Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
COLLINGSWORTH COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
Bn	HEATLY	0.07
Bn	NOBSCOT	0.13
MaB	VEAL	0.16
MaC	VEAL	0.16
MaD	VEAL	0.16
Md	VEAL	0.16
MeA	MILES	0.19
MeA	ALTUS	0.13
MfB	MILES	0.19
MfC	MILES	0.19
MfC2	MILES	0.19
MlB	MILES	0.08
MlC	MILES	0.08
Ms3	MILES	0.08
SfC	SPRINGER	0.12
SfD	SPRINGER	0.12
SgB	SPRINGER	0.06
SgD	SPRINGER	0.06
Sn	HEATLY	0.07
Sn	SPRINGER	0.12
WoB	WOODWARD	0.25
WoC	WOODWARD	0.25
WUC	WOODWARD	0.25
WuC	QUINLAN	0.52
Ya	YAHOLA	0.14

USDA, NRCS, TEXAS
WELLINGTON FIELD OFFICE
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Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
WHEELER COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
Af	ALTUS	0.13
BmD	MANSKER	0.77
BmD	BERDA	0.32
Cm	CLAIREMONT	0.98
CoB	COBB	0.25
CoC	COBB	0.25
DeB	DELWIN	0.13
DfC3	DELWIN	0.13
DlB	DEVOL	0.15
DlD	DEVOL	0.15
DmC3	DEVOL	0.15
GdB	GRANDFIELD	0.17
DdD	GRANDFIELD	0.17
GfA	GRANDFIELD	0.14
GfB	GRANDFIELD	0.14
GfC	GRANDFIELD	0.14
GfC2	GRANDFIELD	0.14
GrD3	GRANDFIELD	0.17
Gu	GUADALUPE	0.33
HaC	HARDEMAN	0.26
HaD	HARDEMAN	0.26
LkB	LIKES	0.09
Ln	LINCOLN	0.16
MaB	QUANAH	0.60
MaB	MANSKER	0.77
MaC	QUANAH	0.60
MaC	MANSKER	0.77
MrC	MOBEETIE	0.31
MrD	MOBEETIE	0.31
ObC2	OBARO	1.00
OuD	QUINLAN	0.52
OuD	OBARO	1.00
PtB	NOBSCOT	0.13
VeC	VEAL	0.16

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ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
OLDHAM COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
1	ACUFF	0.15
2	ACUFF	0.15
3	ACUFF	0.15
4	AMARILLO	0.06
5	AMARILLO	0.12
6	AMARILLO	0.12
7	AMARILLO	0.12
9	BIPPUS	0.37
11	CLAIREMONT	0.98
12	ESTACADO	0.13
13	ESTACADO	0.13
14	ESTACADO	0.13
15	GRACEMORE	0.23
18	LIKES	0.09
19	LINCOLN	0.16
22	MOBEETIE	0.31
23	MOBEETIE	0.31
28	OLTON	1.00
29	OLTON	1.00
30	POSEY	0.36
31	POSEY	0.36
36	QUAY	0.79
39	SPRINGER	0.06
40	BIPPUS	0.37
40	SPUR	0.74
43	YOMONT	0.33

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
SWISHER COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
DrB	DRAKE	0.27
DrC	DRAKE	0.27
MeA	ESTACADO	0.13
MeA	MANSKER	0.77
MeB	ESTACADO	0.13
MeB	MANSKER	0.77
MeC	PEP	1.00
MeC	MANSKER	0.77
MtD	MANSKER	0.77
MtD	TULIA	0.34
TlA	TULIA	0.34
TlB	TULIA	0.34
TuC	TULIA	0.34

USDA, NRCS, TEXAS
TULIA FIELD OFFICE
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Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
LYNN COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
Aa	AMARILLO	0.12
Ab	AMARILLO	0.12
Ae	ARCH	0.27
Ag	ARCH	0.20
Ah	SHARVANA	0.16
Ak	ARVANA	0.18
Am	ARVANA	0.18
Ba	PATRICIA	0.06
Bb	BROWNFIELD	0.06
Bc	BROWNFIELD	0.06
Da	DRAKE	0.27
Db	DRAKE	0.27
La	BERDA	0.32
Ma	MANSKER	0.29
Mb	MANSKER	0.29
Pa	MIDESSA	0.17
Pb	PORTALES	0.19
Pc	PORTALES	0.25
Pd	PORTALES	0.25
Za	ZITA	0.12
Zb	ZITA	0.12
Zc	ZITA	0.20
Ac	Acuff	0.15
Ad	Acuff	0.15

USDA, NRCS, TEXAS
TAHOKA FIELD OFFICE
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ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
DICKENS COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
BPF	BERDA	0.59
BW	HEATLY	0.07
BW	NOBSCOT	0.13
BmD	MANSKER	0.77
BmD	BERDA	0.59
Bv	YOMONT	0.33
CoB	COTTONWOOD	0.68
EnB	ENTERPRISE	0.19
EnC	ENTERPRISE	0.19
Lc	LINCOLN	0.16
Ln	LINCOLN	0.10
Ma	MANGUM	0.75
McB	MANSKER	0.77
McC	MANSKER	0.77
Ml	ALTUS	0.13
Me	ALTUS	0.16
MfA	MILES	0.19
MfB	MILES	0.19
MfC	MILES	0.19
MfD	MILES	0.19
MlB	MILES	0.08
MlC	MILES	0.08
MsC2	MILES	0.19
MtB	MOBEETIE	0.31
MtC	MOBEETIE	0.31
Qc	COTTONWOOD	0.68
Qc	QUINLAN	0.45
Sr	SPUR	0.29
VeB	VEAL	0.32
VeC	VEAL	0.32
StB	STAMFORD	1.00
VnD	VERNON	1.00
VrD	VERNON	0.96
WeB	WEYMOUTH	0.81
WeC	WEYMOUTH	0.81

USDA, NRCS, TEXAS
SPUR FIELD OFFICE
November, 1995
Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
MARTIN COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AcA	ACUFF	0.15
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
BfB	BROWNFIELD	0.06
DrB	DRAKE	0.27
DrC	DRAKE	0.27
GoB	GOMEZ	0.11
GsA	GOMEZ	0.11
GsB	GOMEZ	0.11
MdA	MIDESSA	0.17
MdB	MIDESSA	0.17
MlB	(AMARILLO)	0.14
MoB	MOBEETIE	0.19
OlA	OLTON	0.22
PaB	PATRICIA	0.06
PbC	PARTICIA	0.06
PoA	PORTALES	0.25
PoB	PORTALES	0.25
SaB	SHARVANA	0.16
SlA	SLAUGHTER	0.16
SpC	SPRINGER	0.06
ZtA	ZITA	0.20

USDA, NRCS, TEXAS
STANTON FIELD OFFICE
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Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
GLASSCOCK COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AcA	ACUFF	0.15
AmA	AMARILLO	0.12
AmB	AMARILLO	0.12
AmC	AMARILLO	0.12
EsA	ESTACADO	0.13
ArB	ARVANA	0.18
MfA	MIDESSA	0.17
MfB	MIDESSA	0.17
MfC	MIDESSA	0.17
PaB	PATRICIA	0.06
PyC	PYOTE	0.06
SpB	SPRINGER	0.06
AvA	ARVANNA	0.18
AvB	ARVANNA	0.18

