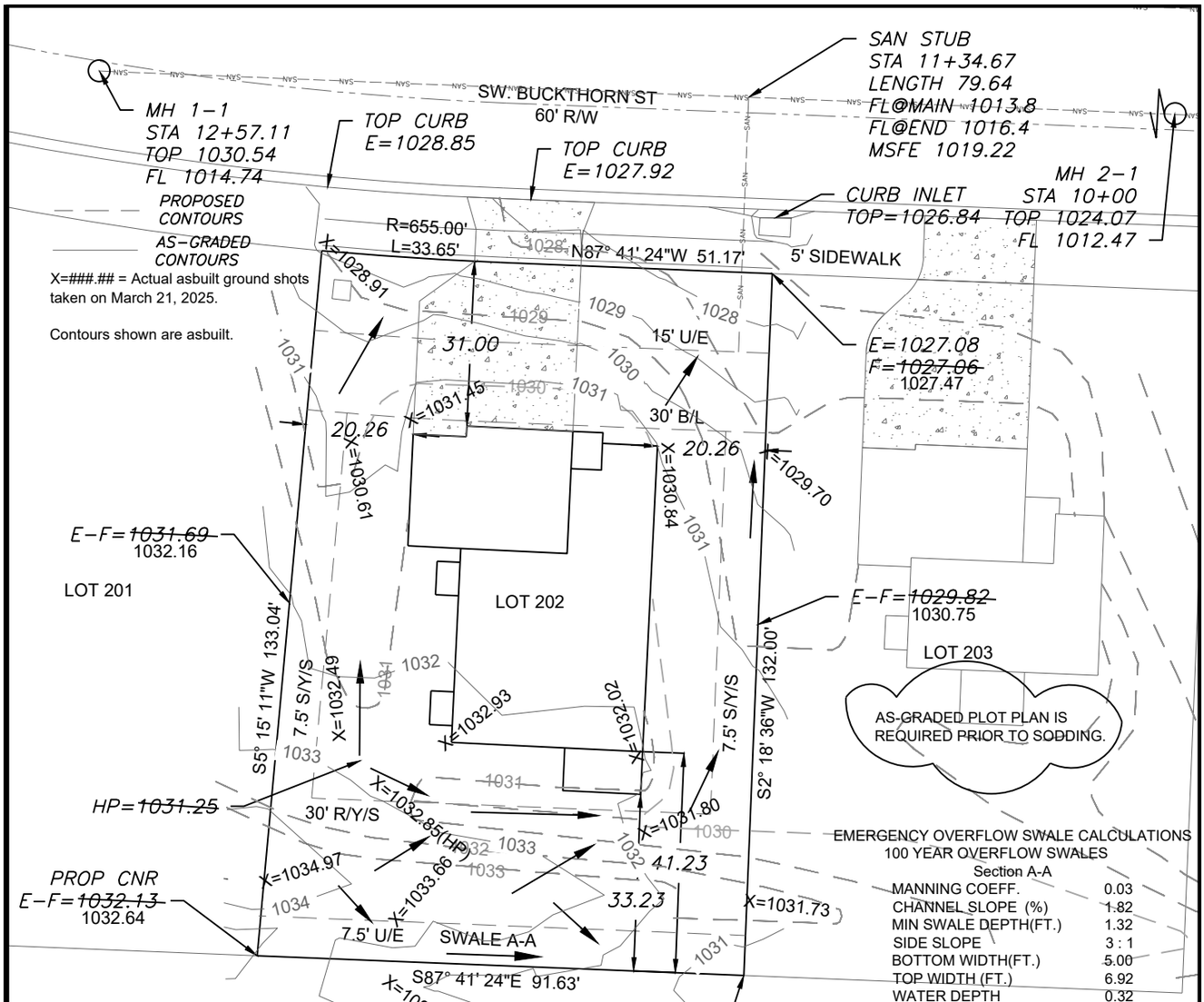
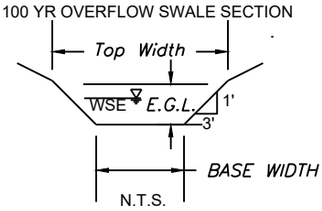


EMERGENCY OVERFLOW SWALE CALCULATIONS
100 YEAR OVERFLOW SWALES
Section A-A

MANNING COEFF.	0.03
CHANNEL SLOPE (%)	1.82
MIN SWALE DEPTH(FT.)	1.32
SIDE SLOPE	3 : 1
BOTTOM WIDTH(FT.)	5.00
TOP WIDTH (FT.)	6.92
WATER DEPTH	0.32

EXTENDED LOT AREA = 12,671.3 SF
DRIVE AREA = 911.7 SF
APPROACH AREA = 252.4 SF
SIDEWALK AREA = 323.2 SF

100 YR OVERFLOW SWALE SECTION



LEGEND

- Gas Meter
- Telephone or Fiber-Optic Pedestal
- Cable TV Pedestal
- Electric Pedestal
- Light Pole
- Mailbox
- Fire Hydrant
- Water Valve

Scale 1"=30'

PROPOSED HOUSE

TOP FOUNDATION = 1032.50
GARAGE FLOOR = 1030.50
TOP FOOTING = 1024.50
BASEMENT FLOOR = 1024.83
DRIVE SLOPE = 7.6%

E = EXISTING ELEVATION
F = PROPOSED FINAL ELEVATION
G = ADJACENT GRADE AT EGRESS
U/E = UTILITY EASEMENT
B/L = BUILDING LINE
S/Y/S = SIDE YARD SETBACK
R/Y/S = REAR YARD SETBACK

NOTES

1. BUILDER TO VERIFY ALL BUILDING ELEVATIONS AND DIMENSIONS.

2. THIS PLOT PLAN DOES NOT CONSTITUTE A BOUNDARY SURVEY.

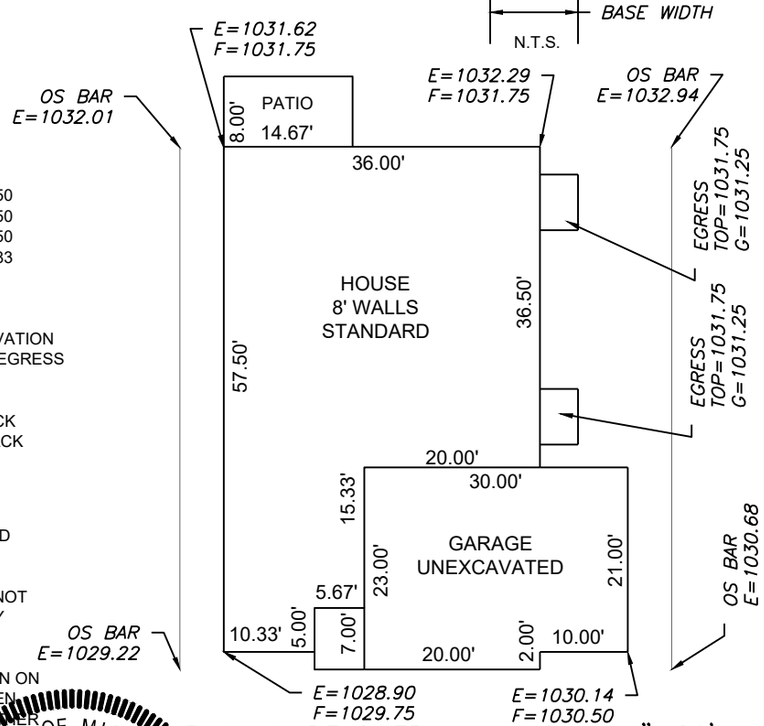
3. THE EASEMENTS SHOWN ON THIS PLOT PLAN ARE TAKEN FROM THE FINAL PLAT. OTHER EASEMENTS MAY EXIST.

LOT INFORMATION

11,657 SQ. FT.
MSFE = 1019.22
ADDRESS
1613 SW BUCKTHORN ST

LEGAL DESCRIPTION

LOT 202, HAWTHORN RIDGE 3RD PLAT, A SUBDIVISION AS RECORDED IN LEE'S SUMMIT, JACKSON COUNTY, MISSOURI.



PLAN: WILDFLOWER
Scale 1"=20'

ENGINEERING SOLUTIONS
ENGINEERING & SURVEYING
50 SE 30TH STREET
LEE'S SUMMIT, MO 64082
P:(816) 623-9888 F:(816)623-9849
WWW.ENGINEERINGSOLUTIONSKC.COM

THIS DRAWING IS NOT VALID UNLESS THE SIGNATURE, DATE AND SEAL OF THE ENGINEER WHO SUPERVISED THE PREPARATION OF THIS DRAWING HAS BEEN AFFIXED HERETO.

STATE OF MISSOURI
MATTHEW J. SCHLICHT
NUMBER
PE-2006019708
PROFESSIONAL ENGINEER
4/11/2025

AS-GRADED PLOT PLAN - LOT 202

HAWTHORN RIDGE 3RD PLAT
LEE'S SUMMIT, JACKSON COUNTY, MISSOURI

SUMMIT HOMES
120 SE 30TH STREET
LEE'S SUMMIT, MO 64082

PROJECT NO.	FILE NAME	DATE	SHEET	OF
1	LOT 202, HAWTHORN RIDGE	8/6/24	1	1

Rev: