

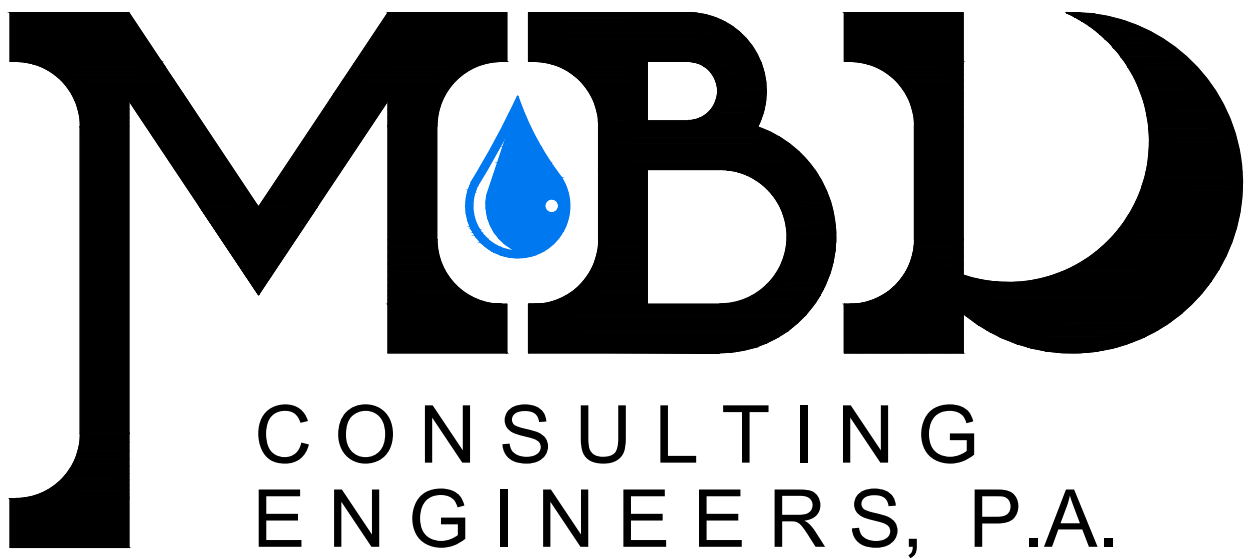
BULL CREEK WTP CHEMICAL FEED VAULTS

HORRY COUNTY, SOUTH CAROLINA



RECORD DRAWING	MARCH 2020
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Version: 2



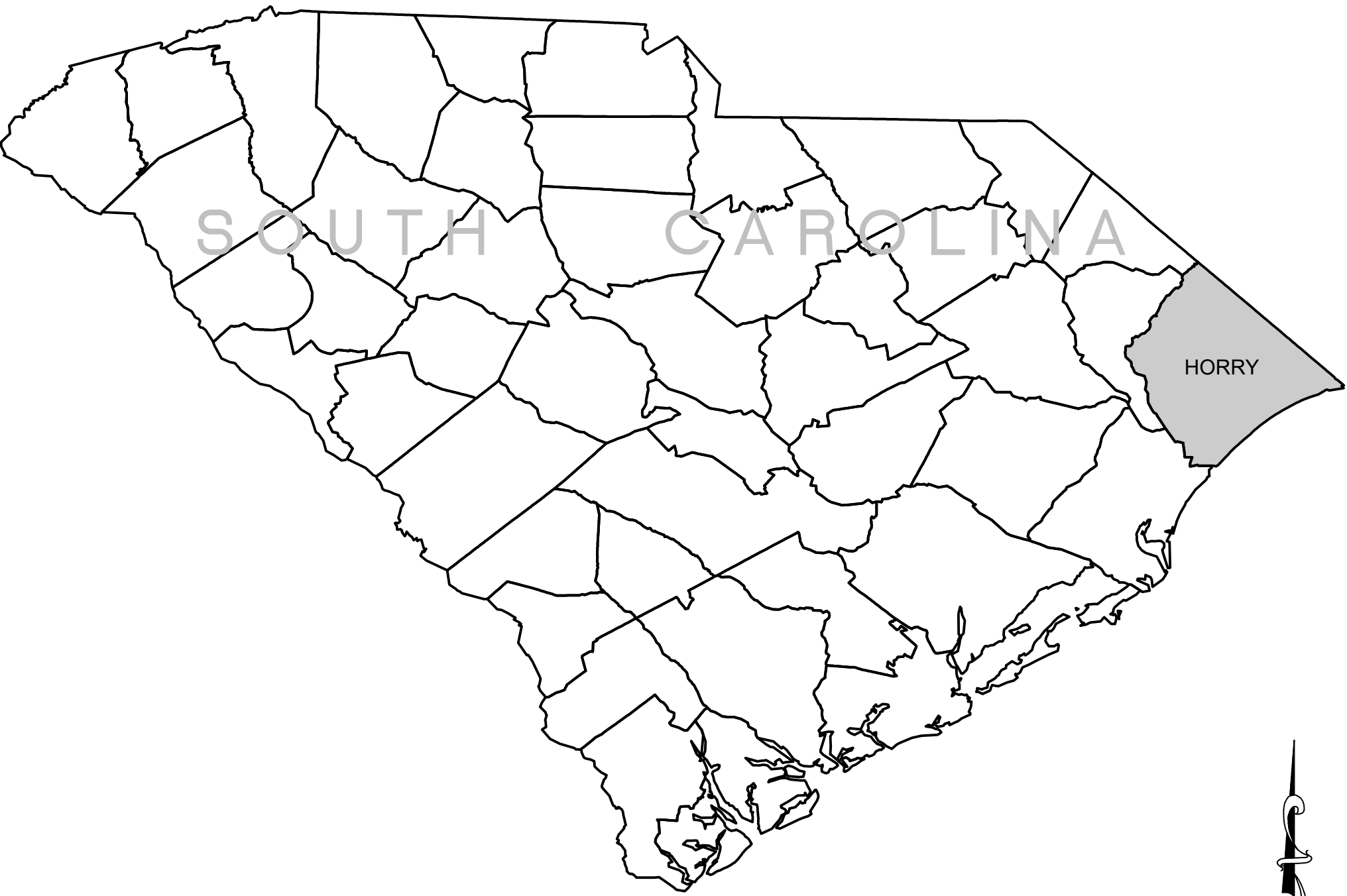
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SUITE 211
CONWAY, SC 29526
Phone: (843) 488-0124
Fax (843) 488-0129