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Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
BORDEN COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AmA	AMARILLO	0.12
AmB	AMARILLO	0.12
AmC	AMARILLO	0.12
ArB	ARCH	0.27
BeB	BERDA	0.32
BeC	BERDA	0.32
BfB	HEATLY	0.07
Co	COLORADO	0.22
La	LATOM	0.15
Ma	MANGUM	1.00
Mc	MANGUM	1.00
MoB	MOBEETIE	0.19
PaB	MILES	0.08
PfB	MILES	0.19
PsB	POSEY	0.36
PsC	POSEY	0.36
ShB	SHARVANA	0.16
SlC	SPADE	0.13
StA	STAMFORD	1.00
StB	STAMFORD	1.00
SuA	STEFALL	1.00
VaB	VEAL	0.16
VaC	VEAL	0.16
VbD	VEAL	0.16
VcB	VERNON	1.00
VcE	VERNON	1.00
Ve	VERNON	1.00
VpF	VERNON	1.00
WvB	VERNON	0.96
WvB	WEYMOUTH	0.44

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SNYDER FIELD OFFICE
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ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
SCURRY COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
BeB	BERDA	0.32
Bf	HEATLY	0.07
DcB	DRAKE	0.27
La	LATOM	0.15
Lk	SLAUGHTER	0.16
Mc	MANGUM	1.00
MkA	MANSKER	0.29
MkB	MANSKER	0.29
MkC	MANSKER	0.29
Mp	MANSKER	0.29
MrA	MILES	0.19
MsB	MILES	0.19
MsC	MILES	0.19
MuB	MILES	0.08
Qu	QUINLAN	0.22
SlB	SPADE	0.13
SlC	SPADE	0.13
Sr	SPUR	0.18
StA	STAMFORD	1.00
StB	STAMFORD	1.00
VaB	VEAL	0.16
VaC	VEAL	0.16
VcB	VERNON	1.00
VcC	VERNON	1.00
Vd	VERNON	1.00
Vp	VERNON	1.00
WvB	WEYMOUTH	0.44
WvC	WEYMOUTH	0.44
WwB	WOODWARD	0.27

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SNYDER FIELD OFFICE
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ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
BRISCOE COUNTY, TEXAS

SOIL		MAXIMUM ROUGHNESS COEFFICIENT
AnA	AMARILLO	0.12
AnB	AMARILLO	0.12
AnC	AMARILLO	0.12
BeA	BERDA	0.28
BeB	BERDA	0.28
BeC	BERDA	0.28
BeD	BERDA	0.28
Ca	CLAIREMONT	0.98
DrB	DRAKE	0.36
DrC	DRAKE	0.36
Lf	LINCOLN	0.16
MaB	MILES	0.08
MoB	MOBEETIE	0.31
0bB	OBARO	0.50
ObB	OBARO	0.50
PaA	PALODURO	0.94
PaB	PALODURO	0.94
SfD	SPRINGER	0.06
StA	STAMFORD	1.00
TuB	TULIA	0.62
TuC	TULIA	0.62
TuD	TULIA	0.62
Ya	YAHOLA	0.14
Yf	YAHOLA	0.14

Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
GARZA COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AmA	AMARILLO	0.12
AmB	AMARILLO	0.12
BeB	BERDA	0.32
BeC	BERDA	0.32
BrC	HEATLY	0.07
Lo	YAHOLA	0.14
Lo	LINCOLN	0.16
MP	MOBEETIE	0.19
MfA	MILES	0.19
MfB	MILES	0.19
MfC	MILES	0.19
MlB	MILES	0.08
MmC	SPRINGER	0.12
MmC	MILES	0.08
MnB	MOBEETIE	0.19
MnC	MOBEETIE	0.19
MoD	LATOM	0.15
MoD	MOBEETIE	0.19
NoC	NOBSCOT	0.13
PoA	PORTALES	0.25
PoB	PORTALES	0.25
SeB	VEAL	0.16
SeB	SPADE	0.13
SeC	VEAL	0.16
SeC	SPADE	0.13
Su	SPUR	0.18
Tw	HEATLY	0.07

USDA, NRCS, TEXAS
POST FIELD OFFICE^
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ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
HALE COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AlA	AMARILLO	0.06
AmA	AMARILLO	0.12
AmB	AMARILLO	0.12
AmC	AMARILLO	0.12
ArB	ARCH	0.27
BfA	BIPPUS	0.25
BfB	BIPPUS	0.25
Br	BROWNFIELD	0.06
DrB	DRAKE	0.27
MkB	MANSKER	0.29
MkC	MANSKER	0.29
MsA	MIDESSA	0.17
MsB	MIDESSA	0.17
PoB	POSEY	0.13
PoC	POSEY	0.13
SpB	SPRINKER	0.06

USDA, NRCS, TEXAS
PLAINVIEW FIELD OFFICE
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Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
GAINES COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
Ar	ARCH	0.27
AvA	ARVANA	0.18
AvB	ARVANA	0.18
AwB	SHARVANA	0.16
Br	BROWNFIELD	0.06
Bs	PATRICIA	0.06
Bt3	PATRICIA	0.06
DrB	DRAKE	0.23
DrC	DRAKE	0.23
DrD	DRAKE	0.27
Gf	GOMEZ	0.06
Gt	GOMEZ	0.11
PfA	MIDESSA	0.17
PfB	MIDESSA	0.17
PmA	PORTALES	0.25
Ps	SPUR	0.25
Sa	SIMONA	0.20
Sb	SHARVANA	0.09
Sm	ARVANA	0.10
Sp	SPRINGER	0.06
ZfA	ZITA	0.12

USDA, NRCS, TEXAS
SEMINOLE FIELD OFFICE
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Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
GRAY COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
BfB	BIPPUS	0.13
MaB	MANSKER	1.00
MaC	MANSKER	1.00
MaD	MANSKER	1.00
MoB	MOBEETIE	0.31
MoB	VEAL	0.16
MdB	MILES	0.08
MdC	MILES	0.08
MfA	MILES	0.19
MfB	MILES	0.19
MfC	MILES	0.19
MfC2	MILES	0.19
MhC2	MILES	0.08
MhC2	DELWIN	0.13
MoC	MOBEETIE	0.31
Sg	GUADALUPE	0.33
Sg	SPUR	0.29

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
BAILEY COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
AfC	AMARILLO	0.12
AlA	ACUFF	0.15
AlB	ACUFF	0.15
AmB	AMARILLO	0.06
An	ARCH	0.20
Ao	ARCH	0.27
AvA	ARVANA	0.18
AvB	ARVANA	0.18
AxA	SHARVANA	0.16
AxB	SHARVANA	0.16
AyA	ACUFF	0.15
AyB	ACUFF	0.15
BeC	BERDA	0.13
BhB	BERDA	0.32
BhC	BERDA	0.32
BhD	BERDA	0.32
BmD	MANSKER	0.18
Br	BROWNFIELD	0.06
Bs3	PATRICIA	0.06
DrB	DRAKE	0.27
DrC	DRAKE	0.27
DrE	DRAKE	0.27
Ga	GOMEZ	0.06
Ga	ARCH	0.11
Ga3	GOMEZ	0.06
Ga3	ARCH	0.11
La	LIKES	0.09
La	ARCH	0.20
Lk	ZITA	0.12
Lu	ZITA	0.12
MfA	MANSKER	0.18
MfB	MANSKER	0.18
MfC	MANSKER	0.18
MkA	MANSKER	0.29
MkB	MANSKER	0.29
PfA	MIDESSA	0.17
PfB	MIDESSA	0.17
PmA	PORTALES	0.25
PmB	PORTALES	0.25
Sf	SPRINGER	0.06
Sh	SPRINGER	0.06
StA	STEGALL	0.16
StB	STEGALL	0.16
SwA	SLAUGHTER	0.16
ZfA	ZITA	0.12
ZfB	ZITA	0.12
ZmA	ZITA	0.20
Zmb	ZITA	0.12

