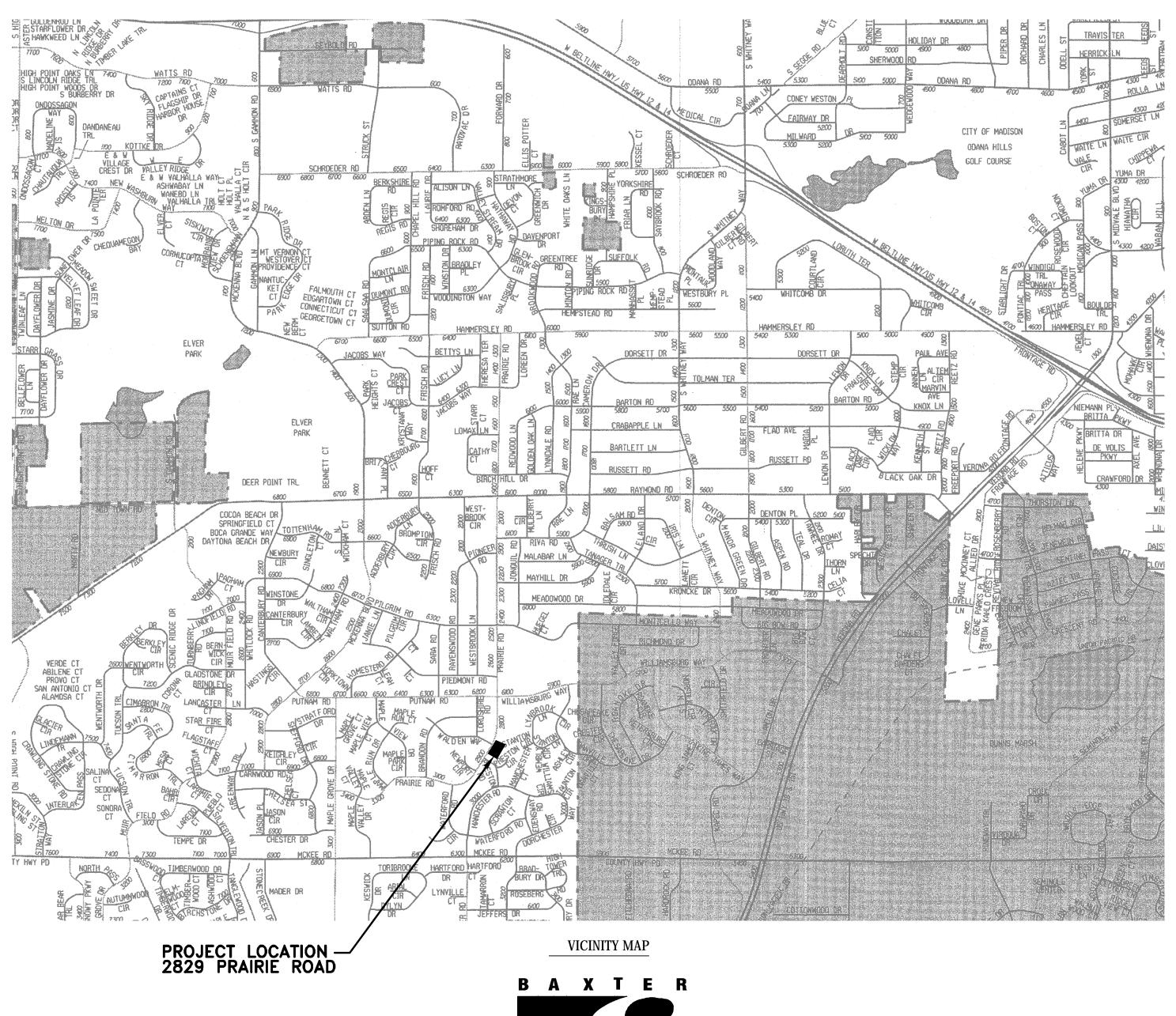
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1-800-242-8511 TOLL FREE WIS. STATUTE 182.0175 (1974) REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.

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Madison, Wisconsin 608.277.1230

