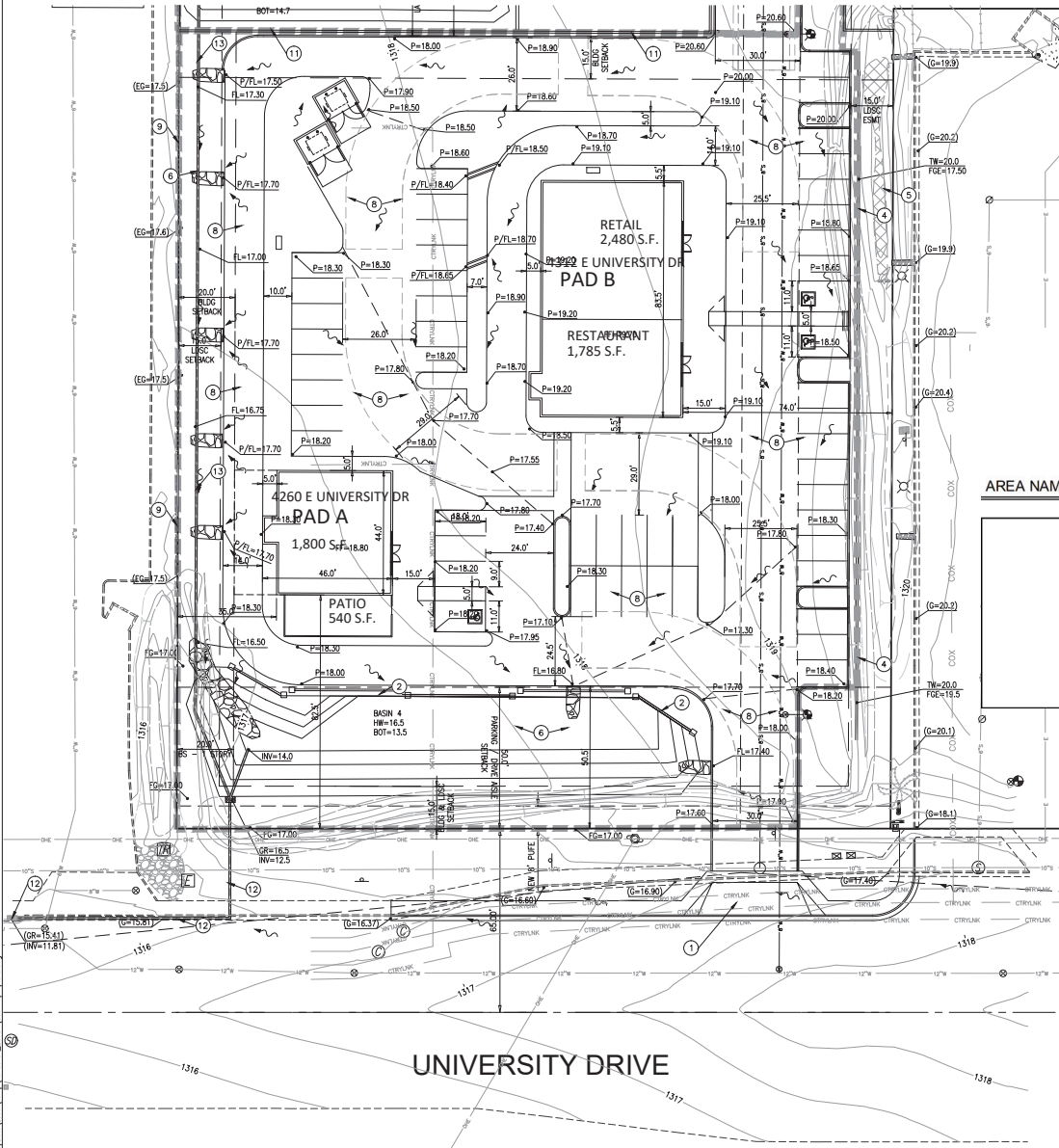


MATCH LINE - SEE SHEET GD-2

MATCH LINE - SEE SHEET GD-1



KEY NOTES

1. NEW MESA M-42 DRIVEWAY
2. CONSTRUCT RETAINING WALL
3. CONSTRUCT NEW DRYWELL
4. CONSTRUCT RETAINING WALL
5. EXISTING BASIN TO REMAIN
6. CONSTRUCT NEW BASIN
7. REMOVE FENCE FOR NEW GROSS ACCESS DRIVE
8. CONSTRUCT NEW ONSITE PAVEMENT
9. EXISTING WALL TO REMAIN
10. CONSTRUCT ONSITE STORM DRAIN
11. CONSTRUCT SITE WALL
12. CONSTRUCT GRAVITY BLEED LINE IN RIGHT OF WAY TO EXISTING INLET
13. CONSTRUCT 8" ONSITE BLEED LINE
14. CONSTRUCT SMALL PUMP SYSTEM TO BLEED OFF UNDERGROUND RETENTION
15. FINAL GRADING PLAN TO ADJUST GRADING ON EXISTING SITE TO MAINTAIN SAME VOLUMES (GROSS ACCESS AREA VOLUME REMOVED TO BE EQUAL TO EXPANSION IN SAME BASIN).

100 Year 2 hr depth

Overage required

2.2 INCHES
0.183333

0%

AREA NAME	SF AREA	LF UG reten	C FACTOR	DEPTH	OVER AGE REQD	VOL REQUIRED	VOL PROVIDED	excess
