



## CITY OF PANAMA CITY BEACH

May 17, 2023

### ADDENDUM NO. 4

### PCB23-35 ITB Conservation Park Classroom

#### **Bidder Questions and Responses:**

1. Please provide additional information regarding the fiber optic interconnection between the existing and proposed buildings.

**R1.** See attached drawings (U1 – Utility Plan rev. 1 and Existing Site and C-403 Utilities Plans) showing the routing of the interconnection. All conduit is to be ASTM F2160 SDR 11 and installed via direct bury except the section beneath the paved parking lot access road which shall be installed via directional drill per City standard details provided for sewer forcemain crossing. Portions of conduit for building wall and floor penetrations shall be as specified for electrical systems. Pull boxes shall be Quazite Model PG2424BA24 (24 in x 24 in x 36 in deep) or approved equal. Fiber shall be 12 fiber single mode pre-terminated with 15 feet minimum tail extending from end of conduit inside building. All conduit and fiber to be installed by contractor.

### POTABLE WATER - GENERAL NOTES

- CONTRACTOR SHALL COORDINATE INSTALLATION OF POTABLE WATER MAINS WITH ALL OTHER UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
- HYDROSTATIC TESTS, LEAKAGE TESTS, DISINFECTION, AND BACTERIOLOGICAL TESTS SHALL BE PERFORMED IN ACCORDANCE WITH THE WRITTEN CONSTRUCTION SPECIFICATIONS AND ALL APPLICABLE FDEP AND ANWA REQUIREMENTS.
- NO POTABLE WATER MAIN CONSTRUCTION SHALL COMMENCE UNTIL A PRECONSTRUCTION CONFERENCE IS HELD WITH THE CITY OF PANAMA CITY BEACH.
- PROVIDE LOCKS, IN ACCORDANCE WITH THE WRITTEN CONSTRUCTION SPECIFICATIONS OF THE CITY OF PANAMA CITY BEACH, ON ALL CURB STOPS.
- CONTRACTOR SHALL NOTIFY THE CITY OF PANAMA CITY BEACH 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. UTILITY REPRESENTATIVES WILL PERFORM ALL TAPS OF EXISTING LINES AND MUST WITNESS ALL TIES AND TESTS OF NEW LINES.
- CONTRACTOR SHALL INSTALL NUMBER 12 WIRE AROUND ALL PIPE AND SERVICES. CONTRACTOR MUST PROVIDE ENOUGH WIRE TO EXTEND TWO FEET ABOVE GROUND AT ALL VALVE AND METER BOXES.
- IT IS REQUIRED THAT ALL NEW AND RELOCATED WATER SERVICES AND PLUMBING SHALL BE IN CONFORMANCE WITH STATE AND FEDERAL REGULATIONS PERTAINING TO THE CONTROL OF LEAD AND COPPER.
- CONTRACTOR SHALL PROVIDE A PRECAST CONCRETE METER BOX WITH A CAST IRON LID AT THE CURB STOP OF ALL WATER SERVICES AS SHOWN IN THE TYPICAL WATER METER INSTALLATION DETAIL. MATERIALS SHALL BE IN ACCORDANCE WITH THE WRITTEN SPECIFICATIONS OF REGIONAL UTILITIES. METER IS TO BE SET BY THE CITY OF PANAMA CITY BEACH.
- CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS IN ACCORDANCE WITH THE CITY OF PANAMA CITY BEACH SPECIFICATIONS.
- THE LOCATION OF ALL WATER SERVICE STUBS ARE TO BE MARKED BY THE LETTER "W" SCRIBED A MINIMUM OF 2" HIGH AND 1/4" DEEP IN CURB. IF NO CURBING IS INSTALLED A 3" SQUARE STEEL TAG INSCRIBED WITH A 2" LETTER "W" IS TO BE ATTACHED TO THE STREET PAVEMENT.
- A 4" WATER BALL MARKER, AS MANUFACTURED BY 3M PART NO. 1403, SHALL BE PLACED AT ALL INLINE VALVES ALONG WATER MAIN AND AT ALL METER BOX LOCATIONS.
- ALL MECHANICAL JOINTS SHALL USE MEGA-LUG RESTRAINT TYPE RETAINING GLANDS.
- MINIMUM SEPARATION BETWEEN WATER OR SEWER AND ELECTRICAL CONDUITS OR ELECTRICAL LINES SHALL BE 72" MINIMUM HORIZONTAL & 18" VERTICAL WITH ELECTRICAL BEING BELOW THE WATER AND SEWER LINES. IN CASES WHERE 18" VERTICAL SEPARATION CANNOT BE MET, 96" OF HORIZONTAL SEPARATION SHALL BE REQUIRED.
- CONTRACTOR SHALL FOLLOW UTILITY SPECIFICATIONS AND SHOULD CONFLICT BETWEEN THESE NOTES AND SPECIFICATIONS ARISE, THE MOST STRINGENT REQUIREMENTS AS DETERMINED BY THE ENGINEER SHALL GOVERN.

