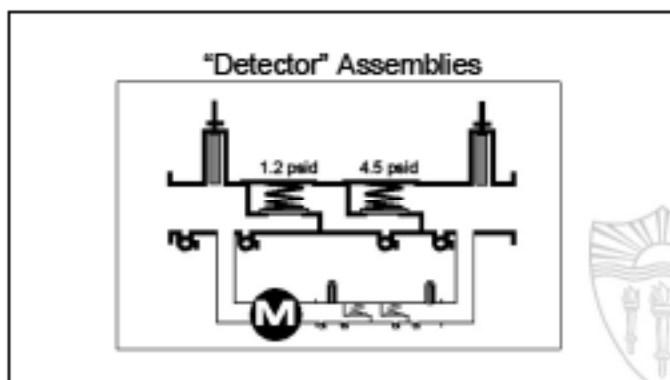
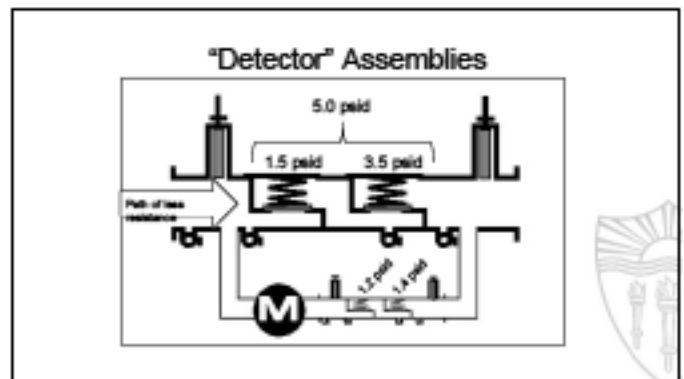
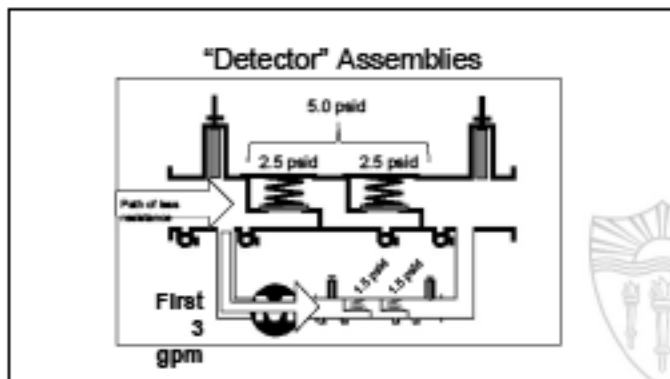


