



David McAgy
Station Manager
Crystal River Energy Complex
Units 4 and 5

July 16, 2025

Ms. Cindy Mulkey
Florida Department of Environmental Protection
Deputy Director, Water Resource Management
Siting Coordination Office (SCO)
2600 Blair Stone Road, MS 3500
Tallahassee, FL 32399-2400

Subject: Duke Energy Florida, LLC
Crystal River Energy Complex, Units 4 and 5
Conditions of Certification PA 77-09U
Amendment Request - Demolition of two domestic wastewater lift stations
Submittal of IWW Permit Renewal Application

Dear Ms. Mulkey:

Duke Energy Florida (DEF) is requesting an amendment to the site certification to allow for the abandonment of two obsolete domestic wastewater lift stations that serve buildings that are scheduled for demolition. One of the lift stations serves an abandoned guard shack, and the other serves a building referred to as Lab, Training, Maintenance Building (CN 77), see attached map and drawings. These lift stations do not serve any other buildings onsite and are piped to the domestic wastewater treatment plant.

As part of the lift station demolition process, all pumps, motors, valves, and controls will be removed. All materials in the lift stations will be removed and hauled by a licensed septic company to an approved facility for proper disposal. The connections to the main force will be properly capped and sealed. The lift stations will be cleaned prior to demolition. CN 77 lift station is approximately 15 feet deep and will be punctured and filled with flowable fill to abandon in place. The guard shack lift station is about 4 feet deep and will be removed and the area backfilled with dirt. Underground piping will remain but will be evacuated and capped at the lift stations.

Should you have any questions regarding this submittal, please contact Rachel McGraw at (727) 820-5053, or vial email Rachel.McGraw@duke-energy. Please copy Ms. McGraw on all correspondence related to this renewal submittal.

Sincerely,

A handwritten signature in black ink, appearing to read "DMcA", with a long horizontal line extending to the right.

David McAgy
General Manager III – RRE Generation

DM/rm
Enclosures

Crystal River Energy Complex Lift Station Demolition Map

Legend

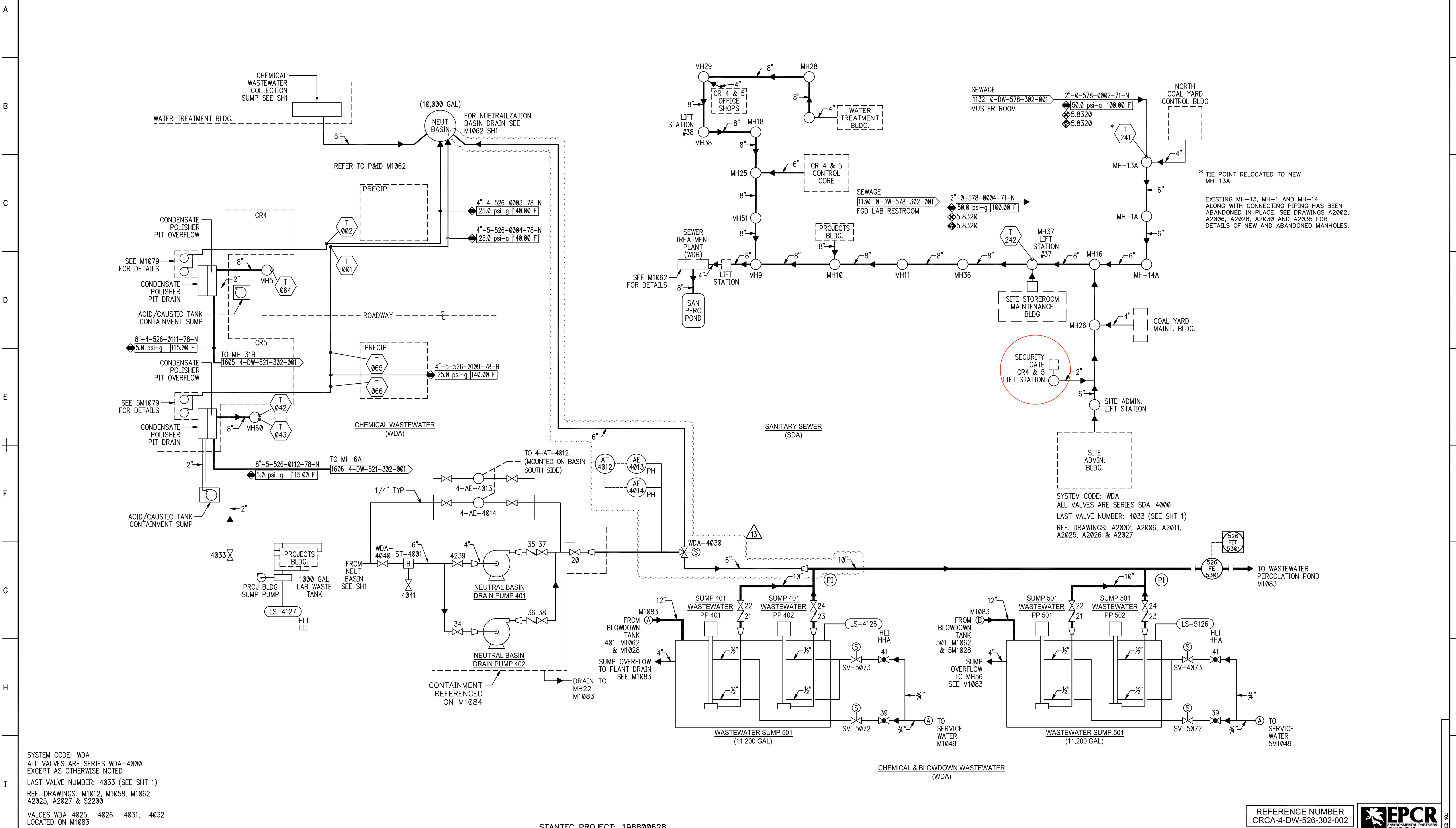
- CN 77 Building
- CN 77 Lift Station
- Domestic Wastewater treatment plan
- Guard shack
- Guard Shack Lift Station

