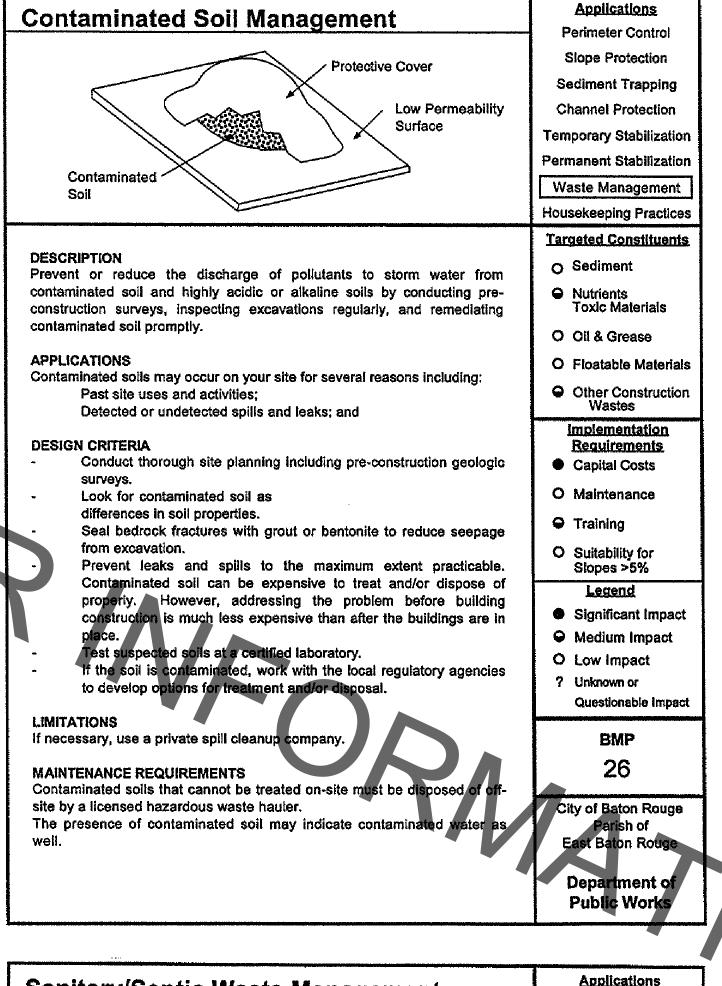
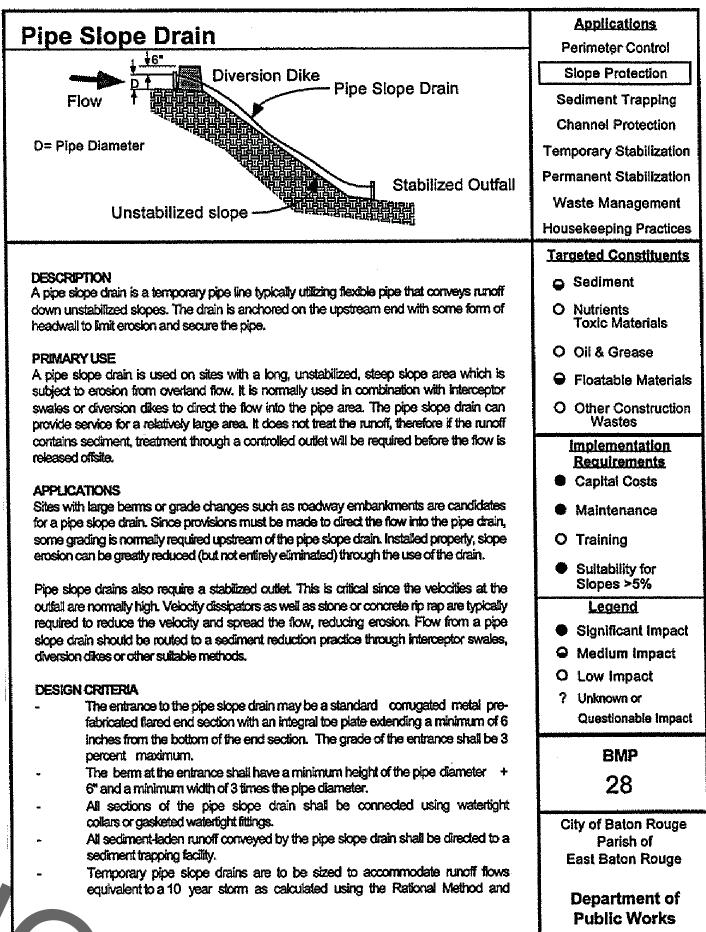


Sandblasting Waste Management

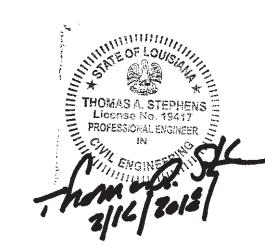
Applications

Perimeter Control





Pipe Slope Drain



STANDARD PLAN NO. SHEET NO. FEBRUARY 25, 2008 9 OF 11 903-01

PROJECT NO.

SHEET

STORM WATER POLLUTION PREVENTION PLAN BEST MANAGEMENT PRACTICES

ENGINEERING DIVISION DEPARTMENT OF PUBLIC WORKS CITY OF BATON ROUGE & PARISH OF EAST BATON ROUGE DESIGNED DRAWN CHECKED

Minimum Pipe Size	Maximum Contributing Drainage Area	
12*	0.5 Acres	
18"	1.5 Acres	
21"	2.5 Acres	
24"	3.5 Acres	
30"	5.0 Acres	

Maximum drainage area for individual pipe slope drains shall be 5 acres. For areas larger than 5 acres, additional

Both the entrance and outfall of the pipe slope drain should be properly stabilized. Grass can normally be used at the entrance, but armor type stabilization such as stone or concrete rip rap is normally required to address the high

An effectiveness rating is based on the ratio of storm water routed away from the slope and into the pipe drain versus the total area of the drainage basin. A minimum value of 0.40 and a maximum value of 0.85 is used for the rating.

