

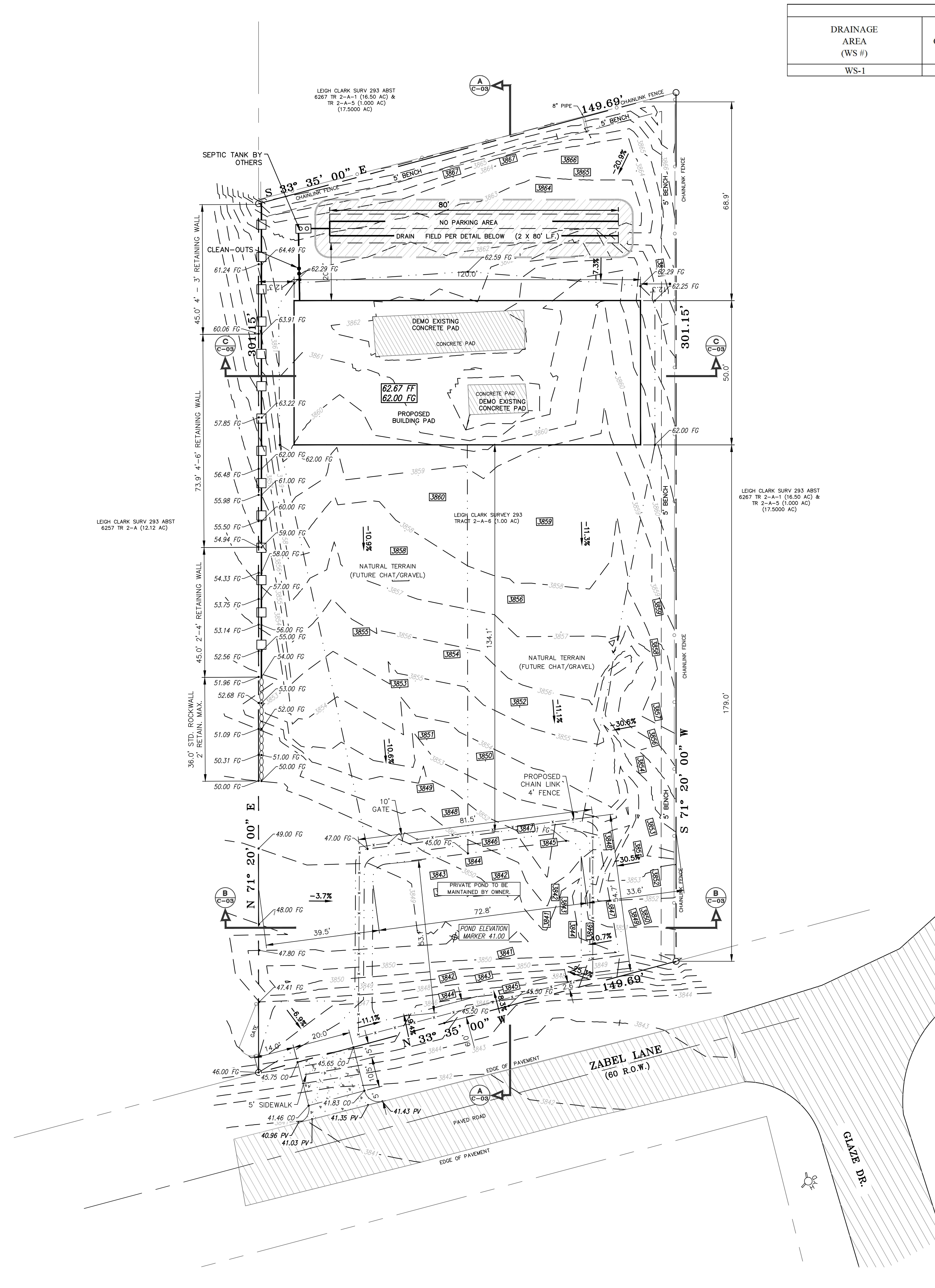
### LEGEND

XXXX PV - SPOT ELEVATIONS  
 EG - EXISTING GRADE  
 CO - TOP OF CONCRETE  
 TC - TOP OF CURB  
 RC - TOP OF ROLLED CURB  
 HC - TOP OF HEADER CURB  
 GU - GUTTER  
 PV - TOP OF PAVEMENT  
 SW - TOP OF SIDEWALK  
 TOP RW - TOP OF RETAINING WALL  
 WALLBASE - FG @ BOTTOM OF WALL  
 TOP RETAIN - TOP OF RETAINING WALL  
 FF - FINISHED FLOOR  
 FL - FLOW LINE  
 SWALE - SWALE  
 MATCH - MATCH GRADE

---3.775--- EXISTING CONTOUR  
 [3.750] PROPOSED CONTOUR  
 [3.750 TOP] PROPOSED TOP OF POND  
 [3.750 BOP] PROPOSED BOTTOM OF POND  
 [3.750 HW] HIGH WATER ELEVATION

