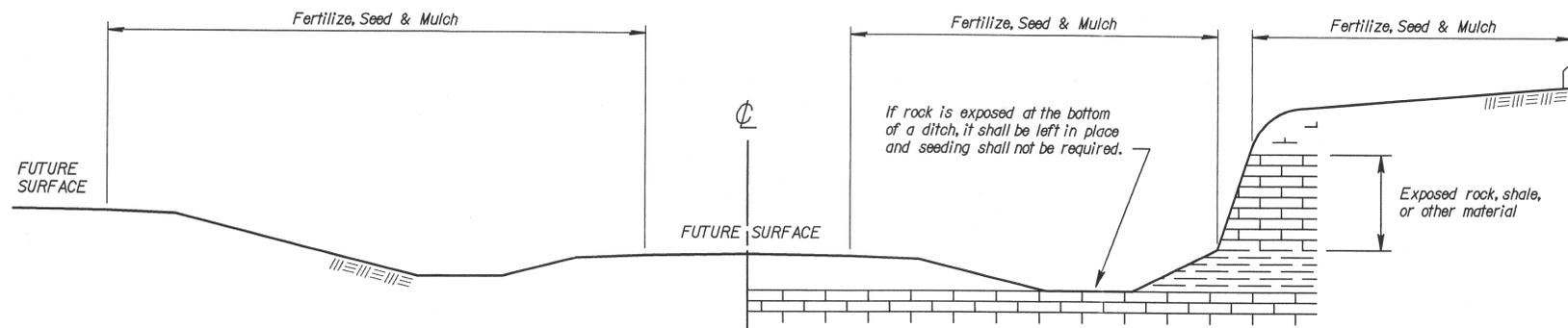
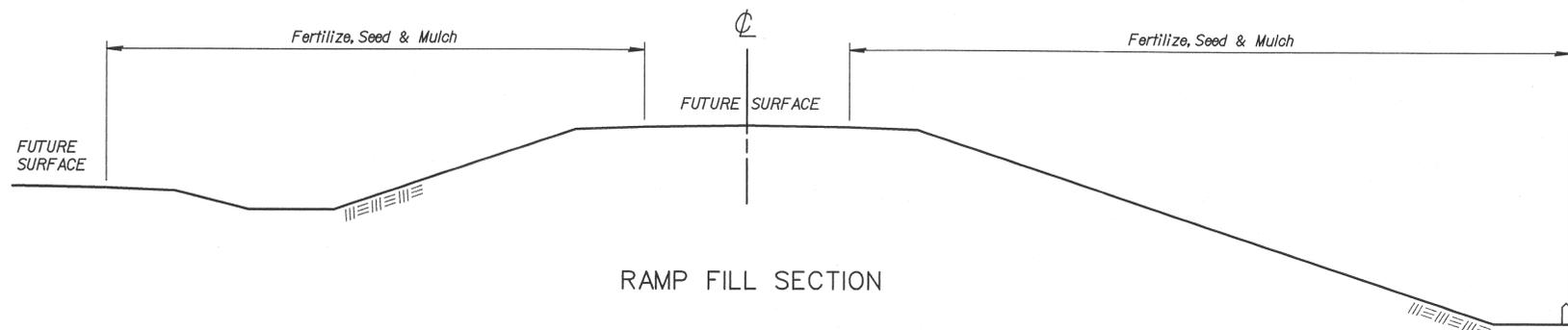


|        |              |      |           |              |
|--------|--------------|------|-----------|--------------|
| STATE  | PROJECT NO.  | YEAR | SHEET NO. | TOTAL SHEETS |
| KANSAS | 52 U-1785-01 | 2003 | 42        | 143          |

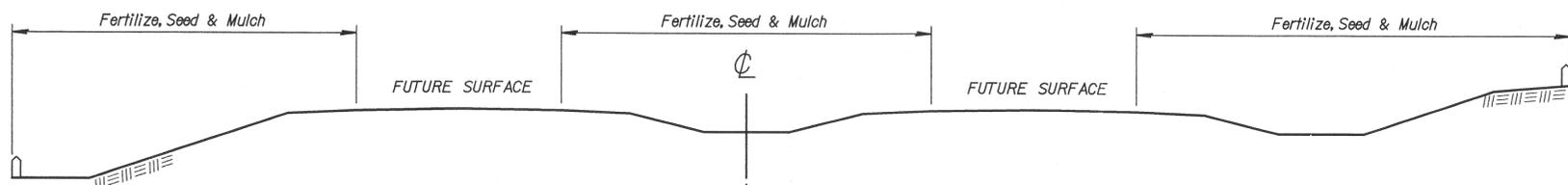
|       |           |                  |                    |
|-------|-----------|------------------|--------------------|
| DATE  | BY        | REFERENCES NOTED | REFERENCES CHECKED |
| 9-01  | M Adams   |                  |                    |
| 11-01 | R Shegman |                  |                    |



