































































































































BMP ID or ORD ID	Best Management Practice or Regulatory Approach	Cost	Potential Pollutant Reduction	City Personnel Impact	Bureaucratic Involvement	Year 1	Year 2	Year 3	Year 4	Year 5
BMP 1	Stamp Drainage Structures	 (City)   (Developer)	★ - ★★★ (varies by pollutant type)			<p>Design stamp to be placed on inlets and other drainage structures.</p> <p>Modify or create stormwater maintenance manhole cover as standard detail.</p> <p>Identify source(s) that can produce and supply stamps and manhole covers</p> <p>Identify funding needed for following two years to apply stamps to existing drainage structures</p>	<p>Apply stamps to existing inlets</p> <p>Require new developments submitting plans to include application of stamps to proposed drainage structures and use City standard stormwater maintenance manhole cover.</p>	<p>Apply stamps to remaining existing inlets</p> <p>Require new developments submitting plans to include application of stamps to proposed drainage structures and use City standard stormwater maintenance manhole cover.</p>	<p>Require new developments submitting plans to include application of stamps to proposed drainage structures and use City standard stormwater maintenance manhole cover.</p>	<p>Require new developments submitting plans to include application of stamps to proposed drainage structures and use City standard stormwater maintenance manhole cover.</p>
BMP 2	Protect Natural Conservation Areas	 (City)   (Developer)	★★	 	 	<p>Identify areas that qualify for conservation easement on undeveloped properties and funding needed to obtain</p> <p>Define requirements of maintenance agreements that will be required for future developments</p>	<p>Require long-term maintenance agreements to achieve final plat approval</p> <p>Require appropriate deed restrictions to protect natural conservation areas to achieve final plat approval</p> <p>Create conservation easements for previously identified areas</p>	<p>Require long-term maintenance agreements to achieve final plat approval</p> <p>Require appropriate deed restrictions to protect natural conservation areas to achieve final plat approval</p>	<p>Require long-term maintenance agreements to achieve final plat approval</p> <p>Require appropriate deed restrictions to protect natural conservation areas to achieve final plat approval</p>	<p>Require long-term maintenance agreements to achieve final plat approval</p> <p>Require appropriate deed restrictions to protect natural conservation areas to achieve final plat approval</p>
BMP 3	Create Green Sustainability Task Force	 (City)   (Developer)	★	  		<p>Identify representative(s) from each City department</p>	<p>Define goals of task force</p> <p>Define extents of routine meetings and coordination</p>	<p>Reassess functionality of task force and adjust goals as needed based on experience from first full year</p>	<p>Continue to meet, share sustainability actions amongst departments, and achieve task force determined goals</p>	<p>Continue to meet, share sustainability actions amongst departments, and achieve task force determined goals</p>
BMP 4	Education Workshops	 (City)   (Developer)	★ - ★★★ (varies by pollutant type)	 		<p>Identify workshops that would be beneficial based on new ordinance revisions and other City actions</p> <p>Identify staff member(s) responsible for organizing workshop</p> <p>Outline workshop(s) and identify expected audience(s)</p>	<p>Host initial workshop</p> <p>Request feedback from audience</p> <p>Use feedback to improve subsequent workshops</p>	<p>Host subsequent workshop</p>	<p>Continue to utilize workshop program as new ordinances, programs, or actions are put into effect</p>	<p>Continue to utilize workshop program as new ordinances, programs, or actions are put into effect</p>










































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BMP 5	Business Outreach	 (City)  (Developer)	★★ - ★★★ (varies by pollutant type)	 		Identify incentives the City can offer for GSI retrofits and additions	Develop application and criteria for businesses to earn incentive	Advertise program to community  Process applications and award incentives as appropriate	Process applications and award incentives as appropriate	Process applications and award incentives as appropriate
BMP 6	Community Partnerships	 (City)  (Developer)	★ - ★★★ (varies by pollutant type)			Identify staff member(s) to take responsibility for community partnerships  Develop outline for community partnerships  Start outreach to connect with interested organizations	Develop community partnerships  Continue outreach for new partnerships	Maintain advertisement of community partnerships via website and other platforms	Maintain advertisement of community partnerships via website and other platforms	Maintain advertisement of community partnerships via website and other platforms
BMP 7	Consultation Services	 (City)  (Developer)	★		 	Identify staff member to be primary contact; have them be knowledgeable of applicable ordinances and City criteria  Alternatively, if using vetted list of external resources, identify qualification for external resource to be on list.	Utilize identified staff as primary contact for consultation services.  Alternatively, advertise to potential external resources the requirements to be on City list	Utilize identified staff as primary contact for consultation services.  Alternatively, provide list of vetted external resources to parties that request consultation services	Utilize identified staff as primary contact for consultation services.  Alternatively, provide list of vetted external resources to parties that request consultation services	Utilize identified staff as primary contact for consultation services.  Alternatively, provide list of vetted external resources to parties that request consultation services
BMP 8	Public-Facing Resources	 (City)  (Developer)	★-★★★ (varies by pollutant type)			Develop reoccurring event for hazardous waste and bulk collection	Try to find community partnership and then host first hazardous waste and bulk collection  Develop recycling program and identify party that will pay for recycled resources	Continue to host hazardous waste and bulk collection with community partnership  Try to find community partnership and then kickoff recycling program	Continue to host hazardous waste and bulk collection with community partnership  Continue to run recycling program with community partnership  Ban Styrofoam from beaches  Apply Styrofoam info on public facing resources	Continue to host hazardous waste and bulk collection with community partnership  Continue to run recycling program with community partnership  Enforce Styrofoam ban on beaches





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BMP 9	Dumping Practices	 (City)   (Developer)	★ - ★★★ (varies by pollutant type)	 		<i>Develop reoccurring event for hazardous waste and bulk collection</i>	<i>Try to find community partnership and then host first hazardous waste and bulk collection</i>  <i>Develop recycling program and identify party that will pay for recycled resources</i>	<i>Continue to host hazardous waste and bulk collection with community partnership</i>  <i>Try to find community partnership and then kickoff recycling program</i>	<i>Continue to host hazardous waste and bulk collection with community partnership</i>  <i>Continue to run recycling program with community partnership</i>  <i>Ban Styrofoam from beaches</i>  <i>Apply Styrofoam info on public facing resources</i>	<i>Continue to host hazardous waste and bulk collection with community partnership</i>  <i>Continue to run recycling program with community partnership</i>  <i>Enforce Styrofoam ban on beaches</i>
BMP10	Establish an Inspection Schedule	 (City)    (Developer)	★ - ★★★ (varies by pollutant type)			<i>Identify staff responsible for inspection of drainage facilities</i>	<i>Identify drainage facilities that will need to be on inspection schedule</i>  <i>Create inspection criteria, may differ based on drainage facility type</i>  <i>Create inspection schedule</i>  <i>Notify owners of when inspections will begin and inspection criteria</i>	<i>Begin drainage facility inspection schedule</i>  <i>Notify owners of failed inspections, along with deadline to address issues</i>  <i>Add drainage facilities from new development to inspection schedule</i>	<i>Continue routine inspections</i>  <i>Add drainage facilities from new development to inspection schedule</i>	<i>Continue routine inspections</i>  <i>Add drainage facilities from new development to inspection schedule</i>

