

Building Stormwater Management into Local Ordinances

Training Workshop, Thursday, October 25, 2007

Middletown Town Hall, Middletown, RI

Sponsored by: Aquidneck Island Planning Commission

Presenter/Facilitator: Lorraine Joubert, URI Cooperative Extension

Breakout Discussion Topics:

- 1) Compare LID with current practices:
 - a. What practices have been adopted?
 - b. What are the obvious inconsistencies?
- 2) What are the issues and barriers to the use of LID?
- 3) What type of LID practices are most needed?

What are the next steps to adopting these priorities?

Notes from discussions:

Newport Table:

1-Current practices vs. LID

Existing:

- CSO
- Stormwater lines
- Holding tanks
- Direct flow
- Curbs
- Detention basins
- Plan review (volume)
- Direct discharge
- NPDES (Phase 2)
- Illicit discharge
- Erosion/sediment control plans

LID:

- Diffusion vs. concentration
- Retention on-site
- Quality of H₂O
- Increase green space
- Enhance H₂O quality @ beach and harbor

2-Issues/barriers to use LID

- Type of soil (poor)
- Need for education
- Ordinances (lack of mandate)
- New concept
- Complexity for gov't
- Dense urban environment requires "retrofit"
- Technical knowledge
- Different standards w/in city (neighborhood)
- Misunderstanding of the true costs

3-Which LID most needed

- Impervious surface standard
- Oversight and inspection
- More greenery
- Monitoring and regulation
- Allow alternative parking surfaces

Middletown Table:

1-Current Practices

- Stormwater ordinances and sediment control
- Consistent with Phase II
- Commercial design standards – max vs.min limits
- Working on 'mixed-use standards'
- Atlantic Beach – Have grant from DEM to develop Best Management Practices

2-Issues/Barriers

- Current Zoning
- Revising conservation requirements will trigger zoning changes
- Promote clustering
- Permit smaller roads
- Encourage/permit more open space

3-LID most needed

- Reduce number and size of cul-de-sacs
- Fit cul-de-sacs with engineered swales
- Permit/encourage smaller roads in residential areas
- When redeveloping shopping centers require use of LID features

4-Next steps

- Revise Comprehensive Community Plan
- Revise Subdivision and Zoning Regulations