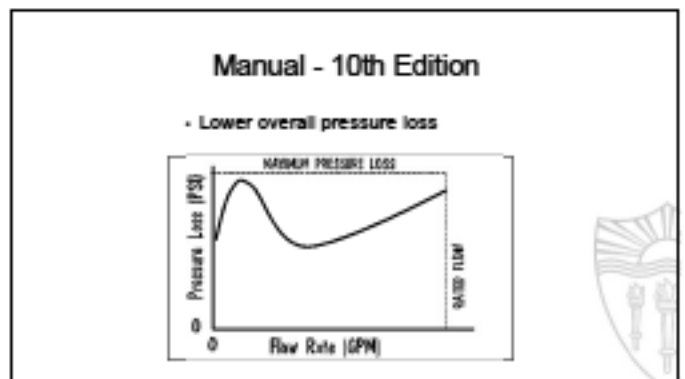
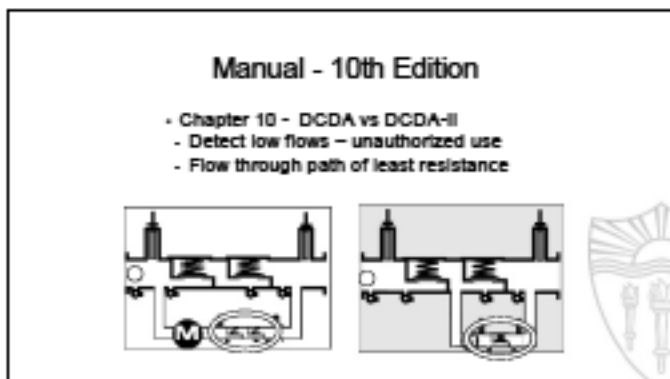
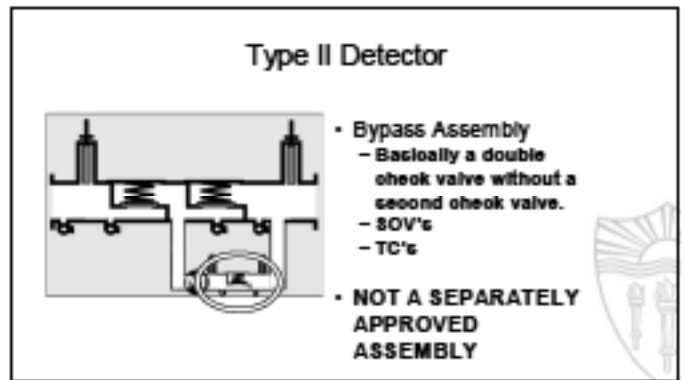
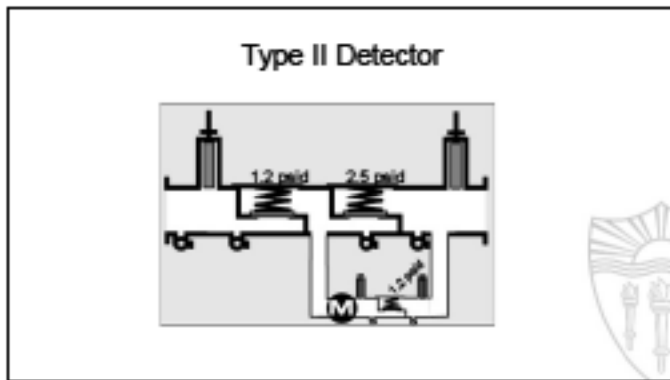
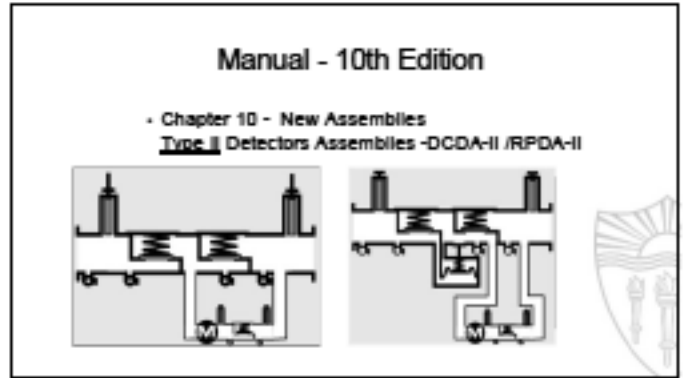
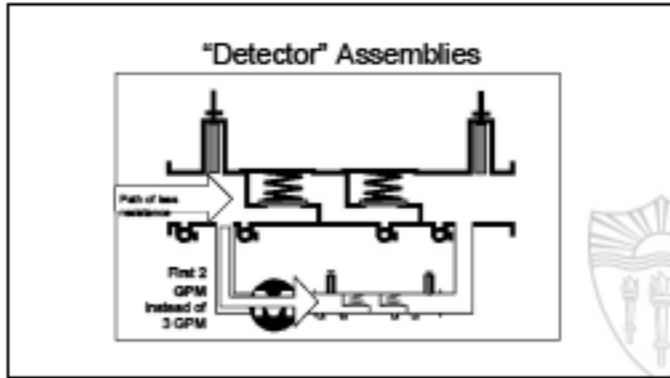
Type II Detector Assemblies
Henry W. Chang, USC FCCCHR



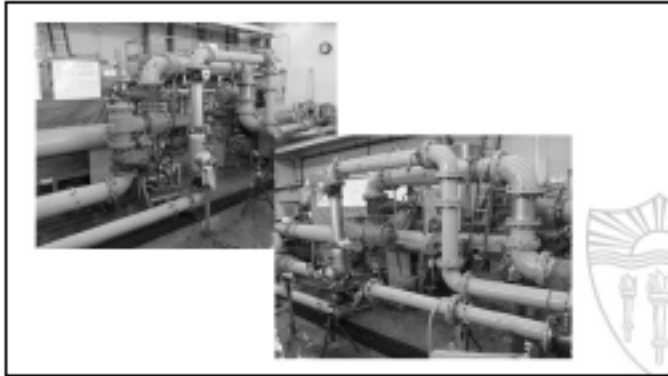
- DCDA – Main Line Assembly
- Sometimes "standard" DC springs
 - Sometimes two "stronger" springs
 - Sometimes one "stronger" spring
 - 1st Check Valve, or
 - 2nd Check Valve

