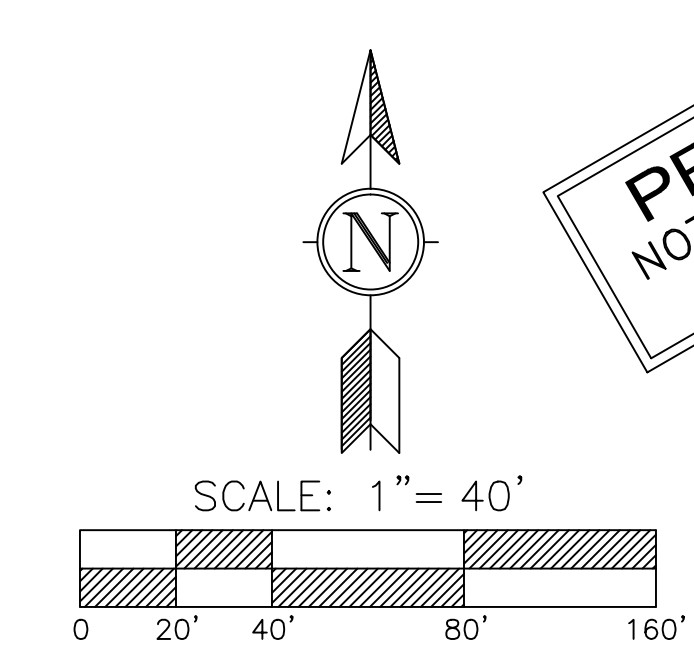
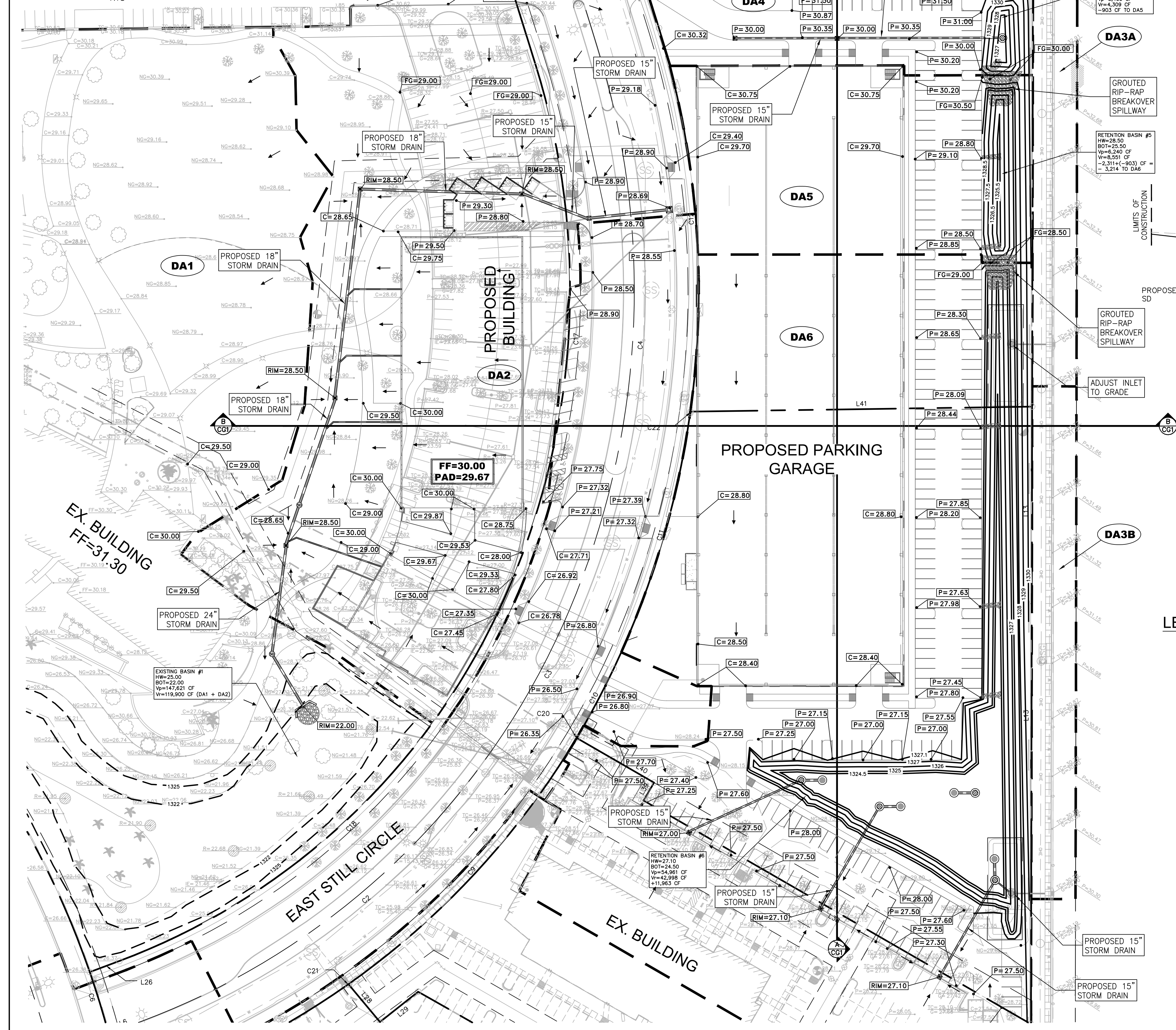




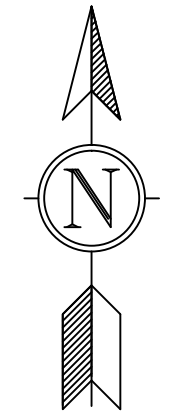
AZ HEALTH AND TECH - ATSU BLDG 2
 CONCEPTUAL UTILITY PLAN
 MESA, ARIZONA

REVISIONS					
DATE:		06/27/16			
PROJ. NO:		215-026			
DESIGN:		JSE			
DRAWN:		JG			
CHECK:		JSE			
SCALE:		1"=40'			
CAD FILE:		1526CU01			
CU1 1 of 1					

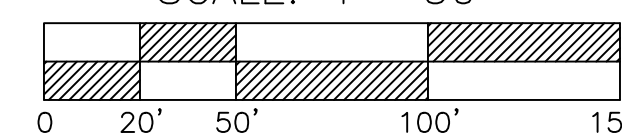
CU1
1 of 1



- | | |
|---|---|
| <div style="border: 1px solid black; padding: 5px; display: inline-block;">FF=1201.00
PAD=1200.33</div> | FINISH FLOOR ELEVATION
PAD ELEVATION |
|  | CATCH BASIN |
|  | STORM DRAIN PIPE |
|  | DIRECTION OF FLOW |
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">P=28.00</div> | PAVEMENT ELEVATION |
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">C=28.00</div> | CONCRETE ELEVATION |
| <div style="border: 1px solid black; padding: 2px; display: inline-block;">RIM=27.00</div> | RIM ELEVATION |
|  | GRADE BREAK |
|  | PROPOSED DRAINAGE AREA |
|  | PROPOSED CURB OPENING |
|  | PROPOSED RIP-RAP |
|  | DUAL CHAMBER DRYWELL |
|  | HEAD WALL |
|  | PROPOSED RET. BASIN |



SCALE: 1"=50'

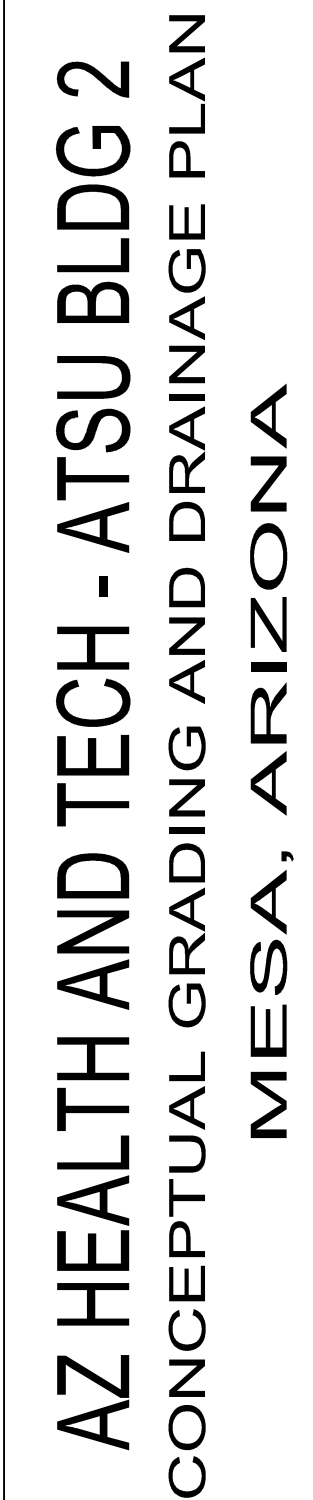


PRELIMINARY
NOT FOR CONSTRUCTION
OR RECORDING

Call at least two full working days
before you begin excavation.

ARIZONA 811
Arizona Blue Stake, Inc.

Dial 8-1-1 or 1-800-STAKE-IT (782-5348)
In Maricopa County: (602) 263-1100

[illegible]

DATE:	06/27/1
PROJ. NO:	215-02
DESIGN:	JS
DRAWN:	J
CHECK:	JS
SCALE:	1"=50'
CAD FILE:	1526CG

CG1
1 of 2



AZ Health & Tech ATSU Bldg. 2	
EMEJOB: 215-026	
DATE: June 3, 2016	
PREPARED BY: JG	
CHECKED BY: JSE	

RETENTION REQUIRED = (D/12) * C * A
D=2.2 in/hr
 RUNOFF COEFFICIENTS: 0.90

DRAINAGE AREA LD.	TOTAL AREA (Ac)	AREA (sf)	C= (cf)	VOLUME REQUIRED (cf)	VOLUME PROVIDED (cf)	EXCESS/ SHORTAGE (cf)
1	12.11	527,307	0.90	87,006	147,621	60,615
2	4.14	180,277	0.90	29,746	0	-29,746
3	7.16	311,844	0.50	28,586	31,207	2,621
3A	0.46	19,981	0.90	3,297	0	-3,297
3B	0.43	18,521	0.90	3,056	0	-3,056
4	0.60	26,116	0.90	4,309	3,406	-903
5	1.21	52,522	0.90	8,666	6,240	-2,426
6	5.98	260,595	0.90	42,998	54,961	11,963
Total	32.07	1,397,163		207,663	243,435	35,772

TEMP RETENTION
BASIN #3
HW=31.00
BOT=30.30
Vp=31,207 CF
Vr=28,586 CF

RETENTION BASIN #4
HW=30.00
BOT=27.00
Vp=3,406 CF
Vr=4,309 CF
-903 CF TO DA5

DA3A

RETENTION BASIN #5
HW=28.50
BOT=25.50
Vp=6,240 CF
Vr=8,551 CF
-2,311+(-903) CF =
- 3,214 TO DA6

DA3B

RETENTION BASIN #6
HW=27.10
BOT=24.50
Vp=54,961 CF
Vr=42,998 CF
+11,963 CF

EXISTING BASIN #1
HW=25.00
BOT=22.00
Vp=147,621 CF
Vr=119,900 CF (DA1 + DA2)

DA3

DA4

DA5**DA6**

RECKER ROAD

EX. BLDG.

EX. BLDG.

DA1

DA2

PROP. GARAGE

FF=30.00
PAD=29.67

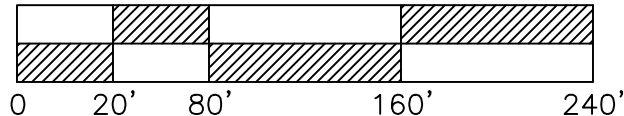
PROP.
BLDG.

EX. BLDG

EX.
BLDG

PRELIMINARY
NOT FOR CONSTRUCTION
OR RECORDING

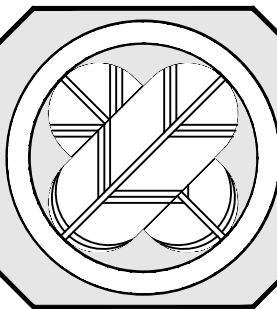
SCALE: 1" = 80



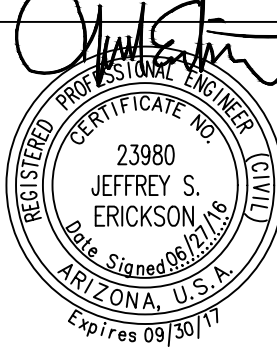
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ARIZONA811
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In Maricopa County: (602) 263-1100



Erickson & Meek
Engineering, L.L.C.
3444 N. 32nd Street
Suite 6
Phoenix, Arizona 85018
Phone: (602) 569-6599
Fax: (602) 569-6499



PHOENIX
AZ HEALTH AND TECH - ATSU BLDG 2
DRAINAGE EXHIBIT
MESA, ARIZONA

CONCLUSION

DATE:	06/27/1
PROJ. NO:	215-02
DESIGN:	JS
DRAWN:	✓
CHECK:	✓
SCALE:	1"=8
CAD FILE:	1526CG

CG2
2 of 2