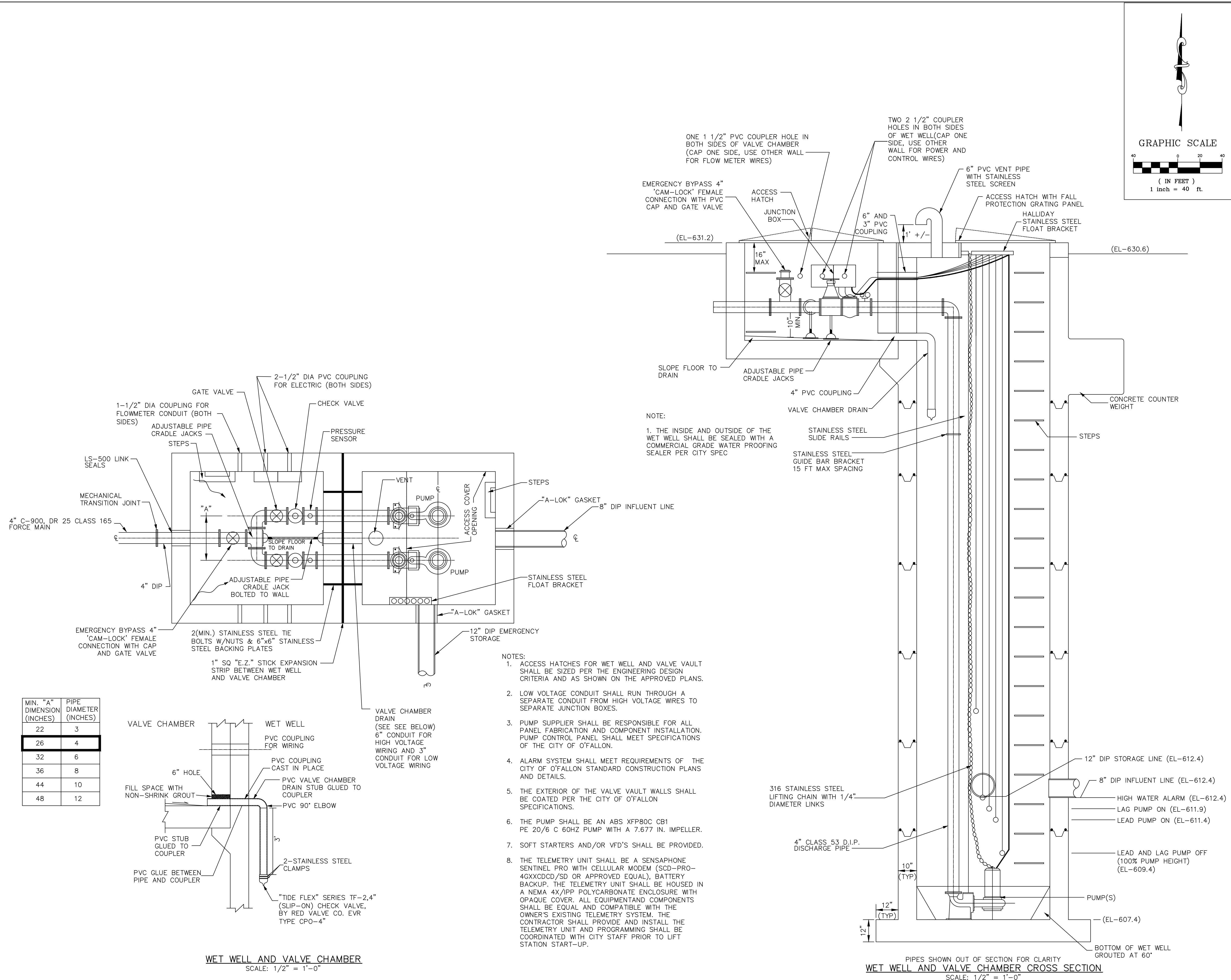
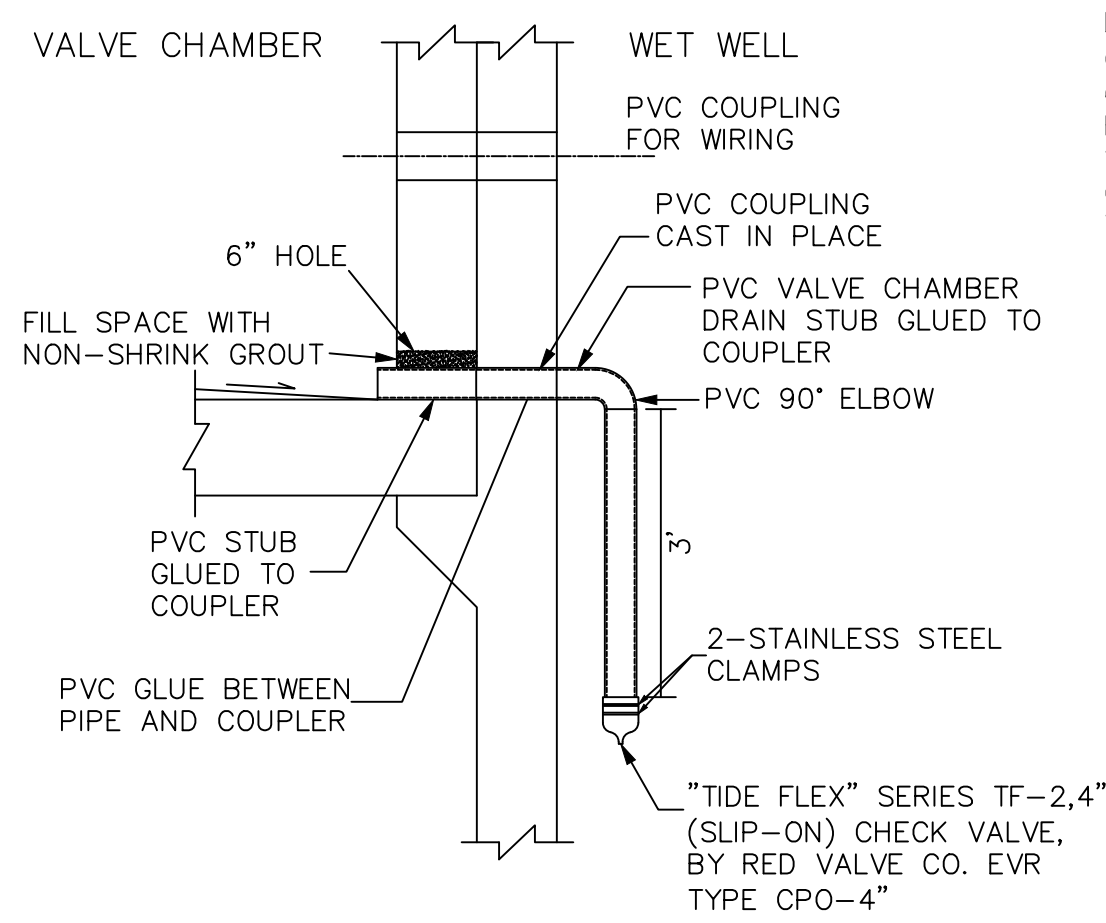


