

**CALEDONIA UTILITY DISTRICT
VILLAGE OF CALEDONIA
CLIENT PROJECT # 19C030.01**

CALEDONIA UTILITY DISTRICT - CALEDONIA, WI
EMERGENCY: 911

ANTHONY BUNKELMAN, P.E.
UTILITY DIRECTOR
VILLAGE OF CALEDONIA
5043 CHESTER LANE
RACINE, WI 53402
(262) 835-6416

BRYAN HEINZELMAN, P.E.
FOTH INFRASTRUCTURE & ENVIRONMENT, LLC
 7044 S. BALLPARK DRIVE
 FRANKLIN, WI 53132
 (414) 336-7935

IN: 5 MILE ROAD
FROM: 73' EAST OF NORTH POINTE DRIVE
TO: ERIE STREET

WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSED BY SUCH WORK.

THE CONTRACTOR IS REQUIRED TO UTILIZE THE UTILITY ONE-CALL SERVICE AT (800) 292-8989 AT LEAST 48 HOURS PRIOR TO EXCAVATING ANYWHERE ON THE PROJECT. THE CONTRACTOR MUST ALSO CONTACT THE AIRPORT AND THE FAA AT LEAST 48 HOURS IN ADVANCE FOR LOCATES.

UTILITY CONFLICTS DISCOVERED DURING CONSTRUCTION WILL BE ADDRESSED AT THE TIME OF DISCOVERY.

An aerial photograph of a residential area. A black line is drawn across the image, starting from the left edge, passing through a row of houses, and then turning right to follow a path or boundary. The area includes houses, trees, and open land.



NOT TO SCALE

A map of Wisconsin with its county boundaries outlined. A north arrow is located in the bottom left corner. A black dot is placed in the southeast corner of the state, representing the location of the study area.



NOT TO SCALE






















STATE: WISCONSIN COUNTY: RACINE

[illegible]




CABLE TV

	EXISTING	DEMO/REMOVAL	PROPOSED
CABLE TELEVISION - BURIED			
CABLE TELEVISION - OVERHEAD			
CABLE TELEVISION - EQUIPMENT			
CABLE TELEVISION - PEDESTAL			

ELECTRIC

	EXISTING	DEMO/REMOVAL	PROPOSED
ELECTRICAL - EQUIPMENT			
ELECTRICAL - GROUND - RECEPTACLE			
ELECTRICAL - GROUND - ROD			
ELECTRICAL - JUNCTION BOX			
ELECTRICAL - LIGHT FIXTURE			
ELECTRICAL - LIGHT HANDHOLE			
ELECTRICAL - LIGHT REFLECTOR			
ELECTRICAL - SIGN			
ELECTRICAL - SIGN - LEGEND			
ELECTRICAL - OVERHEAD CABLE			
ELECTRICAL - PAVEMENT SENSOR			
ELECTRICAL - PEDESTAL			
ELECTRICAL - POLE			
ELECTRICAL - TANK			
ELECTRICAL - TOWER			
ED-TELE-JBOX			
ELECTRICAL - UNDERGROUND CABLE			
ELECTRICAL - UNDERGROUND DUCT			
ELECTRICAL - HANDHOLE			
ELECTRICAL - JUNCTION CAN PLAZA			
ELECTRICAL - UNDERGROUND SENSOR			
ELECTRICAL - UNDERGROUND STRUCTURE			
ELECTRICAL - TRANSFORMER ENCLOSURE			












FIBER OPTIC

	EXISTING	DEMO/REMOVAL	PROPOSED
FIBER OPTIC - JUNCTION BOX			
FIBER OPTIC - UNDERGROUND CABLE			










FUEL

	EXISTING	DEMO/REMOVAL	PROPOSED
FUEL			













MISCELLANEOUS UTILITY

	EXISTING	DEMO/REMOVAL	PROPOSED
PIPE ENCASEMENT			
MISCELLANEOUS UTILITY - OVERHEAD CABLE			
MISCELLANEOUS UTILITY - GUY ANCHOR			
MISCELLANEOUS UTILITY - GUY POLE			
MISCELLANEOUS UTILITY			
MISCELLANEOUS UTILITY - MANHOLE			
MISCELLANEOUS UTILITY - POLE			

NATURAL GAS

	EXISTING	DEMO/REMOVAL	PROPOSED
NATURAL GAS - APPURTENANCE			
NATURAL GAS - PIPE CENTERLINE (PLAN)			
NATURAL GAS - HIGH PRESSURE (PLAN)			
NATURAL GAS - PATTERN			
NATURAL GAS - PIPE MAIN			
NATURAL GAS - PIPE SERVICE			
NATURAL GAS - STRUCTURE			
NATURAL GAS - VENT			













SANITARY SEWER

	EXISTING	DEMO/REMOVAL	PROPOSED
SANITARY SEWER - ABANDONED			
SANITARY SEWER - APPURTENANCE			
SANITARY SEWER - PIPE CENTERLINE (PLAN)			
SANITARY SEWER - PIPE LINING			
SANITARY SEWER - CLEANOUT			
SANITARY SEWER - FITTING			
SANITARY SEWER - FORCEMAIN			
SANITARY SEWER - LIFT STATION			
SANITARY SEWER - PATTERN			
SANITARY SEWER - PIPE WALL			
SANITARY SEWER - SERVICE LATERAL			
SANITARY SEWER - STRUCTURE			
SANITARY SEWER - STRUCTURE ABANDONED			
SANITARY SEWER - STRUCTURE LINING			
SANITARY SEWER - STRUCTURE PATTERN			
SANITARY SEWER - TUNNEL			
SANITARY SEWER - TUNNEL PATTERN			
SANITARY SEWER (PROFILE) LENGTH-DIA. MATERIAL @ GRADE			










STEAM

	EXISTING	DEMO/REMOVAL	PROPOSED










STORM SEWER

	EXISTING	DEMO/REMOVAL	PROPOSED
STORM SEWER - ABANDONED			
STORM SEWER - PIPE CENTERLINE (PLAN)			
STORM SEWER - CULVERT			
STORM SEWER - INLET OR CATCH BASIN			
STORM SEWER - INTAKE			
STORM SEWER - LIFT STATION			
STORM SEWER - PATTERN			
STORM SEWER - PIPE			
STORM SEWER - SERVICE LATERAL			
STORM SEWER - STRUCTURE			
STORM SEWER - STRUCTURE ABANDON			
STORM SEWER - FLARED END SECTION			
STORM SEWER - STRUCTURE PATTERN			
STORM SEWER (PROFILE) LENGTH-DIA. MATERIAL @ GRADE			
















TELEPHONE

	EXISTING	DEMO/REMOVAL	PROPOSED
TELEPHONE - JUNCTION BOX			
TELEPHONE - OVERHEAD CABLE			
TELEPHONE - PEDESTAL			
TELEPHONE - STRUCTURE			
TELEPHONE - SWITCH			
TELEPHONE - UNDERGROUND CABLE			

TRAFFIC SIGNALING

	EXISTING	DEMO/REMOVAL	PROPOSED
TRAFFIC SIGNAL			
TRAFFIC SIGNAL - EQUIPMENT			
TRAFFIC SIGNAL - JUNCTION BOX			
TRAFFIC SIGNAL - LIGHT			
TRAFFIC SIGNAL - STRUCTURE			
TRAFFIC SIGNAL - UNDERGROUND LOOP			


WATER SERVICE

	EXISTING	DEMO/REMOVAL	PROPOSED
WATER - APPURTENANCE			
WATER - APPURTENANCE - PATTERN			
WATER - PIPE CENTERLINE			
WATER - EQUIPMENT			
WATER - FITTING			
WATER - FITTING - PATTERN			
WATER - HYDRANT			
WATER - IRRIGATION			
WATER - PATTERN			
WATER - PIPE			
WATER - STRUCTURE			
WATER - STRUCTURE - PATTERN			
WATER - VALVE			
WATER - WELL			
WATER - PROFILE			







TELECOMMUNICATIONS - MISC

	EXISTING	DEMO/REMOVAL	PROPOSED
TELECOM - MISCELLANEOUS			
TELECOM - MISCELLANEOUS - JUNCTION BOX			
TELECOM - MISCELLANEOUS - STRUCTURE			

CONTOURS AND TINN

	EXISTING	PROPOSED
CONTOUR - MAJOR		
CONTOUR - MAJOR - IDENTIFIER		
CONTOUR - MINOR		
CONTOUR - MINOR - DEPRESSION		
CONTOUR - MINOR - IDENTIFIER		
TRIANGULATED IRREGULAR NETWORK		
TRIANGULATED IRREGULAR NETWORK - BOUNDARY		
TRIANGULATED IRREGULAR NETWORK - BREAKLINE		
TRIANGULATED IRREGULAR NETWORK - BOTTOM OF SLOPE		
TRIANGULATED IRREGULAR NETWORK - DIRECTIONS		
TRIANGULATED IRREGULAR NETWORK - ELEVATIONS		
TRIANGULATED IRREGULAR NETWORK - GRID		
TRIANGULATED IRREGULAR NETWORK - POINTS		
TRIANGULATED IRREGULAR NETWORK - SLOPES		
TRIANGULATED IRREGULAR NETWORK - TRIANGLE		
TRIANGULATED IRREGULAR NETWORK - TOP OF SLOPE		
TRIANGULATED IRREGULAR NETWORK - USER OBJECT		
TRIANGULATED IRREGULAR NETWORK - WATERSHED		
VOLUME SURFACE - CUT		
VOLUME SURFACE - FILL		





BOUNDARY

	EXISTING	DEMO/REMOVAL	PROPOSED
BOUNDARY - CORPORATION			
BOUNDARY - TOWNSHIP			
LIMITS OF CONSTRUCTION - TYPE 1			
LIMITS OF CONSTRUCTION - TYPE 2			
LIMITS OF CONSTRUCTION - TYPE 3			
LIMITS OF CONSTRUCTION - TYPE 4			
LIMITS OF CONSTRUCTION - TYPE 5			
LIMITS OF CONSTRUCTION - TYPE 6			





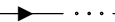
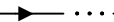
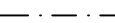
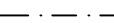






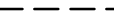













BRIDGE

	EXISTING	DEMO/REMOVAL	PROPOSED
BRIDGE - GENERAL			
BRIDGE - ABUTMENT			
BRIDGE - TOP OF BENT			
BRIDGE - CENTERLINE			
BRIDGE - CONTROL JOINT			
BRIDGE - DECK			
BRIDGE - GUARDRAIL			
BRIDGE - HIDDEN			
BRIDGE - OBJECT			
BRIDGE - OVERHEAD			

CONTROL

	EXISTING	DEMO/REMOVAL	PROPOSED
CONTROL - GENERAL			
CONTROL - IRON ROD			
CONTROL - PIPE			
CONTROL - REBAR			

DRAINAGE

	EXISTING	DEMO/REMOVAL	PROPOSED
DRAINAGE - DITCH - CENTERLINE			
DRAINAGE - DITCH - EDGE OF WATER			
DRAINAGE - FLOW			
DRAINAGE - POND EDGE			
DRAINAGE - TILE DRAIN			
DRAINAGE - TRACED FLOW			
CULVERT			
DRAINAGE - ARROW			
DRAINAGE - BASIN			
DRAINAGE - BASIN - POST DEVELOPMENT 1A			
DRAINAGE - BASIN - POST DEVELOPMENT 2A			
DRAINAGE - BASIN - POST DEVELOPMENT 3A			
DRAINAGE - BASIN - POST DEVELOPMENT 4A			
DRAINAGE - BASIN - POST DEVELOPMENT 5A			
DRAINAGE - BASIN - POST DEVELOPMENT - TIME OF CONCENTRATION			
DRAINAGE - BASIN - PRE DEVELOPMENT 1A			
DRAINAGE - BASIN - PRE DEVELOPMENT 2A			
DRAINAGE - BASIN - PRE DEVELOPMENT 3A			
DRAINAGE - BASIN - PRE DEVELOPMENT 4A			
DRAINAGE - BASIN - PRE DEVELOPMENT 5A			
DRAINAGE - BASIN - PRE DEVELOPMENT - TIME OF CONCENTRATION			
CI-DRAN-BASN-USLE			