Mokena, Illinois 708.478.2090

# MADISON WATER UTILITY MADISON, WISCONSIN UNIT WELL 20 PUMP AND MCC UPGRADES



Burlington, Wisconsin 262.763.7834

Crystal Lake, Illinois 815.459.1260

Grayslake, Illinois 847.223.5088

DeKalb, Illinois 815.787.3111

Chicago, Illinois 312.578.0050

Itasca, Illinois 630.773.1870

PROJECT ENGINEER

Plainfield, Illinois 815.609.7425

BAXTER & WOODMAN, INC. STATE OF WISCONSIN - PROFESSIONAL DESIGN FIRM LICENSE NO. - 484-001 - EXPIRES 1/31/2014

> PROJECT NO.: 120581.40 DATE:\_

	EXISTING	<u>LEGEND</u>	PROP	OSED
		WORK BOUNDARY FENCE	— WBF ——	
		SILT FENCE		SF
		STORM SEWER OR SERVICE	—st— <del>–</del>	ST
	W		w	s
	FM			л ————
D	$\bigcirc$	MANHOLE CATCH BASIN	0	)
		INLET		I
		DRYWELL FLARED END SECTION		<b>」</b> ►
		FIRE HYDRANT		•
	$\odot^{WV}$	WATER VALVE W/ BOX AND COVER WATER VALVE VAULT	Ģ	)₩V
	⊙ BB	WATER SERVICE BOX OR CURB STOP	ē	BB
	□WM O CO	WATER METER CLEAN OUT		
	O SV	SEPTIC VENT		
		TO BE ABANDONED AND/OR REMOVED	تہ بر	<u>}</u>
		GAS LINE GAS VALVE W/ BOX AND COVER		
	G GV			
	□GM OGR			□ GM
	⊙ GAS			
		TELEPHONE CABLE		
	TD TEL	TELEPHONE VAULT		
С	□ TR			
		CABLE TELEVISION (BURIED) CABLE T.V. RISER		
	CTV	CABLE T.V. VAULT		
	———— E	UNDERGROUND ELECTRICAL		
	□ EM	ELECTRIC METER PAD MOUNTED TRANSFORMER		
	□ EV □ JB	ELECTRIC VAULT JUNCTION BOX		
		UTILITY POLE w/ GUY ANCHOR UTILITY POLE w/ LIGHT		
	X	LIGHT STANDARD	)	(
	□ MB	MAIL BOX STREET SIGN		
	$\bigoplus_{\boxtimes}$	RAILROAD SIGNAL TRAFFIC SIGNAL CONTROLLER		
	$\bigcirc - \triangleright$	TRAFFIC SIGNAL POST W/ SIGNAL HEAD		
	□ {··} 12"	HANDHOLE DECIDUOUS TREE (W/ TRUNK INCH DIA.)	Į,	) (HATCHED SHA
	$\sim$	CONIFEROUS TREE (W/ HEIGHT)	L.	BE REMOVED) (HATCHED SHA
	کر 16' وژی	DECIDUOUS BUSH	× ×	BE REMOVED)
	C.S.	CONIFEROUS BUSH		
В	M-	DEFINING EDGE OF BRUSH OR FORESTED AREA		
	XX	FENCE		
		GUARD RAIL CULVERT (CMP UNLESS NOTED)		
		DITCH		
		SUMMIT EDGE OF LAKE, RIVER, ETC.		
		MARSH		
	– –Top— —Toe— —	TOP OR TOE OF SLOPE		
	— — — 742 —  —	CONTOUR	74	2
		EASEMENT RIGHT OF WAY (ROW)	PR <u>OP.</u>	<u> </u>
	X <u></u> X □ ROW	FENCED RIGHT OF WAY (ROW) RIGHT OF WAY MONUMENT		
	P.L.	UNFENCED PROPERTY LINE		
		FENCED PROPERTY LINE IRON PIPE (PROPERTY CORNER)		
		CORPORATE LIMITS		
		BASE LINE OR SURVEY LINE		
		CENTER LINE		
А	<b>625.35</b> (P,G,C) • (625.9) #	PROPOSED EL./(EXISTING EL.) (POINT, GUTTER, TOP OF CURB)		
	- (625.5) #	(POINT, GUTTER, TOP OF CURB)		#
		SOIL BORING AND NUMBER		<u>X</u>
	В.М <del>Ф</del> -	BENCH MARK		
	<sub>O</sub> CP	SURVEY CONTROL POINT		

## ABBREVIATIONS

3

CL	CENTERLINE	R
CONC	PORTLAND CEMENT CONCRETE	A
BIT	BITUMINOUS PAVEMENT	
GR	GRAVEL	D =
CMP	CORRUGATED METAL PIPE	T=
FH	FIRE HYDRANT	L=
CI	CAST IRON	R=
DI	DUCTILE IRON	E=
F-F	FACE-TO-FACE	SE=
E-E	EDGE-TO-EDGE	
B-B	BACK-TO-BACK	X=
BM	BENCH MARK	
INV EL	INVERT ELEVATION	PC
CL EL	CENTERLINE ELEVATION	PI
Р	POINT	PT
G	GUTTER	POT
Ċ	CURB	PCC
BC	BACK OF CURB	PRC
EOP	EDGE OF PAVEMENT	VC
PL	PROPERTY LINE	N&W
ROW	RIGHT OF WAY	TCE
FL	FLOW LINE	IOL
TF	TOP OF FRAME	
TC	TOP OF CURB OR CONCRETE	

STRUCTURE TO BE RECONSTRUCTED
STRUCTURE TO BE ADJUSTED
CENTRAL ANGLE
DEGREE OF CURVE
TANGENT LENGTH
CURVE LENGTH
RADIUS OF CURVE
EXTERNAL DISTANCE
SUPERELEVATION
(FT. PER FT. OF WIDTH)
EXTERNAL DISTANCE OF
VERTICAL CURVE
POINT OF CURVATURE
POINT OF INTERSECTION
POINT OF TANGENCY
POINT ON TANGENCY
POINT OF COMPOUND CURVATURE
POINT OF REVERSE CURVATURE
VERTICAL CURVE
NAIL AND WASHER
TEMPORARY CONSTRUCTION EASEMENT

#### TITLE

LEGEND, ABBREVIATIONS, INDEX, GENERAL NO

4

EXISTING SITE PLAN

DEMOLITION FLOOR PLAN DEMOLITION SECTIONS

FLOOR PLAN SECTIONS

ELECTRICAL PLAN AND DETAILS

## BENCHMARKS

3

BM = WELL HOUSE FINISH FLOOR ELEVATION = 1113.39

#### <u>GENERAL NOTES:</u>

- 1.) ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS.
- 3.) CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNER OF ALL EXISTING FACILITIES SO THE UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED, IF NEEDED, PRIOR TO THE START OF CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE SPECIFICATIONS.
- 5.) ONLY CITY OF MADISON PERSONNEL ARE ALLOWED TO OPERATE VALVES AND FIRE HYDRANTS. HYDRANTS SHALL NOT BE UTILITZED FOR MISCELLANEOUS WATER USE.
- 6.) CONTRACTOR SHALL CONTACT THE CITY OF MADISON WATER UTILITY 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK ON THE SITE.

