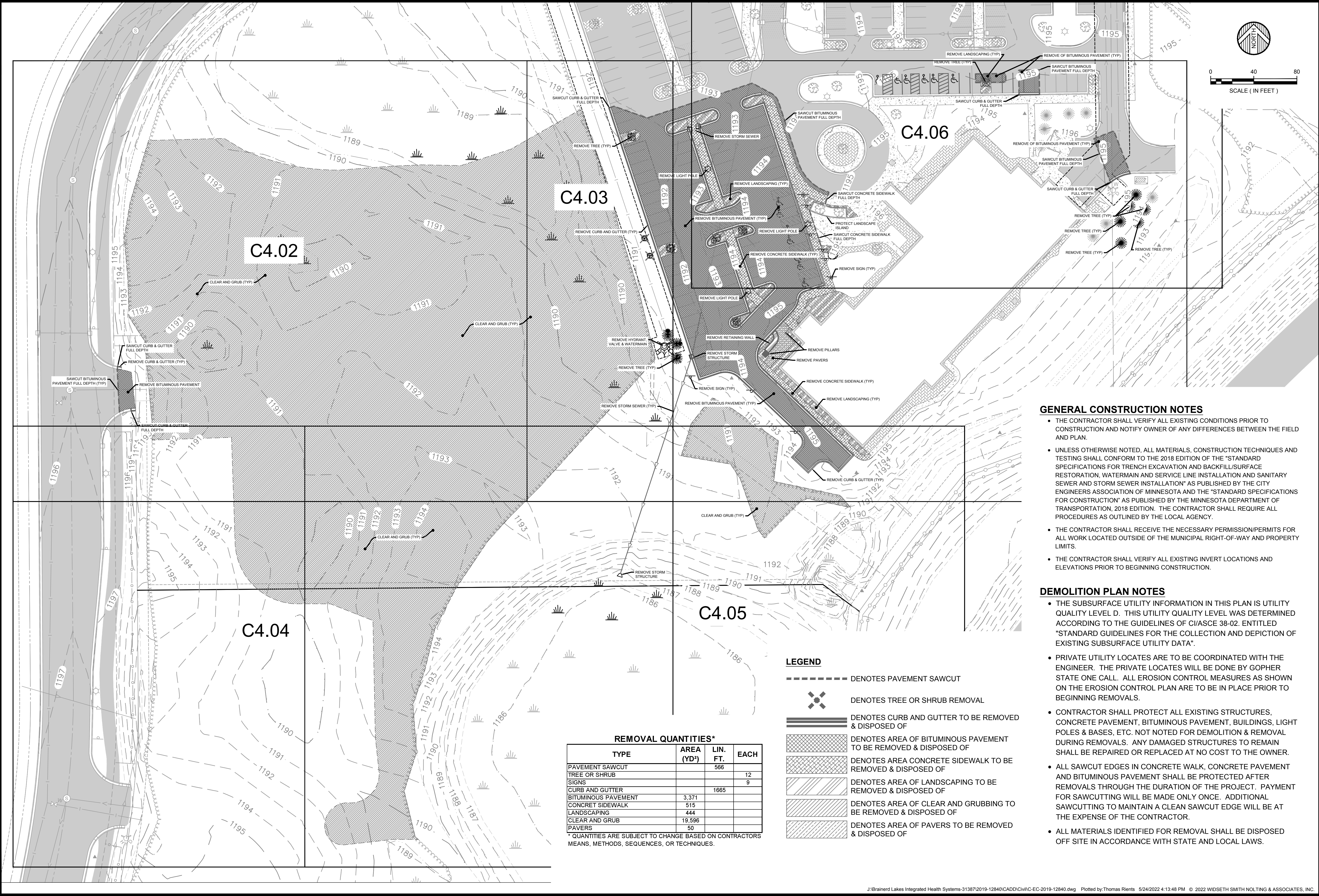
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1061	Udipsamments-Highway complex, 0 to 35 percent slopes	12.0	24.5%
D53B	Lougee-Barber-Guida complex, 0 to 6 percent slopes	37.0	75.5%
Totals for Area of Interest		49.0	100.0%

MPCA's Construction Stormwater Special Waters Search



DATE	REVISION DESCRIPTION	BY

DATE: MAY, 2022	AS SHOWN
SCALE: TMR	INITIALS
CHECKED BY: TMR	
JOB NUMBER: 2019-12840	



REMOVAL QUANTITIES*			
TYPE	AREA (YD²)	LIN. FT.	EACH
PAVEMENT SAWCUT		566	
TREE OR SHRUB			12
SIGNS			9
CURB AND GUTTER		1665	
BITUMINOUS PAVEMENT	3,371		
CONCRET SIDEWALK	515		
LANDSCAPING	444		
CLEAR AND GRUB	19,596		
PAVERS	50		

* QUANTITIES ARE SUBJECT TO CHANGE BASED ON CONTRACTORS MEANS, METHODS, SEQUENCES, OR TECHNIQUES.