- USC Manual – 10th Edition MRC
- Chapter 10 – DCDA / RPDA
 - BPMA requested lowering of bypass flow
 - 3 gpm to 2 gpm
 - BPMA requested new concept
 - Bypass only one mainline check valve
 - Goal? → Lower overall pressure loss

- USC Manual – 10th Edition Standard
- Chapter 10 – DCDA / RPDA
 - Reduced bypass flow from 3 gpm to 2 gpm
 - New DCDA-II and RPDA-II
 - Only bypasses one mainline check valve





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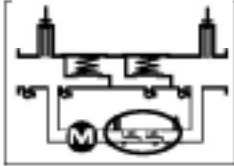
Field Testing

- Which order?
- Bypass then Mainline?
- Mainline then Bypass?

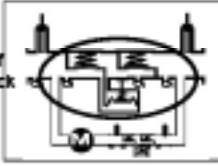
Field Testing

- DCDA / DCDA-II
- First: Bypass
- Isolates bypass assembly from mainline assembly, won't effect mainline readings
- Second: Mainline



Field Testing




- RPDA / RPDA-II
- First: Mainline
- Field test operation of mainline RV and check valves first
- primary protection
- Second: Bypass



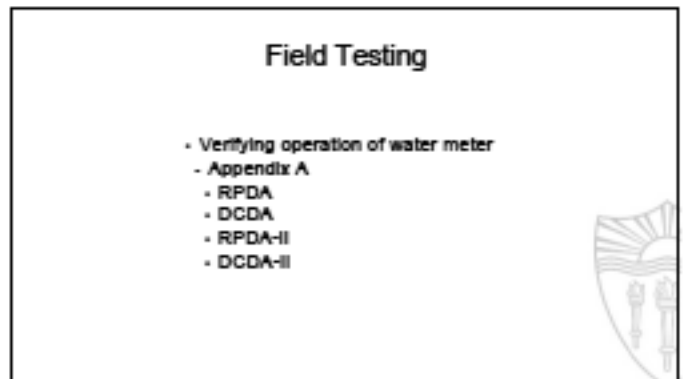
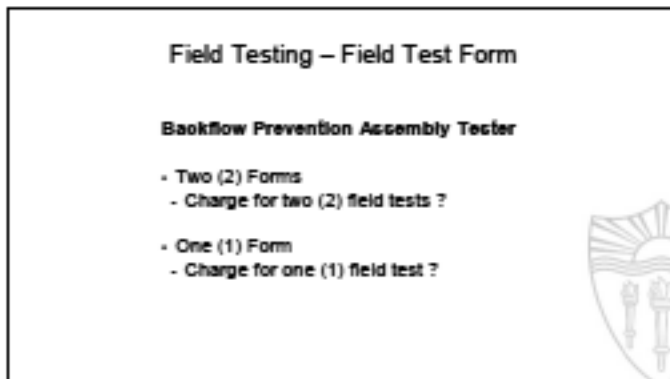
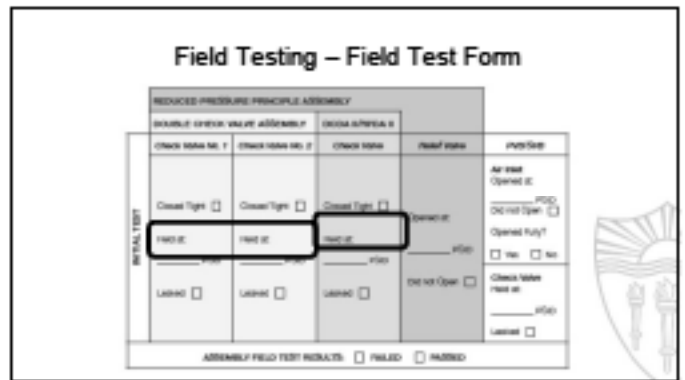
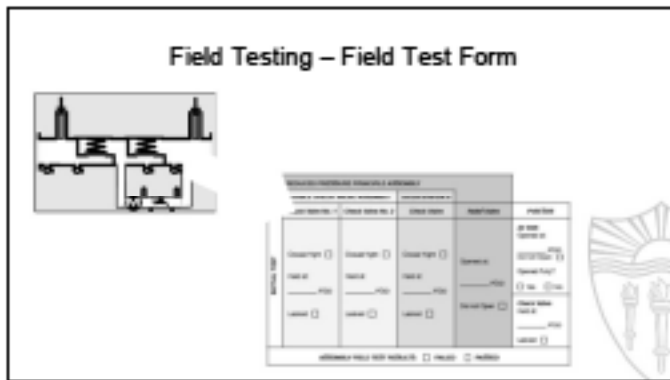
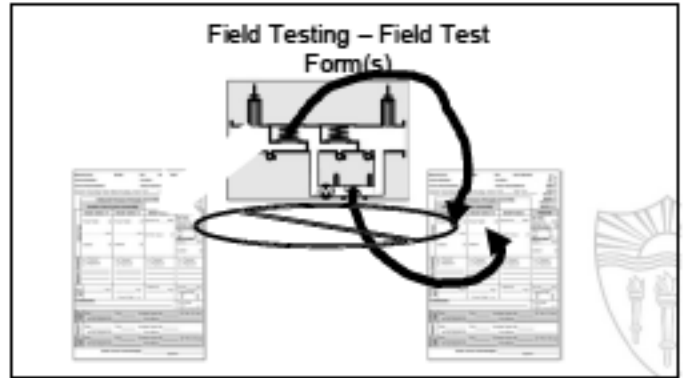
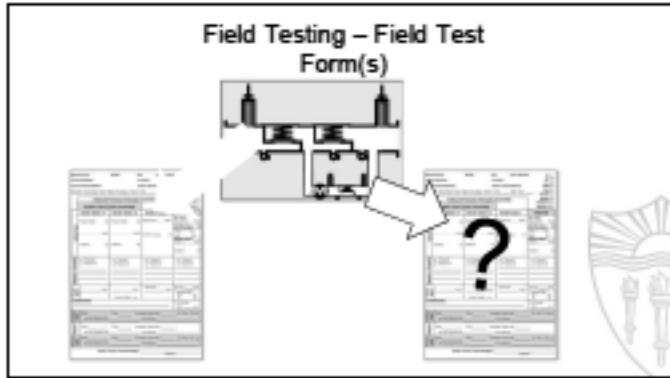
Field Testing – Field Test Form

- DCDA-II / RPDA-II
- How are these assemblies reported?
- Two forms?
- Modify existing forms?
- Add new "box" for bypass check valve

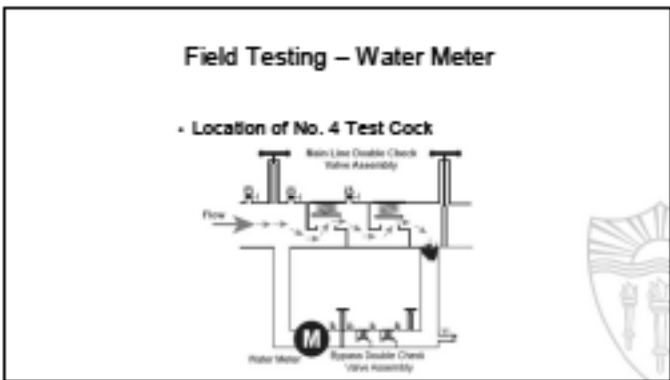
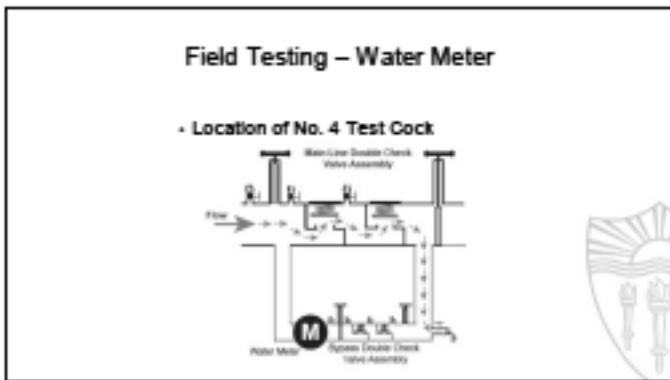
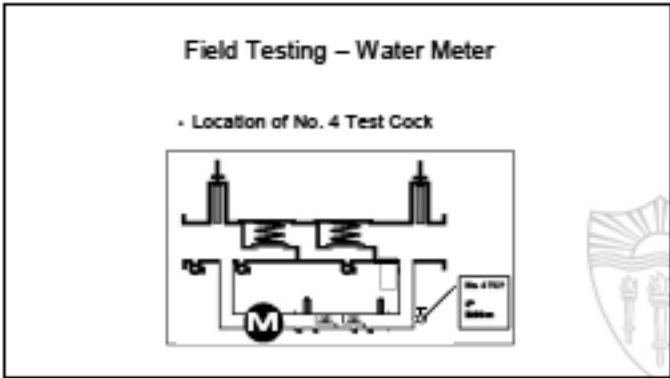
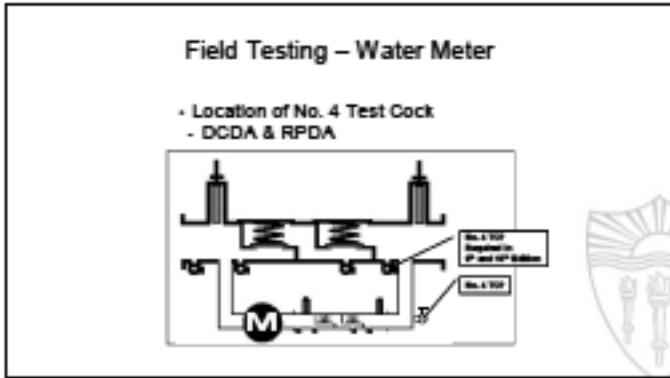
Field Testing – Field Test Form(s)

Type II Detector Assemblies
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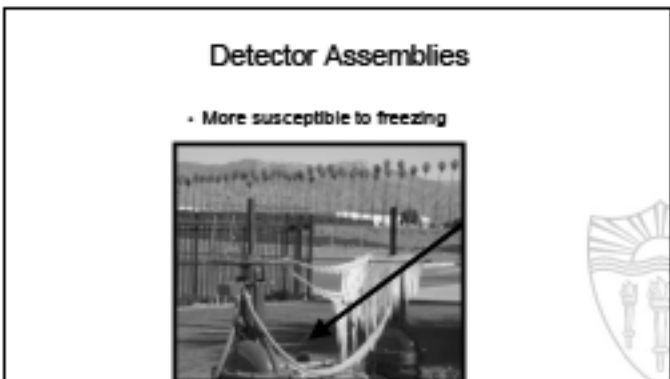


Type II Detector Assemblies
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Detector Assemblies


- Do you record bypass water meter readings?
- If not, don't recommend their use
 - Added expense
 - Water meter may not function after long periods of inactivity
 - More susceptible to freezing



Type II Detector Assemblies
Henry W. Chang, USC FCCCHR

List of Approved Backflow Prevention Assemblies

The List of Approved Backflow Prevention Assemblies continues to be available online at www.uscfccchr.usc.edu for a complete listing of information for anyone located in those categories. Notice: Starting up to date with the most current list is crucial. The list will be also posted in downloading format from the old members website since it is updated as changes are made to the list.



Download list

- PDF (Complete List)
- PDF (Download)
- PDF (New Members Only)

Added Benefit for USC Foundation Members


The list is updated twice a year in a year beginning in January. The list address may be submitted.

But, as an order foundation member, you will receive that notification early into the list is updated.

A company, which is USC Foundation member, may enter the benefit to one of its employees.

If you are interested in learning a more information, please contact us.

Notices




USC Field Evaluation

- **Need field test sites:**
 - Mostly 4", 6", 8", 10", and 12" assemblies
 - Flowing
 - Accessible normal business hours
 - Non-hazardous location

Contact Information

- Email – fccchr@usc.edu
- Toll Free – 888.545.6340
- Web – fccchr.usc.edu

Social Media

- [@uscfccchr](https://twitter.com/uscfccchr)
- facebook.com/uscfccchr
- youtube.com/uscfccchr