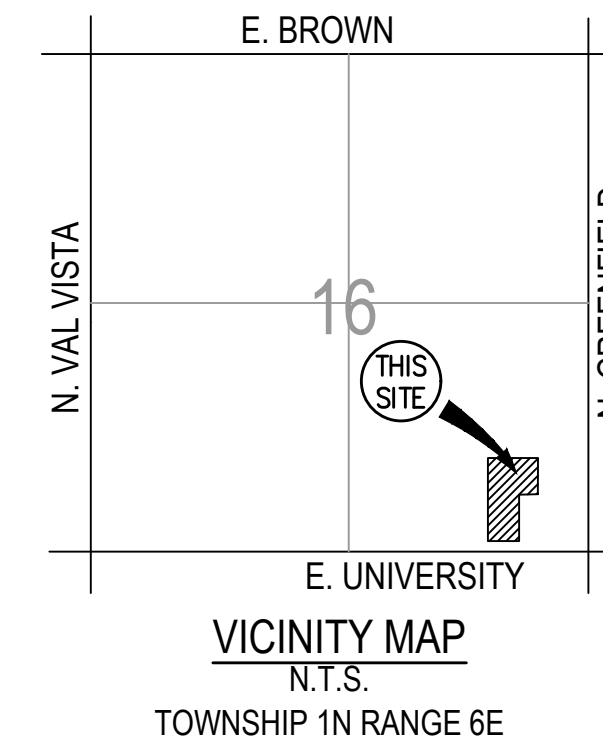


PRELIMINARY GRADING PLAN

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.

FEMA CLASSIFICATION: ZONE X (SHADED); 04013C2290L (10-16-13)
NET LAND AREA: 4.03 ACRES
APN 140-14-003M



PRELIMINARY



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10-3-22	PRELIM GD
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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

SHEET TITLE

PRELIM GD PLAN

SHEET

GD-1

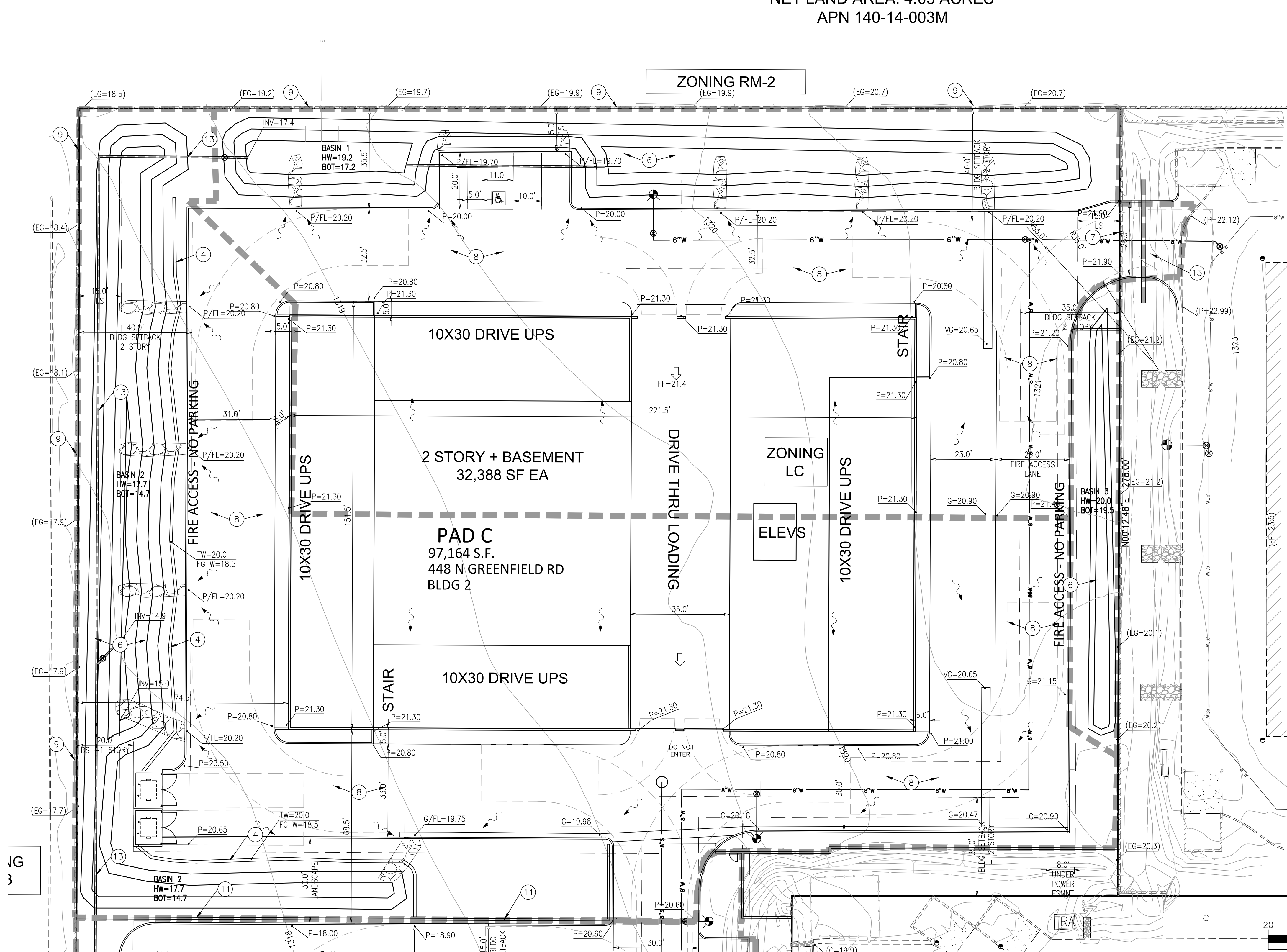
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1 OF 2

