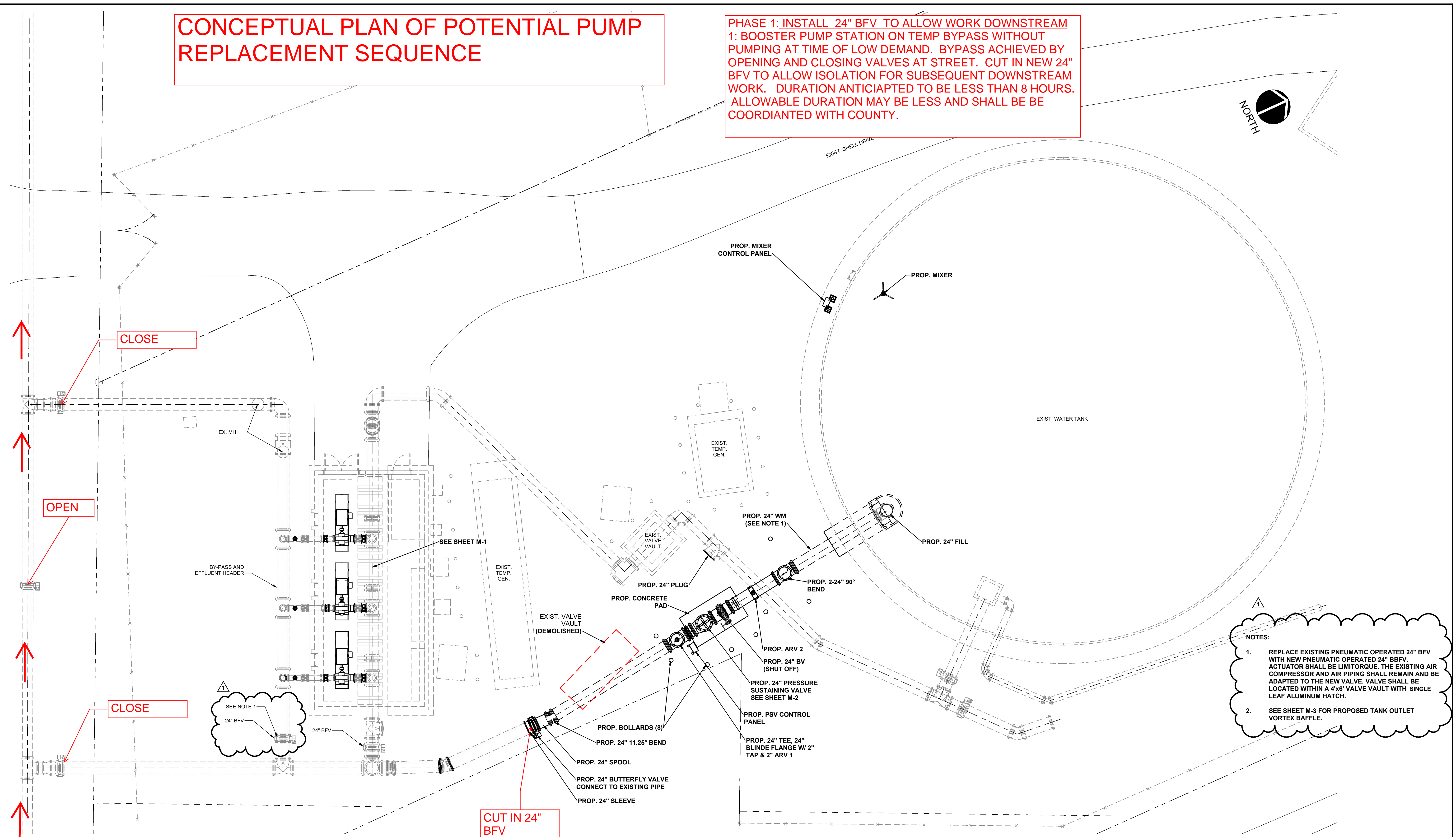
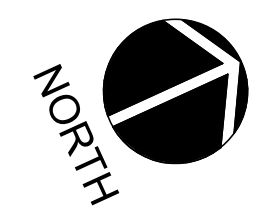