- GENERAL CONSTRUCTION NOTES**
- THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY OWNER OF ANY DIFFERENCES BETWEEN THE FIELD AND PLAN.
 - UNLESS OTHERWISE NOTED, ALL MATERIALS, CONSTRUCTION TECHNIQUES AND TESTING SHALL CONFORM TO THE 2018 EDITION OF THE "STANDARD SPECIFICATIONS FOR TRENCH EXCAVATION AND BACKFILL/SURFACE RESTORATION, WATERMAIN AND SERVICE LINE INSTALLATION AND SANITARY SEWER AND STORM SEWER INSTALLATION" AS PUBLISHED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA AND THE "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AS PUBLISHED BY THE MINNESOTA DEPARTMENT OF TRANSPORTATION, 2018 EDITION. THE CONTRACTOR SHALL REQUIRE ALL PROCEDURES AS OUTLINED BY THE LOCAL AGENCY.
 - THE CONTRACTOR SHALL RECEIVE THE NECESSARY PERMISSION/PERMITS FOR ALL WORK LOCATED OUTSIDE OF THE MUNICIPAL RIGHT-OF-WAY AND PROPERTY LIMITS.
 - THE CONTRACTOR SHALL VERIFY ALL EXISTING INVERT LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.
- DEMOLITION PLAN NOTES**
- THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-02. ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".
 - PRIVATE UTILITY LOCATES ARE TO BE COORDINATED WITH THE ENGINEER. THE PRIVATE LOCATES WILL BE DONE BY GOPHER STATE ONE CALL. ALL EROSION CONTROL MEASURES AS SHOWN ON THE EROSION CONTROL PLAN ARE TO BE IN PLACE PRIOR TO BEGINNING REMOVALS.
 - CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, CONCRETE PAVEMENT, BITUMINOUS PAVEMENT, BUILDINGS, LIGHT POLES & BASES, ETC. NOT NOTED FOR DEMOLITION & REMOVAL DURING REMOVALS. ANY DAMAGED STRUCTURES TO REMAIN SHALL BE REPAIRED OR REPLACED AT NO COST TO THE OWNER.
 - ALL SAWCUT EDGES IN CONCRETE WALK, CONCRETE PAVEMENT AND BITUMINOUS PAVEMENT SHALL BE PROTECTED AFTER REMOVALS THROUGH THE DURATION OF THE PROJECT. PAYMENT FOR SAWCUTTING WILL BE MADE ONLY ONCE. ADDITIONAL SAWCUTTING TO MAINTAIN A CLEAN SAWCUT EDGE WILL BE AT THE EXPENSE OF THE CONTRACTOR.
 - ALL MATERIALS IDENTIFIED FOR REMOVAL SHALL BE DISPOSED OFF SITE IN ACCORDANCE WITH STATE AND LOCAL LAWS.

