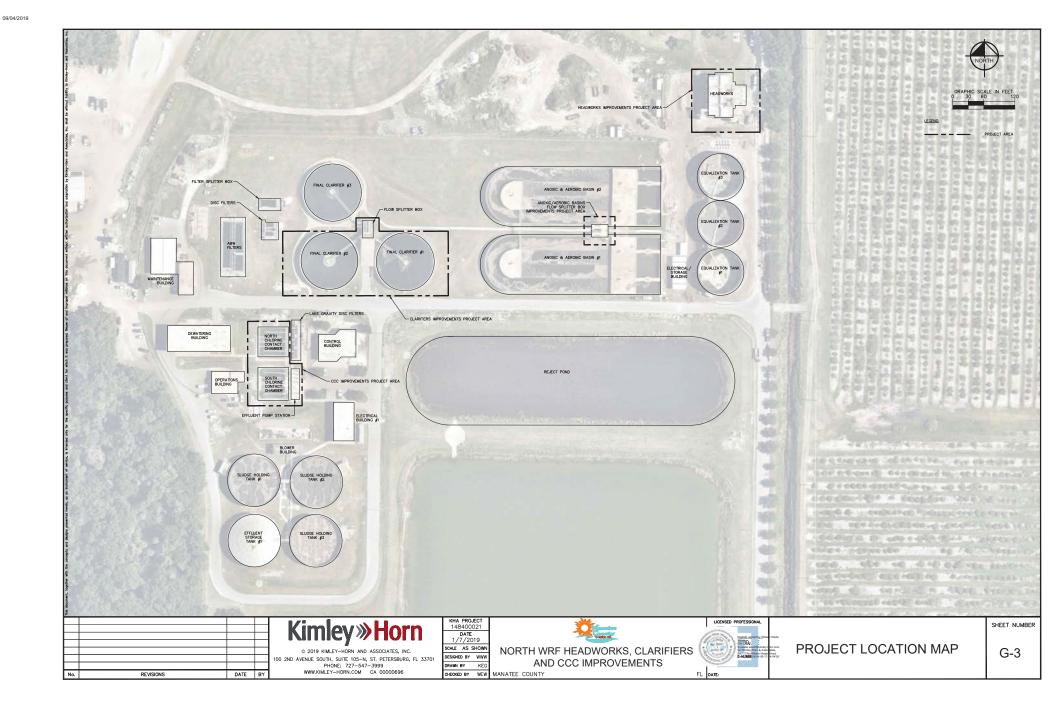
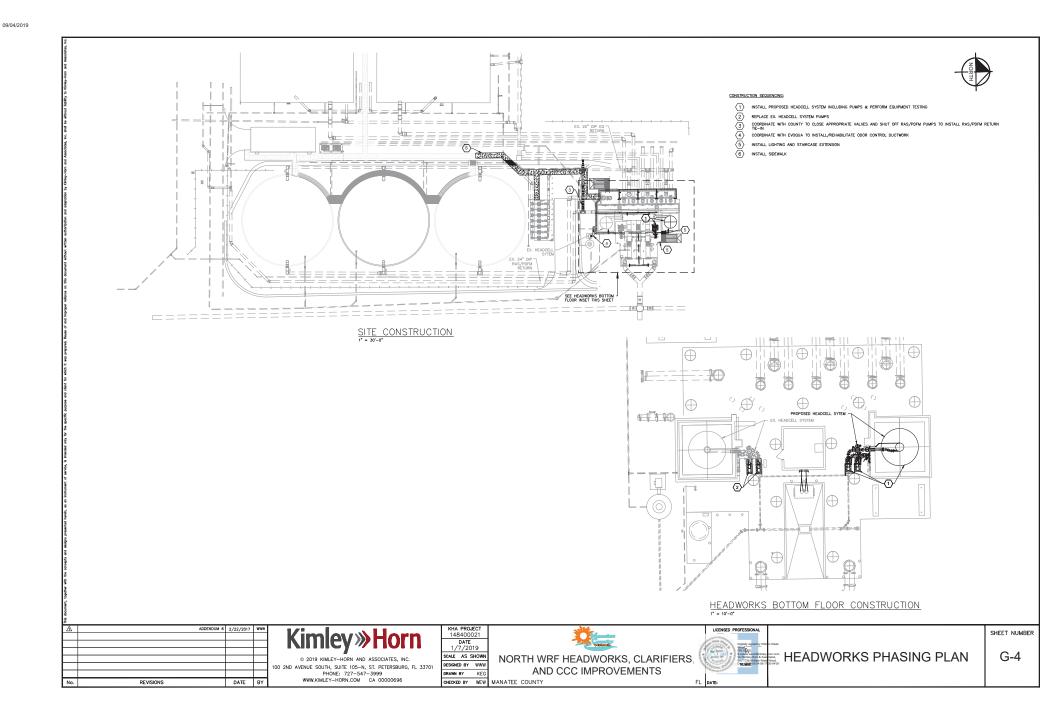
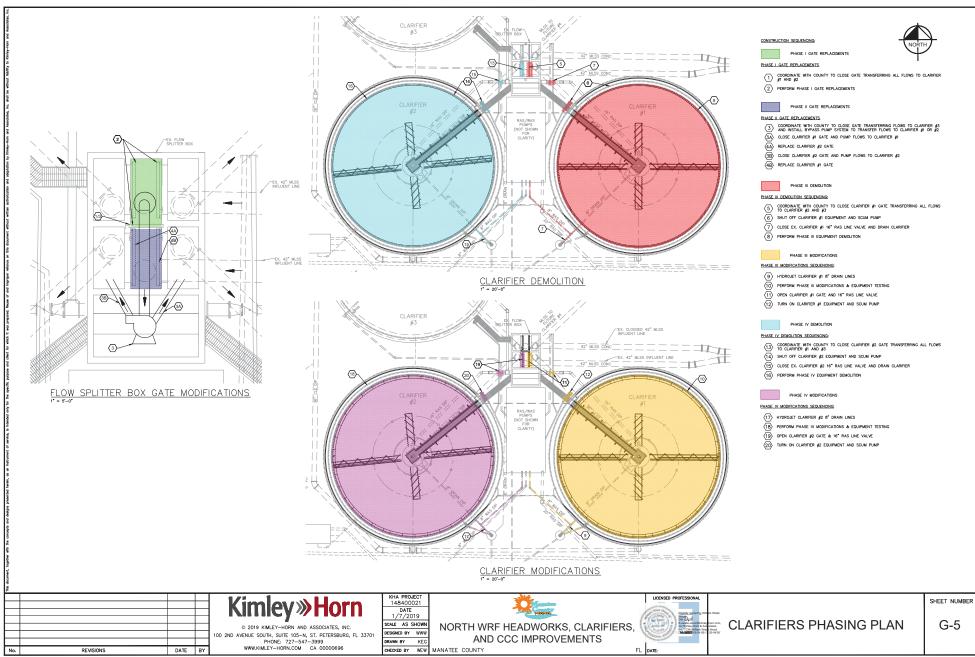