MARCH 2020

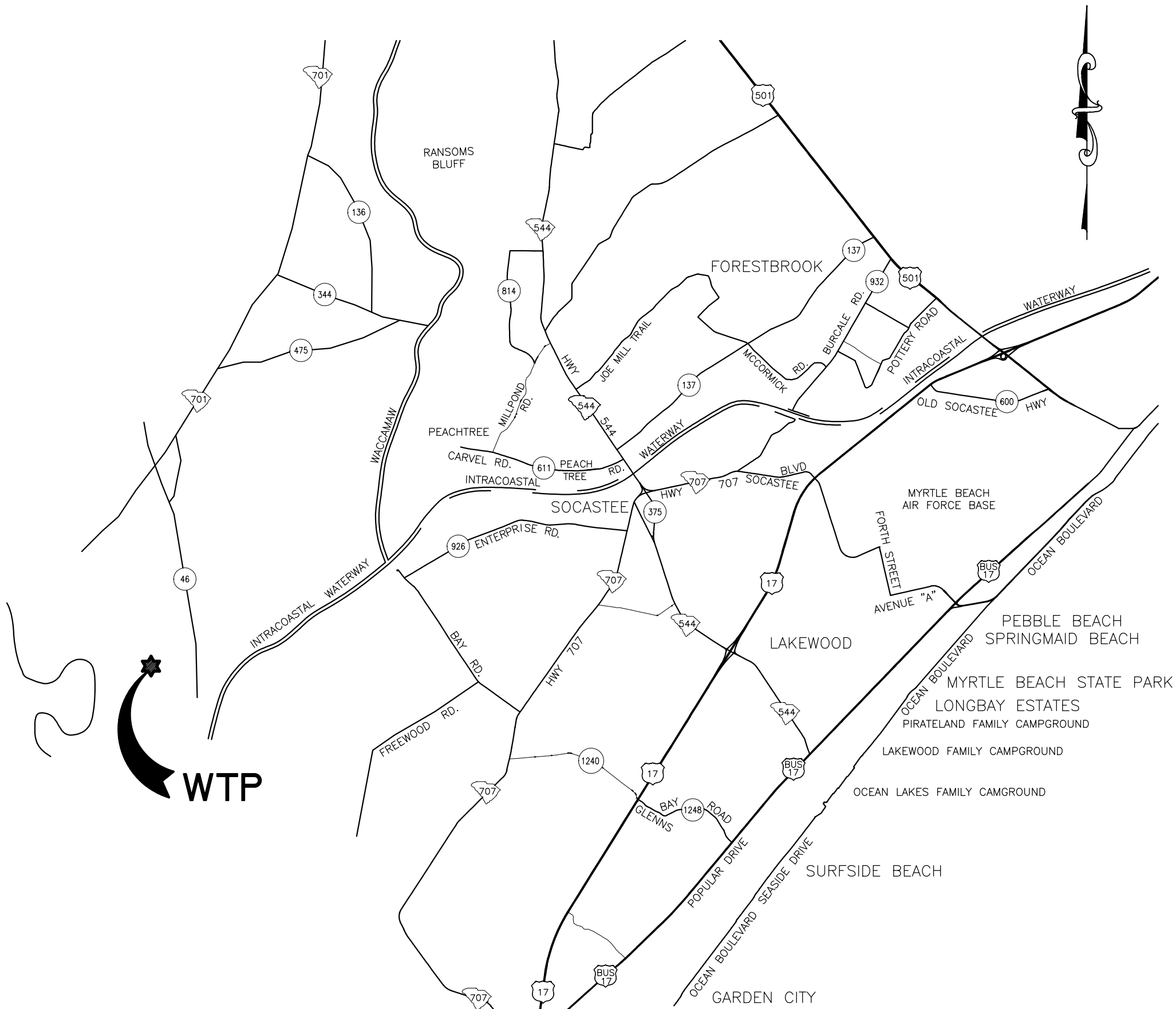
JOB NO. 319003

11x17 DWGS. ARE
TRUE HALF SCALE

AS-BUILT



LOCATION MAP
N.T.S.



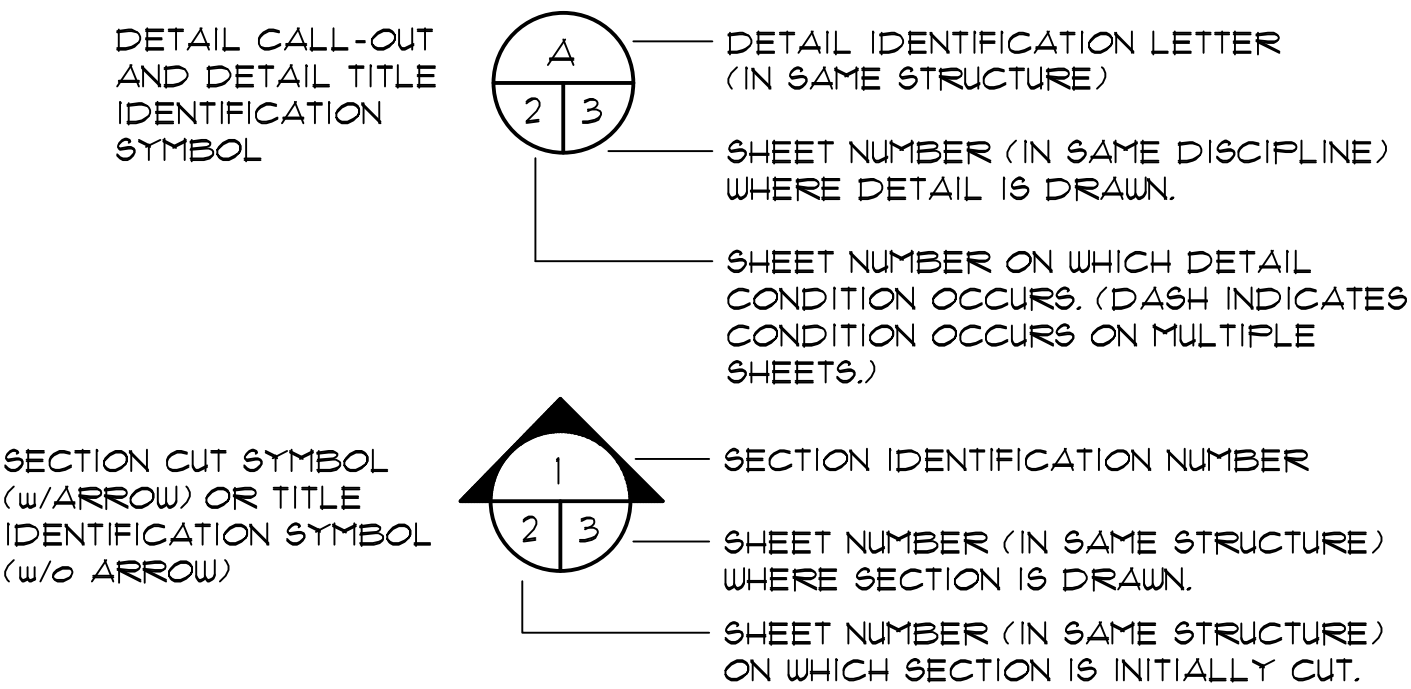
VICINITY MAP
N.T.S.