WIDSETH

ARCHITECTS • ENGINEERS • SCIENTISTS • SURVEYORS

HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

BRIAN VALUO

DATE: 05/24/2022 LIC. NO. 28817

DATE	REVISION DESCRIPTION	DATE	REVISION DESCRIPTION
MAY 2022	AS SHOWN		
	TMR		
	BPK		

ESSENTIA HEALTH - BAXTER MUSCULOSKELETAL CLINIC
BRAINERD LAKES INTEGRATED HEALTH SYSTEMS
BAXTER, MN

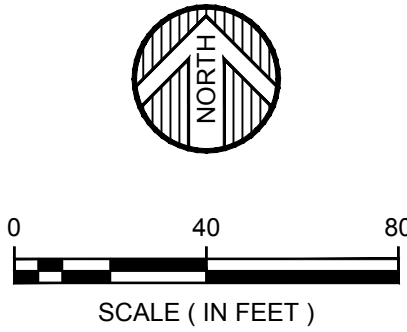
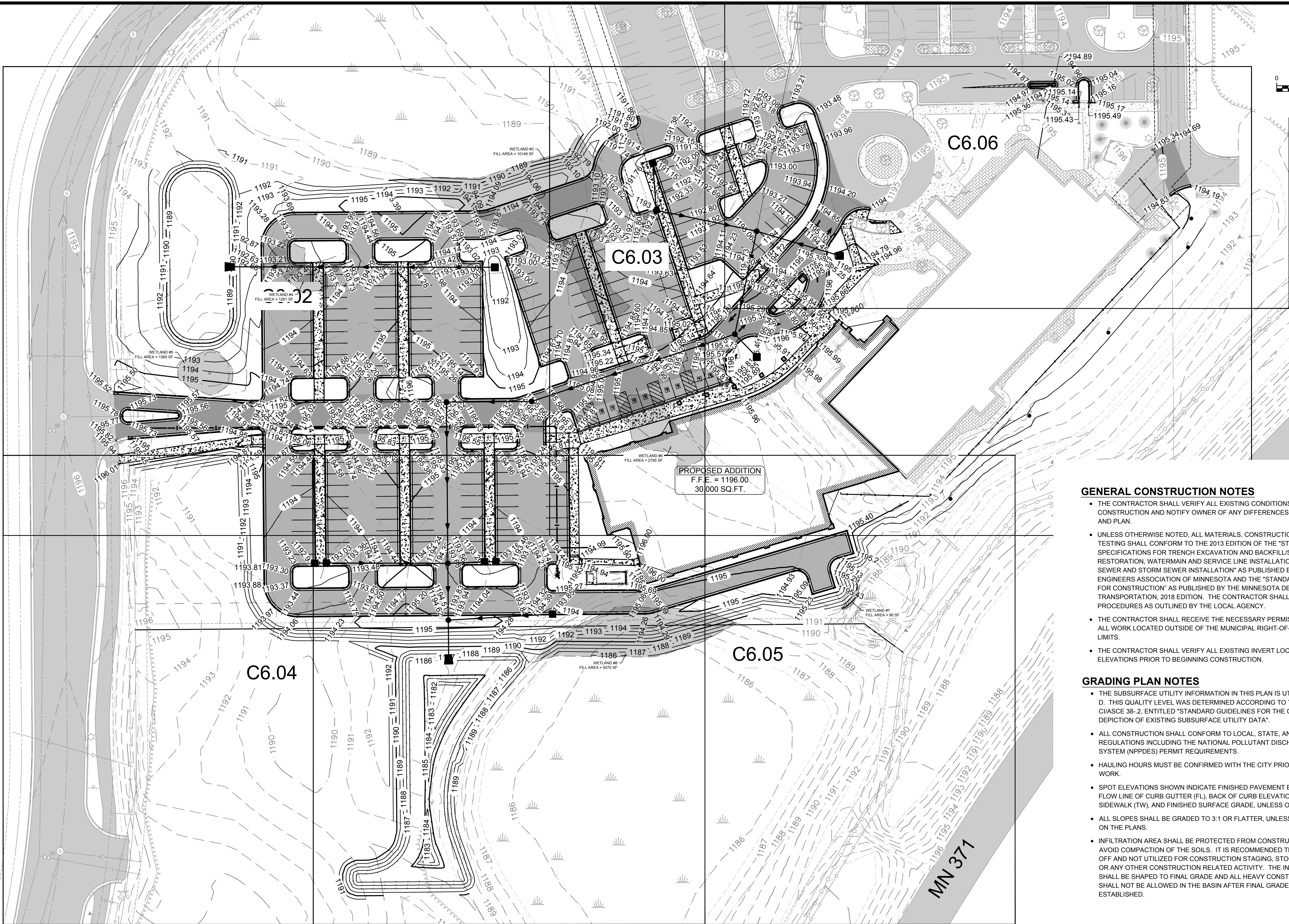
OVERALL REMOVALS

SHEET NO.

C4.01

SH#G4.01 OF ###

J:\Brainerd Lakes Integrated Health Systems-31387\2019-12840\CADD\Civil\EC-2019-12840.dwg Plotted by:Thomas Rients 5/24/2022 4:13:48 PM © 2022 WIDSETH SMITH NOLTING & ASSOCIATES, INC.



