

- Central Ave. - W. bound 1.3%
- Floodplain w/in curb/R.O.W.
- Existing Inlets 3 double C's w/ 2 Single A's
- Capacity of Street

$$d = \text{top of curb} = .67' \Rightarrow Q = 36 \text{ cfs}$$

$$d = R/W = 0.87' \Rightarrow Q = 85 \text{ cfs}$$

- Using 0.87' depth
- 1 - Single 'A' = 15 cfs = 1 single 'D'
- 1 - Double 'C' = 17 cfs

$\therefore$ 5-inlet Capacity, EXIST. = 81 cfs

Note: Replace Existing Double 'C' $\rightarrow$ with Double 'D'

1:1 ratio 15 cfs : 15 cfs less curb opening

Add Single 'D', Cap. 15 cfs $\rightarrow$ 1 - Curb opening

$$\therefore \text{TOTAL} = 81 \text{ cfs} + 15 = \underline{96 \text{ cfs}}$$

- Lot Cales, See Plan

The former restaurant site free discharged run off
To Central $Q_{100} \sim 3.45 \text{ cfs}$

The proposed site retains a portion in depressed
landscaping, discharging $Q_{100} \sim 2.49 \text{ cfs}$ freely
out the single driveway on Central.

$\rightarrow$ per meeting w/ Charne & Biagar, 4/5/12

- Regarding debris concern: Since on A &

1 - double 'C' EXIST. immediately (in series)

upstream, clogging of the modified/Expanded

Double 'C' $\rightarrow$ QUAD 'D' should be Alleviated

PWC