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Drains must be located away from construction areas since the drain can easily be damaged by construction

Securing the pipe to the slope can be difficult and require significant maintenance during the life of the system.

In situations where pipe slope drains convey sediment-laden runoff, pipes can become clogged during large rain events causing water to overtop the diversion dike thereby creating a serious erosion condition. Grading is normally required upstream of the pipe slope drain in order to direct flow into the system. This can

cause additional cost and maintenance. A pipe slope drain reduces erosion but does not prevent it or reduce the amount of sediment in runoff. Additional measures should be used in conjunction with the pipe slope drain to treat the flow.

MAINTENANCE REQUIREMENTS

Inspection must be made of the pipe after each significant (>0.5 inch) rain event to locate and repair any damage to joints or dogging of the pipe. In cases where the diversion dike has deteriorated from around the entrance of the pipe, it may be necessary to reinforce the dike with sandbags or to install a concrete collar to prevent failure. Signs of erosion around the

Department of

pipe drain should be addressed in a timely manner by stabilizing the area with erosion control mats, crushed stone, concrete or other acceptable method.

Public Works

	Sanublasting wast	e management	
-	Instruct all on-site employees of the potential hazardous nature of possible symptoms of over-exposure to sandblast grit.	f sandblast grit and the	
-	Instruct operators of sandblasting equipment on safety procedures equipment.	and personal protection	
AL	Instruct operators on proper procedures regarding storage, handles sandblast grit.	ing and containment of	
-	Instruct operators to recognize unfavorable weather conditions activities.	regarding sandblasting	
***	Instruct operators and supervisors on current local, state and feder fugitive dust and hazardous waste from sandblast grit.	ral regulations regarding	
•	Have weekly meetings with operators to discuss and reinforce proper	nnarational propoduros	
=	Establish a continuing education program to indoctrinate new employe	pes.	
Materia	als Handling Recommendations		
•	Sandblast media should always be stored under cover away from drainage structures.		
**	Ensure that stored media or grit is not subject to transport by wind.		
~	Ensure that all sandblasting equipment as well as storage contain	ers comply with current	
	local, state and federal regulations.		
-	Refer to Hazardous Waste BMP		
	hazardous components.		
-	Capture and treat runoff which comes into contact with sandblasting a	material or waste.	
Quality	r Assurance		
45	Foremen and/or construction supervisor should monitor all sandblasting activities and safety procedures.		
•	Educate and if necessary, discipline workers who violate procedures.		
#	Take all reasonable precautions to ensure that sandblast grit is not to drainage facilities.	ransported off-site or Into	
Reauir	ements		
-	Education and awareness program for all employees regarding control of sandblasting and		
	potential dangers to humans and the environment.	<u> </u>	
-	Operator and supervisor education program for those directly involved in sandblasting activities		
•	instructions on material handling, proper equipment operation, personal protective equipment,		
	fugitive dust control, record keeping and reporting.	• • • •	
•	Proper sandblast equipment for the job.		
-	Site-specific fugitive dust control and containment equipment.		
-	Site-specific fugitive dust control procedures.		
•	Compliance by supervisors and workers.		
Costs		ВМР	
-	Minimal cost for training and monitoring.	1	
•	Potential for significant cost for containment procedures on large	25	
	inhe	- -	

Potential for significant costs associated with cleanup, correction

Department of

Public Works

and remediation if contamination occurs.

Sanitary/Septic Waste Management	<u>Applications</u>
Samtary/Septic Waste Management	Perimeter Control
	Slope Protection
	Sediment Trapping
PORTABLE TOILET	Channel Protection
	Temporary Stabilizati
	Permanent Stabilizati
	Waste Managemen
	Housekeeping Practic
	Targeted Constituer
DESCRIPTION Province of political to the disaborate of politi	O Sediment
Prevent or reduce the discharge of pollutants to storm water from sanitary/septic waste by providing convenient, well-maintained facilities, and arranging for regular service and disposal.	Nutrients Toxic Materials
APPLICATIONS	O Oil & Grease
This BMP is	O Floatable Materi
DESIGN CRITERIA - Sanitary or septic wastes should be treated or disposed of in	O Other Constructi Wastes
accordance with State and local requirements.	Implementation
 Locate sanitary facilities in a convenient location. Untreated raw sewage should never be discharged or buried. 	Requirements O Capital Costs
- Temporary septic systems should treat wastes to appropriate	Maintenance
levels before discharging. - If using an on-site disposal system (OSDS), such as a septic	
system, contact the	→ Training
 If discharging to the sanitary sewer, contact the local sewage treatment plant for their requirements. Sanitary/septic facilities should be maintained in good working 	O Sultability for Slopes >5%
order by a licensed service.	Legend
 Arrange for regular waste collection by a licensed hauler before facilities overflow. 	Significant Impa
admires overhow.	Medium Impact
	O Low Impact ? Unknown or
LIMITATIONS There are no major limitations to this best management practice.	Questionable Impa
MAINTENANCE REQUIREMENTS Inspect facilities regularly. Arrange for regular waste collection.	вмр 27
	City of Baton Roug Parish of East Baton Rouge
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903-01