USDA, NRCS, TEXAS
MULESHOE FIELD OFFICE
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Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
YOAKUM COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
Aa	ARCH	0.27
Ac	ARCH	0.27
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
AmB	AMARILLO	0.06
AvA	ARVANA	0.18
AvB	ARVANA	0.18
AwA	SHARVANA	0.16
Br	BROWNFIELD	0.06
Bs	PATRICIA	0.06
Bt3	PATRICIA	0.06
Bv	BROWNFIELD	0.06
DrB	DRAKE	0.23
Gf	GOMEZ	0.06
Gt	GOMEZ	0.11
LeA	KIMBROUGH	0.32
MfA	MANSKER	0.18
MfB	MANSKER	0.18
MkA	MANSKER	0.29
PfA	MIDESSA	0.17
PfB	MIDESSA	0.17
PmA	PORTALES	0.25
Sb	ARVANA	0.09
Sb	SPRINGER	0.06
Sb	SHARVANA	0.09
Sg	SPRINGER	0.06
SuA	SLAUGHTER	0.16
ZfA	ZITA	0.13
ZmA	ZITA	0.34

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PLAINS FIELD OFFICE
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ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
MIDLAND COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
ArA	ARVANA	0.18
ArB	ARVANA	0.18
GmA	GOMEZ	0.11
GmB	GOMEZ	0.11
MdA	MIDESSA	0.17
MdB	MIDESSA	0.17
MmB	AMARILLO	0.14
PoA	PORTALES	0.25
RvA	REEVES	0.22
SfB	SIMONA	0.20
SaB	SHARVANA	0.16
SlA	SLAUGHTER	0.16
SpB	SPRINGER	0.12
SpC	SPRINGER	0.06

USDA, NRCS, TEXAS
MIDLAND FIELD OFFICE
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Revised([redacted]) 2/20/96

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
LUBBOCK COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
1	ACUFF	0.15
2	ACUFF	0.15
4	AMARILLO	0.06
5	AMARILLO	0.12
6	AMARILLO	0.12
16	DRAKE	0.27
17	DRAKE	0.27
18	ESTACADO	0.13
19	ESTACADO	0.13
24	MANSKER	0.29
25	MANSKER	0.29
26	MIDESSA	0.17
27	MOBEETIE	0.19
28	MOBEETIE	0.19
29	MOBEETIE	0.19
30	OLTON	0.22
31	OLTON	0.22
33	PORTALES	0.25
34	POSEY	0.13
35	POSEY	0.13
36	POSEY	0.13
37	POSEY	0.13
41	PULLMAN	0.46
45	ZITA	0.12
46	ZITA	0.20

USDA, NRCS, TEXAS
LUBBOCK FIELD OFFICE
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Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
LAMB COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
AfC	AMARILLO	0.12
AlA	ACUFF	0.15
AlB	ACUFF	0.15
AmB	AMARILLO	0.06
An	ARCH	0.20
Ao	ARCH	0.27
As	ARCH	0.20
AvA	ARVANA	0.18
AvB	ARVANA	0.18
AxB	SHARVANA	0.16
AxB	SHARVANA	0.16
BeB	BERDA	0.13
BeC	BERDA	0.13
BhB	BERDA	0.32
BhC	BERDA	0.32
Br	BROWNFIELD	0.06
DrB	DRAKE	0.27
DrC	DRAKE	0.27
DrD	DRAKE	0.27
Lk	LIKES	0.09
Lu	ZITA	0.12
MfA	MANSKER	0.18
MfB	MANSKER	0.18
MfC	MANSKER	0.18
MfD	MANSKER	0.18
MkA	MANSKER	0.29
MkB	MANSKER	0.29
MkC	MANSKER	0.29
MkD	MANSKER	0.29
PfA	MIDESSA	0.17
PfB	MIDESSA	0.17
PmA	PORTALES	0.25
PmB	PORTALES	0.25
Pn	GOMEZ	0.06
Sf	SPRINGER	0.12
Sg	SPRINGER	0.12
Sh	SPRINGER	0.06
Sp	SPUR	0.25
ZfA	ZITA	0.12
ZfB	ZITA	0.12
ZmA	ZITA	0.20
Zmb	ZITA	0.20
Zo	ZITA	0.12

