

**CTDOT MS4 Project Design
Maximum Extent Practicable (MEP) Worksheet**

| | | |
|---|-------------------|--|
| Section 1: Project Information | Project #: | |
| | Title: | |
| | Location: | |

Section 2: Existing Conditions

| | | | | | |
|--|--|---|--|-------------------------------|--------------------------------|
| EC1 | Total Project Area | | acres | | |
| EC2 | Pre-construction Directly Connected Impervious Area (DCIA): | | acres | % | |
| EC3 | Soil Infiltration Potential | Data Source: <input type="checkbox"/> Existing Report / Soils Map <input type="checkbox"/> Field Verified | <input type="checkbox"/> Good/Fair | <input type="checkbox"/> Poor | <input type="checkbox"/> Mixed |
| EC4 | Depth to Maximum Groundwater | <input type="checkbox"/> TBD | to | ft below grade | |
| EC5 | Depth to Bedrock | <input type="checkbox"/> TBD | to | ft below grade | |
| EC6 | Aquifer Protection Area? (from PNDP) | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| EC7 | MS4 Priority Area? (from PNDP) | | <input type="checkbox"/> Yes (See Below) | <input type="checkbox"/> No | |
| <i>Check All That Apply</i> <input type="checkbox"/> Urbanized Area <input type="checkbox"/> DCIA >11% <input type="checkbox"/> Impaired Waterbody (See Below) | | | | | |
| <i>Select All Impairments That Apply</i> | | | | | |
| EC8 | Contamination known or suspected to be present? (From Environmental Compliance) | | <input type="checkbox"/> Yes | <input type="checkbox"/> No | |
| EC9 | Adjoining DOT ROW beyond project limits available for stormwater quality management | | acres | | |

Section 3: Designed Conditions

| Water Quality Calculations | | | 30% Design | 60% Design | 90% Design | FDP |
|----------------------------|---|---------------|------------------------------------|------------|------------|-------|
| DC1 | WQV retention design goal | Full 1/2"-WQV | ac-ft <input type="checkbox"/> TBD | ac-ft | ac-ft | ac-ft |
| DC2 | WQV goal retained (refer to page 2) | | ac-ft | ac-ft | ac-ft | ac-ft |
| DC3 | WQV goal treated (refer to page 2) | | ac-ft | ac-ft | ac-ft | ac-ft |
| DC4 | Total WQV <i>retained and treated</i> | | ac-ft | ac-ft | ac-ft | ac-ft |
| DC5 | Post-construction DCIA(acres) | | ac. <input type="checkbox"/> TBD | ac. | ac. | ac. |
| DC6 | Pre-construction DCIA (refer to EC2 above) | | ac. | ac. | ac. | ac. |
| DC7 | Change in DCIA from pre- to post-construction <i>Can be positive (DCIA gained) or negative (DCIA lost)</i> | | ac. <input type="checkbox"/> TBD | ac. | ac. | ac. |
| Date completed | | | | | | |
| Completed by (initials) | | | | | | |
| Reviewed by (initials) | | | | | | |

Notes:

Section 4: Stormwater BMP Selection Summary

| Design Phase <input type="checkbox"/> 30% <input type="checkbox"/> 60% <input type="checkbox"/> 90% <input type="checkbox"/> FDP | WQV Retained (ac-ft) | WQV Treated (ac-ft) | DCIA Captured (Acres) | DCIA Disconnection Credit (%) | DCIA Disconnection Credit (acres) | Site Constraints |
|--|-----------------------------|----------------------------|------------------------------|--------------------------------------|--|-------------------------|
| Disconnection (Dispersion) | | | | | | |
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| Conveyance (Swales / Channels) | | | | | | |
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| Infiltration / Retention | | | | | | |
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| Treatment | | | | | | |
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| | X | | | | | |
| | X | | | | | |
| | X | | | | | |
| TOTAL | | | | | | |

Notes:

Worksheet users should refer to the *CT DOT MS4 Project Design MEP Worksheet Instructions*. Refer to the 2004 CT Stormwater Quality Manual for more information on BMP criteria and limitations.