#### EROSION CONTROL NOTES:

4

- 1.) ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE STATE OF WISCONSIN DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS AND CITY OF MADISON.
- 2.) EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORK, MAINTAINED THROUGHOUT THE WORK, AND REMOVED AS DIRECTED BY THE ENGINEER.
- 3.) SILT FENCE SHALL BE MAINTAINED AT LEAST ON A WEEKLY BASIS AND AFTER RAIN EVENTS OF 1/2–INCH OR GREATER.
- 4.) EROSION BLANKETS SHALL BE PLACED ON RESTORED SLOPES OF 3:1 OR GREATER AND ALONG THE BOTTOM OF ALL DITCHES TO A WIDTH OF 4 FEET. THE COST SHALL BE INCIDENTAL TO THE CONTRACT. LOCATIONS OF THE EROSION BLANKETS WILL BE DETERMINED DURING CONSTRUCTION.
- 5.) REFER TO THE SPECIFICATIONS AND STANDARD DETAILS FOR MATERIALS AND INSTALLATION METHODS.

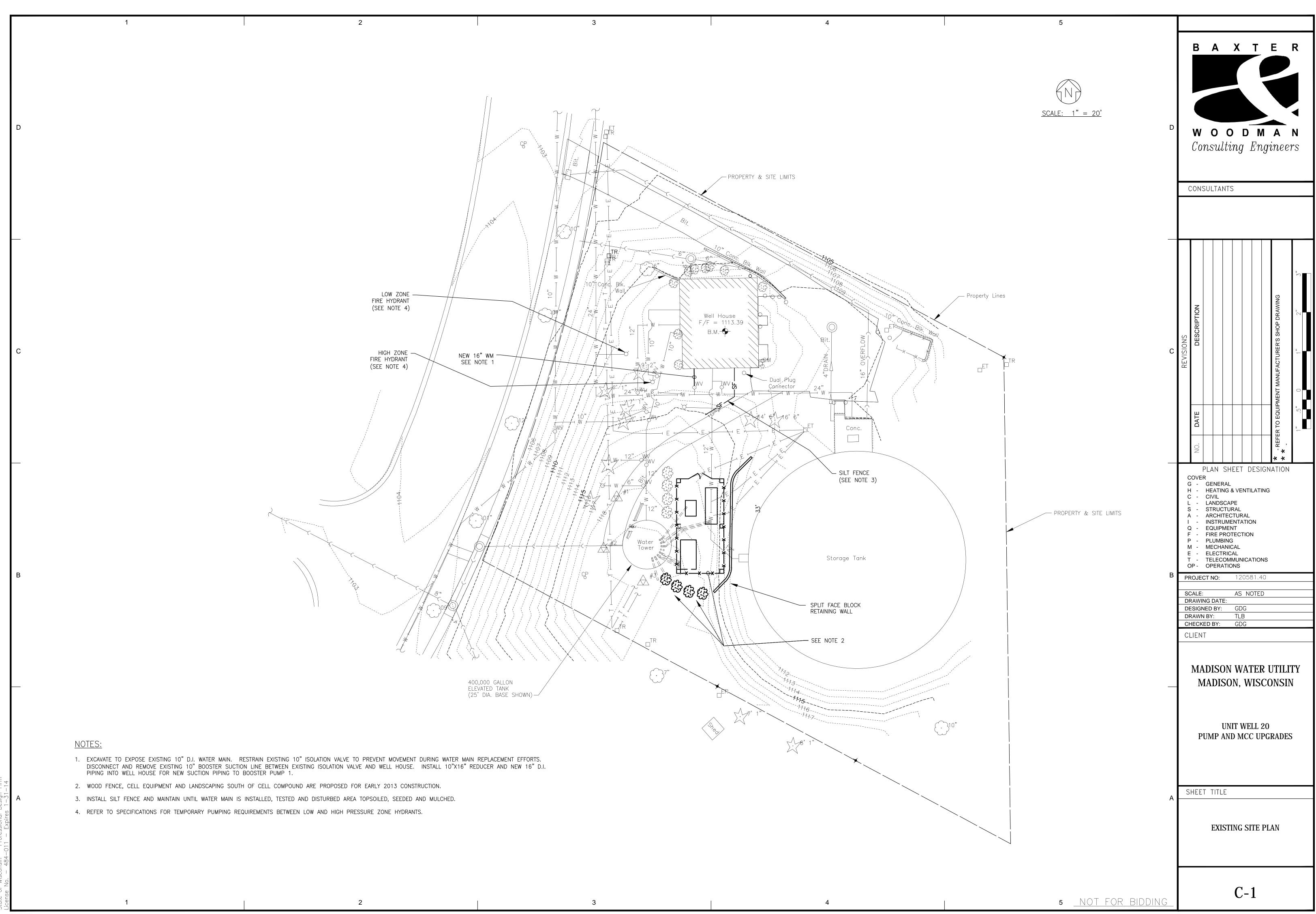
#### INDEX

	SHEET NO.						
	GENERAL	CIVIL	MECHANICAL	ELECTRICAL			
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		C-1					
			M-1				
			M-2				
			M-3				
			M-4				
				E-1			

