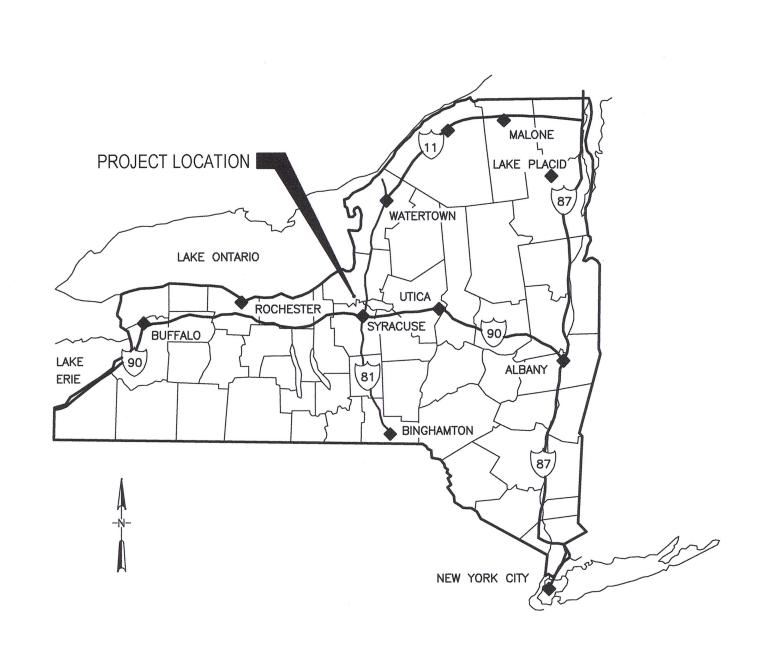
ONONDAGA COUNTY DEPARTMENT OF WATER ENVIRONMENT PROTECTION ONONDAGA COUNTY, NEW YORK

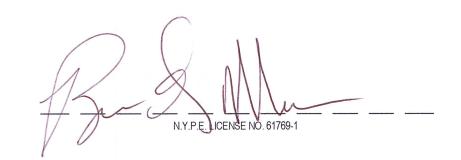


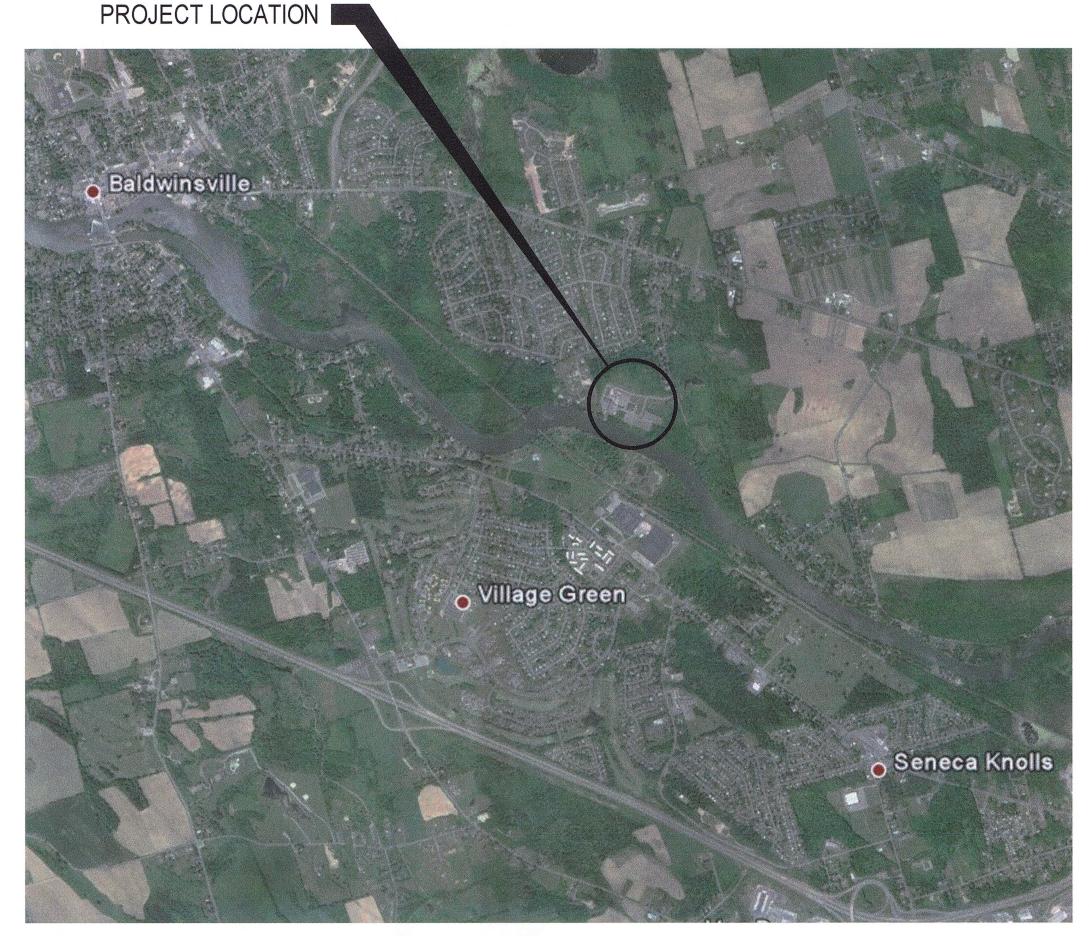
BALDWINSVILLE - SENECA KNOLLS WWTP IMMEDIATE IMPROVEMENTS



CONTRACT NO 1 - GENERAL CONTRACT NO 2 - ELECTRICAL

BID REFERENCE NO 8138 PROJECT NO 587561





LOCATION PLAN

DEPARTMENT OF WATER ENVIRONMENT PROTECTION

TOM RHOADS, P.E., COMMISSIONER

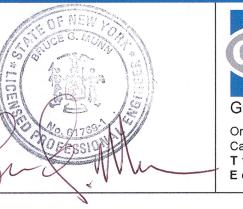
Plot Date: 23 June 2016 - 10:02 AM

RECORD DRAWING

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

						NOTES:
		,				UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.
1	FOR RECORD	TAW	RCF	BGM	06/16	IT IS VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED
0	FOR BID	SFB	RCF	BGM	08/2014	PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DRAWING IN ANYWAY. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF SUCH ALTERATION
No	Revision Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date	AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Cad File No: G:\86\16538\CADD\Record Drawings\General\86.16538-G001.dwg





General Management							
wn	SFB	Designer SFB	Client Project		COUNTY DWE		
ifting eck	EJP	Design Check EJP	Title	TITLE SHEE		KOVEIVIEN 13	
orove oject e	d Director)		Contract	No. 1, 2			
ale	NOT TO SCALE	This Drawing shall not be used for Construction unless Signed and Sealed For Construction	Original Size		86-16538-0	G001	Rev: 1

ABBREVIATIONS

CLIPPADE	AB ACOUS	ANCHOR BOLT ACOUSTICAL (SOUND DEADENING)	EFF EFW	EFFLUENT EFFLUENT WATER	MAS MATL	MASONRY MATERIAL
	ADDL	ADDITIONAL	EJ	EXPANSION JOINT	MAX	MAXIMUM
Total	ADJ					
Company	AFF					
March	AFF					
A TREAT						
A	ALLVV ALT					
APPENDENCE PARTICULAR PAR	ALUM					
March Marc	APC					
March	ARCH					
Section	ASB					
Section	ASPH					
DETECTION OF TOTAL CONTROL	ASSY					
George	B/					MONITORING SYSTEM
Company	B/F				MTG	MOUNTING
MINISTRATE 14	BD			FAR FACE / FINISHED FLOOR	MTL	METAL
BILLY 19	BTW		FG	FIBERGLASS / FINISHED GRADE	MULT	MULTIPLE
MILESTEE	BF	BLIND FLANGE	FH	FIRE HYDRANT		
MATHEMAN	BIT	BITUMINOUS				
	3L					
Part	BLDG					
TOTAL P. C. P. C	3M					
SOUTH FIRST FIRST FLORE FLOR	3MK					
Second House Hou	BOT OR B					
STATE	3P					
PASSURE PASS	3RG					
MINITURE	BRK					
BUTTOTY VALUE	BRZ					
CHITTAPLE PRO	3U					
Second	BV					
THE CAPAINS PART PROMISES OF BUILDINGS OF BU	NA DAT					
MICHARDANN	CABN					
CONTROLOGICUMEN	CATG					
Mail	CB CC					
## CONTROLLED PROSONS FIRST	CC C					
COLUMN COLUMN CA	CEM					
COLUMN CUBS CHEEP PER NATURE SAL ONLY COLUMN CALV COLUMN CALV C	CEMS					
March Marc	ER E OP CHET					
MAINTENNE MAIN						
MAST	CFS					
MAST HOLV PIPE) 					
COLUMN COLUMN PC) IP					
COLUMN	CIRC					
CONSTRUCTION JUNE CPR CREATED						POUNDS PER CUBIC FOOT
CENTERLINE	CJ				PERF	PERFORATED
UT	CL				PERP	PERPENDICULAR
CLEARDOLOR	DL JT			GRANITE	PIL	PILASTER
Communication Pass	CLR	CLEAR/COLOR	GRTG	GRATING	PIV	POST INDICATOR VALVE
CELING	L2	CHLORINE	GS	GALVANIZED STEEL	PLAM	PLASTIC LAMINATE
CHEMICAL MANINOLE	CLF	CHAIN LINK FENCE	GV	GATE VALVE		
CORREGATE METAL PIPE	CLG	CEILING	GYP	GYPSUM		
OUNCEPTE MASONRY UNIT HS HOSE BIB POLY OFFE POLYTHYLENE	MH	CHEMICAL MANHOLE	H EXCH	HEAT EXCHANGER		
MIG. GUAZED COURTET MASORRY UNIT HD	CMP	CORRUGATED METAL PIPE	H&V	HEATING AND VENTILATING		
CLEANQUT	CMU	CONCRETE MASONRY UNIT				
COLUMN	CMUG	GLAZED CONRETE MASONRY UNIT	HD			
MBB	O	CLEANOUT				
MOC	COL					
MD	COMB					
NOTE COMMERCION	ONC					
MINIST	OND					
NOT	ONN					
NOT	ONST					
MIT METATOR HT HEIGHT PTN PARTITION PARTITION	ONT					
DORD	ONT					
CORRIDOR CORRIDOR CONRETE PLANK PYD CONCRETE PLANK HYD HYD HYD HYDRATING IVO COUPLING	ONTR					
CONCRETE PLANK PUD HYDRATING COUPLING C	OORD					
COUPLING	ORR					
PROPERTY CHLORINATED POLYVINYL CHLORIDE I IRON INLET IRON INLET CHLORINATED POLYVINYL CHLORIDE IF INSIDE PACE RAD RADIUS / R	P DI C					
CHEMICAL RESISTANT FINISH	PLG		1/0			
COURSE IF INSIDE FACE RAD RADIUS / RADIATOR RADIUS / RADI	PVC		IL I			
CARBON STEEL INCIN INCINERATOR RAS RETURN ACTIVATED SLUDGE STATE CONSTRUCTION JOINT INCL INCLUDE RBR RUBBER RUBDER	RF BC					
CONSTRUCTION JOINT						
CERAMIC TILE INF INFLUENT ROP REINFORCED CONCRETE PIPE ROTATION RD ROF DRAIN / ROAD ROF DRAIN / ROAD RD ROOF DRAIN / ROAD RE ROOF DRAIN / ROAD RE RECIRCULATION REC RECESS / RECORD RECIRCULATION REC RECESS / RECORD RECIRCULATION RECIR	S s it					
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R DOOR / DRAIN LLV LONG LEG VERTICAL SAN SANITARY	oz					
	R					
WG DRAWING LP LIGHT POLE SCH SCHEDULE	WG				SCH	
VL DOWEL LT WT LIGHTWEIGHT SCP STRUCTURAL CLAY PIPE	WL		LT WT			
	***					SEVERE ENVIRONMENTAL CONDITIO

SQUARE FOOT OR SILT FENCE

SLIDE GATE SHEET SMOOTH INTERIOR CORRUGATED POLYETHYLENE PIPE SIMILAR SLUICE GATE

SLG SOI SPEC SQUARE

SICPP SIM SPRAYED ON INSULATION STOP PLATE / SOUTHERN PINE SPECIFICATION STAINLESS STEEL STREET STATION

STA STD STANDARD STIRR STIRRUPS STL

SHT

STL JST STOR STRU SUR SUSP SWD SYM T&B T&G

STEEL STEEL JOIST STORAGE STRUCTURAL / STRUCTURE SURFACE SUSPENDED / SUSPENSION SIDE WATER DEPTH SYMMETRICAL TOP AND BOTTOM TONGUE AND GROOVE TILE, TREAD OR TOP TOP OF DECK TOP OF FOOTING TOP OF GROUT /GRATING TOP OF MASONRY

TOP OF PIPE TOP OF SLAB / STEEL TOP OF WALL TCB TEMPORARY CONCRETE BARRIER TOTAL DYNAMIC HEAD TDH TELEPHONE TEMP TEMPERATURE / TEMPORARY / TEMPERED TERT TERTIARY THICK

TANK

TOP OF BANK

TOLERANCE

ULTRAVIOLET

VITRIFIED TILE

WATER / WEST WITH

WOOD / WIDTH

TYPICAL

URINAL

TRANSFORMER

UNLESS NOTED OTHERWISE

VINYL / VERTICAL / VENT VINYL ASBESTOS TILE

TRANS

WITHOUT WASTE ACTIVATED SLUDGE WATER CLOSET

WEIR GATE WALL HYDRANT WROUGHT IRON WATER LEVEL WINDOW OPENING WHITE PINE **WORKING POINT** WATER SURFACE WATERSTOP WELDED STEEL PIPE WEIGHT WWF

WATER VALVE WELDED WIRE FABRIC YARD HYDRANT

STANDARD HATCH PATTERNS

LUMBER (FINISHED GRADE) CONCRETE BLOCK (ELEVATION)

LUMBER (STRUCTURAL GRADE) CONCRETE BLOCK (PLAN)

BRICK (PLAN)

COMPACTED GRAVEL BACKFILL

INSULATION (LOOSE OR BLANKET) INSULATION (RIGID)

CONCRETE GROUT

GATE VALVE CHECK VALVE

SYMBOLS

PLUG VALVE

BALL VALVE **BUTTERFLY VALVE** FLEX CONNECTION 0 SLUICE GATE

SLIDE GATE FLOW DIRECTION FLANGED ADAPTER FLANGED JOINT

MECHANICAL JOINT/RESTRAINED PUSH ON JOINT/PUSH ON JOINT PIPE HANGER TYPE 'A' PIPE SUPPORT (SHOWN IN PLAN ONLY) PIPE STANCHION SADDLE W/U-BOLT TYPE 'B' PIPE SUPPORT SPLIT PIPE CLAMP

WELDED JOINT

STRAP W/S.S. BOLTS AND INSERTS TYPE 'D' PIPE SUPPORT PIPE SUPPORT IN TRENCH W/U-BOLT TYPE 'E' PIPE SUPPORT

TYPE 'C' PIPE SUPPORT

CONCRETE BASE FITTING SUPPORT TYPE 'F' PIPE SUPPORT

CONCRETE PIPE SUPPORT

TYPE 'G' PIPE SUPPORT WELDED STEEL BRACKET W/U-BOLT TYPE 'H' PIPE SUPPORT

> PIPE CHANNEL SUPPORT TYPE 'I' PIPE SUPPORT

PIPE SUPPORT SYSTEM TYPE 'J' PIPE SUPPORT

FLOOR STAND-TYPE 'K' SUPPORT CONC. SUPPORT IN TRENCH W/U-BOLT

TYPE 'L' PIPE SUPPORT

STEEL ANGLE SUPPORT W/U-BOLT TYPE `M' PIPE SUPPORT

WALL SLEEVE

PIPE COUPLING ECCENTRIC BLIND FLANGE W/FLUSHING CONNECTION

OR PIPE DRAIN FLEXIBLE CONNECTION

STATIC MIXER

YARD HYDRANT

NEOPRENE AND SS COUPLING

RECORD DRAWING

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

GENERAL NOTES:

- 1. ALL NEW PIPING, COUPLINGS, VALVES AND EQUIPMENT SHALL BE FINISH PAINTED AND LABELED PRIOR TO INSTALLATION IN ACCORDANCE WITH SECTION 09900. MATCH EXISTING PIPE COLOR. TOUCH UP PAINT AS REQUIRED AFTER INSTALLATION.
- 2. LOCATION OF NEW INSTRUMENTATION IS APPROXIMATE. ALL CONTRACTORS SHALL COORDINATE FINAL INSTRUMENTATION
- 3. ALL CONTRACTORS ARE ISSUED A COMPLETE SET OF CONTRACT DRAWINGS. WHILE EVERY EFFORT HAS BEEN MADE TO CONCENTRATE THE WORK OF TRADES ON SPECIFIC SHEETS AND LABELED ACCORDINGLY, THERE ARE NECESSARY INSTANCES WHERE WORK IS SHOWN ON, OR CROSS-REFERENCED TO, OTHER DRAWINGS. IT IS THE RESPONSIBILITY OF EACH CONTRACTOR TO REVIEW ALL DRAWINGS AND COORDINATE HIS WORK WITH OTHERS.
- EXISTING PIPING AND FACILITIES SHOWN LIGHT. NEW PIPING AND FACILITIES SHOWN DARK. SOME ITEMS TO BE DEMOLISHED MAY BE SPECIFICALLY LABELED ON THESE DRAWINGS. REFER TO SPECIFICATION FOR ADDITIONAL INFORMATION REGARDING
- 5. CONTRACTOR IS TO VERIFY AND COORDINATE ALL EXISTING STRUCTURES, PIPING ELEVATIONS, LOCATIONS, SIZE AND TYPE OF MATERIAL WITH NEW PIPING PRIOR TO CONSTRUCTION. IF DISCREPANCIES ARISE BETWEEN THESE CONTRACT DRAWINGS AND ACTUAL FIELD CONDITIONS, THE CONTRACTOR SHALL NOTIFY ENGINEER IMMEDIATELY IN WRITING.
- 6. CONTRACTOR IS TO PROVIDE ALL ADAPTERS FOR TRANSITIONS BETWEEN DIFFERENT PIPE MATERIALS.
- 7. ALL AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION UNLESS NOTED OTHERWISE.
- 8. CONTRACTOR TO SUPPLY ALL BENDS REQUIRED TO MAINTAIN SMOOTH FLOW LINES, CHANGES IN ELEVATION AND TO MEET ALL TRANSITIONS. USE 45° BENDS UNLESS APPROVED BY THE ENGINEER.
- 9. CONTRACTOR TO PROVIDE POSITIVE SITE DRAINAGE DURING CONSTRUCTION OPERATIONS. ALL FINAL LINES AND GRADES SHALL BE CONSTRUCTED TO MAINTAIN POSITIVE SITE DRAINAGE TO DRAINAGE STRUCTURES.
- 10. INFORMATION REGARDING EXISTING CONDITIONS AND FACILITIES ARE DERIVED FROM PREVIOUS CONTRACT DRAWINGS
- OBTAINED FROM OWNER. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY UNKNOWN.

11. LEGEND REPRESENTS STANDARD LINE TYPES AND HATCHING UNLESS INDICATED ON SPECIFIC DRAWINGS.

- 12. CONTRACTOR TO COORDINATE STAGING AREAS WITH OWNER.
- 13. WHILE EVERY EFFORT HAS BEEN MADE TO IDENTIFY THE ITEMS TO BE DEMOLISHED, IT IS EACH CONTRACTOR'S RESPONSIBILITY TO REVIEW THE SCOPE OF WORK IN THE FIELD, REVIEW THESE CONTRACT DRAWINGS, ALL PREVIOUS PLANT CONSTRUCTION DRAWINGS & DOCUMENTS AND THE DEMOLITION SPECIFICATIONS, THE EXISTING FACILITY PLANS, AND DEMOLISH ALL ITEMS NECESSARY TO ACCOMMODATE THE PROPOSED WORK. COORDINATION SHALL BE PERFORMED BETWEEN ALL CONTRACTORS. ALSO THE GENERAL CONTRACTOR SHALL REPAIR ALL SURFACES AND PLUG ABANDONED PENETRATIONS UPON REMOVAL OF THE DEMOLISHED ITEMS PER THE SPECIFICATION.
- 14. ELEVATIONS REFER TO THOSE SHOWN ON RECORD DRAWINGS BY STEARNS & WHELER DATED 9-8-1983.

DRAWING LIST

DRAWING NUMBER DRAWING TITLE

86-16538-G001 TITLE SHEET ABBREVIATIONS, SYMBOLS, GENERAL NOTES AND LIST OF DRAWINGS 86-16538-G002 EXISTING SITE PLAN AND LOCATIONS OF WORK 86-16538-G003 86-16538-G004 MISCELLANEOUS DETAILS CONTROL BUILDING - PART SECOND FLOOR PLAN, GALLERY 3 - PART PLAN, SCHEDULES AND DETAILS 86-16538-A001 CONCRETE REPAIR DETAILS 86-16538-S001

86-16538-S002 CONTROL BUILDING/ TUNNEL CEILING BEAM REPAIR 86-16538-S003 DIGESTER NO. 1 & NO. 2 REHABILITATION 86-16538-S004 AERATION TANKS DISTRIBUTION CHANNELS - PLAN AND SECTIONS AERATION TANKS DISTRIBUTION CHANNELS - DETAILS

86-16538-S005 SLIDE GATE #23, #42 & #43 86-16538-S006

> 86-16538-M001 DIGESTERS NOS 1 AND 2 - PARTIAL LOWER PLANS 86-16538-M002 GALLERY NO 1 - PARTIAL LOWER PLANS 86-16538-M003 GALLERY NO 2 DEMOLITION - PARTIAL LOWER PLAN AND SECTION GALLERY NO 2 - PARTIAL PLAN AND SECTION, OXYGEN GEN. CONTROL ROOM - PARTIAL PLAN 86-16538-M004

86-16538-M005 FIRST AND SECOND STAGE AERATION TANKS - PARTIAL UPPER PLANS PARTIAL UPPER PLAN - GATE REPLACEMENT LOCATION

86-16538-M006 86-16538-M007 AERATION TANKS DISTRIBUTION CHANNEL - PLAN AND SECTIONS GALLERY NOS 5 AND 6 - PARTIAL UPPER PLANS 86-16538-M008

86-16538-M009 CHLORINE CONTACT TANKS - PLAN

86-16538-E001 ABBREVIATIONS, SYMBOLS, NOTES AND DETAILS 86-16538-E002 CONTROL BUILDING - GROUND FLOOR LIGHTING PLAN 86-16538-E003 CONTROL BUILDING - FIRST FLOOR LIGHTING PLAN 86-16538-E004 CONTROL BUILDING - SECOND FLOOR LIGHTING PLAN 86-16538-E005 GALLERY NO 2 - PARTIAL PLAN AND ELECTRICAL AND OXYGEN CONTROL ROOM - PARTIAL PLAN 86-16538-E006 GALLERY NOS 5 AND 6 - PARTIAL UPPER LEVEL PLANS 86-16538-E007 ELEMENTARY AND SCHEMATIC DIAGRAMS

THICKENED SLUDGE CONTROL PANEL 1, MACERATOR CONTROL PANEL 1 BLOCK DIAGRAMS

THICKENED SLUDGE CONTROL PANEL 2, MACERATOR CONTROL PANEL 2 BLOCK DIAGRAMS 86-16538-E009 86-16538-E010 HPO VENT VALVES BLOCK DIAGRAMS Designer SFB Drawn SFB Drafting SFB

Client ONONDAGA COUNTY DWEP **BSK WWTP IMMEDIATE IMPROVEMENTS** ABBREVIATIONS, SYMBOLS, GENERAL NOTES **AND LIST OF DRAWINGS**

Contract No.

