

Sheet Number	Total Sheets
1	44

Index of Sheets

Sheet No.	Title
1	1
2-3	Typical Cross Sections
3	Estimate of Quantities
3A-3B	Miscellaneous Quantities
4-44	Plan

STATE OF WISCONSIN  
 DEPARTMENT OF TRANSPORTATION  
 DIVISION OF HIGHWAYS

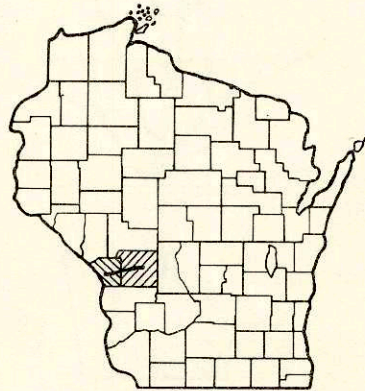
PLAN AND PROFILE OF PROPOSED  
 LA CROSSE — TOMAH ROAD

U.S.H. 16 — TOMAH

I.H. 90

LA CROSSE COUNTY MONROE COUNTY

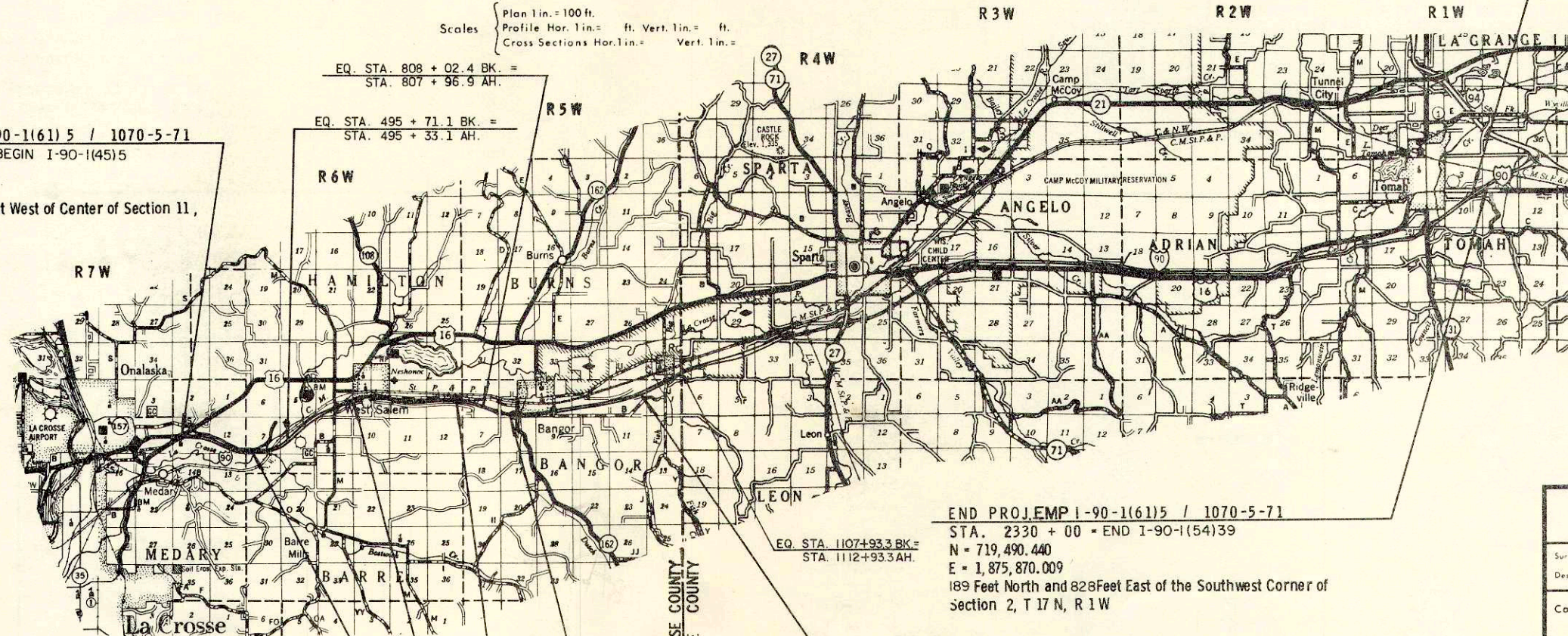
PROJECT IDENTIFICATION NUMBER	FEDERAL PROJECT DESIGNATION
1070-5-71	EMP I 90-1(61)5



Design Designation

A. D. T. (1968)	= 6430
A. D. T. (1988)	= 14,400
D. H. V.	= 2160
D.	= 60
T.	= 8% ADT
V.	= 70 MPH

BEGIN PROJEMP I-90-1(61)5 / 1070-5-71  
 STA. 342 + 72.85 = BEGIN I-90-1(45)5  
 N = 686,194.049  
 E = 1,687,645.610  
 215 Feet South and 1317 Feet West of Center of Section 11,  
 T 16 N, R 7 W



Conventional Signs

State Line	-----	Culverts in Place	-----
County Line	-----	Culverts Required	-----
Township or Range Line	-----	Drop Inlet	-----
Section Line	-----	Power Pole	-----
New Right of Way Line	-----	Telephone or Telegraph Pole	-----
Present Right of Way Line	-----	Right of Way Markers	-----
Wire Fence { Woven	-----	Reference Stake for Hubs Only	-----
{ Barbed	-----	Marsh	-----
Lot Line	-----	Hedge	-----
Corporate or City Limits	-----	Trees	-----
Property Line	-----	Ground Elevation	Datum Line 75.9
Traveled Way or P.E.	-----	Grade Elevation	Datum Line 76.16
Railroads	-----		
Base or Survey Line	-----		

Scales  
 Plan lin. = 100 ft.  
 Profile Hor. lin. = ft. Vert. lin. = ft.  
 Cross Sections Hor. lin. = Vert. lin. =

Total Net Length of Centerline = 34.914 MI. RURAL  
 2.697 MI. MUNICIPAL  
 37.611 MI. TOTAL

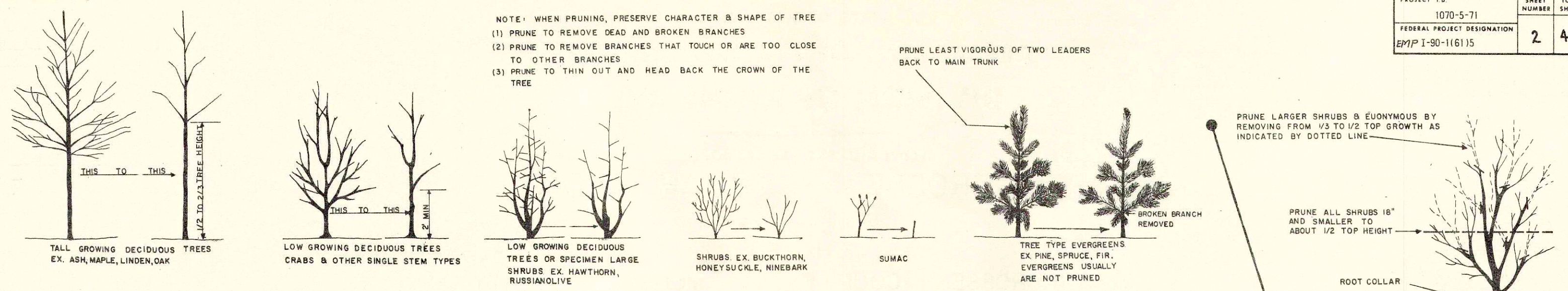
END PROJEMP I-90-1(61)5 / 1070-5-71  
 STA. 2330 + 00 = END I-90-1(54)39  
 N = 719,490.440  
 E = 1,875,870.009  
 189 Feet North and 828 Feet East of the Southwest Corner of  
 Section 2, T 17 N, R 1 W

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
Surveyor: <b>AERIAL</b>	District Checker: <b>G.F.F.</b>
Designer: <b>W.A.S.</b>	C.O. Checker: <b>R.L.C.</b>
Correct:	
Date: <b>9/10/71</b>	<i>R.L.C.</i> District Engineer
Recommended for Approval:	
Date: <b>10/11/71</b>	<i>J.A.H.</i> Chief Design Engineer
Approved:	
Date: <b>10/13/71</b>	<i>J.A.H.</i> State Highway Engineer
U.S. DEPARTMENT OF TRANSPORTATION FEDERAL HIGHWAY ADMINISTRATION BUREAU OF PUBLIC ROADS	
REGION 4 WISCONSIN DIVISION	
Approved:	
Date:	Division Engineer

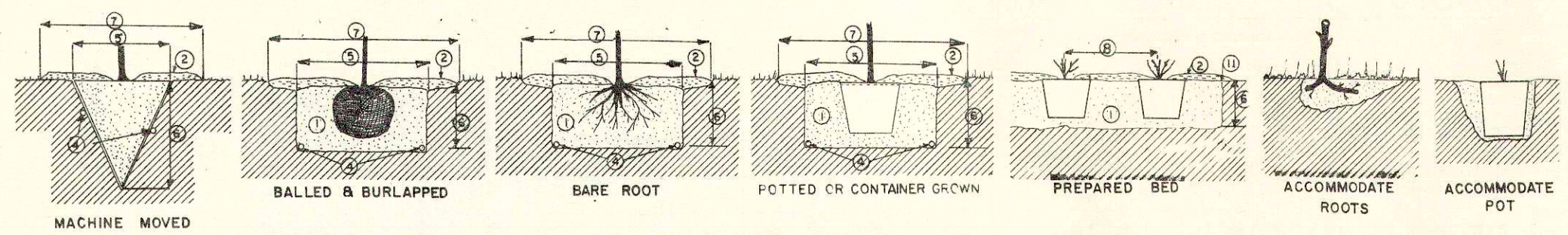
I-90-1(61)5



NOTE: WHEN PRUNING, PRESERVE CHARACTER & SHAPE OF TREE  
 (1) PRUNE TO REMOVE DEAD AND BROKEN BRANCHES  
 (2) PRUNE TO REMOVE BRANCHES THAT TOUCH OR ARE TOO CLOSE TO OTHER BRANCHES  
 (3) PRUNE TO THIN OUT AND HEAD BACK THE CROWN OF THE TREE