### SANITARY SEWER GENERAL NOTES

- CONTRACTOR SHALL COORDINATE INSTALLATION OF SANITARY SEWERS WITH ALL OTHER UTILITIES PRIOR TO COMMENCING CONSTRUCTION.
- TELEVISION INSPECTION IS REQUIRED FOR ALL GRAVITY SEWERS. A VIDEO TAPE AND FULL REPORT SHALL BE SUBMITTED TO THE CITY OF PANAMA CITY BEACH FOR REVIEW AND APPROVAL UPON COMPLETION. TELEVISION INSPECTION SHALL BE DONE BY THE CONTRACTOR.
- NO SANITARY SEWER CONSTRUCTION SHALL COMMENCE UNTIL SHOP DRAWING SUBMITTALS HAVE BEEN APPROVED.
- A PRE CONSTRUCTION CONFERENCE IS REQUIRED PRIOR TO THE START OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES 48 HRS PRIOR TO COMMENCEMENT OF CONSTRUCTION. UTILITY CO. REPRESENTATIVES MUST WITNESS ALL TIES TO EXISTING LINES AND TESTS OF NEW LINES.
- CONTRACTOR SHALL PROVIDE AS-BUILT DRAWINGS IN ACCORDANCE WITH THE CITY OF PANAMA CITY BEACH SPECIFICATIONS.
- LOCATOR BALLS AS MANUFACTURED BY 3M PART NO. 1404 TO BE PLACED ON NORTH SIDE OF ALL MANHOLES NOT WITHIN PAVED AREAS. MANHOLES OUTSIDE OF PAVED AREAS SHALL BE CONSTRUCTED WITH TOP 6" ABOVE GRADE.
- LOCATOR BALLS AS MANUFACTURED BY 3M PART NO. 1404 REQUIRED AT ALL FORCE MAIN VALVE LOCATIONS.
- ALL FORCE MAINS SHALL HAVE 12 GAUGE TRACER WIRE RAAPPED ON THEM WITH TWO (2) FEET OF EXTRA WIRE AT ALL VALVE BOXES.
- ALL GRAVITY SEWER SHALL BE VISUALLY INSPECTED (I.E. LAMPED) BY OWNER PRIOR TO FINAL ACCEPTANCE.
- ALL MECHANICAL JOINT CONNECTIONS SHALL BE RESTRAINED USING MEGA-LUG TYPE RESTRAINTS OR APPROVED EQUAL.
- MIN. SERVICE SLOPE: 4" = 1/4" PER FOOT, 6" = 1/8" PER FOOT.
- USE 4" SERVICES FOR ALL SINGLE FAMILY HOME CONNECTIONS. USE 6" SERVICES FOR MULTI FAMILY AND COMMERCIAL CONNECTIONS.
- INSTALL 12 GAUGE LOCATOR WIRE AROUND ALL SERVICES AND MAINS.
- A 4" BALL MARKER AS MANUFACTURED BY 3M PART NO. 1404 SHALL BE PLACED ABOVE AND AT THE END OF ALL SEWER LATERALS.
- LOCATIONS OF SERVICE STUB TO BE MARKED BY THE LETTER "S" SCRIBED A MINIMUM OF 2" HIGH & 1/4" DEEP IN CURB.
- IF NO CURBING IS INSTALLED A 3" SQUARE STEEL TAG INSCRIBED WITH A 2" LETTER "S" IS TO BE ATTACHED TO STREET PAVEMENT.
- EXTEND SERVICE CONNECTION A SUFFICIENT DISTANCE BEYOND CLEAN-OUT TO ALLOW FOR FUTURE CONNECTION TO THE STUB OUT WITHOUT UNDERMINING THE CLEAN-OUT ASSEMBLY.
- SERVICE TRENCHING TO CONFORM TO CITY/COUNTY STANDARDS FOR PIPE INSTALLATION.
- USE HYDRAULIC CEMENT GROUT TO SEAL INTERIOR AND EXTERIOR OF ALL PRECAST MANHOLE JOINTS.
- CONTRACTOR SHALL FOLLOW UTILITY SPECIFICATIONS AND SHOULD CONFLICT BETWEEN THESE NOTES AND SPECIFICATIONS ARISE, THE MOST STRINGENT REQUIREMENTS AS DETERMINED BY THE ENGINEER SHALL GOVERN.

### GENERAL UTILITY NOTES

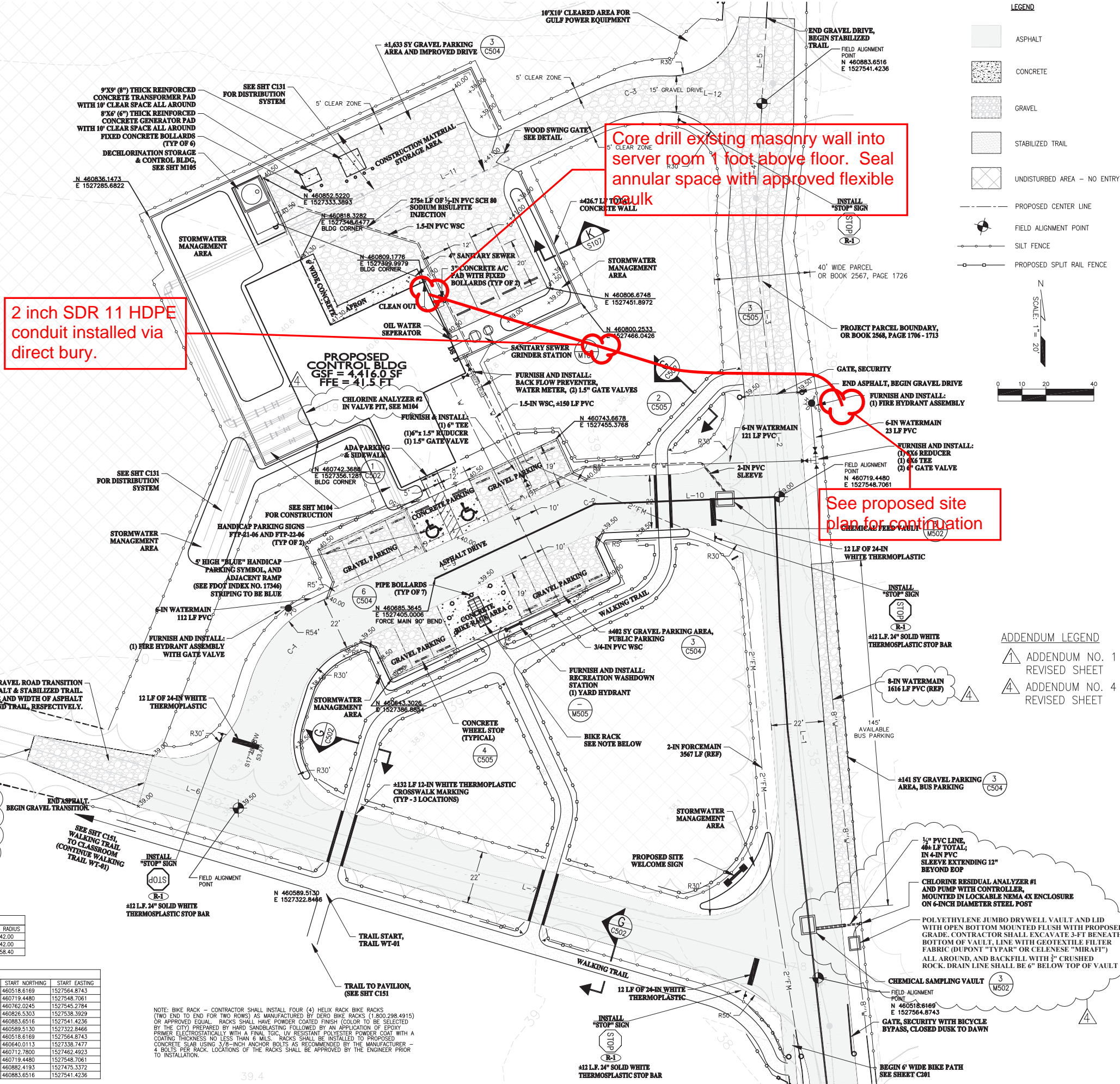
#### DECHLORINATION SYSTEM OPERATION NOTES

- ALL ON-SITE UTILITIES TO BE LOCATED UNDERGROUND.
- CHLORINE RESIDUAL ANALYZER #1 AT STA 104+00 SHALL SAMPLE FOR CHLORINE RESIDUAL AND DISCHARGE SAMPLE TO THE ADJACENT DRYWELL PIT. SAMPLE SHALL BE TAKEN CONTINUOUSLY WHENEVER THERE IS FLOW IN THE 36" RFM.
- UPON CHLORINE RESIDUAL CONCENTRATIONS EXCEEDING 0.01 MG/L, A SIGNAL FROM ANALYZER #1 WILL BE SENT TO THE PLC AT DECHLORINATION STORAGE AND CONTROL BUILDING TO ACTIVATE THE SODIUM BISULFITE INJECTION WITH CONCENTRATIONS ADJUSTED TO MEET EXISTING FLOW CONDITIONS.
- THE SODIUM BISULFITE WILL BE PULLED FROM THE 2500 GAL. SODIUM BISULFITE TANK BY THE METERING PUMPS IN THE DECHLORINATION CONTROL BUILDING AND SENT VIA THE 1/2-INCH LINE TO THE CHEMICAL FEED VALVE NEAR STA 102+00.
- THE CHLORINE ANALYZER #2 IN THE VALVE PIT WILL COLLECT A CONTINUOUS SAMPLE WHENEVER THERE IS FLOW IN THE 36" RFM TO CONFIRM THAT DECHLORINATION BELOW THE RECOMMENDED CONCENTRATIONS HAS OCCURRED AND DISCHARGE THE SAMPLE TO THE DRYWELL PIT OUTSIDE. IF CHLORINE RESIDUAL AT ANALYZER #2 REMAINS ABOVE 0.01 MG/L, A SIGNAL MUST BE SENT TO THE PLC AT THE DECHLORINATION CONTROL BUILDING TO ADJUST DOSAGE.

CURVE	LENGTH	RADIUS
C-1	34.83	42.00
C-2	16.88	42.00
C-3	25.45	58.40

LINE	LENGTH	BEARING	START NORTHING	START EASTING
L-1	201.48	N04°36'10"W	460518.0169	1527564.8743
L-2	42.71	N04°36'10"W	460719.4480	1527548.7061
L-3	64.87	N06°05'34"W	460762.0245	1527545.2784
L-4	57.20	N03°02'14"E	460826.5303	1527538.3929
L-5	35.79	N03°02'14"E	460883.6516	1527541.4236
L-6	40.18	N7°34'02"W	460589.5130	1527322.8466
L-7	252.20	N7°34'02"W	460518.0169	1527564.8743
L-8	52.94	S17°28'42"W	460640.0113	1527338.7477
L-9	111.93	S64°59'28"W	460712.7800	1527482.4923
L-10	70.17	S87°44'36"W	460719.4480	1527548.7061
L-11	141.28	S64°59'28"W	460882.4193	1527475.3372
L-12	41.65	N84°10'18"W	460883.6516	1527541.4236