33-020-001/8

GENERAL CONSTRUCTION ABBREVIATIONS

#	NUMBER OR POUND	INFL	INFLUENT
∅	DIAMETER	INS.	INSIDE
≠	AND	INV.	INVERT
<	LESS THAN	JT.	JOINT
<=	LESS THAN OR EQUAL TO	JTS	JOINTS
>	GREATER THAN	L.L.O.	LONG LEG OUT
@	AT	LB	POUND
A.B.	ANCHOR BOLT	LG	LONG
A.F.F.	ABOVE FINISHED FLOOR	L.P.	LOW POINT
ADDL	ADDITIONAL	M.J.	MECHANICAL JOINT
ALUM	ALUMINUM OR ALUM	MATL.	MATERIAL
APPROX	APPROXIMATE(LY)	MAS	MASONRY
ARCH	ARCHITECTURAL	MAX	MAXIMUM
BM	BENCH MARK OR BEAM	MECH	MECHANICAL
BOTT.	BOTTOM	MFR	MANUFACTURER
B.W.	BLOCK WALL	MH	MANHOLE
C.I.	CAST IRON	MIN	MINIMUM
C/C	CENTER TO CENTER	MNTG	MOUNTING
CAP	CAPACITY	N.F.W.	NONPOTABLE WATER
CIRCUM	CIRCUMFERENCE	N.T.S.	NOT TO SCALE
CL	CLAY	NO.	NUMBER
CLR.	CLEARANCE	O.C.	ON CENTER
CL	CENTERLINE	O/O	OUTSIDE TO OUTSIDE
CL2	CHLORINE	OPNG	OPENING
CLARIF	CLARIFIER	OX	OXIDATION
CHEM.	CHEMICAL	P.E.	PLAIN END
COL	COLUMN	PED	PEDESTAL
CONC.	CONCRETE	PL	PLATE
CONST	CONSTRUCTION	PLCS.	PLACES
CONT	CONTINUOUS	PROJ	PROJECTION
CONTR	CONTRACTOR	P.S.	PUMP STATION
CU	COPPER	P.V.C.	POLYVINYL CHLORIDE
C.W.	CONCRETE WALL	R.C.P.	REINFORCED CONCRETE PIPE
D	DIAMETER	RAD.	RADIUS
DIA	DIAMETER	RAS	RETURN ACTIVATED SLUDGE
D.I.P.	DUCTILE IRON PIPE	RED	REDUCER
DISCH.	DISCHARGE	REF	REFERENCE
DP	DEEP	REINF	REINFORCING OR REINFORCED
DWLS.	DOWELS	REQ'D	REQUIRED
E.F.	EACH FACE	S.S.	STAINLESS STEEL
E.J.	EXPANSION JOINT	SCH.	SCHEDULE
EA	EACH	SHT	SHEET
EFF.	EFFLUENT	SIM	SIMILAR
EL	ELEVATION	SO2	SULFUR DIOXIDE
ELEV	ELEVATION	SFA	SPACES
EQ	EQUAL	SQ.	SQUARE
EQUIP	EQUIPMENT	STD.	STANDARD
EXIST.	EXISTING	STL	STEEL
EXP.	EXPANSION	STN	STAINLESS
F.E.S.	FLARED END SECTION	S.W.	SLAB WIDTH
F.R.P.	FIBERGLASS REINFORCED PLASTIC	S.W.D.	SIDE WALL DEPTH
		T/	TOP OF
FIG	FIGURE	TCJ,CJ	TYP. CONTROL JOINT, CONSTRUCTION JOINT
FIN	FINISHED		
FL	FLANGE	THRD	THREAD(SXED)
FLR	FLOOR	TRICK	TRICKLING
FTG	FOOTING	TYP	TYPICAL
GALV	GALVANIZED	U.O.N.	UNLESS OTHERWISE NOTED
HDWE	HARDWARE	VERT	VERTICAL
HK	HOOK	W.W.F.	WELDED WIRE FABRIC
HORIZ.	HORIZONTAL	W/	WITH
H.P.	HIGH POINT	W/O	WITHOUT
HYD	HYDRANT	WAS	WASTE ACTIVATED SLUDGE
I.D.	INSIDE DIAMETER	W/L	WATER LEVEL
O.D.	OUTSIDE DIAMETER		

SECTION/DETAIL LEGEND



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PLAN VIEWS AND DETAILS
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CHLORINE FEED BUILDING PLAN

RECORD DRAWING

MARCH 2020

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M.B.D.
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GENERAL NOTES & INDEX