GENERAL CONSTRUCTION NOTES

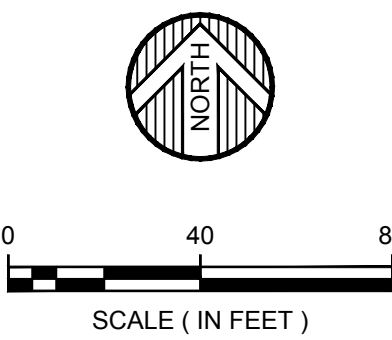
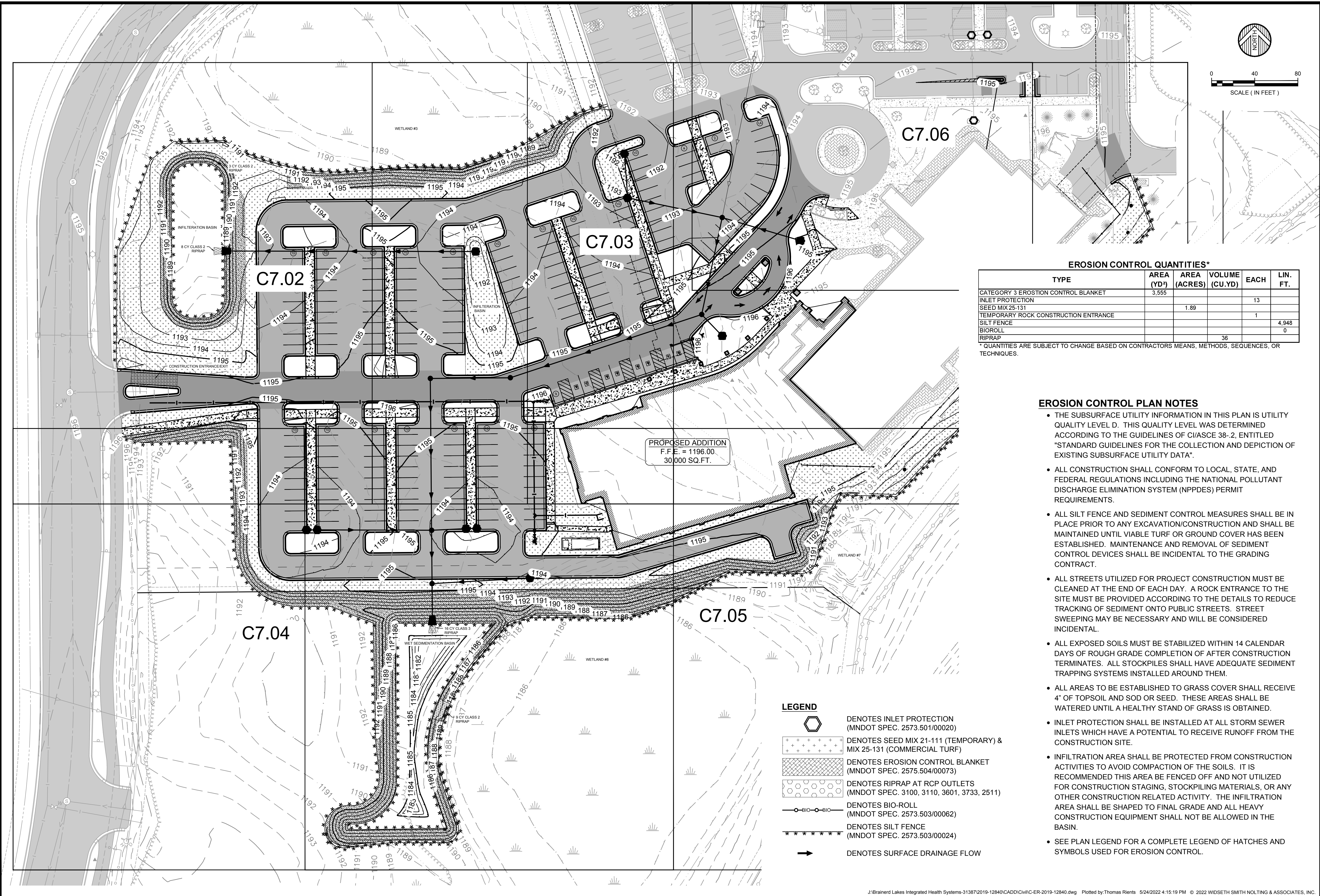
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- UNLESS OTHERWISE NOTED, ALL MATERIALS, CONSTRUCTION TECHNIQUES AND TESTING SHALL CONFORM TO THE 2013 EDITION OF THE "STANDARD SPECIFICATIONS FOR TRENCH EXCAVATION AND BACKFILL/SURFACE RESTORATION, WATERMAIN AND SERVICE LINE INSTALLATION AND SANITARY SEWER AND STORM SEWER INSTALLATION" AS PUBLISHED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA AND THE "STANDARD SPECIFICATIONS FOR CONSTRUCTION" AS PUBLISHED BY THE MINNESOTA DEPARTMENT OF TRANSPORTATION, 2018 EDITION. THE CONTRACTOR SHALL REQUIRE ALL PROCEDURES AS OUTLINED BY THE LOCAL AGENCY.
- THE CONTRACTOR SHALL RECEIVE THE NECESSARY PERMISSION/PERMITS FOR ALL WORK LOCATED OUTSIDE OF THE MUNICIPAL RIGHT-OF-WAY AND PROPERTY LIMITS.
- THE CONTRACTOR SHALL VERIFY ALL EXISTING INVERT LOCATIONS AND ELEVATIONS PRIOR TO BEGINNING CONSTRUCTION.

