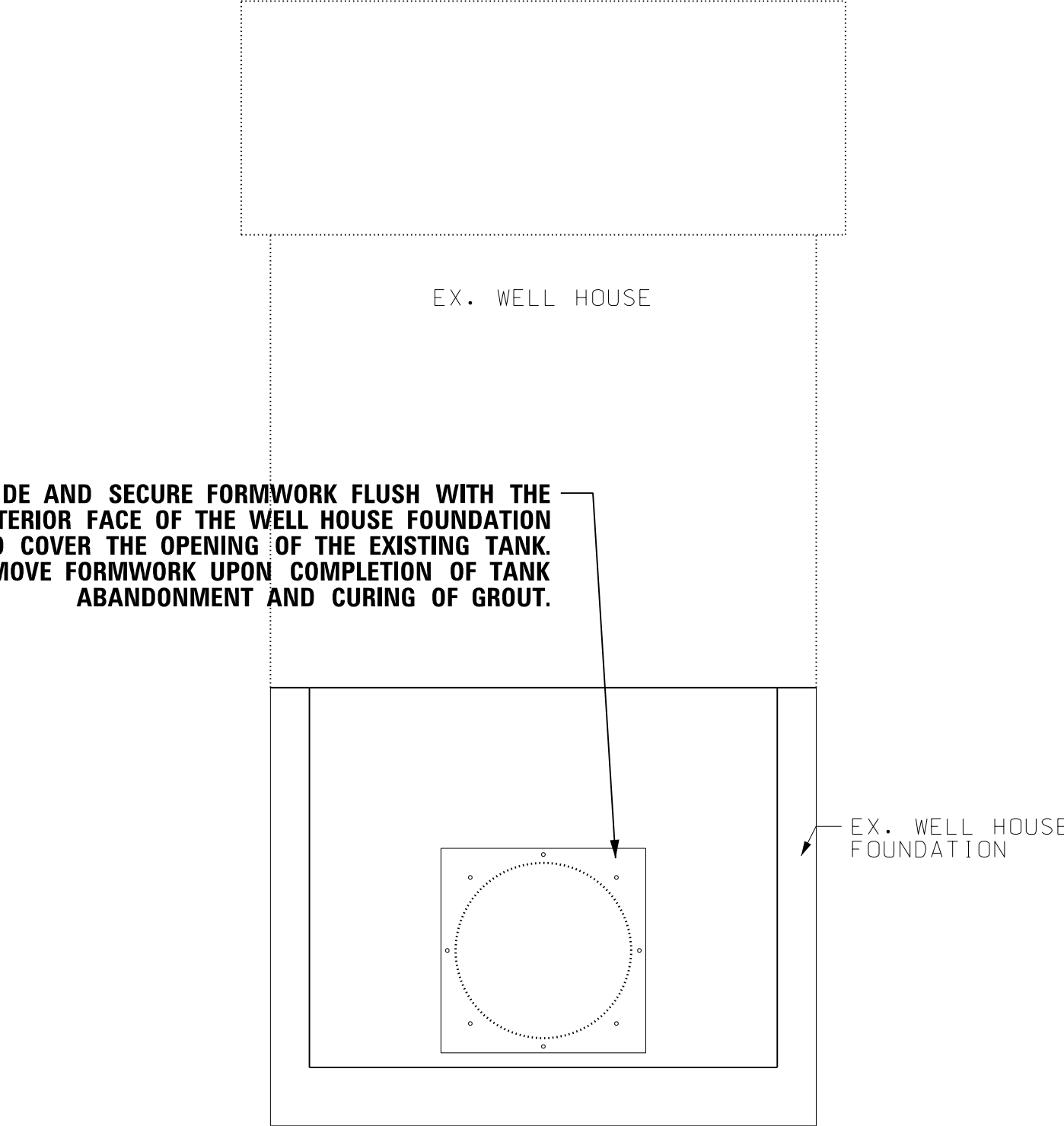
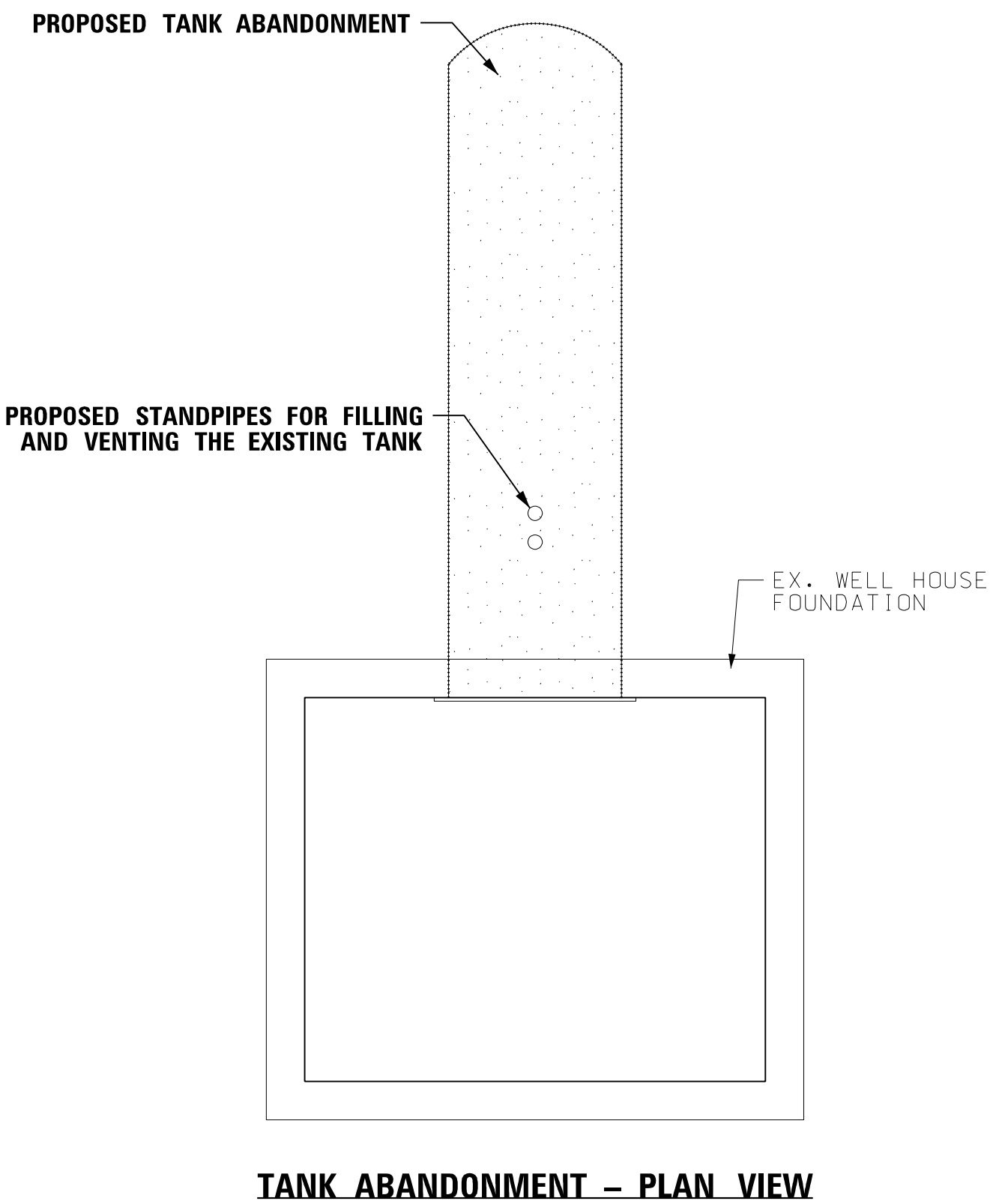


- NOTES:**
- UPON COMPLETION OF WORK, THE SITE SHALL BE RESTORED WITH A MINIMUM OF 4-INCHES OF TOPSOIL, CLASS 1 SEED, AND EROSION CONTROL BLANKET. THE APPROXIMATE RESTORATION AREA IS 110 SQUARE YARDS.
