PART II - CHAPTER P - COMPLETION REPORT

RECORD MAPPING DEPARTMENT
MARINE BARRACKS, NEW RIVER, N. C.

- CONTENTS -

Section P-1 Introduction

P-101 At various times the Project Manager requested instructions from the Officer in Charge concerning preparation of record drawings. Notice was received that it would be necessary to prepare record drawings and it was advised that sample drawings and specifications be prepared and submitted. A preliminary scheme and approximate scope of the work was submitted by use of a sample 1"= 50' map, Quadrangle 160 G-3, G-4 and an index map M.B. Drawing No. 1174.

These were approved by the Officer in Charge, April 12, 1942, deleting the outlying areas.

P-102 The approved system was based on the following considerations and was essentally as follows:

All horizontal surveys for the New River Reservation are based on the North Carolina System of Plane Coordinates. The entire area has been divided into rectangles 10,000 feet north and south, and 15,000 feet east and west. For the purpose of basic mapping at 500' to the inch, these rectangles fit a standard Navy drawing with just sufficient room outside the limits of the rectangle for legend, notes, etc. This layout is shown on two 1:20,000 scale maps M.B. Dwg. No. 1174 and M. B. Dwg. No. 2157. These retangles are numbered in such a manner that the system may be extended in all directions in order that the 500' scale maps, and their numbering system, may also serve as a perpetual index of larger scale maps and other survey data.

For the purpose of Record Mapping of utilities, the quadrangles were subdivided further into four rectangles, to scale of 1"= 50', covering an area 1000 ft. north and south, by 1500 ft. east and west, and fitting a standard Navy sheet. These rectangles are identified in each next larger rectangle by a system of numbering, starting with No. 1 in the upper right hand corner and

running clock-wise up to and including No. 4. This method furnished an easy access to maps filed by quadrangle number.

Elevations shown are referred to mean sea level.

P- 1.03 To carry out this plan a record mapping department was created. From a letter of March 28, 1942, to Engineers, Contract NOy-4751, Subject: Record Dwgs. "It is not intended that an additional force of workmen be employed for this purpose, but that a portion of your present force will be used, as available." Signed, Madison Nichols, Officer In Charge. These instructions were carried out and men were transferred, either permanently or temporarily, from other departments. The average force in this department was 3 men.

Section P-2 Sources of information

~~Section~~ P-2.0 In view of the fact that all construction inspection was under the supervision of the Navy, we were entirely dependent upon their records for "as-built" data. This method is not the most desirable and caused considerable delay before a steady flow of information could be established. Wherever possible, the Navy notes were used as a check as well as a source of information. They served also to show where construction differed from plan; and in all cases, the work was mapped according to the "as-built" information furnished. Our own survey field notes furnished a large amount of the control for the maps, but the field work done by this organization solely for the purpose of record mapping was kept to a minimum. Where as-built field notes were not available the work was plotted as shown on the plan and verified as far as possible by a field inspection before the map was inked. When actual locations ~~larger scale maps~~ were not on hand, shore lines were transferred ~~graphically from sheets 5049 and 5050.~~ from U. S. Coast and Geodetic Survey

Compilation of Aerial Photographs, Sheets 5049 and 5050

~~Photographs by: U. S. Army Air Corps~~

~~Compilation by: U. S. Coast and Geodetic Survey~~
~~State: North Carolina~~
~~General locality: Atlantic Coast~~
~~Locality: New River and Alligator Bay to Bear Inlet~~
Time and date of photographs:
10:30 a. m., 1:30 p.m. January 29, 1933
Scale: 1:20,000 1"= 1666.67 feet

Frequent reference was also made to U.S.C. & G.S. ~~Quadrangle~~ Chart # 777 particularly during sweeping and dredging operations in New River and Courthouse Bay. All channels, markers and lights located have been shown on 1"= 500' maps.

A valuable source of information during the entire job was the aerial mosaic entitled:

Jacksonville, North Carolina
Pilot Mears, H. F. N.A.P.
Photo Edgett, M.M. P 1/c
Baran, A. P 1/c
Date: February 12, 1941
F.L. 81/4 F.56

Property maps, scale 1"= 660', by Boney and Broadfoot, Architects and Engineers at Wilmington, N. C., were also used. These maps were drawn under contract NOy-4717 prior to the Carr & J. E. Greiner Co. contract, and were not coordinated.

