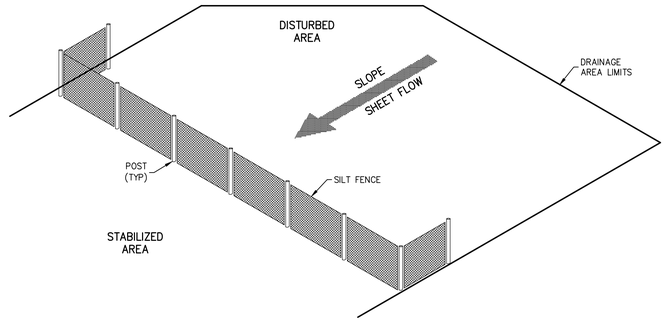
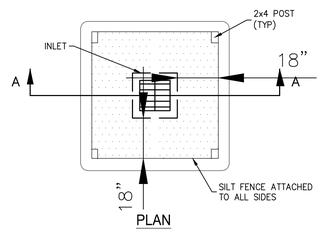
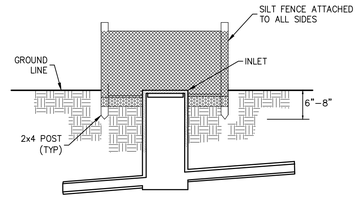


1 SILT FENCE IN SHEET FLOW
SCALE: N.T.S.

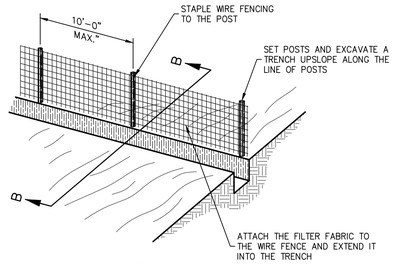


PLAN

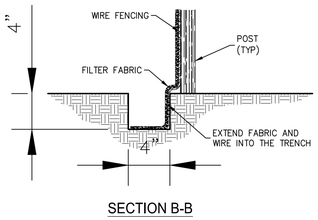


SECTION A-A

6 INLET SEDIMENT TRAP - ALT. 1
SILT FENCE BARRIER DETAIL
SCALE: N.T.S.

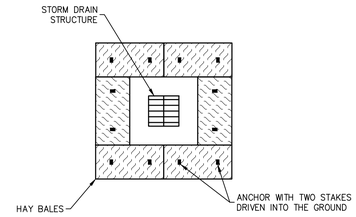


ELEVATION

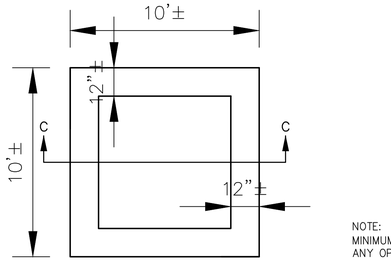


SECTION B-B

2 CONSTRUCTION OF SILT FENCE
SCALE: N.T.S.



7 INLET SEDIMENT TRAP - ALT. 2
STRAW BALE BARRIER DETAIL
SCALE: N.T.S.



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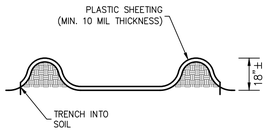
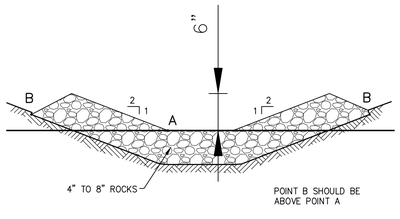


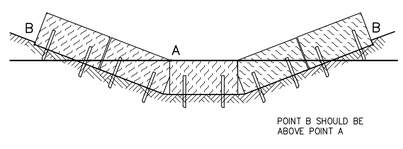
SECTION C-C

NOTE:
MINIMUM 50' FROM ANY OPEN DITCH

3 CONCRETE WASHOUT DETAIL
IN DRAINAGE WAY
SCALE: N.T.S.



4 ROCK CHECK DAM
IN DRAINAGE WAY
SCALE: N.T.S.



5 STRAW BALES CHECK DAM
IN DRAINAGE WAY
SCALE: N.T.S.

TEMPORARY METHODS:

MULCHES – REFER TO (DISTURBED AREA STABILIZATION)

VEGETATIVE COVER – REFER (DISTURBED AREA STABILIZATION WITH TEMPORARY SEEDING)

TILLAGE – ROUGHEN AND BRING CLODS TO THE SURFACE BY USE OF CHISEL–TYPE PLOWS SPACED ABOUT 12 INCHES APART

IRRIGATION – SITE SPRINKLED WITH WATER UNTIL WET. REPEAT AS NEEDED

BARRIERS – FENCES, HAY BALES, AND CRATE WALLS PLACED AT INTERVALS 15 TIMES THEIR HEIGHT AND PERPENDICULAR TO AIR CURRENTS

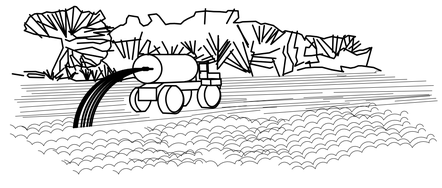
CALCIUM CHLORIDE – APPLY TO KEEP SURFACE WET. REPEAT AS NEEDED.

PERMANENT METHODS:

PERMANENT VEGETATION – REFER TO DS3 (DISTURBED AREA STABILIZATION WITH PERMANENT VEGETATION)

TOPSOILING – COVERING THE SURFACE WITH A LESS EROSIVE SOIL MATERIAL

STONE – SURFACE WITH CRUSHED STONE OR COARSE GRAVEL (SEE CR – CONSTRUCTION ROAD STABILIZATION)



8 DUST CONTROL
SCALE: N.T.S.

SEEDING SCHEDULE

CRITICAL AREA VEGETATIVE PLAN

GENERAL
THIS VEGETATIVE PLAN WILL BE CARRIED OUT ON ROAD CUT AND FILL SLOPES, SHOULDERS AND OTHER CRITICAL AREAS CREATED BY CONSTRUCTION IN AN AREA AS COMPLETED. PLANTINGS WILL BE MADE TO CONTROL EROSION, TO REDUCE DAMAGES FROM SEDIMENT AND RUNOFF TO DOWNSTREAM AREAS AND TO IMPROVE THE SAFETY AND BEAUTY OF THE DEVELOPMENT AREA.

SOIL CONDITIONS
DUE TO GRADING AND CONSTRUCTION, THE AREAS TO BE TREATED ARE MAINLY SUBSOIL AND SUBSTRATA. FERTILITY IS LOW AND THE PHYSICAL CHARACTERISTICS OF THE EXPOSED MATERIAL ARE UNFAVORABLE TO ALL BUT THE MOST HARDY PLANTS.

TREATMENT SPECIFICATIONS

CONVENTIONAL SEEDING EQUIPMENT:
GRADE, SHAPE AND SMOOTH WHERE NEEDED TO PROVIDE FOR SAFE EQUIPMENT OPERATION AT SEEDING TIME AND FOR MAINTENANCE PURPOSES. THE LIME AND FERTILIZER IN DRY FORM WILL BE SPREAD UNIFORMLY OVER THE AREA IMMEDIATELY BEFORE SEEDBED PREPARATION. A SEEDBED WILL BE PREPARED BY SCARIFYING TO A DEPTH OF 1 TO 4 INCHES AS DETERMINED ON SITE. THE SEEDBED MUST BE WELL PULVERIZED, SMOOTHED AND FIRMED. SEEDING WILL BE DONE WITH CULTIPACKER–SEEDER, DRILL, ROTARY SEEDER OR OTHER MECHANICAL OR HAND SEEDER. SEED WILL BE DISTRIBUTED UNIFORMLY OVER THE AREA, LEAVING ABOUT 25 PERCENT OF THE GROUND SURFACE EXPOSED. MULCH WILL BE SPREAD WITH BLOWER–TYPE MULCH EQUIPMENT OR BY HAND AND ANCHORED IMMEDIATELY AFTER IT IS SPREAD. A DISK HARROW WITH THE DISK SET STRAIGHT OR A SPECIAL PACKER DISK MAY BE USED TO PRESS THE MULCH INTO THE SOIL. THE PER ACRE APPLICATION RATES ARE AS FOLLOWS:

A. SEEDING WITH MULCH: (CONVENTIONAL SEEDING EQUIPMENT ON SLOPES LESS THAN 3:1)

AGRICULTURAL LIMESTONE FERTILIZER	4000	lbs./acre
5–10–15 MULCH	1500	lbs./acre
STRAW OR HAY	5000	lbs./acre

SEED SPECIES	APPLICATION RATE/ACRES	PLANTING DATES
HULLED COMMON BERMUDA GRASS	10 LBS	3/1 – 6/15
FESCUE	50 LBS	9/1 – 10/31
FESCUE RYE GRASS	50 LBS	11/1 – 2/28
HAY MULCH FOR TEMPORARY COVER	5000 LBS	6/15 – 8/3

B. TOPDRESSING: APPLY WHEN PLANTS ARE 2 TO 4 INCHES TALL
FERTILIZER (AMMONIUM NITRATE 33.5%) 300 LBS/ACRE

C. SECOND–YEAR FERTILIZER: (5–10–15 OR EQUIVALENT) 800 LBS/ACRE

EROSION CONTROL NOTE:

ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (D.O.T.D.) STANDARD PLAN EC–01 (TEMPORARY EROSION CONTROL DETAILS)

STORMWATER POLLUTION PREVENTION NOTES:

1.) A STORMWATER POLLUTION PREVENTION PLAN (SWPPP) SHALL BE PREPARED, IMPLEMENTED AND MAINTAINED PER LAR 100,000. A COPY OF THE NOI AND SWPPP SHALL BE GIVEN TO THE PARISH.

2.) THE MINIMUM EROSION CONTROL MEASURES ARE SHOWN ON THIS PLAN, ADDITIONAL MEASURE/CONTROLS MAY BE REQUIRED IN ADDITION TO THAT SHOWN TO PREVENT SEDIMENT FROM LEAVING THE SITE.

3.) THE CONTRACTOR SHALL MAINTAIN THE SWPPP AS REQUIRED IN THE GENERAL PERMIT.

4.) TO REDUCE SEDIMENT IN RUNOFF, EROSION CONTROL STRUCTURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION ACTIVITY.

5.) TO ENSURE EROSION CONTROL STRUCTURES WORK PROPERLY, IT IS IMPERATIVE THE SEDIMENT BE REDUCED BELOW 50% OF CAPACITY; THEREFORE, "INSPECTION" AND "MAINTENANCE" OF STRUCTURES IS TO BE PERFORMED ON A REGULAR BASIS AND AS SPECIFIED BY THE SWPPP.

6.) DURING SEDIMENT REMOVAL, THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT STRUCTURAL COMPONENTS OF EROSION CONTROL STRUCTURES ARE NOT DAMAGED AND THUS MADE INEFFECTIVE. IF DAMAGE DOES OCCUR, THE CONTRACTOR SHALL REPAIR THE STRUCTURES AT THE CONTRACTOR'S OWN EXPENSE.

7.) SEDIMENT REMOVED FROM SEDIMENT CONTROL STRUCTURES IS TO BE PLACED AT A SITE APPROVED BY THE ENGINEER. IT SHALL BE TREATED IN A MANNER SO THAT THE AREA AROUND THE DISPOSAL SITE WILL NOT BE CONTAMINATED OR DAMAGED BY THE SEDIMENT IN RUN–OFF.

8.) CONTRACTOR SHALL ENSURE THAT ALL DRAINAGE STRUCTURES, FLUMES, PIPES, ETC. ARE CLEANED OUT AND WORKING PROPERLY AT THE TIME OF ACCEPTANCE.

9.) UPON COMPLETE REMOVAL OF EROSION CONTROL STRUCTURES, THE AREA WHERE THEY WERE CONSTRUCTED IS TO BE SEEDED, AND MULCHED.

10.) STOCKPILED TOPSOIL OR FILL MATERIAL IS TO BE TREATED SO THE SEDIMENT RUN–OFF WILL NOT CONTAMINATE SURROUNDING AREA OR ENTER NEARBY DRAINAGE STRUCTURES.

11.) WATER IS NOT TO BE PUMPED DIRECTLY INTO EXISTING DRAINAGE STRUCTURES BUT IS TO BE PUMPED INTO SEDIMENT TRAPS ONLY.

12.) STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.

13.) TEMPORARY SEEDING SHALL BE IN ACCORDANCE TO SECTION 717 OF THE STATE OF LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT (LADOTD) STANDARD SPECIFICATIONS, LATEST EDITION.

