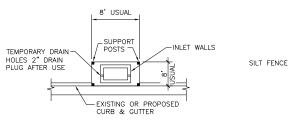
SITE DESCRIPTION	EROSION AND SEDIMENT CONTROLS				CONSULTANT'S SHEET No.
PROJECT LIMITS:	SOIL STABILIZATION PRACTICES:	OTHER EROSION AND SEDIMENT CONTROLS:		│ ├	
	TEMPORARY SEEDING	MAINTENANCE:			
			_		
PROJECT DESCRIPTION:	SOIL RETENTION BLANKET		_		
	PRESERVATION OF NATURAL RESOURCES				
	OTHER:			z	
		INSPECTION:		RIPTIO	
			_	DESC	
	STRUCTURAL PRACTICES.		<u> </u>		
MAJOR SOIL DISTURBING ACTIVITIES:					
	DIVERSION, INTERCEPTOR, OR PERIMETER DIKES	WASTE MATERIALS:			
	DIVERSION DIKE AND SWALE COMBINATIONS	WASIE WATERIALS.	_		
	PAVED FLUMES ROCK BEDDING AT CONSTRUCTION EXIT				
	TIMBER MATTING AT CONSTRUCTION EXIT				
			$= \sqcup$	$\perp \perp$	
	STORM INLET SEDIMENT TRAP STONE OUTLET STRUCTURES	HAZARDOUS WASTE (INCLUDING SPILL REPORTING):			
	CURBS AND GUTTERS STORM SEWERS			œ l	ISTI vices
	VELOCITY CONTROL DEVICES				HRI.
	OTHER:		_	DATE	C C
	OTHER:		- H	9	S S neer
		SANITARY WASTE:		NOIS (CORPUS TEXAS
	NARRATIVE - SEQUENCE OF CONSTRUCTION (STORM WATER MANAGEMENT) ACTIVITIES:			REVI	C C
					of ent
					7Y
TOTAL PROJECT AREA:					Cl
TOTAL AREA TO BE DISTURBED:		LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN EXCESS DIRT ON ROAD REMOVED DAILY		∃F	3
WEIGHTED RUNOFF COEFFICIENT: (AFTER CONSTRUCTION):		STABILIZED CONSTRUCTION ENTRANCE			Z 6
EXISTING CONDITION OF SOIL & VEGETATIVE		OTHER:	— 		H N H O L O
COVER AND % OF EXISTING VEGETATIVE COVER:			_		L H
				SIPTION	X E
		REMARKS:		DESC	= ₾
					CHRIS ION TES
			_		of corpus che POLLUTION LAN NOTES
NAME OF RECEIVING WATERS:			_		000R
	STORM WATER MANAGEMENT:				, of PLA
					를 된
					WAT
		AND SHALL OBTAIN ALL PERMITS AND FULFILL ALL PERMIT REQUIREMENTS, INCLUDING FEES, FOR T.C.E.Q. GENERAL PERMIT NO. TXR 150000 RELATING TO DISCHARGES			≥
		FROM CONSTRUCTION ACTIVITIES. THESE ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO NOTICE OF INTENT (NOI, REQUIRED SITE POSTINGS AND NOTICE OF TERMINATION			0. R
		(NOT). ALL ACTIVITIES WILL BE PERFORMED AT THE MILESTONES REQUIRED BY THE		6	ST
				—————————————————————————————————————	
					SHEET of
				- F	RECORD DRAWING NO.
				Nois –	
				ĬŠ.	CITY PROJECT #

