

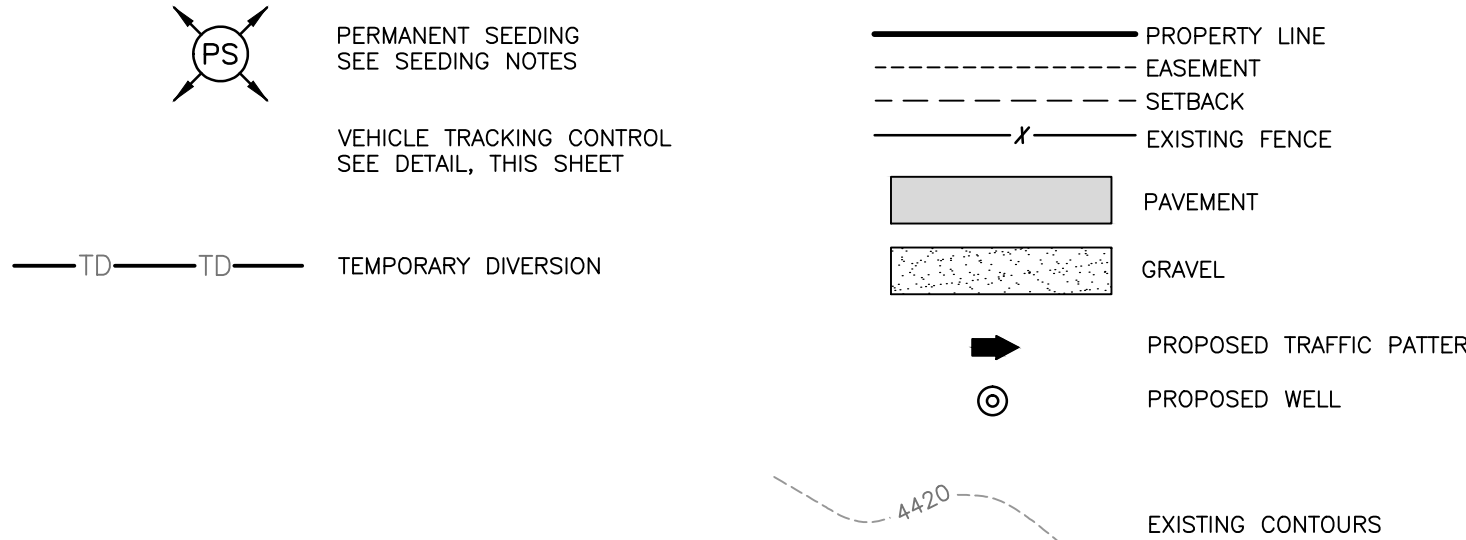
EROSION CONTROL NOTES

- THIS MAP HAS BEEN PROVIDED BY LAMP, RYNEARSON & ASSOCIATES AND IS A PORTION OF APPENDIX A OF THE STATE OF COLORADO GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY. THIS PLAN AS PROVIDED BY LAMP, RYNEARSON & ASSOCIATES SHALL BE CONSIDERED A BASE MAP FOR THE PERMIT HOLDER'S USE. IT IS THE RESPONSIBILITY OF THE PERMIT HOLDER TO UPDATE THE MAP TO INCLUDE GREATER DETAIL AS WELL AS ANY REVISIONS OR ADDITIONS AS REQUIRED BY THE STATE OF COLORADO GENERAL PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY.
- PERMIT HOLDER SHALL COORDINATE INSTALLATION OF ALL PERIMETER SEDIMENT AND EROSION CONTROL DEVICES, BEFORE COMMENCING ANY LAND CLEARING ACTIVITY. THE PERMIT HOLDER SHALL BE RESPONSIBLE FOR MAINTAINING THE INTEGRITY OF THE SEDIMENT AND EROSION CONTROL DEVICES THROUGHOUT THE CONSTRUCTION PROCESS AND UNTIL PERMANENT GROUND VEGETATION HAS BEEN ESTABLISHED TO STATE REQUIREMENTS.
- FOLLOWING THE PLACEMENT OF SILT FENCES (AS NEEDED) THE PERMIT HOLDER MAY BEGIN COORDINATION OF CLEARING AND GRUBBING OPERATIONS. THIS OPERATION DOES NOT INCLUDE TOPSOIL STRIPPING.
- THE PERMIT HOLDER SHALL LIMIT TOPSOIL STRIPPING OPERATIONS WITHIN THE AREAS IN WHICH THEY ARE IMMEDIATELY WORKING.
- THE PERMIT HOLDER SHALL COORDINATE TO FURROW THE SURFACE OR PROVIDE FOR EITHER TEMPORARY OR PERMANENT GROUND COVER WITHIN FOURTEEN (14) DAYS OF EXPOSING ANY AREA.