 - THE CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN A SECURE LOCK BOX AT THE WELL HOUSE FOR THE DURATION OF THE PROJECT. THE LOCK BOX SHALL ALLOW ACCESS FOR THE OWNER AND OWNER'S REPRESENTATIVES AT ALL TIMES AND SHALL REMAIN UNTIL FINAL ACCEPTANCE. THE CONTRACTOR SHALL PROVIDE ACCESS CODES AND/OR KEYS AS NECESSARY. ANY COSTS ASSOCIATED WITH THE LOCK BOX SHALL BE INCIDENTAL TO THE WELL HOUSE DEMOLITION AND RECONSTRUCTION.
 - PRIOR TO WELL HOUSE DEMOLITION, THE CONTRACTOR SHALL SUBMIT A TEMPORARY WEATHER PROTECTION PLAN TO THE ENGINEER FOR REVIEW. DEMOLITION WILL RESULT IN THE EXISTING EQUIPMENT ROOM BEING OPEN AND EXPOSED TO WEATHER. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY WATER-TIGHT COVERINGS, INCLUDING TARPS, TEMPORARY FRAMING, OR SEALANTS, TO FULLY PROTECT THE OPEN EQUIPMENT ROOM AND ALL EXISTING EQUIPMENT FROM RAIN AND MOISTURE. ALL TEMPORARY WEATHER PROTECTION SHALL REMAIN IN PLACE AND SECURE AT ALL TIMES, INCLUDING OVERNIGHT AND DURING FORECASTED INCLEMENT WEATHER, UNTIL PERMANENT CONSTRUCTION IS COMPLETE. ALL COSTS FOR TEMPORARY WEATHER PROTECTION SHALL BE INCIDENTAL TO WELL HOUSE DEMOLITION AND RECONSTRUCTION.
 - THE EXISTING WATER MAIN SYSTEM, WELL, PRESSURE TANKS, AND CHLORINE INJECTION SYSTEM SHALL REMAIN OPERATIONAL THROUGHOUT THE DURATION OF THE WORK. TEMPORARY DISRUPTIONS TO SERVICE WILL BE PERMITTED ONLY AS NECESSARY TO COMPLETE THE WORK AND SHALL BE COORDINATED WITH THE OWNER AND ENGINEER.
 - MINOR DISRUPTIONS SHALL NOT EXCEED 2 HOURS IN DURATION AND SHALL MAINTAIN CONTINUOUS FLOW THROUGH THE WELL HOUSE.
 - MAJOR DISRUPTIONS SHALL BE LIMITED TO 2 TO 6 HOURS IN DURATION AND MAY INTERRUPT FLOW THROUGH THE WELL HOUSE.
 ALL MAJOR DISRUPTIONS SHALL BE COORDINATED WITH THE OWNER AND ENGINEER A MINIMUM OF 4 CALENDAR DAYS IN ADVANCE.
 - TO MAINTAIN OPERATION OF THE EXISTING WATER SYSTEM, THE CONTRACTOR SHALL TEMPORARILY RELOCATE, SUPPORT, AND PROTECT MECHANICAL AND ELECTRICAL EQUIPMENT AND PANELS AS REQUIRED TO FACILITATE DEMOLITION AND RECONSTRUCTION OF THE WELL HOUSE. ALL COSTS ASSOCIATED WITH MAINTAINING CONTINUOUS OPERATION OF THE EXISTING WATER SYSTEM SHALL BE CONSIDERED INCIDENTAL TO WELL HOUSE DEMOLITION AND RECONSTRUCTION.
 - CONDITIONS OF WATER SYSTEM OPERATION:
 - WHEN THE WELL IS IN OPERATION, THERE SHALL ALSO BE AT LEAST ONE HYDROPNEUMATIC TANK IN OPERATION.