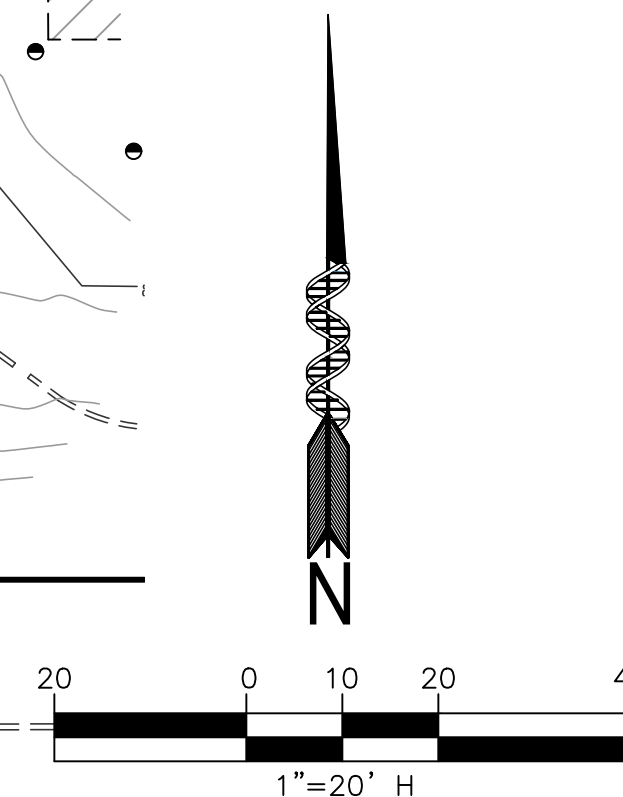
PLOT SCALE: 1:1 @ 24"x36"; 1:2.2 @ 11"x17"

KEYED NOTES

- NEW MESA M-42 DRIVEWAY
- CONSTRUCT RETAINING WALL
- CONSTRUCT NEW DRYWELL
- CONSTRUCT RETAINING WALL
- EXISTING BASIN TO REMAIN
- CONSTRUCT NEW BASIN
- REMOVE FENCE FOR NEW CROSS ACCESS DRIVE
- CONSTRUCT NEW ONSITE PAVEMENT
- EXISTING WALL TO REMAIN
- CONSTRUCT ONSITE STORM DRAIN
- CONSTRUCT SITE WALL
- CONSTRUCT GRAVITY BLEED LINE IN RIGHT OF WAY TO EXISTING INLET
- CONSTRUCT 8" ONSITE BLEED LINE
- CONSTRUCT SMALL PUMP SYSTEM TO BLEED OFF UNDERGROUND RETENTION
- FINAL GRADING PLAN TO ADJUST GRADING ON EXISTING SITE TO MAINTAIN SAME VOLUMES (CROSS ACCESS AREA VOLUME REMOVED TO BE EQUAL TO EXPANSION IN SAME BASIN).