GRADING PLAN NOTES

- THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE 38-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".
- ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPPDES) PERMIT REQUIREMENTS.
- HAULING HOURS MUST BE CONFIRMED WITH THE CITY PRIOR TO BEGINNING WORK.
- SPOT ELEVATIONS SHOWN INDICATE FINISHED PAVEMENT ELEVATIONS, GUTTER FLOW LINE OF CURB GUTTER (FL), BACK OF CURB ELEVATIONS (TC), TOP OF SIDEWALK (TW), AND FINISHED SURFACE GRADE, UNLESS OTHERWISE NOTED.
- ALL SLOPES SHALL BE GRADED TO 3:1 OR FLATTER, UNLESS OTHERWISE NOTED ON THE PLANS.
- INFILTRATION AREA SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES TO AVOID COMPACTION OF THE SOILS. IT IS RECOMMENDED THIS AREA BE FENCED OFF AND NOT UTILIZED FOR CONSTRUCTION STAGING, STOCKPILING MATERIALS, OR ANY OTHER CONSTRUCTION RELATED ACTIVITY. THE INFILTRATION AREA SHALL BE SHAPED TO FINAL GRADE AND ALL HEAVY CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED IN THE BASIN AFTER FINAL GRADE HAS BEEN ESTABLISHED.

DATE	REVISION DESCRIPTION	BY

DATE: MAY, 2022	AS SHOWN
SCALE: DRAWN BY: TMR	CHK BY: BFK
CHECKED BY:	
JOB NUMBER: 2019-12840	



EROSION CONTROL QUANTITIES*					
TYPE	AREA (YD²)	AREA (ACRES)	VOLUME (CU.YD)	EACH	LIN. FT.
CATEGORY 3 EROSION CONTROL BLANKET	3,555				
INLET PROTECTION				13	
SEED MIX 25-131		1.89			
TEMPORARY ROCK CONSTRUCTION ENTRANCE				1	
SILT FENCE					4,948
BIO-ROLL					0
RIPRAP			36		

* QUANTITIES ARE SUBJECT TO CHANGE BASED ON CONTRACTORS MEANS, METHODS, SEQUENCES, OR TECHNIQUES.

EROSION CONTROL PLAN NOTES

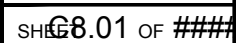
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- ALL CONSTRUCTION SHALL CONFORM TO LOCAL, STATE, AND FEDERAL REGULATIONS INCLUDING THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPPDES) PERMIT REQUIREMENTS.
- ALL SILT FENCE AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO ANY EXCAVATION/CONSTRUCTION AND SHALL BE MAINTAINED UNTIL VIABLE TURF OR GROUND COVER HAS BEEN ESTABLISHED. MAINTENANCE AND REMOVAL OF SEDIMENT CONTROL DEVICES SHALL BE INCIDENTAL TO THE GRADING CONTRACT.
- ALL STREETS UTILIZED FOR PROJECT CONSTRUCTION MUST BE CLEANED AT THE END OF EACH DAY. A ROCK ENTRANCE TO THE SITE MUST BE PROVIDED ACCORDING TO THE DETAILS TO REDUCE TRACKING OF SEDIMENT ONTO PUBLIC STREETS. STREET SWEEPING MAY BE NECESSARY AND WILL BE CONSIDERED INCIDENTAL.
- ALL EXPOSED SOILS MUST BE STABILIZED WITHIN 14 CALENDAR DAYS OF ROUGH GRADE COMPLETION OF AFTER CONSTRUCTION TERMINATES. ALL STOCKPILES SHALL HAVE ADEQUATE SEDIMENT TRAPPING SYSTEMS INSTALLED AROUND THEM.
- ALL AREAS TO BE ESTABLISHED TO GRASS COVER SHALL RECEIVE 4" OF TOPSOIL AND SOD OR SEED. THESE AREAS SHALL BE WATERED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
- INLET PROTECTION SHALL BE INSTALLED AT ALL STORM SEWER INLETS WHICH HAVE A POTENTIAL TO RECEIVE RUNOFF FROM THE CONSTRUCTION SITE.
- INFILTRATION AREA SHALL BE PROTECTED FROM CONSTRUCTION ACTIVITIES TO AVOID COMPACTION OF THE SOILS. IT IS RECOMMENDED THIS AREA BE FENCED OFF AND NOT UTILIZED FOR CONSTRUCTION STAGING, STOCKPILING MATERIALS, OR ANY OTHER CONSTRUCTION RELATED ACTIVITY. THE INFILTRATION AREA SHALL BE SHAPED TO FINAL GRADE AND ALL HEAVY CONSTRUCTION EQUIPMENT SHALL NOT BE ALLOWED IN THE BASIN.
- SEE PLAN LEGEND FOR A COMPLETE LEGEND OF HATCHES AND SYMBOLS USED FOR EROSION CONTROL.

