LEGEND:

DAYLIGHT

WALKOUT

TF	TOP OF FOUNDATION
BF	BASEMENT FLOOR
GF	GARAGE FLOOR
EX	EXISTING
PR	PROPOSED

HUB ELEVATIONS AS STAKED:

HUB (1)	991.47 EX	F-2.53 TF
HUB (2)	996.36 EX	F-0.64 TF
HUB (3)	996.42 EX	F-0.58 TF
HUB (4)	995.42 EX	F-1.58 TF

100 YEAR OVERFLOW SWALES

SECTION	DRAINAGE AREA (AC.)	Q100 (CFS)	Q10 (CFS)	DESIGN OVERFLOW (CFS)	BED SLOPE (%)	BASE WIDTH (FT.)	SIDE SLOPE	TOP WIDTH (FT.)	NORMAL DEPTH (FT.)	VELOCITY (FPS)	VELOCITY HEAD (FT.)	EGL (FT.)
C-C	0.93	6.12	-	6.12	6.50	5	3:1	6.44	0.24	4.46	0.31	0.55

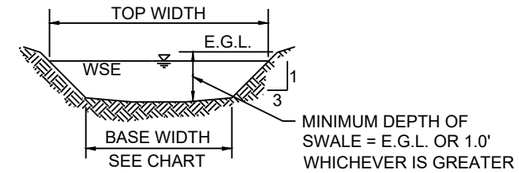
RUNOFF CALCULATIONS:

Q = K * C * I * A

K_{10} = 1.0 K_{100} = 1.25 C = 0.51 I = INTENSITY

DESIGN OVERFLOW=$Q_{OVERFLOW}$ = Q_{100} - Q_{10}

MANNINGS "n" = .030 FOR SWALES



100 YR OVERFLOW SWALE SECTIONS

SECTION 1-2

LOT GRADE CHECK NOTE:

THIS LOT GRADE CHECK ONLY VERIFIES THE TOP OF FOUNDATION, MIDPOINTS OF LOT LINES AND LOT CORNER ELEVATIONS. IT DOES NOT CONSTITUTE A CERTIFICATION OF INTERIOR LOT GRADING. PROPER INTERIOR DRAINAGE SHOULD BE VERIFIED BY THE BUILDER'S EXCAVATOR.

1000.0 (CE) = CURRENT ELEVATION

NOTE:

DUE TO MINIMAL DRAINAGE ON THE LOT, AS-GRADED PLOT PLAN PER SECTION 7-160, CODE OF ORDINANCES, IS REQUIRED PRIOR TO OCCUPANCY.

LOT AREA = 10,800.00 SQ. FT.

NOTES:

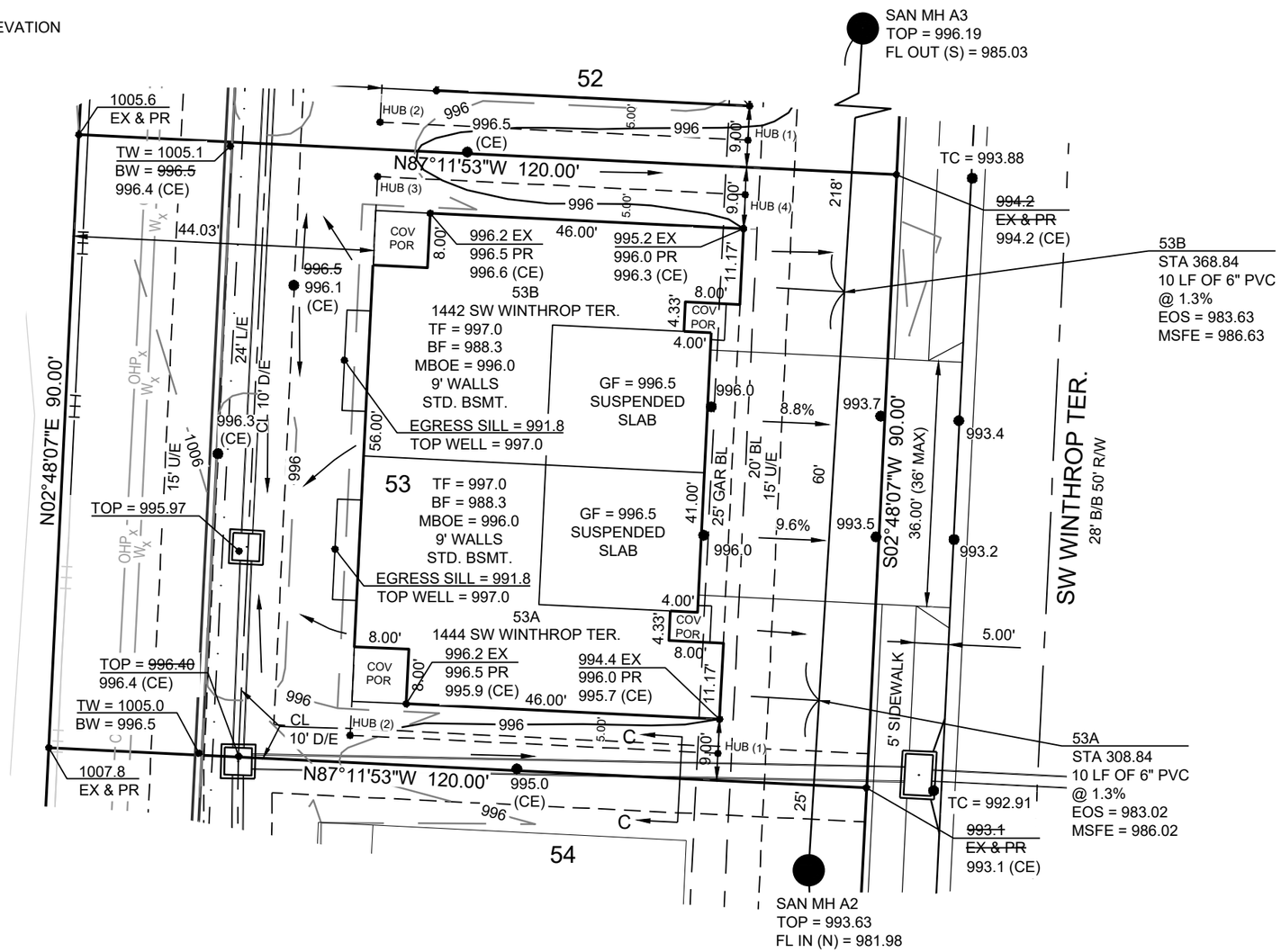
1. THIS PLOT PLAN WAS PREPARED FOR FOUNDATION CONSTRUCTION ONLY.

2. BUILDER IS REQUIRED TO VERIFY ALL DIMENSIONS, GRADES, EXISTING UTILITIES AND ADEQUATE FALL TO SEWER PRIOR TO CONSTRUCTION.

3. WALL HEIGHTS AND LOCATIONS SHOWN ARE APPROXIMATE. BUILDER TO VERIFY WALL HEIGHTS AND LOCATIONS WITH EXCAVATOR AND FOUNDATION CONTRACTOR.

4. ONLY PLATTED EASEMENTS HAVE BEEN SHOWN. NO TITLE INFORMATION WAS FURNISHED, THEREFORE, NOT RESPONSIBLE FOR UNPLATTED EASEMENTS.

5. DRIVEWAY ALIGNMENT SHOWN IS CONCEPTUAL IN NATURE AND IS SUBJECT TO CHANGE DUE TO CITY REQUIREMENTS.



0 20' 40'

SCALE: 1" = 20'

LOT GRADE CHECK 05.05.25

STATE OF MISSOURI
05-06-25
DAVID ALLEN RINNE
NUMBER
PLS-2014000198
PROFESSIONAL LAND SURVEYOR

David Allen Rinne, P.L.S.
MO# PLS-2014000198

SCHLAGEL
ENGINEERS PLANNERS SURVEYORS LANDSCAPE ARCHITECTS
14920 West 107th Street Lenexa, Kansas 66215
(913) 492-5158 Fax: (913) 492-8400
WWW.SCHLAGELASSOCIATES.COM
Missouri State Certificates of Authority
#E2002003800-F #LAC2001005237 #LS2002008859-F

LOT 53
WOODLAND GLEN
2ND PLAT
1442 / 1444 SW WINTHROP TER.
LEE'S SUMMIT, MO

DRAWN BY:	AJC
DATE PREPARED:	06.21.24
PROJ. NUMBER:	24-073

PLOT PLAN

SHEET 1

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