- THE PERMIT HOLDER SHALL BE RESPONSIBLE FOR MAINTENANCE OF ALL EROSION CONTROL DEVICES AND PRACTICES.
- THE PERMIT HOLDER IS RESPONSIBLE FOR REMOVING THE TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER COMPLETION OF CONSTRUCTION AND ONLY WHEN AREAS HAVE BEEN STABILIZED.
- ABOVE GROUND FUEL STORAGE NEEDED DURING CONSTRUCTION SHALL NOT EXCEED 1,100 GALLONS AND WILL REQUIRE REVIEW AND PERMIT FROM THE FIRE AUTHORITY. GRAVITY FED TANKS ARE PROHIBITED.
- ANY AREAS DISTURBED BY CONSTRUCTION WHERE ACTIVITIES HAVE CEASED FOR 30 DAYS OR MORE SHALL BE SEED TO CONTROL EROSION. SEE SEEDING NOTES.
- ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES MAY BE NEEDED IF UNFORESEEN PROBLEMS OCCUR OR IF THE SUBMITTED PLAN DOES NOT FUNCTION AS INTENDED. THE REQUIREMENTS OF THIS PLAN SHALL RUN WITH THE LAND AND BE THE OBLIGATION OF THE PERMIT HOLDER UNTIL SUCH TIME AS THE PLAN IS PROPERLY COMPLETED, MODIFIED, OR VOIDED.
- STORMWATER MANAGEMENT CONTROLS SHALL BE INSTALLED PER CITY OF GREELEY STANDARDS AND SPECIFICATIONS.

SEEDING NOTES

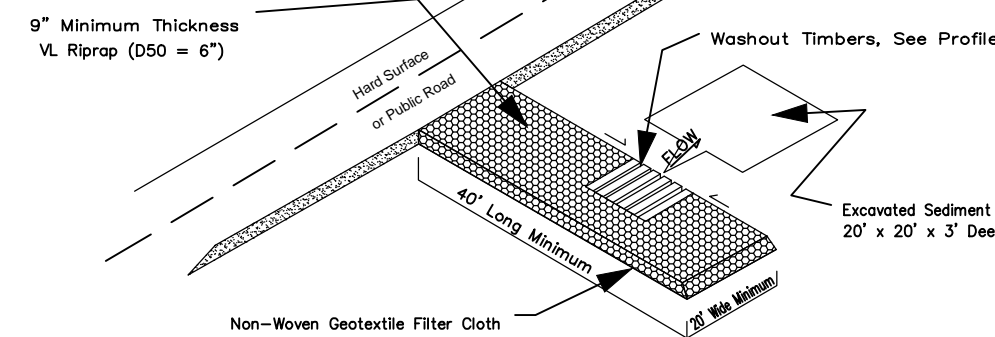
- NATIVE SEEDING SHALL BE "LOW GROW MIX" AS SPECIFIED IN TABLE 14.1.3.D(1) OF SECTION 14 "VEGETATION AND IRRIGATION" IN THE CITY OF GREELEY'S STORM DRAINAGE CRITERIA AND CONSTRUCTION SPECIFICATIONS.

LEGEND



VTC/WHEEL WASHOUT PLAN

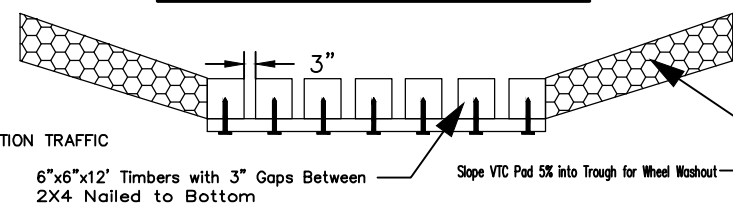
(VTC = VERTICAL TRACKING CONTROL)



