

## ADDENDUM # 2

November 9, 2021

### PROJECT

**Bataan Lift Station Renovation  
Bid No. 2021-09**

### OWNER

City of Carlsbad

### ENGINEER

Bohannon Huston Inc.

This addendum forms a part of the Contract Documents and modifies the original specifications and drawings dated October 2021. Acknowledge receipt of this addendum in the space provided in the Bid Form. Failure to do so may subject the bidder to disqualification.

### **I. CONTRACT DOCUMENTS CORRECTIONS/MODIFICATIONS**

1. **C-111 Advertisement for Bids**: Amend bid opening date from November 10, 2021 and change to **November 17, 2021, time remains unchanged**.

### **II. CONSTRUCTION DRAWINGS CORRECTIONS/MODIFICATIONS**

1. **Drawing C-500R2**: Revised elevation data.
2. **Drawing C-800R2**: Revised elevation data.
3. **Drawing C-900R2**: Revised elevation data and corrected lid thickness.
4. **Drawing S-200R1**: Revised elevation data and corrected lid thickness.

**III. ATTACHMENTS**

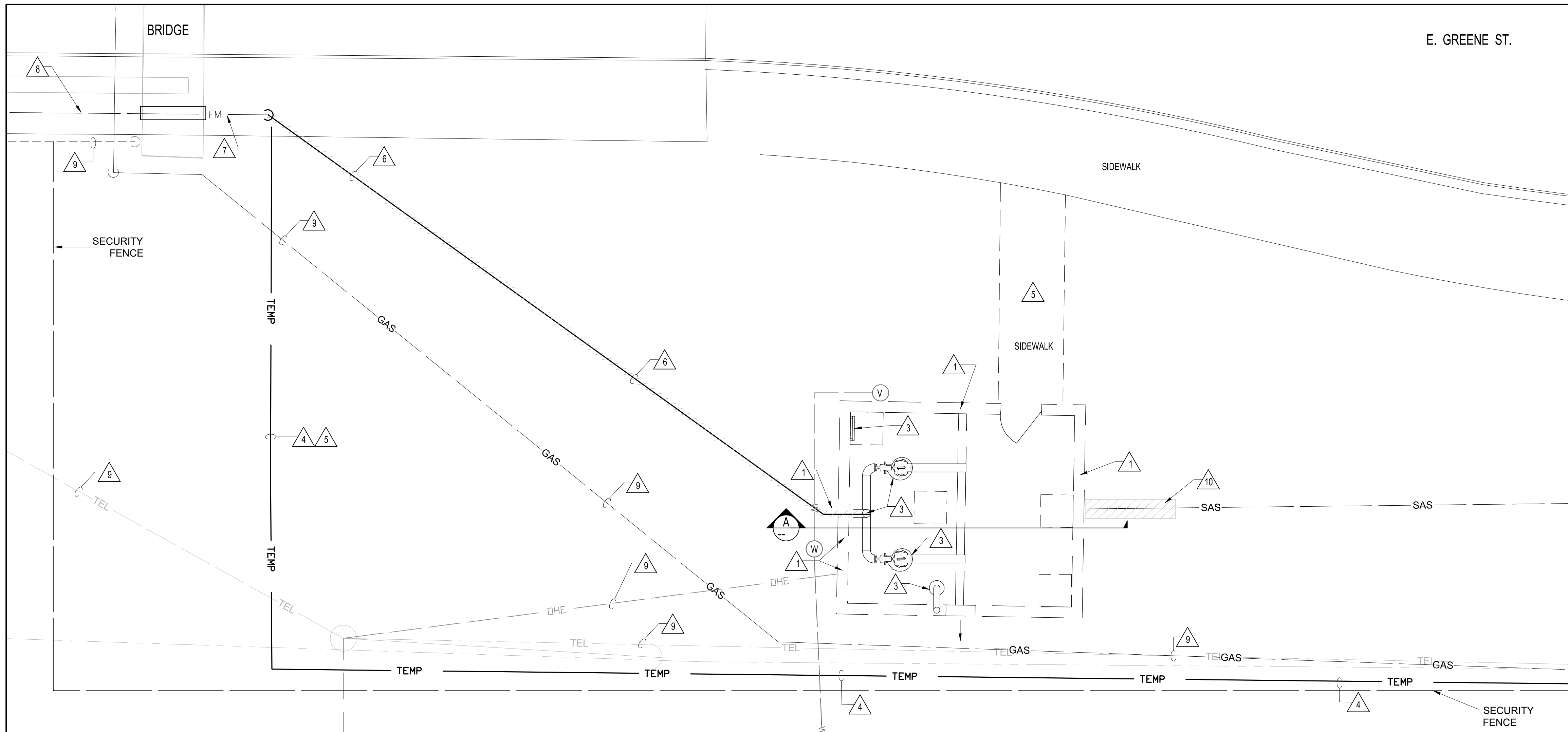
1. Revised Drawing C-500R2
2. Revised Drawing C-800R2
3. Revised Drawing C-900R2
4. Revised Drawing S-200R1

All bidders shall acknowledge receipt of this addendum in the appropriate location on the BID FORM.

Sincerely,  
Bohannon Huston, Inc.



Matthew Thompson PE  
Senior Vice President



- DEMOLITION NOTES**
- EXISTING CMU BLOCK BUILDING TO BE DEMOLISHED. DEMOLISH BUILDING TO THE NEW TOP OF WELL ELEVATION. COORDINATE WITH OTHER DISCIPLINES FOR DEMOLITION.
  - DEMOLISH TOP FLOOR FINISH AND INTERIOR WALL. CONTRACTOR TO INSTALL NEW STRUCTURAL BRACES PER STRUCTURAL DRAWINGS AND INSTRUCTIONS. PROTECT FROM WEATHER AND EXTERNAL ELEMENTS. IN ADDITION, CONTRACTOR TO PROTECT AREA WITH A CHIN LINK FENCE TO AVOID UNWANTED PERSONNEL FALLING INTO VOID SPACE. EXISTING LIFT STATION (VOID SPACE) TO BE USED FOR NEW FRP LIFT STATION AND PRECAST VALVE VAULT.
  - REMOVE ALL PUMPS, VALVES, FLOATS, PIPES, AND ANY OTHER ITEMS ATTACHED TO THE INTERIOR WALLS TO ACCOMMODATE NEW EQUIPMENT.
  - BYPASS 6" FLEX PE PIPE. SEE BYPASS NOTES ON DWG C-400.
  - EXISTING ENTRANCE CONCRETE SIDE WALK TO BE REMOVED.
  - EXISTING UNDERGROUND PORTION OF FORCE MAIN FROM LIFT STATION TO SOUTH EAST BRIDGE ABUTMENT TO BE REMOVED.
  - EXISTING FORCEMAIN PORTION FROM SOUTH EAST ABUTMENT TO DISCHARGE MANHOLE TO BE FLUSHED, CAPPED, AND ABANDONED IN PLACE.
  - EXISTING FORCEMAIN ANCHORS AND BRIDGE DRILLED HOLES TO BE ABANDONED IN PLACE WITH FORCE MAIN.
  - GAS PIPE AND OTHER UTILITIES TO BE PROTECTED DURING CONSTRUCTION - COORDINATE WITH UTILITIES FOR LOCATION BEFORE DIGGING AND FOLLOW UTILITIES PROTECTION STANDARDS.
  - PORTION OF EXISTING INFLUENT SAS LINE TO BE REPLACED. EXISTING INFLUENT PENETRATION INTO THE STATION TO BE REUSED - COORDINATE WITH NEW WORK.
  - SEE DEMOLITION SEQUENCE ON STRUCTURAL DRAWINGS S-200.