Domestic Wastewater treatment plan

CN 77 Building

CN 77 Lift Station

Guard Shack Lift Station



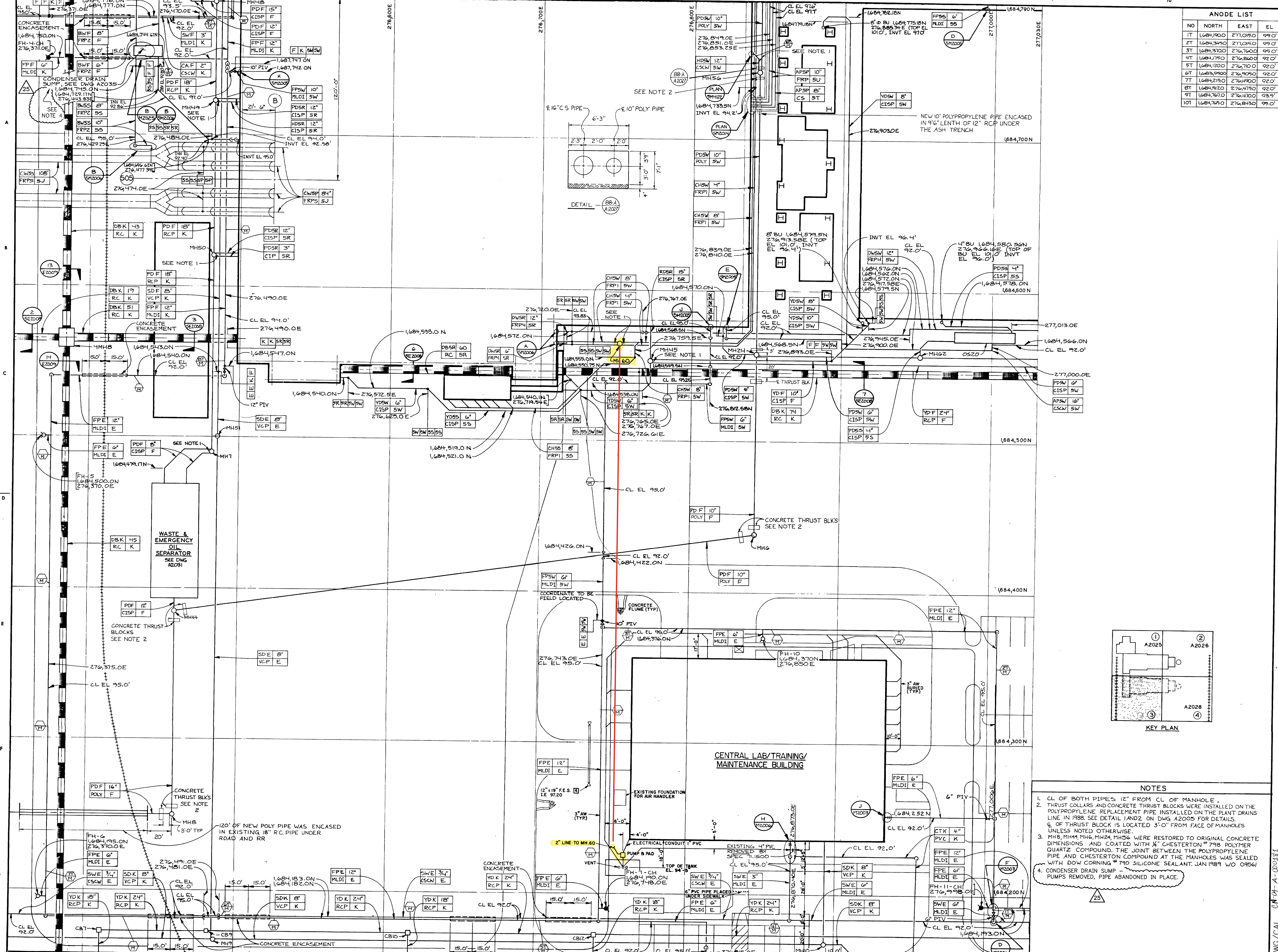
SYSTEM CODE: WDA
ALL VALVES ARE SERIES WDA-4000
EXCEPT AS OTHERWISE NOTED
LAST VALVE NUMBER: 4033 (SEE SHT 1)
REF. DRAWINGS: M1012, M1058, M1062
A2025, A2027 & S2200
VALCES WDA-4025, -4026, -4031, -4032
LOCATED ON M1083