BULL CREEK WTP
CHEMICAL FEED VAULTS
GRAND STRAND WATER AND
SEWER AUTHORITY

Scale: AS SHOWN

Date: MAR. 2020

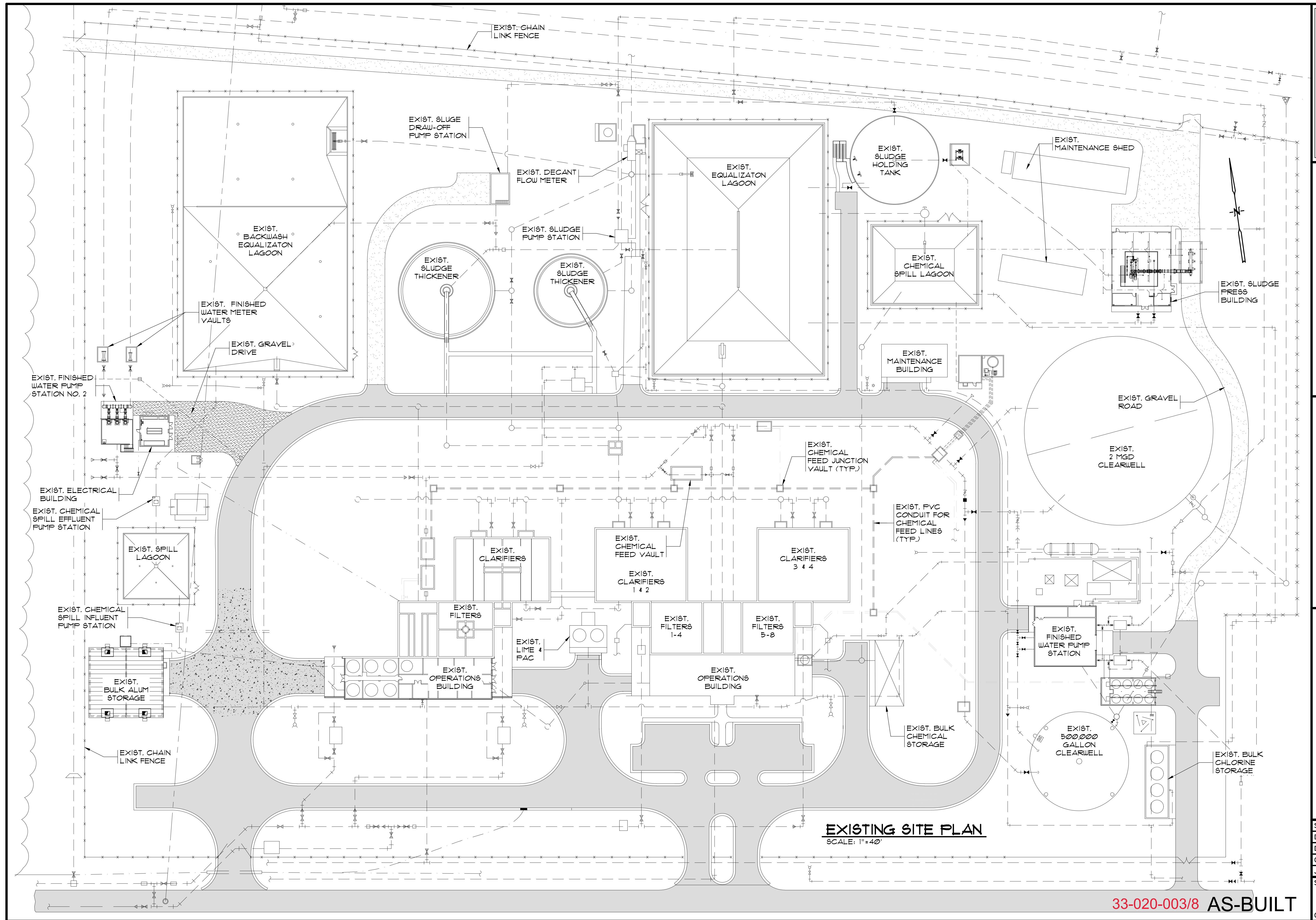
Drawn: DC

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Sheet No.: G-2

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EXISTING SITE PLAN
SCALE: 1"=40'

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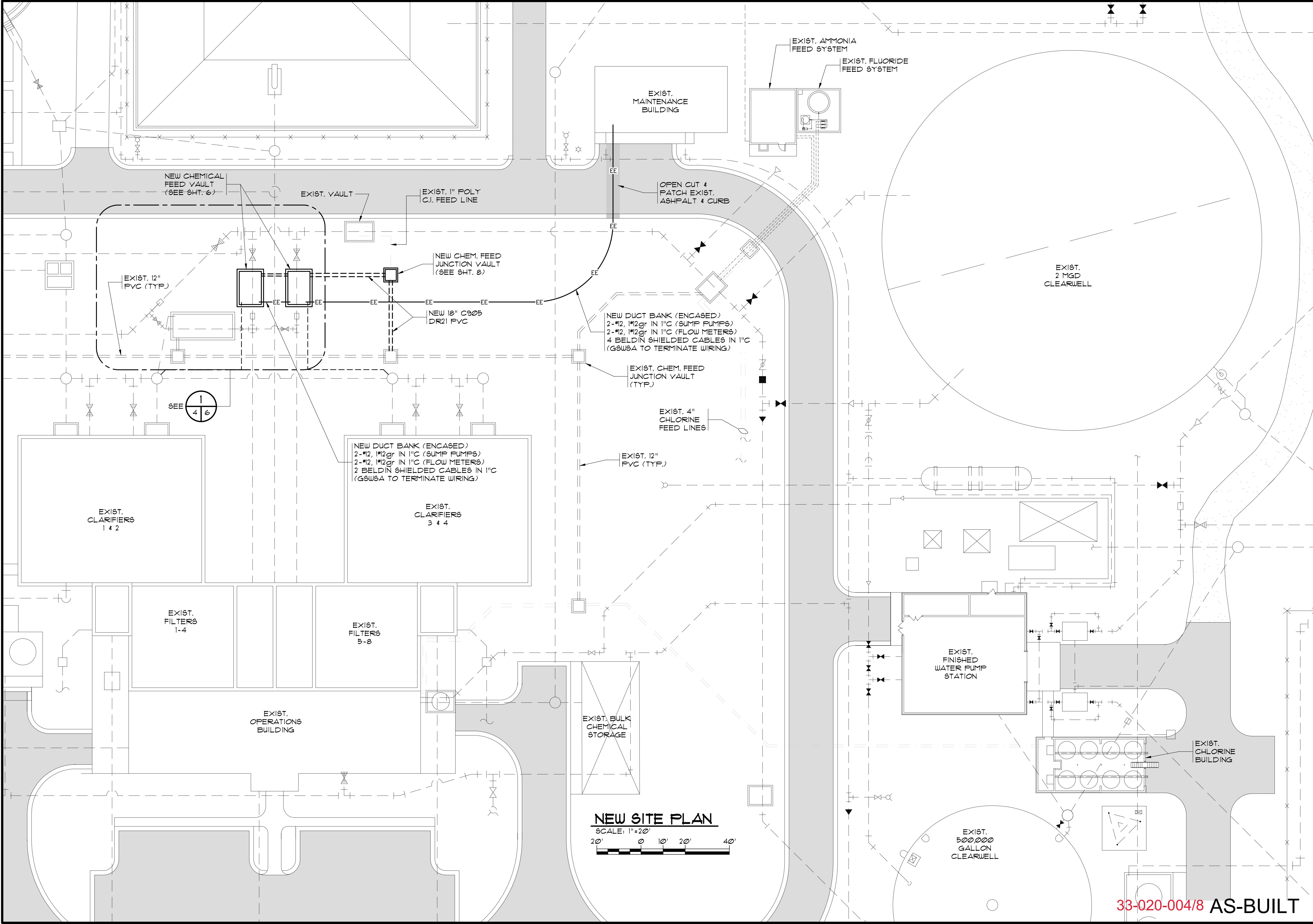
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EXISTING SITE PLAN

**BULL CREEK WTP
CHEMICAL FEED VAULTS
GRAND STRAND WATER AND
SEWER AUTHORITY**

Scale: AS SHOWN
Date: MAR. 2020
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Job No.: 319003
Sheet No.:
G-3
Of: 2 Version: 2

