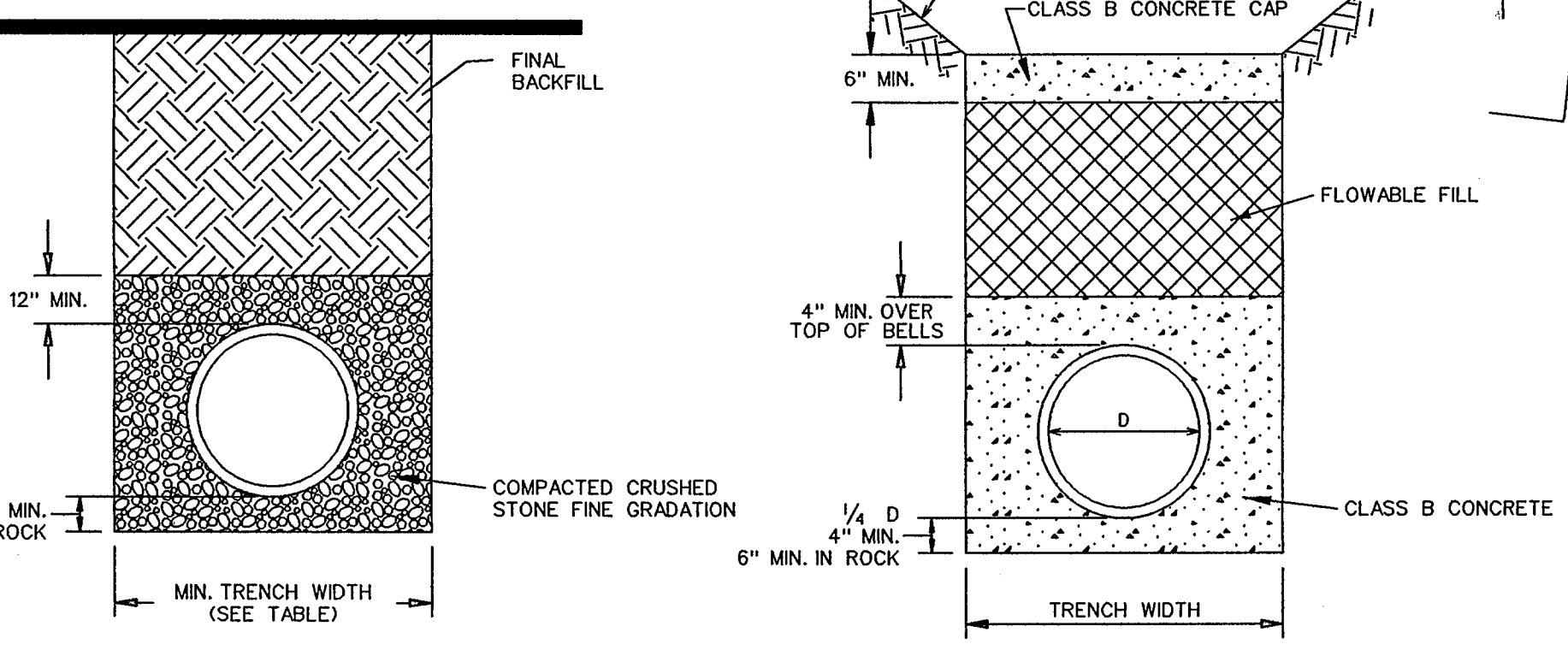
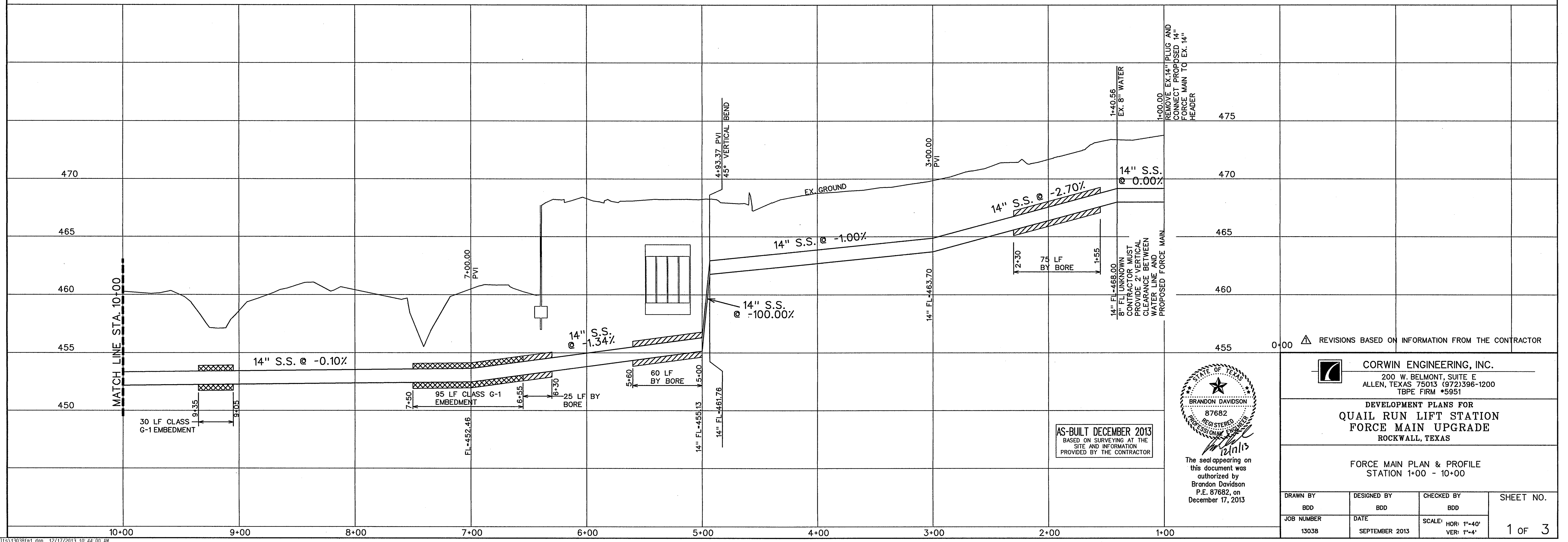