DRIVEWAY

	EXISTING	DEMO/REMOVAL	PROPOSED
DRIVEWAY - ASPHALT EDGE			
DRIVEWAY - ASPHALT OUTLINE			
DRIVEWAY - ASPHALT CENTERLINE			
DRIVEWAY - CONCRETE EDGE			
DRIVEWAY - CONCRETE OUTLINE			
DRIVEWAY - GRAVEL EDGE			
DRIVEWAY - GRAVEL OUTLINE			
DRIVEWAY - ASPHALT PATTERN			
DRIVEWAY - CONCRETE PATTERN			
DRIVEWAY - GRAVEL PATTERN			

EASEMENT

	EXISTING	DEMO/REMOVAL	PROPOSED
EASEMENT - PERMANENT			
EASEMENT - TEMPORARY			

CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
LETTING DATE: CAD DATE: 4/13/2021 7:53:33 AM

NO	DATE	BY	REVISION DESCRIPTION
1			
2			
3			



TID 5 SANITARY SEWER AND
WATER MAIN IMPROVEMENTS
VILLAGE OF CALEDONIA, WISCONSIN

CIVIL STANDARDS
SYMBOLGY AND ABBREVIATIONS

SHEET NO.
G1.02

EROSION CONTROL

	EXISTING	DEMO/REMOVAL	PROPOSED
EROSION CONTROL - WATTLE OR DITCH CHECK			
EROSION CONTROL - SILT FENCE			
EROSION CONTROL - CONSTRUCTION ENTRANCE			
EROSION CONTROL - CONSTRUCTION ENTRANCE SYMBOL			
RESTORATION TYPE 1			
RESTORATION TYPE 2			
RESTORATION TYPE 3			
RESTORATION TYPE 4			
RESTORATION TYPE 5			
WETLAND DISTURBED AREA			
RIVER DISTURBED AREA			

MISCELLANEOUS

	EXISTING	DEMO/REMOVAL	PROPOSED
--	----------	--------------	----------

PARKING LOTS

	EXISTING	DEMO/REMOVAL	PROPOSED
--	----------	--------------	----------

PLANTINGS

	EXISTING	DEMO/REMOVAL	PROPOSED
PLANTING - BUSH			
L-PLNT-CONF			
L-PLNT-DECD			
PLANTING - EDGE			
PLANTING - EVERGREEN			
PLANTING - GROUND COVER VEGETATION			
PLANTING - SHRUB			
PLANTING - STUMP			
PLANTING - TREE			
PLANTING - TREE LINE			

PROPERTY

	EXISTING	DEMO/REMOVAL	PROPOSED
PROPERTY - LOTLINE			
PROPERTY - PARCEL			
PROPERTY - PATTERN			
PROPERTY - PROPERTY			
PROPERTY - QUARTER SECTION			
PROPERTY - RIGHT OF WAY			
PROPERTY - RIGHT OF WAY MARKER			
PROPERTY - SETBACK			
PROPERTY - SECTION LINE			

RAILROAD

	EXISTING	DEMO/REMOVAL	PROPOSED
RAILROAD - CONTROL BOX			
RAILROAD - CENTERLINE OF TRACKS			
RAILROAD - SIGNAL			
RAILROAD - TRACK (RAIL)			

RIVERS AND STREAMS AND LAKES

	EXISTING	DEMO/REMOVAL	PROPOSED
--	----------	--------------	----------

ROADWAY

	EXISTING	DEMO/REMOVAL	PROPOSED
RIVER OR STREAM - EDGE OF WATER			
ROADWAY - ASPHALT EDGE			
ROADWAY - ASPHALT OUTLINE			
ROADWAY - ASPHALT PATTERN			
ROADWAY - ASPHALT SHOULDER			
ROADWAY - ASSEMBLY			
ROADWAY - ASSEMBLY BASLINE			
ROADWAY - ASSEMBLY OFFSET			
ROADWAY - TRAFFIC CONTROL BARREL			
ROADWAY - CENTERLINE			
ROADWAY - CONCRETE EDGE			
ROADWAY - CONCRETE OUTLINE			
ROADWAY - CONCRETE PATTERN			
ROADWAY - CORRIDOR			
ROADWAY - CORRIDOR BOUNDARY			
ROADWAY - CORRIDOR LINK			
ROADWAY - CORRIDOR PATTERN			
ROADWAY - CORRIDOR SHAPE			
ROADWAY - CROWN			
ROADWAY - CURB BACK			
ROADWAY - CURB FACE			
ROADWAY - CURVE			
ROADWAY - GUARDRAIL			
ROADWAY - GRAVEL EDGE			
ROADWAY - GRAVEL OUTLINE			
ROADWAY - GRAVEL PATTERN			
ROADWAY - GRAVEL SHOULDER			
ROADWAY - GUTTER			
ROADWAY - JOINTS			
ROADWAY - METER			
ROADWAY - MARKING CENTER			
ROADWAY - MARKING EDGE			
ROADWAY - MARKING LANE			
ROADWAY - MARKING PATTERN			
ROADWAY - MARKING SYMBOL			
ROADWAY - SHOULDER			
ROADWAY - SIGN			
ROADWAY - SLOPE INTERCEPT			
ROADWAY - WHEELSTOP			

SUBDRAIN

	EXISTING	DEMO/REMOVAL	PROPOSED
SUBDRAIN - GENERAL			
SUBDRAIN - CLEANOUT			
SUBDRAIN - OUTLET			
SUBDRAIN - PIPE			

SITE TOPO

	EXISTING	DEMO/REMOVAL	PROPOSED
SITE - ASPHALT SLAB			
SITE - BUILDING FOUNDATION			
SITE - BUILDING OUTLINE			
SITE - BUILDING PATTERN			
SITE - BUILDING RUINS			
SITE - BOLLARD			
SITE - CONCRETE PATTERN			
SITE - CONCRETE SLAB			
SITE - EQUIPMENT GUARD			
SITE - FENCE - BARBED WIRE			
SITE - FENCE - CHAIN LINK			
SITE - FENCE - FIELD			
SITE - FENCE - WOOD			
SITE - GATE			
SITE - GRADING LIMITS			
SITE - GRADING - RIPRAP BOUNDARY			
SITE - GRADING - RIPRAP PATTERN			
SITE - LIGHT			
SITE - MAILBOX			
SITE - MISCELLANEOUS			
SITE - MISCELLANEOUS LINE			
SITE - POINTS - GROUND			
SITE - FLAG			
SITE - GUYWIRE			
SITE - BOULDER			
SITE - SEPTIC TANK			
SITE - SIGN			
SITE - SPOT ELEVATION			
SITE - STOCKPILE - TOPSOIL			
SITE - TRENCH DAM			
SITE - TERRACE			
SITE - TRAIL			
SITE - TURF			
SITE - WALL			
SITE RETAINING WALL			

TOPOGRAPHY - GENERAL

	EXISTING	DEMO/REMOVAL	PROPOSED
GEOTECHNICAL - SOILS BOUNDARY			
GEOTECHNICAL - SOIL BORING			
TOPOGRAPHY - GENERAL			
TOPOGRAPHY - GRADING			
TOPOGRAPHY - GRADING - BOTTOM OF SLOPE			
TOPOGRAPHY - GRADING - CUT			
TOPOGRAPHY - GRADING - FEATURE			
TOPOGRAPHY - GRADING - FILL			
TOPOGRAPHY - GRADING - GRID			
TOPOGRAPHY - GRADING - TOP OF SLOPE			

WETLANDS

	EXISTING	DEMO/REMOVAL	PROPOSED
WETLAND - BOUNDARY			
WETLAND - PATTERN			

SIDEWALK

	EXISTING	DEMO/REMOVAL	PROPOSED
SIDEWALK			

PROFILE

	EXISTING	DEMO/REMOVAL	PROPOSED
C-PROF-DTCH			
C-PROF-GRAD			
C-PROF-GRAD-EXTN			
C-PROF-GRAD-PATT			
C-PROF-GRAD-INGT			
C-PROF-NGAS			
C-PROF-NGAS-COLR			
C-PROF-NGAS-PATT			
C-PROF-NGAS-STRC			
C-PROF-ROAD			
CH-PROF-ROAD-ASMC			
CH-PROF-ROAD-AXIS			
CH-PROF-ROAD-CURV			
C-PROF-ROAD-EXTN			
C-PROF-ROAD-OFLT			
C-PROF-ROAD-OFRT			
CH-PROF-ROAD-PARB			
CH-PROF-ROAD-PNTS			
CH-PROF-ROAD-PROJ			
C-PROF-SSWR			
CH-PROF-SSWR-LING			
C-PROF-SSWR-PATT			
C-PROF-SSWR-STRC			
C-PROF-STRM			
C-PROF-STRM-PATT			
C-PROF-STRM-STRC			
C-PROF-UTIL			
C-PROF-UTIL-CASE			
C-PROF-UTIL-MISC			
C-PROF-WATR			
C-PROF-WATR-PATT			
C-PROF-WATR-STRC			

DEMOLITION AND REMOVAL

CH-PAVT-SAWX			
CD-PATI-BFIL			TRENCH BACKFILL IN SECTION PATTERN: HONEY SCALE: 10
CD-ANNO-LINE-SINE			
CD-ANNO-LINE-X-~~~			
CD-ANNO-PATT			
MILLING AND OVERLAY			
CD-PATT-MIL1	MILLING/OVERLAY - VARIABLE DEPTH 1 PATTERN: AN513 SCALE: 10		
CD-PATT-MIL2	MILLING/OVERLAY - VARIABLE DEPTH 2 PATTERN: AN517 SCALE: 10		
CD-PATT-MIL3	MILLING/OVERLAY - VARIABLE DEPTH 3 PATTERN: AN513 SCALE: 10 ANGLE: 90		
CD-PATT-MIL4	MILLING/OVERLAY - VARIABLE DEPTH 4 PATTERN: AN513 SCALE: 10 ANGLE: 90		
CD-PATT-MIL5	MILLING/OVERLAY - VARIABLE DEPTH 5 PATTERN: NE3 SCALE: 10		
CD-ANNO-BNDY			
CD-ANNO-PATT	REMOVAL - GENERAL PATTERN: AN501 SCALE: 10		

CROSS SECTION

	EXISTING	DEMO/REMOVAL	PROPOSED
CROSS SECTION - ASPHALT			
CROSS SECTION - BASE RBINFORCED			
CROSS SECTION - CONCRETE			
CROSS SECTION - CORRIDOR			
CROSS SECTION - DATUM			
CROSS SECTION - ELEVATION			
CROSS SECTION - EASEMENT			
CROSS SECTION - EARTHWORK UNSUITABLE A			
CROSS SECTION - EARTHWORK UNSUITABLE B			
CROSS SECTION - EARTHWORK UNSUITABLE C			
CROSS SECTION - EARTHWORK WASTE			
CROSS SECTION - GRADING			
CROSS SECTION - GRADING - POINTS			
CROSS SECTION - NATURAL GAS			
CROSS SECTION - ROAD			
CROSS SECTION - SLOPE			
CROSS SECTION - SIDE SLOPE			
CROSS SECTION - SANITARY SEWER			
CROSS SECTION - STORM SEWER			
CROSS SECTION - SUBBASE			
CROSS SECTION - SUBBASE - STABILIZED			
CROSS SECTION - SUBGRADE			
CROSS SECTION - SUBGRADE PREP			
CROSS SECTION - SUBGRADE TREATMENT			
CROSS SECTION - TOPSOIL PLACEMENT			
CROSS SECTION - VIEW			
CROSS SECTION - WATER			

PHASING AND STAGING

	EXISTING	DEMO/REMOVAL	PROPOSED	DEMO/REMOVAL
STAGING				
STAGING - PATH				
STAGING - PATTERN 1		PHASING/STAGING 1 PATTERN: AN511 SCALE: 10		
STAGING - PATTERN 2		PHASING/STAGING 2 PATTERN: AN517 SCALE: 10		
STAGING - PATTERN 3		PHASING/STAGING 3 PATTERN: AN511 SCALE: 10 ANGLE: 90		
STAGING - PATTERN 4		PHASING/STAGING 4 PATTERN: AN513 SCALE: 10		
STAGING - PATTERN 5		PHASING/STAGING 5 PATTERN: NE3 SCALE: 10		

