



SANITARY M.H.  
TOP=546.31  
FL=525.24

SANITARY M.H.  
TOP=536.83  
FL=522.46

SANITARY M.H.  
TOP=518.77  
FL=508.03

SANITARY M.H.  
TOP=492.89  
FL=476.84

SANITARY M.H.  
TOP=480.41  
FL=459.49

N/F  
A.J. MO PROPERTIES, LLC  
DB 7345 PG 703

N/F  
THOMAS L. & CAROL A. SCHNEIDER  
DB 924 PG 1874

The Villas at Aragon Grading Quantity Estimate	
Fill Factor =	1.10
Cut Factor =	1.00
Surface Cut/Fill Calculations	
Area =	113,378 yd <sup>2</sup>
Total Cut =	107,929 yd <sup>3</sup>
Total Fill =	101,918 yd <sup>3</sup>
Balance =	6,011 yd <sup>3</sup>

**GRADING CALCULATION NOTES:**

1. THE GRADING QUANTITIES SHOWN ARE FOR ESTIMATE PURPOSES ONLY AND FINAL QUANTITIES WILL CHANGE BASED ON THE FINAL DESIGN AND ACTUAL SIZE OF SITE IMPROVEMENTS SUCH AS SEWERS AND FOUNDATIONS. ADDITIONAL VARIABLES THAT IMPACT THE GRADING QUANTITIES SUCH AS TYPE OF MATERIAL EXCAVATED WILL ALSO IMPACT FINAL GRADING QUANTITIES.

**GEOTECHNICAL NOTES:**

1. EXISTING UNSUITABLE FILL WERE ENCOUNTERED IN 4 OF 8 BORINGS COMPLETED BY JACOBI GEOTECHNICAL ENGINEERING, LLC PER THE GEOTECHNICAL REPORT TITLED 'EXPLORATION OF SUBSURFACE CONDITIONS AND FOUNDATION RECOMMENDATIONS', JGE No. 20242.1 DATED NOVEMBER 2020.
2. THE APPROXIMATE LOCATIONS OF BORINGS COMPLETED BY JACOBI GEOTECHNICAL ENGINEERING, LLC CAN BE SEEN ON THE PLAN. BORINGS WHICH ENCOUNTERED UNSUITABLE FILL WERE B-1, B-2, B-5, & B-6.
3. CONTRACTOR TO REMEDIATE UNSUITABLE SOILS AS DESCRIBED IN THE AFOREMENTIONED GEOTECHNICAL REPORT (JGE No. 20242.1). AREAS UNDER PROPOSED ROADWAYS SHOULD ALSO BE CONSIDERED AS IMPROVEMENT AREAS WHEREIN UNSUITABLE FILL SHALL BE REMEDIATED PER THE REPORT RECOMMENDATIONS.

CALL MISSOURI ONE-CALL 1-800-344-7483  
 THE UNDERGROUND UTILITIES SHOWN HEREIN WERE PLOTTED FROM AVAILABLE INFORMATION AND DO NOT NECESSARILY REFLECT THE ACTUAL EXISTENCE, OR NON EXISTENCE, SIZE, TYPE, NUMBER, OR LOCATION OF THESE OR OTHER UTILITIES. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITIES IN THE FIELD, SHOWN OR NOT SHOWN, PRIOR TO ANY GRADING, EXCAVATION, OR CONSTRUCTION OF IMPROVEMENTS. THESE PROVISIONS SHALL IN NO WAY ABSOLVE ANY PARTY FROM COMPLYING WITH THE UNDERGROUND FACILITY SAFETY AND DAMAGE PREVENTION ACT, CHAPTER 319, RSMO.

**Lombardo**  
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**RYAN L. HOLMES**  
Professional Engineer  
PE-2017018988

**THE VILLAS AT ARAGON**  
VETERANS MEMORIAL PARKWAY  
OF FALLON, MO 63366

**GRADING PLAN**

Design By: R/LH	Checked By: R/LH
Drawn By: R/LH	
Permit No. GR22-00001	Volz Project # 22649
Parcel ID: 2-096C-S026-00-0001.10	

10-12-22  
C07