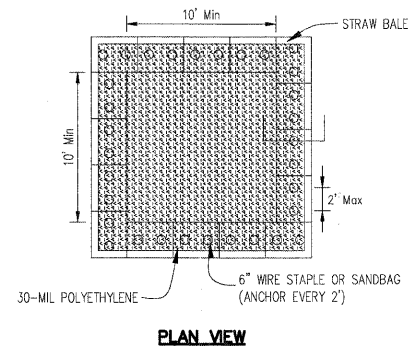
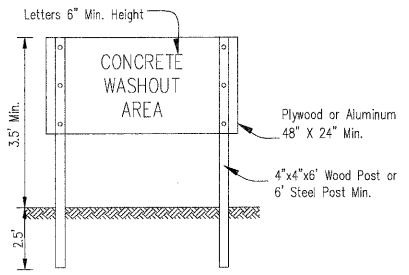


- NOTES:**
1. PIT DIMENSIONS ARE OPTIONAL.
 2. THE STANDPIPE WILL BE CONSTRUCTED BY PERFORATING A 12"-24" DIAMETER CORRUGATED METAL OR PVC PIPE.
 3. A BASE OF 2" AGGREGATE WILL BE PLACED IN THE PIT TO A MINIMUM DEPTH OF 12". AFTER INSTALLING THE STANDPIPE, THE PIT SURROUNDING THE STANDPIPE WILL THEN BE BACKFILLED WITH 2" AGGREGATE.
 4. THE STANDPIPE WILL EXTEND 12" TO 18" ABOVE THE LIP OF THE PIT.
 5. IF DISCHARGE WILL BE PUMPED DIRECTLY TO A STORM DRAINAGE SYSTEM, THE STANDPIPE WILL BE WRAPPED WITH FILTER FABRIC BEFORE INSTALLATION.
 6. IF DESIRED, 1/4"-1/2" HARDWARE CLOTH MAY BE PLACED AROUND THE STANDPIPE PRIOR TO ATTACHING THE FILTER FABRIC. THIS WILL INCREASE THE RATE OF WATER SEEPAGE INTO THE PIPE.

SUMP PIT PLAN

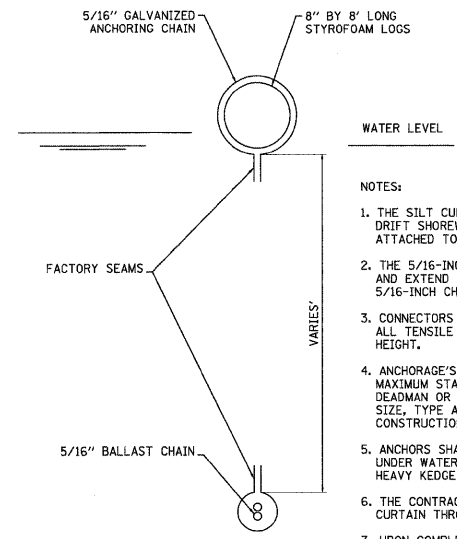


STRAW BALE ANCHOR SECTIONS



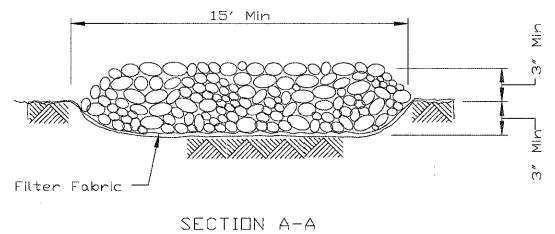
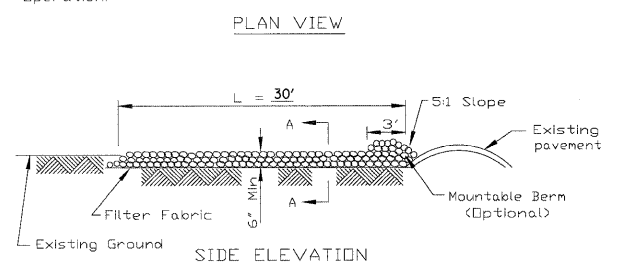
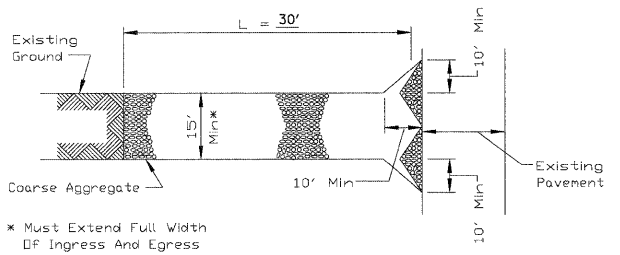
- NOTES:**
1. MAINTAINING TEMPORARY CONCRETE WASHOUT FACILITIES SHALL INCLUDE REMOVING AND DISPOSING OF HARDENED CONCRETE AND/OR SLURRY AND RETURNING THE FACILITIES TO A FUNCTIONAL CONDITION.
 2. FACILITY SHALL BE CLEANED OR RECONSTRUCTED IN A NEW AREA ONCE WASHOUT BECOMES TWO-THIRDS FULL.
 3. EACH STRAW BALE IS TO BE STAKED IN PLACE USING (2) 2"X2"X4' WOODEN STAKES.
 4. OTHER WASHOUT DESIGNS MAY BE USED IF APPROVED BY THE ENGINEER.

