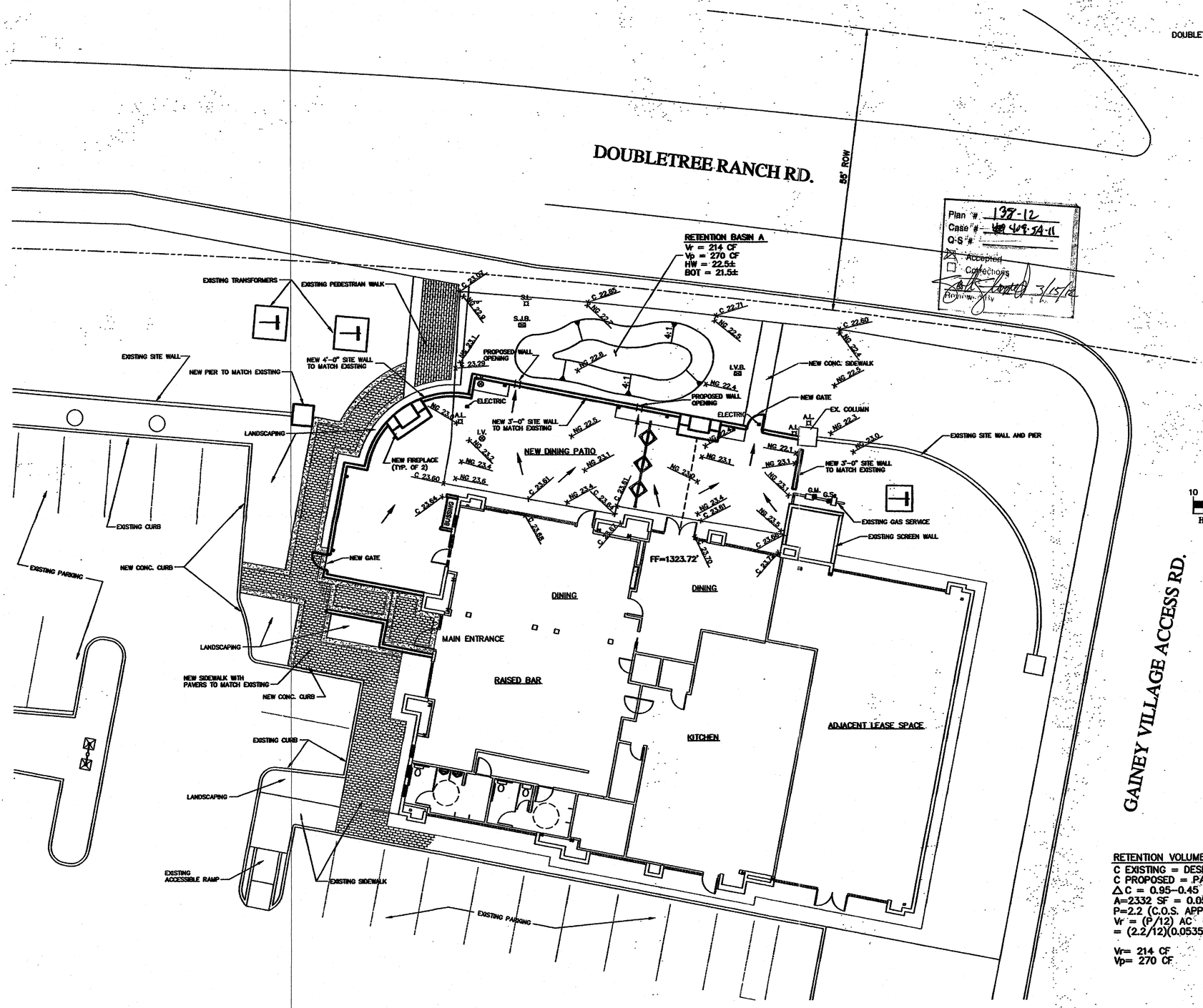
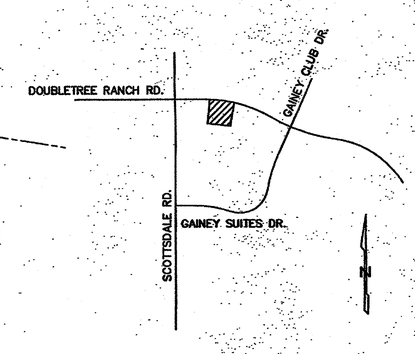


Plan # 138-12
Case # 409-SA-11
Q-S #
☒ Accepted
☐ Corrections
3/15/12



VICINITY MAP
N.T.S.

10 0 5 10
Horz. 1 in. = 10 ft.

RETENTION VOLUME

C EXISTING = DESERT LANDSCAPING NO WEED BARRIER = 0.45
C PROPOSED = PATIO
ΔC = 0.95–0.45 = 0.50 CHANGE IN RUNOFF COEFFICIENT
A=2332 SF = 0.0535 AC
P=2.2 (C.O.S. APP. 4–ID)
Vr = (P/12) AC
= (2.2/12)(0.0535 AC)(0.50) x $\frac{43560\ SF}{AC}$

Vr= 214 CF
Vp= 270 CF

CALL TWO WORKING DAYS BEFORE YOU DIG
(602) 263-1100
1-800-STAKE-IT
(OUTSIDE MARICOPA COUNTY)

DOWNSIDE RISK

SCOTTSDALE, ARIZONA
STORMWATER RETENTION EXHIBIT

Registered Professional Engineer (Civil)
CERTIFICATE NO. 18230
JAMES S. CAMPBELL
Date Signed 01-18-12
ARIZONA, U.S.A.
EXPIRES 06-30-14

WOOD/PATEL

CIVIL ENGINEERS
HYDROLOGISTS
LAND SURVEYORS
CONSTRUCTION MANAGERS

(602) 335-8500

PHOENIX • MESA • GOODYEAR • TUCSON

ENGINEER	J. CAMPBELL
DESIGNER	T. LUTHER
CAD TECHNICIAN	STAFF
SCALE (HORIZONTAL)	1" = 10'
SCALE (VERTICAL)	N/A
DATE	01-18-12
JOB NUMBER	123791
SHEET	1 OF 1

409-SA-11