CONCEPTUAL PLAN OF POTENTIAL PUMP REPLACEMENT SEQUENCE

PHASE 1: INSTALL 24" BFV TO ALLOW WORK DOWNSTREAM
 1: BOOSTER PUMP STATION ON TEMP BYPASS WITHOUT PUMPING AT TIME OF LOW DEMAND. BYPASS ACHIEVED BY OPENING AND CLOSING VALVES AT STREET. CUT IN NEW 24" BFV TO ALLOW ISOLATION FOR SUBSEQUENT DOWNSTREAM WORK. DURATION ANTICIPATED TO BE LESS THAN 8 HOURS. ALLOWABLE DURATION MAY BE LESS AND SHALL BE COORDINATED WITH COUNTY.



- NOTES:
1. REPLACE EXISTING PNEUMATIC OPERATED 24" BFV WITH NEW PNEUMATIC OPERATED 24" BBFV. ACTUATOR SHALL BE LIMITORQUE. THE EXISTING AIR COMPRESSOR AND AIR PIPING SHALL REMAIN AND BE ADAPTED TO THE NEW VALVE. VALVE SHALL BE LOCATED WITHIN A 4'x6' VALVE VAULT WITH SINGLE LEAF ALUMINUM HATCH.
 2. SEE SHEET M-3 FOR PROPOSED TANK OUTLET VORTEX BAFFLE.

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM 3 - REMOVED PROP. MOTOR OR VALVE ACTUATOR	FEB 2023
REVISIONS		

BLAKE PETERS, P.E.
 LIC. NO. 64429

1365 Hamlet Avenue
 Clearwater, Florida 33756
 Phone: (727) 442-7196, Fax: (727) 461-3827

CA Lic. No. 29588
 www.mckimcreed.com

CORTEZ BOOSTER PUMP STATION UPGRADES

CIVIL
PROPOSED SITE PLANS

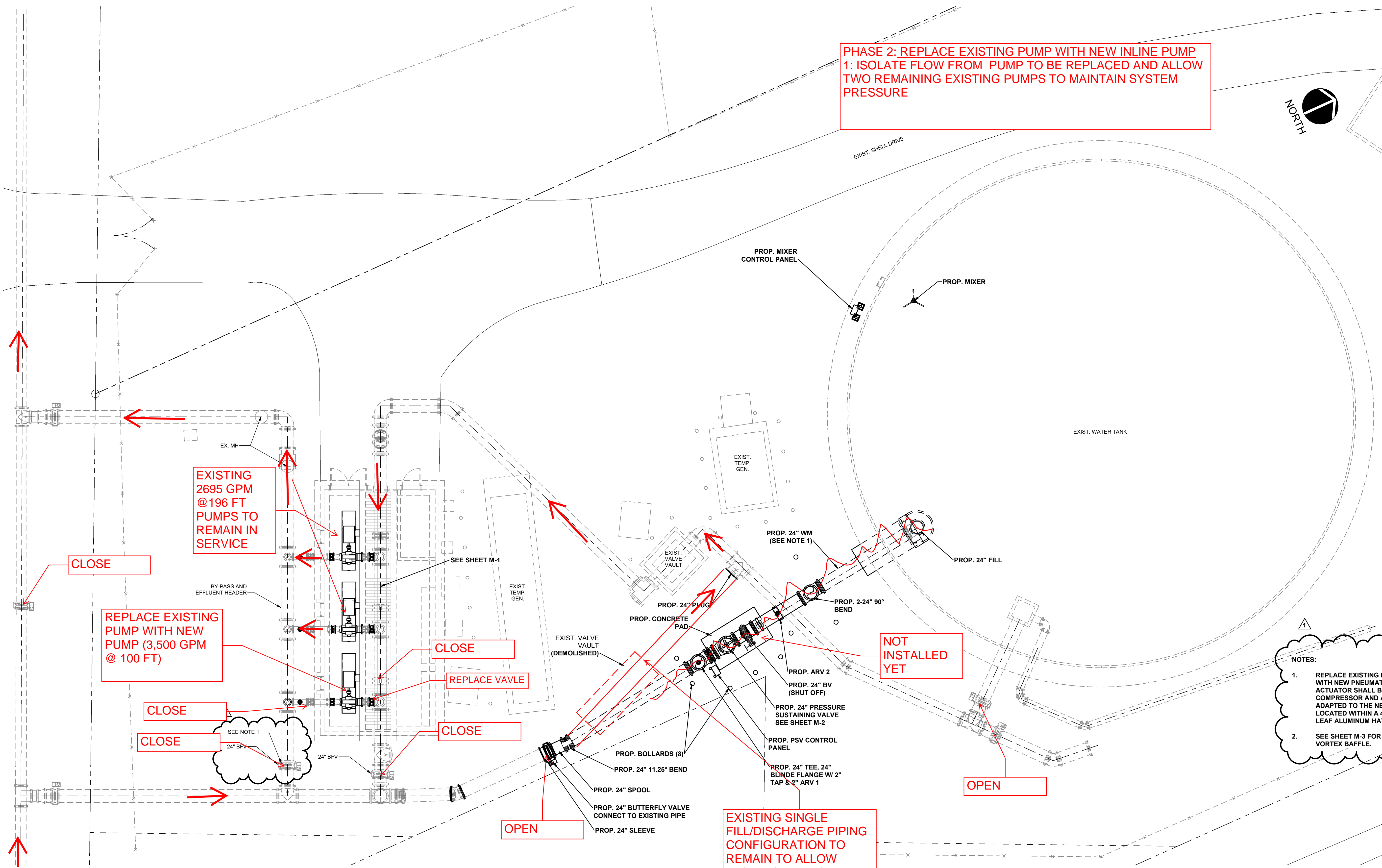
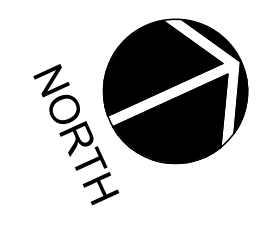
PROJ. START DATE:	AUG. 2022
MCE PROJ. #	01024-0193
DRAWN	DES
DESIGNED	NAM
CHECKED	MAC
PROJ. MGR.	NAM

SCALE
 1/8" = 1'-0"

C-2
 DRAWING NUMBER

STATUS: **ISSUED FOR BID**

PHASE 2: REPLACE EXISTING PUMP WITH NEW INLINE PUMP
1: ISOLATE FLOW FROM PUMP TO BE REPLACED AND ALLOW TWO REMAINING EXISTING PUMPS TO MAINTAIN SYSTEM PRESSURE



EXISTING 2695 GPM @ 196 FT PUMPS TO REMAIN IN SERVICE

REPLACE EXISTING PUMP WITH NEW PUMP (3,500 GPM @ 100 FT)

NOT INSTALLED YET

EXISTING SINGLE FILL/DISCHARGE PIPING CONFIGURATION TO REMAIN TO ALLOW FLOW TO PUMPS

- NOTES:**
1. REPLACE EXISTING PNEUMATIC OPERATED 24" BBFV WITH NEW PNEUMATIC OPERATED 24" BBFV. ACTUATOR SHALL BE LIMITORQUE. THE EXISTING AIR COMPRESSOR AND AIR PIPING SHALL REMAIN AND BE ADAPTED TO THE NEW VALVE. VALVE SHALL BE LOCATED WITHIN A 4'x6' VALVE VAULT WITH SINGLE LEAF ALUMINUM HATCH.
 2. SEE SHEET M-3 FOR PROPOSED TANK OUTLET VORTEX BAFFLE.

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM 3 - REMOVED PROP. MOTOR OP. VALVE ACTUATOR REVISIONS	FEB 2023

BLAKE PETERS, P.E.
 LIC. NO. 64429

1365 Hamlet Avenue
 Clearwater, Florida 33756
 Phone: (727) 442-7196, Fax: (727) 461-3827

CA Lic. No. 29588
 www.mckimcreed.com

CORTEZ BOOSTER PUMP STATION UPGRADES

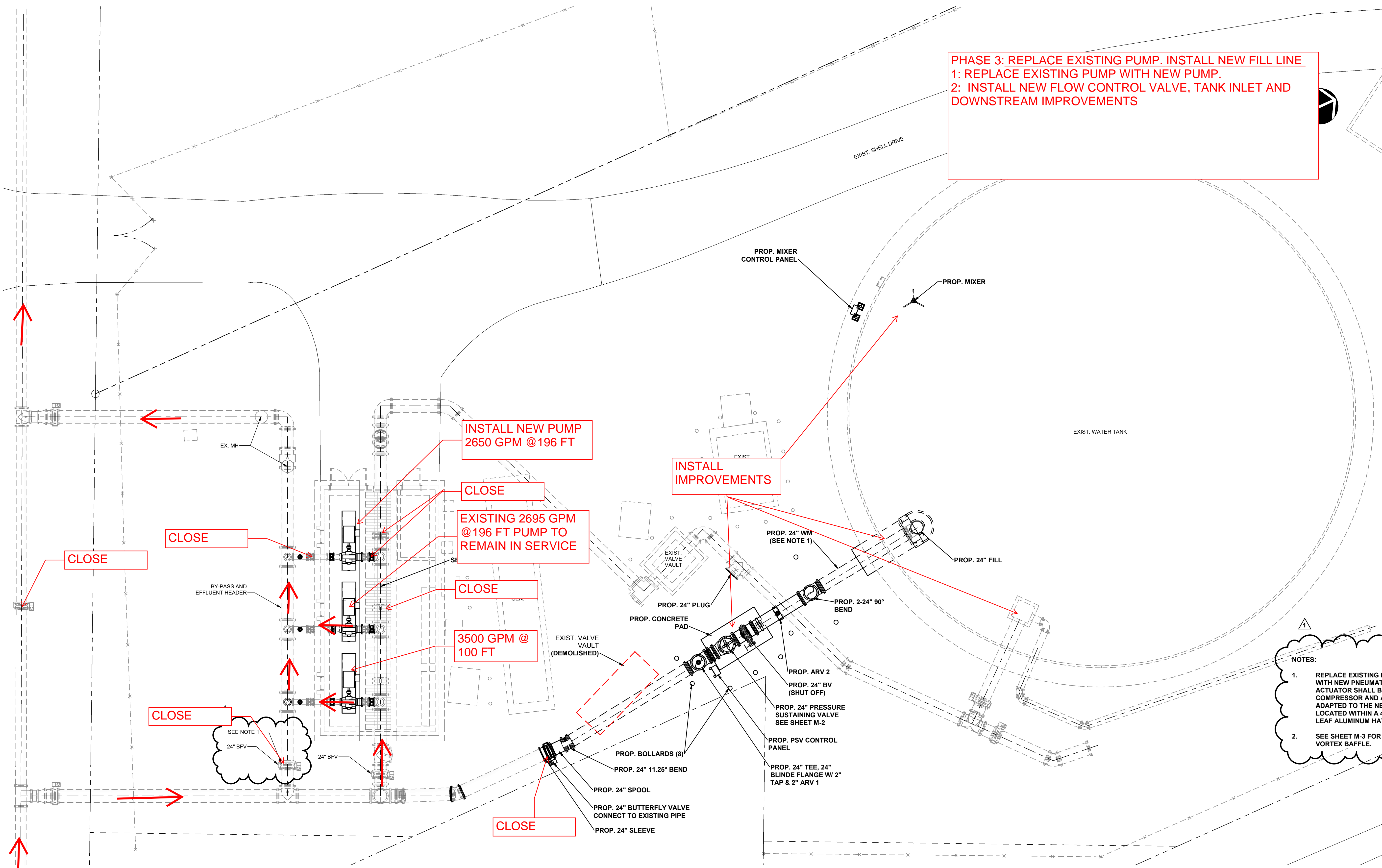
CIVIL
PROPOSED SITE PLANS

PROJ. START DATE: AUG 2022	SCALE: 1/8" = 1'-0"
MCE PROJ. # 01024-0193	
DRAWN DES	
DESIGNED NAM	
CHECKED MAC	
PROJ. MGR NAM	

