FORM 129 A

Conventional Signs & Abbreviations

State Line		Excavation	E.
County Line		Embankment	F.
Township Line		Overhaul	H.
Section Line		Surfacing	S.
City, Village, or Borough		Guard Rail	G.R.
Fence Line		Intersection Angle	A.
Right-of-way Line		Radius	R.
Travelled Way		Elevation	El.
Railroads		Vertical Curve	V.C.
Retaining Wall		Bench Mark	B.M.
Base or Survey Line	36 / 35	Sectional Concrete Culvert	P.I.
Levee		Corrugated Metal Culvert	C.M.
Gravel Pit	G	Culvert Haul	P.H.
Sand Pit	S	Ton Miles	T.M.
Clay Pit	C	Place	P.
Rock Quarry	Q	In Place	Inp.
Culverts — Plain		Replace	Rep.
With Face Walls		Right	R.
With Wing Walls		Left	L.
Drop Inlet		Hand Ditching	H.D.
Power Pole Line		Point of Curve	P.C.
Telephone or Telegraph Line		Point of Tangent	P.T.
Marsh		Point of Intersection	P.I.
Hedge, Brush, or Timber		Special Excavation	S.E.
Ground Elevation	721	Special Plowing	S.P.
Grade Elevation	737	Telephone Pole	Tel.P.

STATE HIGHWAY DEPARTMENT
OF MINNESOTA
Plan and Profile of State Road No. 10

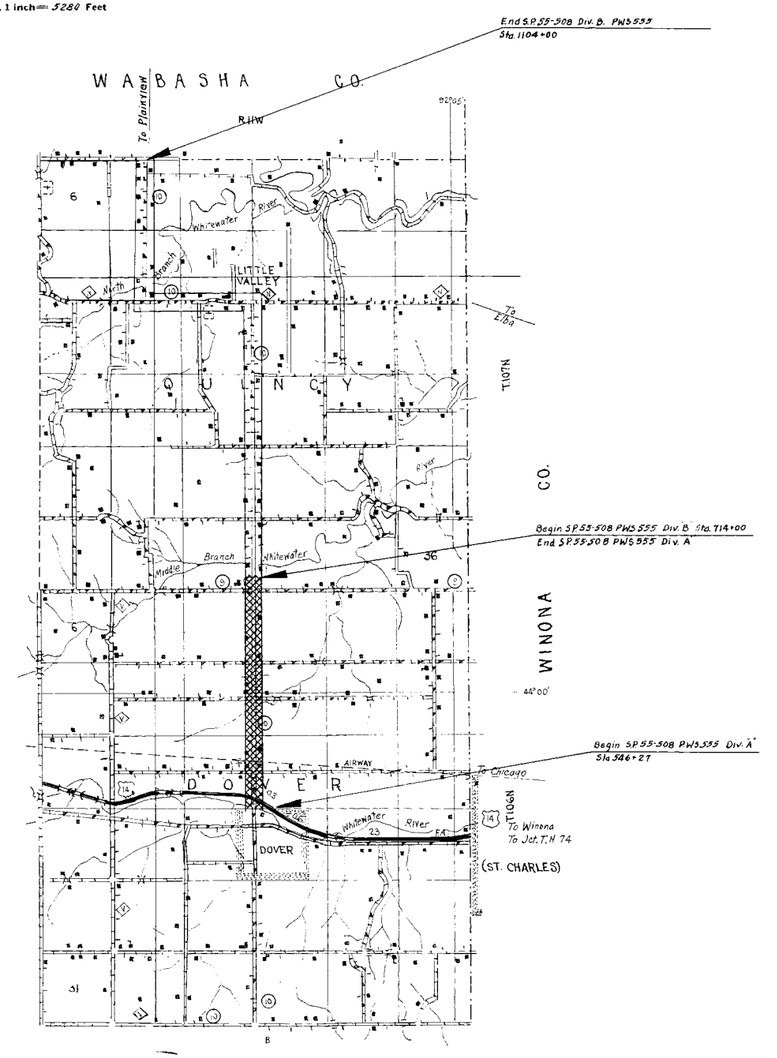
COUNTY OF OLMSTED

From 255' S. of S.W. Cor. Sec 15 T106N R11W (Give proper reference to Section, Township and Range) **To** 832.5'N. of N.W.COR. SEC. 3 T106N. R11W

GROSS LENGTH- 16,773.0 FEET 3.15 MILES
LENGTH OF EXCEPTIONS- 0 FEET 0 MILES
NET LENGTH - 16,773.0 FEET 3.15 MILES

SCALES
- PLAN, 1 inch = 200 Feet.
- PROFILE, Horz. 1 inch = 200 Feet. Vert. 1 inch = 20 Feet
- WORKING PLANS: Horz. 1 inch = 100 Feet; Vert. 1 inch = 10 Feet; Cross-Sections, 1 = Feet

LAYOUT
SCALE, 1 inch = 5280 Feet



INDEX OF SHEETS

Sheet No. 1.	Title Sheet and Layout Map		
" No. 2.	Typical Cross-Sections and Statement		
" No. 3.	Plan and Profile, Sta. 546+27	to Sta. 640+00	
" No. 4.	" " "	Sta 640+00	to Sta. 750+00
" No. 5.	" " "	Sta 750+00	to Sta. 860+00
" No.6.	" " "	Sta. 860+00	to Sta. 970+00
" No. 7.	" " "	Sta 970+00	to Sta. 1080+00
Sheet No 8 Plan and Profile		Sta 1080+00	to Sta 1102+00
" " 9-55A - Sections		Sta 546+27	to Sta 1102+00

The Specifications for Highway Construction dated July 1 1947 and submitted for approval by the Divison Engineer of the Public Roads Administration, Oct 15 1947, shall govern

Approved
[redacted]
District Engineer
Public Roads Administration
Federal Works Agency

Approved
[redacted]
Division Engineer
Public Roads Administration
Federal Works Agency

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Planned by .....
DATE ..... REG. NO. .....
HIGHWAY ENGINEER FOR COUNTY

Recommended for Approval .....
DISTRICT ENGINEER

Recommended for Approval .....
ENGINEER OF COUNTY DIVISION 8-13-48

Approved 194
LANDSCAPE OF PLANS AND SURVEYS

S.A.P. 55-508-01

OLMSTED County, Minnesota. County Proj. No. PW5555 SP55-508 Plan No. Sheet 1 of 55 Sheets

FED. ROAD DIST. NO	STATE	FED. AID PROJ. NO	SEC.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
4	MINN				2	

ESTIMATED QUANTITIES

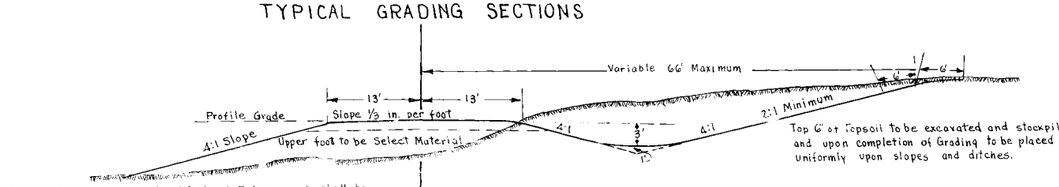
SPEC. NO.	ITEM	UNIT	MILE 1 Sta 546+27 Sta 598+60	MILE 2 Sta 598+60 Sta 662+00	MILE 3 Sta 662+00 Sta 714+00		TOTAL ESTIMATED QUANTITIES
2101.502	Clearing	Tree	113	79	27		219
2101.507	Grubbing	Tree	78	63	28		169
2105.501	Class A Excavation	Cu Yd.	25491	25326	23240		74057
2105.502	Class B Excavation	Cu Yd.	221	5843			6064
2104.501	Remove Portable Culverts	Lin. Ft.	121	188	149		458
2512.501	Hand Placed Rip Rap	Cu. Yd.	14	26	21		61
2501.511	Furnish & Install CMP Culv. 18"	Lin. Ft.	212	230	90		532
2501.511	Furnish & Install CMP Culv. 24"	Lin. Ft.		28	70		98
2501.511	Furnish & Install CMPA Culv. 72" Span	Lin. Ft.		138	174		312
2501.521	Furnish & Install SC Culv. 30"	Lin. Ft.	88		48		136
2513.5	Furnish & Install SC Aprons 30"	Apron	2		2		4
2442.501	Remove Old Structures	Structure	2	1	1		4
2252.527	Crushed Rock Wearing Course	Cu Yd.	1290	1555	1270		4115
2411.501	Concrete	Cu Yd.		70.16	37.76		107.92
2411.525	Class U Excavation	Cu Yd.		60	35		95
2411.541	Reinforcement Bars	Pound		11578	5739		17317
2441.502	Temporary By-Pass	By-Pass		1	1		2
2442.901	Remove Old Structure	Structure		1	1		2

STANDARD DETAIL PLATES

Standard Detail Plates issued Oct. 1, 1947 and submitted for approval by the Division Engineer of the Public Roads Administration Oct. 15, 1947, shall govern.

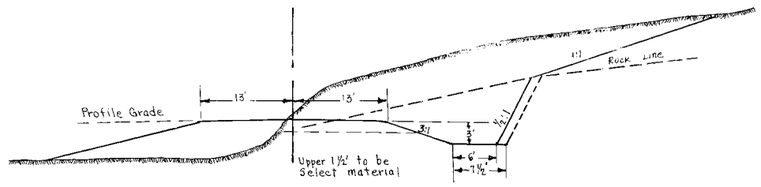
PLATE NO	STANDARD DETAIL PLATES
3040	Corrugated Metal Pipe Arch Culvert
3102	Concrete Apron for Re.S.C. Culvert Pipe

TYPICAL GRADING SECTIONS

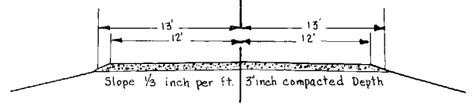


Select Material for the top 1 foot of Embankment shall be obtained from adjacent cuts between a depth of 1 foot and 3 feet below the natural surface

Top 6" of Topsoil to be excavated and stockpiled and upon completion of Grading to be placed uniformly upon slopes and ditches.

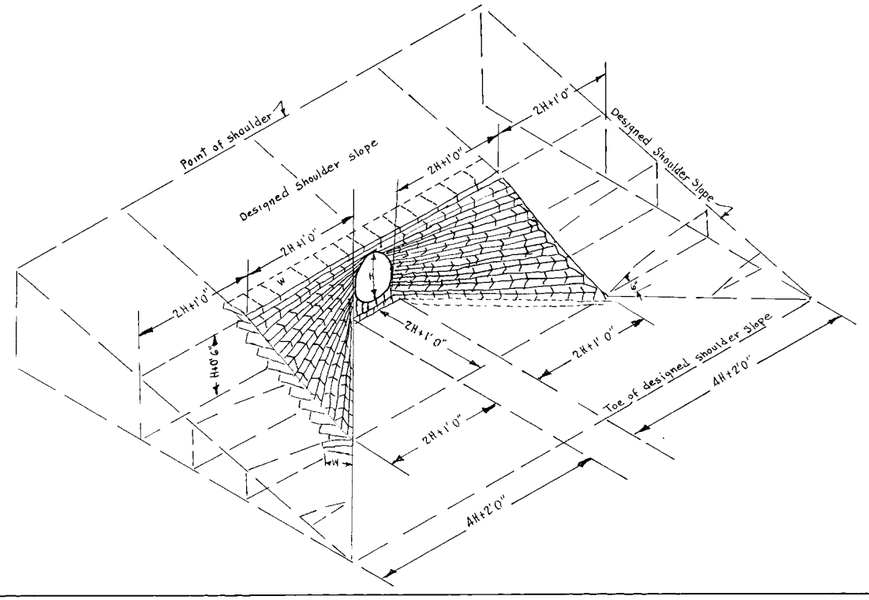


TYPICAL BASE & SURFACE SECTION



Crushed Rock Computed at the rate of 1200 Cu Yds. per Mile 300 Cu. Yds. allowed for approaches and Cross Roads.