Section P-3 General Area Map

P-3.01 The General Area Map, M. B. Dwg. No. 138, was begun August 15, 1941 with the intent of furnishing a unified picture of all projects on the reservation. Natural features were ~~photographed~~ pantographed from Coast & Geodetic Qradrangle 777 and aerial ~~photographs~~ photographic compilations previously referred to. Site plans frequently were reduced in scale by the same method prior to tracing on this 1"= 2000' map. In many cases ~~areas~~ buildings & roads were shown on this map before construction had begun. Naturally, ~~these~~ there are inaccuracies in scale in a map so constructed and this fact was recorded on the map. However, its cost was more than repaid by its usefulness to all departments.

P-3.02 The Record Mapping Department was charged with keeping the general area map up to date. A considerable amount of information was furnished by Col. W. P. T. Hill and as various units of the Marine Corps began training on the base this map was very valuable from a military standpoint. Machine gun ranges, fire observation towers, impact areas, roads, etc. were plotted with sufficient accuracy to guide troops on maneuvers and quickly orient officers and men, thus saving valuable time and avoiding needless confusion.

The Quadrangle numbering system is also shown on this map thus tying it in with all subsequent mapping work and furnishing a key to the system for the entire reservation.

~~Section P-4~~

Section P-4 EXTRACTS FROM ~~SPECIFICATIONS~~ Not all capital letters.

~~FROM~~ SPECIFICATION NO. 1000 ~~titled~~:

"SPECIFICATIONS FOR THE PREPARATION OF RECORD DRAWINGS"

MARINE BARRACKS

NEW RIVER, NORTH CAROLINA

P-401. 3. PREPARATION & GENERAL STYLE OF DRAWINGS

Drawings generally will be divided into two groups as follows:

(a) Original Drawings: Original drawings shall be made on the best quality of white paper with muslin backing.

(b) Linen Tracings: Linen tracings shall be made on the best quality linen tracing cloth.

Unnecessary work shall be avoided. Simplicity shall be practiced in every detail in inking tracing; lines shall never be shaded; lettering shall be plain and simple, and shall be limited to the amount required for clarity in reading the drawings. Ornateness in rendering borders or other figures will not be permitted; standard north points, symbol, and title blocks shall be used.

4. SIZES OF DRAWINGS:

(a) Original drawings on muslin backed paper shall be $33\frac{1}{2}$" x $45\frac{1}{2}$" overall.

(b) Linen tracings shall be 29" x 35", overall.

Section P-5 1" = 500' scale maps

P-5.01

TABULATION OF 1" = 500' MAPS

ORIGINAL DWG. QUADRANGLE NO.	TRACING Y. & D. NO.	TRACING P.W. NO.
98 ✓	228, 331	1 ✓
118	228, 334	4
Double space →		
99 ✓	228, 332	2 ✓
119	228, 335	5 ✓
" " →		
100 ✓	228, 333	3 ✓
120	228, 336	6 ✓
" " →		
101 ×	———	—
121	228, 412	76
102 ×	———	—
122	228, 413	77
137 ×	228, 408	72
157	228, 350	20
138 ×	———	—
158	228, 419	81
139 ✓	228, 337	7 ✓
159	228, 339	9 ✓
140 ✓	228, 338	8 ✓
160	228, 340	10 ✓
142 ×	228, 409	73
162	228, 410	74
177	228, 400	70 ✓
197 ×	228, 401	71 ✓
178 ✓	———	—
198	228, 344	14 ✓
179 ✓	228, 341	11 ✓
199	228, 345	15 ✓
180 ✓	228, 342	12 ✓
200	228, 411	75
181 ✓	228, 343	13 ✓
201	228, 355	25 ✓ ✓
182 ×	228, 414	78
202	228, 415	79
217 ✓	228, 346	16 ✓
237	———	—
218 ✓	228, 347	17 ✓
238	———	———
219 ✓	228, 348	18 ✓
239	———	—
220 ✓	228, 349	19 ✓
240	———	———
221	228, 416	80
241 Total 42	———	— Total 33

6

P-502 The original drawing of 1"= 500' covers an area 20,000 north and south by 15,000 east and west, and contains the following data:

Building outline
Building numbering plan
Road right-of-way lines and approved names
Railroads
Natural features
Triangulation net
New River channel, markers, and lights

Accurate control was established for all 1"= 500' maps by means of triangulation and by coordinated traverses. Monuments set on the Reservation Boundary or in areas not covered by 1"= 50' maps were plotted accurately and coordinates tabulated. Certain boundary line courses and distances also were shown.

