

**BENCHMARK INFORMATION**

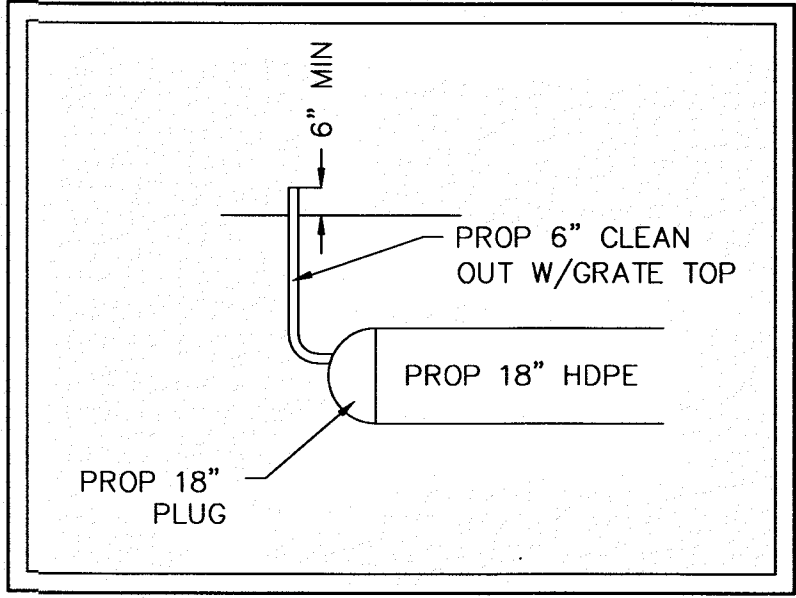
TBM #1: ELEV. = 552.63  
 "X" CUT LOCATED APPROXIMATELY 10 FEET EAST AND 37 FEET NORTH OF THE SOUTHEAST PROPERTY CORNER OF THE SUBJECT PROPERTY

TBM #2: ELEV. = 558.79  
 "X" CUT LOCATED APPROXIMATELY 16 FEET EAST AND 56 FEET SOUTH OF THE SOUTHWEST PROPERTY CORNER OF THE SUBJECT PROPERTY



