

PROJECT SHEET CONSTRAINED SITE STANDARD

Complete one Project Sheet for each project that is Constrained and includes Stormwater Quality BMPs.

CONSTRAINED REDEVELOPMENT SITES

Constrained Redevelopment Sites are sites where the existing condition is >35% imperviousness and the proposed redevelopment will result in >75% imperviousness. If the proposed redevelopment will result in >75% imperviousness, but the existing condition is <35% imperviousness, the Constrained Site Standard cannot be used and Base Design Standards must be followed. **The Constrained Site Standard can only be used if it is determined that it is not practicable to meet any of the Base Design Standards.** It is incumbent on the design engineer to demonstrate adherence to Base Design Standards has been thoroughly evaluated and found to be infeasible before a Constrained Site Standard is proposed.

SITE INFORMATION

Project Name:		
Project Location:		
Submitted Date:		Submitted By:
Acreage Disturbed:		
Existing Impervious:		New Net Impervious:
Review Date:		Reviewed By:
✓ Preparer	✓ COG	Requirements
		Design Details are included for all BMPs
		List or include a description of any Source Control BMPs (refer to Table 1) or other non-structural BMPs:
		Does project overlap multiple MS4 Jurisdictions? Yes No
		If project overlaps jurisdictions, provide written agreement designating responsibility for BMP requirements, review, inspections

DESIGN STANDARDS

Design Standards may be used in combination, as necessary, to meet the requirements. Additional design methods may be considered if they comply with the MS4 Permit. Evaluation of suitability of Stormwater Quality Control Measures (BMPs) is based on pollutant removal, flood attenuation and long-term maintenance. BMPs must be designed in accordance with the most current version of [USDCM vol. 3, Chapter 4 "Treatment BMPs"](#) and meet the specific requirements for each Design Standard used.

1. Indicate below, which Design Standards will be used for the project, and
2. Complete a separate, corresponding Design Standards checklist for each BMP (e.g., WQCV, etc.)

Design Standard	# BMPs	Location/Identifying information
WQCV		
Pollutant Removal		
Runoff Reduction		

CHECKLIST Constrained WQCV Standard

APPLICABILITY

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The minimum treatment levels are included below and treatment should be maximized to the extent feasible under constrained site conditions.

CONSTRAINED WQCV STANDARD Criteria

Control measure(s) must be designed to provide, at a minimum, treatment and/or infiltration of the WQCV for 50% of the site.

Complete checklist if using the Constrained WQCV Standard to meet Design Standard requirements.

Project Name:		
Preparer	COG	Requirements
		Control measure(s) provide treatment and/or infiltration of the WQCV for 50% of the site
		% of site treated:
		BMP type:
		BMP ID/location:
		See Drainage Report section:
		Provide an evaluation of the infeasibility of Base Design Standards and justification for use of Constrained Site Standard:

CHECKLIST Constrained Pollutant Removal Standard

APPLICABILITY

Constrained Redevelopment Sites are sites where the existing condition is >35% imperviousness and the proposed redevelopment will result in >75% imperviousness. If the proposed redevelopment will result in >75% imperviousness, but the existing condition is <35% imperviousness, the Constrained Site Standard cannot be used and Base Design Standards must be followed. **The Constrained Site Standard can only be used if it is determined that it is not practicable to meet any of the Base Design Standards.** It is incumbent on the design engineer to demonstrate adherence to Base Design Standards has been thoroughly evaluated and found to be infeasible before a Constrained Site Standard is proposed.

The minimum treatment levels are included below and treatment should be maximized to the extent feasible under constrained site conditions.

CONSTRAINED POLLUTANT REMOVAL STANDARD Criteria

Control measure(s) must be designed to provide treatment of the 80th percentile storm event. The control measure(s) shall be designed to treat stormwater runoff in a manner expected to reduce the even mean concentration of total suspended solids (TSS), at a minimum, to a median value of 30mg/L or less for 50% of the site. Substantiating data must meet criteria in USDCM vol.3, T-11 and be included in the submittal.

Complete checklist if using the Constrained Pollutant Removal Standard to meet Design Standard requirements.

Project Name:		
Preparer	COG	Requirements
		Control measure(s) provide treatment of the 80th percentile storm event. The control measure(s) shall be designed to treat stormwater runoff in a manner expected to reduce the even mean concentration of total suspended solids (TSS) to a median value of 30mg/L or less for 100% of the site.
		BMP type: BMP ID/location:
		Storm event:
		TSS mg/L reduction:
		% of site treated:
		See Drainage Report section:
		Provide an evaluation of the infeasibility of Base Design Standards and justification for use of Constrained Site Standard:

CHECKLIST Constrained Runoff Reduction Standard

APPLICABILITY

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The minimum treatment levels are included below and treatment should be maximized to the extent feasible under constrained site conditions.

CONSTRAINED RUNOFF REDUCTION STANDARD Criteria

Control measure(s) must be designed to infiltrate, evaporate or evapotranspire, at a minimum, a quantity of water equal to 30% of what the calculated WQCV would be if all impervious area discharged without infiltration. This Standard can be met through practices such as Green Infrastructure and Low Impact Development practices.

Complete checklist if using the Constrained Runoff Reduction Standard to meet Design Standard requirements.

Project Name:		
Preparer	COG	Requirements
		Control measure infiltrates, evaporates or evapotranspires at least 30% of WQCV
		% treated through runoff reduction:
		BMP type:
		BMP ID/location:
		See Drainage Report section:
		Provide an evaluation of the infeasibility of Base Design Standards and justification for use of Constrained Site Standard: