109+81 to 112+35
Clear 7 Trees Grub 7 Trees

112+35 to 128+00
Clear 18 Trees Grub 22 Trees

128+00 to 132+39
Cl. 12 Trees Grub 18 Trees

Sta. 110 + 83
U.S.G.C. Tie
out 33' R

POT. 112+21.5

F.E. 114 + 04 L
Inp. 12" x 20' C.M.
Remove
Ft. 12" x 24' C.M.
Ft. Rip Rap 2 cy.

POT. 114 + 56.6

Sta. 121 + 10
Inp. 24" x 32' C.M.
Replace
Ft. 24" x 30' C.M. Ext.
Ft. Rip Rap 2 cy.

Sta. 126 + 54
Inp. 24" x 30' C.M.
Replace
Ft. 24" x 30' C.M. Ext.
Ft. Rip Rap 2 cy.

NEOLA CENTER SECTION MILL RUN

Sta. 134 + 98
Inp. 18" x 30' C.M.
Replace
Ft. 18" x 24' C.M.
Ft. Rip Rap 2 cy.

F.E. 141 + 13 L
Inp. 12" x 20' C.M.
Remove
Ft. 12" x 24' C.M.
Ft. Rip Rap 2 cy.

Sta. 143 + 95
Inp. 18" x 30' C.M.
Remove
Ft. 18" x 24' C.M.
Ft. Rip Rap 2 cy.

POT. 132 + 87.5

POT. 150 + 42.3

P.I. 155 + 80.4
Δ 2° 09'

141 / 20

151+78 to 165+82
Clear 6 Trees Grub 12 Trees

Sta. 165 + 75
Inp. W 11' x 16' x 19'
Masonry Walls & Wings
I-beam & Conc. Floor
Remove
Ft. W&H = 192
Conc. 73.22 cy
Steel 12.52 lb

Cultivated
Garden
Barn Yard
Farm Yard
pasture
Cultivated
Farm Yard
Cultivated
pasture
Town Road
Sta. 156 + 00
Inp. 17' x 40' C.M.
Remove
Ft. 20' x 40' C.M.
Ft. Rip Rap 2 cy.

F.E. 111 + 60
Inp. 12" x 20' C.M.
Remove
Ft. 15" x 24' C.M.
Ft. Rip Rap 2 cy.

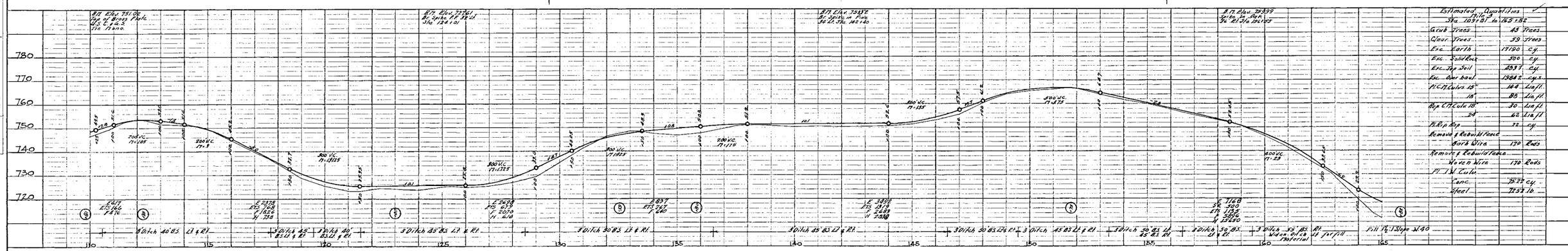
F.E. 114 + 04 Rt.
Inp. 12" x 20' C.M.
Remove
Ft. 15" x 24' C.M.

Sta. 140 + 34
out 26'
Conc. Water Tank

F.E. 138 + 53 Rt.
No Culv. Inp.
Ft. 12" x 24' C.M.
Ft. Rip Rap 2 cy.

F.E. 142 + 50
Inp. 12" x 18" C.M.
Remove
Ft. 12" x 24' C.M.
Ft. Rip Rap 2 cy.

N 15° W



Estimated Quantities
Sta. 109+81 to 165+82

Grub Trees	45	Trees
Clear Trees	59	Trees
Exc. Earth	17190	cy.
Exc. Solid Rock	300	cy.
Exc. Top Soil	1937	cy.
Exc. Overhaul	1982	cy-s
M.C.P. Culvs 18"	164	Lin.ft.
18"	88	Lin.ft.
Rep. C.M. Culv. 18"	30	Lin.ft.
24"	62	Lin.ft.
M. Rip Rap	72	cy.
Remove & Rebuild Fence		
Barb Wire	170	Rods
Remove & Rebuild Fence		
Woven Wire	170	Rods
Ft. M. Culv.		
Conc.	75.22	cy.
Steel	11.54	lb.

