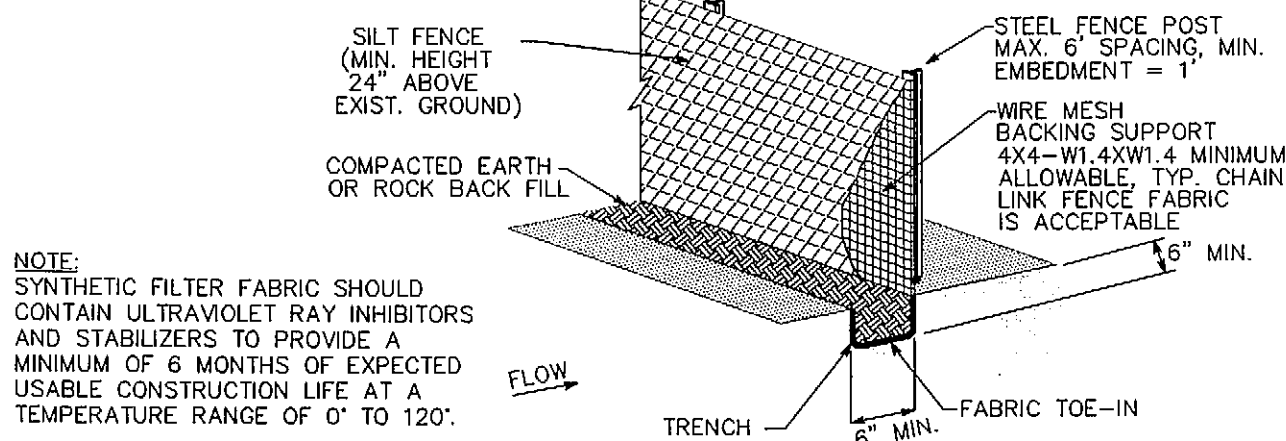


SILT FENCE GENERAL NOTES:

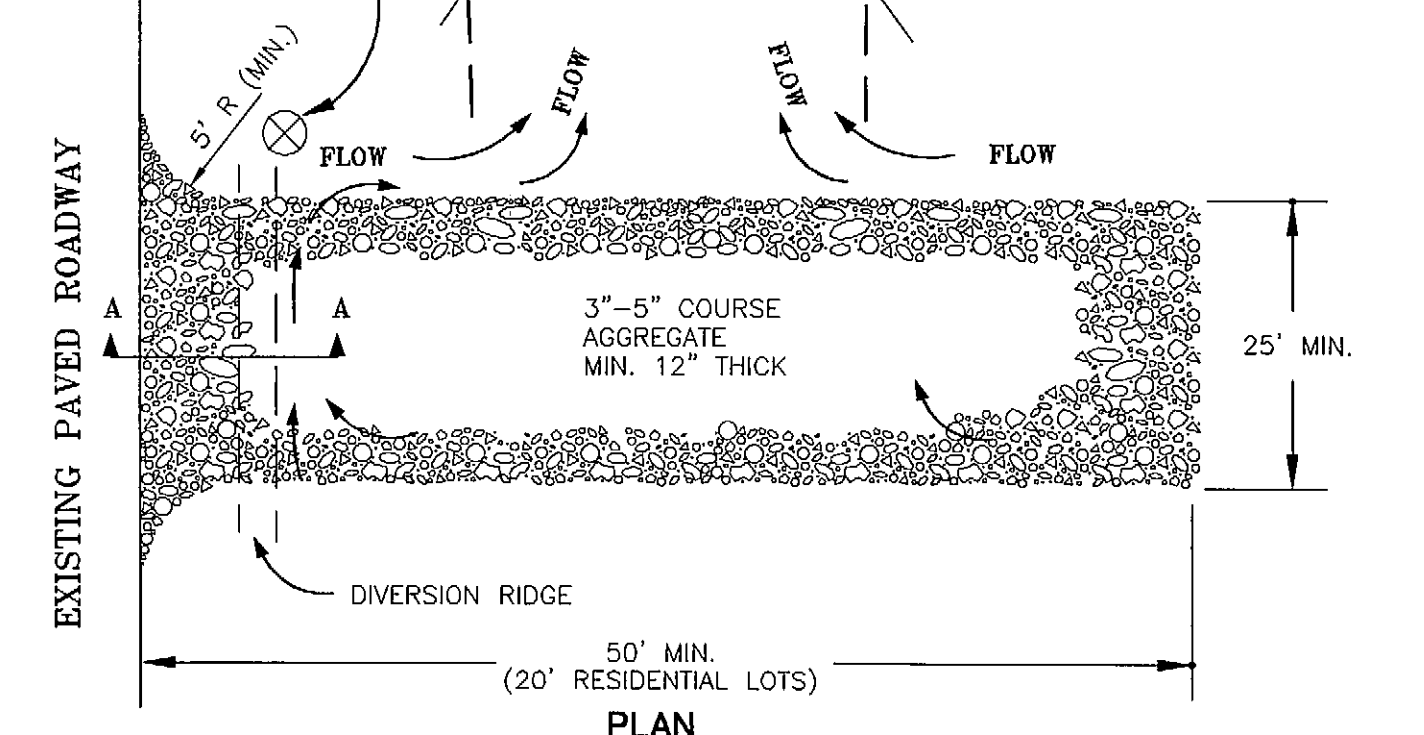
- STEEL POSTS WHICH SUPPORT THE SILT FENCE SHALL BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE. POST MUST BE EMBEDDED A MINIMUM OF ONE FOOT.
- THE TOP OF THE SILT FENCE SHALL BE TRENCHED IN WITH A SPADE OR MECHANICAL TRENCHER, SO THAT THE DOWN SLOPE FACE OF THE TRENCH IS FLAT AND PERPENDICULAR TO THE LINE OF FLOW. WHERE FENCE CANNOT BE TRENCHED IN (E.G. PAVEMENT), WEIGHT FABRIC FLAP WITH ROCK ON UPHILL SIDE TO PREVENT FLOW FROM SEEPING UNDER FENCE.
- THE TRENCH MUST BE A MINIMUM OF 6 INCHES DEEP AND 6 INCHES WIDE TO ALLOW FOR THE SILT FENCE FABRIC TO BE LAID IN THE GROUND AND BACK FILLED WITH COMPACTED MATERIAL.
- SILT FENCE SHOULD BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOVEN WIRE, WHICH IN TURN IS ATTACHED TO THE STEEL FENCE POST. THERE SHALL BE A 3 FOOT OVERLAP, SECURELY FASTENED WHERE ENDS OF FABRIC MEET.
- INSPECTION SHALL BE MADE EVERY TWO WEEKS AND AFTER EACH 1/2" RAINFALL. REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
- SILT FENCE SHALL BE REMOVED WHEN THE SITE IS COMPLETELY STABILIZED SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.
- ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.



01
C4.02 **SILT FENCE**
NOT TO SCALE

CONSTRUCTION ENTRANCE GENERAL NOTES:

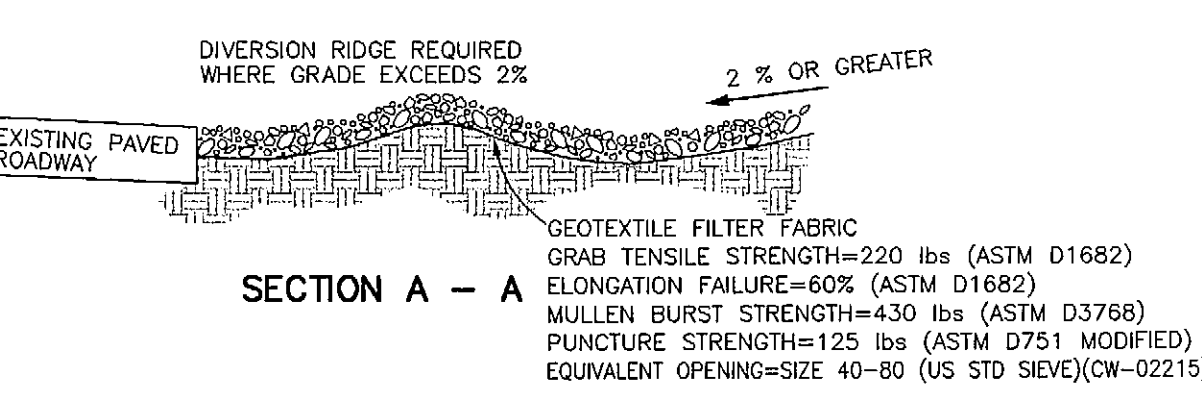
- STONE SHALL BE 3 TO 5 INCH DIAMETER CRUSHED ROCK (NO CRUSHED CONCRETE ALLOWED).
- LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 30 FEET FOR LOTS WHICH ARE LESS THAN 160 FEET FROM EDGE OF PAVEMENT. THE MINIMUM DEPTH IN ALL OTHER CASES SHALL BE 30 FEET.
- THE THICKNESS SHALL NOT BE LESS THAN 12 INCHES.
- THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PERIODIC TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
- THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.



