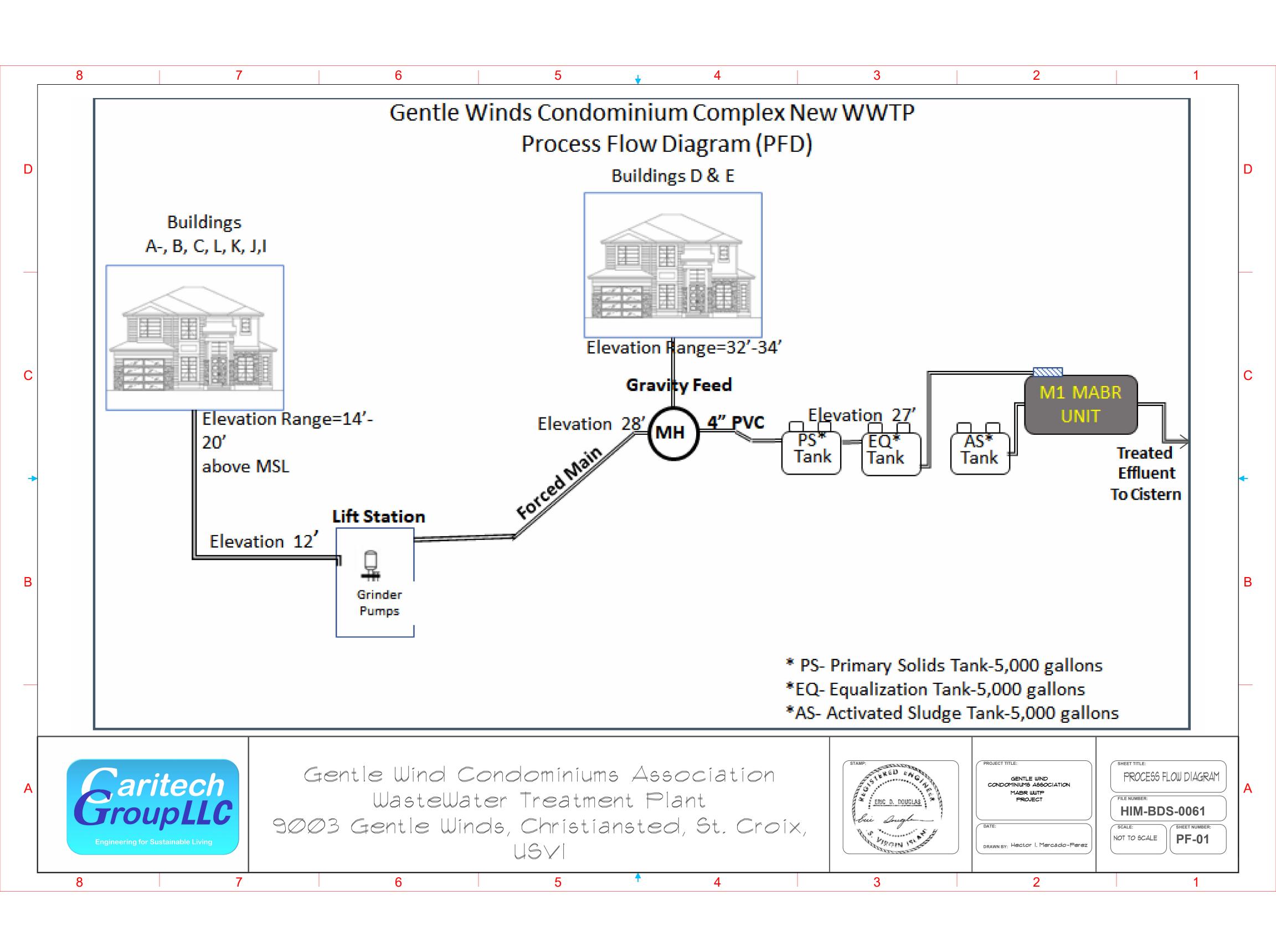
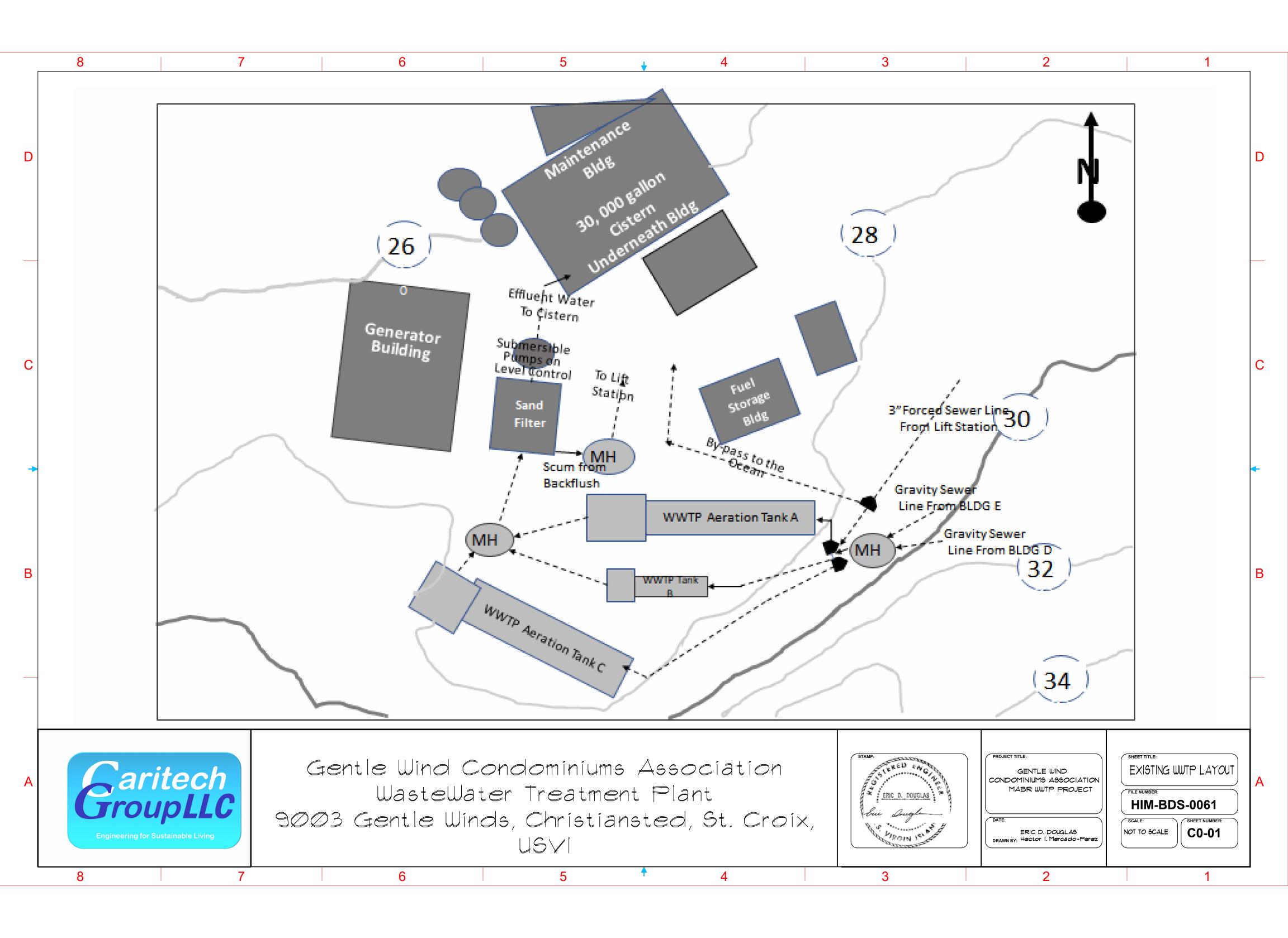
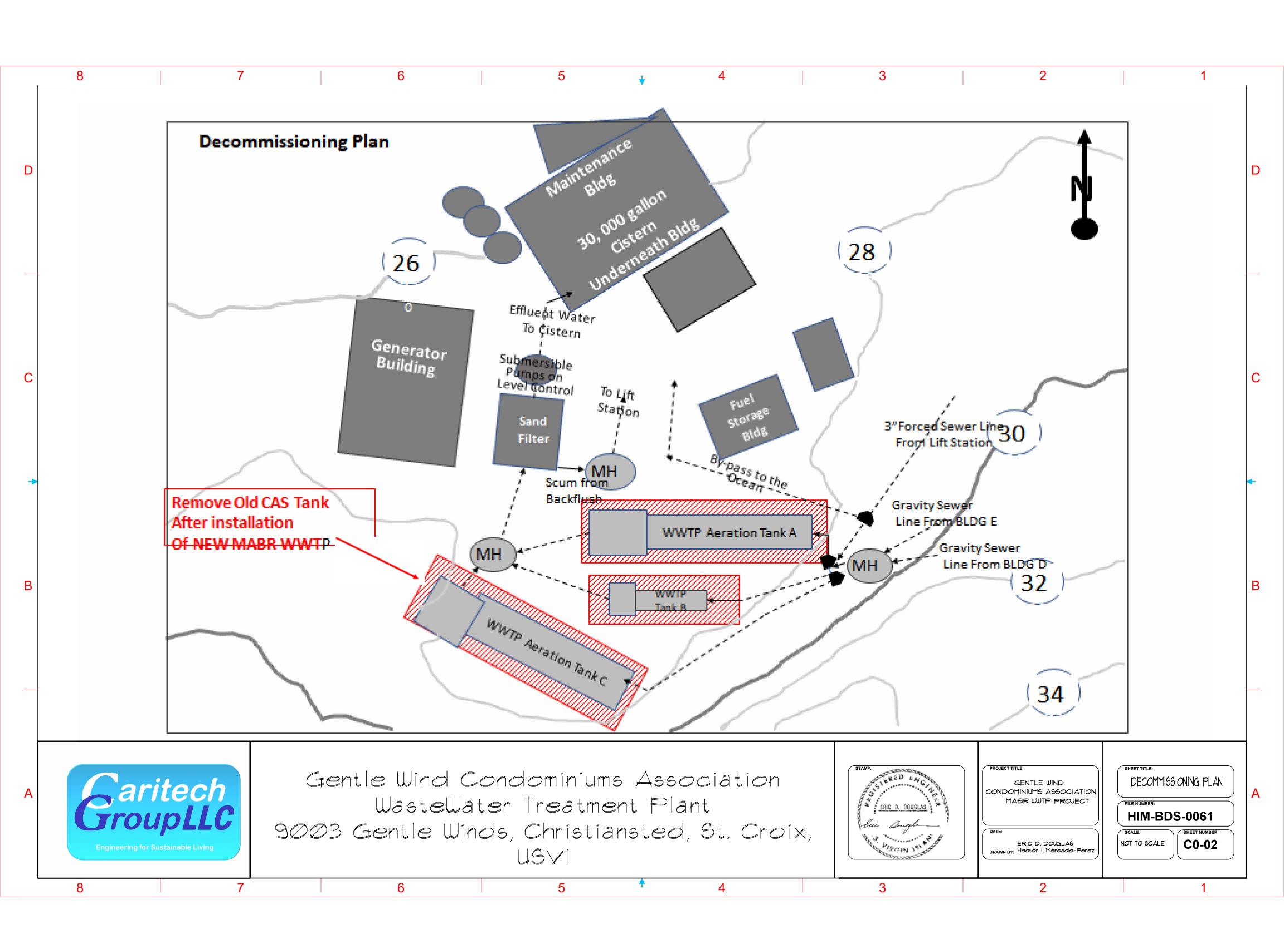
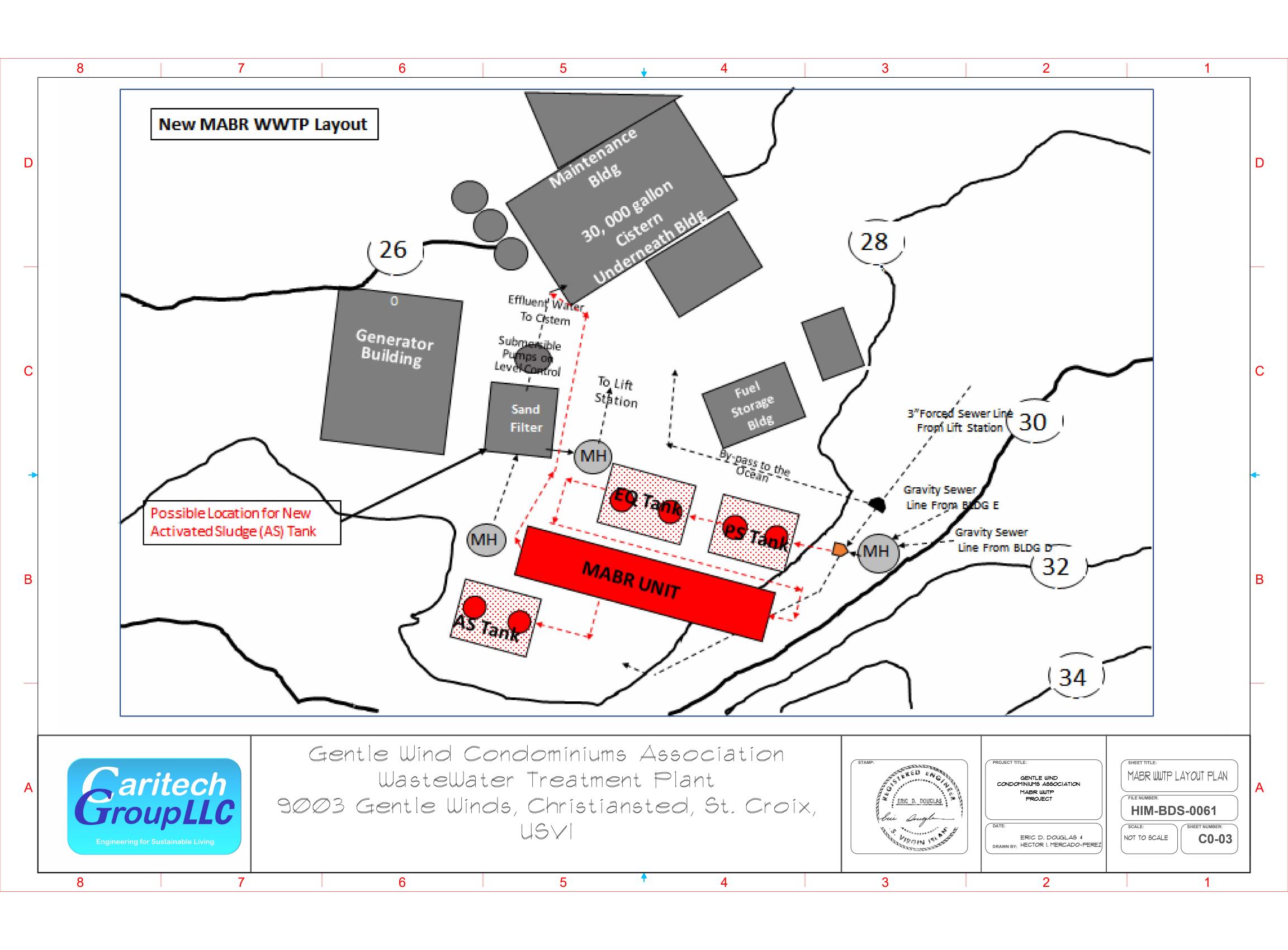


