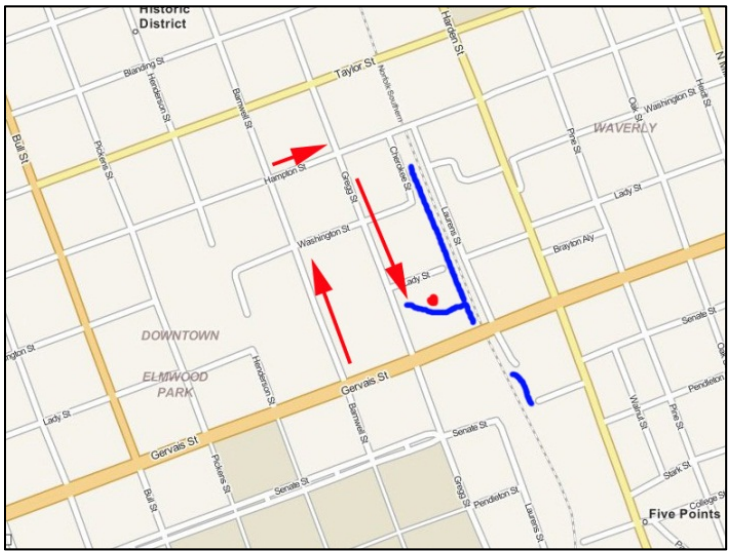
Watershed Management & Urban Hydrology

RBW tour for Dr. David Whiteman's Political Science Course
Allan James
This itinerary available on the Water as a Resource, Geog 347, website: http://people.cas.sc.edu/ajames/347
Go to Course Announcements

2:20 - Arrive at Sumter and Wheat Streets to secure a seat on the bus.

2:30-2:55 – Depart for upper watershed. Drive north on Barnwell St. from Gervais St. for overview of parking lot complex to left. (Partial stop; stay on bus.) Drive on north, take right on Hampton St., right on Gregg St., left into the parking lot beyond the New Ebenezer Baptist Church, and park beyond trees. Disembark; walk to footbridge. (Please do not disturb the USGS gauge.) Briefing on stream-flow (discharge) measurement and urban hydrology.



2:55-3:15 – Drive to Community Center on Greene St. in Martin Luther King Park. Disembark and walk through back parking lot on north side of the center out to footbridge. Discuss sediment as non-point source pollution. After briefing, walk downstream to storm-water detention structure in the southeast corner of the park. Discussion: Five Points flooding issues, community perception of Assembly St development as cause of flooding vs. urban runoff. [Bus driver: go around park to Santee Ave. near Lee St to pick us up.]

3:15-3:40 – Drive through Five Points. Discussion en route: Five Points flood hazards, urban riverscapes, rivers underground, streams as liability vs. assets. Go west on Blossom St., left on Pickens St., cross RBC, and turn left on Park Cr. (first road). Go to back of parking lot and left to near footbridge. Disembark; walk to footbridge; please do not disturb the USGS streamflow gauge. Discussion: floods and water quality below Five Points.

3:40-3:50 – Drive to Sumter and Catawba; slow bus (stay on bus). Discussion: flooding on USC campus. Drive past railroad culvert below Main St. and Whaley St. Discussion: importance of hydraulic barriers to flooding in lower RBC.

3:50-4:00 – Drive south on Assembly St., turn right on Dreyfus; brief stop at entrance to Capital City Stadium (stay on bus). Discussion (Ryan): City contract and development. TIFs.

4:00-4:10 – Continue west on Dreyfus, turn left on Bluff Rd, and go very slowly where, at right, RBC passes under railroad embankment through culvert (very brief stop on road if traffic allows; stay on bus). Discussion: importance of hydraulic barriers and parking lots to flooding in lower RBC.

4:10-4:25 – Continue on veering right on Florida St, turn right on Olympia Ave, right on Heyward St, right on Silver St. and stop at Olympia Park. Disembark. Discussion: Olympia community, water quality in lower RBC, influence on flooding of culvert upstream and bridge downstream.