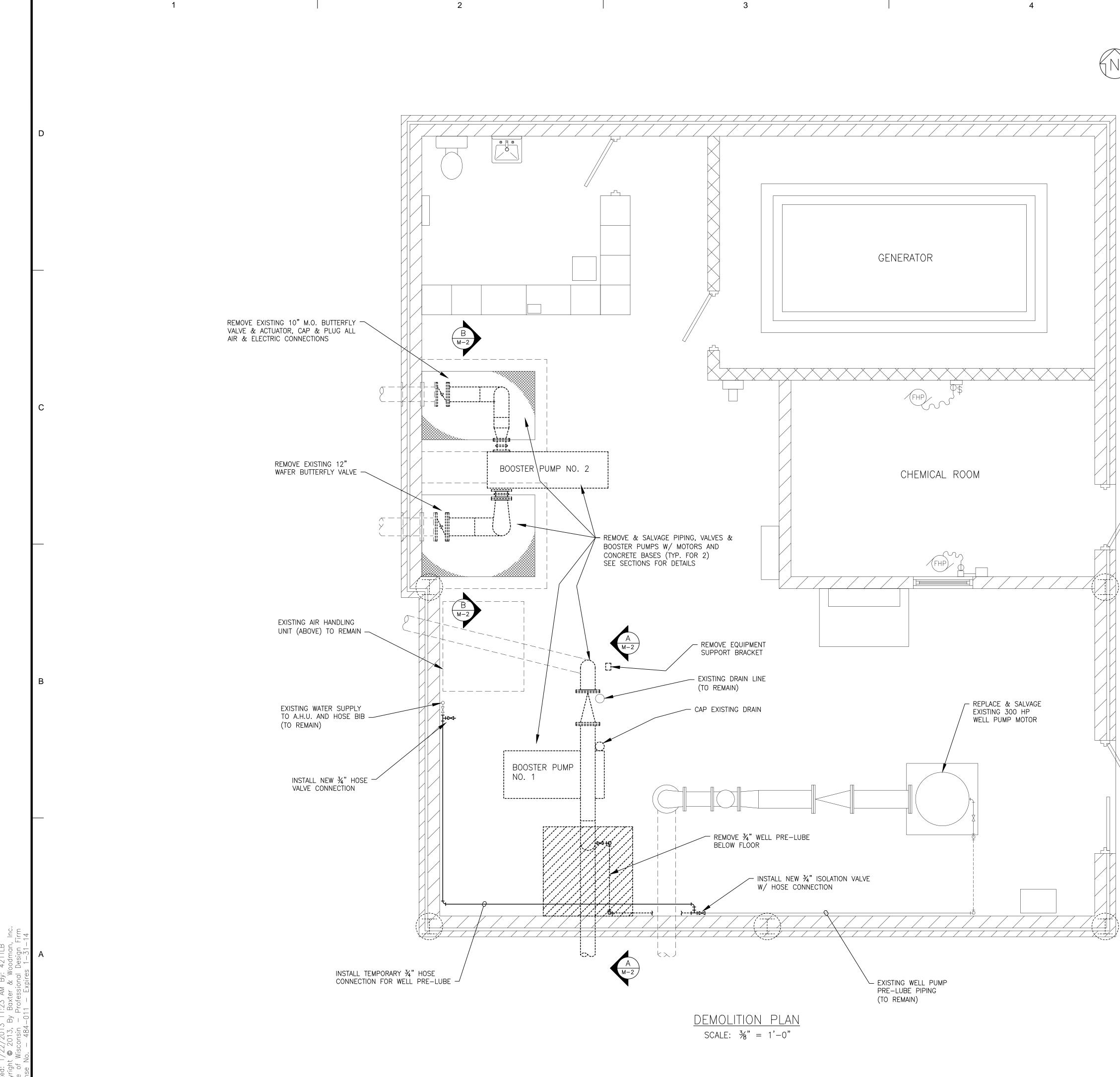
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- 2.) EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORK, IN ACCORDANCE WITH THE EROSION CONTROL NOTES LISTED BELOW.
- 4.) CONTRACTOR SHALL PROTECT FROM DAMAGE ALL CONCRETE AND ASPHALT AREAS.

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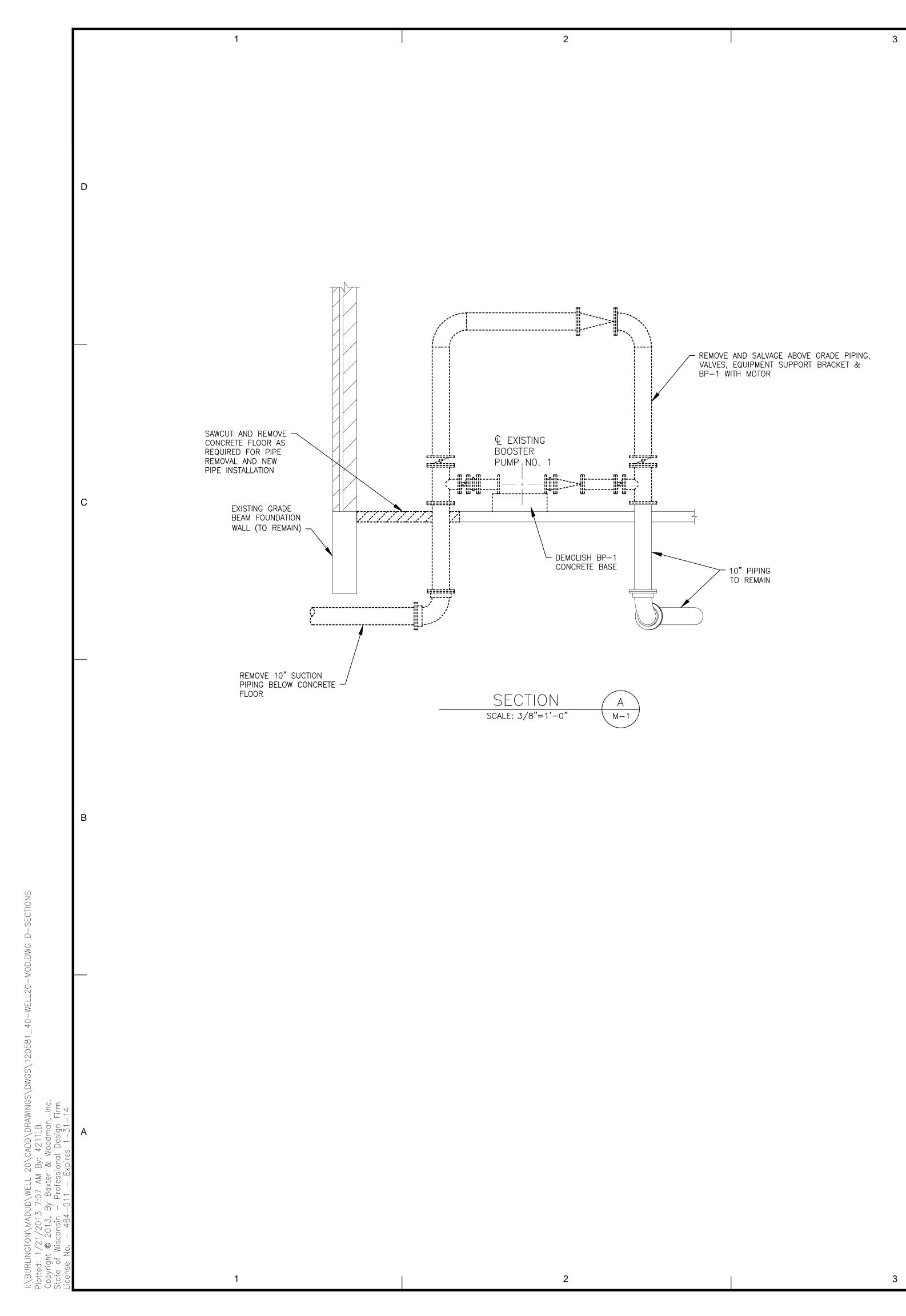


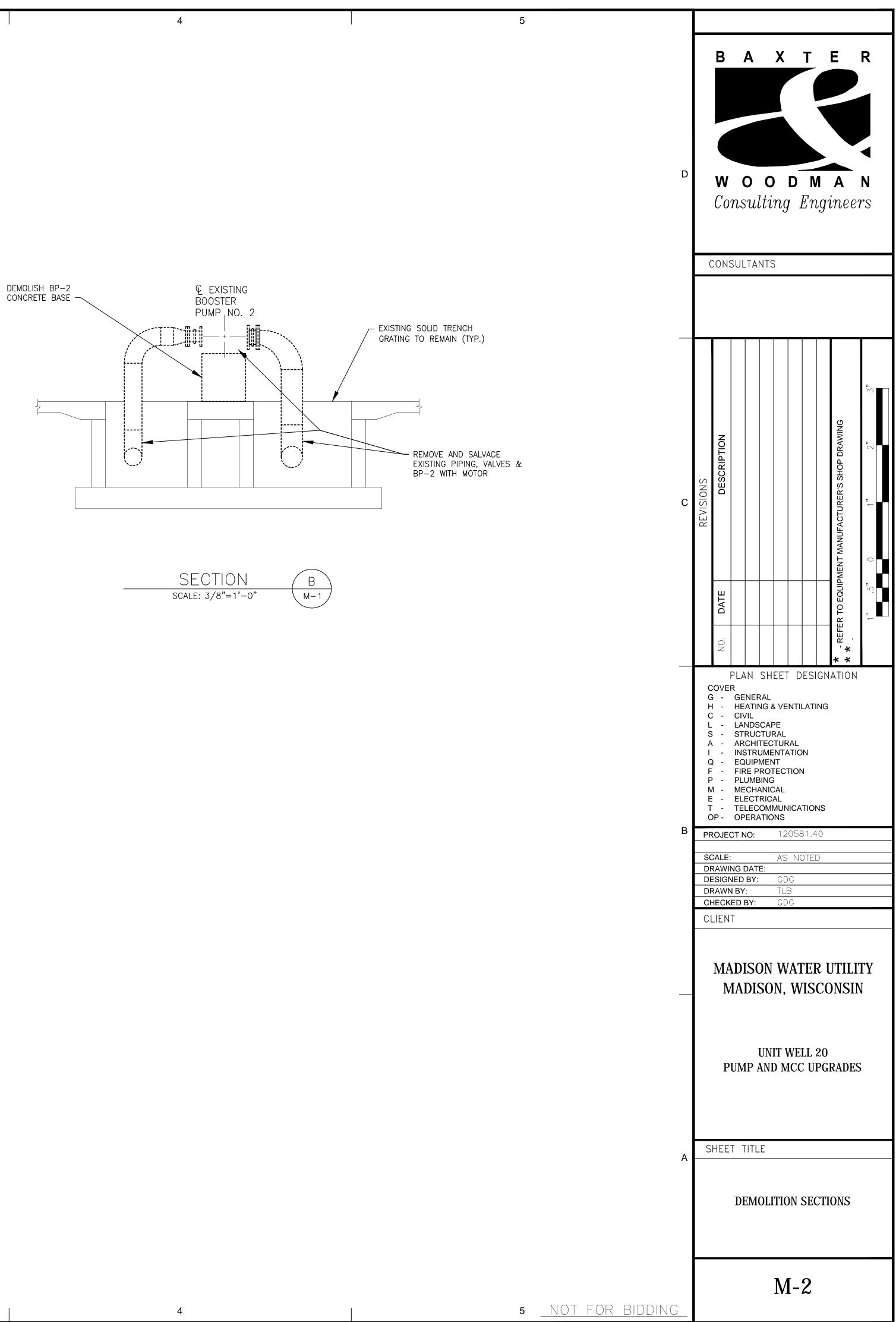
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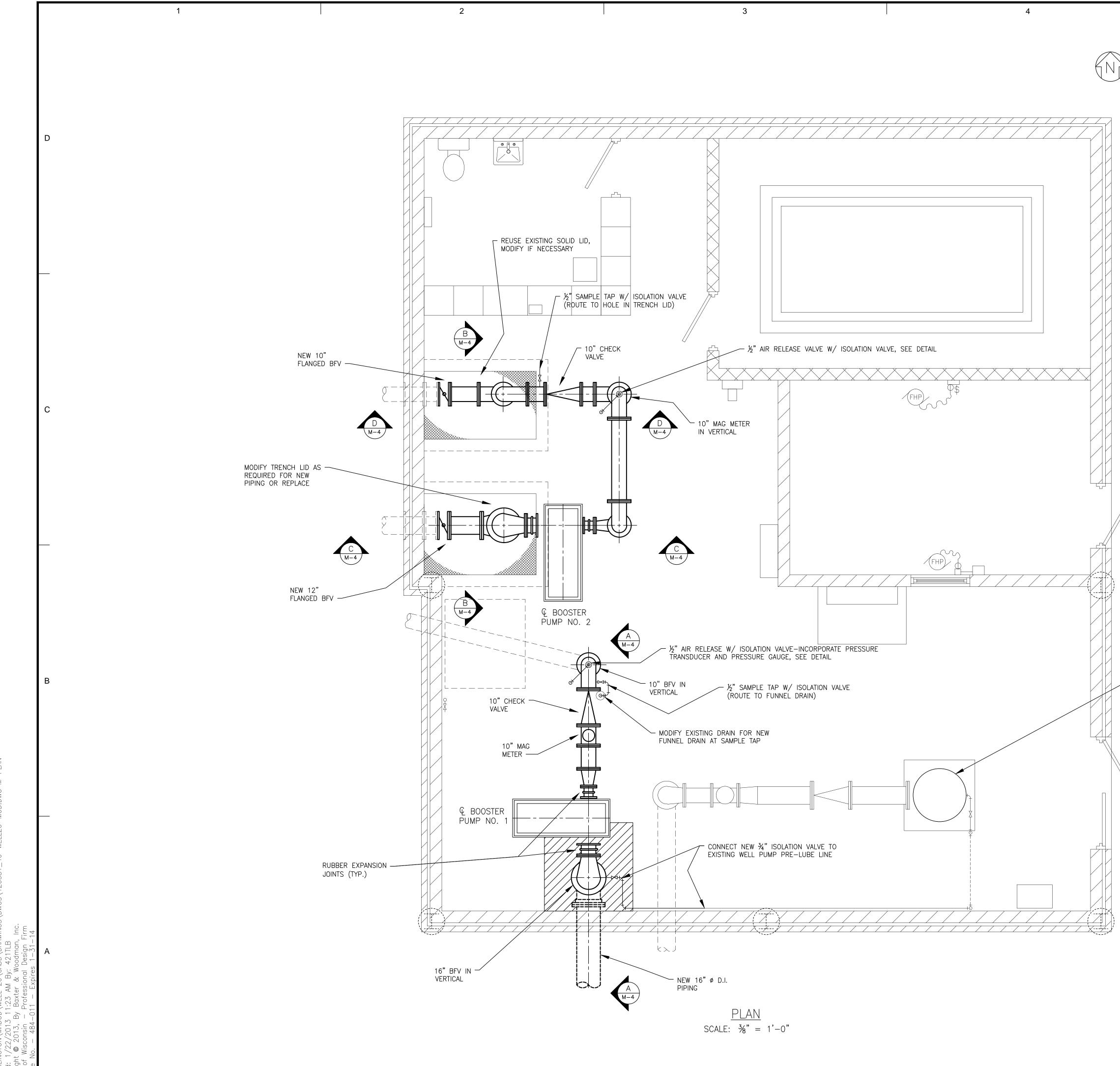