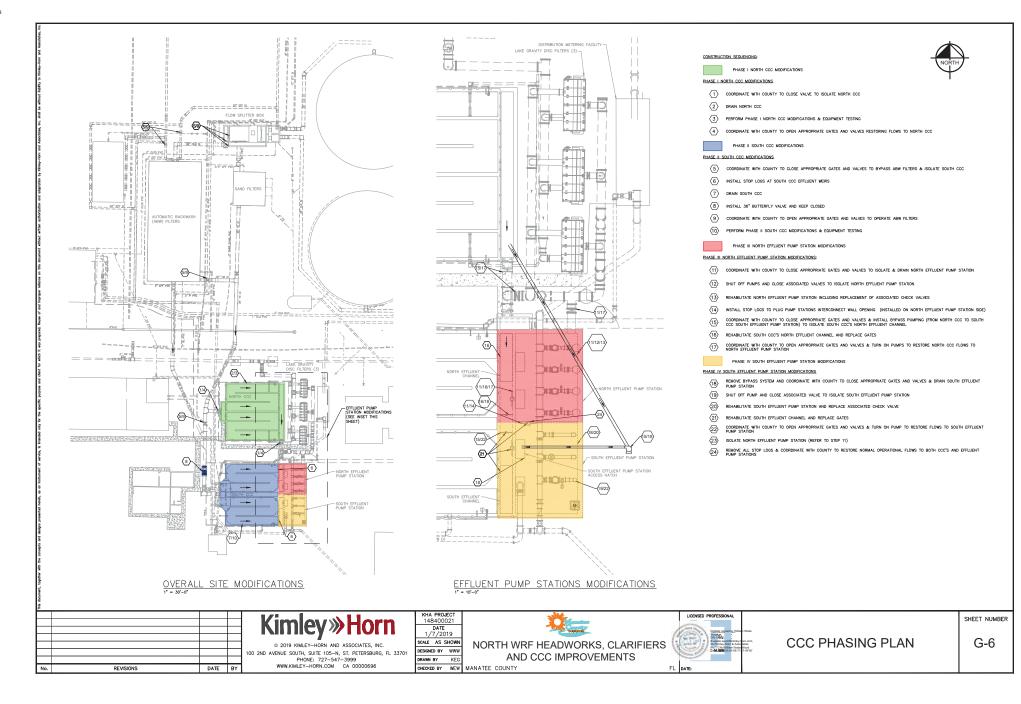
SECTION	SHEET NUMBER	SHEET TITLE		E-1	ELECTRICAL LEGEND AND				
	G-1	COVER SHEET		E-2	NWRF ELECTRICAL S	SITE PLAN			
	G-2	DRAWING INDEX AND GENERAL NOTES		E-3	LIGHTING FIXTURE SCHEDULE AN			GENERAL NOTES	
	G-3	PROJECT LOCATION MAP		E-4	CONDUIT AND CABLE				
GENERAL	G-4	HEADWORKS PHASING PLAN		HW-E-1	HEADWORKS AREA ELECTR			 THESE PLANS ARE SOLELY TO ASSIST THE CONTRACTOR IN AS NATURE AND EXTENT OF THE EXISTING CONDITIONS WHICH MAN ENCOUNTERED DURING THE COURSE OF WORK. CONTRACTORS / PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION NECK 	SESSING THE SEDIMENT CONTROL INCLUDES SILT DAMS, TRAPS, EROSION PROTECTION, AND BE ANY OTHER APPORTENANCES NEEDED BUT NOT NECESSARILY SHOWN ON HELDIRECTED, THESE DRAWINGS.
GENERAL	G-5	CLARIFIERS PHASING PLAN		HW-E-2	HEADWORKS UPPER LEVEL			ENCOUNTERED DURING THE COURSE OF WORK. CONTRACTORS /	RE DIRECTED, THESE DRAWINGS.
	G-6	CCC PHASING PLAN		HW-E-3	HEADWORKS LOWER LEVEL	ELECTRICAL PLAN		DETERMINE THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTER	ED. 25. CONTRACTOR SHALL PROVIDE PROTECTIVE MATTING, FUEL CONTAINMENT AND
	G-7	PROCESS FLOW DIAGRAM		HW-E-4	HEADWORKS LIGHTIN	NG PLANS	FPLANS TAILS AND WRING DIAGRAM	2. LOCATION, ELEVATIONS AND DIMENSIONS OF EXISTING LITERTIES	ESSART 10 ED, 25. CONTRACTOR SHALL PROVIDE PROTECTIVE MATTING, FUEL CONTAINMENT AND ALL OTHER MATERIALS, EQUIPMENT AND LABOR TO PROTECT THE STAGING STRUCTURES, AREA DURING CONSTRUCTION.
	G-8	HYDRAULIC PROFILE	ELECTRICAL	HW-E-5	TYPICAL GRIT PUMP CONTROL PANEL D			2. EDGATION, ELEVATIONS AND DIMENSIONS OF EXISTING OTILITES, AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AT THE THE OF BEENATION OF THESE NUMBER OF AND ADDR	
	HW-1	OVERALL HEADWORKS EXISTING SITE PLAN				UILDING ELECTRICAL MODIFICATIONS		 LOCATION, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE THE OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL VERITY, PRORT TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL 	PURPORT TO 22. CONTRACTOR SHALL PRICE TO BECONNING CONSTRUCTON, SUBWIT A YOR TO "FUELING SHIL PREVENTION PLANT THAT SHALL CLARK INDOCATE HOW OF ALL FUEL SHILLS WILL BE PREVENTED WHEN FUELING BOTH WITHIN AND OUTSIDE HER OR NOT OF THE STAGING AREA.
	HW-C-1	HEADWORKS SITE PIPING PLAN		HW-E-7	CL-E-1 CLARIFIER NO. 1 AND NO. 2 ELECTRIC		IO. 2 ELECTRICAL PLAN NTROL PANEL DETAILS	CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DMENDORS OF ALL DISTINGTURIES, STRUCTURES, AND OTHER TRADIES (HETHER OR NOT 3. THE CONTINCTOR SHALL REVEW AND VIEW ALL DMENDORS ON THE FLANS AND REVEW ALL FRANK DOCED CONTINUE THAT AND AFFECT CONSTRUCTION. SHOLD DISCREPANCES COURS, THE CONTINUETOR SHOLD DISCREPANCES CLARENCE ALMONGTONE SHALL OWNER, BUILD INSCREPANCES CLARENCE ALMONGTONE SHALL OWNER, BUILD INSCREPANCES CLARENCE ALMONGTONE SHALL OWNER, BUILD INSCREPANCES CLARENCE ALMONGTONE BUILD DISCREPANCES CLARENCES TO AND A BUILD DISCREPANCES CLARENCE ALMONGTONE DISCREPANCES CLARENCES AND AND A BUILD DISCREPANCES CLARENCES AND A BUILD DISCREPANCES CLARENCES AND A DISCREPANCES CLARENCES AND A BUILD DISCREPANCES AND A DISCREPANCES CLARENCES AND A BUILD DISCREPANCES AND A DISCREPANCES CLARENCES AND A BUILD DISCREPANCES AND A DISCREPANCES CLARENCES AND A DISCREPANCES DISCREPANCES AND A DISCREPANCES AND A DISCREPANCES AND A DISCREPANCES DISCREPANCES AND A DISCREPANCES AND A D	UP ALL FUEL SPILLS WILL BE PREVENTED WHEN FUELING BOTH WITHIN AND OUTSIDE HER OR NOT OF THE STAGING AREA.
	HW-C-2	HEADWORKS SITE PIPING SECTION							27 THE CONTRACTOR SHALL COOPENATE THE STACING ADEA WITH THE OWNER
	HW-C-3	HEADWORKS SIDEWALK PLAN		CL-E-2 TYPICAL CLARIFIER CONTROL PAN					27. THE CONTRACTOR SHALL COORDINATE THE STANDIG AREA WITH THE OWNER THERE MAY BE MATTHE FREADERSTANDIG CONSTRUCTION AT THE FACULTY AND IT WILL BE THE CONTRACTOR'S RESPONDENTLY TO PROVIDE A SCORE REAL FOR THE STORE AND STANDIG C EQUIPMENT, NUCLIONIC BUT NOT UNITED TO FENCING, GATES, AND ANY ADDITIONAL ITEMS THAT MAY BE INCESSARY TO SECURE THE AREA.
	HW-M-1	HEADWORKS IMPROVEMENTS TOP PLAN		CL-E-3		CONTROL PANEL WIRING DIAGRAM			AND IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A SECURE FOR SHALL AREA FOR THE STORAGE AND STAGING OF EQUIPMENT, INCLUDING BUT NOT
	HW-M-2	HEADWORKS EQUIPMENT MECHANICAL SECTIONS		CC-E-1	CCC ELECTRICAL S		_	NOTIFY THE ENGINEER TO OBTAIN THE ENGINEERS CLARIFICATION BEFORE	N BEFORE LIMITED TO FENCING, GATES, AND ANY ADDITIONAL ITEMS THAT MAY BE NECESSARY TO SECURE THE APEA
HEADWORKS	HW-M-3	HEADWORKS IMPROVEMENTS BOTTOM LAYOUT PLAN		CC-E-2	ELECTRICAL BUILDING NO.				
	HW-M-4	HEADWORKS GRIT PUMP MECHANICAL PLAN		CC-E-3	MOTOR WRING DI			 THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, DRAINS, SEWERS, UTLITIES, AND OTHER FACILITIES IN THE CON AREA, THE CONTRACTOR SHALL REPAIR ANY DAMAGES DUE TO AREA, THE CONTRACTOR SHALL REPAIR ANY DAMAGES DUE TO 	STRUCTION RELIABILITY RULES WHILE PERFORMING WORK AT THE PLANT. TEMPORARY
	HW-M-5	HEADWORKS GRIT PUMP MECHANICAL SECTION		HW-I-1	EXIST. PLC CONTROL CABINET DETAILS AN		ING	AREA. THE CONTRACTOR SHALL REPAIR ANY DAMAGES DUE TO CONSTRUCTION.	STORM 28. CONTRACTOR SHALL MAINTAIN PROCESS FLOWS IN ACCORDANCE WITH EPA RELIABILITY RULES WHILE PERFORMING WORK AT THE PLAINT. TEMPORARY HIS MODIFICATIONS TO PROCESS SHALL BE SUBMITTED TO AND APPROVED BY THE ENGNEER.
	HW-M-6 HW-M-7	HEADWORKS GRIT PUMP MECHANICAL SECTION	INSTRUMENTATION	HW-I-2 HW-I-3	NEW HEADWORKS I		_	5 WHERE IT IS NECESSARY TO DEFLECT PIPE FITHER HORIZONTAL	
		HEADWORKS RECLAIMED WATER PIPING PLAN	INSTRUMENTATION	CL-I-1	PLC CONTROL PANEL SP-		_	 WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTAL VERTICALLY, PIPE JOINT DEFLECTION SHALL NOT EXCEED 75% 	
	HW-M-8	HEADWORKS TRASH CHUTE MODIFICATION						MANUFACTURERS' MAXIMUM RECOMMENDED DEFLECTION.	NE OF THE UTILITY NOTES
	HW-M-9	HEADWORKS ODOR CONTROL DUCTWORK DETAILS		CC-I-1	PLC CONTROL PANEL SP-	-+ I U LISTINGS		 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENAN EXISTING DRAINAGE SYSTEM WITHIN THE LIMITS OF THE PROJECT. 	
	HW-M-10	HEADWORKS ODOR CONTROL DUCTWORK DETAILS						THE DURATION OF THE PROJECT.	 THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE FOLLOWIN JURISDICTIONAL BODIES AND UTILITY COMPANIES:
AX/AEROBIC BASINS	AX-D-1	ANOXIC & AEROBIC BASIN FLOW SPLITTER BOX GATE MODIFICATION						 THE CONTRACTOR SHALL PROVIDE CERTIFIED RECORD DRAWING OUTLINED IN THE SPECIFICATIONS SHALL WITH EACH PAY APPLICATION SUBMITTED AND ULL BE CHECKED OF THE FAY APPLICATION REVEN PROCESS. PAYMENT WILL NO TO CONTRACTOR WITHOUT PRAVIDER DRAWING SHALL ALSO BE BROOD MONTHY. PROGRESS METHICA. 	; AS
	CL-1	OVERALL CLARIFIERS EXISTING SITE PLAN			PIPE AND FITT	INC SYMPO	c	UUTLINED IN THE SPECIFICATIONS. RED-LINE DRAWINGS SHALL WITH EACH PAY APPLICATION SUBMITTED AND WILL BE CHECKE	BE CURRENT NORTH WATER RECLAMATION FACILITY
	CL-D-1	CLARIFIERS 1 AND 2 DEMOLITION PLAN						OF THE PAY APPLICATION REVIEW PROCESS, PAYMENT WILL NO	D AS PART DAMIN THE RECARAINANT PAULIT T EE MADE BSOO OBH'S STREET EAST MOST N TO E LACH PAULETTO, FL 34221 N TO E LACH 941-792-8811 EKT. 8056
	CL-D-2	CLARIFIERS 1 AND 2 DEMOLITION SECTION			PIPE 3" AND LARGER	EXISTING	PROPOSED	CURRENT SET OF RED-LINE DRAWINGS SHALL ALSO BE BROUG	MOST DAYS BEFORE HT TO EACH 941-792-8811 EXT. 8056 DAYS BEFORE YOU DIG
	CL-D-3	CLARIFIERS 1 AND 2 DEMOLITION DETAILS				4	4	MONTHLY PROGRESS MEETING.	941-792-8811 EXT. 8056 IT'S THE LAW! Know what helpe
	CL-M-1	CLARIFIERS 1 AND 2 IMPROVEMENTS PLAN			90° ELBOW			 THE CONTRACTOR SHALL REVIEW PHASING PLAN ESTABLISHED THE CONSTRUCTION DOCUMENTS INCLUDED HEREIN. IF THE CON PREFERS TO PHASE THE PROJECT DIFFERENT THAN SHOWN, TH SUBMIT AN ALTERNATIVE PRIOR TO CONSTRUCTION FOR REVIEW 	AS PART OF MANATEE COUNTY DUBLIC WORKS DIAL 811 Classes of the second statement of the second statemen
CLARIFIERS	CL-M-2	CLARIFIERS 1 AND 2 EQUIPMENT SECTIONS						PREFERS TO PHASE THE PROJECT DIFFERENT THAN SHOWN, TH	TRACTOR TONY KUSSO, D.E. EY SHALL 1022 20TH AVENUE EAST AND BRADENTON, FL 34208–3916 (941) 708–7450 EXT. 7349
	CL-M-3	CLARIFIERS 1 AND 2 EQUIPMENT DETAILS			90" ELBOW ROTATED UP	C)	a	SUBMIT AN ALTERNATIVE PRIOR TO CONSTRUCTION FOR REVIEW APPROVAL BY THE OWNER AND ENGINEER.	AND BRADENTON, FL 34208-3916 (941) 708-7450 EVT 7340
	CL-M-4	CLARIFIERS 1 AND 2 PIPING DETAILS							
	CL-M-5	CLARIFIERS 1 AND 2 ACCESSORIES MOUNTING DETAILS			90" ELBOW ROTATED DOWN		a	 FIELD CONDITIONS MAY NECESSITATE ALIGNMENT AND GRADE D THE PROPOSED PIPELINES TO AVOID CONFLICTS. NO ADDITIONA SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AN 	EVATION OF PAYMENT 2. ALL UTILITY CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE LATEST D THE VERSION OF THE MANATEE COUNTY UTILITY STANDARDS, UNLESS OTHERWISE SPECIFIED.
	CL-M-6	CLARIFIERS 1 AND 2 ACCESSORIES MOUNTING DETAILS				<u></u>		SHALL BE MADE WITHOUT PRIOR APPROVAL OF THE OWNER AN OWNER'S ENGINEER.	THE VERSION OF THE MANATEE COUNTY UTILITY STANDARDS, UNLESS OTHERWISE
	CL-M-7	CLARIFIERS 1 AND 2 DRAIN MANHOLE SECTION			TEE				
	CL-M-8	CLARIFIERS 1 AND 2 PRESSURE RELIEF VALVE DETAILS						 THE CONTRACTOR SHALL INCLUDE IN HIS BID:BY-PASS PUMPIN PUMPS, FITTINGS, LABOR, ETC. AS NECESSARY, BASED ON MET SEQUENCE OF CONSTRUCTION TO COMPLETE ALL WORK WHILE THE EXISTING WASTEWATER TREATMENT PLANT OPERATIONS AT 	IG FACILITIES. 3. ALL VALVE BOX COVERS SHALL BE PAINTED TO INDICATE THEIR TYPE OF SERVICE.
	CC-1	OVERALL CCC EXISTING SITE PLAN			REDUCER	5	1	SEQUENCE OF CONSTRUCTION TO COMPLETE ALL WORK WHILE I THE EXISTING WASTEWATER TREATMENT PLANT OPERATIONS AT	AINTAINING ALL TIMES. A ALL TEST POINT TAPPING SHALL BE CLIT LODGE FROM THE CORPORATION