Marin Security of						
						NOTES:
						UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS
						PRESENTLY NOT KNOWN.
1	FOR RECORD	TAW	RCF	BGM	06/16	IT IS VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED
0	FOR BID	SFB	RCF	BGM	08/2014	DESCRIPTION OF THE ALTER ALTER AND THE DESCRIPTION OF ANY MANY OF AN ITEM IS ALTERED THE ALTERNIC ENGINEER CHAIL.
		I	lab	Droinet		AND A SPECIFIC DESCRIPTION OF THE ALTERATION

MOTOR

LOW WATER LEVEL

LWL



GHD Consulting Services Inc. One Remington Park Drive Cazenovia NY 13035 USA T 1 315 679 5800 F 1 315 679 5801 E cazmail@ghd.com W www.ghd.com

Scale NOT TO SCALE

Approved

(Project Director)

86-16538-E008

for Construction unless Signed and Sealed For Construction

Arch D

Drawing No: 86-16538-G002

AND A SPECIFIC DESCRIPTION OF THE ALTERATION

SEL

SEW

SEWER

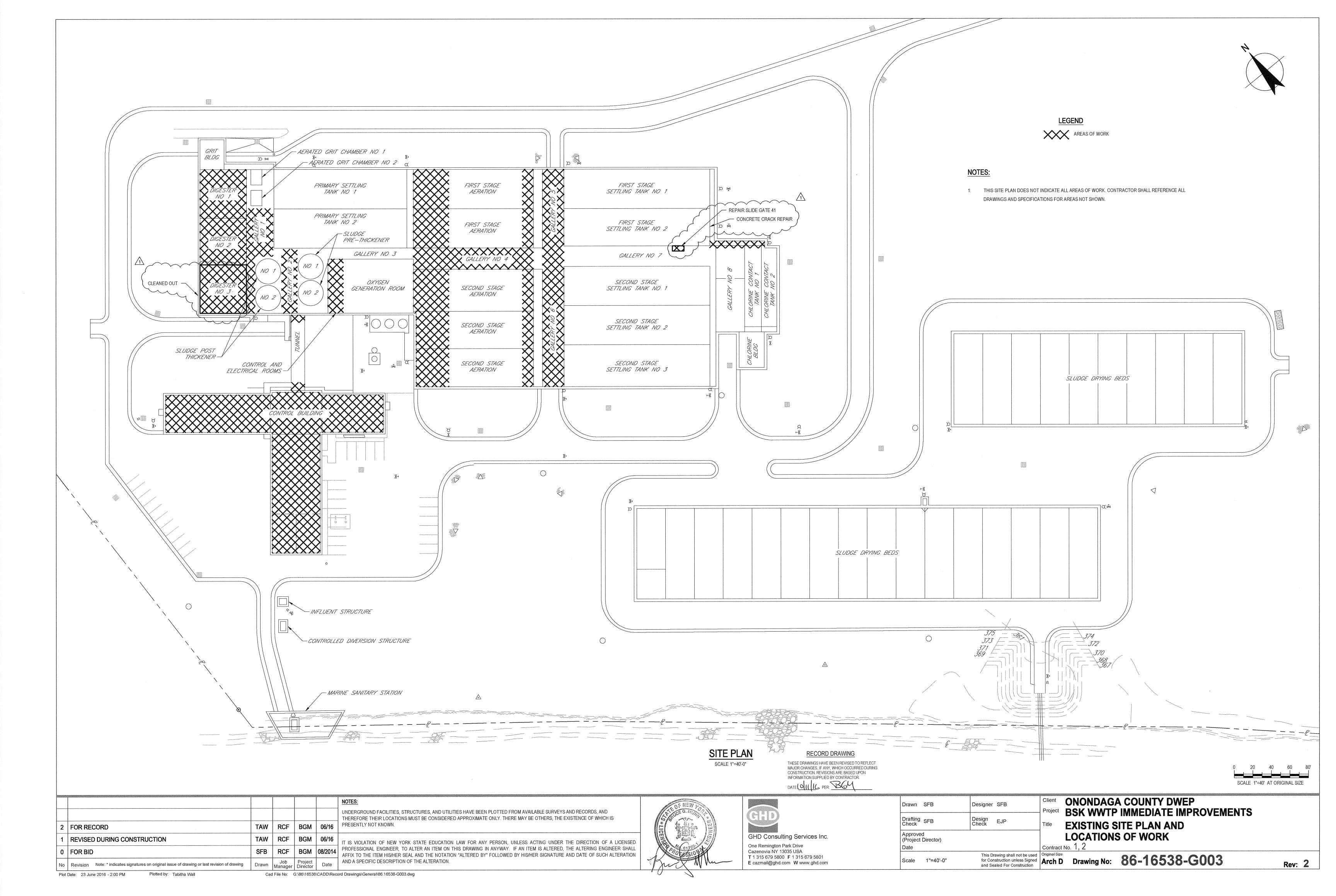
SELECTION

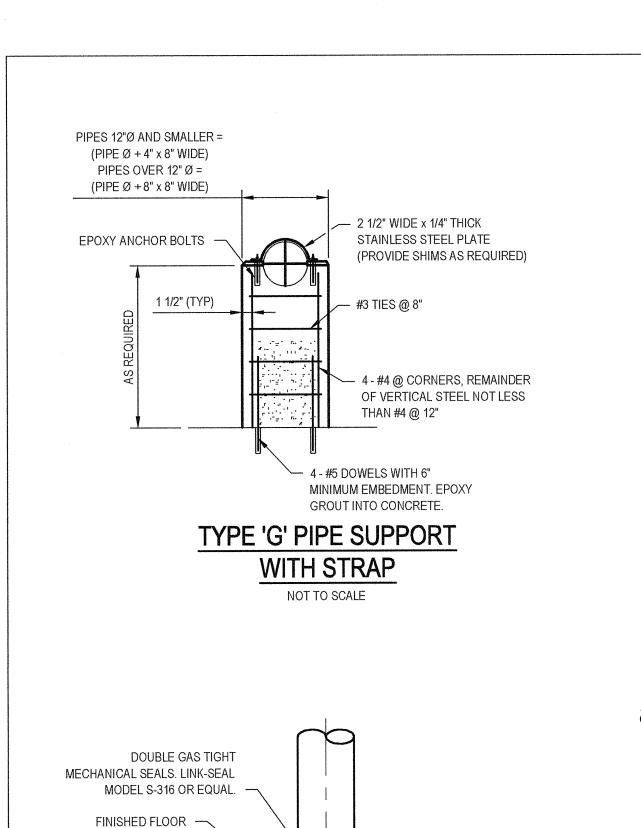
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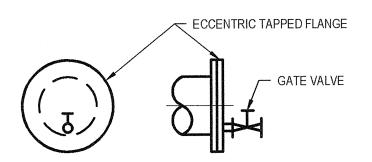




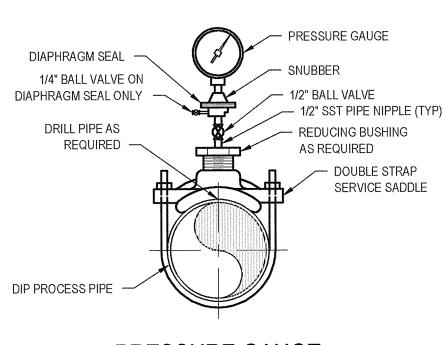
TYPICAL FLOOR SLEEVE DETAIL **EXISTING STRUCTURE** NOT TO SCALE

COORDINATE HOLE SIZE AND OD OF PIPE WITH MECHANICAL SEAL MFG

CORE DRILL



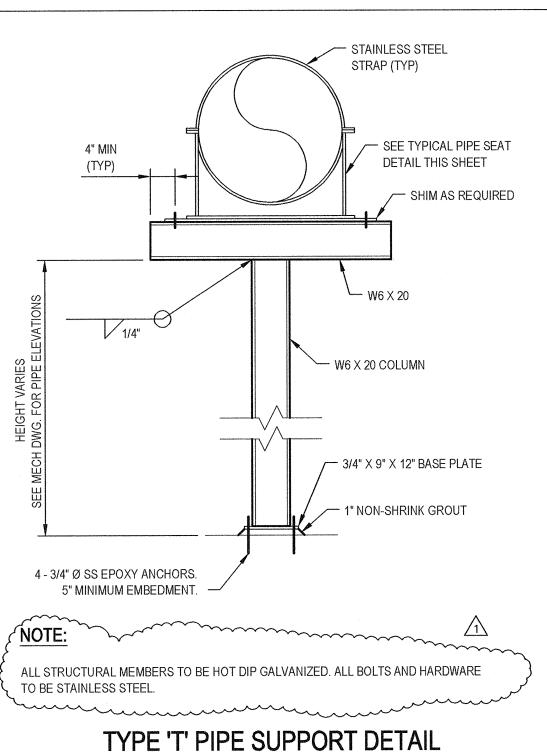
FLUSHING CONNECTION DETAIL



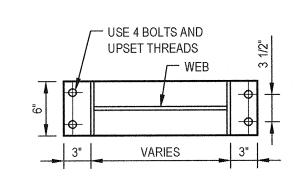
PRESSURE GAUGE **MOUNTING DETAIL** NOT TO SCALE

NOTE:

FIELD THREADING (DRILL & TAP) IS NOT ACCEPTABLE.



NOT TO SCALE



3" WIDE STAINLESS

STEEL PIPE STRAP -

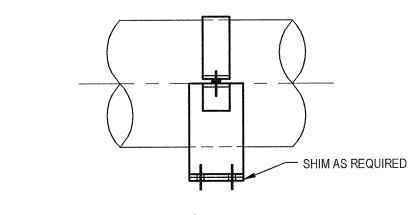
SHIM AT SLIDING

∠3x3x3/8 STAINLESS STEEL EACH SIDE

ROLLED STAINLESS STEEL PLATE ABOVE

WEB: CUSTOM RADIUS TO FIT PIPE

SUPPORT -



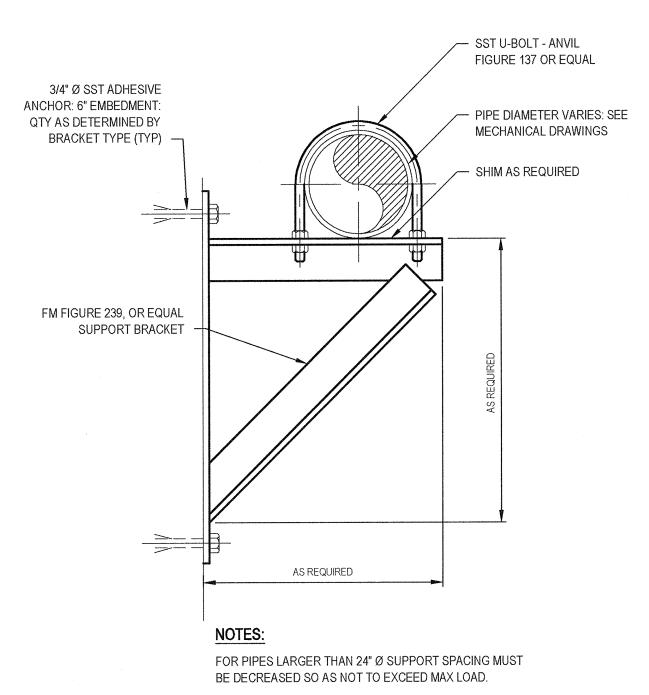
NOTES:

- 1. ALL MATERIAL IS 3/8" STAINLESS STEEL.
- 2. ALL BOLTS ARE 3/4" STAINLESS STEEL.
- 3. ALL **SLIDING** SUPPORTS: A. PROVIDE 1/2" SHIMS AND OVERSIZED PIPE STRAP TO PROVIDE 1/4" CLEARANCE AROUND TOP OF PIPE.
 - B. USE 3 1" WIDE TEFLON STRIPS. EPOXY TO PIPE SEAT.

TYPICAL PIPE SEAT DETAIL NOT TO SCALE

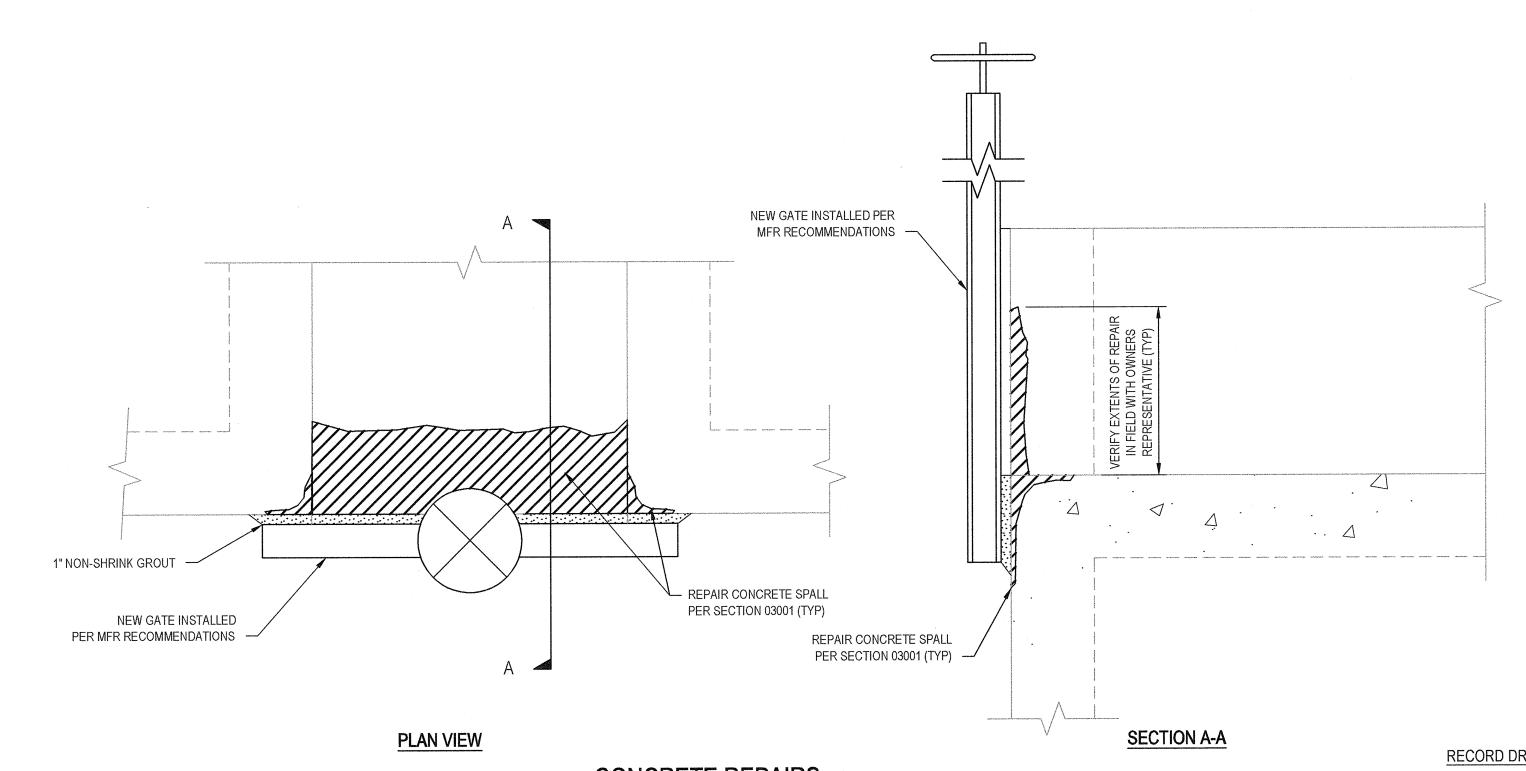
GENERAL PIPE SUPPORT NOTE:

ALL INTERIOR PIPE SUPPORTS NOT EXPOSED TO A CORROSIVE ENVIRONMENT SHALL BE ZINC AND PAINTED TO MATCH PIPE SYSTEM, OR GALVANIZED.



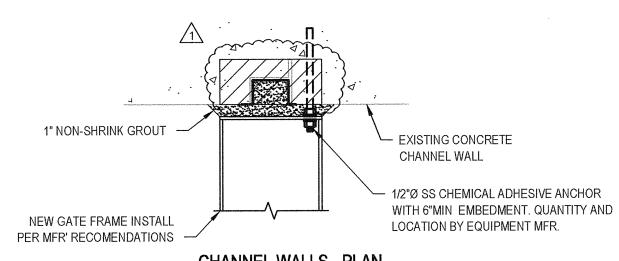
TYPE 'H' PIPE SUPPORT DETAIL

NOT TO SCALE

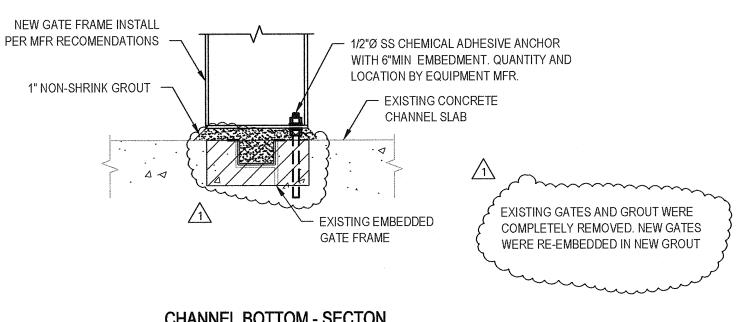


CONCRETE REPAIRS AT GATE REPACEMENT INSTALLATIONS

RECORD DRAWING THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.



CHANNEL WALLS - PLAN



CHANNEL BOTTOM - SECTON

IN-CHANNEL EMBEDDED GATE REPLACEMENT DETAIL

NOT TO SCALE

APPLIES TO ALL SIDES OF GATE.

vn SFB	Designer		Client Project	ONONDAGA COUNTY DWEP BSK WWTP IMMEDIATE IMPR
ting ck SFB	Design Check	EJP	Title	MISCELLANEOUS DETAILS
roved iect Director)				

IMPROVEMENTS

Contract No. This Drawing shall not be used for Construction unless Signed and Sealed For Construction

Original Size

Arch D

Drawing No: 86-16538-G004

Rev: 1

2	FOR RECORD	TAM	RCF	BGM	06/16
1	REVISED FOR CONSTRUCTION	TAW	RCF	BGM	06/16
0	FOR BID	SFB	RCF	BGM	08/2014

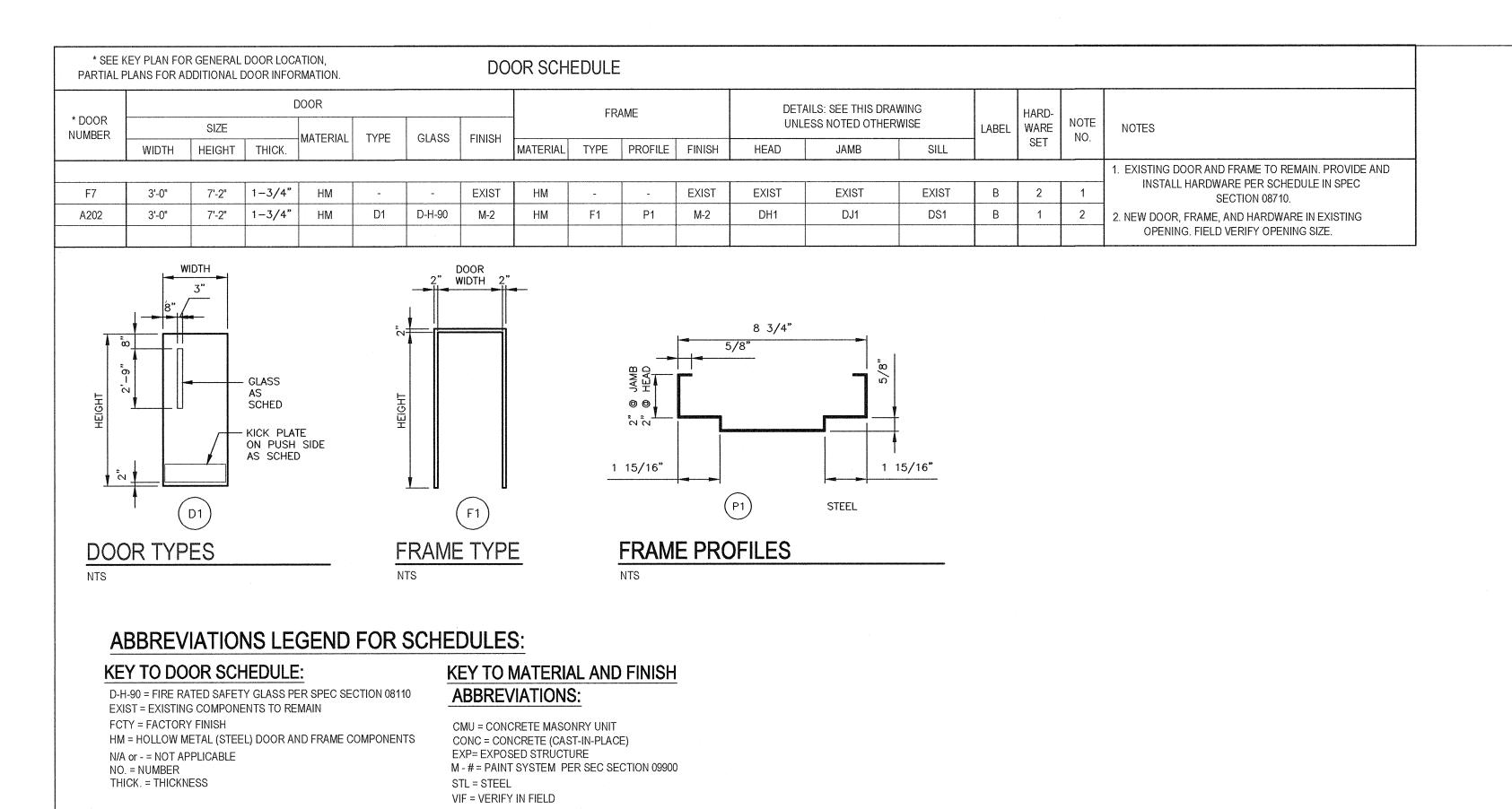
UNDERGROUND FACILITIES. STRUCTURES. AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND PRESENTLY NOT KNOWN.

