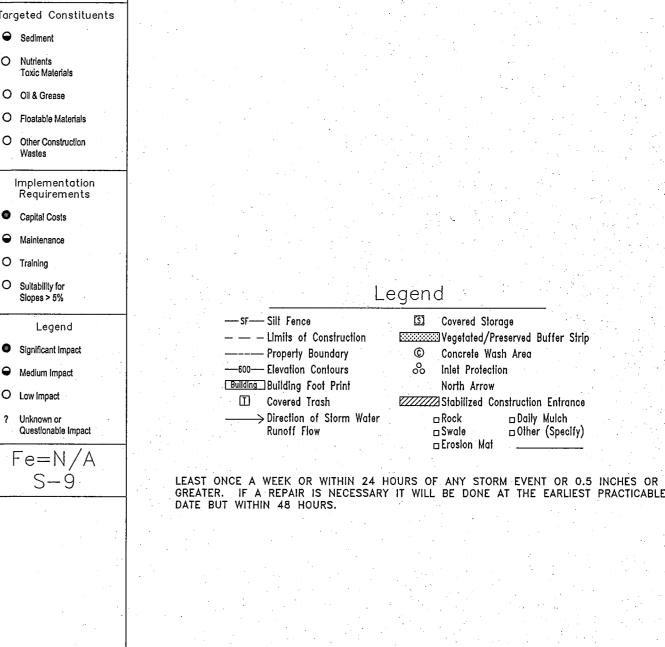


Periodic re-grading and top dressing with additional stone must be done to keep the efficiency

Concrete Waste Management Applications Perimeter Control Concrete waste at construction sites comes in two forms Slope Protection 1)excess fresh concrete mix including truck and equipment Sediment Trapping washing, and 2) concrete dust and concrete debris resulting from Channel Protection demolition. Both forms have the potential to impact water quality Temporary Stabilization through storm water runoff contact with the waste. Permanent Stabilization PRIMARY USE Waste Management Concrete waste is present at most construction sites. This BMP Housekeeping Practices should be utilized at sites in which concrete waste is present. **APPLICATIONS** A number of water quality parameters can be affected by Targeted Constituents Introduction of concrete - especially fresh concrete. Concrete affects the pH of runoff, causing significant chemical changes in O Sediment water bodies and harming aquatic life. Suspended solids in the form of both cement and aggregate dust are also generated Nutrients from both fresh and demolished concrete waste. Current Unacceptable Waste Concrete Disposal Practices O Oil & Grease Dumping in vacant areas on the job-site. Illicit dumping off-site. Floatable Materials Dumping into ditches or drainage facilities Recommended Disposal Practices Other Construction Avoid unacceptable disposal practices listed above Develop pre-determined, safe concrete disposal areas Provide a washout area with a minimum of 6 cubic feet of containment area volume for every 10 cubic yards of Implementation Requirements Never dump waste concrete illicitly or without property owners knowledge and consent. Capital Costs Treat runoff from storage areas through the use of structural Maintenance Training Drivers and equipment operators should be instructed on proper disposal and equipment washing practices (see above). O Suitability for Supervisors must be made aware of the potential environmental consequences of improperly handled concrete Legend The construction site manager or foreman must ensure that employees and pre-mix companies follow proper procedures Significant Impact for concrete disposal and equipment washing. Employees violating disposal or equipment cleaning directive Medium Impact must be re-educated or disciplined if necessary. O Low Impact Demolition Practices Monitor weather and wind direction to ensure concrete dust is not entering drainage structures and surface waters. Questionable Impact Where appropriate, construct sediment traps or other types of sediment detention devices downstream of demolition activities Requirements W-3Prohibit dumping waste concrete anywhere but pre-determined Assign pre-determined truck and equipment washing areas Educate drivers and operators on proper disposal and equipment cleaning procedures Minimal cost impact for training and monitoring. Concrete disposal cost depends on availability and distance to suitable disposal areas. Additional costs involved in equipment washing could be significant. This concrete waste management program is one part of a comprehensive construction site

waste management program.

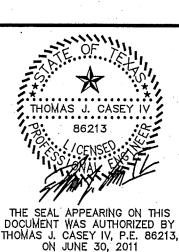


SWPPP DETAILS

GLENN ENGINEERING

HRISTIAN ACADEMY

PPP DETAILS SHEET 1



Issue Dates:

Review: Bid March 7, 2011

Revised Grading & HC
Parking May 2, 2011

Re-Bid May 11, 2011

Town Comments,

Parking May 2, 2011
Re-Bid May 11, 2011
Town Comments,
June 7, 2011
Town Comments #2,
Removed Loop Road
June 30, 2011

Construction:

Scale: AS NOTED

Drawn By: TJC

Checked By: CMA

Project No.: 10 - 599.150

Sheet 8