SHAPING OF SLOPES, SODDING and RIP RAP at PORTABLE CULVERT ENDS



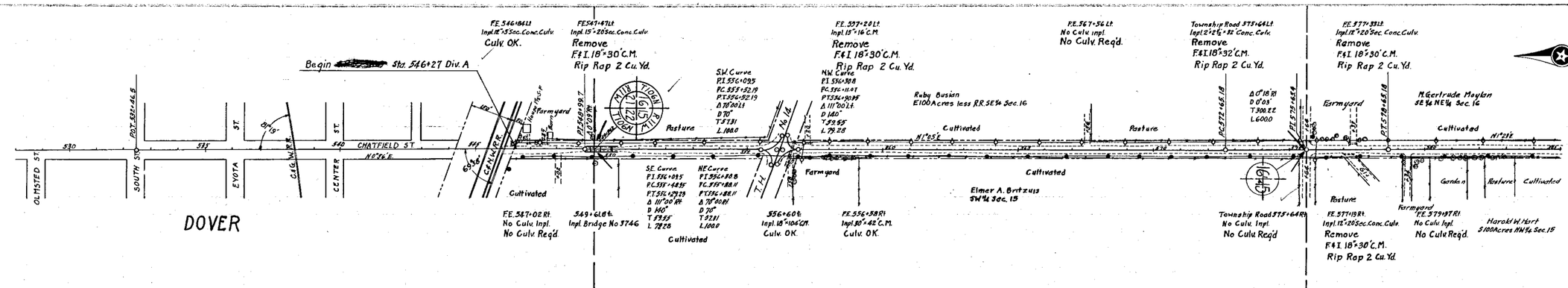
S.A.P. 55-508-01

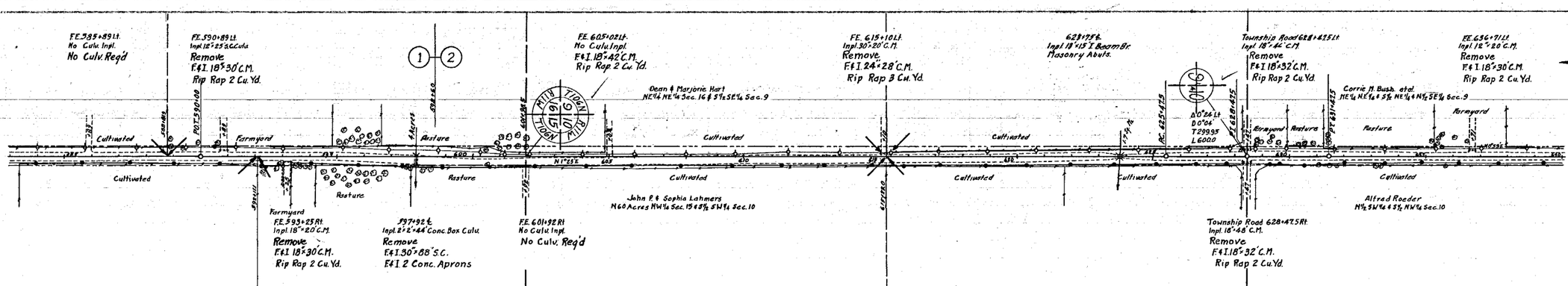
Sheet No 2 of 55 Sheets

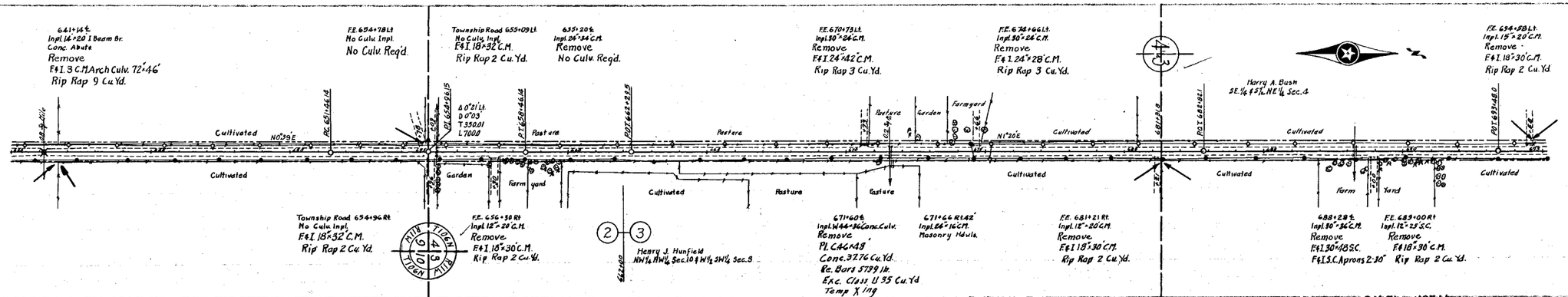
19

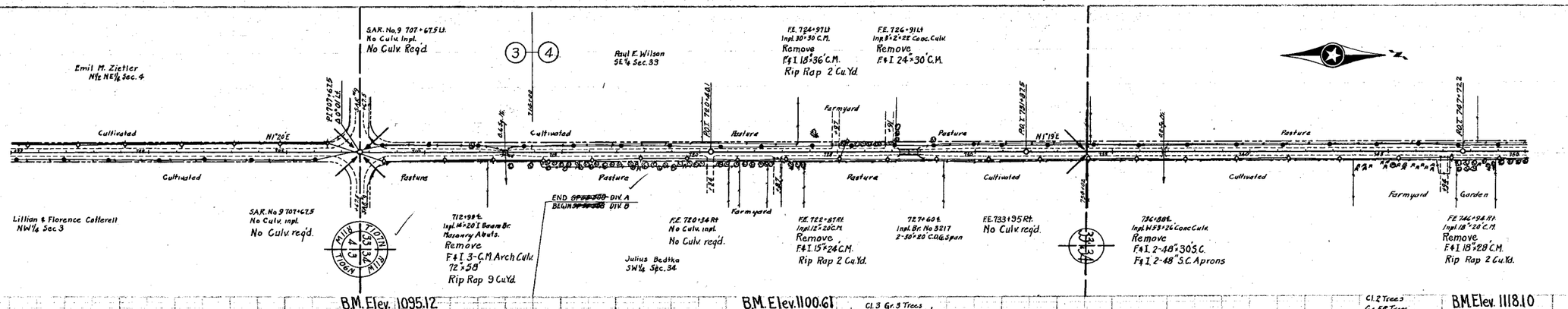
PWS 555

ROJ. NO. ~~55-508~~


Begin Sta. 546+27 Div. A
DOVER
OLMSTED ST
SOUTH ST
EYOTA
CENTER
CHATFIELD ST
C.G.W. R.R.
CANADIAN PACIFIC R.R.
MILE ONE
MILE TWO
TOWN 106 NORTH
RANGE 13 WEST
FE. 546+18 Lt. Inpl. 12"x35 Sec. Conc. Culv. Culv. OK.
FE. 547+47 Lt. Inpl. 15"x20 Sec. Conc. Culv. Remove F&I 18"x30" C.M. Rip Rap 2 Cu. Yd.
FE. 547+02 Rt. No Culv. Inpl. No Culv. Req'd
549+61 Lt. Inpl. Bridge No. 3746
SW Curve PI 554+09.5 PC 553+52.19 PT 554+52.19 Δ 76°00' Lt. D 70 T 57.31 L 88.80
NW Curve PI 554+30.8 PC 554+10.83 PT 554+90.95 Δ 111°00' Lt. D 140 T 93.55 L 79.28
SE Curve PI 556+09.5 PC 557+48.95 PT 556+79.29 Δ 111°00' Rt. D 140 T 93.55 L 78.28
NE Curve PI 556+88.8 PC 556+08.81 PT 556+88.11 Δ 76°00' Rt. D 70 T 57.31 L 88.80
356+60 Lt. Inpl. 15"x104' C.M. Culv. OK.
FE. 557+20 Lt. Inpl. 15"x16' C.M. Remove F&I 18"x30' C.M. Rip Rap 2 Cu. Yd.
FE. 556+58 Rt. Inpl. 30"x42' C.M. Culv. OK.
FE. 567+56 Lt. No Culv. Inpl. No Culv. Req'd.
Township Road 575+64 Lt. Inpl. 2'-2½"x32" Conc. Culv. Remove F&I 18"x32' C.M. Rip Rap 2 Cu. Yd.
Township Road 575+64 Rt. Inpl. 18"x48' C.M. No Culv. Inpl. No Culv. Req'd
FE. 577+33 Lt. Inpl. 12"x20 Sec. Conc. Culv. Remove F&I 18"x30' C.M. Rip Rap 2 Cu. Yd.
FE. 577+11 Rt. Inpl. 12"x20 Sec. Conc. Culv. Remove F&I 18"x30' C.M. Rip Rap 2 Cu. Yd.
FE. 577+98 Rt. No Culv. Inpl. No Culv. Req'd.
Ruby Busian E100A acres less RR SE¼ Sec. 16
Elmer A. Britzius SW¼ Sec. 15
M. Gertrude Moylan SE¼ NE¼ Sec. 16
Harold W. Hart 5100A acres NW¼ Sec. 15
Farmyard
Cultivated
Pasture
Garden
Pasture
Cultivated
Farmyard
Pasture
Cultivated
Farmyard
Cultivated
Pasture
Farmyard
Garden
Pasture
Cultivated
BM. Elev. 1152.27 High Point on City Water Valve 24' Lt. Sta. 532+76
B.M. Elev. 1147.068 USC&GS B.M. Y132
B.M. Elev. 1146.99 D in North End West Curb Bridge No. 3746
B.M. Elev. 1145.01 60 D. Nail in West Side 36" Chwd. 11 Rt. 40' No. of P.I. Cl. of Gr. 18 Trees
B.M. Elev. 1209.30 60 D. Nail in Root 18" Poplar 78' Lt. Sta. 578+55 Cl. 18 Trees Gr. 19 Trees
SUBGRADE TREATMENT Sta 570+00 to 574+00 Exc. 2' Below Grade 26' Wide Backfill with Select Matl from within R/W
SUBGRADE TREATMENT Sta 576+40 to 582+00 Exc. 2' Below 26' Wide Backfill with Select Matl from within R/W
EXC 12273 {T.S. 952 A 11321
EMB 8617
ESTIMATED QUANTITIES
MILE ONE Sta 546+27 to 598+60
Clear Trees 113 Trees
Grub Trees 78 Trees
Exc. Class A 25491 Cu. Yd.
Exc. Class B 221 Cu. Yd.
Remove Port Culv. 121 Lin. Ft.
Rip Rap 14 Cu. Yd.
F&I C.M. Culv. Pipe 18" 212 Lin. Ft.
F&I S.C. Culv. Pipe 30" 88 Lin. Ft.
F&I S.C. Culv. Apron 30" 2 Aprons
Remove Old Stru. 2
Crushed Rock Inp. 1290 Cu. Yd.