14.) A CONCRETE WASHOUT SHALL BE PROVIDED PRIOR TO ANY CONCRETE WORK ON SITE. THIS WASHOUT WILL ONLY BE FOR RINSING OF THE CONCRETE TRUCK CHUTES, NO RINSING OF THE CONCRETE DRUMS WILL BE ALLOWED ON–SITE.

15.) CONTRACTOR SHALL SUBMIT A NOTICE OF INTENT (NOI) TO LADEQ A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.

MATERIALS

1.) SYNTHETIC FILTER FABRIC SHALL BE A PERVOUS SHEET OF PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN AND SHALL BE CERTIFIED BY THE MANUFACTURER OR SUPPLIER.

2.) POSTS FOR SILT FENCE SHALL BE EITHER 4–INCH DIAMETER WOOD OR 1.33 POUNDS PER LINEAR FOOT STEEL WITH A MINIMUM LENGTH OF 5 FEET. STEEL POSTS SHALL HAVE PROJECTIONS FOR FASTENING WIRE TO THEM. INSTALLED WITH A MINIMUM ABOVE GROUND LENGTH OF 3 FT. AND INSTALLED TO A MINIMUM 1 FT. DEPTH.

3.) STAKES FOR FILTER BARRIERS SHALL BE 1" X 2" WOOD (PREFERRED) OR EQUIVALENT METAL WITH A MINIMUM LENGTH OF 3 FEET.

4.) WIRE FENCE REINFORCEMENT FOR SILT FENCES USING STANDARD STRENGTH FILTER CLOTH SHALL BE A MINIMUM OF 42 INCHES IN HEIGHT, A MINIMUM OF 14 GAUGE AND SHALL HAVE A MAXIMUM MESH SPACING OF 6 INCHES.

MAINTENANCE

1.) STRAW BALE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.

2.) CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED BALES, END RUNS AND UNDERCUTTING BENEATH BALES.

3.) NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF BALES SHALL BE ACCOMPLISHED PROMPTLY.

4.) SEDIMENT DEPOSITS MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE–HALF THE HEIGHT OF THE BARRIER.

5.) ANY SEDIMENT DEPOSITS REMAINING IN PLACE AFTER THE STRAW BALE BARRIER IS NO LONGER REQUIRED SHALL BE DRESSED TO CONFORM TO THE EXISTING GRADE, PREPARED AND SEEDED.

STRAW BALE DIKE CONSTRUCTION SPECIFICATIONS CHANNEL FLOW APPLICATIONS

1.) BALES SHALL BE PLACED IN A SINGLE ROW, LENGTHWISE, ORIENTED PERPENDICULAR TO THE CONTOUR, WITH ENDS OF ADJACENT BALES TIGHTLY ABUTTING ONE ANOTHER.

2.) THE BARRIER SHALL BE EXTENDED TO SUCH A LENGTH THAT THE BOTTOMS OF THE END BALES ARE HIGHER IN ELEVATION THAN THE TOP OF THE LOWEST MIDDLE BALE TO ASSURE THAT SEDIMENT–LADEN RUNOFF WILL FLOW EITHER THROUGH OR OVER THE BARRIER BUT NOT AROUND IT.

UTILITY NOTE:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION, DEPTH AND SIZE OF ALL UNDERGROUND UTILITIES AND STRUCTURES AND SHALL BE LIABLE FOR ANY DAMAGE CAUSED BY FAILURE TO COMPLY WITH THESE INSTRUCTIONS.

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Project:
SIEGEN LANE ASSISTED LIVING COMMUNITY
SIEGEN LANE
BATON ROUGE, LOUISIANA

Title:
EROSION and SEDIMENTATION CONTROL DETAILS & NOTES

Description:
LOCATED IN:
SECTION 37, TOWNSHIP 1 EAST, RANGE 8 SOUTH,
GREENSBURG LAND DISTRICT,
EAST BATON ROUGE PARISH, LOUISIANA

DWG Path: P:\14-137 Concordis Senior Living - Siegen Lane\Drawings\Engineering\Plans\Current\14137_06_ES.dwg

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4/11/16

Date: APRIL 2016
Project No.: 14-137
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