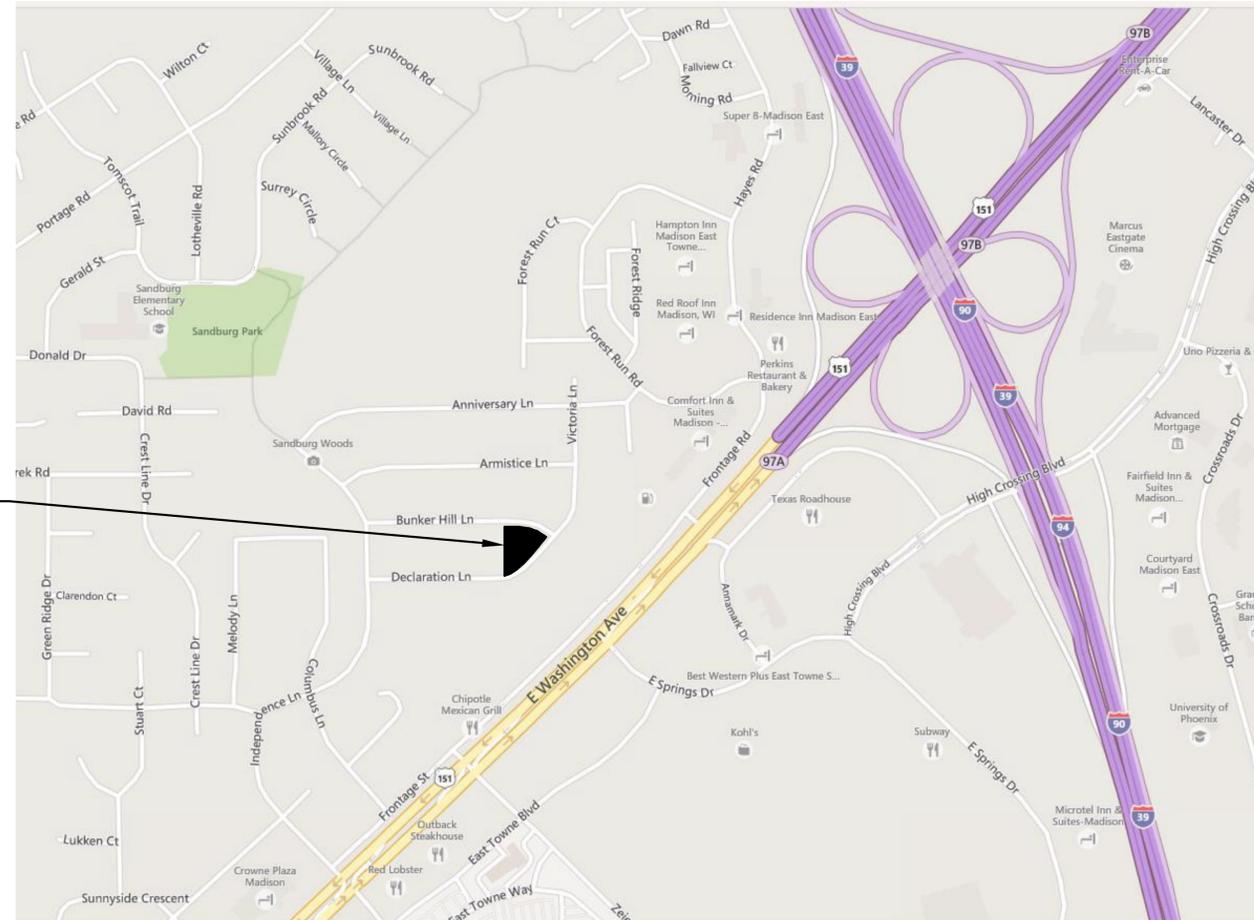


MADISON WATER UTILITY MADISON, WISCONSIN WATER SYSTEM IMPROVEMENTS BOOSTER PUMPING STATION 115 UPGRADE

PROJECT LOCATION
4701 BUNKER HILL LANE



EXISTING UTILITIES:

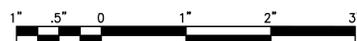
WHERE THE DRAWINGS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES. THE INFORMATION IS INCLUDED ONLY FOR THE CONVENIENCE OF THE CONTRACTOR. THE UTILITY LOCATIONS WERE DETERMINED FROM THE BEST AVAILABLE RECORDS. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATEVER WITH RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE DRAWINGS REGARDING THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THE CONTRACTOR SHALL OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION REGARDING THE LOCATION OF THE UTILITY FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THE FACILITIES.



TO OBTAIN LOCATION OF PARTICIPANT'S UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.



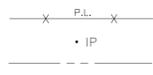
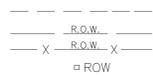
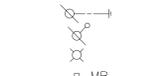
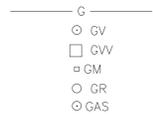
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LICENSE NO. - 484-001 - EXPIRES 1/31/2014

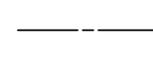
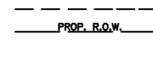
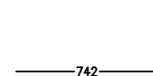
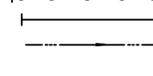
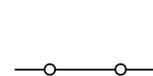
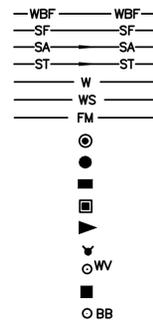
PROJECT NO.: 140218 DATE: 12-1-2014

EXISTING



LEGEND

PROPOSED



ABBREVIATIONS

CL	CENTERLINE	R	STRUCTURE TO BE RECONSTRUCTED
CONC	PORTLAND CEMENT CONCRETE	A	STRUCTURE TO BE ADJUSTED
BIT	BITUMINOUS PAVEMENT	▲	CENTRAL ANGLE
GR	GRAVEL	D=	DEGREE OF CURVE
CMP	CORRUGATED METAL PIPE	T=	TANGENT LENGTH
FH	FIRE HYDRANT	L=	CURVE LENGTH
CI	CAST IRON	R=	RADIUS OF CURVE
DI	DUCTILE IRON	E=	EXTERNAL DISTANCE
F-F	FACE-TO-FACE	SE=	SUPERELEVATION (FT. PER FT. OF WIDTH)
E-E	EDGE-TO-EDGE	X=	EXTERNAL DISTANCE OF VERTICAL CURVE
B-B	BACK-TO-BACK	PC	POINT OF CURVATURE
BM	BENCH MARK	PI	POINT OF INTERSECTION
INV EL	INVERT ELEVATION	PT	POINT OF TANGENCY
CL EL	CENTERLINE ELEVATION	POT	POINT ON TANGENCY
P	POINT	PCC	POINT OF COMPOUND CURVATURE
G	GUTTER	PRC	POINT OF REVERSE CURVATURE
C	CURB	VC	VERTICAL CURVE
BC	BACK OF CURB	N&W	NAIL AND WASHER
EOP	EDGE OF PAVEMENT	TCE	TEMPORARY CONSTRUCTION EASEMENT
PL	PROPERTY LINE		
ROW	RIGHT OF WAY		
FL	FLOW LINE		
TF	TOP OF FRAME		
TC	TOP OF CURB OR CONCRETE		

BENCHMARKS

- B.M. #1 SPIKE IN POWER POLE AT SOUTHWEST CORNER OF SITE, ELEV. = 981.41
- B.M. #2 SPIKE IN POWER POLE AT SOUTHWEST CORNER OF INTERSECTION OF BUNKER HILL LANE AND DECLARATION DRIVE, ELEV. = 985.97
- B.M. #3 SPIKE IN POWER POLE AT NORTHWEST CORNER OF SITE, ELEV. = 979.24

INDEX

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GENERAL NOTES

- ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH CITY OF MADISON STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND MADISON WATER UTILITY & DEPARTMENT OF NATURAL RESOURCES REQUIREMENTS.
- EROSION CONTROL DEVICES SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF ANY WORK, IN ACCORDANCE WITH THE EROSION CONTROL NOTES LISTED BELOW.
- 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.
- WHERE THE PROPOSED PAVEMENT, SIDEWALK, OR DRIVEWAYS ABUT EXISTING PAVEMENT SHALL BE SAW-CUT TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING SURFACES AND SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
- CONTRACTOR SHALL PROTECT FROM DAMAGE ALL TREES, BUSHES, CONCRETE AND ASPHALT AREAS TO REMAIN.
- ONLY CITY OF MADISON PERSONNEL ARE ALLOWED TO OPERATE VALVES AND FIRE HYDRANTS. HYDRANTS SHALL NOT BE UTILIZED FOR MISCELLANEOUS WATER USE.
- CONTRACTOR SHALL CONTACT THE CITY OF MADISON WATER UTILITY 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK ON THE SITE.