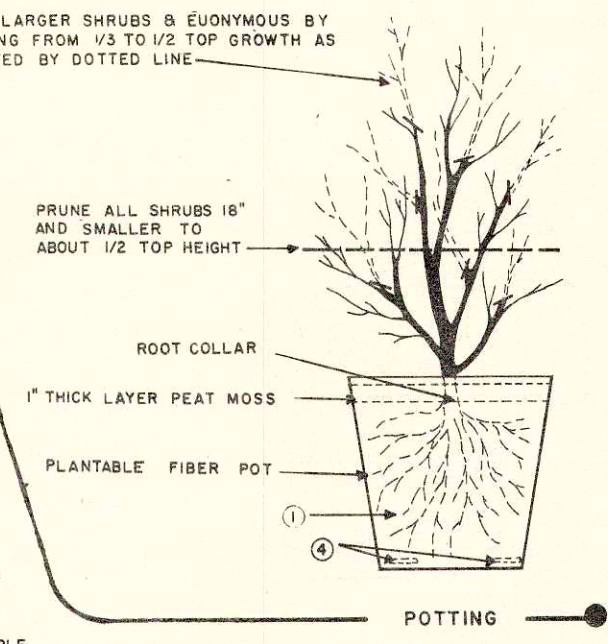


PRUNING

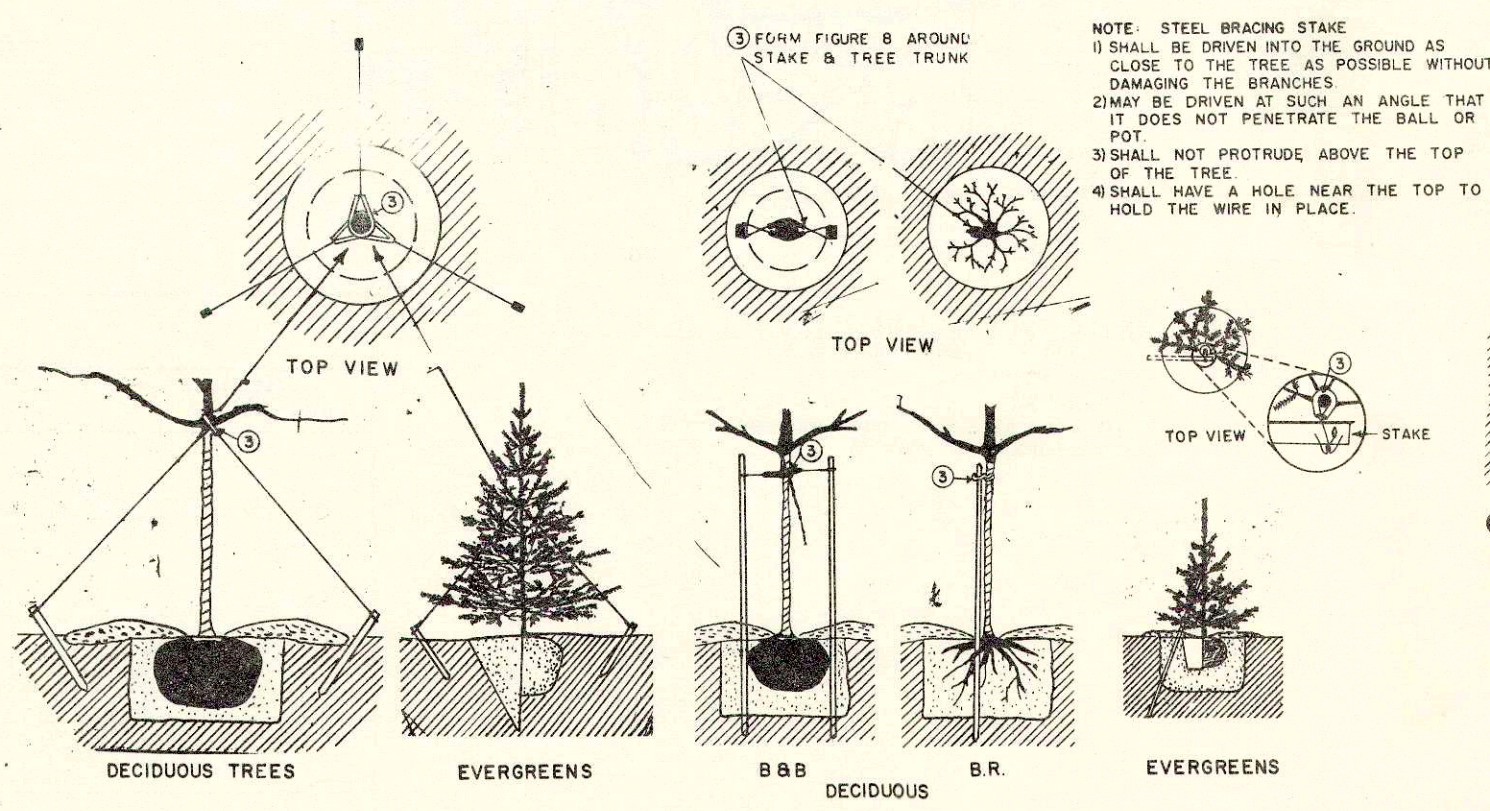


PLANTING

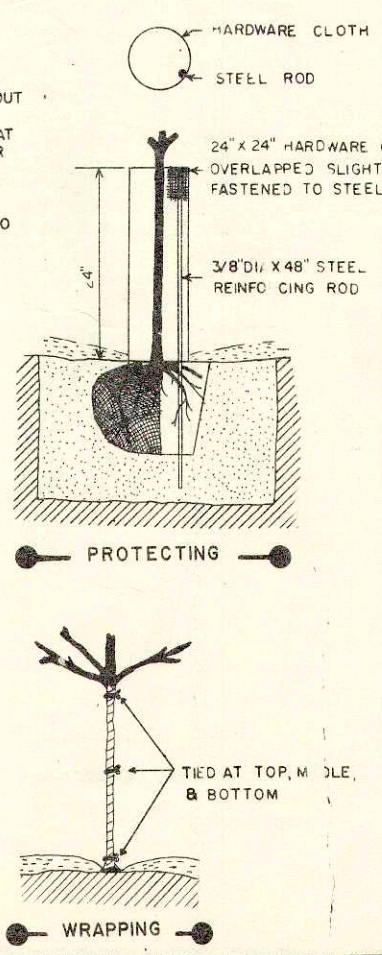
NOTE:  
 (1) ENGINEER MAY REQUIRE 2 OR 3 SLITS IN POT TO SPEED DETERIORATION  
 (2) METAL, PLASTIC OR OTHER NON DEGRADABLE POTS SHALL BE REMOVED PRIOR TO PLANTING



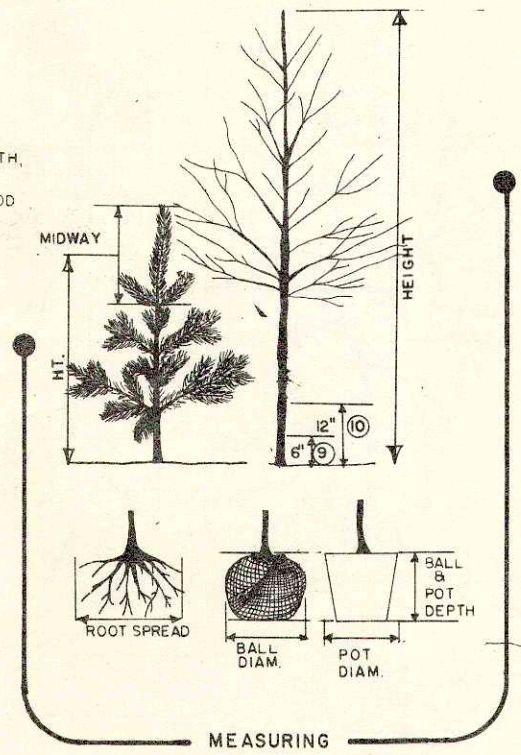
POTTING



NOTE: STEEL BRACING STAKE  
 (1) SHALL BE DRIVEN INTO THE GROUND AS CLOSE TO THE TREE AS POSSIBLE WITHOUT DAMAGING THE BRANCHES  
 (2) MAY BE DRIVEN AT SUCH AN ANGLE THAT IT DOES NOT PENETRATE THE BALL OR POT  
 (3) SHALL NOT PROTRUDE ABOVE THE TOP OF THE TREE  
 (4) SHALL HAVE A HOLE NEAR THE TOP TO HOLD THE WIRE IN PLACE.



WRAPPING



NOTE: MEASUREMENTS ARE SPECIFIED ON PLANT DATA CHART

- LEGEND
- ① BACKFILL MATERIAL - COMPACTED
  - ② MULCH MATERIAL
  - ③ WIRE WITH TRUNK PROTECTION
  - ④ LOCATION OF CONTROLLED RELEASE FERTILIZER UNITS IF SPECIFIED
  - ⑤ DIAMETER AS SPECIFIED ON PLANT DATA CHART
  - ⑥ DEPTH AS SPECIFIED ON PLANT DATA CHART
  - ⑦ DIAMETER OF MULCHED AREA AS SPECIFIED ON PLANT DATA CHART
  - ⑧ SPACING (DISTANCE BETWEEN PLANTS)
  - ⑨ TAKE CALIPER MEASUREMENT OF TREE THROUGH 4" CALIPER
  - ⑩ TAKE CALIPER MEASUREMENT OF TREE OVER 4" CALIPER
  - ⑪ EDGE OF PLANT BED











# PLANT DATA CHART

PROJECT I.D. 1070-B-71	SHEET NUMBER 38	TOTAL SHEETS 44
FEDERAL PROJECT DESIGNATION EMP 190-1(5)5		

COMMON NAME	SCIENTIFIC NAME	AVERAGE MATURE HEIGHT	SIZE WHEN PLANTED	MINIMUM BALL OR POT SIZE	MINIMUM HOLE SIZE	QUANTITY OF COMPOST	FERTILIZER UNITS REQUIRED	BRACING OR GUYING REQUIRED	WRAPPING REQUIRED	RODENT PROTECTION REQUIRED	MULCH RING DIAMETER
<u>DECIDUOUS TALL GROWING TREES</u>											
ASH, GREEN	FRAXINUS PENNSYLVANICA LANCEOLATA	50'	1 1/4-1 1/2" CAL, BR.	—	30" x 20"	24	3	BRACING	YES	YES	38"
HACKBERRY	CELTIS OCCIDENTALIS	50'	1 1/4-1 1/2" CAL, BR.	—	30" x 20"	24	3	BRACING	YES	YES	38"
LINDEN, AMERICAN	TILIA AMERICANA	50'	1 1/4-1 1/2" CAL, BR.	—	30" x 20"	24	3	BRACING	YES	YES	38"
OAK, RED	QUERCUS BOREALIS	60'	1 1/4-1 1/2" CAL, B+B	—	30" x 20"	24	3	BRACING	YES	YES	38"
① POPLAR, CAROLINA	POPULUS CANADENSIS EUGENEI	60'	1 1/4-1 1/2" CAL, BR.	—	30" x 20"	24	3	BRACING	YES	YES	38"
<u>DECIDUOUS LOW GROWING TREES</u>											
HAWTHORN, WASHINGTON	CRATAEGUS PHAENOPYRUM	20'	4-5' HT, B+B	15" x 11"	28" x 15"	15	2	NO	NO	NO	36"
PLUM, AMERICAN	PRUNUS AMERICANA	15'	5-6' HT, BR.	—	28" x 18"	15	2	NO	NO	YES	36"
<u>EVERGREENS</u>											
PINE, RED	PINUS RESINOSA	60'	2 1/2-4' HT, B+P	17" x 13"	25" x 18"	10	2	BRACING	NO	NO	33"
PINE, RED	PINUS RESINOSA	60'	6-12' HT, MM <sup>②</sup>	40" x 42"	42" x 44"	30	5	GUYING	NO	NO	50"
SPRUCE, WHITE	PICEA GLAUCA	60'	2 1/2-3' HT, B+B <sup>③</sup>	11" x 11"	25" x 18"	10	2	BRACING	NO	NO	33"
<u>DECIDUOUS SHRUBS</u>											
DOGWOOD, REDOSIER	CORNUS STOLONIFERA	6'	15-18" HT, BRP	8" x 8 1/2"	18" x 15" <sup>[ALONG ROADSIDE]</sup>	2	1	NO	NO	NO	26"
DOGWOOD, REDOSIER	CORNUS STOLONIFERA	6'	15-18" HT, BRP	8" x 8 1/2"	ACCOMMODATE POT <sup>[IN BRDS]</sup>	15	0.1 LB.	NO	NO	NO	BED LIMITS
NINEBARK, DWARF COMMON	PHYSOCARPUS OPULIFOLIUS NANA	4'	9-12" HT, BRP	4 1/2" x 5"	ACCOMMODATE POT	15	0.1 LB.	NO	NO	NO	BED LIMITS
ROSE, PRAIRIE	ROSA SETIGERA	4'	9-12" HT, BRP	4 1/2" x 5"	ACCOMMODATE POT	15	0.1 LB.	NO	NO	NO	BED LIMITS
ROSE, VIRGINIA	ROSA VIRGINIANA	4'	9-12" HT, BRP	4 1/2" x 5"	ACCOMMODATE POT	15	0.1 LB.	NO	NO	NO	BED LIMITS
SUMAC, FRAGRANT	RHUS AROMATICA	4'	9-12" HT, BRP	4 1/2" x 5"	ACCOMMODATE POT	15	0.1 LB.	NO	NO	NO	BED LIMITS
SUMAC, STAGHORN	RHUS TYPHINA	12'	3-4' HT, BR	—	ACCOMMODATE ROOTS	—	—	NO	NO	NO	—
<u>VINES</u>											
IVY, ENGELMANN	PARTHENOCLISSUS QUINQUEFOLIA 'ENGELMANNI'	4'	2 1/2" #1, BRP	8" x 8 1/2"	18" x 15"	2	1	NO	NO	NO	26"
<u>GROUNDCOVERS</u>											
CROWN VETCH	CORONILLA VARIA	18"	SEED								
TREFOIL, BIRDSFOOT	LOTUS CORNICULATUS	12"	SEED								

### ABBREVIATIONS

- B+B BALLED & BURLAPPED
- BR BARE ROOT
- BRP BARE ROOT POTTED
- B+P BALLED & POTTED
- CG CONTAINER GROWN
- MM MACHINE MOVED

### NOTES

1. POPLAR ROBUSTA MAY BE SUBSTITUTED
2. MAXIMUM 5" CALIPER
3. B+P OR CG MAY BE SUBSTITUTED



PROJECT I.D. 1070-5-71	SHEET NUMBER 4	TOTAL SHEETS 44
FEDERAL PROJECT DESIGNATION EMP I-90-1(61)5		

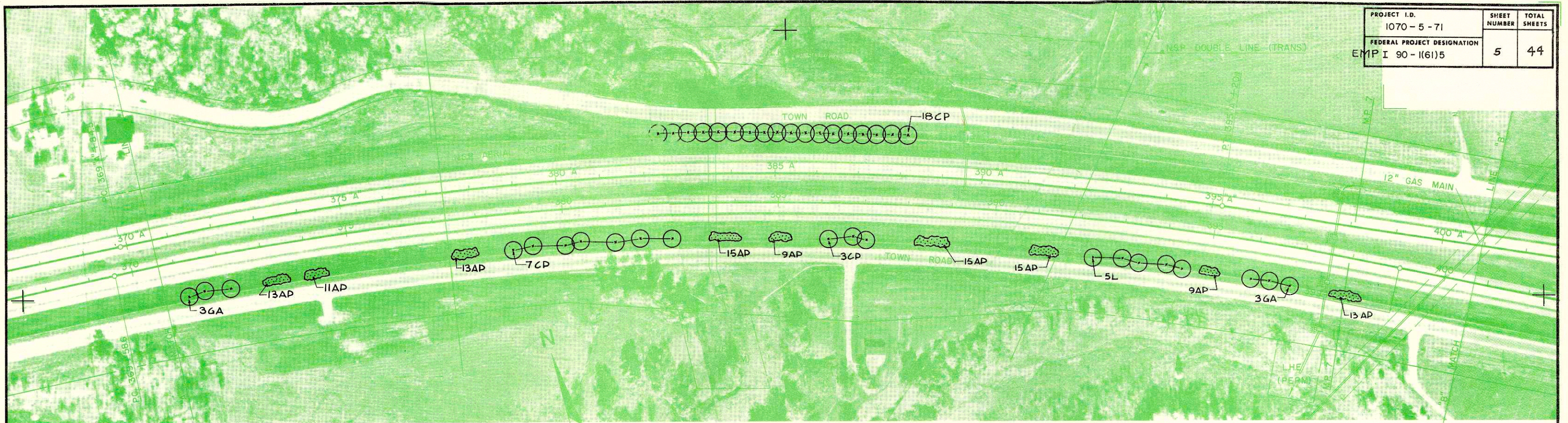


BEGINNING OF PROJ. EMP I-90-1(61)5 / 1070-5-71  
 STA 342 + 72.85

1070 PR 11 ROWS 3" C/C



PROJECT I.D.	1070-5-71	SHEET NUMBER	5	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				



