

CONSTRUCTION MATERIALS

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. See text for definitions of terms used in this table. Absence of an entry indicates that no rating is applicable.)

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
61: Arveson-----	Poor: wetness	Probable	Improbable: too sandy	Poor: wetness
Tiffany-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Arveson, SALINE-----	Poor: wetness	Probable	Improbable: too sandy	Poor: excess salt wetness
Wyndmere-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Hamar-----	Fair: wetness	Probable	Improbable: too sandy	Poor: too sandy
Manfred-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt wetness
Rosewood-----	Poor: wetness	Probable	Improbable: too sandy	Poor: too sandy wetness
118: Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Langhei-----	Fair: low strength slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Vallars-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
120: Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Brantford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Langhei-----	Fair: low strength slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
156: Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
167: Bearden-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Perella-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Overly-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Bearden, SALINE-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Wyndmere-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: thin layer

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Enloe-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
296: Brantford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Vang-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim small stones
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Coe-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Kensal-----	Good	Probable	Probable	Poor: area reclaim small stones
Renshaw-----	Poor: wetness	Probable	Improbable: too sandy	Poor: too sandy wetness
314: Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones too clayey
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Lamoure-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
319: Buse-----	Poor: low strength slope	Improbable: excess fines	Improbable: excess fines	Poor: slope

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: slope
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: slope
Langhei-----	Fair: low strength slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Lamoure-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Vang-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim small stones
Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Maddock-----	Fair: slope	Probable	Improbable: too sandy	Poor: slope too sandy
391: Cresbard-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium too clayey
Cavour-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt too clayey
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Ferney-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt
Hamerly, SALINE-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Edgeley-----	Poor: low strength depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
450: Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Perella-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Marysland-----	Poor: wetness	Probable	Probable	Poor: area reclaim small stones wetness
Bearden-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Wyndmere-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
511: Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Wyrene-----	Fair: wetness	Probable	Probable	Poor: small stones
Marysland-----	Poor: wetness	Probable	Probable	Poor: area reclaim small stones wetness
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Hamar-----	Poor: wetness	Probable	Improbable: too sandy	Poor: too sandy wetness
536: Zell-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Eckman-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Gardena-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Overly-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Bearden-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
539: Edgeley-----	Poor: low strength depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Walsh-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Cresbard-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium too clayey
Hamerly, SALINE-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Kloten-----	Poor: area reclaim thin layer	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
541: Edgeley-----	Poor: low strength depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Kloten-----	Poor: area reclaim thin layer	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
Brantford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Walsh-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Cresbard-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium too clayey
Vang-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim small stones
569: Embden-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Embden, GRAVEL SUBSTRATUM-----	Good	Probable	Probable	Fair: area reclaim
Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Egeland-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tiffany-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Perella-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Wyndmere-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: thin layer

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
579: Embden-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Egeland-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Zell-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Glyndon-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Tiffany-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Wyndmere-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
595: Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Cathay-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Heimdal-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Larson-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Towner-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
Esmond-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
597: Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Heimdal-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
Esmond-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Lanona-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tiffany-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
605: Esmond-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones
Heimdal-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones
Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
753: Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Heimdal-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Wyndmere, SALINE-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
769: Gardena-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Overly-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Eckman-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Glyndon-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Bearden-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Lindaas-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: thin layer wetness
Zell-----	Good	Improbable: excess fines	Improbable: excess fines	Good
773: Gardena-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Eckman-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Great Bend-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: too clayey
Overly-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Bearden-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Zell-----	---	---	---	---
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Lankin-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
881: Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Cresbard-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium too clayey

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Hamerly, SALINE-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
884: Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Hamerly, SALINE-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
893: Harriet-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt too clayey wetness
Manfred-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt wetness
Colvin, SALINE-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt wetness
Stirum-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt wetness
Ojata-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt wetness
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Bearden-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
988: Heimdal-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Esmond-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Coe-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Cathay-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
998: Heimdahl-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Esmond-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1001: Esmond-----	Poor: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Heimdahl-----	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Sioux-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Maddock-----	Fair: slope	Probable	Improbable: too sandy	Poor: slope too sandy

