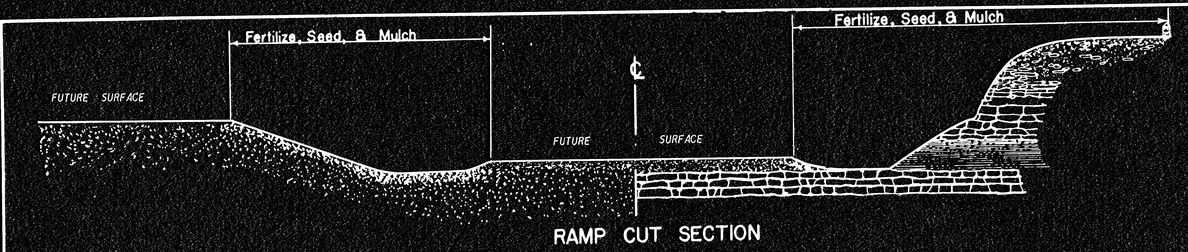
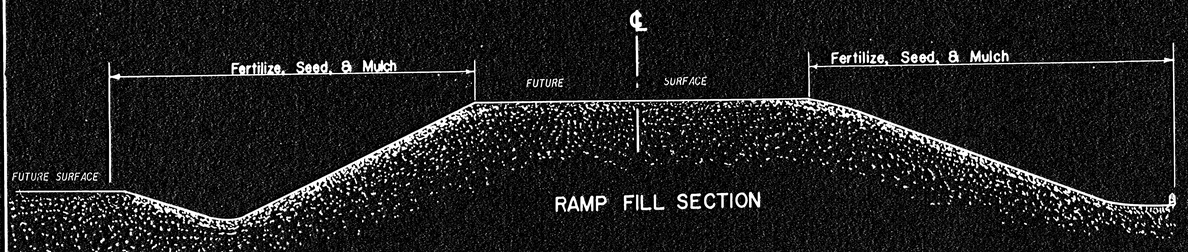
| FHWA REG. | STATE | PROJECT NO. | YEAR | SHEET NO. | TOTAL SHEETS |
|---|---|---|---|---|---|
| 7 | KANSAS | 96-87 044-1(13) | 1976 | 224 | 557 |

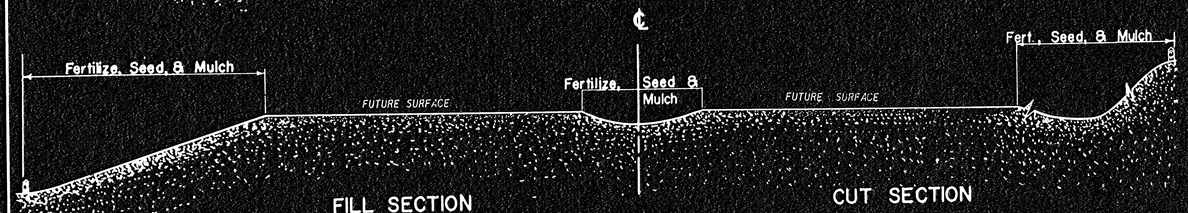
PHASE II, PHASE IV




RAMP CUT SECTION




RAMP FILL SECTION




FILL SECTION CUT SECTION

TYPICAL SECTION — DUAL PAVEMENT

All disturbed areas within the Right of Way excepting steep rocky slopes and areas of undisturbed native sod or other desirable vegetation shall be fertilized, 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.

The amount of mulch in the bid quanities is estimated. The total mulch required shall be determined in the field. Mulch shall be spread uniformly over all disturbed areas and punched into the soil, unless otherwise noted on the plans.

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 project water pollution (Soil Erosion) items or water pollution control (Soil Erosion) (Lump Sum) will be finished in reasonably close conformity to the alignment, grade and cross section shown on the plans or as established by the engineer.