1	42,780		0.9	0.183333	100%	7,059	8,078	1,019
2	56,674		0.9	0.183333	100%	9,351	9,637	286
3	2,665		0.50	0.183333	100%	244	412	167
4	66,888		0.9	0.183333	100%	11,037	12,437	1,401

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Suite 113
Phoenix AZ 85050
(602) 788-2616
www.helixeng.com

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

RELEASE DATE	DR CONCEPTS
10-3-22	PRELIM GD
12-21-22	REVISED SITE PLAN
3-17-23	REVISED SITE PLAN
4-7-23	REVISED SITE PLAN
7-14-23	REVISED SITE PLAN
7-20-23	REVISED SITE PLAN
8-11-23	REVISED SITE PLAN

REVISIONS NO.	DATE
1	
2	
3	

PROJECT NAME

PROJECT ADDRESS

University / Greenfield
Mesa, ARIZONA
85205

PROJECT AREA

HELIX JOB NUMBER

506

DRAWN BY: MT

CHECKED BY: SB

SHEET TITLE

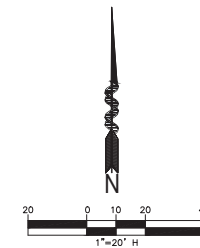
PRELIM GD PLAN

SHEET

GD-2

2 OF 2

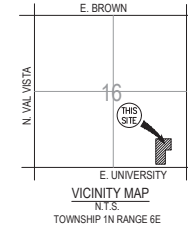
PLOT SCALE: 1:1 @ 24"x36"; 1:2.2 @ 11"x17"



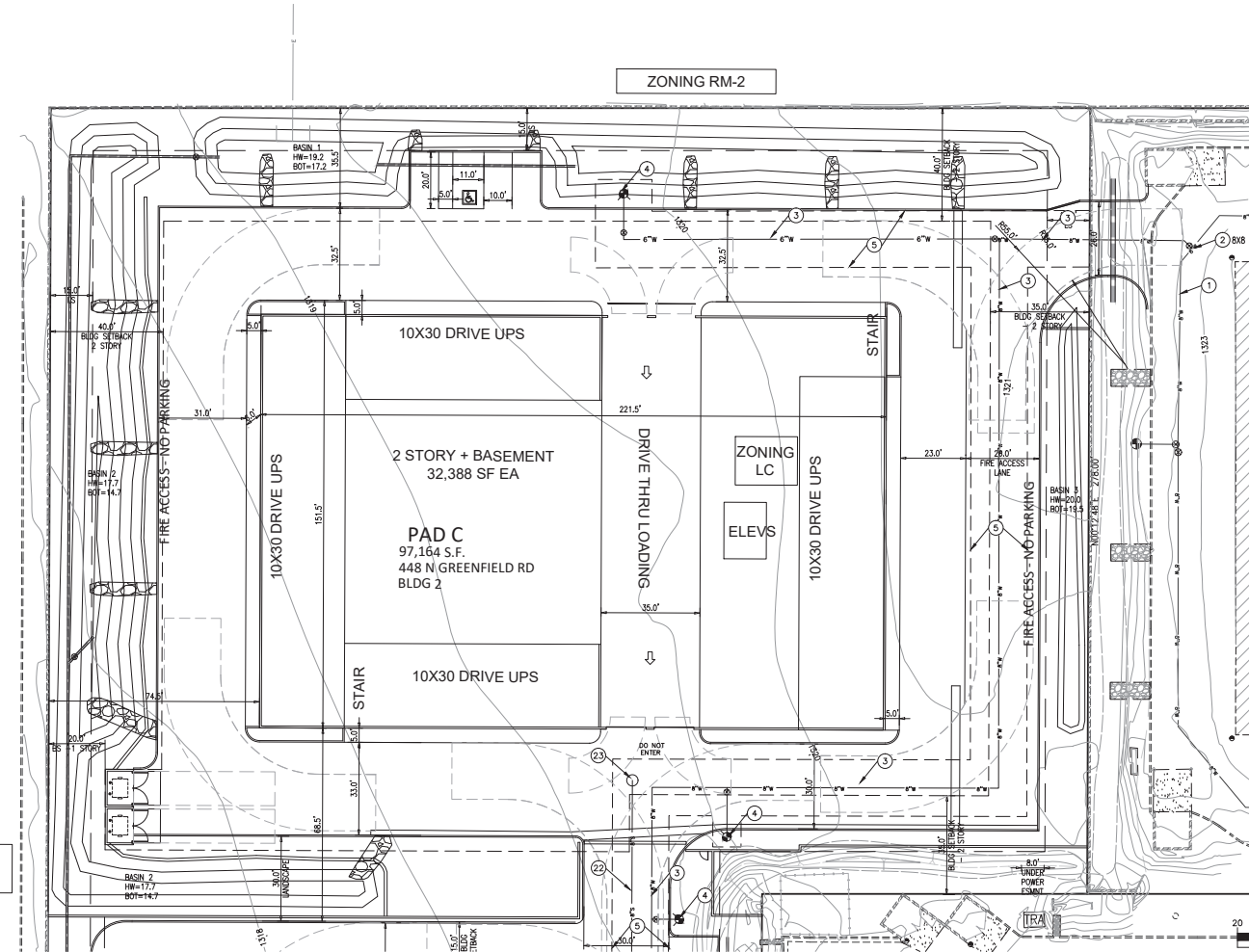
PRELIMINARY UTILITY PLAN

NWC Greenfield / University
4312 E. University Dr
Mesa, Arizona 85206

A PORTION OF THE SOUTEAST QUARTER
OF SECTION 16, TOWNSHIP 1 NORTH, RANGE 6 EAST,
OF THE GILA AND SALT RIVER BASE AND MERIDIAN,
MARICOPA COUNTY, ARIZONA.



ZONING RM-2



KEYED NOTES

- EXISTING PUBLIC WATER
- CONSTRUCT 15&Y PER MAG STD DET 340 AND VALVE PER MAG STD DET 391-1 TYPE A
- CONSTRUCT DIP CL 350 WATER MAIN
- CONSTRUCT HYDRANT
- 20" PUBLIC WATER/SEWER ESMT BY SEP INSTRUMENT
- EXISTING PUBLIC SEWER
- CONSTRUCT NEW SEWER MANHOLE ON EXISTING MAIN
- CONSTRUCT 8" PUBLIC SEWER SDR35
- CONSTRUCT NEW SEWER MANHOLE



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7-14-23	REVISED SITE PLAN
7-20-23	REVISED SITE PLAN
8-11-23	REVISED SITE PLAN