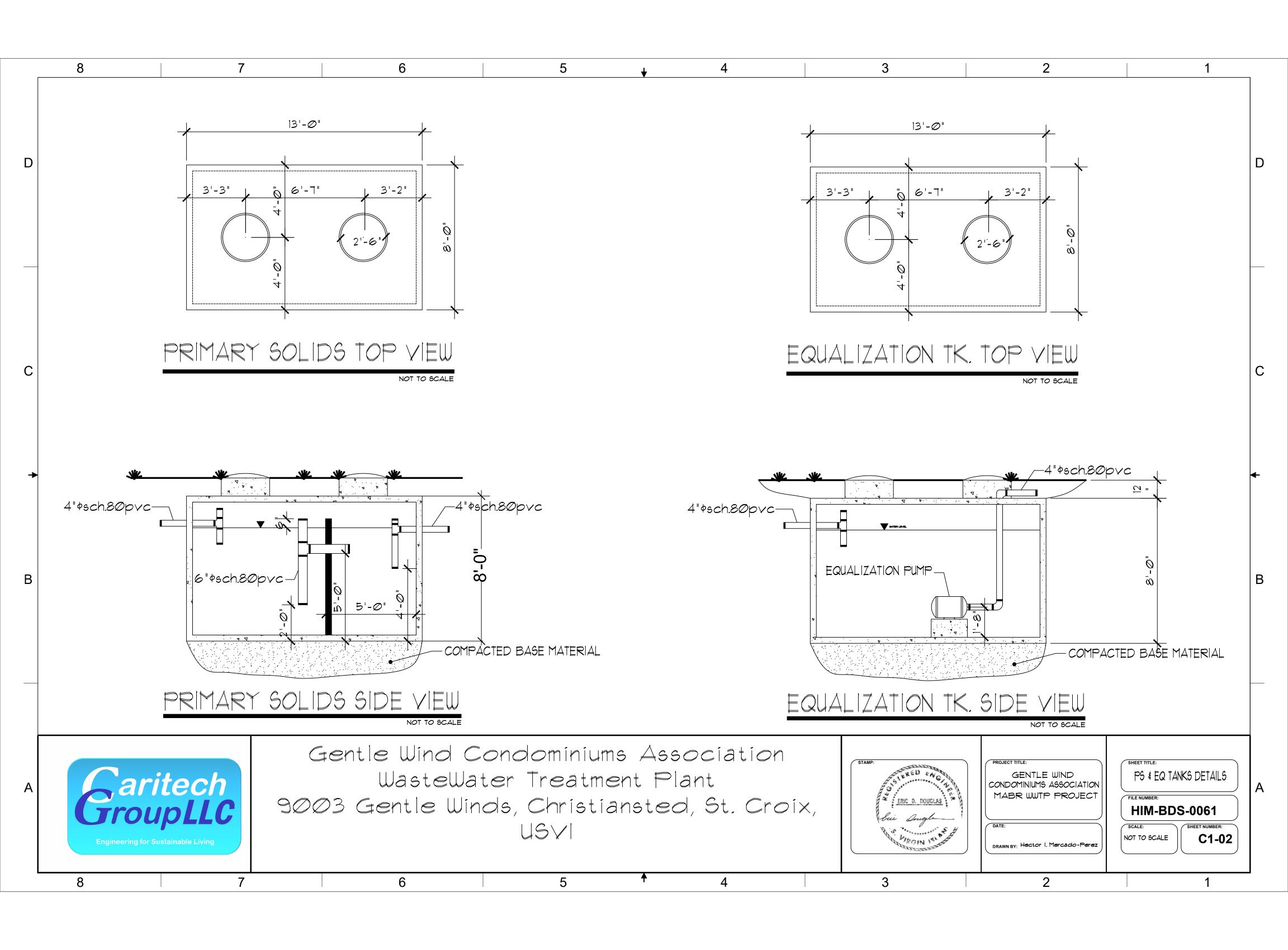
8 6 3 2 5 Gentle Winds WWTP Civil Scope of Work SCOPE OF WORK (CIVIL) PROJECT TEAM GENERAL NOTES DRAWING INDEX The Project involves replacing the existing WWTP PROJECT DEVELOPER TO-01 TITLE SHEET, INDEX with a 20,000 GPD low energy advanced aerobic GENTLE WINDS CONDO ASSOCIATION GN-01 CIVIL SCOPE & GENERAL NOTES 1. PLANS SHALL NOT BE REPRODUCED OR SOLD biological treatment System. The scope of work is WITHOUT 9003 GENTLE WINDS THE WRITTEN CONSENT OF PROJECT ENGINEER as follows: CHRISTIANSTED, ST. CROIX VI 0020 CIVIL DRAWINGS 2. ANY ALTERATIONS TO THE PLANS MUST BE CO-01 EXISTING LAYOUT TEL: 340-778-0540 NOTIFY TO THE ORIGINAL DESIGNER.. CO-02 DECOMMISSIONING PLAN 1. Decommission 5,000 gallons and 10,000 3. THE BUILDER INVOLVED SHALL BE RESPONSIBLE CO-03 NEW WWTP LAYOUT PLAN SITE GENERAL MANAGER gallons aeration/sludge tanks to make C1-02 PRIMARY SOLIDS TANK DETAILS VERIFYING ALL GRADES, LEVELS, DIMENSIONS AND KEVIN RYAN space for the new WWTP C1-02 EQUALIZATION TANK DETAILS CONDITIONS SHOWN ON THESE DRAWINGS BEFORE TEL: 340-778-0540 2. Construction of a 42' x 10' concrete pad COMMENCEMENT OF CONSTRUCTION. THE BUILDER C2-01 MABR CONCRETE PAD DETAILS SHALL C2-02 MABR UNIT ISOMETRIC DETAILS for the 40' x 8' container housing the REPORT ANY CONFLICTS, OMISSIONS OR ERRORS PROJECT ENGINEER C2-03 MABR UNIT INTERFACE DETAILS new MABR unit. TO THE ERIC DOUGLAS, PE C2-04 MABR UNIT INTERFACE DETAILS 3. Installation of solids, equalization and DESIGNER BEFORE PROCEEDING WITH THE WORK. 125 COTTON VALLEY C2-05 MABR UNIT HYDRAULIC PROFILE 4. ALL CONSTRUCTION SHALL CONFORM TO THE activated sludge tanks, each with a 2021 (IBC) INTERNATIONAL BUILDING CODE CHRISTINASTED, ST. CROIX VI 00820 capacity of 5,000 gallons 2021 (IRC) INTERNATIONAL RESIDENTIAL CODE TEL: 340-690-9533 4. Connection of new WWTP to existing 2020 (NEC) NATIONAL ELECTRICAL CODES * 2021 (UPC) UNIFORM PLUMBING CODES wastewater feed & distribution system UNLESS MORE STRINGENT REQUIREMENTS and commissioning ARE REQUIRED IN THE PLANS AND SPECIFICATIONS 5.Connection of WWTP to new electrical power supply 6. Decommissioning of 20,000 gallons aeration/sludge tank and sand filter system Gentle Wind Condominiums Association **GENERAL NOTES** GroupLLC GENTLE WIND CONDOMINIUMS ASSOCIATION WasteWater Treatment Plant MABR WUTP PROJECT **HIM-BDS-0061** 9003 Gentle Winds, Christiansted, St. Croix, NOT TO SCALE ERIC D. DOUGLAS **GN-01** DRAWN BY: Hector I. Mercado-Perez 45/ 8 6 3 2

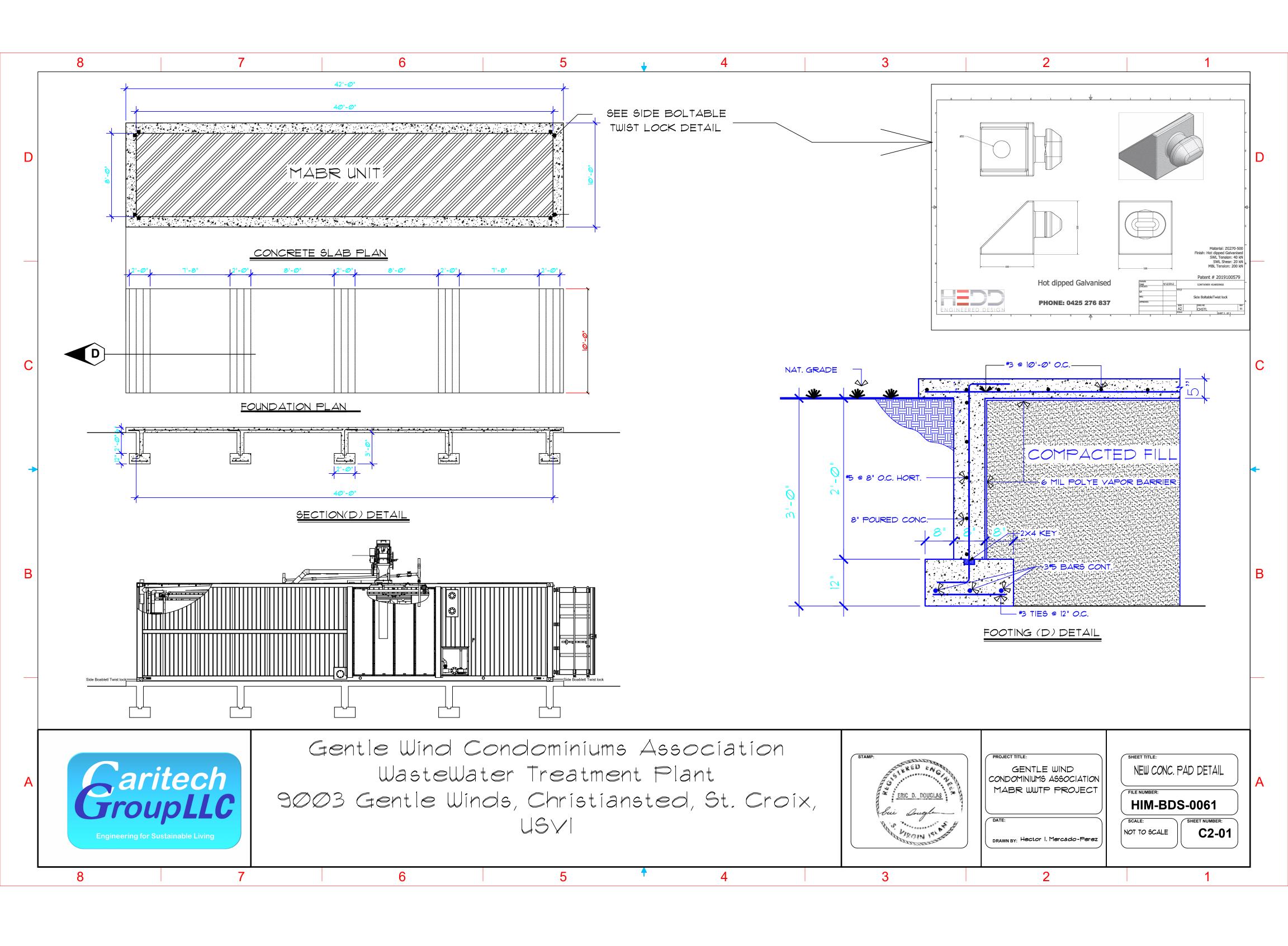


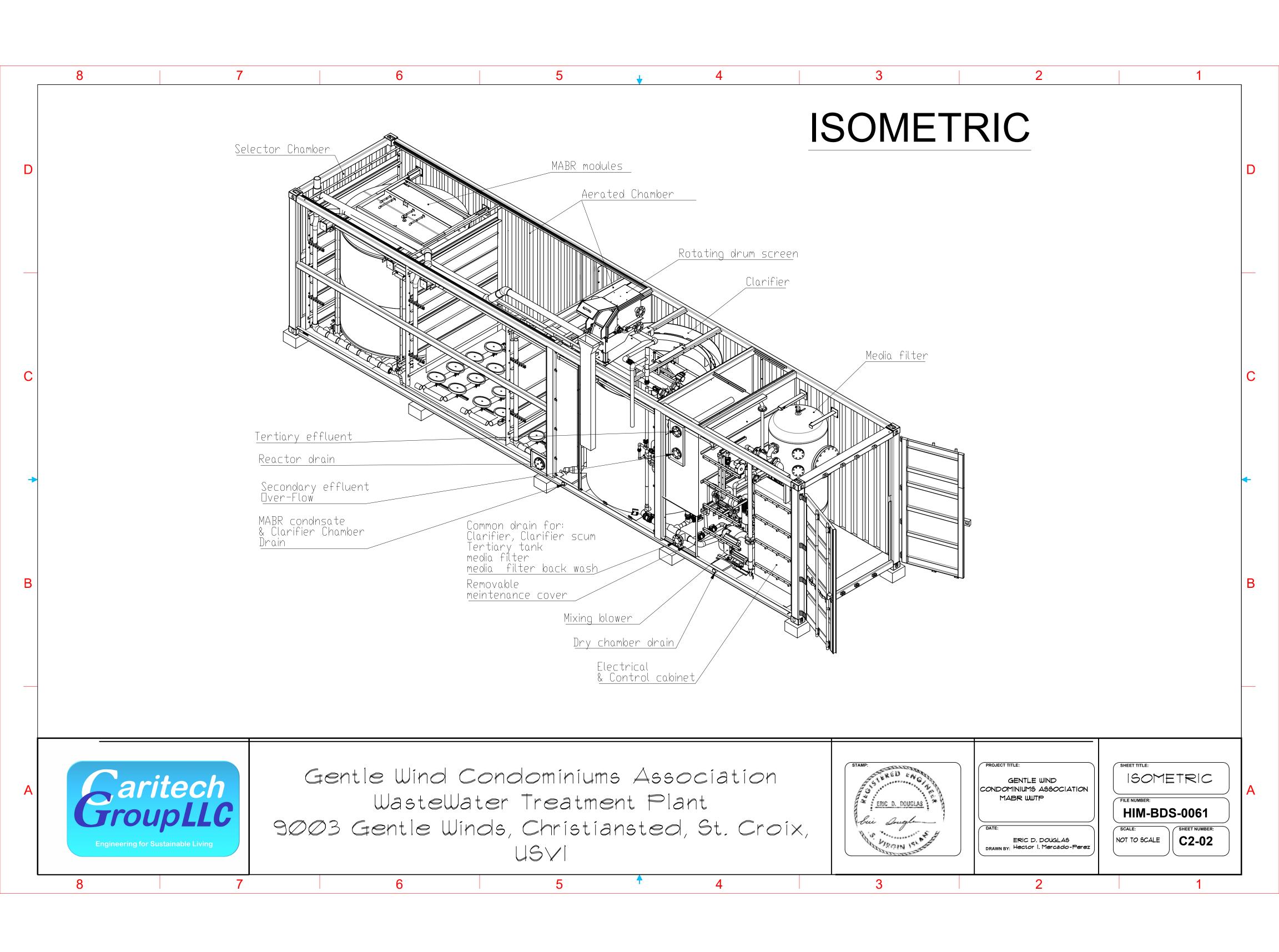


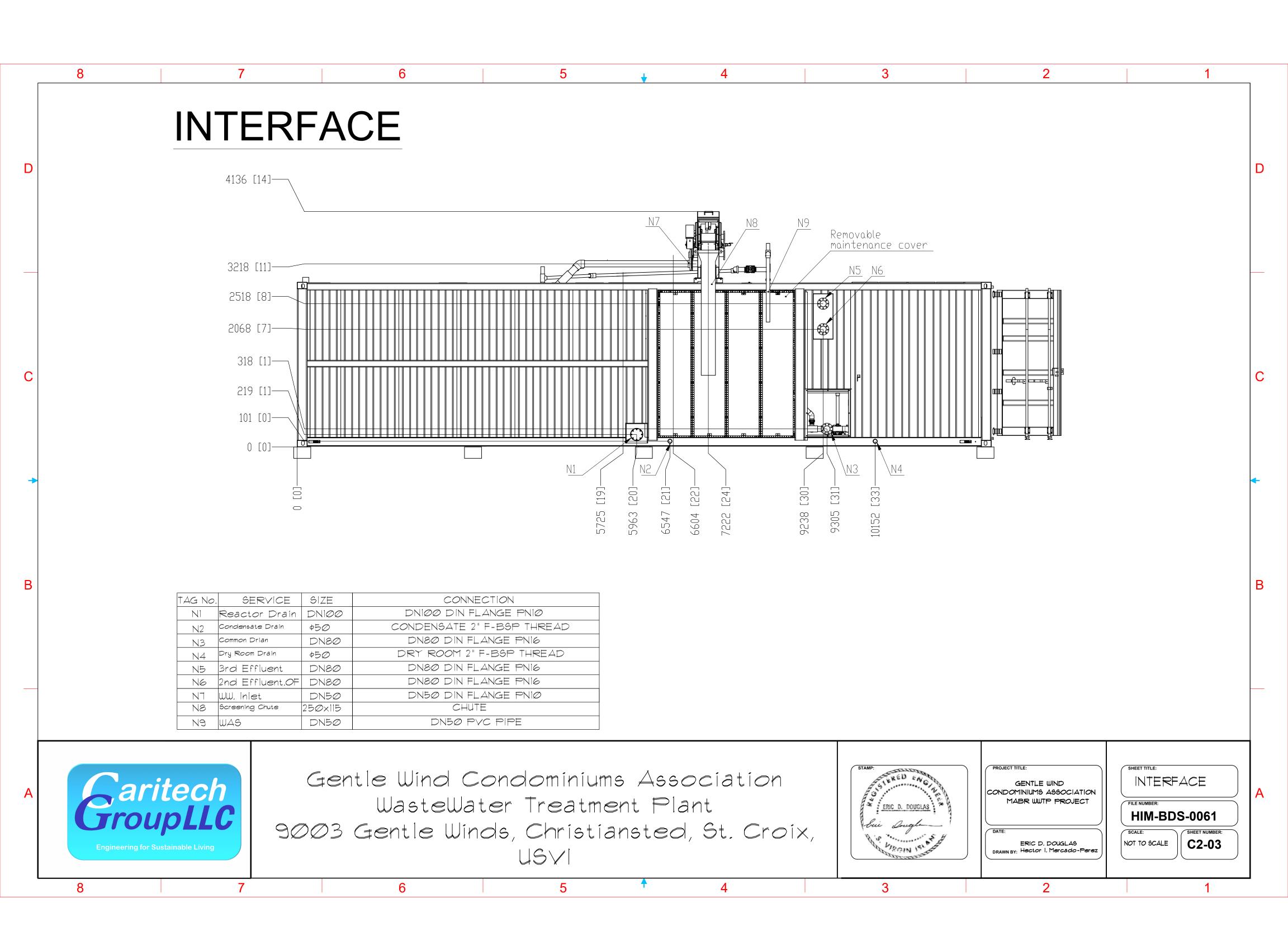


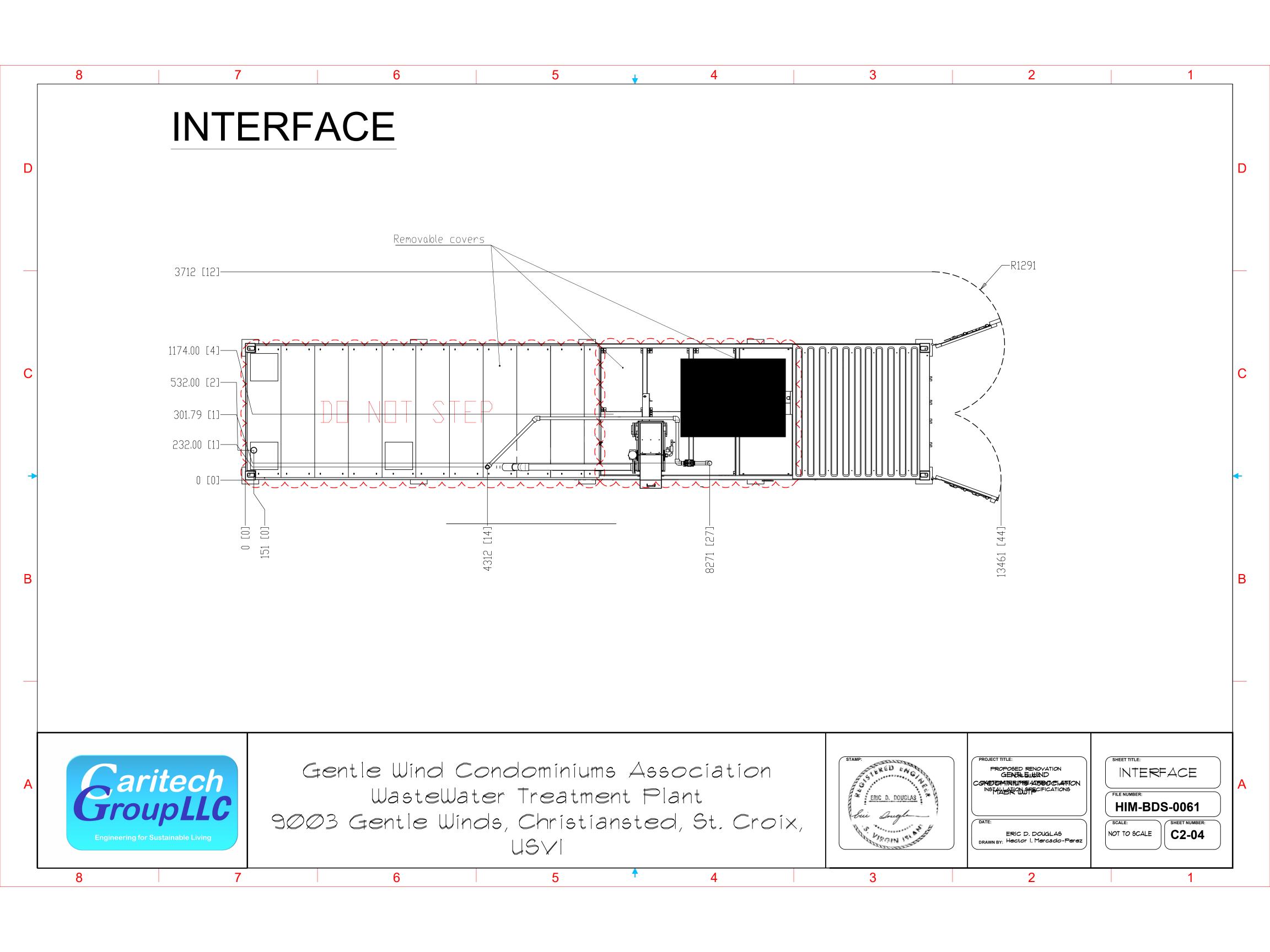


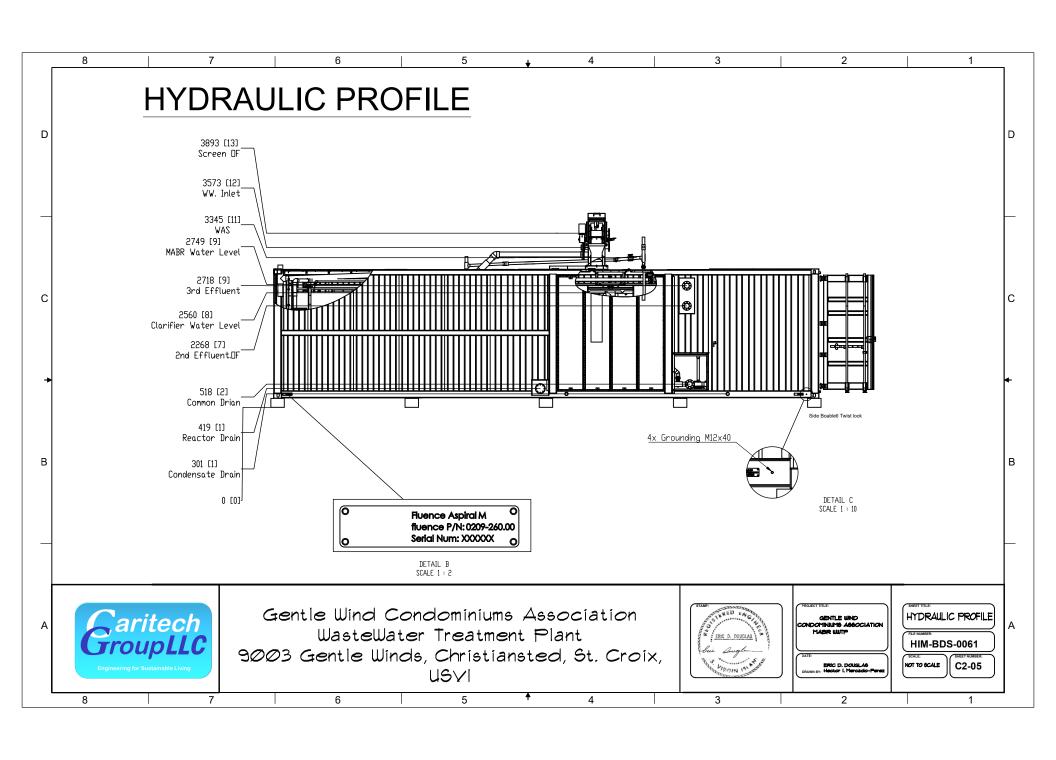












GWCA WWTP ELECTRICAL SCOPE

SCOPE OF WORK

THIS PROJECT INVOLVES PROVIDING A SERVICE ENTRANCE FOR THE NEW WASTE WATER TREATMENT PLANT AND PREPARES THE SITE FOR A FUTURE LARGER UPGRADE FOR THE ENTIRE PROPERTY: THE WORK IS AS FOLLOWS:

- 1. PROVIDE AN ELECTRICAL DRAWING PACKAGE FOR PERMITTING AND CONSTRUCTION PURPOSES.
- 2. ELECTRICAL CONTRACTOR TO PROVIDE AN ELECTRICAL PERMIT AS REQUIRED BY DPNR AFTER CZM PERMIT IS APPROVED.
- 3. INSTALL A SERVICE ENTRANCE PER AN APPROVED WAPA AND DPNR DRAWING PACKAGE.
- 4. PROVIDE AND INSTALL TRENCH, CONDUIT, AND WIRE PER THE ELECTRICAL DRAWINGS.
- 5. PROVIDE AND INSTALL ALL EQUIPMENT PER THE ELECTRICAL DRAWINGS.
- 6. TEST AND COMMISSION SYSTEM.
- 7. PROVIDE A FINAL ELECTRICAL INSPECTION CERTIFICATE FROM DPNR.

GENERAL NOTES

- 1. ALL WORK TO BE INSTALLED BY A QUALIFIED AND APPROPRIATELY LICENSED CONTRACTOR.
