FORM 100-A '65

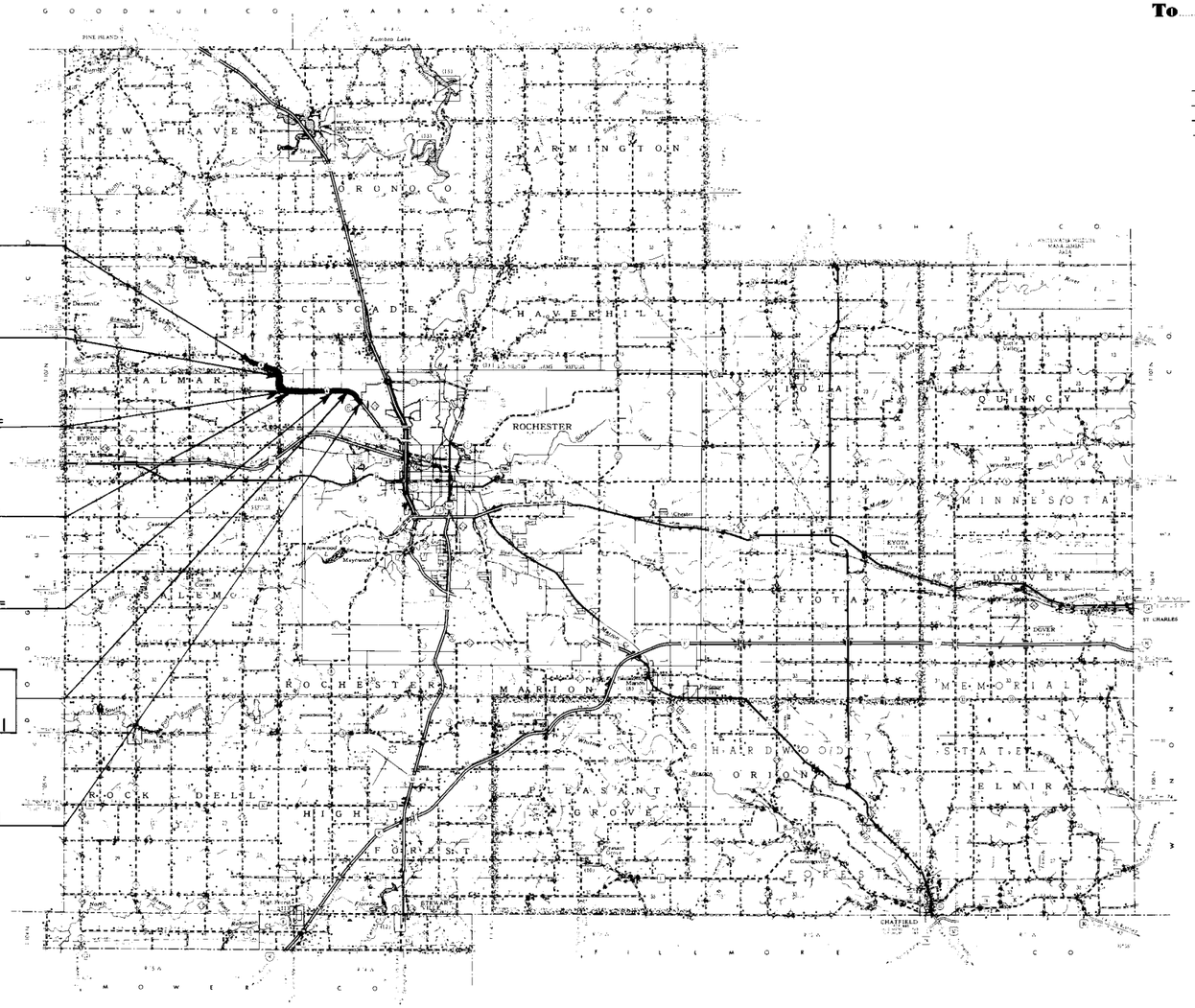
Minn. Proj. No. RS 6260 (2)

PLANS SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT-OF-WAY LINE
PRESENT RIGHT-OF-WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS
TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT-OF-WAY LINE
RIVER OR CREEK (NAME)
DRY RUN
DRAINAGE DITCH (SIZE)
DRAIN TILE
CULVERT
DROP INLET
GUARD RAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
RAILROAD SNOW FENCE
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER
SPRINGS
MARSH
TIMBER
ORCHARD
BRUSH
NURSERY
(TIMBER)
CATCH BASIN C.B.
FIRE HYDRANT
CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE
BUILDING (One Story Frame)
F-FRAME C-CONCRETE
S-STONE T-TILE
B-BRICK ST-STUCCO
IRON PIPE OR ROD
MONUMENT (STONE, CONCRETE, OR METAL)
WOODEN HUB
GRAVEL PIT (G)
SAND PIT (S)
BORROW PIT (B)
ROCK QUARRY (Q)

UTILITIES SYMBOLS

POWER POLE LINE
TELEPHONE OR TELEGRAPH POLE LINE
JOINT TELEPHONE AND POWER ON POWER POLES
ON TELEPHONE POLES
ANCHOR
STEEL TOWER
STREET LIGHT
PEDESTAL (TELEPHONE CABLE TERMINAL)
GAS MAIN
WATER MAIN
CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRIC CABLE IN CONDUIT
TELEPHONE MANHOLE
ELECTRIC MANHOLE
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
AERIAL TELEPHONE CABLE
SEWER, (SANITARY OR STORM)
SEWER MANHOLE



STATE OF MINNESOTA

DEPARTMENT OF HIGHWAYS

CONSTRUCTION PLAN FOR Aggregate Base, Concrete Paving, Aggregate Shoulders and Bituminous Approaches.

COUNTY STATE AID HIGHWAY NO. 4

BETWEEN CSAH 3 **AND** C.R. 151

From 1,621.6' North & 1,470.1' West of S 1/4 Cor. Sec. 13 T107N - R15W
(Give proper reference to Sections, Township and Range)

To 1,669.77' N.W. of S 1/4 Cor. Sec. 21 T107N - R14W

SP 55-604-10		SAP 55-604-11		
3.200 Miles 16,895.86 Feet	GROSS LENGTH	2596.44	FEET 0.492	MILES
0 Miles 0 Feet	BRIDGES-LENGTH		FEET 0	MILES
0 Miles 0 Feet	EXCEPTIONS-LENGTH		FEET 0	MILES
3.200 Miles 16,895.86 Feet	NET LENGTH	2596.44	FEET 0.492	MILES

INDEX OF SHEETS

Sheet No. 1 Title Sheet & Layout Map
" No. 2 Est. Quantities & Typical Sec.
" No. 3 To 9 Plan & Profile
" No. To

DESIGN SPEED 50 M.P.H.

PROJECTED A.D.T. 2368
ONE WAY EST. HCADT 119

9 TON DESIGN

SOIL FACTOR 130

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS AND ORDINANCES WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

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.

Carl Schallhammer (COUNTY ENGINEER) DATE March 30 1976

Olmsted COUNTY REG. NO. 8084

RECOMMENDED FOR APPROVAL [signature] (DISTRICT STATE AID ENGINEER) 4-6 1976

RECOMMENDED FOR APPROVAL Osbert B. Ofstedal 8-11 1976

APPROVED 8/11 1976 [signature] (STATE AID ENGINEER)

— SPECIFICATIONS —
MINNESOTA HIGHWAY DEPARTMENT
STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION
DATED JANUARY 1, 1972, AS AMENDED BY "SUPPLEMENTAL SPECIFICATIONS"
DATED APRIL 1, 1976 SHALL GOVERN.