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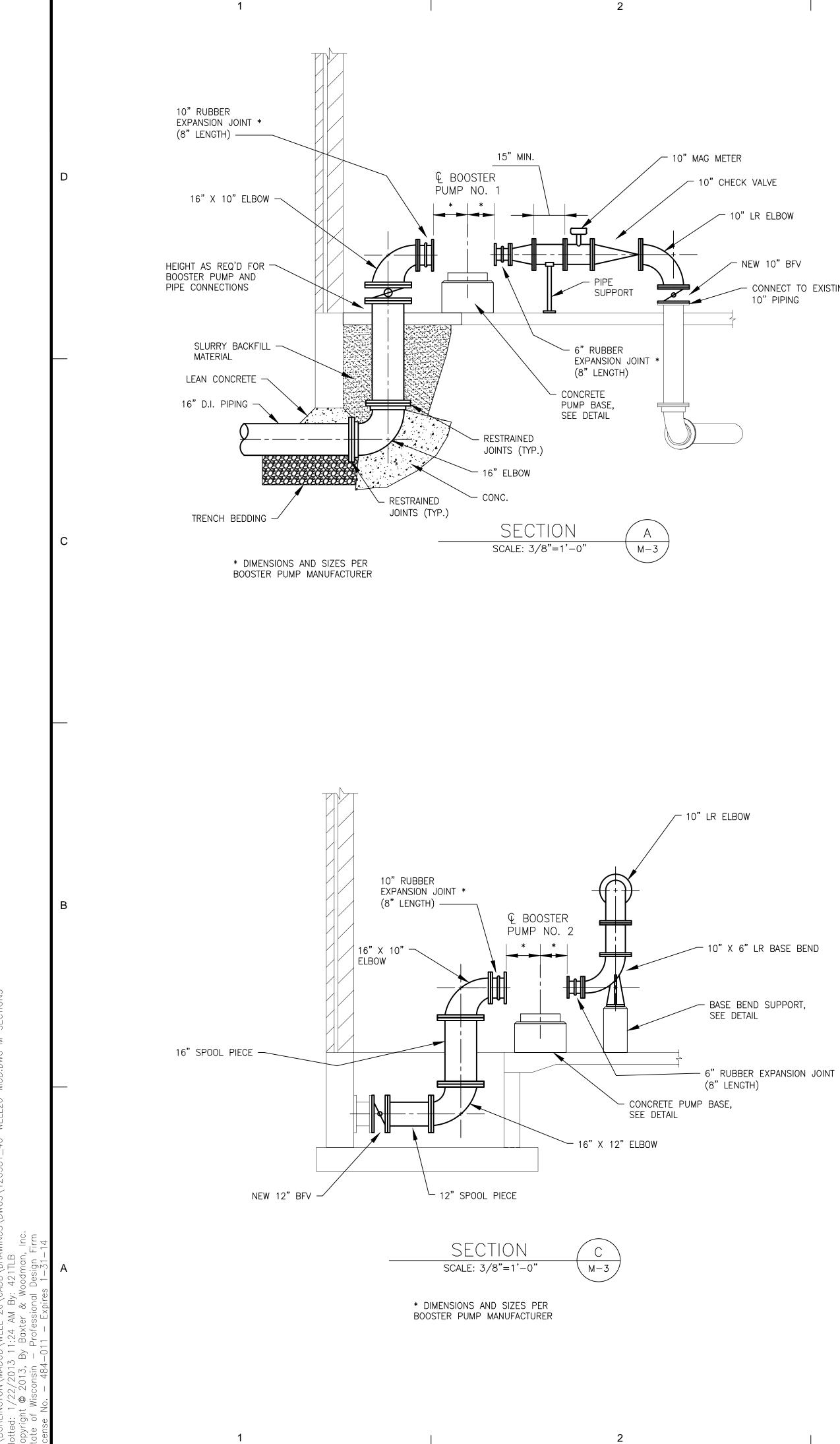
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		PLAN SHEET DESIGNATION						
		G - GENERAL H - HEATING & VENTILATING C - CIVIL L - LANDSCAPE						
		S - STRUCTURAL A - ARCHITECTURAL I - INSTRUMENTATION						
		<ul> <li>Q - EQUIPMENT</li> <li>F - FIRE PROTECTION</li> <li>P - PLUMBING</li> <li>M - MECHANICAL</li> </ul>						
		E - ELECTRICAL T - TELECOMMUNICATIONS OP - OPERATIONS						
		PROJECT NO:       120581.40         SCALE:       AS NOTED						
	E	DRAWING DATE: DESIGNED BY: GDG DRAWN BY: TLB						
		CHECKED BY: GDG						
		MADISON WATER UTILITY						
·	_	MADISON WATER UTILITY MADISON, WISCONSIN						
		UNIT WELL 20 PUMP AND MCC UPGRADES						
	A —	SHEET TITLE						
		DEMOLITION FLOOR PLAN						
	┢	ר ז <i>ו</i>						
5 <u>NOT FOR BIDDING</u>		M-1						