The rate of application per acre, thickness in place for the various mulching materials are as follows:

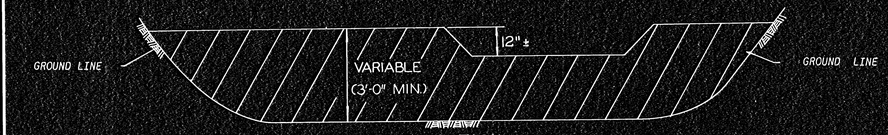
| | | | |
|---|---|---|---|
| Prairie Hay Mulching | 1½ - 2½ tons per acre | = | 1½" loose depth spread uniformly over acre. |
| Bromegrass Mulching | 1½ - 2½ tons per acre | = | 1½" loose depth spread uniformly over acre. |
| Wheat or Oats Straw Mulching | 1½ - 2 tons per acre | = | 3" loose depth spread uniformly over acre. |
| Wood Chips Mulching | 4 - 5 tons per acre | = | 1"-2" loose depth spread uniformly over acre. |
| Other vegetative mulches may be acceptable, if Engineer concurs. | | | |

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.

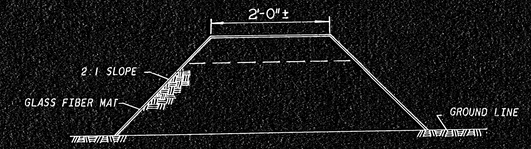
Fertilizer Note: * A ratio and application rate that equals or exceeds the required minimum rate per acre of N - $P_2O_5$ - $K_2O$ listed in Summary of Quantities will be acceptable.

## SUMMARY OF QUANTITIES

| RATE | ACRES PHASE II | ACRES PHASE VI | ITEM | BID QUANTITIES PHASE II | BID QUANTITIES PHASE IV | UNIT |
|---|---|---|---|---|---|---|
| 350 * | 57 | 25 | * Fertilizer (12-24-12) | 19,950 | 8,750 | lbs. |
| 20 | 57 | 25 | Italian Ryegrass Seed | 1,140 | 500 | lbs. |
| | | | Water Pollution Control (Soil Erosion) | Lump Sum | Lump Sum | L.S. |
| | | | Mulching | 57 | 25 | acres |



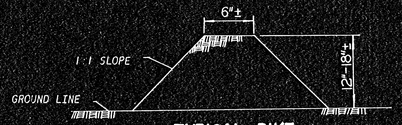

ELEVATION




CROSS SECTION

Cover dike with glass fiber mat and treat similar to glass fiber mat ditch lining (Type I). The dike and basin shall be of sufficient size to handle the anticipated silt load. The basin shall be utilized at locations of expected heavy silt carrying runoff from slopes, terraces or other similar areas.

TYPICAL DIKE FOR SILTING BASIN




TYPICAL DIKE

This dike may be used at any location, slopes, ditches, edges of shoulders, etc., that may be deemed neccessary. The dike may drain into a silting area or may be drained down a flume constructed similar to glass fiber ditch lining (Type I).

NOTE: Rounding or softening toe of slope and top of slope on dikes, etc., shall be required.

| NO. | DATE | REVISIONS | BY | APP'D |
|---|---|---|---|---|
| 3 | 11-5-75 | Added Mulching Note | L.F.P. | C.L.N. |
| 2 | 8-8-73 | Deleted Hydraulic Seeding Note | L.F.P. | C.L.N. |
| 1 | 10-8-71 | Added Fertilizer Note | L.F.P. | L.M.G. |

KANSAS DEPARTMENT OF TRANSPORTATION

# TEMPORARY PROJECT WATER POLLUTION CONTROL (SOIL EROSION)

| | | | |
|---|---|---|---|
| SHEET NO. OF | SCALE No Scale | APP'D | |
| DESIGNED F.T.R. | DETAILED E.G.M. | QUANTITIES | TRACED H.L.H. |
| DESIGN CK. F.T.R. | DETAIL CK. L.M.G. | QUAN. CK. | TRACE CK. F.T.R. |