- 2. ELECTRICAL CONTRACTOR SHALL BE FULLY COGNIZANT OF THE LATEST EDITION OF THE NFPA 70 (NEC), INTERNATIONAL BUILDING CODE, AND ALL LOCAL CODES, ORDINANCES OF THE AUTHORITIES HAVING JURISDICTION AND PERFORM ALL WORK IN ACCORDANCE WITH THE INTENT AND REQUIREMENTS OF THESE CODES, ORDINANCES, AND AUTHORITIES.
- 3. MECHANICAL CONTRACTOR SHALL BE FULLY COGNIZANT OF THE LATEST ADOPTED INTERNATIONAL BUILDING CODE AND ANY OTHER APPROPRIATE LOCAL CODES, ORDINANCES OF THE AUTHORITY HAVING JURISDICTION.
- 4. PERMISSION TO OPERATE THE SYSTEM IS NOT AUTHORIZED UNTIL FINAL INSPECTIONS AND APPROVALS ARE OBTAINED FROM THE LOCAL AUTHORITY HAVING JURISDICTION AND THE UTILITY PROVIDER.
- 5. ALL EQUIPMENT, MATERIALS, AND WORKMANSHIP SHALL MEET A MINIMUM WIND LOAD OF 165 MPH. ALL CONNECTORS SHALL BE TORQUED PER DEVICE LISTING, MANUFACTURERS INSTALLATION INSTRUCTIONS, OR ENGINEERING RECOMMENDATIONS.
- 6. ALL INSTALLATION MATERIALS INCLUDING, BUT NOT LIMITED TO, FASTENERS SHALL BE CORROSION RESISTANT AND APPROPRIATE FOR SITE CONDITIONS.
- 7. CONTRACTOR IS ADVISED THAT ALL DRAWINGS, INSTRUCTION, AND COMPONENT MANUALS
 ARE TO BE UNDERSTOOD PRIOR TO INSTALLATION. ALL SWITCHES SHALL BE IN THE "OFF"
 POSITION AND FUSES REMOVED PRIOR TO INSTALLATION OF FUSE-BEARING COMPONENTS.