PLAN
SURVEYED
PLOTTED
NOTE BOOK ALIGNMENT CHECKED
NO. ____ STR. OF HWY CHECKED

205+32 to 215+70
Clear 7 Trees Grub 10 Trees

215+70 to 220+07
Cl. 18 Trees Gr. 27 Trees

220+07 to 229+48
Cl. 2 Trees Gr. 4 Trees

Town Road
Sta. 208 + 61 L
Inp. 17' x 20' C.M.
Remove
Ft. 20' x 30' C.M.
Ft. Rip Rap 2 cy.

Sta. 216 + 20
Inp. 24" x 34" C.M.
Replace
Ft. 24" x 32" C.M. Ext.
Ft. Rip Rap 2 cy.

F.E. 221 + 86
Culv. Inp. buried
Ft. 24" x 24" C.M.
Ft. Rip Rap 2 cy.

F.E. 222 + 93 L
No Culv. Inp
Ft. 24" x 24" C.M.
Ft. Rip Rap 2 cy.

P.I. 208 + 60.8
Δ 22° 45'

POT. 170 + 84.9

POT. 182 + 20.6

POT. 191 + 22.5

POT. 192 + 50.7

POT. 205 + 65.0

POT. 220 + 10.5

N 17° W

S 67° 22' W

F.E. 171 + 37 L
Inp. 15" x 20' C.M.
Remove
Ft. 18" x 28" C.M.
Ft. Rip Rap 2 cy.

F.E. 182 + 11 L
No Culv. Inp.
No Culv. reqd.

F.E. 171 + 00
Inp. 18" x 20' C.M.
Replace
Ft. 24" x 24" C.M. Ext.
Ft. Rip Rap 2 cy.

Sta. 194 + 31
Inp. 30" x 30" C.M.
Replace
Ft. 30" x 36" C.M. Ext.
Ft. Rip Rap 2 cy.

F.E. 195 + 37 R
No Culv. Inp
No Culv. reqd.

F.E. 177 + 67 R
No Culv. Inp
Ft. 15" x 24" C.M.
Ft. Rip Rap 2 cy.

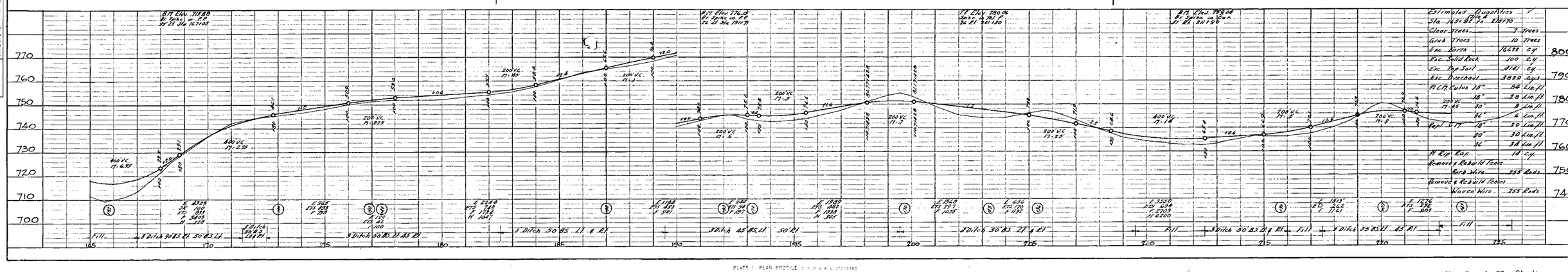
Town Road
Sta. 208 + 61 R
No Culv.
Ft. 15" x 30" C.M.
Ft. Rip Rap 2 cy.

Sta. 211 + 53
Inp. 36" x 34" C.M.
Replace
Ft. 36" x 42" C.M. Ext.
Ft. Rip Rap 2 cy.

F.E. 218 + 96 R
Inp. 12" x 24" C.M.
Remove
Ft. 12" x 24" C.M.
Ft. Rip Rap 2 cy.

Sta. 223 + 40
Inp. 18" x 32" C.M.
Replace
Ft. 18" x 24" C.M. Ext.
Ft. Rip Rap 2 cy.

Pasture
Farm Yard
Cultivated
Pasture
Cultivated
Pasture
Cultivated
Pasture
Pasture
Cult.
Pasture
Farm Yard
Pasture



Estimated Quantities
Sta. 165+82 to 229+48

Clear Trees	7	Trees
Grub Trees	10	Trees
Exc. Earth	16228	cy.
Exc. Solid Rock	100	cy.
Exc. Top Soil	2181	cy.
Exc. Overhaul	3820	cy-s
M.C.P. Culvs 36"	84	Lin.ft.
30"	28	Lin.ft.
24"	8	Lin.ft.
18"	6	Lin.ft.
Rep. C.M.	30	Lin.ft.
	30	Lin.ft.
	32	Lin.ft.
M. Rip Rap	18	cy.
Remove & Rebuild Fence		
Barb Wire	355	Rods
Remove & Rebuild Fence		
Woven Wire	355	Rods

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
NOTE BOOK
NO. ____
STRUCTURE NOTATNS CH.CK.
BY
DATE

PLATE I PLAN PROFILE C.P.G.S.N.R.C. STANDARD
REVISED SEPTEMBER 1951

Sta. 223 + 40
Inp. 18" x 32" C.M.
Replace
Rt. 18" x 16 C.M. Ext.
Rt. Rip Rap 2 cy.

Sta. 228 + 54
Inp. 18" x 30" C.M.
Replace
Rt. 18" x 30 C.M. Ext.
Rt. Rip Rap 2 cy.

F.E. 234 + 71 L
No Culv. Inp.
Rt. 15" x 24' C.M.
Rt. Rip Rap 2 cy.

F.E. 234 + 90 L
Inp. 12" x 20' C.M.
Remove
Rt. 12" x 24' C.M.
Rt. Rip Rap 2 cy.

Sta. 238 + 00
Inp. 18" x 34' C.M.
Ext. Face
Rt. 18" C.M.
Rt. Rip Rap 2 cy.

241+21 to 250+70
Cl. Trees
Gr. 7 Trees

Sta. 248 + 00
Inp. 3' x 7.5' x 21'
Conc. Arch Culv.
Remove
Rt. V46 + 34
Conc. 29.2 cy.
Steel 3000 lb.

F.E. 249 + 55 L
Inp. 15" x 20' C.M.
No App rip'd

250+70 to 260+89 Gr. 2 Trees

249+00
Rt. 18" x 34' C.M.
Rt. Rip Rap 2 cy.

Town Road
Sta. 261 + 18 L
No Culv. Inp.
No Culv. rqd.

F.E. 263 + 47 L
Inp. 12" x 20' C.M.

Sta. 264 + 89
Inp. 18" x 30' C.M.

Cultivated

Cultivated

Cultivated

Cultivated

Cultivated

pasture

Farm yard

Farm yard

Shade Trees

POT. 234 + 80 Rt

POT. 242 + 00

Rt. 261 + 13.7
Δ = 0° 34'

END OF PROJECT
#3601-B

F.E. 234 + 62 R
Inp. 12" x 20' C.M.
Remove
Rt. 12" x 24' C.M.
Rt. Rip Rap 2 cy.

F.E. 238 + 13 R
Inp. 12" x 20' C.M.
No Culv. rqd.

F.E. 241 + 12 R
No Culv. Inp.
No Culv. rqd.

F.E. 251 + 50
Inp. 18" x 20' C.M.
Remove
Rt. 18" x 24' C.M.
Rt. Rip Rap 2 cy.

Town Road
Sta. 261 + 18 R
No Culv. Inp.
No Culv. rqd.

Estimated	Quantities	
Title		
215+70 to 241+80		
Clear. Trees	20	Trees
Grub Trees	40	Trees
Exc. Earth	15418	c.y.
Exc. Top Soil	1510	c.y.
Exc. Quarry	8963	c.y.
Rt. C.M. Culvs 15"	168	Lin.ft.
18"	76	" "
24"	6	" "
Replace C.M. Culv 18"	96	" "
24"	36	" "
Rt. Rip. Rap	24	c.y.
Remove & Rebuild fence Barb Wire	160	Rods
Remove & Rebuild fence Woven Wire	160	Rods
Rt. I. W. Culv. Conc.	2812	cy.
Steel	3080	lb.

PLATE 2 PLAN PROFILE STANDARD
ADOPTED DECEMBER 1951

OLMSTED COUNTY, MINN. JOB NO. 3601-B PLAN NO. 55-183 Sheet No. 6 of 23 Sheets

PLAN
SURVEYED
PLOTTED
ALIGNMENT CHECKED
C. OF WAY CHECKED
NOTE BOOK
NO.

PROFILE
SURVEYED
PLOTTED
GRADES CHECKED
S.M.S. NOTED
STRUCTURE NOTATIONS CHECKED
NOTE BOOK
NO.

BY
DATE