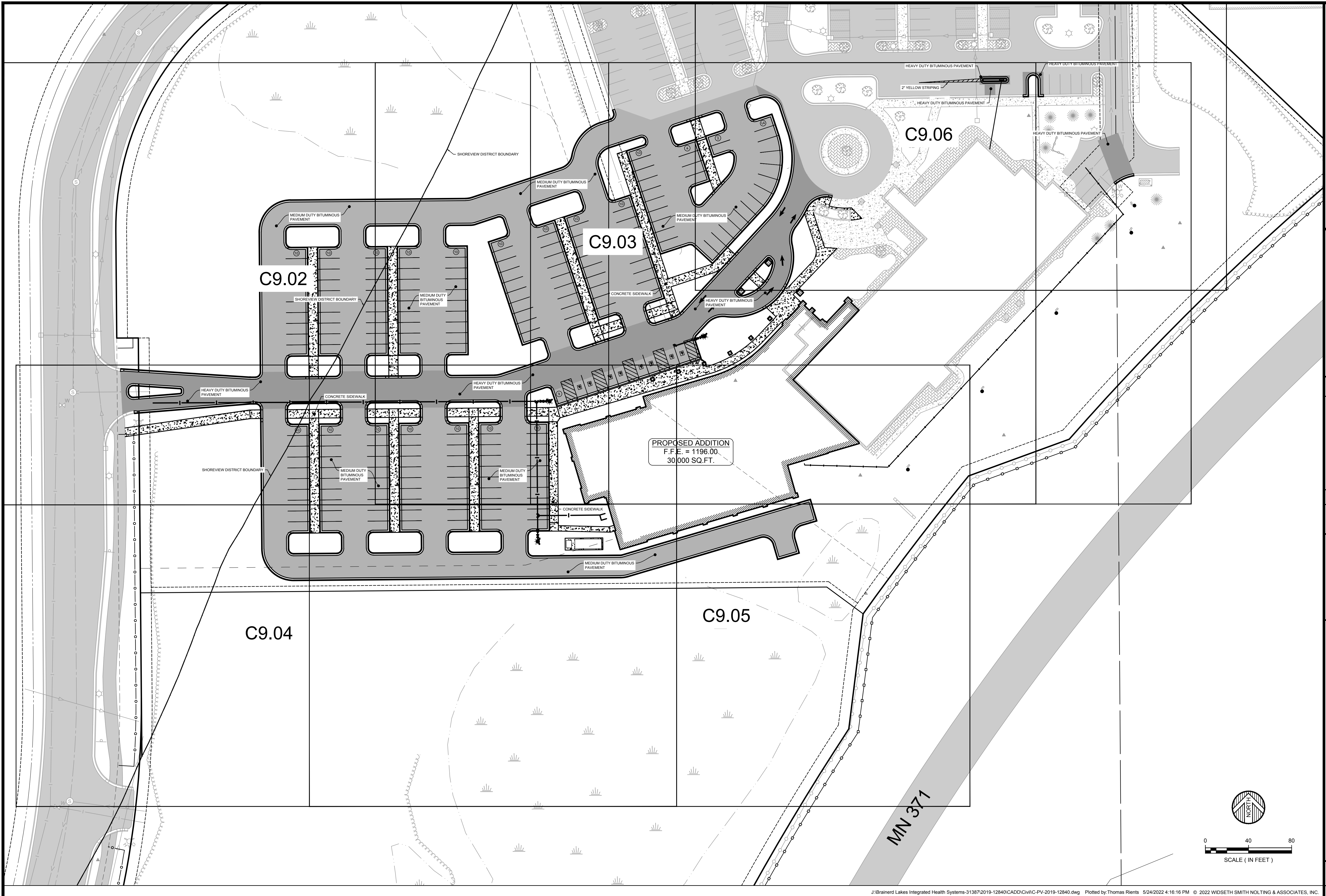
WIDSETH & ASSOCIATES, INC. HAS REVIEWED THIS PLAN SPECIFICATION OR REPORT AND HAS DETERMINED THAT IT MEETS THE REQUIREMENTS OF THE PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DATE: 05/24/2022 LIC. NO. 28817