PROJECT TEAM

PROJECT DEVELOPER
GENTLE WINDS CONDO ASSOCIATION
9003 GENTLE WINDS: CHRISTIANSTED
ST. CROIX, VI. 00820
P: 340.778.0540

SITE GENERAL MANAGER KEVIN RYAN 340.227.4717(C) 340.778.0540(O)

ARCHITECT NONE

CIVIL ENGINEER NONE

ELECTRICAL ENGINEER
STEVEN A. GARNER, P.E.
TROPITECH SOLUTIONS
9109 CASTLE COAKLEY
CHRISTIANSTED, VI. 00820
P: 340.201.4412
E: SGARNER@TROPITECH.COM

DRAWING INDEX

	DRAWING NUMBER	DRAWING NAME
	G-01 E0-01	COVER SHEET
	E0-01	GENERAL ELECTRICAL NOTES
l	E0-02	SYSTEM LABELS
	E1-00	SITE PLAN
	E1-01	SITE LAYOUT
	E5-01	SCHEDULES
	E6-01	ONE LINE DIAGRAM
	E6-02	RISER DIAGRAM
	E7-01	TRENCH DETAILS

THESE DRAWINGS ARE PREPARED PER ESTABLISHED INDUSTRY STANDARDS AND REPRESENT THE ENGINEER'S DESIGN CONCEPT. THEY ARE NOT INTENDED TO PROVIDE EVERY DETAIL OR CONDITION REQUIRED FOR CONSTRUCTION. THE CONTRACTOR THROUGH SUBMITTALS AND OTHER COORDINATION EFFORTS IS FULLY RESPONSIBLE FOR PROVIDING A COMPLETE AND OPERATIONAL SYSTEM, WHETHER INDICATED ON THE PLANS OR NOT.

