#### CITY OF MESA NOTES:

#### CITY OF MESA GENERAL NOTES:

1. ALL WORK AND MATERIALS SHALL CONFORM TO THE CURRENT UNIFORM STANDARD SPECIFICATIONS AND DETAILS FOR PUBLIC WORKS CONSTRUCTION AS FURNISHED BY THE MARICOPA ASSOCIATION OF GOVERNMENTS AND AS AMENDED BY THE CITY OF MESA. ALL WORK AND MATERIALS NOT IN CONFORMANCE WITH THESE AMENDED SPECIFICATIONS AND DETAILS ARE SUBJECT TO REMOVAL AND REPLACEMENT AT THE CONTRACTOR'S EXPENSE.

2. SEPARATE RIGHT-OF-WAY PERMITS ARE REQUIRED FOR ALL PUBLIC UTILITIES, PUBLIC STREET IMPROVEMENTS, AND RIGHT-OF-WAY LANDSCAPING. FOR INFORMATION REGARDING AVAILABILITY AND COST OF RIGHT-OF-WAY PERMITS, CONTACT THE DEVELOPMENT SERVICES DEPARTMENT AT (480) 644-4273 OR AT HTTP://www.mesaaz.gov/devsustain/constructionpermits.aspx. The CONTRACTOR SHALL OBTAIN ALL PERMITS REQUIRED UNLESS OTHERWISE NOTED. CONTRACTORS MUST HOLD THE APPROPRIATE CLASS OF LICENSE AND SHALL HAVE ON FILE WITH THE PERMIT SERVICES SECTION PROOF OF INSURANCE COVERAGE. PERMITS BECOME INVALID AND MUST BE UPDATED IF WORK HAS NOT BEGUN WITHIN NINETY (90) DAYS. PERMITS ALSO BECOME INVALID IF THE CONTRACTOR'S INSURANCE LAPSES OR IS VOIDED.

3. TWENTY FOUR (24) HOURS PRIOR TO THE COMMENCEMENT OF ANY WORK. CONSTRUCTION OR INSTALLATIONS ASSOCIATED WITH THIS PERMIT, THE PERMITTEE SHALL NOTIFY CITY OF MESA ENGINEERING ENGINEERING DEPARTMENT AT (480) 644-2251 OF INTENT TO BEGIN AND REQUEST/SCHEDULE PRELIMINARY FIELD REVIEW AT THE PROJECT SITE WITH THE CITY OF MESA ENGINEERING DEPARTMENT CONSTRUCTION INSPECTOR. FAILURE TO PROVIDE PROPER INSPECTION NOTIFICATION AS PRESCRIBED ABOVE, SHALL RESULT IN THIS PERMIT BECOMING INVALID AND WORK BEING STOPPED.

4. CONTRACTOR'S SHALL COMPLY WITH THE REQUIREMENTS TO OBTAIN THE NECESSARY RIGHT-OF-WAY PERMITS AND SHALL COMPLY WITH THE RIGHT-OF-WAY PERMIT CONDITIONS AS FOUND ON THE BACK OF THE PERMIT FORM.

5. THE CITY OF MESA PARKS & RECREATION DIVISION IS NOT REPRESENTED BY BLUE STAKE. WHEN THE CONTRACTOR EXCAVATES NEAR OR ADJACENT TO A CITY PARK, THE CONTRACTOR SHALL CONTACT THE PARKS & RECREATION ADMINISTRATION SECTION AT (480) 644-2354 TO REQUEST ASSISTANCE IN LOCATING ALL THEIR UNDERGROUND FACILITIES.

6. THE CONTRACTOR SHALL OBTAIN AN EARTH-MOVING PERMIT FROM THE MARICOPA COUNTY ENVIRONMENTAL SERVICES DEPARTMENT AND SHALL COMPLY WITH ITS REQUIREMENTS FOR DUST CONTROL.

7. THE ENGINEER HEREBY CERTIFIES AS EVIDENCED BY A PROFESSIONAL SEAL & SIGNATURE, THAT ALL AFFECTED UTILITY COMPANIES BOTH PUBLIC AND PRIVATE HAVE BEEN CONTACTED AND ALL EXISTING AND/OR PROPOSED UTILITY LINES AND OTHER RELATED INFORMATION HAVE BEEN TRANSFERRED ONTO THESE PLANS. THE ENGINEER OR ARCHITECT ALSO HEREBY CERTIFIES THAT ALL EXISTING AND/OR PROPOSED PUBLIC RIGHT-OF-WAY OR EASEMENTS HAVE BEEN CORRECTLY PLOTTED/SHOWN.

8. THE ENGINEER, OR LAND SURVEYOR OF RECORD SHALL CERTIFY UPON COMPLETION OF CONSTRUCTION THAT ALL PUBLIC IMPROVEMENTS (WATER AND SEWER UTILITIES, STORM SEWER, CONCRETE, PAVING, STREET LIGHTS, ETC.) HAVE BEEN INSTALLED AT THE LOCATIONS AND ELEVATIONS SHOWN ON THE APPROVED PLANS. ANY CHANGES SHALL BE REFLECTED ON "AS-BUILT" DRAWINGS PROVIDED BY THE ENGINEER TO THE ENGINEERING DEPARTMENT.

9. THE REGISTERED ENGINEER OR LAND SURVEYOR SHALL CERTIFY THAT THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION BETWEEN UTILITIES WITHIN PUBLIC RIGHT-OF-WAY OR EASEMENTS HAS BEEN MAINTAINED AS REQUIRED BY LAW OR POLICY.

10. THE DEVELOPER SHALL PROVIDE ALL CONSTRUCTION STAKING FOR THE

11. THE DEVELOPER OR THE ENGINEER IS RESPONSIBLE FOR ARRANGING FOR THE RELOCATION OR REMOVAL OF ALL UTILITIES OR FACILITIES THAT ARE IN CONFLICT WITH THE PROPOSED PUBLIC IMPROVEMENTS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE RELOCATION OF ALL UTILITIES, POWER POLES, IRRIGATION DRY-UPS, RESETS REMOVALS BY OTHERS, ETC.

12. THE CONTRACTORS SHALL LOCATE ALL UTILITIES PRIOR TO EXCAVATION AND AVOID DAMAGE TO SAME. CALL (602) 263-1100 FOR BLUE STAKE TWO WORKING DAYS PRIOR TO DIGGING. CALL SALT RIVER PROJECT FOR POLE BRACING, ELECTRIC SERVICE OR CONSTRUCTION SCHEDULING AT (602) 273-8888.

13. WHEN GAS MAINS AND/OR SERVICES ARE EXPOSED, CONTACT THE CITY OF MESA AT (480) 644-2261 FOR INSPECTION OF THE EXPOSED PIPE AND COATING PRIOR TO BACKFILLING OF THE TRENCH.

14. CONTRACTORS SHALL COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AND BARRICADING PER THE CURRENT CITY OF MESA TRAFFIC BARRICADE MANUAL.

15. IF A FIRE HYDRANT IS NEEDED TO OBTAIN CONSTRUCTION WATER, THE CONTRACTOR SHALL OBTAIN A FIRE HYDRANT METER FROM PERMIT SERVICES AND PAY ALL APPLICABLE FEES AND CHARGES.

16. IF DURING THE CONSTRUCTION OF A PUBLIC FACILITY, THE CONTRACTOR FAILS TO OR IS UNABLE TO COMPLY WITH A REQUEST OF THE ENGINEERING CONSTRUCTION INSPECTOR, AND IT IS NECESSARY FOR CITY FORCES TO DO WORK THAT IS NORMALLY THE CONTRACTOR'S RESPONSIBILITY, THE CITY SHALL BE JUSTIFIED IN BILLING THE CONTRACTOR. EACH INCIDENT REQUIRING WORK BY CITY FORCES SHALL BE COVERED BY A SEPARATE BILLING AT THE CURRENT APPLICABLE RATES.

17. THE CONTRACTOR IS ADVISED THAT DAMAGE TO PUBLIC SERVICES OR SYSTEMS AS A RESULT OF THIS PROJECT SHALL BE REPAIRED BY THE CONTRACTOR AND INSPECTED BY THE CITY INSPECTOR. UNLESS OTHERWISE APPROVED BY THE CITY, ALL REPAIRS SHALL BE DONE WITHIN 24 HOURS. THE CONTRACTOR IS ADVISED THAT ANY COSTS RELATED TO REPAIR OR REPLACEMENT OF DAMAGED PUBLIC SERVICES AND SYSTEMS AS A RESULT OF CONTRACTOR'S ACTIVITIES SHALL BE BORNE BY THE CONTRACTOR.

# PRELIMINARY GRADING & DRAINAGE PLANS FOR

# CHILD CRISIS ARIZONA 817 N. COUNTRY CLUB DRIVE MESA, ARIZONA 85201

### LEGEND: BRASS CAP FLUSH PROPERTY CORNER MEASURED (R) RECORD $\Rightarrow$ CATCH BASIN E ELECTRIC BOX ELECTRIC CABINET T ELECTRIC TRANSFORMER FIBER OPTICS MARKER METAL GRATE (RECTANGULAR) TELECOMMUNICATIONS RISER $\bigcirc$ TRAFFIC SIGNAL CABLE TELEVISION RISER SANITARY SEWER MANHOLE STORM DRAIN MANHOLE SEWER CLEANOUT $\boxtimes$ WATER METER FIRE HYDRANT WATER VALVE EXIST. GAS METER MASONRY WALL --- -- FASEMENT LINE — EX GAS — EXIST. GAS LINE — EX COMS — EXIST. COMMUNICATIONS LINE — EX-6" SWR — EXIST. SEWER LINE — FX 6" WTR — EXIST. WATER LINE STORM DRAIN EXIST. PALM TREE EXIST. MISC. TREE PROP. FLOW LINE GRADE FG=05.4 PROP. FINISHED GRADE PROP. CONCRETE GRADE PROP. PAVEMENT GRADE TC = 05.73PROP. TOP OF CURB GRADE G = 05.40PROP. GUTTER GRADE TC=05.73 PROP. TOP OF CURB GRADE P = 05.40PROP. PAVEMENT GRADE EXIST. CABLE TV BOX EXIST. POWER POLE ASSESSOR'S PARCEL NO. PROPERTY LINE 1.6% PROP. DRAINAGE SLOPE PROP. DRAINAGE PATTERN -EXISTING LIGHT POLE EXISTING GUY WIRE

EXISTING SIGN

EXISTING FENCE

EXIST. NATURAL GRADE

EXIST. PAVEMENT GRADE

EXIST. CONCRETE GRADE

———— — PROPERTY/RIGHT-OF-WAY LINE

---- GRADE BREAK/FLOW LINE

----- MONUMENT LINE

## LEGAL DESCRIPTION: (827 N. COUNTRY CLUB DR.)

THE EAST 133.00 FEET OF THE WEST 173.00 FEET OF THE NORTH 140.00 FEET OF THE SOUTH HALF OF THE SOUTHWEST QUARTER OF SOUTHWEST QUARTER OF THE NORTHWEST QUARTER OF SECTION 15, TOWNSHIP 1 NORTH, RANGE 5 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA;

EXCEPT THAT PART OF THE ABOVE PROPERTY DESCRIBED AS FOLLOWS:

COMMENCE AT THE NORTHWEST CORNER OF SECTION 15 OF THE GILA AND SALT RIVER BASE AND MERIDIAN;

THENCE SOUTH 00 DEGREES 10 MINUTES 28 SECONDS WEST A DISTANCE OF 2,311.23 FEET;

THENCE SOUTH 89 DEGREES 49 MINUTES 32 SECONDS EAST A DISTANCE OF 40.00 FEET TO THE POINT OF BEGINNING OF THE HEREIN DESCRIBED PARCEL; THENCE SOUTH 00 DEGREES 10 MINUTES 28 SECONDS WEST A DISTANCE OF

140.00 FEET; THENCE SOUTH 89 DEGREES 49 MINUTES 49 SECONDS EAST A DISTANCE OF

12.00 FEET; THENCE NORTH 00 DEGREES 10 MINUTES 28 SECONDS EAST A DISTANCE OF

THENCE NORTH 89 DEGREES 49 MINUTES 49 SECONDS WEST A DISTANCE OF 12.00 FEET TO THE POINT OF BEGINNING, AS SET FORTH IN INSTRUMENT NO.

THE LEGAL DESCRIPTION ABOVE WAS OBTAINED FROM THE DEED ON FILE THE MARICOPA COUNTY RECORDERS OFFICE

#### ZONING:

140.00 FEET;

1992-46897.

LIMITED COMMERCIAL (LC)

#### LOT AREA:

AREA = 16,945 SQUARE FEET/0.39 ACRES

## ASSESSORS PARCEL NO:

137-23-090

827 N. COUNTRY CLUB DRIVE MESA, ARIZONA 85201

## OFF-SITE DRAINAGE STATEMENT:

THERE ARE NO OFF-SITE FLOWS IMPACTING THIS SITE.