TEMPORARY CONCRETE WASHOUT FACILITY - STRAW BALE



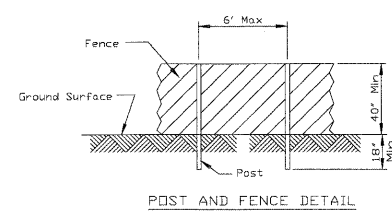
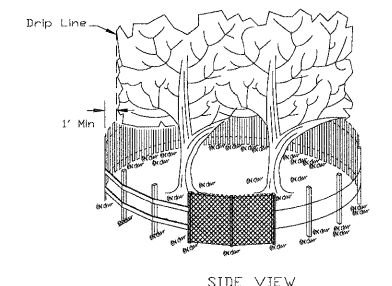
SECTION TURBIDITY BARRIER (FLOATING SILT CURTAIN) N.T.S

- NOTES:**
1. THE SILT CURTAIN SHALL BE INSTALLED IN SUCH A MANNER AS TO PREVENT DRIFT SHOREWARD OR DOWNSTREAM. THE FLOATATION LOG SHALL BE SECURELY ATTACHED TO THE FABRIC IN BOTH THE HORIZONTAL AND VERTICAL DIRECTION.
 2. THE 5/16-INCH CABLE SHALL BE ATTACHED ABOVE THE FLOATATION MEMBERS AND EXTEND THE ENTIRE LENGTH OF EACH SECTION OF SILT CURTAIN. A 5/16-INCH CHAIN SHALL BE SEALED ON THE LOWER HEM FOR BALLAST.
 3. CONNECTORS SHALL JOIN THE MAIN LOAD LINE AND BALLAST CHAIN TO CARRY ALL TENSILE PRESSURE. THE FABRIC SHALL BE JOINTED FOR ITS ENTIRE HEIGHT.
 4. ANCHORAGE'S SHALL BE INSTALLED ON BOTH SHORE AND STREAM SIDE TO MAXIMUM STABILITY. SHORE ANCHORS SHALL CONSIST OF A POST WITH DEADMAN OR APPROVED EQUAL. STREAM ANCHORS SHALL BE OF SUFFICIENT SIZE, TYPE AND STRENGTH TO STABILIZE THE BARRIER BEYOND THE CONSTRUCTION AREA.
 5. ANCHORS SHALL BE BUOYED TO PREVENT THE SILT CURTAIN FROM BEING PULLED UNDER WATER. DANFORTH-TYPE ANCHORS SHALL BE USED IN SANDY BOTTOM AND HEAVY KEDGE TYPE OR MUSHROOM ANCHORS ON MUD BOTTOMS.
 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE SILT CURTAIN THROUGHOUT CONSTRUCTION OPERATIONS.
 7. UPON COMPLETION OF THE WORK, THE CONTRACTOR SHALL REMOVE THE SILT CURTAIN IN A MANNER THAT WILL PREVENT SILTATION OF THE RIVER/CREEK.
 8. THE TURBIDITY CURTAIN/SILT CURTAIN SHOULD BE PLACED IN THE CREEK PRIOR TO ANY DEMOLITION TO THE BRIDGE DECK AND/OR PIERS.



