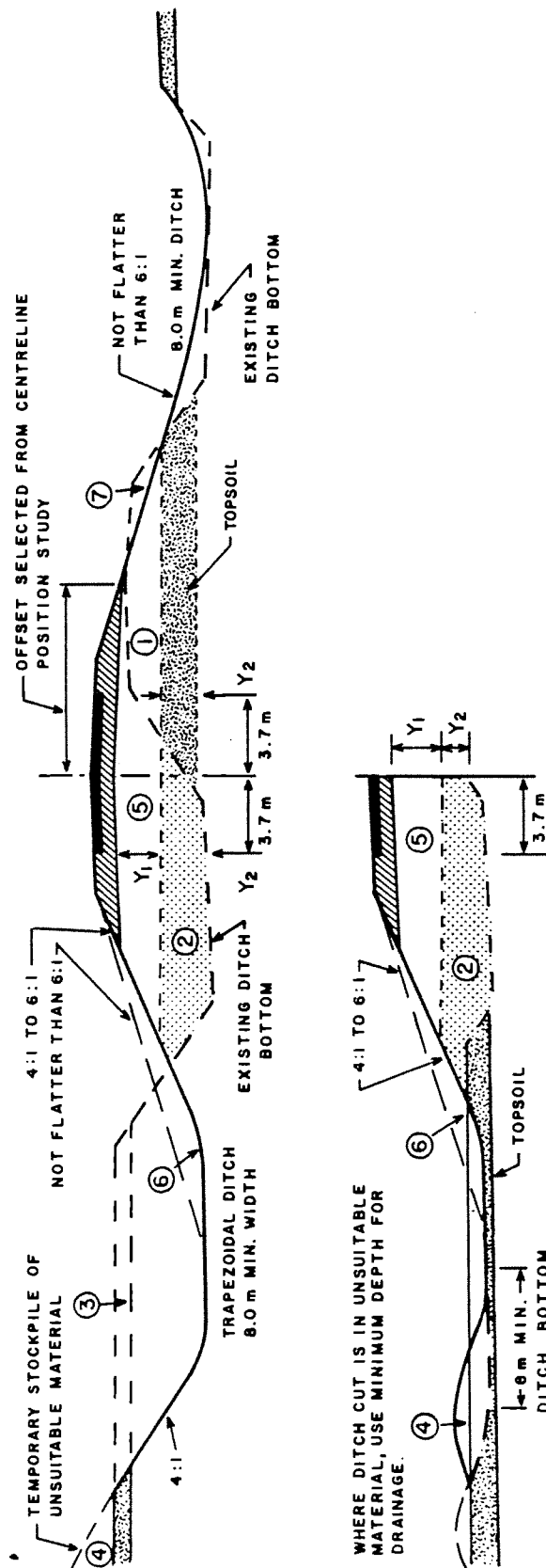




RECONSTRUCTION ON OFFSET CENTRELINE

NOTES:

- For purposes of this plan, unsuitable materials include organic soils and topsoil. Allowable depths of suitable (Y_1) and unsuitable (Y_2) soil are to be as specified in the Special Provisions and outlined on the Standard Plan 22022.
- Where subcut of the existing subgrade is necessary, the material excavated (1) is to be placed in the area for disposal of unsuitable material (2) or disposed of as directed by the Engineer. Ends of the subcut are to be tapered at 8:1.
- Topsoil is to be stripped from trapezoidal ditches (3) and placed in the area for disposal of unsuitable material (2). If necessary, topsoil may be stockpiled temporarily along the edge of right of way (4) or disposed of as directed by the Engineer.
- Embankment (5) is to be built of suitable material from trapezoidal ditches or from borrow pits. No topsoil is to be used in this part of the embankment. Minimum cover of suitable material over unsuitable material is to be 0.6 m. Ditches are not to be widened above the minimum width in order to bring topsoil up to 0.6 m below grade. Prior to placing topsoil in the centre 7.4 m of the subgrade, maximum use shall be made of the area under the shoulders.
- If temporarily stockpiled along the edge of right of way, topsoil (4) may be used to flatten embankment sideslopes or placed in the new ditch bottom (6), or shall be disposed of as directed by the Engineer. Where ditch cut will be mostly in unsuitable material, use minimum ditch cut for drainage. Sideslopes (6) may be flattened to 6:1 if necessary to dispose of unsuitable material from ditches or existing subgrade.
- Material excavated from existing subgrade (7) is to be placed in the existing ditch bottom or disposed of as directed by the Engineer.

RECOMMENDED:

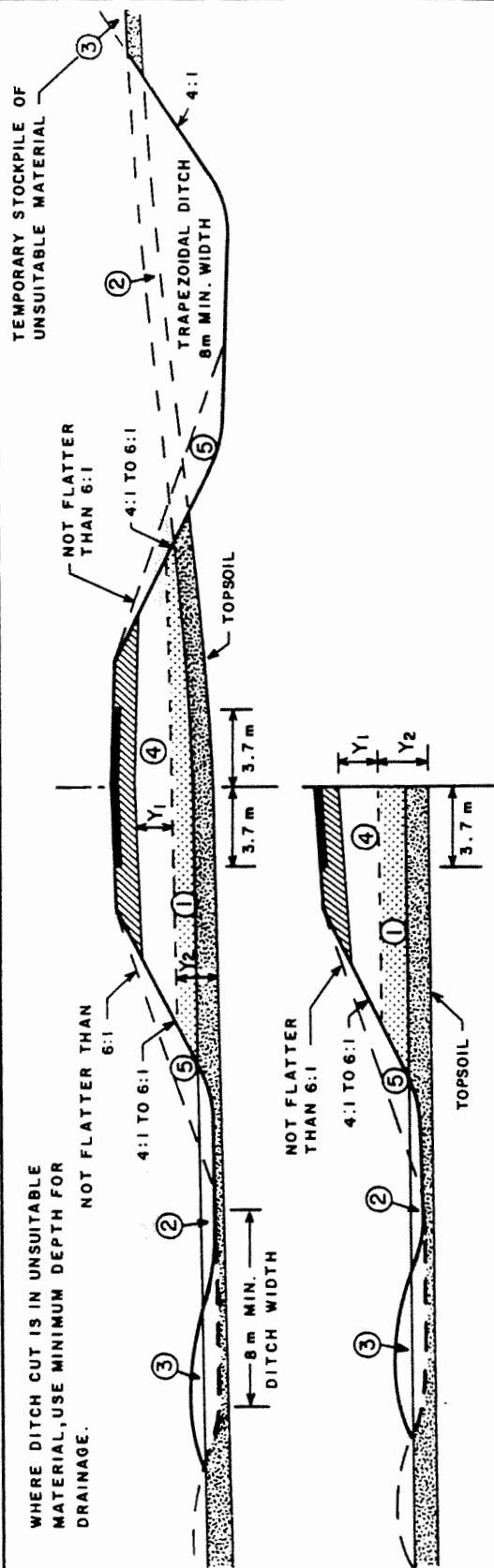
F. W. Jamieson
ACTING MAINTENANCE ENGINEER
APPROVED:
[Signature]
CHIEF ENGINEER

DATE: APRIL 4, 1980

SASKATCHEWAN DEPARTMENT OF HIGHWAYS

SUBGRADE CONSTRUCTION
FOR ROADS TO BE PAVED

STANDARD
PLAN
No.
22020
PAGE 1 OF 3



NEW CONSTRUCTION

NOTES:

- For purposes of this plan, unsuitable materials include organic soils and topsoil.
- Topsoil is to be placed or excavated in fill sections so that the depths of suitable (Y_1) and unsuitable (Y_2) soils are to be as specified in the Special Provisions and outlined on Standard Plan 22022. Ends of the subcut are to be tapered at 8:1.
- Topsoil is to be stripped from trapezoidal ditches (2) and placed in the area for disposal of unsuitable material (1). If necessary, topsoil may be temporarily stockpiled along the edge of right of way (3) or disposed of as directed by the Engineer.
- Embankment (4) is to be built from trapezoidal ditches or from borrow pits. No topsoil is to be used in this part of the embankment. Minimum cover of suitable material over unsuitable material is to be 0.6m. Ditches are not to be widened above minimum width in order to bring topsoil up to 0.6m below grade. Prior to placing topsoil in the centre 7.4m of the subgrade, maximum use shall be made of the area under the shoulders.
- If temporarily stockpiled along edge of right of way, topsoil (3) may be used to flatten embankment side-slopes or placed in new ditch bottom (5), or shall be disposed of as directed by the Engineer. Where ditch cut will be mostly in unsuitable material, use minimum ditch cut for drainage. Sideslopes (5) may be flattened to 6:1 if necessary to dispose of unsuitable material from ditches or existing subgrade.