FE. 585+89 Lt. No Culv. Inpl. No Culv. Req'd
FE. 590+89 Lt. Inpl. 18"x25 3 C.C. Culv. Remove F&I 18"x30' C.M. Rip Rap 2 Cu. Yd.
FE. 593+25 Rt. Inpl. 18"x20' C.M. Remove F&I 18"x30' C.M. Rip Rap 2 Cu. Yd.
597+92 Lt. Inpl. 2'-2"x44' Conc. Box Culv. Remove F&I 30"x88' S.C. F&I 2 Conc. Aprons
FE. 601+92 Rt. No Culv. Inpl. No Culv. Req'd
FE. 605+02 Lt. No Culv. Inpl. F&I 18"x42' C.M. Rip Rap 2 Cu. Yd.
FE. 615+10 Lt. Inpl. 30"x20' C.M. Remove F&I 24"x28' C.M. Rip Rap 3 Cu. Yd.
628+75 Rt. Inpl. 18"x15' I Beam Br. Masonry Abuts.
Township Road 628+43.5 Lt. Inpl. 18"x42' C.M. Remove F&I 18"x32' C.M. Rip Rap 2 Cu. Yd.
Township Road 628+47.5 Rt. Inpl. 18"x48' C.M. Remove F&I 18"x32' C.M. Rip Rap 2 Cu. Yd.
FE. 636+71 Lt. Inpl. 12"x20' C.M. Remove F&I 18"x30' C.M. Rip Rap 2 Cu. Yd.
Dean & Marjorie Hart NE¼ NE¼ Sec. 16 & S½ SE¼ Sec. 9
John P. & Sophia Lahmers N60 Acres NW¼ Sec. 15 & S½ SW¼ Sec. 10
Corrie M. Bush. et al NE¼ NE¼ & S½ NE¼ & N½ SE¼ Sec. 9
Alfred Roeder N½ SW¼ & S½ NW¼ Sec. 10
Farmyard
Cultivated
Pasture
Farmyard
Cultivated
Pasture
Cultivated
Cultivated
Cultivated
Cultivated
Farmyard
Pasture
Pasture
Cultivated
Cultivated
BM. Elev. 1187.06 D in SW. Cor. of Sidewalk 65' Rt. Sta 592+65
BM. Elev. 1133.62 60 D. Nail in Root 6" Oak 15' Lt. Sta. 602+59
BM. Elev. 1112.16 60 D. Nail in Root 42" Maple 61' Lt. Sta. 629+50
Cl. 5 Trees Cl. & Gr. 24 Trees
Cl. 72 Trees Grub 42 Trees
Cl. 57 Trees Gr. 21 Trees
SUBGRADE TREATMENT Sta 587+00 to 592+00 Exc. 2' Below Grade 26' Wide Backfill with Select Matl from within R/W
SUBGRADE TREATMENT Sta 627+00 to 634+00 Exc. 2' Below Grade 26' Wide Backfill with Select Matl from within R/W
EXC 13439 {T.S. 1050 A 12168 B 221
EMB 9624
EXC. 11928 {T.S. 615 B 5843 A 5070
EMB 9977
EXC. 6184 {T.S. 345 A 5839
EMB 4532
ESTIMATED QUANTITIES
MILE TWO Sta 598+60 to 662+00
Clear Trees 79 Trees
Grub Trees 63 Trees
Exc. Class A 25326 Cu. Yd.
Exc. Class B 5843 Cu. Yd.
Remove Port. Culv. 188 Lin. Ft.
Rip Rap 26 Cu. Yd.
F&I C.M. Culv. Pipe 18" 250 Lin. Ft.
F&I C.M. Culv. Pipe 24" 24 Lin. Ft.
F&I C.M. Arch Culv. Pipe 72"-span 138 Lin. Ft.
Remove Old Stru. 1
Crushed Rock Inp. 1555 Cu. Yd.
Pl. 1 C Type Box Culv. Conc. 70.16 Cu. Yd.
Re. Bars 11578 Lbs.
Exc. Class U 60 Cu. Yd.
Remove Old Stru. 1
Pl. Temp. Bypass 1





S.A.P. 55-508-01

PLAN NO. 1 of 19

FORM 129 A

CONVENTIONAL SIGNS & ABBREVIATIONS

STATE LINE		EXCAVATION	E
COUNTY LINE		EMBANKMENT	F
TOWNSHIP LINE		OVERHAUL	H
SECTION LINE		SURFACING	S
CITY, VILLAGE, OR BOROUGH		GUARD RAIL	GR
FENCE LINE		INTERSECTION ANGLE	Δ
RIGHT-OF-WAY LINE		RADIUS	R
TRAVELLED WAY		ELEVATION	El.
RAILROADS		VERTICAL CURVE	VC.
RETAINING WALL		BENCH MARK	B.M.
BASE OR SURVEY LINE	36 +00	SECTIONAL CONCRETE CULVERT	P.1
LEVEE		CORRUGATED METAL CULVERT	C.M.
GRAVEL PIT	G	CULVERT HAUL	P.H
SAND PIT	S	TON MILES	T.M.
CLAY PIT	C	PLACE	P
ROCK QUARRY	Q	IN PLACE	Inp.
CULVERTS		REPLACE	Repp.
PLAIN		RIGHT	R
WITH FACEWALLS		LEFT	L
WITH WINGWALLS		HAND DITCHING	H.D
DROP INLET		POINT OF CURVE	PC
POWER POLE LINE		POINT OF TANGENT	P.T
TELEPHONE OR TELEGRAPH LINE		POINT OF INTERSECTION	P.I
MARSH		SPECIAL EXCAVATION	S.E.
HEDGE, BRUSH, OR TIMBER		SPECIAL PLOWING	S.P.
GROUND ELEVATION	751	TELEPHONE POLE	Tel.P.
GRADE ELEVATION	754		

The Specifications for Highway Construction dated July 1, 1947 and submitted for approval by the Division Engineer of the Bureau of Public Roads October 15, 1947 shall govern

