

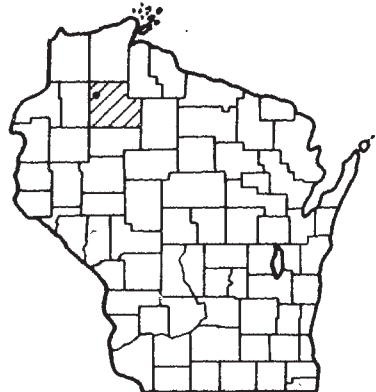
32

As Built

Index of Sheets

Sheet No.	1	Title
Sheet No.	2	Typical Sections and Details
Sheet No.	3	Estimate of Quantities
Sheet No.	3A	Miscellaneous Quantities
Sheet No.	-	Right of Way Plat
Sheet No.	5-5.4	Plan and Profile
Sheet No.	6-6.1	Standard Detail Drawings
Sheet No.	-	Standard Sign Plates
Sheet No.	-	Structure Plans
Sheet No.	-	Computer Earthwork Data
Sheet No.	-	Cross Sections

TOTAL SHEETS = 11



STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

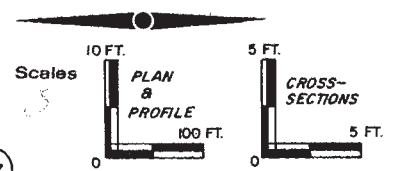
PLAN OF PROPOSED IMPROVEMENT

SMITH LAKE — NAMEKAGON RIVER ROAD

S.T.H. 27 & S.T.H. 77

SAWYER COUNTY

STATE PROJECT NUMBER
8520-1-72



Design Designation

A.D.T. (1980)	= 1500
A.D.T. (1998)	= 2400
D.H.V.	= 360
D.	= 50%
T.	= 7%

Conventional Signs

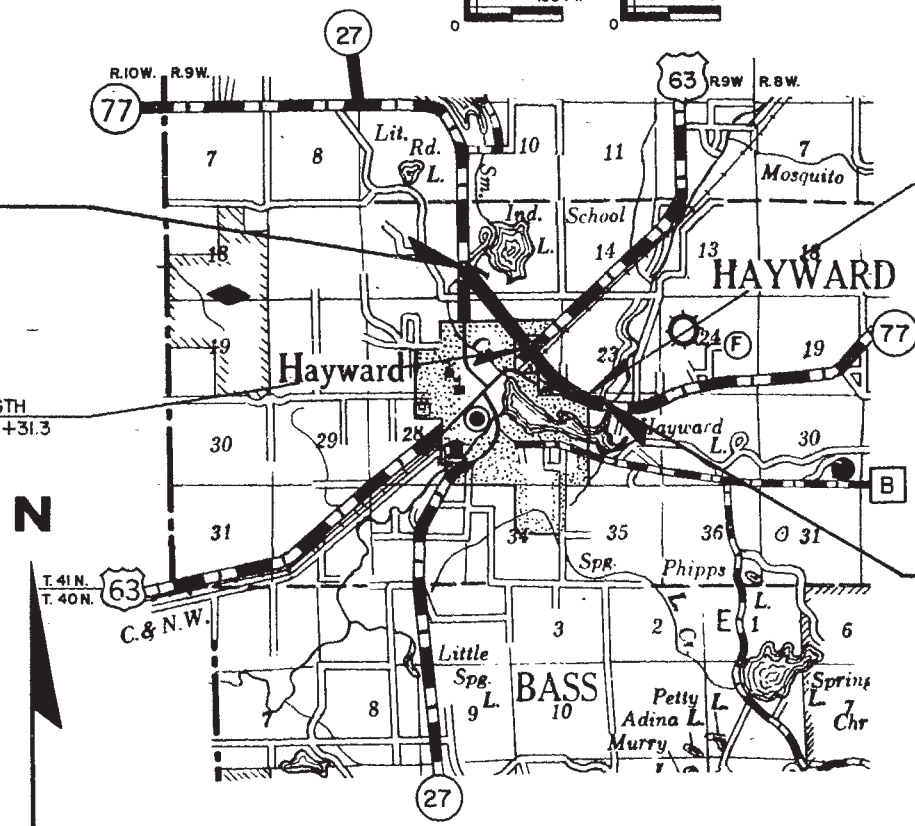
County Line	-----	Caution Symbol (Combustible fluids under pressure)	
Township or Range Line	-----	Railroads	-----
Section Line	-----	Fence	-----
Corporate or City Limits	-----	Culverts in Place	-----
Property line	-----	Culverts Required	-----
Lot Line	-----	Power Pole	-----
Existing Right of Way Line	-----	Telephone or Telegraph Pole	-----
New Right of Way Line	-----	Right of Way Markers	-----
Base or Survey Line	-----	Marsh	-----
Slope Intercept	-----	Wooded Area	-----
Existing Roadway or Private Entrance	-----	Grade Elevation	-----

BEGIN PROJECT
STA. 151+00
N. 319260.502
E. 1623208.369

EXCEPTION TO NET C LENGTH
STA. 209+48.2 TO STA. 210+31.3

EQUATION STA. 253+09.75 BK.
STA. 53+09.75 AHD.

END PROJECT
STA. 66+45.2



Layout
Scale 0 1/2 1 MI.

Total Net Length of Centerline = 2.171 Mi. RURAL

ALL COORDINATES SHOWN ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COORDINATE SYSTEM NORTH ZONE.

STATE PROJECT	FEDERAL PROJECT	
	PROJECT	CONTRACT
8520-1-72	---	---

PLANS AND GRADES WITHIN THE CITY OF HAYWARD

APPROVED:
1/10/80 *Donald Poppe*
DATE MAYOR

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Supervisor *M.G.W.* District Engineer *J.L.*
Designer *J.L.* C.D. Engineer *J.L.*
District Supervisor *G.L.M.* C.D. Coordinator *J.W.*

Approved
Date *1/24/80* *E.H. Rutledge*
District Engineer (ACTING)

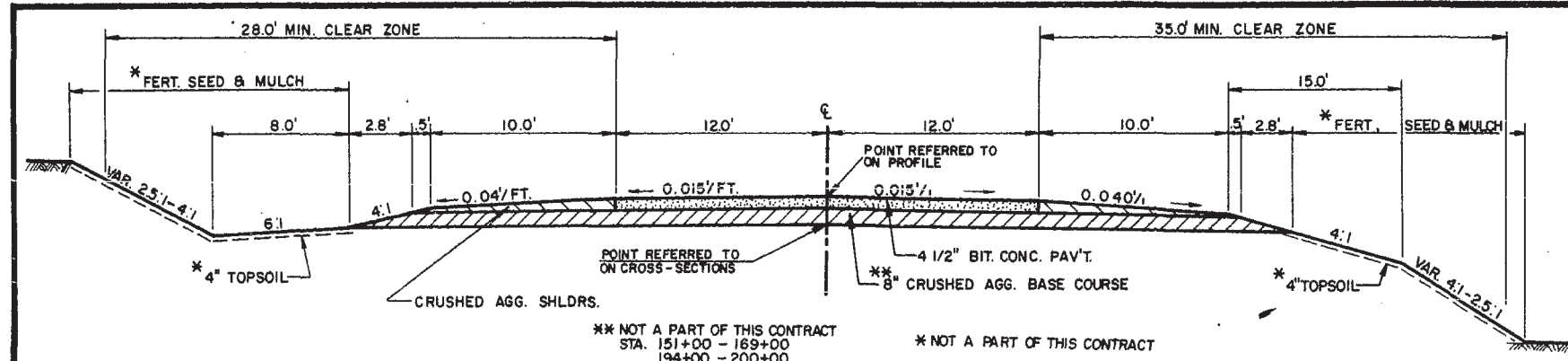
Approved
Date *3/31/80* *D.D. Starn*
Chief Design Engineer

Approved
Date *4/1/80* *E.J. Byrkit*
District Engineer

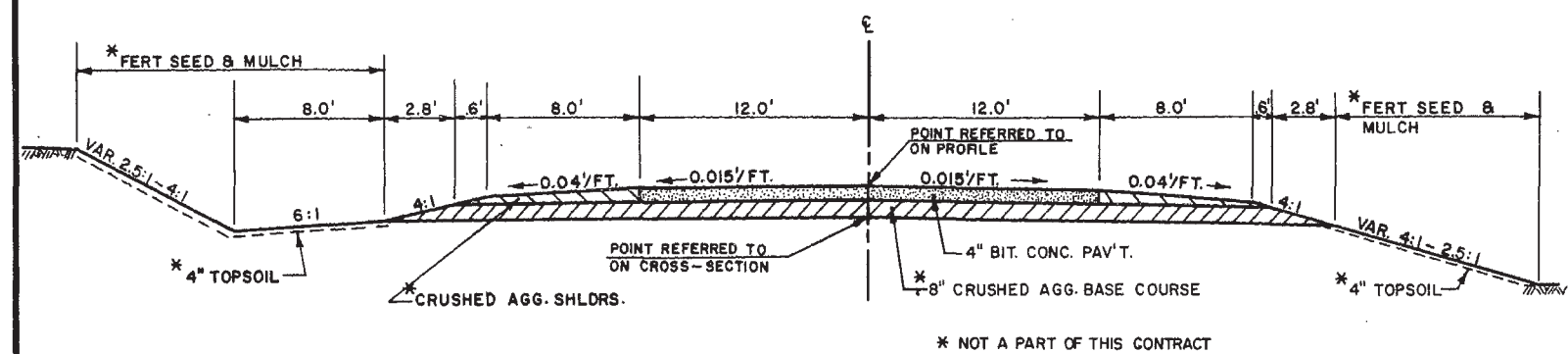
DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Approved
Date

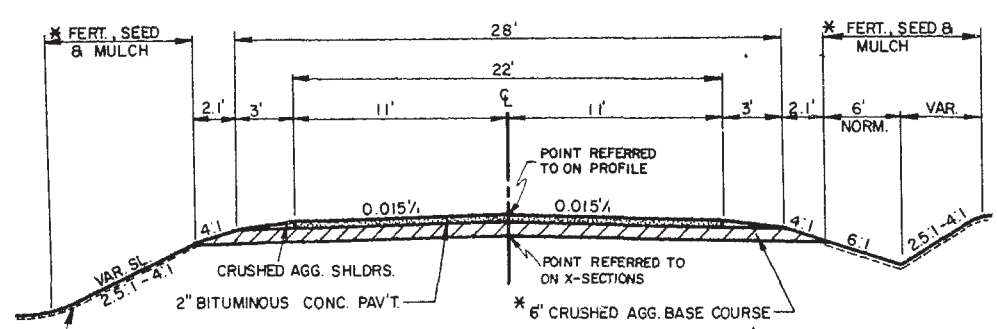
STATE PROJECT NUMBER	SHEET NO.
8520-1-72	2
TYPICAL SECTIONS & DETAILS	



TYPICAL FINISHED SECTION
STA. 149+50 - 209+48.2
210+31.3 - 66+45.2



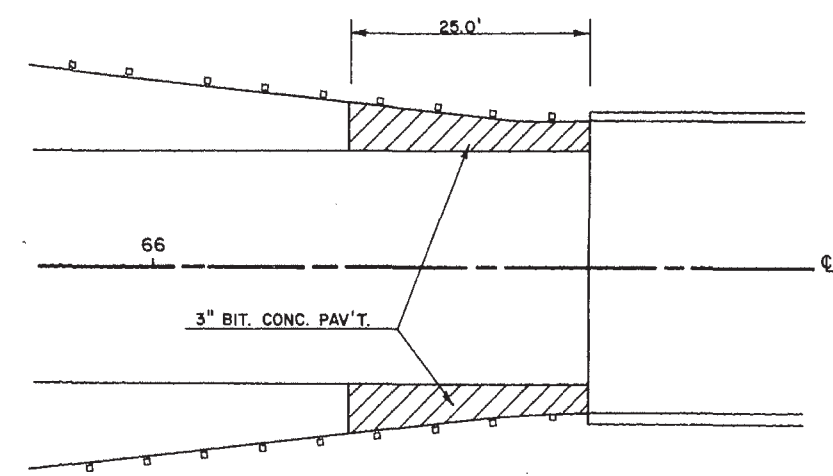
TYPICAL FINISHED SECTION FOR SIDE ROADS
STA. 168+00 RT.
STA. 244+75 RT.



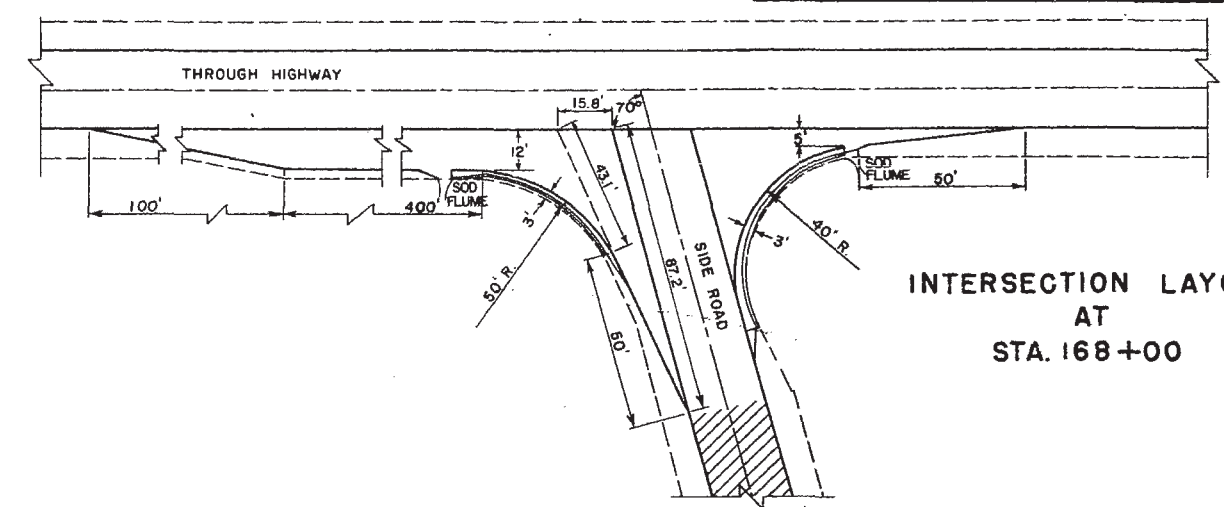
TYPICAL SECTION FOR SIDE ROADS

* NOT A PART OF THIS CONTRACT

STA. 186+00 RT.
186+05 97' RT.
194+50 RT.
197+75 LT.
199+75 RT.
238+60 LT.
63+85 LT.



DETAIL FOR BIT. APRON AT STRUCTURE



INTERSECTION LAYOUT AT STA. 168+00

GENERAL NOTES

SHEETS 5-5.4 ARE INCLUDED FOR PROFILE & ALIGNMENT ONLY. OTHER INFORMATION IS NOT PERTINENT TO THIS CONTRACT.

SOD FLUMES AT INTERSECTION CURB AND GUTTER SHALL BE AS DIRECTED BY THE ENGINEER.

WHEN THE QUANTITY OF THE ITEM OF BASE COURSE IS MEASURED BY THE TON, THE DEPTH OR THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

TOPSOIL SHALL BE PLACED ON SLOPES AT LOCATIONS SHOWN ON THE PLAN OR DESIGNATED BY THE ENGINEER TO AN APPROXIMATE THICKNESS OF 4" AT THE TIME OF PLACEMENT. TOPSOIL AND MULCH ALL SLOPES FROM SUBGRADE SHOULDER TO SLOPE INTERCEPT. SEED AND FERTILIZE ALL DISTURBED AREAS OTHER THAN THE ROADBED.

PLAN AND PROFILE SHEETS ARE INCLUDED FOR PROFILE AND ALIGNMENT ONLY. OTHER INFORMATION IS NOT PERTINENT TO THIS CONTRACT.

ALL GRASS AREAS USED FOR PAVING CONVENIENCE WHICH IN THE OPINION OF THE ENGINEER HAVE BEEN SUFFICIENTLY DISTURBED ARE TO BE RE-TOPSOILED, SMOOTHED, FERTILIZED AND SEED AT THE CONTRACTORS EXPENSE.

BEARINGS SHOWN ON THE PLANS ARE GRID BEARINGS TO THE NEAREST SECOND.

ALL UTILITIES WILL BE MOVED BY THEIR OWNERS WHERE REQUIRED. UTILITY OWNERS ARE:

LAKE SUPERIOR DISTRICT POWER CO.
MICHAEL B. POPKO SUPV. CIVIL ENGINEERING 715-682-4511
131 W. 2ND ST.
ASHLAND, WISC. 54806

GENERAL TELEPHONE CO.
ROBERT A. MATMILLER FIELD ENGINEER 715-234-5525
P.O. BOX 450
20 SOUTH WILSON
RICE LAKE, WISC. 54868

CITY OF HAYWARD
MILO E. KADLEC CITY ENGINEER. 715-634-4612
204 W. 3RD ST
HAYWARD, WISC. 54843

STANDARD DETAIL DRAWINGS

LAYOUT DETAILS FOR AT-GRADE SIDE ROAD INTERSECTIONS.....9A1-3
CONSTRUCTION BARRICADES AND STANDARD SIGNS.....15C1-5

E S T I M A T E O F Q U A N T I T I E S

PROJECT ID: 8520- 1-72
 SAWYER COUNTY
 SMITH LAKE - NAMEKAGON RIVER ROAD
 S.T.H. 27 & S.T.H. 77

8520-01-72
 QUANTITY

ITEM	ITEM DESCRIPTION	UNIT	TOTAL	8520-01-72 QUANTITY
21101	PREPARATION OF FOUNDATION FOR BITUMINOUS PAVING	L.S.	1.00	1.00
21301	FINISHING ROADWAY	L.S.	1.00	1.00
30404	CRUSHED AGGREGATE BASE COURSE	TON	19,560.00	19,560.00
40701	BITUMINOUS CONCRETE PAVEMENT	TON	10,545.00	10,545.00
40702	BITUMINOUS MATERIAL FOR SURFACE COURSE	TON	633.00	633.00

60104	CONCRETE CURB, TYPE J	L.F.	168.00	168.00
60170	CONCRETE CURB AND GUTTER, 36-INCH, TYPE D	L.F.	702.00	702.00
61801	MAINTENANCE AND REPAIR OF HAUL ROADS	L.S.	1.00	1.00
61910	MOBILIZATION	L.S.	1.00	1.00
62301	CALCIUM CHLORIDE SURFACE TREATMENT	TON	11.00	11.00

62501	TOPSOIL	S.Y.	400.00	400.00
62702	MULCHING	S.Y.	400.00	400.00
62901	FERTILIZER	CWT.	1.00	1.00
63002	SEEDING	LB.	15.00	15.00
63101	SODDING	S.Y.	100.00	100.00

