

GEORGE PALERMO ARCHITECT AID
 SOUTH TAMPA TRAIL
 DATE 9-24-79
 FILE 19104

GRADES CALCULATION (See 201)

Original Conditions: Site Area = 1561 sq. ft. = 0.0356 ac.

Earth	85
Concrete	1702
Asphalt	195
Grass	195
Patio Deck	1400
Driveway	2313
Roofs	10052
Retains	15653

Weighted $Q_0 = 0.4739$

Developed Conditions:

Earth	0
Concrete	10800
Asphalt	1000
Grass	1593
Patio Deck	1000
Driveway	1555
Roofs	15596

Weighted $Q_0 = 0.4028$

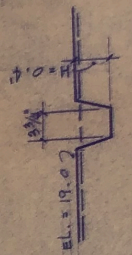
Min. $Q_0 = 0.356 \times 0.4739 \times (1) = 1.0905$ cfs

Min. Q_0	0.356
Max. Q_0	1.0905
Yield	1.4452
30'	1.236

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 Max. $Q_0 = 1.0905$
 Yield = 1.4452
 30' = 1.236

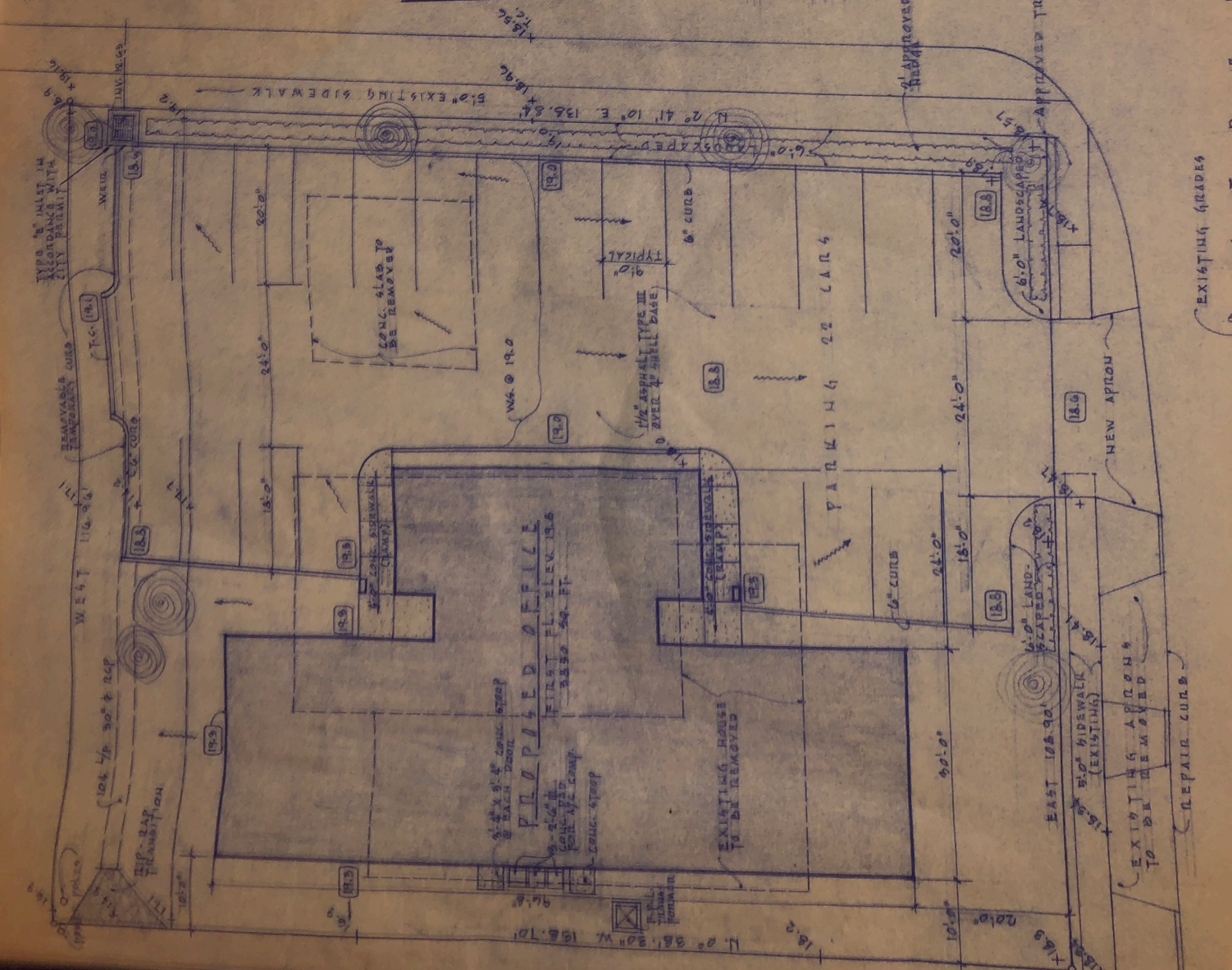
REVISION:
 Enclosing the existing ditch in the approved culvert pipe, as shown, providing an appropriate access to the drainage from the subject site. An approximate access run of 300 cu. ft. in the first 30' of the ditch shall be situated on the rear portion of the parking lot. This area constitutes about 1/3 of the site; therefore a Cipolletti weir shall be constructed as a throat into the catch basin, to regulate the flow to 1/3 of that of $Q_0 = 2.273$, $H = 0.4'$, $L = 6.38'$, $P = 3.304'$.
 Respectfully submitted,
 Carl M. APTZ, P.E.
 P.E. Cert. No. 7100

- ALLOWANCES**
- LANDSCAPING 1500
 - HARDWARE 600
 - TAP FEES 1700
 - BATH ACCESSORIES 250
 - GRAPHICS 250
 - BRICK -1784.



CIPOLLETTI WEIR
 IN SIDE OF INLET

TAMPA TRAIL (U.S. 41)
 100' RIGHT OF WAY



EXISTING GRADES

NEW APRON

EXISTING SIDEWALK TO BE REMOVED

REPAIR CURBS

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