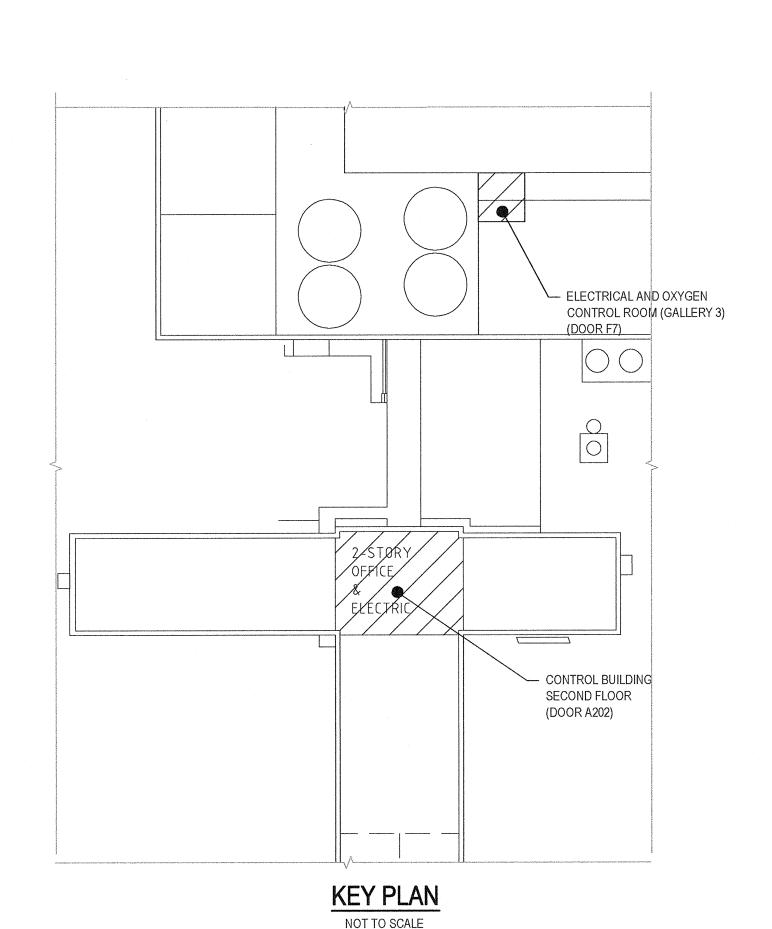
AND A SPECIFIC DESCRIPTION OF THE ALTERATION

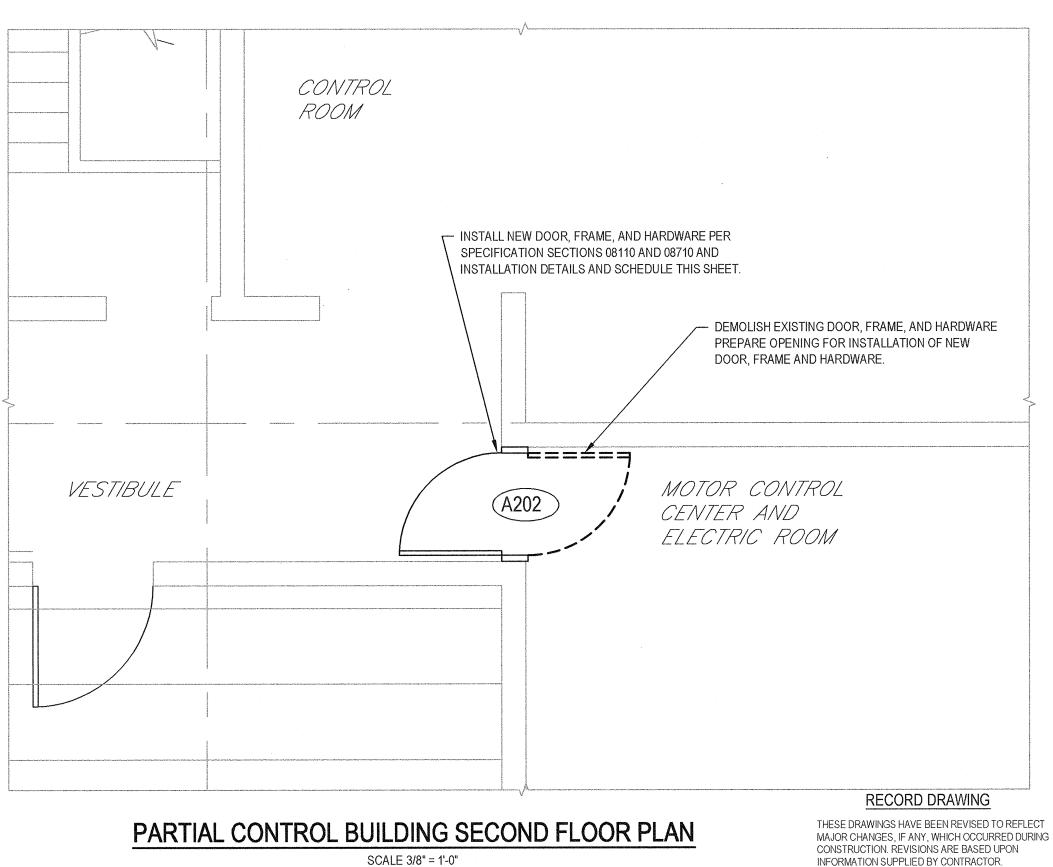


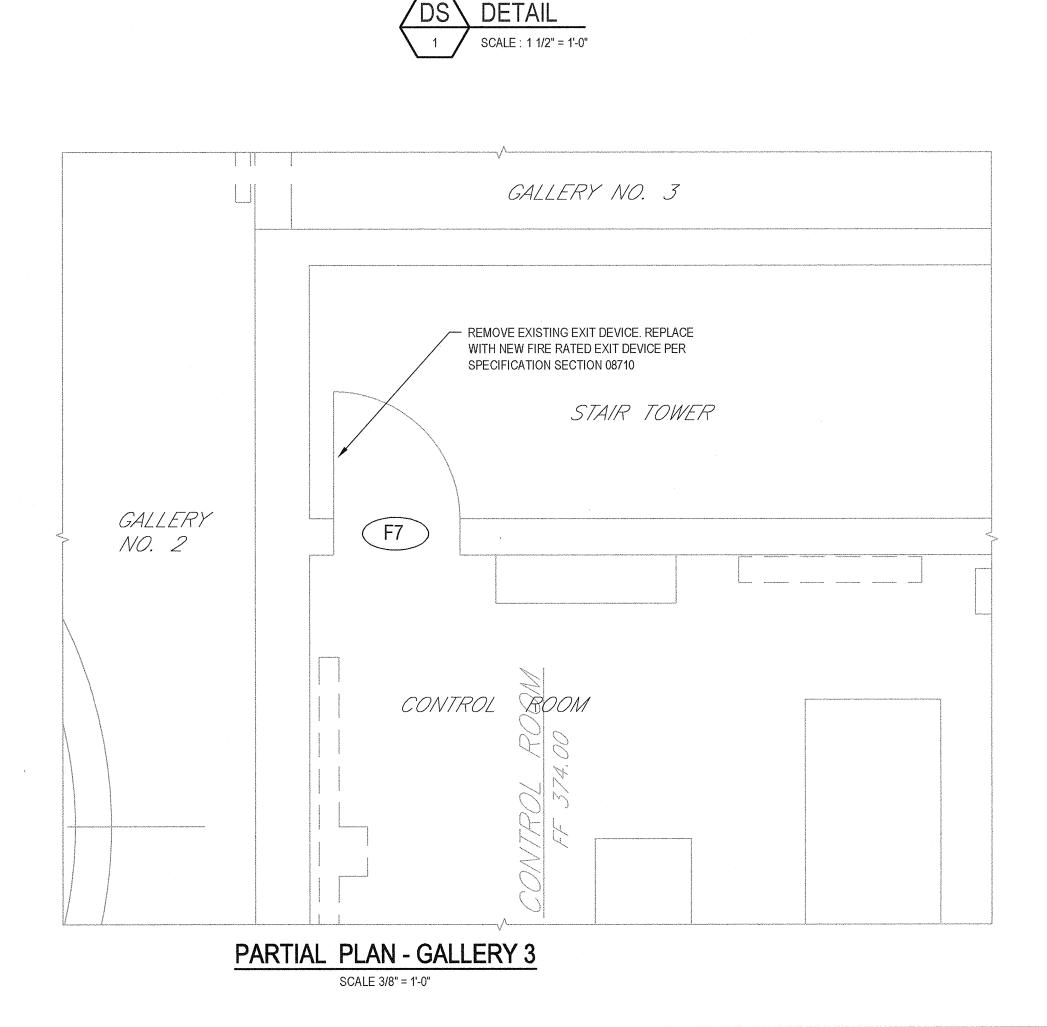
E cazmail@ghd.com W www.ghd.com

No Revision Note: * indicates signatures on original issue of drawing or last revision of drawing Drawn Job Manager Director Cad File No: G:\86\16538\CADD\Record Drawings\General\86.16538-G004.dwg Plot Date: 30 August 2016 - 2:21 PM









DOOR AS

SCHEDULED -

- DOOR FRAME AS SCHEDULED

- FLAT ALUMINUM

SCHEDULED

FINISHES

THRESHOLD AS

- EXISTING FLOOR

EXISTING CMU OPENING,

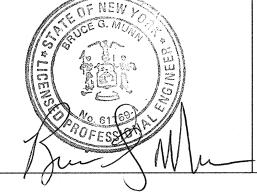
FIELD VERIFY DOOR SIZE

AND CMU THICKNESS

TAW RCF BGM 06/16 FOR RECORD 0 FOR BID

UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.

AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



INFORMATION SUPPLIED BY CONTRACTOR.

GHD Consulting Services Inc.
One Remington Park Drive Cazenovia NY 13035 USA

T 1 315 679 5800 F 1 315 679 5801

E cazmail@ghd.com W www.ghd.com

Drawn LEW	Designer LEW					
		Projec				
Drafting Check MJS	Design Check MJS	Title				
Approved (Project Director)						
Date		Contra				
	This Drawing shall not be used	Original S				

Scale AS NOTED

ONONDAGA COUNTY DWEP ect BSK WWTP IMMEDIATE IMPROVEMENTS **CONTROL BUILDING - PART SECOND FLOOR PLAN,** GALLERY 3 - PART PLAN, SCHEDULES & DETAILS

for Construction unless Signed and Sealed For Construction

Arch D

Drawing No: 86-16538-A001

Rev: 1

SCALE 3/8"=1'-0" AT ORIGINAL SIZE

EXISTING CMU OPENING WITH

STEEL LINTEL ANGLES. FIELD VERIFY MASONRY THICKNESS

STL FRAME AS SCHEDULED:

STL DOOR AS SCHEDULED

/ 3/8" JOINT:

SIDES

SEALANT OVER BACKER; BOTH

> / STL FRAME: **CENTER IN**

OPENING

- PROVIDE BASE

ANCHOR

AT FRAME

BOTTOM

_ 5" x 3/8" SS SLEEVE

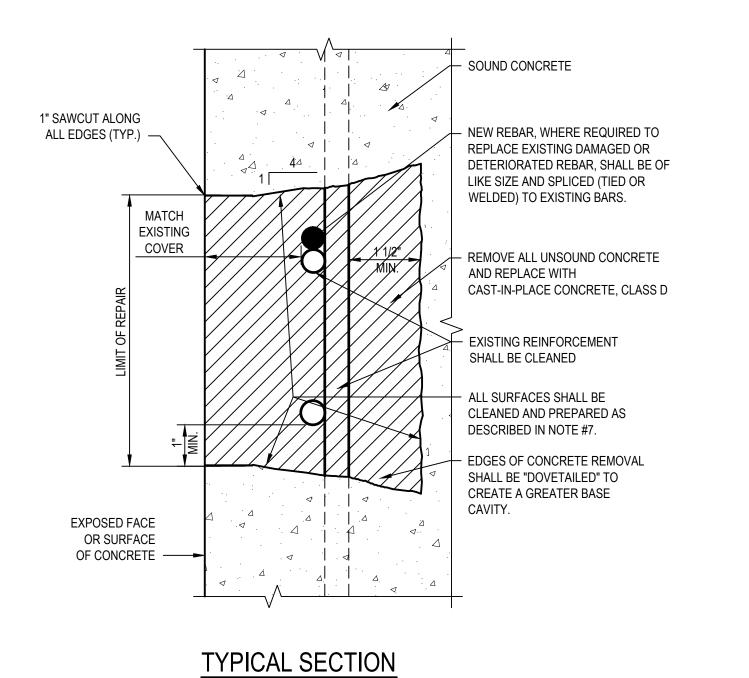
ANCHOR AT 2'-0" OC

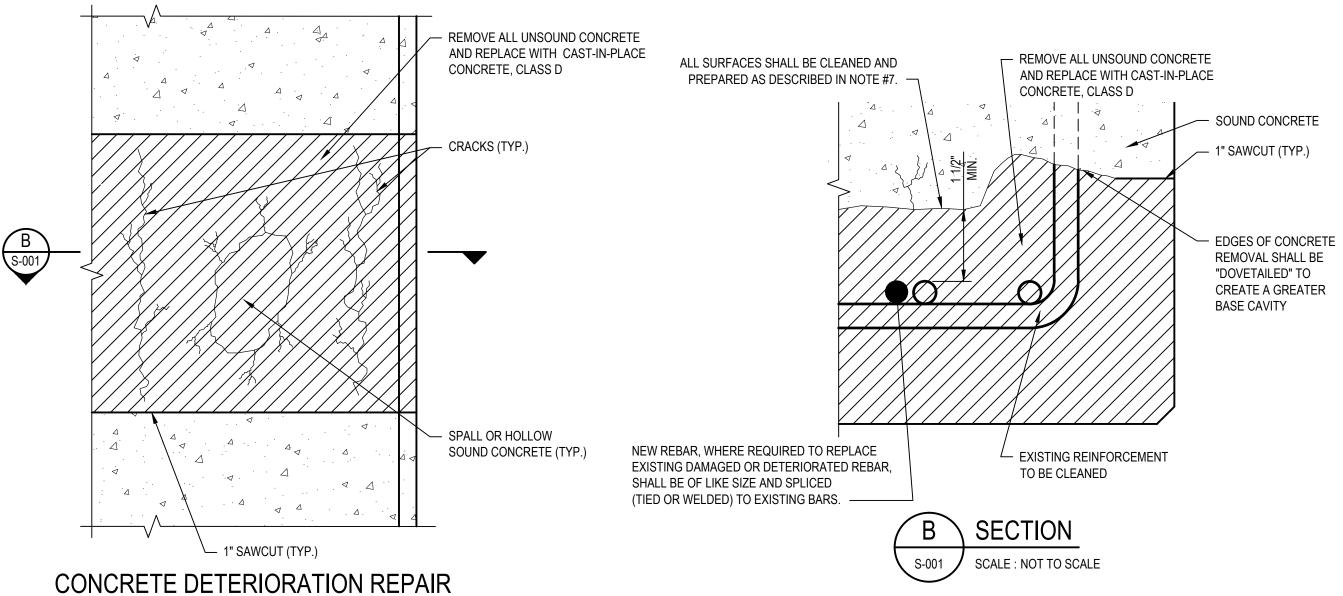
SEALANT BOTH SIDES

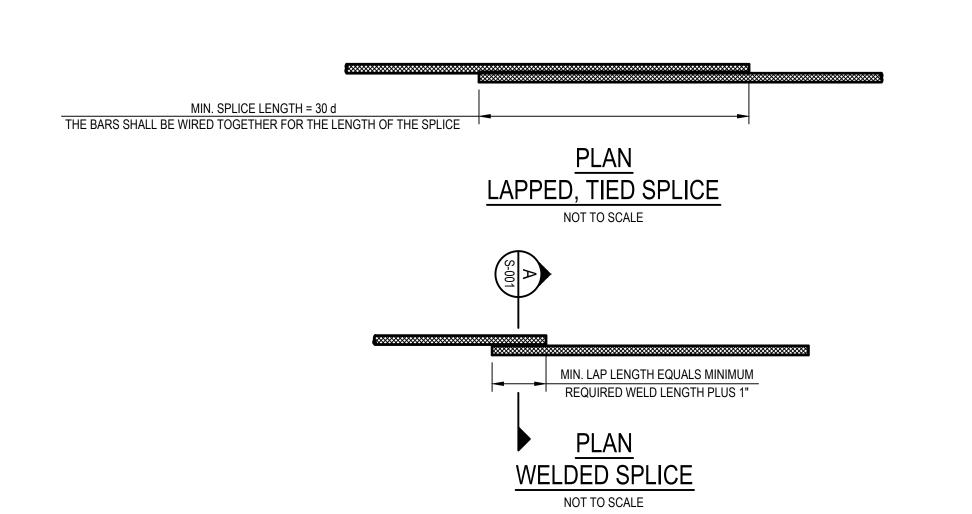
CENTER IN OPENING

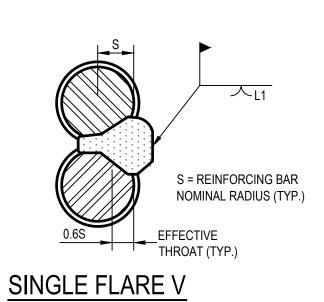
FRAME BEYOND

No Revision Note: * indicates signatures on original issue of drawing or last revision of drawing Cad File No: G:\86\16538\CADD\Record Drawings\ARCH\86.16538-A001.dwg Plotted by: Tabitha Wall Plot Date: 23 June 2016 - 10:28 AM

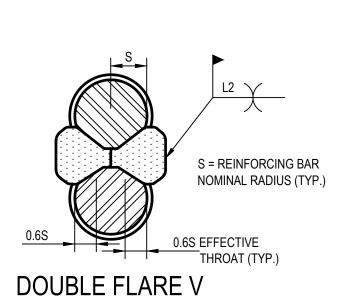








NOT TO SCALE



GROOVE WELD

A SECTION
S-001 SCALE: NOT TO SCALE

GROOVE WELD

MINIMUM WELD LENGTHS									
BAR SIZE SINGLE FLARE L1 DOUBLE FLARE V-GROOVE WELD V-GROOVE WELD									
3	3"	2"							
4	3 1/2"	2 1/4"							
5	4"	2 1/2"							
6	4 1/2"	2 3/4"							
7	5"	3"							
8	5 1/2"	3 1/4"							
9	6"	3 1/2"							
		I							

CONCRETE REPAIR NOTES:

- 1. THE WORK SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF UNSOUND STRUCTURAL CONCRETE FROM THE EXISTING STRUCTURE AND ITS REPLACEMENT WITH NEW STRUCTURAL CONCRETE AS INDICATED ON THE CONTRACT PLANS, OR AS ORDERED BY THE ENGINEER. ALL WORK SHALL BE DONE AT THE LOCATIONS INDICATED ON THE CONTRACT PLANS, OR WHERE ORDERED BY THE ENGINEER. ALL MISCELLANEOUS MATERIALS, NOT INCLUDING BAR REINFORCEMENT, ENCOUNTERED DURING THE REMOVAL OF UNSOUND STRUCTURAL CONCRETE, SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE INDICATED ON THE CONTRACT PLANS, OR ORDERED BY THE ENGINEER.
- 2. ALL UNSOUND CONCRETE SHALL BE REMOVED TO A SOUND SURFACE AS DETERMINED BY THE ENGINEER. THE EXISTING CONCRETE SHALL BE SAW-CUT TO OBTAIN A STRAIGHT JOINT BETWEEN THE EXISTING CONCRETE AND THE NEW MATERIAL. CARE SHALL BE EXERCISED WHILE REMOVING THE UNSOUND CONCRETE SO AS NOT TO DAMAGE MATERIALS WHICH ARE TO REMAIN IN PLACE. EXPOSED REINFORCEMENT REMAINING IN PLACE SHALL BE BLAST CLEANED. CHIPPING HAMMERS SHALL WEIGH NO MORE THAN 45 LBS WITH THE BIT AND MUFFLER REMOVED. THE HAMMER SHALL DELIVER NO MORE THAN 1600 BLOWS PER MINUTE. THE CONTRACTOR SHALL PROVIDE THE ENGINEER INFORMATION FROM THE HAMMER MANUFACTURER THAT THESE REQUIREMENTS ARE NOT EXCEEDED. THE AIR PRESSURE USED TO POWER THE HAMMER SHALL NOT EXCEED 110 PSI MEASURED AT THE AIR COMPRESSOR. AN AIR PRESSURE GAUGE IN PROPER WORKING CONDITION SHALL BE PROVIDED. ONLY SHARP CHISEL POINT BITS, A MINIMUM OF 2 INCHES WIDE, SHALL BE USED. ALL BITS DETERMINED BY THE ENGINEER TO BE DULL SHALL BE SHARPENED OR REPLACED. IF THE ENGINEER DETERMINES THAT THE CONTRACTOR'S OPERATIONS ARE RESULTING IN DAMAGE TO CONCRETE THAT IS TO REMAIN, THE CONTRACTOR SHALL MAKE IMMEDIATE CORRECTIONS. THESE CORRECTIONS SHALL INCLUDE THE USE OF A LIGHTER CHIPPING HAMMER IF SO ORDERED BY THE ENGINEER.
- 3. THE SIDES OF THE CAVITY SHALL BE MADE AT A SLIGHT ANGLE, SO THAT THE WIDTH OF THE BASE OF THE CAVITY IS GREATER THAN THE OPENING AT THE SURFACE, THEREBY PROVIDING A KEY.
- THE MINIMUM DEPTH OF REMOVAL SHALL BE THE GREATER OF THE FOLLOWING:

 A DEPTH NO LESS THAN 1 1/2 INCHES FROM THE REAR MOST POINT OF REINFORCEMENT TO SOUND CONCRETE.
 THE DEPTH NECESSARY TO REACH SOUND CONCRETE.
- 5. SHOULD THE REMOVAL DEPTH EXCEED 6 INCHES, THE ENGINEER MAY ORDER SUPPLEMENTARY ANCHORING AS PART OF THE REPLACEMENT PROCEDURE. THE SIDES OF THE CAVITY SHALL BE MADE AT A SLIGHT ANGLE, SO THAT THE WIDTH OF THE BASE OF THE CAVITY IS GREATER THAN THE OPENING AT THE SURFACE, THEREBY PROVIDING A KEY.
- 6. THE EXTENT OF CONCRETE REMOVAL FOR ANY COMPONENT SHALL NOT JEOPARDIZE ITS STRUCTURAL INTEGRITY.
- 7. BLAST CLEAN ALL SURFACES TO BE IN CONTACT WITH NEW CONCRETE. REMOVE ALL GREASE AND DIRT. REMOVE ALL RUST AND MORTAR WHICH IS NOT FIRMLY BONDED TO THE SURFACE BEING CLEANED. RUST AND CONCRETE DEPOSITS WHICH ARE FIRMLY BONDED AND CANNOT BE REMOVED BY BLAST CLEANING MAY REMAIN. A LIGHT COATING OF ORANGE RUST, THAT FORMS ON STEEL SURFACES AFTER BLAST CLEANING, IS NOT CONSIDERED DETRIMENTAL TO BOND AND MAY REMAIN. REMOVE ALL DEBRIS CREATED BY BLAST CLEANING. APPLY BONDING AGENT AS SPECIFIED IN SECTION 03001.
- 8. EXISTING REINFORCEMENT, WHICH HAS LOST SIGNIFICANT SECTION AS DETERMINED BY THE ENGINEER, SHALL BE REPLACED IN KIND.
- WHEN JOINING FRESH CONCRETE TO NEW CONCRETE WHICH HAS ALREADY SET, OR TO EXISTING CONCRETE. THE CONCRETE IN PLACE SHALL HAVE ITS SURFACE SCOURED OR ABRADED WITH A SUITABLE TOOL TO REMOVE ALL LOOSE AND FOREIGN MATERIALS. THIS SURFACE SHALL BE SCRUBBED WITH WIRE BROOMS AND AIR CLEANED. AFTER THE SURFACE PREPARATION HAS BEEN ACCEPTED, THIS SURFACE SHALL BE THOROUGHLY WET AND KEPT SO FOR A PERIOD OF 12 HOURS IMMEDIATELY PRIOR TO PLACING THE NEW CONCRETE. THIS MAY BE ACCOMPLISHED BY CONTINUOUS WETTING WITH SOAKER HOSES OR THE USE OF BURLAP/BURLENE/ETC. SO THAT MOISTURE CAN BE MAINTAINED. IF, IN THE OPINION OF THE ENGINEER, CONDITIONS OR THE SITUATION PROHIBITS THIS, THEN THE SURFACES SHALL BE WETTED FOR AS LONG AS POSSIBLE. THE CONTRACTOR SHALL REMOVE ANY PUDDLES OR FREE STANDING WATER WITH OIL-FREE COMPRESSED AIR, AND PROTECT THE SURFACES FROM DRYING, SO THAT THE EXISTING CONCRETE REMAINS IN A CLEAN, SATURATED SURFACE DRY CONDITION UNTIL PLACEMENT OF THE NEW CONCRETE. IMMEDIATELY BEFORE PLACING THE NEW CONCRETE, THE FORMS SHALL BE DRAWN TIGHT AGAINST THE CONCRETE ALREADY IN PLACE. NO MATERIAL SHALL BE PLACED IF THE AMBIENT AIR, OR CONCRETE SURFACE TEMPERATURE IS AT, OR BELOW 45°F.
- 10. IF FORMWORK CONFIGURATION, OR CLEARANCES BETWEEN FORMWORK, STEEL

- AND EXISTING CONCRETE ARE SUCH THAT CLASS D CONCRETE CANNOT BE PLACED WITHOUT VOIDS, OR HONEYCOMBING, THE CONTRACTOR MAY, WITH THE ENGINEER'S PERMISSION, USE AN APPROVED HIGH RANGE WATER REDUCER TO INCREASE THE CONCRETE'S WORKABILITY. THE HIGH RANGE WATER REDUCER SHALL BE ADDED AT THE WORK SITE ONLY AND SHALL BE DISPERSED UNIFORMLY THROUGHOUT THE PLASTIC CONCRETE. THE ENGINEER SHALL APPROVE THE CONTRACTOR'S DISPERSAL METHODS AND DEVICES PRIOR TO THEIR ACTUAL USE. THE HIGH RANGE WATER REDUCER SHALL BE ADDED ONLY AFTER THE CONCRETE HAS REACHED THE PROPER SLUMP AND CONTAINS THE REQUIRED QUANTITY OF AIR. NO MORE THAN TWO ADDITIONS OF THE ADMIXTURE SHALL BE MADE, AND THE MANUFACTURER'S MAXIMUM DOSAGE RATE SHALL NOT BE EXCEEDED. AFTER THE ADMIXTURE HAS BEEN ADDED, THE CONCRETE SHALL BE MIXED AN ADDITIONAL 30 REVOLUTIONS. THE SECOND ADMIXTURE ADDITION SHALL BE MADE ONLY AFTER THE 30 REVOLUTIONS REQUIRED FOR THE FIRST ADDITION HAVE BEEN COMPLETED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT CONCRETE SLUMP DOES NOT EXCEED 9 INCHES, AND AIR CONTENT REMAINS WITHIN SPECIFICATION REQUIREMENTS. PLASTIC CONCRETE MIXES FAILING TO MEET THE FOREGOING REQUIREMENTS WILL BE SUBJECT TO REJECTION. REPLACEMENT WILL BE DONE AT THE CONTRACTOR'S EXPENSE. THE ENGINEER MAY ALLOW HIGH RANGE WATER REDUCER TO BE ADDED AT THE CONCRETE BATCHING FACILITIES. CONSIDERATION FOR THIS PROCEDURE WILL BE UNDERTAKEN ONLY AFTER THE CONTRACTOR HAS CLEARLY DEMONSTRATED THE CAPABILITY OF PROVIDING CONCRETE WHICH MEETS THE REQUIREMENTS OF THIS SUBSECTION.
- 11. FORMS SHALL BE REMOVED FROM THIN CONCRETE PLACEMENTS 24 CURING HOURS AFTER PLACEMENT HAS BEEN COMPLETED UNLESS THE ENGINEER DETERMINES THE CONCRETE IS NOT STRONG ENOUGH TO WITHSTAND DAMAGE. FOR PURPOSES OF THIS SUBSECTION, A THIN CONCRETE PLACEMENT BEGINS AT THE OUTERMOST SURFACE OF THE NEW CONCRETE AND GENERALLY TERMINATES AT, OR BEFORE, THE MIDPOINT OF THE MAIN REINFORCING STEEL. CONCRETE MAY BE REMOVED AND REPLACED COMPLETELY AROUND ONE OR TWO MAIN REINFORCING STEEL MEMBERS TO A DEPTH NO GREATER THAN 1 INCH FROM THE INNERMOST SURFACE OF THOSE MEMBERS AND STILL BE CONSIDERED A THIN CONCRETE PLACEMENT. MAIN REINFORCING STEEL MEMBERS INCLUDE REINFORCING BARS, BUT NOT SPIRAL REINFORCEMENT OR STIRRUPS. CURING PROCEDURES SHALL BE IMPLEMENTED IMMEDIATELY UPON FORM REMOVAL.
- 12. UNLESS OTHERWISE INDICATED ON THE PLANS, WORK TO BE PERFORMED UNDER THIS CONTRACT DOES NOT REQUIRE THE DISTURBING, DESTRUCTION OR REMOVAL OF ANY KNOWN MATERIALS CONTAINING ASBESTOS. UNLESS OTHERWISE INDICATED ON THE PLANS, IT IS THE EXPRESS INTENT OF THIS CONTRACT THAT THESE MATERIALS NOT BE DISTURBED IN ANY WAY. SHOULD THE CONTRACTOR BE FORCED TO DISTURB IN ANY WAY ANY SUCH MATERIALS, THE CONTRACTOR SHALL FIRST BE FAMILIAR WITH INDUSTRIAL CODE RULE 56 OF THE N.Y.S. DEPARTMENT OF LABOR.
- 13. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF THIS PROJECT, THE EXACT EXTENT OF REPAIR WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.
- 14. THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE COUNTY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE COUNTY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- 15. WHENEVER WORK IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THAT WORK.
- 16. DURING REMOVAL OPERATIONS, THE CONTRACTOR SHALL NOT BE ALLOWED TO DROP WASTE CONCRETE, DEBRIS AND OTHER MATERIAL TO THE AREA BELOW THE WORK AREA EXCEPT WHERE THE PLANS SPECIFICALLY PERMIT THE DROPPING OF MATERIAL. PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE USED TO CATCH THE MATERIAL. IF THE ENGINEER DETERMINES THAT ADEQUATE PROTECTIVE DEVICES ARE NOT BEING EMPLOYED, THE WORK SHALL BE SUSPENDED UNTIL ADEQUATE PROTECTION IS PROVIDED.
- 17. ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE WORK AREA SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE COUNTY.
- 18. THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE PRICE BID FOR THE CONTRACT.
- 19. ALL CONCRETE REPAIR AREAS SHALL BE SEALED WITH A PENETRATING TYPE PROTECTIVE SEALER.