C-2
 DRAWING NUMBER

ISSUED FOR BID

PHASE 3: REPLACE EXISTING PUMP. INSTALL NEW FILL LINE
 1: REPLACE EXISTING PUMP WITH NEW PUMP.
 2: INSTALL NEW FLOW CONTROL VALVE, TANK INLET AND
 DOWNSTREAM IMPROVEMENTS



NOTES:

1. REPLACE EXISTING PNEUMATIC OPERATED 24" BBFV WITH NEW PNEUMATIC OPERATED 24" BBFV. ACTUATOR SHALL BE LIMITORQUE. THE EXISTING AIR COMPRESSOR AND AIR PIPING SHALL REMAIN AND BE ADAPTED TO THE NEW VALVE. VALVE SHALL BE LOCATED WITHIN A 4'x6' VALVE VAULT WITH SINGLE LEAF ALUMINUM HATCH.
2. SEE SHEET M-3 FOR PROPOSED TANK OUTLET VORTEX BAFFLE.

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM 3 - REMOVED PROP. MOTOR OR VALVE ACTUATOR REVISIONS	FEB 2023

BLAKE PETERS, P.E.
 LIC. NO. 64429

MCKIM & CREED
 1365 Hamlet Avenue
 Clearwater, Florida 33756
 Phone: (727) 442-7196, Fax: (727) 461-3827
 CA Lic. No. 29588
 www.mckimcreed.com

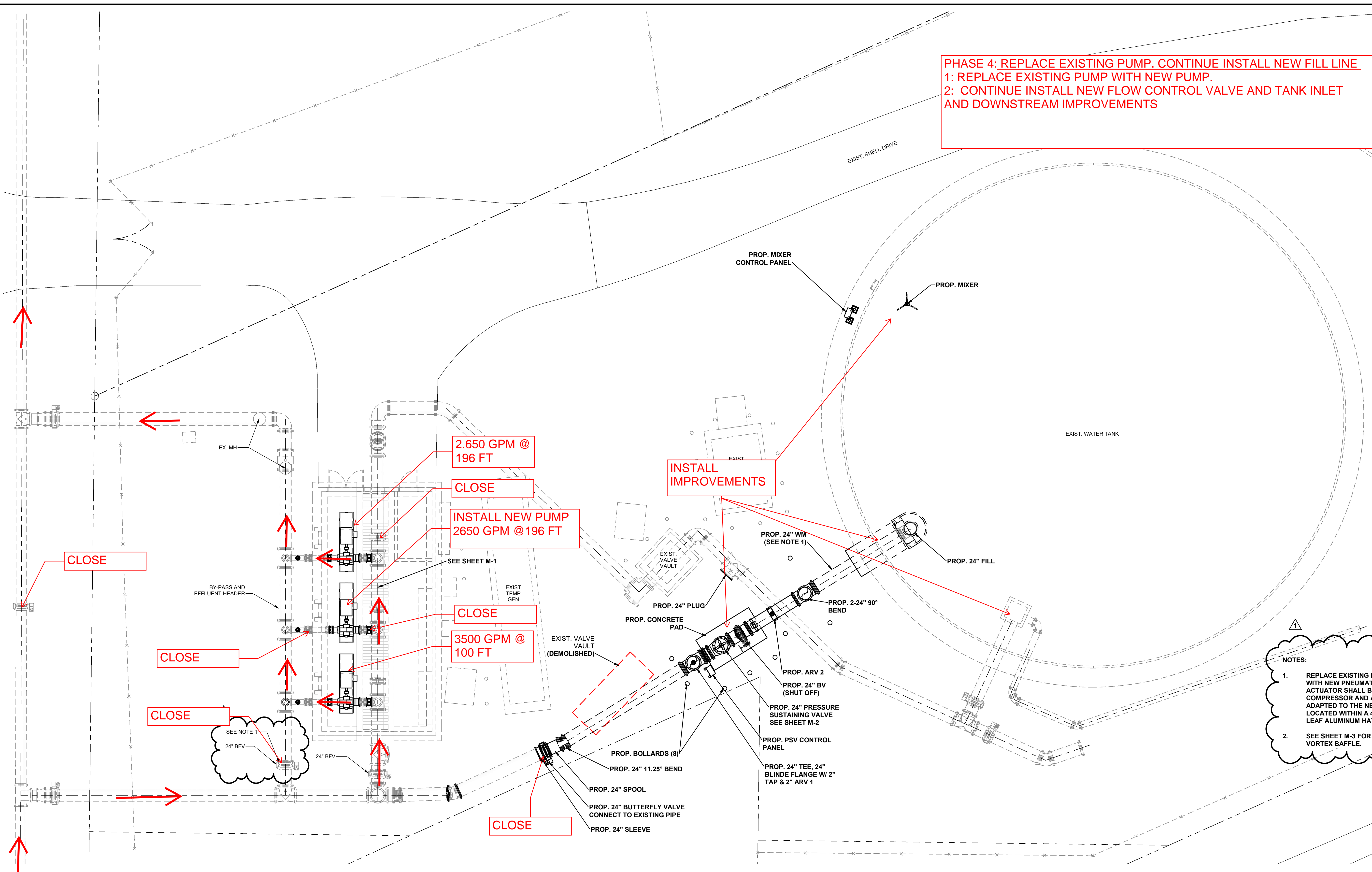


CORTEZ BOOSTER PUMP STATION UPGRADES
 CIVIL
PROPOSED SITE PLANS

PROJ. START DATE: AUG 2022	SCALE: 1/8" = 1'-0"
MCE PROJ. # 01024-0193	
DRAWN: DES	
DESIGNED: NAM	
CHECKED: MAC	
PROJ. MGR: NAM	

C-2
 DRAWING NUMBER
 REVISION
ISSUED FOR BID

PHASE 4: REPLACE EXISTING PUMP. CONTINUE INSTALL NEW FILL LINE
 1: REPLACE EXISTING PUMP WITH NEW PUMP.
 2: CONTINUE INSTALL NEW FLOW CONTROL VALVE AND TANK INLET AND DOWNSTREAM IMPROVEMENTS



NOTES:

1. REPLACE EXISTING PNEUMATIC OPERATED 24" BFV WITH NEW PNEUMATIC OPERATED 24" BBFV. ACTUATOR SHALL BE LIMITORQUE. THE EXISTING AIR COMPRESSOR AND AIR PIPING SHALL REMAIN AND BE ADAPTED TO THE NEW VALVE. VALVE SHALL BE LOCATED WITHIN A 4'x6' VALVE VAULT WITH SINGLE LEAF ALUMINUM HATCH.
2. SEE SHEET M-3 FOR PROPOSED TANK OUTLET VORTEX BAFFLE.

REV. NO.	DESCRIPTION	DATE
1	ADDENDUM 3 - REMOVED PROP. MOTOR OP. VALVE ACTUATOR REVISIONS	FEB 2023

BLAKE PETERS, P.E.
 LIC. NO. 64429

1365 Hamlet Avenue
 Clearwater, Florida 33756
 Phone: (727) 442-7196, Fax: (727) 461-3827

CA Lic. No. 29588
 www.mckimcreed.com

CORTEZ BOOSTER PUMP STATION UPGRADES

CIVIL
PROPOSED SITE PLANS

PROJ. START DATE: AUG. 2022	SCALE
MCE PROJ. # 01024-0193	1/8" = 1'-0"
DRAWN DES	C-2 DRAWING NUMBER
DESIGNED NAM	
CHECKED MAC	
PROJ. MGR. NAM	
STATUS: ISSUED FOR BID	

C-2
REVISION