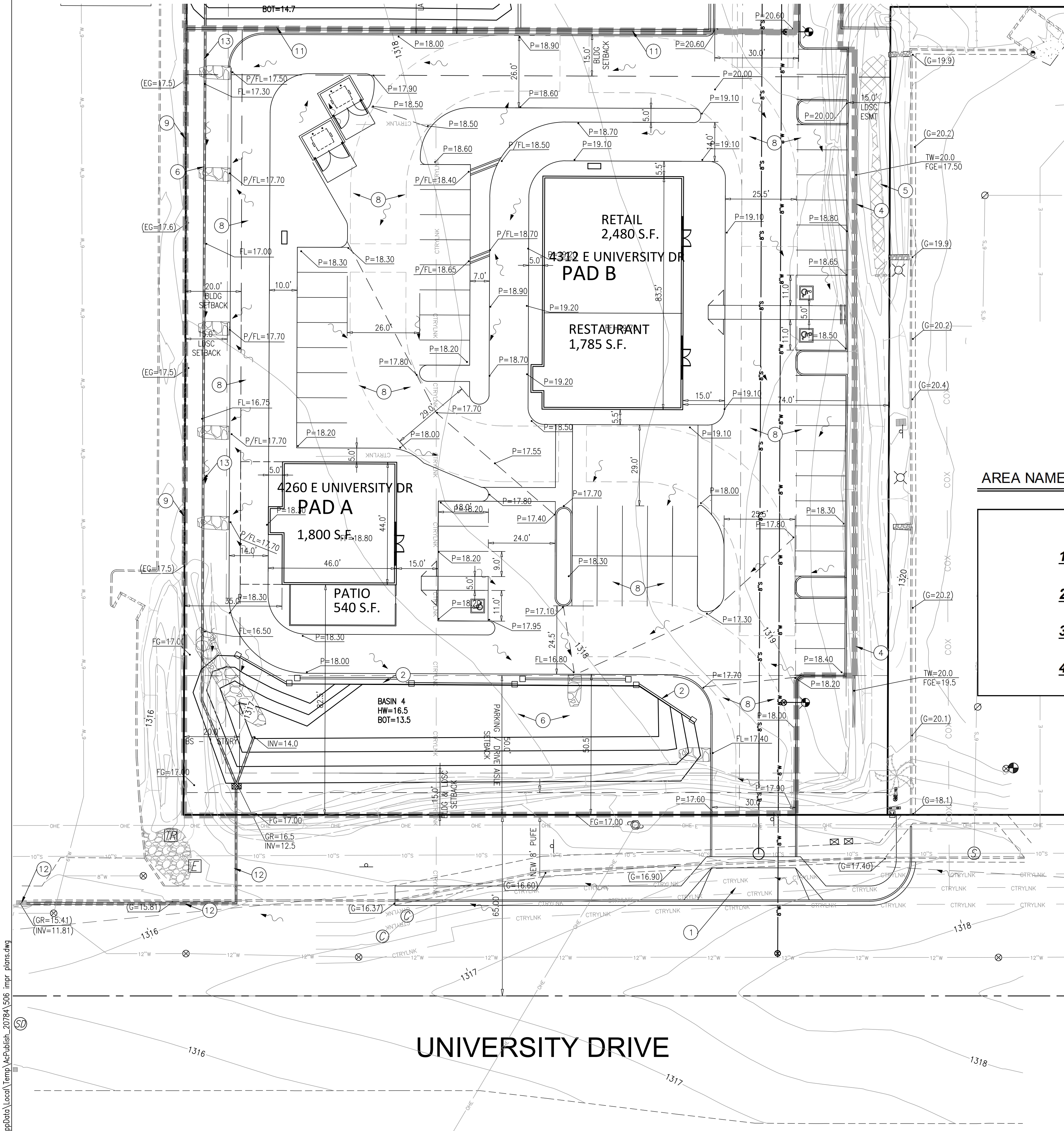


MATCH LINE - SEE SHEET GD-2



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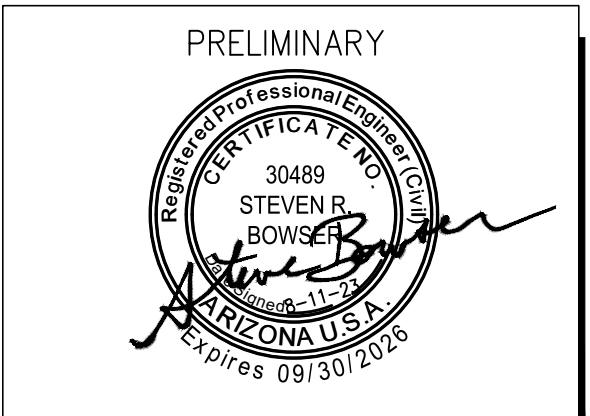
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100 Year 2 hr depth
Overage required

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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SHEET TITLE

PRELIM GD PLAN

SHEET

GD-2

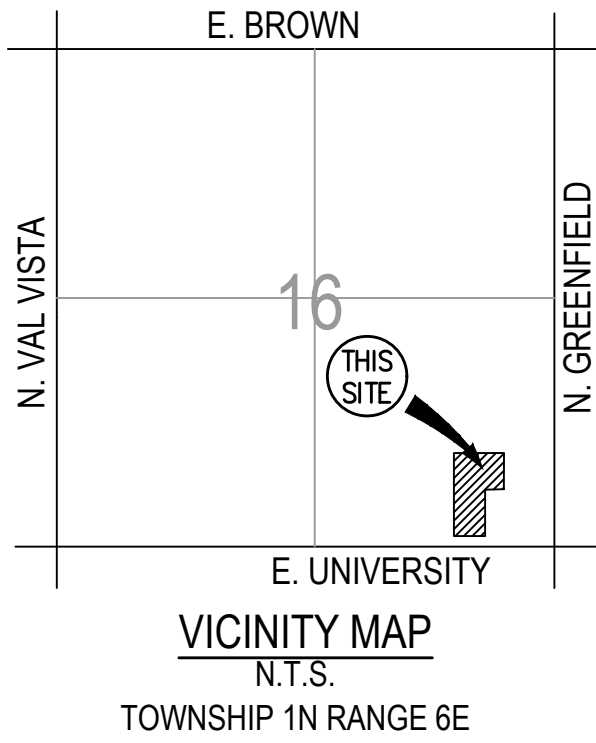
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UT-1