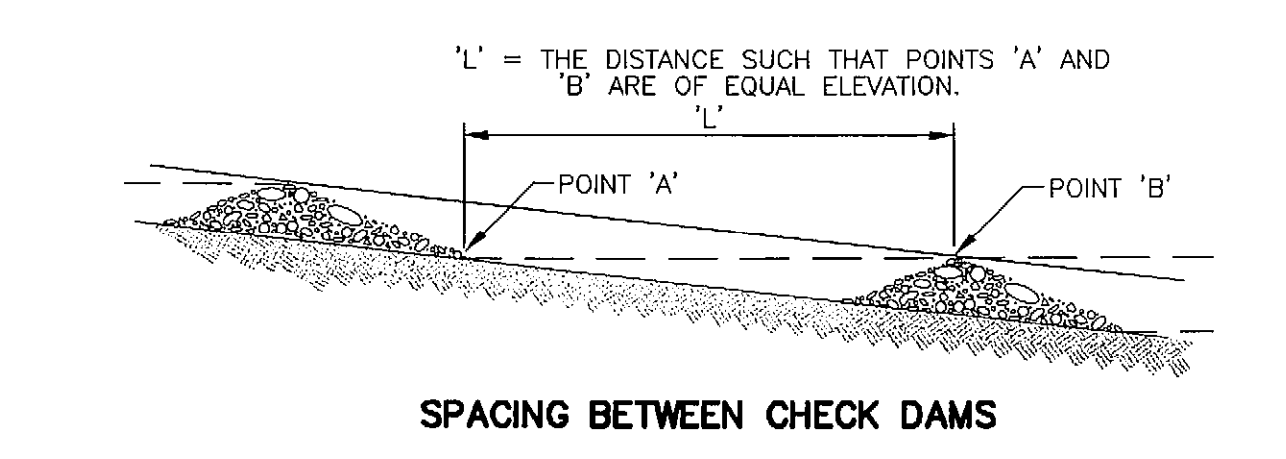
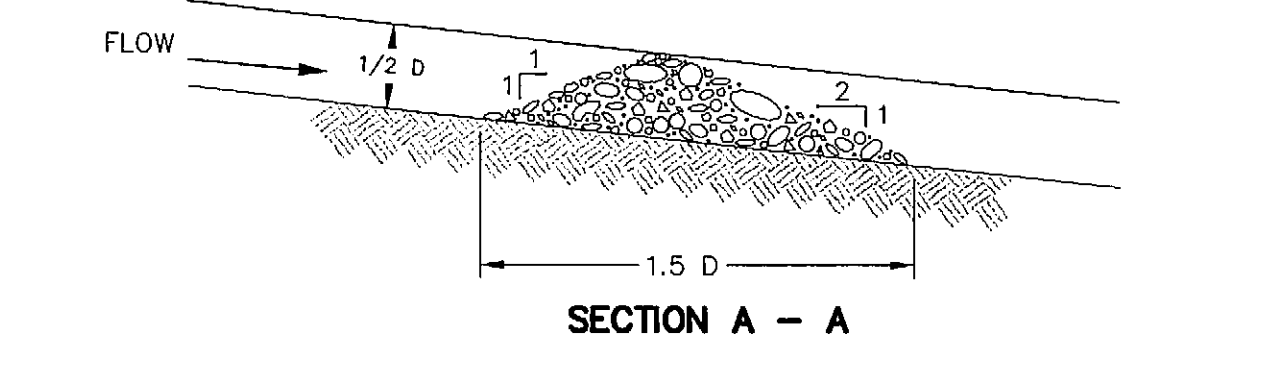
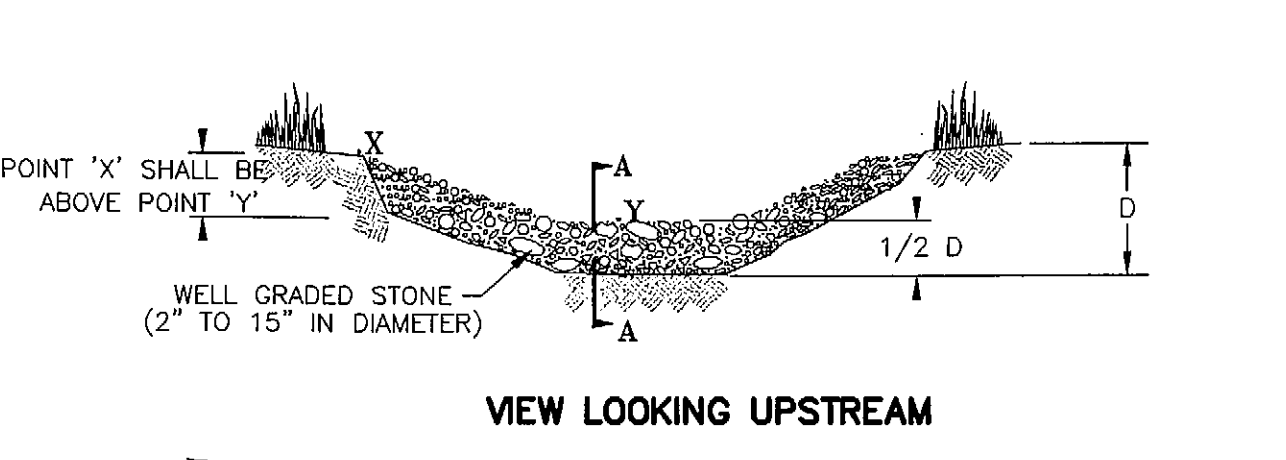
02
C4.02 **CONSTRUCTION ENTRANCE**
NOT TO SCALE

STABILIZED CONSTRUCTION ENTRANCE GENERAL NOTES:

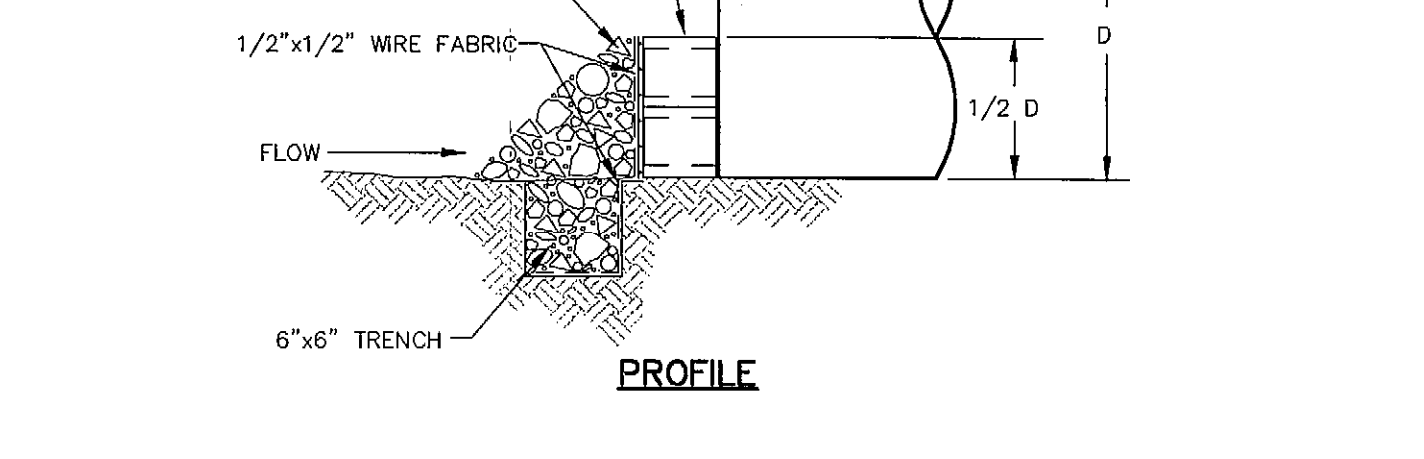
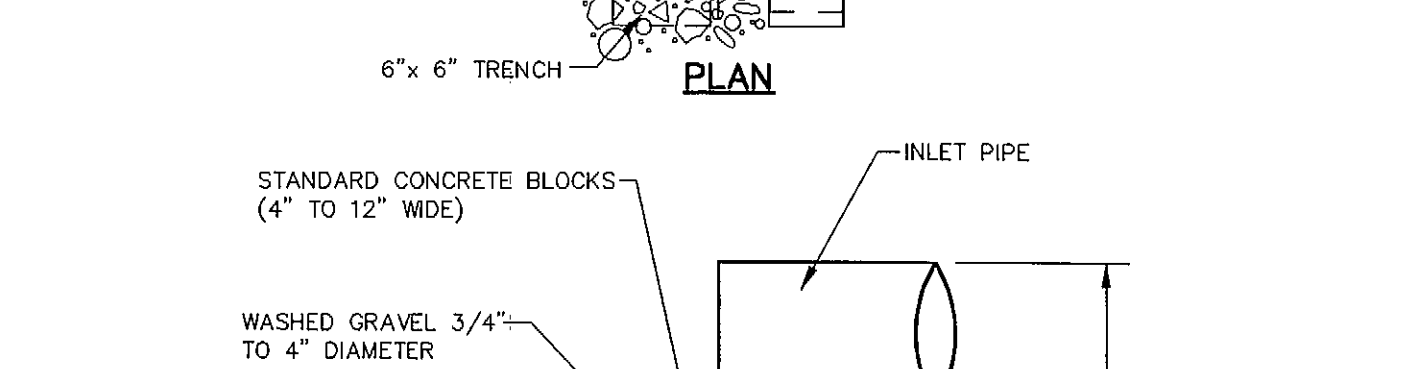
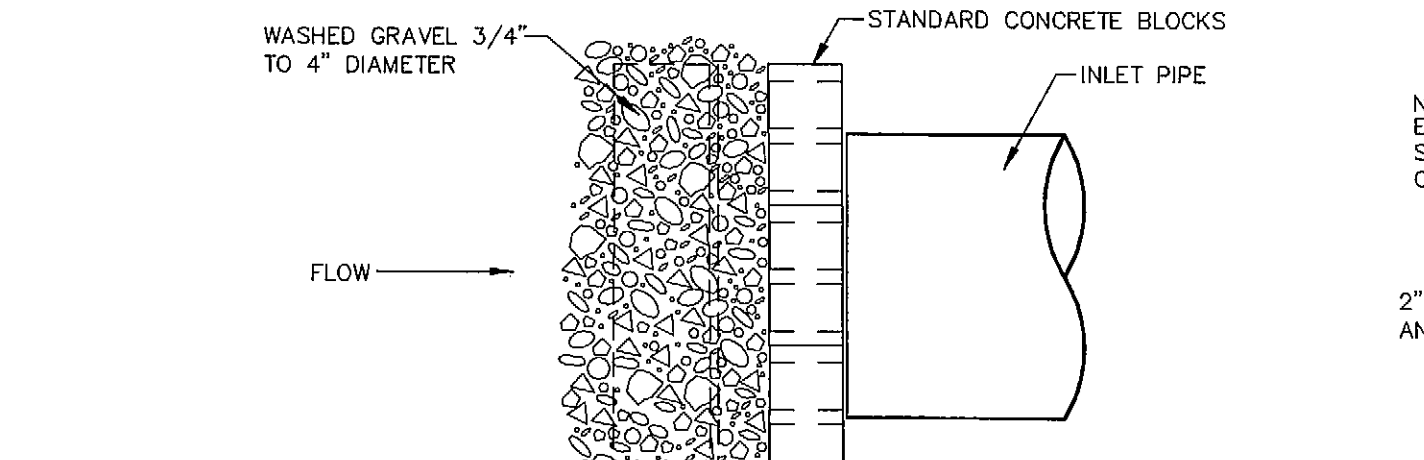
- STONE SHALL BE 3 TO 5 INCH DIAMETER CRUSHED ROCK (NO CRUSHED CONCRETE ALLOWED).
- LENGTH SHALL BE SHOWN ON PLANS, WITH A MINIMUM LENGTH OF 30 FEET FOR LOTS WHICH ARE LESS THAN 160 FEET FROM EDGE OF PAVEMENT. THE MINIMUM DEPTH IN ALL OTHER CASES SHALL BE 30 FEET.
- THE THICKNESS SHALL NOT BE LESS THAN 12 INCHES.
- THE WIDTH SHALL BE NO LESS THAN THE FULL WIDTH OF ALL POINTS OF INGRESS OR EGRESS.
- WHEN NECESSARY, VEHICLES SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO A PUBLIC ROADWAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE WITH DRAINAGE FLOWING AWAY FROM BOTH THE STREET AND THE STABILIZED ENTRANCE. ALL SEDIMENT SHALL BE PREVENTED FROM ENTERING ANY STORM DRAIN, DITCH OR WATERCOURSE USING APPROVED METHODS.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PERIODIC TRACKING OR FLOWING OF SEDIMENT ONTO PAVED SURFACES. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PAVED SURFACES MUST BE REMOVED IMMEDIATELY.
- THE ENTRANCE MUST BE PROPERLY GRADED OR INCORPORATE A DRAINAGE SWALE TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.



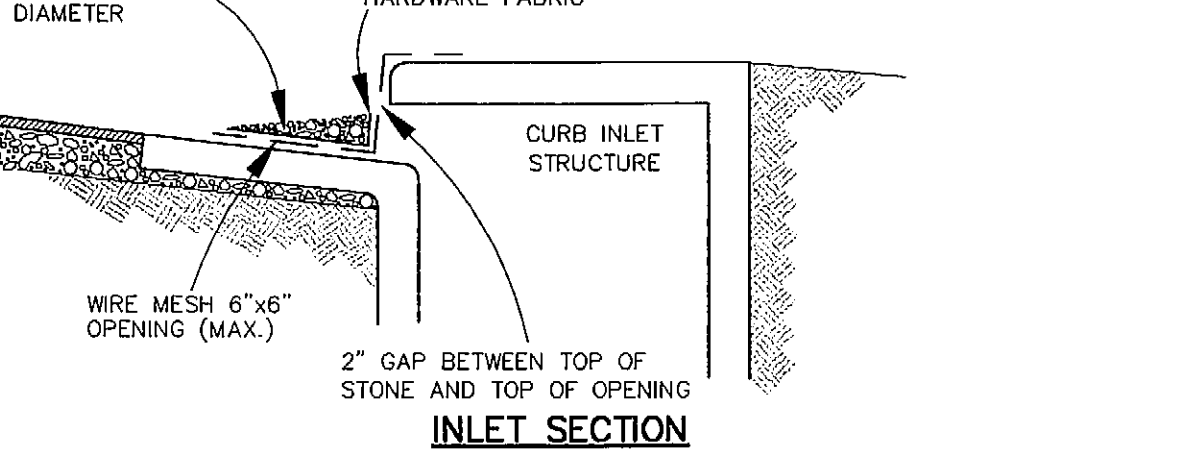
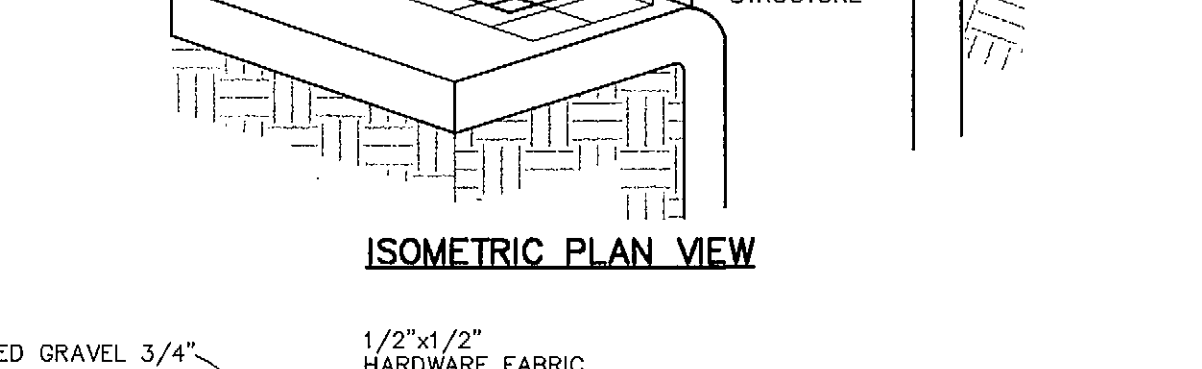
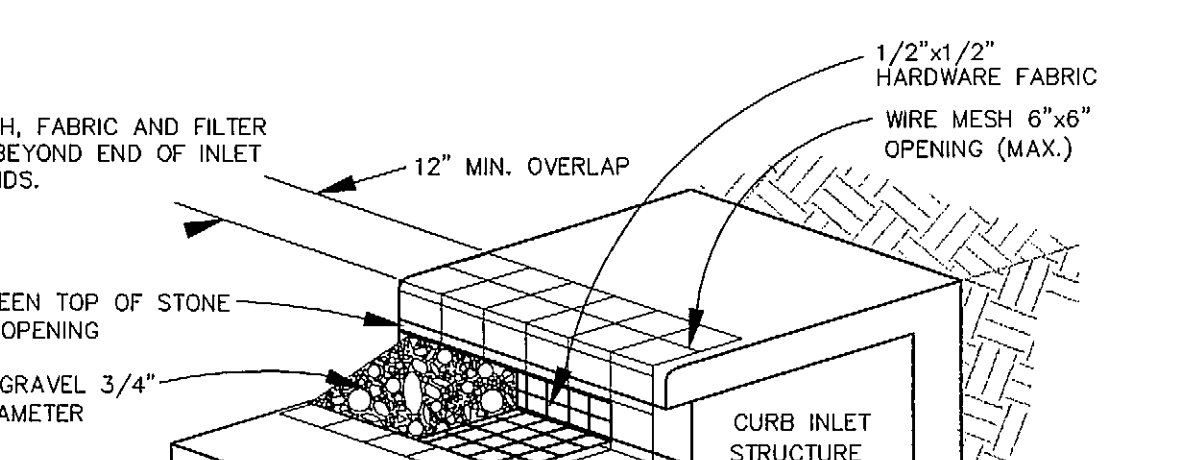
SECTION A - A



