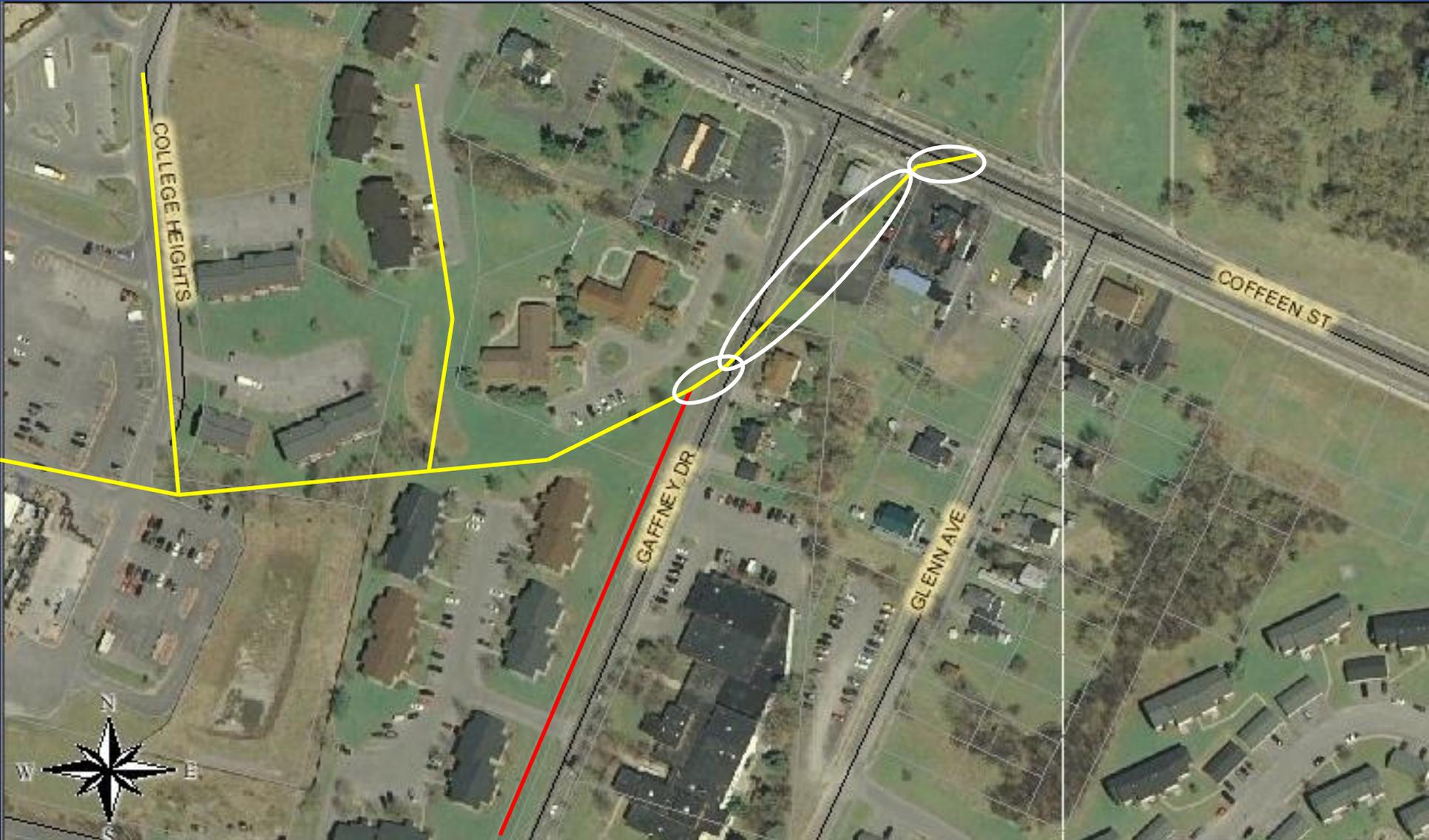


Sanitary Sewer Upgrade Gaffney Drive-Western Blvd.