NOTE: BIKE RACK - CONTRACTOR SHALL INSTALL FOUR (4) HELIX RACK BIKE RACKS (TWO END TO END FOR TWO ROWS) AS MANUFACTURED BY DERO BIKE RACKS (1,800,298,4915) OR APPROVED EQUAL. RACKS SHALL HAVE POWDER COATED FINISH (COLOR TO BE SELECTED BY THE CITY) PREPARED BY HARD SANDBLASTING FOLLOWED BY AN APPLICATION OF EPOXY PRIMER ELECTROSTATICALLY WITH A FINAL TOP COAT OF RESISTANT POLYESTER POWDER COAT WITH A COATING THICKNESS NO LESS THAN 6 MILS. RACKS SHALL BE INSTALLED TO PROPOSED CONCRETE SLAB USING 3/8-INCH ANCHOR BOLTS AS RECOMMENDED BY THE MANUFACTURER - 4 BOLTS PER RACK. LOCATIONS OF THE RACKS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION.



**LEGEND**

- ASPHALT
- CONCRETE
- GRAVEL
- STABILIZED TRAIL
- UNDISTURBED AREA - NO ENTRY
- PROPOSED CENTER LINE
- FIELD ALIGNMENT POINT
- SILT FENCE
- PROPOSED SPLIT RAIL FENCE

**SCALE:** 1" = 20'

**ADDENDUM LEGEND**

- ADDENDUM NO. 1 REVISED SHEET
- ADDENDUM NO. 4 REVISED SHEET

**RELEASED FOR CONSTRUCTION**

**TETRA TECH, INC.**  
 12815 Emerald Coast Parkway, Suite 110  
 Destin, Florida 32550  
 Phone: (850) 837-9278  
 Florida Engineering Business No. 2429

**REUSE TO WETLAND SYSTEM**  
 CITY OF PANAMA CITY BEACH, FLORIDA

**SITE PLAN AND UTILITY PLAN**  
 CONTROL BUILDING

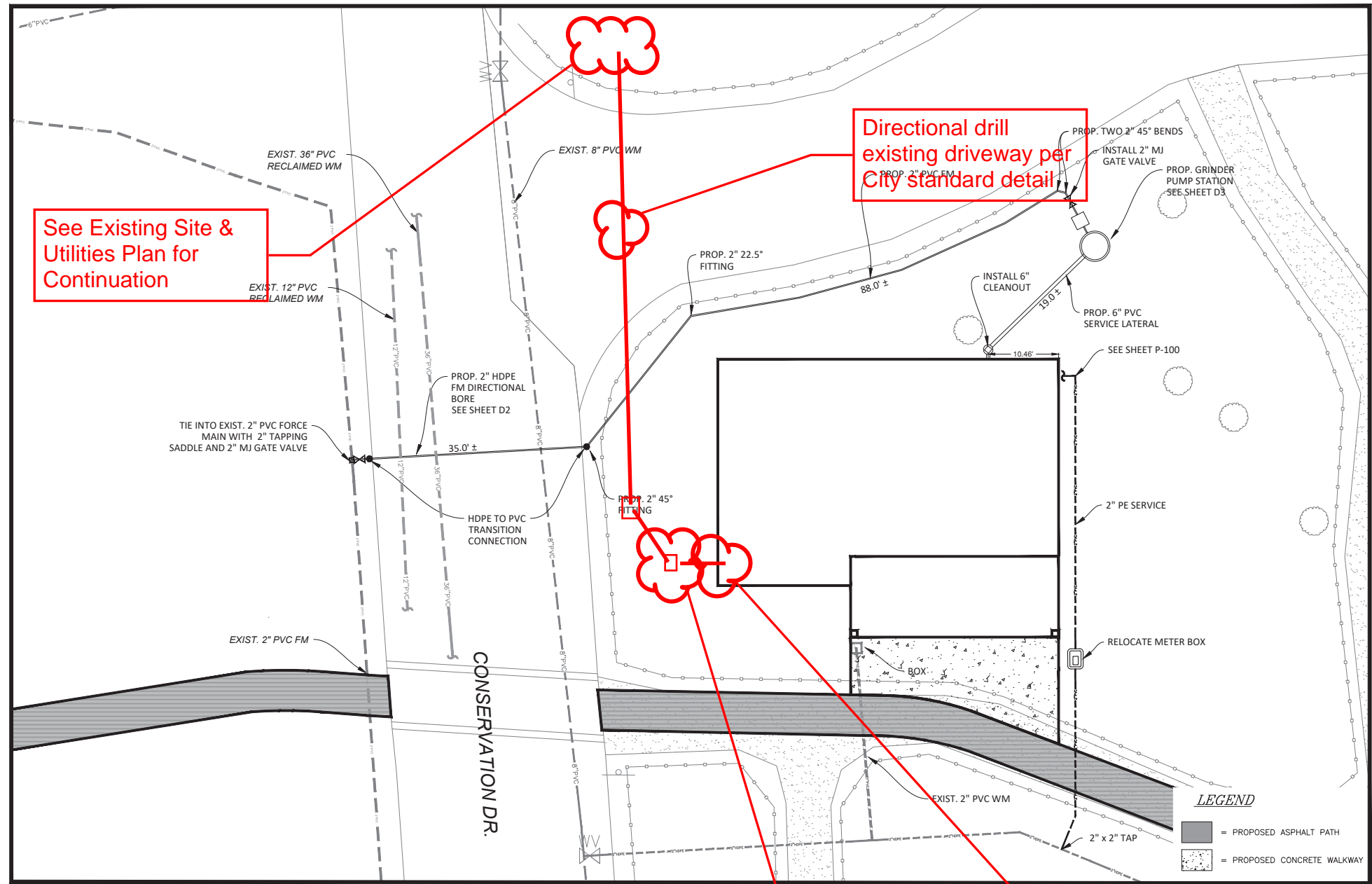
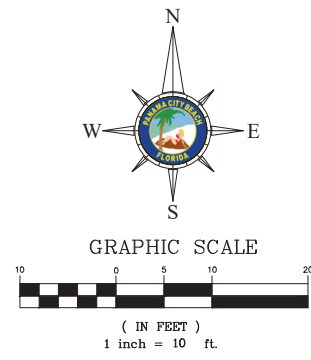
SCALE: AS SHOWN  
 JOB No.: 12006335  
 DESIGNED BY: JMW  
 DETAILED BY: DRH  
 CHECKED BY: MBB  
 DATE: NOVEMBER 2009