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ORD 1	Incentivize Sustainable Renovations	 (City)   (Developer)	★★			<p>Adopt landscape ordinance amendment to provide landscaping credits for the implementation of green stormwater infrastructure for both new development and redevelopment (with higher credit in redevelopment).</p> <p>Adopt zoning ordinance amendment to provide green space incentive credit for areas functioning as green stormwater infrastructure, with higher credit for redevelopment.</p> <p>Adopt Stormwater Management and Drainage Ordinance, with initial provision to cross-reference incentives listed above.</p>	Evaluate incentives for effectiveness and continued need.	Evaluate incentives for effectiveness and continued need.	Evaluate incentives for effectiveness and continued need.	Evaluate incentives for effectiveness and continued need.
ORD 2	Identify and Preserve Sensitive Areas	 (City)   (Developer)	★★			<p>Adopt landscape ordinance amendment to provide landscaping credits for the preservation of sensitive areas, such as wetlands, and the restoration of such sensitive areas in redevelopment scenarios.</p> <p>Adopt zoning ordinance amendment to provide green space incentive credits for the preservation of sensitive areas, such as wetlands, and the restoration of such sensitive areas in redevelopment scenarios.</p>	Evaluate incentives for effectiveness and continued need.	Evaluate incentives for effectiveness and continued need.	Evaluate incentives for effectiveness and continued need.	Evaluate incentives for effectiveness and continued need.

BMP ID or ORD ID	Best Management Practice or Regulatory Approach	Cost	Potential Pollutant Reduction	City Personnel Impact	Bureaucratic Involvement	Year 1	Year 2	Year 3	Year 4	Year 5
ORD 3	Reduce Clearing and Grubbing	 (City)   (Developer)	★			<p>Adopt landscape ordinance amendment to provide landscaping credits for the preservation of sensitive areas, such as wetlands, and the restoration of such sensitive areas in redevelopment scenarios. This effectively reduces clearing and grubbing.</p> <p>Adopt Stormwater and Drainage Ordinance, to include provisions making clear that clearing and grubbing activity is not allowed prior to securing appropriate development permits.</p>	Evaluate incentives for effectiveness and continued need.	Evaluate incentives for effectiveness and continued need.	Evaluate incentives for effectiveness and continued need.	Evaluate incentives for effectiveness and continued need.
ORD 4	Add Detention Design Requirements	 (City)   (Developer)	★			Adopt Stormwater and Drainage Ordinance, to include provisions establishing drawdown requirements for detention, enhanced detention and bioretention.		Evaluate drawdown effectiveness.		
ORD 5	Change Street/Driveway Specifications	 (City)   (Developer)	★					Update necessary ordinances and technical manuals to new street and cul-de-sac sections, reconciling with adopted fire code.		
ORD 6	Add Commercial Parking Specifications	 (City)   (Developer/Business)	★ - ★★★ (varies by approach)		 -  	Adopt landscape ordinance amendment to provide regulatory direction on the placement of landscaping in such a way that stormwater runoff flows into/through the landscape areas prior to leaving the site.	Adopt zoning ordinance amendment to require permeable surfaces when the parking provided exceeds the required minimum by more than 25 percent.	Evaluate effectiveness and revise as needed as part of annual review of zoning ordinance amendment needs.	Evaluate effectiveness and revise as needed as part of annual review of zoning ordinance amendment needs.	Evaluate effectiveness and revise as needed as part of annual review of zoning ordinance amendment needs.
ORD 7	Change cul-de-sac Specifications	 (City)   (Developer/Business)	★					Update necessary ordinances and technical manuals to new street and cul-de-sac sections, reconciling with adopted fire code.		

