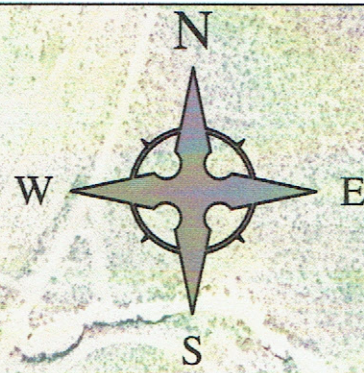


Wooten Engineering

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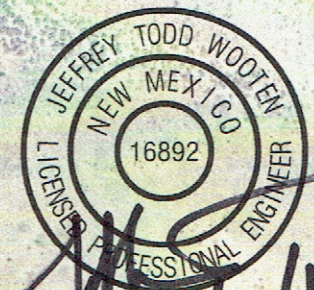
200' 100' 0 200'
SCALE: 1"=200'

Drainage Basin Map

THE Report = Paradise RV Park Report
by The Hensley Engineering
Group dated 9/8/2015
WEIS = Inlet Study for 98th St Plaza
by Wooten Engineering dated
2/13/2015.

DRAINS TO FLYING J SITE
& SWALE ALONG 98TH

$Q_{in}=2.90\text{cfs}$ per WEIS



FLYING J DRAINAGE
COLLECTED ONSITE

BASIN 106
 $Q_{100}=105\text{cfs}$
AP1 (THE Report)

BASIN 105
EXISTING POND
 $Q_{100}\text{ out} = 10\text{cfs}$
per THE Report

Ex 36" RCP (10cfs)

$Q_{100}=107.90\text{cfs}$

$Q_{in}=10.0\text{cfs}$ per WEIS

$Q_{100}=117.90\text{cfs}$

$Q_{in}=8.0\text{cfs}$ per WEIS

$Q_{100}=125.90\text{cfs}$

$Q_{in}=5.7\text{cfs}$ per WEIS

$Q_{100}=131.60\text{cfs}$

$Q_{100}=144.59\text{cfs}$

$Q_{in}=5.7\text{cfs}$ per WEIS

$Q_{100}=150.29\text{cfs}$

BASIN 107
 $Q_{in}=12.99\text{cfs}$
24" SD

Ex 84" RCP

FUTURE
INLET 'E'

$Q_{100}=205.30\text{cfs}$
173cfs per THE Report
plus 32.3cfs (added 98th St Flows)

EX POND

FUTURE SD TO POND

FUTURE SD TO POND

FUTURE SD TO POND