CALL BEFORE YOU DIG  
FOR UTILITY LOCATES  
1-800-321-ALERT

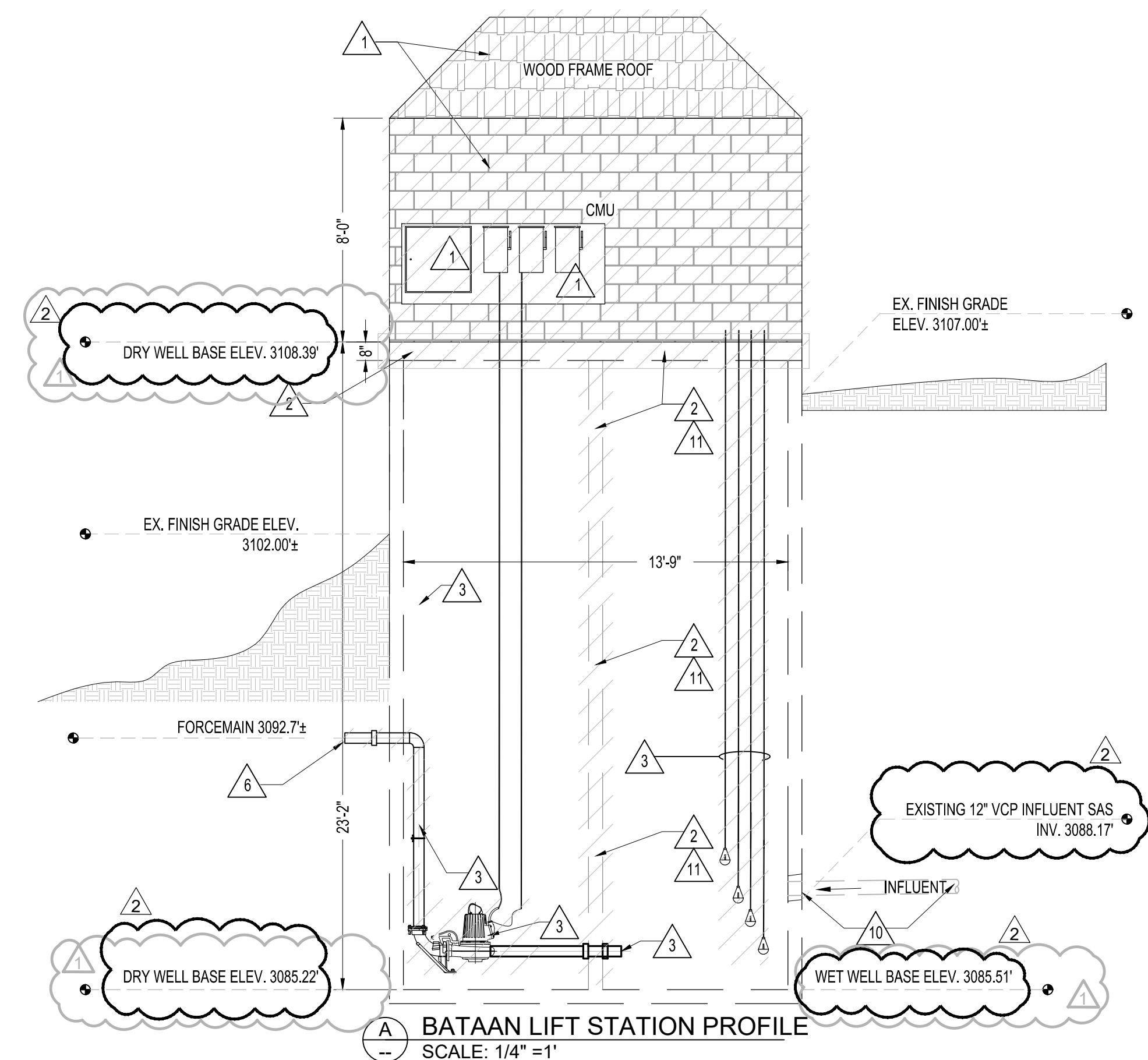
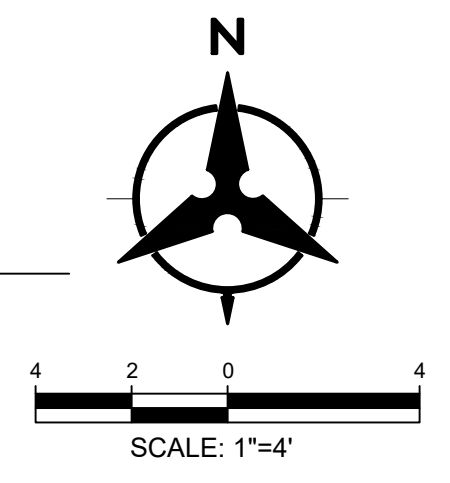


**ENGINEER'S SEAL**

**AS-BUILT INFORMATION**

CONTRACTOR	DATE	WORK STARTED BY	DATE	INSPECTOR'S ACCEPTANCE BY	DATE	FIELD VERIFICATION BY	DATE	DRAWINGS CORRECTED BY	DATE

1 BATAAN LIFT STATION ENLARGED DEMOLITION PLAN  
C-500 SCALE: 1/4" = 1'



NOTICE OF EXTENDED PAYMENT PROVISION:  
THIS CONTRACT ALLOWS THE OWNERS TO  
MAKE PAYMENT WITHIN 45 DAYS AFTER  
RECEIPT OF AN UNDISPUTED REQUEST  
FOR PAYMENT

**Bohannon & Huston**  
www.bhinc.com 800.877.5332

**CARLSBAD**



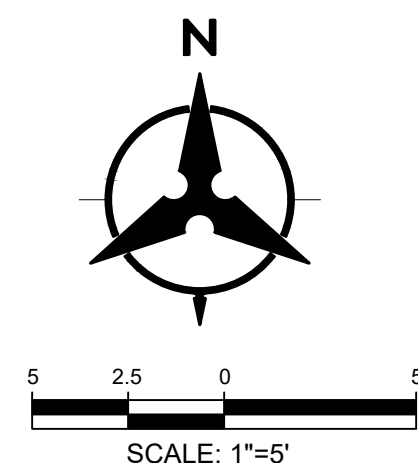
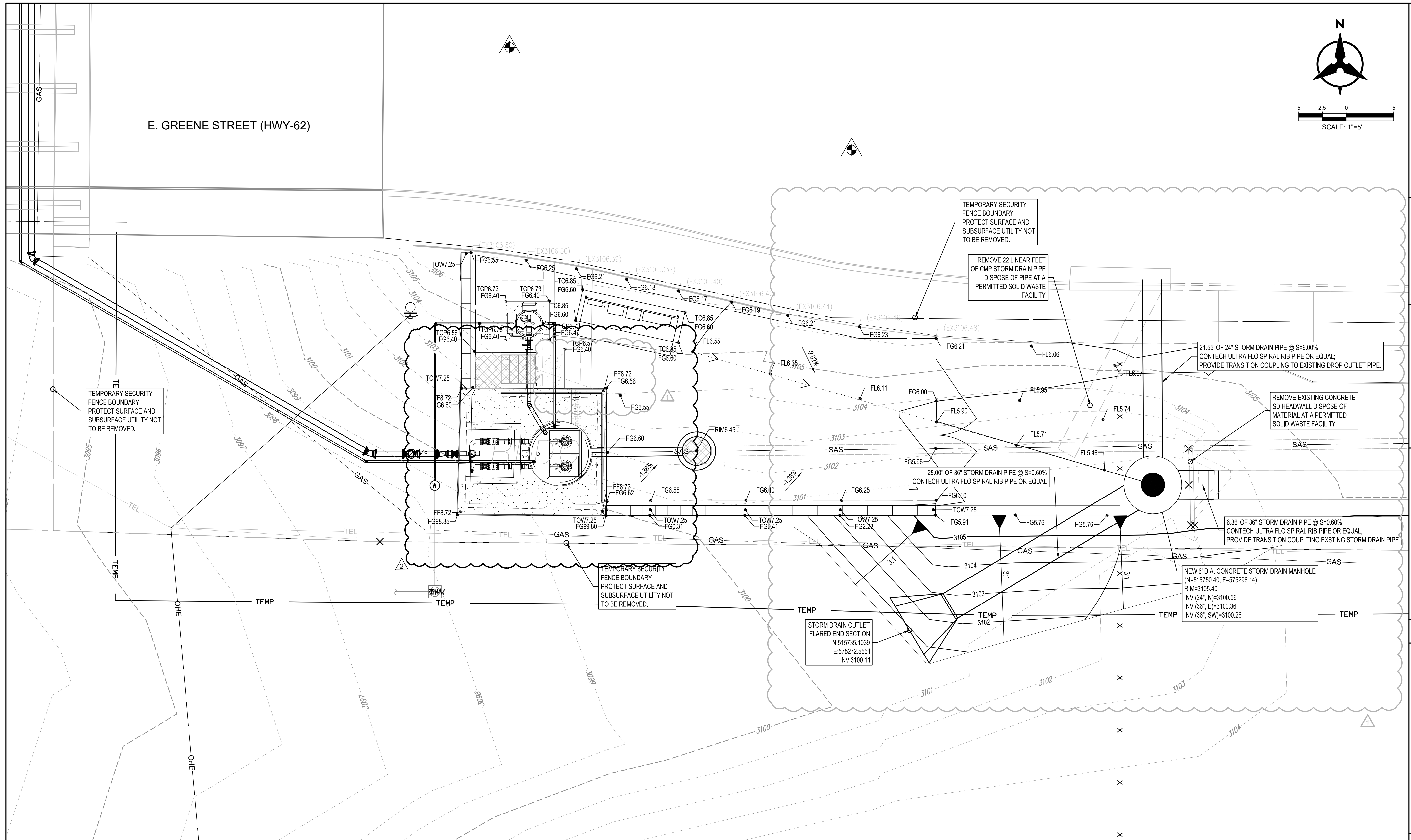
CITY OF CARLSBAD  
BATAAN LIFT STATION RENOVATION  
BATAAN LIFT STATION DEMOLITION PLAN

NO.	DATE	REMARKS	BY
1	11/05/21	ADDENDUM 1	
2	11/08/21	ADDENDUM 2	

DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE
JCS	1/7/2021	JCS	1/7/2021	MRT	1/7/2021

BHI PROJECT NO.	DWG. NO.	SHEET	OF
20210255	C-500R2	07	29





E. GREENE STREET (HWY-62)

1 GRADING AND DRAINAGE PLAN  
SCALE: 1" = 5'

PROJECT SURVEY CONTROL

SURVEY STAKING CONTROL	DESCRIPTION	EASTING	NORTHING	ELEVATION
PROJECT BENCHMARK	BENCHMARK	574785.63	515780.03	3107.336
CONTROL POINT 1	SET NAIL IN HUB	574646.48	515869.56	3105.59
CONTROL POINT 2	REBAR	574688.01	515885.44	3105.94

P:\20210255\LC\Plan Production\Drawings\110 BATAAN LIFT STATION GRADING PLAN.dwg  
Mon, 8-Nov-2021 - 4:04pm. Plotted by: JSANDOVAL

NOTICE OF EXTENDED PAYMENT PROVISION:  
THIS CONTRACT ALLOWS THE OWNERS TO  
MAKE PAYMENT WITHIN 45 DAYS AFTER  
RECEIPT OF AN UNDISPUTED REQUEST  
FOR PAYMENT

**Bohannon & Huston**  
www.bhinc.com 800.877.5332



CITY OF CARLSBAD  
BATAAN LIFT STATION RENOVATION  
BATAAN LIFT STATION GRADING PLAN

BHI PROJECT NO.	20210255	DWG NO.	C-800R2	SHEET OF	10 29
-----------------	----------	---------	---------	----------	-------

**CALL BEFORE YOU DIG  
FOR UTILITY LOCATES  
1-800-321-ALERT**

**ENGINEER'S SEAL**  
  
 MATTHEW R. THOMPSON  
 PROFESSIONAL ENGINEER  
 11-8-2021

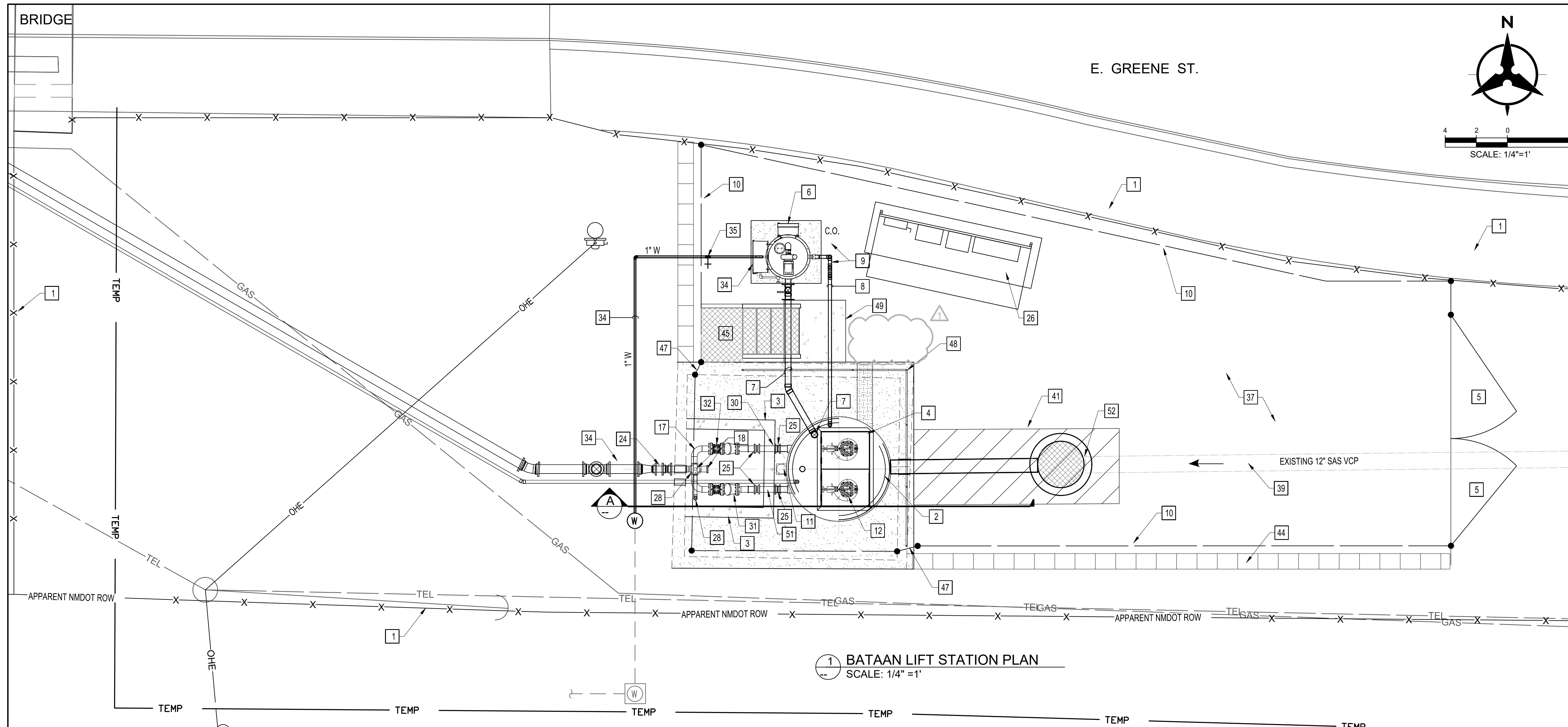
AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK STAGED BY	DATE
INSPECTOR'S AGGREGATE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE

BENCH MARKS	
NO.	DATE

NO.	DATE	REMARKS	BY

DESIGNED BY	DATE
JCS	1/7/2021
DRAWN BY	DATE
JCS	1/7/2021
CHECKED BY	DATE
MRT	1/7/2021

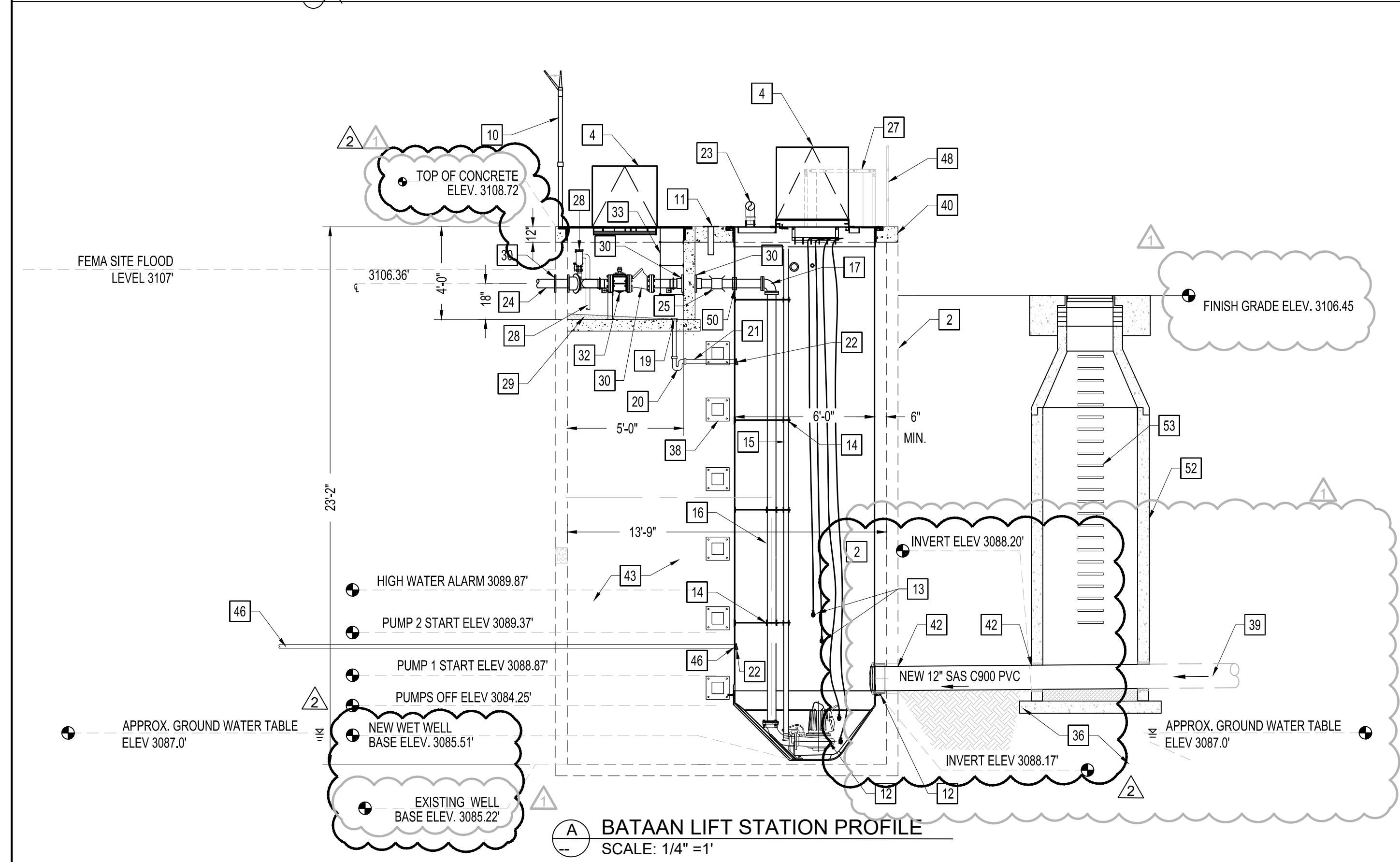




1 BATAAN LIFT STATION PLAN  
SCALE: 1/4" = 1'

CONSTRUCTION NOTES

- CONTRACTOR TO PROTECT CONSTRUCTION SITE AND TEMPORARY BYPASS PIPE AT ALL TIMES WITH AN 8' HIGH CONSTRUCTION FENCE WITHIN PROPERTY LIMITS.
- INSTALL NEW 6" DIAMETER FIBERGLASS PREFABRICATED WET WELL INSTALLED INSIDE EXISTING CONCRETE LIFT STATION, SEE SPEC. 02601 AND STRUCTURAL DRAWINGS.
- NEW 5' SQUARE CAST IN PLACE CONCRETE VALVE VAULT, SEE SPEC. 03300 AND STRUCTURAL DRAWINGS.
- NEW WET WELL AND VALVE VAULT ACCESS HATCHES. SEE SPECIFICATION 11310. SEE STRUCTURAL DRAWINGS FOR MINIMUM CLEAR OPENING SIZES. PROVIDE "SAFE HATCH" GRATING WITH WET WELL ACCESS HATCH.
- NEW 16' WIDE VEHICLE ACCESS GATE. SEE DETAIL 1 DWG C-1100.
- NEW ODOR CONTROL SYSTEM. INTEGRITY MUNICIPAL SYSTEM I-BOX® 30, OR ENGINEER APPROVED EQUAL. SEE DETAIL 3 DWG C-1100 AND SPEC. 11258.
- NEW 4" DIAMETER SCH 80 PVC FOUL GAS VENTILATION PIPING INSTALLED AT 3% SLOPE TOWARD STATION. CONTRACTOR SHALL PROVIDE ALL NECESSARY PVC FITTINGS FOR PIPING CONNECTION FROM WET WELL TO ODOR CONTROL UNIT. CONTRACTOR SHALL CORE EXISTING CONCRETE WALL AS NECESSARY.
- NEW 2" DIAMETER PVC ODOR CONTROL UNIT DRAIN LINE INSTALLED AT 3% SLOPE TOWARD MANHOLE. SEE PLAN VIEW FOR CORRECT ORIENTATION. CONTRACTOR SHALL PROVIDE ALL NECESSARY PVC FITTINGS FOR PIPING CONNECTION FROM WET WELL TO ODOR CONTROL UNIT.
- INSTALL A NEW 2" SCH 80 PVC P-TRAP WITH PVC TEE AND CLEAN OUT. SEE DETAIL 4 DWG C-1100.
- INSTALL 6' HIGH CHAIN LINK SECURITY FENCE WITH 3-STRAND BARBED WIRE TOP. SEE DETAIL 6, DWG C-1100.
- CAST-IN-PLACE, STAINLESS STEEL EMBED SOCKET BASE FOR PORTABLE DAVIT CRANE WITH REMOVABLE, MANUFACTURER PROVIDED, COVER PLATE. PROVIDE DAVIT CRANE WITH ELECTRIC WINCH PER SPEC. 11310. FIELD LOCATE SO CRANE REACHES PUMPS.
- TWO FLYGT SUBMERSIBLE PUMPS WITH MIX FLUSH VALVES, DISCHARGE BASES STAINLESS STEEL ANCHOR BOLTS PER MANUFACTURER'S RECOMMENDATION. SEE SCHEDULE, SPEC. 11310.
- NEW FLOAT WATER LEVEL CONTROLLERS. PROVIDE TOTAL OF FOUR FLOATS. SET FLOATS TO ELEVATIONS SHOWN ON DRAWING. SEE SPECIFICATION 11310.
- PROVIDE INTERMEDIATE STAINLESS STEEL BRACKET SUPPORT PER PUMP MANUFACTURER'S RECOMMENDATIONS.
- INSTALL 2" DIAMETER STAINLESS STEEL, SCHEDULE 40 PIPE FOR PUMP RETRIEVAL GUIDE (TYPICAL 2 PER PUMP) AND PIPE TERMINATION BRACKETS TO UPPER LID NUT RAIL.
- 4" DIAMETER, STAINLESS STEEL PIPE SPOOL WITH WELDED FLANGES.
- 4" DIAMETER, STAINLESS STEEL 90° BEND, FLxFL WITH STAINLESS STEEL BOLTS.
- INSTALL A 4" DIAMETER, STAINLESS STEEL CROSS WELDED WITH A 1" LONG FLANGED 4" SST PIPE SPOOL WITH BLIND FLANGE FOR CLEAN OUT CONNECTION.
- INSTALL A 2" DIAMETER SST FLOOR DRAIN, CAST-IN-PLACE THROUGH VALVE VAULT FLOOR.
- INSTALL A 2" DIAMETER PVC DWV P-TRAP.
- INSTALL A 2" DIAMETER PVC DWV SCH. 40 PIPE SPOOL.
- INSTALL A 2" DIAMETER PVC BACKWATER VALVE.
- 4" DIAMETER, SCH. 10 STAINLESS STEEL AIR VENT, WELDED GOOSENECK WITH STAINLESS STEEL INSECT SCREEN WELDED TO OUTLET, CONSTRUCTED INTEGRAL TO WET WELL LID.
- INSTALL EPOXY LINED DI FORCE MAIN - SEE DRAWING C-600 FOR FORCE MAIN DETAIL AND PROFILE. ALL FITTINGS SHALL BE RESTRAINED.



A BATAAN LIFT STATION PROFILE  
SCALE: 1/4" = 1'

- INSTALL NEW 12" CONCRETE LIFT STATION LID PER STRUCTURAL DRAWINGS.
- DIG A NEW 5' WIDE TRENCH MINIMUM AND SHORE AS NECESSARY TO EXPOSE EXISTING 12" SAS VCP, CUT PIPE AND CREATE A NEW POINT OF CONNECTION FOR NEW PVC SAS PIPE THROUGH EXISTING CONCRETE WALL.
- INSTALL NEW 12" DWV SAS PVC PIPE - ROUTE PIPE THROUGH EXISTING OR ENLARGED CONCRETE PENETRATION AND MADE PROPER WATER TIGHT CONNECTIONS TO NEW FRP WET WELL AND MANHOLE. IN ADDITION, GROUT STATION'S AND MANHOLE CONCRETE PIPE PENETRATION. TEST CONNECTIONS, BACKFILL AND COMPACT TO GRADE.
- FILL STATION'S VOID SPACE WITH LIGHT CONCRETE FILL PER STRUCTURAL DRAWINGS.
- NEW 12" CAST RETAINING CONCRETE WALL. SEE STRUCTURAL DRAWINGS.
- NEW ALUMINUM FABRICATED APPROACH STAIRWAY WITH HANDRAILS.
- AIR VALVE 2" DWV PVC DRAIN PIPE FROM FORCEMAIN AIR RELEASE AIR VALVE LOCATED AT NORTH EAST OF BRIDGE. DRAIN PIPE ROUTE AT 1% SLOPE WITH AN APPROXIMATE INVERT OF 3090.60' AT THE WET WELL. SEE DRAWING C-700 FOR ADDITIONAL INFORMATION.
- TRANSITION CHAINLINK FENCE ON SINGLE POST FOR 36" GRADE SEPARATION.
- INSTALL 42" HIGH REMOVABLE ALUMINUM SAFETY HANDRAIL WITH FOOTPLATE ATTACHMENTS ANCHORED TO LID WITH EPOXY SET SST ANCHOR BOLTS.
- INSTALL 4x4x4" THICK CONCRETE LANDING PAD WITH 10x10x10 W/M REINFORCEMENT AND CHAMFERED EDGES AT FINISHED GRADE.
- INSTALL WATER TIGHT FIBERGLASS-TO-PIPE TRANSITION COUPLING PER MANUFACTURER INSTRUCTIONS.
- CONCRETE CAST-IN-PLACE PIPE SPOOL PROVIDED BY CONTRACTOR.
- INSTALL MANHOLE PER DETAIL 5 DETAIL C3. CONTRACTOR TO PLAN FOR DE-WATERING.
- INSTALL MANHOLE LADDER PER DETAIL 6 C3. CONTRACTOR TO EPOXY ANCHOR BOLTS INTO HANHOLE.
- INSTALL 4" MECHANICAL COMPRESSION COUPLING WITH RESTRAINT.
- NEW PUMP CONTROL PANEL WITH STAINLESS STEEL SHADE AND ELECTRIC SERVICE. SEE ELECTRICAL SHEETS FOR DETAILS.
- NOT USED.
- INSTALL NEW AIR RELEASE VALVE ON TOP OF SST CROSS INSIDE VAULT VALVE. DIRECT A NEW 1" DIAMETER PVC AIR DRAIN LINE TO DISCHARGE DIRECTLY TO THE VAULT VALVE FLOOR. CONTRACTOR SHALL PROVIDE ALL NECESSARY PVC FITTINGS TO COMPLETE PIPE CONNECTIONS.
- GROUT VALVE VAULT FLOOR TO SLOPE TO DRAIN.
- INSTALL MECHANICAL LINK-SEAL PIPE SEAL COUPLING THROUGH CONCRETE WALL. SEE SPEC. TYPICAL ALL PIPE PENETRATIONS THROUGH CONCRETE.
- 4" DIAMETER FLYGT BALL CHECK VALVE, EPOXY COATED BODY WITH STAINLESS STEEL BOLTS. SEE SPEC. 15111.
- 4" DIAMETER RESILIENT WEDGE SEWAGE RATED ECCENTRIC PLUG VALVE WITH SQUARE OPERATOR, EPOXY COATED WITH STAINLESS STEEL BOLTS. SEE SPEC. 15100.
- INSTALL NEW ALUMINUM LADDER FOR VALVE VAULT.
- INTERCEPT EXISTING WATER SERVICE AND EXTEND A NEW 1" DIAMETER PVC WATER SERVICE LINE, WITH 24" OF COVER, FOR ODOR CONTROL EQUIPMENT AND HOSE BIB.
- INSTALL NEW 1" FROST PROOF YARD HYDRANT. SEE DETAIL 8 DWG C-1200.
- COMPACTED SUBGRADE TO ACHIEVE 90% OF ASTM D-1557 DENSITY. SEE STRUCTURAL DRAWINGS AND DETAILS.
- NEW BASE COURSE SURFACE WITHIN CHAINLINK FENCE. SEE GRADING PLAN DWG C-800.
- RETAIN STEEL BRACKETS FROM INTERIOR DEMOLITION. SEE STRUCTURAL DRAWINGS FOR INSTALLATION SEQUENCE AND DETAILS.
- EXISTING 12" GRAVITY SAS VITRIFIED CLAY PIPE - ESTIMATED SLOPE OF 0.3%.