- LIFT STATION MODIFICATIONS REQUIRED**
1. ALL PUMP IMPROVEMENTS AND OPERATIONS OF THE LIFT STATION SHALL BE COORDINATED WITH THE CITY OF ROCKWALL.
 2. REPLACE IMPELLERS IN EACH OF TWO EXISTING FLYGT (XYLEM) CP3201 PUMPS WITH IMPELLERS RATED TO PRODUCE 2760 GPM AT 32 FEET TDH (335 mm NOMINAL IMPELLER DIAMETER) TO BE VERIFIED BY PUMP MANUFACTURER).
 3. IMPELLER REPLACEMENT ON FIRST PUMP SHALL OCCUR IMMEDIATELY BEFORE PLACING NEW FORCE MAIN IN SERVICE.
 4. ONLY ONE PUMP AT A TIME MAY BE TAKEN OUT OF SERVICE FOR A MAXIMUM OF 8 HOURS EACH FOR IMPELLER REPLACEMENT.
 5. VERIFY THAT FIRST PUMP MODIFIED OPERATES SATISFACTORILY FOR 48 HOURS BEFORE TAKING SECOND PUMP OUT OF SERVICE FOR IMPELLER REPLACEMENT.
- NOTE:
EXISTING UTILITIES SHOWN ARE A GRAPHICAL REPRESENTATION OF THE LOCATION BASED ON AS-BUILT DRAWINGS. ACTUAL LOCATION AND ELEVATION MAY BE DIFFERENT. CONTRACTOR MUST VERIFY ALL EXISTING UTILITIES FOR LOCATION AND ELEVATION PRIOR TO CONSTRUCTION.

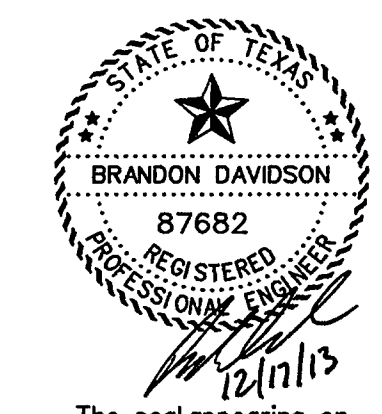
- NOTES:
- ALL FORCE MAIN TO BE AWWA C-905 PIPE DR18, COLORED GREEN.
 - INSTALL GREEN SANITARY SEWER MARKER PAD-EMS APPROX. EVERY 250 FEET AND AT EVERY CHANGE IN DIRECTION ABOVE FORCE MAIN.
 - DETECTOR TAPE SHALL BE REQUIRED ALONG FORCE MAIN. SEE TCEQ 217.66
 - FORCE MAIN SHALL BE INSTALLED WITH CLASS "B-4" IMBEDMENT EXCEPT WHERE NOTED OTHERWISE.
 - ALL PIPE FITTINGS SHALL USE RESTRAINED JOINTS
 - ALL NEWLY INSTALLED PIPE SHALL BE TESTED AS REQUIRED BY THE CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION.
 - ALL BORES WILL REQUIRE STEEL ENCASMENT PIPE AND SPACERS



CLASS "B-2" EMBEDMENT CLASS "G-1" EMBEDMENT



AS-BUILT DECEMBER 2013
BASED ON SURVEYING AT THE SITE AND INFORMATION PROVIDED BY THE CONTRACTOR



The seal appearing on this document was authorized by Brandon Davidson P.E. 87682, on December 17, 2013

CORWIN ENGINEERING, INC.
200 W. BELMONT, SUITE E
ALLEN, TEXAS 75013 (972)396-1200
TBPE FIRM #5951

DEVELOPMENT PLANS FOR
**QUAIL RUN LIFT STATION
FORCE MAIN UPGRADE**
ROCKWALL, TEXAS

FORCE MAIN PLAN & PROFILE
STATION 1+00 - 10+00

DRAWN BY BDD	DESIGNED BY BDD	CHECKED BY BDD	SHEET NO. 1 OF 3
JOB NUMBER 13038	DATE SEPTEMBER 2013	SCALE: HOR: 1"=40' VER: 1"=4'	