	CC-D-1	CCC DEMOLITION PLAN				- m	•	11 IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO BRODERLY	ALL TIMES 4. ALL TEST POINT TAPPING SHALL BE CUT LOSS FROM THE CORPORATION STOP AND COMPLETELY REAVED AND DEPROSED OF THE CONTRACTOR DISPOSE OF PRIOR TO FINAL ACCEPTANCE. THE CORPORATION STOP SHALL BE CAPPED DAMOSHED. AND REMAIN IN PLACE,
	CC-D-2	CCC DEMOLITION SECTION			NUT ACTUATED PLUG VALVE	æ	Œ	 IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROPERLY ALL WASTEWATER, SLUDGE, AND GRIT WITHIN ALL PIPES TO BE REMOVED, OR CONNECTED TO. 	DEMOUSHED, AND REMAIN IN PLACE,
	CC-D-3	CCC NORTH & SOUTH DEMOLITION DETAILS				- TEN-	1997).		
	CC-D-4	CCC SOUTH DEMOLITION DETAILS			LEVER ACTUATED PLUG VALVE	pæ.	۲Œ)	 ALL PROPOSED WORK SHALL BE COORDINATED WITH WASTEWAT TREATMENT PLANT PERSONNEL AND MANATEE COUNTY LITUTE 	RESTORATION AND MISCELLANEOUS
	CC-D-5	CCC NORTH DEMOLITION DETAILS				- ' sel	jo-l	 ALL PROPOSED WORK SHALL BE COORDINATED WITH WASTEWAT TREATMENT PLANT PERSONNEL AND MANATEE COUNTY UTILITE DEPARTMENT AT LEAST TWO WEEKS IN ADVANCE OF PROPOSED 	1. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL
CHLORINE CONTACT CHAMBERS	CC-D-6	EFFLUENT PUMP STATION DEMOLITION DETAILS			HANDWHEEL ACTUATED PLUG VALV	e 💽		CONSTRUCTION.	
CHAMBERS	CC-C-1	CCC SITE PIPING PLAN			LEVER & WEIGHT CHECK VALVE	p	n	13. THE CONTRACTOR SHALL FURNISH SHOP DRAWINGS PER SPECI SECTION 01340 TO THE ENGINEER FOR REVIEW OF ALL PIPE CO TRANSITIONS, AND SPECIAL APPURTENANCES PRIOR TO FABRIC DELIVERY TO THE JOB SITE.	TICATIONS WINFCTIONS 2. THE CONTRACTOR SHALL REPLACE ALL EXISTING PAVING, STABILIZED EARTH,
	CC-C-2	CCC SITE PIPING SECTION			LEVER & WEIGHT CHECK VALVE	2	Q	TRANSITIONS, AND SPECIAL APPURTENANCES PRIOR TO FABRIC	ATION OR CURBS, SIDEWALKS, FENCES, LANDSCAPING, AND OTHER IMPROVEMENTS WITH THE SAME OR RETTER TYPE AND QUANTITY OF MATERIAL THAT WAS
	CC-M-1	CCC NORTH & SOUTH IMPROVEMENTS PLAN			AIR CUSHIONED CHECK VALVE	(PP)	~	DELIVERY TO THE JOB SITE.	ICATIONOS, NARCITONS, ATRON OR ATRON OR ATRONO
	CC-M-2	CCC NORTH & SOUTH IMPROVEMENTS SECTION			AIR CUSHIONED CHECK VALVE	Ö	Ø	 CONNECTIONS TO EXISTING FACILITIES SHALL BE ACCOMPLISHEE WORKMANSHIP LIKE MANNER, WHEN FIELD CONDITIONS INDICATE VARIANCE FROM DETAILED METHODS. THE CONTINCTOR SHALL COMPREHENSIVE AND DETAILED DRAWINGS FOR OWNER REVIEW APPROVAL FROM FOR TO MAKING THE CONNECTIONS. 	IN A NEAT ANY 3. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED
	CC-M-3	CCC NORTH & SOUTH IMPROVEMENTS SECTION			NUT ACTUATED BUTTERFLY VALVE			VARIANCE FROM DETAILED METHODS. THE CONTRACTOR SHALL	IN A NEAT ANY 3. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED PROVIDE OR REPLACED AND REINSTALLED BY THE CONTRACTOR AT NO ADDITIONAL AND COST TO THE OWNER UNLESS SHOWN TO BE REMOVED ON CONSTRUCTION
	CC-M-4	EFFLUENT PUMP STATION IMPROVEMENTS SECTION			NOT ACTUATED BUTTERFET VALVE	11(O)11	101	APPROVAL PRIOR TO MAKING THE CONNECTIONS.	PLANS.
	CC-M-5	CCC NORTH & SOUTH IMPROVEMENTS DETAILS			FLANGED		—	15. UNLESS OTHERWISE INDICATED OR APPROVED, ALL BELOW GRO	UND DUCTILE 4. CONTRACTOR SHALL RESTORE ALL IRRIGATION SYSTEM COMPONENTS TO D ALL ABOVE PRE-CONSTRUCTION CONDITIONS.
	CC-M-6	FRP COVER DETAILS			(CANGED	L	E	15. UNLESS OTHERWISE INJOLATED OR APPROVED, ALL BELOW GROE ROON PPE STALL HAVE PUSI-HON OR WICHANICAL, GUNTS, AN GROUND DUCTLE IRON PIPE SHALL HAVE FLANGED JOINTS, AU SHALL BE FULLY RESTRAIDED, CONTRACTOR TO FULLY RESTRAN PIPE AT TE-INI LOCATIONS OF NEW PIPE IN ACCORDANCE WIT- RESTRANT TABLE.	ALL ABOVE PRE-CONSTRUCTION CONDITIONS.
	CC-M-7	CCC SOUTH COATING IMPROVEMENTS			MECHANICAL JOINT			SHALL BE FULLY RESTRAINED. CONTRACTOR TO FULLY RESTRAIN	. JOINTS 5. ALL DISTURBED GRASSED AREAS SHALL BE RESTORED WITH SOD IN LIKE I JOINT KIND UNLESS OTHERWISE DIRECTED BY OWNER. CONTRACTOR SHALL ROLL ALL SODED AREAS.
STANDARD DETAILS	SD-1	STANDARD DETAILS				P		RESTRAINT TABLE.	ALL SODDED AREAS.
	SD-2	STANDARD DETAILS			PIPE CAP	7	7		EXISTING 6. CONCRETE SIDEWALKS OUTSIDE OF DRIVEWAYS SHALL BE RESTORED WITH 4
	SD-3	STANDARD DETAILS					_	 ALL PIPELINES SHALL HAVE A MINIMUM COVER OF 36" BELOW GRADE UNLESS OTHERWISE NOTED OR DIRECTED. 	EXISTING 6. CONCRETE SIDEWALKS OUTSIDE OF DRIVEWAYS SHALL BE RESTORED WITH 4 INCHES OF 3,000 PSI CONCRETE PER FDOT DESIGN STANDARDS, SECTIONS 522 & 310.
	GS-1	GATE SCHEDULE			PIPE 2" AND SMALLER			 WATER SHALL NOT BE PERMITTED IN BUILDING EXCAVATIONS O DURING CONSTRUCTION. DEWATERING IS REQUIRED TO A MINIMUL BELOW BOTTOM OF EXCAVATION. 	TRENCHES
GATE SCHEDULE	GS-2	GATE SCHEDULE						DURING CONSTRUCTION. DEWATERING IS REQUIRED TO A MINIMU BELOW BOTTOM OF EXCAVATION.	
	GS-3	GATE SCHEDULE			CHECK VALVE		\bowtie	18 THE CONTRACTOR CHAIL NOT ALLOW ANY DISCHARGE OF WAS	ABBREVIATIONS
	GS-4	GATE SCHEDULE					17	LANDS AND/OR ADJACENT WATER BODIES OR STORM DRAINS.	ANY ARV AIR RELEASE VALVE
	GS-5	GATE SCHEDULE			BALL VALVE			18. THE CONTRACTOR SHALL NOT ALLOW ANY DISCHARGE OF WAS LANDS AND/OR ADJACENT WATER BODIES OR STORM DRANS. LEAKAGE MUST BE CONTAINED AND RENOVED BY THE CONTRA- PLANT DRAIN PUMP STATION AT THE WASTEWATER TREATMENT CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY SPI	ANY ARV AIR RELASS, VALVE TOR 10 THE BW BUILT WELD PLANT. CCC CHARANGE CONTACT CHANGER LIST OF DEP. € CEVTERLINE RIN DI DUCTLE IRON DIA DUATEER
STRUCTURAL	S-1	STARWAY PLATFORM EXTENSION DETAILS					M	CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ANY SPI	LIS TO FDEP. & CENTERLINE
SHOOTOICIE	S-2	PUMP PEDESTAL DETAILS			GLOBE VALVE	M	NT/	19. ALL BELOW-GRADE PIPE AND FITTINGS 4-INCHES AND GREATE	R IN DIA DIAMETER
								DIAMETER SHALL BE MECHANICAL JOINT DUCTILE IRON. IF EXPO WASTEWATER INTERIOR COATING SHALL BE TNEMEC SERIES 43	ISED TO DIP DUCTILE IRON PIPE
					PIPE CAP		7	PERMA-SHIELD PL. IF EXPOSED TO CLARIFIED WATER, INTERIOR	R N DIA DANETER NON SED TO DIP DUCTLE IRON PIPE O DUCTLE IRON PIPE COANING EFF EFFLUENT COANING ELEC ELECTRICAL
						_	-	 ALL BELOW-GRADE PIPE AND FITTINGS 4-INCHES AND GREATE DUMETERS SHALL BE MECHANICAL JOINT DUCITLE IRON. IF EXPO WASTEWATER, NITERICA CONTO SHALL BE THEME SERIES AN PENMA-SHELD PL. IF EXPOSED TO CARRIED WATER, INTERNOR FITTING'S EXTERIOR CONTINUE SHALL BE CARL TAR EDWALE DO FITTING'S EXTERIOR CONTINUE SHALL BE CARL THE SPEC SECTION CARLS. 	COATING ÈLEC ÈLÈGTRICAL ST AND EX. EXISTING A FHMB FINISHED HEAD MACHINE BOLT FICATIONS FL FLANGED
								FACTORY-APPLIED EPOXY. ALL COATINGS SHALL BE PER SPEC SECTION 02615.	FICATIONS FL FLANGED FRP FIBERGLASS REINFORCED PLASTIC
								20. ALL EXPOSED PRF AND FITHINGS 4-INCIRES AND GREATER NI SHALL BE FLANGED LUCILE IRON, IF EXPOSED TO WASTEWATE COATING SHALL BE THENE'S SERIES 431 PERMA-SHELD FL. IF CLARIFIER SCUM, INTERFOR COATING SHALL HAVE A STANDARD FACTORY-APPLED GLASS LINIO, ALL PIPES' AND FITHING'S EN COATING SHALL BE FER SPECIFICATIONS SECTION 02615.	RATERIOR HIMB HEX HEAD MACHINE BOLT
								COATING SHALL BE TNEMEC SERIES 431 PERMA-SHIELD PL. IF CLARIFIER SCUM, INTERIOR COATING SHALL HAVE A STANDARD	R, INTERIOR HHINB HEX HEAD MACHINE BOLT EXPOSED TO INV NIVERT TEROR MH MANHOLE TEROR MJ MECHANICAL JOINT
								FACTORY-APPLIED GLASS LINING. ALL PIPES' AND FITTINGS' EX	IERIOR MJ MECHANICAL JOINT
			050500						
			SECTION	I CALLOU	JT LEGEND E	detail call	OUT LEGEND	 ALL EXPOSED VALVES, EQUIPMENT, AND STRUCTURES SHALL BI THE OUTSIDE AS PROVIDED IN SPECIFICATIONS SECTION 09900. 	. COATED ON PE PLAIN END PVC POLYUNYL CHLORIDE
				_				22 ALL EVENED DEBUG ETTINGS VALUES AND SOUTH OF DEBUG	TENDOR Mar MCCHANICAL, DOTT COATED ON FER PLANE DOU COATED ON FE PLANE DOU LE E ANYED PW POTALE WATER HER KISAGE FCAN ROU HER KISAGE FCAN ROU
				SEC	CTION NAME/NUMBER	\frown	- DETAIL NUMBER	 ALL EXPOSED PIPING, FITTINGS, VALVES, AND EQUIPMENT SHAL ON THE OUTSIDE WITH DESIGNATED COLORS ASSOCIATED WITH AS PROVIDED IN SPECIFICATIONS SECTION 09902. 	DE PAINTED NW NAW WATER
			(4 4		(4	٢	AS PROVIDED IN SPECIFICATIONS SECTION 09902.	SCH SCHEDULE SS STAINLESS STEEL
			HW.	-M-3 HW-M-5		HW-M-3	1	23. ALL NEW PIPELINES SHALL BE FLUSHED, PRESSURE TESTED, AN	SS STAINLESS STEEL ND APPROVED SW SOLVENT WELDED
						\w-5	/	 ALL NEW PIPELINES SHALL BE FLUSHED, PRESSURE TESTED, AP PRIOR TO TIE-INS TO EXISTING FACILITIES. THE CONTRACTOR V ALLOWED TO USE TEMPORARY PLUGS FOR PRESSURE TESTING. 	E CONTO ON PEC PLAN ENDU CARDIC E CONTO PAR EN
			SHEET WHERE SECTION	\checkmark	ET WHERE SECTION IS SHOWN	\smile	SHEET WHERE DETAIL IS SHOW	AN 24. CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFAL	THRD THREADED JE WATER TYP. TYPICAL
			SHEET WHERE SECTION	- SHE	LI MILLOL BECHUN IS SHORN		- and I WHERE DETAIL IS SHOW	DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF	UHIWWPE ULTRA HIGH MOLECULAR WEIGHT POLYETHYLENE TALL ALL VERT. VERTICAL
								24. CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFAI DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL BE REQUIRED TO INS EROSION, SEDMENT, AND TURBIDITY CONTROL MEASURES PRIOR CONSTRUCTION OF ANY COMPONENT ASSOCIATED WITH THE PI ANY COMPONENT ASSOCIATED WITH ANY COMPONENT ASSOCIATED WITH THE PI ANY COMPONENT ANY COMPONENT ASSOCIATED WITH THE PI ANY COMPONENT ASSOCIATED WITH ANY COMPONENT ASSOCIATED WITH PI ANY COMPONENT ASSOCIATED WITH PI ANY COMPONENT ASSOCIATED WITH PI ANY COMPONENT ANY COMPONENT ASSOCIATED WITH PI ANY COMPONENT ASSOCIATED WITH PARTY ASSOCIATED WITH PI ANY COMPONENT ASSOCIATED WITH PARTY ASSO	TO VENTI VENTIONE
								CONSTRUCTION OF ANY COMPONENTS ASSOCIATED WITH THE PI	.OJECT.
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					DESIGNED BY WWW				GENERAL NULES
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		PHO	E: 727-547-3999		DRAWN BY KEG	AND CCC	MPROVEMEN	TS STATE	
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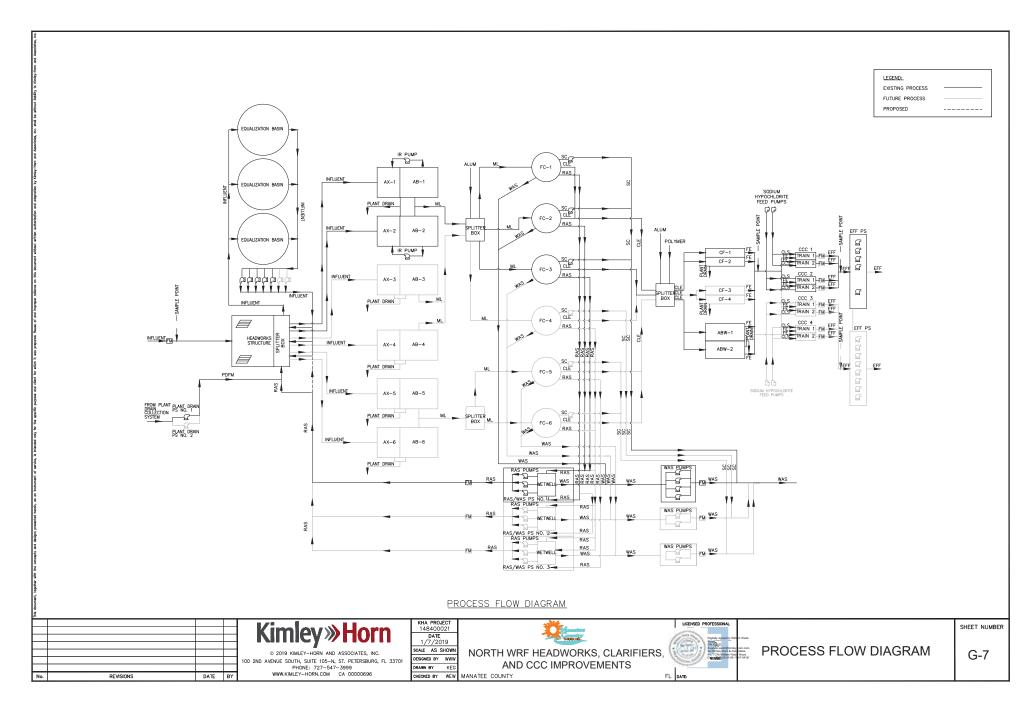




