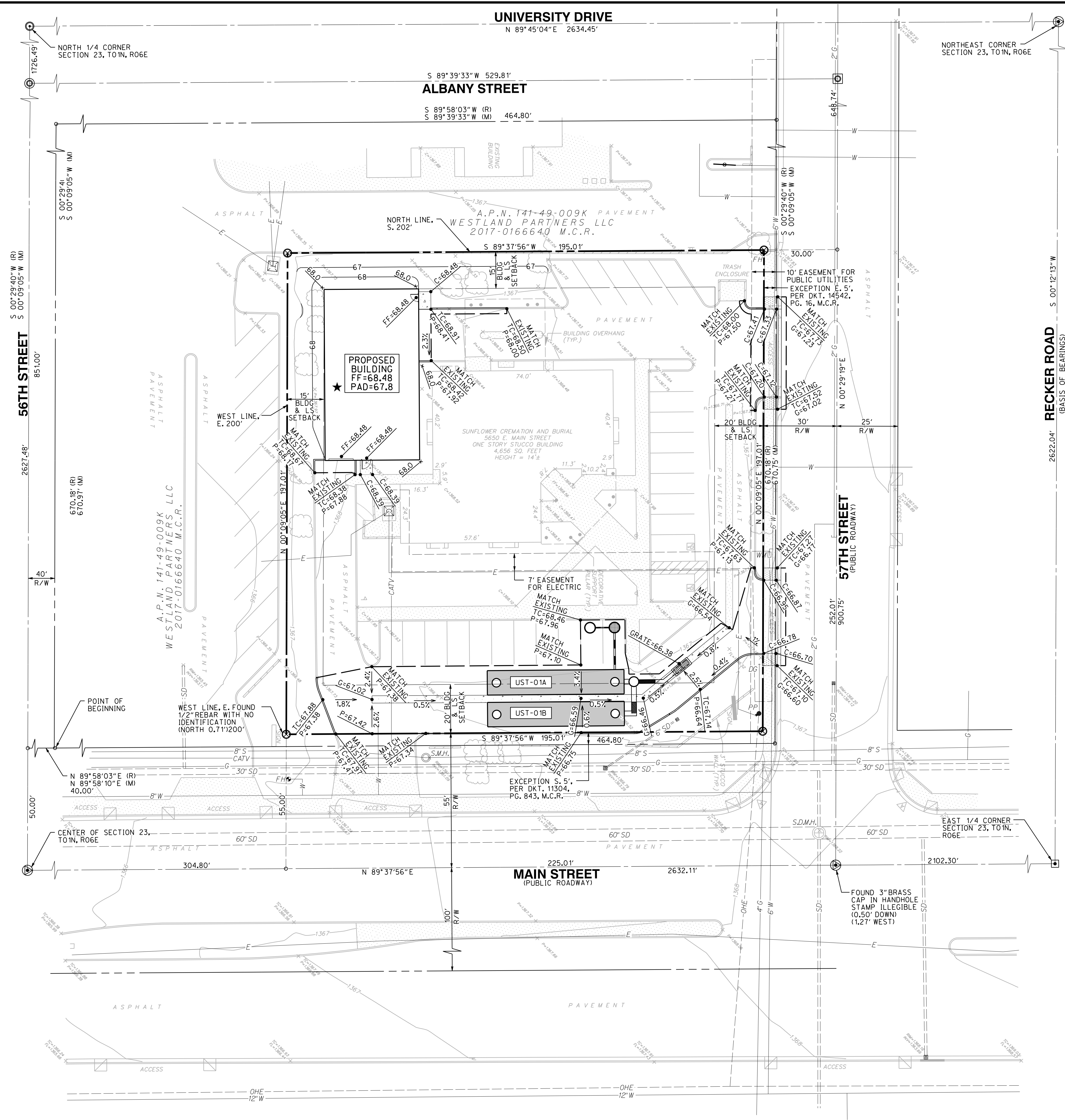




- LEGEND:**
- PROPERTY/BOUNDARY LINE
 - LOT LINE
 - ROADWAY CENTERLINE
 - EASEMENT LINE
 - SETBACK LINE
 - EXISTING WATER LINE
 - EXISTING SEWER LINE
 - EXISTING COX LINE
 - EXISTING UNDERGROUND ELECTRIC LINE
 - EXISTING OVERHEAD ELECTRIC LINE
 - EXISTING STORM DRAIN PIPE
 - EXISTING GAS LINE
 - EXISTING WATERLINE BACKFLOW
 - EXISTING ELECTRICAL TRANSFORMER
 - EXISTING ELECTRICAL CABINET
 - EXISTING POWERPOLE
 - EXISTING CATCH BASIN INLET
 - EXISTING FIRE HYDRANT
 - EXISTING WATER METER
 - EXISTING SEWER MANHOLE
 - EXISTING STORM DRAIN MANHOLE
 - EXISTING TREE
 - DIRECTION OF FLOW & SLOPE
 - GRADE BREAK
 - PROPOSED PAVEMENT ELEVATION
 - PROPOSED TOP OF CURB ELEVATION
 - PROPOSED GUTTER ELEVATION
 - PROPOSED CONCRETE ELEVATION
 - PROPOSED FINISH FLOOR ELEVATION