[---] WATERSHED  
 [---] PROPERTY LINE  
 [---] EASEMENT  
 [---] ROAD CENTERLINE  
 [---] WAT - WATER LINE  
 [---] SS - SEWER LINE  
 [---] GAS - GAS LINE  
 [---] E - ELECTRIC SERVICE LINE  
 [---] TEL - TELEPHONE SERVICE  
 [---] CHAINLINK FENCE  
 [---] BARB WIRE FENCE  
 [---] PROPOSED ROCKWALL  
 [---] EXISTING ROCKWALL  
 [---] PROPOSED RETAINING WALL  
 [---] STORM DRAINAGE PIPE  
 [---] SURFACE DRAINAGE  
 [---] HIGH POINT  
 [---] LOW POINT  
 [---] FIRE HYDRANT  
 [---] LIGHT POLE  
 [---] TELEPHONE MANHOLE  
 [---] TELEPHONE BOX  
 [---] UTILITY POLE  
 [---] GUARD POST  
 [---] ELECTRIC BOX  
 [---] SIGN POST  
 [---] SURVEY MONUMENT  
 [---] CITY MONUMENT

[---] POND ELEVATION MARKER XXXX.XX PERMANENT ELEV. MARKER  
 [---] HW ELEV: XXXX.XX POND HIGH WATER ELEVATION  
 [---] FLOW ARROW



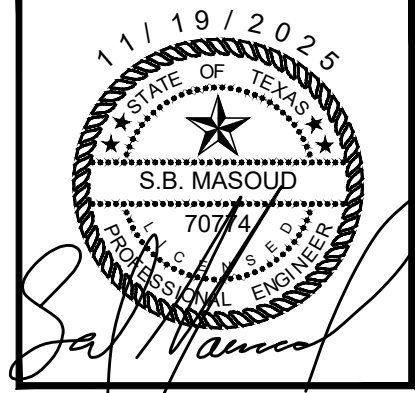
RESIDENTIAL ONSITE PONDING CALCULATION							
DRAINAGE AREA (WS #)	RUNOFF COEFFICIENT (C)	RAINFALL (INCHES) (R)	AREA (SF) (A)	AREA (ACRES) (A)	ESTIMATED RUNOFF (C*R*A / 12) (QT)	REQUIRED PONDING (Cu. Ft.)	REQUIRED PONDING (Ac. Ft.)
WS-1	0.60	4.00 IN	43,560.00 FT	1.000 AC	0.200 AC-FT	8,712.00 CF	0.200 AC-FT
					TOTAL PONDING REQUIRED	8,712.00 CF	0.200 AC-FT
					TOTAL PONDING PROVIDED	8,764.00 CF	0.201 AC-FT
		POND DEPTH:	4.00 FT	WATER DEPTH		3.98 FT	

PONDING VOLUME CALCULATION (ON-SITE PONDING)			
TOTAL TOP OF POND AREA:	3,589.00 SF		
TOTAL BOTTOM OF POND AREA:	793.00 SF		
POND DEPTH:	4.00 FT		
POND VOLUME:	8,764.00 CF	0.201 AC-FT	

PONDING VOLUME CALCULATION (RESIDENTIAL ON-SITE PONDING) - CALC'S				
POND "A"	CONTOUR AREA (S.F.)	ELEVATION (FT)	POND VOLUME (Cu. Ft.)	POND VOLUME (Ac. Ft.)
TOP ELEVATION	3,589.00	3,850.00		
BOTTOM ELEVATION	793.00	3,846.00	8,764.00	0.201

Release Dates:  
Revisions:

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY SAL B. MASOUD, P.E. 70774. ALTERATIONS OF A SEALED DOCUMENT WITHOUT PROPER NOTIFICATION TO THE RESPONSIBLE ENGINEER IS AN OFFENSE UNDER THE TEXAS ENGINEERING PRACTICE ACT.



All drawings submitted in relation to this project, Architectural, Civil, Mechanical/Structural, Electrical, Landscaping, etc. are intended for the Contractor and Subcontractors shall review and coordinate the entire Set of drawings and project specifications. The Contractor shall be responsible for verifying all data shown on the plans. If discrepancies are found, the Contractor shall notify the owner or Engineer immediately so that proper corrections can be made.

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**GRADING AND DRAINAGE PLAN-FH LOCATION**  
**980 ZABEL LANE**  
 TRACT 2-A-6  
 LEIGH CLARK SURVEY No. 293  
 EL PASO COUNTY, TEXAS  
 CONTAINING: 1.000 ± ACRES RESIDENTIAL G&D

Project #: J25-044  
 Print Date: 11/19/2025  
 SHEET: C-02a  
 Design By: AF  
 Drawn By: OG  
 Scale: 1"=20'



**CALL BEFORE YOU DIG**  
 TEXAS 811:  
 811 OR 800-344-8377  
 IT'S THE LAW

**NOTE:**  
 1. PRIVATE POND TO BE MAINTAINED BY OWNER.  
 2. ALL LANDSCAPE AREAS LOCATED IN DESIGNATED PONDING AREA SHALL HAVE PERMEABLE WEED BARRIER TO ALLOW WATER TO FILTRATE TO SOIL. PLASTIC IS NOT ALLOWED.