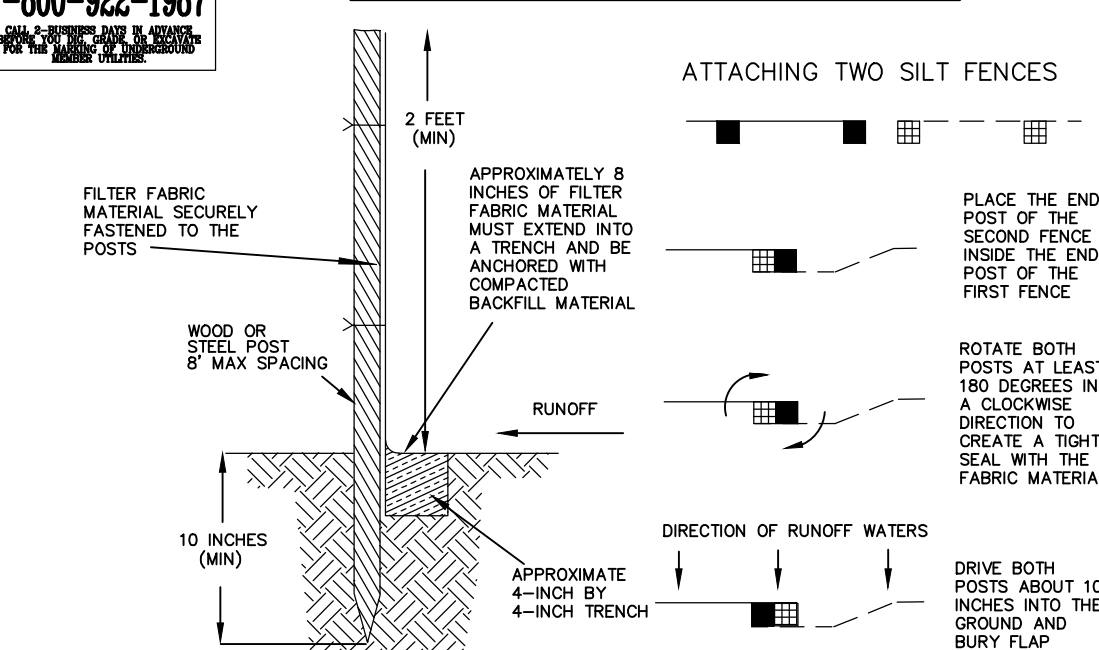
NOTES:

- CONTRACTOR TO SUPPLY WASH WATER
- WASHOUT BASIN TO BE ISOLATED FROM STORM SYSTEM
- VTC PAD RP RAP TO BE CLEANED OF MUD AFTER RAIN EVENTS
- PUBLIC ROADS TO BE CLEANED OF DEBRIS AT THE END OF EACH DAY'S WORK OR AFTER RAIN EVENTS, AS NEEDED.
- WHEEL WASHOUT TIMBERS REQUIRED ONLY ON EXIT SIDE OF PAD. SECURE TIMBER GAP WITH 2X4 NAILED TO BOTTOM OF TIMBERS EACH END
- VTC PAD TO BE DELINEATED TO ENSURE USE BY CONSTRUCTION TRAFFIC

WASHOUT PROFILE



SILT FENCE INSTALLATION



GENERAL EROSION CONTROL NOTES

CONTRACTOR SHALL INSTALL ALL PERIMETER SEDIMENT AND EROSION CONTROL DEVICES INCLUDING, BUT NOT LIMITED TO, SILT FENCE, INLET PROTECTION, VTC PAD, WHEEL WASHOUT, AND SEDIMENT BASINS BEFORE COMMENCING ANY LAND CLEARING OR GRADING ACTIVITIES. THE CONTRACTOR SHALL LIMIT TOPSOIL STRIPPING OPERATIONS TO WITHIN THE AREAS IN WHICH THEY WILL BE IMMEDIATELY WORKING. THE CONSTRUCTION OF UNDERGROUND UTILITIES SHALL BE INCLUDED AS A LAND DISTURBING ACTIVITY. ALL EXCAVATED MATERIAL SHALL BE PLACED WHERE SEDIMENT WILL ERODE BACK INTO THE TRENCH. ALL TRENCHES SHALL BE BACKFILLED BY THE END OF THE DAYS WORK. BACKFILL SHALL BE PERMANENTLY STABILIZED BEFORE CONSTRUCTION IS CONSIDERED COMPLETE.