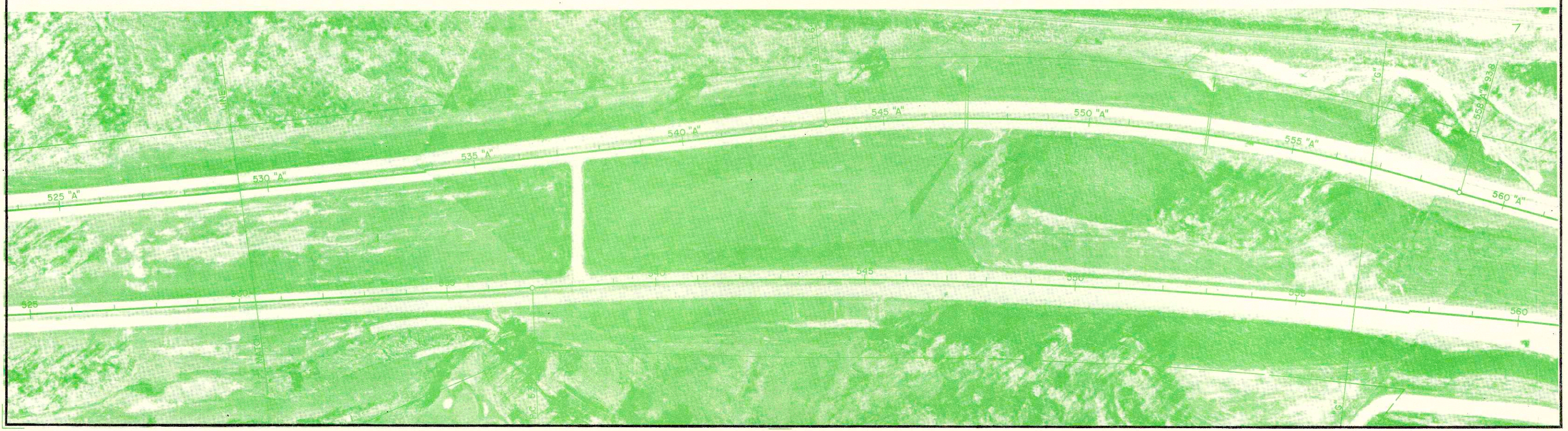
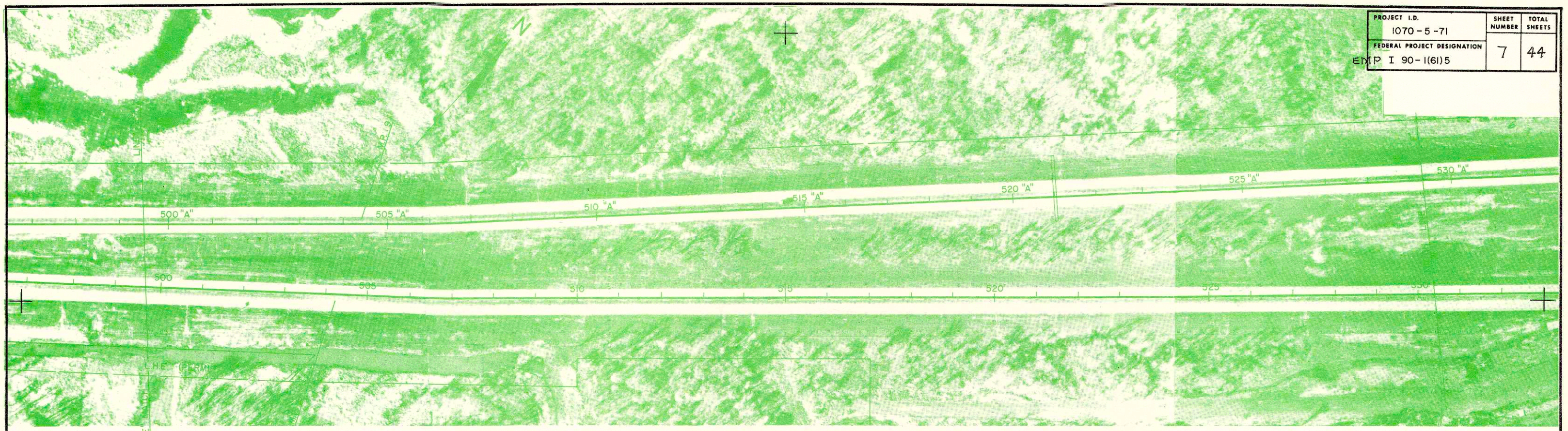


PROJECT I.D.	1070-5-71	SHEET NUMBER	6	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I 90-1(6)5				





PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMP I 90-1(6)5	7	44





PROJECT I.D.	1070-5-71	SHEET NUMBER	8	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				



LINE 10  
 PT. 587 'A' + 417 BK =  
 586 'A' + 603 AH

TOWN ROAD

WEIGH STATION

N

555 'A'

560 'A'

565 'A'

570 'A'

575 'A'

580 'A'

585 'A'

585

LINE 10

PT. 558 'A' + 93.8

LINE 10

LINE 10

3L

3RP

3GA

3RP

IL

5GA

3RP

3L

5WH

5WH

3L

5L

5WS

7RP

3GA

2L

3GA

5GA

2L

9WS

TOWN ROAD

WEIGH STATION

N

555 'A'

560 'A'

565 'A'

570 'A'

575 'A'

580 'A'

585 'A'

585

LINE 10

PT. 558 'A' + 93.8

LINE 10

LINE 10

3L

3RP

3GA

3RP

IL

5GA

3RP

3L

5WH

5WH

3L

5L

5WS

7RP

3GA

2L

3GA

5GA

2L

9WS

TOWN ROAD

WEIGH STATION

N

555 'A'

560 'A'

565 'A'

570 'A'

575 'A'

580 'A'

585 'A'

585

LINE 10

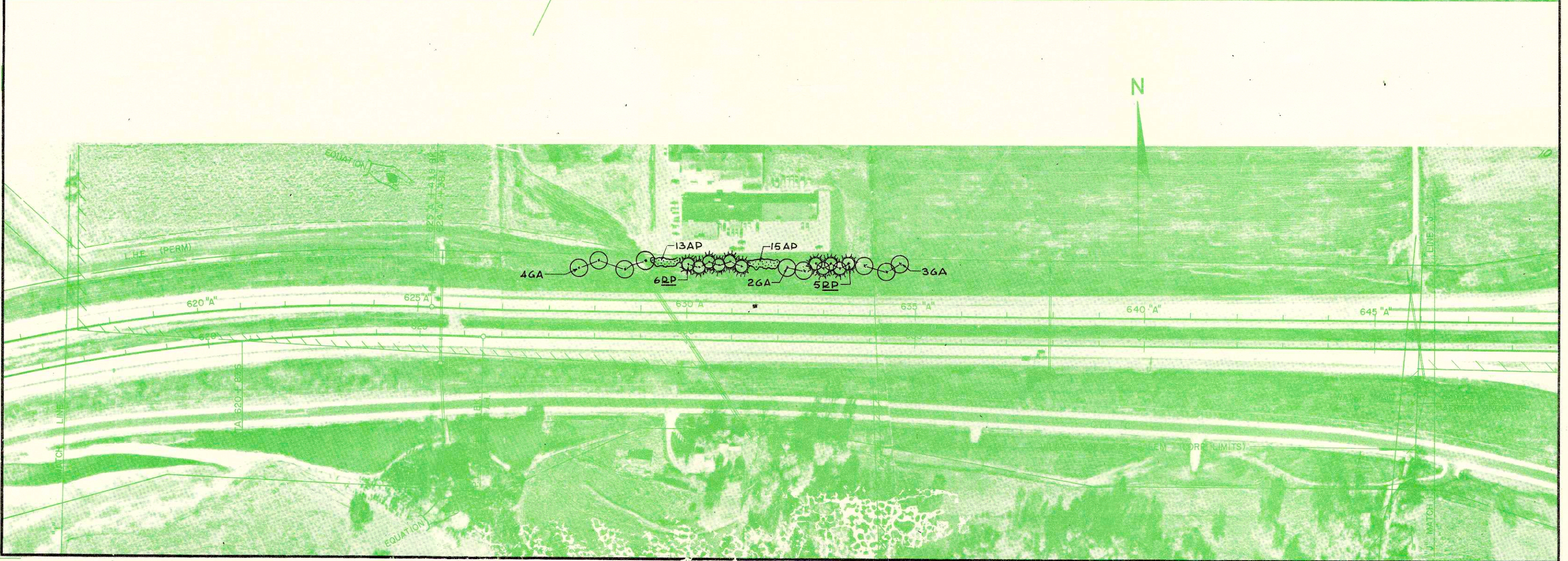
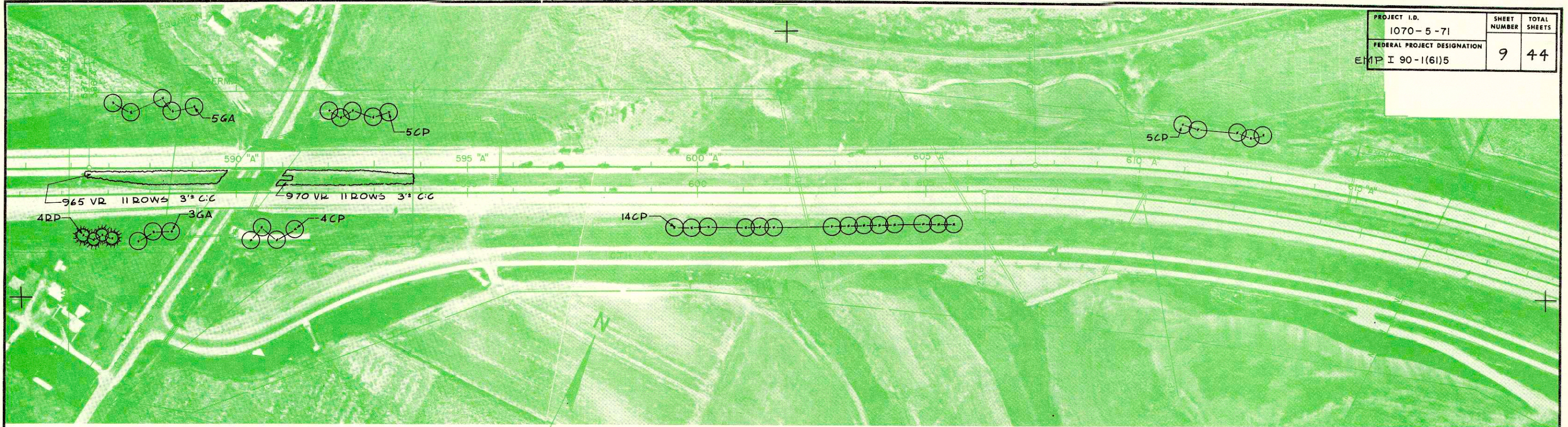
PT. 558 'A' + 93.8

LINE 10

LINE 10



PROJECT I.D.	1070-5-71	SHEET NUMBER	9	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I 90-1(6)5				





PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMP I 90-(61)5	10	44



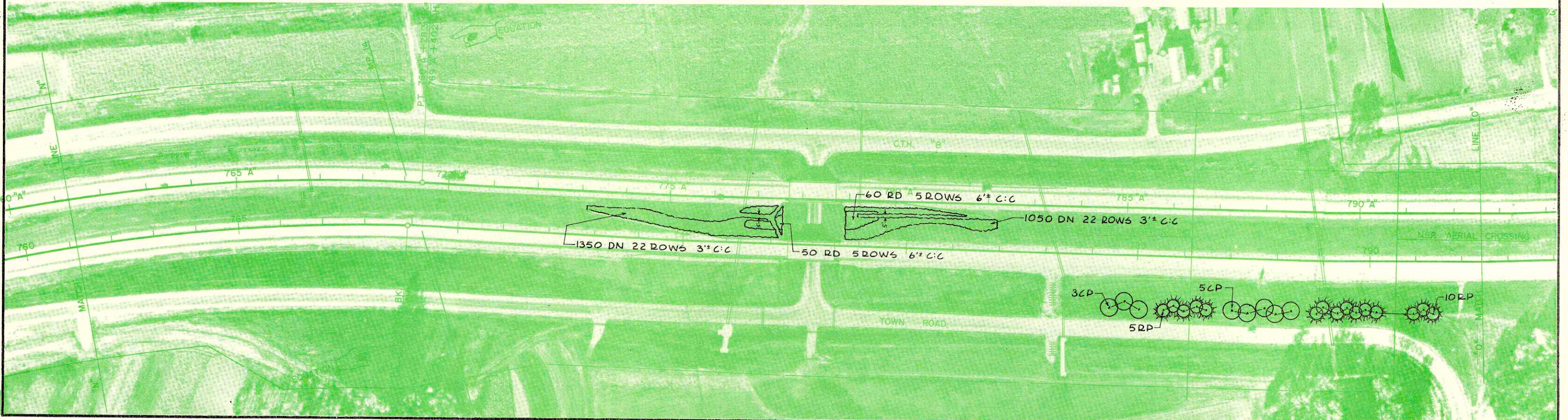
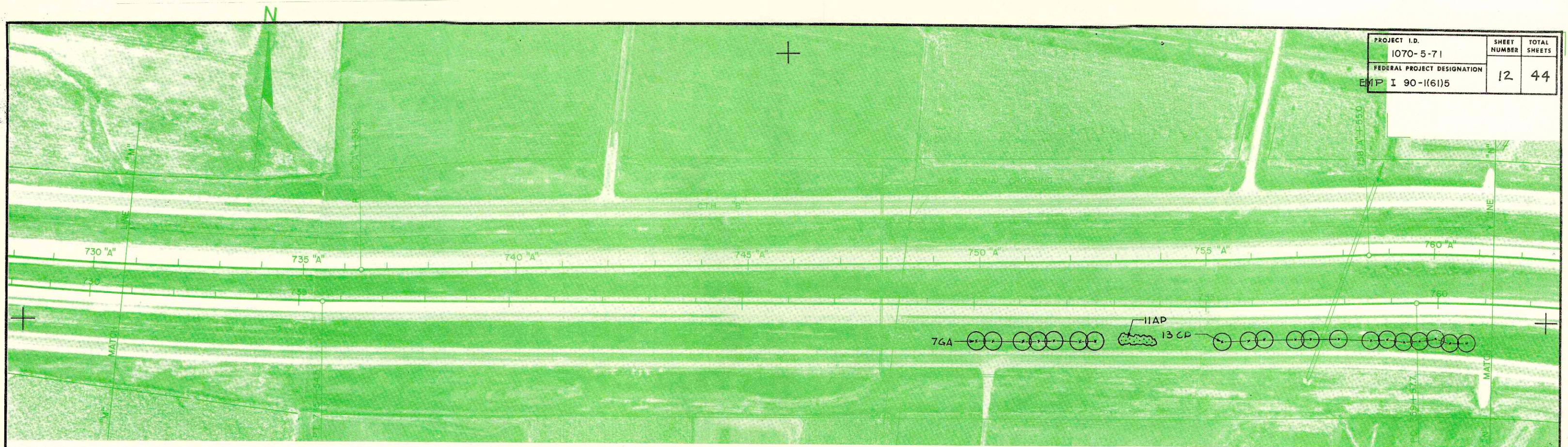


