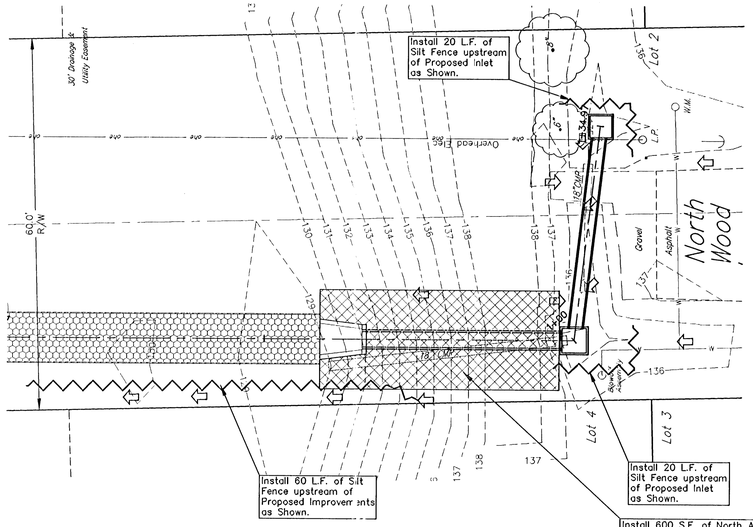
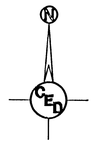




LEGEND:

= Drainage Flow Direction
= Proposed Silt Fence
= Proposed Erosion Control Blanket

EROSION CONTROL PLAN

THE LUMP SUM PRICE BID FOR THE BID ITEM "EROSION CONTROL" SHALL BE FULL COMPENSATION FOR PROVIDING, INSTALLING, MOVING, REPLACING, MAINTAINING, REMOVING AND CLEANING ALL TRAFFIC CONTROL DEVICES AS REQUIRED OR AS DIRECTED BY THE ENGINEER; TO INCLUDE THE ADDITION OF ANY EROSION CONTROL DEEMED NECESSARY BY THE ENGINEER WHETHER SPECIFICALLY MENTIONED OR NOT.

TEMPORARY SEEDING

GENERAL: All areas disturbed by construction, excepting the paved or surfaced areas and areas of undisturbed native sod or other desirable vegetation shall be fertilized (limed when required), seeded, and mulched. Soil preparation shall conform to the Best Management Practices for Erosion and Sediment Control.

Temporary seeding shall be done during any time of the year that the soil can be cultivated. After the temporary seeding has been completed on the entire project, the permanent seeding or sodding shall be done during the normal seeding season.

It shall not be required to till the area to bare ground prior to temporary or permanent seeding. If temporary cover has provided stable slopes with no erosion, seed the permanent grasses into the existing cover. If there has been erosion that requires repair prior to seeding, then it may be necessary to regrade the area, resulting in bare ground.

FERTILIZER: A ratio and application rate that equals or exceeds the required minimum rate per acre of N, P O , K O listed in Summary of Seeding Quantities will be acceptable.

MULCHING: Mulch shall be spread uniformly over all disturbed areas and punched in the soil, unless otherwise noted on the plans. The rate of application per acre, thickness in place, for the various mulching materials are as follows:

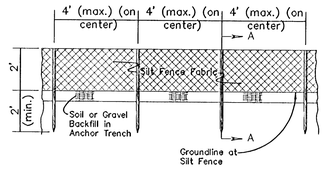
Prairie Hay Mulching	1 3/4 – 2 1/4	Tons per Acre	= 1–1/2"	loose depth spread uniformly over acre.
Bromegrass Mulching	1 3/4 – 2 1/4	Tons per Acre	= 1–1/2"	loose depth spread uniformly over acre.
Wheat or Oats Straw Mulching	1 1/2– 2	Tons per Acre	= 3"	loose depth spread uniformly over acre.
Wood Chips Mulching	4 – 5	Tons per Acre	= 1–2"	loose depth spread uniformly over acre.
Wood Fiber Mulching	3/4 – 1	Tons per Acre	=	spread uniformly over acre.