STATE HIGHWAY DEPARTMENT
OF MINNESOTA
Plan and Profile of State Road No. 10

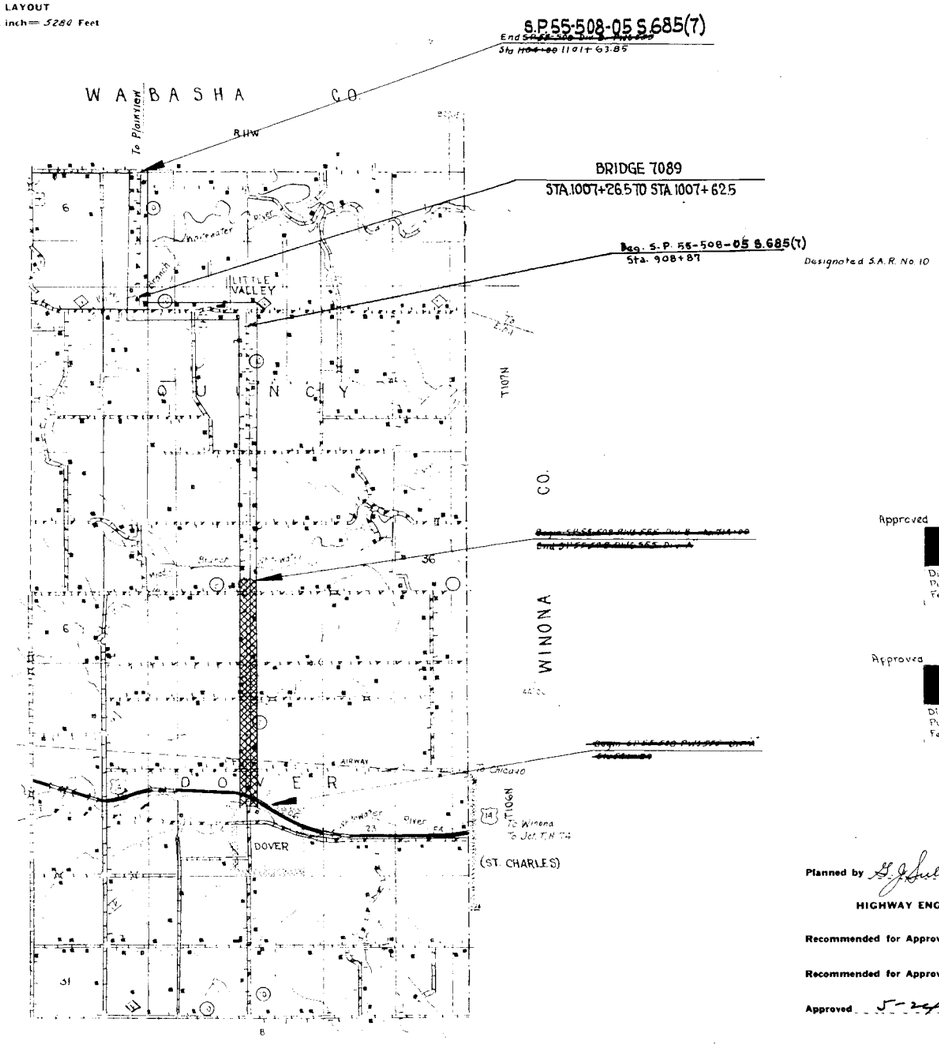
COUNTY OF OLMSTED

From A point 956.0' So of N.E.Cor Sec 16 T 107 N R 11 W **To** N 1/4 Cor. Sec 5 T 107 N R 11 W
Give proper reference to Section, Township and Range.

GROSS LENGTH- 18,879.36 FEET, 3.576 MILES
LENGTH OF EXCEPTIONS: . . . . . FEET . . . . . MILES
NET LENGTH- 18,879.36 FEET, 3.576 MILES

SCALES
- PLAN, 1 inch = 200 Feet.
- PROFILE, Horz. 1 inch = 200 Feet. Vert. 1 inch = 20 Feet
- WORKING PLANS: Horz. 1 inch = 100 Feet; Vert. 1 inch = 10 Feet; Cross-Sections, 1 = Feet

LAYOUT
SCALE, 1 inch = 5280 Feet



INDEX OF SHEETS

Sheet No. 1. Title Sheet and Layout Map
" No. 2. Typical Cross-Sections and Statement
" No. 3. Plan and Profile, Sta. 908+89 to Sta. 990+73.6
" No. 4. " " " Sta. 990+73.6 to Sta. 1080+00
" No. 5 " " " Sta. 1080+00 to Sta. 1101+63.85
" No. 6 - 22 Cross-Sections

No sheet 6

MINN.PROJ. S. 685(7)

Approved
[redacted]
District Engineer
Public Roads Administration
Federal Works Agency

Approved
[redacted]
Division Engineer
Public Roads Administration
Federal Works Agency

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
H J Sullivan

Planned by H J Sullivan DATE 8-8-49 REG. NO. 1607
HIGHWAY ENGINEER FOR Olmsted COUNTY

Recommended for Approval 7-12-49 [redacted] DIVISION ENGINEER

Recommended for Approval 8-24-49 [redacted] ENGINEER OF COUNTY HIGHWAYS

Approved 5-24 1949 [redacted] CHAIRMAN OF BOARD OF COUNTY COMMISSIONERS

S.P.55-508-05 S.685(7)

OLMSTED County, Minnesota. County Proj. No. PHS 553 SP 55-508 Plan No. Sheet 1 of 22 Sheets

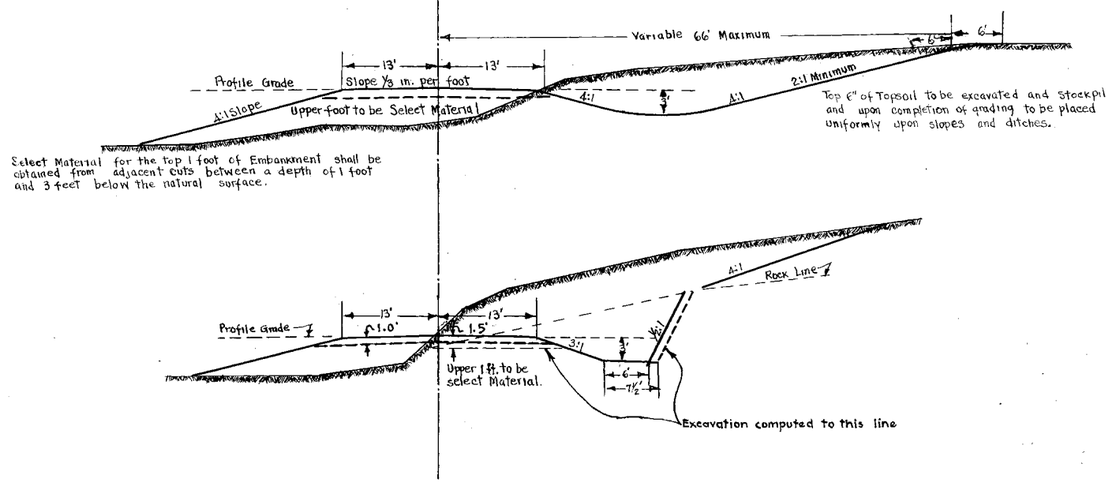
FORM 129 C - #2 Rev. '46

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	SEC.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
5N	MINN.				2.	

ESTIMATED QUANTITIES

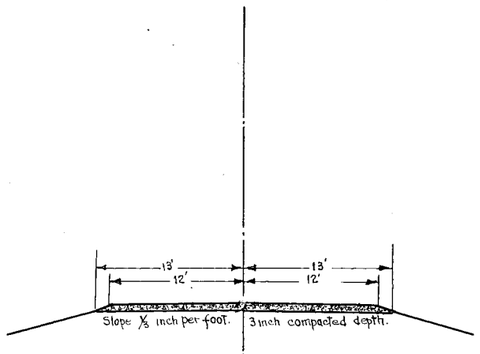
SPECIFICATION NO.	ITEM	UNIT	MILE 1 Sta. 908+87 To Sta. 963+80	MILE 2 Sta. 963+80 To Sta. 1018+13	MILE 3 Sta. 1018+13 To Sta. 1071+00	MILE 4 Sta. 1071+00 To Sta. 1102+00	MILE Sta. To Sta.	MILE Sta. To Sta.	MILE Sta. To Sta.	MILE Sta. To Sta.	MILE Sta. To Sta.	MILE Sta. To Sta.	TOTAL ESTIMATED QUANTITIES
2101.501	Clearing	Acre	0.8										0.8
2101.506	Grubbing	Acre	0.8										0.8
2101.502	Clearing	Tree	65	158	99	24							346
2101.507	Grubbing	Tree	70	344	206	30							650
2105.501	Class A Excavation	Cu. Yd	27682	30016	22449	10457							90604
2105.502	Class B Excavation	Cu. Yd.	10652		362	461							11475
2104.501	Remove Portable Culverts	Lin. Ft	146	181.5	201	80							609.5
2442.501	Remove Old Structure Sta. 933+40	Struct.	1										1
2242.501	Remove Old Structure Sta. 1065+87	Struct			1								1
2501.511	F.A.I. C.M.P. Culvert 18"	Lin.Ft.	182	198	270	152							802
2501.511	F.A.I. C.M.P. Culvert 24"	Lin.Ft.		44	62								106
2501.521	F.A.I. S.C.P. Culvert 48"	Lin.Ft.			88								88
2515.531	F.A.I. Aprons for C.M.P. 18"	Apron	12	12	18	10							52
2515.531	F.A.I. Aprons for C.M.P. 24"	Apron		2	2								4
2515.541	F.A.I. Aprons for S.C.P. 48"	Apron			4								4
2414.511-72	F.A.I. P-C Concrete Cattle Pass	Lin.Ft.	30										30
2414.51272	F.A.I. P-C Conc. Cattle Pass End Sec.	End Sec	2										2
2414.501	Cattle Pass Excavation	Cu Yd	60										60
2411.501	Concrete	Cu.Yd.		260.64	97.23								357.87
2411.541	Reinforcement Bars	Lbs		33704	16075								49779
2411.525	Class U Excavation	Cu.Yd.		120	100								220
2442.501	Remove Old Structure Sta 1007+44	Struct		1									1
2442.501	Remove Old Structure Sta 1035+35	Struct			1								1
2441.501	Double-lane By Pass Sta. 1007+44	By Pass		1									1
2441.501	Double-lane By Pass Sta. 1035+35	By Pass			1								1
2252.527	Crushed Rock Wearing Course Inplace	Cu.Yd.	1656	1634	1487	887							5664

TYPICAL GRADING SECTIONS



SPECIAL DETAILS

TYPICAL BASE & SURFACE SECTIONS



STANDARD DETAIL PLATES

Standard Detail Plates issued October 1, 1947 and submitted for approval by the Division Engineer of the Public Roads Administration October 15, 1947, shall govern.

PLATE NO.	STANDARD DETAIL PLATES
3001	Sectional Concrete Culvert Pipe
3102	Concrete Apron for Sectional Concrete Pipe
3020	Precast Concrete Cattle Pass
3123	Metal Apron for C.M. Pipe

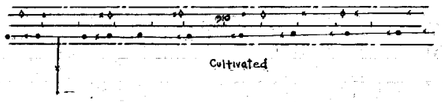
Crushed Rock Computed at the rate of 1400 Cu.Yds. per Mile 550 Cu.Yds. allowed for approaches and Cross Roads.

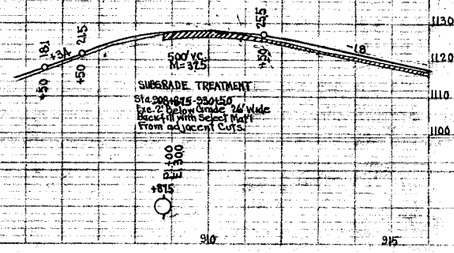
S.P. 55-508-05 S.685(7)

.....County, Minn. Proj. No.....Plan No.....Sheet No. 2 of 22 Sheets.

DAHMS PHOTO PRINT CO. MPLS. 1, MINN.

Sta. 908+87
BEG. S.P. 55-508-05 S.685(7)





PLAN

PC 912+75.16
Δ 89° 28'
D. 10°
T 568.37
L. 894.67
PI. 918+43.53

FE 920+81 Lt.
Inst. 15"x22CM.
Remove
F&I 18"x30CM.
F&I 2 Aprons
For CMP 18"

PC 916+46.8
Δ 89°28' Lt.
D 20°
T 1367
L 308.5

Barn
Garden
PI 921+89.63
923+28.97

Note: Const. To Dash Line

PI 918+43.53
PT 919+51.53

FE 930+61 Lt.
No Culv. Req'd.

Sta. 933+40 ℄
Inst W64x24 Conc Culv.
Remove

FE 937+10 Lt.
Inst 15"x26'CM.
Remove
F&I 18"x30'CM.
F&I 2 Aprons
For CMP 18"

FE 940+08 Lt.
Inst. 15"x20'CM.
Remove
F&I 18'x30'CM.
F&I 2 Aprons
For CMP 18"

Twp Rd 930+72 Rt.
Inst 12"x22.5'Sc.
Remove
No Culv Req'd.

Sta. 933+00 ℄
F&I 2 PC Conc Cattle Pass 30'
F&I 2 PC Conc Cattle Pass
End Sections
Cattle Pass Etc GOCY.

PC 937+50.6
PI 939+89.3

Δ Rt 22°44'
D. 5°
T 250.44
L 454.7

EQU PI 940+08.2 = 941+34.08

TS 942+53.23
SC 943+50.23
CS 945+80.23
ST 948+04.23

Δ Lt 47°00'
D. 7°
Ts 482.19
Ls 250'
LT 1668.7
Yc 249.82
Ys 12.70
θs 8.75°

PI 947+41.42

FE 955+89 Lt.
Inst. 18"x28'CM.
Remove
F&I 18"x30'CM.
F&I 2 Aprons
For CM.P 18"

PI 954+88.4
CS 955+85.16

Twp Rd 957+88 Lt.
F&I 18"x 82'CM.
F&I 2 Aprons
For CM.P 18"

EQU 957+85.16 = 957+55.62

960+82 ℄
Inst Br. No. 3630
O.K.

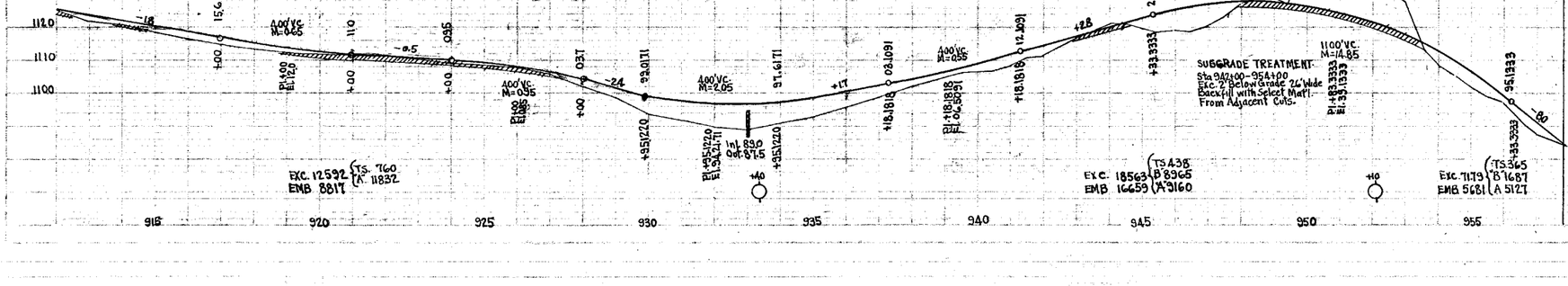
PC 962+73.61

PI 970+73.86

FE 955+89 Rt.
Inst. 12"x22.5'Sc.
Remove
F&I 18"x30'CM.
F&I 2 Aprons
For CM.P 18"

FE 968+12 Rt.
Inst. 12"x25'Sc.
Remove
F&I 18"x30'CM.
F&I 2 Aprons
For CMP 18"

B.M. Elev. 1110.04
60 D. Nail in Root 42" Maple
32' Lt. Sta. 921+13



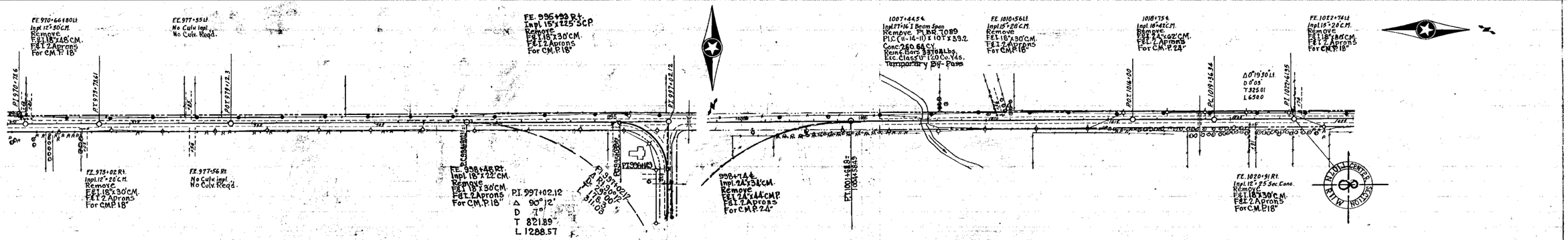
C1.8 Gr. 0.8 Acres

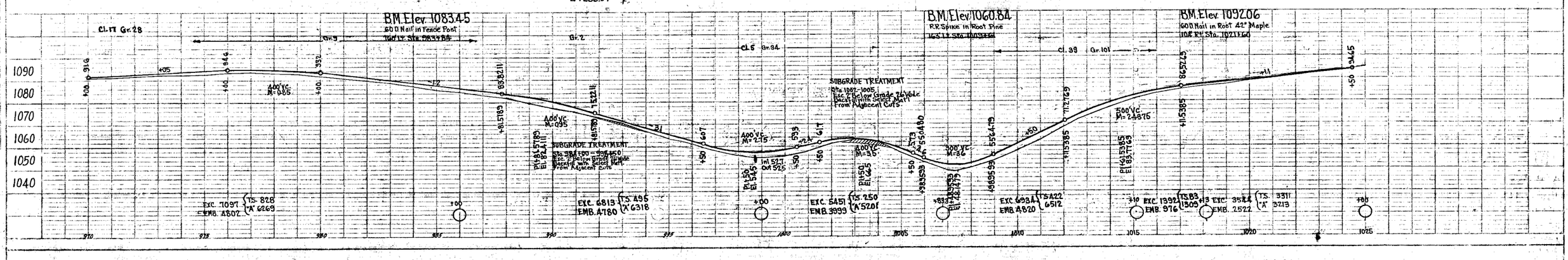
B.M. Elev. 1089.90
60 D. Nail, in Root 24" Spruce
71' Rt. Sta. 957+05

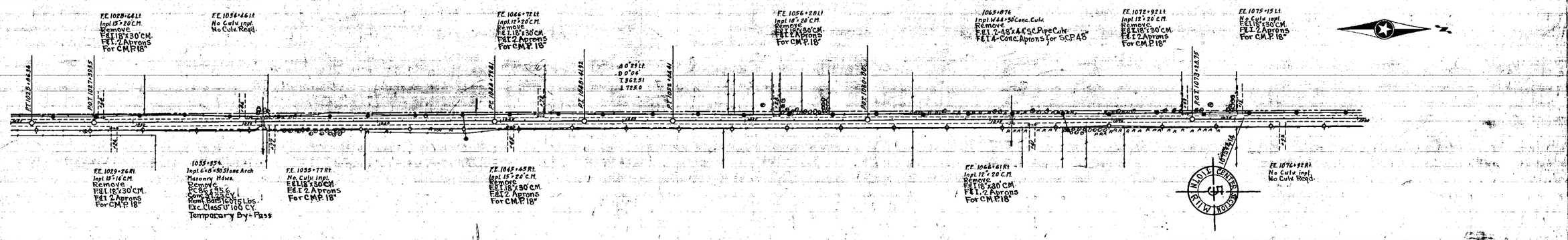
B.M. Elev. 1089.33
60 D. Nail in Root 48" Ctnwd.
73' Rt. Sta. 967+10

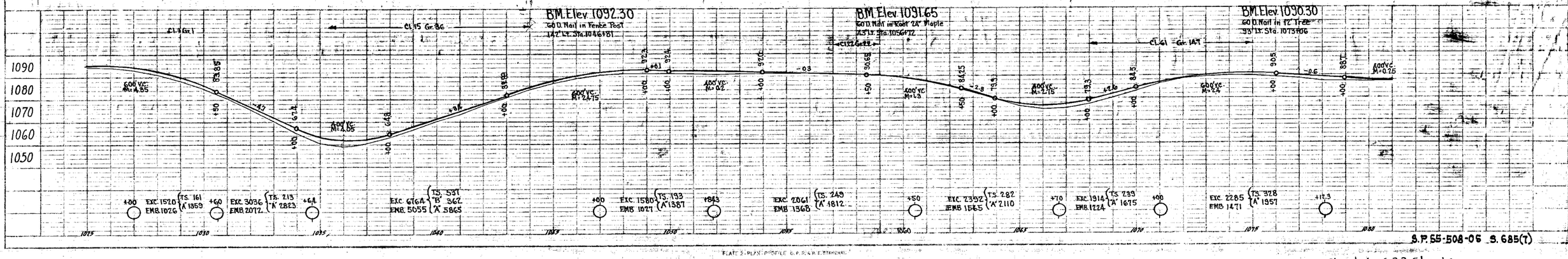
C1.97 Gr 1.10

S.P. 55-508-05 S.685(7)