CONSULTANTS

MADISON WATER UTILITY
MADISON, WISCONSIN

WATER SYSTEM IMPROVEMENTS
BOOSTER PUMPING STATION 115
UPGRADE

SHEET TITLE

GENERAL NOTES, INDEX
LEGEND, ABBREVIATIONS
AND BENCHMARKS

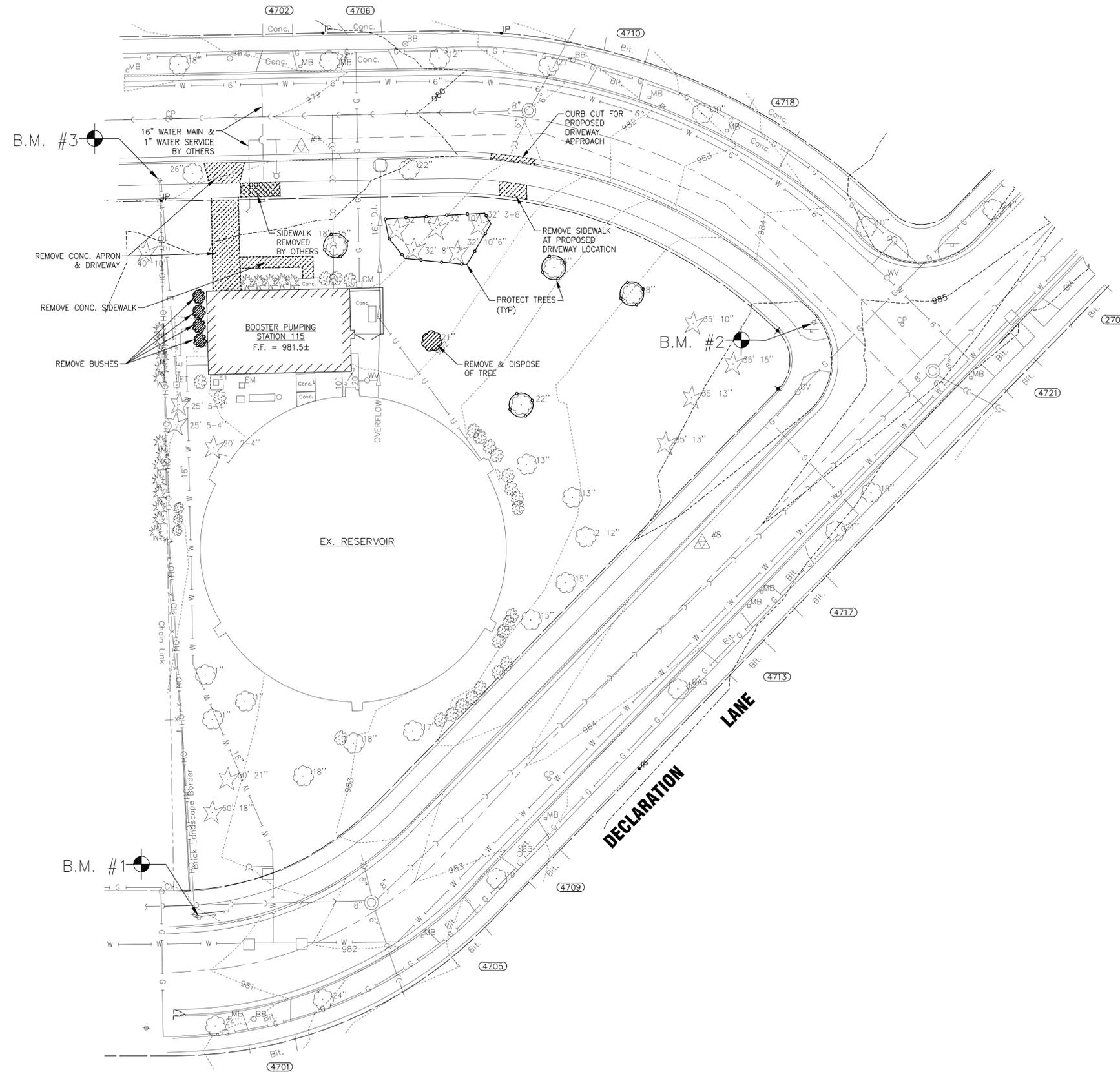
G-1

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SCALE: 1" = 20'

BUNKER HILL LANE



BAXTER & WOODMAN
 Consulting Engineers

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* REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWING

PLAN SHEET DESIGNATION

COVER	
GC	GENERAL
HM	HAZARDOUS MATERIALS
C	CIVIL
L	LANDSCAPE
S	STRUCTURAL
A	ARCHITECTURAL
I	INSTRUMENTATION
EQ	EQUIPMENT
FP	FIRE PROTECTION
P	PLUMBING
M	MECHANICAL
E	ELECTRICAL
T	TELECOMMUNICATIONS
R	RESOURCE

PROJECT NO:	140218
SCALE:	AS NOTED
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DRAWN BY:	RGE
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**MADISON WATER UTILITY
 MADISON, WISCONSIN**

**WATER SYSTEM IMPROVEMENTS
 BOOSTER PUMPING STATION 115
 UPGRADE**

SHEET TITLE
SITE DEMOLITION PLAN

C-1

CONSULTANTS

NO.	DATE	DESCRIPTION

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PLAN SHEET DESIGNATION

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H I G	GENERAL
H A Z	HAZARDOUS MATERIALS
C I V I L	CIVIL
L A N D S C A P E	LANDSCAPE
S T R U C T U R A L	STRUCTURAL
A R C H I T E C T U R A L	ARCHITECTURAL
I N S T R U M E N T A T I O N	INSTRUMENTATION
E Q U I P M E N T	EQUIPMENT
F I R E P R O T E C T I O N	FIRE PROTECTION
P L U M B I N G	PLUMBING
M E C H A N I C A L	MECHANICAL
E L E C T R I C A L	ELECTRICAL
T E L E C O M M U N I C A T I O N S	TELECOMMUNICATIONS
R E S O U R C E	RESOURCE

