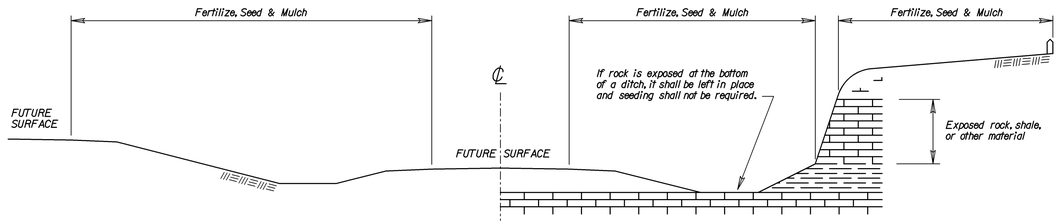
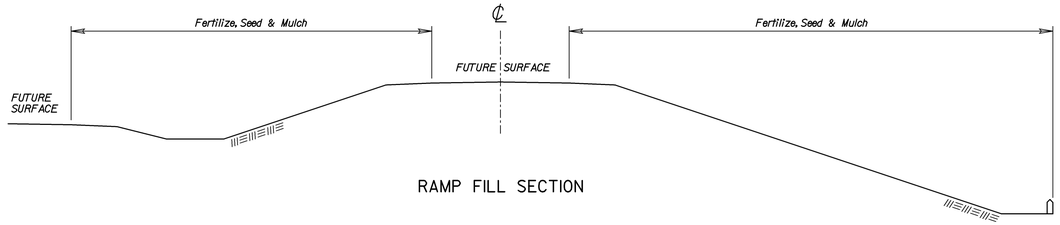
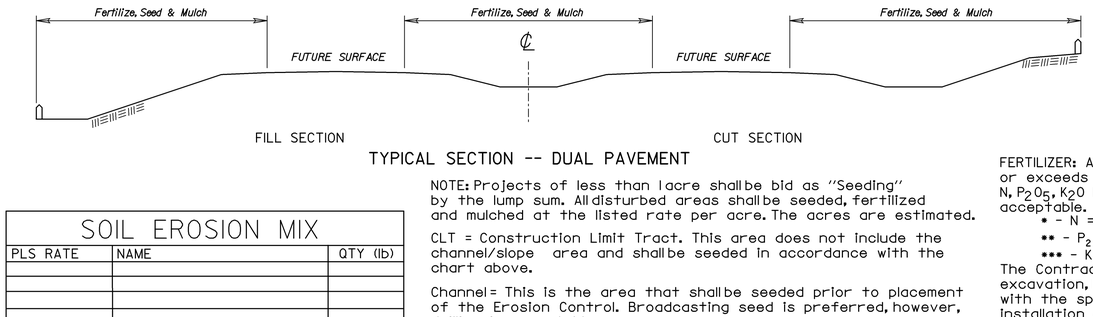
STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0359-01	2006	35	61



RAMP CUT SECTION



RAMP FILL SECTION



FILL SECTION CUT SECTION

TYPICAL SECTION -- DUAL PAVEMENT

SOIL EROSION MIX		
PLS RATE	NAME	QTY (lb)
	Total (lb)	

NOTE: Projects of less than 1 acre shall be bid as "Seeding" by the lump sum. All disturbed areas shall be seeded, fertilized and mulched at the listed rate per acre. The acres are estimated.

CLT = Construction Limit Tract. This area does not include the channel/slope area and shall be seeded in accordance with the chart above.

Channel = This is the area that shall be seeded prior to placement of the Erosion Control. Broadcasting seed is preferred, however, drilling is acceptable

Slope = This is the area that shall be seeded prior to placement of the Erosion Control. Broadcasting seed is preferred, however, drilling is acceptable.

FERTILIZER: A ratio and application rate that equals or exceeds the required minimum rate per acre of N, P_2O_5, K_2O listed in Summary of Quantities will be acceptable.

* - N = Nitrogen Rate of Application
** - P_2O_5 = Phosphorous Rate of Application
*** - K_2O = Potassium Rate of Application

The Contractor will be required to finish areas of excavation, borrow and embankment in accordance with the specifications. Areas that require installation or construction of temporary water pollution control items will be finished in reasonable close conformity to the alignment, grade and cross section shown on the plans or as established by the Engineer.

GENERAL: The entire disturbed area, excepting the paved or surfaced areas, steep rocky slopes 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 Standard Specifications.

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, a permanent seeding shall be done by another project during the normal seeding season.

MULCHING: Mulch shall be spread uniformly over all disturbed areas and punched in the soil, unless otherwise noted on the plans. If mulch tacking slurry is used, punching is not necessary. The rate of application per acre, thickness in place, for the mulching materials is as follows:

1¾ - 2¼ Tons per Acre = 1½" loose depth spread uniformly over acre.

Agricultural products, such as native prairie hay, used for mulching and erosion control practices, excluding wood based mulch, shall meet the North American Weed Free Forage Standards. Refer to Special Provision Subsection 2108.04 "Mulching".

Other vegetative mulches acceptable only with the Engineer's concurrance.

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

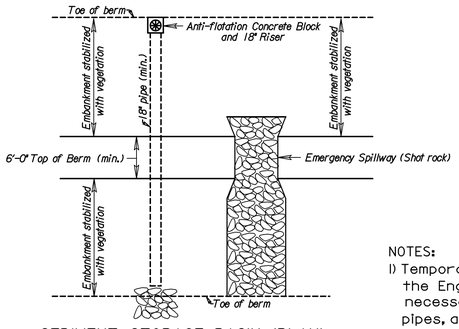
The amount of mulch and mulch tacking slurry in the bid quantities is estimated. The total mulch and mulch tacking slurry required shall be determined in the field. The bid item for mulching and mulch tacking slurry shall be paid for by one of the following ways: A) Plan quantity as shown on Summary of Quantities, Seeding Sheet or Water Pollution Control Sheet, B) Slope measurement as measured in field, or C) Drill measurement less 5% as measured at the time of seeding.

SUMMARY OF SEEDING QUANTITIES: PROJECTS OF 1 ACRE OR MORE

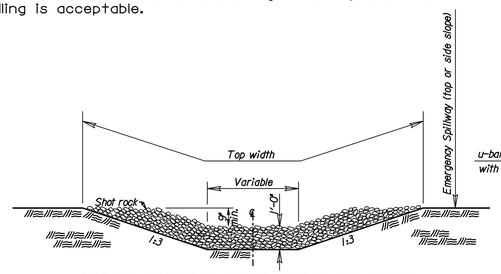
P.L.S. RATE/ ACRE		ACRES		BID ITEM	QUANTITY	UNIT
CLT	Slope	CLT	Slope			
				Temporary Fertilizer (* - ** - ***)		Lb
				Temporary Seed (Canada Wildrye Grass Seed)		Lb
				Temporary Seed (Ryegrass Seed (Annual))		Lb
				Soil Erosion Mix		Lb
				Agricultural Limestone		Tons
				Temporary Berm		LF
				Temporary Ditch Check (Rock) (Set Price)		Cu Yd
				Temporary Ditch Check		LF
				Temporary Inlet Sediment Barrier		Each
				Temporary Sediment Basin		Cu Yd
				Temporary Slope Barrier (Set Price)		LF
				Temporary Slope Drain		LF
				Temporary Stream Crossing		Each
				Sediment Removal (Set Price)		Cu Yd
				Mobilization, Emergency Erosion Control (Set Price)		Each
				Erosion Control (Class X, Type Y)		Sq Yd
				Mulch Tacking Slurry		Ac
				Mulching (Temporary)		Ac