STANTEC PROJECT: 198800628

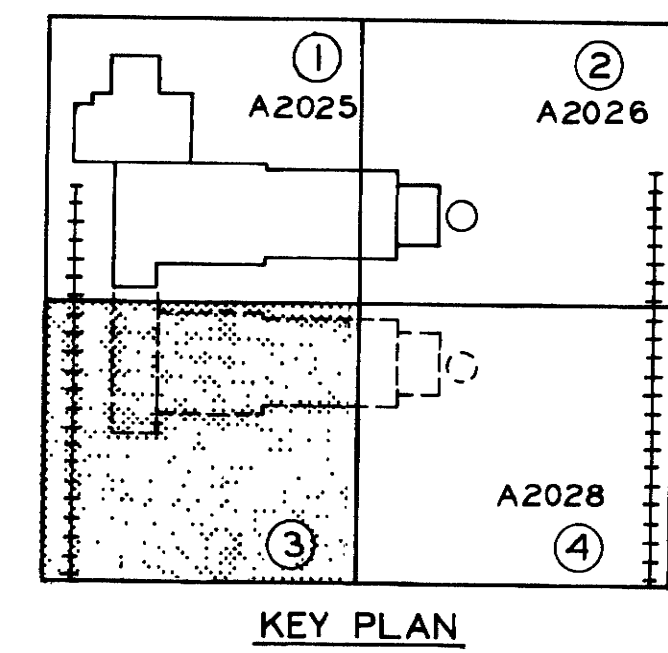
REFERENCE NUMBER
CRCA-4-DW-526-302-002

EPCR
ENVIRONMENTAL PARTNERS
CRYSTAL RIVER

NOTES: 1. FOR GENERAL NOTES, ABBREVIATIONS AND SYMBOLS SEE DRAWINGS CRCA-0-DW-012-302-001, 002, 003, 004, 005, 006, AND 007. 2. SYSTEM CODE FOR VALVES AND PIPING SPECIALTIES ARE THE SAME AS THE ASSOCIATED PIPE DESIGNATION. 3. ALL EQUIPMENT, VALVES AND SPECIALTY ITEM TAG NUMBERS INSTALLED BY EPOR (ENVIRONMENTAL PARTNERS CRYSTAL RIVER) ARE PREFIXED WITH "CRCA-X-EQ-" UNLESS OTHERWISE NOTED. (X=UNIT NUMBER)				13	FINAL REVISION PER CC #CRN-02311	DNG	JML	GLR	7/20/18	CONTRACTOR/VENDOR INFORMATION BLACK & VEATCH THE ABOVE IS RESERVED FOR VENDOR'S LOGO, NAME, ADDRESS, TELEPHONE NUMBER AND ANY REQUIRED REFERENCE NUMBERS. ALL DRAWINGS TO BE PRODUCED IN AUTOCAD RELEASE 2000 OR LATER.	SEAL THE ABOVE IS RESERVED FOR PROFESSIONAL ENGINEER SEAL AND IS NOT TO BE REPRODUCED OR USED FOR ANY PURPOSE EXCEPT AS SPECIFIED BY DUKE ENERGY FLORIDA REGION, INC.	DUKE ENERGY FLORIDA REGION, INC.			DUKE ENERGY FLORIDA REGION CRYSTAL RIVER NORTH UNIT 4 PIPING AND INSTRUMENT DIAGRAM CHEMICAL, SANITARY & WASTEWATER TREATMENT SYSTEMS SHT OF 002 DWG NO: M1062 REV: 13
	FOSSIL HYDRO OPERATIONS														
	FACILITY: CRN	UNIT: 04	SYSTEM:												
	PROJECT NO:	CC NO:	W.O. NO:												
	SIZE: ARCH-D	SCALE: NONE	PLOT: 1=1												
	TITLE: CRYSTAL RIVER NORTH UNIT 4 PIPING AND INSTRUMENT DIAGRAM CHEMICAL, SANITARY & WASTEWATER TREATMENT SYSTEMS														
	DRAWING REFERENCES														
	DRAWING REVISIONS														
	DWG NO.	REV.	TITLE	REV.	DESCRIPTION	DRAWN	CHKD	APPRVD	DATE						