S.A.P. 55-604-11
State Project No. 55-604-10

OLMSTED County, Minnesota. County Proj. No. ____ Plan No. ____ Sheet 1 of 10 Sheets

ALBINSON, INC.

Fed. Proj. No. RS 6260 (2)

F. Ent. Lt. Sta. 380 + 00
2" Bituminous Approach
See Detail Sheet No. 2

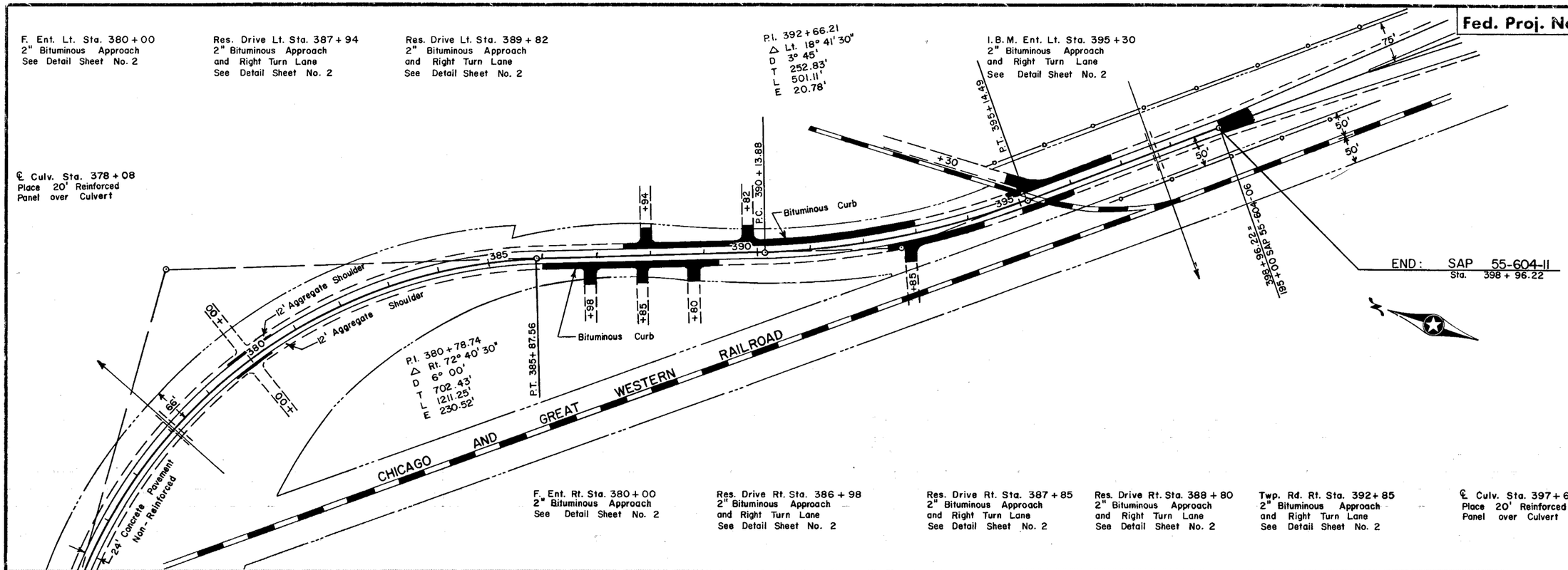
Res. Drive Lt. Sta. 387 + 94
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Lt. Sta. 389 + 82
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

P.I. 392 + 66.21
Δ Lt. 18° 41' 30"
D 3° 45'
T 252.83'
L 501.11'
E 20.78'

I.B.M. Ent. Lt. Sta. 395 + 30
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

℄ Culv. Sta. 378 + 08
Place 20' Reinforced
Panel over Culvert



F. Ent. Rt. Sta. 380 + 00
2" Bituminous Approach
See Detail Sheet No. 2

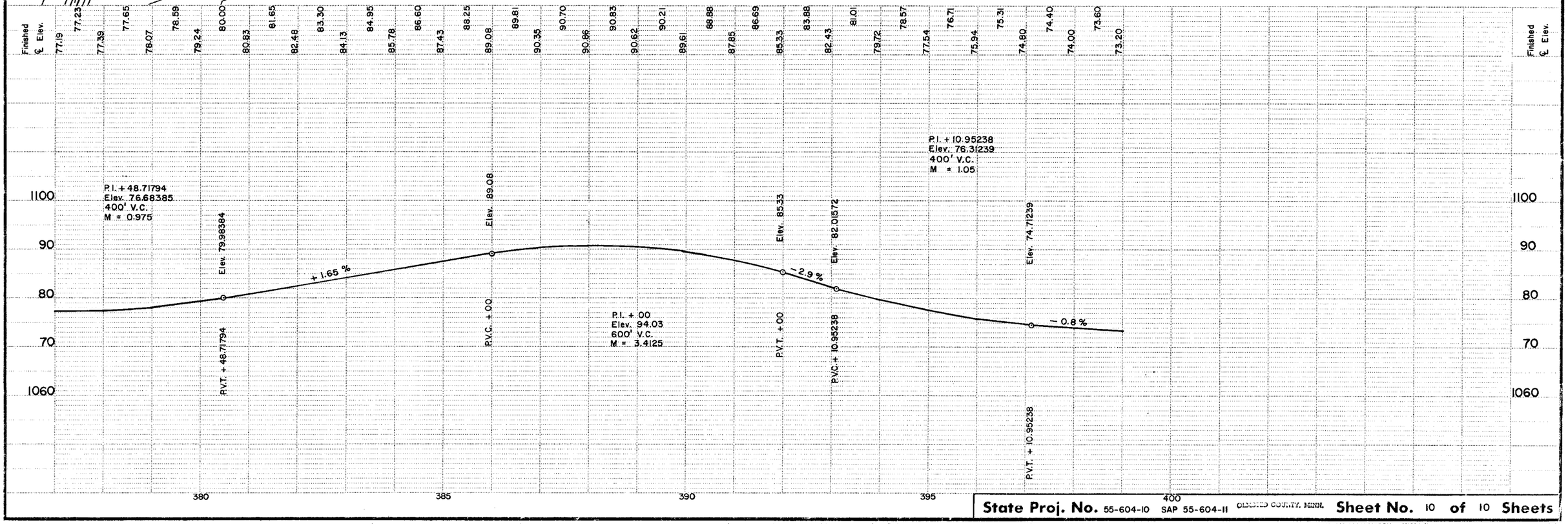
Res. Drive Rt. Sta. 386 + 98
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Rt. Sta. 387 + 85
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Rt. Sta. 388 + 80
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Twp. Rd. Rt. Sta. 392 + 85
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

