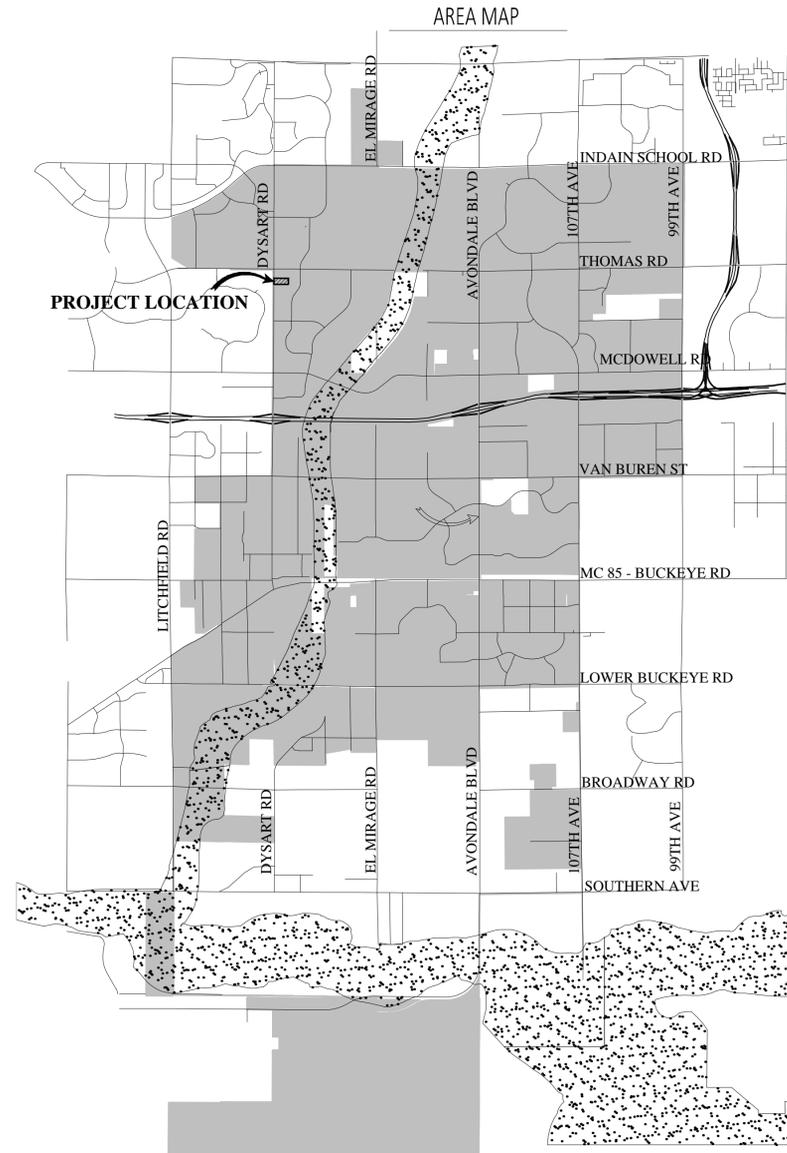


**QUANTITIES**

GRADING & DRAINAGE	ON-SITE	UNIT	OFF-SITE	UNIT
GRADING	.....	SY	.....	SY
STORM SEWER PIPE	.....	LF	.....	LF
STORM SEWER MANHOLE	.....	EA	.....	EA
UNDERGROUND RETENTION PIPE	.....	LF	.....	LF
DRYWELL	.....	EA	.....	EA
SPILLWAY	.....	EA	.....	EA
RIP RAP	.....	CY	.....	CY
CURB OPENING	.....	LF	.....	LF
BOX CULVERT	.....	EA	.....	EA
CATCH BASIN/HEADWALL	.....	EA	.....	EA
SCUPPER	.....	EA	.....	EA
IRRIGATION				
IRRIGATION PIPE	.....	LF	.....	LF
IRRIGATION MANHOLE/STRUCTURE	.....	EA	.....	EA
SANITARY SEWER				
MAIN LINE PIPE	.....	LF	.....	LF
SERVICE LINE PIPE	.....	LF	.....	LF
MANHOLE	.....	EA	.....	EA
DROP CONNECTION	.....	EA	.....	EA
UTILITY ADJUSTMENT	.....	EA	.....	EA
CLEANOUTS	.....	EA	.....	EA
PIPE CONNECTION	.....	EA	.....	EA
PIPE ENCASMENT	.....	LF	.....	LF
SEWER SERVICE TAP	.....	EA	.....	EA
WATER				
MAIN LINE	.....	LF	.....	LF
WATER SERVICE LINE	.....	LF	.....	LF
TAPPING SLEEVE	.....	EA	.....	EA
MAIN LINE/LATERAL/FH VALVE	.....	EA	.....	EA
WATER VAVLE/MANHOLE/ARV VAULT	.....	EA	.....	EA
FIRE LINE	.....	LF	.....	LF
BLOW OFF/TAPED CAP	.....	EA	.....	EA
METER BOX	.....	EA	.....	EA
BACKFLOW (UPT TO 3")	.....	EA	.....	EA
BACKFLOW 3" AND LARGER	.....	EA	.....	EA
WATER LINE CONNECTION	.....	EA	.....	EA
UTILITY ADJUSTMENT	.....	EA	.....	EA
FIRE HYDRANTS	.....	EA	.....	EA
DRY UTILITIES				
OPEN TRENCH IN PAVED R/W	.....	LF	.....	LF
OPEN TRENCH IN UNPAVED R/W	.....	LF	.....	LF
BORE ONLY	.....	LF	.....	LF
BORE/SPUCE PIT	.....	EA	.....	EA
POTHOLE	.....	EA	.....	EA
FLAT CONCRETE				
SIDEWALK	.....	SF	.....	SF
CURB AND GUTTER/SINGLE CURB/RIBBON	.....	LF	.....	LF
VALLEY GUTTER AND APRON	.....	SF	.....	SF