ALL DISTURBED AREAS AND SOIL STOCKPILES SHALL BE ADEQUATELY STABILIZED AS DEFINED IN THE URBAN DRAINAGE FLOOD CONTROL DISTRICT (UDFCD), VOLUME 3, CONSTRUCTION BEST MANAGEMENT PRACTICES, SECTION 3.0 "EROSION CONTROL". ALL DISTURBED SOILS AND SOIL STOCKPILES SHALL BE WATERED AND MAINTAINED IN A ROUGHENED CONDITION AT ALL TIMES DURING CONSTRUCTION ACTIVITIES TO PREVENT WIND-CAUSED EROSION. ALL LAND DISTURBING ACTIVITIES WILL BE IMMEDIATELY DISCONTINUED WHEN FUGITIVE DUST IMPACTS ADJACENT PROPERTIES, AS DETERMINED BY CITY INSPECTOR. PERMANENT OR TEMPORARY NATIVE SEED (SEE SDDC MANUAL SECTION 14 FOR SEEDING SPECIFICATIONS) SOIL STABILIZATION SHALL BE REQUIRED WITHIN 7 DAYS AFTER FINAL GRADE IS REACHED. IF DISTURBED AREAS OR STOCKPILES ARE NOT BROUGHT TO FINAL GRADE WITHIN 30 DAYS FOLLOWING THE INITIAL DISTURBANCE, OR RE-DISTURBANCE, TEMPORARY STABILIZATION MEASURES SHALL BE REQUIRED. NO SOIL STOCKPILE SHALL EXCEED TEN (10) FEET IN HEIGHT. ALL SOIL STOCKPILE SIDE SLOPES SHALL NOT EXCEED A SLOPE OF 4V:1H.

ALL STORM SEWER INLETS SHALL BE PROTECTED FROM THE ENTRY OF SEDIMENT-LADEN WATER. HAY BALES ARE NOT RECOGNIZED BY THE CITY OF GREELEY AS AN ACCEPTABLE FORM OF EROSION CONTROL.

INSPECTION OF ALL EROSION AND SEDIMENT CONTROL BMP'S SHALL BE REQUIRED AT THE END OF EACH DAY'S WORK, WITH NECESSARY MAINTENANCE AND REPAIRS PROVIDED IMMEDIATELY. THE CITY OF GREELEY INSPECTOR SHALL, AT THEIR DISCRETION, REQUIRE ANY EROSION CONTROL DEVICES BE REPAIRED, REPLACED, RELOCATED, MODIFIED, OR REMOVED. SUCH REQUESTS SHALL BE COMPLETED WITHIN 5 WORKING DAYS FOLLOWING RECEIPT OF THE WRITTEN REQUEST FROM THE INSPECTOR. ALL PUBLIC RIGHT OF WAY POLLUTED WITH DIRT, MUD, OR DEBRIS SHALL BE SWEEPED CLEAN AT THE END OF EACH DAY'S WORK OR AFTER STORM EVENTS, AS NECESSARY. ALL TEMPORARY AND PERMIT EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED AS SOON AS THEIR FUNCTION HAS BEEN FULFILLED. SEDIMENT TRAPS/BASINS SHALL BE CLEANED AND REMOVED, OR STABILIZED, WHEN ALL UPSTREAM AREAS ARE PERMANENTLY STABILIZED. THE SITE CONTRACTOR IS RESPONSIBLE FOR PROPERLY DISPOSING OFF ALL SILT FROM THE SITE, IF IT IS NOT REUSABLE ON SITE.

THE LANDOWNER SHALL BE HELD RESPONSIBLE FOR THE LONG-TERM STABILITY OF CUT AND FILL SLOPES AND THE SUCCESSFUL ESTABLISHMENT OF PERMANENT VEGETATIVE COVER ON EXPOSED SOIL AS DEFINED IN THE UDFCD, VOLUME 3, CONSTRUCTION BEST MANAGEMENT PRACTICES, SECTION 3.2 "MULCHING".

