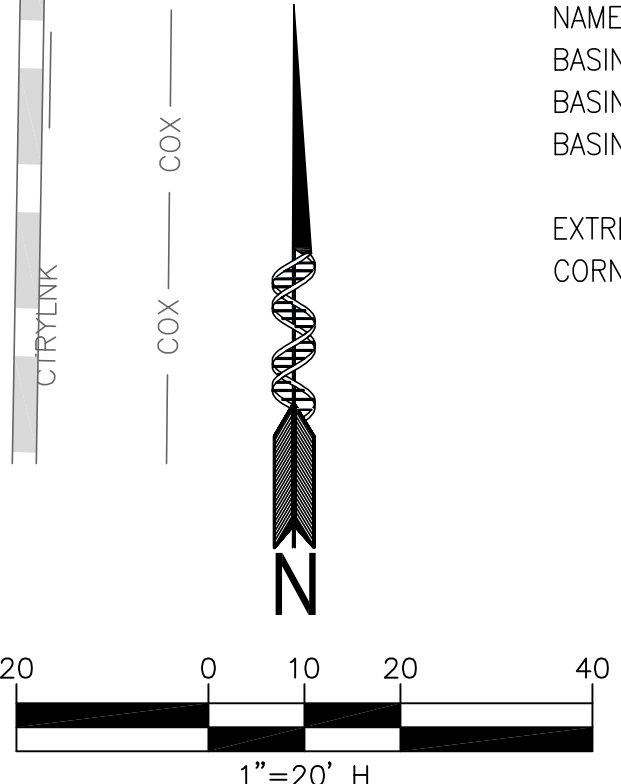
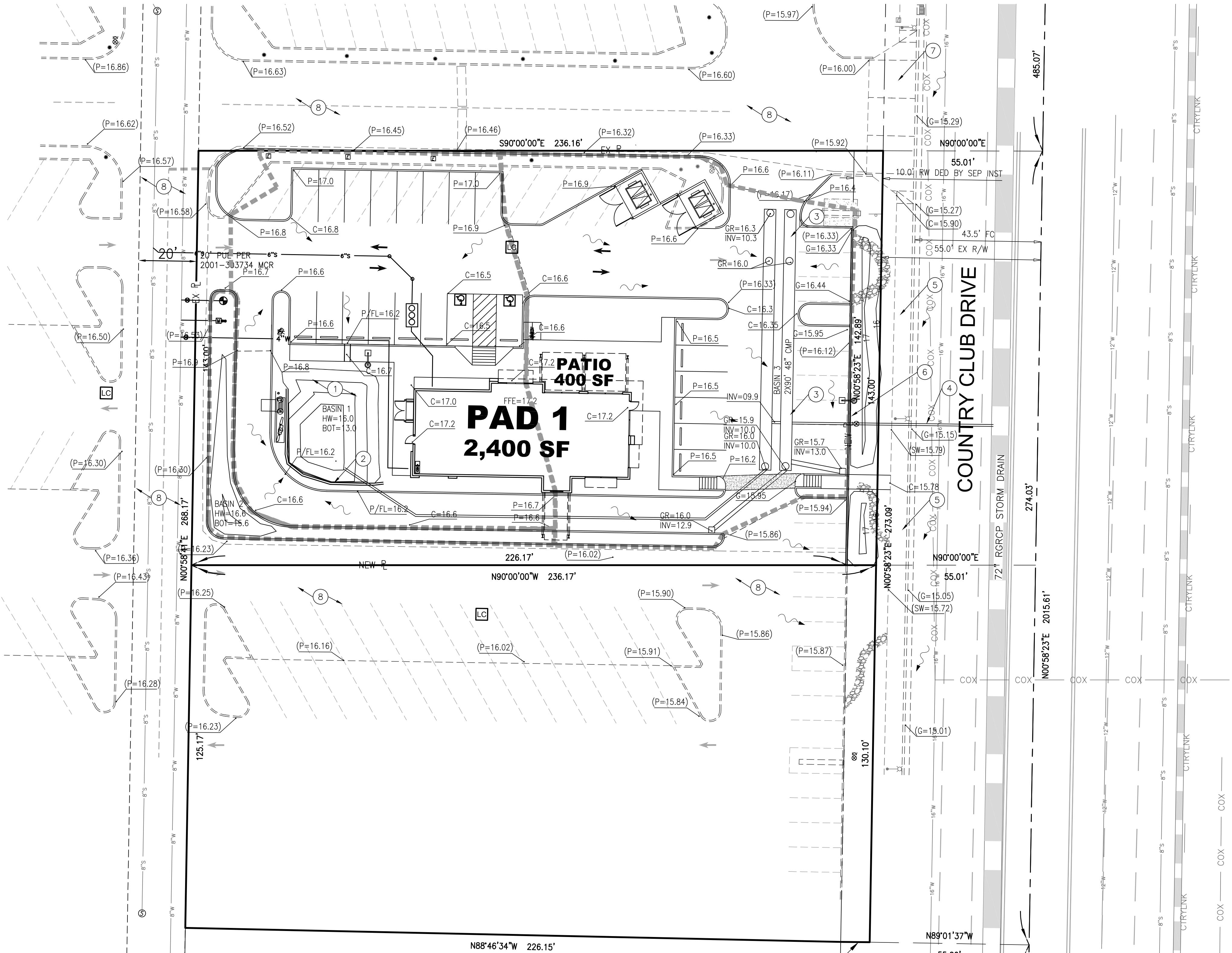