Engineering Department

11 January, 2010

Gaffney Drive Phase I

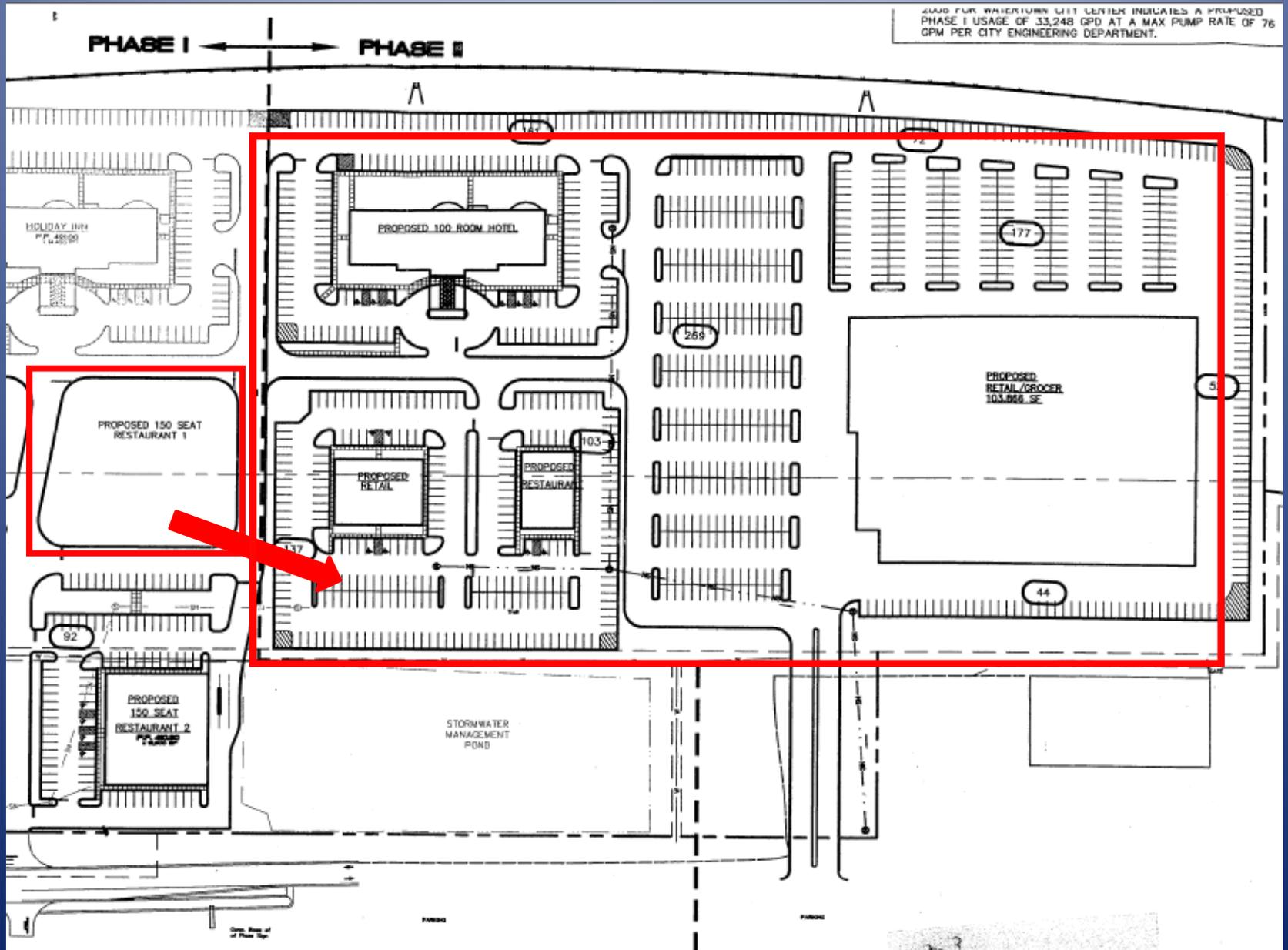


Phase I

Gaffney Drive Gravity Sewer North of Force Main

- Existing: (All at substandard slope)
 - 45' section of 10"
 - 305' section of 10"
 - 93' section of 10"
- Course of Action:
 - Upgrade all lengths to 12" at .23%
- Need to do:
 - Submit to NYSDEC for approval
 - Determine if all or portions of work will be done through contract or in-house.
 - Prepare bids for contracted work
- Estimated Cost: \$400,000 (fully contracted)

Vision Development Phase II



Vision Dev. Phase II

- Estimated flows at build-out 35,943 GPD average daily flow
- Total flow estimated flow is 41,193 GPD w/ Ph I residual included
- Developer required to cross private property to access the City sewer on Gaffney Drive.
- Need to connect “Point A to Point B”

Gaffney Drive Phase II



Gaffney Drive Phase II

Private Sewer Acquisition and Maintenance

- Course of Action:
 - Acquisition of existing 8” sanitary sewer
 - Obtain Easement to Property Line (Approx .509 Acres)
 - Allow Vision Development to connect at western manhole
- Need to do:
 - Obtain Easement and acquire sanitary sewer by negotiation or eminent domain
 - Meet with property owners for negotiation and appraise property as required
 - Perform any required maintenance after acquisition
- Estimated Cost: \$90,000 (Easement and Maintenance)

Phase III

Replace/Upgrade Pump Station

- Existing:
 - Preliminary Testing: 450 GPM
 - 38,570 GPD average daily
- Final build-out of both developments plus existing:
 - Estimated Flow: 114,000 GPD average daily
- Course of Action:
 - Upgrade/Replace existing pumps and install a stand-by generator for emergency power
- Need to do:
 - Finalize required equipment and specifications
 - Determine if current wet well is replaced or retained
 - Submit plans to DEC for approval
 - Prepare bids for contracted work
- Estimated Cost: \$225,000

Gaffney Drive Sewer Phases I through III Updated Timeline

- Continue to gather data into the Fall (Sep/Oct)
 - Complete
- Design of upgrades and regulatory approvals (Nov/Dec)
 - Phase I complete, preparing to submit to DEC
 - Phase II acquisition mapping being finalized
 - Phase III design and specs 75% complete
- Reconstruction work can be triggered by approved site plans
 - Phase I to be constructed in spring 2010
 - Phase II can be acquired concurrent with the Site Plan process
 - Phase III will be triggered as full build-out occurs and additional flows come on-line