USDA, NRCS, TEXAS
LITTLEFIELD FIELD OFFICE
November, 1995
Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
COCHRAN COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
AfC	AMARILLO	0.12
AlA	ACUFF	0.15
AlB	ACUFF	0.15
AmB	AMARILLO	0.06
An	ARCH	0.20
Ao	ARCH	0.27
AvA	ARVANA	0.18
AvB	ARVANA	0.18
AwB	SHARVANA	0.16
Bp	BIPPUS	0.25
Br	BROWNFIELD	0.06
Bs	PATRICIA	0.06
Bt3	PATRICIA	0.06
Bv	BROWNFIELD	0.06
DrB	DRAKE	0.27
DrC	DRAKE	0.27
DrD	DRAKE	0.27
Go	MIDESSA	0.17
GO	GOMEZ	0.06
MfA	MANSKER	0.18
MfB	MANSKER	0.18
MkA	MANSKER	0.29
MkB	MANSKER	0.29
PfA	MIDESSA	0.17
PfB	MIDESSA	0.17
PmA	PORTALES	0.25
ZfA	ZITA	0.12
ZfB	ZITA	0.12
ZmA	ZITA	0.20

USDA, NRCS, TEXAS
MORTON FIELD OFFICE
November, 1995
Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
TERRY COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
AfC	AMARILLO	0.12
AlA	ACUFF	0.15
AlB	ACUFF	0.15
AmB	AMARILLO	0.06
Ar	ARCH	0.27
AvA	ARVANA	0.18
AvB	ARVANA	0.18
AwB	SHARVANA	0.16
Ax	SHARVANA	0.16
Bk	BROWNFIELD	0.06
Bn	BROWNFIELD	0.06
Br	AMARILLO	0.06
Bs	ARVANA	0.09
Bt3	PATRICIA	0.06
DrB	DRAKE	0.27
DrC	DRAKE	0.27
DrE	DRAKE	0.27
Ga	GOMEZ	0.11
Ga	ARCH	0.27
MfA	MANSKER	0.18
MfB	MANSKER	0.18
MfC	MANSKER	0.18
PfA	MIDESSA	0.17
PfB	MIDESSA	0.17
PlA	PORTALES	0.25
Sf	BIPPUS	0.13
Sl	BIPPUS	0.13
ZfA	ZITA	0.20

USDA, NRCS, TEXAS
BROWNFIELD FIELD OFFICE
November, 1995

Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
HOWARD COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AcA	ACUFF	0.15
AcB	ACUFF	0.15
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
AfC	AMARILLO	0.12
AmB	AMARILLO	0.06
AsB	MILES	0.19
AsC	MILES	0.19
AvB	ARVANA	0.18
AwB	SHARVANA	0.16
BeB	BERDA	0.22
BeB	BERDA	0.22
BfB	BROWNFIELD	0.06
BvB	BROWNFIELD	0.06
DrC	DRAKE	0.27
DrD	DRAKE	0.27
Go	GOMEZ	0.06
LaD	LATOM	0.15
MkA	MANSKER	0.29
MkB	MANSKER	0.29
MkC	MANSKER	0.29
MoB	MOBEETIE	0.19
MoC	MOBEETIE	0.19
PfA	MIDESSA	0.17
PfB	MIDESSA	0.17
PoA	PORTALES	0.25
PoB	PORTALES	0.25
ReA	REAGAN	0.43
Rg	REAGAN	0.43
RmB	REEVES	0.26
Sd	YAHOLA	0.14
SlB	SPADE	0.13
SlCB	SPADE	0.13
SpA	SPRINGER	0.12
SpB	SPRINGER	0.12
Sr	SPRINGER	0.06
VeB	VEAL	0.16
VeC	VEAL	0.16
WvB	WEYMOUTH	0.44
Za	SPUR	0.25
ZfA	ZITA	0.12