RAMP CUT SECTION



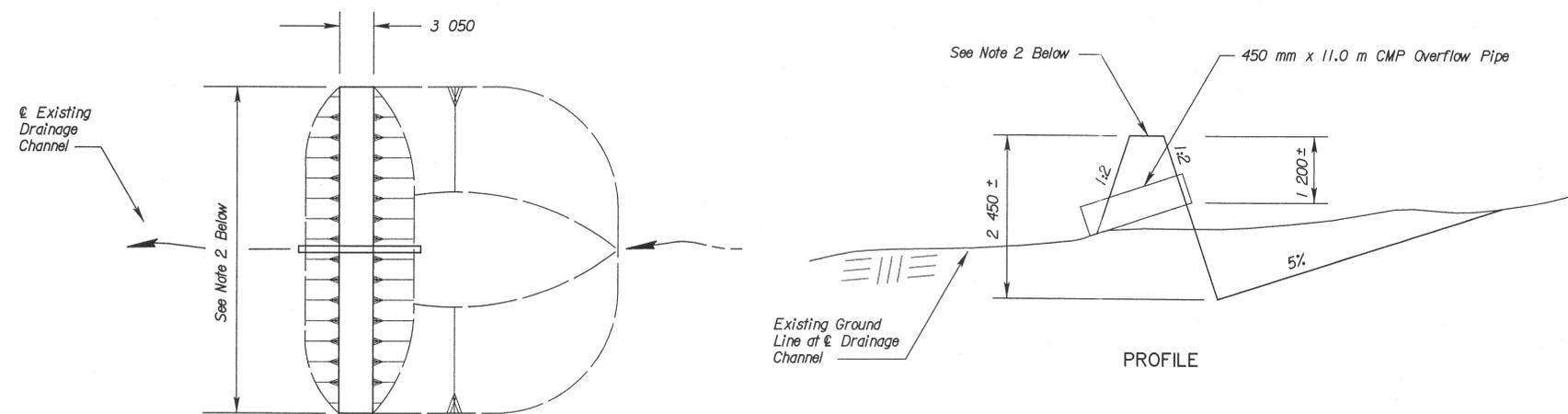
RAMP FILL SECTION



FILL SECTION

CUT SECTION

TYPICAL SECTION -- DUAL PAVEMENT



PLAN

TEMPORARY SEDIMENT BASIN

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.

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.

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.

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.

All mulch shall be noxious weed free native prairie hay.

Other vegetative mulches (acceptable only with the Engineer's concurrence).

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

| P.L.S. RATE/ HECTARE | HECTARES | BID ITEM                         | QUANTITY | UNIT |
|----------------------|----------|----------------------------------|----------|------|
| 115 kg               | 2.32     | Fertilizer ( 15-30-15 )          | 267      | kg   |
| 25 kg                | 2.32     | Canada Wildrye Grass Seed        | 58.0     | kg   |
| 25 kg                | 2.32     | Ryegrass Seed                    | 58.0     | kg   |
|                      |          | Agricultural Limestone           |          | Mg   |
|                      |          | Temporary Berm                   |          | m    |
|                      |          | Temporary Ditch Check (Rock)     |          | cu m |
|                      |          | Temporary Ditch Check            | 30       | m    |
|                      |          | Temporary Inlet Sediment Barrier | 4        | Each |
|                      |          | Temporary Sediment Basin         |          | cu m |
|                      |          | Temporary Slope Barrier ( Set )  | 1        | m    |
|                      |          | Temporary Slope Drain            |          | m    |
|                      |          | Temporary Stream Crossing        |          | Each |
|                      |          | Sediment Removal ( Set )         | 1        | cu m |
|                      |          | Mulch Tacking Slurry             |          | ha   |
|                      |          | Mulching ( Temporary )           | 2.3      | ha   |

SUMMARY OF SEEDING QUANTITIES: PROJECTS LESS THAN 0.4 HA.

| P.L.S. RATE/ HECTARE | HECTARES | BID ITEM                        | QUANTITY | UNIT |
|----------------------|----------|---------------------------------|----------|------|
|                      |          | Fertilizer ( * - * - * )        |          | kg   |
|                      |          | Canada Wildrye Grass Seed       |          | kg   |
|                      |          | Ryegrass Seed                   |          | kg   |
|                      |          | 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 |
|                      |          | 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.

- \* - N = Nitrogen Rate of Application
- \*\* - P<sub>2</sub>O<sub>5</sub> = Phosphorous Rate of Application
- \*\*\* - K<sub>2</sub>O = Potassium Rate of Application

FERTILIZER: A ratio and application rate that equals or exceeds the required minimum rate per hectare of N, P<sub>2</sub>O<sub>5</sub>, K<sub>2</sub>O listed in Summary of Quantities will be acceptable.

|     |         |                  |     |       |
|-----|---------|------------------|-----|-------|
| 5   |         |                  |     |       |
| 4   |         |                  |     |       |
| 3   | 3/01/04 | Revised Standard | FCM | SHS   |
| 2   | 7/18/03 | Revised Standard | FCM | SPV   |
| 1   | 5/10/99 | Revised Standard | WCL | RDR   |
| NO. | DATE    | REVISIONS        | BY  | APP'D |

KANSAS DEPARTMENT OF TRANSPORTATION

TEMPORARY EROSION AND POLLUTION CONTROL

|            |     |            |     |            |           |     |
|------------|-----|------------|-----|------------|-----------|-----|
| DESIGNED   | FCM | DETAILED   | FCM | QUANTITIES | TRACED    | FCM |
| DESIGN CK. | SHS | DETAIL CK. | SHS | QUAN. CK.  | TRACE CK. | SHS |

Plotted : 6/4/2004  
 Drawn BY : Iward\_Civil/Pak  
 Section : \$\$\$KD07GRP\$\$\$\$  
 File : \A\0154\101541\0852051.dgn