℄ Culv. Sta. 397 + 65
Place 20' Reinforced
Panel over Culvert



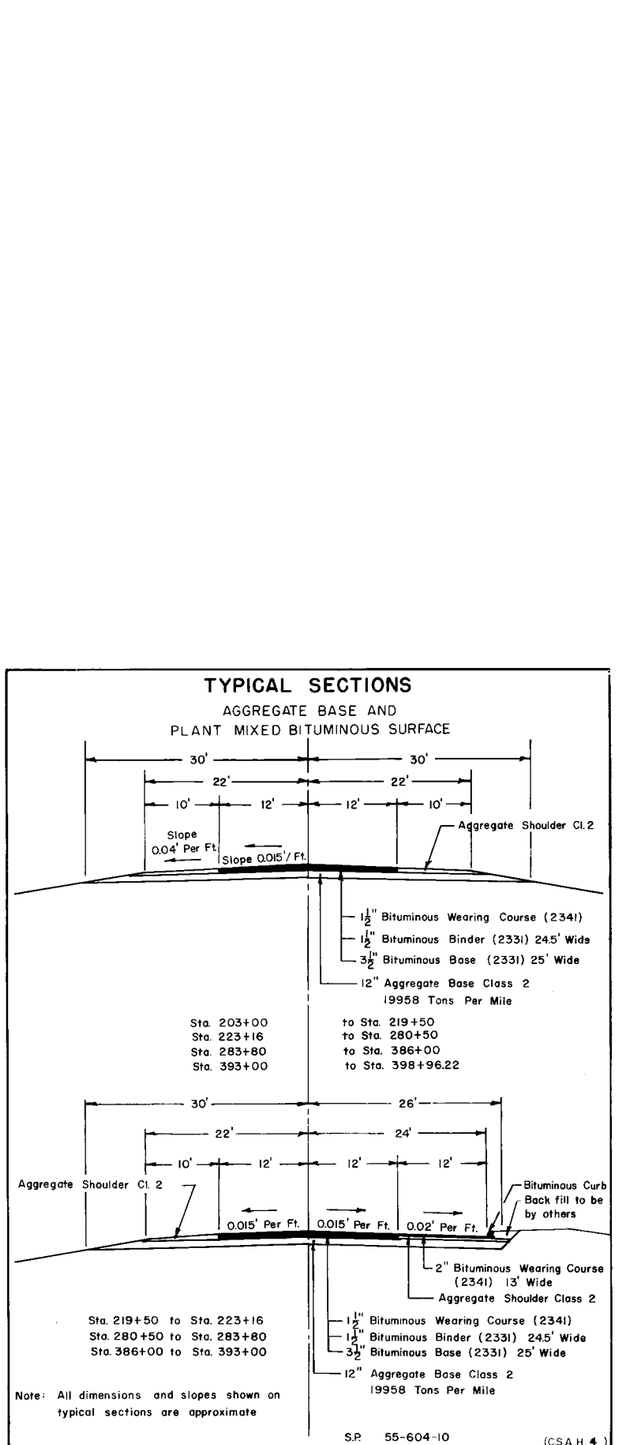
State Proj. No. 55-604-10 SAP 55-604-11 OLMSTED COUNTY, MINN. **Sheet No.** 10 **of** 10 **Sheets**

Fed. Proj. No.

BITUMINOUS SURFACING ALTERNATE

TYPICAL SECTIONS

AGGREGATE BASE AND
PLANT MIXED BITUMINOUS SURFACE



Note: All dimensions and slopes shown on typical sections are approximate

S.P. 55-604-10 (C.S.A.H. 4)

OLMSTED COUNTY COUNTY STATE AID PROJECT 55-604-11

ESTIMATED QUANTITIES

SPEC. NO.	ITEM DESCRIPTION	UNIT	SP55-604-10 RURAL	SAP 55-604-11 RURAL	TOTAL ST. QUANT.
2123.503	MOTOR GRADER	HOUR	16	8	24
2123.521	PNEUMATIC TIRED ROLLER	HOUR	16	8	24
2130.501	WATER	(M)GALLONS	34	10	44
2211.501	AGGREGATE BASE, CLASS 2	TON	65591	10183	75774
2221.501	AGGREGATE SHOULDERING CLASS 2	TON	14733	2264	16997
2331.504	BITUMINOUS MATERIAL FOR MIXTURE	TON	532	82	614
2331.514	BASE COURSE MIXTURE	TON	9035	1388	10423
2331.510	BINDER COURSE MIXTURE	TON	3795	583	4378
2341.504	BITUMINOUS MATERIAL FOR MIXTURE	TON	285	59	344
2341.508	WEARING COURSE MIXTURE	TON	4598	956	5554
2357.502	BITUMINOUS MATERIAL FOR TACK COAT	GALLON	4506	692	5198
2535.501	BITUMINOUS CURB	LINEAR FT	560	675	1235

NOTE: EQUIPMENT HOURS ARE PROVIDED FOR SHAPING AND COMPACTING THE OLD ROAD PRIOR TO PLACING THE NEW BASE AS DIRECTED BY THE ENGINEER

ITEM 2211.501 INCLUDES 2093 TONS OF BASE MATERIAL FOR SURFACING ENTRANCES AND APPROACHES AS AS DIRECTED BY THE ENGINEER

STANDARD PLATES, APPROVED BY THE DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINSTRATION, SHALL APPLY ON THIS PROJECT

BASIS FOR PLANNED QUANTITIES

AGGREGATE BASE

AGGREGATE FOR BASE ..... 140 lbs. per Cu. Ft. compacted
WATER TO BE USED FOR DUST CONTROL AS DIRECTED BY THE ENGINEER
AGGREGATE SHOULDERING (CLASS 2) ..... 4904 Tons per mile

PLANT MIXED BITUMINOUS SURFACE

BITUMINOUS MATERIAL FOR TACK COAT ..... 0.05 GAL. PER SQ. YD.
BITUMINOUS MATERIAL FOR MIXTURE ..... 6.2% OF WEIGHT OF MIXTURE.
BITUMINOUS MATERIAL COMPUTED FOR 20355 TONS INCLUDES ..... 1267 TONS FOR ENT. AND APPS.

STANDARD PLATES

	PLATE NO.	DESCRIPTION
SP55-604-10	9000 B	BITUMINOUS SURFACING ON APPROACHES
	8000 F	STANDARD BARRICADES
	0002 A	SPECIFICATIONS REFERENCE TO STANDARD PLATES
(C.S.A.H. 4)	7065 C	BITUMINOUS CURB

OLMSTED COUNTY COUNTY STATE AID PROJECT 55-604-11

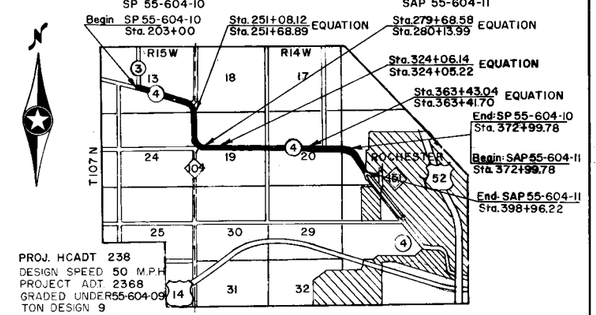
COUNTY OF OLMSTED
DEPARTMENT OF HIGHWAYS
CONSTRUCTION PLAN FOR AGGREGATE BASE AND BITUMINOUS SURFACE
COUNTY STATE AID HIGHWAY NO. 4
BETWEEN CSAH 3 AND CR 151

FROM: 1621.6' North & 1470.1' West of S¼ Corner Sec. 13 T107N - R15W
TO: 1669.77' N.W. of S¼ Cor. Sec. 21 T107N R14W

C.S.A.H. PROJECT NO. 55-604-10

16895.86 FEET 3.200 MILES — GROSS LENGTH 2596.44 FEET 0.492 MILES
0 FEET 0 MILES — BRIDGES-LENGTH 0 FEET 0 MILES
0 FEET 0 MILES — EXCEPTIONS-LENGTH 0 FEET 0 MILES
16895.86 FEET 3.200 MILES — NET LENGTH 2596.44 FEET 0.492 MILES

SP 55-604-10 SAP 55-604-11



-SPECIFICATIONS-

M.H.D. "SPECIFICATIONS FOR HIGHWAY CONSTRUCTION" DATED Jan. 1, 1972 AS AMENDED BY SUPPLEMENTAL SPECIFICATIONS DATED April 1, 1976 SHALL GOVERN.