### RETENTION VOLUME REQUIRED:

100-YEAR, 2-HOUR STORM EVENT:

V = (Cw)(D/12)(A)

V = VOLUME REQUIRED IN CF Cw = WEIGHTED RUN-OFF CO-EFFICIENT (0.68)D = RAINFALL DEPTH FOR 100-YR, 2-HR STORM EVENT (2.16-INCHES)A = DRAINAGE AREA

## SUMMARY OF RETENTION:

DRAINAGE	Cw	DEPTH	AREA	VOL. REQ'D	VOL. PROV'D
AREA NO.		(INCHES)	(SF)	(CF)	(CF)
1	0.68	2.16	4,253	521	937
2	0.68	2.16	9,645	1,181	1,421
3 <sup>A</sup>	0.68	2.16	35,484	4,343	2,356 <sup>B</sup>
4	0.68	2.16	21,529	2,635	5,514
5	0.68	2.16	17,052	2,087	2,913
6	0.68	2.16	87,631	10,726	18,073
TOTAL	0.68	2.16	175,594	21,493	31,214

### NOTES:

A. CURRENTLY THERE IS NOT ENOUGH ON-SITE RETENTION TO ACCOMMODATE THE 100-YEAR, 2-HOUR STORM EVENT FOR THE FIRST CHRISTIAN CHURCH OF MESA.

B. VOLUME PROVIDED INCLUDES RETENTION IN THE PARKING LOT.

VOLUME (PROV'D) = 31,214 CF > VOLUME (REQ'D) = 21,493 CF

## OWNER OF LOT 1:

FIRST CHRISTIAN CHURCH OF MESA 805 N. COUNTRY CLUB DRIVE MESA, ARIZONA 85201 (480) 833-7312 CONTACT: LIZ DEWEESE

#### CIVIL ENGINEER:

HENDERSON ENGINEERING GROUP, LLC 1533 S. PARKCREST CIRCLE MESA, ARIZONA 85206 (480) 334-7507

CONTACT: BRENT L. HENDERSON P.E.

#### OWNER OF LOT 2:

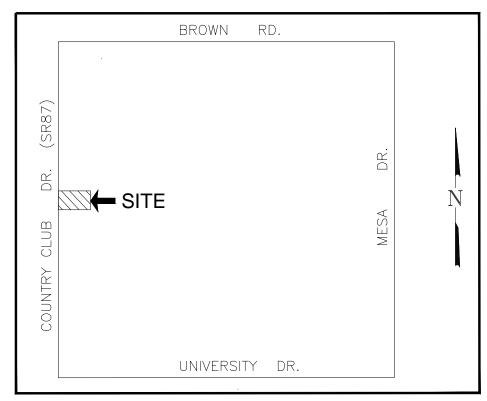
CHILD CRISIS ARIZONA 817 N. COUNTRY CLUB DRIVE MESA, ARIZONA 85201 (480) 834-9424 CONTACT: EJ HUGHES

#### LAND SURVEYOR:

AW LAND SURVEYING, LLC P.O. BOX 2170 CHANDLER, ARIZONA 85244 (480) 244-7630 CONTACT: DANIEL D. ARMIJO, R.L.S.

#### SHEET INDEX:

COVER SHEET PRELIMINARY GRADING & DRAINAGE PLAN C-2



VICINITY MAP

### LEGAL DESCRIPTION: (805 N. COUNTRY CLUB DR.)

A PARCEL OF LAND SITUATED IN A PORTION OF THE NORTHWEST QUARTER OF SECTION 15, TOWNSHIP 1 NORTH, RANGE 5 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

LOT 1. FINAL PLAT FOR CHILD CRISIS CENTER, AS RECORDED IN BOOK 912. PAGE 48. MARICOPA COUNTY RECORDS.