P-503 After the basic 500' scale maps were completed several tracing-cloth reproductions were made on ~~tracing cloth and~~ which the various departments may plot~~ed~~ their main utility layouts, resulting in small scale planning and operating maps, showing respectively the various utilities. The utilities ~~be~~ to be mapped and P.W. Nos. assigned were as follows:

UTILITY	SUFFIX TO P.W. NO.
Electrical Distribution	E
Heating, Mains and Plants	H
Street lighting, circuits	L
Sewerage Systems	S
Communications lines	T
Water Collection and Distribution	W
Propane Gas	G

(Thus a sewerage map drawn on a reproduction of P.W. Dwg. No. 10 would be numbered P.W.10-S)

Planning & operating maps ~~Key Maps~~ Prepared are as follows:

P. W. NO.	QUADRANGLE NO.	UTILITIES TO BE MAPPED
1	98	E, H, L, S, T, W,
3	100	W
4	118	E,T, W
5	119	E, L, S, T, W
6	120	E, S, W
7	139	E, L, S, T, W
8	140	E, H, S, T, W
9	159	W

P.W. NO.	QUAD. NO.	UTILITIES MAPPED
10	160	E, G, H, L, S, T, W
17	218	E, T
18	159	W

Section P-6

P-601 1"= 50' scale Maps

This phase of the work was by far the most extensive. The original authorization of this project, as instructed by the Officer in Charge, on M.B. Dwg. No. 1174, April 1942, included only the Main Division Area, Industrial Area, and Tent Camps. This ~~but~~ was ~~later~~ expanded (August 25, 1942) by the Officer in Charge, to twice the original assignment thus including the following areas: Amphibian Base, Tent Camp, Rifle Range, Mumford Point Tent Camp, and Officers Quarters Area.

P-602 The 50' scale maps constitute the basic final record of utilities and show the following data:

Outlines of buildings and other structures
Culverts and invert elevations
Bridges
Water Mains, including valves, fire hydrants, tanks, etc.
As-built elevations where such information was available
Sewers
Gas lines
Steam lines
Pole lines
Underground electric and communication lines
Gasoline and fuel oil lines and pumps
Permanent coordinated monuments and triangulation stations
Bench Marks
Areaways and pits
Wells
Storm drains
Railroad tracks, roads and sidewalks

P-603 A color scheme was selected to comply as closely with Bureau of Yards and Docks standard for operating maps as possible, diverging only where it was apparent that the standard color would not furnish satisfactory photostatic reproduction. The final scheme as set forth in Specification No. 1000, Addendum No. 1 is as follows:

Fresh Water	Blue
Salt Water	Green
Steam Mains	Orange
Sewers	Black
Propane Gas	Carmine
Fuel Oil	Carmine
Gasoline	violet
Electrical lines	Scarlet
Communications	Brown
Paved Roads and Sidewalks	Gray

P-604

TABULATION OF ~~THE~~ 1"= 50' SCALE MAPS

AREA		QUADRANGLE
Mumford Point Tent Camp	99	U-1, & U-2 ← tabulate thus
		U-3, & U-4
	119	A-3, & A-4 — double space
Amphibian Base Tent Camp	118	H-1, H-2 — " "
Residential Area	119	L-3, L-4
		Q-1, Q-2,
		Q-3, Q-4
		R-1, R-2,
		R-3, R-4,
		S-1, S-2,
		S-3, S-4
		W-1, W-2,
		X-1, X-2
		X-3, X-4
	139	D-1, D-2,
		E-3, E-4,
		J-3, J-4
		O-1, O-2
		O-3, O-4
		T-1, T-2,
		T-3, T-4 — double space
Rifle Range	198	Q-1, Q-2,
		Q-3, Q-4
		V-1, V-2,
		V-3, V-4
		W-3, W-4
	218	B-3, B-4
Balloon Barrage & Amphibian Base	219	D-1, D-2,
		E-1, E-2
		E-3, E-4
		J-1, J-2
		J-3, J-4,
		I-1, I-2
		O-1, O-2
		O-3, O-4