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.

COUNTY ENGINEER DATE March 30, 1976

OLMSTED COUNTY REG. NO. 8284

ALL APPLICABLE FEDERAL, STATE AND LOCAL LAWS WILL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

APPROVED ..... DISTRICT ENGINEER S/A 1976

APPROVED Delvert D. Oftedahl 8-11 1976

APPROVED ..... STATE AID ENGINEER 1976

STATE PROJECT 55-604-10 (C.S.A.H. 4)

OLMSTED COUNTY COUNTY STATE AID PROJECT 55-604-11

State Proj. No. 55-604-10 SAP 55-604-11 **Sheet No.** 2 of 10 **Sheets**

ESTIMATED QUANTITES						
SPECIFICATION NO.	ITEM	UNIT	S.P. 55-604-10	S.A.P. 55-604-11	TOTAL ESTIMATED QUANTITIES	
2021.501	Mobilization	Lump Sum	0.9	0.1	1	
2112.501	Subgrade Preparation	Road Station	25	5	30	
2211.501	Aggregate Base, Class 2	Ton	8870	1363	10233	
2221.501	Aggregate Shouldering, Class 3	Ton	11170	1500	12670	
2221.501	Aggregate Shouldering, Class 2	Ton	9179	1747	10926	
2301.501	Concrete Pavement	Square Yard	45056	6900	51956	(P)
2301.511	Structural Concrete	Cubic Yard	8134	1246	9380	(P)
2331.504	Bituminous Material for Mixture	Ton	47	19	66	
2331.516	Shouldering Mixture	Ton	777	310	1087	
2535.501	Bituminous Curb	Linear Foot	560	675	1235	

(P) Plan Quantity

CONSTRUCTION NOTES

GRADES:

THE CENTERLINE GRADE FOR PAVING WILL BE ESTABLISHED BY THE OLMSTED COUNTY HIGHWAY DEPARTMENT.

JOINTS:

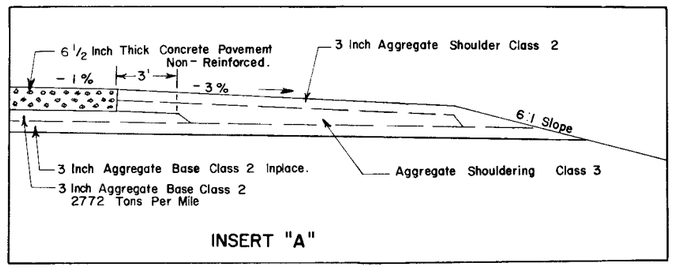
ALL CONTRACTION JOINTS, ALL LONGITUDINAL JOINTS, AND PERMANENT HEADER JOINTS AT BEGINNING AND END OF PROJECT WILL BE INCIDENTAL TO ITEM NO. 2301.501 CONCRETE PAVEMENT AND NO DIRECT COMPENSATION WILL BE MADE THEREFOR THE CENTERLINE JOINT (LONGITUDINAL) SHALL BE SAWED.

REINFORCED PANEL OVER CENTERLINE CULVERTS:

REINFORCED CONRETE PANELS OF THE LENGTH INDICATED AT LOCATIONS LISTED BELOW SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARD DETAIL PLATE NOTED IN THE PLANS, MODIFIED TO THE EXTENT THAT A DOWELED TRANSVERSE JOINT WILL NOT BE REQUIRED. REINFORCED PANELS WILL BE INCIDENTAL TO ITEM NO. 2301.501 CONCRETE PAVEMENT AND NO DIRECT COMPENSATION WILL BE MADE THEREFOR

STATION		
215+90	20' PANEL	
219+00	20' PANEL	
226+33	20' PANEL	
244+72	60' PANEL	
267+29	20' PANEL	
273+43	20' PANEL	
292+31	40' PANEL	
299+93	20' PANEL	

STATION	
323+64	40' PANEL
326+50	40' PANEL
330+88	40' PANEL
340+28	20' PANEL
342+00	20' PANEL
353+24	20' PANEL
371+50	20' PANEL
378+08	20' PANEL
397+65	20' PANEL

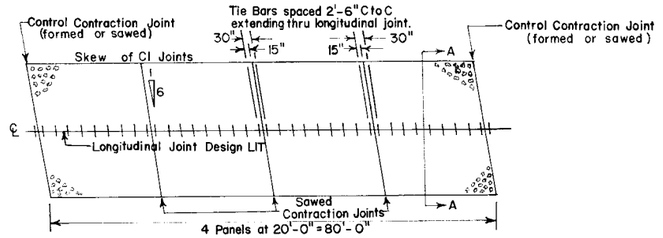


INSERT "A"

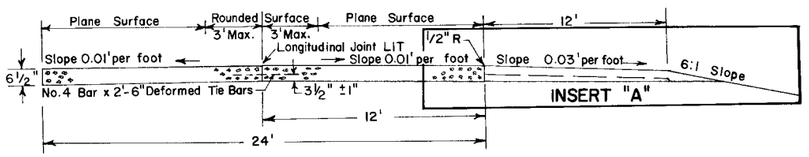
STANDARD PLATES

THE FOLLOWING STANDARD PLATES APPROVED BY THE DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINSTRATION, SHALL APPLY ON THIS PROJECT.

PLATE NO.	DESCRIPTION
0002 A	SPECIFICATION REFERENCE TO STANDARD PLATES
1016 E	CONCRETE PAVEMENTS NON-REINFORCED
1070 G	REINFORCED PANEL OVER CULVERTS
1100 J	EXPANSION JOINT
1120 N	CONTRACTION JOINT
1140 N	LONGITUDINAL JOINTS
1141 B	PAVEMENT KEYWAY FOR KEYED JOINT CONSTRUCTION
1150 M	CONSTRUCTION OF HEADER JOINTS
1210 E	CONCRETE PAVEMENT ADJACENT TO RAILWAY CROSSING
7065 C	BITUMINOUS CURB
8000 F	STANDARD BARRICADES
9000 B	APPROACHES AND ENTRANCES

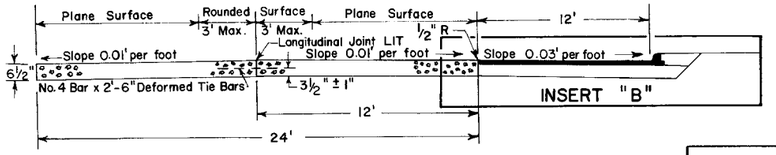


PLAN



SECTION A-A

Sta. 203+00 to Sta. 219+50 Sta. 283+80 to Sta. 386+00
Sta. 223+16 to Sta. 280+50 Sta. 393+00 to Sta. 398+96.22