ALIGNMENT

	EXISTING	PROPOSED
ALIGNMENT - CURVE		
ALIGNMENT - EXTENSION		
ALIGNMENT - NATURAL GAS		
ALIGNMENT - OFFSET		
ALIGNMENT - ROAD		
ALIGNMENT - SAMPLE LINE		
ALIGNMENT - SANITARY SEWER		
ALIGNMENT - STATION MAJOR		
ALIGNMENT - STATION MINOR		
ALIGNMENT - STORM SEWER		
ALIGNMENT - SYMBOL		
ALIGNMENT - TICK		
ALIGNMENT - WATER		
ANNOTATION - GENERAL OBJECT HATCH	OBJECT HATCH PATTERN: DOTS SCALE: 7.5	

BARRIERS

	EXISTING	PROPOSED
BARRIER - JERSEY TYPE		

LIST OF STANDARD ABBREVIATIONS

△	CENTRAL ANGLE OR DELTA	MH	MANHOLE
ADT	AVERAGE DAILY TRAFFIC	MP	MARKER POST
AGGR	AGGREGATE	MW	METER-WATER OR MONITORING WELL
AH	AHEAD	N	NORTH
ASPH	ASPHALT	NB	NORTHBOUND
B/B	BACK TO BACK	NC	NORMAL CROWN
BARR	BARRICADE	NE	NORTHEAST
BOC	BACK OF CURB	NO	NUMBER
BK	BACK	NTS	NOT TO SCALE
BLDG	BUILDING	NW	NORTHWEST
BM	BENCH MARK	O	OIL
BSMT	BASEMENT	O&C	OIL & CHIP
C	CUT	OBLIT	OBLITERATE
C&G	CURB AND GUTTER	OD	OUTSIDE DIAMETER
C/C	CENTER TO CENTER	PC	POINT OF CURVATURE
CABC	CRUSHED AGGREGATE BASE COURSE	PCC	POINT OF COMPOUND CURVE
CB	CATCH BASIN	PED	PEDESTAL
CE	CONSTRUCTION ENTRANCE	PLE	PERMANENT LIMITED EASEMENT
CIP	CAST IRON PIPE	PVMT	PAVEMENT
CL	CENTERLINE	PCC	PORTLAND CEMENT CONCRETE
CMP	CORRUGATED METAL PIPE	PE	PRIVATE ENTRANCE
CNTY	COUNTY	PI	POINT OF INTERSECTION
CO	CLEAN OUT	PJF	PRE-FORMED JOINT FILLER
CONC	CONCRETE	PL	PROPERTY LINE
CONSTR	CONSTRUCTION	POC	POINT OF CURVE
CONSTR JT	CONSTRUCTION JOINT	POT	POINT ON TANGENT
CP	CONTROL POINT	PP	POWER POLE
CTH	COUNTY TRUNK HIGHWAY	PRC URE	POINT OF REVERSE CURVATURE
CTRL JT	CONTROL JOINT	PROJ	PROJECT
CTV	CABLE TV	PROP	PROPOSED
CU YD	CUBIC YARD	PSI	POUND PER SQUARE INCH
CS	CURB STOP	PT	POINT OF TANGENCY
D	DEGREE OF CURVE	PVC	POLYVINYL CHLORIDE
DD	DIRECTIONAL DRILLED	PVC	OR POINT OF VERTICAL CURVATURE
DEG	DEGREE	PVI	POINT OF VERTICAL INTERSECTION
DIA	DIAMETER	PVRC	POINT OF VERTICAL REVERSE CURVE
DI	DUCTILE IRON PIPE	PVT	POINT OF VERTICAL TANGENCY
DISCH	DISCHARGE	R	RANGE OR RADIUS
DW	DRIVEWAY	RCP	REINFORCED CONCRETE PIPE
E	EAST	REBAR	REINFORCEMENT BAR
EA	EACH	REL	RELOCATE
EB	EAST BOUND	REM	REMAINING
EBS	EXCAVATION BELOW SUBGRADE	REQD	REQUIRED
ECS	EXTERNAL CHIMNEY SEAL	RL	REFERENCE LINE
EL	ELEVATION	ROW	RIGHT-OF-WAY
ELEC	ELECTRIC (E WHEN USED IN LINE STYLE)	RP	REFERENCE POINT
EMB	EMBANKMENT	RR	RAILROAD
ENR	ENTRANCE	RT	RIGHT
EP	EDGE OF PAVEMENT	RW	RETAINING WALL
ET	ELECTRIC TRANSFORMER	S	SOUTH
EW	ENDWALL	SALV	SALVAGE
EXC	EXCAVATION	SAN	SANITARY
EXIST	EXISTING	SC	STORM CONNECTION
F	FILL	SB	SOUTHBOUND
F/F	FACE TO FACE	SDWK	SIDEWALK
FDN	FOUNDATION	SE	SOUTHEAST
FE	FIELD ENTRANCE	SF	SILT FENCE
FERT	FERTILIZER	SIG	SIGNAL
FH	FIRE HYDRANT	SL	SANITARY LATERAL
FIN GR	FINISHED GRADE	SQ FT	SQUARE FEET
FL	FLOW LINE	SHLDR	SHOULDER
FM	FORCE MAIN	SQ YD	SQUARE YARD
FO	FIBER OPTIC	SSD	STOPPING SIGHT DISTANCE
FT	FOOT	STA	STATION
FTG	FOOTING	STD	STANDARD
G	GAS	STH	STATE TRUNK HIGHWAY
GV	GAS VALVE	STM	STORM OR STORM SEWER
GW	GUY WIRE	STP	SEWAGE TREATMENT PLANT
HDPE	HIGH DENSITY POLYETHYLENE	STRUCT	STRUCTURE OR STRUCTURAL
HORIZ	HORIZONTAL	SW	SOUTHWEST
HR	HANDICAP RAMP	TAN	TANGENT
HSE	HOUSE	T	TOWN (T WHEN USED FOR TELEPHONE LINE)
HT	HEIGHT	TEL	TELEPHONE
I	INTERSECTION ANGLE	TEMP	TEMPORARY
ICS	INTERNAL CHIMNEY SEAL	TLE	TEMPORARY LIMITED EASEMENT
ID	INSIDE DIAMETER	TOC	TOP OF CURB
IN	INCH	TRANS	TRANSITION
INL	INLET	TYP	TYPICAL
INTERS	INTERSECTION	UG	UNDERGROUND
INV	INVERT	USH	US HIGHWAY
IP	IRON PIPE OR PIN	VC	VERTICAL CURVE
JCT	JUNCTION	VERT	VERTICAL
L	LENGTH (OF CURVE)	VOL	VOLUME
LC	LONG CHORD OF CURVE	W	WEST
LP	LIGHT POLE	WB	WESTBOUND
LS	LIFT STATION OR LUMP SUM	WM	WATER MAIN
LT	LEFT	WS	WATER SERVICE
MAINT	MAINTENANCE	WTP	WATER TREATMENT PLANT
MATL	MATERIAL	WV	WATER VALVE
MB	MAILBOX	WWTP	WASTE WATER TREATMENT PLANT
MG	METER-GAS	YD	YARD

CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
LETTING DATE: CAD DATE: 4/13/2021 7:51:56 AM

NO	DATE	BY	REVISION DESCRIPTION
△			
△			
△			



TID 5 SANITARY SEWER AND
WATER MAIN IMPROVEMENTS
VILLAGE OF CALEDONIA, WISCONSIN

CIVIL STANDARDS
SYMBOLGY AND ABBREVIATIONS

SHEET NO.

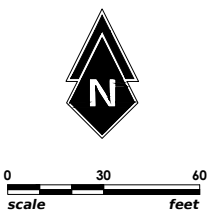
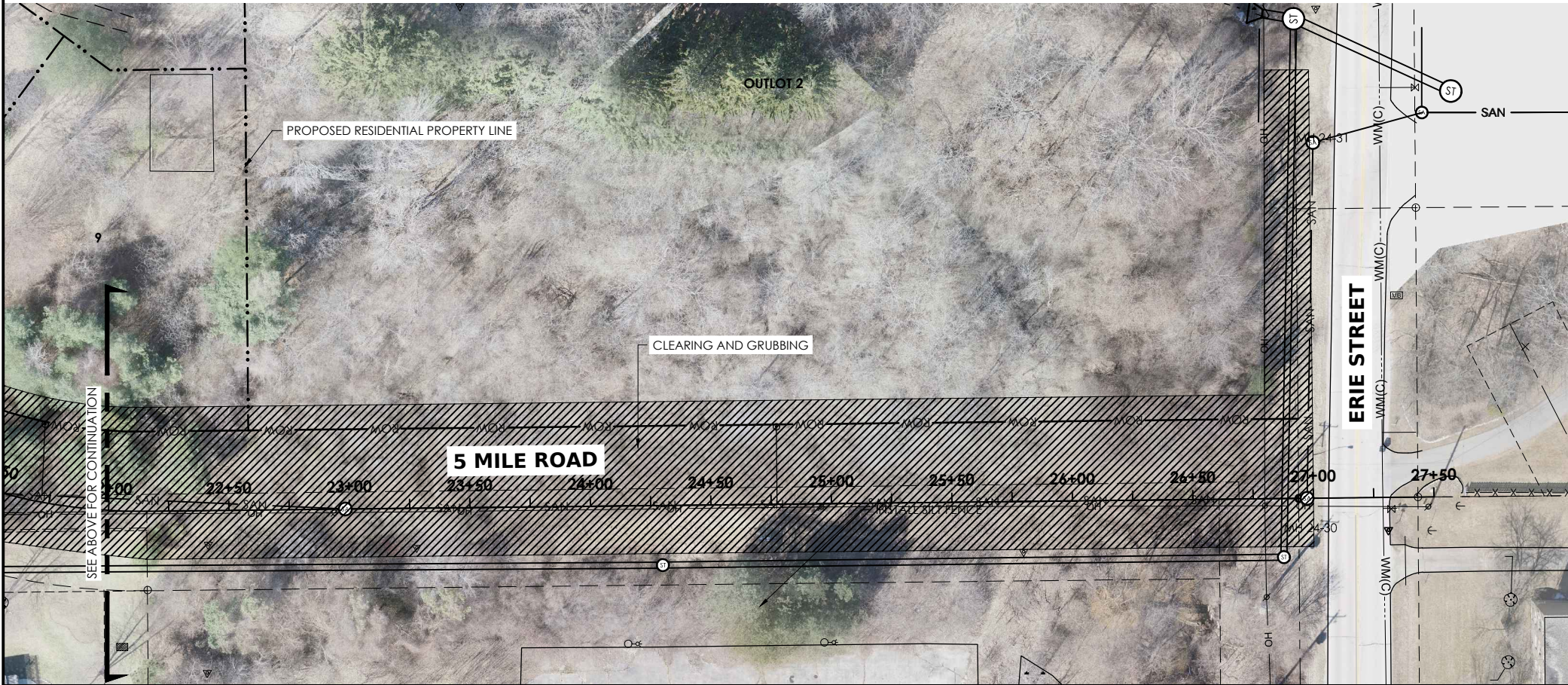
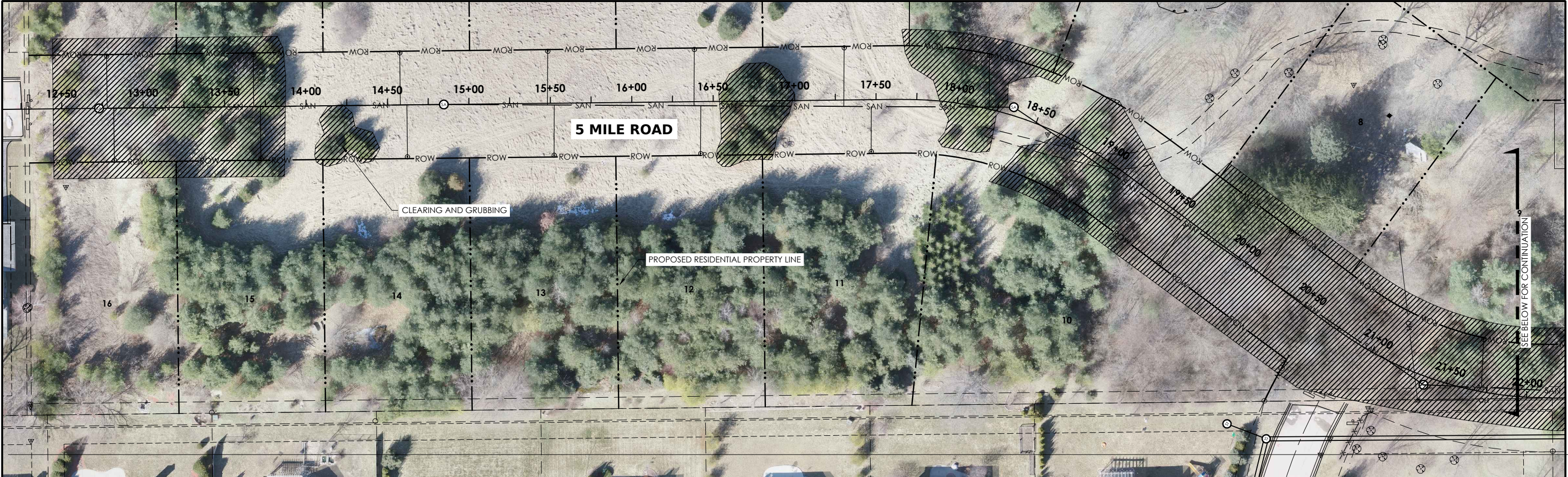
G1.04