REVISIONS	
NO.	DATE
1	
2	
3	

PROJECT NAME

PROJECT ADDRESS

University / Greenfield
Mesa, ARIZONA
85205

PROJECT AREA

HELIX JOB NUMBER

506

IN HOUSE

DRAWN BY: MT

CHECKED BY: SB

SHEET TITLE

PRELIM UTIL PLAN

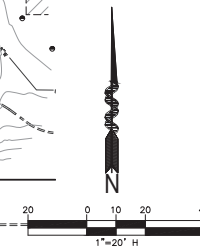
SHEET

UT-1

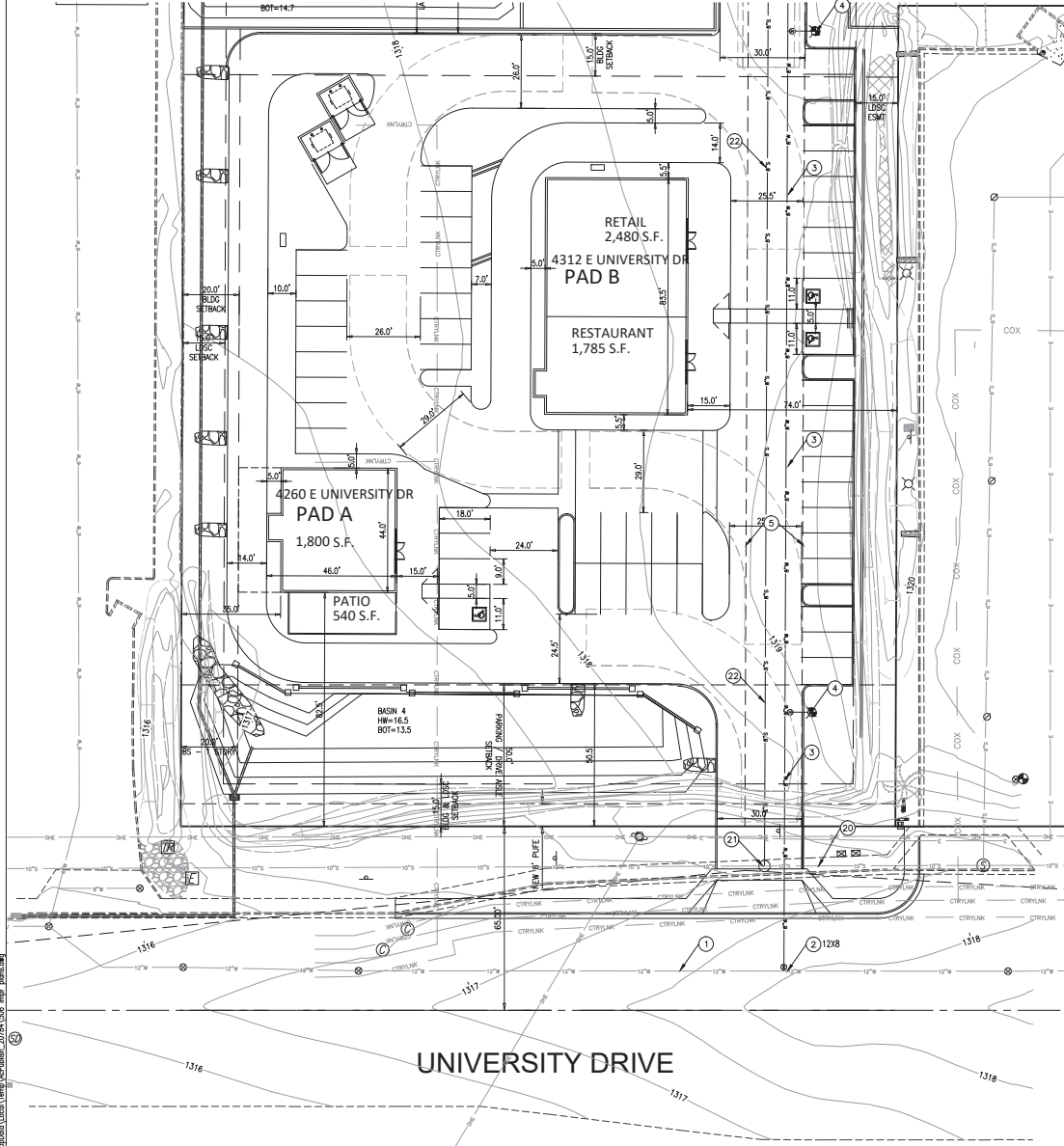
1 OF 2

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

MATCH LINE - SEE SHEET UT-2



MATCH LINE - SEE SHEET UT-1



KEYED NOTES

- EXISTING PUBLIC WATER
- CONSTRUCT TS&V PER MAG STD DET 340 AND VALVE PER MAG STD DET 391-1 TYPE A
- CONSTRUCT DIP CL 350 WATER MAIN
- CONSTRUCT HYDRANT
- 20" PUBLIC WATER/SEWER ESMT BY SEP INSTRUMENT
- EXISTING PUBLIC SEWER
- CONSTRUCT NEW SEWER MANHOLE ON EXISTING MAIN
- CONSTRUCT 8" PUBLIC SEWER SDR35
- CONSTRUCT NEW SEWER MANHOLE

PRELIMINARY



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SHEET TITLE

PRELIM UTIL PLAN

SHEET

2 OF 2

UT-2

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