OWNER/DEVELOPER:
SUNFLOWER FUNERAL HOLDINGS LLC
5650 E MAIN STREET
MESA, AZ 85205

CONTACT: KENT VOLKMER
PHONE: (520) 423-7376
EMAIL: KPVOLKMER1@GMAIL.COM

ENGINEER:
JMC ENGINEERING, PLLC
7315 N 16TH STREET, SUITE 101
PHOENIX, AZ 85020

CONTACT: JOSEPH M. CIRONE, P.E.
PHONE: (602) 374-4148
EMAIL: JCIRONE@JMC-ENG.COM

PROJECT ADDRESS:
5650 E MAIN STREET
MESA, AZ 85205

ASSESSOR'S PARCEL NUMBERS:
APN 141-49-009J

BASIS OF BEARING:
THE BASIS OF BEARING IS THE MONUMENT LINE OF RECKER ROAD, ALSO BEING THE EAST LINE OF THE NORTHEAST QUARTER OF SECTION 23, USING A BEARING OF SOUTH 00 DEGREES 12 MINUTES 13 SECONDS WEST PER THE RECORD OF SURVEY "GEODETIC DENSIFICATION AND CADASTRAL SURVEY", BOOK 661 OF MAPS, PAGE 17, RECORDS OF MARICOPA COUNTY, ARIZONA.

BENCHMARK:
THE BENCHMARK USED FOR THIS SURVEY IS THE CITY OF MESA BENCHMARK, BEING A BRASS TAG IN TOP OF CURB LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF RECKER ROAD AND UNIVERSITY DRIVE, NAVD88.

RETENTION REQUIRED
100-YR, 2-HR

D=2.20, C=0.8373, A=1.3017 AC.

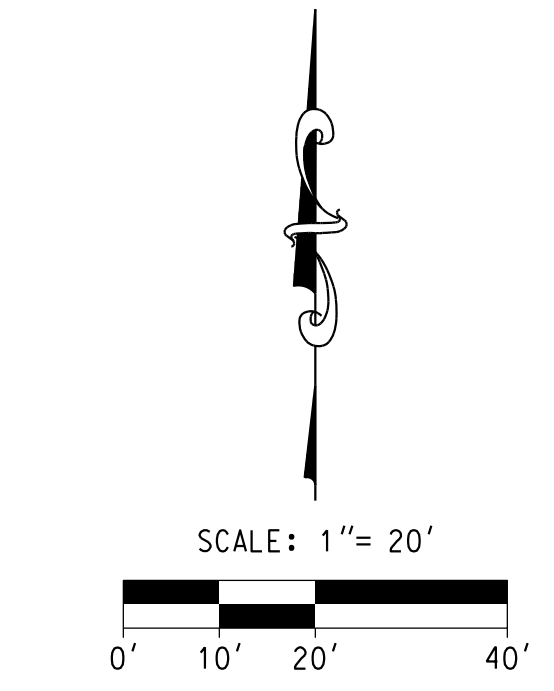
VOLUME REQUIRED CALCULATION

$$V = C \frac{D}{12} A$$
$$V = 0.8373 \left(\frac{2.20}{12} \right) (1.3017) (43,560) = 8,704 \text{ CF}$$

VOLUME PROVIDED CALCULATION

$$V = (UST-01A) + (UST-01B)$$
$$V = (4,398 \text{ CF}) + (4,398 \text{ CF}) = 8,796 \text{ CF}$$

NOTE:
VERIFY PAD GRADE WITH FINAL BUILDING PLANS



REVISIONS		
NO.	DESCRIPTION	DATE



NEW ADDITION FOR SUNFLOWER CREMATION & BURIAL
5650 E. MAIN STREET, MESA, ARIZONA 85205
PRELIMINARY GRADING & DRAINAGE PLAN

JMC ENGINEERING
7315 N 16TH STREET
SUITE 101
PHOENIX, AZ 85020
JCIRONE@JMC-ENG.COM

DESIGNED: JMC/HTF
DRAWN: HTF

PROJECT NO: 0131
DATE: 18-AUG-2022

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SHEET 1 OF 1