PROJECT I.D. 1070-5-71	SHEET NUMBER 11	TOTAL SHEETS 44
FEDERAL PROJECT DESIGNATION EMP I 90-1(6)5		





PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5	12	44



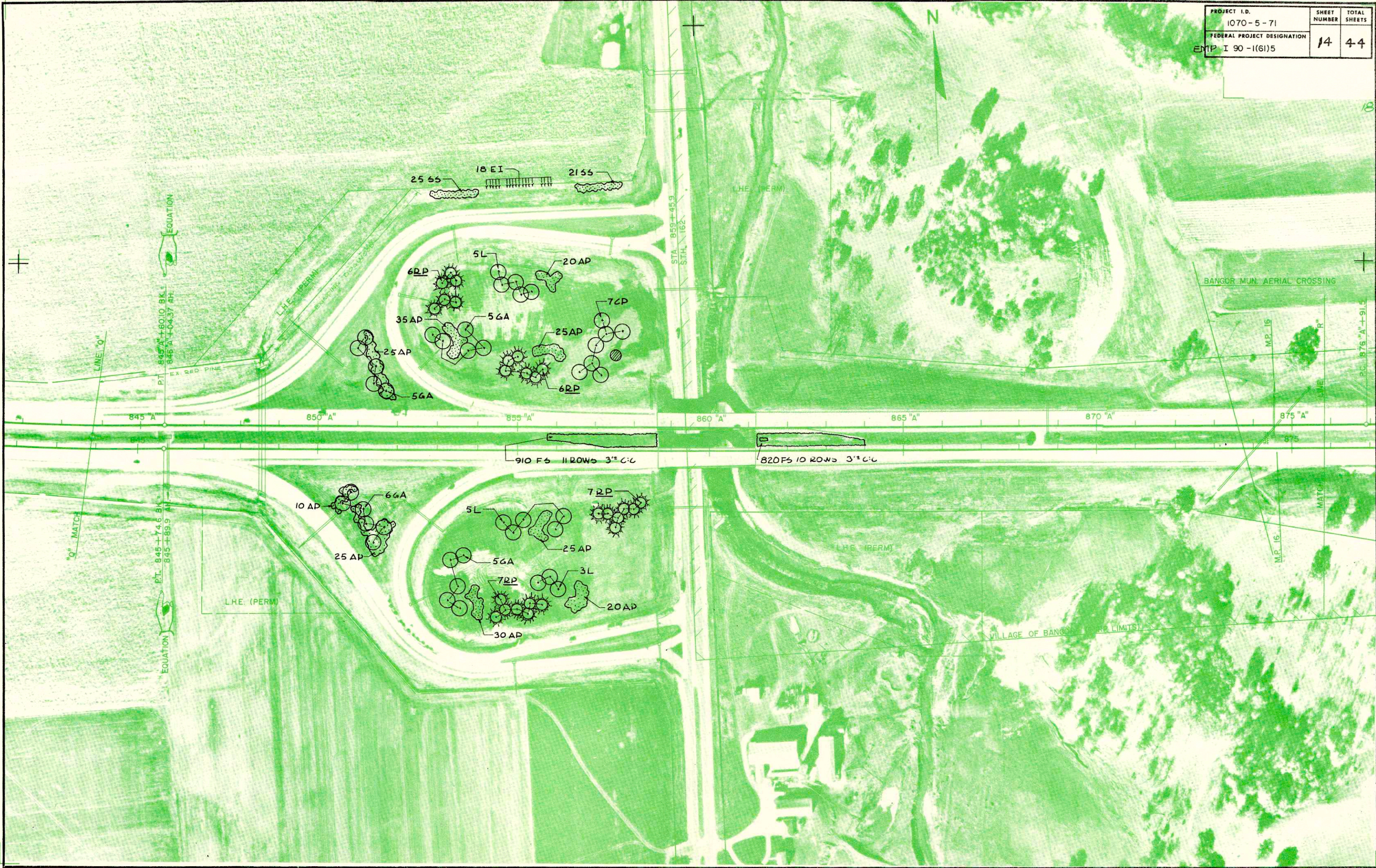


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FEDERAL PROJECT DESIGNATION	EMP I 90-(161)5	13	44





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FEDERAL PROJECT DESIGNATION	EMTP I 90-1(61)5				

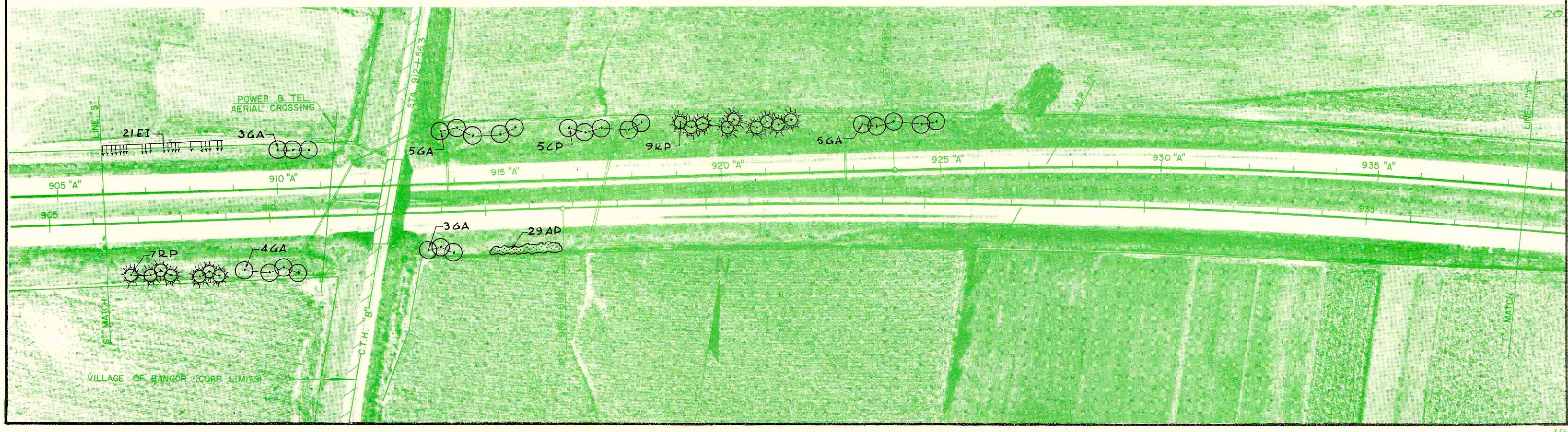


18

14



PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMP I 90-1(6)5	15	44



19

20

15

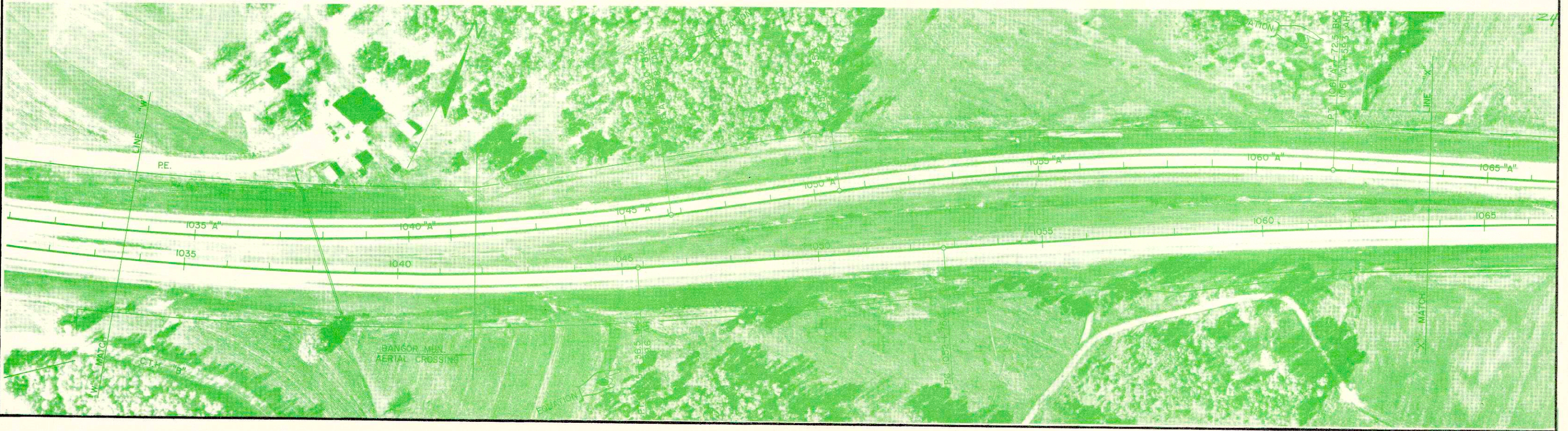
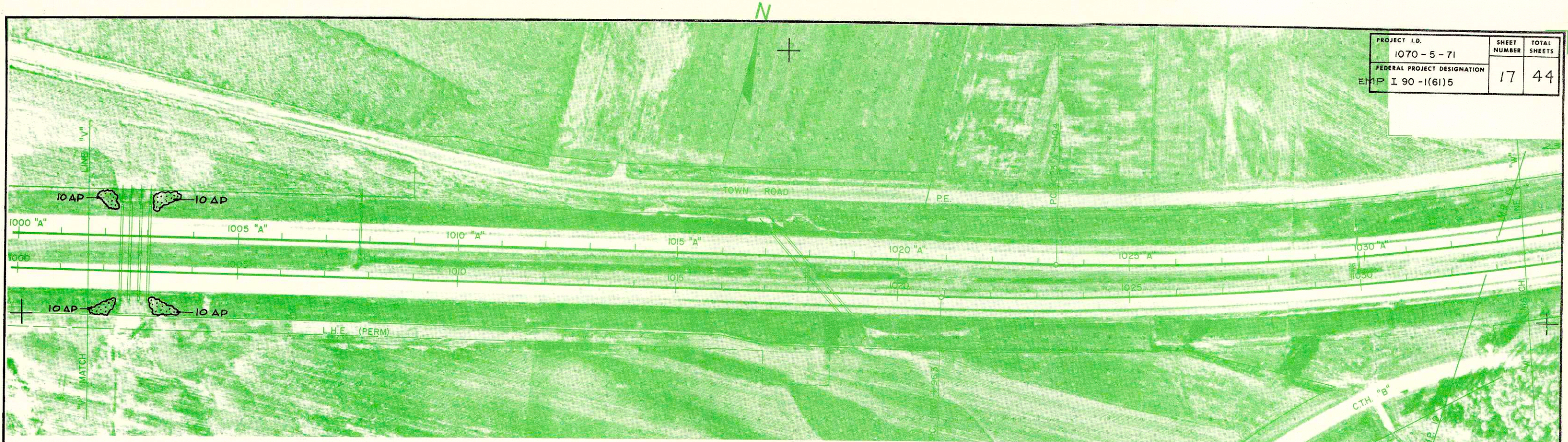


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FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				



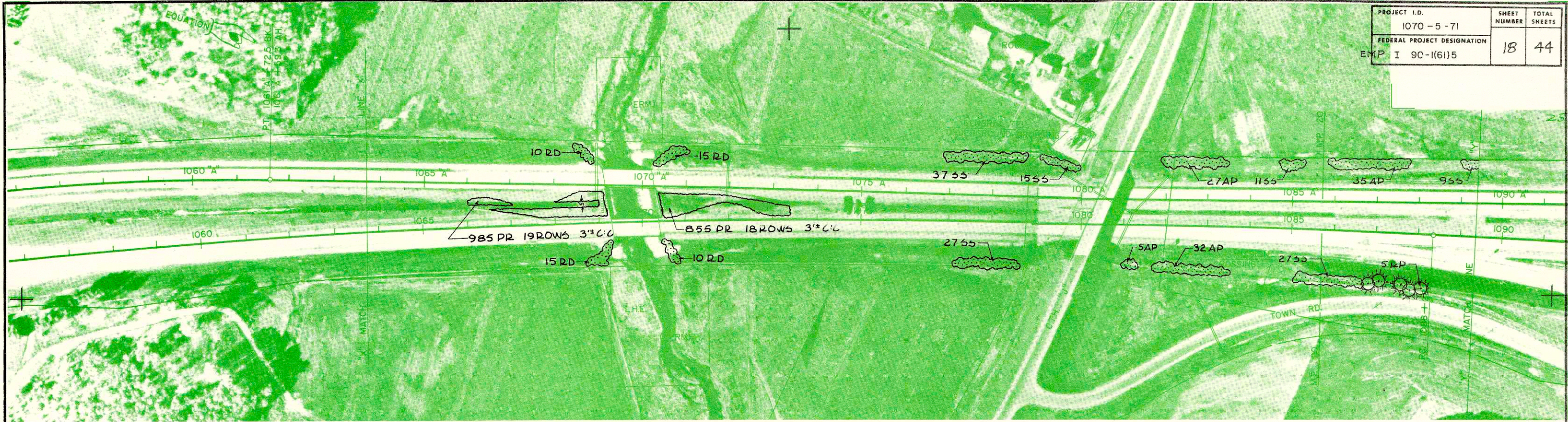


PROJECT I.D.	1070-5-71	SHEET NUMBER	17	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				





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FEDERAL PROJECT DESIGNATION	EMP I 9C-1(61)5				





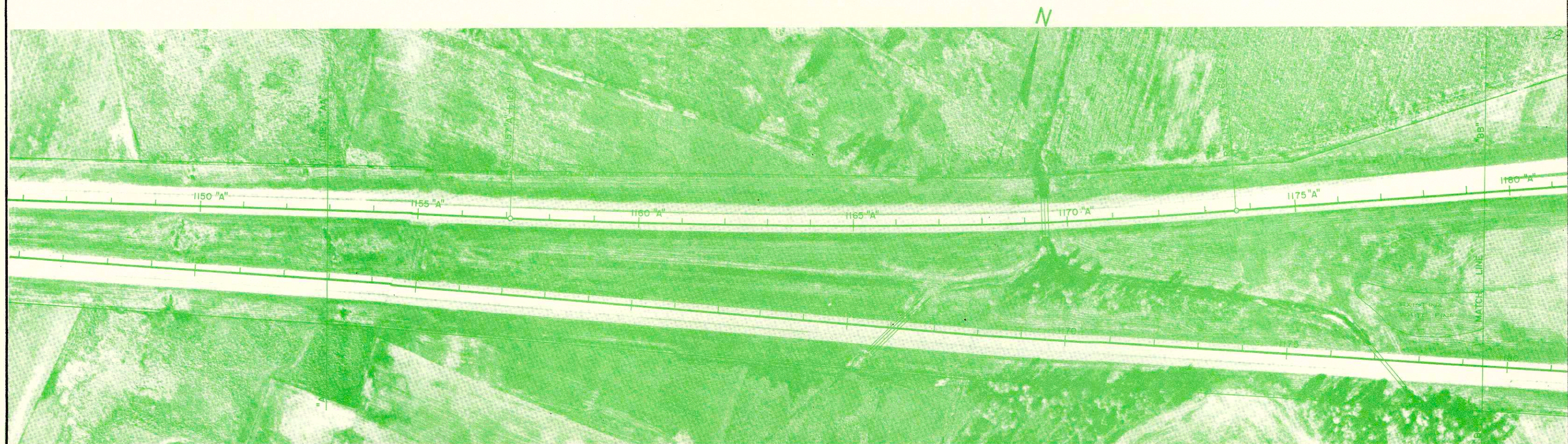
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FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				