BUS BAY, RT. TURN LANE	.....	SF	.....	SF
RETURN TYPE DRIVEWAY	.....	SF	.....	SF
DRIVEWAY (NON-RETURN TYPE)	.....	EA	.....	EA
SIDEWALK RAMP	.....	EA	.....	EA
PAVING				
NEW CONC/ASPHALT PAVING	.....	SY	.....	SY
ASPHALT/CONC OVERLAY	.....	SY	.....	SY
SLURRY SEAL/MICRO SEAL	.....	SY	.....	SY
UTILITY ADJUSTMENT (IN R/W STREET)	.....	EA	.....	EA
SURVEY MONUMENT	.....	EA	.....	EA
STREET SIGN	.....	EA	.....	EA
BARRICADE/GUARDRAIL	.....	LF	.....	LF
STRIPING (4" EQUIV.)	.....	LF	.....	LF
ASPHALT/CONC REPLACEMENT	.....	SY	.....	SY
STREET LIGHTS	.....	EA	.....	EA
TRAFFIC SIGNAL	.....	EA	.....	EA

**LEGACY HOUSE OF AVONDALE**  
 (APPROX. 2700 NORTH DYSART ROAD)  
 PALM VALLEY PAD Z-94-284-A  
 A PORTION OF THE NORTHWEST QUARTER OF SECTION 35,  
 TOWNSHIP 2 NORTH, RANGE 1 WEST OF THE GILA AND SALT RIVER MERIDIAN,  
 MARICOPA COUNTY, ARIZONA

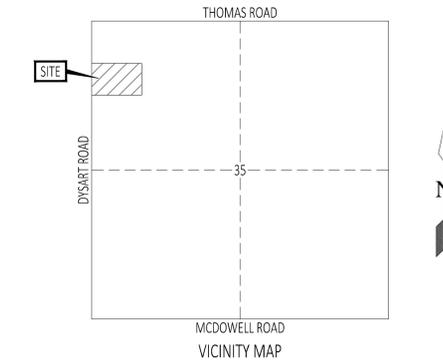


**SHEET INDEX:**

C-000	COVER SHEET
C-101	OVERALL SITE PLAN
C-201	PRELIMINARY OVERALL GRADING AND DRAINAGE PLAN
C-202	PRELIMINARY OVERALL GRADING AND DRAINAGE PLAN
C-301	PRELIMINARY OVERALL UTILITY PLAN

**BENCHMARK:**

BENCHMARK IS MCDOT BRASS CAP  
 INTERSECTION OF DYSART ROAD AND THOMAS ROAD  
 ELEVATION : 1012.80 NAVD88 DATUM (CITY OF AVONDALE DATUM)  
 DATE SHOT: AUGUST 13, 2015



**APPROVALS**

CITY ENGINEERING DEPARTMENT	DATE
THE CITY APPROVES THESE PLANS FOR CONCEPT ONLY AND ACCEPTS NO LIABILITY FOR ERRORS OR OMISSIONS.	
CITY ENGINEERING DEPARTMENT (water)	DATE
REQUIRED FIRE FLOW _____ GPM ( _____ GPM WITH SPRINKLER REDUCTION)	
CITY CLERK	DATE
CITY MANAGER	DATE
CITY COUNCIL	DATE
MARICOPA COUNTY ENVIRONMENTAL SERVICES (water)	DATE
1101 N CENTRAL #150 PHOENIX, AZ 85334 SUSAN HAZELETT (602) 506-6671	