\\VAULTSERVER\Civil\3d Projects\19014\Construction\19014\Constsheets.dwg, ARCH full bleed D (24.00 x 36.00 inches), 1:1



MIN. "A" DIMENSION (INCHES)	PIPE DIAMETER (INCHES)
22	3
26	4
32	6
36	8
44	10
48	12



WET WELL AND VALVE CHAMBER
SCALE: 1/2" = 1'-0"

- NOTES:
1. ACCESS HATCHES FOR WET WELL AND VALVE VAULT SHALL BE SIZED PER THE ENGINEERING DESIGN CRITERIA AND AS SHOWN ON THE APPROVED PLANS.
 2. LOW VOLTAGE CONDUIT SHALL RUN THROUGH A SEPARATE CONDUIT FROM HIGH VOLTAGE WIRES TO SEPARATE JUNCTION BOXES.
 3. PUMP SUPPLIER SHALL BE RESPONSIBLE FOR ALL PANEL FABRICATION AND COMPONENT INSTALLATION. PUMP CONTROL PANEL SHALL MEET SPECIFICATIONS OF THE CITY OF O'FALLON.
 4. ALARM SYSTEM SHALL MEET REQUIREMENTS OF THE CITY OF O'FALLON STANDARD CONSTRUCTION PLANS AND DETAILS.
 5. THE EXTERIOR OF THE VALVE VAULT WALLS SHALL BE COATED PER THE CITY OF O'FALLON SPECIFICATIONS.
 6. THE PUMP SHALL BE AN ABS XFP80C CB1 PE 20/6 C 60HZ PUMP WITH A 7.677 IN. IMPELLER.
 7. SOFT STARTERS AND/OR VFD'S SHALL BE PROVIDED.
 8. THE TELEMETRY UNIT SHALL BE A SENSAPHONE SENTINEL PRO WITH CELLULAR MODEM (SCD-PRO-4GXCD/SD OR APPROVED EQUAL), BATTERY BACKUP. THE TELEMETRY UNIT SHALL BE HOUSED IN A NEMA 4X/1PP POLYCARBONATE ENCLOSURE WITH OPAQUE COVER. ALL EQUIPMENT AND COMPONENTS SHALL BE EQUAL AND COMPATIBLE WITH THE OWNER'S EXISTING TELEMETRY SYSTEM. THE CONTRACTOR SHALL PROVIDE AND INSTALL THE TELEMETRY UNIT AND PROGRAMMING SHALL BE COORDINATED WITH CITY STAFF PRIOR TO LIFT STATION START-UP.

PIPES SHOWN OUT OF SECTION FOR CLARITY
WET WELL AND VALVE CHAMBER CROSS SECTION
SCALE: 1/2" = 1'-0"

PROJECT TITLE:
THORNWOOD APARTMENTS
THORNBUARY CROSSING DRIVE
O'FALLON, MO 63366

ENGINEERING
PLANNING
SURVEYING

221 Point West Blvd.
St. Charles, MO 63301
636-928-5552
FAX 636-928-1718

DISCLAIMER OF RESPONSIBILITY
I hereby certify that the documents intended to be authenticated by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other drawings, specifications, estimates, reports or other documents or instruments relating to or intended to be used for any part or parts of the architectural or engineering project or survey.

CLIFFORD L. HEITMANN
Civil Engineer
Engineers License E-29817

REVISIONS

NO.	DATE	DESCRIPTION
07-25-24		CITY COMMENTS
08-15-24		CITY COMMENTS

Bax Engineering Company, Inc.
Missouri State Certificate of Authority
Engineering #000555
Missouri State Certificate of Authority
Surveying #000144

Developer / Owner:
MRS TROMBONE LLC
1100 WOODCHASE LANE
CHESTERFIELD, MO 63071
314-469-0029

LIFT STATION DETAILS

P+Z No. 23-010426
Approval Date: 1-4-24
City No. #
Page No. 30 of 34