03
C4.02 **ROCK CHECK DAM**
NOT TO SCALE

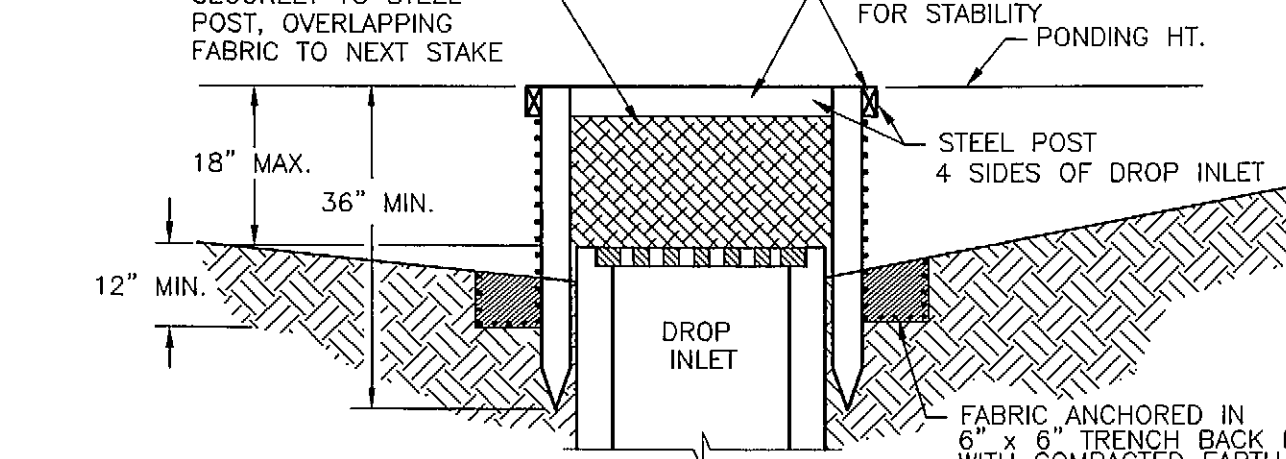
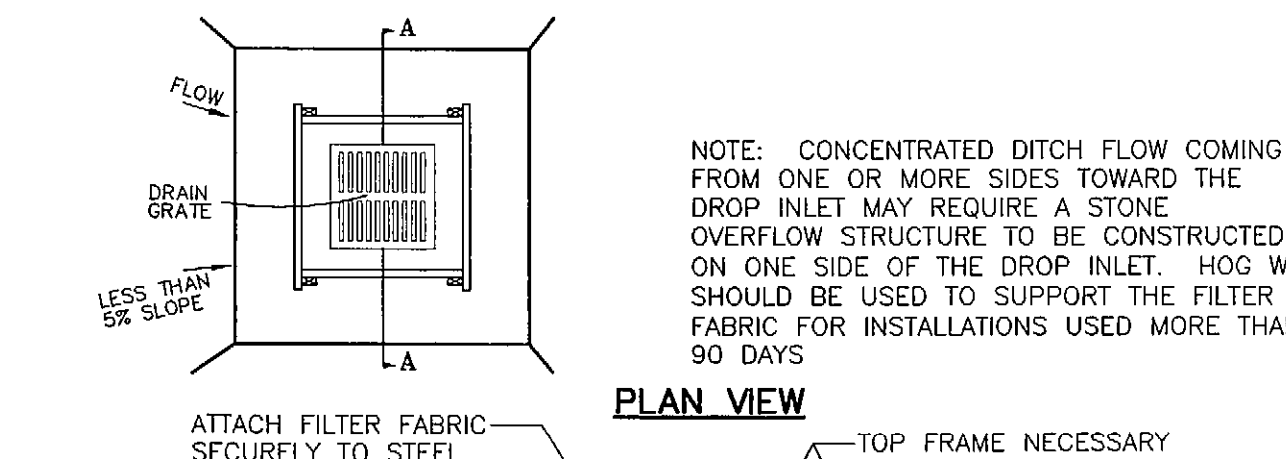


