



DESIGN REVIEW CHECKLIST



Instructions:

- In accordance with DOTA’s Construction Site Runoff Control Program, the Designer or Authorized Representative shall submit this Design Review Checklist with each design submittal phase.
- Please ensure to attach all pertinent documents associated with the Construction BMPs as well as Permanent / Post-Construction BMPs.
- AIR-EE will provide comments on the project submittals using a Review Comments spreadsheet. All review comments from AIR-EE have to be addressed to their satisfaction and closed prior to obtaining an approval from AIR-EE. AIR-EE approval is required to start construction activities.

Checklist:

Project Name: _____ Date: _____

State Project # (if applicable): _____ Airport: _____

Designer Name: _____ Firm: _____

Email: _____ Phone: _____

Contractor Name (if known): _____ Firm: _____

Email: _____ Phone: _____

Site Location: _____

Project Description: _____

Does the project have additional phases planned? _____

Project Size: _____ acres

Total Land Disturbance Size (clearing, grubbing, grading, excavation and construction support activities including separate staging, equipment storage, and stockpile areas (as defined in HAR-11-55, App C)):

_____ acres

Design Submittal (check one):

- 60% Submittal 90% Submittal 100% Submittal Other

DOCUMENTS SUBMITTED (CHECK ALL SUBMITTED)

- | | |
|--|---|
| <input type="checkbox"/> Project Plan and Specifications | <input type="checkbox"/> NPDES NOI Form G (Dewatering) |
| <input type="checkbox"/> Project Schedule | <input type="checkbox"/> DOTA Construction Discharge Permit |
| <input type="checkbox"/> BMP Plan | <input type="checkbox"/> PBMP Plans/Product Sheets |
| <input type="checkbox"/> SWPPP | <input type="checkbox"/> PBMP O&M Cost Analysis |
| <input type="checkbox"/> NPDES NOI Form C (Construction) | <input type="checkbox"/> PBMP O&M Plan |
| <input type="checkbox"/> NPDES NOI Form F (Hydrotesting) | <input type="checkbox"/> PBMP O&M Agreement |



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CONSTRUCTION ACTIVITY BMPs

DESIGNER'S CONSTRUCTION REQUIREMENTS	YES	NO	N/A
1. Have construction documents and SWPPP been prepared to meet the requirements of HAR 11-55, App C, DOTA's Construction Activities BMP Field Manual, and prevent violations of water quality standards?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. The following site features should be included on the plans:			
a. <u>Preliminary location, size in square feet, and limits of disturbance</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. <u>Location of storm drainage features (e.g. drains, ditches, ocean, etc.) and stormwater runoff flow paths</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. <u>Location of construction activity BMPs</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. <u>Locations of activities that may generate pollutants (e.g. staging area, stockpiles, concrete washout, etc.)</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. <u>Location of other potential stormwater pollutants</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. Have the following permits been applied for (if required):			
a. <u>NPDES Application (Construction ≥ 1 acre)?</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b. <u>Other NPDES Application (Dewatering, Hydrotesting, etc.)?</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c. <u>Permit to Discharge into the State Airports Drainage System Relating to Construction Projects?</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d. <u>401 Water Quality Certification (WQC)?</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e. <u>404 Department of the Army (DA) Permit?</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f. <u>Coastal Zone Management (CZM) Permit?</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g. <u>Special Management Area (SMA) Permit?</u>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



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CONSTRUCTION ACTIVITY BMPs NARRATIVE (DESIGNERS)

Select all applicable BMPs proposed to be incorporated into the project from the DOTA's Construction Activities BMP Field Manual.

- | | |
|---|---|
| <input type="checkbox"/> C.1: Scheduling | <input type="checkbox"/> C.21: Vehicle and Equipment Refueling |
| <input type="checkbox"/> C.2: Preservation of Existing Vegetation | <input type="checkbox"/> C.22: Vehicle and Equipment Operation and Maintenance |
| <input type="checkbox"/> C.3: Location of Potential Sources of Sediment | <input type="checkbox"/> C.23: Concrete Curing Water and Compounds Management |
| <input type="checkbox"/> C.4: Earth Dike | <input type="checkbox"/> C.24: Hydrotesting Effluent Management |
| <input type="checkbox"/> C.5: Temporary Drains and Swales | <input type="checkbox"/> C.25: Water-Jet Wash and Hydro-Demolition Water Management |
| <input type="checkbox"/> C.6: Dust Control | <input type="checkbox"/> C.26: Material Delivery and Storage |
| <input type="checkbox"/> C.7: Topsoil Management | <input type="checkbox"/> C.27: Material Use |
| <input type="checkbox"/> C.8: Geotextiles and Mats | <input type="checkbox"/> C.28: Protection of Stockpiles |
| <input type="checkbox"/> C.9: Grass and Planting | <input type="checkbox"/> C.29: Solid Waste Management – Hazardous Waste |
| <input type="checkbox"/> C.10: Sand Bag Barrier | <input type="checkbox"/> C.30: Solid Waste Management – Debris |
| <input type="checkbox"/> C.11: Compost Filter Berm or Sock | <input type="checkbox"/> C.31: Contaminated Soil Management |
| <input type="checkbox"/> C.12: Storm Drain Inlet Protection | <input type="checkbox"/> C.32: Concrete Operation and Waste Management |
| <input type="checkbox"/> C.13: Sediment Trap | <input type="checkbox"/> C.33: Sanitary/Septic Waste Management |
| <input type="checkbox"/> C.14: Silt Fence | <input type="checkbox"/> C.34: Spill Prevention and Control |
| <input type="checkbox"/> C.15: Stabilized Construction Entrance | <input type="checkbox"/> C.35: Spill Response Practices |
| <input type="checkbox"/> C.16: Construction Road Stabilization | <input type="checkbox"/> C.36: Management of Materials Associated with Paint |
| <input type="checkbox"/> C.17: Dewatering Operations | |
| <input type="checkbox"/> C.18: Paving Operations and Waste Management | |
| <input type="checkbox"/> C.19: Structure Construction and Painting | |
| <input type="checkbox"/> C.20: Vehicle and Equipment Cleaning | |