A PORTION OF LOT 1 AS SHOWN ON THE FINAL PLAT OF CHILD CRISIS CENTER, RECORDED IN BOOK 912, PAGE 48, OF MARICOPA COUNTY RECORDS, LYING WITHIN THE NORTHWEST QUARTER OF SECTION 15, TOWNSHIP 1 NORTH, RANGE 5 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID LOT 1;

THENCE ALONG THE EASTERLY LINE OF SAID LOT 1, NORTH 00 DEGREES 23 MINUTES 04 SECONDS EAST, A DISTANCE OF 60.85 FEET, TO THE POINT OF BEGINNING;

THENCE LEAVING SAID EASTERLY LINE, 89 DEGREES 45 MINUTES 07 SECONDS WEST, A DISTANCE OF 46.84 FEET;

THENCE NORTH 33 DEGREES 58 MINUTES 36 SECONDS WEST, A DISTANCE OF 52.74 FEET TO AN EASTERLY LINE OF LOT 1;

THENCE ALONG SAID EASTERLY LINE, SOUTH 75 DEGREES 29 MINUTES 55 SECONDS EAST, A DISTANCE OF 78.99 FEET;

THENCE SOUTH 00 DEGREES 23 MINUTES 04 SECONDS WEST, A DISTANCE

OF 24.16 FEET, TO THE POINT OF BEGINNING;

### ZONING:

OFFICE COMMERICAL (OC)

LOT AREA:

AREA = 114,721 SQUARE FEET/2.63 ACRES

ASSESSORS PARCEL NO:

137-23-121B

### SITE ADDRESS:

805 N. COUNTRY CLUB DRIVE MESA, ARIZONA 85201

### FEMA FLOOD PLAIN STATEMENT:

THE SUBJECT PROPERTY LIES WITH A FEMA DESIGNATED SHADED ZONE "X" FLOODPLAIN ACCORDING TO FEMA'S FLOOD INSURANCE RATE MAP (FIRM) PER MAP NUMBER 04013C2265M, DATED NOVEMBER 4, 2015. A SHADED FLOOD ZONE "X" ARE AREAS OF 0.2% ANNUAL CHANCE FLOOD; AREAS OF 1% ANNUAL CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1-FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE.

## LEGAL DESCRIPTION: (817 N. COUNTRY CLUB DR.)

A PARCEL OF LAND SITUATED IN A PORTION OF THE NORTHWEST QUARTER OF SECTION 15, TOWNSHIP 1 NORTH, RANGE 5 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

LOT 2, FINAL PLAT FOR CHILD CRISIS CENTER, AS RECORDED IN BOOK 912. PAGE 48. MARICOPA COUNTY RECORDS.

A PORTION OF LOT 1 AS SHOWN ON THE FINAL PLAT OF CHILD CRISIS CENTER, RECORDED IN BOOK 912, PAGE 48, OF MARICOPA COUNTY RECORDS, LYING WITHIN THE NORTHWEST QUARTER OF SECTION 15, TOWNSHIP 1 NORTH, RANGE 5 EAST OF THE GILA AND SALT RIVER BASE AND MERIDIAN, MARICOPA COUNTY, ARIZONA, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE SOUTHEAST CORNER OF SAID LOT 1;

THENCE ALONG THE EASTERLY LINE OF SAID LOT 1, NORTH 00 DEGREES 23 MINUTES 04 SECONDS EAST, A DISTANCE OF 60.85 FEET, TO THE POINT OF BEGINNING;

THENCE LEAVING SAID EASTERLY LINE, 89 DEGREES 45 MINUTES 07 SECONDS WEST. A DISTANCE OF 46.84 FEET:

THENCE NORTH 33 DEGREES 58 MINUTES 36 SECONDS WEST, A DISTANCE OF 52.74 FEET TO AN EASTERLY LINE OF LOT 1;

THENCE ALONG SAID EASTERLY LINE, SOUTH 75 DEGREES 29 MINUTES 55 SECONDS EAST, A DISTANCE OF 78.99 FEET;

THENCE SOUTH 00 DEGREES 23 MINUTES 04 SECONDS WEST, A DISTANCE OF 24.16 FEET, TO THE POINT OF BEGINNING;

## ZONING:

OFFICE COMMERCIAL (OC)

LOT AREA:

AREA = 66,980 SQUARE FEET/1.54 ACRES

ASSESSORS PARCEL NO'S:

137-23-121A/137-23-122

## SITE ADDRESS:

817 N. COUNTRY CLUB DRIVE MESA, ARIZONA 85201

### BENCHMARK:

CITY OF MESA BRASS TAG LOCATED ON TOP OF CURB AT THE NORTHWEST CORNER OF THE INTERSECTION OF COUNTRY CLUB DRIVE AND BROWN ROAD, MESA, ARIZONA

ELEVATION = 1250.36' NAVD 88 (CITY OF MESA DATUM)