RECORD DRAWING

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

DATE: <u>10/5/2016</u>



						NOTES:
						UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS
						PRESENTLY NOT KNOWN.
1	REVISED SECTIONS AND DETAILS	JAD	SMB	WFK	06/2015	IT IS VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED
0	FOR BID	JAD	WAF	WFK	08/2014	PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DRAWING IN ANYWAY. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF SUCH ALTERATION
No	Revision Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date	AND A SPECIFIC DESCRIPTION OF THE ALTERATION.





	Drawn JAD	Designer WAF	Client
		<u> </u>	Project
,	Drafting WAF	Design Check WFK	Title
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02	Date	This Drawing shall not be used	Original Siz
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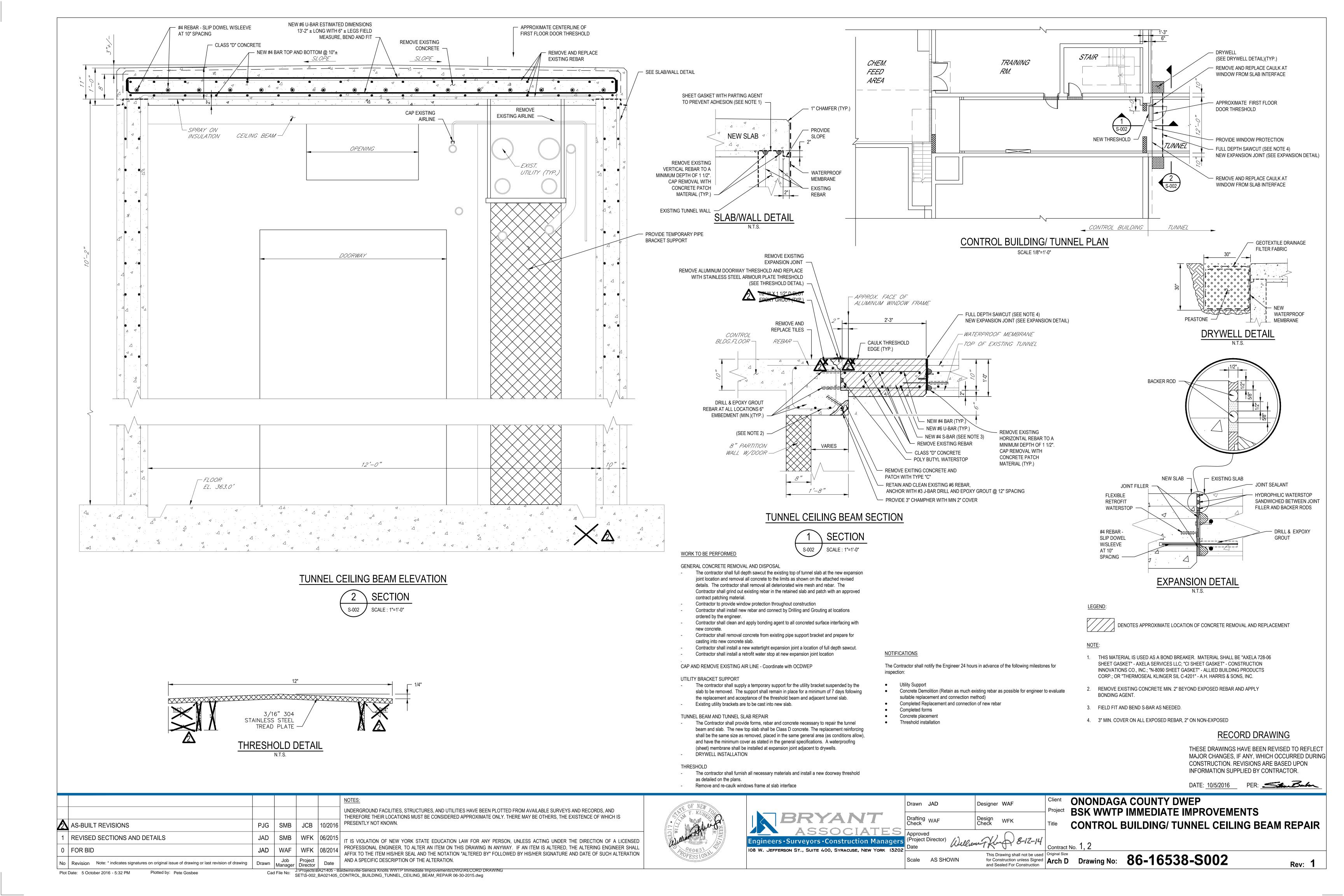
Client ONONDAGA COUNTY DWEP
Project BSK WWTP IMMEDIATE IMPROVEMENTS
Title CONCRETE REPAIR DETAILS

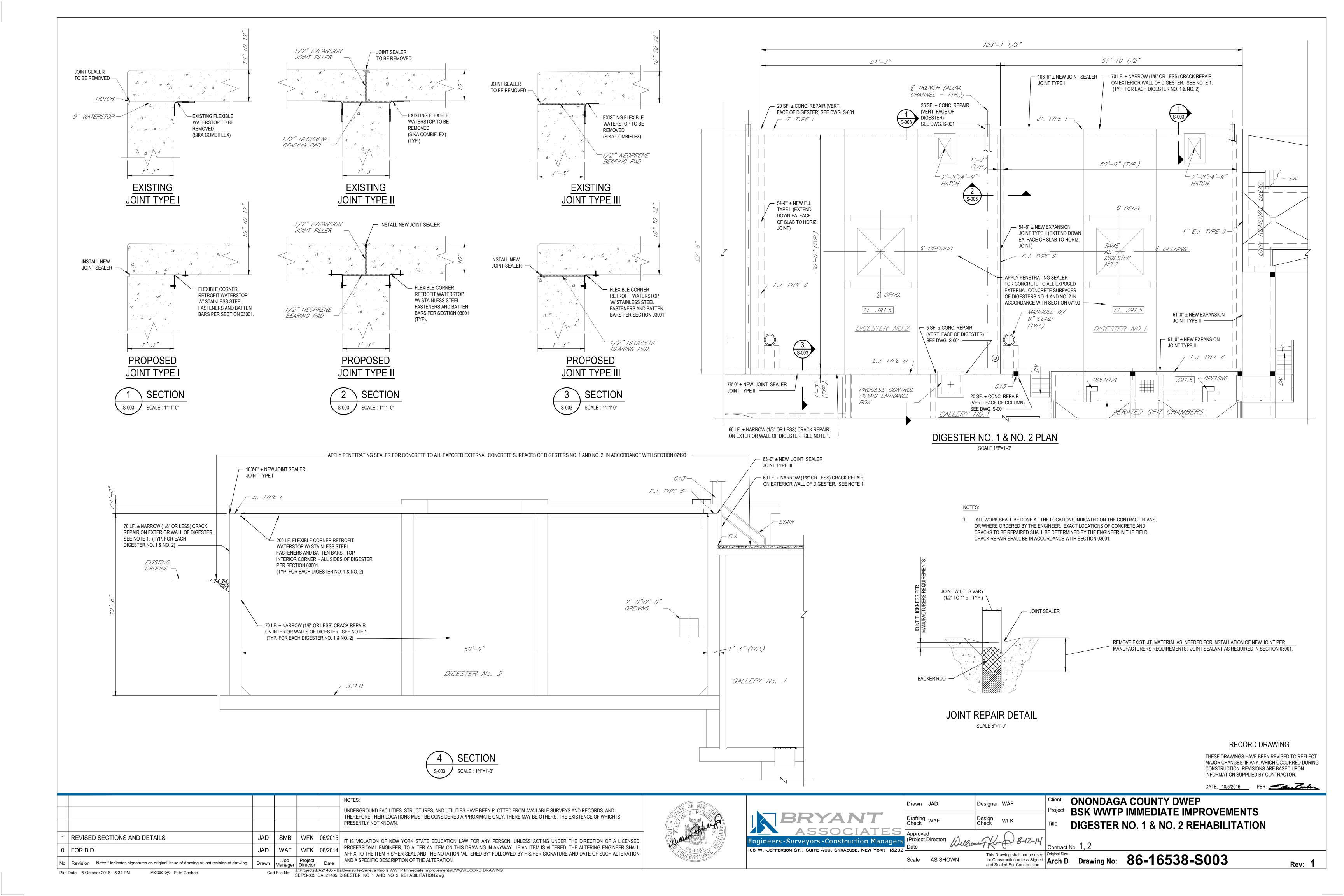
This Drawing shall not be used for Construction unless Signed and Sealed For Construction

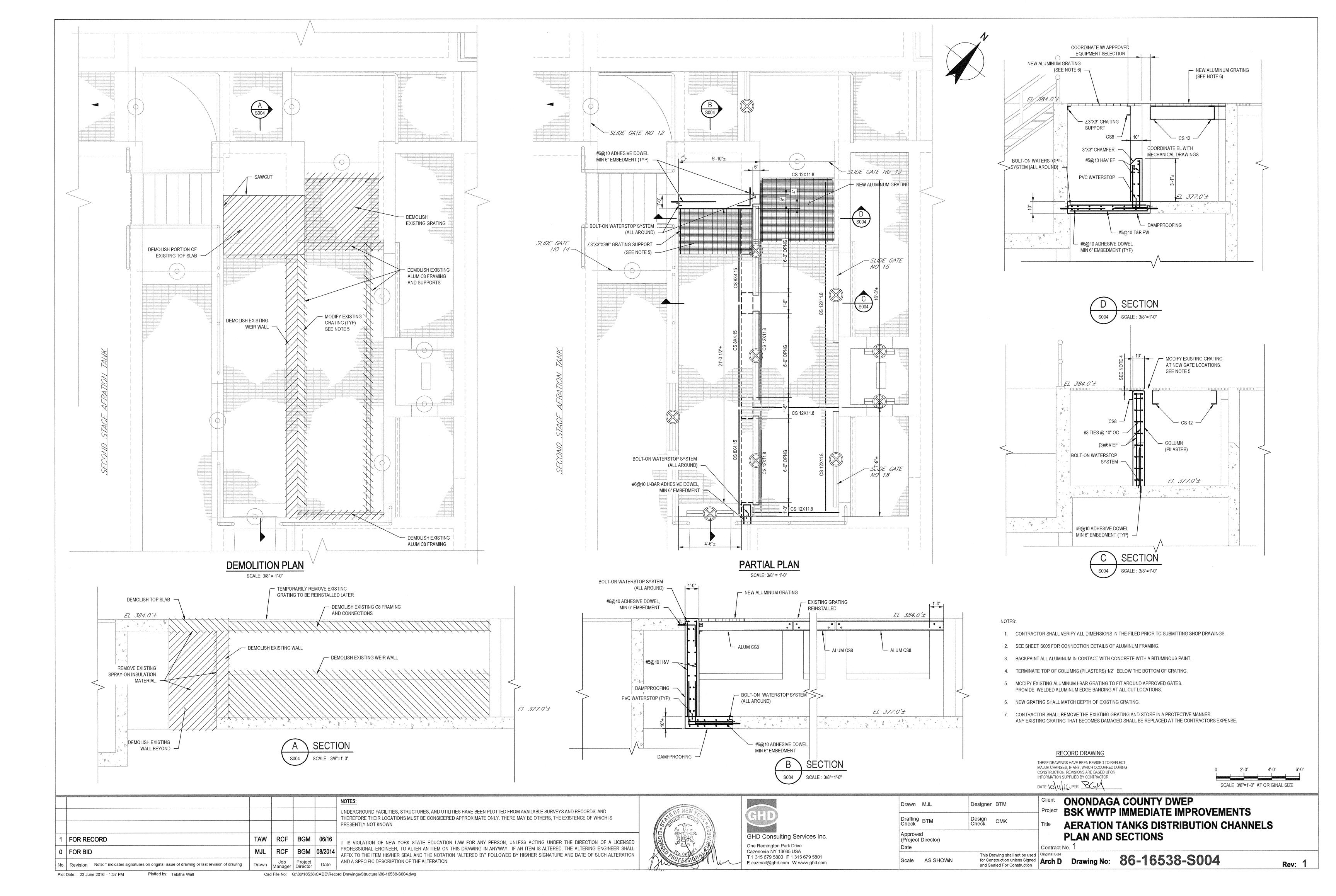
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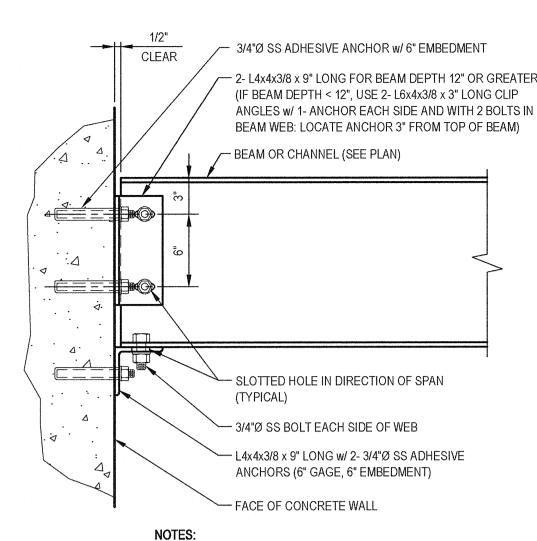
Drawing No: 86-16538-S001

Rev: 1





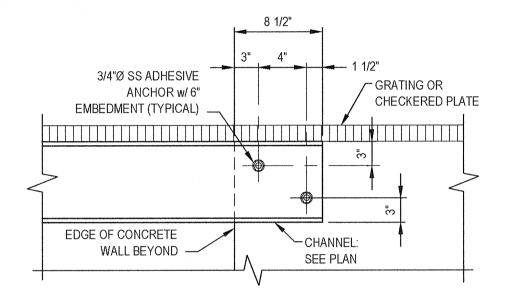




- CLIP ANGLE MATERIAL TO MATCH BEAM MATERIAL
- 2. SEE PLANS FOR BEAM SIZE AND MATERIAL.

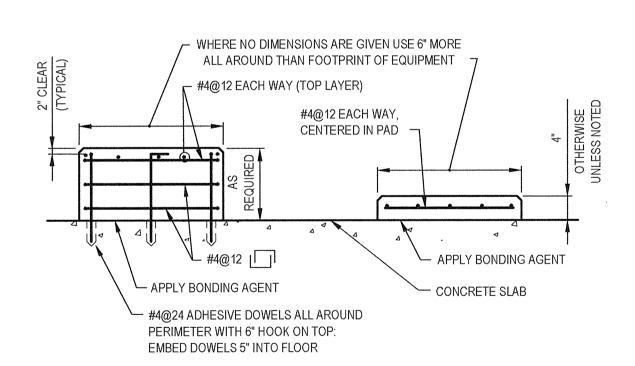
BEAM AND CHANNEL CONNECTION TO CONCRETE WALL

NOT TO SCALE



SIDE-MOUNTED CHANNEL FOR SUPPORT OF GRATING

NOT TO SCALE



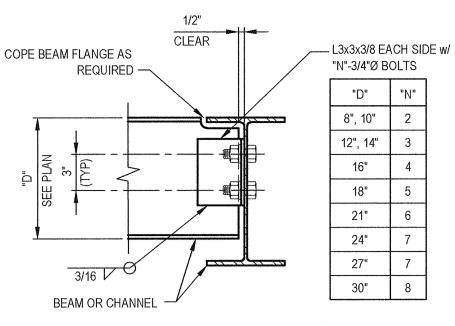
TYPICAL EQUIPMENT/PUMP PAD A

2 FOR RECORD

0 FOR BID

1 REVISED DURING CONSTRUCTION

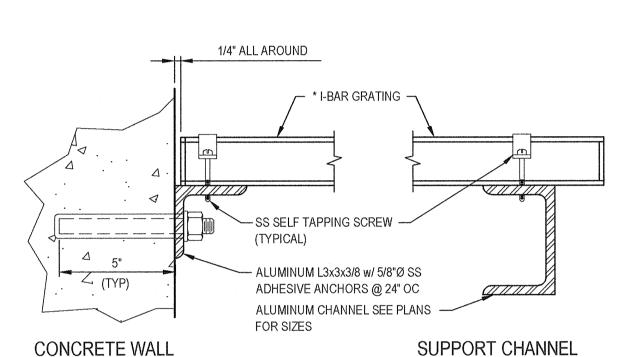
REINFORCEMENT FOR CONCRETE PADS



- CLIP ANGLE MATERIAL TO MATCH BEAM MATERIAL.
- 2. PROVIDE SINGLE SIDED CONNECTION AT CHANNELS. PROVIDE DOUBLE SIDED CONNECTION AT WIDE FLANGE BEAMS.
- 3. FOR 6" DEEP MEMBERS, USE ∠6x6x3/8 x 4" LONG CLIP ANGLES WITH 2-3/4"Ø BOLTS ON OUTSTANDING LEG ALIGNED HORIZONTALLY.
- 4. USE STAINLESS STEEL BOLTS WITH ALUMINUM FRAMING.

BEAM AND CHANNEL CONNECTION

NOT TO SCALE



* NOTE: GRATING TYPE AND DEPTH SHALL MATCH EXISTING GRATING.

GRATING

NOT TO SCALE (REFERENCE SECTION 05500)

C	CONCRETE REINFORCEMENT LAP SPLICE LENGTHS (FOR DEVELOPMENT AND LAP SPLICES)								
SIZE	HORIZONTAL BARS *	OTHER BARS							
#4	24" (2'-0")	18" (1'-6")							
#5	30" (2'-6")	21" (1'-9")							
#6	36" (3'-0")	24" (2'-0")							
#7 48" (4'-0") 33" (2'-9")									
#8	#8 54" (4'-6") 39" (3'-3")								
#9 60" (5'-0") 42" (3'-6")									

HORIZONTAL BARS INCLUDE:

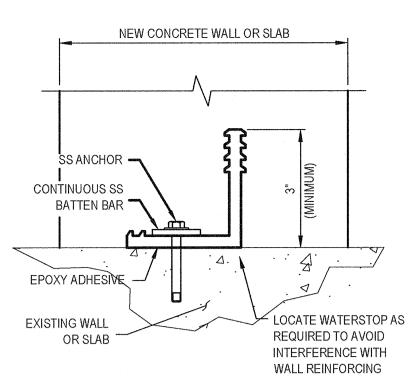
66" (5'-6")

- HORIZONTAL WALL REINFORCING BARS.
- 2. REINFORCING BARS FOR SLABS AND WALL FOOTINGS GREATER THAN 12" THICK.

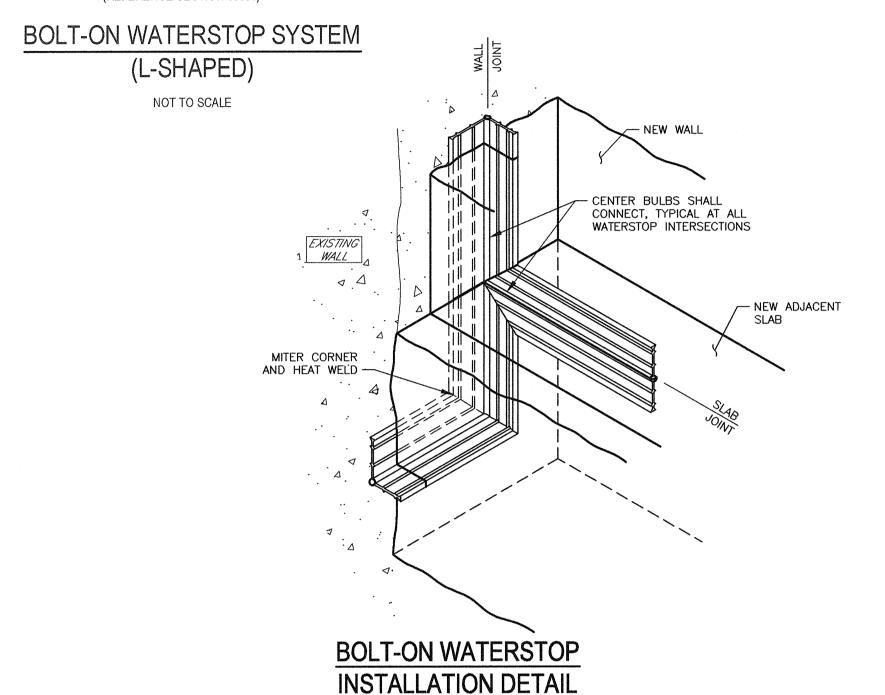
UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS

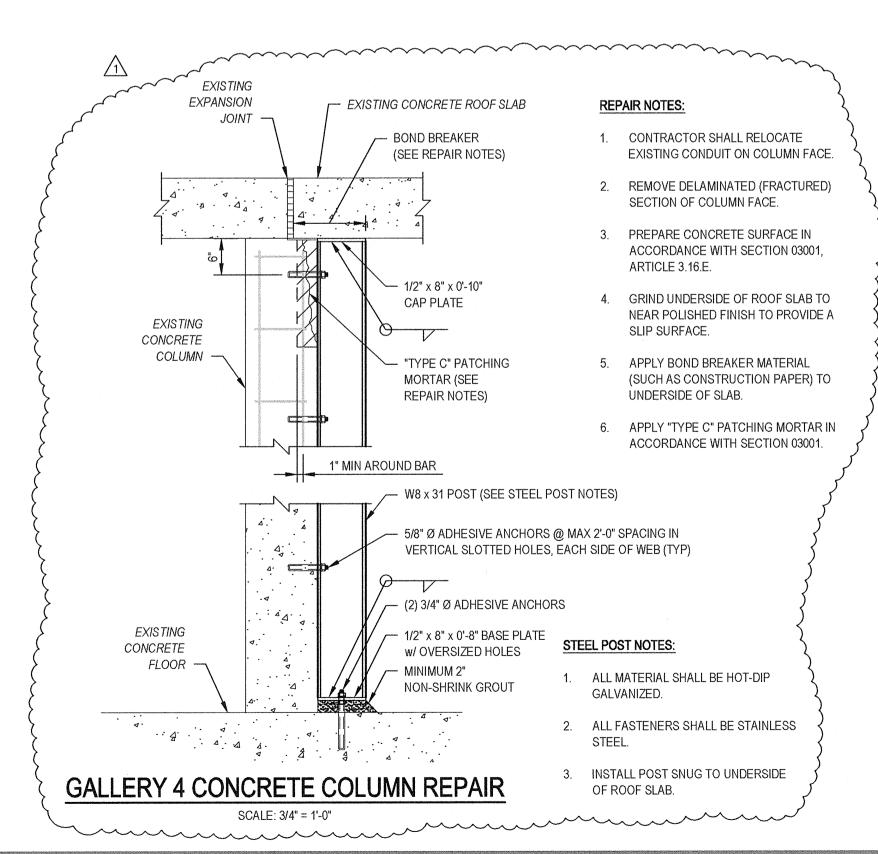
AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF SUCH ALTERATION

48" (4'-0")



(REFERENCE SECTION 03001)





GHD Consulting Services Inc.

T 1 315 679 5800 F 1 315 679 5801

E cazmail@ghd.com W www.ghd.com

One Remington Park Drive

Cazenovia NY 13035 USA

GENERAL STRUCTURAL NOTES:

- 1. STRUCTURAL DRAWINGS SHALL BE COORDINATED AND USED IN CONJUNCTION WITH OTHER CONTRACT DRAWINGS. ANY APPARENT DISCREPANCIES SHALL BE BROUGHT TO ENGINEER'S ATTENTION FOR CLARIFICATION PRIOR TO PROCEEDING ON SUCH WORK.
- 2. NO CHANGES OF THE STRUCTURAL SYSTEM AS INDICATED ON THESE STRUCTURAL DRAWINGS SHALL BE DONE PRIOR TO RECEIVING WRITTEN APPROVAL FROM THE ENGINEER.
- 3. THESE STRUCTURAL DRAWINGS DO NOT IDENTIFY COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY. THE CONTRACTOR SHALL BE RESPONSIBLE TO IDENTIFY AND PROVIDE COMPONENTS REQUIRED FOR CONSTRUCTION SAFETY.
- THE CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND SITE CONDITIONS PRIOR TO STARTING CONSTRUCTION.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARILY BRACING AND MAINTAINING THE STABILITY OF THE STRUCTURES DURING CONSTRUCTION AND PORTIONS OF STRUCTURES BEING RECONSTRUCTED. THE STRUCTURES SHALL BE ASSUMED UNSTABLE UNTIL ALL OF THE WALLS, CONNECTIONS, AND ROOF (IF APPLICABLE) ARE FULLY INSTALLED.
- SECTIONS AND DETAILS ON THE STRUCTURAL DRAWINGS ARE TO BE CONSIDERED TYPICAL FOR SIMILAR CONSTRUCTION NOT FULLY DETAILED.
- 7. CHEMICAL ADHESIVE SYSTEMS SHALL BE USED TO INSTALL ALL COMPONENTS AND ACCESSORIES (BOLTS, DOWELS, ETC.) INTO HARDENED CONCRETE
- 8. THE NOTES ON THIS SHEET ARE ONLY INTENDED TO SUPPLEMENT THE SPECIFICATIONS. REFER TO THE APPLICABLE SPECIFICATIONS FOR ALL REQUIREMENTS AND ADDITIONAL INFORMATION.

CONCRETE NOTES (REFERENCE DIVISION 3 SPECIFICATIONS)

- 1. ALL CONCRETE SHALL BE MIXED, CONVEYED, PLACED, CURED, AND TESTED IN ACCORDANCE WITH ACI 301, ACI 318, ACI 350, AND CHAPTER 19 OF THE BUILDING CODE REFERENCED IN THE "STRUCTURAL DESIGN CRITERIA". REFER TO DIVISION 3 SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
- CONCRETE CLASSES AND THEIR USE AS SPECIFIED IN SECTION 03001:
- MIX A ALL GENERAL USES NOT OTHERWISE SPECIFIED OR PROVIDED FOR BELOW. CONCRETE REPAIRS (NYSDOT CLASS D CONCRETE)
- 3. AIR ENTRAINMENT IS REQUIRED FOR ALL EXTERIOR EXPOSED CONCRETE AND FOR ALL LIQUID CONTAINMENT STRUCTURES.

4.	CLEAR COVER SHALL CONFORM TO ACI 318 AND ACI 350 AS FOLLOWS:	
	CONCRETE CAST AGAINST EARTH	= 3"
	TOP OF BASE SLABS WITH PVC WATERSTOPS	= 3"
	CONCRETE EXPOSED TO EARTH, WEATHER, AND WATER	= 2"
	BEAMS AND COLUMNS (TIES AND STIRRUPS)	= 1½"
	BEAMS AND COLUMNS (PRIMARY REINFORCEMENT)	= 2"

- 5. ALL REINFORCING STEEL BARS SHALL BE ASTM A615, GRADE 60, DEFORMED BARS.
- 6. TYPICAL STRUCTURE REINFORCING BAR LAP LENGTHS (SPLICES) SHALL BE AS SHOWN IN THE "REINFORCEMENT SPLICE LENGTHS" TABLE ON THIS SHEET, UNLESS NOTED OTHERWISE ON THE CONTRACT DRAWINGS.
- 7. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A185. THE MINIMUM LAP SPLICE SHALL BE 6 INCHES.
- 8. ALL EXPOSED EDGES OF CONCRETE SHALL HAVE A $\frac{3}{4}$ " BY $\frac{3}{4}$ " CHAMFER (INCLUDING TOPS AND OUTSIDE CORNERS OF WALLS AND SLABS), U.N.O.
- PROVIDE WATERSTOPS IN ALL STRUCTURES THAT ARE INTENDED TO BE DRY SPACES BELOW GRADE.
- a. WATERSTOPS SHALL BE INSTALLED AS A CONTINUOUS LOOP, INTERCONNECTING ALL CONCRETE JOINTS.
- b. ALL PVC WATERSTOPS SHOWN ON THE DRAWINGS SHALL BE 6 INCHES, UNLESS NOTED OTHERWISE
- c. PVC WATERSTOPS SHALL BE HEAT-WELDED/GLUED AT ALL SEAMS, IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- d. WATERSTOP SHALL BE TERMINATED 3 INCHES BELOW THE TOP OF WALLS.
- 10. VERTICAL JOINTS IN FOUNDATION FROST WALLS SHALL LINE UP WITH MASONRY BLOCK (CMU) CONTROL JOINTS.
- 11. EXTERIOR SLABS (PADS) SHALL BE A MINIMUM 10" THICK WITH #4@12" T&B EW, OR AS SHOWN ON THE DRAWING.
- 12. ALL EXTERIOR SLABS SHALL HAVE A $\frac{1}{4}$ " PER FOOT SLOPE ($\frac{1}{8}$ " PER FOOT MINIMUM) IN ORDER TO PROVIDE POSITIVE DRAINAGE.
- 13. THE CONTRACTOR SHALL PROPOSE ADDITIONAL CONSTRUCTION JOINTS AS NEEDED TO FACILITATE CONSTRUCTION. ALL PROPOSED CONSTRUCTION JOINTS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTING.
- 14. THE CONTRACTOR SHALL COORDINATE ALL OPENINGS AND PENETRATIONS IN CONCRETE WITH ALL ARCHITECTURAL, MECHANICAL, HVAC, PLUMBING, AND ELECTRICAL WORK. NOTE THAT NOT ALL OPENINGS AND PENETRATIONS ARE SHOWN ON THE STRUCTURAL DRAWINGS.
- 15. COORDINATE AND CAST IN ALL EMBEDDED CONCRETE ACCESSORIES REQUIRED FOR STRUCTURAL AND MECHANICAL ACCESSORIES AND EQUIPMENT. POST INSTALLATION OF EMBEDDED ITEMS IS NOT ACCEPTABLE
- 16. COORDINATE SIZE OF ALL EQUIPMENT PADS WITH APPROVED EQUIPMENT MANUFACTURER.
- 17. REFER TO DIVISION 3 OF THE SPECIFICATIONS FOR ALL OTHER REQUIREMENTS

METAL AND MISCELLANEOUS FABRICATIONS (REFERENCE DIVISION 5 SPECIFICATIONS)

- ALL ALUMINUM TO BE IN CONTACT WITH, CAST-IN OR EMBEDDED INTO MASONRY OR CONCRETE SHALL BE BACKPAINTED WITH A BITUMINOUS COATING.
- 2. ALL FASTENERS USED TO FASTEN ALUMINUM SHALL BE TYPE 316, STAINLESS STEEL.
- 3. ALL FASTENERS USED TO FASTEN FIBERGLASS SHALL BE TYPE 316, STAINLESS STEEL 4. ALL GRATING SHALL HAVE A NON-SLIP SURFACE AND SHALL BE EDGE BANDED.
- 5. ALL NEW AND EXISTING (REINSTALLED) GRATING SHALL BE INSTALLED WITH STAINLESS STEEL HOLD DOWN CLIPS.

RECORD DRAWING

THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

DATE: WILL PER: BCM

Scale AS SHOWN

Drawn MJL	Designer	RTM	Clie
Diawii WoL	Designer	D I WI	Pro
Drafting Check BTM	Design Check	СМК	Title
Approved (Project Director)			
Date			Con

ient ONONDAGA COUNTY DWEP oject BSK WWTP IMMEDIATE IMPROVEMENTS **AERATION TANKS DISTRIBUTION CHANNELS DETAILS**

Rev: 2

for Construction unless Signed and Sealed For Construction

Arch D Drawing No: 86-16538-S005

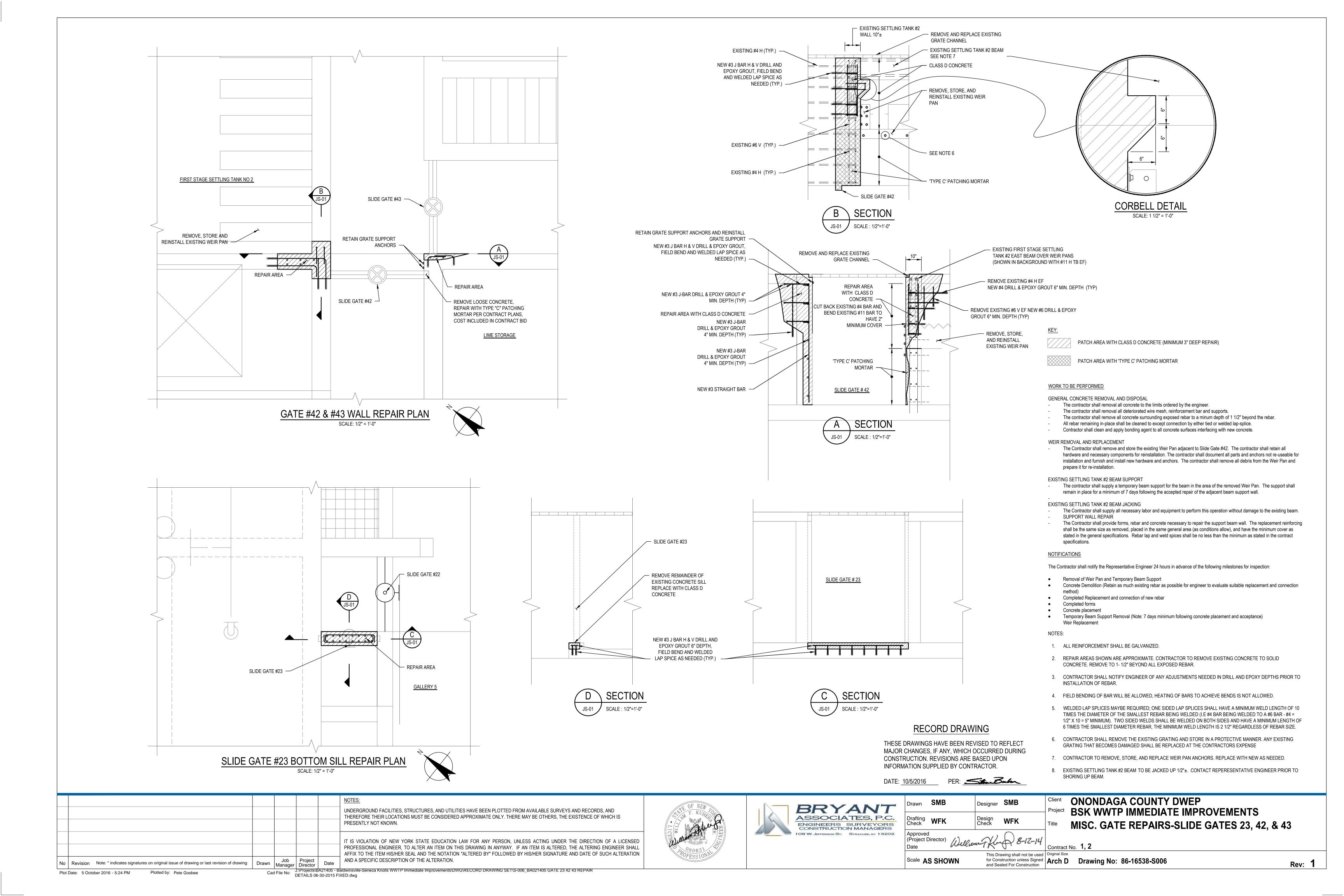
AND A SPECIFIC DESCRIPTION OF THE ALTERATION. No Revision Note: * indicates signatures on original issue of drawing or last revision of drawing Plot Date: 31 August 2016 - 9:04 AM Plotted by: Tabitha A McGarvey

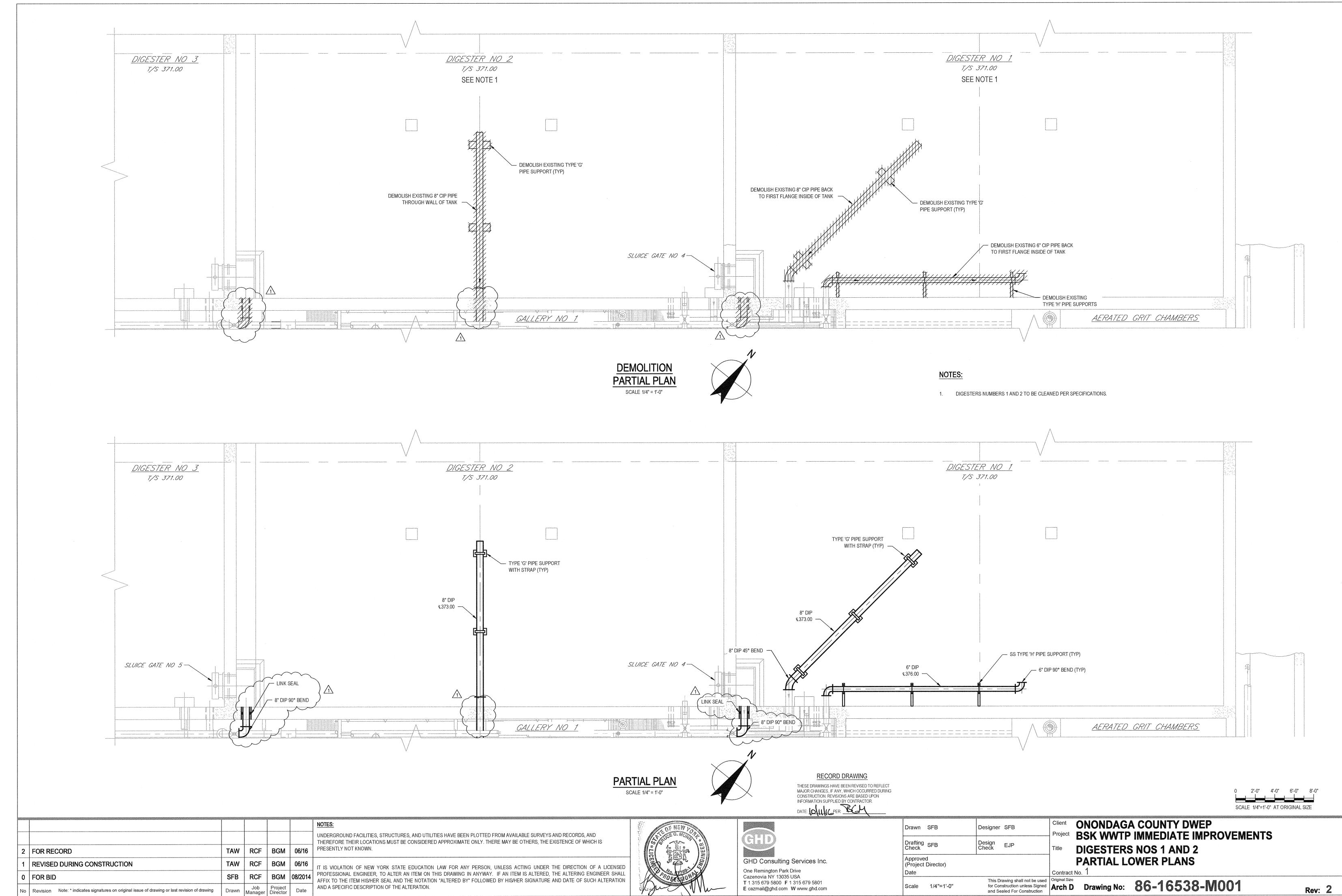
TAM | RCF | BGM | 08/16

HOUSEKEEPING PAD ◆

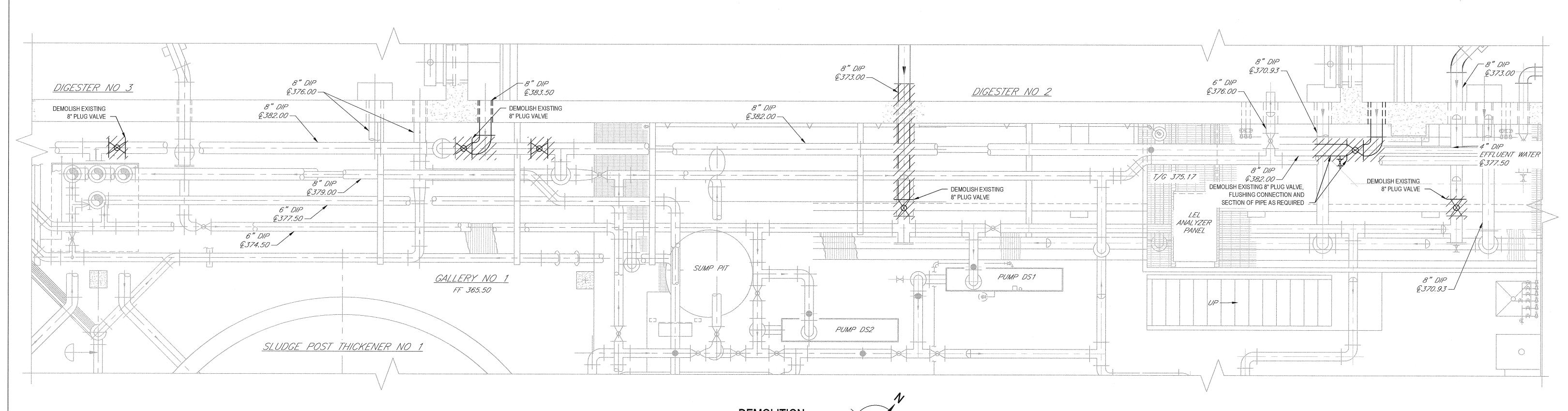
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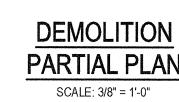
PRESENTLY NOT KNOWN



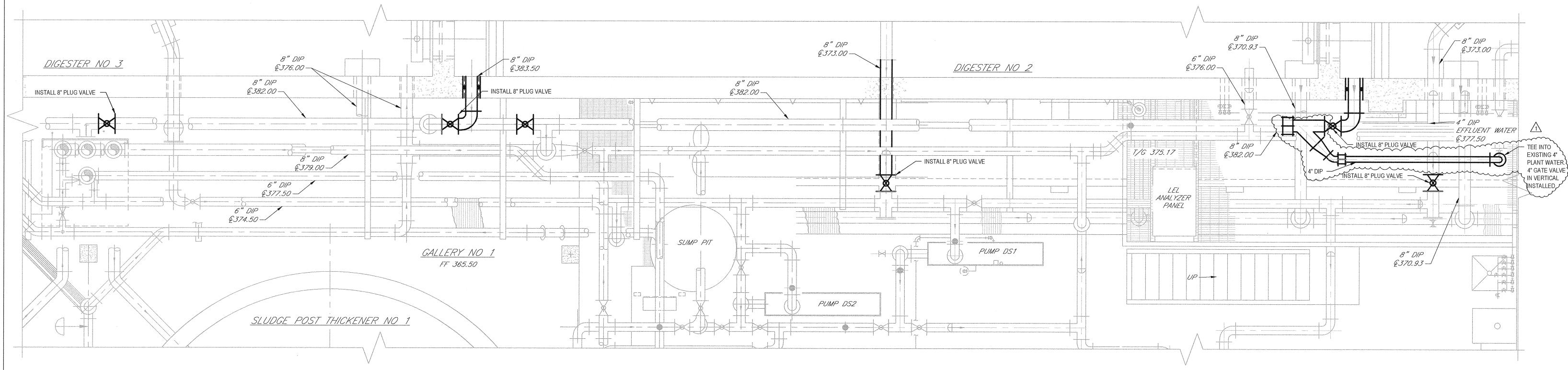


Plot Date: 23 June 2016 - 2:48 PM Plotted by: Tabitha Wall Cad File No: G:\86\16538\CADD\Record Drawings\Mechanical\86.16538-M001.dwg







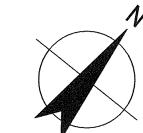


NOTES:

0 FOR BID

- 1. ALL PLUG VALVES INSTALLED SHALL HAVE CHAIN OPERATORS PER SPECIFICATIONS.
- 2. ALL PLUG VALVES SHALL BE INSTALLED SO THAT WHEN CLOSED THE PLUG IS IN THE UPSTREAM END OF THE VALVE.
- 3. IN HORIZONTAL PIPING, PLUG VALVES SHALL BE INSTALLED SO THAT WHEN OPEN THE PLUG IS IN THE UPPER PART OF THE VALVE BODY.
- 4. IN HORIZONTAL PIPING, PLUG VALVES SHALL BE INSTALLED SO THAT THE PLUG SHAFT IS IN THE HORIZONTAL POSITION.





RECORD DRAWING THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

DATE: DULICPER: BCM

Designer SFB Drawn SFB Drafting SFB Check

This Drawing shall not be used Original Size

Approved

Scale 3/8"=1'-0"

GALLERY NO 1

SCALE 3/8"=1'-0" AT ORIGINAL SIZE

Rev: 2

for Construction unless Signed and Sealed For Construction

Arch D

Drawing No: 86-16538-M002

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Drawn Manager Director Plot Date: 30 August 2016 - 2:31 PM Plotted by: Tabitha A McGarvey Cad File No: G:\86\16538\CADD\Record Drawings\Mechanical\86.16538-M002.dwg

No Revision Note: * indicates signatures on original issue of drawing or last revision of drawing

UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS. THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN. 2 FOR RECORD TAW RCF BGM 06/16 TAW RCF BGM 06/16 REVISED DURING CONSTRUCTION SFB | RCF | BGM | 08/2014

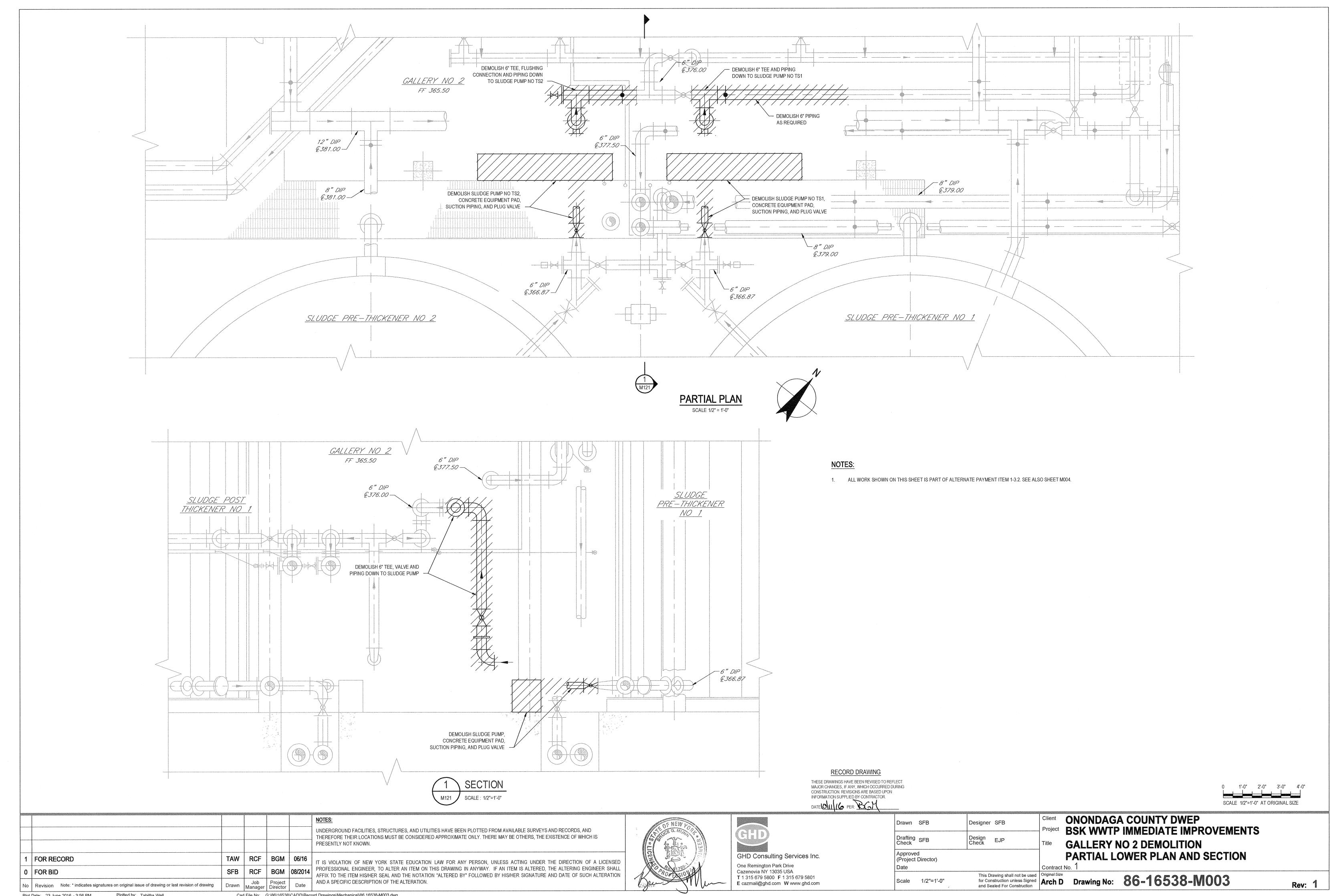
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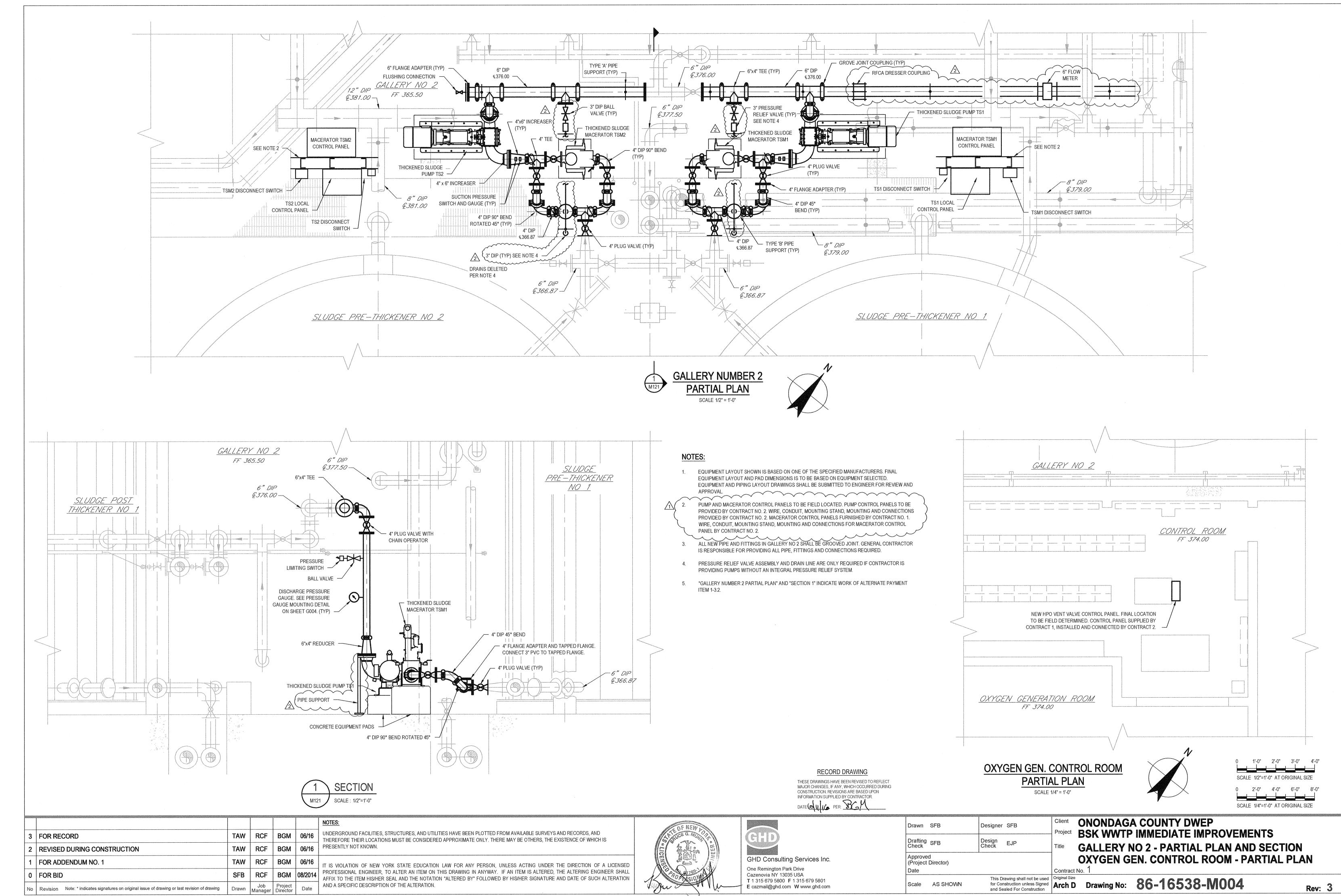


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ONONDAGA COUNTY DWEP
BSK WWTP IMMEDIATE IMPROVEMENTS PARTIAL LOWER PLANS (Project Director)



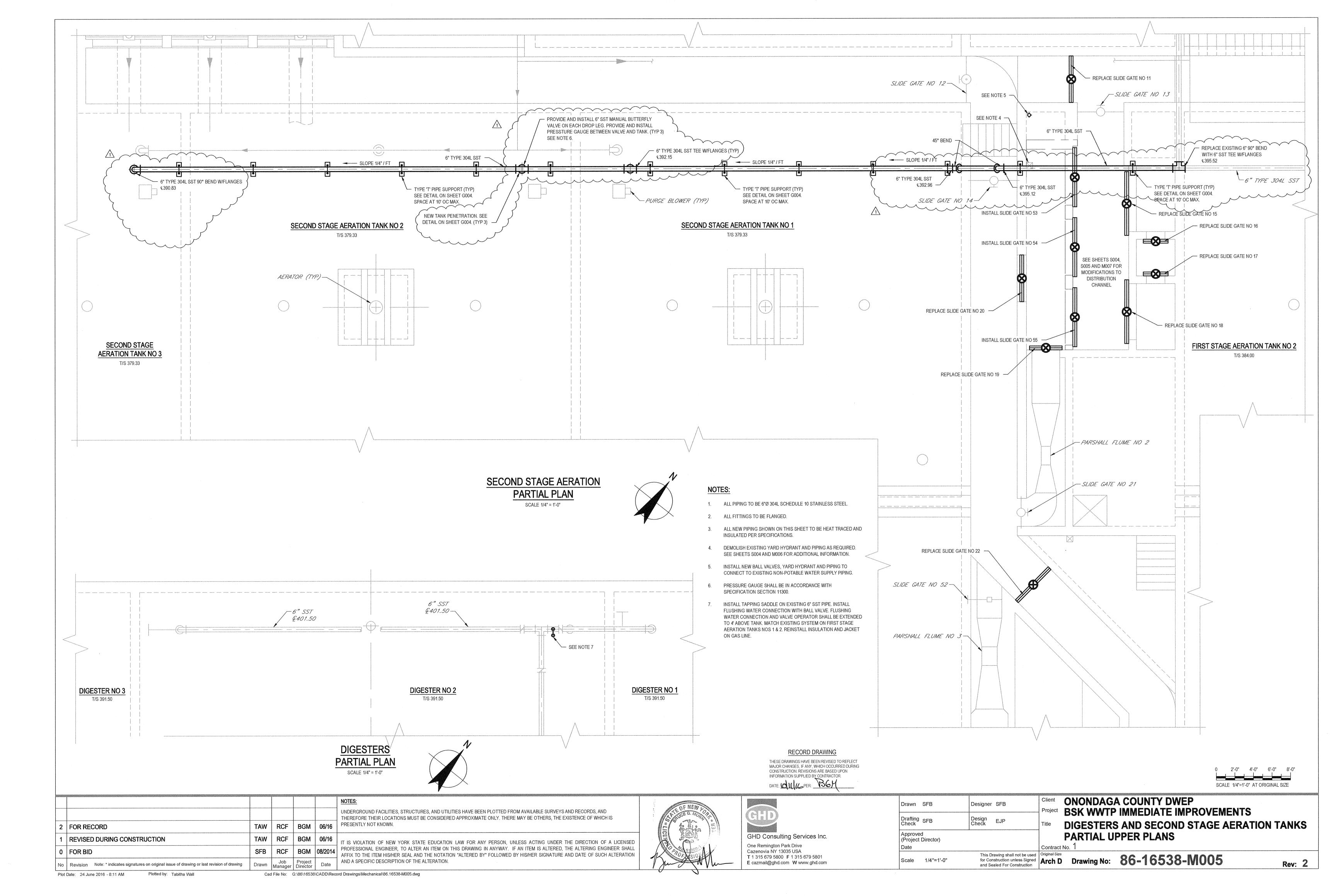
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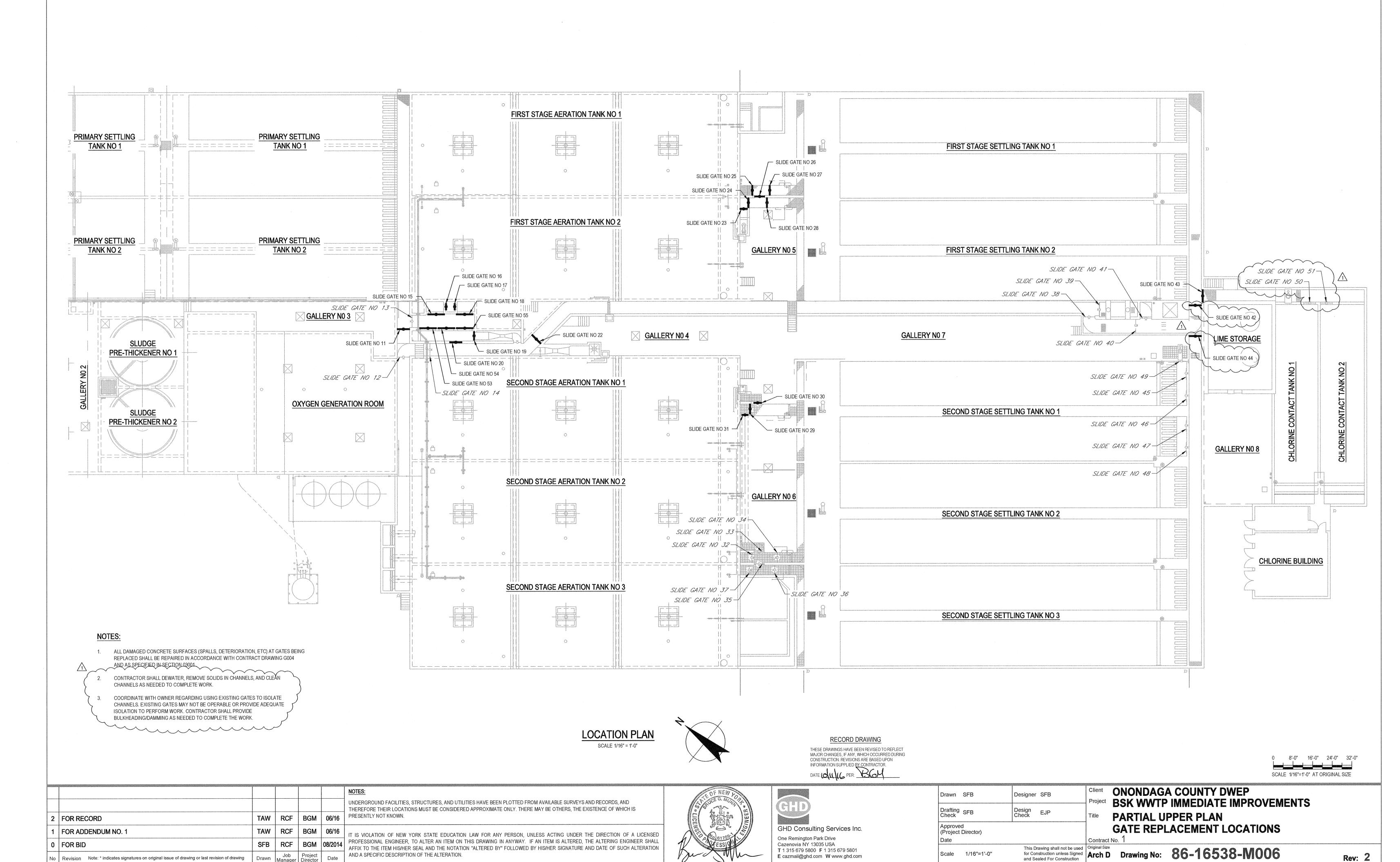


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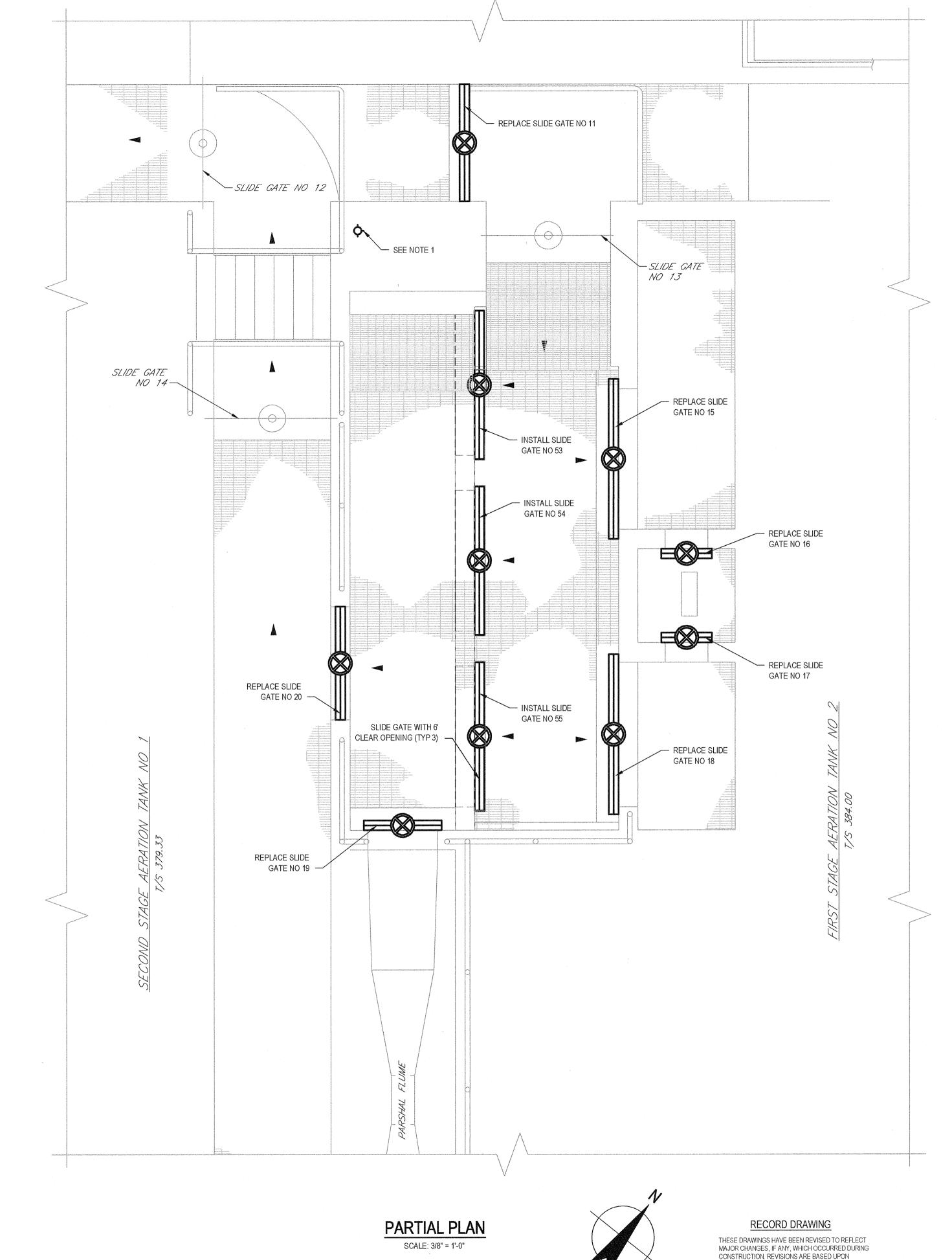
Plot Date: 31 August 2016 - 7:55 AM

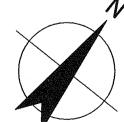
Plotted by: Tabitha A McGarvey





Plot Date: 24 June 2016 - 8:13 AM Plotted by: Tabitha Wall Cad File No: G:\86\16538\CADD\Record Drawings\Mechanical\86.16538-M006.dwg





THESE DRAWINGS HAVE BEEN REVISED TO REFLECT MAJOR CHANGES, IF ANY, WHICH OCCURRED DURING CONSTRUCTION. REVISIONS ARE BASED UPON INFORMATION SUPPLIED BY CONTRACTOR.

DATE: LOLLIC PER: BCH

- 1. INSTALL NEW BALL VALVE, YARD HYDRANT AND PIPING TO CONNECT TO EXISTING
- NON-POTABLE WATER SUPPLY PIPING.

and Sealed For Construction

2. SEE SHEET S004 FOR STRUCTURAL MODIFICATIONS TO CHANNEL.

SCALE 3/8"=1'-0" AT ORIGINAL SIZE

Rev: 1

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1	FOR RECORD	TAW	RCF	BGM	06/16	
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UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.

IT IS VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DRAWING IN ANYWAY. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



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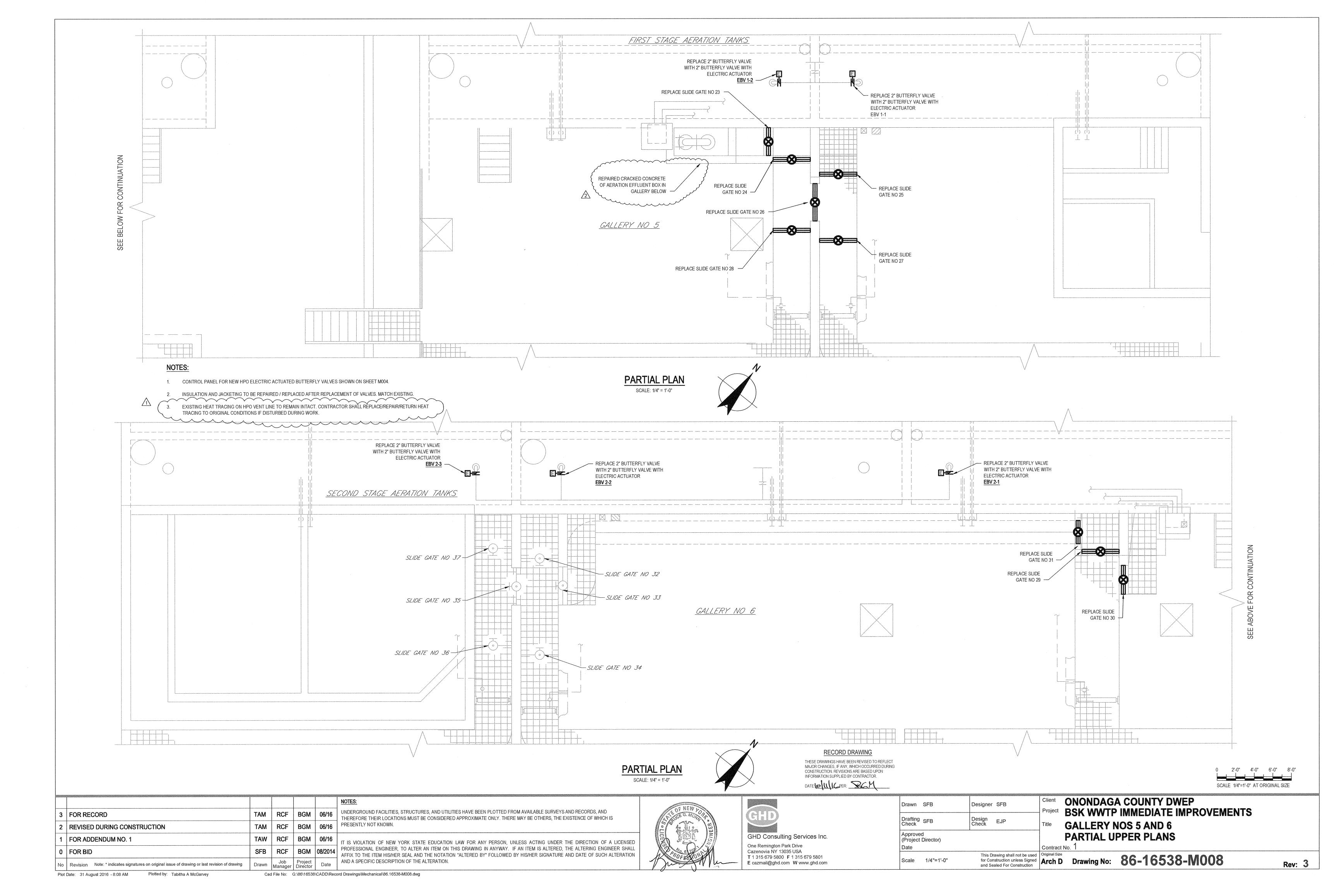
GHD Consulting Services Inc.	
One Remington Park Drive Cazenovia NY 13035 USA F 1 315 679 5800 F 1 315 679 5801 E cazmail@ghd.com Wwww.ghd.com	