STEVEN A: GARNER 1254E

-- Initial Release 09/13/22

No. Revision/Issue Date

TropTech

9109 Castle Coakley, Suite 9 Christiansted, VI 00840 E: sgarner@tropitech.com

Project Name and Address

GENTLE WINDS WASTE WATER PLANT
9003 GENTLE WINDS

CHRISTIANSTED, ST. CROIX, USVI

COVER SHEET

Area SITE

N.T.S G0-0

PROJECT SITE





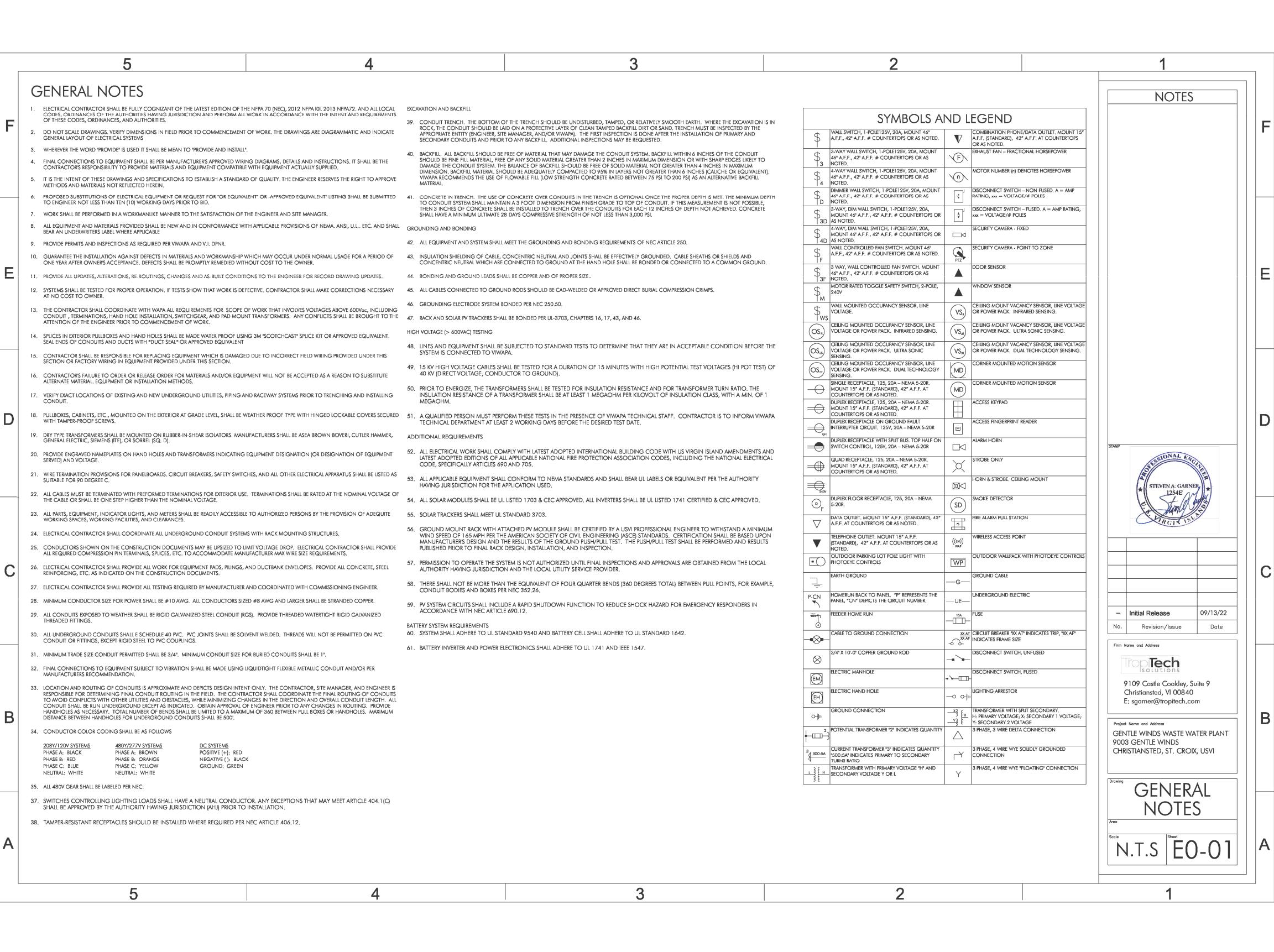
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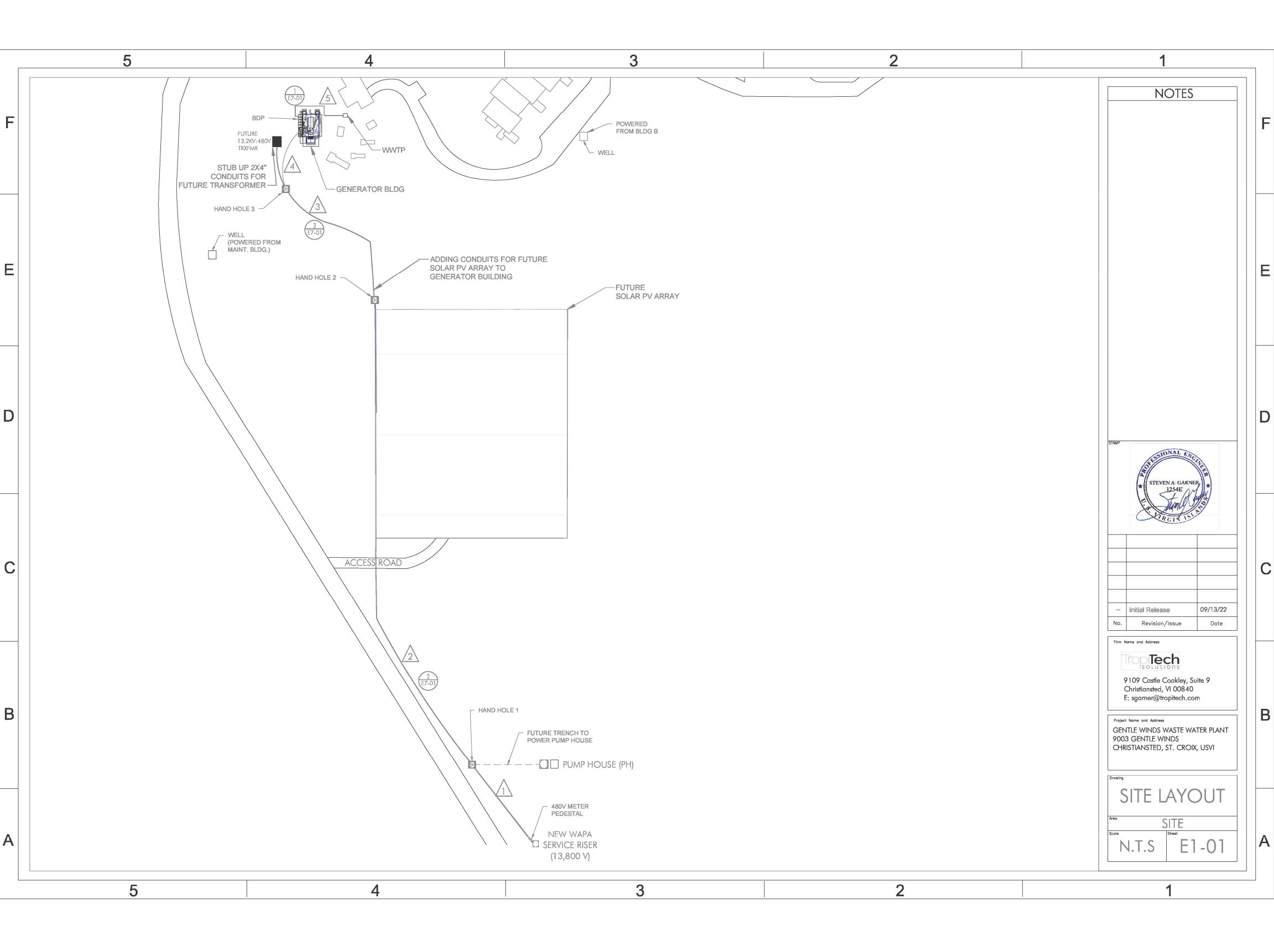
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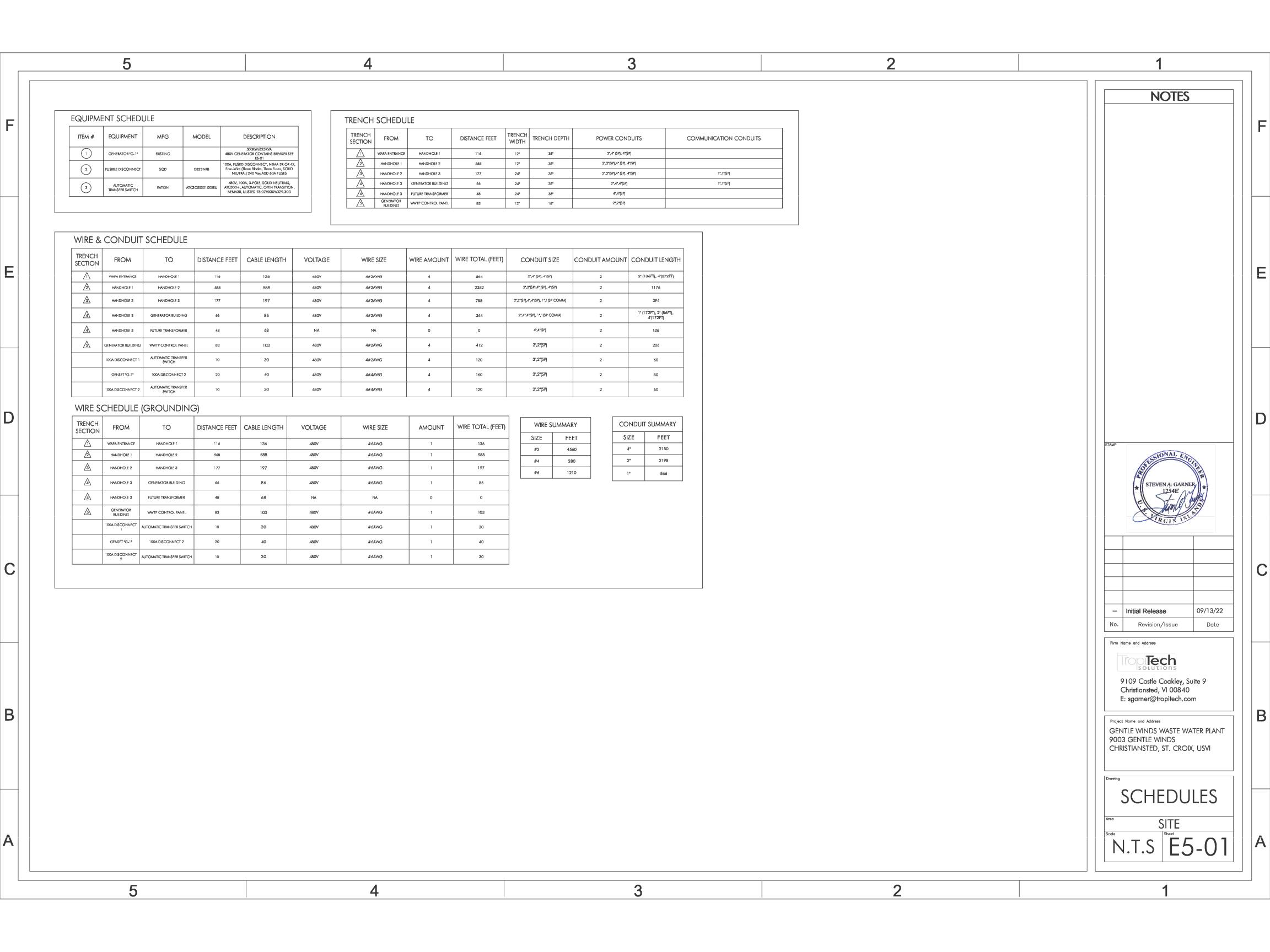
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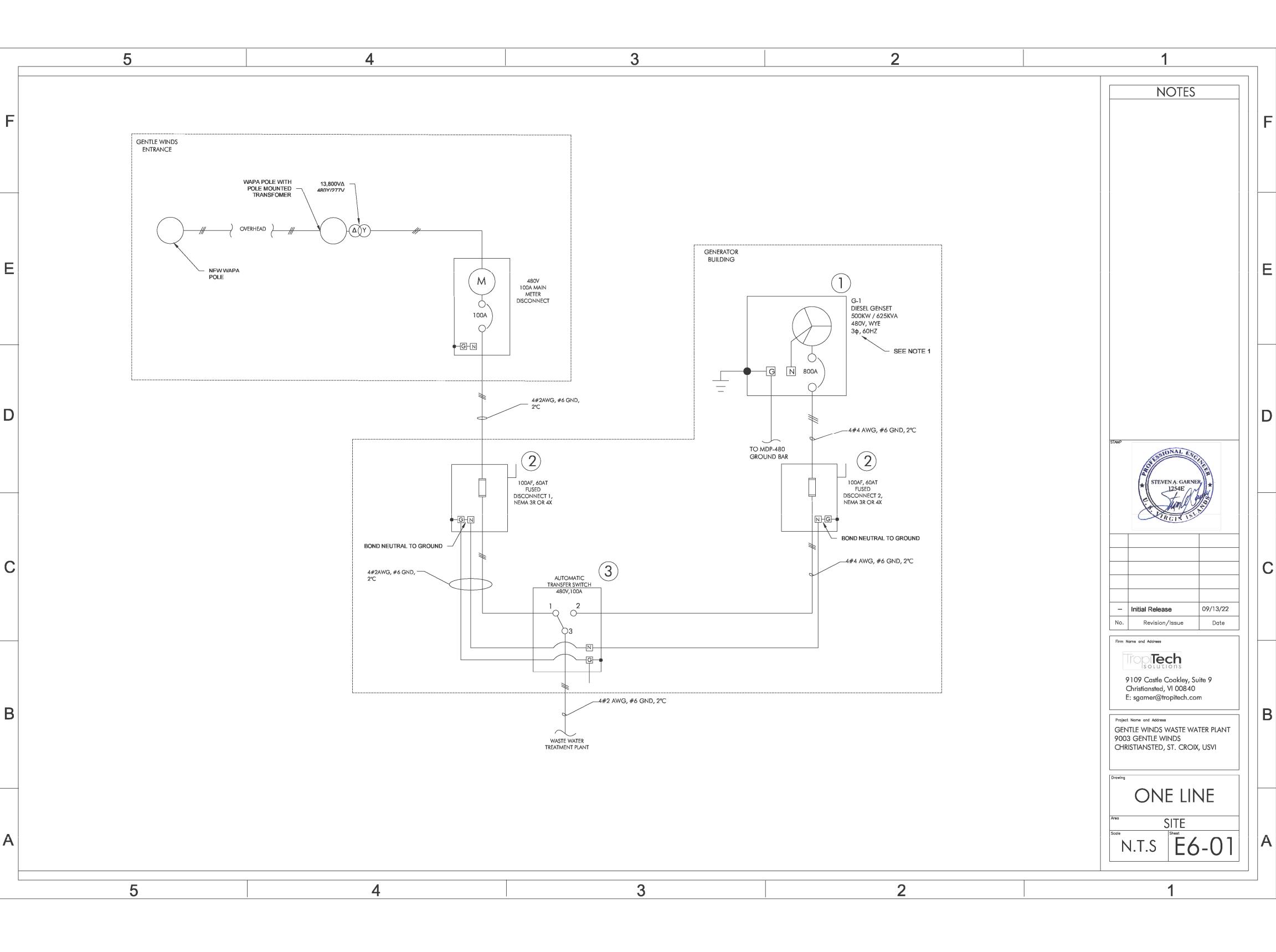
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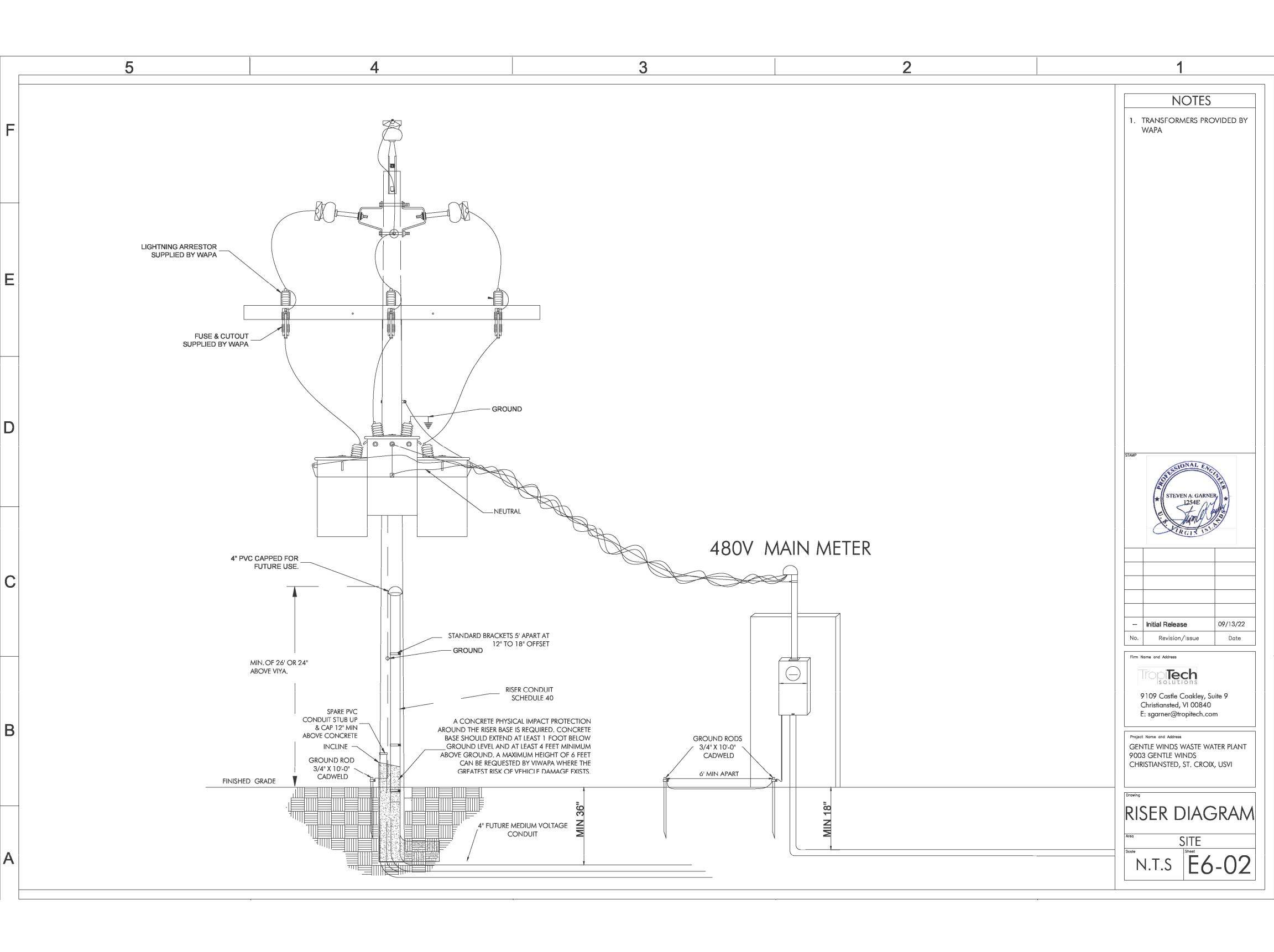
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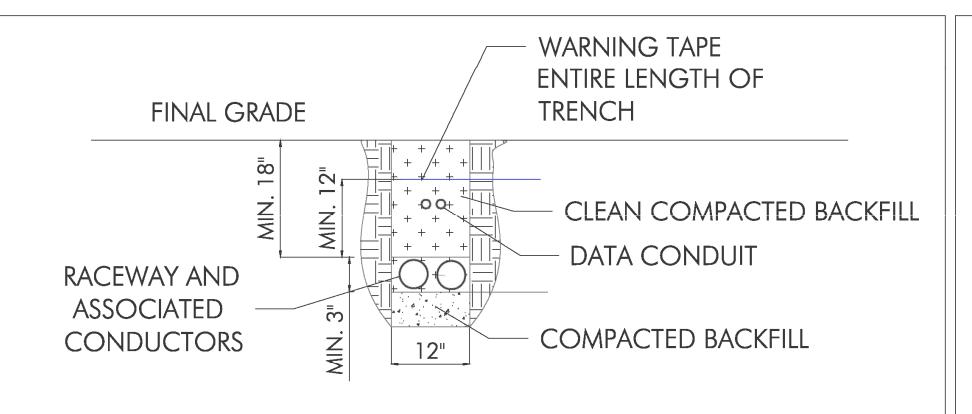