PROJECT NO:	140218
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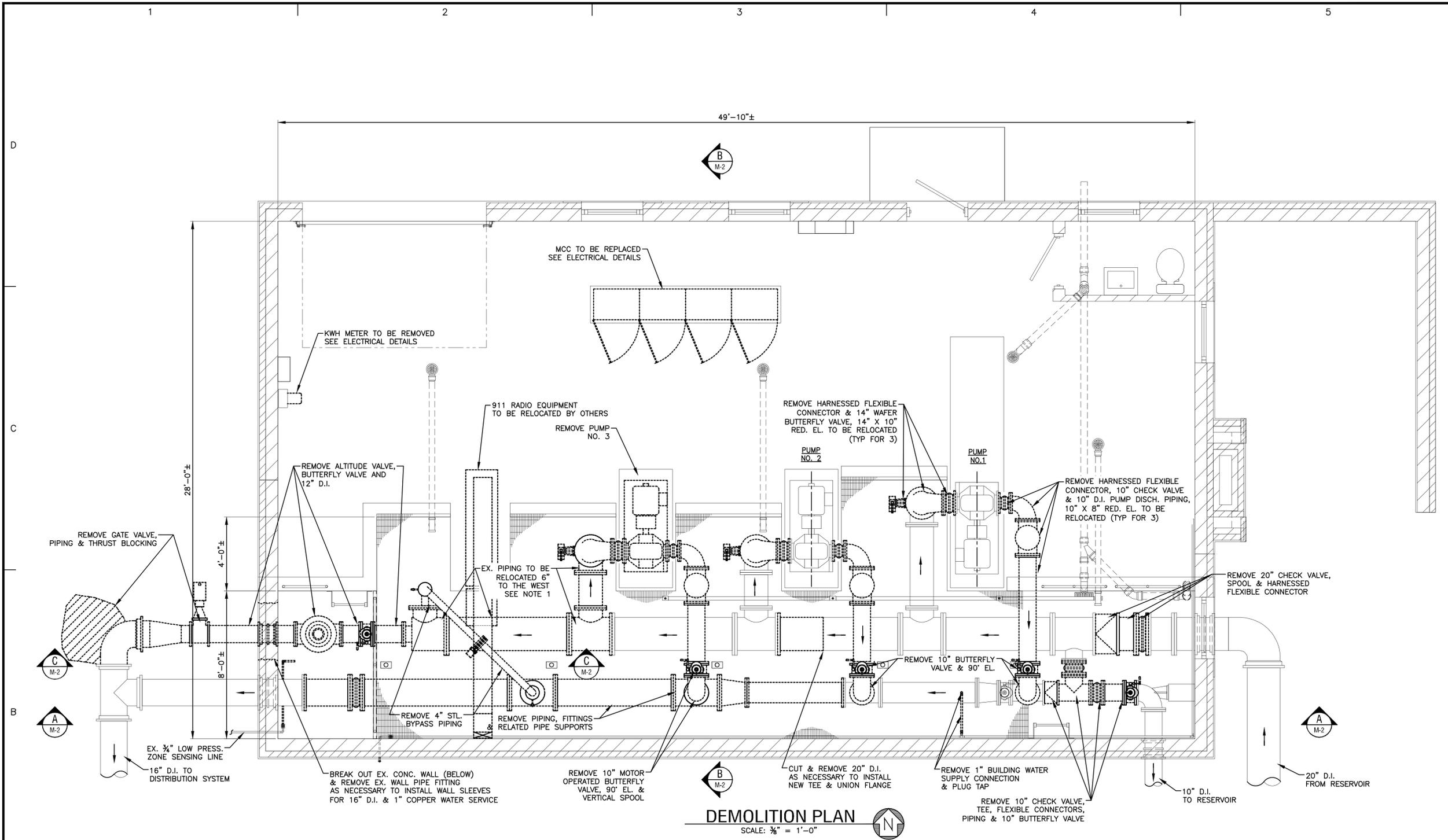
**MADISON WATER UTILITY
MADISON, WISCONSIN**

**WATER SYSTEM IMPROVEMENTS
BOOSTER PUMPING STATION 115
UPGRADE**

SHEET TITLE

DEMOLITION PLAN

M-1

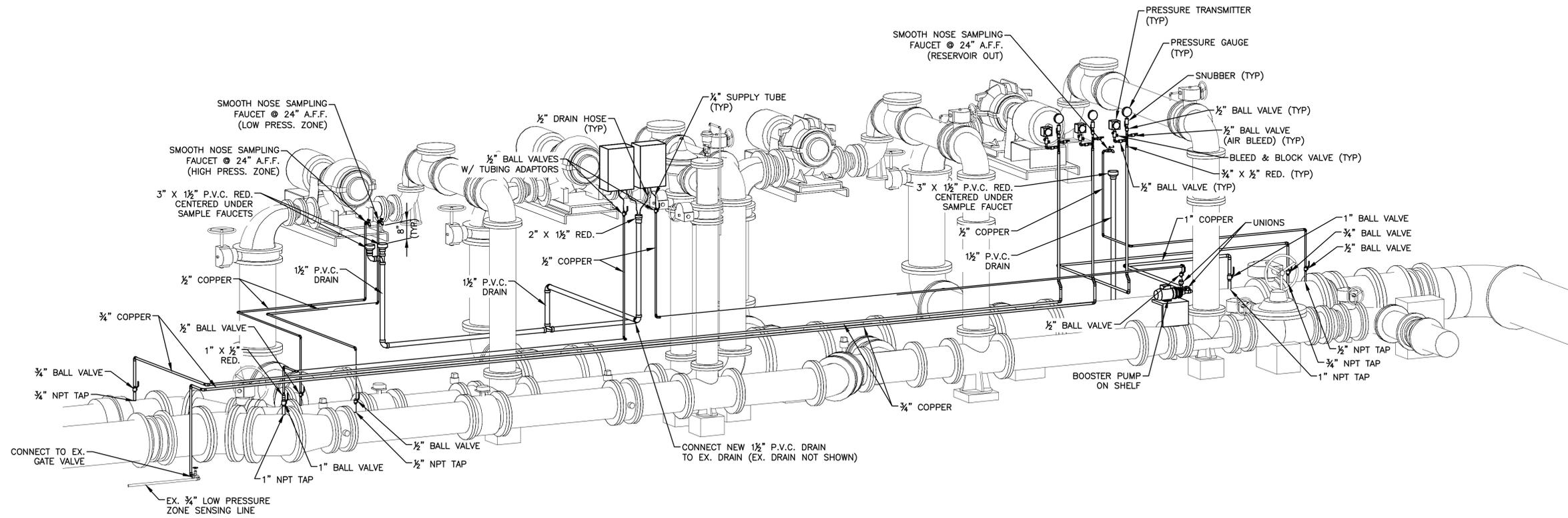


DEMOLITION PLAN
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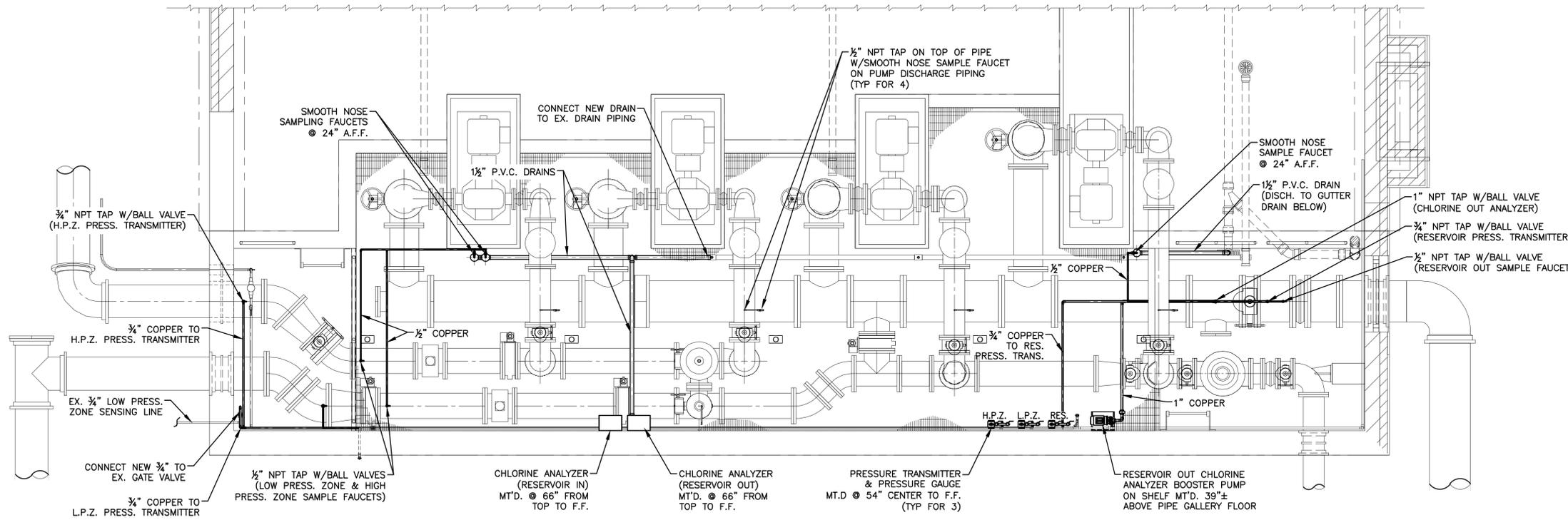
- NOTES
- EXISTING SUCTION PIPING FOR BP-3 & BP-4 ONLY NEEDS TO BE MOVED TO ACCOMMODATE ALTERNATIVE BOOSTER PUMPS THAT REQUIRE PUMP DISCHARGE TO PUMP SUCTION CENTERLINE DIMENSION GREATER THAN 36"

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PRESSURE TRANSDUCER & CHLORINE ANALYZER PIPING SCHEMATIC
 NO SCALE



PRESSURE TRANSDUCER & CHLORINE ANALYZER PIPING PLAN
 SCALE: 3/8" = 1'-0"

CONSULTANTS

NO.	DATE	DESCRIPTION

REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWING

PLAN SHEET DESIGNATION

COVER	
G	GENERAL
H	HAZARDOUS MATERIALS
C	CIVIL
L	LANDSCAPE
S	STRUCTURAL
A	ARCHITECTURAL
I	INSTRUMENTATION
Q	EQUIPMENT
F	FIRE PROTECTION
P	PLUMBING
M	MECHANICAL
E	ELECTRICAL
T	TELECOMMUNICATIONS
R	RESOURCE

PROJECT NO: 140218

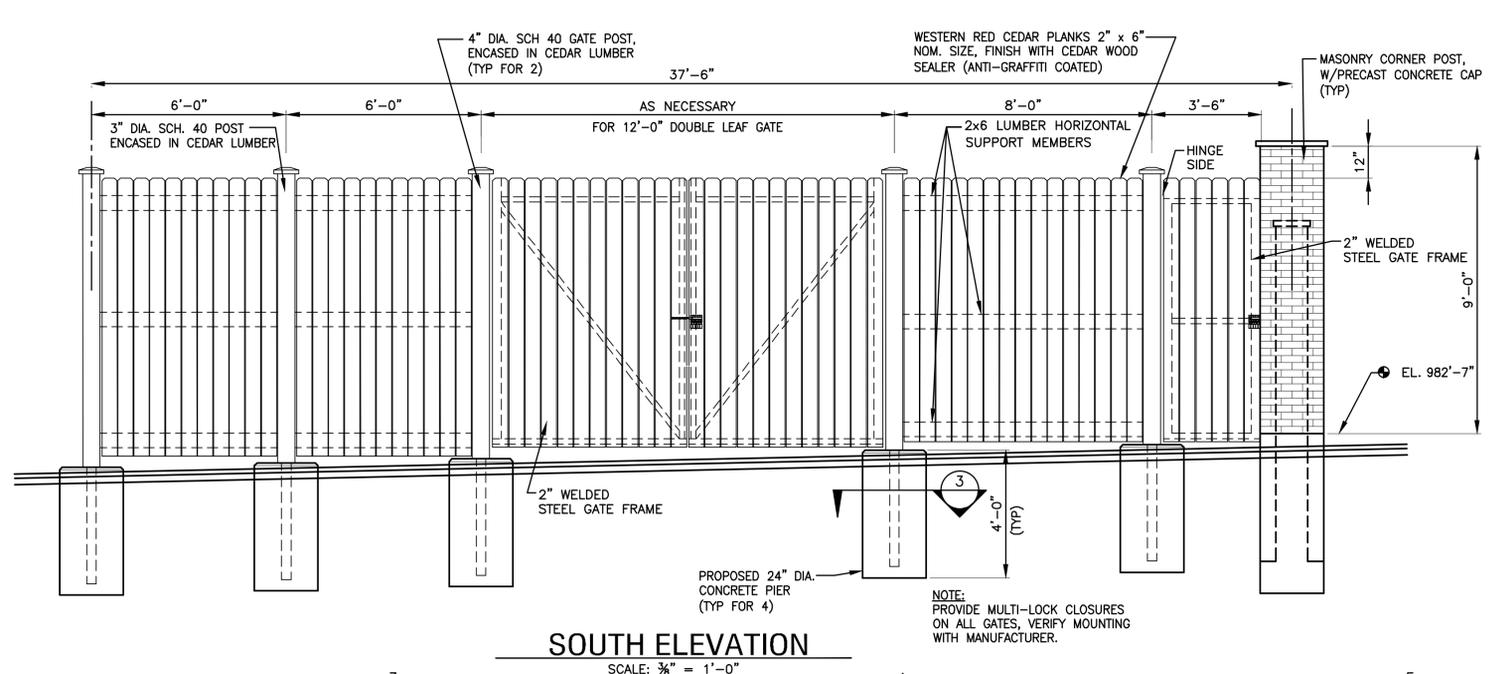
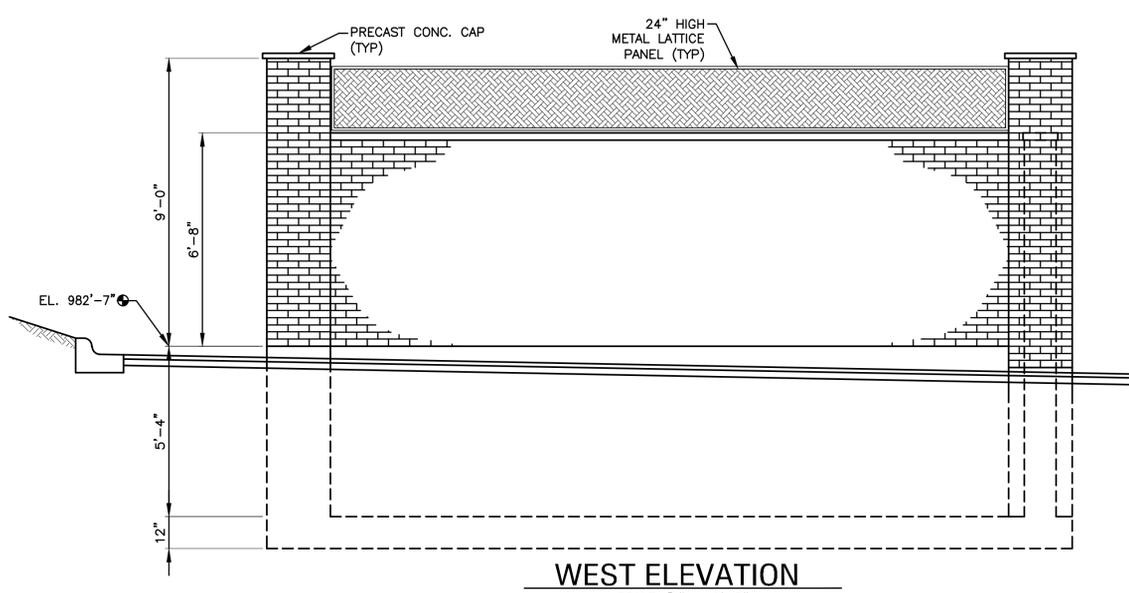
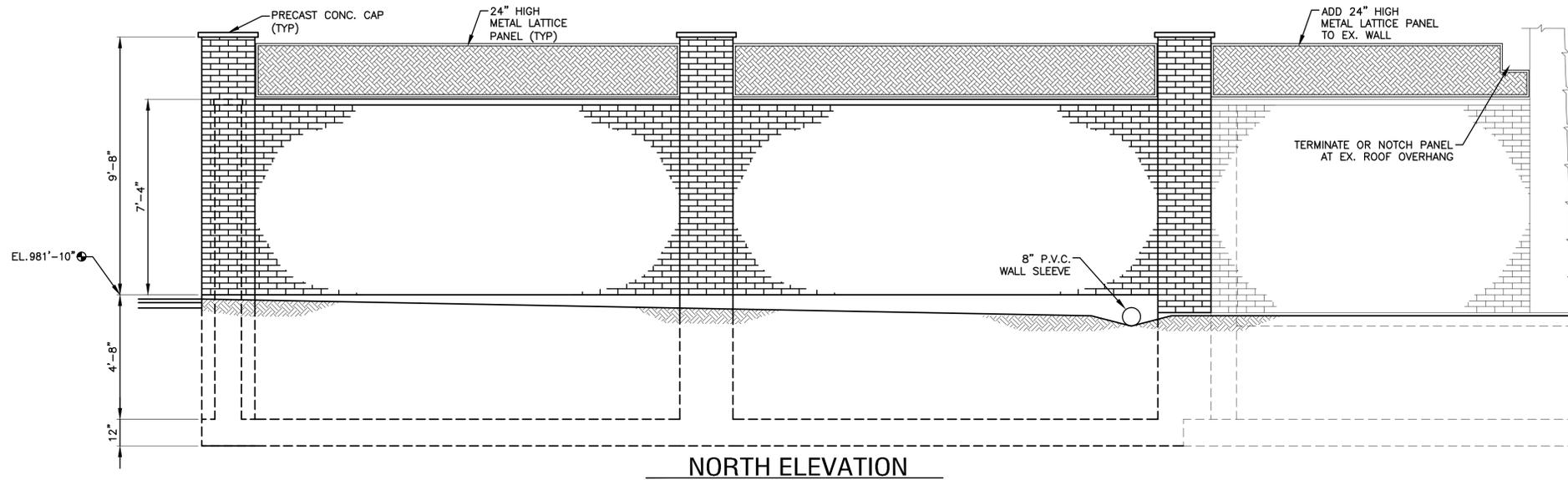
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 MADISON, WISCONSIN**