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				С	REVISIONS	DESCRIPTION			REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWING	" 0 1" 2" 3"
						NO. DATE			* * * *	1"5"
INSTALL NEW 350 HP WELL PUMP MOTOR, RECONNECT WITH NEW WIRING INCLUDING EXISTING VIBRATION MONITORING				В	C L S A I C F P M E T C PF O DF O	COVER G - GENE H - HEATI C - CIVIL - LANDS G - STRUG A - ARCH - INSTR Q - EQUIF	RAL NG & VEN SCAPE CTURAL ITECTURA UMENT PROTECT BING ANICAL FRICAL COMMUNI ATIONS 120 AS E: : GD0	NTILATI	<b>NS</b> -0	N
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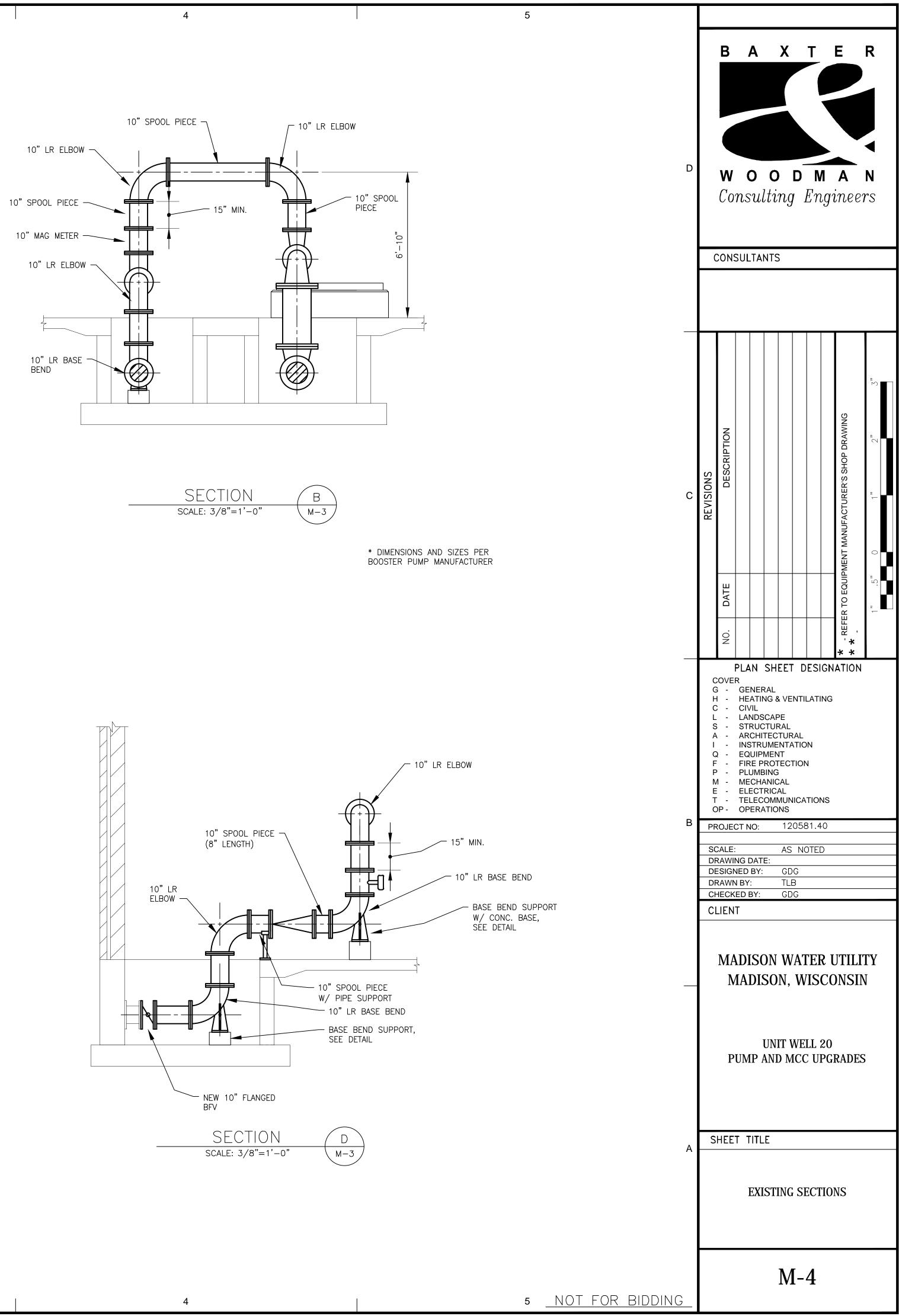