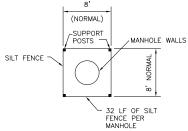
								CONSULTANT'S	SHEET No.
Stormwater Pollution Prevention — Clean Water Act Section 402			III. <u>Cultural Resources</u>		VI. <u>Hazardous Materials or Contamination Issues</u>				
TPDES TXR 150000: Stormwater Discharge Permit or Construction General Permit required for projects with 1 or more acres distrubed soil. Projects with any disturbed soil must protect for erosion and sedimentation.		In the event historical issues or archeological artifacts (bones, burnt rock, flint, pottery, etc.) are found during construction, cease work in the immediate area and contact the Engineer immediately.		materials by conducting safety me	cation Act (the Act) for personnel who will be working with hazardous eetings prior to beginning construction and making workers aware of a Ensure that all workers are provided with personal protective ardous materials used.				
No Action Required	Required Action		☐ No Action Required	Required Action		Safety Data Sheets, (MSDS) for all hazardous products used on the			
Action No.		Action No.		project, which may include, but are not limited to the following categories: Paints, acids, solvents, asphalt products, chemical additives, fuels and concrete curing compounds or additives. Provide protected storage, off bare ground and covered, for products which may be hazardous. Maintain					
 Prevent stormwater pollution by controlling erosion and sedimentation in accordance with TPDES Permit TXR 150000 		1.		product labelling as required by th		NO ILL			
Comply with the SW3P and revise when necessary to control pollution or required by the Engineer.		2.		of a spill, take actions to mitigat	e the spill as indicated in the MSDS, in accordance with safe work t Spill Coordinator immediately. The Contractor shall be responsible	7540			
Post Construction Site Notice, (CS accessible to the public and TCEQ	N) with SW3P information on or near the EPA or other inspectors.	he site,	4.		Contact the Engineer if any of th	e follwing are detected:			
 When Contractor project specific locations (PSL's) increase disturbed soil area to 5 acres or more, submit NOI to TCEQ and the Engineer. 		5.		* Dead or distressed vegeta * Trash piles, drums, caniste * Undesirable smells or odor * Evidence of leaching or se	'S				
	bodies and Wetlands Clean Water	Act Sections	IV. Vegetation Resources		Any other evidence indicating possible hazardous materials or contamination discoverd on site.				
401 & 404 No Permit Required			Preserve native vegetation to	the extent practical.	Hazardous Materials on Cont	tamination legues Specific to this Project.			
		work in any water bodies, rivers,	No Action Required	Hazardous Materials or Contamination Issues Specific to this Proj					(0
The Contractor must adhere to	all of the terms and conditions as:	sociated with the following permit(s):	Action No.		No Action Required	Required Action	à		CHRISTI g Services
			1.		Action No.				:HR Ser
=	Required (less than 1/10th acre waters uired (1/10 to $<$ 1/2 acre, 1/3 in tidal w	•	2.		1.		TAC	5	S C
☐ Individual 404 Permit Required ☐ Other Nationwide Permit Required: NWP#		3.		2.		Ç :		RPU AS gine	
	the US permit applies to, location in	n project and check			3.		ָר ניי ניי		COI TEX
	ed to control erosion, sedimentation	· · · ·	4.		4.			1	of ent o
1.			V. Federal Listed, and Proposed T State Listed Species, Candidate	hreatened and Endangered Species, Critical Habitat,	VII. Other Environmental Issues				CITY partme
2.			state Listed Species, Canadate	, species and migratory binds.	(Include applicable regional or site	specific environmental issues.)			CI Depa
3.			No Action Required	Required Action	No Action Required	Required Action			() H
4.			Action No.		Action No.				MITS 2 o
			1.		1.				PERMITS: PIC) 2 c
Best Management Practices	:		2.		2.		NOITG!		
Erosion	Sedimentation	Post-Construction TSS	3.		3.		7000	200	ORPUS CHRISTI (IRONMENT) (OMMENTS)
☐ Temporary Vegetation ☐ Blankets/Matting	Rock Berm	Vegetative Filter StripsRetention ∕Irrigation Systems	4.		4.				S CH NM MEN
Mulch	Triangular Filter Dike	Extended Detention Basin	"		"				RPC OM
Sodding	Sand Bag Berm	Constructed Wetlands							DF CORPU
Interceptor Swale	Straw Bale Dike	Wet Basin							
Diversion Dike	Brush Berms	Erosion Control Compost	If any of the listed species are ob	served, cease work in the immediate area, do not disturb species or					CITY OF TER EI AND
☐ Erosion Control Compost ☐ Mulch Filter Berm and Socks	Erosion Control Compost Mulch Filter Berm and Socks	Mulch Filter Berm and Socks Compost Filter Berm and Socks		immediately. The work may not remove active nests from bridges and ason of the birds associated with the nests. If caves or sinkholes are					
Compost Filter Berm and Socks	Compost Filter Berm and Socks	Vegetation Lined Ditches		ediated area, and contact the Engineer immediately.					1 WATE SUED
	Stone Outlet Sediment Traps	Sand Filter Systems							≥ (S
	Sediment Basins	,							ORM ISS
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								CITY PROJECT	#



TYPICAL SILT FENCE INSTALLATION AT CURB INLET PRIOR TO PLACEMENT OF CURB AND INLET TOP.