**WATER SYSTEM IMPROVEMENTS
 BOOSTER PUMPING STATION 115
 UPGRADE**

SHEET TITLE
PRESSURE TRANSDUCER PIPING

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PLAN SHEET DESIGNATION

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H.M.	HAZARDOUS MATERIALS
C.	CIVIL
L.	LANDSCAPE
S.	STRUCTURAL
A.	ARCHITECTURAL
I.	INSTRUMENTATION
E.	EQUIPMENT
F.P.	FIRE PROTECTION
P.	PLUMBING
M.	MECHANICAL
E.	ELECTRICAL
T.	TELECOMMUNICATIONS
R.	RESOURCE

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**MADISON WATER UTILITY
MADISON, WISCONSIN**

**WATER SYSTEM IMPROVEMENTS
BOOSTER PUMPING STATION 115
UPGRADE**

SHEET TITLE

**GENERATOR ENCLOSURE
EXTERIOR ELEVATIONS**

M-11

BUNKER HILL LANE

SCALE: 1" = 20'



CONSULTANTS

NO.	DATE	DESCRIPTION

REFER TO EQUIPMENT MANUFACTURER'S SHOP DRAWING

PLAN SHEET DESIGNATION

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C.	CIVIL
L.	LANDSCAPE
S.	STRUCTURAL
A.	ARCHITECTURAL
I.	INSTRUMENTATION
E.Q.	EQUIPMENT
F.P.	FIRE PROTECTION
P.	PLUMBING
M.	MECHANICAL
E.	ELECTRICAL
T.	TELECOMMUNICATIONS
R.	RESOURCE