04
C4.02 **PIPE INLET PROTECTION**
NOT TO SCALE

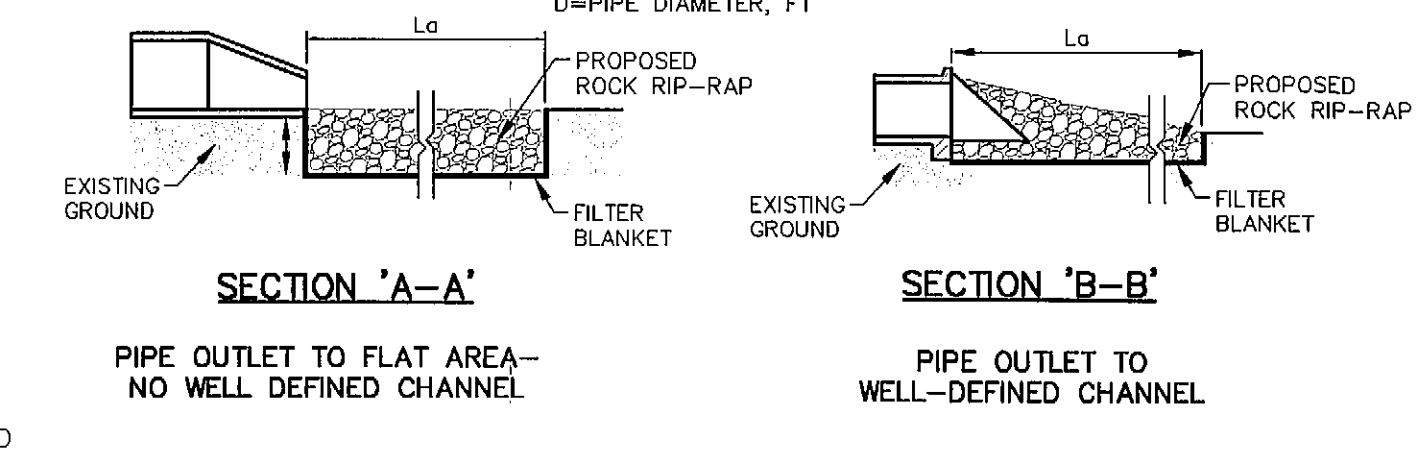
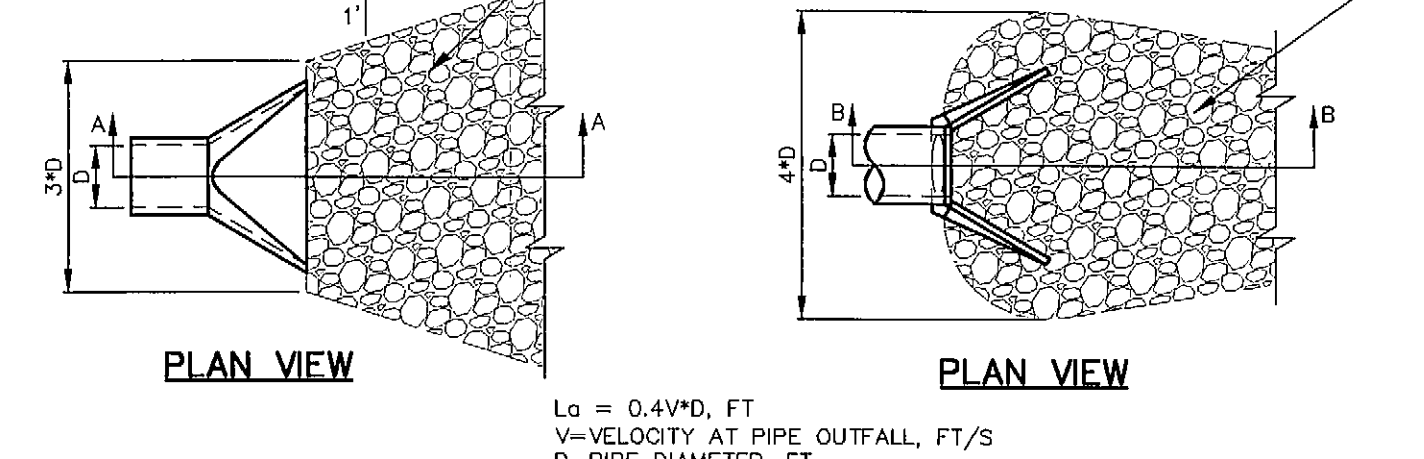
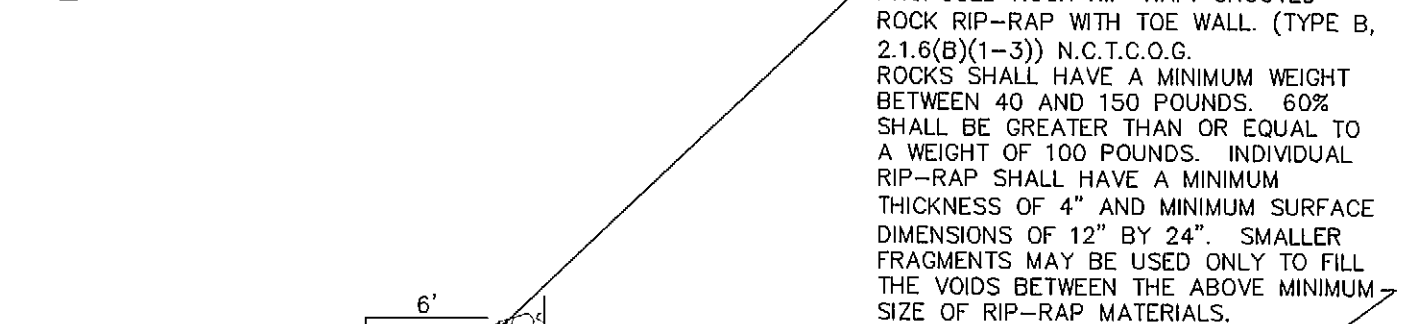


05
C4.02 **CURB INLET PROTECTION**
NOT TO SCALE

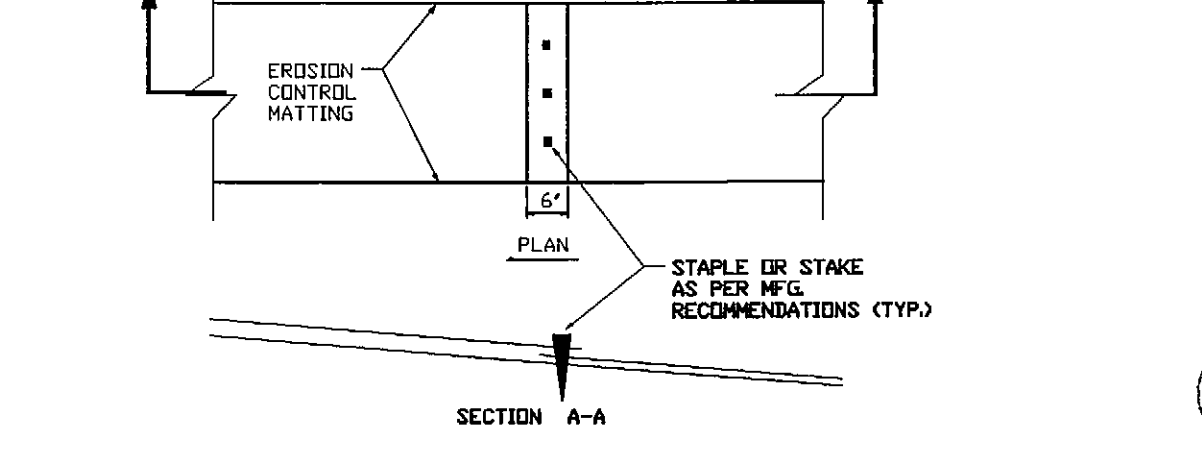
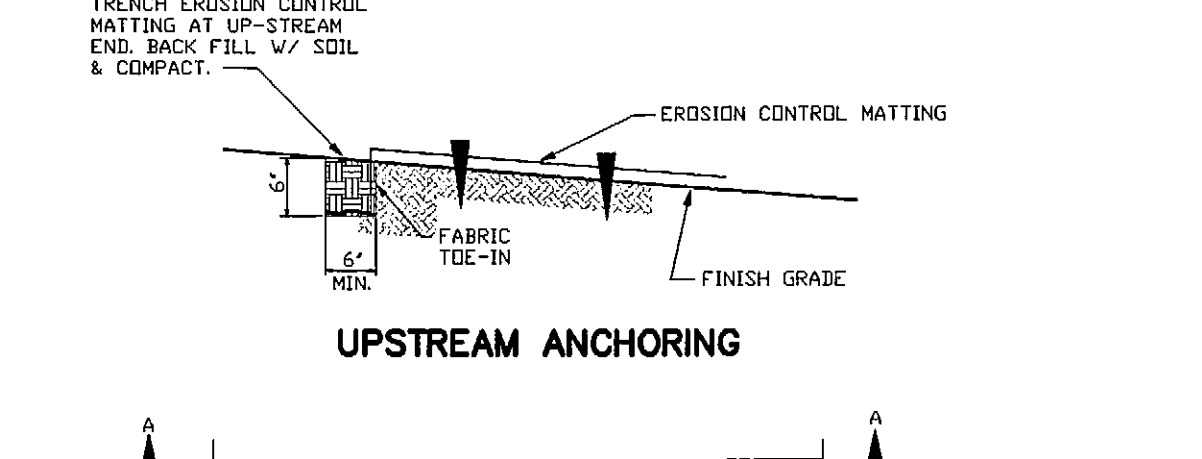
- ROCK CHECK DAM NOTES:**
- CHECK DAMS ARE NOT TO BE USED IN LIVE STREAMS.
 - DAM SPACING SHALL PROVIDE THAT THE TOE OF THE UPSTREAM DAM IS NEVER HIGHER THAN THE TOP OF THE DOWNSTREAM DAM.
 - THE CENTER OF THE DAM MUST BE 6 INCHES TO 9 INCHES LOWER THAN EITHER EDGE, AND MAXIMUM HEIGHT OF THE DAM SHOULD NOT EXCEED 24 INCHES.
 - THE CHECK DAM SHOULD BE AS MUCH AS 18 INCHES WIDER THAN BANKS OF THE CHANNEL TO PREVENT UNDERCUTTING AS OVERFLOW WATER REENTERING THE CHANNEL.
 - PROVIDE OUTLET STABILIZATION BELOW THE LOWEST CHECK DAM WHERE THE RISK OF EROSION IS THE GREATEST.