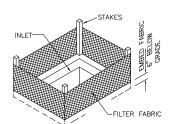
CURB INLET - PLAN

NOT TO SCALE



MANHOLE - PLAN

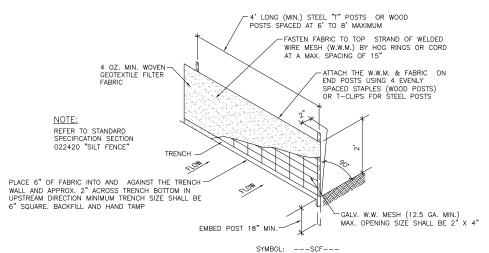
NOT TO SCALE



NOTES:

- FILTER FABRIC INLET PROTECTION SHALL BE USED DURING CONSTRUCTION TO CONTROL SEDIMENTATION PERIMETER SILT FENCING AROUND INLET LOCATIONS SHALL BE INSTALLED AFTER PIPE IS PLACED.
- FABRIC MATERIAL SHALL BE A NET-REINFORCED FENCE, USING WOVEN GEOTEXTILE FABRIC.
- 4. FENCE SHOULD BE REMOVED UPON COMPLETION OF

TEMPORARY FILTER FABRIC INLET PROTECTION DETAIL



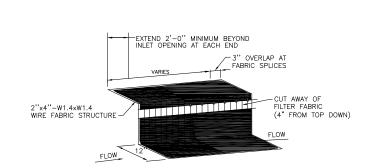
TEMPORARY SEDIMENT CONTROL FENCE DETAIL

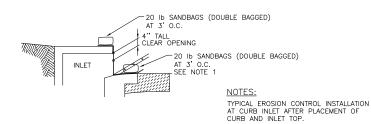
SEDIMENT CONTROL FENCE USAGE GUIDELINES:

SEDIMENT CONTROL FENCE MAY BE CONSTRUCTED NEAR THE DOWNSTREAM PERIMETER OF A DISTURBED AREA ALONG A CONTOUR TO INTERCEPT SEDIMENT FROM OVERLAND RUNOFF. A 2 YEAR STORM FREQUENCY MAY BE USED TO CALCULATE THE FLOW RATE TO BE FILTERED.

SEDIMENT CONTROL FENCE SHOULD BE SIZED TO FILTER A MAX. FLOW THROUGH RATE OF 100 GPM/FT. SEDIMENT CONTROL FENCE IS NOT RECOMMENDED TO CONTROL EROSION FROM A DRAINAGE LARGER THEN 2 ACRES.

st The guidelines shown here are suggestions only and may be modified

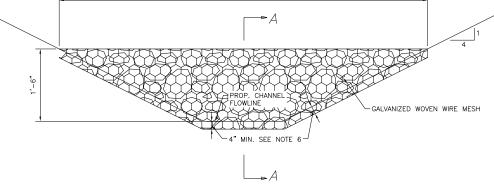




CURB INLET PROTECTION DETAIL

CURB INLET PROTECTION NOTES:

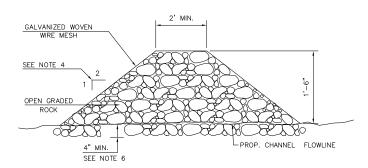
- 1. TO HOLD THE FILTER DIKE IN PLACE, 20 LB SANDBAGS SHALL BE USED AT 3' O.C. WHERE MINIMUM TO HOLD THE FILTER DIKE IN PLACE, 20 LB SANDBAGS SHALL BE USED AT 3' O.C. WHERE MINIMUM CLEARANCES CAUSE TRAFFIC TO DRIVE IN THE GUTTER, THE CONTRACTOR MAY SUBSTITUTE A 1"X4" BOARD, SECURED WITH 1/4" OR 3/8" CONCRETE SCREWS. THE 1/4" OR 3/8" CONCRETE SCREWS SHALL BE ATTACHED TO THE GUTTER BY DRILLING AN APPROPRIATE PILOT HOLE WITH A CONCRETE BIT AND INSERT PLASTIC FASTENERS. THE TOP OF THE SCREW SHALL BE RECESSED BELOW THE TOP OF THE BOARD. THE SCREWS SHALL BE PLACED ON 3' O.C. THIS METHOD IS USED IN LIEU OF SANDBAGS, IN THE GUTTER ONLY, TO HOLD THE FILETE DIKE IN PLACE. UPON REMOVAL, EITHER LEAVE THE PLASTIC FASTENERS IN PLACE, OR REMOVE THE PLASTIC FASTENERS, CLEAN ANY DIRT/DEBRIS FROM THE SCREW LOCATIONS, APPLY CHEMICAL SANDING AGENT AND APPLY NON-SHRINK GROUT FLUSH WITH THE SURFACE OF THE GUTTER. THIS METHOD SHALL NOT BE USED ON THE INITET IN LIEU OF SANDBAGS. ON THE INLET IN LIEU OF SANDBAGS.
- A SECTION OF FILTER FABRIC SHALL BE REMOVED AS SHOWN ON THIS DETAIL OR AS DIRECTED BY THE ENGINEER OR DESIGNATED REPRESENTATIVE. FABRIC MUST BE SECURED TO WIRE BACKING WITH CLIPS OR HOG RINGS AT THIS LOCATION.
- 3. DAILY INSPECTION SHALL BE MADE BY THE CONTRACTOR AND SILT ACCUMULATION MUST BE REMOVED WHEN DEPTH REACHES 2". INLET PROTECTION SHALL BE REPLACED AS NECESSARY DURING CONSTRUCTION DUE TO DAMAGE OR DETERIORATION (SUBSIDIARY TO INLET PROTECTION).
- 4. CONTRACTOR SHALL MONITOR THE PERFORMANCE OF INLET PROTECTION DURING EACH RAINFALL EVENT AND ONLY REMOVE INLET PROTECTION IF DIRECTED BY THE CITY OF CORPUS CHRISTI, OR IF CONTRACTOR OBSERVES AN IMMINENT THREAT OF FLOODING OF SURROUNDING PROPERTY.
- 5. INLET PROTECTIONS SHALL BE REMOVED AS SOON AS THE SOURCE OF SEDIMENT IS STABILIZED