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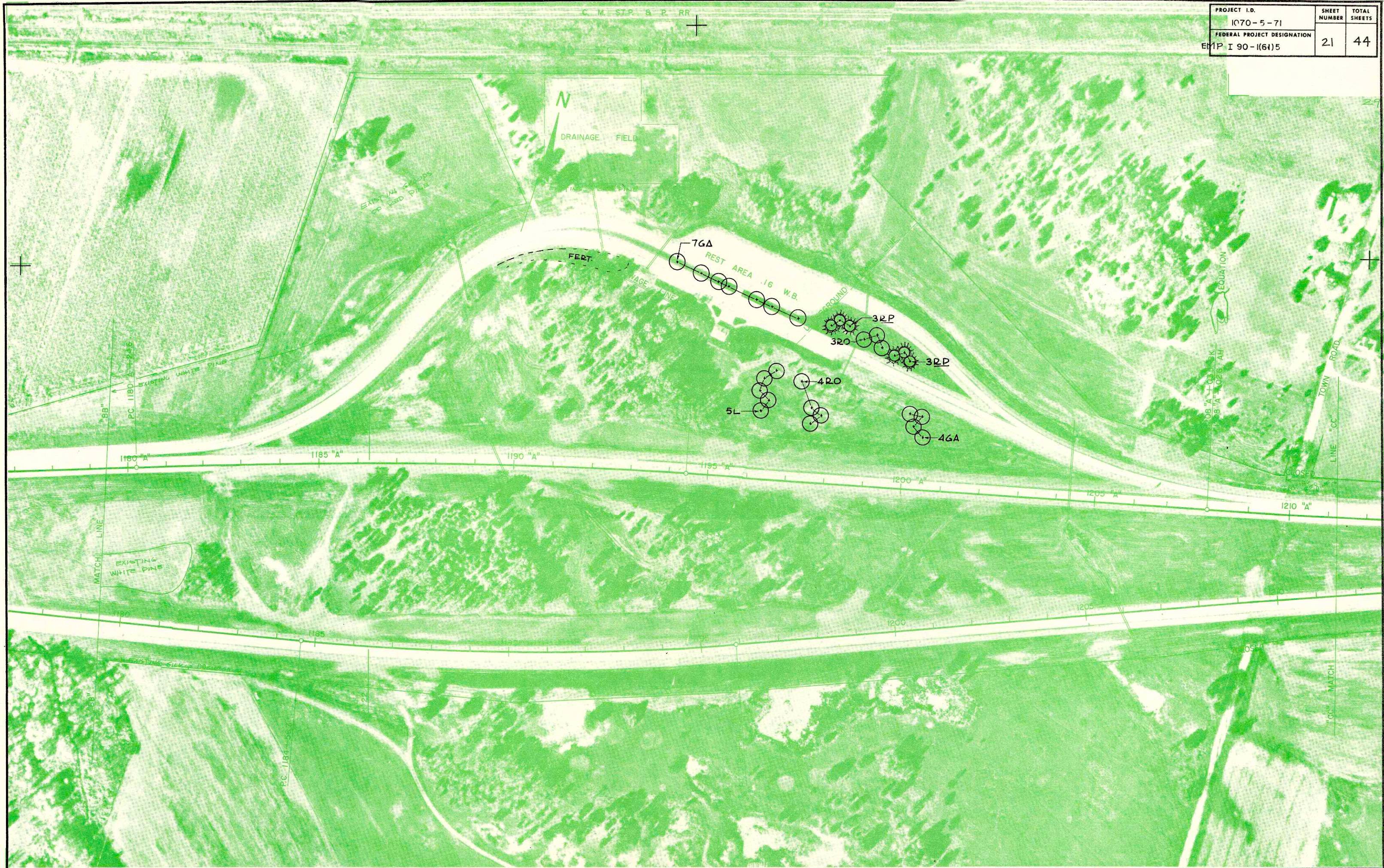


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FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5	20	44



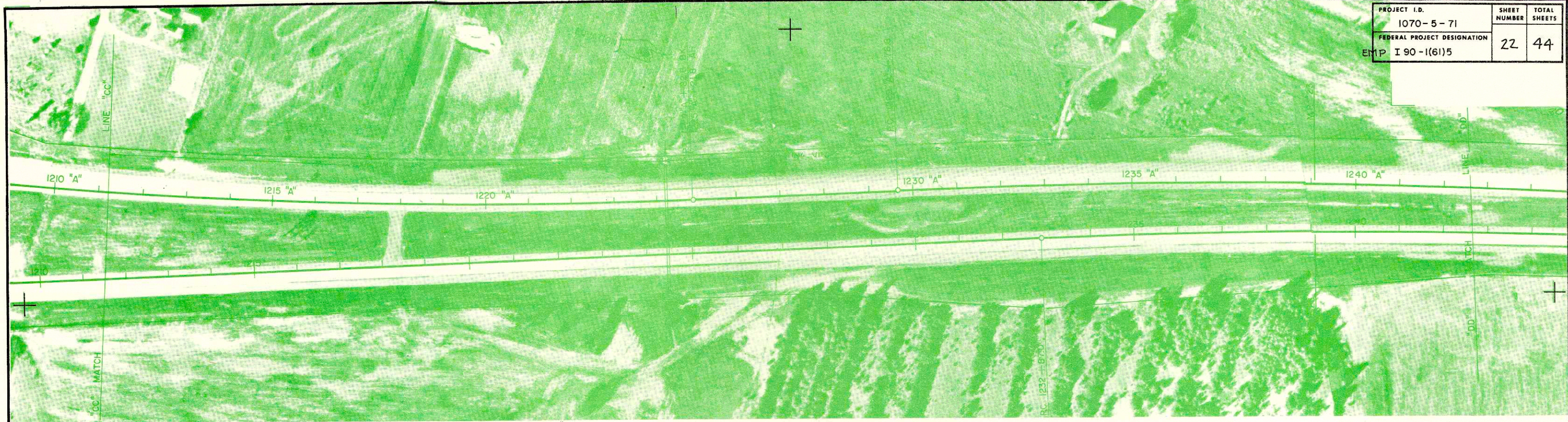


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FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				



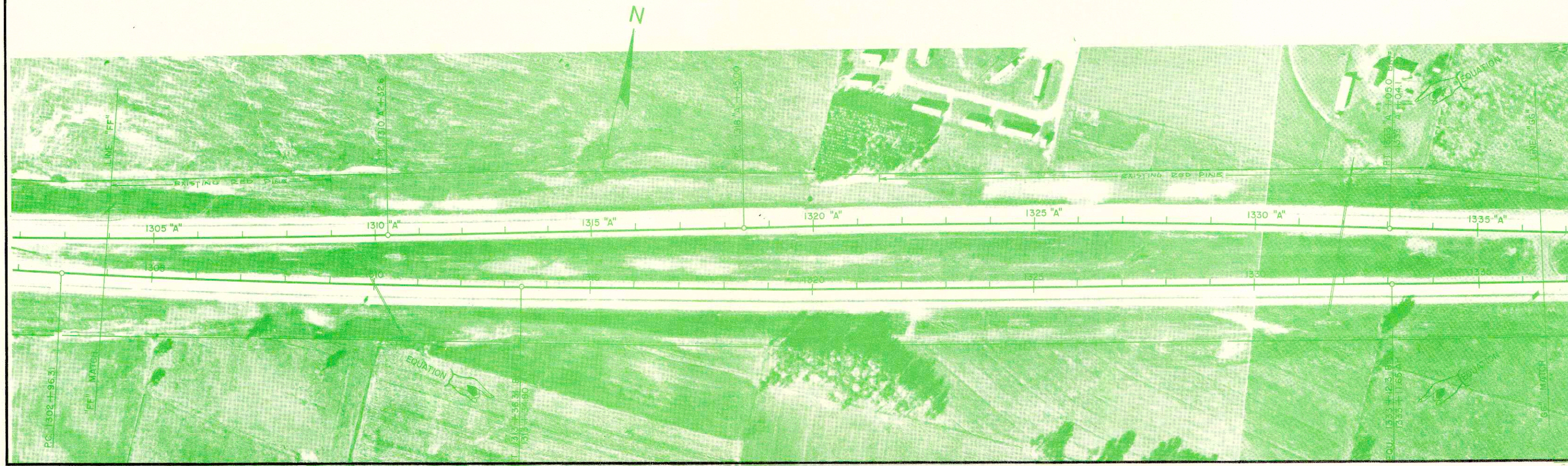
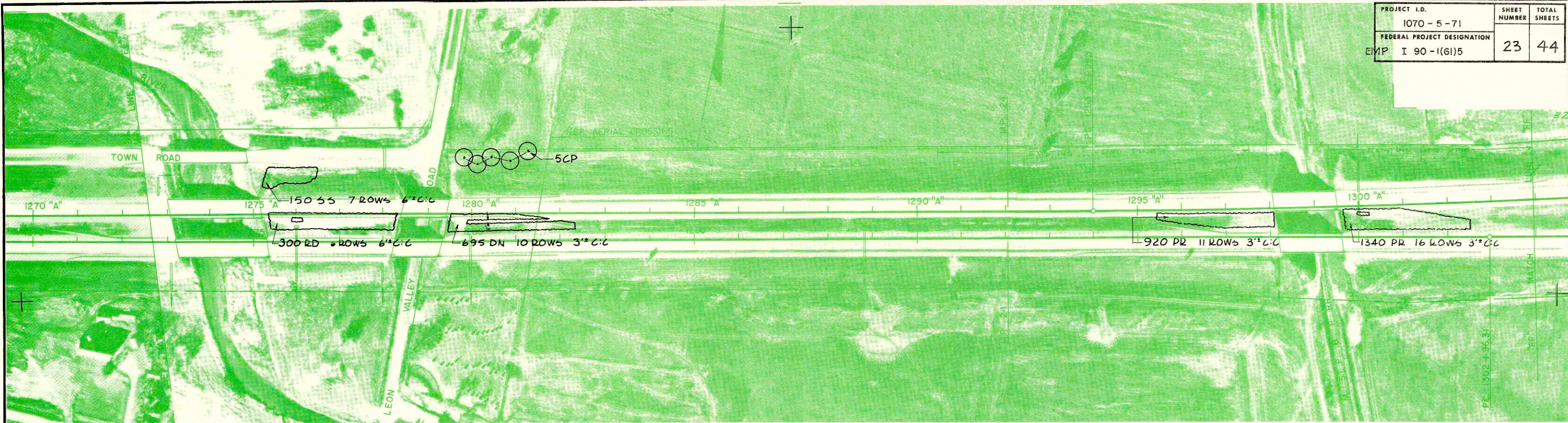


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FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				





PROJECT I.D.	SHEET NUMBER	TOTAL SHEETS
1070-5-71	23	44
FEDERAL PROJECT DESIGNATION		
EMP I 90-1(6)5		



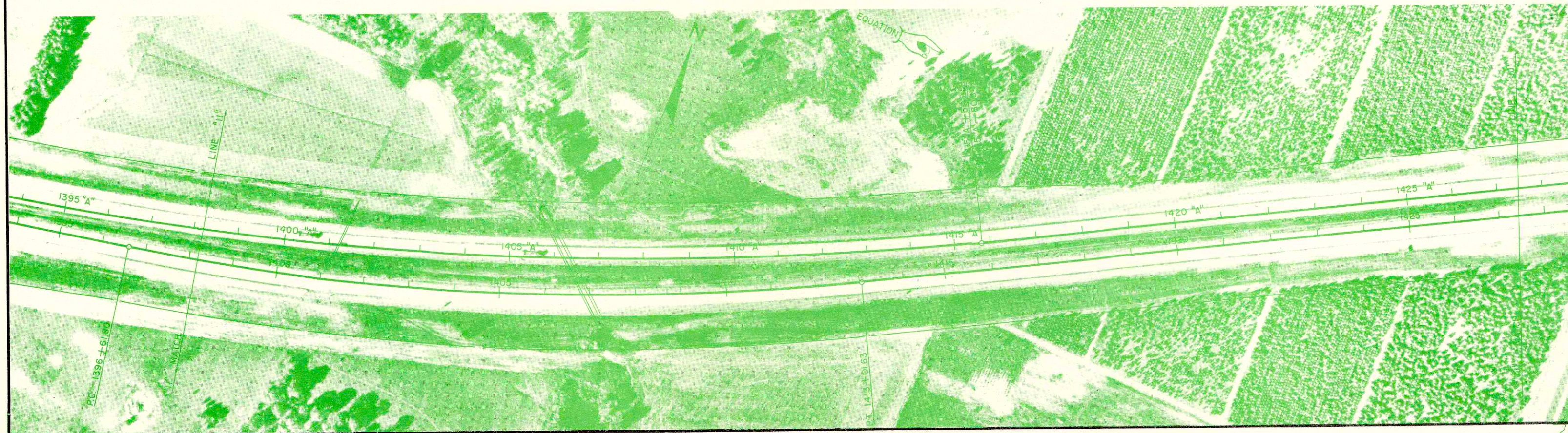


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FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5	24	44



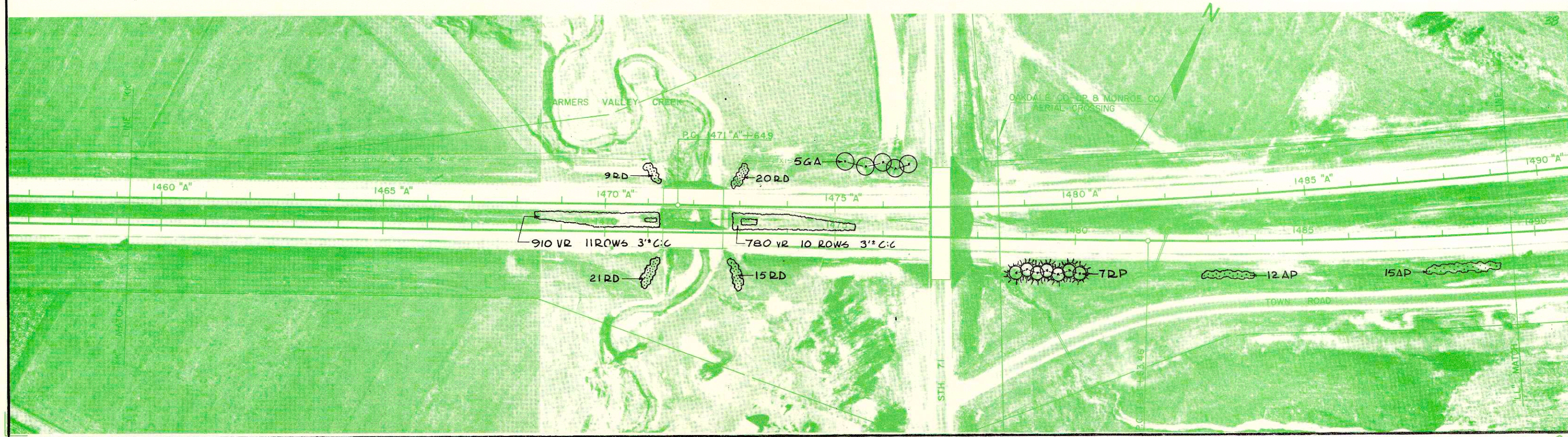


PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5	25	44





PROJECT I.D.	1070-5-71	SHEET NUMBER	26	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I 90-1(6)5				





PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMPI 90-1(61)5	27	44

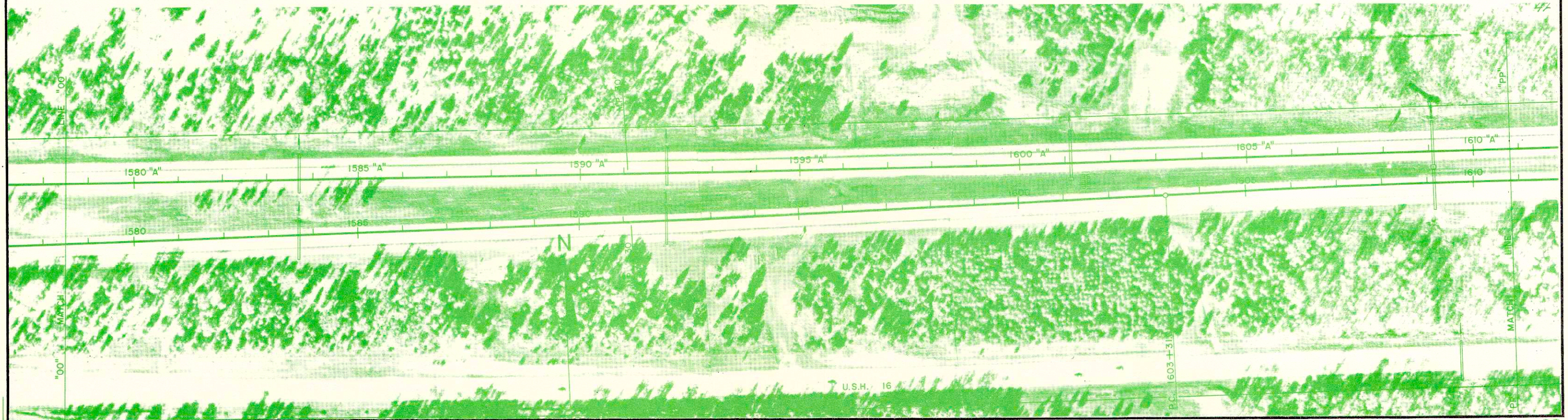
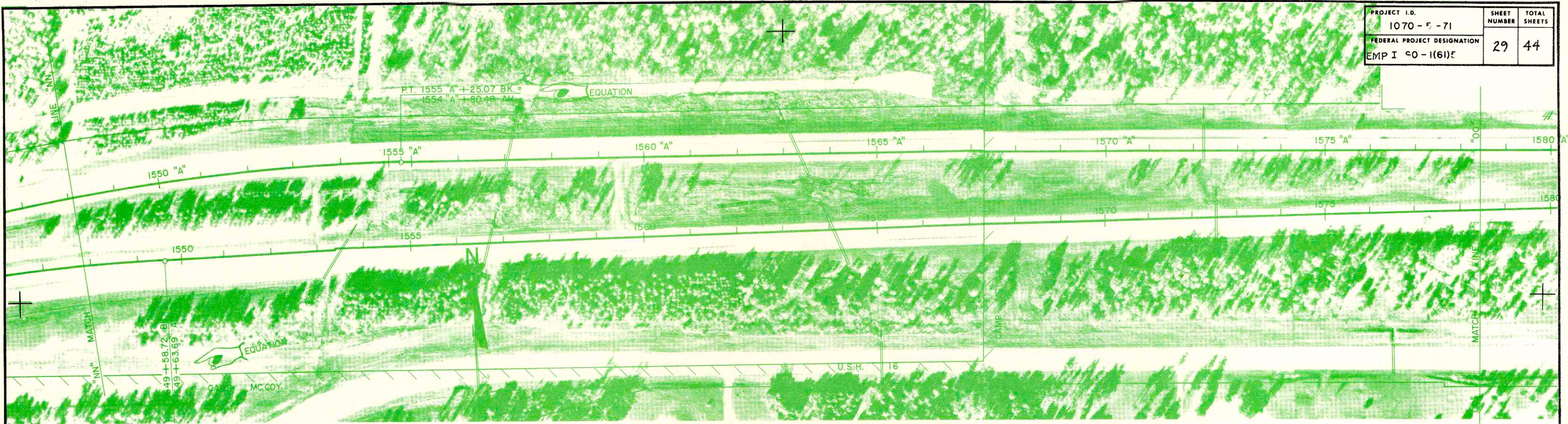






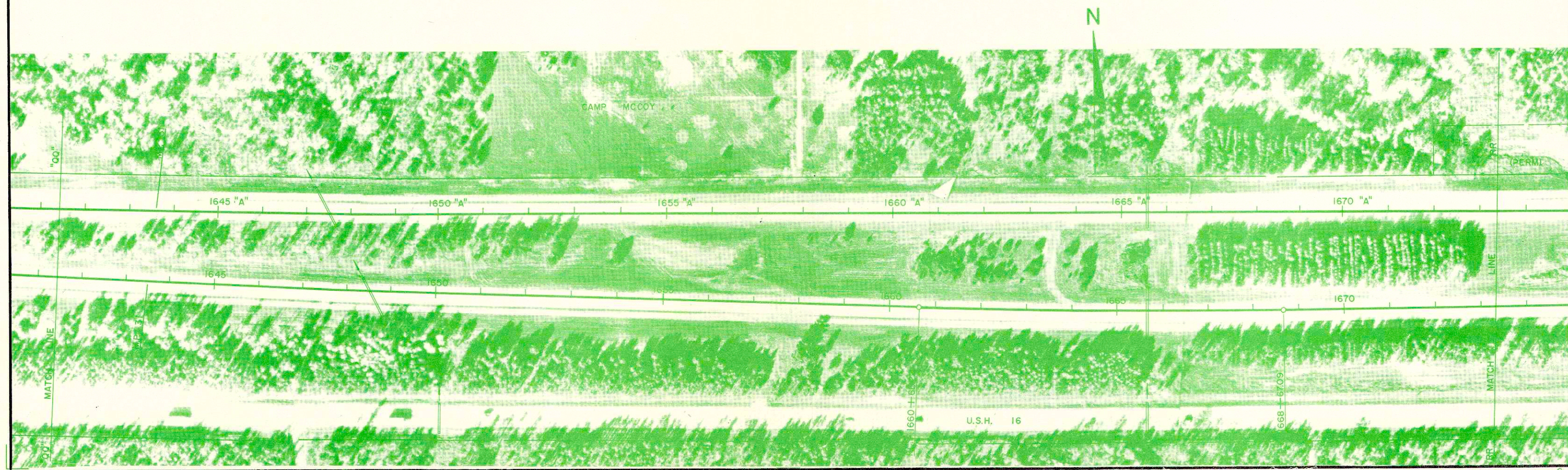


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FEDERAL PROJECT DESIGNATION	EMP I 90-1(6)E	29	44



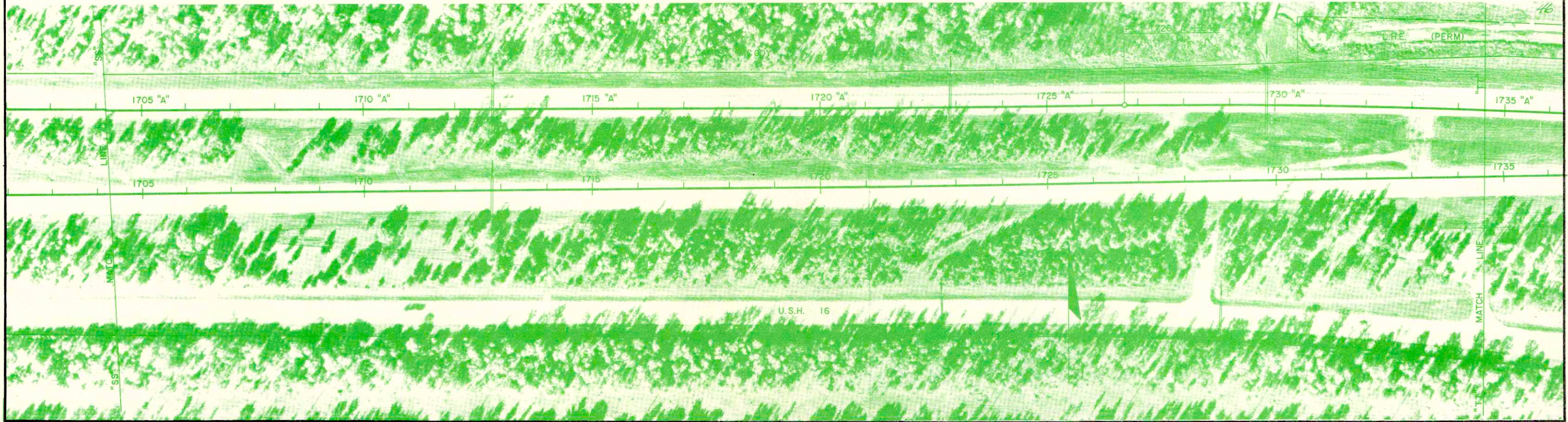
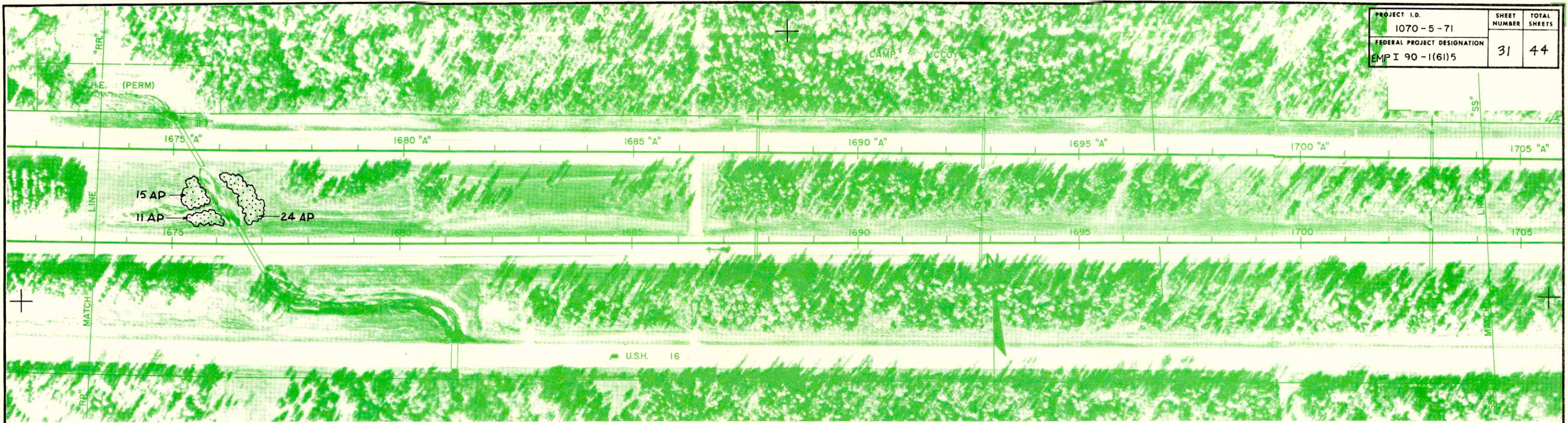


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FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				



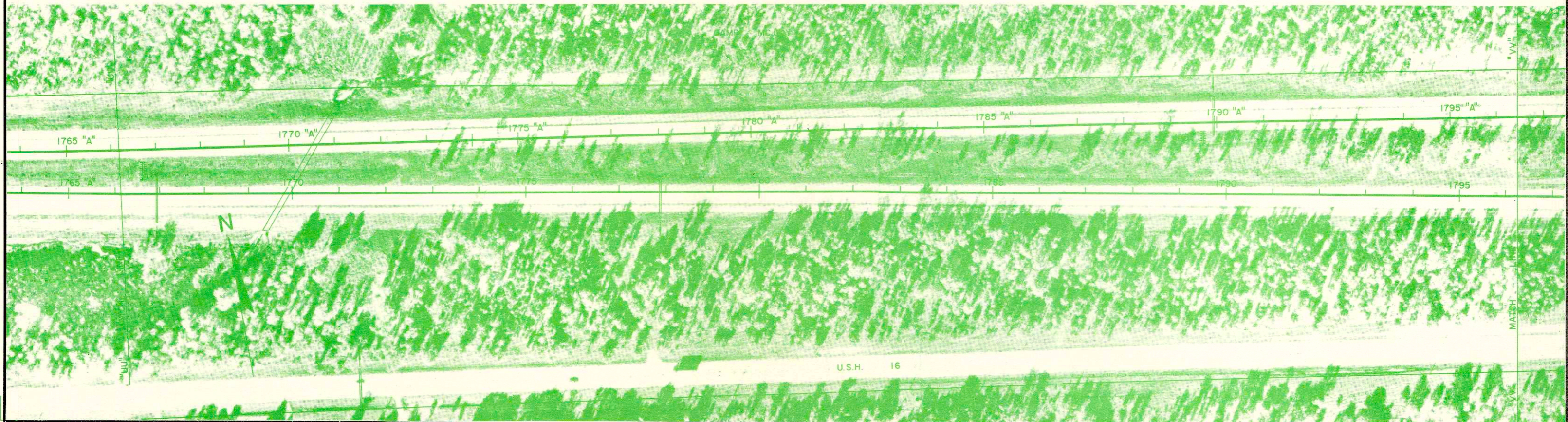
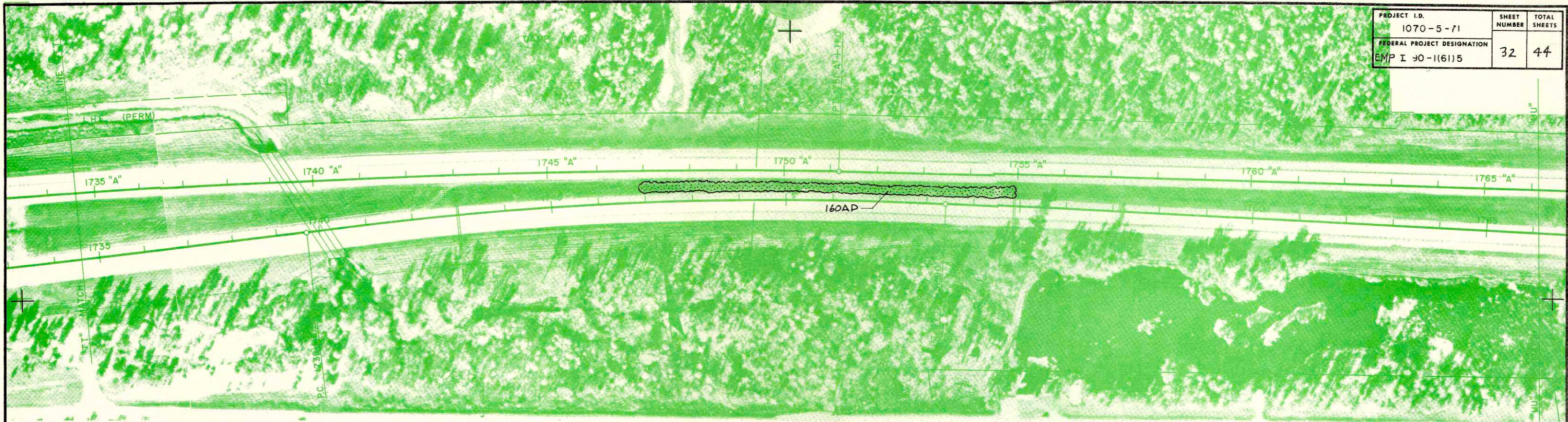


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FEDERAL PROJECT DESIGNATION	EMPI 90-1(61)5				



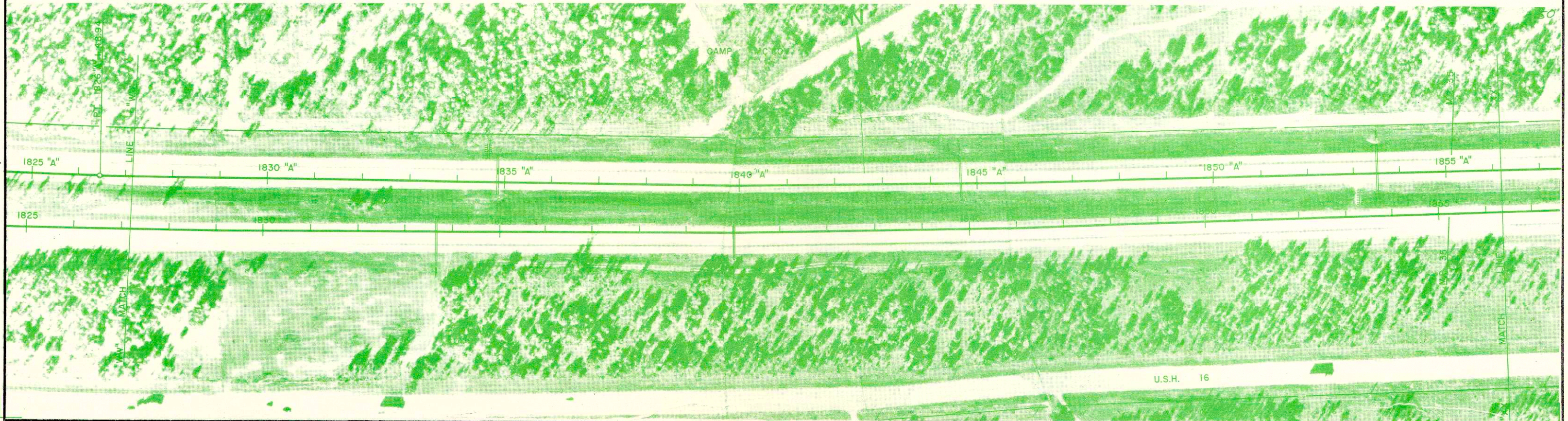
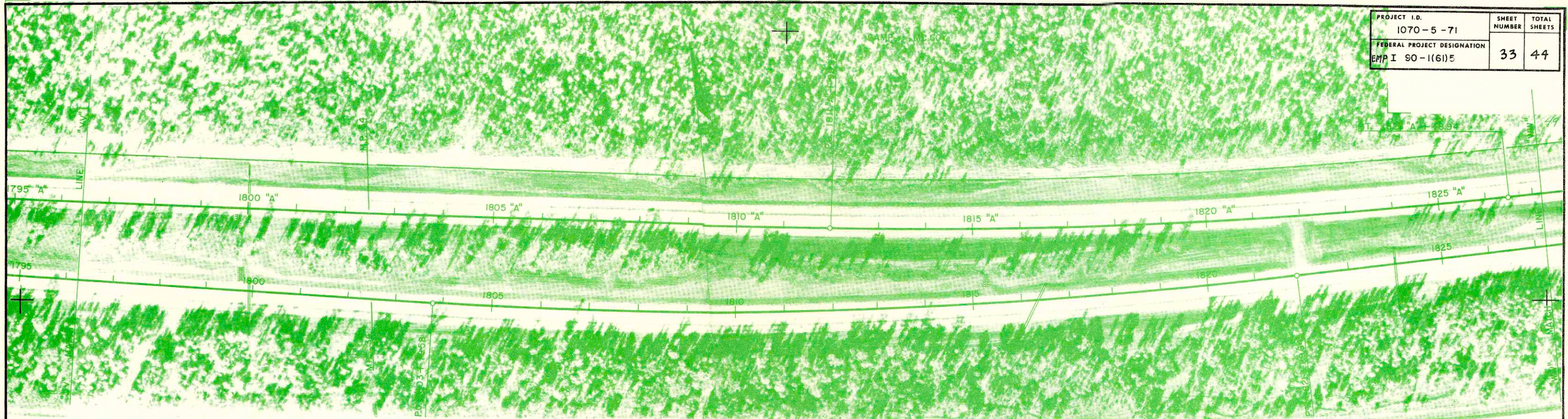


PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMP I 90-1(6)5	32	44



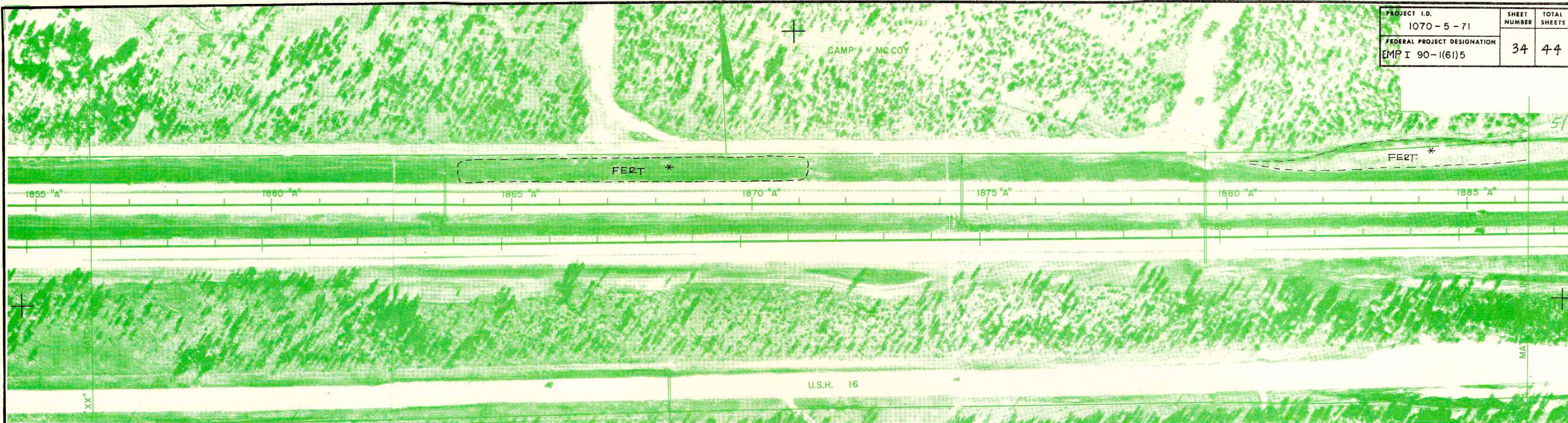


PROJECT I.D.	1070-5-71	
FEDERAL PROJECT DESIGNATION	SHEET NUMBER	TOTAL SHEETS
EMP I 90-1(6)5	33	44





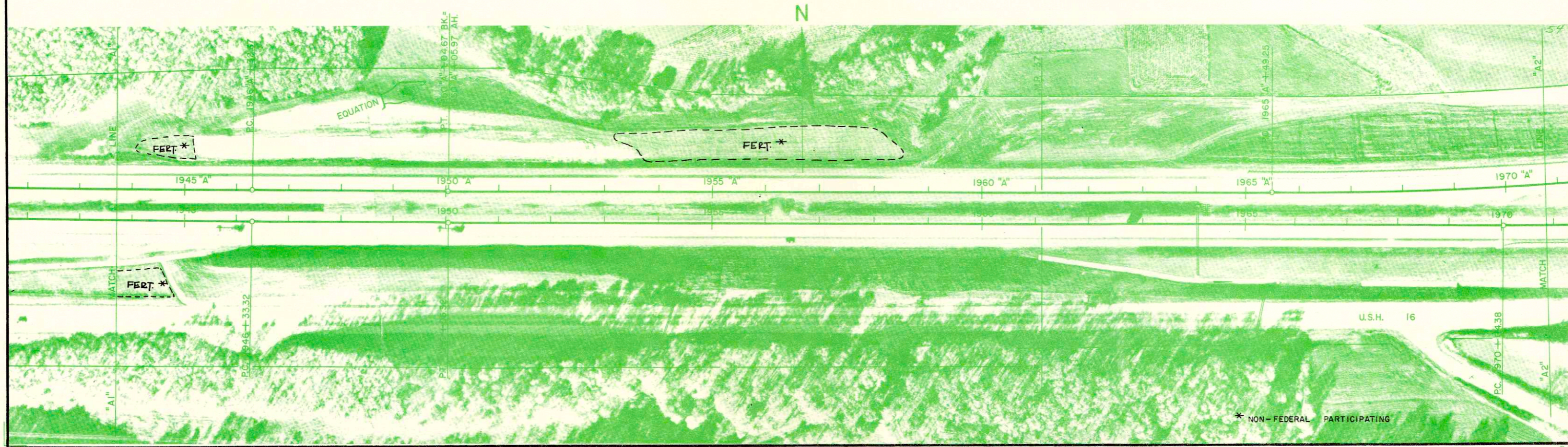
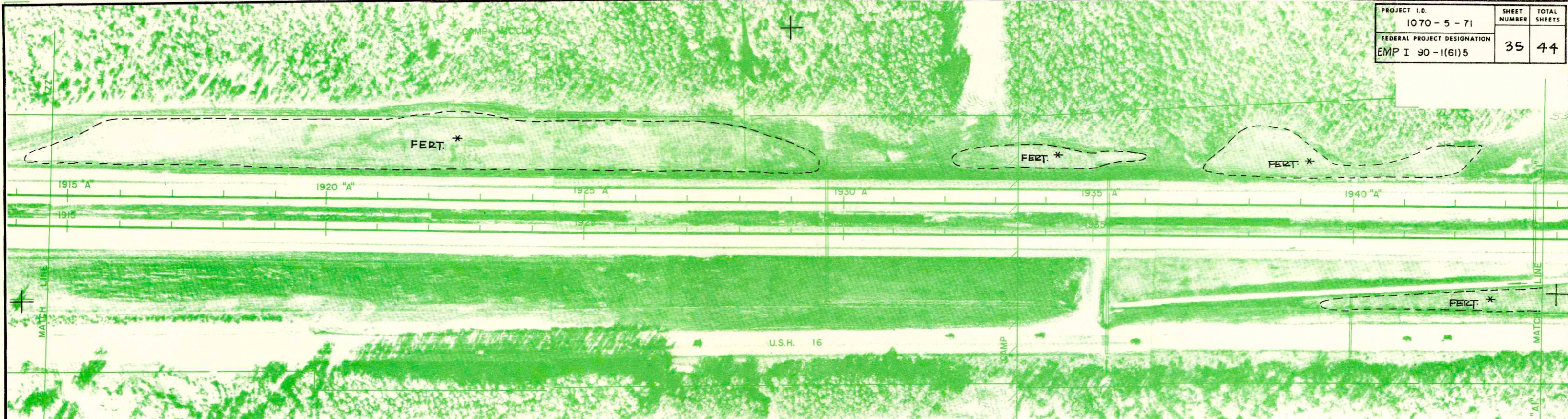
PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5	34	44



\* NON-FEDERAL PARTICIPATING



PROJECT I.D.	1070-5-71	SHEET NUMBER	35	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				