ENGINEER'S SEAL

AS-BUILT INFORMATION

CONTRACTOR	DATE	INSPECTORS	DATE	FIELD	DATE	DRAWINGS	DATE

BENCH MARKS

NO.	DATE	BY	REMARKS

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACTOR AGREES TO WAIVE PAYMENT WITHIN 45 DAYS AFTER THE DATE OF AN UNDISPUTED REQUEST FOR PAYMENT.

**Bohannon & Huston**  
www.bhinc.com 800.877.5332

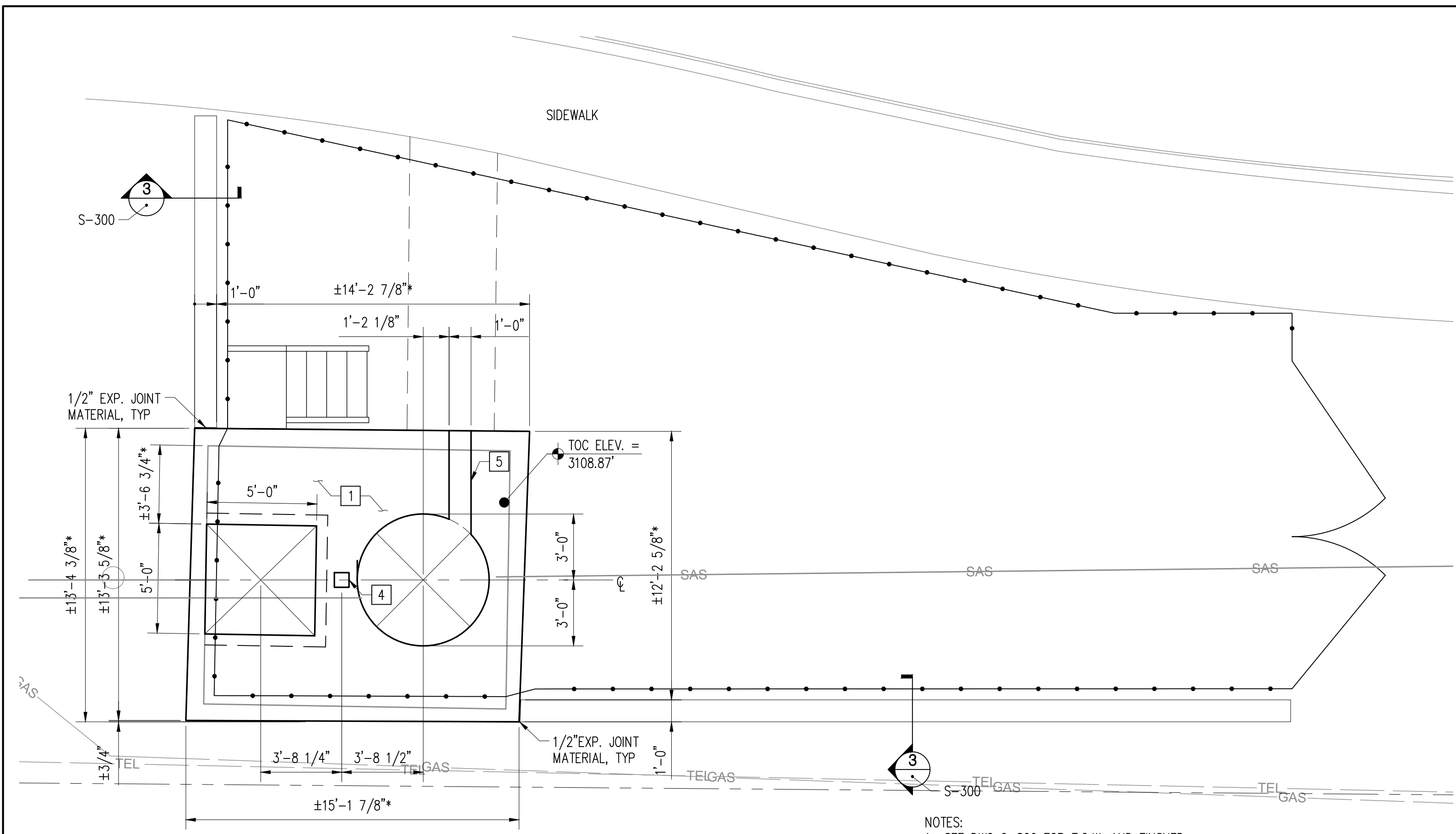
**CARLSBAD**

CITY OF CARLSBAD  
BATAAN LIFT STATION RENOVATION  