TABULATION OF THE 1"= 50' SCALE MAPS (Cont'd)

AREA	QUADRANGLE
	220 F-3, F-4
	K-3, K-4 double space
Tent Camps 1 & 2	98 K-1, K-2,
	K-3, K-4
	P-1, P-2
	P-3, P-4
	Q-3, Q-4
	~~V-1, V-2~~ U-1 & U-2
	~~V-3, V-4~~ U-3 & U-4
	118 A-1, A-2
	A-3, A-4 double space
Industrial Area ~~Hospital Area~~	140 ~~139~~ W-1, W-2
	W-3, W-4
	160 C-1, C-2,
	C-3, C-4
	B-1, B-2
	G-1, G-2
	H-3, H-4 " "
Regimental Area	140 P-3, P-4
	~~UV-1, V-2~~, U-1 & U-2
	~~UV-3, V-4~~ U-3 & U-4
	159 E-1, E-2
	160 A-1, A-2
	A-3, A-4
	B-3, B-4
	F-1, F-2
	F-3, F-4
	G-3, G-4
	K-1, K-2
	K-3, K-4
	L-1, L-2
	L-3, L-4
	M-3, M-4
	Q-1, Q-2
	Q-3, Q-4
	V-1, V-2 " "
Parachute Buildings	140 R-3, R-4
Landing Field	118 R-1, R-2, " "
	R-3, R-4
	S-3, S-4 " "
	Total: 79
Hospital Area	139 X-1 & X-2
	X-3 & X-4
	Y-1 & Y-2
	Y-3 & Y-4

Section P-8

P-8.01 Summary

To summarize briefly, there were completed, with due regard to status of construction and information available, the following:

1. One General Area Map tracing, 1" = 2000' (See Sect. P-3)
2. Twenty one hard copy drawings, each covering two 10,000' x 15,000' quadrangles, scale 1" = 500' (See tabulation Sect. P-4)
3. ~~Twenty~~ Thirty-~~three~~ three tracings, each covering one 10,000' x 15,000' quadrangle, scale 1" = 500' (See tabulation Sect. P-6)
4. Seventy nine hard copy drawings, each covering two 1000' x 1500' quadrangles (See tabulation Sect P-6)

Part II Chapter P - Completion Report

Record Mapping

Marine Barracks, New River, N.C.

→ CONTENTS →

Section P-1

Introduction

P-101 at various times the ~~Chief of J.E. Chamber G~~ Project Manager requested instructions from the Officer in Charge concerning preparation of record drawings. Notice was received that it would be necessary to prepare record drawings and it was advised that sample drawings and specs be prepared and submitted. A preliminary scheme and approximate scope of the work was submitted by use of a sample 1"=50' map, Quadrangle 160, G-3 & G-4 and an index map MB dwg. No. 1174. These were approved, ~~with minor revisions~~, by the Officer in Charge April 12, 1942, deleting the mapping of all outlying areas.

P-102 The approved system was based on the following considerations and was essentially as follows: All Horizontal Surveys for the New River Reservation are based on the North Carolina System of Plane Coordinates. ~~Vertical Surveys are referred to Mean Sea Level.~~ The entire area has been divided into rectangles 10,000 feet north and south, and 15,000 feet east and west. For the purpose of basic mapping at 500' to the inch, these rectangles fit a standard Navy drawing with just sufficient room outside the limits of the rectangle for legend, notes, etc. This layout ~~(west~~ is shown on two 1:20,000 scale maps MB. dwg No 1174 and MB dwg No. 2157. These rectangles ~~(were~~ are numbered in such a manner that the system may be extended in all directions in order that the 500' scale maps, and their numbering system, may also serve as a perpetual index of larger scale maps and other survey data.

For the purpose of record mapping of utilities the quadrangles were subdivided further into four rectangles, ~~each of which have a~~ to scale of 1"=50', covering an area 1000 feet north & south, by 1500 feet east and west, and fitting a standard Navy sheet. These rectangles are

identified in each next larger rectangle by a system of numbering, starting with No. 1. in the upper right hand corner and running clock-wise up to and including No 4. This method furnishes an easy access to maps filed by quadrangle number.