ALL CONSTRUCTION SUPPLIES OR MATERIALS USED OR STORED ON SITE MUST BE DISPOSED OF PROPERLY AND MUST MEET ALL APPLICABLE MATERIAL SAFETY DATA SHEET CRITERIA.

THE STATE STORMWATER DISCHARGE PERMIT HOLDER MAY BE LIABLE FOR ANY VIOLATIONS RESULTING FROM THE ACTIONS TAKEN BY SITE CONTRACTORS, SUBCONTRACTORS, MAINTENANCE CREWS, ETC.

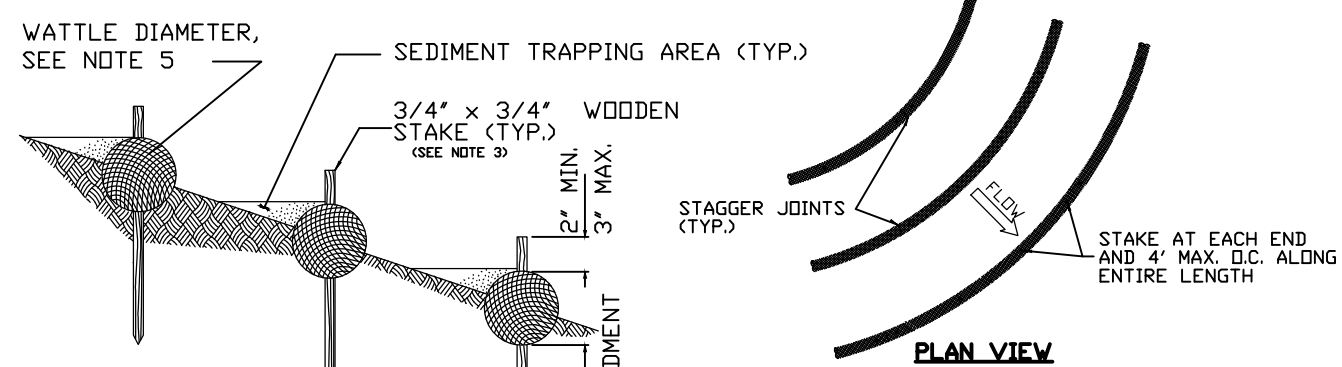
EROSION CONTROL STRUCTURES

DETAIL 12-1

DATE: MARCH 2007

SCALE: N.T.S.