GENERAL PROJECT NOTES	
CONSTRUCTION SEQUENCE	
1.	A PRECONSTRUCTION MEETING MUST BE HELD BEFORE ANY CONSTRUCTION ACTIVITIES TAKE PLACE.
2.	THE CONTRACTOR IS REQUIRED TO NOTIFY THE DNR OF ALL OFFSITE DISPOSAL LOCATIONS, INCLUDING ESTIMATED QUANTITIES, PRIOR TO EXPORTING MATERIAL FROM THE SITE.
3.	ONCE CONSTRUCTION BEGINS CONTINUOUS PROGRESS MUST BE MADE UNTIL SUBSTANTIAL COMPLETION HAS BEEN OBTAINED.
4.	CONTRACTOR SHALL INSTALL EROSION CONTROLS AT LOCATIONS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER BEFORE ANY GRADING ACTIVITIES TAKE PLACE.
5.	CONTRACTOR SHALL INSTALL ALL TRAFFIC CONTROL AND ACCESS CONSTRUCTION WORK AREAS AS SHOWN.
6.	TRAFFIC WILL BE MAINTAINED AT ALL TIMES.
7.	CONTRACTOR SHALL STRIP / SALVAGE, STOCKPILE PRIOR TO CONSTRUCTION AND RESPREAD TO EXISTING TOPSOIL DEPTHS.
8.	CONTRACTOR SHALL INSTALL DRIVEWAY CULVERTS AND RE-INSTALL ANY STORM SEWER DISTURBED DURING CONSTRUCTION.
9.	RESTORATION SHALL BE COMPLETED PROMPTLY FOLLOWING APPROVED PIPE INSTALLATION AND BACKFILL OPERATIONS.
10.	EROSION CONTROL DEVICES SHALL BE REMOVED AFTER VEGETATION IS ESTABLISHED.
GENERAL NOTES	
1.	CONTRACTOR SHALL NOT DISTURB WETLANDS DESIGNATED AS "RESTRICTED NO IMPACTS" (SEE EROSION CONTROL PLANS FOR LOCATIONS).
2.	ALL TRAFFIC CONTROL SHALL BE IN COMPLIANCE WITH THE 2009 EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THESE PLANS AND SPECIAL PROVISIONS. SEE WISDOT S.D.D. 15 D 28-1 AND 15 D 20 FOR ADDITIONAL REQUIREMENTS.
3.	CONTRACTOR SHALL REMOVE ALL SIGNS, PROTECT AND CONFIRM WITH OWNER PRIOR TO REINSTALLATION. OWNER MAY PROVIDE NEW SIGNAGE PRIOR TO INSTALLATION.
4.	CONTRACTOR SHALL PROVIDE ACCESS TO TRAFFIC AT ALL TIMES. COORDINATE WITH PROPERTY OWNERS FOR ALL WORK BLOCKING DRIVEWAYS.
5.	ALL MANHOLES SHALL BE ADJUSTED TO FINISHED GRADE. THIS WORK IS INCIDENTAL TO THE PROJECT UNLESS A SPECIFIC BID ITEM IS INCLUDED IN THE PROJECT MANUAL.
RESTORATION NOTES	
1.	WETLANDS AREAS SHALL BE GRADED TO RESTORE ORIGINAL CONTOURS.
2.	SOIL LAYERS SHALL BE SEGREGATED DURING CONSTRUCTION ACTIVITIES, FOLLOWED BY REPLACEMENT OF SOILS IN KIND.
3.	CLASS I TYPE B EROSION CONTROL MATTING WILL BE USED TO STABILIZE SLOPES WHERE CHANNELIZED FLOW IS PRESENT.
4.	WETLANDS SHALL BE SEEDED PER RESTORATION PLANS WITHIN FOURTEEN DAYS FOLLOWING PIPE TESTING ACTIVITIES AND NO LATER THAN SUBSTANTIAL COMPLETION.
5.	SEEDED AREAS SHALL BE WATERED DURING THE FIRST EIGHT WEEKS FOLLOWING INSTALLATION WHENEVER MORE THAN SEVEN CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
UTILITY NOTES	
1.	CONTRACTOR IS RESPONSIBLE AND SHALL MAINTAIN ALL DRAINAGE WITHIN THE PROJECT WORK AREA, INCLUDING RIGHT-OF-WAY ACCESS LOCATIONS DURING CONSTRUCTION.
2.	ALL SANITARY SEWER SHALL BE BACKFILLED PER TRENCH CONSTRUCTION DETAILS AND AS DESIGNATED ON THE PLAN PROFILE SHEETS.
3.	SUPPORT EXISTING UTILITIES AT CROSSINGS AS NECESSARY TO PREVENT DAMAGE OR INTERRUPTION OF SERVICE.
4.	STORM ENDWALL THAT IS REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED IN ACCORDANCE WITH WISDOT S.D.D. 08 F01 AND 08 F02. INSTALL FLEXIBLE MARKER POST IN ACCORDANCE WITH WISDOT S.D.D. 15 A 03.
MATERIALS MANAGEMENT NOTES	
1.	DUE TO LIMITED SITE STORAGE AREA, ALL EXCAVATED MATERIAL WILL BE DISPOSED OF OFF SITE AND IS THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR WILL NEED TO INFORM THE OWNER OF OFFSITE DISPOSAL OF EXCAVATED MATERIAL. IF DISPOSING OF FILL/EXCAVATED MATERIAL IN THE VILLAGE OF CALEDONIA A FILL PERMIT MUST BE OBTAINED BY THE CONTRACTOR FOR THE FILL SITE. IF MATERIAL IS TRANSPORTED OUTSIDE OF THE VILLAGE OF CALEDONIA THEN AN ACCEPTABLE HAUL ROUTE MUST BE APPROVED BY THE OWNER.
2.	SEE CONSTRUCTION SEQUENCING NOTE #8 REGARDING TOPSOIL DETAILS.
3.	IN THE EVENT OF A SPILL OR IF CONTAMINATED MATERIAL IS ENCOUNTERED, CONTACT RANDY MALEK OF THE WDNR WASTE RECYCLING AND REDUCTION PROGRAM TO DETERMINE APPROPRIATE ACTION.
4.	CONTRACTOR SHALL DISPOSE OF ALL MISCELLANEOUS DEBRIS EXCAVATED ON THE PROJECT.

GENERAL PROJECT NOTES	
5.	CONTRACTOR SHALL COMPLETE STREET CLEANING OF CONSTRUCTION DEBRIS TRACKED OFF CONSTRUCTION SITE DURING MOBILIZATION, CONSTRUCTION ACTIVITIES AND DEMOBILIZATION.
SUBSURFACE UTILITY INFORMATION	
1.	WHERE PUBLIC UTILITY FIXTURES ARE SHOWN AS EXISTING ON THE PLANS OR ENCOUNTERED WITHIN THE CONSTRUCTION AREA, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE OWNERS OF THOSE UTILITIES PRIOR TO THE BEGINNING OF ANY CONSTRUCTION. THE CONTRACTOR SHALL AFFORD ACCESS TO THESE FACILITIES FOR NECESSARY MODIFICATION OF SERVICES. UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH PRESENTLY NOT KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THERETO. NO CLAIMS FOR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR FOR ANY INTERFERENCE OR DELAY CAUSE BY SUCH WORK.
2.	THE SUBSURFACE UTILITY INFORMATION SHOWN WITHIN THIS PLAN SET IS SHOWN TO UTILITY QUALITY LEVEL IN ACCORDANCE WITH THE LEGEND PROVIDED BELOW. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF C/ASCE38-02, ENTITLES STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA.
<u>UTILITY QUALITY LEVELS</u>	
LEVEL D -	INFORMATION COMES SOLELY FROM EXISTING UTILITY RECORDS
LEVEL C -	SURVEYING ABOVE GROUND UTILITY FACILITIES, SUCH AS MANHOLES, VALVE BOXES, ETC; AND CORRELATING THIS INFORMATION WITH EXISTING UTILITY RECORDS.
LEVEL B -	THE USE OF SURFACE GEOPHYSICAL TECHNIQUES TO DETERMINE THE EXISTENCE AND HORIZONTAL POSITION OF UNDERGROUND UTILITIES.
LEVEL A -	THE USE OF NONDESTRUCTIVE DIGGING EQUIPMENT AT HORIZONTAL AND VERTICAL POSITION OF UNDERGROUND UTILITIES, AS WELL AS THE TYPE, SIZE, CONDITION, MATERIAL AND OTHER CHARACTERISTICS.
THE UNDERGROUND UTILITIES IN THIS DRAWING SET FOR THIS PROJECT ARE AS FOLLOWS: LEVEL D	
EROSION CONTROL NOTES	
1.	POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH THE WDNR.
2.	KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
3.	SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
4.	CONTRACTOR TO ENSURE EXISTING DRAINAGE PATTERNS ARE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND IS RESPONSIBLE FOR MAINTAINING EROSION CONTROL PRACTICES UNTIL SITE IS STABILIZED.
5.	THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
6.	PRIOR TO LAND DISTURBANCE, THE PERIMETER OF VEGETATIVE BUFFERS SHALL BE FLAGGED OR FENCED TO PREVENT EQUIPMENT FROM CREATING RUTS, COMPACTING THE SOIL AND TO PREVENT DAMAGE TO VEGETATION. (FOR EXISTING VEGETATIVE BUFFER AREAS OUTSIDE OF THE GRADING LIMITS=PINK AREAS).
7.	INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
8.	WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
9.	REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/stormwater/standards/const_standards.html .
10.	INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKOUT CONTROL PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR CONSERVATION PRACTICE STANDARD TRACKOUT CONTROL PRACTICES #1057.
11.	STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
12.	NOTIFY THE VILLAGE IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION, OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70 GPM OR MORE). DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN OBTAINED BY CONTRACTOR.
13.	IN THE EVENT DEWATERING IS NECESSARY DURING EXCAVATION, CONTRACTOR SHALL UTILIZE GEO-TEXTILE BAGS TO CONTROL SUSPENDESED SEDIMENT DURING DEWATERING. PERFORM DEWATERING IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061. IF GEO-TEXTILE BAGS ARE NOT SUFFICIENT A SEDIMENT TRAP MAY BE REQUIRED. INSTALL PER WDNR TECHNICAL STANDARD SEDIMENT TRAP #1063. DISCHARGE OF SEDIMENT LADEN WATER TO A STORM SEWER OR SURFACE WATER IS PROHIBITED.
14.	INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT HEIGHT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT. REPAIR GAPS IN SILT FENCES IMMEDIATELY.

GENERAL PROJECT NOTES	
15.	REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
16.	IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
17.	IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER, UNLESS OTHERWISE NOTED. ALL DISTURBED AREAS SHALL BE PROMPTLY DE-COMPACTED (IF COMPACTED) OR CONDITIONED (IN AGRICULTURAL AREAS), TOPSOILED (REPLACED TO EXISTING PRECONSTRUCTION DEPTH), SEEDED ((A), (B) TEMPORARY COVER CROP: AGRICULTURAL AREAS) AND STABILIZED. <div><div>a.</div><div>STANDARD SEEDING - (FOR CTH KR AREAS-STAGE 1) - SEE ROADWAY DITCHES AND PROPERTY LINE BORDER AREAS WITH WISDOT MIXTURE #10 @ 4.5 LBS/1000SF. USE OLF THIS ITEM SHALL BE AS DIRECTED BY THE ENGINEER AND MAY BE LIMITED TO AREAS NOT TO BE DISTURBED BY FUTURE PROJECT WORK (NOTE: USE MAY BE ELIMINATED ENTIRELY AND REPLACED WITH TEMPORARY STABILIZATIONCROP SEED MIXTURE).</div><div>b.</div><div>TEMPORARY STABILIZATION CROP (FOR CTH KR AREAS-STAGE 1 AND PIKE RIVER RESTORATION AREA-STAGE 2) - SEE AREAS WITH TEMPORARY COVER CROP PER SEED MIXTURE SPECIFIED IN THE SPECIFICATIONS.</div></div> <div>BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE. USE WISDOT "SECTION 630 SEEDING" STANDARD SPECIFICATIONS. IF THE PROPERTY OWNER PREFERS THE PROPERTY TO BE RESTORED FOR RETURN TO CULTIVATION, CONTRACTOR SHALL WORK WITH THE LANDOWNER TO CONDIION THE SOIL APPROPRIATELY FOR FUTURE CROP PRODUCTION.</div>
18.	STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
19.	SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE VILLAGE. SEPARATE SWEPT MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.
20.	THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.
21.	PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
22.	COORDINATE WITH THE WDNR TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
23.	FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS I URBAN TYPE A EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN THE WISDOT PRODUCT ACCEPTABILITY LIST (PAL) AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052. ALL SLOPES 4:1 OR GREATER SHALL BE EROSION MATTED.
24.	FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS I TYPE B EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN THE WISDOT PRODUCT ACCEPTABILITY LIST (PAL) AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1053. USE MATTING FOR THE BOTTOM 8 FEET OF ALL DRAINAGE WAYS.
25.	MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
26.	INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.) AS WARRANTED BY SITE CONDITIONS OR AS DIRECTED BY THE VILLAGE.

CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01			<table><tr><th>NO</th><th>DATE</th><th>BY</th><th>REVISION DESCRIPTION</th></tr><tr><td>△</td><td></td><td></td><td></td></tr><tr><td>△</td><td></td><td></td><td></td></tr><tr><td>△</td><td></td><td></td><td></td></tr></table>	NO	DATE	BY	REVISION DESCRIPTION	△				△				△					TID 5 SANITARY SEWER AND WATER MAIN IMPROVEMENTS VILLAGE OF CALEDONIA, WISCONSIN	GENERAL PROJECT NOTES	SHEET NO. G1.05
NO	DATE	BY		REVISION DESCRIPTION																			
△																							
△																							
△																							
DESIGNED BY: MLH	CHECKED BY: BLH	DRAWN BY: MLH																					
LETTING DATE: _____	CAD DATE: 4/13/2021	7:54:55 AM																					



CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
LETTING DATE: CAD DATE: 4/13/2021 9:02:39 AM

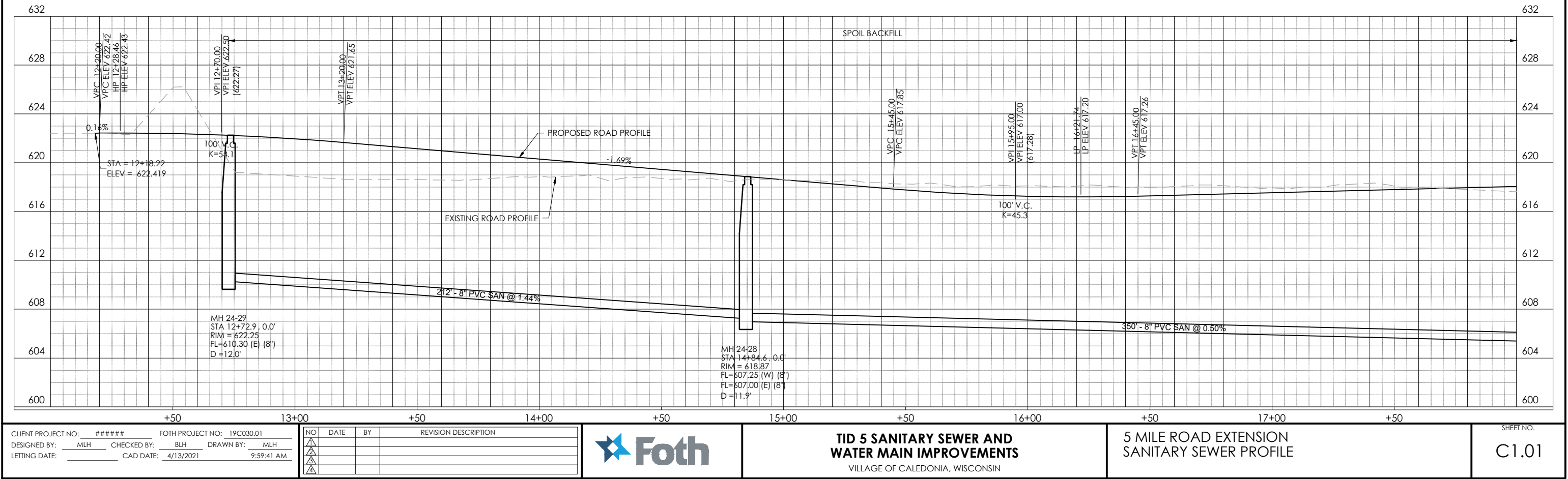
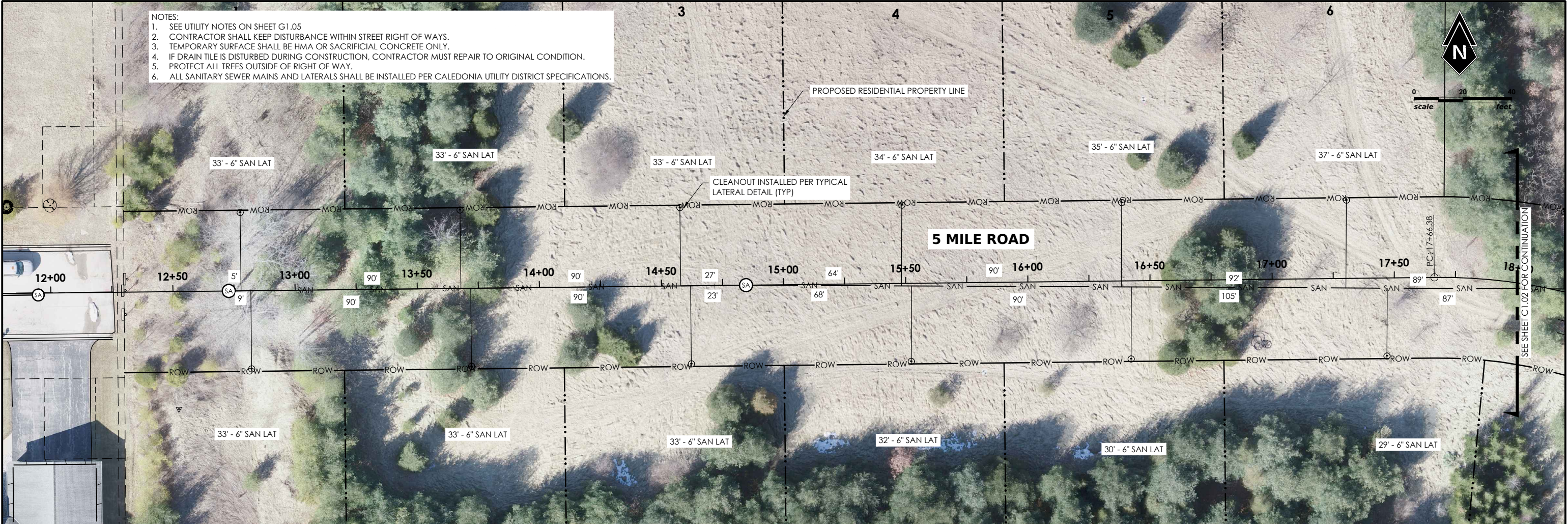
NO	DATE	BY	REVISION DESCRIPTION
1			
2			
3			

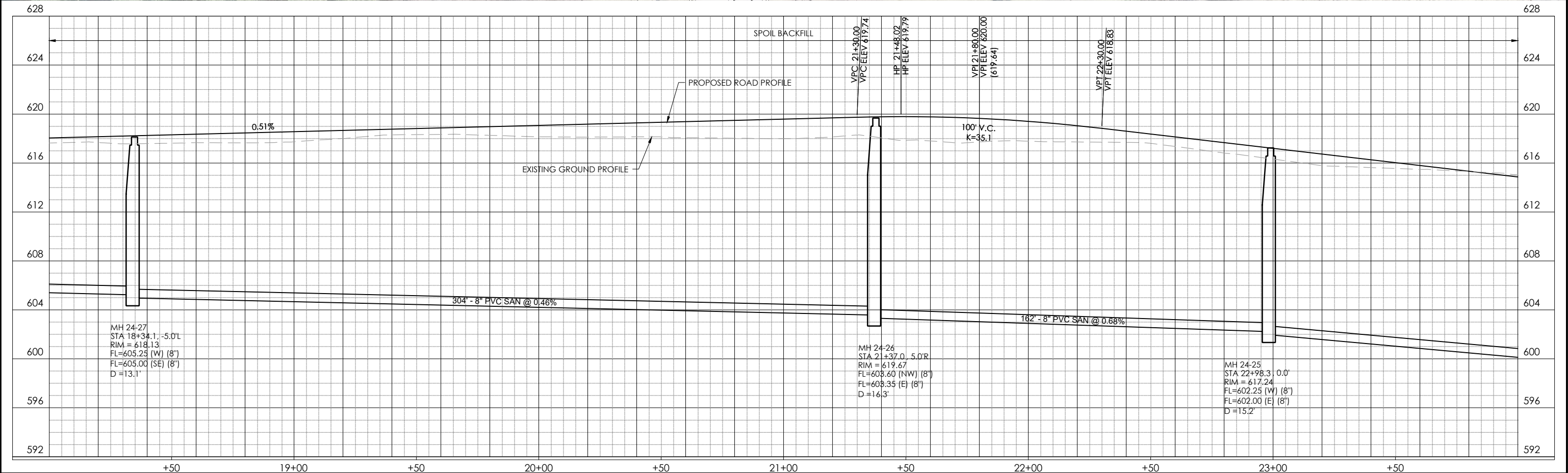
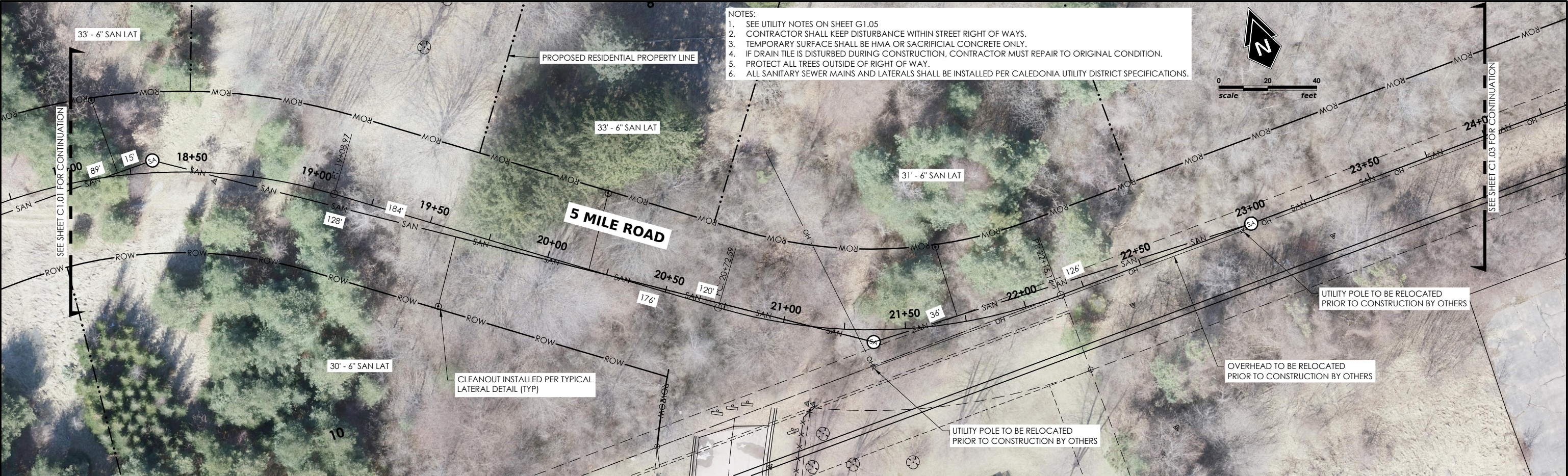