Elevations shown are referred to Mean Sea Level.

103 To carry out this plan a Record Mapping Department was created.

From a letter of March 28, '42 to Engineers, Contract NOy-4751, subject: Record Dwgs. "It is not intended that an additional force of workmen be employed for this purpose, but that a portion of your present force will be used, as available.", signed, Madison Nichols, Officer in Charge. These instructions were carried out and men were transferred either permanently or temporarily from other departments. The average force in this department was 3 men.

Section P-2

P-201 In view of the fact that all construction inspection was under the supervision of the Navy we were entirely dependent upon their records for "as built" data. This method is not the most desirable and caused considerable delay before a steady flow of information could be established. Wherever possible the Navy notes were used as a check as well as a source of information. They served also to show where construction differed from plan & in all

according to the "as-built" info furnished.

cases the work was mapped, ~~"as built."~~ Our own survey field notes furnished a large amount of the ~~information~~ control ~~for now on~~ the maps. but the field work done by this organization solely for the purpose of record mapping was kept to a minimum. Where as-built field notes were not available the work was plotted as shown on the plan and verified as far as possible by a field inspection before the map was inked. shore lines were transferred graphically from sheets 5049 & 5050 U.S. Coast & Geodetic Survey

Compilation of Aerial Photographs

Photographs by U.S. Army Air Corps

Compilation by U.S. Coast & Geodetic Survey

State: North Carolina

Gen. Locality: Atlantic Coast

Locality: New River & Alligator Bay to Bear Inlet

Time & date of photographs

10:30 am. - 1:30 pm. Jan 29, 1933

Scale 1:20000 1" = 1666.67 feet.

Frequent reference was also made to U.S.C. & G.S. quad. 777 particularly during sweeping and dredging operations in New River and Courthouse Bay. All channels, markers and lights have been shown on 1" = 500' maps.

A valuable source of information during the entire job was the aerial mosaic titled:

Jacksonville, N.C.

Pilot	Meare, H.F	N.A.P.
Photo	Edgett, M.M.	P 1/c
	Baran, A.	P 1/c
Date	2/12/41	
F.L	8 1/4	F. 56

Property maps, scale 1" = 660', by Boney & Broadfoot, architects & engineers of Wilmington N.C., were also used. These maps were drawn under contract NOy 4717 prior to the Carr & J.E. Greiner Co. contract, and were not coordinated.

Where larger scale maps were not on hand

Section P-3

P-301 The General Area Map, MB. dwg. No 138 was begun Aug 15, 1941. with the intent of furnishing a unified picture of all projects on the reservation. Natural features were photographed from Coast & Geodetic quadrangle 777 and aerial photographic compilations previously refered to. Site plans were frequently reduced in scale by the same method prior to tracing on this 1" = 2000' map. In many cases areas were shown on this map before construction had begun. Naturally there are inaccuracies in scale in a map so constructed and this fact was recorded on the map. However, its cost was more than repaid by its usefulness to all departments.

P-302 The Record Mapping Department ~~took~~ was charged with ~~of~~ keeping the general area map up to date. A considerable amount of information was furnished by Col. W.P.T. Hill and as various units of the Marine Corps began training on the base this map was very valuable from a military standpoint. Machine gun ranges, fire observation towers, impact areas, roads etc. were plotted with sufficient accuracy to guide troops on maneuvers and quickly orient officers and men, thus saving valuable time and avoiding needless confusion.

P-303 The Quadrangle numbering system is also shown on this map thus tying it in with all subsequent mapping work and furnishing a key to the system for the entire reservation.

Section P-4

Extracts from Specifications

From Specification No 1000 titled:

"Specifications for the Preparation of Record Drawings"

Marine Barracks

New River, North Carolina

P-401 3. PREPARATION & GENERAL STYLE OF DRAWINGS.

Drawings generally will be divided into two groups as follows:

(a) Original Drawings: Original drawings shall be made on the best quality of white paper with muslin backing.

(b) Linen Tracings: Linen tracings shall be made on the best quality linen tracing cloth.