VARIES - REFER TO CHANNEL PLAN & PROFILES

ROCK FILTER DAM AT EARTHEN BOTTOM CHANNEL

NOT TO SCALE

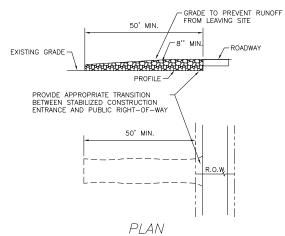


SECTION A-A

NOT TO SCALE

ROCK FILTER DAM NOTES:

- 1. IF SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER, FILTER DAMS SHOULD BE PLACED NEAR THE TOE OF SLOPES WHERE EROSION IS ANTICIPATED, UPSTREAM AND/OR DOWNSTREAM AT DRAINAGE STRUCTURES, AND IN ROADWAY DITCHES AND CHANNELS TO COLLECT SEDIMENT.
- 2. MATERIALS (AGGREGATE, WIRE MESH, SANDBAGS, ETC.) SHALL BE AS INDICATED BY THE SPECIFICATIONS FOR "ROCK FILTER DAMS FOR EROSION AND SEDIMENT CONTROL."
- 3. THE ROCK FILTER DAM DIMENSIONS SHALL BE AS INDICATED ON THE PLANS.
- 4. SIDE SLOPES SHOULD BE 2:1 OR FLATTER.
- 5. ROCK FILTER DAM SHALL BE A MINIMUM OF TWO FEET IN THICKNESS AT TOP OF DAM.
- 6. FILTER DAMS SHOULD BE EMBEDDED A MINIMUM OF 4" INTO EXISTING GROUND.
- 7. THE SEDIMENT TRAP FOR PONDING OF SEDIMENT LADEN RUNGER. SHALL BE OF THE DIMENSIONS. SHOWN ON THE PLANS.
- 8. ROCK FILTER DAM SHALL BE SECURED WITH 20 GUAGE GALVANIZED WOVEN WIRE MESH WITH 1"
 DIAMETER HEXAGONAL OPENINGS. THE AGGREGATE SHALL BE PLACED ON THE MESH TO THE HEIGHT
 & SLOPE SPECIFIED. THE MESH SHALL BE FOLDED AT THE UPSTREAM SIDE OVER THE AGGREGATE
 AND TIGHTLY SECURED TO ITSELF ON THE DOWNSTREAM SIDE USING WIRE TIES OR HOG RINGS. IN
 STREAM USE THE MESH SHOULD BE SECURED OR STAKED TO THE STREAM BED PRIOR TO AGGREGATE PLACEMENT
- 9. FLOW OUTLET SHOULD BE ONTO A STABILIZED AREA (VEGETATION, ROCK, ETC.)
- 10. THE GUIDLELINES SHOWN HEREON ARE SUGGESTIONS ONLY AND MAY BE MODIFIED BY THE ENGINEER.



STABILIZED CONSTRUCTION ENTRANCE

CONSTRUCTION ENTRANCE NOTES:

- STONE SIZE: 3-5" OPEN GRADED ROCK.
- 2. LENGTH: AS EFFECTIVE BUT NOT LESS THAN 50'.
- THICKNESS: NOT LESS THAN 8".
- 4. WIDTH: NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS/EGRESS.
- WASHING: WHEN NECESSARY, VEHICLE WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE AND DRAINS INTO AN APPROVED TRAP OR SEDIMENT BASIN. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
- MAINTENANCE: THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC ROADWAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND, AS WELL AS REPAIR AND CLEAN OUT OF ANY MEASURE DEVICES USED TO TRAP SEDIMENT. ALL SEDIMENTS THAT IS SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADWAY MUST BE REMOVED IMMEDIATELY.
- DRAINAGE: ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.

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CONSULTANT'S SHEET No