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ORD 8	Update Litter Ordinance and Dumping Practices	 (City)   (Developer/Business)	★							
ORD 9	Establish Regulations for Illicit Discharges	 (City)   (Developer/Business)	★ - ★★★ (varies by pollutant type)	 	 		Adopt illicit discharge ordinance			
ORD 10	Establish Construction Monitoring Regulations	 (City)   (Developer/Business)	★★	 	 	Adopt Stormwater Management and Drainage Ordinance, to include provisions for monitoring erosion and sedimentation controls.	Adopt Illicit Discharge ordinance			
ORD 11	Establish Post-Construction Maintenance	 (City)   -   (Developer/Business)	★★		 	Adopt Stormwater Management and Drainage Ordinance, to include provisions for post-construction maintenance. This includes functionality inspections, necessary easements and creation of maintenance entities as necessary.				
ORD 12	Establish Construction Requirements to Enforce Erosion and Sedimentation Controls for All Exterior and Site Developments	 (City)   -   (Developer/Business)	★★	 	 	Adopt Stormwater Management and Drainage Ordinance, to include provisions for monitoring erosion and sedimentation controls.	Adopt illicit discharge ordinance			
ORD 13	Update Ordinances to Require Mitigation of Impervious Area Through GSI Controls	 (City)    -    (Developer/Business)	★★★ - ★★★★★ (varies by approach)	 	 			Amend Stormwater Management and Drainage Ordinance to adopt Option 2 (GSI requirement when impervious cover exceeds 50%) or Option 3 (GSI requirement for all impervious cover).		
ORD 14	Limit Cut and Fill	 (City)   (Developer/Business)	★		 -  	Adopt zoning ordinance amendment removing exceptions to development permit requirement for residential or commercial fill of less than one (1) foot in depth.				

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ORD 15	Establish GSI Criteria	 (City)   -    (Developer/Business)  <i>Depends on level of requirement, ranging from incentive-only to requirement for all new development</i>	★★ - ★★★★★ (varies by approach)	 -  	 -     <i>Depends on level of requirement, ranging from incentive-only to requirement for all new development</i>	<i>Adopt landscape ordinance amendment to provide landscaping credits for the implementation of green stormwater infrastructure for both new development and redevelopment (with higher credit in redevelopment).</i>  <i>Adopt zoning ordinance amendment to provide green space incentive credit for areas functioning as green stormwater infrastructure, with higher credit for redevelopment.</i>  <i>Adopt Stormwater Management and Drainage Ordinance, to include adoption by reference of Guidance for Sustainable Stormwater Drainage on the Texas Coast.</i>					
ORD 16	Change Platting Requirements to Include more Development Types	 (City)   -   (Developer/Business)	★	 -  	 -  		<i>Amend Subdivision Ordinance to adopt best and current practices for platting in Texas, consistent with state law and case law.</i>				
ORD 17	Update Building Permit Thresholds to Capture More Structure Types	 (City)   (Developer/Business)	★	 -  	 -  	<i>Adopt zoning ordinance amendment removing exceptions to development permit requirement for residential or commercial fill of less than one (1) foot in depth.</i>					
ORD 18	Require Pre-Project Meetings for Larger Developments	 (City)   (Developer/Business)	★		 -  		<i>Amend zoning, subdivision and other relevant ordinances to require pre-project or pre-proposal meetings</i>				
ORD 19	Increase the Design Storm	 (City)    (Developer/Business)	★ - ★★				<i>Update Drainage System Master Plan and use to assess appropriate design storm.</i>	<i>Update necessary ordinances and technical manuals to the recommended design storm.</i>			

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ORD 20	Update Flood Damage Prevention Ordinance	 (City)   (Developer/Business)	★				<p><i>Adopt Ordinance reflecting current recommended regulatory template from Texas Water Development Board and FEMA.</i></p> <p><i>Include higher regulatory standards to improve resilience post-disaster and resulting from sea level changes that:</i></p> <ul style="list-style-type: none"> <li><i>• Provide additional definitions, particularly for repetitive loss</i></li> <li><i>• Establish two-foot (2') freeboard requirements for elevation of residential structures and elevation/flood-proofing of non-residential structures</i></li> <li><i>• Establish two-foot (2') freeboard requirements above adjacent grade and crown of road</i></li> <li><i>• Adopt standard for acceptable fill</i></li> <li><i>• Provide access during a base flood event</i></li> </ul> <p><i>Provide standard elevation outside of special flood hazard area</i></p>			