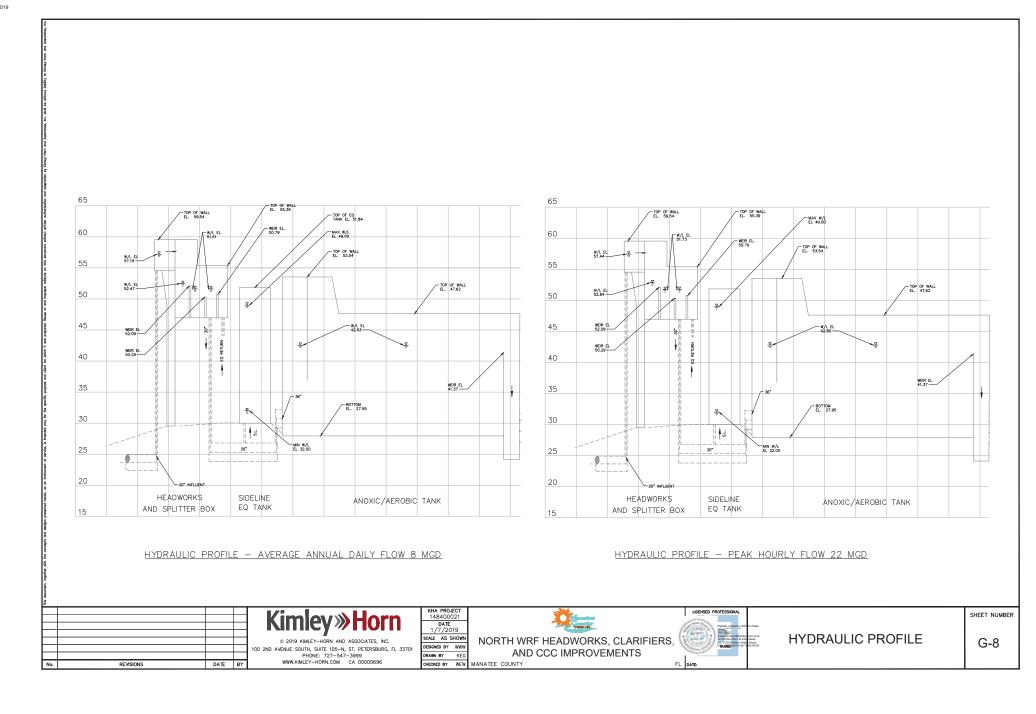


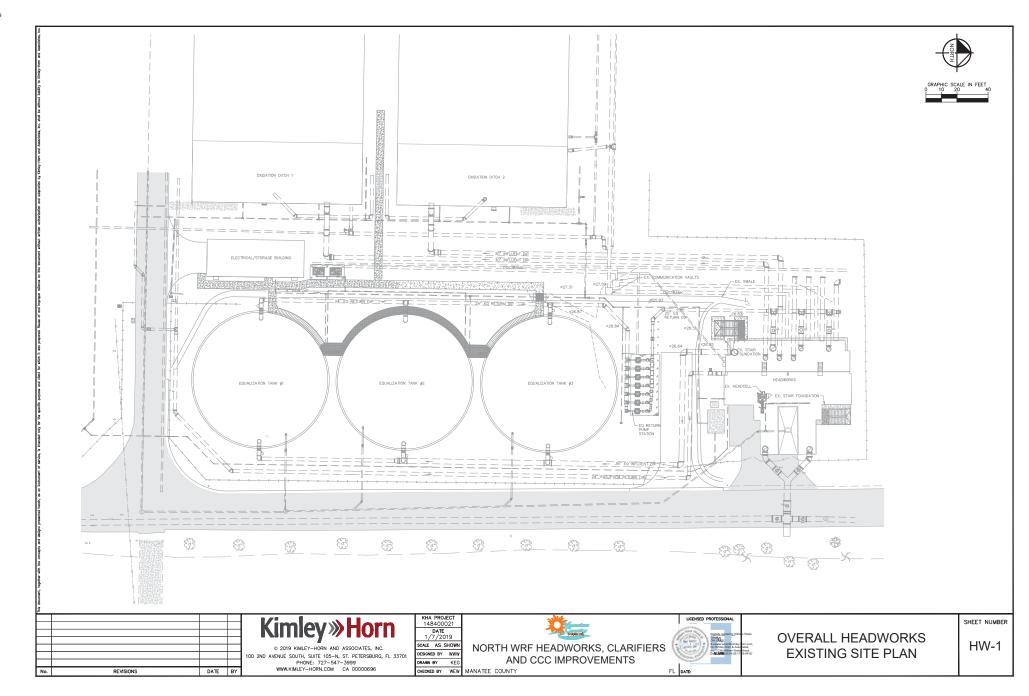


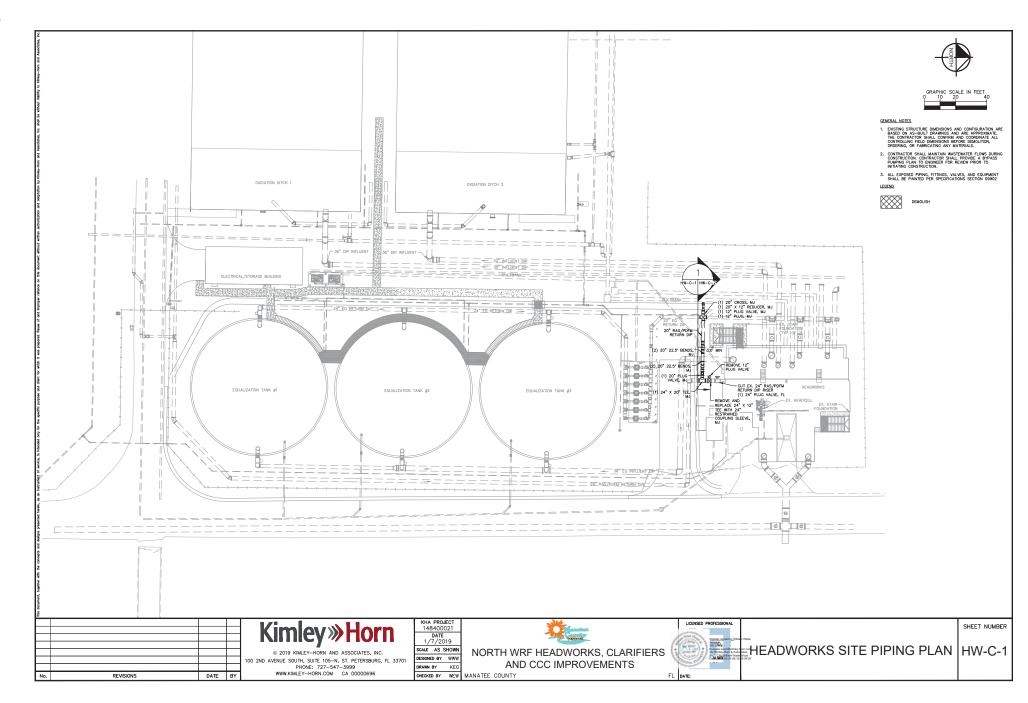


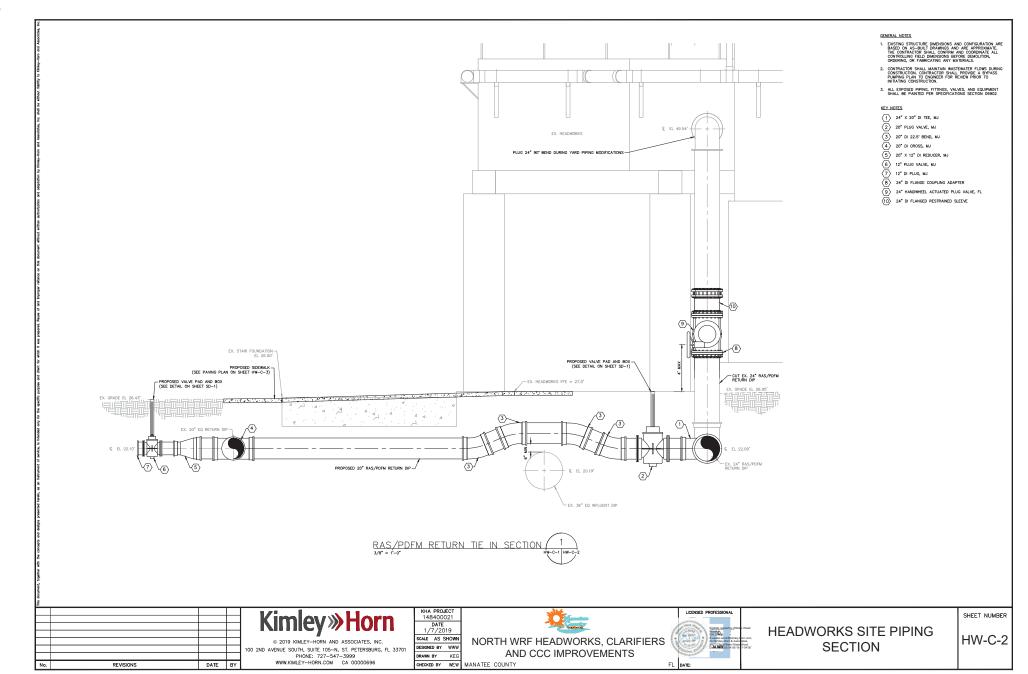




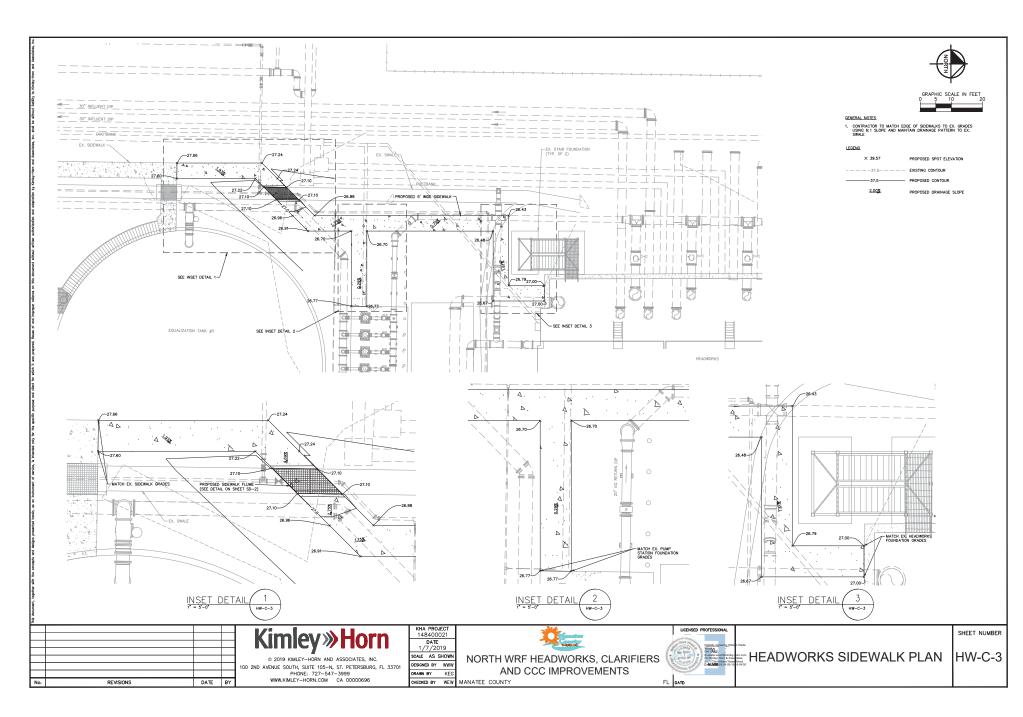




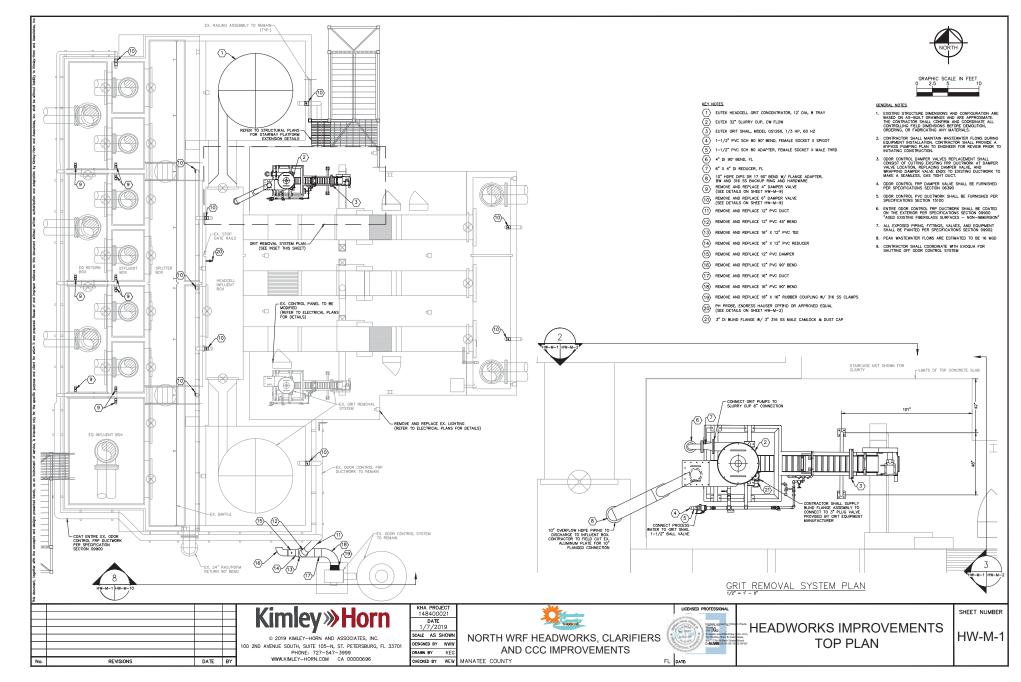




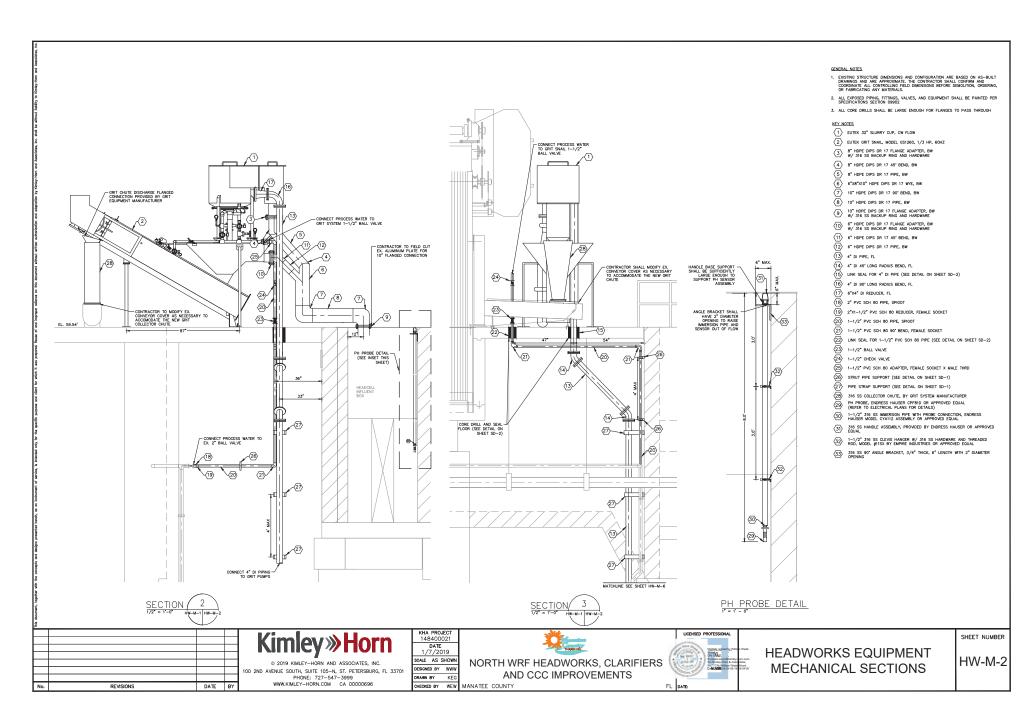




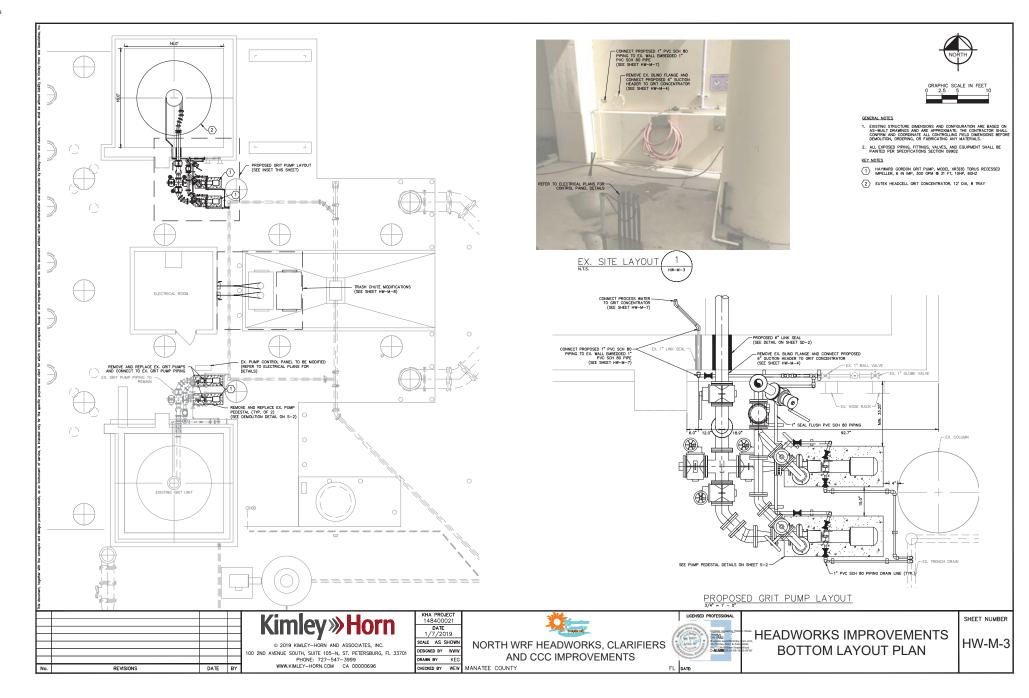


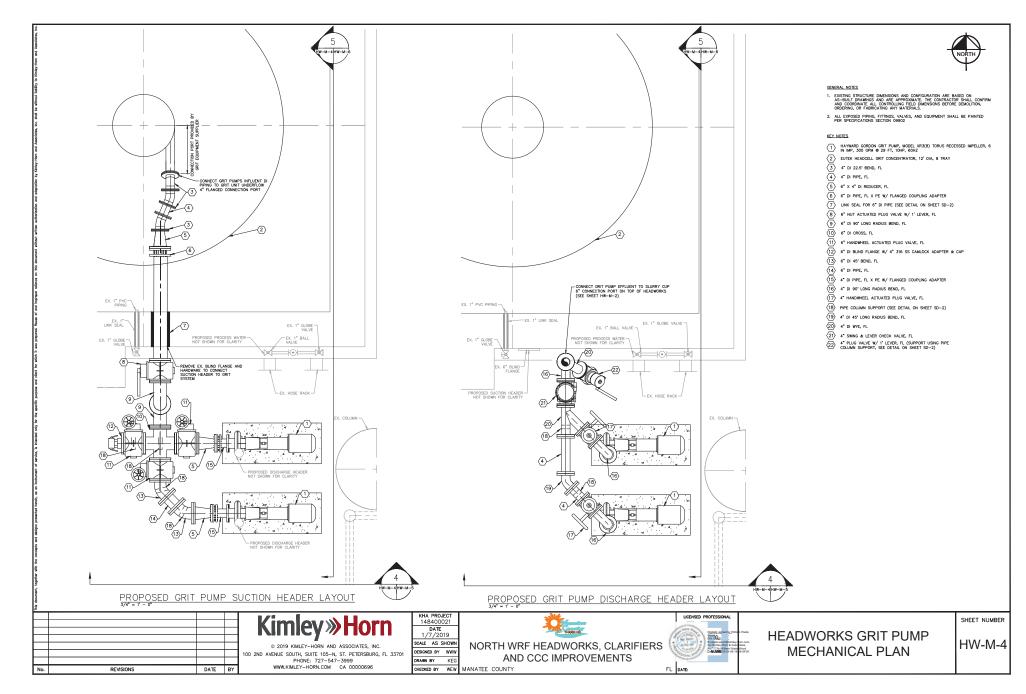


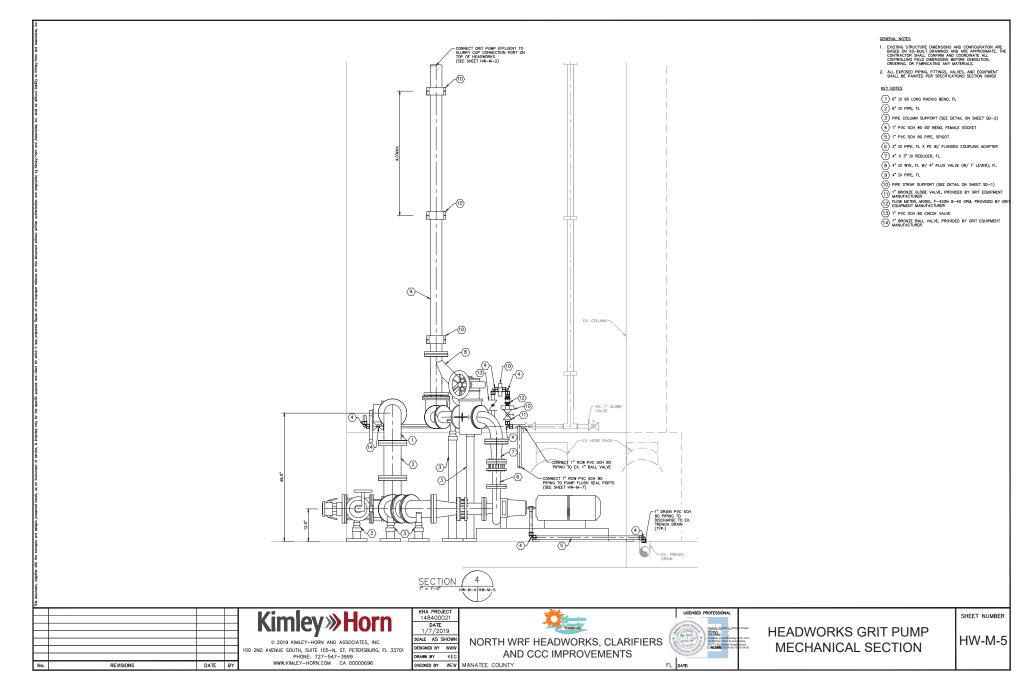




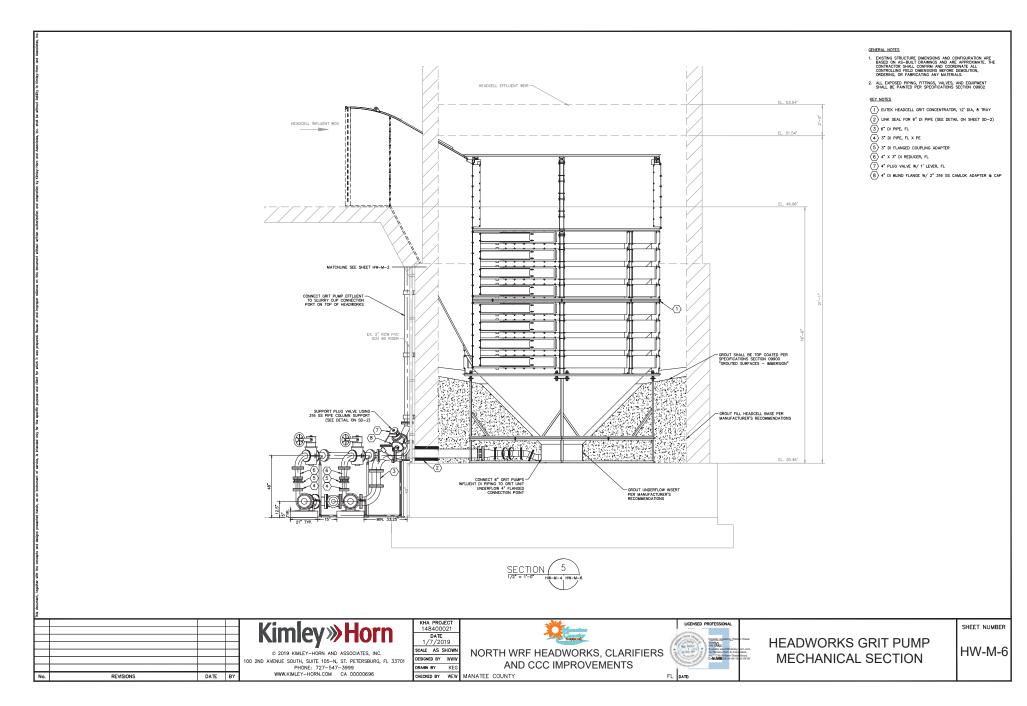




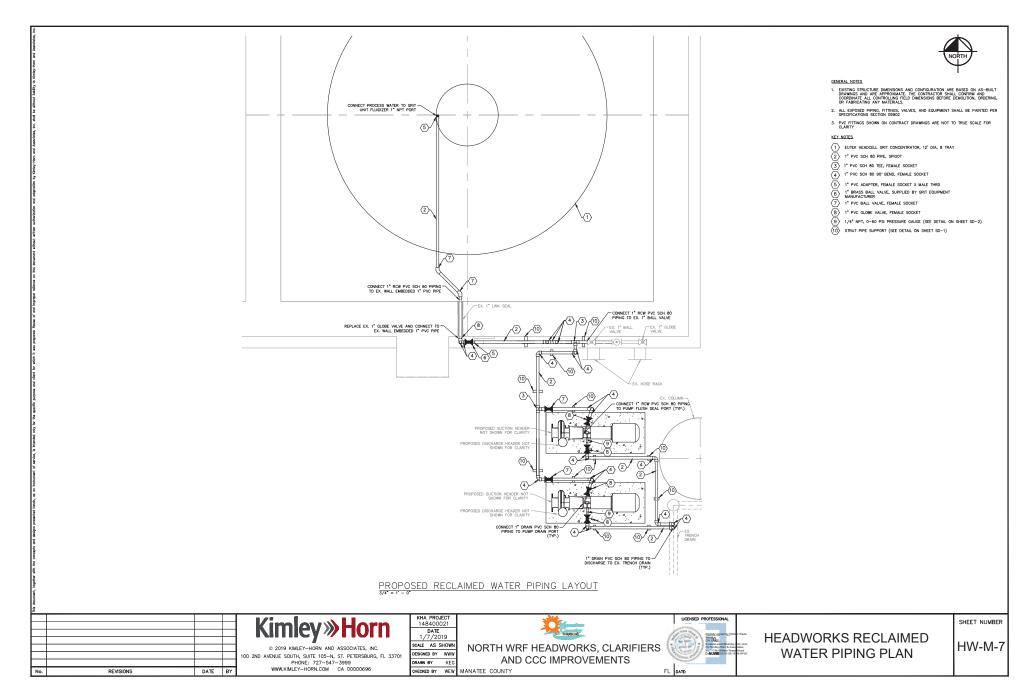




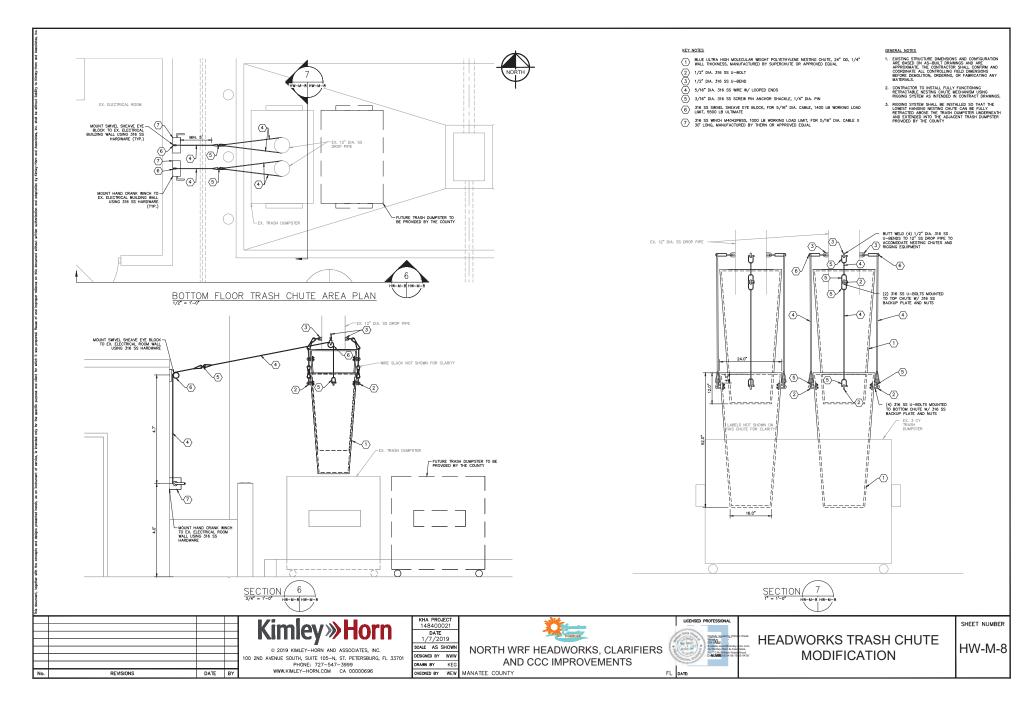


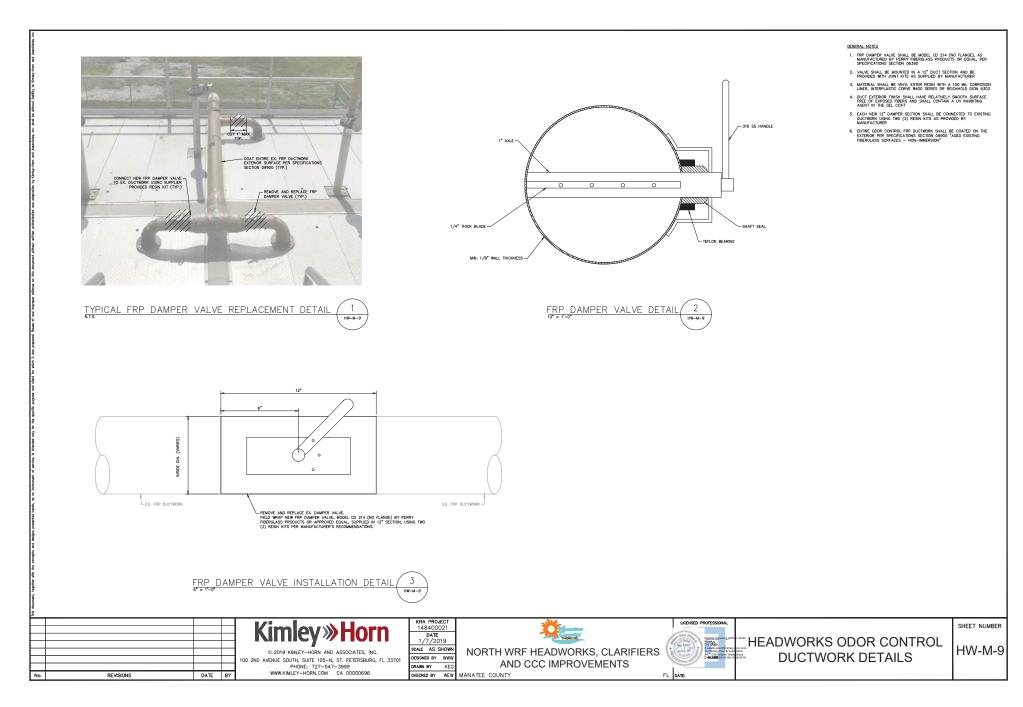




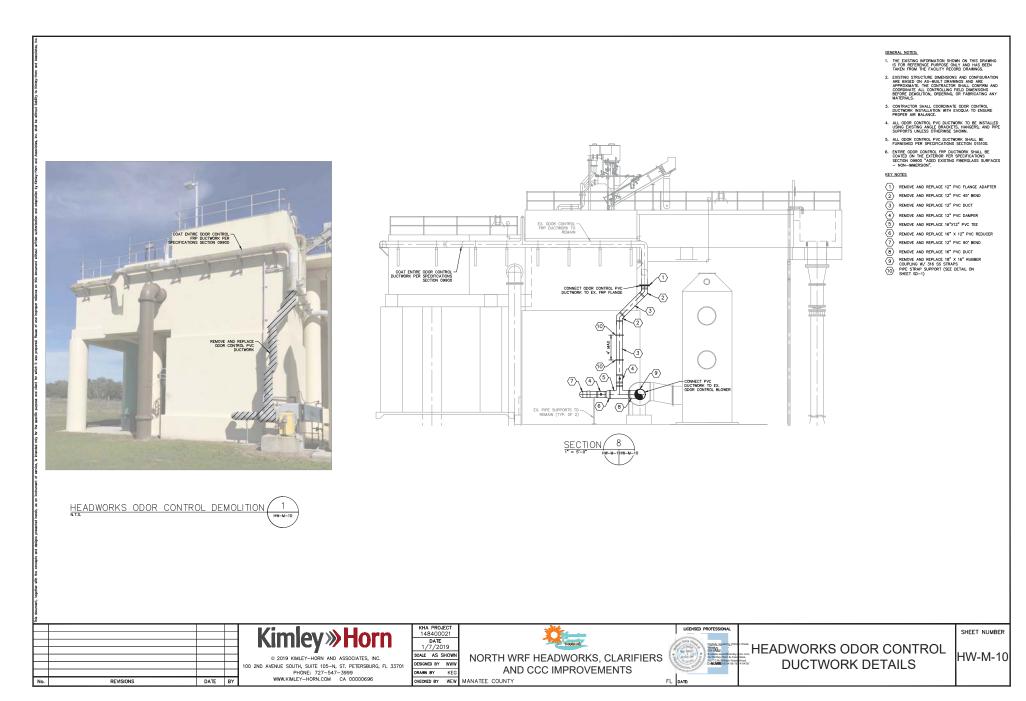




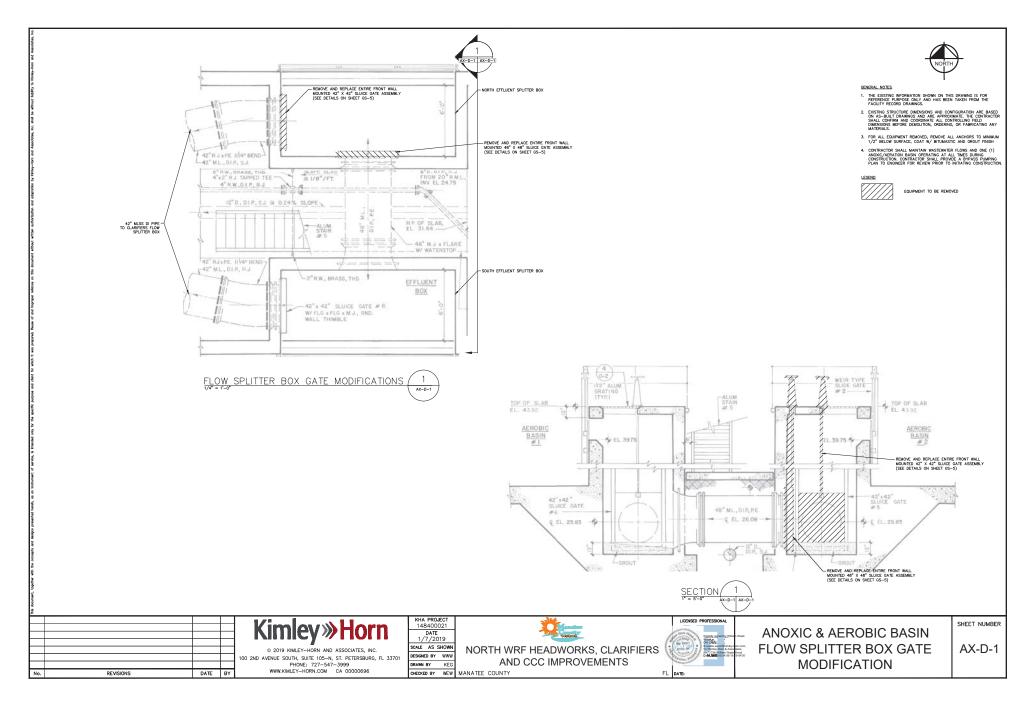




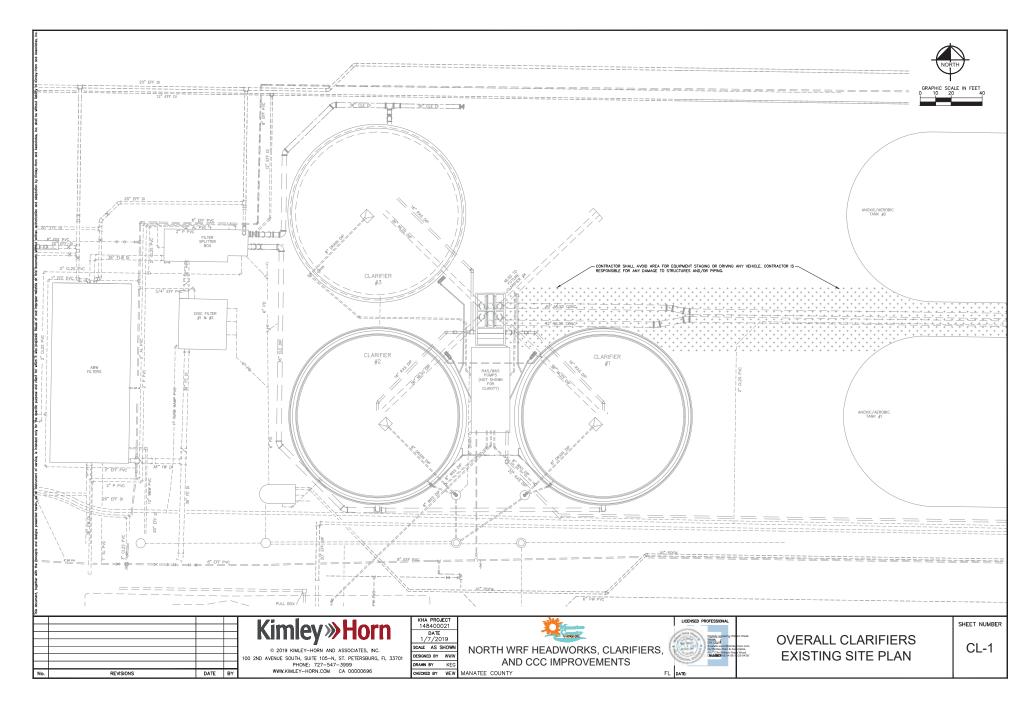


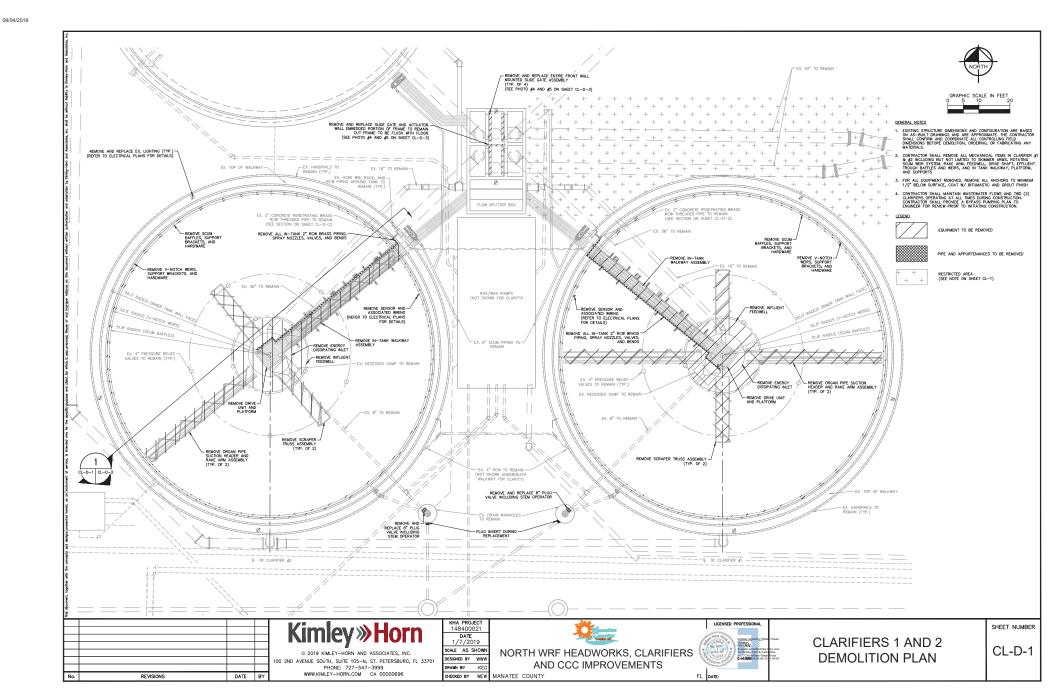




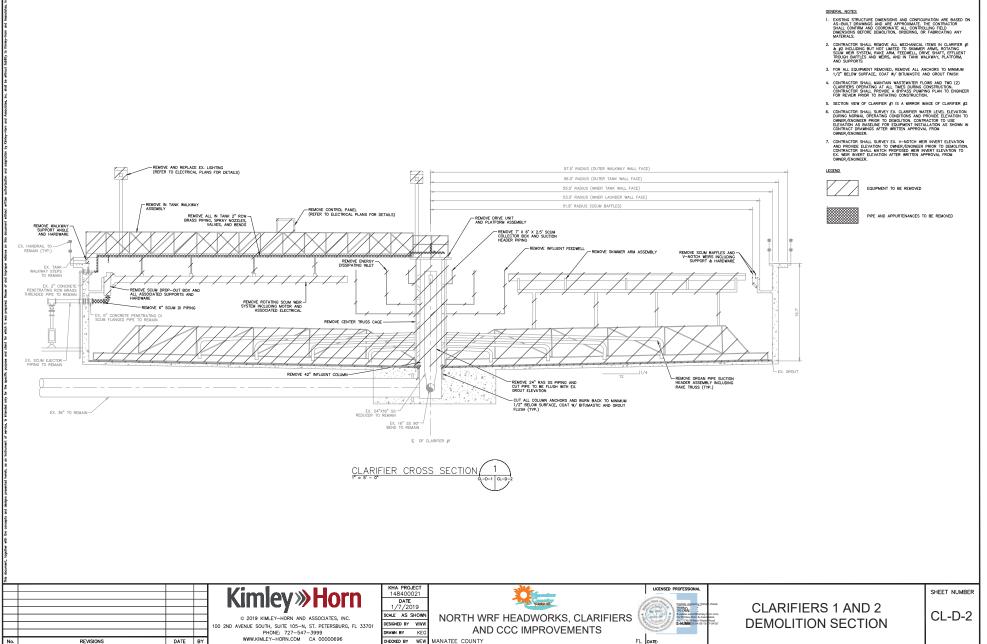


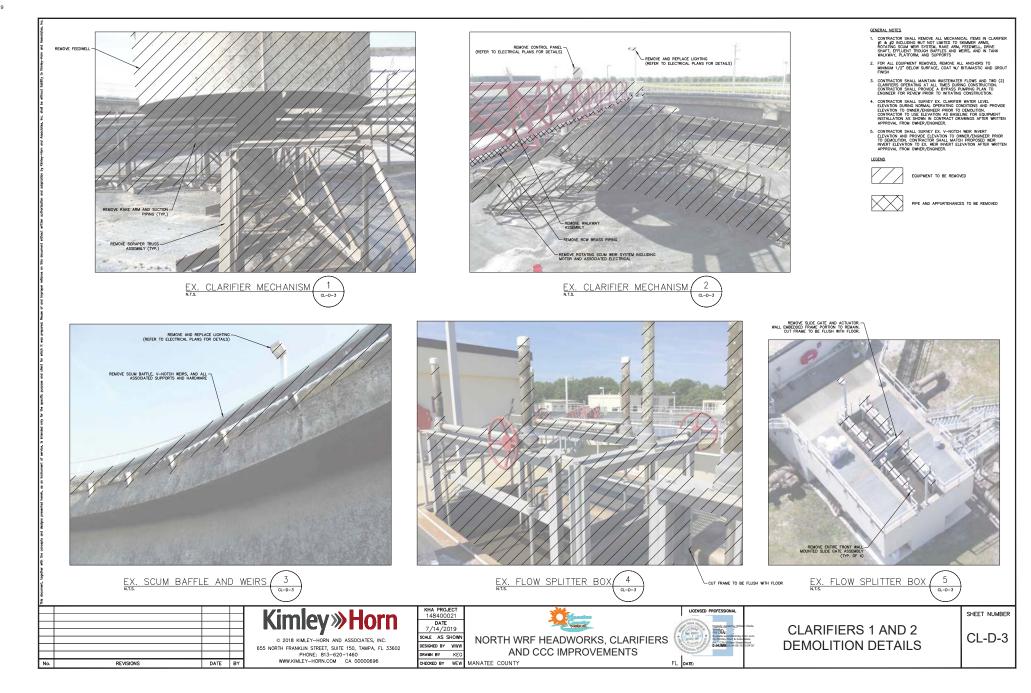