BATAAN LIFT STATION PLAN AND PROFILE

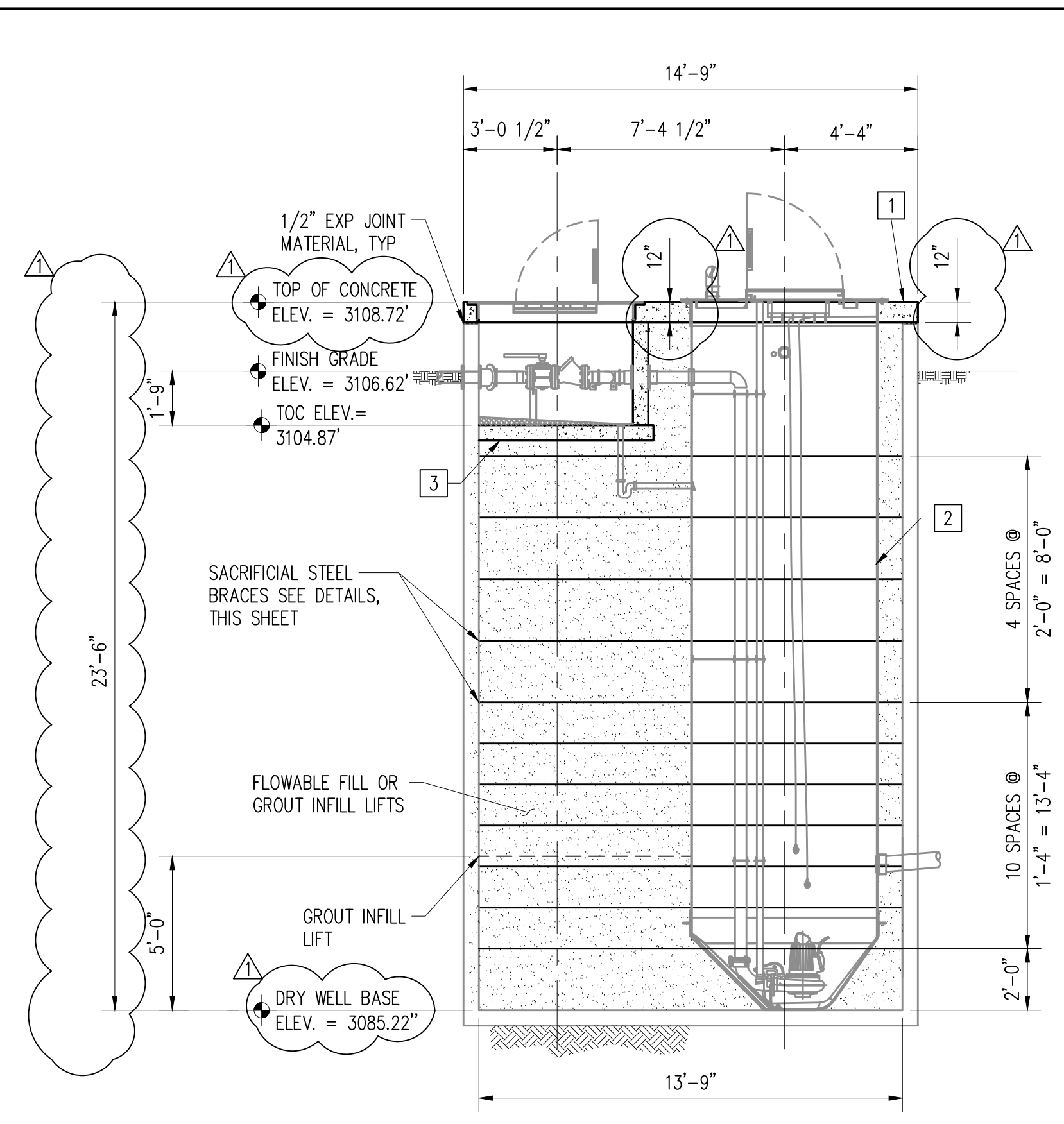
BHI PROJECT NO.	20210255	DWG. NO.	C-900R2	SHEET OF	11	29
-----------------	----------	----------	---------	----------	----	----

CALL BEFORE YOU DIG  
FOR UTILITY LOCATES  
1-800-321-ALERT



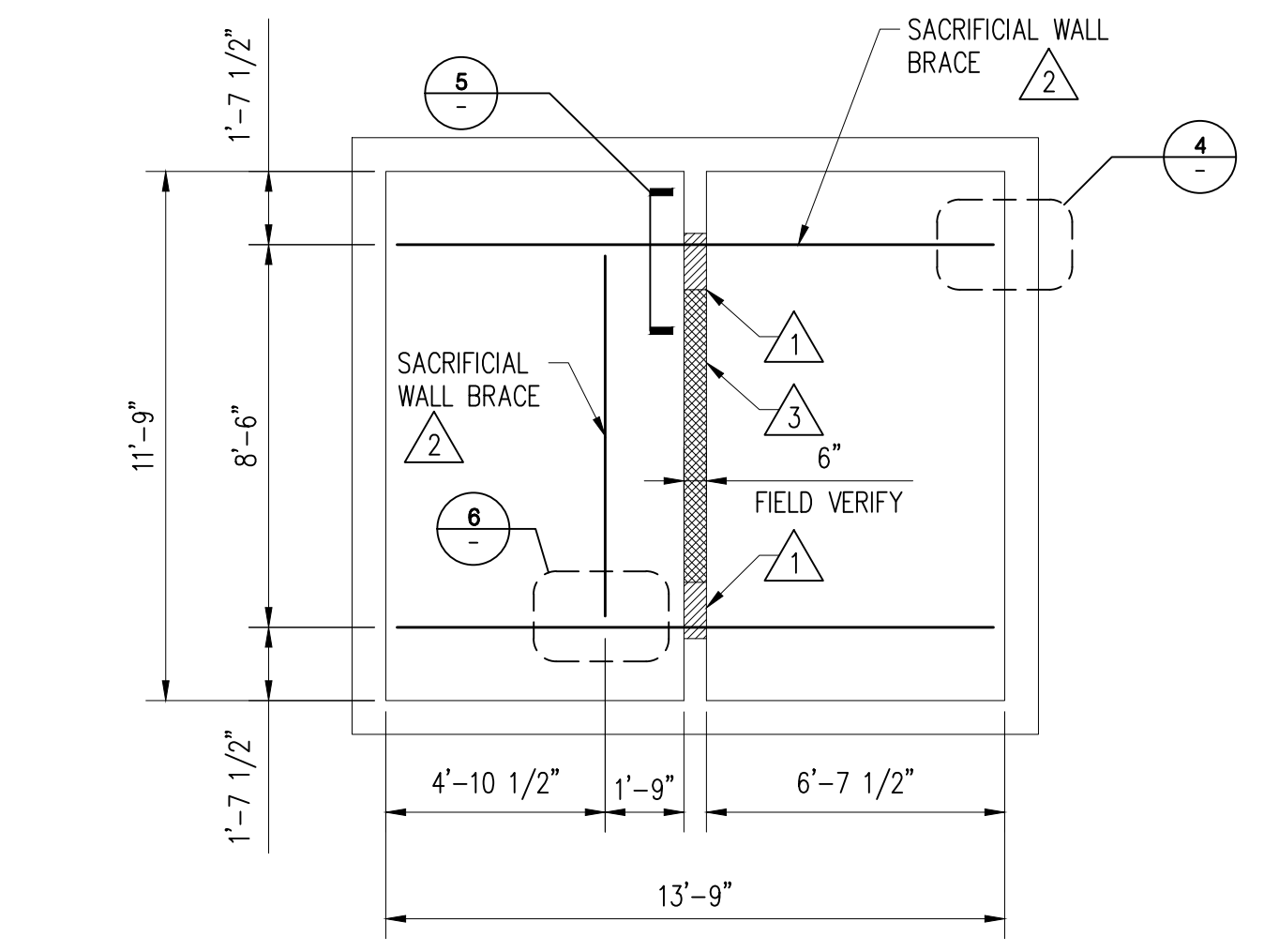
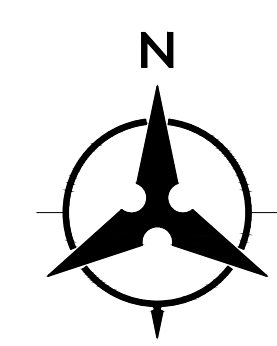


1 BATAAN LIFT STATION STRUCTURAL PLAN  
SCALE: 1/4" = 1'



A BATAAN LIFT STATION PROFILE  
SCALE: N.T.S.