06
C4.02 **DROP INLET PROTECTION**
NOT TO SCALE



07
C4.02 **TYPICAL ROCK OUTLET PROTECTION DETAIL**
NOT TO SCALE



08
C4.02 **EROSION CONTROL MATTING**
NOT TO SCALE

SOLID WASTE MANAGEMENT

DESCRIPTION: LARGE VOLUMES OF SOLID WASTE ARE OFTEN GENERATED AT CONSTRUCTION SITES INCLUDING: PACKAGING, PALETS, WOOD WASTE, CONCRETE WASTE, SOIL, ELECTRICAL WIRING, CUTTINGS, AND A VARIETY OF OTHER MATERIALS. THE SOLID WASTE MANAGEMENT PRACTICES LISTED HEREIN TO MINIMIZE THE POTENTIAL OF STORM WATER CONTAMINATION FROM SOLID WASTE THROUGH APPROPRIATE STORAGE AND DISPOSAL PROCEDURES.

PRIMARY USE: THESE PRACTICES SHOULD BE A PART OF ALL CONSTRUCTION PRACTICES. BY LIMITING THE TRASH AND DEBRIS ON SITE, STORM WATER QUALITY IS IMPROVED ALONG WITH REDUCED CLEAN UP REQUIREMENTS AT THE COMPLETION OF THE PROJECT.

APPLICATIONS: THE SOLID WASTE MANAGEMENT PRACTICES FOR CONSTRUCTION SITES IS BASED ON PROPER STORAGE AND DISPOSAL PRACTICES BY CONSTRUCTION WORKERS AND SUPERVISORS. KEY ELEMENTS OF THE PROGRAM ARE EDUCATION AND MODIFICATION OF IMPROPER DISPOSAL HABITS. COOPERATION AND VOLUNTARILY REQUIRED ON THE PART OF SUPERVISORS AND WORKERS TO ENSURE THAT THE RECOMMENDATIONS AND PROCEDURES ARE FOLLOWED, FOLLOWING ARE THE BEST DESCRIBING THE TARGETED MATERIALS AND RECOMMENDED PROCEDURES:

- TARGETED SOLID WASTE MATERIALS: PAPER AND CARDBOARD CONTAINERS, PLASTIC PACKAGING AND FORMS, STYROFOAM PACKING AND FORMS, INSULATION MATERIALS (NON-HAZARDOUS) ROOF PALETS, WOOD CUTTINGS, PIPE AND ELECTRICAL CUTTINGS, CONCRETE, BRICK, AND MORTAR WASTE, SHINGLE CUTTINGS AND WASTE, COOSING TAR, STEEL CUTTINGS, NAILS, RUST RESIDUE) GYPSUM BOARD CUTTINGS AND WASTE SHEETING CUTTINGS AND WASTE MISCELLANEOUS CUTTINGS AND WASTE FOOD WASTE GEMULSION WASTE
- STORAGE PROCEDURES:
 - WHENEVER POSSIBLE, MINIMIZE PRODUCTION OF SOLID WASTE MATERIALS.
 - DESIGNATE A FOREMAN OR SUPERVISOR TO OVERSEE AND ENFORCE PROPER SOLID WASTE PROCEDURES.
 - RESTRICT CONSTRUCTION WORKERS TO PROPER SOLID WASTE PROCEDURES.
 - SEGREGATE POTENTIALLY HAZARDOUS WASTE FROM NON-HAZARDOUS CONSTRUCTION SITE DEBRIS.
 - KEEP SOLID WASTE MATERIALS UNDER COVER IN EITHER A CLOSED DUMPSTER OR OTHER ENCLOSED TRASH CONTAINER THAT LINES CONTACT WITH RAIN AND RUNOFF.
 - STORE WASTE MATERIALS AWAY FROM DRAINAGE DITCHES, SWALES AND CATCH BASINS.
 - DO NOT ALLOW TRASH CONTAINERS TO OVERFLOW.
 - DO NOT ALLOW WASTE MATERIALS TO ACCUMULATE ON THE GROUND.
 - PROHIBIT LITTERING BY WORKERS AND VISITORS.
 - POSTICE AREA ONLY FOR LITTER AND DEBRIS.
 - ENFORCE SOLID WASTE HANDLING AND STORAGE PROCEDURES.
- DISPOSAL PROCEDURES:
 - IF FEASIBLE, SEGREGATE RECYCLABLE WASTES FROM NON-RECYCLABLE WASTE MATERIALS AND DISPOSE OF PROPERLY.
 - GENERAL CONSTRUCTION DEBRIS MAY BE HAULED TO A LICENSED CONSTRUCTION DEBRIS LANDFILL (TYPICALLY LESS EXPENSIVE THAN A SANITARY LANDFILL).
 - USE WASTE FACILITIES APPROVED BY LOCAL JURISDICTION.
 - RUNOFF WHICH COMES INTO CONTACT WITH UNPROTECTED WASTE SHALL BE DIRECTED INTO STRUCTURAL TREATMENT SUCH AS SILT FENCE TO REMOVE DEBRIS.
- EDUCATION:
 - EDUCATE ALL WORKERS ON SOLID WASTE STORAGE AND DISPOSAL PROCEDURES.
 - RESTRICT WORKERS TO IDENTIFICATION OF SOLID WASTE AND HAZARDOUS WASTE.
 - HAVE REGULAR MEETINGS TO DISCUSS AND REINFORCE DISPOSAL PROCEDURES (INCORPORATE IN REGULAR SAFETY SEMINARS).
 - CLEARLY MARK ON ALL SOLID WASTE CONTAINERS WHICH MATERIALS ARE ACCEPTABLE.
- QUALITY CONTROL:
 - FOREMAN AND/OR CONSTRUCTION SUPERVISOR SHALL MONITOR ON-SITE SOLID WASTE STORAGE AND DISPOSAL PROCEDURES.
 - DISCIPLINE WORKERS WHO REPEATEDLY VIOLATE PROCEDURES.
- REQUIREMENTS:
 - JOB-SITE WASTE HANDLING AND DISPOSAL EDUCATION AND AWARENESS PROGRAM.
 - COMMITMENT BY MANAGEMENT TO IMPLEMENT AND ENFORCE SOLID WASTE MANAGEMENT PROGRAM.
 - COMPLIANCE BY WORKERS.
 - SUFFICIENT AND APPROPRIATE WASTE STORAGE CONTAINERS.
 - DAILY REMOVAL OF STORED SOLID WASTE MATERIALS.
 - POSSIBLE MODICUM COST IMPACT FOR ADDITIONAL WASTE STORAGE CONTAINERS.
 - MINIMAL OVERALL COST IMPACT.
- LIMITATIONS: ONLY ADDRESSES NON-HAZARDOUS SOLID WASTE. ONE PART OF A COMPREHENSIVE CONSTRUCTION SITE WASTE MANAGEMENT PROGRAM.

CONCRETE WASTE MANAGEMENT

DESCRIPTION: CONCRETE WASTE AT CONSTRUCTION SITES COMES IN TWO FORMS: EXCESS FRESH CONCRETE MIX INCLUDING TRUCK AND EQUIPMENT WASHING, AND 2) CONCRETE DUST AND CONCRETE DEBRIS RESULTING FROM DEMOLITION. BOTH FORMS HAVE THE POTENTIAL TO IMPACT WATER QUALITY THROUGH STORM WATER RUNOFF CONTACT WITH THE WASTE.

PRIMARY USE: IS PRESENT AT MOST CONSTRUCTION SITES. THIS BMP SHOULD BE UTILIZED AT SITES IN WHICH CONCRETE WASTE IS PRESENT.

APPLICATIONS: A NUMBER OF WATER QUALITY PARAMETERS CAN BE AFFECTED BY INTRODUCTION OF CONCRETE - ESPECIALLY FRESH CONCRETE. CONCRETE AFFECTS THE PH OF RUNOFF, CAUSING SIGNIFICANT CHEMICAL CHANGES IN WATER BODIES AND HARMING AQUATIC LIFE. SUSPENDED SOLIDS IN THE FORM OF BOTH CEMENT AND AGGREGATE DUST ARE ALSO GENERATED FROM BOTH FRESH AND DEMOLISHED CONCRETE WASTE.

CURRENT UNACCEPTABLE WASTE CONCRETE DISPOSAL PRACTICES:

- DUMPING IN PAVED AREAS ON THE JOB-SITE.
- LICIT DUMPING OFF-SITE.
- DUMPING INTO DITCHES OR DRAINAGE FACILITIES.

RECOMMENDED DISPOSAL PRACTICES:

- AVOID UNACCEPTABLE DISPOSAL PRACTICES LISTED ABOVE.
- DEVELOP PREDETERMINED, SAFE CONCRETE DISPOSAL AREAS.
- PROVIDE A WASHOUT AREA WITH A MINIMUM OF 6 CUBIC FEET OF CONTAINMENT AREA VOLING FOR EVERY 10 CUBIC YARDS OF CONCRETE POURED.
- NEVER DUMP WASTE CONCRETE ILLEGITLY OR WITHOUT PROPERTY OWNERS CONSENT.
- TREAT RUNOFF FROM STORAGE AREAS THROUGH THE USE OF STRUCTURAL CONTROLS AS REQUIRED.

EDUCATION:

- DRIVERS AND EQUIPMENT OPERATORS SHOULD BE INSTRUCTED ON PROPER DISPOSAL AND EQUIPMENT WASHING PRACTICES (SEE ABOVE).
- SUPERVISORS MUST BE MADE AWARE OF THE POTENTIAL ENVIRONMENTAL CONSEQUENCES OF IMPROPERLY HANDLED CONCRETE WASTE.

ENFORCEMENT:

- THE CONSTRUCTION SITE MANAGER OR FOREMAN MUST ENSURE THAT EMPLOYEES AND PREMIA COMPANIES FOLLOW PROPER PROCEDURES FOR CONCRETE DISPOSAL AND EQUIPMENT WASHING.
- EMPLOYEES VIOLATING DISPOSAL OR EQUIPMENT CLEANING DIRECTIVES MUST BE REDUCED OR DISCIPLINED IF NECESSARY.

DEMOLITION PRACTICES:

- MONITOR WEATHER AND WIND DIRECTION TO ENSURE CONCRETE DUST IS NOT ENTERING DRAINAGE STRUCTURES AND SURFACE WATERS.
- WHERE APPROPRIATE, CONSTRUCT SEDIMENT TRAPS OR OTHER TYPES OF SEDIMENT DETENTION DEVICES DOWNSTREAM OF DEMOLITION ACTIVITIES.

REQUIREMENTS:

- USE PREDETERMINED DISPOSAL SITES FOR WASTE CONCRETE.
- CONCRETE DISPOSAL AREAS MUST BE LOCATED ANYWHERE BUT PREDETERMINED AREAS.
- ASSIGN PREDETERMINED TRUCK AND EQUIPMENT WASHING AREAS.
- EDUCATE DRIVERS AND OPERATORS ON PROPER DISPOSAL AND EQUIPMENT CLEANING PROCEDURES.

EDUCATION:

- MINIMAL COST IMPACT FOR TRAINING AND MONITORING.
- CONCRETE DISPOSAL COSTS DEPEND ON AVAILABILITY AND DISTANCE TO SUITABLE DISPOSAL AREAS.
- ADDITIONAL COSTS INVOLVED IN EQUIPMENT WASHING COULD BE SIGNIFICANT.

LIMITATIONS: THIS CONCRETE WASTE MANAGEMENT PROGRAM IS ONE PART OF A COMPREHENSIVE CONSTRUCTION SITE WASTE MANAGEMENT PROGRAM.

RECORD DRAWINGS:

IT WAS THE INTENT THAT THE IMPROVEMENTS SHOWN BE CONSTRUCTED ACCORDING TO THESE PLANS AS APPROVED BY THE CITY. THE LINES AND GRADES WERE SET ON THE GROUND FOR CONSTRUCTION ACCORDING TO SAID PLANS. THE CITY INSPECTED THE CONSTRUCTION. THE ENGINEER DID NOT VERIFY LINES OR GRADES AFTER CONSTRUCTION. WE ARE NOT AWARE OF ANY CHANGES OR REVISIONS TO THESE PLANS DURING CONSTRUCTION OTHER THAN THOSE SHOWN.

RANDALL P. POGUE, P.E. DATE: FEBRUARY 25, 2008
TX LIC. NO. 84780

POLLUTION CONTROL GENERAL NOTES:

- THIS PLAN HAS BEEN PREPARED TO PROVIDE MEANS TO PREVENT OR MINIMIZE POLLUTION OF STORM WATER.
- THIS PROJECT CONSISTS OF THE DEVELOPMENT OF 1 LOT ON A 10.19 ACRE TRACT FOR A LIGHT INDUSTRIAL USE.
- THE CONSTRUCTION ACTIVITY INCLUDED IN THIS PLAN WILL INCLUDE:
 - A. CLEARING AND GRUBBING
 - B. STUMP PILING
 - C. ROUGH GRADING
 - D. UTILITY INSTALLATION/EXCAVATION OF TRENCHES
 - E. FINAL OR FINISH GRADING
 - F. PAVEMENT INSTALLATION
 - G. BUILDING CONSTRUCTION
 - H. PREPARATION OF SEEDING OR PLANTING
- BEST MANAGEMENT PRACTICES (STRUCTURAL PRACTICES) USED ON THIS PROJECT COULD INCLUDE: SILT FENCING, CONSTRUCTION ENTRANCE, INLET PROTECTION, OUTLET PROTECTION, SUBSURFACE DRAINS, CHECK DAMS, DRAINAGE SWALES, SEDIMENT TRAPS, EARTH DIKE, PIPE SLOPE DRAINS, EROSION CONTROL MATTING, DETENTION/RETENTION PONDS AND SEDIMENT BASINS.
- THE TOTAL ESTIMATED SITE AREA IS 10.19 ACRES. THE TOTAL ESTIMATED SITE AREA TO BE DISTURBED IS 8.43 ACRES. THE TOTAL ESTIMATED SITE AREA NOT TO BE DISTURBED IS 1.76 ACRES.
- THE ESTIMATED RUNOFF COEFFICIENT PRIOR TO DEVELOPMENT OF THE PROJECT IS 0.35.
- THE ESTIMATED RUNOFF COEFFICIENT UPON COMPLETION OF THE PROJECT IS 0.90.
- SLOPES EXPECTED ON THE SITE UPON COMPLETION OF FINAL GRADING WILL RANGE BETWEEN 1% TO 30%.
- THE STORM WATER EXITING THE SITE IS COLLECTED IN AN EXISTING DRAINAGE SYSTEM MAINTAINED BY THE CITY OF ROCKWALL, TEXAS.
- THE NAME OF THE RECEIVING WATER BODY IS LAKE RAY HUBBARD, LOCATED APPROXIMATELY 14,800 FEET FROM THE SUBJECT PROPERTY.
- THE SOILS PRESENT AT THE SITE ARE GENERALLY EXPANSIVE CLAYS.
- THE CONTRACTOR SHALL PROTECT EROSION PROTECTION AROUND THE WORK AREA PERIMETER AND AT ALL INLET MOUTHS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL REMOVE ALL EXCESS SOIL FROM CONSTRUCTION VEHICLES PRIOR TO EXITING THE SITE.
- ALL DISTURBED AREAS WHICH WILL NOT BE RE-DISTURBED FOR A MINIMUM OF 14 DAYS MUST BE STABILIZED BY THE CONTRACTOR TO CONTROL EROSION.
- THE CONTRACTOR SHALL UNDERTAKE PROPER METHODS TO REDUCE DUST GENERATION FROM THE SITE.
- THE CONTRACTOR MUST COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS REGARDING SEDIMENT AND EROSION CONTROL.
- A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN ALONG WITH THE EPA (NPDES) PERMIT MUST BE POSTED AT THE CONSTRUCTION SITE THROUGHOUT THE CONSTRUCTION OF THE PROJECT. IF THE PERMIT HAS NOT BEEN ISSUED, A COPY OF NOTICE OF INTENT (NOI) SHALL BE POSTED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTAL OF THE EPA'S REQUIREMENT OF A NOTICE OF INTENT (NOI) AND THE NOTICE OF TERMINATION (NOT) AND ANY ADDITIONAL REQUIREMENT PER THE EPA GUIDELINES FOR STORM WATER POLLUTION PREVENTION.
- ALL EROSION CONTROL DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS FOR THIS PROJECT. CHANGES ARE TO BE APPROVED BEFORE CONSTRUCTION BY THE DESIGN ENGINEER AND THE CITY.
- IF OFF-SITE SOIL BORROW OR SOIL SITES ARE USED IN CONJUNCTION WITH THIS PROJECT, THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR AND BE RESPONSIBLE FOR CONTROL REQUIREMENTS AS PER FEDERAL, STATE AND LOCAL REQUIREMENTS.
- INSPECTIONS SHALL BE MADE WEEKLY AND AFTER RAIN STORM EVENTS TO INSURE THAT THE DEVICES ARE FUNCTIONING PROPERLY. WHEN SEDIMENT OR MUD HAS CLOGGED THE VOID SPACES BETWEEN STONES OR WASH DOWN OR REPLACED. RUNOFF FROM THE WASH DOWN OPERATION SHALL NOT BE ALLOWED TO DRAIN DIRECTLY OFF-SITE WITHOUT FIRST FLOWING THROUGH ANOTHER BEST MANAGEMENT PRACTICE (BMP) TO CONTROL OFF-SITE SEDIMENTATION. PERIODIC RE-GRADING OR THE ADDITION OF NEW STONE MAY BE REQUIRED TO MAINTAIN EFFICIENCY OF THE INSTALLATION.
- MAINTENANCE AND INSPECTIONS PROCEDURES: CONTROL MEASURES SHALL BE INSPECTED AT LEAST ONCE A WEEK OR WITHIN 24 HOURS OF ANY STORM EVENT OF 0.5 INCHES OR GREATER. IF REPAIR IS NECESSARY IT SHALL BE DONE AT THE EARLIEST PRACTICAL DATE BUT IN NO CASE GREATER THAN 48 HOURS.
- FINAL STABILIZATION IS DEFINED AS A UNIFORM PERENNIAL VEGETATIVE COVER AT A MINIMUM OF 70% RESTORATION OF THE NATIVE OR NATURAL PREEXISTING BACKGROUND COVER FOR THE AREA.
- CONTRACTOR SHALL SEED ALL DISTURBED AREAS IMMEDIATELY UPON COMPLETION OF FINAL GRADING.
- NO PUBLIC ACCEPTANCE UNTIL (FINAL STABILIZATION) VEGETATION IS ESTABLISHED ON ALL DISTURBED AREAS.