Jul 31, 2018 - 7:36am  
G:\095\350.1 - Country Club Starbucks Quicklook\DWG\WPS\350.1 impr plans.dwg

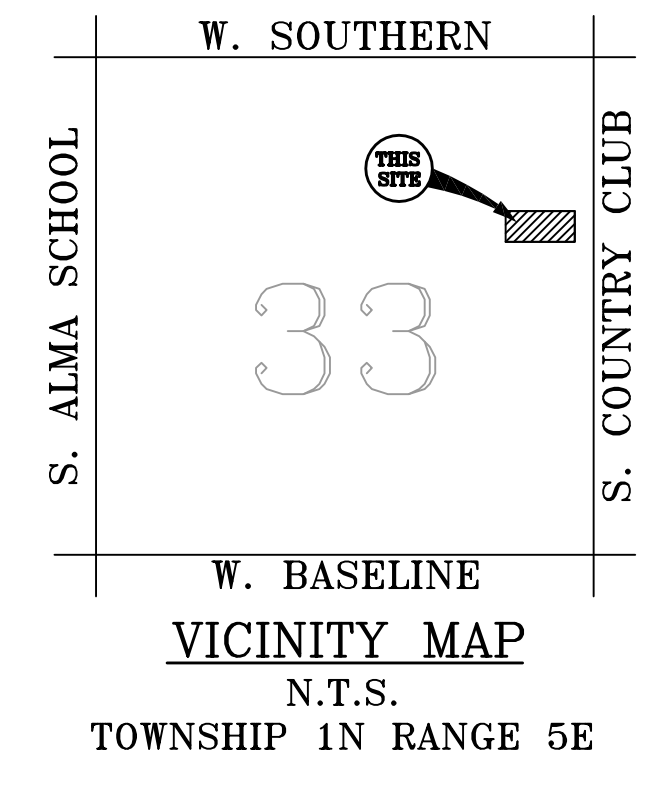


# PRELIMINARY G/D PLAN

SWC OF W. SOUTHERN AND S. COUNTRY CLUB, MESA, ARIZONA

A PORTION OF THE NORTHEAST QUARTER OF SECTION 33,  
TOWNSHIP 1 NORTH, RANGE 5 EAST  
OF THE GILA AND SALT RIVER BASE  
AND MERIDIAN, MARICOPA COUNTY, ARIZONA

FEMA CLASSIFICATION: ZONE X; 04013C2264M



- KEYED NOTES**
1. CONSTRUCT NEW SURFACE BASIN
  2. CONSTRUCT 2' KEYSTONE LANDSCAPE WALL
  3. CONSTRUCT 48" UG RETENTION
  4. CONSTRUCT 8" BLEEDOFF PIPE WITH VALVE
  5. SIDEWALK TO REMAIN
  6. 65' RIGHT OF WAY
  7. DRIVEWAY TO REMAIN
  8. PAVEMENT TO REMAIN

CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH ALL SITE DISCIPLINES INCLUDING BUT NOT LIMITED TO SITE LIGHTING, LANDSCAPING, SITE UTILITIES, SITE LIGHTING, DRY UTILITIES, ARCHITECTURAL SITE AND BUILDING PLANS AND COORDINATE WALL WORK AS NEEDED.

NARRATIVE:  
PROJECT IS THE DEVELOPMENT OF ONE RETAIL BUILDING

EXISTING SITE IS UNDEVELOPED WITH NO RETENTION. SITE WILL PROVIDE 100 YEAR 2 HOUR ONSITE RETENTION

COUNTRY CLUB IS FULLY DEVELOPED WITH OFFSITE FLOWS OUTFALLING TO STORM DRAIN IN COUNTRY CLUB.

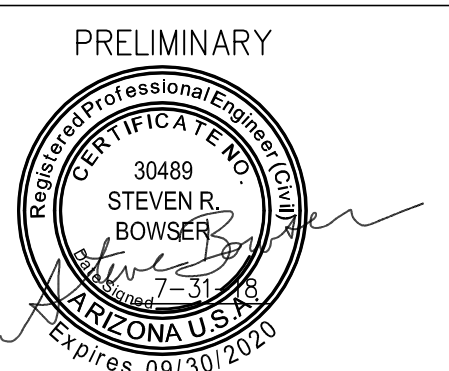
SITE IS CALCULATED USING C FACTOR OF 0.85 FOR PAVED AREAS AND 0.50 FOR LANDSCAPED AREAS.

RETENTION WILL BE BY 3' DEEP BASIN AT REAR OF PROPERTY AND TWIN 48" UNDERGROUND PIPES ON THE EAST SIDE OF THE SITE.

NAME	AREA	C FACTOR	100-2 DEPTH	VOL REQ	VOL PROV
BASIN 1	12,804	0.85	0.183	1995	2202
BASIN 2	1,374	0.50	0.183	125	155
BASIN 3	13,775	0.85	0.183	2147	2262

EXTREME STORM OUTFALL FOR THIS SITE IS THE SOUTHEAST CORNER OF THE SITE

CLIENT:  
Avalon Investments, Inc  
7333 E. Doubletree Ranch Road  
Suite 140  
Scottsdale, AZ 85260



**Helix Engineering, LLC**  
Engineering / Surveying / Consulting  
3240 E Union Hills  
Suite 112  
Phoenix AZ 85050  
(PH) 602-788-2616  
www.hxeng.com

THIS DRAWING IS COPYRIGHTED AND IS THE SOLE PROPERTY OF THE OWNER. IT IS PRODUCED SOLELY FOR USE BY THE OWNER AND ITS AFFILIATES. REPRODUCTION OR USE OF THIS DRAWING AND/OR THE INFORMATION CONTAINED IN IT IS FORBIDDEN WITHOUT THE WRITTEN PERMISSION OF THE OWNER.

TWO WORKING DAYS BEFORE YOU DIG.  
CALL FOR THE BLUE STAKES  
1-800-782-5348  
BLUE STAKE CENTER

RELEASE	
DATE	
5-25-18	PRELIM GD
6-26-18	REV SP, REV GD
7-20-18	REV SP
7-31-18	REV SP

REVISIONS	
NO.	DATE
1	
2	
3	

PROJECT NAME

PROJECT LOCATION

Southern / Country Club  
1252 S. Country Club  
Mesa, AZ 85210

PROJECT

HELIX JOB NUMBER

350.1

SHEET TITLE

GD PLAN

SHEET

GD-1

PLOT SCALE: 1:1 @ 24"x36"; 1:2.2 @ 11"x17"

IN HOUSE  
DRAWN BY: MT  
CHECKED BY: SB

PAGE  
1 OF 2

ZON18-00454/ DRE18-00443