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

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ZONING RM-2

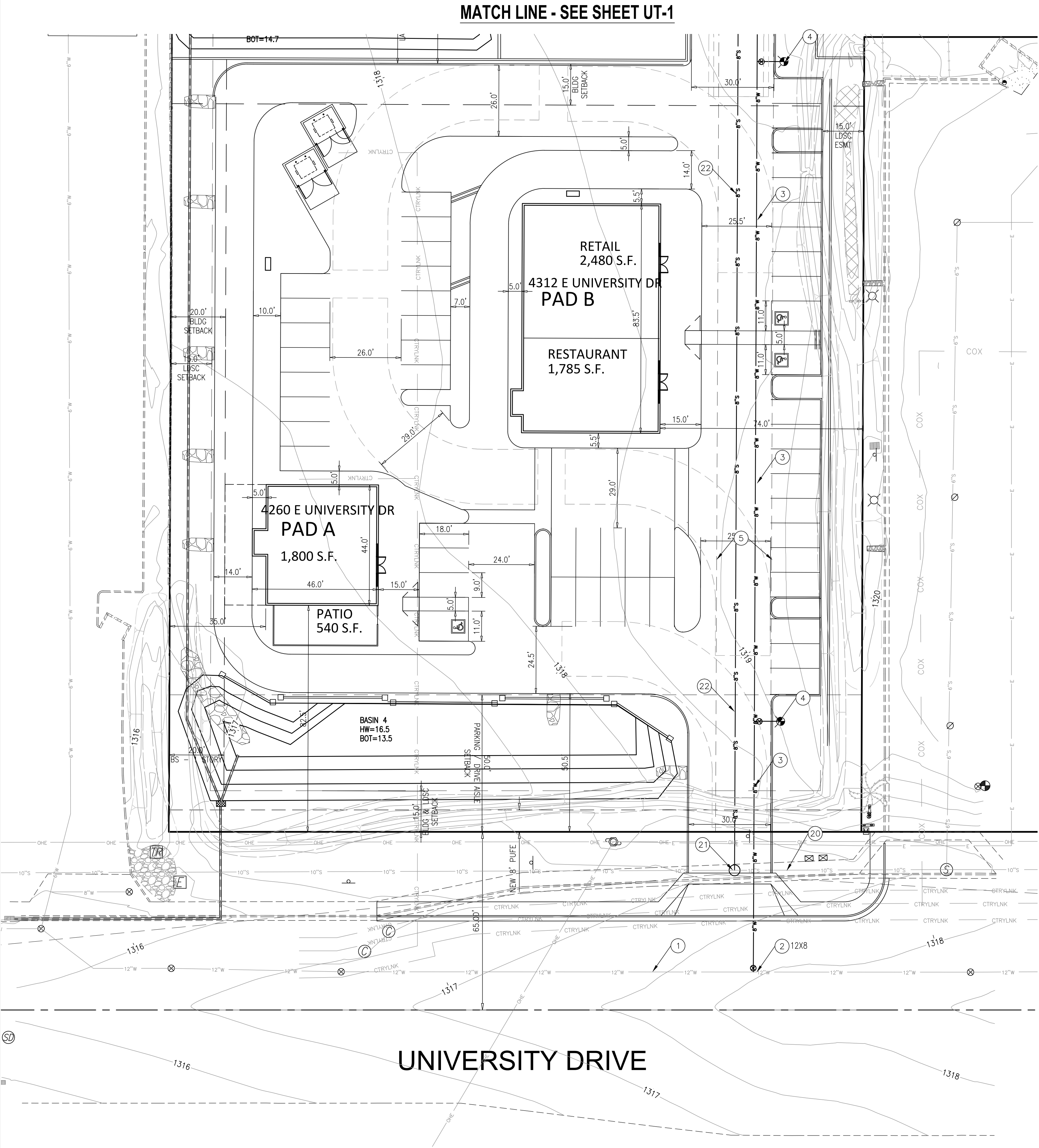
KEYED NOTES

- 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

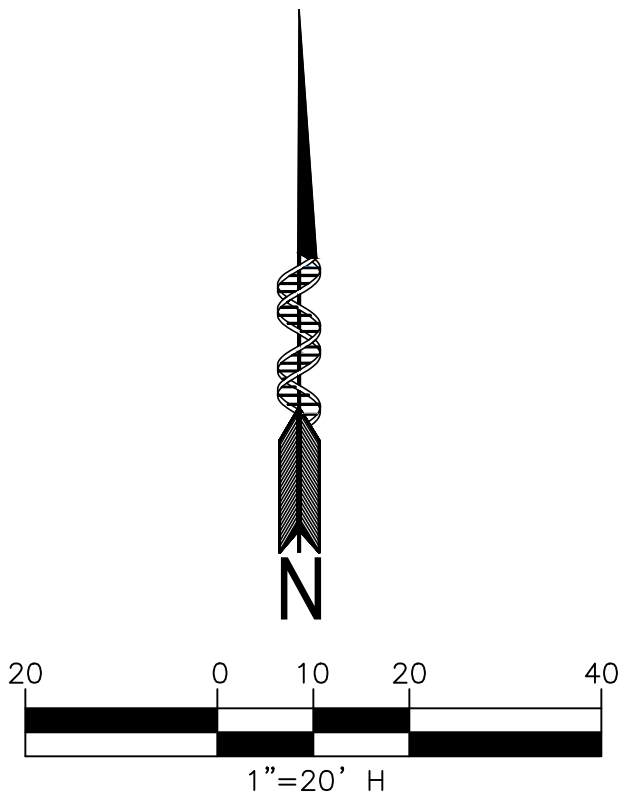
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- (X) **KEYED NOTES**
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 5. 20" PUBLIC WATER/SEWER ESMT BY SEP INSTRUMENT
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20. EXISTING PUBLIC SEWER
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 23. CONSTRUCT NEW SEWER MANHOLE



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PAGE

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