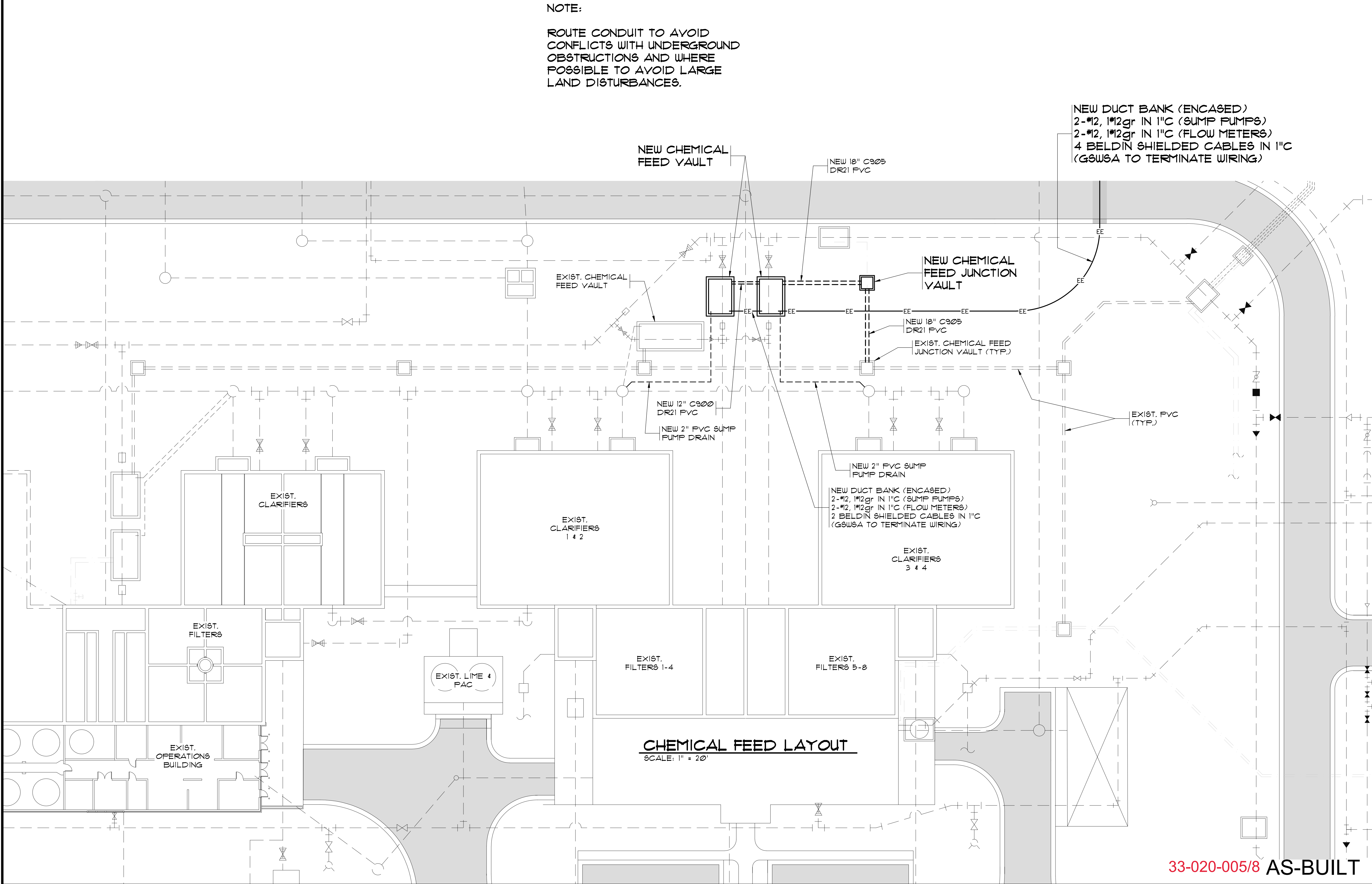
33-020-003/8 AS-BUILT



NEW SITE PLAN
SCALE: 1"=20'
20' 0' 10' 20' 40'

33-020-004/8 AS-BUILT

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CHEMICAL FEED
LAYOUT

BULL CREEK WTP
CHEMICAL FEED VAULTS
GRAND STRAND WATER AND
SEWER AUTHORITY

Scale: AS SHOWN

Date: MAR. 2020

Drawn: DC

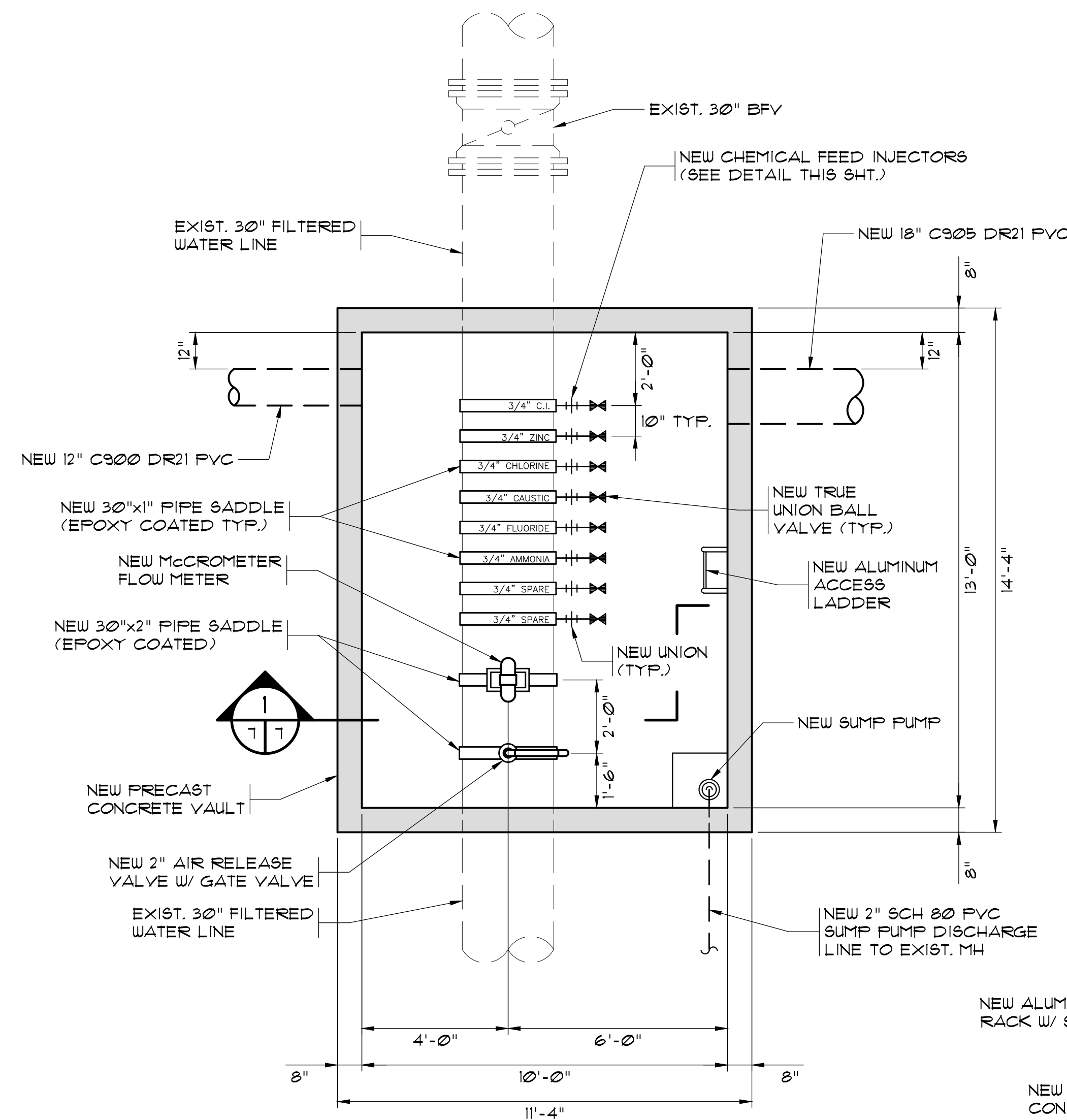
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Job No.: 319003

