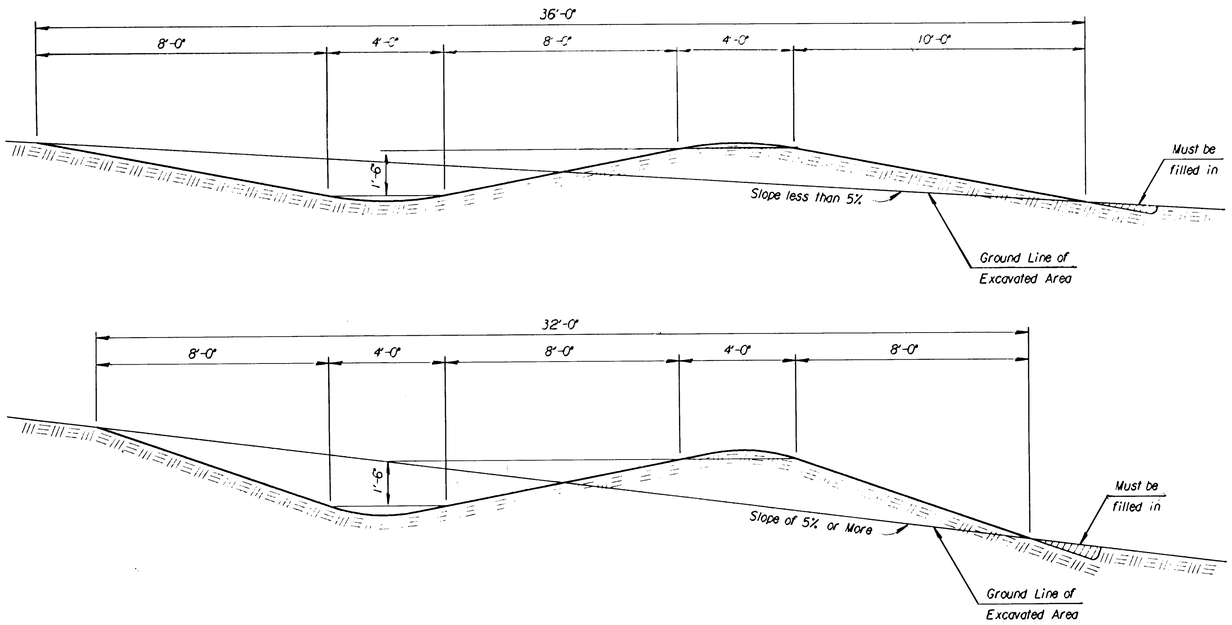
FHWA REGION NO.	STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
7	KANSAS	87-N-0033-01	1995	21	34



TYPICAL SECTIONS OF GRADIENT TERRACES

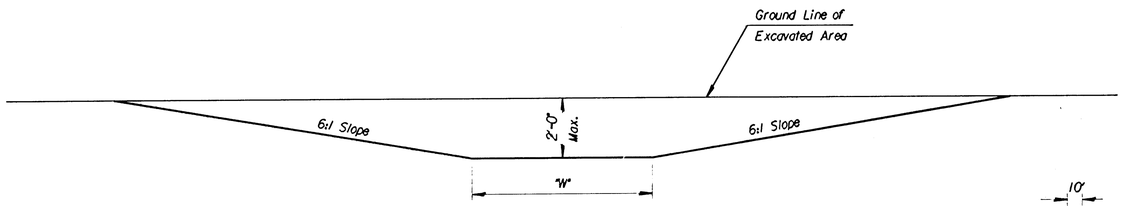
TERRACE SPACING TABLE		
Slope %	Vertical Interval Feet	Horizontal Spacing Feet
1	2.65	265
2	3.30	165
3	3.95	132
4	4.60	115
5	5.25	105
6	5.90	98
7	6.55	94
8	7.20	90

GENERAL NOTE

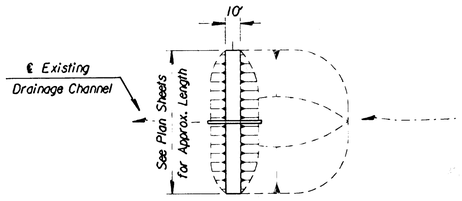
Terraces generally will not be required where the slope of the area is less than 3 percent. They shall be constructed on areas or portions of areas as designated by the Engineer.

Terraces shall be made as nearly parallel as practicable. Gradients for terraces shall vary from 0.1 percent at upper end to 0.4 percent at lower end or a uniform grade may be used.

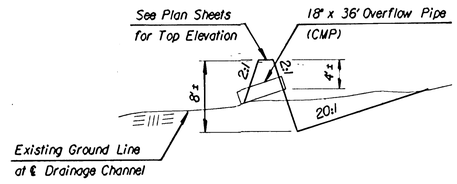
Outlet ditches shall be constructed at locations best suited to empty into a natural stream bed, or if this is not possible, into a road ditch or channel where erosion can be minimized.



TYPICAL SECTION OF OUTLET DITCH



PLAN



PROFILE

TABLE FOR VALUE OF "W" FOR OUTLET DITCH						
Drainage Area above Dt./Acres	Value of "W" for various % of Ditch Grades					
	3%	4%	5%	6%	7%	8%
2-5	8'	8'	8'	8'	12'	14'
5-8	8'	8'	8'	10'	12'	16'
8-11	8'	8'	8'	10'	12'	16'
11-14	8'	8'	8'	10'	14'	18'
14-17	8'	8'	8'	12'	14'	20'
17-20	8'	8'	8'	12'	14'	24'

SILTATION POND

NOTE:
Siltation Ponds shall be constructed at locations indicated in the plans or as directed by the Engineer. All work and materials necessary for the construction of Siltation Ponds shall not be paid for directly, but will be considered subsidiary to the bid item "18" Cross Road Pipe (CMP)(Siltation Pond)" when ponds are shown in the plans to be constructed. When no locations for ponds are shown on the plans and it becomes necessary to construct siltation ponds, the work shall be paid by force account under the bid item "Temporary Water Pollution Control". The Siltation Ponds shall be removed by District forces after seeding has been established if desired by the respective land owners.

NOTE:
All dimensions are approximate.

NO.	DATE	REVISIONS	BY	APP'D
3				
2				
1				

KANSAS DEPARTMENT OF TRANSPORTATION

TEMPORARY PROJECT WATER POLLUTION CONTROL (SOIL EROSION)

STD. NO. 852B

F.H.W.A. APPROVAL			3-28-90	APP'D	Carroll L. Morgenson		
DESIGNED	MLH	DETAILED	ROR	QUANTITIES		TRACED	
DESIGN CK.	CLM	DETAIL CK.	CLM	QUAN. CK.		TRACE CK.	