- 1. WARNING TAPE SHALL BE DETECTABLE TYPE FOIL BACKED 4 MIL POLYETHYLENE WITH FADE RESISTANT "BURIED ELECTRIC LINE BELOW" A MINIMUM OF 18 INCHES ABOVE THE BURIED SERVICE. TAPE SHALL BE EQUAL TO T&B NAF-0708.
- 2. THIS DETAIL IS NOT DESIGNED FOR ROADWAY CROSSINGS.

DATA AND 600V (MAX.) 12" WIDE TRENCH DETAIL

WARNING TAPE ENTIRE LENGTH OF TRENCH DATA CONDUIT 120V-600V POWER RACEWAY AND ASSOCIATED

MEDIUM VOLTAGE
RACEWAY AND
ASSOCIATED
CONDUCTORS

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12"

CONDUCTORS

COMPACTED BACKFILL

CLEAN COMPACTED BACKFILL

- 2. THIS DETAIL IS NOT DESIGNED FOR ROADWAY CROSSINGS.
- 3. DEPTH DIMENSIONS ARE MINIMUM REQUIREMENTS. IT IS ACCEPTABLE TO LAY THE 120V-600V CONDUITS ON TOP OF THE MEDIUM VOLTAGE CONDUITS BEFORE BACKFILLING.

BEFORE BACKFILLING.

5

SCALE: NTS

LOW/MEDIUM VOLTAGE 12" WIDE TRENCH DETAIL

FINAL GRADE

FINAL GRADE

TRENCH

DATA

CONDUIT

120V-600V POWER

RACEWAY AND ASSOCIATED

CONDUCTORS

CLEAN COMPACTED BACKFILL

MEDIUM VOLTAGE

RACEWAY AND

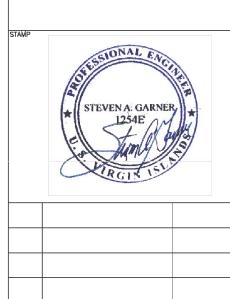
ASSOCIATED

CONDUCTORS

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LOW/MEDIUM VOLTAGE 24" WIDE TRENCH DETAIL

SCALE: NTS



NOTES

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Project Name and Address

GENTLE WINDS WASTE WATER PLANT
9003 GENTLE WINDS

CHRISTIANSTED, ST. CROIX, USVI

TRENCH DETAILS

Area SITE
State Sheet

N.T.S E7-01

2

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