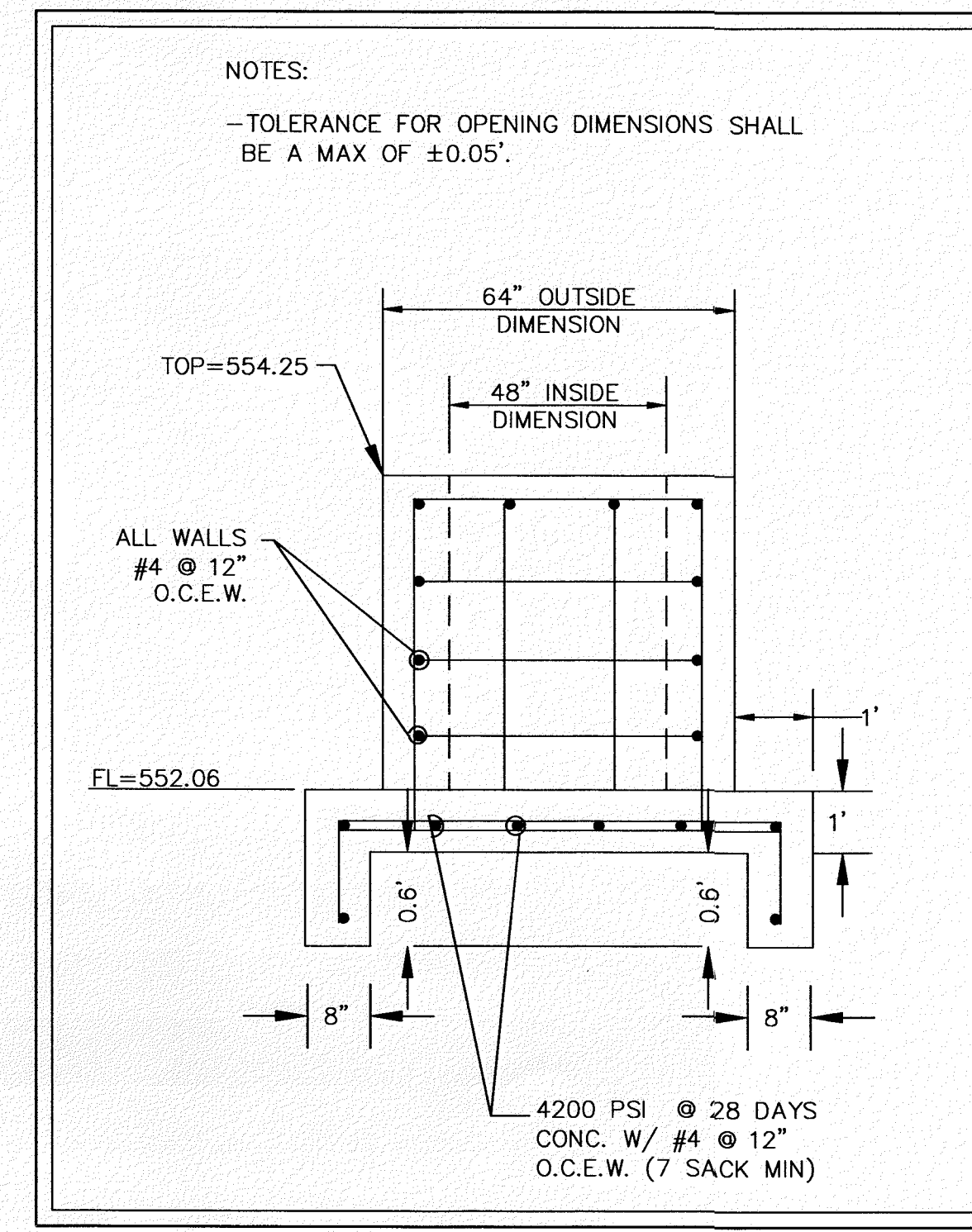
**GRADING LEGEND**

I.R.F.	IRON ROD FOUND	SSMH	SANITARY SEWER MANHOLE
I.R.S.	IRON ROD SET	⊕	FIRE HYDRANT
"x"	CUT X IN CONCRETE	⊗	WM WATER METER
F.C.P.	FENCE CORNER POST	T.C.	TOP OF CURB
///	ASPHALT	G	GUTTER
⊙	TELEPHONE MANHOLE	T.P.	TOP OF PAVEMENT
⊗	POWER POLE	N.G.	NATURAL GROUND
⊙	LIGHT POLE	---	EXISTING CONTOURS
⊗	WATER VALVE	---	PROPOSED CONTOURS