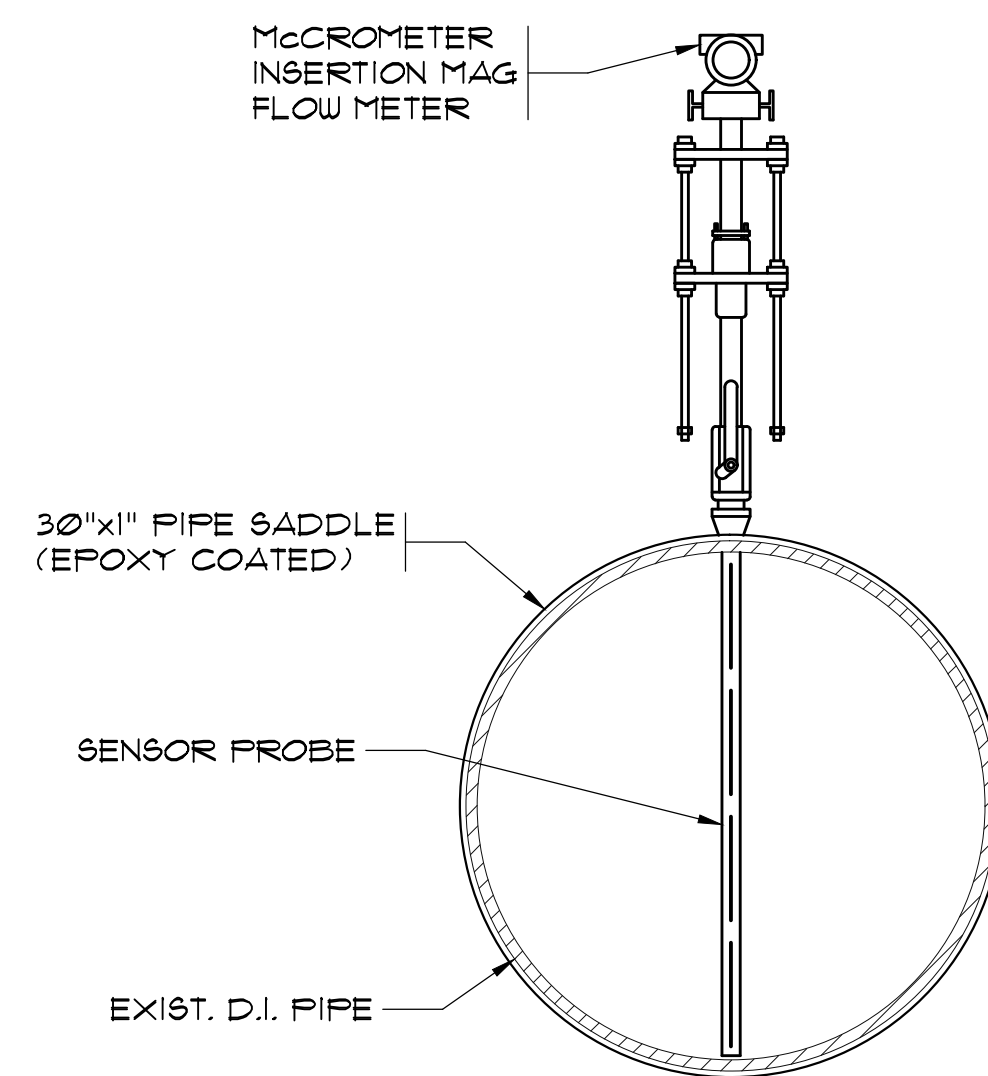
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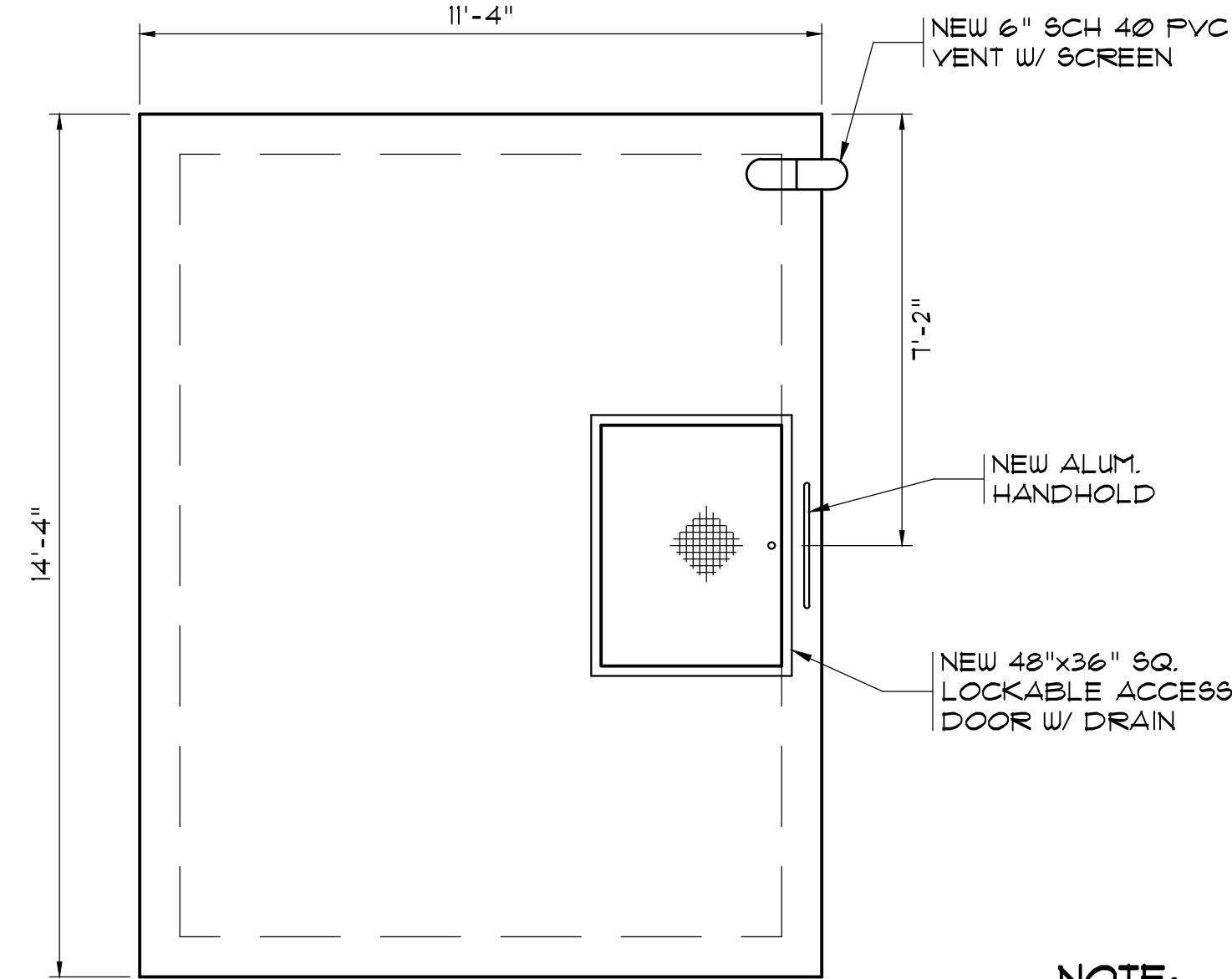
33-020-005/8 AS-BUILT