SECTION A-A

Sta. 219+50 to Sta. 223+16
Sta. 280+50 to Sta. 283+80
Sta. 386+00 to Sta. 393+00

CONCRETE PAVING ALTERNATE

BASIS FOR PLANNED QUANTITIES

AGGREGATE BASE

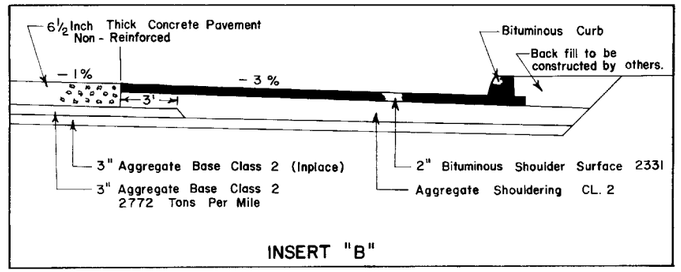
AGGREGATE FOR BASE _____ 140 lbs. per Cu. Ft. compacted.

PLANT MIXED BITUMINOUS SHOULDER

BITUMINOUS MATERIAL FOR MIXTURE _____ 6.0% of weight of mixture.
BITUMINOUS MATERIAL COMPUTED FOR 9795 SQ. YDS. INCLUDES ____ 8359 SQ. YDS. FOR ENT. AND APPS.
SHOULDER MIXTURE _____ 110 lbs. per SQ. YD. per 1 inch depth.

AGGREGATE SHOULDER

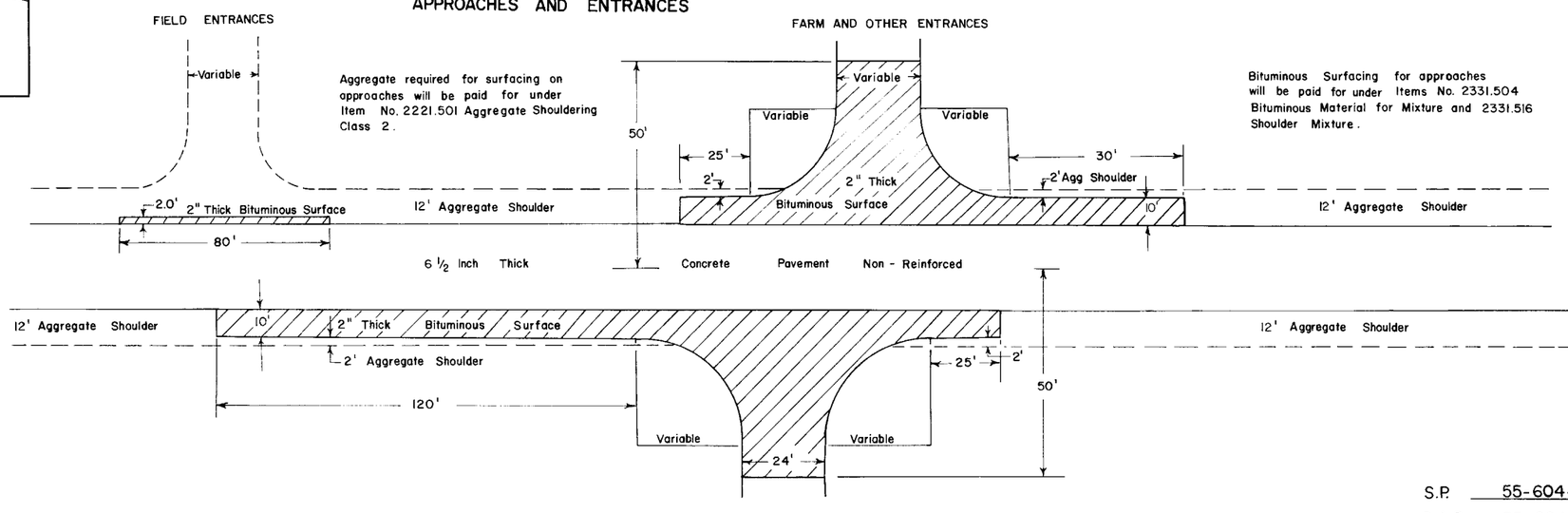
AGGREGATE SHOULDERING CLASS 3 _____ 135 lbs. per Cu. Ft. compacted.
AGGREGATE SHOULDERING CLASS 2 _____ 140 lbs. per Cu. Ft. compacted.
AGGREGATE SHOULDERING CLASS 2 ___ Includes 1476 Tons For Approaches and Entrances.



INSERT "B"

Note: All dimensions and slopes shown on typical sections are approximate.

APPROACHES AND ENTRANCES



Bituminous Surfacing for approaches will be paid for under Items No. 2331.504 Bituminous Material for Mixture and 2331.516 Shoulder Mixture.

ROAD APPROACHES

S.P. 55-604-10
S.A.P. 55-604-11

OLMSTED County, Minnesota CSAH 4 Sheet 3 of 10 Sheets

CSAH 3 Lt. Sta. 204+00
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

F. Ent. Lt. Sta. 211+92
2" Bituminous Approach
See Detail Sheet No. 2

℄ Culv. Sta. 215+90
Place 20' Reinforced
Panel over Culvert

F. Ent. Lt. Sta. 216+10
2" Bituminous Approach
See Detail Sheet No. 2

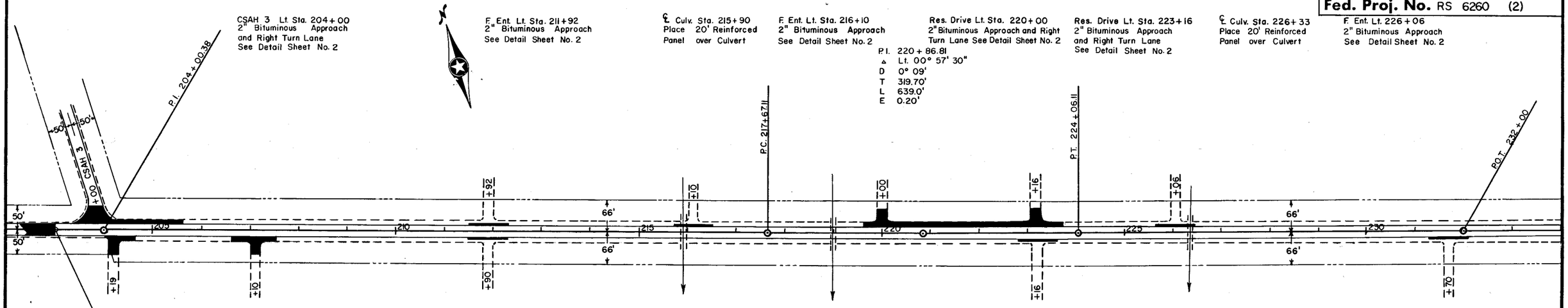
Res. Drive Lt. Sta. 220+00
2" Bituminous Approach and Right
Turn Lane See Detail Sheet No. 2