**"AS-BUILT CERTIFICATION"**

I HEREBY CERTIFY THAT THE "AS-BUILT" INFORMATION SHOWN HEREON WAS OBTAINED UNDER MY DIRECT SUPERVISION AND IS CORRECT AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR	SEAL
REGISTRATION NUMBER	DATE
MICHAEL BAKER INTERNATIONAL 2929 N. CENTRAL AVE., SUITE 800 PHOENIX, AZ 85012 (602) 279-1234	

**Utility Conflict Notification Block**

THESE PLANS HAVE BEEN SUBMITTED TO THE FOLLOWING UTILITY COMPANIES. WHERE THE WORK TO BE DONE CONFLICTS WITH ANY OF THESE UTILITIES, THE CONFLICTS SHALL BE RESOLVED AS SPECIFIED IN THE SPECIAL NOTES AND/OR AS OTHERWISE NOTED ON THESE PLANS. CONFLICTS ARISING DURING THE COURSE OF CONSTRUCTION FROM UNFORESEEN CIRCUMSTANCES SHALL BE REPORTED TO THE INTERESTED UTILITY COMPANY AND BE RESOLVED BY THEM AND THE DESIGN ENGINEER.

SALT RIVER POWER DISTRICT	COMPANY REPRESENTATIVE	DATE
ARIZONA PUBLIC SERVICE	COMPANY REPRESENTATIVE	DATE
QWEST	COMPANY REPRESENTATIVE	DATE
COX COMMUNICATIONS	COMPANY REPRESENTATIVE	DATE
SOUTHWEST GAS	COMPANY REPRESENTATIVE	DATE
SALT RIVER IRRIGATION DISTRICT	COMPANY REPRESENTATIVE	DATE
ROOSEVELT IRRIGATION DISTRICT	COMPANY REPRESENTATIVE	DATE
EL PASO NATURAL GAS	COMPANY REPRESENTATIVE	DATE

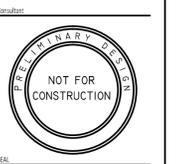
**Storm Water Certification**

- ALL DRAINAGE DESIGN WILL COMPLY WITH THE DRAINAGE DESIGN MANUAL FOR MARICOPA COUNTY, ARIZONA, VOLUMES I & II, JANUARY 28, 1996, AS AMENDED OR UPDATED.
- THE DEVELOPMENT WILL PROVIDE ADEQUATE RETENTION FOR THE 100-YEAR 2-HOUR STORM. THIS INCLUDES ONSITE AND ADJACENT HALF STREET RUNOFF.
- IN ALL CASES THE HALF STREET FLOW FROM THE 100-YEAR, 2-HOUR STORM WILL BE CONTAINED WITHIN THE PUBLIC RIGHT OF WAY.
- THE COLLECTION SYSTEM FOR THE 10-YEAR 2-HOUR STORM HAS BEEN DESIGNED SO THAT ALL ARTERIAL AND MAJOR COLLECTOR STREETS SHALL MAINTAIN ONE DRY LANE IN EACH DIRECTION.
- FINISHED FLOOR ELEVATIONS MUST BE MINIMUM OF 14-INCHES ABOVE THE OUT FALL TOP OF CURB ELEVATION, OR 12-INCHES ABOVE THE COMPUTED 100-YEAR 2-HOUR WATER SURFACE ELEVATION WHICH EVER IS GREATER.
- ALL STORM WATER RETENTION SHALL BE DRAINED WITHIN 36 HOURS. IF BASINS DO NOT DRAIN WITHIN 36 HOURS, DEVELOPER/OWNER SHALL ENACT MEASURE TO CORRECT.

\_\_\_\_\_  
SIGNATURE DATE

**NOTE:**

ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE CITY OF AVONDALE'S SUPPLEMENT TO THE M.A.G. SPECIFICATIONS AND STANDARD DETAILS CURRENTLY ON FILE AND AVAILABLE AT THE CITY OF AVONDALE'S ENGINEERING DEPARTMENT OR ONLINE AT THE CITY OF AVONDALE'S WEBSITE.



NO.	DATE	DESCRIPTION
1	11/03/2015	AVONDALE C.U.P. AND P.A.D. AMENDMENT SUBMITTAL
2	12/15/2015	AVONDALE C.U.P. AND P.A.D. AMENDMENT RE-SUBMITTAL
3	01/07/2016	AVONDALE PRELIMINARY SITE PLAN SUBMITTAL
4	03/03/2016	AVONDALE PRELIMINARY SITE PLAN RE-SUBMITTAL

WESTERN STATES  
 LOGGING MANAGEMENT | DEVELOPMENT  
 1018 West Alhambra Drive  
 Taylorsville, UT 84123