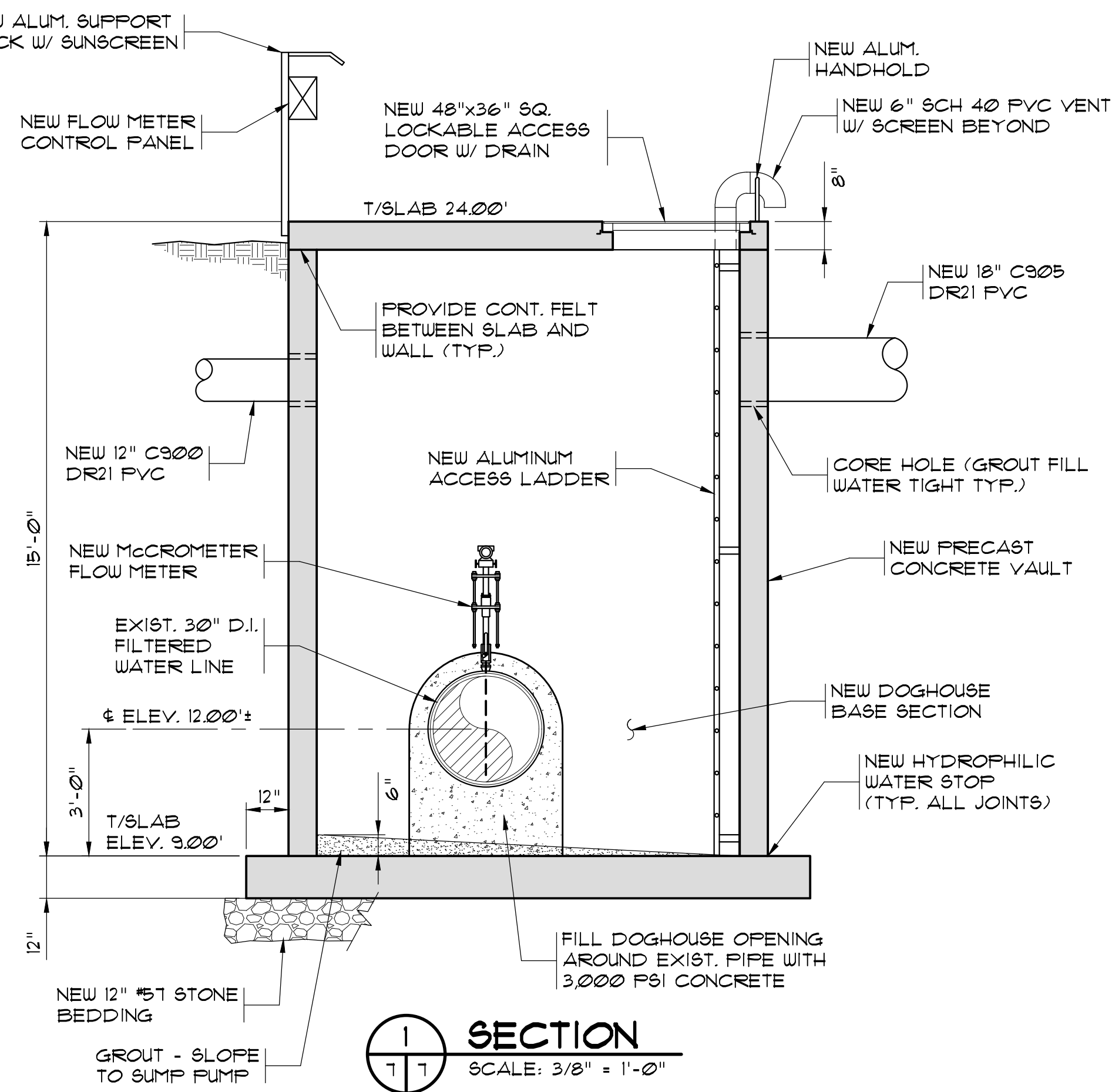
**CHEMICAL FEED VAULT NO. 1
LOWER PLAN**
SCALE: 3/8" = 1'-0"



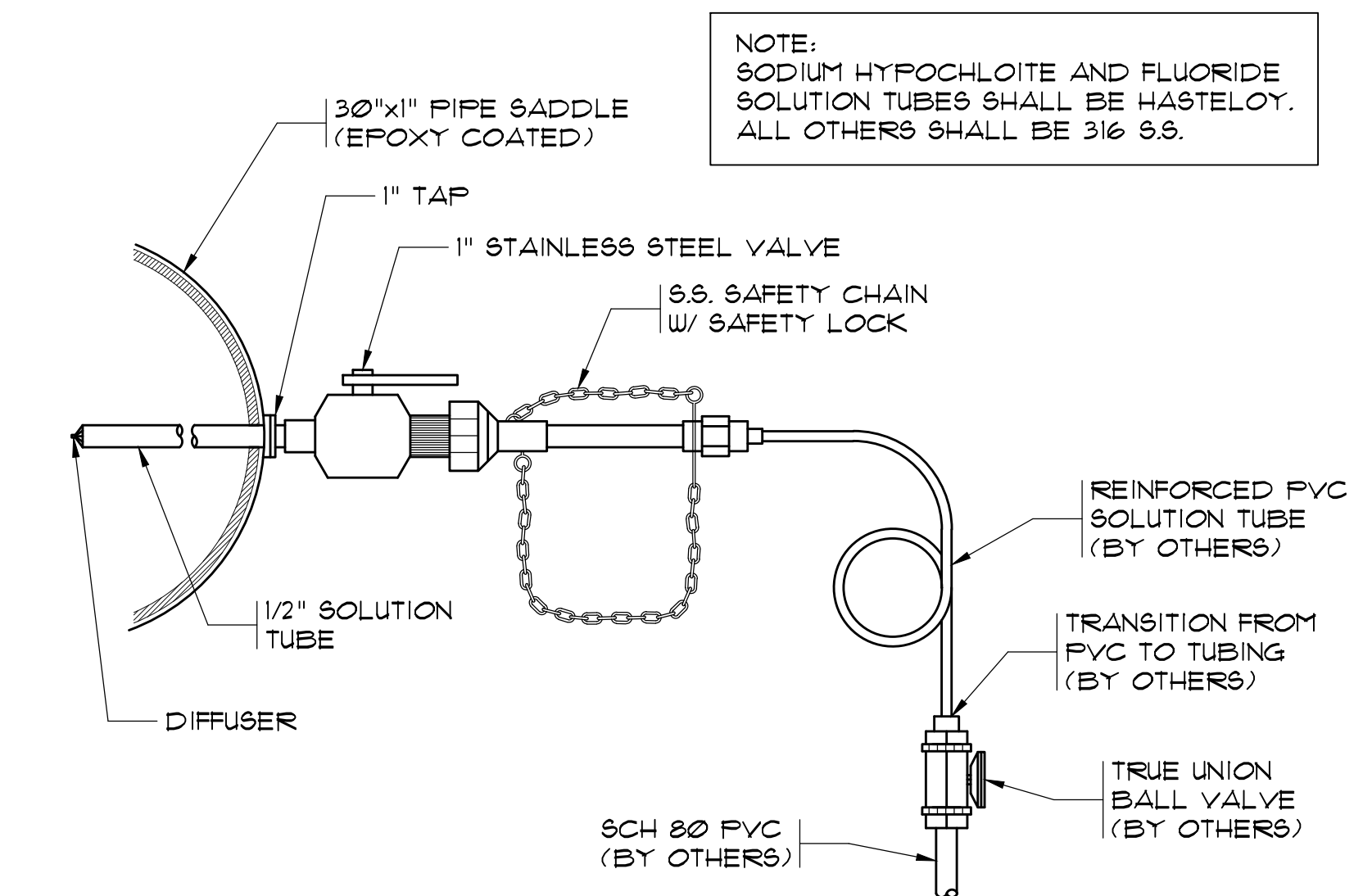
**McCROMETER INSERTION
MAG FLOW METER**
N.T.S.



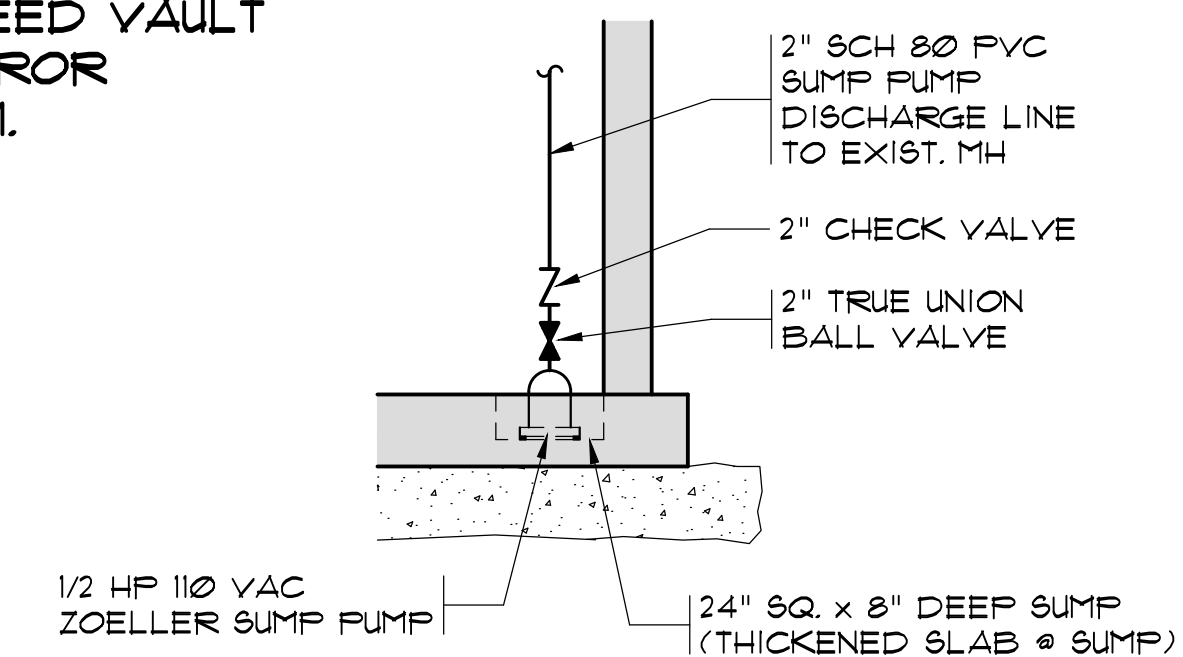
**CHEMICAL FEED VAULT NO. 1
UPPER PLAN**
SCALE: 3/8" = 1'-0"



SECTION
SCALE: 3/8" = 1'-0"



1\"/>



SUMP PUMP DETAIL
N.T.S.

NOTE:
1. CHEMICAL FEED VAULT
NO. 2 IS A MIRROR
IMAGE OF NO. 1.

NOTE:
SODIUM HYPOCHLORITE AND FLUORIDE
SOLUTION TUBES SHALL BE HASTELLOY.
ALL OTHERS SHALL BE 316 S.S.

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**CHEMICAL FEED VAULT
NO. 1 PLAN VIEWS AND
DETAILS**

**BULL CREEK WTP
CHEMICAL FEED VAULTS
GRAND STRAND WATER AND
SEWER AUTHORITY**

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Sheet No.:

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Of: Version: 2

33-020-007/8 AS-BUILT