P.I. 220+86.81
△ Lt. 00° 57' 30"
D 0° 09'
T 319.70'
L 639.0'
E 0.20'

Res. Drive Lt. Sta. 223+16
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

℄ Culv. Sta. 226+33
Place 20' Reinforced
Panel over Culvert

F. Ent. Lt. 226+06
2" Bituminous Approach
See Detail Sheet No. 2



BEGIN S.P. 55-604-10
Sta. 203+00

Res. Drive Rt. Sta. 204+19
2" Bituminous Approach
See Detail Sheet No. 2

Res. Drive Rt. Sta. 207+10
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

F. Ent. Rt. Sta. 211+90
2" Bituminous Approach
See Detail Sheet No. 2

℄ Culv. Sta. 219+00
Place 20' Reinforced
Panel over Culvert

F. Ent. Rt. Sta. 223+16
2" Bituminous Approach
See Detail Sheet No. 2

F. Ent. Rt. Sta. 231+70
2" Bituminous Approach
See Detail Sheet No. 2

Fed. Proj. No. RS 6260 (2)

Twp Rd Lt. Sta. 244 + 26
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

℄ Culv. Sta. 244 + 72
Place 60' Reinforced
Panel over Culvert

Res. Drive Lt. Sta. 252 + 81
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Lt. Sta. 261 + 62
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Lt. Sta. 266 + 00
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

P.I. 273 + 15.25
Δ Lt. 89° 00'
D 5° 00'
T 1126.09'
L 1780.00'
E 460.69'

P.I. 245 + 00.99
Δ Rt. 71° 56'
D 5° 00'
T 831.54'
L 1438.67'
E 269.92'

P.T. 251 + 08.12*
P.O.T. 251 + 68.89

EQUATION

24' Concrete Pavement
Non - Reinforced

12' Aggregate Shoulder

12' Aggregate Shoulder

Reinf. Road

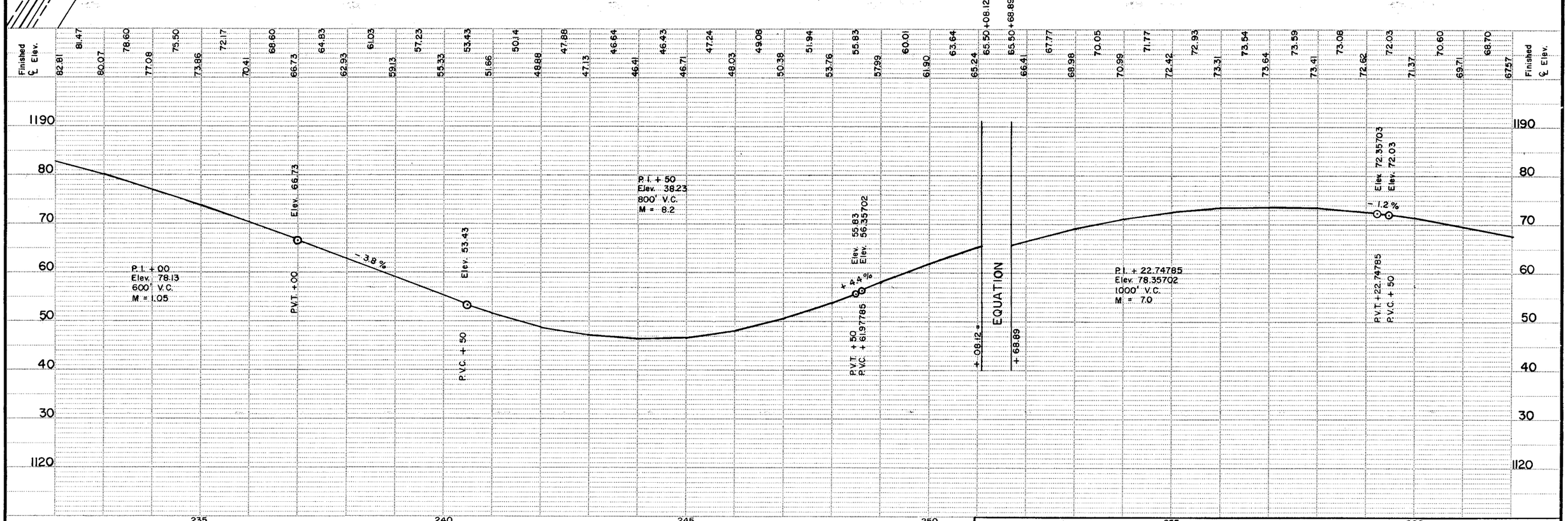
P.C. 261 + 88.58

P.C. 236 + 69.45

F. Ent. Rt. Sta. 252 + 33
2" Bituminous Approach
See Detail Sheet No. 2

F. Ent. Rt. Sta. 265 + 22
2" Bituminous Approach
See Detail Sheet No. 2

℄ Culv. Sta. 267 + 29
Place 20' Panel
over Culvert



State Proj. No. 55-604-10 SAP 55-604-11 OLMSTED COUNTY, MINN. **Sheet No.** 5 **of** 10 **Sheets**

Res. Drive Lt. Sta. 261+62
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Lt. Sta. 266+00
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

℄ Culv. Sta. 273+43
Place 20' Reinforced
Panel over Culvert

F. Ent. Lt. Sta. 280+80
2" Bituminous Approach
See Detail Sheet No. 2

Res. Drive Lt. Sta. 283+24
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Lt. Sta. 285+67
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

F. Ent. Lt. Sta. 290+00
2" Bituminous Approach
See Detail Sheet No. 2

P.C. 261 + 88.58

P.I. 273 + 15.25
△ Lt. 89° 00'
D 5° 00'
T 1126.09'
L 1780.00'
E 460.69'

EQUATION — P.O.T. 280+13.99 = P.T. 279+68.58

MATCH LINE

24' Concrete Pavement Non-Reinforced

12' Aggregate Shoulder

66'

33'

F. Ent. Rt. Sta. 265+22
2" Bituminous Approach
See Detail Sheet No. 2

℄ Culv. Sta. 267+29
Place 20' Reinforced
Panel over Culvert

24K19 Cast Iron Monument

C.R. 104 +00

+50'

C.R. 104 Rt. Sta. 273+00
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Rt. Sta. 280+81
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

P.I. 286+50.0
△ Lt. 1° 53.41379'
D 0° 17'
T 333.60'
L 667.15'
E 0.79'

P.T. 279+68.58 = EQUATION P.O.T. 280+13.99

P.C. 283 + 16.40

P.T. 289 + 83.55

Bituminous Curb

Res. Drive Rt. Sta. 283+30
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Rt. Sta. 286+12
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Finished ℄ Elev.