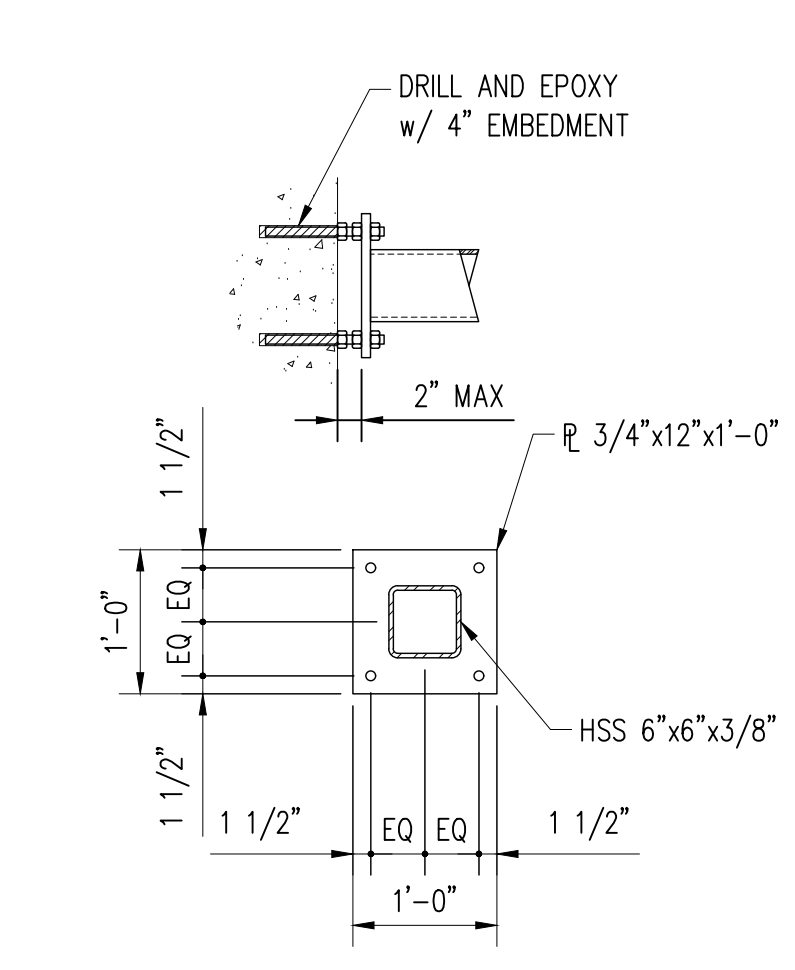
- KEYED NOTES:**
- 1 12" CAST-IN-PLACE CONCRETE SLAB. REINFORCE w/ #4 BARS @ 9" O.C. EACH WAY CENTERED IN SLAB
  - 2 6" PREFABRICATED FRP WET WELL, SEE CIVIL
  - 3 PRECAST CONCRETE VALVE VAULT WITH INSIDE DIMENSIONS SHOWN
  - 4 CAST-IN-PLACE EMBEDDED SOCKET FOR PORTABLE DAVIT CRANE MAST. SEE DWG LSI-C6 AND DETAIL 1/D-S1
  - 5 CONDUIT TRENCH, SEE DETAIL 2/D-S1
  - 6 UNREINFORCED CONCRETE BASE PAD



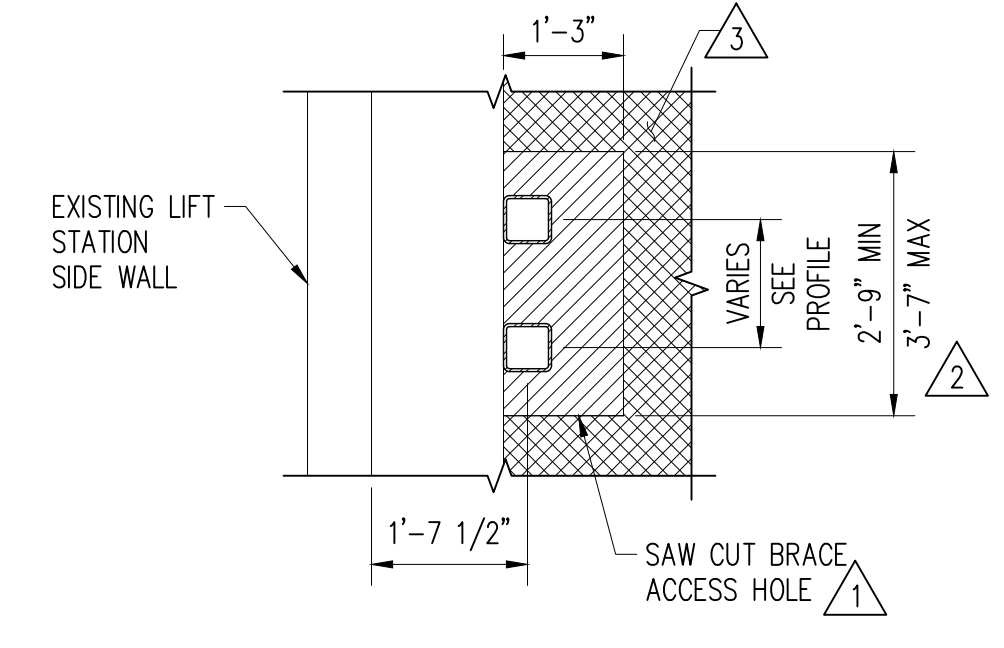
3 BRACING PLAN FOR WALL DEMOLITION  
SCALE: N.T.S.

**SEQUENCE NOTES FOR CENTER WALL DEMOLITION**

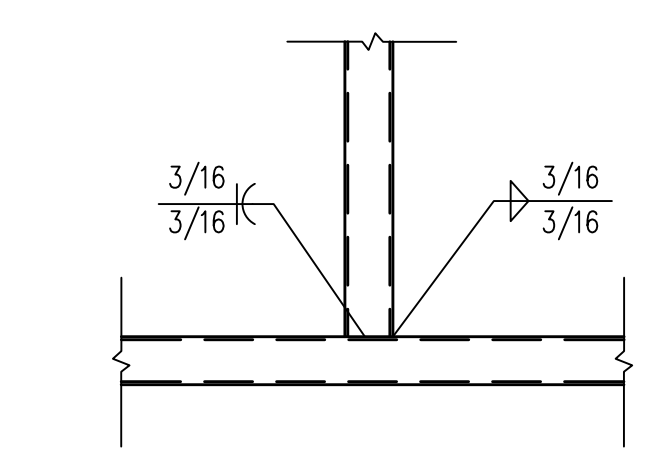
1. CUT ACCESS HOLES
2. INSTALL ALL BRACES FLUSH
3. DEMO CENTER WALL



4 BRACE CONNECTION DETAIL  
SCALE: N.T.S.



5 BRACE ACCESS HOLE DETAIL  
SCALE: N.T.S.



6 DETAIL  
SCALE: N.T.S.

<b>CALL BEFORE YOU DIG</b> FOR UTILITY LOCATES 1-800-321-ALERT	
ENGINEER'S SEAL	
AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK SHARED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	DATE
BENCH MARKS	
ALW	BY
REMARKS	
REVISONS	
DESIGN	
DESIGNED BY JEC	DATE 10-27-20
DRAWN BY JEC	DATE 10-27-20
CHECKED BY SIM	DATE 10-27-20

NOTICE OF EXTENDED PAYMENT PROVISION: THIS CONTRACT ALLOWS THE OWNERS TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT



**CITY OF CARLSBAD**  
**BATAAN LIFT STATION RENOVATION**  
**BATAAN LIFT STATION STRUCTURAL PLAN**

BHI PROJECT NO.	DWG NO.	SHEET	OF
20150413	S-200R1	17	28