64201	FIELD OFFICE, TYPE A	L.S.	1.00	1.00
64210	FIELD LABORATORY	L.S.	1.00	1.00
64301	TRAFFIC CONTROL	L.S.	1.00	1.00
90001	REMOVING SILT FENCE	L.F.	380.00	380.00
90002	TEMPORARY PAVEMENT MARKING	L.F.	350.00	350.00

DETAILED SUMMARY OF MISCELLANEOUS QUANTITIES

STATE PROJECT NUMBER
8520-1-72

SHEET NO.
3A

CRUSHED AGGREGATE BASE COURSE			
SEC.	STATION TO STATION	LOCATION	TON
1	151+00 - 185+05	SHOULDERS	2074
1	169+00 - 185+00	CL	3708
1	P.E.'S UNDISTRIBUTED		38
2	185+05 - 185+85	CL	185
2	186+15 - 194+00	CL	1819
2	200+00 - 203+32.53	CL	771
2	185+05 - 203+32.53	SHOULDERS	785
3	203+32.53 - 209+48.2	CL	1423
3	203+32.53 - 209+48.2	SHOULDERS	272
3	209+48.2	INTERSECTION	127
3	210+31.3 - 219+55	CL	2135
3	210+31.3	INTERSECTION	115
3	220+55 - 237+50	CL	3918
3	210+31.3 - 247+39.29	SHOULDERS	1182
3	P.E.'S UNDISTRIBUTED		48
4	247+39.29 - 53+97.2	SHOULDERS	410
5	53+97.2 - 66+45.2	SHOULDERS	550
PLAN TOTAL			19,560

BITUMINOUS CONCRETE PAVEMENT			
SEC.	STATION TO STATION	LOCATION	TON
1	151+00 - 185+05	CL	2250
1	168+00	S.R. RT.	510
2	185+05 - 203+30.1	CL	1220
2	186+00	S.R. RT.	72
2	186+05	S.R. 97' RT.	62
2	194+50	S.R. RT.	72
2	197+75	S.R. LT.	72
2	199+75	S.R. LT.	62
3	203+30.1 - 209+48.2	CL	410
3	209+48.2	INTERSECTION	750
3	210+31.3 - 247+39.29	CL	2450
3	210+31.3	INTERSECTION	750
3	238+60	S.R. LT.	270
3	240+75 - 247+39.29	PASSING LANE LT.	159
3	244+75	S.R. RT.	90
4	247+39.29 - 53+97.2	CL	440
4	247+39.29 - 248+25	PASSING LANE LT.	6
5	53+97.2 - 66+45.2	CL	830
5	63+85	S.R. LT.	70
PLAN TOTAL			10,545

REMOVING SILT FENCE		
SEC.	STATION TO STATION	L.F.
3	216+85 - 216+75 LT.	30
4	247+90 - 248+20 LT.	30
5	56+40 - 58+00 LT.	160
5	65+75 - 66+23 LT.	70
5	65+45 - 66+23 RT.	90
PLAN TOTAL		380

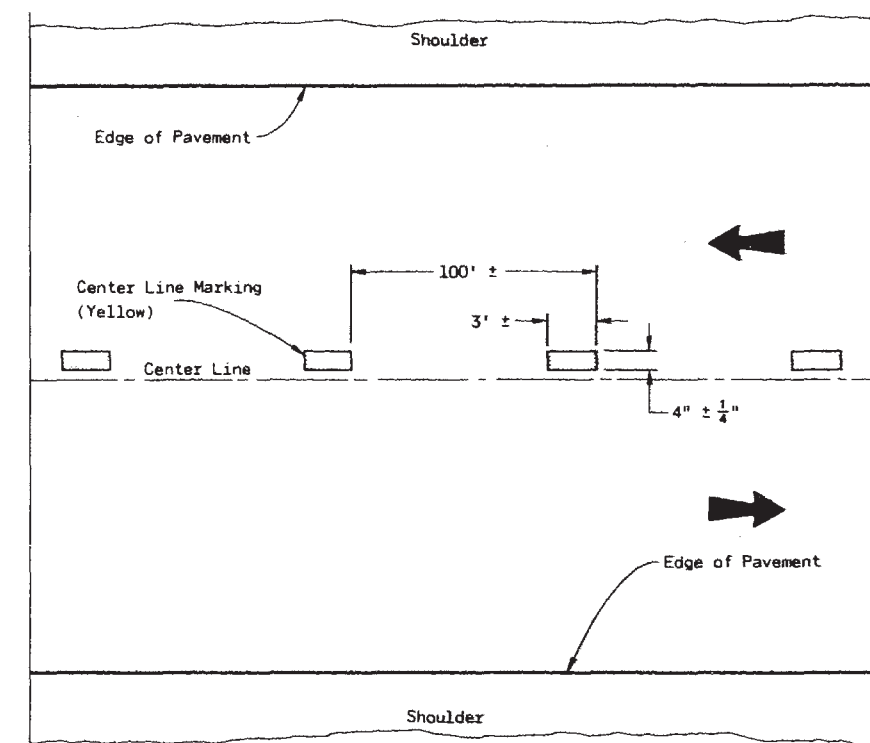
CONCRETE C. & G. 36" TYPE "D"			
SEC.	STATION TO STATION	LOCATION	L.F.
1	167+45 - 167+97	RT.	60
1	167+47 - 167+88	LT.	68
1	168+11 - 168+67	LT.	84
1	168+34 - 168+70	RT.	78
3	208+99 - 209+31	LT.	61
3	209+02 - 209+42	RT.	57
3	210+37 - 210+76	LT.	57
3	210+50 - 210+94	RT.	61
3	243+60 - 244+14	RT.	103
3	244+54 - 245+12	RT.	73
PLAN TOTAL			702

CONCRETE CURB TYPE "J"			
SEC.	STATION	LOCATION	L.F.
3	209+20	ISLAND RT.	84
3	210+60	ISLAND LT.	84
PLAN TOTAL			168

CALCIUM CHLORIDE SURFACE TREATMENT		
SEC.	LOCATION	TON
1	169+00 - 185+50	2.9
2	186+50 - 194+00	1.4
2	200+00 - 203+32.53	0.6
3	203+32.53 - 209+48.2	1.1
3	210+31.3 - 238+00	5.0
PLAN TOTAL		11.0

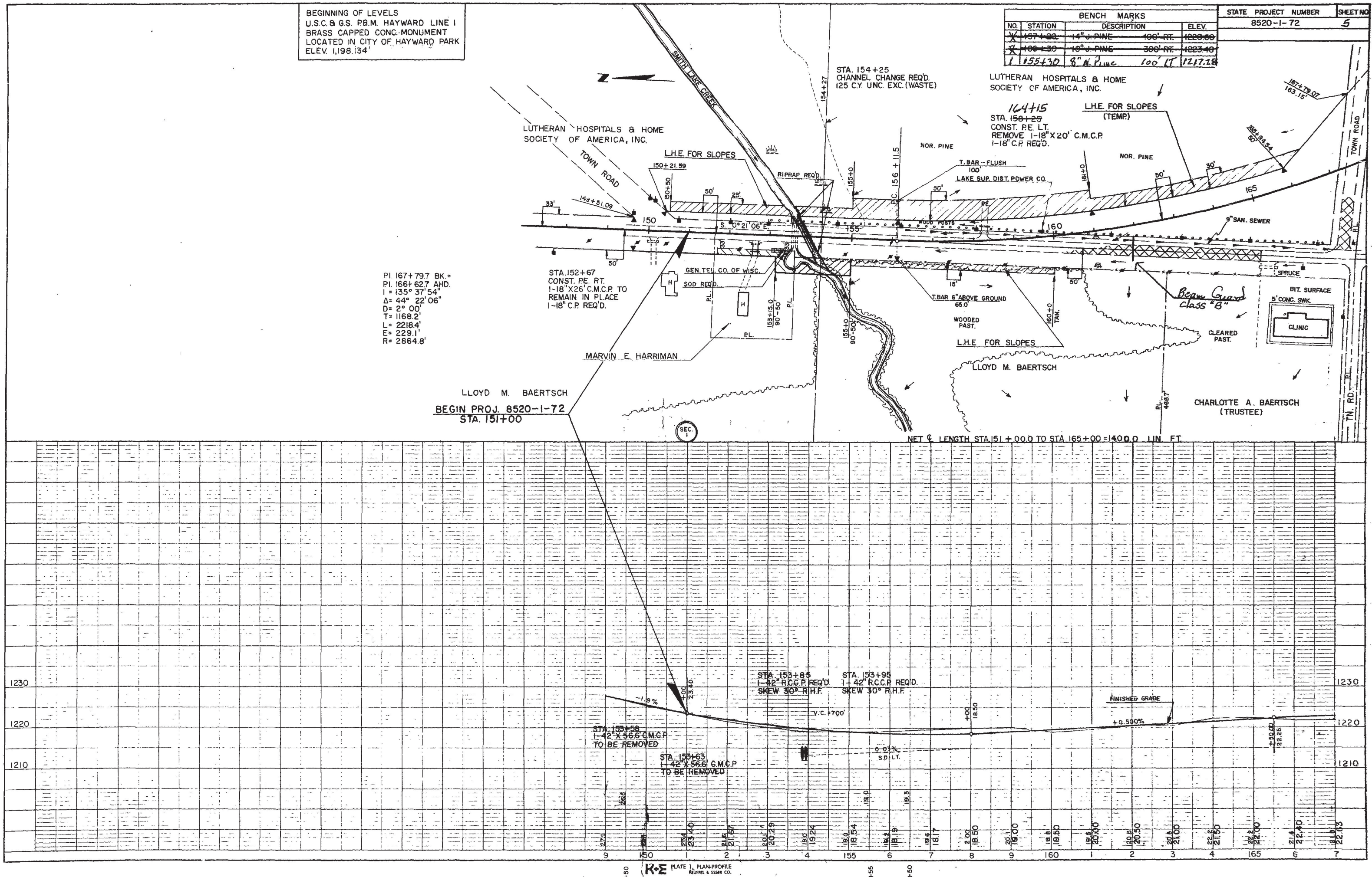
EROSION CONTROL					
SEC.	LOCATION	TOPSOIL S.Y.	MULCH S.Y.	FERT CWT	SEEDING LB.
1	167+40 - 168+75 RT.	78	78	0.2	2.9
1	167+40 - 168+75 LT.	86	86	0.2	3.2
3	208+95 - 211+00 RT.	68	68	0.2	2.6
3	208+95 - 210+80 LT.	68	68	0.2	2.6
3	243+55 - 245+20 RT.	100	100	0.2	3.7

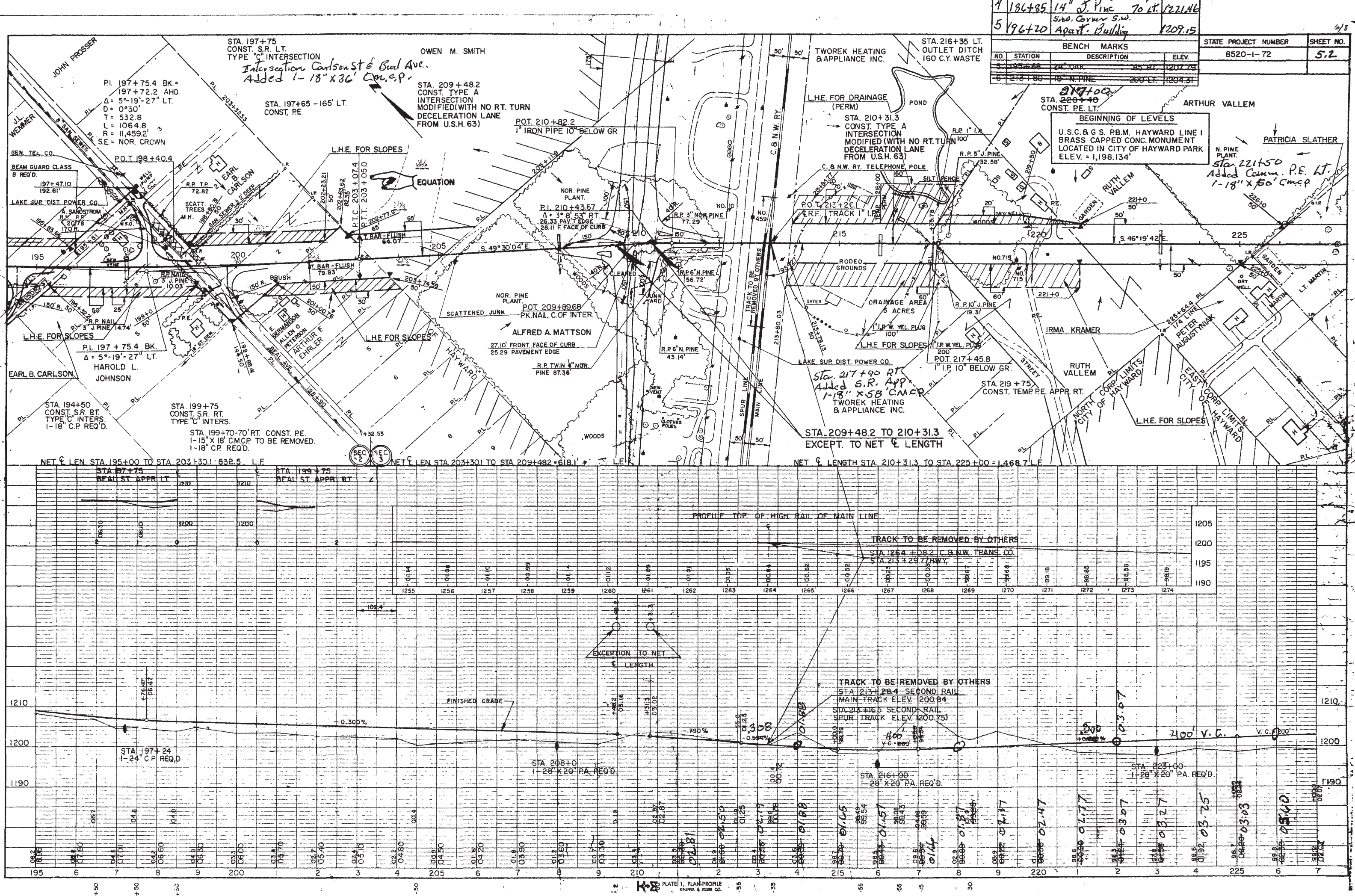
SODDING		
SEC.	LOCATION	S.Y.
1	167+40 FLUME RT.	10
1	167+85 FLUME LT.	10
1	168+15 FLUME LT.	10
1	168+72 FLUME RT.	10
3	208+96 FLUME LT.	10
3	209+40 FLUME RT.	10
3	210+45 FLUME LT.	10
3	210+86 FLUME RT.	10
3	243+55 FLUME RT.	10
3	245+15 FLUME RT.	10
PLAN TOTAL		100



TEMPORARY MARKING

STATE PROJECT NUMBER	SHEET NO
8520-1-72	5

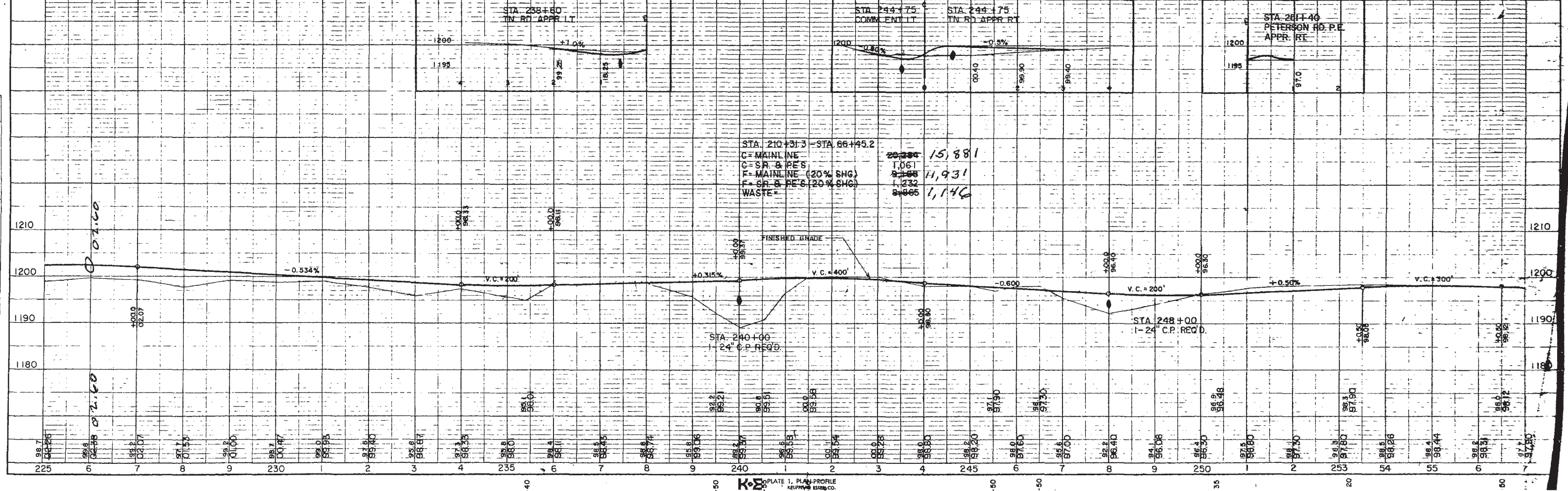
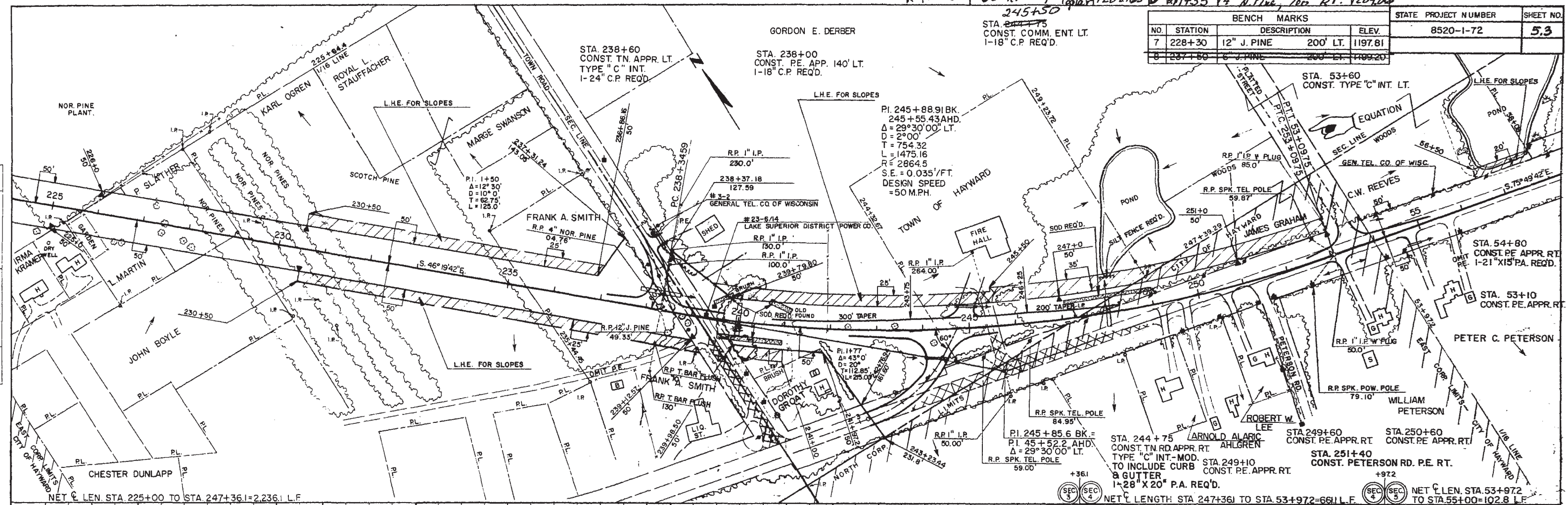