BASE BEND SUPPORT, SEE DETAIL

- 10" X 6" LR BASE BEND

← 10"LR ELBOW

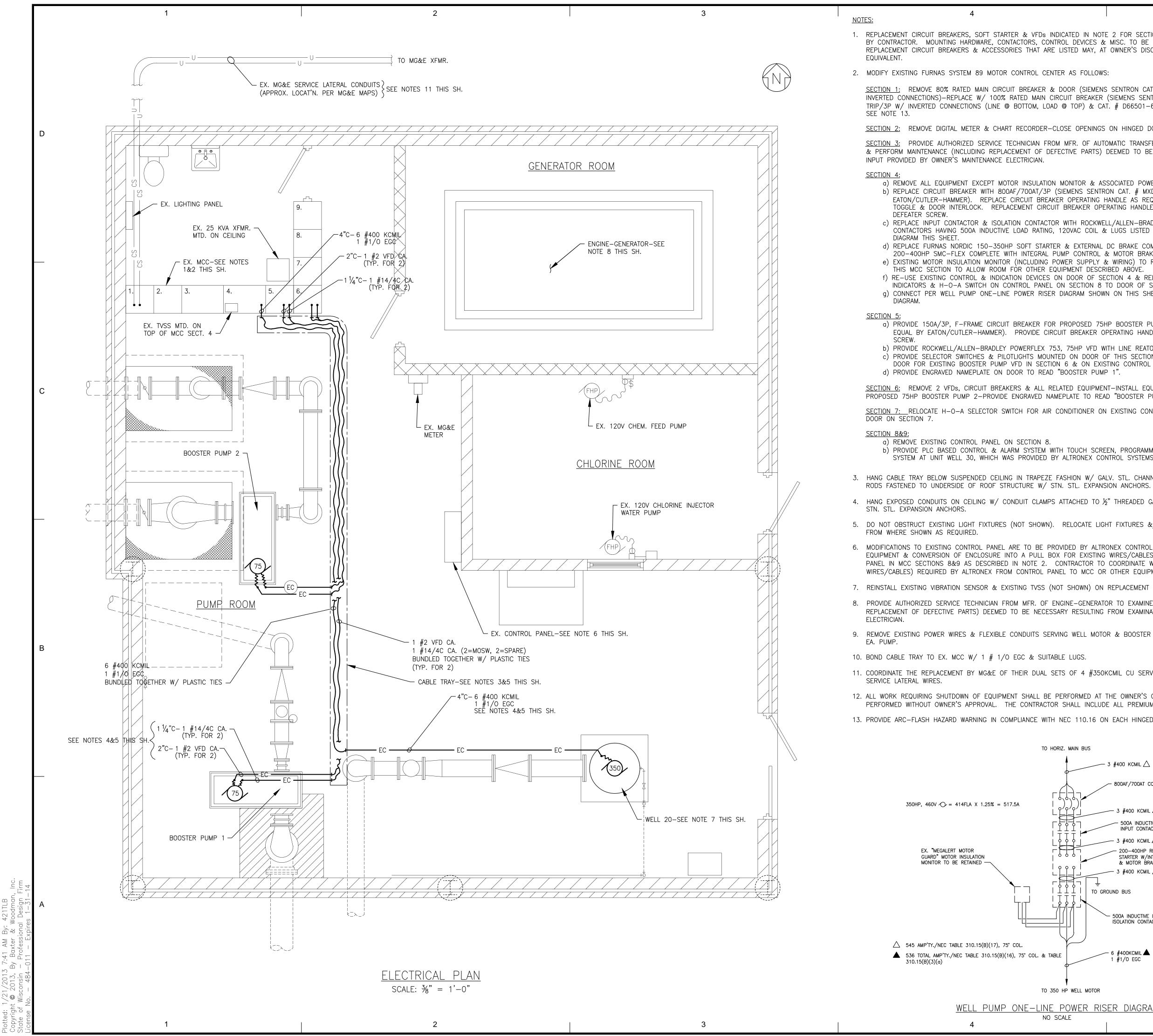
10" SPOOL PIECE -(8"LENGTH) 10"LR ELBOW — - NEW 10" FLANGED BFV



- NEW 10" BFV CONNECT TO EXISTING 10" PIPING 3

10" LR ELBOW

- 10" CHECK VALVE



△ 545 AMP'TY./NEC TABLE 310.15(B)(17), 75° COL. 536 TOTAL AMP'TY./NEC TABLE 310.15(B)(16), 75° COL. & TABLE

WELL PUMP ONE-LINE POWER RISER DIAGRAM