ANODE LIST			
NO	NORTH	EAST	EL
1T	1,684,900.0	277,019.0	99.0'
2T	1,684,349.0	277,019.0	99.0'
3T	1,684,370.0	276,160.0	99.0'
4T	1,684,175.0	276,860.0	92.0'
5T	1,684,200.0	276,710.0	92.0'
6T	1,684,970.0	276,970.0	92.0'
7T	1,684,219.0	276,490.0	92.0'
8T	1,684,912.0	276,475.0	92.0'
9T	1,684,767.0	276,470.0	93.9'
10T	1,684,765.0	276,843.0	99.0'



- NOTES
- CL. OF BOTH PIPES 12" FROM CL. OF MANHOLE.
 - THRUST COLLARS AND CONCRETE THRUST BLOCKS WERE INSTALLED ON THE POLYPROPYLENE REPLACEMENT PIPE INSTALLED ON THE PLANT DRAIN LINE IN 1988. SEE DETAIL 1 AND 2 ON DWG. A2005 FOR DETAILS.
 - MH8, MH4, MH6, MH24, MH26 WERE RESTORED TO ORIGINAL CONCRETE DIMENSIONS AND COATED WITH 1/4" CHESTERTON #798 POLYMER QUARTZ COMPOUND. THE JOINT BETWEEN THE POLYPROPYLENE PIPE AND CHESTERTON COMPOUND AT THE MANHOLES WAS SEALED WITH DOW CORNING #790 SILICONE SEALANT JAN 1989 W/O 09561.
 - CONDENSER DRAIN SUMP - PUMPS REMOVED, PIPE ABANDONED IN PLACE.

13 10-7-80 GENERAL REVISIONS

25 2/20/81 REVISED PER PLANT REVISION, ADDED NOTE 4

26 2/21/81 REVISED PER SP-87-136

27 2/21/81 AS BUILT PER CRN-88-002

22 2-19-89 CONFORMED TO CONSTRUCTION RECORDS

21 6-4-82 ECN 5467 & GENERAL REVISIONS

20 11-11-81 ECR 5118B

19 10-1-81 ECR'S 5956, 51090 & 5170

18 7-2-81 ECR'S 5782, 153810, 158402, 5944 & GEN REV

TAR BLK/JNF 17 4-20-81 GENERAL REVISIONS, ADDED ECR-5122 & 5782

BLK/LK/JNF 16 2-20-81 GENERAL REVISIONS, ADDED ECR-531

BLK/LK/JNF 15 12-8-80 GENERAL REVISIONS

BLK/LK/JNF 14 12-4-80 GENERAL REVISIONS & ECR-344

BLK/LK/JNF NO DATE REVISIONS

16 12-11-80 GENERAL REVISIONS, ADDED ECR-5122 & 5782

15 12-11-80 GENERAL REVISIONS, ADDED ECR-531

14 12-11-80 GENERAL REVISIONS

13 12-11-80 GENERAL REVISIONS, ADDED ECR-5122 & 5782

12 12-11-80 GENERAL REVISIONS, ADDED ECR-531

1. I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF FLORIDA.

SIGNED: [Signature]

DATE: 11/27/78 REG NO. 23744

BLACK & VEATCH CONSULTING ENGINEERS

PROJECT 76 45

FLORIDA POWER CORPORATION

ST. PETERSBURG, FLORIDA

CRYSTAL RIVER PLANT

UNIT NO. 4

UNDERGROUND UTILITIES

CENTRAL PLANT COMPLEX - AREA 3

25

A2027