					212+0	14" N. Pine	115' RT	1203.37
6	204+80	60' RT	9" Poplar	1202.65	219+35	14" N. Pine	102' RT	1204.00

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
7	228+30	12" J. PINE	200' LT. 1197.81
8	237+50	6" J. PINE	200' LT. 1189.20

STATE PROJECT NUMBER	SHEET NO.
8520-1-72	5.3



9 238+75 10" N. Pine, 70' LT. 1198.95 11 245+50 S.E. Cor. of S.W. 1199.99
10 238+90 12" J. Pine, 95' LT. 1199.09 12 57+0 8" Turn Birch 50' RT 1198.20

8/8

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	51+10	12" NOR. PINE	90' RT. 1198.38
2	67+50	S.E. COR. SO. CURB	15' RT. 1195.15
3	78+95	24" NOR. PINE	100' RT. 1191.99

STATE PROJECT NUMBER
8520-1-72
SHEET NO.
5.4

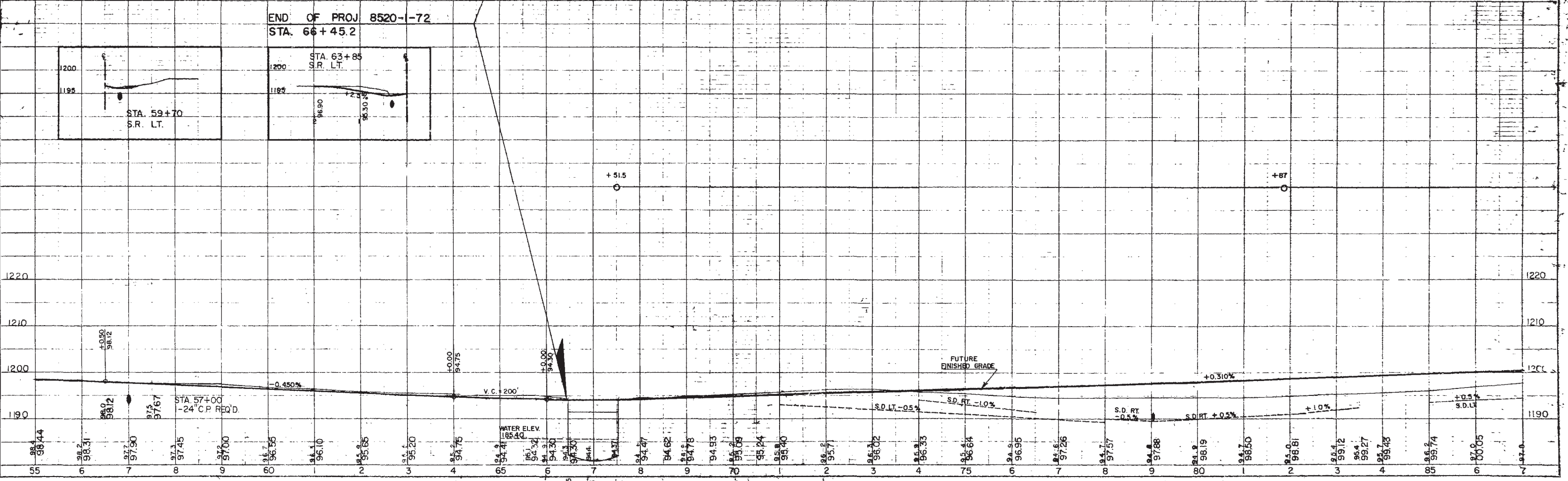
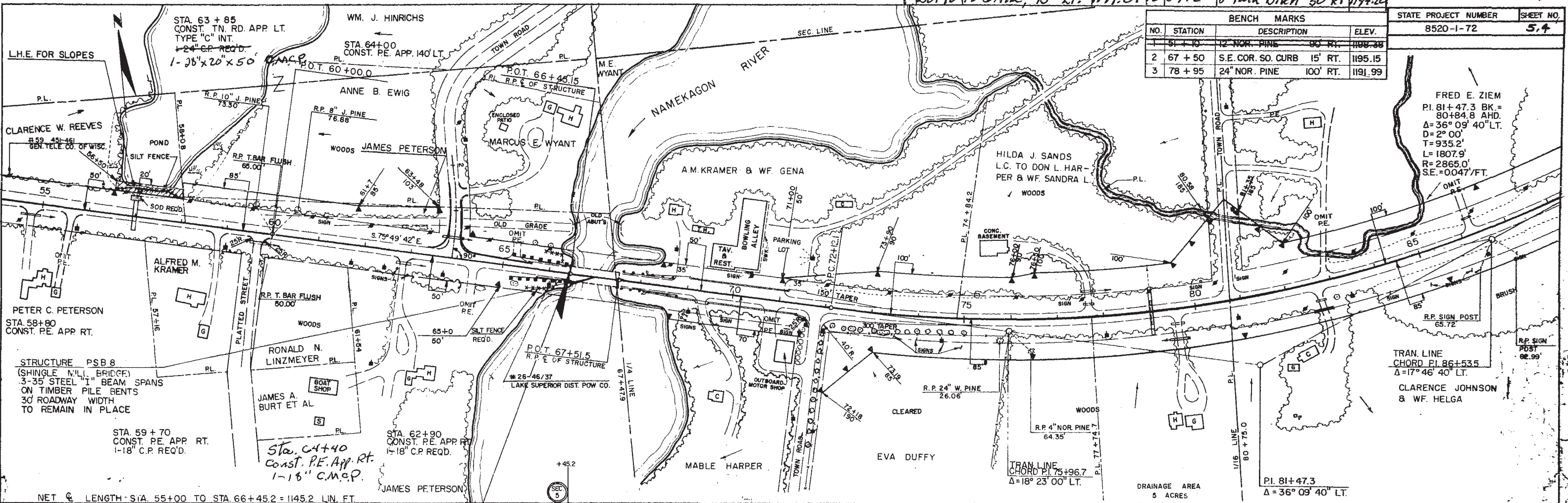
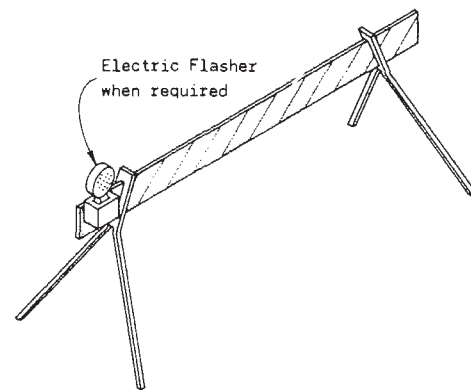