SUMMARY OF SEEDING QUANTITIES: PROJECTS LESS THAN 1 ACRE

P.L.S. RATE/ ACRE		ACRES		BID ITEM	QUANTITY	UNIT
CLT	Slope	CLT	Slope			
100		0.70		Temporary Fertilizer (15-30-15)		Lb
30		0.70		Temporary Seed (Canada Wildrye Grass Seed)		Lb
15		0.70		Temporary Seed (Ryegrass Seed (Annual))		Lb
				Soil Erosion Mix		Lb
2 tons		0.70		Agricultural Limestone	1	Tons
				Temporary Seeding	Lump Sum	LS
				Temporary Ditch Check (Rock) (Set Price)	1	Cu Yd
				Temporary Ditch Check	68	LF
				Temporary Slope Barrier (Set Price)	1	LF
				Sediment Removal (Set Price)	1	Cu Yd
				Mobilization, Emergency Erosion Control (Set Price)	1	Each
				Erosion Control (Class X, Type Y)		Sq Yd
				Mulch Tacking Slurry		Ac
				Mulching (Temporary)		Ac



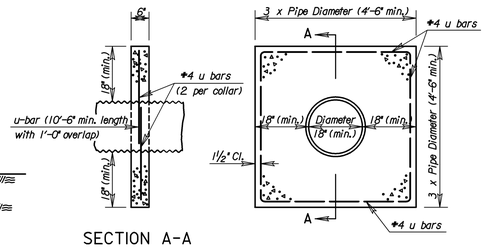
SEDIMENT STORAGE BASIN (PLAN)



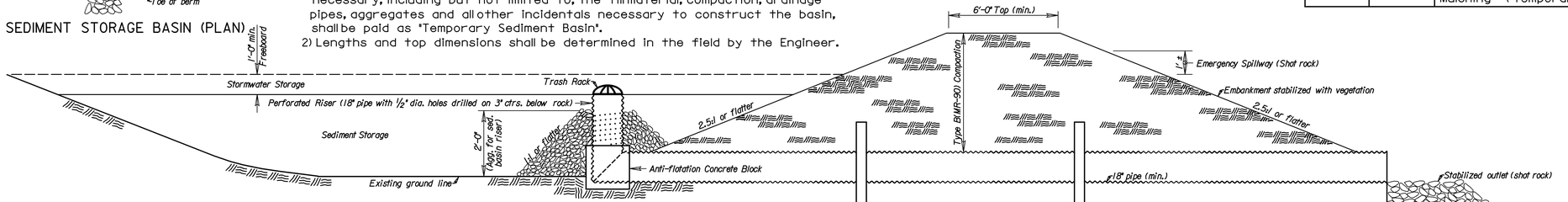
CROSS SECTION (EMERGENCY SPILLWAY)

NOTES:

1) Temporary Sediment Basins shall be constructed at locations as directed by the Engineer or as approved in the SWPPP Schedule. All work and materials necessary, including but not limited to, the fill material, compaction, drainage pipes, aggregates and all other incidentals necessary to construct the basin, shall be paid as "Temporary Sediment Basin".
2) Lengths and top dimensions shall be determined in the field by the Engineer.



SECTION A-A CONCRETE ANTI-SEEP COLLAR



SEDIMENT STORAGE BASIN (ELEVATION)

NO.	DATE	REVISIONS	BY	APP'D
3	5/29/07	Revised Standard	MRM	SHS
2	4/03/07	Revised Standard	MRM	SHS
1	8/28/06	Revised Standard	MRM	SHS

KANSAS DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION AND POLLUTION CONTROL

LA852A

F.H.W.A. APPROVAL	4/03/2007	APP'D	Scott H. Shields
DESIGNED BB	DETAILED BB	QUANTITIES	TRACED BB
DESIGN CK. SHS	DETAIL CK. SHS	QUAN.CK.	TRACE CK. SHS

Std. Base File: la852a.dgn | Plot Location: $UNIT$
Plotted By: $$USERNAME$$
File: $$$$$$$$$$DGNSPEC$$$$$$$$$$$$$$
Plot Date: $$$$$$SYTIME$$$$$$

Sheet No.