Other vegetative mulches (Acceptable only with the Engineer's concurrance).

The above rates are a guide. It will be at the discretion of the Engineer to determine what rate is sufficient for adequate protection of newly seeded areas.

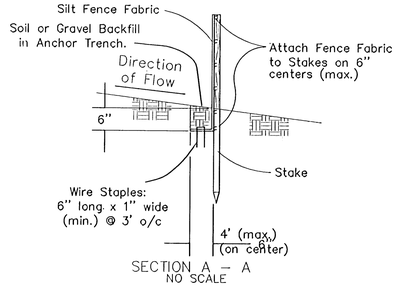
The amount of mulch in the bid quantities is estimated. The total mulch required shall be determined in the field. The bid item for mulching shall be paid for by one of the following ways.

SUMMARY OF TEMPORARY SEEDING QUANTITIES		
RATE OF APPLICATION		
(Pure Live Seed per acre)	DESCRIPTION	QUANTITY
40 Lbs./Acre	Rye Grass Seed	As Required
125 Lbs./Acre	Fertilizer(16–20–0)	As Required
	Mulching	As Required



TYPICAL ELEVATION
SILT FENCE SLOPE BARRIER–DETAIL

*Manufactured by Belton Industries (Style 894), Mirafi (Product Type 100x) or approved equal.



SECTION A – A
NO SCALE

SILT FENCE

MAINTENANCE:
Fabric must be inspected and needed repairs completed after every storm event. Sediment deposits should be removed when collected material reaches a depth of one–half the fence height.

INSTALLATION:
1. Contractor shall install approx. silt fence* as shown on plan for the two proposed drainage channels and 79th Street South Court Left & Right Ditches.
2. Silt Fence is required across the Bottom of the Ditches and up the Side Slopes(See Ditch Typical Section). Lengths vary.
3. Stakes shall be 4'(Min.) long and of one of the following materials:
   a. Hardwood – 1"x1";
   b. Southern Pine (No. 2) – 2"x2";
   c. Steel, U, T, L, or C Section – 1.33 lbs. per 1'–0"; or
   d. Synthetic – same strength as wood stakes.
4. Attach fence fabric to stakes with staples, wire or nails.

EROSION CONTROL BLANKET NOTES:
1. EXCELSIOR MAT TO BE INSTALLED WHEN SOD IS NOT SPECIFIED ON PROJECT.

2. EXCELSIOR BLANKET TO BE INSTALLED OVER SEED AND FERTILIZER, AS SPECIFIED IN THE PROJECT SPECIFICATIONS.

3. BMP'S WILL BE REQUIRED AT ALL POINTS ALONG THE PROJECT WHERE DISTURBED EARTH CAN DRAIN ONTO PRIVATE PROPERTY.

4. STABILIZED CONSTRUCTION ENTRANCES SHALL BE PROVIDED, AS NEEDED, TO PREVENT MUD FROM TRACKING ONTO STREETS NOT UNDER CONSTRUCTION AND ON STREETS WITHIN THE PROJECT LIMITS IF TRAFFIC IS BEING MAINTAINED THROUGH THE PROJECT.

5. ANY MUD TRACKED ONTO STREETS MUST BE REMOVED AT THE END OF EACH WORK DAY.

REV.	01–03–2005	Changed Erosion Control Blanket to C125BN

303 N WOOD LANE HOT SPOT
EROSION CONTROL PLAN
WICHITA, KANSAS
PROJ NO.: 562–854112 (6605020)

CERTIFIED ENGINEERING DESIGN, P.A.
CED
810 WEST DOUGLAS, SUITE C
WICHITA, KANSAS 67203
PH.(316)262–8808 FAX.(316)262–1669

DESIGNED: HDF	SCALE: AS NOTED	SHEET 4
DRAWN: MRS	DATE: 10/29/2004	
CHECKED: HDF	CED FILE: N WOOD H...DWG	TOTAL 7