SEQUENCE OF EROSION CONTROL BEST MANAGEMENT PRACTICES:

- INSTALL DOWN SLOPE AND SIDE SLOPE PERIMETER CONTROLS PRIOR TO THE LAND DISTURBING ACTIVITIES.
- DO NOT DISTURB AN AREA UNTIL IT IS NECESSARY FOR CONSTRUCTION TO PROCEED.
- COVER AND STABILIZE DISTURBED AREAS AS SOON AS POSSIBLE (WITHIN A MAXIMUM OF 14 DAYS).
- TIME ACTIVITIES TO LIMIT IMPACT FROM SEASONAL CLIMATE CHANGES OR WEATHER EVENTS.
- DELAY CONSTRUCTION OF INFILTRATION MEASURES UNTIL THE END OF THE CONSTRUCTION PROJECT, WHEN UPSTREAM DRAINAGE AREAS HAVE BEEN STABILIZED.
- DO NOT REMOVE TEMPORARY PERIMETER CONTROLS UNTIL AFTER ALL UPSTREAM AREAS ARE FINAL STABILIZED.

ALLOWABLE NON-STORM WATER DISCHARGES

- DISCHARGES FROM FIRE FIGHTING ACTIVITIES.
- FIRE HYDRANT FLUSHINGS.
- WATER USED TO WASH VEHICLES OR CONTROL DUST.
- POTABLE WATER SOURCES (INCLUDING WATERLINE FLUSHINGS CONTAINING LESS THAN 1000 GALONS).
- UNCONTAMINATED GROUND WATER (INCLUDING DEWATERING GROUNDWATER INFILTRATION).
- FOUNDATION OR FOOTING DRAINS WHERE FLOWS ARE NOT CONTAMINATED WITH PROCESS MATERIALS SUCH AS SOLVENTS.
- SPRINKLER, REPAIRMAN HABITATS, WETLANDS AND UNCONTAMINATED GROUNDWATER.
- IRRIGATION WATER.
- EXTERIOR BUILDING WASH DOWN UNCONTAMINATED DETERGENTS.
- PAVEMENT WASH WATER WHERE SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE NOT OCCURRED (UNLESS ALL SPILL MATERIAL HAS BEEN REMOVED) AND WHERE DETERGENTS ARE NOT USED.
- AIR CONDITIONING CONDENSATE.
- HEAVILY CHLORINATED WATER (3.5 MG/L OR GREATER FREE CHLORINE) RESULTING FROM WATER LINE STERILIZATION WHICH MUST BE DIRECTED UNDER PERMIT TO THE SANITARY SEWER UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL APPLY TO THE ENGINEERING DEPARTMENT FOR A SANITARY SEWER DISCHARGE PERMIT AFTER THE MANDATORY CHLORINE RETENTION TIME (USUALLY 24 HOURS). THE HEAVILY CHLORINATED WATER MAY BE DISCHARGED TO THE SANITARY SEWER, BEGINNING TWO WORKING DAYS AFTER PERMIT APPLICATION.

SPILLS AND RELEASES: (OF REPORTABLE QUANTITIES) THE FOLLOWING STEPS SHALL BE TAKEN

- NOTIFY THE NATIONAL RESPONSE CENTER (800) 424-8802 OR (202) 426-2675 AS SOON AS YOU HAVE KNOWLEDGE OF THE SPILL.
- THE SWPPP MUST BE MODIFIED WITHIN 14 DAYS TO PROVIDE A DESCRIPTION OF THE RELEASE, THE CIRCUMSTANCES LEADING TO THE RELEASE AND THE DATE OF THE RELEASE.

EROSION CONTROL DETAILS (SWPPP)

SPR PACKAGING
BLOCK A, LOT 1, SPR PACKAGING ADDITION
NWC OF INDUSTRIAL BLVD. @ JUSTIN ROAD
CITY OF ROCKWALL, TEXAS

APPLICATIONS

PERIMETER CONTROL	● SEDIMENT
SLOPE PROTECTION	● NUTRIENTS
SEDIMENT TRAPPING	● TOXIC MATERIALS
CHANNEL PROTECTION	● OIL & GREASE
TEMPORARY STABILIZATION	● FLOATABLE MATERIALS
PERMANENT STABILIZATION	● OTHER CONSTRUCTION WASTES
Waste Management Housekeeping Practices	
TARGETED CONSTITUENTS	LEGEND
● SEDIMENT	● SIGNIFICANT IMPACT
● NUTRIENTS	● MEDIUM IMPACT
● TOXIC MATERIALS	● LOW IMPACT
● OIL & GREASE	● TRAINING
● FLOATABLE MATERIALS	● SUITABILITY FOR SLOPES > 5%
● OTHER CONSTRUCTION WASTES	● UNKNOWN OR QUESTIONABLE IMPACT
IMPLEMENTATION REQUIREMENTS	W-1
● CAPITAL COSTS	
● MAINTENANCE	
● TRAINING	
● SUITABILITY FOR SLOPES > 5%	
APPLICATIONS	
PERIMETER CONTROL	● SIGNIFICANT IMPACT
SLOPE PROTECTION	● MEDIUM IMPACT
SEDIMENT TRAPPING	● LOW IMPACT
CHANNEL PROTECTION	● TRAINING
TEMPORARY STABILIZATION	● SUITABILITY FOR SLOPES > 5%
PERMANENT STABILIZATION	● UNKNOWN OR QUESTIONABLE IMPACT
Waste Management Housekeeping Practices	
TARGETED CONSTITUENTS	LEGEND
● SEDIMENT	● SIGNIFICANT IMPACT
● NUTRIENTS	● MEDIUM IMPACT
● TOXIC MATERIALS	● LOW IMPACT
● OIL & GREASE	● TRAINING
● FLOATABLE MATERIALS	● SUITABILITY FOR SLOPES > 5%
● OTHER CONSTRUCTION WASTES	● UNKNOWN OR QUESTIONABLE IMPACT
IMPLEMENTATION REQUIREMENTS	W-3
● CAPITAL COSTS	
● MAINTENANCE	
● TRAINING	
● SUITABILITY FOR SLOPES > 5%	

02-25-08	RECORD DRAWINGS			
04-12-07	FIRE HYDRANT DETAILS REVISIONS			
03-12-07	CITY WATER MAIN RELOCATION			
02-26-07	SITE PLAN REVISIONS			
02-09-07	NORTHERNMOST ACCESS DRIVE & FIRE HYDRANT REVISIONS			
NO.	DATE	REVISION / DESCRIPTION		
DESIGN	DRAWN	DATE	SCALE	NOTES
RPP	BEC	01-29-2007	AS SHOWN	-

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THE WHITMORE MANUFACTURING COMPANY
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SPR VENTURE, INC.
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R.P.P. 1-29