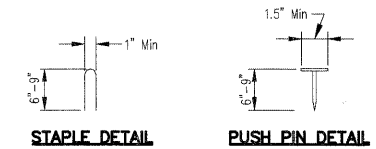
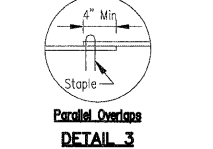
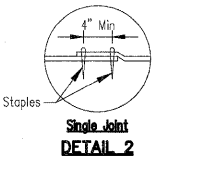
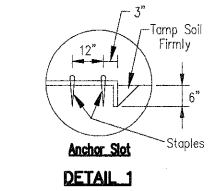
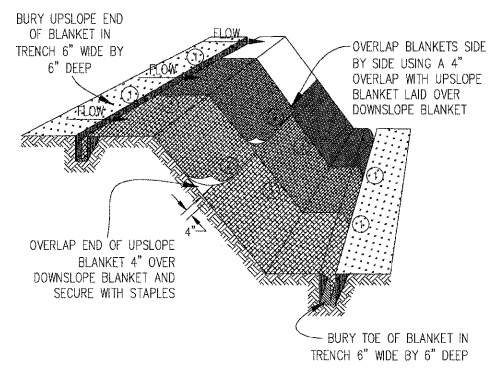
- NOTES:**
1. FILTER FABRIC SHALL MEET THE REQUIREMENTS OF ARTICLE 1080.03 OF THE STANDARD SPECIFICATIONS AND SHALL BE PALCED OVER THE CLEARED SUBGRADE AREA PRIOR TO PLACING THE ROCK.
 2. AGGREGATE FILL SHALL MEET ONE OF THE FOLLOWING IDOT COARSE AGGREGATE GRADATIONS, CA-1, CA-2, CA-3 OR CA-4 AND BE PLACED ACCORDING TO SPECIAL PROVISION " STABILIZED CONSTRUCTION ENTRANCE.
 3. ANY DRAINAGE FACILITIES REQUIRED BECASUE OF WASHING SHALL BE CONSTRCTED ACCORDING TO MANUFACTURERS SPECIFICATIONS.
 4. IF WASH RACKS ARE USED THEY SHALL BE INSTALLED ACCORDING TO MANUFACTURERS SPECIFICATIONS.

STABILIZED CONSTRUCTION ENTRANCE PLAN



- NOTES:**
1. THE FENCE SHALL BE LOCATED A MINIMUM OF 1 FOOT OUTSIDE THE DRIP LINE OF THE TREE TO BE SAVED AND IN NO CASE CLOSER THAN 5 FEET TO THE TRUNK OF ANY TREE.
 2. FENCE POSTS SHALL BE EITHER STANDARD STEEL POSTS OR WOOD POSTS WITH A MINIMUM CROSS SECTIONAL AREA OF 3.0 SQ. IN.
 3. THE FENCE MAY BE EITHER 40" HIGH SNOW FENCE, 40" PLASTIC WEB FENCING OR ANY OTHER MATERIAL AS APPROVED BY THE ENGINEER/INSPECTOR.
 4. TO BE PAID FOR AS "TEMPORARY FENCE."

TREE PROTECTION FENCING



- NOTES:**
1. STAPLES SHALL BE PLACED IN A DIAMOND PATTERN AT 2 PER S.Y. FOR STITCHED BLANKETS. NON-STICHED SHALL USE 4 STAPLES PER S.Y. OF MATERIAL. THIS EQUATES TO 200 STAPLES WITH STITCHED BLANKET AND 400 STAPLES WITH NON-STICHED BLANKET PER 100 S.Y. OF MATERIAL.
 2. STAPLE OR PUSH PIN LENGTHS SHALL BE SELECTED BASED ON SOIL TYPE AND CONDITIONS. (MINIMUM STAPLE LENGTH IS 6")
 3. EROSION CONTROL MATERIAL SHALL BE PLACED IN CONTACT WITH THE SOIL OVER A PREPARED SEEDBED.
 4. ALL ANCHOR SLOTS SHALL BE STAPLED AT APPROXIMATELY 12" INTERVALS.

EROSION CONTROL BLANKET INSTALLATION DETAILS

FILE NAME = PACBBEL WEST Projects\2009\09-0073 HopsaPH11\Civil\Drawings\EROS-4.dwg

WILLS BURKE KELSEY ASSOCIATES LTD.
116 West Main Street, Suite 201
St. Charles, Illinois 60174

USER NAME = nparris	DESIGNED - KMA	REVISED -
PLOT SCALE =	DRAWN - NDP	REVISED -
PLOT DATE = 12/16/2011	CHECKED - RPD	REVISED -
	DATE - 12/19/11	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS

SCALE: SHEET NO. 34 OF 80 SHEETS STA. TO STA.

T.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2442	04-08107-00-BR	KANE	80	34
CONTRACT NO. 63644				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				