Preliminary Responsibilities

- A Project Engineer assigns a construction project to a Construction Inspector.
- The Project Engineer provides a set of approved construction drawings to review and become familiar with.
- Preconstruction meeting is held with the contractor to answer questions and to discuss any specific issues, problems or changes.
- Set the start date for the project.
• Get familiar with the layout of the project.
• Review materials to make certain they meet the approved products list.
• Verify equipment is onsite to adequately complete the work.
Construction Inspectors take photographs of existing damage prior to construction start-up.

Note: Arrow denotes cracks in brick.
## Construction Responsibilities

<table>
<thead>
<tr>
<th>Water</th>
<th>Sewer</th>
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<tbody>
<tr>
<td>Verify Hydrants Set Plumb</td>
<td>Manhole Elevations</td>
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<tr>
<td>Thrust Blocks</td>
<td>Alignment of Sewer Line</td>
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<td>Verify meter boxes are at the edge of the right-of-way</td>
<td>Adequate Bedding</td>
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<td>Review and Verify Trenching</td>
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<td></td>
<td>Verify construction stays within prescribed easements</td>
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<tr>
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<td>Take field notes on certain details of construction</td>
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Things We Inspect In The Field

- Manhole Installation
- Core into existing manhole
- Boring under a railroad
In The Field Decisions & Responsibilities

- Make certain the work is conducted as specified in the plans and meets the ACSA Construction Specifications.
- Work with the contractor regarding problems in the field (i.e., conflicts with other utilities, grades, rock).
- Incorporate changes that were not a part of the original plans.
- Utilize GPS equipment to locate all fittings, bends, valves, meters, manholes, and hydrants.
- Testing of water lines (i.e., water chlorination, hydrostatic pressure and samples for bacteriological test). Vacuum testing of sewer manholes, and air test of sewer mains.
Includes final inspection, review and approval of as-built plans, and verification punch list items are complete.

Turn the project back over to the Project Engineer to complete necessary Dedication paperwork.

Within one year of acceptance, re-inspect the jobsite prior to the warranty expiration.
In addition to responsibilities discussed for Developer Projects, since the ACSA funds the Capital Improvement Projects, Inspector responsibilities are expanded to include:

- Assigned to project full-time (depending on size and scope of project);
- Communications with Property /Business Owners affected by the project;
- Maintain inventory of materials being installed and on-site;
- Verification of Pay Requests;
- Locating and/or marking existing ACSA utilities;
- More hands-on involvement (i.e., assuring property is restored to original or improved condition, assuring planned water shutdowns are completed satisfactorily).
Red Hill Pump Station - Beginning to End
Unexpected Things Found in the Field