Elev. 56.43

Elev. 50.60778

Elev. 41.85777

Elev. 43.66965

Elev. 22.16966

Elev. 18.7424

−4.0%

+0.5%

−4.8%

P.I. + 50
Elev. 68.43
600' V.C.
M = 2.1

P.V.T. + 50

P.V.C. + 95.55555

P.I. + 45.55555
Elev. 40.60778
500' V.C.
M = 2.8125

P.V.T. + 95.55555

P.V.C. + 57.93056

EQUATION + 68.58 = + 13.99

P.I. + 03.34056
Elev. 46.16965
1000' V.C.
M = 6.625

P.V.T. + 03.34056

P.V.C. + 74.7422

265 270 275 280 285 290

1170 60 50 40 30 20 10 1100

Fed. Proj. No. RS 6260 (2)

F. Ent. Lt. Sta. 290+00
2" Bituminous Approach
See Detail Sheet No. 2

℄ Culv. Sta. 292+31
Place 40' Reinforced
Place over Culvert

F. Ent. Lt. Sta. 294+34
2" Bituminous Approach
See Detail Sheet No. 2

F. Ent. Lt. Sta. 299+75
2" Bituminous Approach
See Detail Sheet No. 2

℄ Culv. Sta. 299+93
Place 20' Reinforced
Panel over Culvert

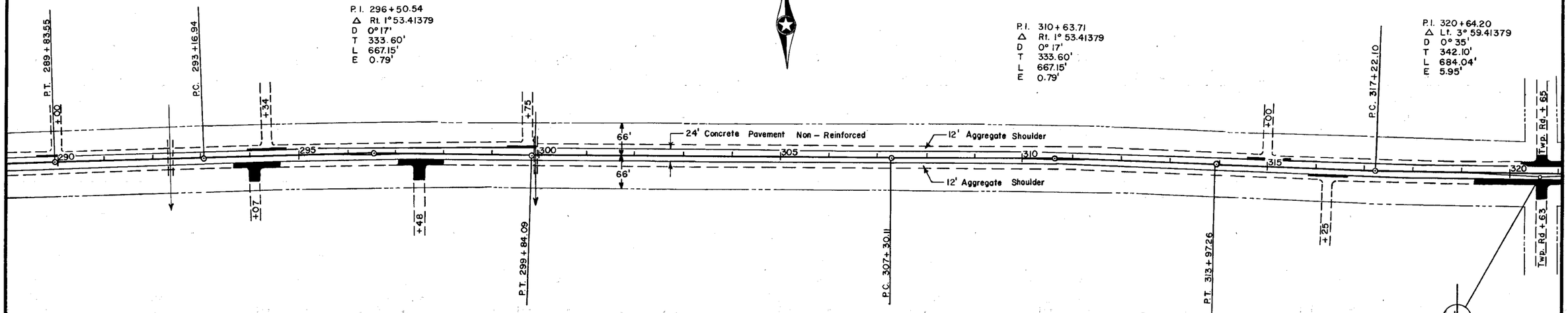
F. Ent. Lt. Sta. 315+00
2" Bituminous Approach
See Detail Sheet No. 2

Twp. Rd. Lt. Sta. 320+65
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

P.I. 296+50.54
△ Rt. 1°53.41379
D 0°17'
T 333.60'
L 667.15'
E 0.79'

P.I. 310+63.71
△ Rt. 1°53.41379
D 0°17'
T 333.60'
L 667.15'
E 0.79'

P.I. 320+64.20
△ Lt. 3°59.41379
D 0°35'
T 342.10'
L 684.04'
E 5.95'

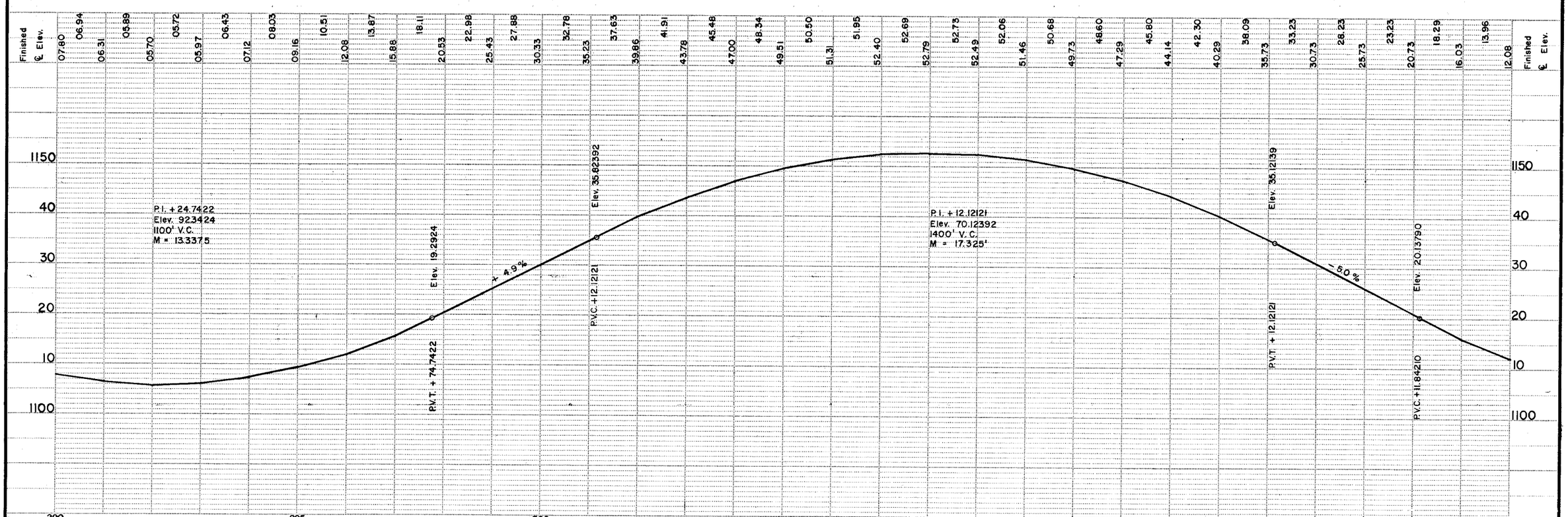


Res. Drive Rt. Sta. 294+07
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

Res. Drive Rt. Sta. 297+48
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

F. Ent. Rt. Sta. 316+25
2" Bituminous Approach
See Detail Sheet No. 2

Twp. Rd. Rt. Sta. 320+63
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2



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Sheet No. 7 **of** 10 **Sheets**

P. I. 320 + 64.20
△ Lt. 3° 59.41379'
D 0° 35'
T 342.10'
L 684.04'
E 5.95'

Twp. Rd. Lt. Sta. 320 + 65
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

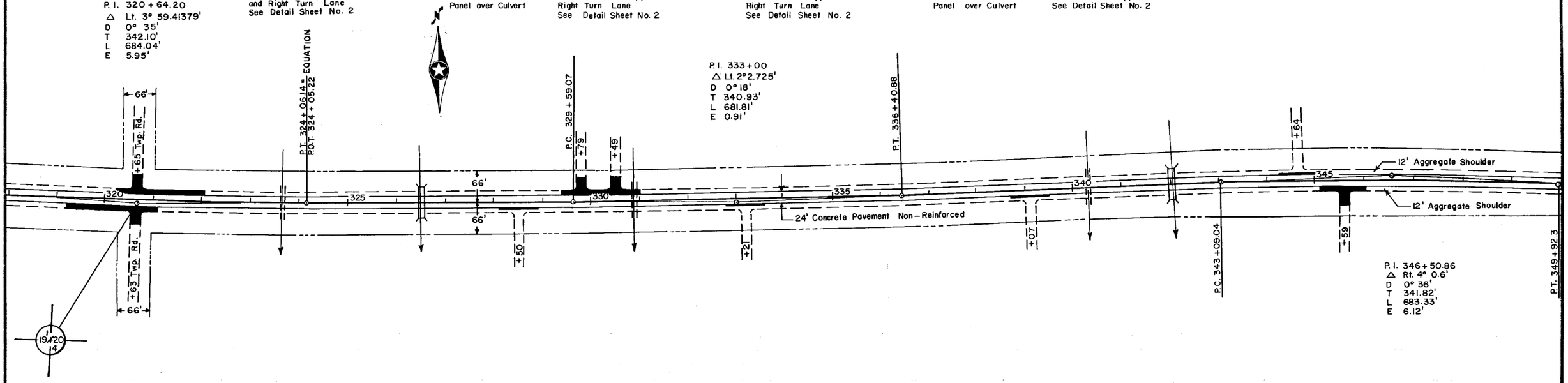
℄ Culv. 323 + 64
Place 40' Reinforced
Panel over Culvert

