

Appendix E

Plan Review and Construction Check Lists

- Site Assessment and Inventory Check List

Tennessee Stormwater Management Program

Project Name: _____

Location: _____

File Number: _____ Date of Submittal: _____

Reviewer: _____ Review Date: _____

Project Meeting Chronology: _____

Type of Meeting: _____ Date: _____

Quick Check

- Vicinity Map within Watershed Context
- Soil Map
- Pre-existing and proposed Topographic and Management Map
- Special Management Area Map
- Site Assessment and Inventory Checklist
- Construction Plans
- Permanent Stormwater Management Plans
- Runoff Reduction Assessment (TNRRAT output)
- Operation and Maintenance Agreements

Stormwater Management Site Assessment and Inventory Checklist

for Project Concept Plan Review

Applicant: _____

Contact Name: _____

Phone Number: _____

E-mail: _____

S = Satisfactory • U = Unsatisfactory • NA = Not Applicable

Item	S	U	NA	Comments
A. General Project Information				
1 Site address and legal description				
2 Vicinity map				
3 Project narrative				
a Purpose/Intended Use				
b Impact of development on site hydrology and stormwater quality				
c Description of stormwater management targets				
d Rational for selection of permanent stormwater control measures				
4 Evidence of special management areas				
a Brownfield redevelopment				
b Karst				
c Pollution hotspots				
d Other:				
5 Incentives				
a Redevelopment				
b Brownfield redevelopment				
c High density (>7 units per acre)				
d Vertical density				
e Mixed use and transit-oriented				
6 Runoff Reduction Requirement Obtained				
7 Stormwater Control Measures Implemented				
a Smart Site Design Elements Implemented				
Preserving native topography and drainages				
Preserving trees and other native vegetation				
Minimizing soil disturbance				
Avoiding steep slope development				
Avoiding floodplain development				
Preserving riparian buffers				
Minimizing soil disturbance				
Reducing roadway lengths and widths				
Reducing limits of clearing				
Utilizing open space development				
Reducing total impervious cover				
Preserving sheet flow and vegetative filters				
Other:				

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Item	S	U	NA	Comments
b Structural Stormwater Control Measures				
Bioretention				
Dry Detention				
Extended Detention				
Filter Strips				
Vegetated Swales				
Green Roofs				
Managed Vegetated Areas				
Infiltration Practices				
Stormwater Treatment Wetlands				
Manufactured Treatment Devices				
Permeable Pavement				
Rainwater Harvesting and Reuse				
Other:				
B. Project Plans				
1 Existing and proposed topography (minimum 2-ft contours or local standards)				
2 Existing and proposed stormwater management systems				
a Catchments/Subbasins				
b Drainage areas and flowpaths				
c Stormwater management practices; specified type and surface area indicated on plan				
d Proposed drainage and maintenance access routes and easement locations				
e Streams and wet weather conveyances				
f Proposed channel modification locations				
3 Soil classifications and hydrologic information				
4 Existing land management/cover				
5 Limits of disturbance				
6 Resource protection areas (e.g. headwater streams, wetlands and lakes)				
7 Floodplain limits				
8 Development setbacks				
a Riparian buffers				
b Stormwater Control Measure buffers				
c Building setbacks				
d Property line setbacks				
e Well/septic system setbacks				
9 Existing and proposed roads, buildings and other structures (impervious surfaces)				
10 Existing and proposed utilities and utility easements				

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Item	S	U	NA	Comments
C. Design Computations				
1 Preliminary assessment for runoff reduction requirements				
a Special Management Areas				
b Resource Protection Additional Requirements				
c Incentive Programs				
2 Implementation of Smart Design Approach				
3 Selection of Appropriate SCMs				
4 Appropriate SCM sizing and design implementation				
5 Adequate use of pre-treatment				
6 Adequate inlet/outlet control design				
7 Adequate flow routing and SCM trains				
D. Permit Approval and Documentation				
1 Status of other applicable local, state and federal permits				
a Construction stormwater discharge permit				
b State/federal aquatic resource alteration permits				
c Dam safety permit				
d Floodplain construction permit				
e Other:				
E. Additional Smart Site Design Approaches Implemented				
1 Site Layout Techniques				
a Pre-development topography, soils, and vegetative cover identified				
b Minimized amount of grading				
c Steep slopes left undisturbed				
d Open space preservation				
e Additional riparian buffer width				
f Preservation of headwater streams and their floodplains				
g Minimized street length				
h Minimized street right-of-way				
i Stream channel crossings minimized				
j Cul-de-sac alternatives used				
k Grass swales and roadside verges used instead of curb and gutter				
l Minimized drive way lengths and/or shared drive ways				
m Grading to encourage sheet flow				
n Impervious surface disconnections				
o Other:				

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Item	S	U	NA	Comments
2 Site Layout Techniques for Redevelopment				
a Urban forestry/ tree preservation				
b Green roofs				
c Setbacks and/or height restrictions reduced for efficient use of space				
d Multimodal transit considerations (pedestrian and bicycle assess and facilities)				
e Connection with existing pedestrian/bicycle infrastructure (e.g. bike lanes, greenways, etc.)				
f Wildlife cooridor connections				
g Other:				