Unnecessary work shall be avoided. .... Simplicity shall be practiced in every detail in inking tracing; lines shall never be shaded; lettering shall be plain & simple, and shall be limited to the amount required for clarity in reading the drawings. Ornateness in rendering borders or other figures will not be permitted; standard north points, symbol, and title blocks shall be used.

4. SIZES OF DRAWINGS.

(a) Original drawings on muslin backed paper shall be 33 1/2 x 45 1/2 overall.

(b) Linen tracings shall be 29" x 35", overall

Section P-5

(6)

P-501: The following ~~areas~~ Quadrangles were authorized to be mapped ~~and tracings made~~ at a scale of 1"=500'

Quadrangle No.	Tracing Y & D. No.	Tracing P.W. No.	~~Remarks~~
98	228, 331	1	✓
99	228, 332	2	✓
100	228, 333	3	✓
118	228, 334	4	✓
119	228, 335	5	✓
120	228, 336	6	✓
139	228, 337	7	✓
140	228, 338	8	✓
159	228, 339	9	✓
160	228, 340	10	✓
179	228, 341	11	✓
180	228, 342	12	✓
181	228, 343	13	✓
198	228, 344	14	✓
199	228, 345	15	✓
217	228, 346	16	✓
218	228, 347	17	✓
219	228, 348	18	✓
220	228, 349	19	✓
157	228, 350	20	~~Not traced~~ 11/23/42
201	228, 355	25	✓
177	228, 400	70	✓
197	228, 401	71	✓
137	228, 408	72	~~Not traced~~ 11/23/42
142	228, 409	73	" " "
162	228, 410	74	" " "

P-502 Accurate control was established for all 1"=500' maps by means of triangulation [redacted]s and by coordinated traverses. Monuments set on the reservation boundary or in areas not covered by 1"=50' maps were plotted accurately & coordinates tabulated. Certain boundary line courses and distances (were also) shown. (See pg 14 for addition to beginning of this ppg.)

Expand?

P-503 After the basic 500' scale maps were completed several reproductions were made on tracing cloth and the various departments ~~outlined thereon~~ plotted their main utility layouts, resulting in small scale planning and operating maps showing respectively the ~~distributing systems of the~~ various utilities. The utilities so mapped and P.W. Nos. assigned were as follows:

Utility	P.W. No. Suffix to
Electrical Distb.	E
Heating, Mains & Plants	H
Street Lighting, Circuits	L
Sewerage ~~Sewage~~ Systems	S
Communications Lines	T
Water Collection & Distribution	W
Propane Gas	G

(Thus a sewerage map drawn on a reproduction of P.W. Dwg. No 10 would be numbered P.W. 10-S)

Key maps prepared:

P.W. No.	Quad. No.	Utilities mapped
1	98	E, H, L, S, T, W
4	118	E, T, W
3	100	W
5	119	E, L, S, T, W
6	120	E, S, W
7	139	E, L, S, T, W
8	140	E, H, S, T, W
9	159	W
10	160	E, G, H, L, S, T, W
17	218	E, T

Section P-6

P-601 (See page 9)

P-602 The 50' scale maps constitute the basic final record of utilities and show the following data:

Outlines of buildings and other structures
Culverts and invert elevations
Bridges
Water Mains, including valves, fire hydrants, tanks etc.
As built elevations where such info. was available
Sewers
Gas lines
Steam lines
Pole lines
Underground electric & communication lines
Gasoline & fuel oil lines & pumps.
Permanent coordinated monuments and △ sta.
Bench Marks
Areaways and pits
Wells
Storm drains
Railroad tracks, roads & sidewalks

P-603 A color scheme was selected to comply as closely with Bureau of Yards & Docks standard for operating maps as possible, diverging only where it was apparent that the standard color would not furnish satisfactory photostatic reproduction. The final scheme as set forth in Specification No. 1000 addendum No. 1 is as follows

Fresh Water	- Blue
Salt Water	- Green
Steam Mains	- Orange
Sewers	- Black
Propane Gas	- Carmine
Fuel Oil	- Carmine

P-403 (continued)

