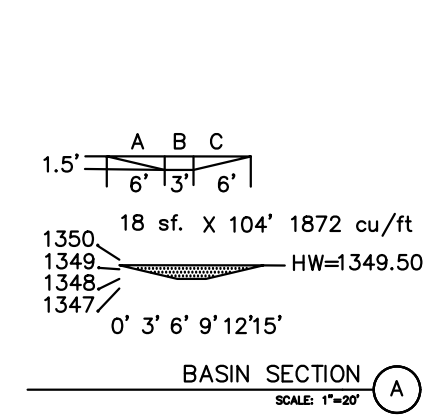
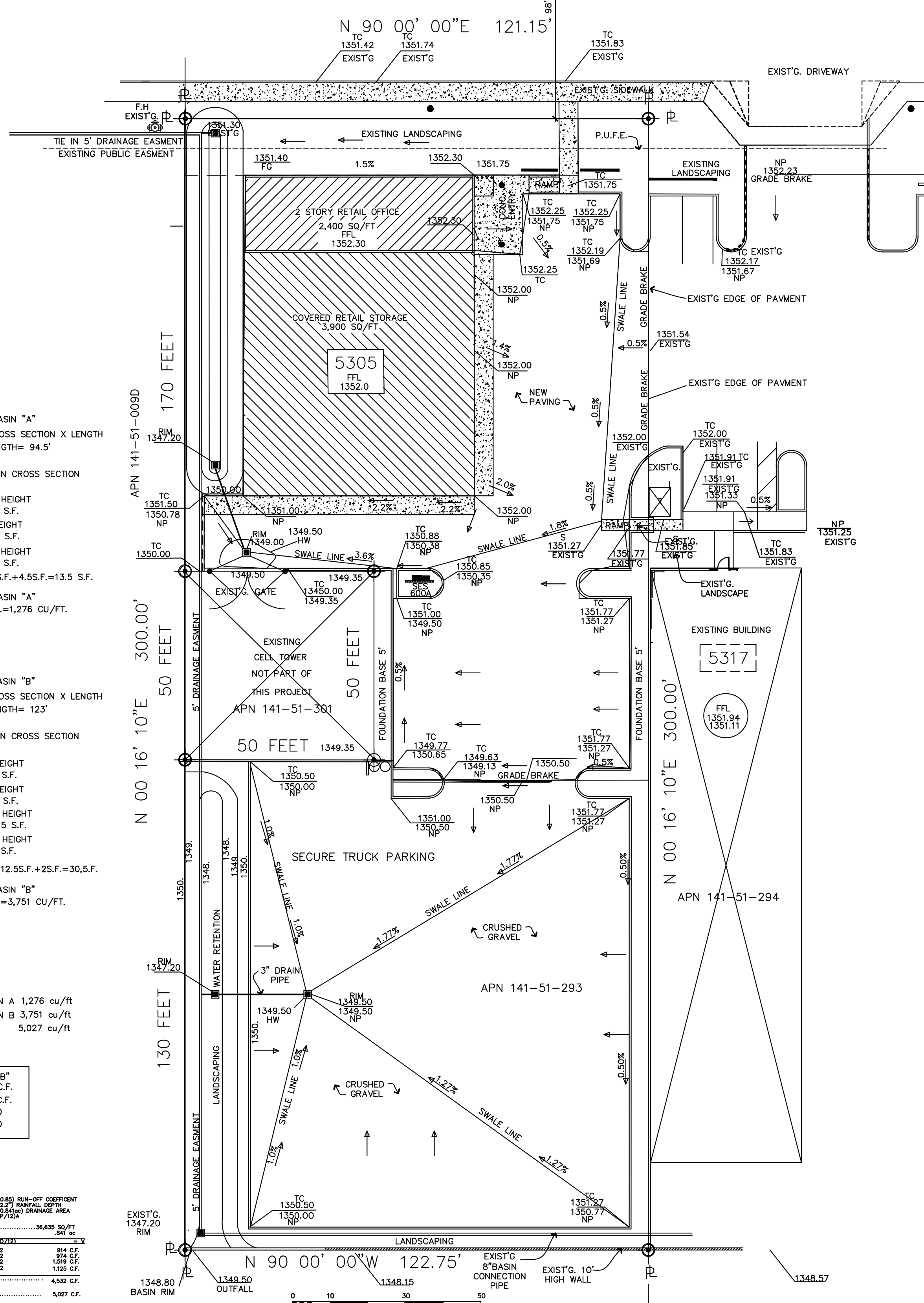


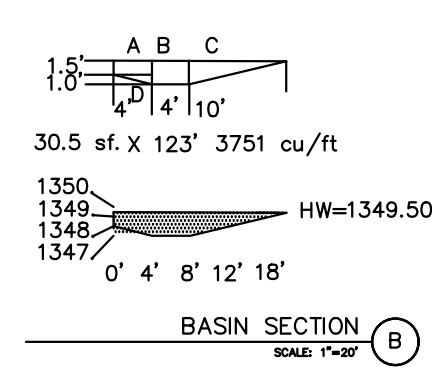
ZONING LC

EAST MAIN STREET



VOLUME OF BASIN "A"
= AREA OF CROSS SECTION X LENGTH
EFFECTIVE LENGTH= 94.5'

AREA OF BASIN CROSS SECTION
= A+B+C
A= BASE X 1/2 HEIGHT
6'X.75'=4.5 S.F.
B= BASE X HEIGHT
3'X.1.5'=4.5 S.F.
C= BASE X 1/2 HEIGHT
6'X.75'=4.5 S.F.
4.5 S.F.+4.5 S.F.+4.5S.F.=13.5 S.F.
VOLUME OF BASIN "A"
94.5'X 13.5S.F.=1,276 CU./FT.



VOLUME OF BASIN "B"
= AREA OF CROSS SECTION X LENGTH
EFFECTIVE LENGTH= 123'

AREA OF BASIN CROSS SECTION
= A+B+C+D
A= BASE X HEIGHT
4'X.1.5'=6 S.F.
B= BASE X HEIGHT
4'X2.5'=10 S.F.
C= BASE X 1/2 HEIGHT
10'X1.25'=12.5 S.F.
D= BASE X 1/2 HEIGHT
4'X0.5'=2 S.F.
6S.F.+10S.F.+12.5S.F.+2S.F.=30.5 S.F.
VOLUME OF BASIN "B"
123'X 30.5S.F.=3,751 CU./FT.

BASIN SECTION A 1,276 cu/ft
BASIN SECTION B 3,751 cu/ft
BASIN TOTAL 5,027 cu/ft

BASIN "A"&"B"
Vr= 4,532 C.F.
Vp= 5,027 C.F.
HW= 1349.50
BOT=1347.00

NO OFF-SITE RETENTION NEEDED		0.5% RUN-OFF COEFFICIENT = 1.5% RAINFALL OFF-RATE = 1.5% DRAINAGE AREA V=0.712A	
PARCEL #1	36,635 SQ/FT	214 C.F.	
ON-SITE REQUIRED	481 SQ	274 C.F.	
TOTAL AREA	36,635 SQ/FT	488 C.F.	
DESERT LANDSCAPING	8,994 SQ/FT	+ 0.50 = 23/2	214 C.F.
ROOF AND CONC.	2,900 SQ/FT	+ 0.85 = 23/2	274 C.F.
CONC. PAVING	12,301 SQ/FT	+ 0.50 = 23/2	1,325 C.F.
GRASS PAVING	12,301 SQ/FT	+ 0.50 = 23/2	1,325 C.F.
TOTAL REQUIRED RETENTION			4,532 C.F.
PROVIDED			5,027 C.F.
TOTAL PROVIDED RETENTION			37,604 GAL. / 2160 MIN. = 1740 GPM

GRADING AND RETENTION PLAN
SCALE: 1"=20'

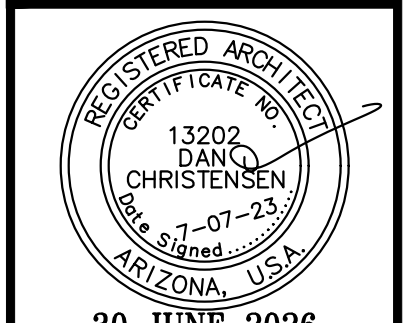
REVISIONS

C.E.W. ASSOCIATES LLC
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30 JUNE 2026

GRADING & RETENTION PLAN
SITE DEVELOPMENT

BY: DDC DATE:

A-3

FILE NO. 15-CM-001