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Coe-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Dickey-----	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope too sandy
1015: Kensal-----	Good	Probable	Probable	Poor: area reclaim small stones
Walum-----	Good	Probable	Probable	Poor: area reclaim too sandy
Overly-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Gardena-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Coe-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
1062: Ladelle-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Wahpeton-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Laprairie-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: too clayey
Ludden-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Rauville-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Velva-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Lamoure-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
1108: Larson-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Cathay-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Uranda-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt
Fram, SALINE-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Esmond-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1188: Ludden, NONSALINE-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Ludden, SALINE-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Ladelle-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Rauville-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Lamoure-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
1189: Ludden, SALINE-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Ludden, NONSALINE-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Ryan-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt too clayey wetness
Ladelle-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Lamoure-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Rauville-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
1221: Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Hecla-----	Good	Probable	Improbable: too sandy	Poor: too sandy

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Serden-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Towner-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
Coe-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Dickey-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
Esmond-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1267: Marysland-----	Poor: wetness	Probable	Probable	Poor: area reclaim small stones wetness
Marysland, SALINE-----	Poor: wetness	Probable	Improbable: too sandy	Poor: excess salt wetness
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Wyrene-----	Fair: thin layer	Improbable: thin layer	Improbable: thin layer	Poor: small stones too sandy
1268: Marysland-----	Poor: wetness	Probable	Probable	Poor: wetness
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Marysland-----	Poor: wetness	Probable	Probable	Poor: area reclaim small stones wetness
Lamoure-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Southam-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Tiffany-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1427: Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Grano-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Southam-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
1454: Wyndmere-----	Fair: thin layer wetness	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Wyrene-----	Fair: wetness	Probable	Probable	Poor: small stones
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Tiffany-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Embden-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Hamar-----	Fair: wetness	Probable	Improbable: too sandy	Poor: too sandy
Arveson-----	Poor: wetness	Probable	Improbable: too sandy	Poor: wetness
1466: Pits, Sand And Gravel---	Poor: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Sioux-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Arvilla-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Water-----	---	---	---	---

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
1710: Southam-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Water-----	---	---	---	---
Colvin, SALINE-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt wetness
1762: Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
Cresbard-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium too clayey
Vang-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim small stones
1765: Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Brantford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Swenoda-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1766: Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Brantford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Towner-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
1769: Cresbard-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium too clayey
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Cavour-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt too clayey
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Ferney-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
1781: Swenoda-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Lanona-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Svea-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Towner-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tiffany-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
1843: Towner-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Swenoda-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tiffany-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Hamar-----	Fair: wetness	Probable	Improbable: too sandy	Poor: too sandy
Grimstad-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
1883: Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Hamerly-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Vallers, SALINE-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt wetness
Marysland-----	Poor: wetness	Probable	Probable	Poor: area reclaim small stones wetness

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Southam-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Perella-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
1886: Hamerly-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Vallers-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt wetness
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
Cavour-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt too clayey
Ferney-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt
1970: Walum-----	Good	Probable	Probable	Poor: area reclaim too sandy
Wyrene-----	Fair: wetness	Probable	Probable	Poor: small stones
Embden-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Coe-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
1978: Water-----	---	---	---	---

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Colvin-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Southam-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
2118: Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
Heimdal-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Glyndon-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Wyndmere-----	Fair: thin layer wetness	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
2121: Ferney-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt
Hamerly, SALINE-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Cavour-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt too clayey
Manfred-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt wetness
Wyard-----	Fair: shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim small stones
Cresbard-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium too clayey
Marysland, SALINE-----	Poor: wetness	Probable	Improbable: too sandy	Poor: excess salt wetness
2151: Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Coe-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Brantford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Vang-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim small stones
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Kensal-----	Good	Probable	Probable	Poor: area reclaim small stones
Marysland-----	Poor: wetness	Probable	Probable	Poor: area reclaim small stones wetness
Walum-----	Good	Probable	Probable	Poor: area reclaim too sandy
2152: Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Vang-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim small stones
Heimdal-----	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Esmond-----	Poor: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Brantford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Fram-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
2153: Edgeley-----	Poor: low strength depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: slope small stones
Kloten-----	Poor: area reclaim thin layer	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim slope

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Esmond-----	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Walsh-----	---	---	---	---
Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Egeland-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Lamoure, CHANNELED-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Mekinock-----	Poor: area reclaim low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt too clayey
Nutley-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: slope too clayey
2156: Lamoure-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Rauville-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Marysland-----	Poor: wetness	Probable	Probable	Poor: area reclaim small stones wetness
Velva-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Divide-----	Fair: wetness	Probable	Probable	Poor: area reclaim small stones too sandy
Fairdale-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Good
Harriet-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt too clayey wetness
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
2157: Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Esmond-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones
Embden-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Serden-----	Good	Probable	Improbable: too sandy	Poor: too sandy