USDA, NRCS, TEXAS
BIG SPRING FIELD OFFICE
November, 1995
Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
DEAF SMITH COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
BeD	BERDA	0.28
DrC	DRAKE	0.48
EsA	ESTACADO	0.13
FrB	FRIONA	0.48
MvE	VEAL	0.55
MvE	MOBEETIE	0.31
MoC	MOBEETIE	0.31
MoD	MOBEETIE	0.31
PeA	PEP	1.00
PeB	PEP	1.00
PoA	PORTALES	1.00
PoB	PORTALES	1.00
PsC	POSEY	0.36

USDA, NRCS, TEXAS
HEREFORD FIELD OFFICE
November, 1995
Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
PARMER COUNTY, TEXAS

SOIL		MAXIMUM ROUGHNESS COEFFICIENT
AaA	AMARILLO	0.12
AaB	AMARILLO	0.12
AaC	AMARILLO	0.12
ArA	ARVANA	0.18
BeC	BERDA	0.28
BeD	BERDA	0.28
BfA	BIPPUS	0.13
EsA	ESTACADO	0.13
EsB	ESTACADO	0.13
EtC	ESTACADO	0.13
FrA	FRIONA	0.48
MbB	MOBEETIE	0.31
PfB	POSEY	0.13
PaD	BERDA	0.28
PaD	POSEY	0.36
TuA	TULIA	0.62
TuB	TULIA	0.62
ZtA	ZITA	0.34

USDA, NRCS, TEXAS
FRIONA FIELD OFFICE
November, 1995
Revised(Retired)_____

Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
FLOYD COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AFA	AMARILLO	0.12
AfB	AMARILLO	0.12
AfC	AMARILLO	0.12
BeB	BERDA	0.29
BeC	BERDA	0.29
BeD	BERDA	0.29
DrB	DRAKE	0.36
DrC	DRAKE	0.48
FoB	FLOMOT	0.20
FoC	FLOMOT	0.20
FoD	FLOMOT	0.20
LkD	LIKES	0.09
MaB	MANSKER	0.77
MaC	MANSKER	0.77
MoB	MOBEETIE	0.31
PaA	PALODURO	0.52
PmA	PORTALES	0.25
SpD	SPRINGER	0.06

USDA, NRCS, TEXAS
FLOYDADA FIELD OFFICE^
November, 1995
Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
CASTRO COUNTY, TEXAS

SOIL		MAXIMUM ROUGHNESS COEFFICIENT
BeC	BERDA	0.28
BeD	BERDA	0.28
DrC	DRAKE	0.27
DrD	DRAKE	0.27
EsA	ESTACADO	0.13
EsB	ESTACADO	0.13
MbC	BERDA	0.59
MbD	MANSKER	0.77
MaC	ESTACADO	0.13
MaC	MANSKER	0.29
PoA	POSEY	0.36
PoB	POSEY	0.36

USDA, NRCS, TEXAS
DIMMITT FIELD OFFICE
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Revised(Retired)_____

Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
CROSBY COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
AFA	AMARILLO	0.12
AfB	AMARILLO	0.12
AmB	AMARILLO	0.06
BfB	BERDA	0.13
BfC	BERDA	0.13
BfD	BERDA	0.13
BmC	BERDA	0.32
BmD	BERDA	0.32
Br	BROWNFIELD	0.06
Bs3	PATRICIA	0.06
Lk	LIKES	0.09
MaA	MANSKER	0.18
MaB	MANSKER	0.18
MaC	MANSKER	0.18
MkA	MANSKER	0.29
MkB	MANSKER	0.29
MkC	MANSKER	0.29
Ml	MANSKER	0.18
MmB	MILES	0.08
MmC	MILES	0.08
MnA	MILES	0.19
MnB	MILES	0.19
MnC	MILES	0.19
PfA	MIDESSA	0.17
PfB	MIDESSA	0.17
PmA	PORTALES	0.25
PmB	PORTALES	0.25
Sf	SPUR	0.18
SmB	STAMFORD	1.00
StA	STAMFORD	1.00
VcB	VERNON	1.00
VcD	VERNON	1.00
ZfA	ZITA	0.12

USDA, NRCS, TEXAS
CROSBYTON FIELD OFFICE^
November, 1995
Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
ARMSTRONG COUNTY, TEXAS

SOIL		MAXIMUM ROUGHNESS COEFFICIENT
BfD	MOBEETIE	0.31
BfD	VEAL	0.32
BmD	BERDA	0.28
BmD	VEAL	0.55
BpB	BIPPUS	0.13
BrC	PALODURO	0.94
Lm	GUADALUPE	0.22
MaB	VEAL	0.32
MkB	MANSKER	0.77
MkC	MANSKER	0.77
MkC2	MANSKER	0.77
MsA	MILES	0.19
MsB	MILES	0.19
MsC	MILES	0.19
VoC	SPRINGER	0.12

USDA, NRCS, TEXAS
CLAUDE FIELD OFFICE
November, 1995
Revised(Retired)_____

Surface Roughening Conservation Practice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
DONLEY COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
4	ALTUS	0.13
5	ASPERMONT	0.96
6	ASPERMONT	0.96
14	CLAIREMONT	0.98
15	DELWIN	0.13
19	GUADALUPE	0.33
22	MILES	0.08
23	MILES	0.08
24	MILES	0.08
25	MILES	0.19
26	MILES	0.19
27	MILES	0.19
28	MILES	0.19
29	MOBEETIE	0.31
30	MOBEETIE	0.31
31	MOBEETIE	0.31
36	OBARO	1.00
36	QUINLAN	0.52
39	PALODURO	0.52
40	PALODURO	0.52
45	SPRINGER	0.06
46	SPRINGER	0.06
47	SPRINGER	0.06
48	SPRINGER	0.12
52	VEAL	0.16
53	VEAL	0.16

USDA, NRCS, TEXAS
CLARENDON FIELD OFFICE
November, 1995
Revised(Retired)_____

ATTACHMENT 1
MAXIMUM ROUGHNESS COEFFICIENT STANDARD
DAWSON COUNTY, TEXAS

SOIL		MAXIMUM ROUGHNESS COEFFICIENT
AfA	AMARILLO	0.12
AfB	AMARILLO	0.12
AmB	AMARILLO	0.06
AnA	ACUFF	0.15
AnB	ACUFF	0.15
ArA	ARCH	0.20
AsB	ARCH	0.09
AvA	ARVANNA	0.18
AvB	ARVANNA	0.18
AxB	SHARVANA	0.16
AyB	ARVANNA	0.09
BcA	BERDA	0.32
BcB	BERDA	0.32
BcC	BERDA	0.32
BfB3	PATRICIA	0.06
BfB3	PATRICIA	0.06
DfB	DRAKE	0.27
DrC	DRAKE	0.27
MaA	MANSKER	0.29
MaB	MANSKER	0.29
MsA	BURCREEK	0.31
MsB	BURCREEK	0.31
PcA	ESTACADO	0.13
PcB	ESTACADO	0.13
PfA	MIDESSA	0.17
PfB	MIDESSA	0.17
VoB	GOMEZ	0.11
ZfA	ZITA	0.20

USDA, NRCS, TEXAS
LAMESA FIELD OFFICE
November, 1995
Revised(Retired)_____

RETIRED SEPT '96

Surface Roughen: :tice Standard - Attachment 1

ATTACHMENT 1
MAXIMUM ROUGHNES ---ENT STANDARD
ANDREWS COUNTY, TEXAS

	SOIL	MAXIMUM ROUGHNESS COEFFICIENT
FdB	DOURO	0.18
FdB	FASKIN	0.18
JPC	JALMAR	0.13
JPC	PENWELL	0.13
TwB	TRIOMAS	0.13
TwB	WICKETT	0.18

USDA, NRCS, TEXAS
ANDREWS FIELD OFFICE
November, 1995
Revised(Retired)_____