Attached is a preliminary drawing showing my proposed alignment for the new TD3 water line. My design concept is to run the new 12 inch line on the opposite side of the road from the existing waterline around 4 to 6 foot **(SEE QUESTION 1)** off of the existing curb line accept in areas where it is too close to existing storm or sanitary sewer lines. A 12” x 8” cross and 2 - 8” gate valves would be located at each cross street in a location suited for future alignment of the waterline on the cross street and then one ties made to the old waterlines. See the example on sheet C-4 of the attached plans. My theory is to limit the number of 12” gate valves by putting one in at every other block. This would probably only work if the work was done in two block increments.

Deign Questions

1. Which is best, run one saw cut line and remove pavement all the way to curb or move farther out and have 2 saw cuts and not have to pave back to the curb.
2. Would it make any difference in construction if the new 12” line was constructed with a 3.5 foot bury to more closely line up center lines of existing pipes.