RECOMMENDED:

F. V. Jamieson
ACTING MAINTENANCE ENGINEER

APPROVED:

[Signature]
CHIEF ENGINEER

DATE: APRIL 4, 1980

SASKATCHEWAN DEPARTMENT OF HIGHWAYS

SUBGRADE CONSTRUCTION FOR ROADS TO BE PAVED

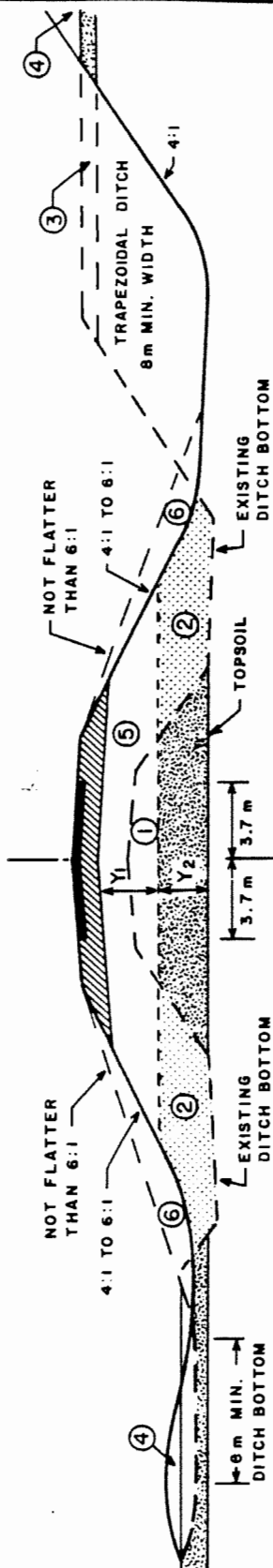
STANDARD

PLAN

No.

22020

PAGE 2 OF 3



RECONSTRUCTION ON COINCIDING CENTRELINES

NOTES:

- (a) For purposes of this plan, unsuitable materials include organic soils and topsoils.
- (b) Where the existing subgrade is in good condition do not subcut existing subgrade.
- (c) Where existing subgrade has failed, excavate centre 7.4 m of existing subgrade (1) and place excavated material in existing ditch bottom or in area for disposal of unsuitable material (2). Ends of subcut are to be tapered at 8:1. Allowable depths of suitable (Y_1) and unsuitable (Y_2) soil are to be as specified in the Special Provisions and outlined on Standard Plan 22022.
- (d) Topsoil is to be stripped from trapezoidal ditches (3) and placed in the area for disposal of unsuitable material (2). If necessary, topsoil may be temporarily stockpiled along the edge of right of way (4) or disposed of as directed by the Engineer.
- (e) Embankment (5) is to be built of suitable material from trapezoidal ditches or from borrow pits. No topsoil is to be used in this part of the embankment. Minimum cover of suitable material over unsuitable material is to be 0.6m. Ditches are not to be widened above minimum width in order to bring topsoil up to 0.6m below grade. Prior to placing topsoil in the centre 7.4 m of the subgrade, maximum use shall be made of the area under the shoulders.
- (f) If temporarily stockpiled along the edge of right of way, topsoil (4) may be used to flatten embankment sideslopes or placed in the new ditch bottom (6), or shall be disposed of as directed by the Engineer. Where ditch cut will be mostly in unsuitable material, use minimum ditch cut for drainage. Sideslopes (6) may be flattened to 6:1 if necessary to dispose of unsuitable material from ditches or existing subgrade.

RECOMMENDED:

F. V. Jamieson
ACTING MAINTENANCE ENGINEER

APPROVED:

[Signature]
CHIEF ENGINEER

DATE: APRIL 4, 1980

SASKATCHEWAN DEPARTMENT OF HIGHWAYS

SUBGRADE CONSTRUCTION FOR ROADS TO BE PAVED

STANDARD

PLAN

No.

22020

PAGE 3 OF 3