**LEGACY HOUSE OF AVONDALE**  
**AVONDALE, ARIZONA**

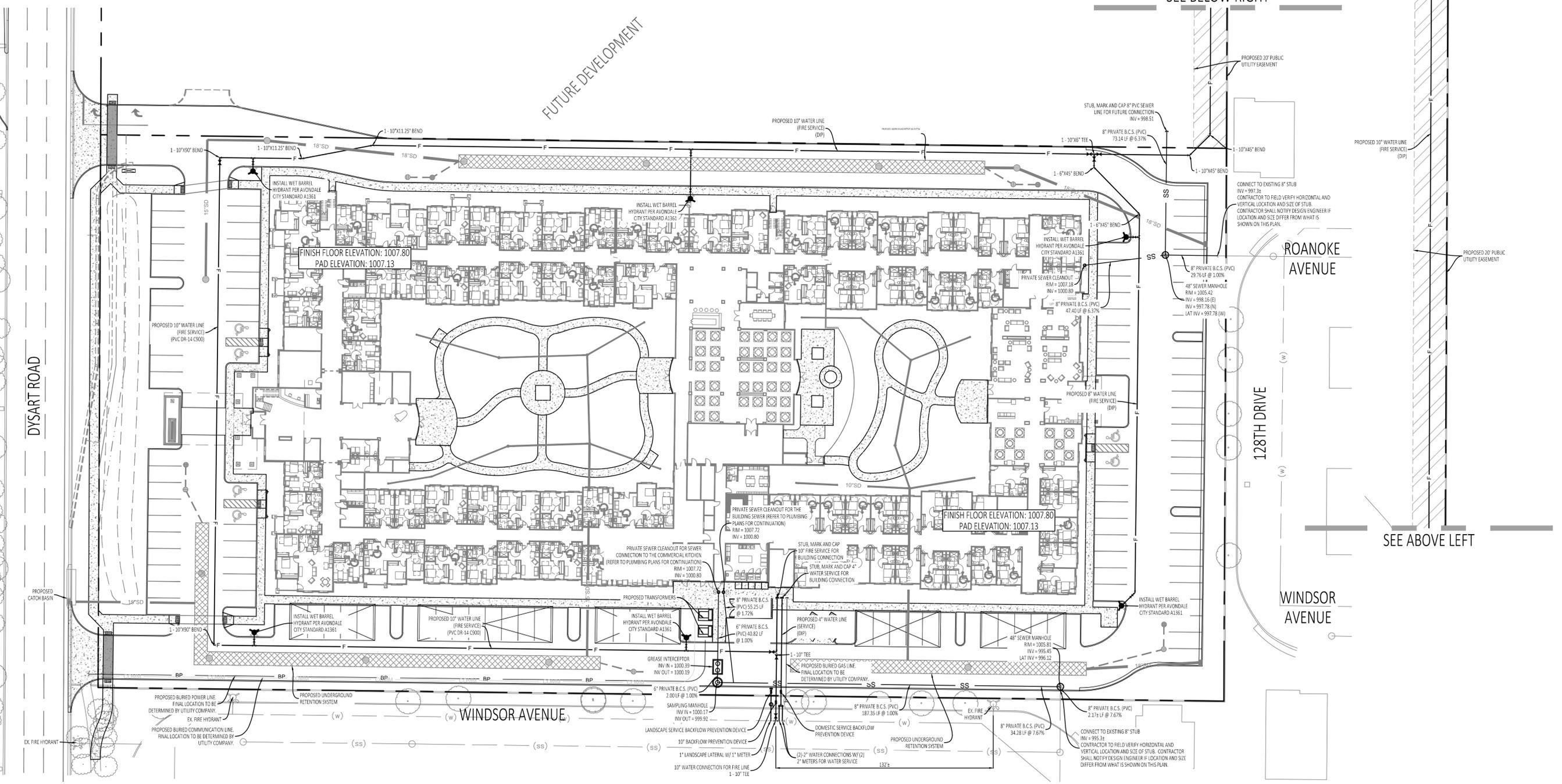
Project Number:	149770
Date:	11-03-2015
Scale:	
Sheet #	C-000







**NOTE:**  
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**Michael Baker International**  
 MICHAEL BAKER INTERNATIONAL  
 2929 N. CENTRAL AVENUE,  
 SUITE 800, PHOENIX, AZ 85012  
 (602)279-1234

ISSUED FOR CONSTRUCTION

CALL TWO WORKING DAYS BEFORE YOU DIG  
**602-263-1100**  
**1-800-STAKE-IT**  
 (OUTSIDE MARICOPA COUNTY)

NO.	DATE	DESCRIPTION
1	11/03/2015	AVONDALE C.U.P. AND P.A.D. AMENDMENT SUBMITTAL
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**LEGACY HOUSE OF AVONDALE  
 AVONDALE, ARIZONA**

**PRELIMINARY OVERALL UTILITY PLAN**

Project Number: 149770  
 Date: 11-03-2015  
 Scale: 0 30 45  
 1"=30'  
 Sheet # C-301  
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