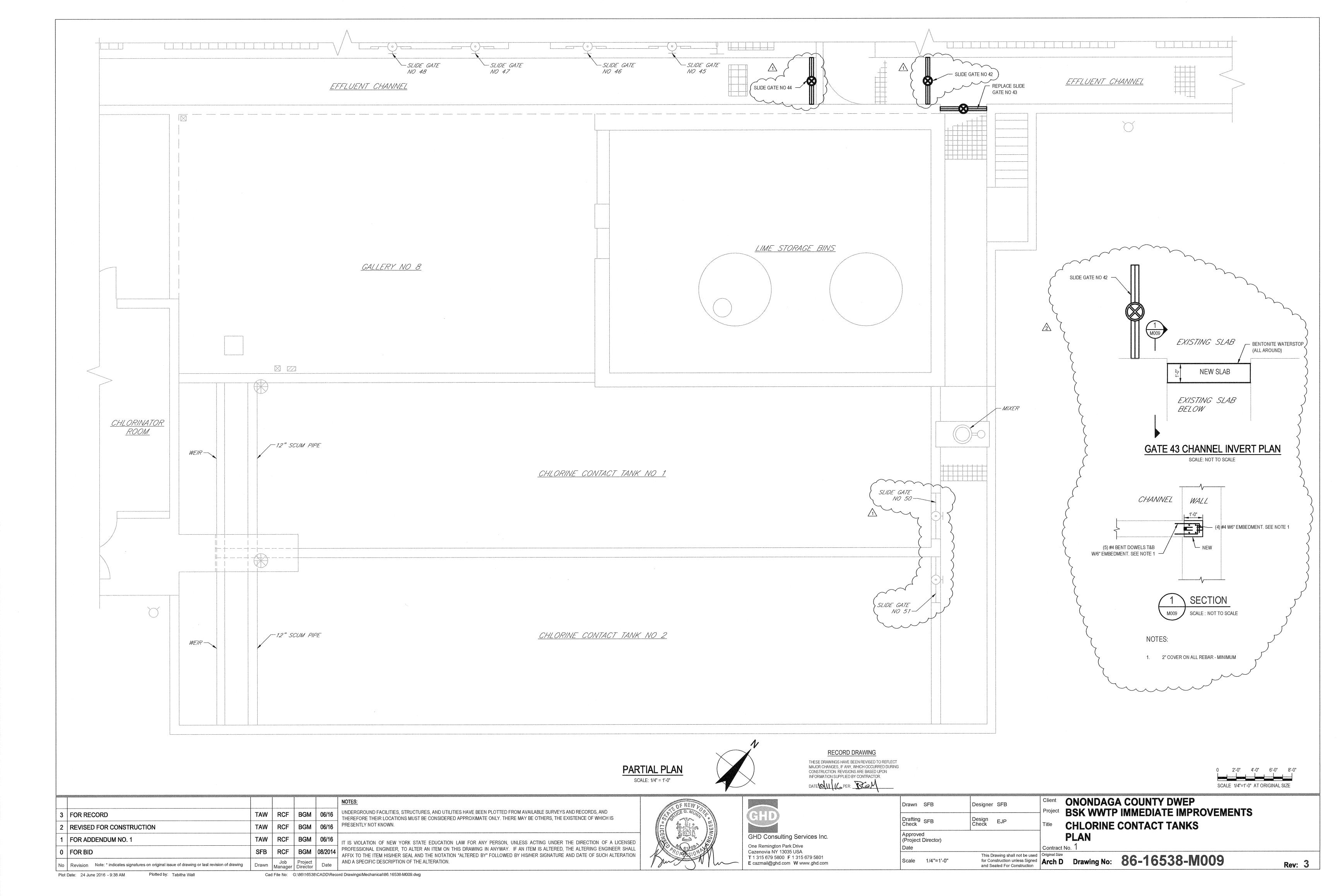
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Drafting SFB Check	Design Check	EJP	Ti
Approved (Project Director)			
Date			С

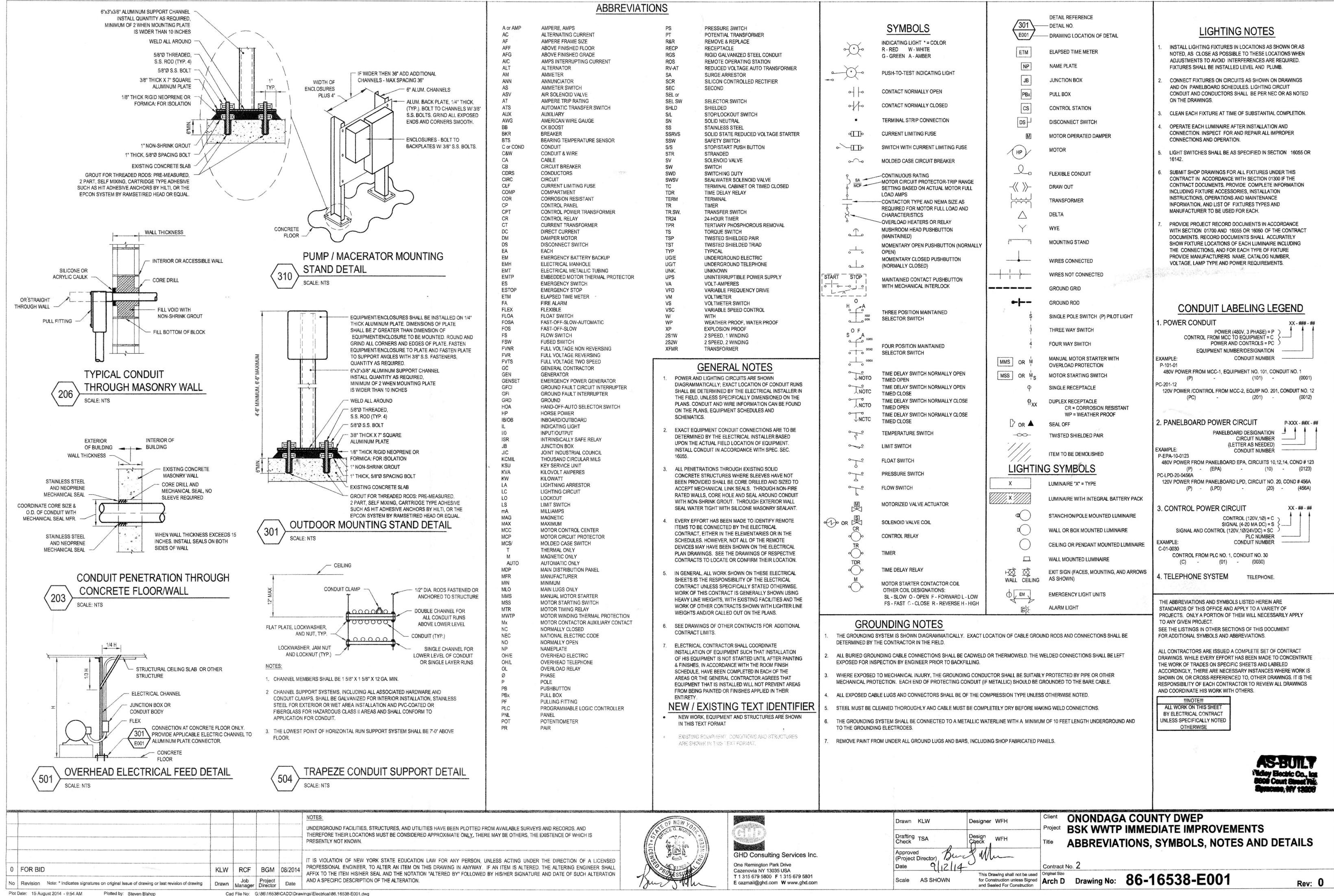
Scale 3/8"=1'-0"

Client	ONONDAGA COUNTY DWEP
Project	BSK WWTP IMMEDIATE IMPROVEMENTS
Title	AERATION TANKS DISTRIBUTION CHANNELS
	PLAN
Contract	No. 1

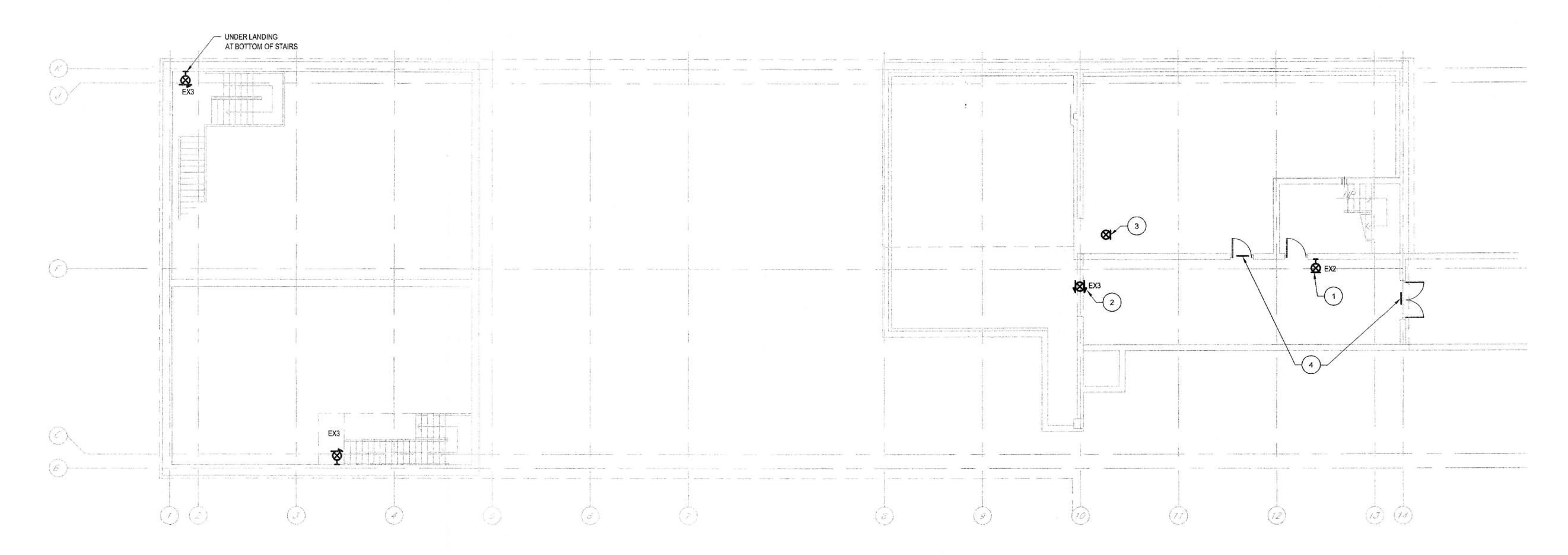
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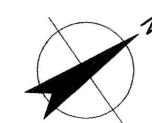


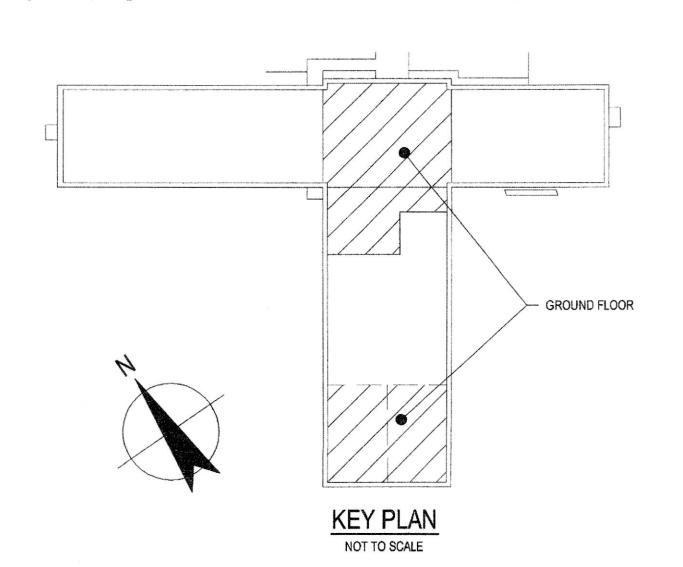


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Plotted by: Steven Bishop

Plot Date: 15 August 2014 - 9:56 AM

- SELF-LUMINOUS TRITIUM EXIT SIGN.
- 2. REQUIRES NO AC POWER
- TOP BACK OR END MOUNT.
- 4. COMPLETELY SEALED TRITIUM-FILLED GAS TUBES.
- 5. UL LISTED WET LOCATION / EXPLOSION PROOF.
- 6. SIX INCH LETTERS
- 7. MOUNTING, FACES AND ARROWS AS SHOWN ON DRAWING
- 8. RED LED FACE, WHITE HOUSING COLOR
- 9. 20-YEAR LUMINOUS LIFE
- MANUFACTURERS: LITHONIA: D SERIES EVENLITE

MCPHILBEN, DAY-BRITE OR APPROVED EQUAL

LUMINAIRE 'EX3' SPECIFICATION
NOT TO SCALE

- 1. EXIT SIGN.
- 2. TOP BACK OR END MOUNT.
- 3. IMPACT-RESISTANT, DIE-CAST ALUMINUM HOUSING.
- 4. SIX INCH LETTERS
- 5. MOUNTING, FACES AND ARROWS AS SHOWN ON DRAWING
- 6. UNIVERSAL CHEVRON ARROWS
- 7. RED LED FACE
- 8. DUAL VOLTAGE 120/277VOLT.
- SELF CONTAINED EMERGENCY SEALED
 NICKEL-CADMIUM BATTERY BACKUP
 POWER TO PROVIDE A MINIMUM OF
 90 MINUTES OF ILLUMINATION.
 SOLID STATE BATTERY CHARGING CIRCUIT
 WITH SELF DIAGNOSTIC AND TEST SWITCH.

MANUFACTURERS:
LITHONIA: LQC SERIES
McPHILBEN DAY-BRITE
SURE-LITES
OR APPROVED EQUAL

LUMINAIRE 'EX2' SPECIFICATION

1. EXIT SIGN. ~

- 2. TOP BACK OR END MOUNT.
- IMPACT-RESISTANT, THERMOPLASTIC HOUSING.
- 4. SIX INCH LETTERS
- 5. MOUNTING, FACES AND ARROWS AS SHOWN ON DRAWING
- 6. UNIVERSAL CHEVRON ARROWS
- 7. RED LED FACE
- 8. DUAL VOLTAGE 120/277VOLT.
- 9. SELF CONTAINED EMERGENCY SEALED
 NICKEL-CADMIUM BATTERY BACKUP
 POWER TO PROVIDE A MINIMUM OF
 90 MINUTES OF ILLUMINATION.
 SOLID STATE BATTERY CHARGING CIRCUIT
 WITH SELF DIAGNOSTIC AND TEST SWITCH.

MANUFACTURERS:
LITHONIA: LQM SERIES
McPHILBEN DAY-BRITE: CXX SERIES
OR APPROVED EQUAL

LUMINAIRE 'EX1' SPECIFICATION
NOT TO SCALE

GENERAL NOTE

A. BACKGROUNDS MAY NOT REFLECT EXACT EXISTING CONDITION CONTRACTOR SHALL FIELD VERIFY.

KEYED NOTES:

- 1 REPLACE EXISTING EXIT SIGN WITH TYPE NOTED. RELOCATE POWER CONNECTION SO NEW EXIT SIGN IS ~12" CLOSER TO THE DOOR THAN THE EXISTING (TO THE OTHER SIDE OF PIPE SUPPORT). EXTEND CONDUIT AND WIRE (3/4"C W/ 2#12, #12
- 2 PENDANT MOUNT EXIT SIGN 8' ABOVE FLOOR BELOW DRAIN PIPE.
- 3 CEILING-MOUNT EXIT SIGN AWAY FROM DOOR TO AVOID DOOR
- PROVIDE NON-LUMINOUS SIGN READING "NOT AN EXIT" ABOVE DOOR. PROVIDE DOOR OR PENDANT MOUNTING AS APPLICABLE.

AS-BUILT
Videy Electric Co., Int.
8600 Court Street No.
Syracuse, NY 19200

0 4'-0" 8'-0" 12'-0" 16'-0"

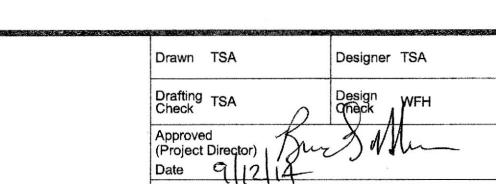
SCALE 1/8"=1'-0" AT ORIGINAL SIZE

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						NOTES:
						UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS PRESENTLY NOT KNOWN.
						IT IS VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED
0	FOR BID	TSA	RCF	BGM	08/2014	PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DRAWING IN ANYWAY. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF SUCH ALTERATION
No	Revision Note: * indicates signatures on original issue of drawing or last revision of drawing	Drawn	Job Manager	Project Director	Date	AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

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Scale AS NOTED

Client ONONDAGA COUNTY DWEP
Project BSK WWTP IMMEDIATE IMPROVEMENTS

Title CONTROL BUILDING
GROUND FLOOR LIGHTING PLAN

This Drawing shall not be used for Construction unless Signed and Sealed For Construction

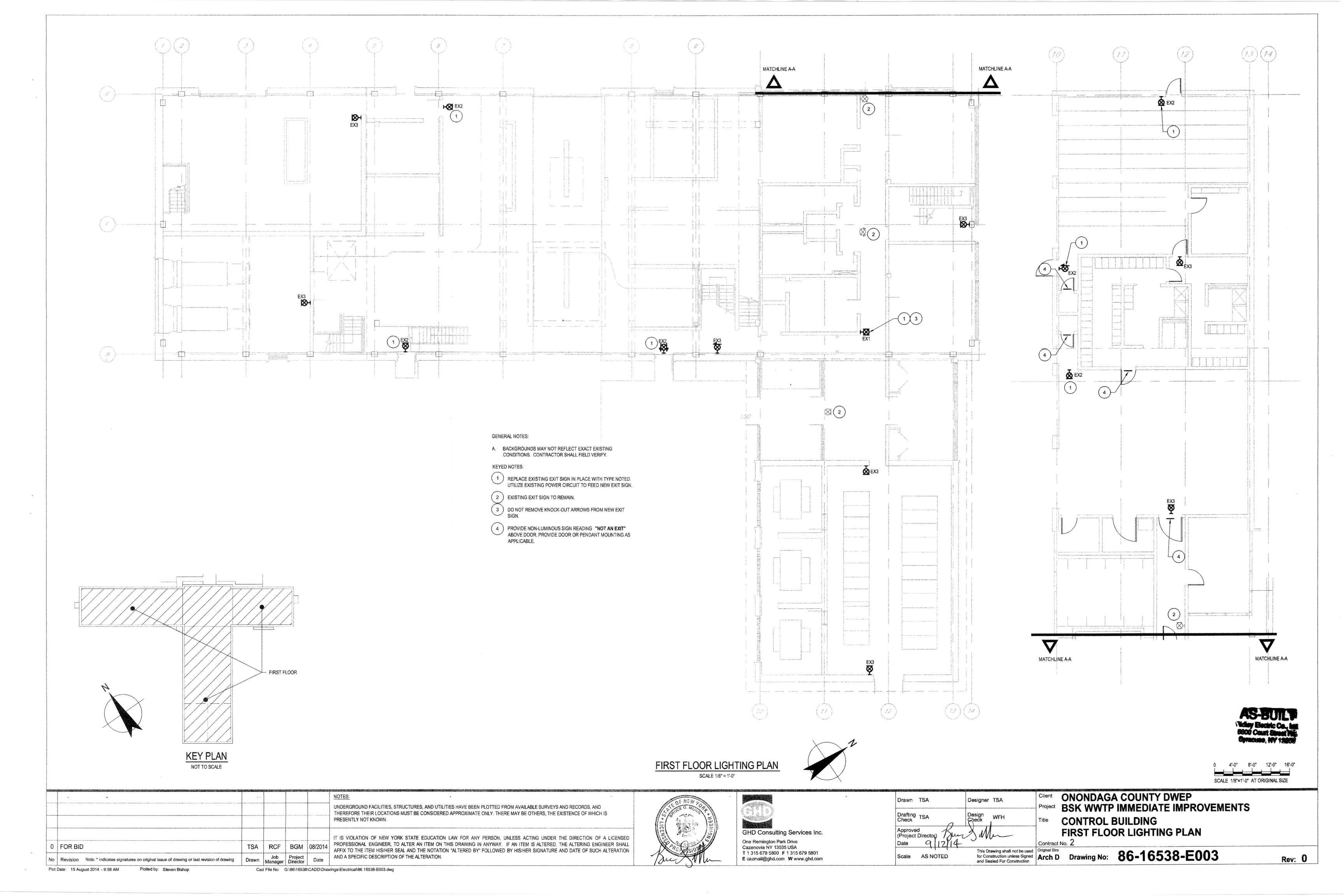
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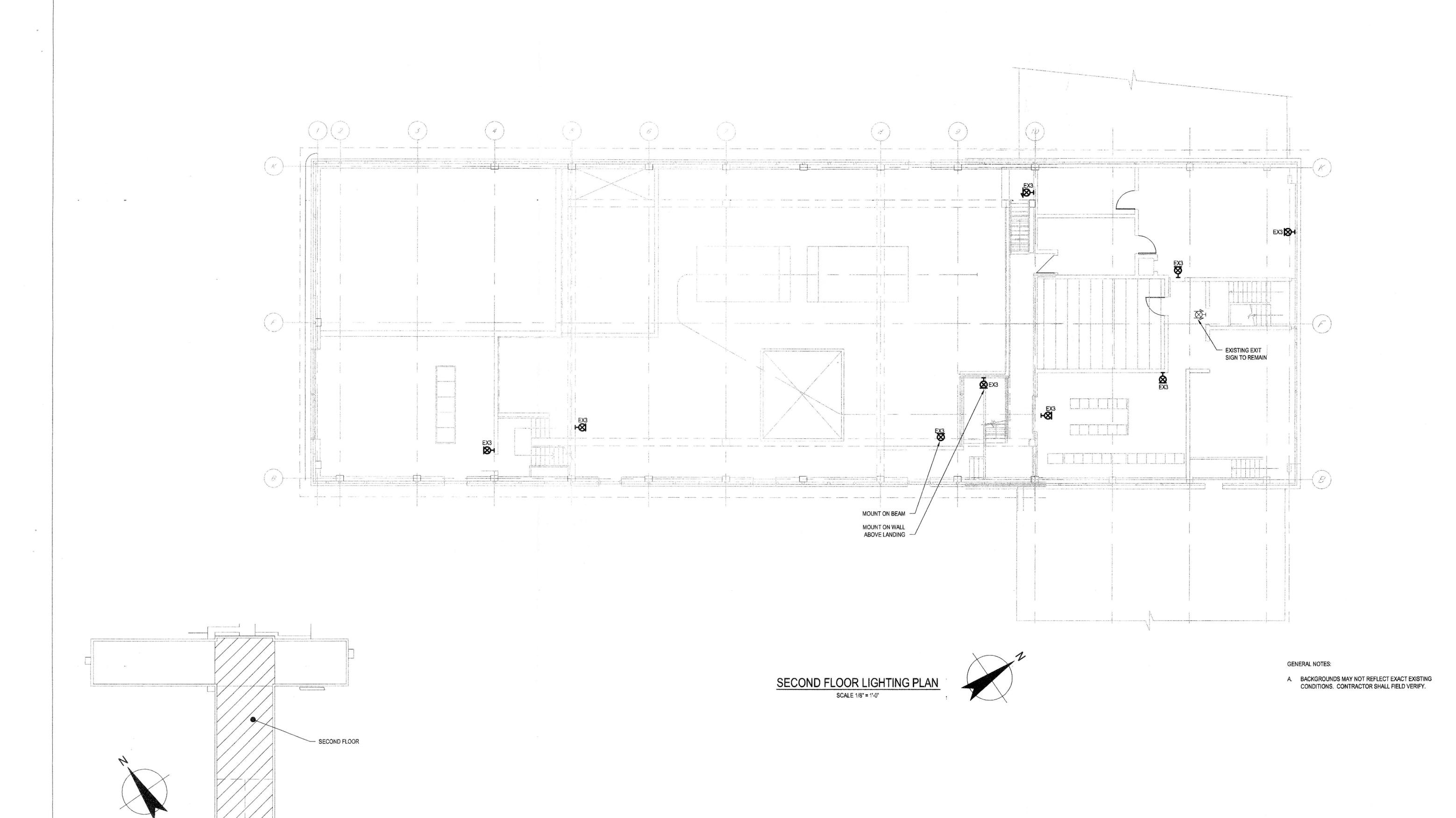
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Drawing No: 86-16538-E002

Rev: 0







SCALE 1/8"=1'-0" AT ORIGINAL SIZE

Client ONONDAGA COUNTY DWEP
Project BSK WWTP IMMEDIATE IMPROVEMENTS Drawn TSA UNDERGROUND FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS, AND THEREFORE THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS Approved (Project Director) / 12/14 GHD Consulting Services Inc. IT IS VIOLATION OF NEW YORK STATE EDUCATION LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED One Remington Park Drive Cazenovia NY 13035 USA PROFESSIONAL ENGINEER, TO ALTER AN ITEM ON THIS DRAWING IN ANYWAY. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL 0 FOR BID AFFIX TO THE ITEM HIS/HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS/HER SIGNATURE AND DATE OF SUCH ALTERATION T 1 315 679 5800 F 1 315 679 5801 E cazmail@ghd.com **W** www.ghd.com Scale AS NOTED

Plot Date: 15 August 2014 - 10:00 AM Plotted by: Steven Bishop

No Revision Note: * indicates signatures on original Issue of drawing or last revision of drawing