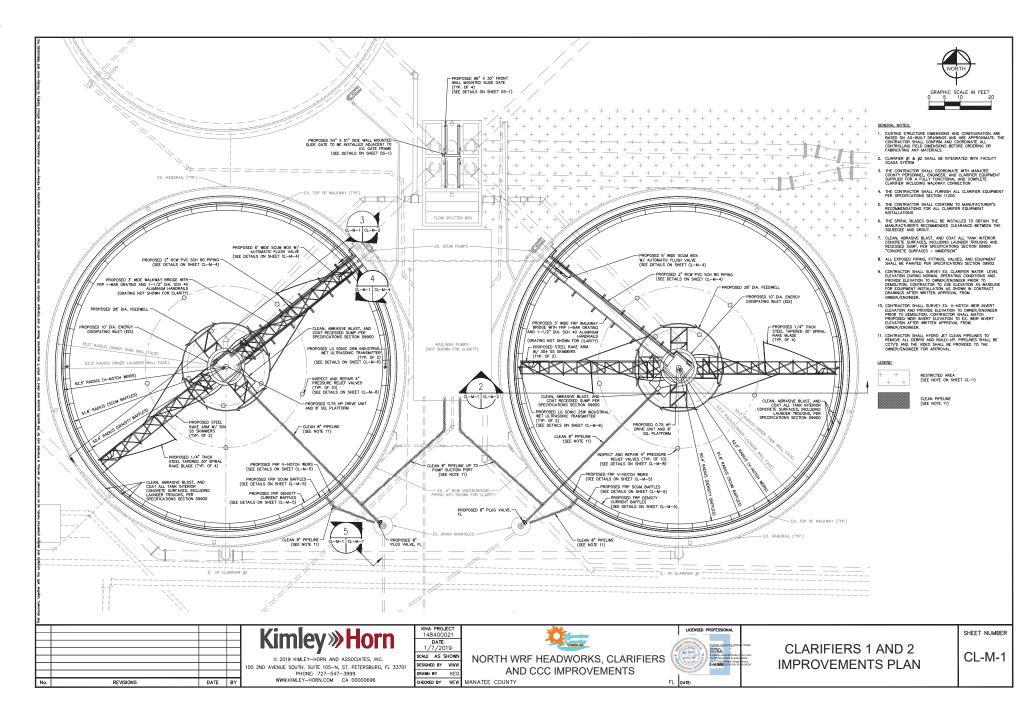


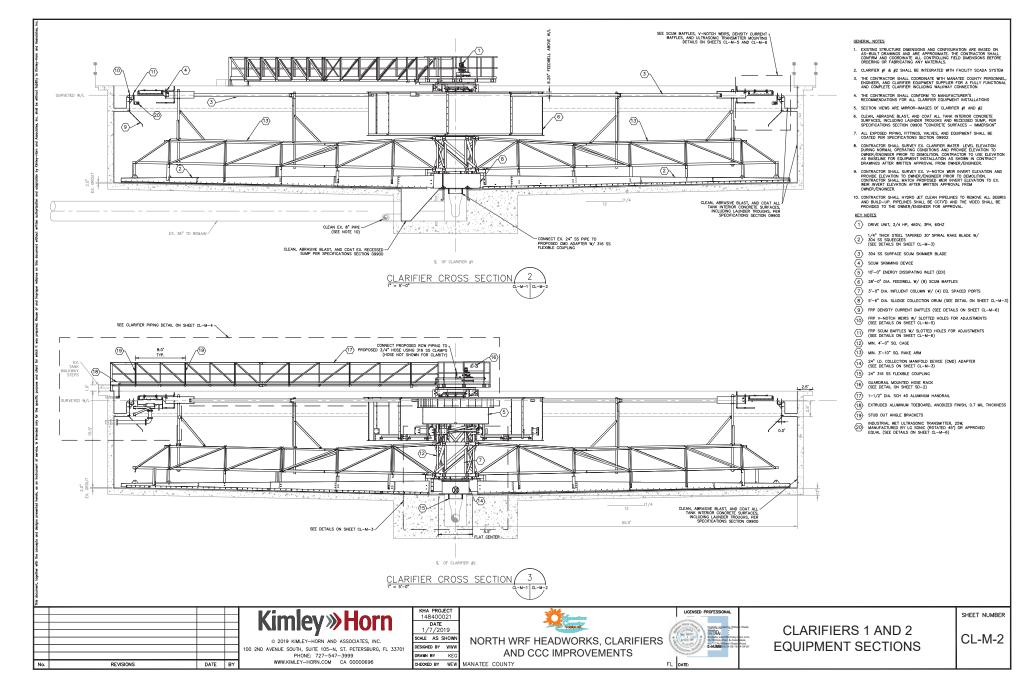


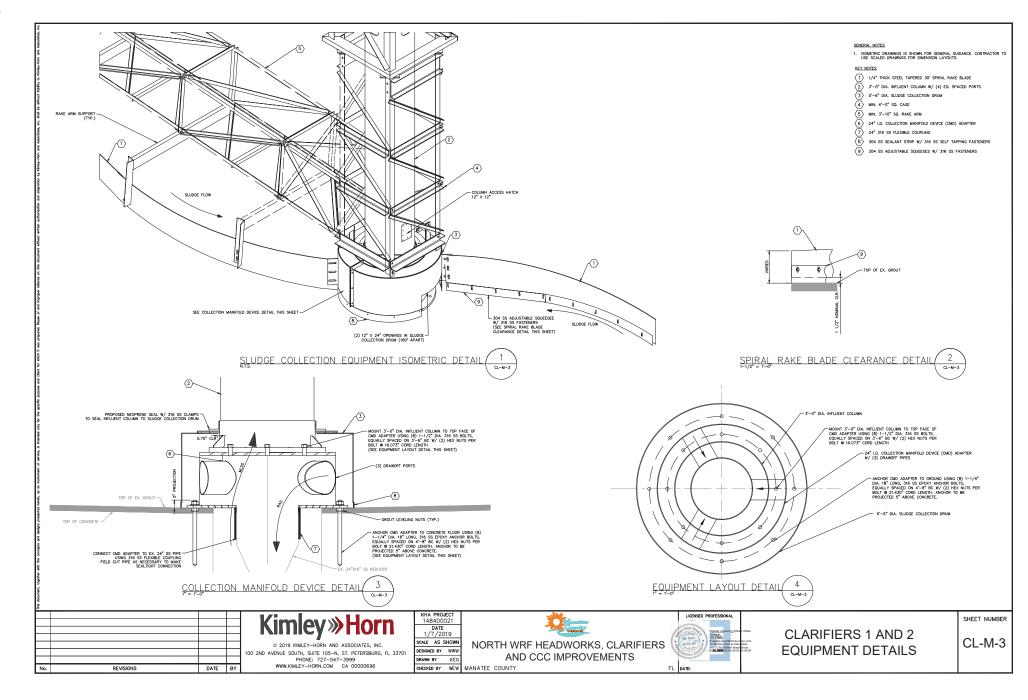


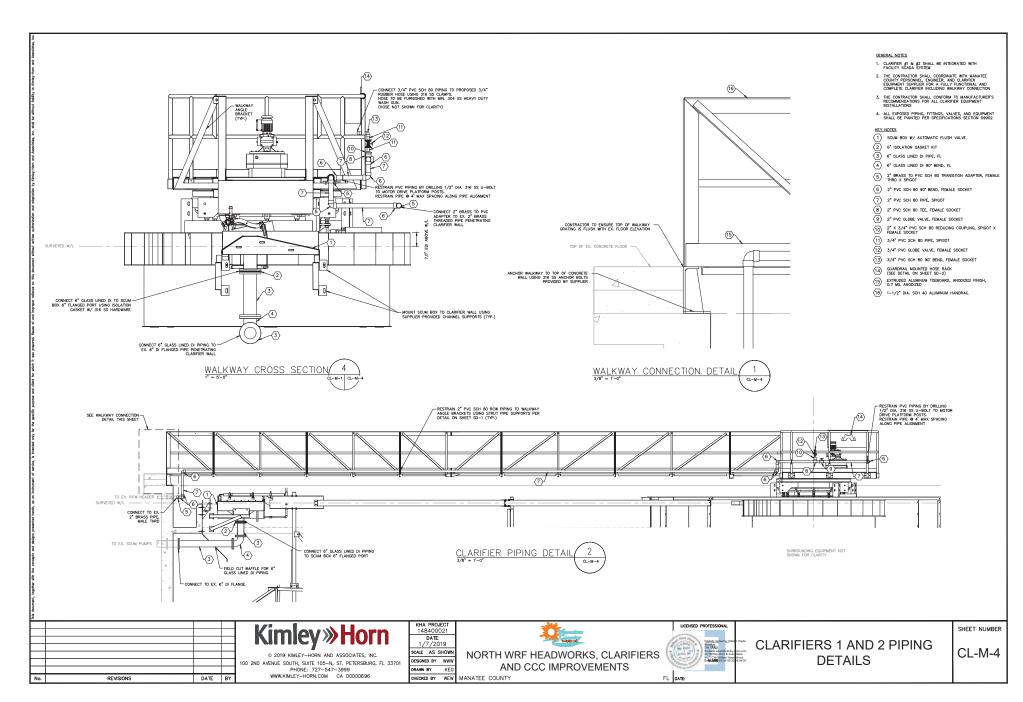




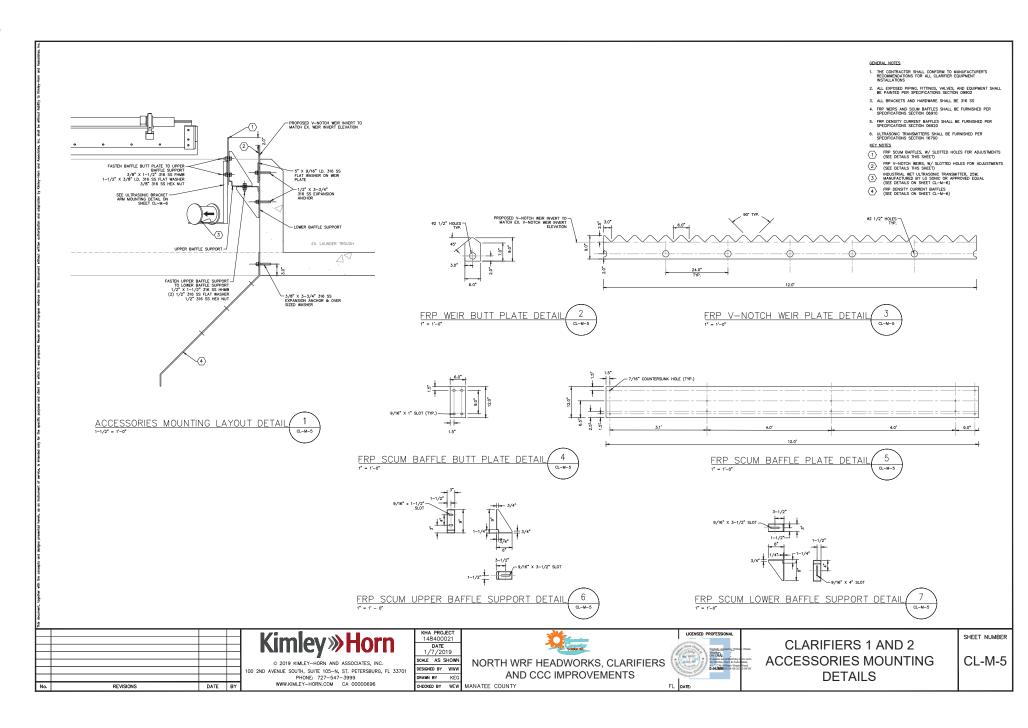


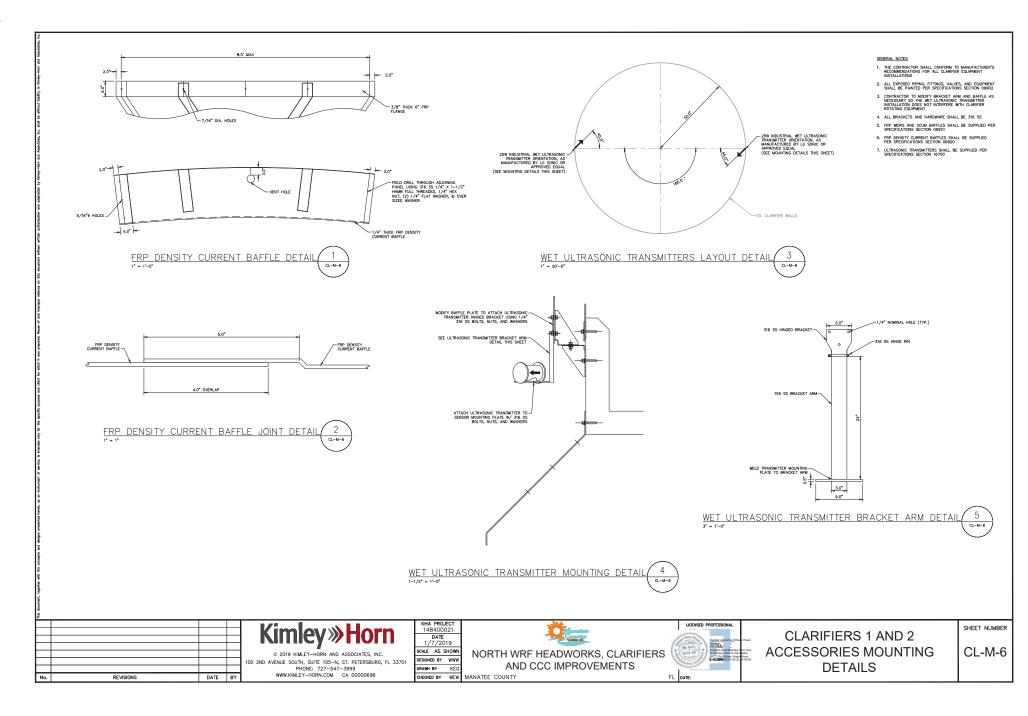


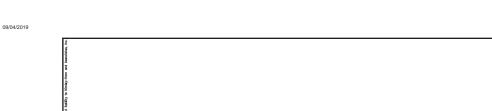


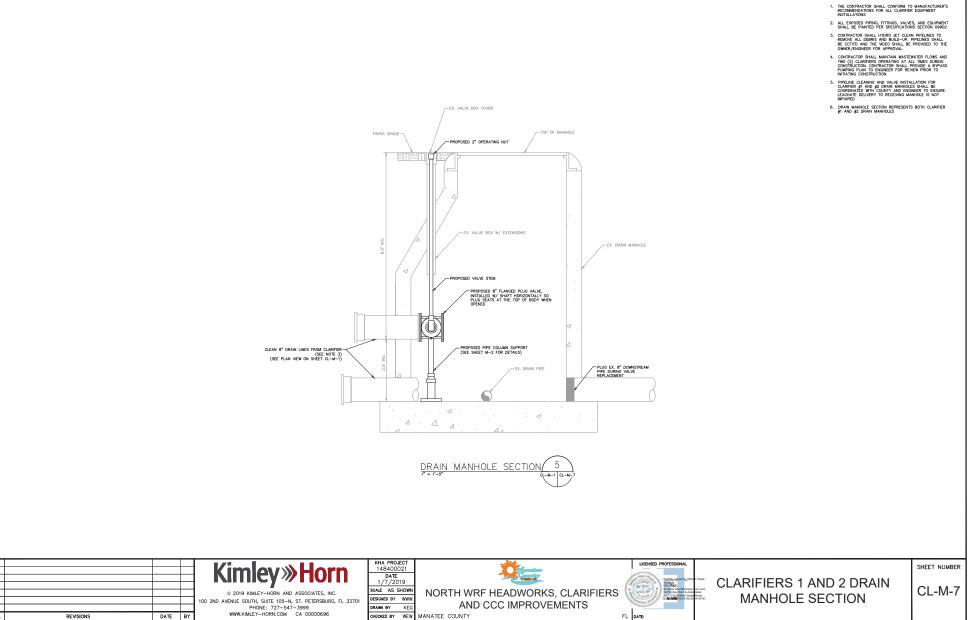






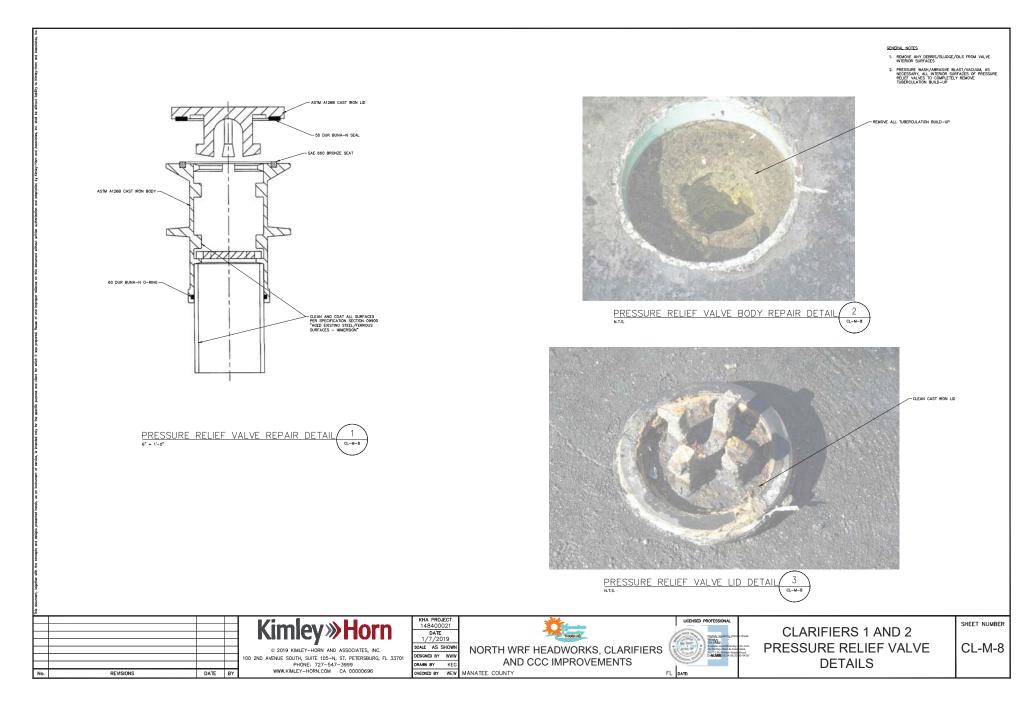


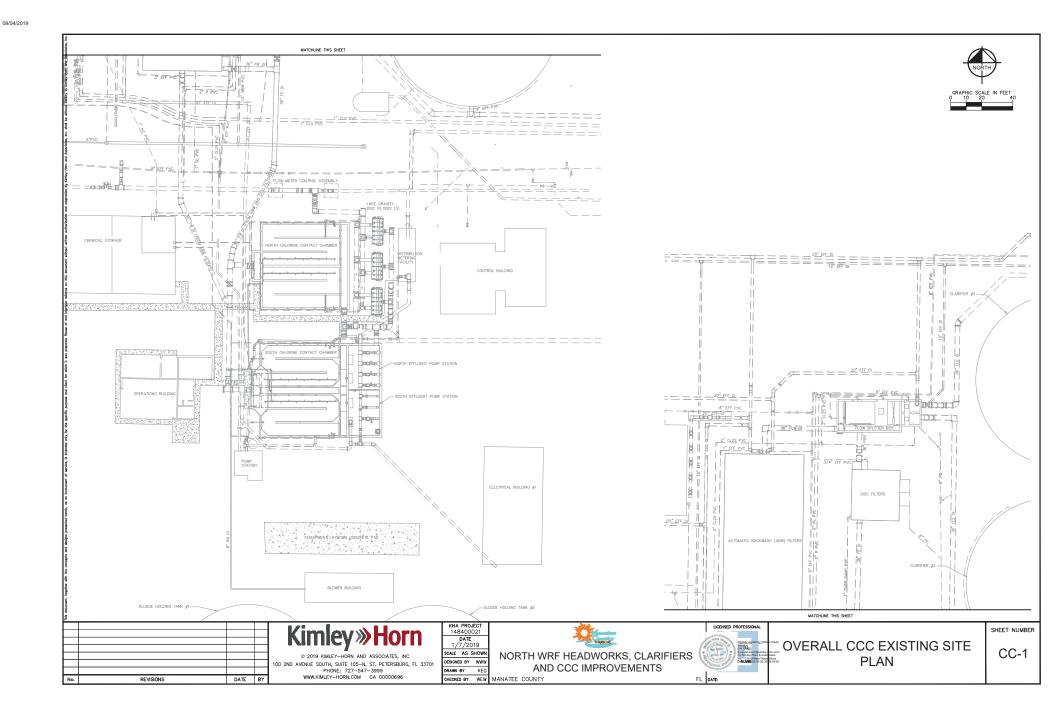