Other:



DESIGN REVIEW CHECKLIST



PERMANENT/POST-CONSTRUCTION BMPs (PBMPs) (DESIGNERS)

EXEMPTIONS FROM POST-CONSTRUCTION REQUIREMENTS YES NO N/A

If any of the exemptions are answered in the affirmative, the designer may skip the remainder of the PBMP section. However, the Sustainable High-Performance Guidelines may apply.

- Project only consists of trenching and resurfacing associated with utility work.
- Project only consists of resurfacing or replacement of damaged pavement.
- Sites where runoff does not ultimately discharge to a receiving water.
- Project will return the area to pre-development conditions.
- Sites where PBMPs may be prohibited due to aircraft safety.
- Other (provide explanation for proposed exemption). *Note that all exemptions are contingent upon approval from DOTA.*

POST-CONSTRUCTION PERFORMANCE REQUIREMENTS YES NO N/A

1. Have Low Impact Development (LID) designs been considered first?
2. Have the minimum pollutants of concern been considered (i.e. HNL SWMPP, Section D, 3.1.1)?
3. Do the proposed PBMPs limit targeted pollutants to the Maximum Extent Practicable (MEP)?
4. Is the maintenance requirement for proposed PBMPs feasible to conduct?
5. Has the Retrofit Action Plan been reviewed to determine whether an identified retrofit may be appropriate at the site?

OTHER REQUIREMENTS YES NO N/A

1. Are additional BMPs needed for the project to meet performance standards?
 2. Will the project cause prohibited discharges of non-stormwater?
 3. Is a shared structural treatment PBMP proposed or appropriate?
 4. Was a cost analysis for operations and maintenance (O&M) for several PBMP design alternatives included in the project budget to aid in selecting the appropriate device?
 5. Are the PBMP Plans and product sheets submitted to AIR-EE for review?
 6. Is there a one-year warranty on the PBMP device, service, maintenance program, and training of DOTA personnel/maintenance personnel, where applicable? For tenant-leased spaces, the DOTA Property Management Division should be consulted in order to add information and tenant requirements for PBMP maintenance and lease agreement.
- (Provide O&M Agreement or equivalent.)



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7. Are PBMP maintenance requirements provided by development and submission of a site-specific PBMP O&M Plan or the use of the DOTA PBMP O&M Manual? Attach PBMP O&M Plan, if applicable.

PERMANENT POST-CONSTRUCTION BMP NARRATIVE

Describe LID designs included:

Select all applicable PBMPs proposed to be incorporated into the project design from the DOTA's Stormwater Permanent BMP Manual:

- | | |
|---|---|
| <input type="checkbox"/> PC1: Preservation of Existing Vegetation | <input type="checkbox"/> PC15: Green Roofs |
| <input type="checkbox"/> PC2: Grass and Planting | <input type="checkbox"/> PC16: Alternative Wetlands |
| <input type="checkbox"/> PC3: Mulching | <input type="checkbox"/> PC17: Green Parking |
| <input type="checkbox"/> PC4: Geotextiles, Mats, and Erosion Control Blankets | <input type="checkbox"/> PC18: Alternative Pavers |
| <input type="checkbox"/> PC5: Vegetated Buffer Strips and Channels | <input type="checkbox"/> PC19: Bioretention |
| <input type="checkbox"/> PC6: Earth Dikes, Drainage Swales, and Lined Ditches | <input type="checkbox"/> PC20: Sand Filters |
| <input type="checkbox"/> PC7: Slope Drains and Subsurface Drains | <input type="checkbox"/> PC21: Oil Water Separator |
| <input type="checkbox"/> PC8: Top and Toe of Slope Diversion Ditches/Berms | <input type="checkbox"/> PC22: Continuous Deflective Separation (CDS) |
| <input type="checkbox"/> PC9: Outlet Protection/Velocity Dissipation Devices | <input type="checkbox"/> PC23: Storm Drain Inlet Protection |
| <input type="checkbox"/> PC10: Flared Culvert End Sections | <input type="checkbox"/> PC24: Underground Detention Basin |
| <input type="checkbox"/> PC11: Slope Roughening / Terracing/Rounding | <input type="checkbox"/> PC25: Stormwater Re-use |
| <input type="checkbox"/> PC12: Level Spreader | <input type="checkbox"/> PC26: Fueling Area Design |
| <input type="checkbox"/> PC13: Infiltration Trench | <input type="checkbox"/> PC27: Maintenance Area Design |
| <input type="checkbox"/> PC14: Retention Basin | <input type="checkbox"/> PC28: Washing Area Design |
| | <input type="checkbox"/> PC29: Loading Area Design |
| | <input type="checkbox"/> PC30: Waste Management Area Design |
| | <input type="checkbox"/> PC31: Material Storage Area Design |

Other PBMPs:



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CERTIFICATION

Designer: I certify that the design is complete, accurate, and addresses the requirements of DOTA's Environmental Program to the best of my knowledge.

Print Name: _____

Signature: _____

Date: _____

Review:

DOTA PM Signature: _____

Date: _____

DOTA AIR-EE Signature: _____

Date: _____