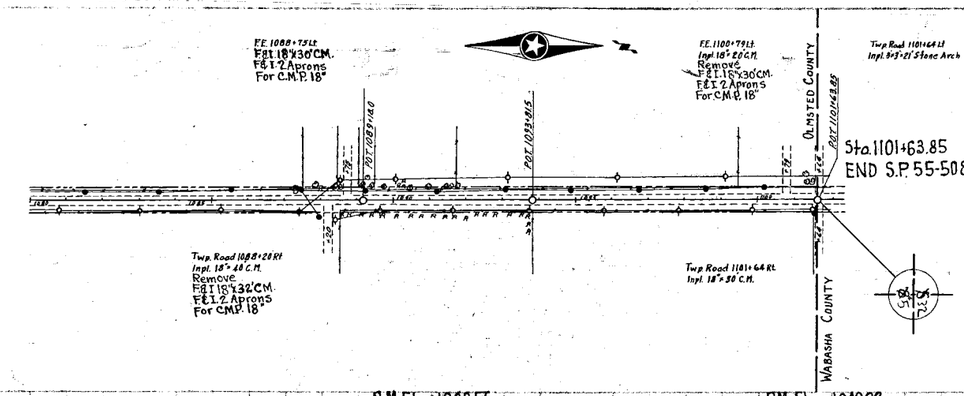


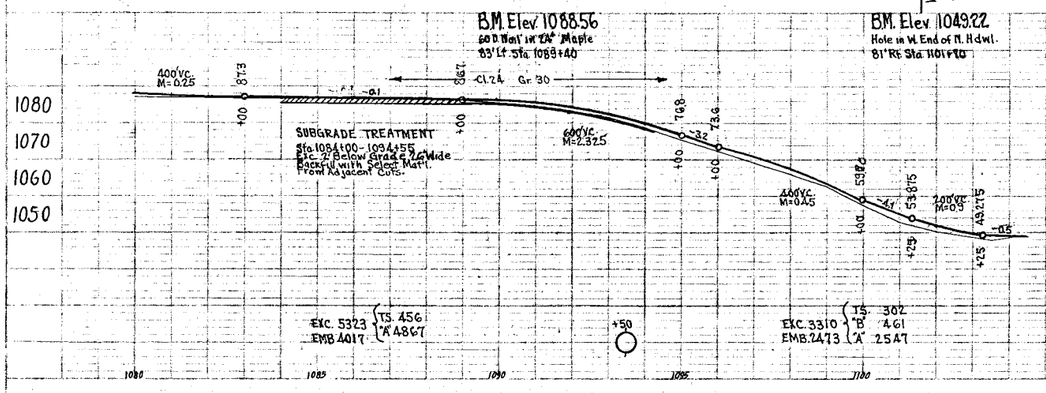
PLAN
PROFILE

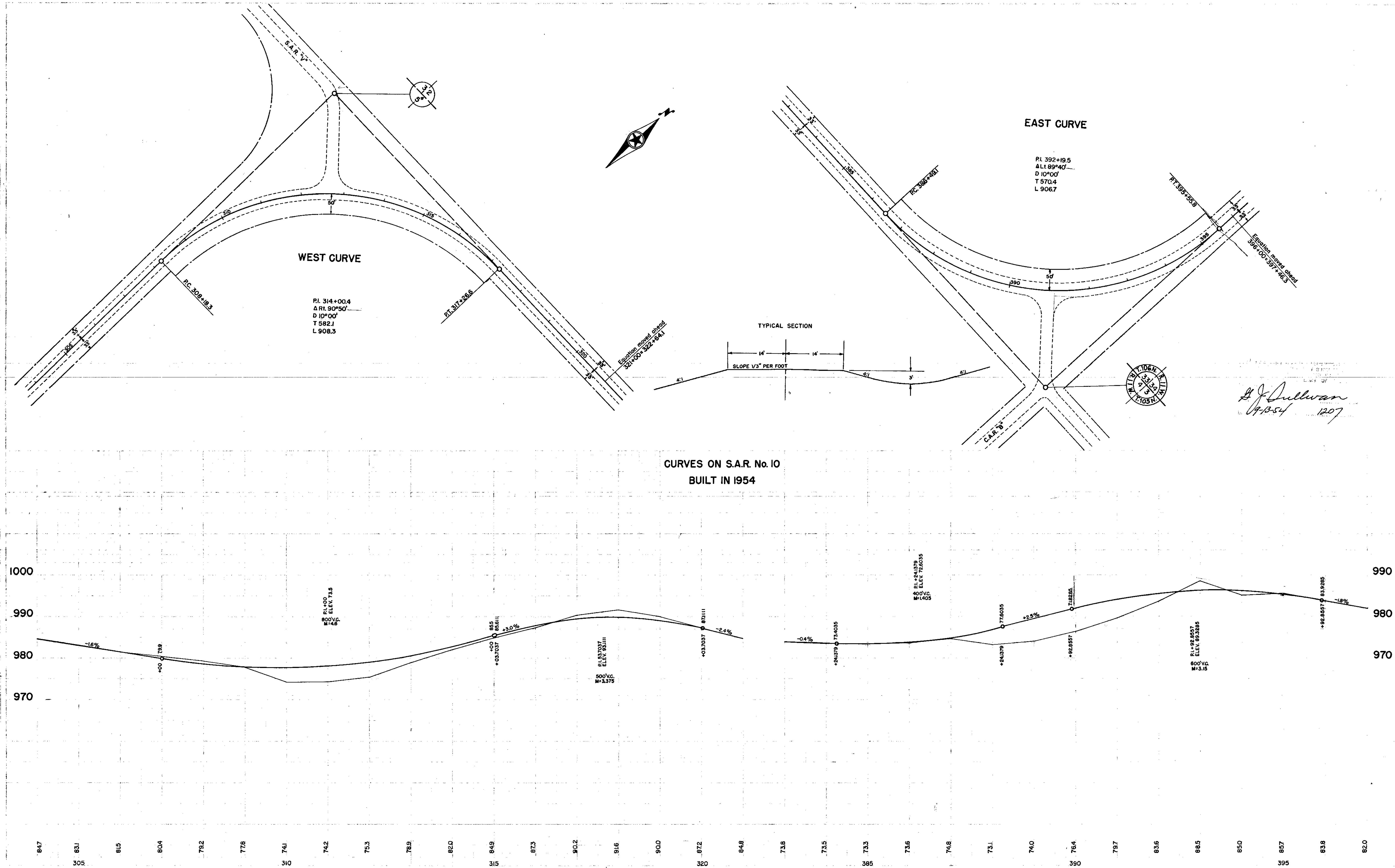
PLATE 3-PLAN-PROFILE U.P.R.R.B.E. STANDARD
KEUFFEL & ESSER CO., NEW YORK

S.P. 55-508-06 S. 685(7)

Sheet 4 of 22 Sheets


F.E. 1088+75 Lt.
Inst. 18"x30' C.M.
F&I 2 Aprons
For C.M.P. 18"
F.E. 1100+79 Lt.
Inst. 18"x30' C.M.
Remove
F&I 18"x30' C.M.
F&I 2 Aprons
For C.M.P. 18"
Twp. Road 1101+64 Lt
Inst. 8'3"x5'-2" Stone Arch
Sta. 1101+63.85
END S.P. 55-508-05 S. 685(7)
OLMSTED COUNTY
WABASHA COUNTY
POT. 1085+40
POT. 1093+85
POT. 1104+85
Twp. Road 1088+28 Rt
Inst. 18"x 48' C.M.
Remove
F&I 18"x32' C.M.
F&I 2 Aprons
For C.M.P. 18"
Twp. Road 1101+64 Rt.
Inst. 18"x 30' C.M.


B.M. Elev. 1068.56
60' D. Wall in 24" Maple
83' Lt. Sta. 1088+40
B.M. Elev. 1049.22
Hole in W. End of N. Hdwl.
81' Rt. Sta. 1101+40
400' Vc.
M= 0.25
Cl. 24
Gr. 30
SUBGRADE TREATMENT
Sta. 1084+00 - 1094+55
Ext. 2' Below Grade & 26' Wide
Backfill with Select Matl.
From Adjacent Cuts.
600' Vc.
M=2.325
400' Vc.
M=0.45
200' Vc.
M=0.9
EXC. 5323 { TS. 456
EMB. 4017 { "A" 4867
EXC. 3310 { TS. 302
EMB. 2473 { "B" 461
"A" 2547
1080
1070
1060
1050
1080
1085
1090
1095
1100



S.P. 55-508-07 MINN. PROJ. S685(9)