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Heimdall-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: slope small stones
Hecla-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Ulen-----	Fair: wetness	Probable	Improbable: too sandy	Poor: too sandy
2158: Velva-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Banks-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Rauville-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Lamoure-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Ladelle-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
Tiffany-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Water-----	---	---	---	---
2159: Walsh-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Sinai-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Nutley-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Edgeley-----	Poor: low strength depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Kensal-----	Good	Probable	Probable	Poor: area reclaim small stones
2196: Colvin, SALINE-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt wetness

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Bearden, SALINE-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Bearden, NONSALINE-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Colvin, NONSALINE-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Exline-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt too clayey
Harriet-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt too clayey wetness
Colvin, SALINE-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess salt wetness
Perella-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
2197: Edgeley-----	Poor: low strength depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Kloten-----	Poor: area reclaim thin layer	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim
Heimdal-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Nutley-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Walsh-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Cavour-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt too clayey
Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Darnen-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Good
2198: Hamar-----	Fair: wetness	Probable	Improbable: too sandy	Poor: too sandy
Hecla-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Ulen-----	Fair: wetness	Probable	Improbable: too sandy	Poor: too sandy
Arveson-----	Poor: wetness	Probable	Improbable: too sandy	Poor: wetness
Towner-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too sandy

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Wyndmere-----	Fair: wetness	Improbable: excess fines	Improbable: excess fines	Fair: thin layer
Fossum-----	Poor: wetness	Probable	Improbable: too sandy	Poor: too sandy wetness
Letcher-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
2199: Hamerly, VERY STONY-----	Fair: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Fair: area reclaim large stones
Barnes, VERY STONY-----	Fair: low strength	Improbable: excess fines	Improbable: excess fines	Poor: large stones
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Tonka, VERY STONY-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
Parnell-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: wetness
Cresbard-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium too clayey
Hamerly, SALINE-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Cavour-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt too clayey
2200: Letcher-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Swenoda-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Lanona-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Cathay-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Lemert-----	Good	Improbable: thin layer	Improbable: too sandy	Poor: excess sodium too sandy
Stirum-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt wetness
Wyndmere-----	Fair: thin layer wetness	Improbable: excess fines	Improbable: excess fines	Fair: thin layer

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Towner-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
2201: Stirum-----	Poor: wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt wetness
Arveson, SALINE-----	Poor: wetness	Probable	Improbable: too sandy	Poor: excess salt wetness
Marysland, SALINE-----	---	---	---	---
Hamar-----	Fair: wetness	Probable	Improbable: too sandy	Poor: too sandy
Manfred-----	Poor: low strength shrink-swell wetness	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium excess salt wetness
Gilby, SALINE-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: excess salt
Letcher-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: excess sodium
Marysland-----	Poor: wetness	Probable	Probable	Poor: area reclaim small stones wetness
2202: Swenoda-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Barnes-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Gardena-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Towner-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Tonka-----	Poor: low strength wetness	Improbable: excess fines	Improbable: excess fines	Poor: too clayey wetness
2203: Swenoda-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Barnes-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey
Buse-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones too clayey

CONSTRUCTION MATERIALS--Continued

Map symbol and soil name	Roadfill	Sand	Gravel	Topsoil
Maddock-----	Good	Probable	Improbable: too sandy	Poor: too sandy
Binford-----	Good	Probable	Probable	Poor: area reclaim small stones too sandy
Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Towner-----	Fair: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too sandy
Vallers-----	Fair: low strength wetness	Improbable: excess fines	Improbable: excess fines	Fair: small stones
2204: Walsh-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Sinai-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Barnes-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Nutley-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Edgeley-----	Poor: low strength depth to rock	Improbable: excess fines	Improbable: excess fines	Poor: small stones
Wahpeton-----	Poor: low strength shrink-swell	Improbable: excess fines	Improbable: excess fines	Poor: too clayey
Vang-----	Good	Improbable: excess fines	Improbable: excess fines	Poor: area reclaim small stones
2205: Zell-----	Fair: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope
Eckman-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: slope
Gardena-----	Good	Improbable: excess fines	Improbable: excess fines	Good
Emrick-----	Good	Improbable: excess fines	Improbable: excess fines	Fair: small stones
Maddock-----	Fair: slope	Probable	Improbable: too sandy	Poor: slope too sandy
Great Bend-----	Poor: low strength	Improbable: excess fines	Improbable: excess fines	Fair: too clayey
Coe-----	Fair: slope	Probable	Probable	Poor: area reclaim small stones too sandy
Esmond-----	Poor: slope	Improbable: excess fines	Improbable: excess fines	Poor: slope