**TID 5 SANITARY SEWER AND
WATER MAIN IMPROVEMENTS**
VILLAGE OF CALEDONIA, WISCONSIN

5 MILE ROAD EXTENSION
REMOVAL PLAN

SHEET NO.
C1.00





CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
LETTING DATE: CAD DATE: 4/13/2021 9:58:58 AM

NO	DATE	BY	REVISION DESCRIPTION
1			
2			
3			



**TID 5 SANITARY SEWER AND
WATER MAIN IMPROVEMENTS**
VILLAGE OF CALEDONIA, WISCONSIN

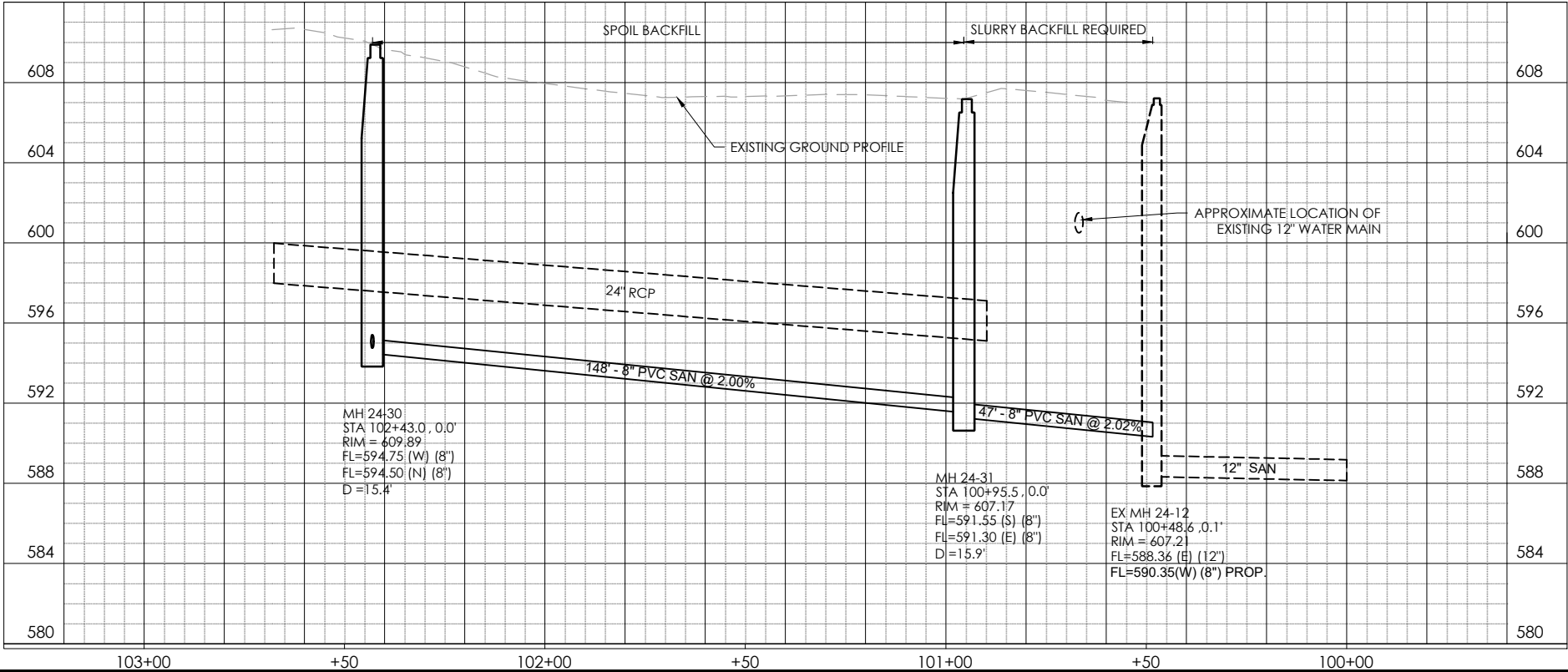
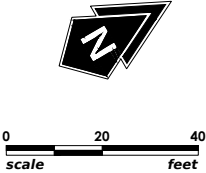
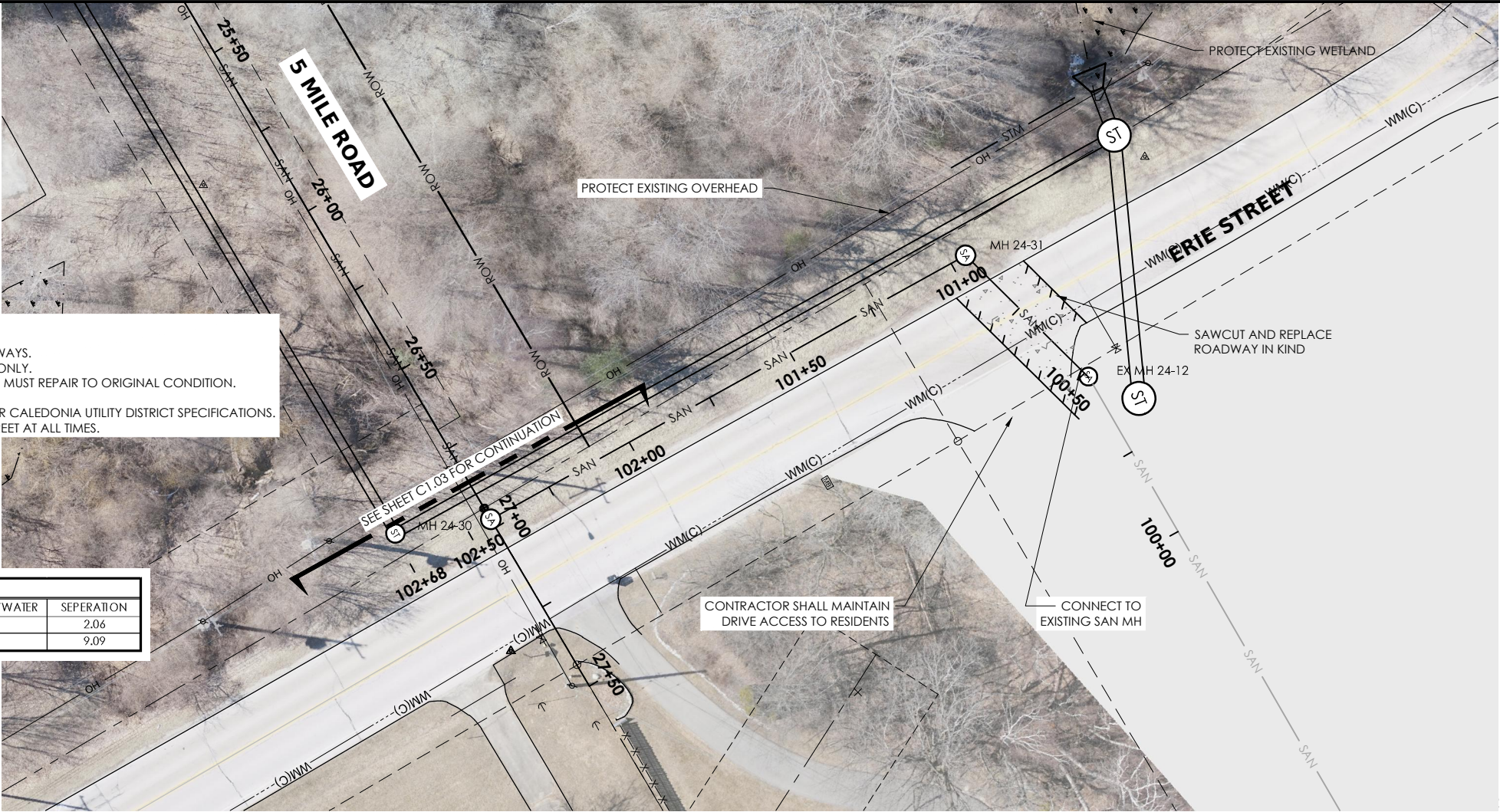
**5 MILE ROAD EXTENSION
SANITARY SEWER PROFILE**

SHEET NO.

C1.02

- NOTES:
1. SEE UTILITY NOTES ON SHEET G1.05
 2. CONTRACTOR SHALL KEEP DISTURBANCE WITHIN STREET RIGHT OF WAYS.
 3. TEMPORARY SURFACE SHALL BE HMA OR SACRIFICIAL CONCRETE ONLY.
 4. IF DRAIN TILE IS DISTURBED DURING CONSTRUCTION, CONTRACTOR MUST REPAIR TO ORIGINAL CONDITION.
 5. PROTECT ALL TREES OUTSIDE OF RIGHT OF WAY.
 6. ALL SANITARY SEWER MAINS AND LATERALS SHALL BE INSTALLED PER CALEDONIA UTILITY DISTRICT SPECIFICATIONS.
 7. CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC ON ERIE STREET AT ALL TIMES.

UTILITY CROSSINGS				
UTILITY TYPE	SHEET	TOP OF SANITARY PIPE	INVERT STORM/WATER	SEPERATION
24" STORM	C1.03	595.61	597.67	2.06
12" WATER MAIN	C1.04	591.41	600.5	9.09



CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
LETTING DATE: CAD DATE: 4/13/2021 9:51:52 AM

NO	DATE	BY	REVISION DESCRIPTION
△			
△			
△			

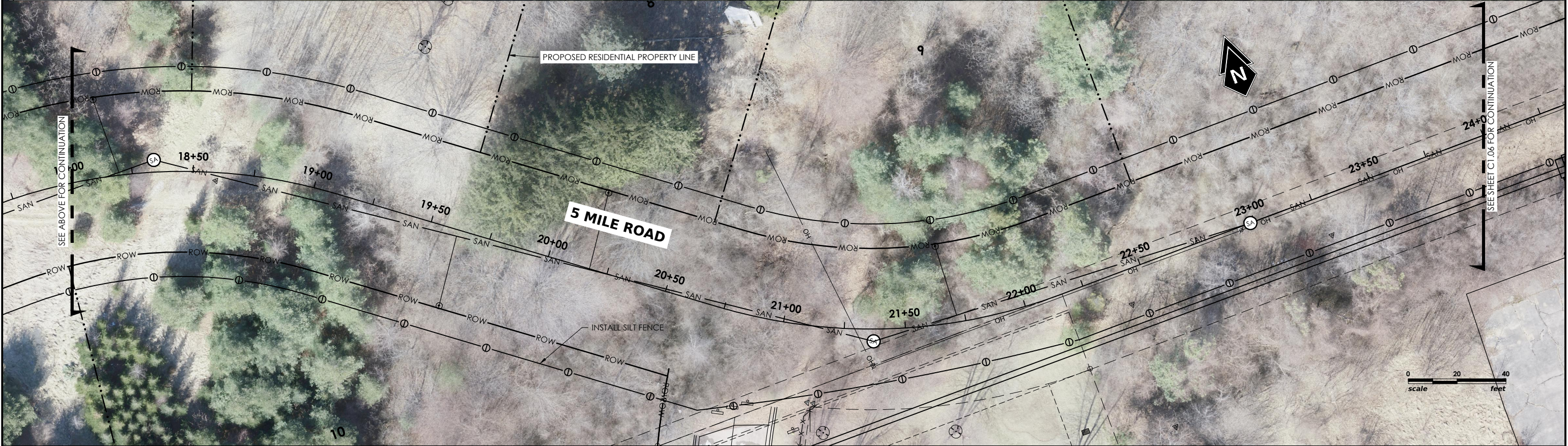


**TID 5 SANITARY SEWER AND
WATER MAIN IMPROVEMENTS**
VILLAGE OF CALEDONIA, WISCONSIN

ERIE STREET
SANITARY SEWER PROFILE

SHEET NO.