DATE	REVISION DESCRIPTION	BY	DATE	REVISION DESCRIPTION	BY

DATE: MAY 2022	AS SHOWN
SCALE: TMR	BY: BFK
CHECKED BY:	
JOB NUMBER: 2019-12840	

ESSENTIAL HEALTH - BAXTER MUSCULOSKELETAL CLINIC
BRAINERD LAKES INTEGRATED HEALTH SYSTEMS
BAXTER, MN
OVERALL EROSION CONTROL PLAN

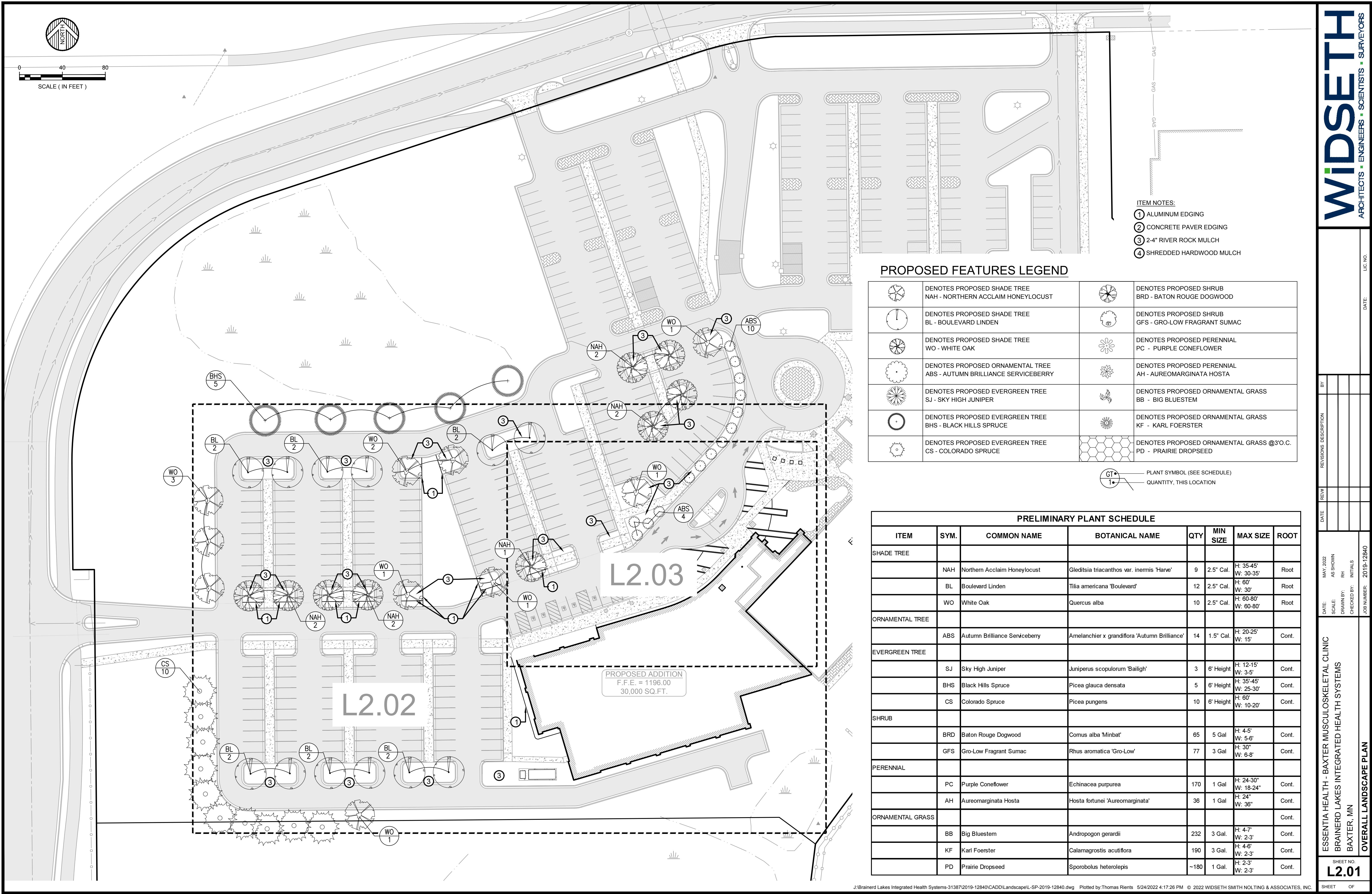




I HEREBY CERTIFY THAT I AM A SPECIFICALLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
Brian Kallio
BRIAN KALLIO
DATE: 05/24/2022 LIC. NO. 28817