Gasoline - Violet

Elect lines - Scarlet

Communications - Brown

Paved Roads & Sidewalks - Gray

P-601 1"=50' Scale Maps

This phase of the work was by far the most extensive. The original authorization of this project, as ~~indicated~~ instructed by ~~Commander Nichols~~ the OIC and shown on MB. Drawing No 1174, April '42, included only the Main Division Area, Industrial Area & Tent Camps but was later (Aug 25, '42), expanded by ~~Commander Williams~~ the OIC to twice the original assignment thus including the following areas: Amphibian Base & Balloon Barrage School, Landing Field, Amphibian Base Tent Camp, Rifle Range, Mumford Point Tent Camp and Officers Quarters Area. ~~The last item to extend from Wallace Creek to the northern limits of construction on Paradise Point.~~

P-604 ~~A~~ Tabulation of the 1"=50' scale maps. ~~follows:~~

Area	Quadrangles	~~Remarks~~
Mumford Point T.C.	99 U-1 & U-2, U-3 & U-4, A-3 & A-4	✓
Amphibian Base Tent Camp.	118 H-1 & H-2	✓

(1" = 50' tabulation continued)

Residential Area	119	L-3 & L-4	
		Q-1 & Q-2	
		Q-3 & Q-4	
		R-1 & R-2	
		R-3 & R-4	
		S-1 & S-2	
		S-3 & S-4	
		W-1 & W-2	✓
		X-1 & X-2	
		X-3 & X-4	
	139	D-1 & D-2	
		E-3 & E-4	
		J-3 & J-4	
		O-1 & O-2	
		O-3 & O-4	
		T-1 & T-2	
		T-3 & T-4	
Rifle Range	198	Q-1 & Q-2	
		Q-3 & Q-4	
		V-1 & V-2	✓
		V-3 & V-4	
		W-3 & W-4	
	218	B-3 & B-4	
Balloon Barrage	219	D-1 & D-2	
[redacted] & Amph.		E 1 & E-2	
Base		E 3 & E-4	
		I-1 & I-2	✓
		J-1 & J-2	
		J-3 & J-4	
		O-1 & O-2	
		O-3 & O-4	
	220	F-3 & F-4	
		K-3 & K-4	

(10)

(1" = 50' scale map tabulation continued)

Tent Camp 1 & 2	98	K-1 & K-2
		K-3 & K-4
		P-1 & P-2
		P-3 & P-4
		Q-3 & Q-4
		U-1 & U-2
		U-3 & U-4
	118	A-1 & A-2
		A-3 & A-4
Hospital Area	139	X-1 & X-2
		X-3 & X-4
		Y-1 & Y-2
		Y-3 & Y-4
[redacted] Industrial Area.	140	W-1 & W-2
		W-3 & W-4
	160	C-1 & C-2
		C-3 & C-4
		B-1 & B-2
		G-1 & G-2
		H-3 & H-4
Parachute ~~Tower~~ Bldg	140	R-3 & R-4
Regimental Area	140	P-3 & P-4
		U-1 & U-2
		U-3 & U-4
	159	E-1 & E-2
	160	A-1 & A-2
		A-3 & A-4
		B-3 & B-4
		F-1 & F-2
		F-3 & F-4
		G-3 & G-4

50

(1" = 50' map tabulation continued)

Req. Area. (cont.)	160	K-1 & K-2	
		K-3 & K-4	
		L-1 & L-2	
		L-3 & L-4	
		M-3 & M-4	
		Q-1 & Q-2	
		Q-3 & Q-4	
		V-1 & V-2	
Landing Field	118	R-1 & R-2	
		R-3 & R-4	
		S-3 & S-4	
			Total 79

Section P-8

P-801 To summarize briefly, there were completed, ~~as of~~ Oct 1, 1942, with due regard to status of construction and information available, the following maps:

1. One General Area Map 1" = 2000'
   (See Sect P-3)
2. _____ quadrangles at 1" = 500'
   (See tabulation Sect. P-4)
3. _____ tracings
   (See tabulation Sect P-4)
4. Seventy nine 1" = 50' scale maps.
   (See tabulation Sect. 6)
5. _____ sets planning & operating maps.
   1" = 500' (See tabulation Sect 5 p 503)

—11—

P.-502 (beginning)

The original drawing at 1" = 500' covers an area 20,000 north and south by 15,000' east and west, & contains the following data:

Building outline
Building numbering plan
Road right of way lines & names
Railroads
Natural features
Triangulation net.
New River channel, markers, and lights