C1.04



CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
LETTING DATE: CAD DATE: 4/13/2021 9:53:46 AM

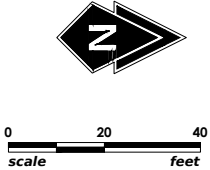
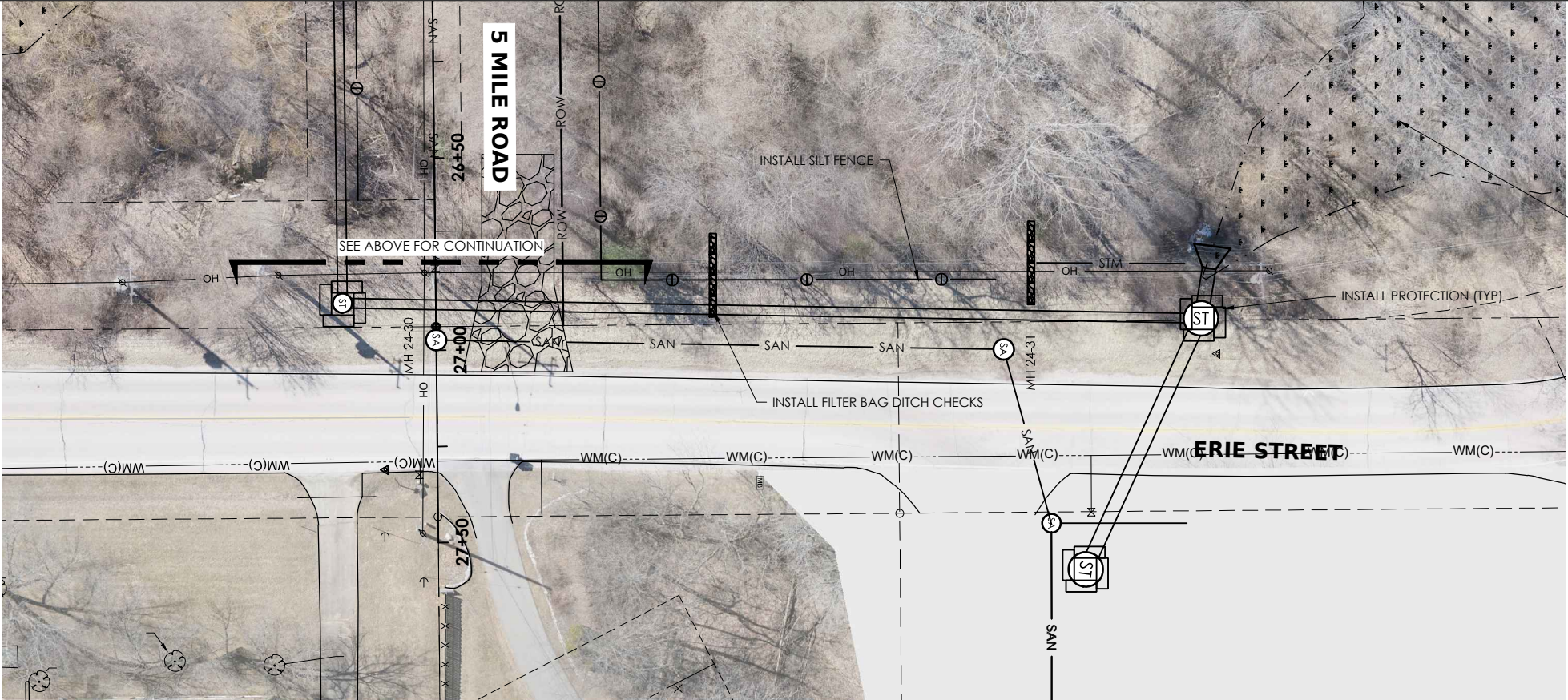
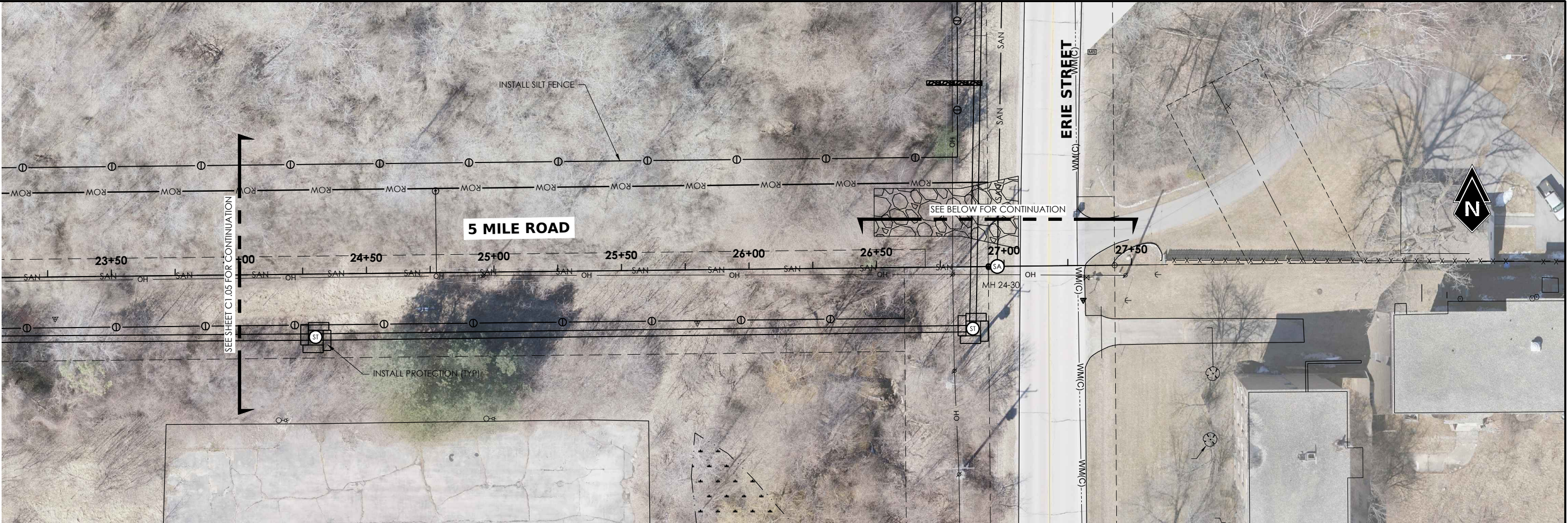
NO	DATE	BY	REVISION DESCRIPTION
△			
△			
△			



**TID 5 SANITARY SEWER AND
WATER MAIN IMPROVEMENTS**
VILLAGE OF CALEDONIA, WISCONSIN

5 MILE ROAD EXTENSION
EROSION CONTROL PLANS

SHEET NO.
C1.05



CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
LETTING DATE: CAD DATE: 4/13/2021 9:55:21 AM

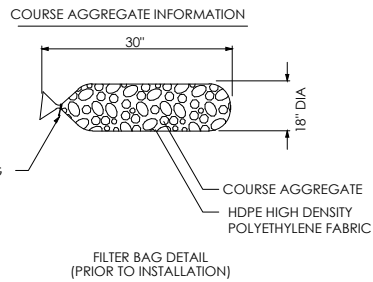
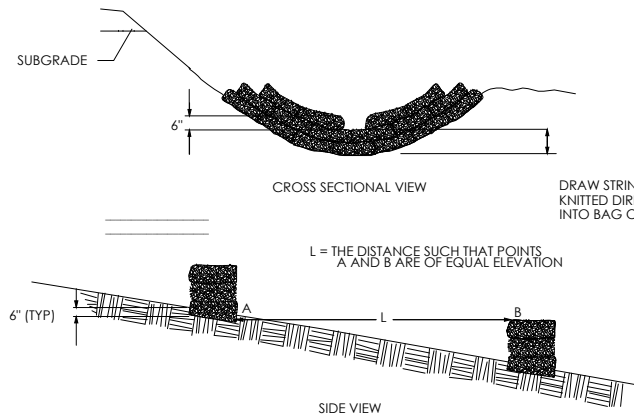
NO	DATE	BY	REVISION DESCRIPTION
1			
2			
3			



**TID 5 SANITARY SEWER AND
WATER MAIN IMPROVEMENTS**
VILLAGE OF CALEDONIA, WISCONSIN

5 MILE ROAD EXTENSION
EROSION CONTROL PLANS

SHEET NO.
C1.06



GENERAL NOTES:
 18" X 30" ROCK FILLED FILTER BAG SHALL BE COMPRISED OF THE FOLLOWING:
 -HDPE HIGH DENSITY POLYETHYLENE
 -HDPE HIGH DENSITY POLYETHYLENE DRAW STRING KNITTED DIRECTLY INTO BAG OPENING.
 -80% FABRIC CLOSURE WITH APPARENT OPENING SIZE NO LARGER THAN 2" X 2"
 -ROLLED SEAM USING A MINIMUM OF 480 DENIER POLYESTER SEWING YARN FOR STRENGTH AND DURABILITY.
 USE WELL GRADED COARSE AGGREGATE CONFORMING TO THE FOLLOWING GRADATION REQUIREMENTS

SIEVE SIZE	SIZE NO. AASHTO No. 67
2 INCH (50 mm)	
1.5 INCH (37.5mm)	
1 INCH (25.0 mm)	100
0.75 INCH (19.0mm)	90-100
0.5 INCH (9.5mm)	20-55
No. 4 (4.75mm)	0-10
No. 8 (2.36mm)	0-5

(1) SIZE No. ACCORDING TO AASHTO M 43

DITCH CHECK DETAIL

01 ROCK-FILLED FILTER BAG DETAIL

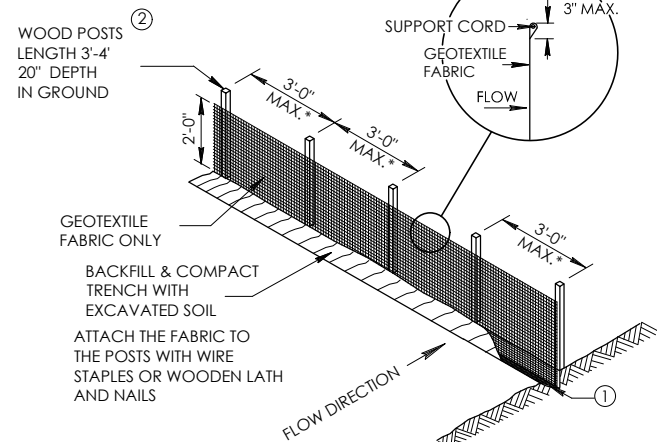
SCALE: NONE

GENERAL NOTES

- TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
- WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/2" X 1 1/2" OF OAK OR HICKORY.