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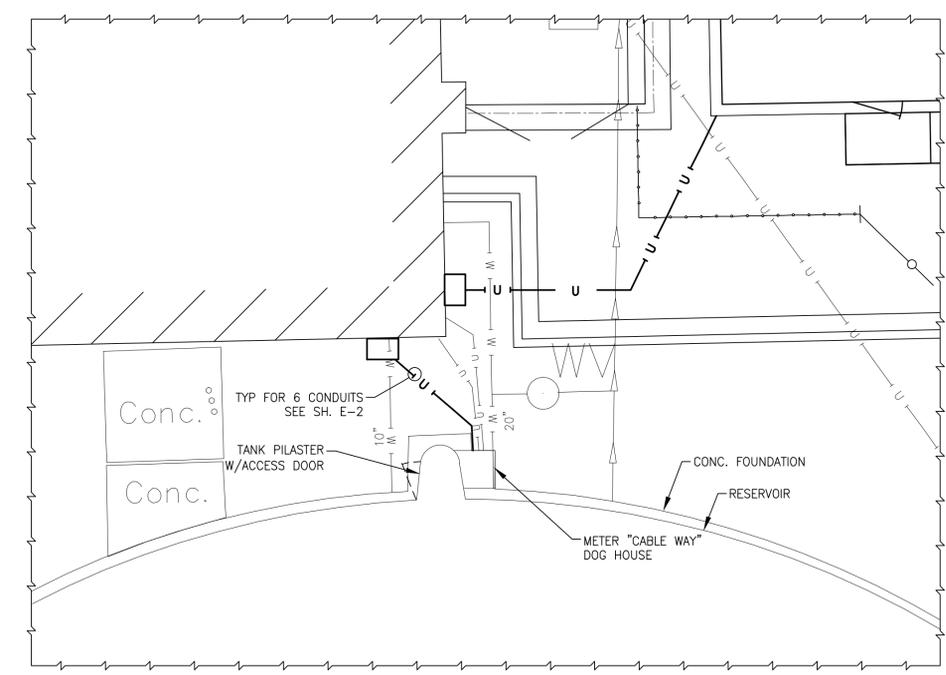
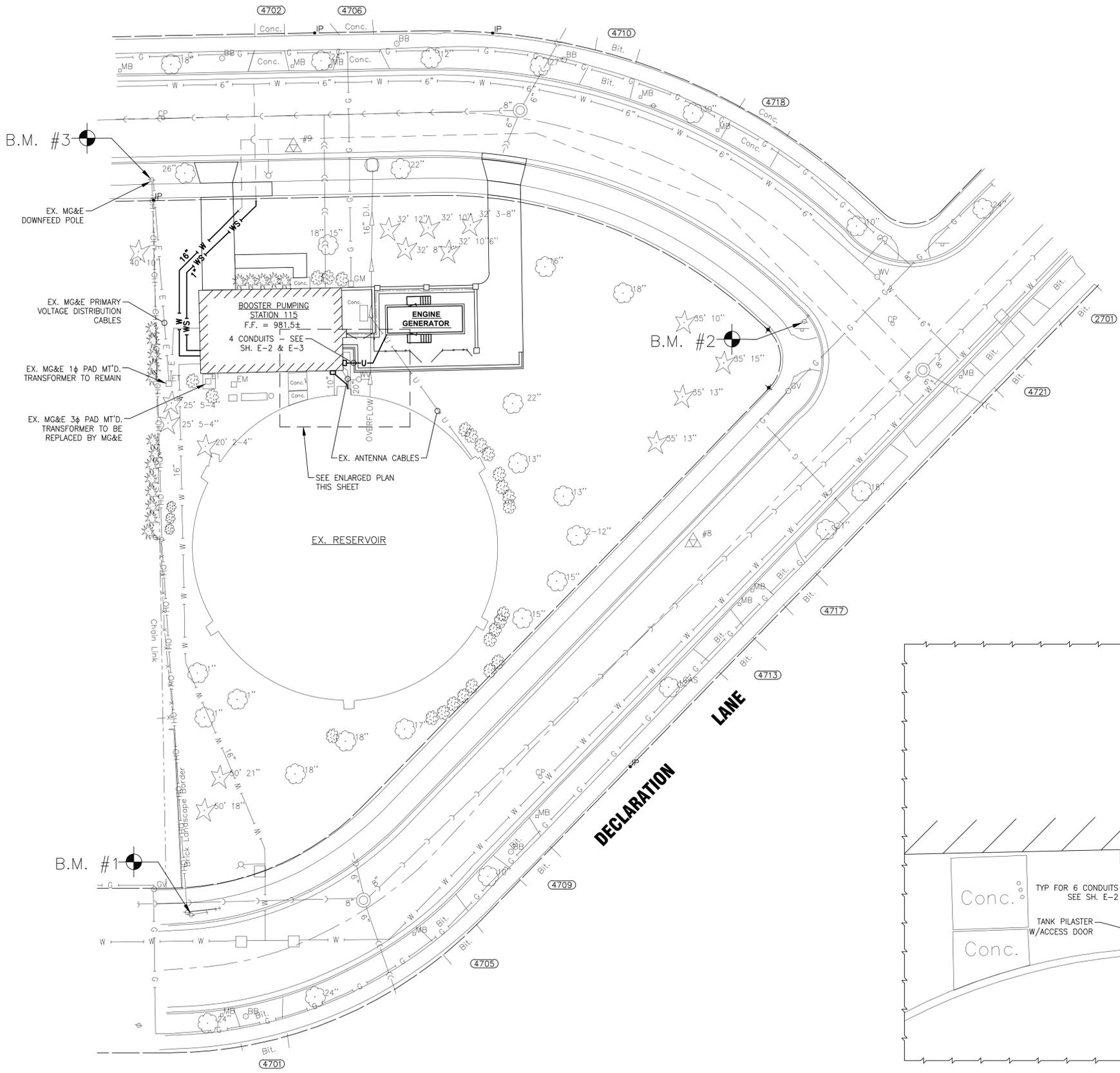
**MADISON WATER UTILITY
MADISON, WISCONSIN**

**WATER SYSTEM IMPROVEMENTS
BOOSTER PUMPING STATION 115
UPGRADE**

SHEET TITLE

ELECTRICAL SITE PLAN

E-1



ENLARGED PLAN
SCALE: 1" = 5'

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