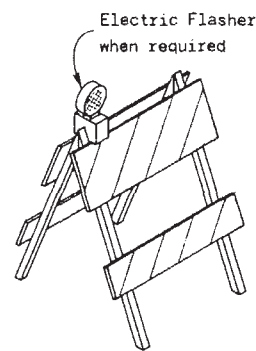
TABLE OF BARRICADE CHARACTERISTICS

BARRICADE TYPE	I	II	III
Height	3' Minimum		5' Minimum
* Rail Width	8" Minimum to 12" Maximum		
Rail Length	2' Minimum to variable Maximum		
** Stripe Width	6" at 45° Angle		
Stripe Colors	Reflectorized Orange & White		

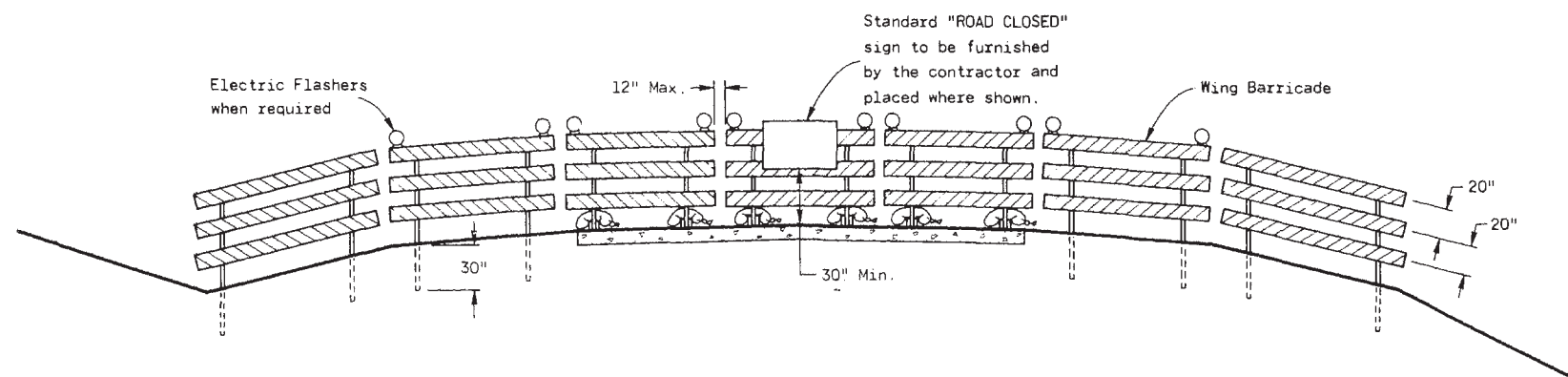
* Nominal dimensions when barricade is constructed of lumber.
 ** May be 4" for rail lengths less than 3'.



TYPICAL TYPE I BARRICADE

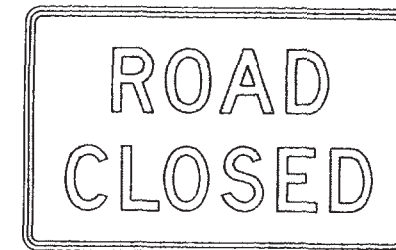


TYPICAL TYPE II BARRICADE



TYPICAL INSTALLATION SHOWING TYPE III BARRICADE

CONSTRUCTION BARRICADES



R11-2

48" x 30"

Black Lettering on Reflective
 White Background
 Letter Series "D"
 Letter height 8"



W20-3

48" x 48"

Black Lettering on Reflective
 Orange Background
 Letter Series "D"
 Letter height 7"

STANDARD SIGNS-TYPE II

GENERAL NOTES

The contractor shall furnish, erect and maintain Barricades and Signs. Details regarding location, spacing, dimensions, fabrication, material, sign lettering, lighting devices and color of Barricades and Signs shall conform to this drawing, the Wisconsin Manual on Uniform Traffic Control Devices, the Standard Specifications, Special Provisions and/or plans.

Type III Barricades and Signs shall be erected at the terminus of projects and at other road or street locations where it is necessary to control or eliminate public access to the construction area.

Type I and II Barricades shall be used on projects when traffic is to be maintained through the construction area.

The actual field location of barricade installations and advance signs shall be as directed by the Engineer.

Each barricade shall have the name and telephone number of a person responsible for 24 hour emergency service printed in letters at least 3/4 inch in height.

CONSTRUCTION BARRICADES & STANDARD SIGNS

State of Wisconsin
 Department of Transportation
 Division of Highways

APPROVED
 10-1-76
 DATE

APPROVED
 10-1-76
 DATE

D. J. Stank
 CHIEF OF FACILITIES DEVELOPMENT

H. J. Siedler
 STATE HIGHWAY ENGINEER