 - THE CHLORINE INJECTION SYSTEM SHALL REMAIN OPERATIONAL WHEN WELL IS IN OPERATION.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SITE SECURITY AND PUBLIC SAFETY THROUGHOUT CONSTRUCTION. AREAS OF THE WATER SYSTEM THAT ARE EXPOSED DURING DEMOLITION AND RECONSTRUCTION SHALL BE SECURED AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY FENCING, BARRICADES, AND FALL PROTECTION MEASURES AS NECESSARY TO PREVENT UNAUTHORIZED ACCESS AND FALL PROTECTION FOR OPEN STRUCTURES, EQUIPMENT, AND ALL OTHER HAZARDS. ALL SECURITY AND SAFETY MEASURES SHALL REMAIN IN PLACE UNTIL PERMANENT CONSTRUCTION IS COMPLETE OR THE HAZARD IS REMOVED. COSTS ASSOCIATED WITH SITE SECURITY SHALL BE INCIDENTAL TO WELL HOUSE DEMOLITION AND RECONSTRUCTION.
 - THE CONTRACTOR SHALL SUBMIT A WELL DEFINED TASK SPECIFIC CONSTRUCTION SCHEDULE TO THE OWNER PRIOR TO THE START OF CONSTRUCTION FOR THE OWNER'S REVIEW AND APPROVAL. THE CONTRACTOR SHALL INFORM THE OWNER AND ENGINEER OF ALL CHANGES IN THE CONSTRUCTION SCHEDULE AS SOON AS THEY BECOME APPARENT.

ABANDON THE EXISTING HYDROPNEUMATIC TANK IN PLACE BY FILLING WITH LOW-STRENGTH CEMENT GROUT (ELASTIZELL PS-120 OR APPROVED EQUAL). THE TANK SHALL BE COMPLETELY PUMPED FULL OF GROUT. PROVIDE TWO TEMPORARY STANDPIPES ON THE EXISTING TANK, ONE FOR GROUT PUMPING AND ONE FOR AIR RELEASE. UPON COMPLETION OF GROUT PLACEMENT, REMOVE ALL STANDPIPES AND RESTORE THE SITE TO EXISTING CONDITIONS. ALL WORK SHALL BE PERFORMED WITHIN LCPW PROPERTY AND EASEMENTS AS DELINEATED ON THE PLANS. SEE NOTES AND DETAILS TO THE RIGHT.



NOTE:
THE CONTRACTOR MAY TEMPORARILY REMOVE THE THREE (3) 100-GALLON HYDROPNEUMATIC TANKS FROM THE WELL HOUSE LOWER LEVEL AS REQUIRED TO COMPLETE THE WORK. THE HYDROPNEUMATIC TANKS SHALL NOT BE OUT OF SERVICE FOR A PERIOD EXCEEDING SEVEN (7) CONSECUTIVE DAYS. THE CONTRACTOR SHALL COORDINATE WITH LAKE COUNTY PUBLIC WORKS A MINIMUM OF FOUR (4) BUSINESS DAYS PRIOR TO TAKING THE TANKS OUT OF SERVICE.

REVISIONS	NO. 3	DATE	BY	CHKD.
1	3/20/2024			
PROJECT		DATE	SHEET	
PROPOSED SITE PLAN, EROSION CONTROL PLAN AND CONSTRUCTION DETAILS			C102	
HIGHLAND LAKE WATER SYSTEM IMPROVEMENTS GERWAL WELL HOUSE				
HMG ENGINEERS, INC. 975 CAMPUS DRIVE MUNDELEIN, ILLINOIS 60060 WWW.HMGENGINEERS.COM (847) 362-5959				
SURVEY		DAA		
DESIGN		DAA, GSL		
DRAWN		DAA, GSL		
CHECKED		CSB		
DATE		JANUARY 2024		
JOB NO. 8572				