DATE	REVISION DESCRIPTION	BY
MAY 2022		
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ESSENTIA HEALTH - BAXTER MUSCULOSKELETAL CLINIC
BRAINERD LAKES INTEGRATED HEALTH SYSTEMS
BAXTER, MN
OVERALL PAVING PLAN



PROPOSED FEATURES LEGEND

	DENOTES PROPOSED SHADE TREE NAH - NORTHERN ACCLAIM HONEYLOCUST		DENOTES PROPOSED SHRUB BRD - BATON ROUGE DOGWOOD
	DENOTES PROPOSED SHADE TREE BL - BOULEVARD LINDEN		DENOTES PROPOSED SHRUB GFS - GRO-LOW FRAGRANT SUMAC
	DENOTES PROPOSED SHADE TREE WO - WHITE OAK		DENOTES PROPOSED PERENNIAL PC - PURPLE CONEFLOWER
	DENOTES PROPOSED ORNAMENTAL TREE ABS - AUTUMN BRILLIANCE SERVICEBERRY		DENOTES PROPOSED PERENNIAL AH - AUREOMARGINATA HOSTA
	DENOTES PROPOSED EVERGREEN TREE SJ - SKY HIGH JUNIPER		DENOTES PROPOSED ORNAMENTAL GRASS BB - BIG BLUESTEM
	DENOTES PROPOSED EVERGREEN TREE BHS - BLACK HILLS SPRUCE		DENOTES PROPOSED ORNAMENTAL GRASS KF - KARL FOERSTER
	DENOTES PROPOSED EVERGREEN TREE CS - COLORADO SPRUCE		DENOTES PROPOSED ORNAMENTAL GRASS @3"O.C. PD - PRAIRIE DROPSEED

PRELIMINARY PLANT SCHEDULE

ITEM	SYM.	COMMON NAME	BOTANICAL NAME	QTY	MIN SIZE	MAX SIZE	ROOT
SHADE TREE							
	NAH	Northern Acclaim Honeylocust	Gleditsia triacanthos var. inermis 'Harve'	9	2.5" Cal.	H: 35-45' W: 30-35'	Root
	BL	Boulevard Linden	Tilia americana 'Boulevard'	12	2.5" Cal.	H: 60' W: 30'	Root
	WO	White Oak	Quercus alba	10	2.5" Cal.	H: 60-80' W: 60-80'	Root
ORNAMENTAL TREE							
	ABS	Autumn Brilliance Serviceberry	Amelanchier x grandiflora 'Autumn Brilliance'	14	1.5" Cal.	H: 20-25' W: 15'	Cont.
EVERGREEN TREE							
	SJ	Sky High Juniper	Juniperus scopulorum 'Bailligh'	3	6' Height	H: 12-15' W: 3-5'	Cont.
	BHS	Black Hills Spruce	Picea glauca densata	5	6' Height	H: 35-45' W: 25-30'	Cont.
	CS	Colorado Spruce	Picea pungens	10	6' Height	H: 60' W: 10-20'	Cont.
SHRUB							
	BRD	Baton Rouge Dogwood	Cornus alba 'Minbat'	65	5 Gal	H: 4-5' W: 5-6'	Cont.
	GFS	Gro-Low Fragrant Sumac	Rhus aromatica 'Gro-Low'	77	3 Gal	H: 30" W: 6-8"	Cont.
PERENNIAL							
	PC	Purple Coneflower	Echinacea purpurea	170	1 Gal	H: 24-30" W: 18-24"	Cont.
	AH	Aureomarginata Hosta	Hosta fortunei 'Aureomarginata'	36	1 Gal	H: 24" W: 36"	Cont.
ORNAMENTAL GRASS							
	BB	Big Bluestem	Andropogon gerardii	232	3 Gal.	H: 4-7' W: 2-3'	Cont.
	KF	Karl Foerster	Calamagrostis acutiflora	190	3 Gal.	H: 4-6' W: 2-3'	Cont.
	PD	Prairie Dropseed	Sporobolus heterolepis	~180	1 Gal.	H: 2-3' W: 2-3'	Cont.