\* NON-FEDERAL PARTICIPATING



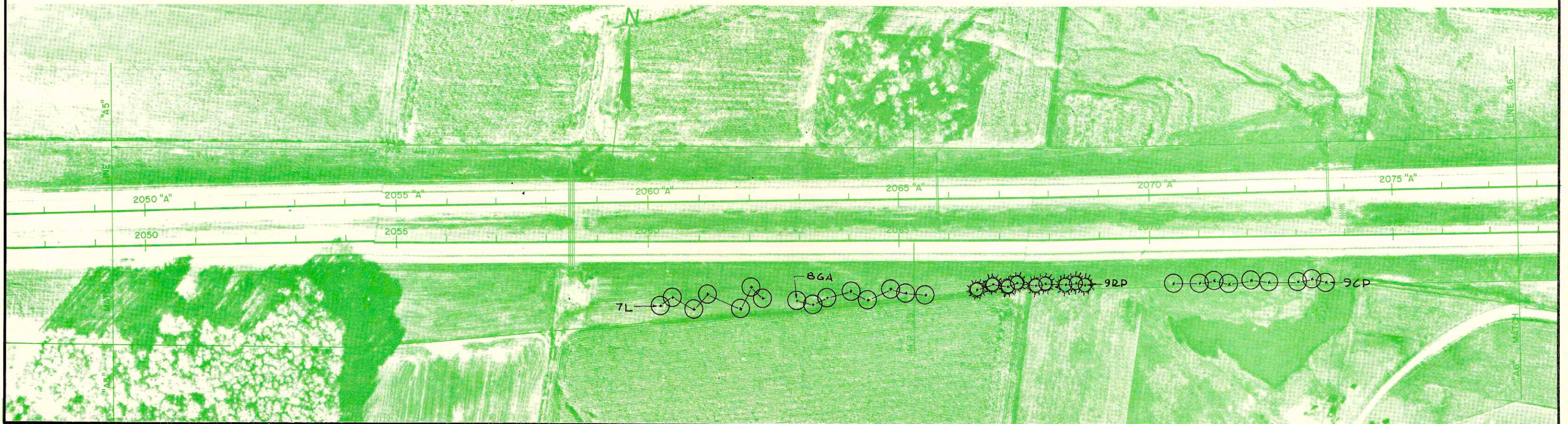
PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMP I 90-(6)5	36	44



\* NON-FEDERAL PARTICIPATING

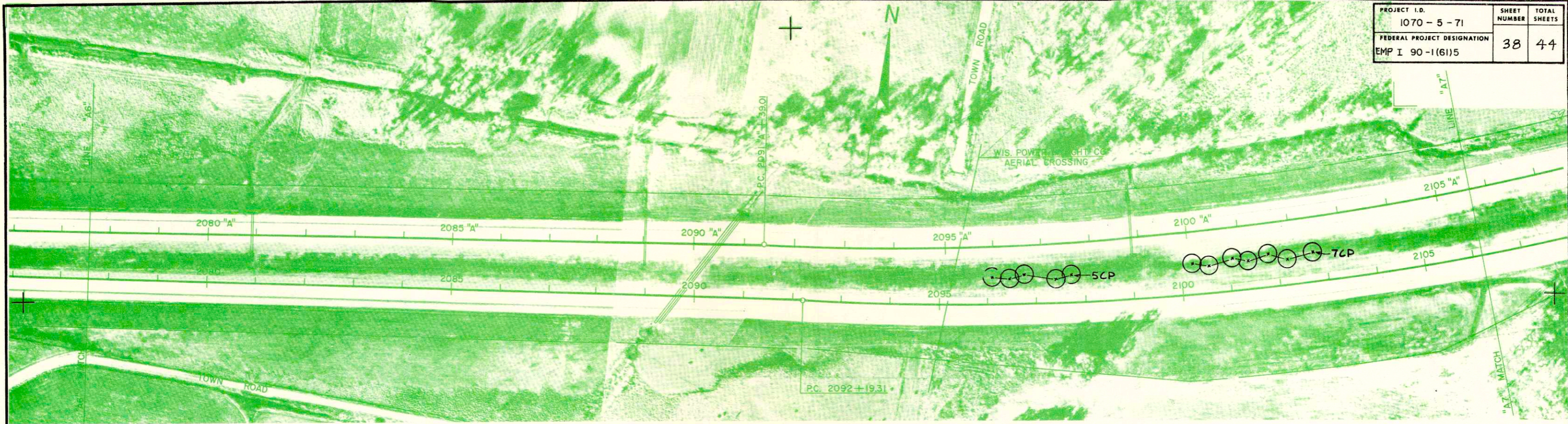


PROJECT I.D. 1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION EMP I 90-1(6)5	37	44



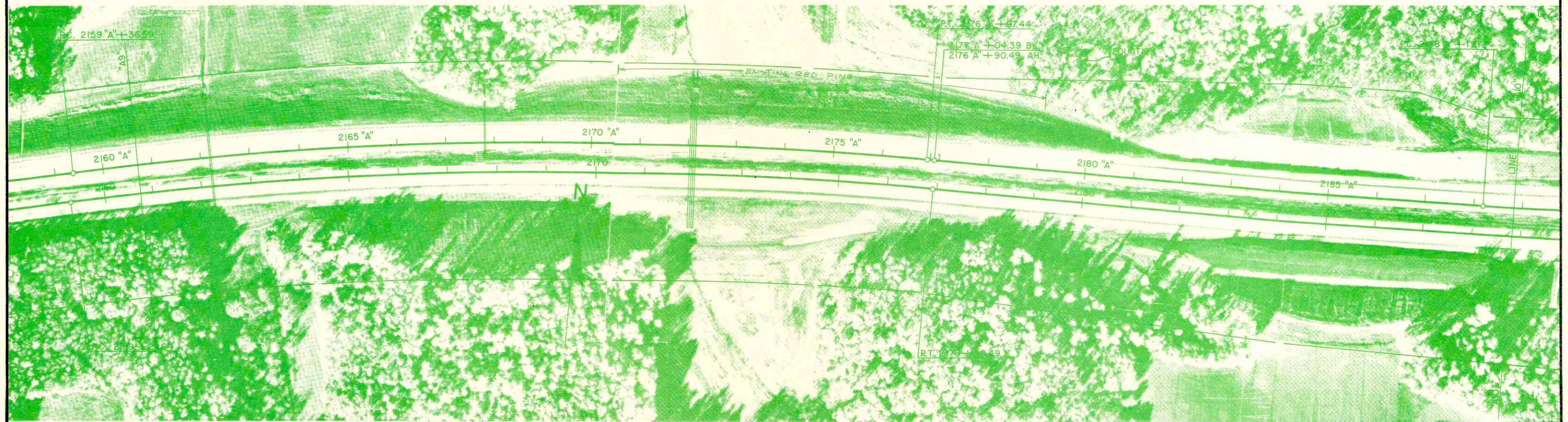


PROJECT I.D.	1070-5-71	SHEET NUMBER	38	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I 90-1(61)5				



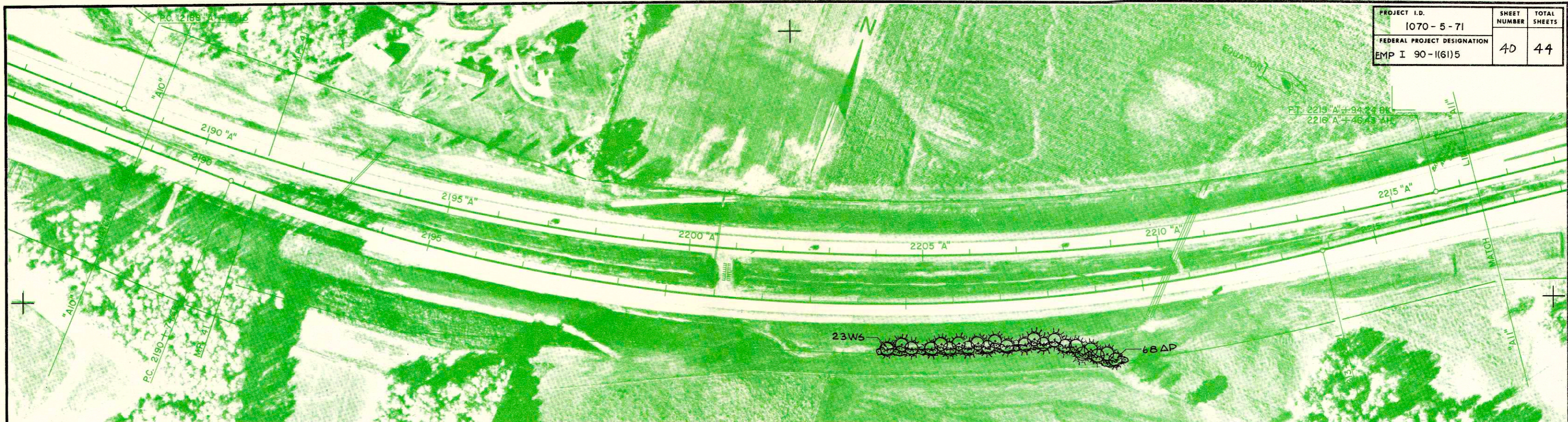


PROJECT I.D.	1070-5-71	SHEET NUMBER	39	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I -90-1(61)5				





PROJECT I.D.	1070-5-71	SHEET NUMBER	40	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMP I 90-1(6)15				



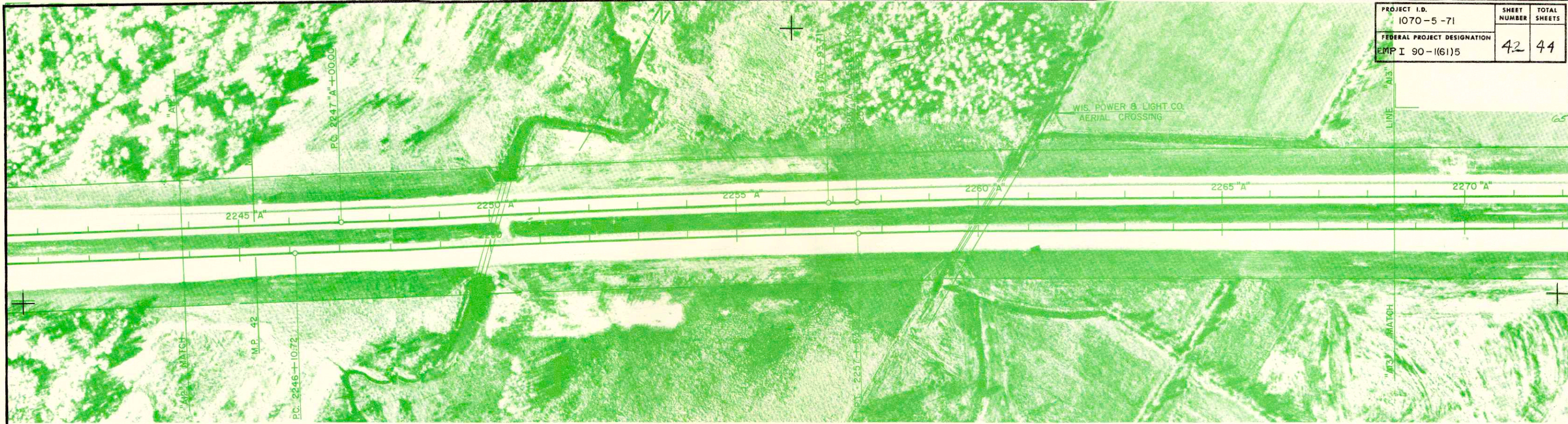


PROJECT I.D. 1070-5-71	SHEET NUMBER 41	TOTAL SHEETS 44
FEDERAL PROJECT DESIGNATION EMP I 90-1(61)5		



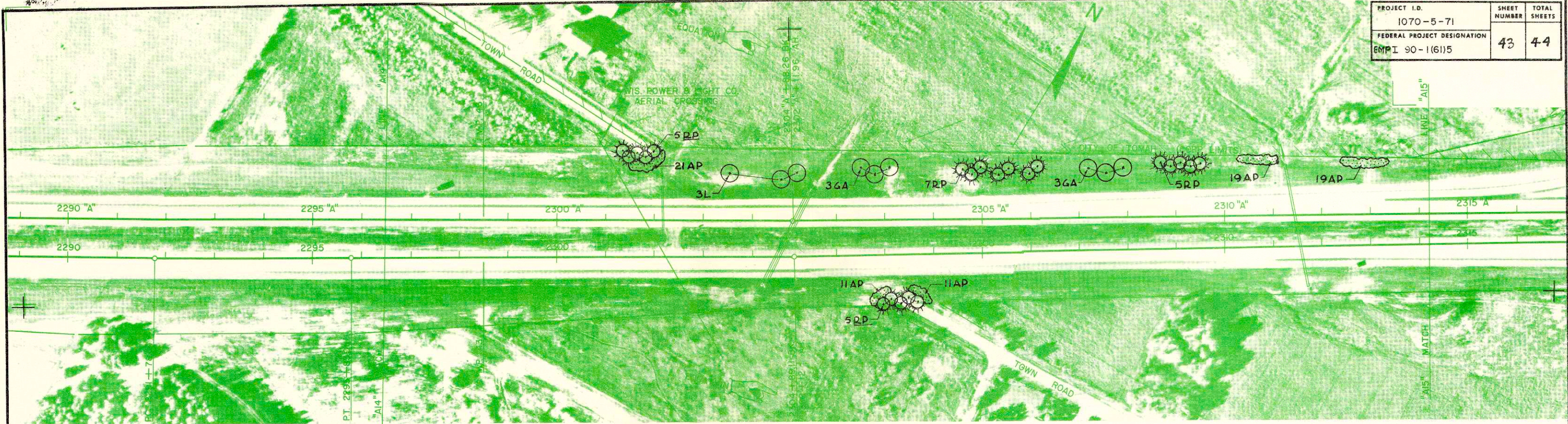


PROJECT I.D. 1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION EMF I 90-1(61)5	42	44





PROJECT I.D.	1070-5-71	SHEET NUMBER	43	TOTAL SHEETS	44
FEDERAL PROJECT DESIGNATION	EMPI 90-1(61)5				





PROJECT I.D.	1070-5-71	SHEET NUMBER	TOTAL SHEETS
FEDERAL PROJECT DESIGNATION	EMPI 90-1(61)5	44	44



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44