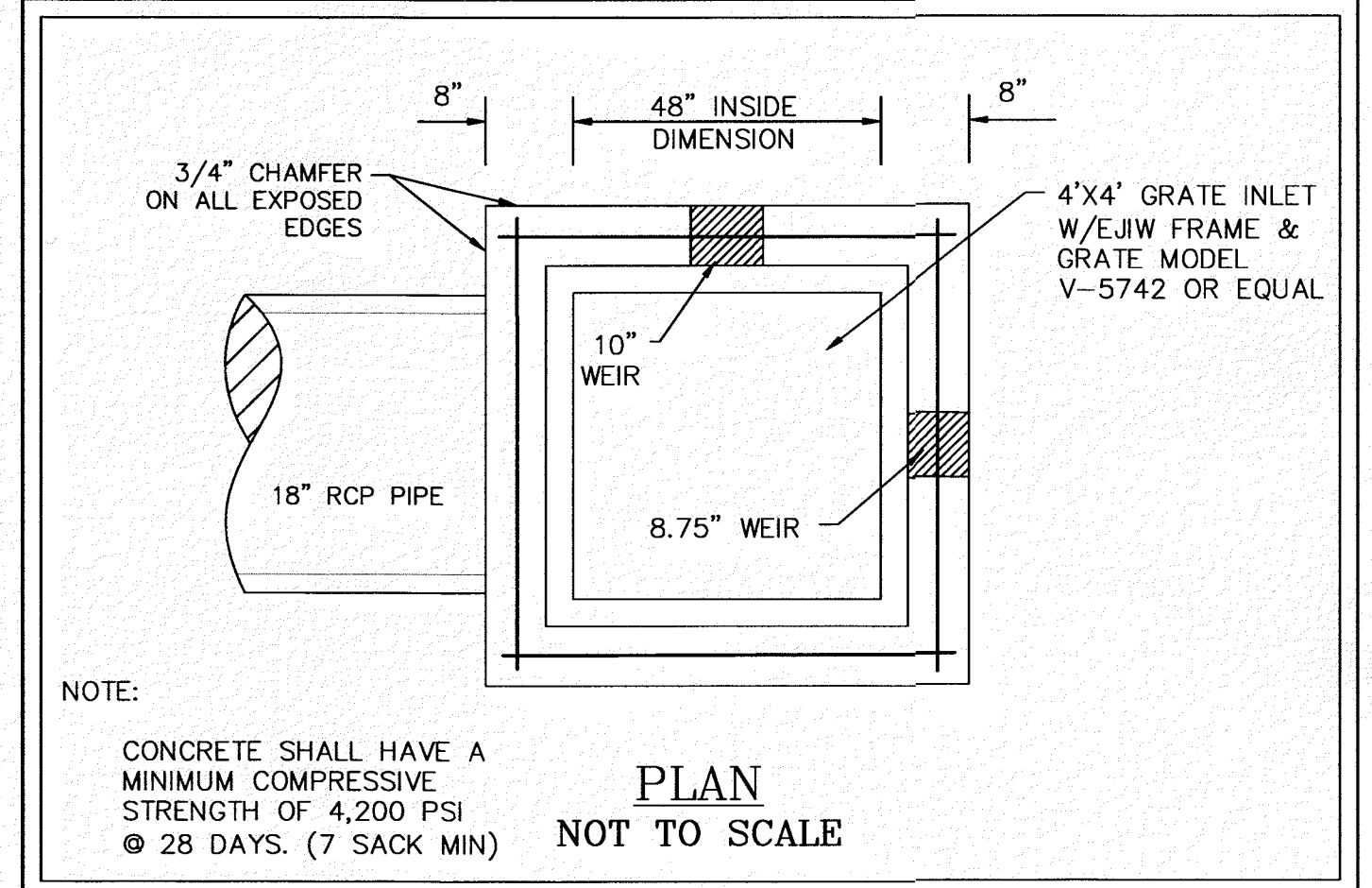


THE CONTRACTOR SHALL CONTACT DIG-TESS AT 1-800-344-8377 AND CITY SERVICE CENTER AT 972-772-7730 FOR LINE LOCATES A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES

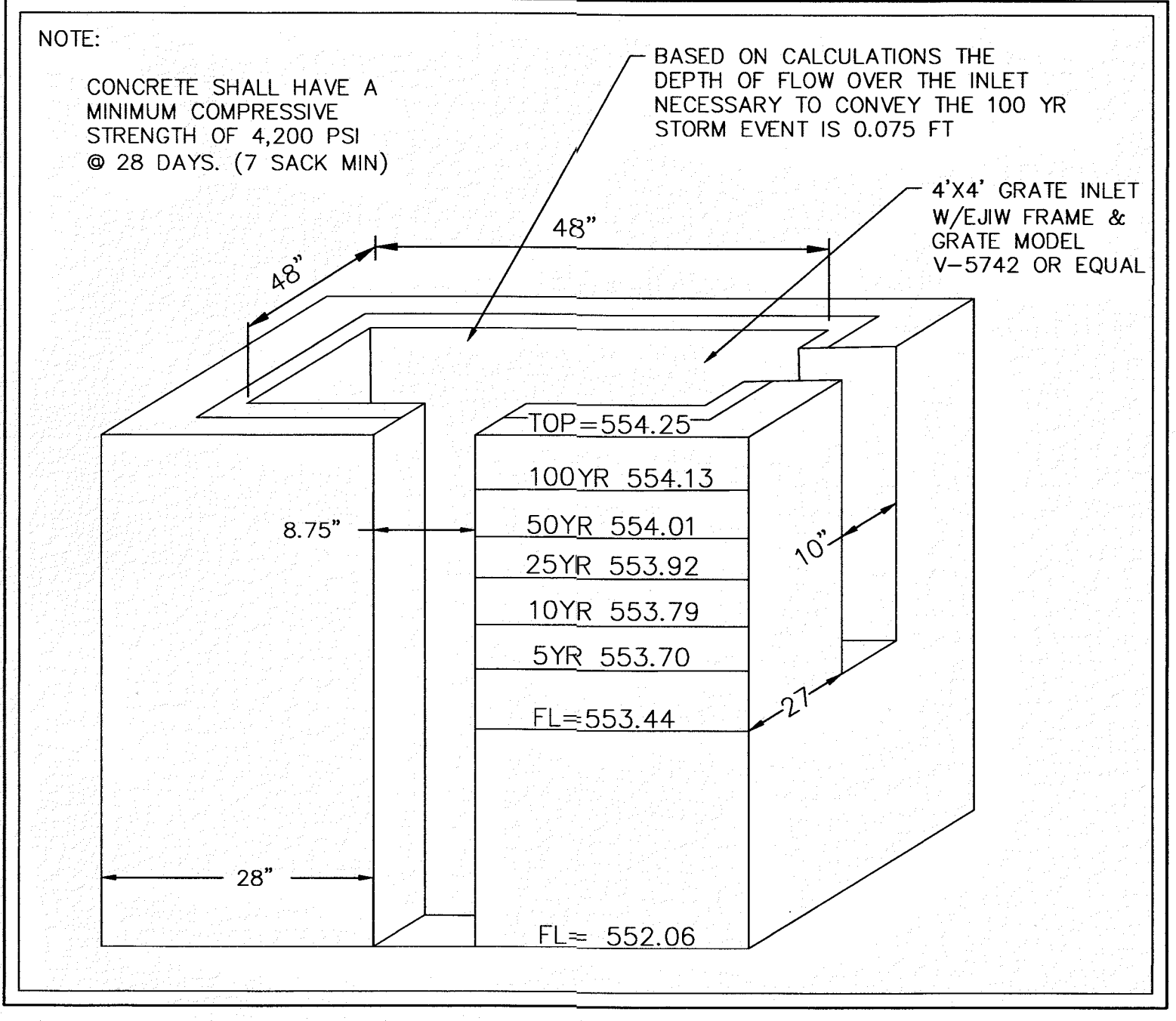
**PLUG DETAIL**  
NOT TO SCALE



**4'x4' OUTLET CONTROL DEVICE**  
NOT TO SCALE



**OUTLET STRUCTURE DETAIL**  
NOT TO SCALE



**4'x4' OUTLET CONTROL DEVICE**  
NOT TO SCALE

**EQUATION:**  
 $Q = 4.82A^{1/2}$   
 ALLOWABLE RELEASE RATE:  
 Q = 7.96 CFS  
 GRATE INLET AREA = 6.03 SF  
 RESULT:  
 Y = 0.075'

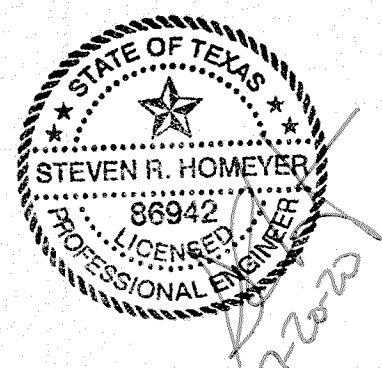
**OUTLET STRUCTURE OVERFLOW DEPTH CALCULATIONS**

**NOTE:**  
 PROPERTY OWNER WILL BE RESPONSIBLE FOR MAINTAINING, REPAIR, AND REPLACEMENT OF THE DETENTION/DRAINAGE SYSTEM

**RECORD DRAWING**

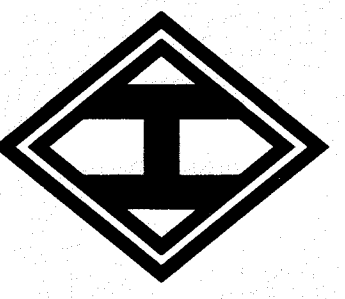
The record drawing herein reflects to the best of the design engineer's knowledge, the approximate location of the constructed improvements using information based on surveying at the site and information provided by the contractor.

Steven R. Homeyer, P.E. #86942  
 Date 7-20-20



CASE NO. SP2019-017

**HOMEYER ENGINEERING, INC.**  
 ENGINEERING, INC.  
 TBEI FIRM REGISTRATION NO. F-84440  
 P.O. BOX 204527 • LEWISVILLE, TEXAS • 75029  
 972-906-9985 PHONE • 972-906-9987 FAX  
 WWW.HEI.US.COM



CANINE AND CO. RESORT  
 1.21 ACRES  
 CITY OF ROCKWALL  
 ROCKWALL COUNTY, TEXAS

**DETENTION POND PLAN**

**REVISIONS**

- 07-20-20 1. REVISED NORTHEAST BLDG ENTRY, SIDEWALK & ELEVATIONS
2. REVISED DETENTION POND ELEVATIONS
3. REVISED 5' CONCRETE FLUME ELEVATIONS
4. REVISED 18" STORM PIPE SLOPE, AND FLOW LINE
5. REVISED OUTLET STRUCTURE

DRAWN: JAN

DATE: 09/28/2018

HEI #: 18-140

SHEET NO:

C8