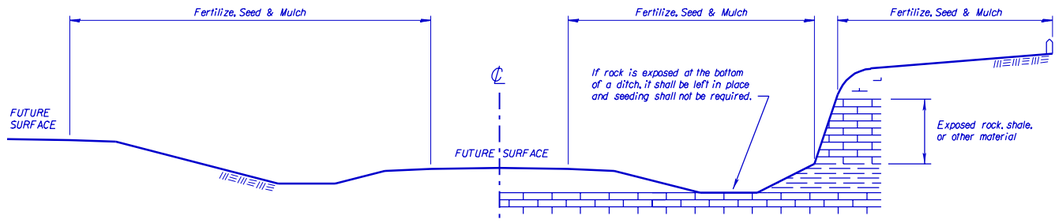
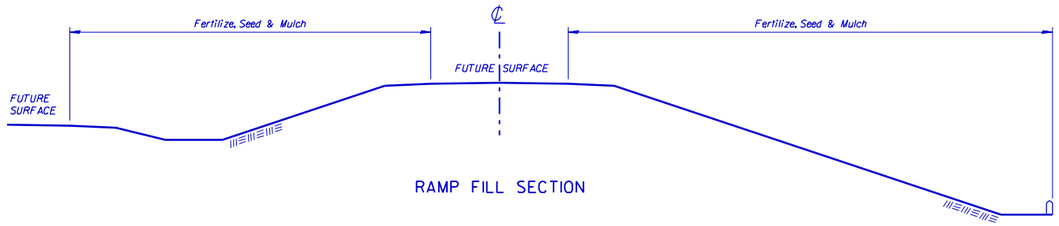
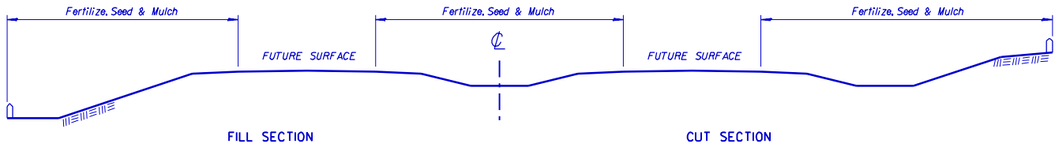


RAMP CUT SECTION

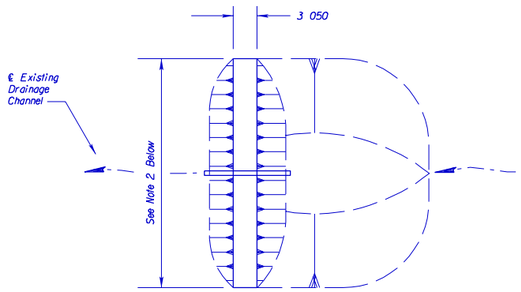


RAMP FILL SECTION

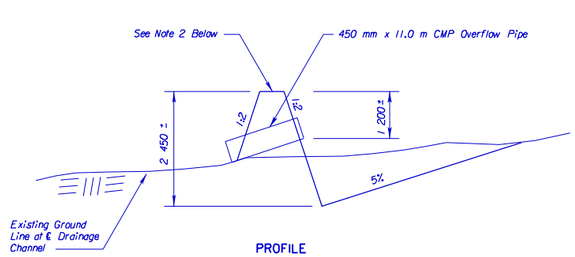


FILL SECTION CUT SECTION

TYPICAL SECTION -- DUAL PAVEMENT



PLAN



PROFILE

TEMPORARY SEDIMENT BASIN

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

NOTES:

1) Temporary Sediment Basins shall be constructed at locations as directed by the Engineer. All work and materials necessary for the construction of Temporary Sediment Basins shall be paid for as the bid item "Temporary Sediment Basin". The 450 mm x 11.0 m overflow pipe will be SUBSIDIARY to the bid item "Temporary Sediment Basin". The Temporary Sediment Basins shall be removed by KDOT District forces after seeding has been established if desired by the respective land owners.

2) Lengths and top elevations shall be determined in the field by the Engineer.

3) All dimensions are approximate.

SUMMARY OF TEMPORARY EROSION AND POLLUTION CONTROL ITEMS		
ITEM	QUANTITY	UNIT
Erosion Control BMP (Stabilized Entrance)	*1*	*Each*
Erosion Control BMP (Back of Curb Protection)	*43.9*	*m*
Erosion Control BMP (Slope Barrier)	*102.6*	*m*

FERTILIZER: A ratio and application rate that equals or exceeds the required minimum rate per hectare 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.

STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0187-01	2006	31	47

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 hectare, thickness in place, for the various mulching materials is as follows:

3,900 - 5,000 Kilograms per Hectare = 40mm loose depth spread uniformly over hectare.

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 0.4 HA. OR MORE						
PLS Rate/Ha		Hectares		BID ITEM	QUANTITY	UNIT
CLT	Slope	CLT	Slope			
				Fertilizer (• - •• - •••)		kg
				Canada Wildrye Grass Seed		kg
				Ryegrass Seed (Annual)		kg
				Soil Erosion Mix		ls
				Agricultural Limestone		Mg
				Temporary Berm		m
				Temporary Ditch Check (Rock)		cu m
				Temporary Ditch Check		m
				Temporary Inlet Sediment Barrier		Each
				Temporary Sediment Basin		cu m
				Temporary Slope Barrier (Set)		m
				Temporary Slope Drain		m
				Temporary Stream Crossing		Each
				Sediment Removal (Set)		cu m
				Erosion Control (Class X, Type Y)		sq m
				Mulch Tacking Slurry		ha
				Mulching (Temporary)		ha

SUMMARY OF SEEDING QUANTITIES: PROJECTS LESS THAN 0.4 HA.						
PLS Rate/Ha		Hectares		BID ITEM	QUANTITY	UNIT
CLT	Slope	CLT	Slope			
				Fertilizer (• - •• - •••)		kg
				Canada Wildrye Grass Seed		kg
				Ryegrass Seed (Annual)		kg
				Soil Erosion Mix		ls
				Agricultural Limestone		Mg
				Seeding (TE&PC)		ls
				Temporary Ditch Check (Rock)		cu m
				Temporary Ditch Check		m
				Temporary Slope Barrier (Set)		m
				Sediment Removal (Set)		cu m
				Erosion Control (Class X, Type Y)		sq m
				Mulch Tacking Slurry		ha
				Mulching (Temporary)		ha

NOTE: Projects of less than 0.4 hectares shall be bid as "Seeding" by the lump sum. All disturbed areas shall be seeded, fertilized, and mulched at the listed rate per hectare. The hectares are estimated.

CLT = Construction Limit Tract. This area does not include the "ditch" 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.

NO.	DATE	REVISIONS	BY	APP'D
5				
4	12/14/05	Revised Standard	CDS	SHS
3	9/01/05	Revised Standard	CDS	SHS
2	6/16/05	Revised Standard	SHS	SHS
1	3/01/04	Revised Standard	FCM	SHS

KANSAS DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION AND POLLUTION CONTROL

LA852A SI

F.H.W.A. APPROVAL		1/04/2006	APP'D		Scott H. Shields
DESIGNED	MRM	DETAILED MRM	QUANTITIES	TRACED	MRM
DESIGN CK.	SHS	DETAIL CK. SHS	QUAN.CK.	TRACE CK.	SHS

31

Drawn By : examples
DGN File : gc\IVIL98\69\05693\DGN\a852csi.dgn
Plotted : 1/27/2006 View= PLOT 1