KEY PLAN NOT TO SCALE

Cad File No: G:\86\16538\CADD\Drawings\Electrical\86.16538-E004.dwg

CONTROL BUILDING SECOND FLOOR LIGHTING PLAN

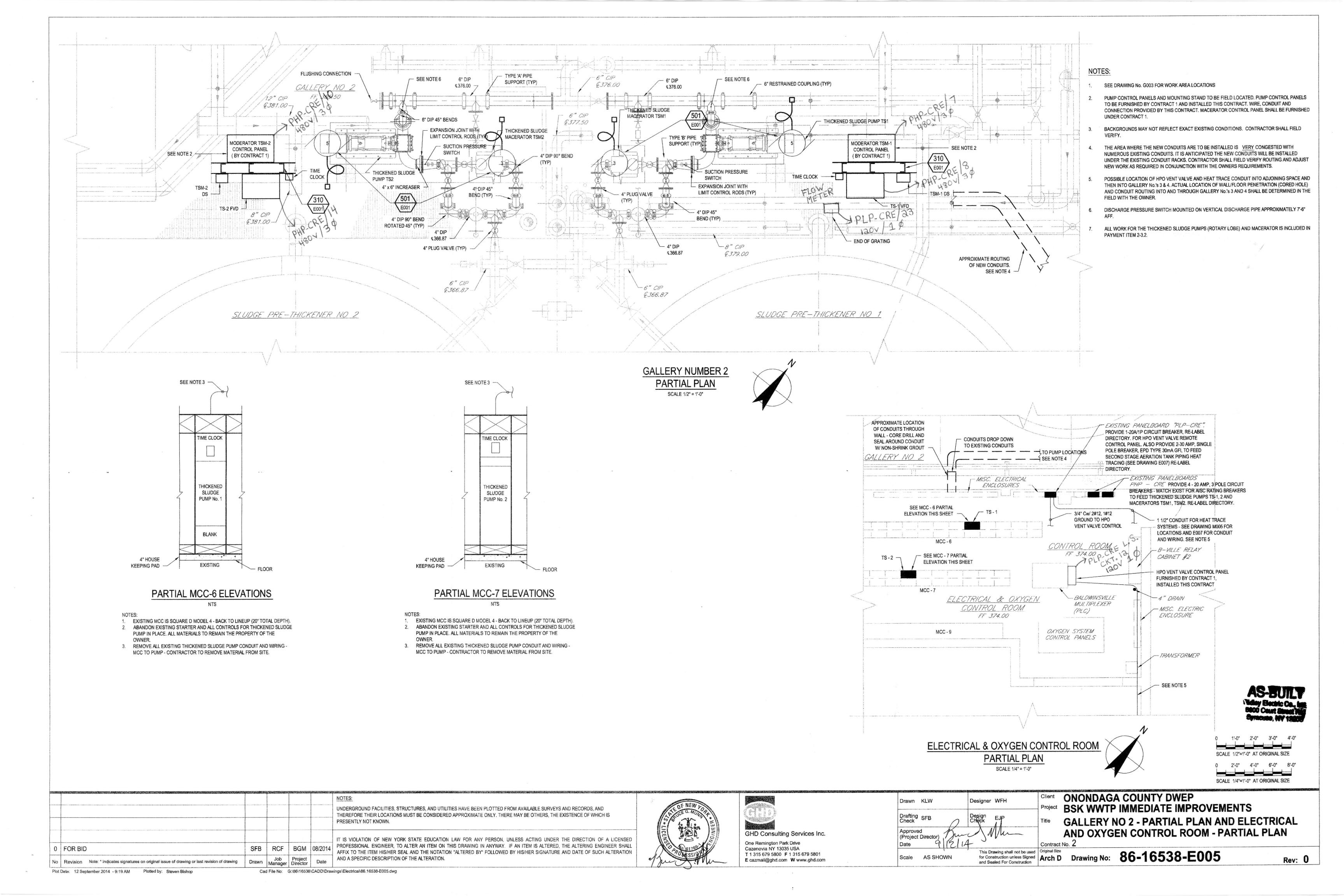
This Drawing shall not be used for Construction unless Signed and Sealed For Construction

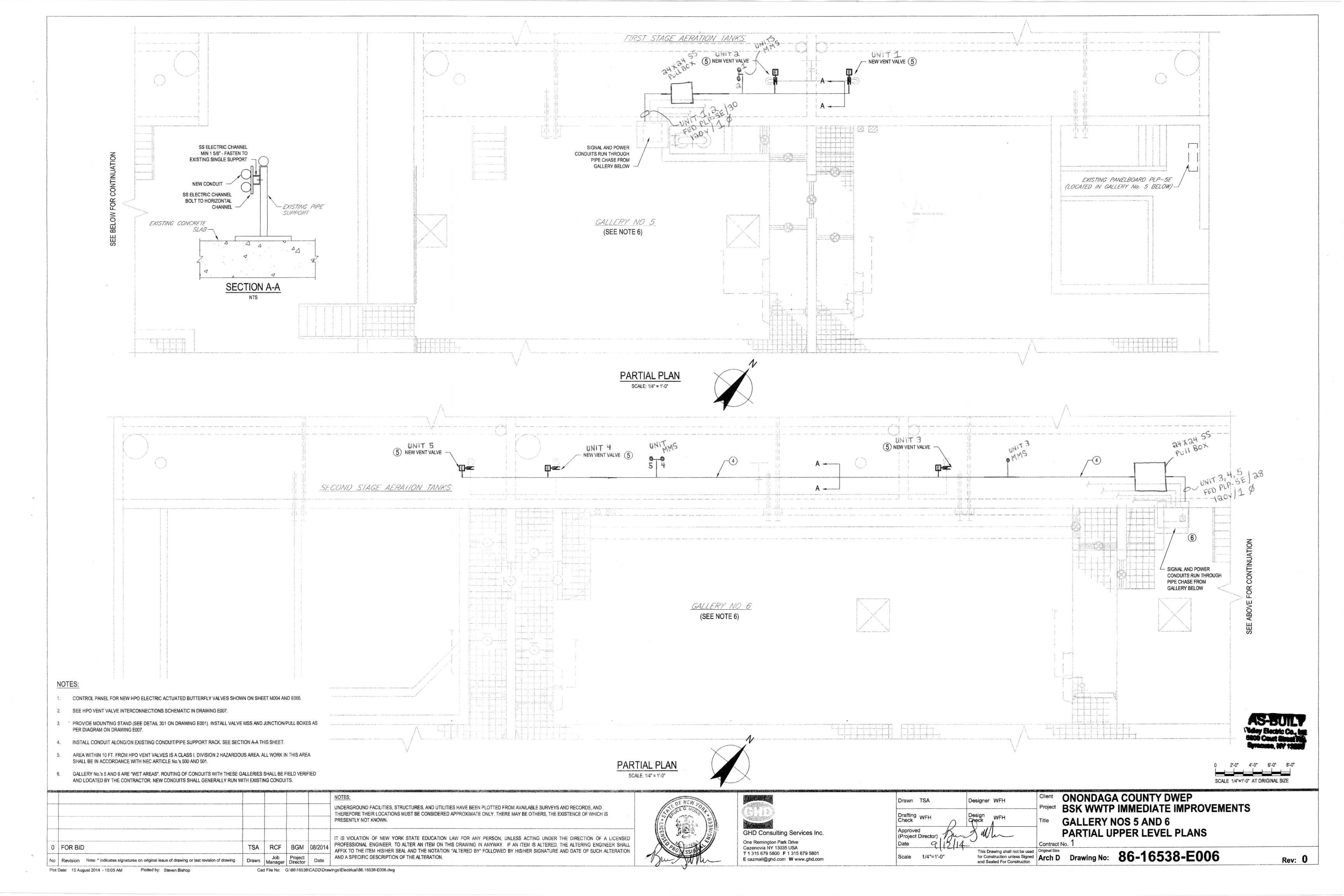
Original Stze

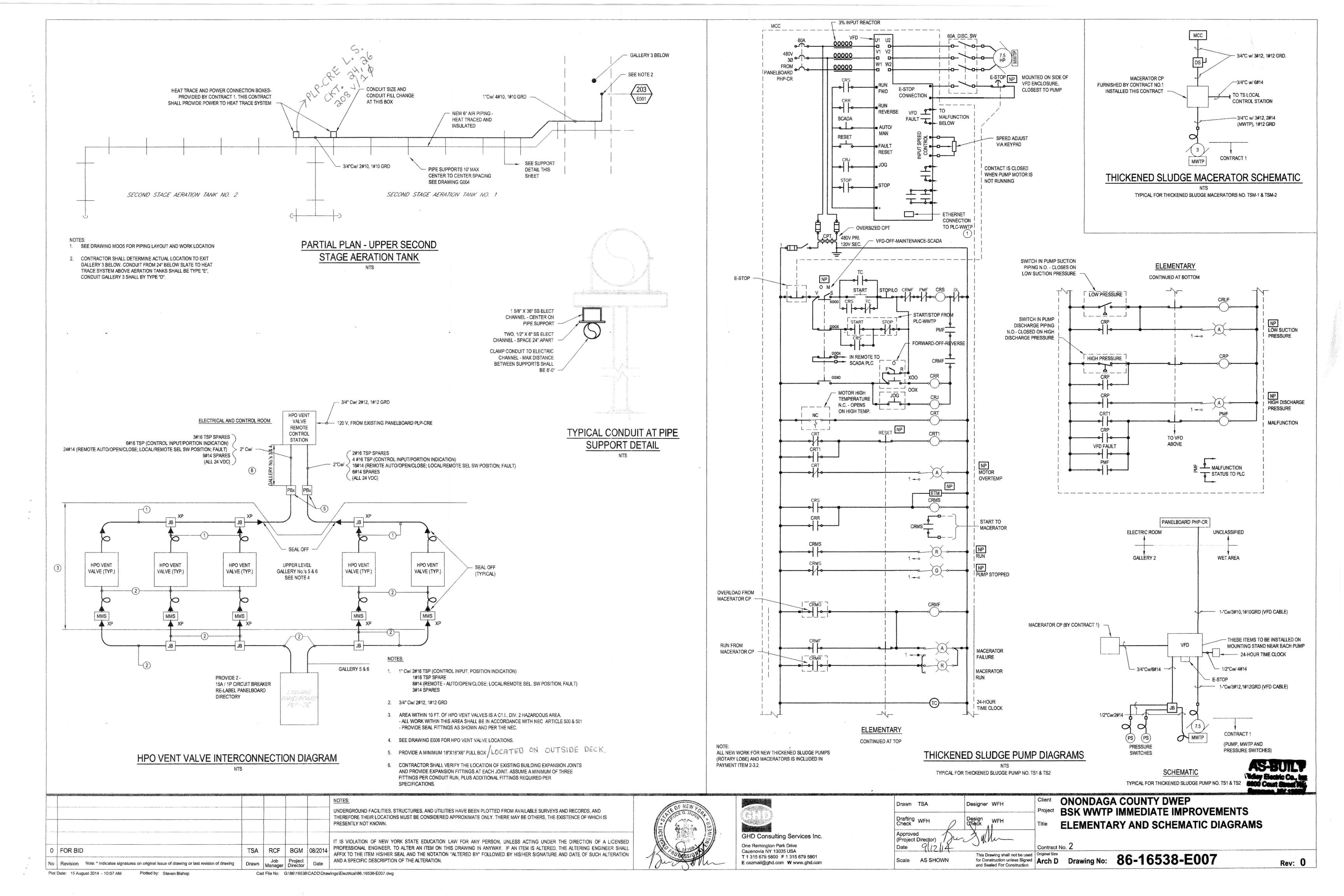
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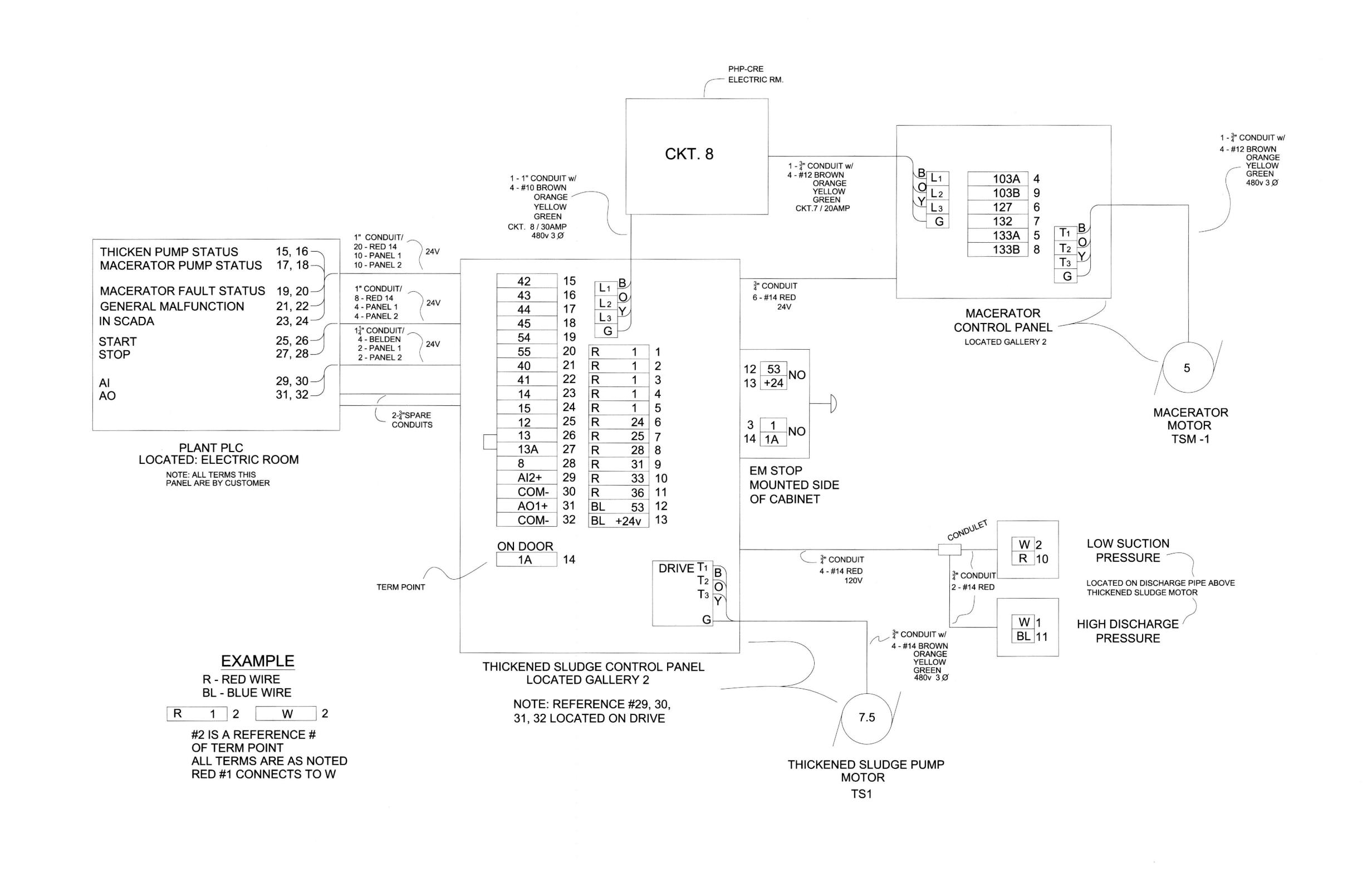
Drawing No: 86-16538-E004

Rev: 0







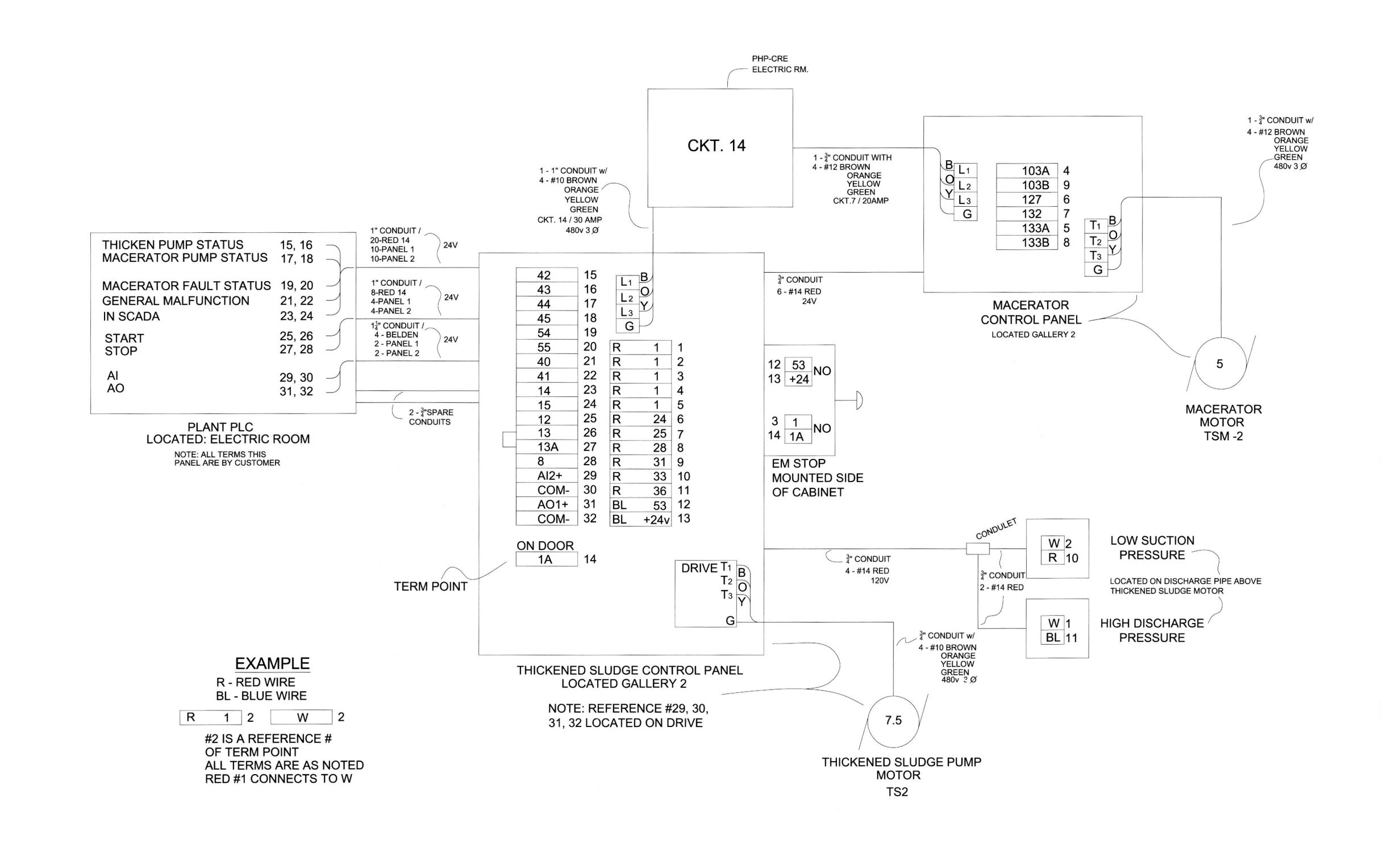


AS-BUILT Moley Electric Co., ten 8800 Court Street No. Syracuse, NY 13208

XREF
DATE_COM_OP DIRECTORY/FILE SCALE: NONE ONONDAGA COUNTY • DEPARTMENT OF WATER ENVIRONMENT PROTECTION

Baldwinsville — Seneca Knolls WWTP Improvements File Number RIDLEY ELECTRIC CO. INC. AS-BUILT In charge of _ _ _ _ _ _ _ _ _ _ 00663 5800 COURT ST. ROAD SYRACUSE, NY 13206 Designed by _ _ WFH _ _ _ _ THICKENED SLUDGE CONTROL PANEL 1 -008MACERATOR CONTROL PANEL 1 DATE THIS DRAWING WAS PREPARED AT THE SCALE INDICATED IN THE TITLE BLOCK. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE TITLE BLOCK TO DETERMINE THE ACTUAL SCALE OF THIS DRAWING. DATE: BLOCK DIAGRAMS Checked by _ _ GWS _ _ _ 7/5/16 NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

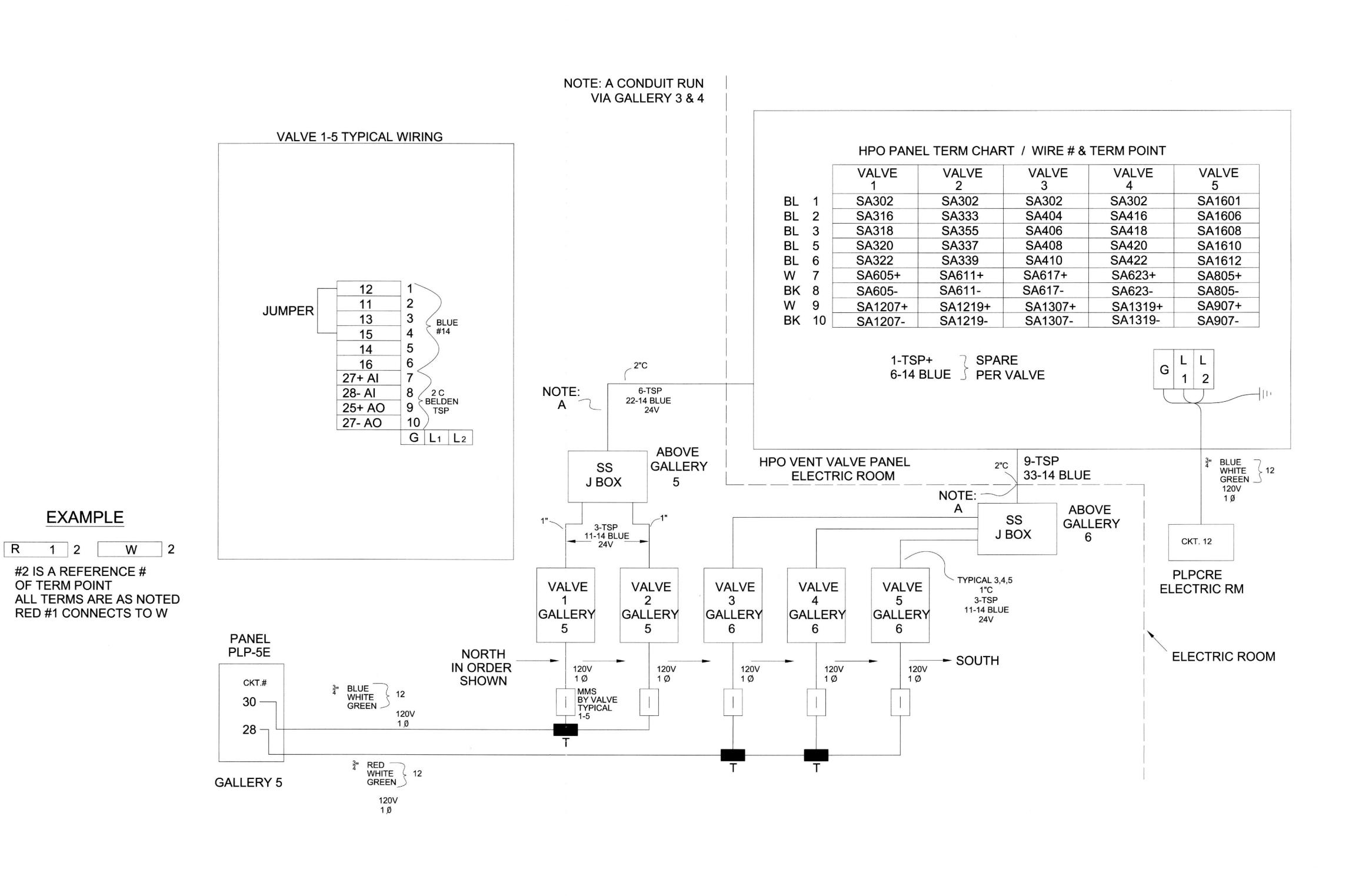
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AS-BUILT Notey Beatle Ca., In 8800 Court Street Ru Syracuse, NY 1980

SCALE: NONE	In charge ofWFH	RIDLEY ELECTRIC CO. INC. 5800 COURT ST. ROAD SYRACUSE, NY 13206	ONONDAGA COUNTY • DEPARTMENT OF WATER ENVIRONMENT PROTECTION Baldwinsville — Seneca Knolls WWTP Improvements	AS-BUILT	File Number 00663
	Designed by WFH		THICKENED SLUDGE CONTROL PANEL 2		Date DATF
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AS-BUILT Videy Electric Co., Inc. 6000 Court Street Re Syracuse, NY 13206

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SCALE: NONE		In charge ofWFH	RIDLEY ELECTRIC CO. INC. 5800 COURT ST. ROAD SYRACUSE, NY 13206	ONONDAGA COUNTY • DEPARTMENT OF WATER ENVIRONMENT PROTECTION Baldwinsville — Seneca Knolls WWTP Improvements	AS-BUILT	File Number 00663	
THIS DRAWING WAS PREPARED AT THE SCALE INDICATED IN THE		Designed by KEB		HPO VENT VALVES	DATE:	Date DATE	E-010
TITLE BLOCK. INACCURACIES IN THE STATED SCALE MAY BE INTRODUCED WHEN DRAWINGS ARE REPRODUCED BY ANY MEANS. USE THE GRAPHIC SCALE BAR IN THE TITLE BLOCK TO DETERMINE THE ACTUAL SCALE OF THIS DRAWING.	No. Date Revisions Init NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW	Checked by GWS		BLOCK DIAGRAMS ELECTRIC	7/5/16		