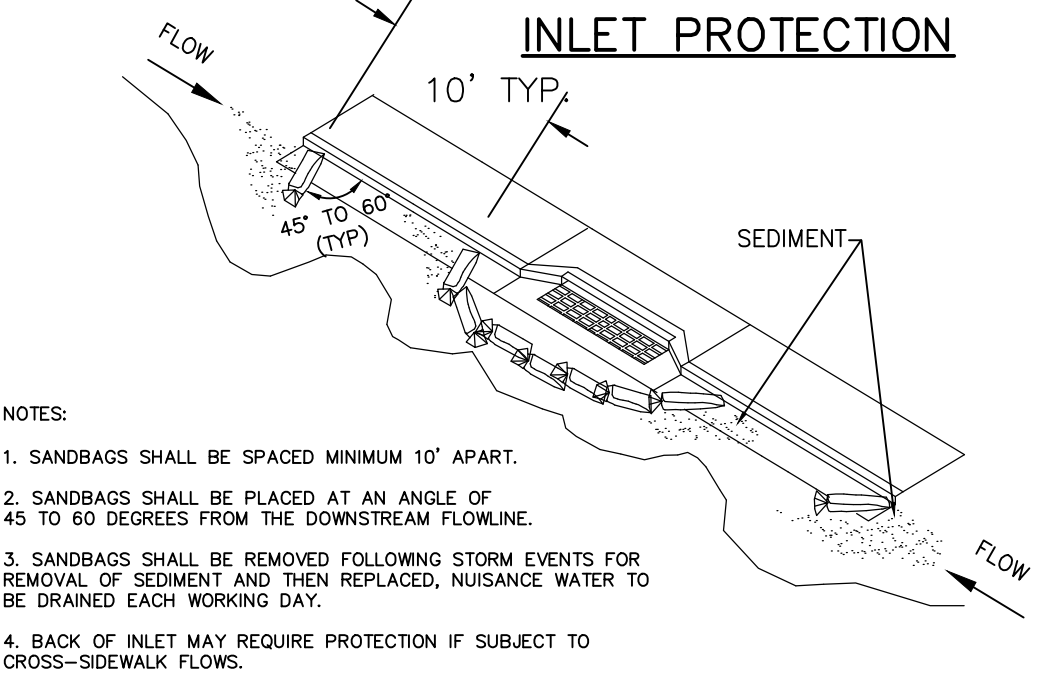
SLOPE AND SWALE PROTECTION



- NOTES:
- INSTALL WATTLES ALONG CONTOURS, FULL LENGTH OF SLOPE OR EXTENT OF SWALE.
 - WATTLES SHALL BE INSPECTED REGULARLY AND IMMEDIATELY AFTER A RUNOFF PRODUCING RAINFALL TO ENSURE THEY REMAIN THOROUGHLY ENTRENCHED AND IN CONTACT WITH THE SOIL.
 - LIVE STAKES MAY BE USED FOR PERMANENT INSTALLATIONS.
 - INSTALL WATTLES SNUGLY INTO THE TRENCH (4" DEEP). ABUT ADJACENT WATTLES TIGHTLY, END TO END, WITHOUT OVERLAPPING THE ENDS.
 - WATTLES TO BE 9" MIN DIAMETER FOR SLOPES, 12" MIN DIAMETER FOR SWALES.

WATTLE SPACING TABLE	
SLOPE TYPE	MAXIMUM SPACING
ALL SWALES	20 FEET
4:1 SLOPE OR >	40 FEET

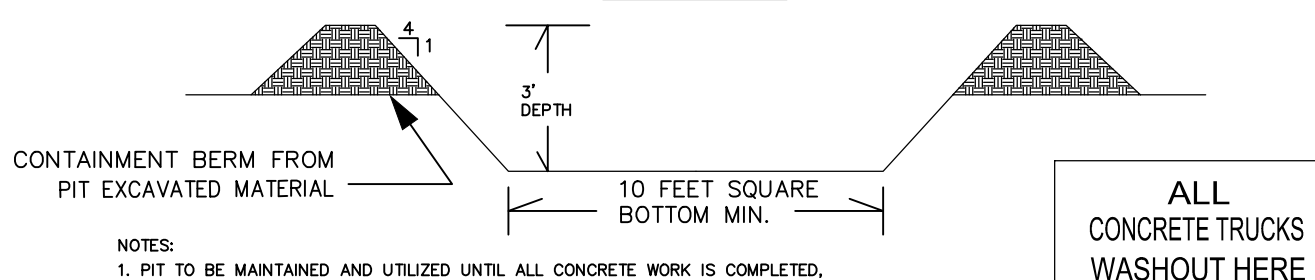
INLET PROTECTION



NOTES:

- SANDBAGS SHALL BE SPACED MINIMUM 10' APART.
- SANDBAGS SHALL BE PLACED AT AN ANGLE OF 45 TO 60 DEGREES FROM THE DOWNSTREAM FLOWLINE.
- SANDBAGS SHALL BE REMOVED FOLLOWING STORM EVENTS FOR REMOVAL OF SEDIMENT AND THEN REPLACED, NUISANCE WATER TO BE DRAINED EACH WORKING DAY.
- BACK OF INLET MAY REQUIRE PROTECTION IF SUBJECT TO CROSS-SIDEWALK FLOWS.

CONCRETE TRUCK WASHOUT PIT PROFILE



- NOTES:
- PIT TO BE MAINTAINED AND UTILIZED UNTIL ALL CONCRETE WORK IS COMPLETED, INCLUDING ALL FOUNDATION AND FLATWORK. RELOCATED PITS SHALL MEET THIS STANDARD.
 - PIT TO BE PERMANENTLY SIGNED TO ALERT DRIVERS OF ITS LOCATION
 - SET CONCRETE TO BE BROKEN UP AND DISPOSED OF PROPERLY OFF SITE PER LOCAL, STATE, AND FEDERAL LAWS.
 - WASHOUT PITS THAT ARE SEPARATED FROM A PAVED SURFACE MAY REQUIRE A VTC PAD TO PROTECT STREETS FROM TRACKING OF DIRT.

EROSION CONTROL STRUCTURES

DETAIL 12-2

DATE: MARCH 2007

SCALE: N.T.S.

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