Res. Drive Lt. Sta. 329 + 79
2" Bituminous Approach and
Right Turn Lane
See Detail Sheet No. 2

Res. Drive Lt. Sta. 330 + 49
2" Bituminous Approach and
Right Turn Lane
See Detail Sheet No. 2

℄ Culv. 340 + 28
Place 20' Reinforced
Panel over Culvert

F. Ent. Lt. Sta. 344 + 64
2" Bituminous Approach
See Detail Sheet No. 2



Twp. Rd. Rt. Sta. 320 + 63
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2

℄ Culv. 326 + 50
Place 40' Reinforced
Panel over Culvert

F. Ent. Rt. Sta. 328 + 50
2" Bituminous Approach
See Detail Sheet No. 2

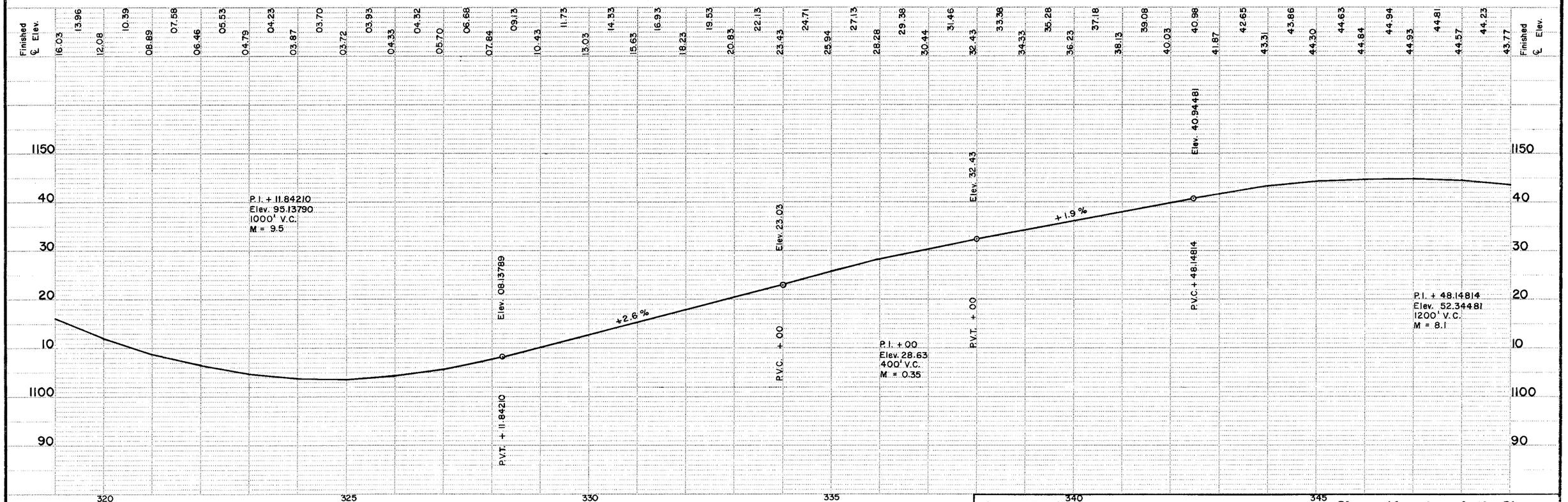
℄ Culv. 330 + 88
Place 40' Reinforced
Panel over Culvert

F. Ent. Rt. Sta. 333 + 21
2" Bituminous Approach
See Detail Sheet No. 2

F. Ent. Rt. Sta. 339 + 07
2" Bituminous Approach
See Detail Sheet No. 2

℄ Culv. 342 + 00
Place 20' Reinforced
Panel over Culvert

Res. Drive Rt. Sta. 345 + 59
2" Bituminous Approach
and Right Turn Lane
See Detail Sheet No. 2



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F. Ent. Lt. Sta. 350+25
2" Bituminous Approach
See Detail Sheet No. 2

℄ Culv. Sta. 353 + 24
Place 20' Reinforced
Panel over Culvert

Twp. Rd. Lt. Sta. 360 + 05
2" Bituminous Approach and
Right Turn Lane
See Detail Sheet No. 2

P.I. 360 + 01.41
△ Lt. 2° 03'
D 0° 18'
T 341.70'
L 683.33'
E 3.07'

F. Ent. Lt. Sta. 368 + 00
2" Bituminous Approach and
Right Turn Lane
See Detail Sheet No. 2

℄ Culv. Sta. 378 + 08
Place 20' Reinforced Panel
over Culvert

END SP 55-604-10
Sta. 372+99.78

BEGIN SAP 55-604-11
Sta. 372+99.78

P.T. 349+92.3
P.C. 356 + 59.71
P.T. 363+43.04= EQUATION
P.O.T. 363 + 41.70
P.C. 373+ 76.31

66' Twp. Rd.
66'
66'
100'
12' Aggregate Shoulder
12' Aggregate Shoulder
24' Concrete Pavement Non-Reinforced

+25 +27 +75 +11 +00 +00 +10

350 355 360 365 370 375

CHICAGO AND GREAT WESTERN RAILROAD

P.I. 380 + 78.74
△ Rt. 72° 40' 30"
D 6° 00'
T 702.43'
L 1211.25'
E 230.52'

Res. Drive Rt. Sta. 351 + 27
2" Bituminous Approach and
Right Turn Lane
See Detail Sheet No. 2

Res. Drive Rt. Sta. 353 + 75
2" Bituminous Approach and
Right Turn Lane
See Detail Sheet No. 2

F. Ent. Rt. Sta. 360 + 11
2" Bituminous Approach
See Detail Sheet No. 2

F. Ent. Rt. Sta. 367 + 00
2" Bituminous Approach
See Detail Sheet No. 2

℄ Culv. Sta. 371 + 50
Place 20' Reinforced
Panel over Culvert

Res. Drive Rt. Sta. 373+10
2" Bituminous Approach and
Right Turn Lane
See Detail Sheet No. 2

Finished ℄ Elev.

P.I. + 48.14814
Elev. 52.34481
1200' V.C.
M = 8.1

Elev. 31.34484
P.V.T. + 48.14814

-3.5%

Elev. 88.18625
P.V.C. + 81.25

P.I. + 31.25
Elev. 79.43625
500' V.C.
M = 2.0

Elev. 78.68625
P.V.T. + 81.25

-0.3%

Elev. 77.28385
P.V.C. + 48.71794

1140 30 20 10 1100 90 80 70

350 355 360 365 370 375

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