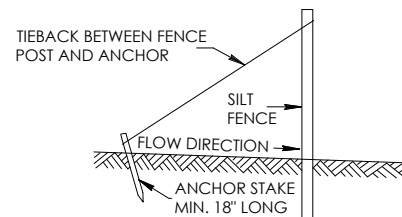
CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

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

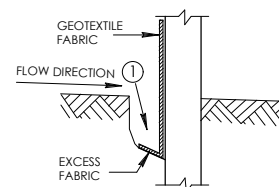


SILT FENCE

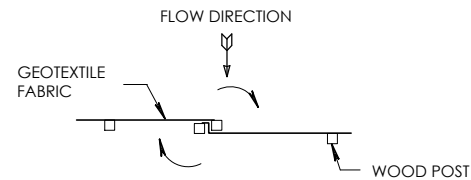
* NOTE: 8'-0" POST SPACING ALLOWED IF A WOVEN GEOTEXTILE FABRIC IS USED.



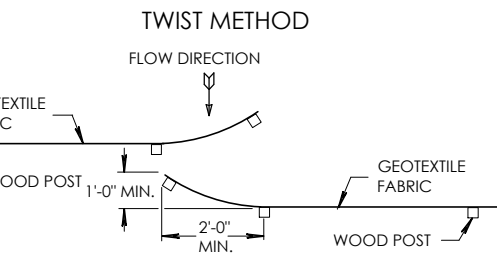
SILT FENCE TIE BACK
(WHEN ADDITIONAL SUPPORT REQUIRED)



TRENCH DETAIL



TWIST METHOD



TWIST METHOD

JOINING TWO LENGTHS OF SILT FENCE ④

This drawing based on Wisconsin
 Department of Transportation
 Standard Detail Drawing 8 E 9-6.

02 SILT FENCE DETAIL

SCALE: NONE

CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
 DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
 LETTING DATE: CAD DATE: 4/13/2021 7:22:41 AM

NO	DATE	BY	REVISION DESCRIPTION
1			
2			
3			

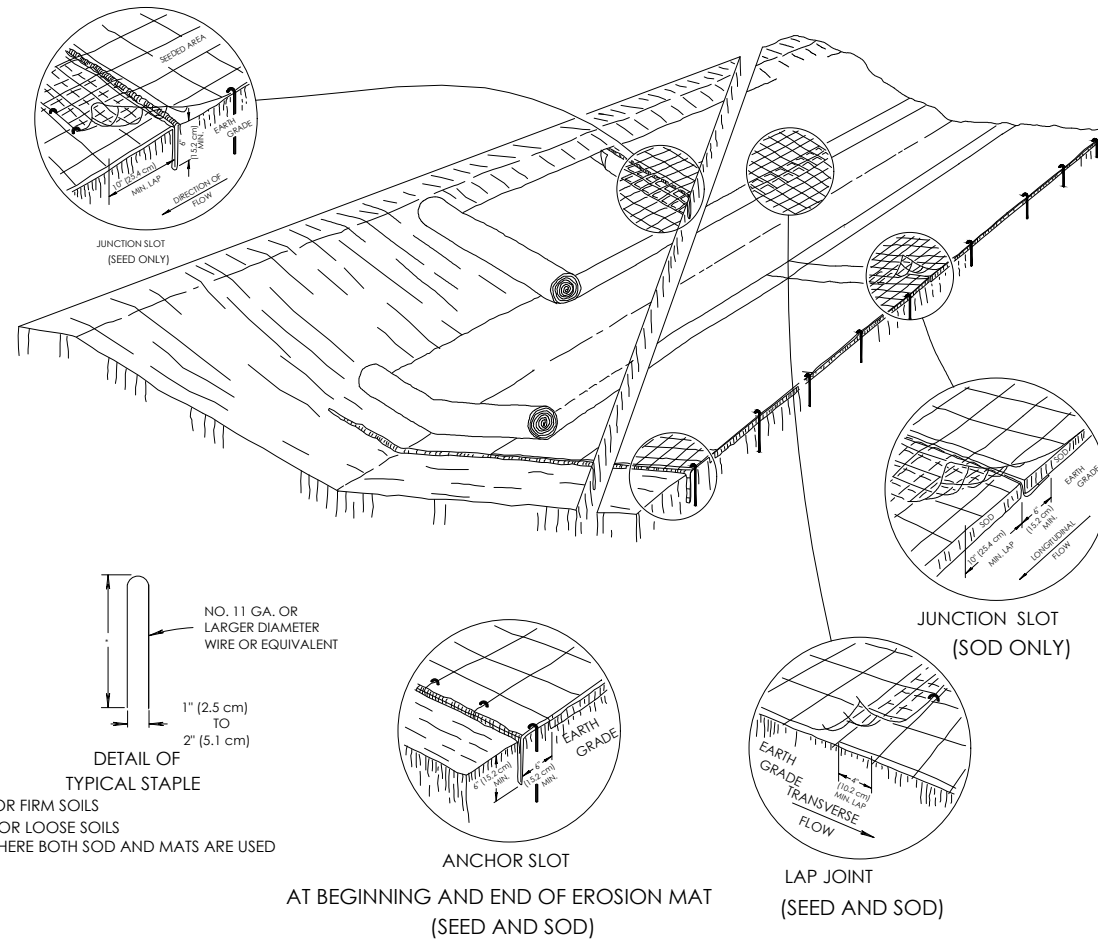


**TID 5 SANITARY SEWER AND
 WATER MAIN IMPROVEMENTS**
 VILLAGE OF CALEDONIA, WISCONSIN

EROSION CONTROL DETAILS

SHEET NO.

C5.01



GENERAL NOTES

DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH AND IF PRIOR APPROVAL OF THE ENGINEER IS OBTAINED.

LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V-SHAPED DITCHES.

JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET (1.219 m) APART.

EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

EROSION MAT SHALL BE MEASURED AND PAYED FOR IN ACCORD-ANCE WITH THE STANDARD SPECIFICATIONS.

EROSION MAT OVER SOD

- a. ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.
- b. WOOD STAKES FOR SOD MAY BE OMITTED BY THE ENGINEER IF THE EXISTING SLOPE AND SOIL CONDITIONS SO WARRANT.
- c. THE WIDTH OF THE EROSION MAT SHALL ALWAYS EQUAL THE SOD WIDTH.
- d. SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF THE DITCH.

EROSION MAT OVER SEEDING

JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET (30.48 m) ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET (15.24 m) ON GRADES EXCEEDING 3 PERCENT.

03 EROSION MAT DETAIL

SCALE: NONE

CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
LETTING DATE: CAD DATE: 4/13/2021 7:25:30 AM

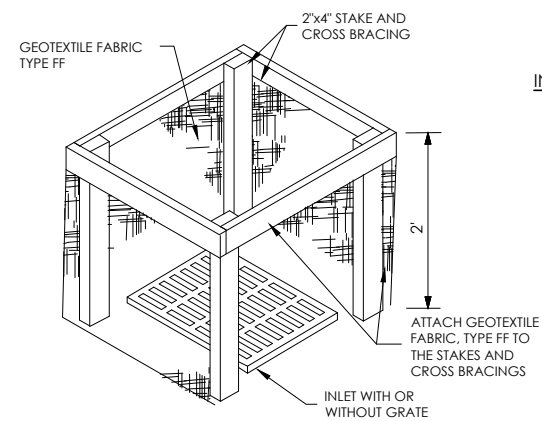
NO	DATE	BY	REVISION DESCRIPTION
1			
2			
3			



TID 5 SANITARY SEWER AND
WATER MAIN IMPROVEMENTS
VILLAGE OF CALEDONIA, WISCONSIN

EROSION CONTROL DETAILS

SHEET NO.
C5.02

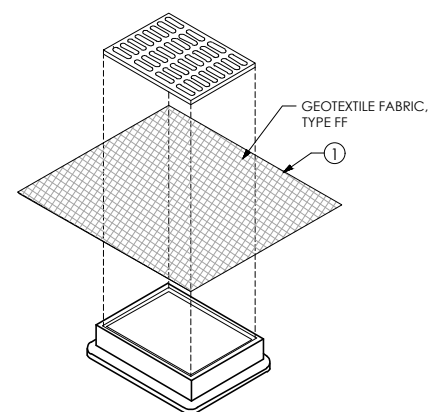


GENERAL NOTES

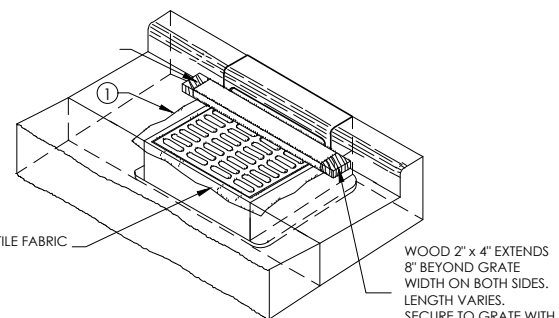
MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

- ① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② FOR INLET PROTECTION TYPE C WITH CURB BOX, AN ADDITIONAL 18" FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES, THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.
- ③ FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



INLET PROTECTION, TYPE B (WITHOUT CURB BOX)
(CAN BE INSTALLED ON ANY INLET WITHOUT CURB BOX)



INLET PROTECTION, TYPE C (WITH CURB BOX)

INSTALLATION NOTES

TYPES A, B & C

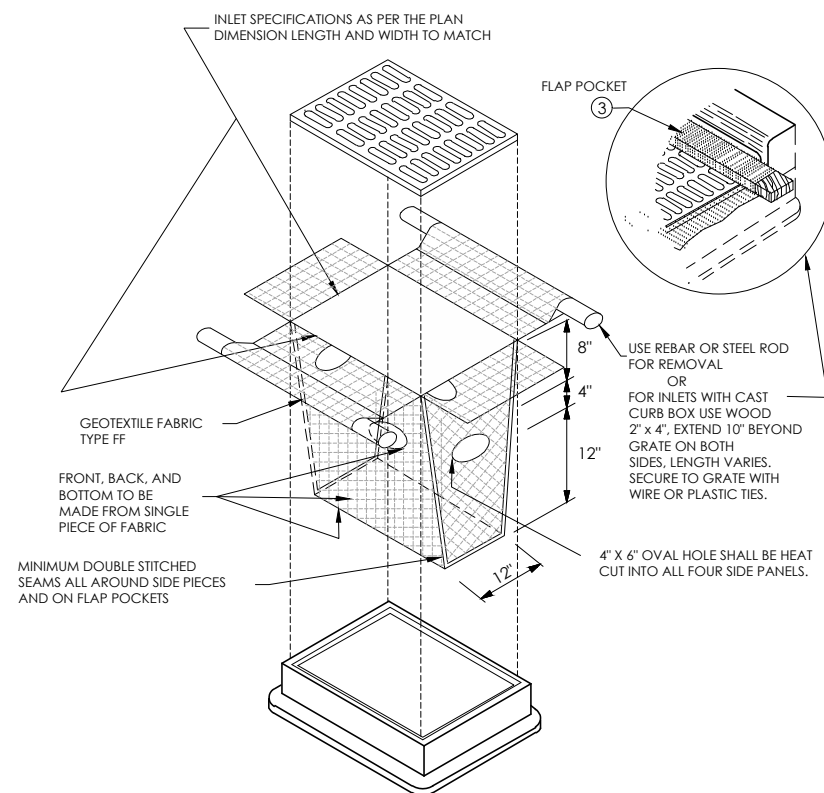
THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING INLET.

TYPE D

DO NOT INSTALL INLET PROTECTION TYPE D IN INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.

TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF GRATE.

THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.



INLET PROTECTION, TYPE D

(CAN BE INSTALLED ON ANY INLET TYPE WITH
OR WITHOUT A CURB BOX AS PER NOTE ⑫)

This drawing based on Wisconsin
Department of Transportation
Standard Detail Drawing 8 E 10-2.

INLET PROTECTION
TYPE A, B, C, AND D

04 INLET PROTECTION DETAIL

+ SCALE: NONE

CLIENT PROJECT NO: ##### FOTH PROJECT NO: 19C030.01
DESIGNED BY: MLH CHECKED BY: BLH DRAWN BY: MLH
LETTING DATE: CAD DATE: 4/13/2021 7:25:07 AM

NO	DATE	BY	REVISION DESCRIPTION
1			
2			
3			
4			



TID 5 SANITARY SEWER AND WATER MAIN IMPROVEMENTS

VILLAGE OF CALEDONIA, WISCONSIN

EROSION CONTROL DETAILS

SHEET NO.

C5.03