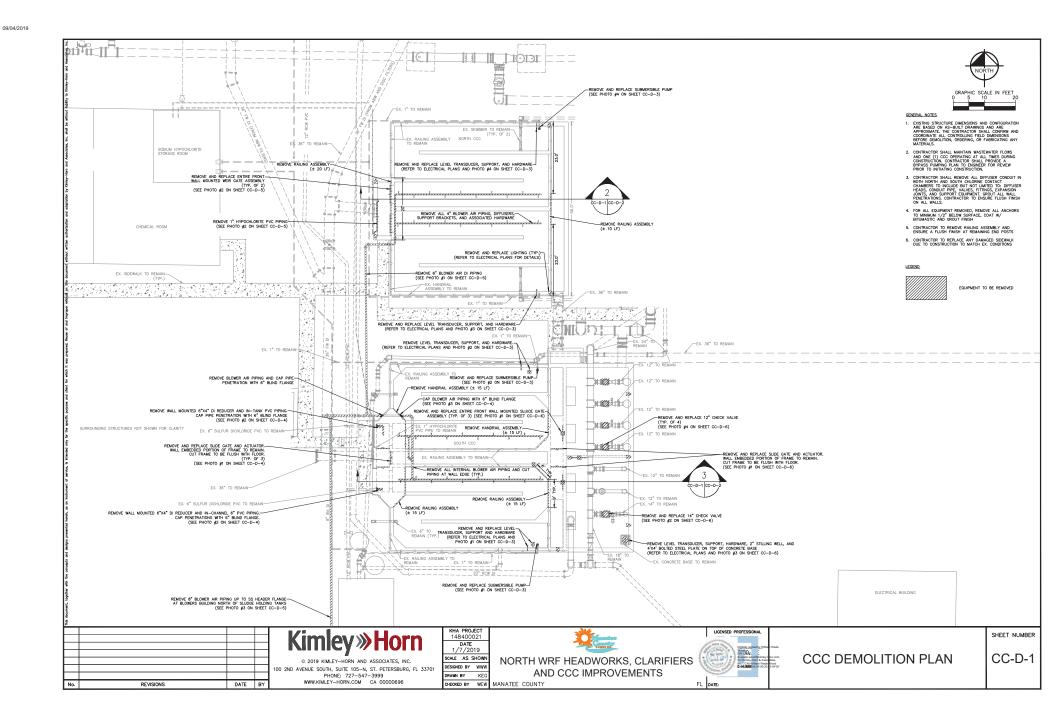


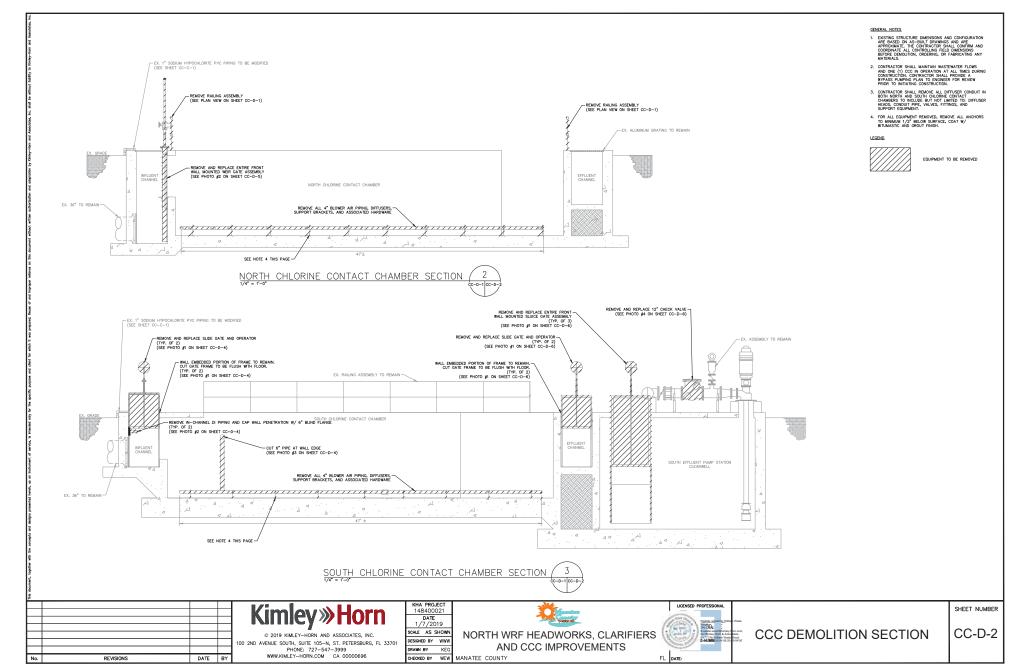
GENERAL NOTES

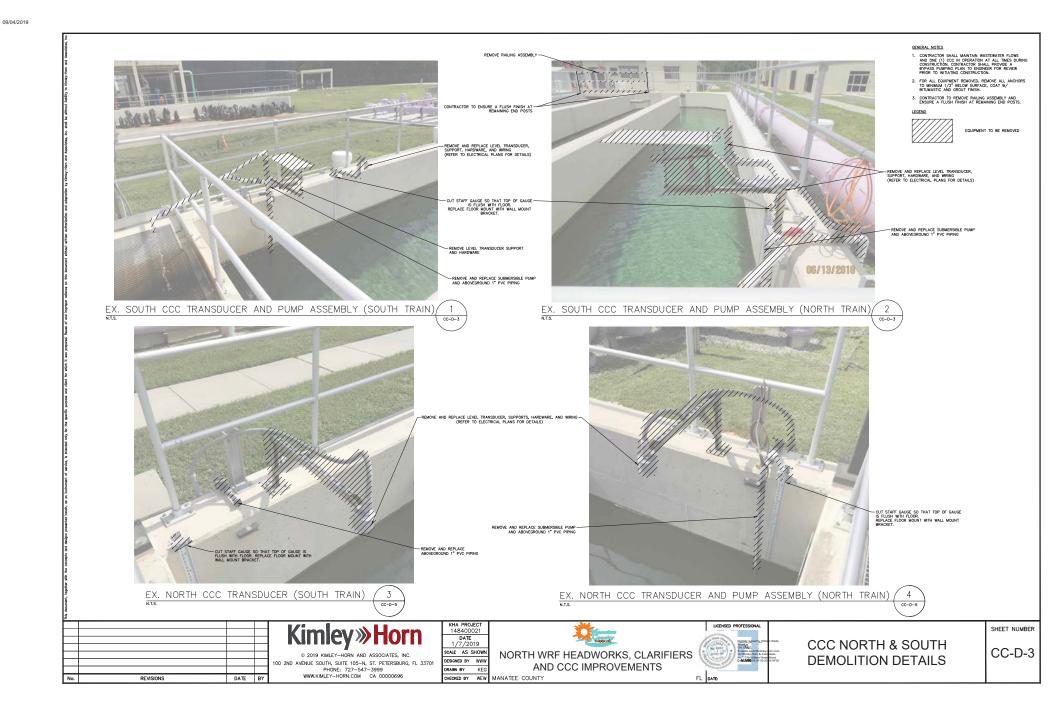


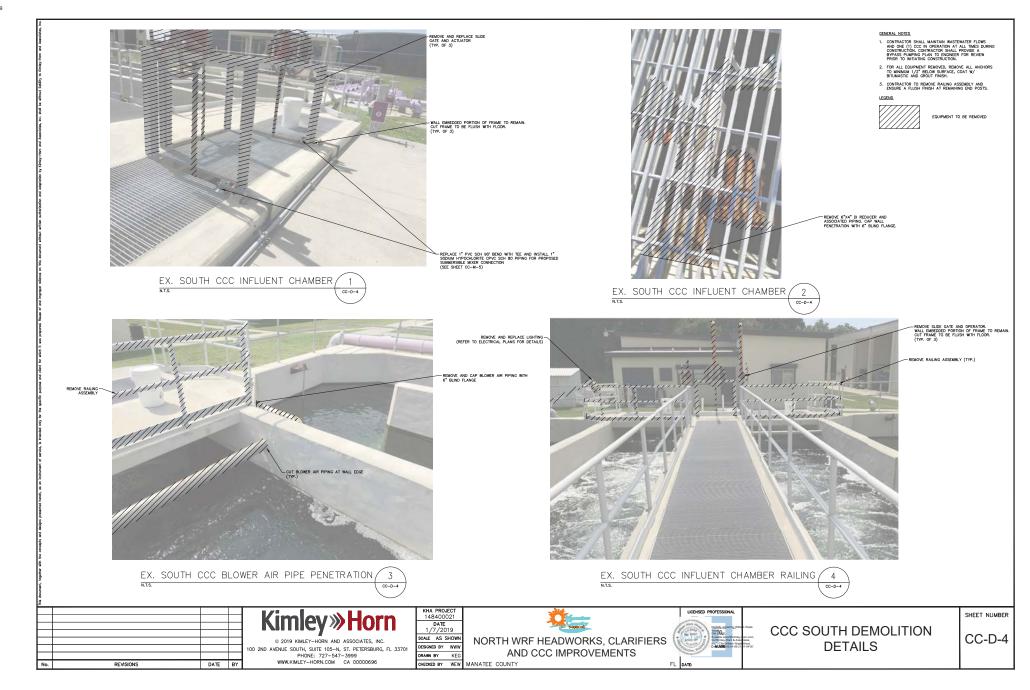




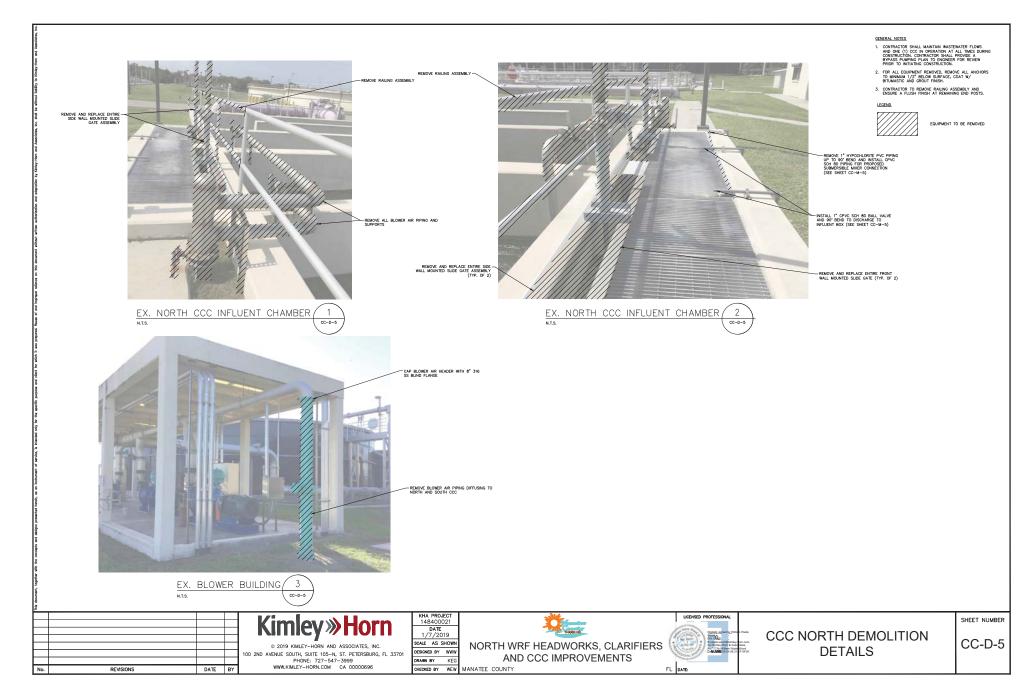


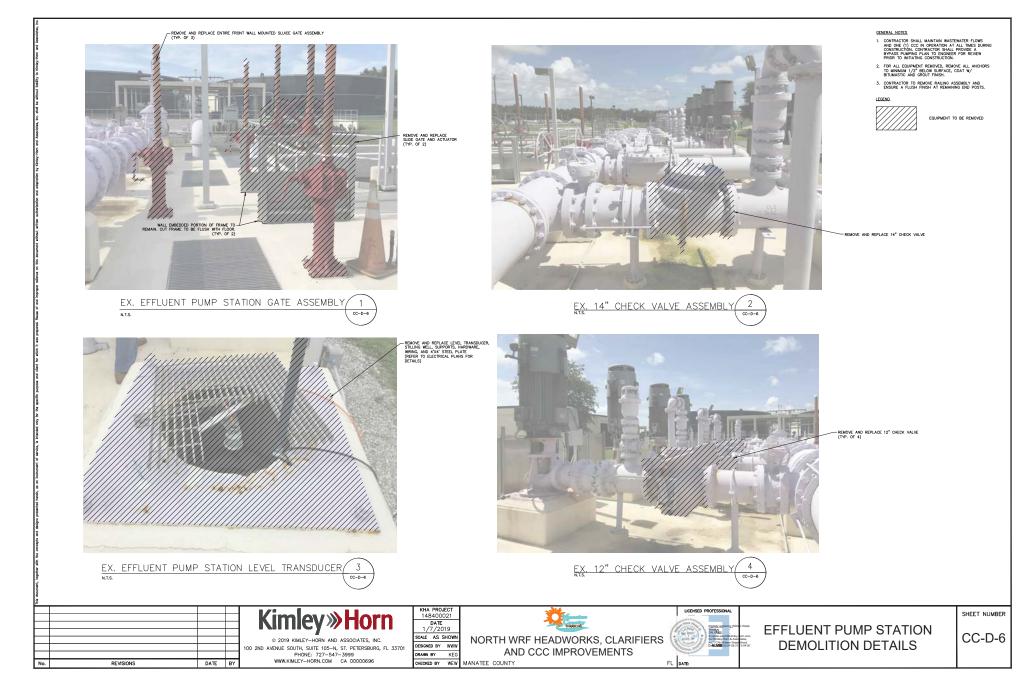


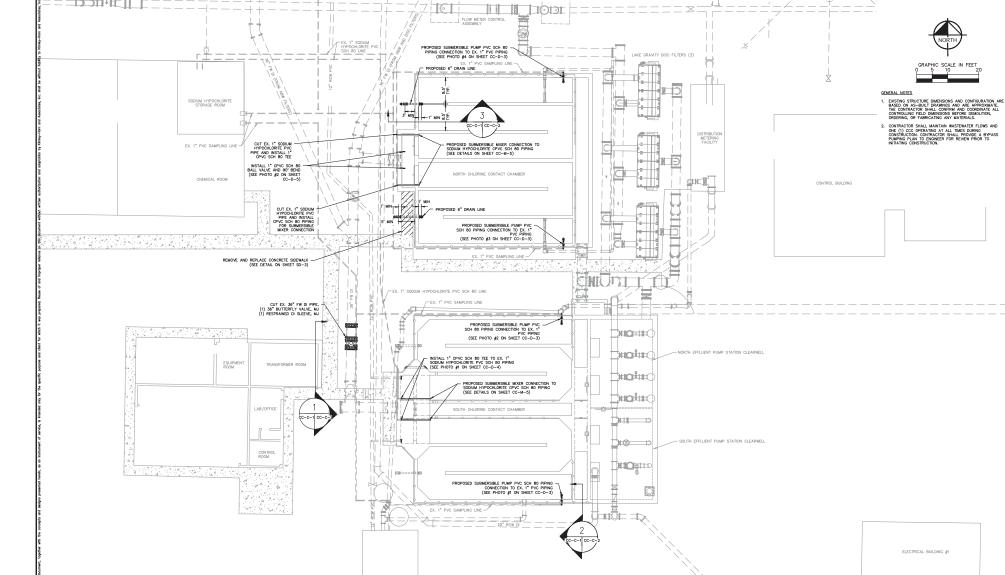












KHA PROJECT 148400021

DATE 1/7/2019

SCALE AS SHOWN

DESIGNED BY WWW

DRAWN BY KEG

CHECKED BY WEW MANATEE COUNTY

0.5

NORTH WRF HEADWORKS, CLARIFIERS

AND CCC IMPROVEMENTS

Kimley **»Horn**

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100 2ND AVENUE SOUTH, SUITE 105–N, ST. PETERSBURG, FL 33701 PHONE: 727–547–3999 WWW.KIMLEY-HORN.COM CA 00000696

REVISIONS

DATE BY

LICENSED PROFESSIONAL

FL DATE:

Wood Dys DN: ODys Exwards, wood @ka Co: Konley-Hom & Inc - CN-William D-INUMEE 03.04 (

CCC SITE PIPING PLAN

SHEET NUMBER

CC-C-1