COPYRIGHT © 2006 TETRA TECH, INC.

REVISION:	BY:	DATE:
1	JMW	9.17.09
2	JMW	10.1.09

DATE: NOV. 20, 2009  
 SHEET: C403

P:\2009\06335 Panama City Beach Reuse to Wetlands\Design\Drawings\Contract Drawings\C-04\4-Cent Bldg Site Development\C403 CONTROL BLDG - SITE - Final.DWG  
 Plotted: Nov 23, 2009 by Justy White



**NOTES**

- 1) CONTRACTOR TO LOCATE EXISTING RECLAIMED MAINS & WATER MAIN BOTH HORIZONTALLY & VERTICALLY PRIOR TO INSTALLING FORCEMAIN BORE & OTHER CONDUITS.
- 2) CONTRACTOR TO CALL SUNSHINE 811 PRIOR TO DIG EXCAVATION ON CONSERVATION DR.
- 3) CONTRACTOR SHALL BE RESPONSIBLE FOR TAPS.
- 4) THERE ARE NO IMPACT OR TAPPING FEES REQUIRED BY THE CITY UTILITIES DEPARTMENT FOR CONNECTIONS.

Pull Box (typ)

Provide 2 inch conduit through floor into server room. To be coordinated with A/E

**DAG**  
ARCHITECTS  
DAG Architects AR0009694  
455 Harrison Ave Suite B Panama City, FL 32401  
850.387.1671  
www.DAGarchitects.com

REBID SET  
**NOT FOR CONSTRUCTION**

PANAMA CITY BEACH  
**CONSERVATION PARK CLASSROOM**  
100 CONSERVATION DR.  
PANAMA CITY BEACH, FL.

REVISIONS:

No.	Description	Date



CITY OF PANAMA CITY BEACH  
UTILITIES DEPARTMENT  
ENGINEERING DIVISION  
116 S. ARNOLD RD.  
PANAMA CITY BEACH, FL. 32413  
PHONE: (850) 233-5054

UTILITY PLAN  
PROJECT NUMBER  
DATED 00-00-00 Issue Date  
**U1**