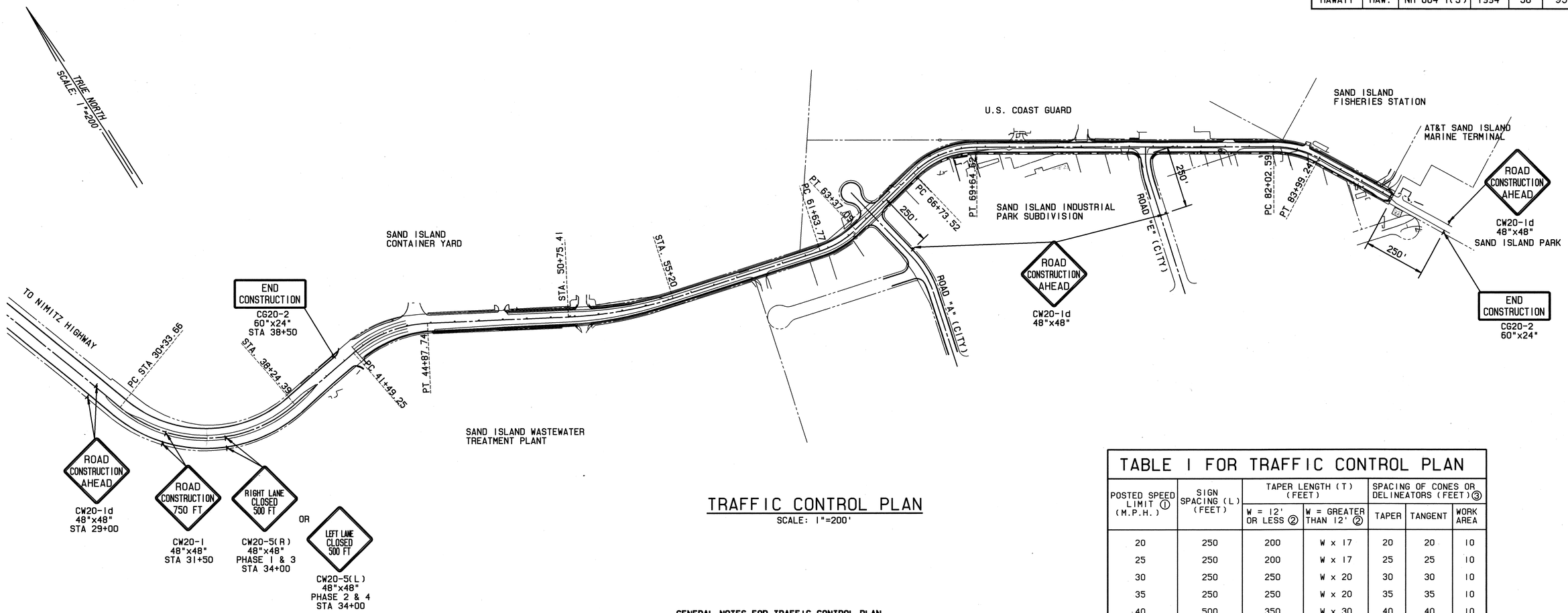
FED.ROAD DIST.NO.	STATE	FED.AID PROJ.NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	58	95



TRAFFIC CONTROL PLAN

SCALE: 1"=200'

GENERAL NOTES FOR TRAFFIC CONTROL PLAN

1. THE CONTRACTOR SHALL MAKE MINOR ADJUSTMENTS AT INTERSECTIONS, DRIVEWAYS, BRIDGES, STRUCTURES, ETC., TO FIT FIELD CONDITIONS.
2. CONES OR DELINEATORS SHALL BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
3. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED SUCH THAT THE SIGN OR DEVICE FARTHEST FROM THE WORK AREA SHALL BE PLACED FIRST. THE OTHERS SHALL THEN BE PLACED PROGRESSIVELY TOWARD THE WORK AREA.
4. REGULATORY AND WARNING SIGNS WITHIN THE CONSTRUCTION ZONE THAT ARE IN CONFLICT WITH THE TRAFFIC CONTROL PLANS SHALL BE REMOVED OR COVERED. ALL SIGNS SHALL BE RESTORED UPON COMPLETION OF THE WORK.
5. FLAGGERS AND/OR POLICE OFFICERS SHALL BE IN SIGHT OF EACH OTHER OR IN DIRECT COMMUNICATION AT ALL TIMES.
6. SIGN SPACINGS (I), TAPER LENGTHS (T) AND SPACINGS OF CONES OR DELINEATORS SHALL BE AS SHOWN IN TABLE I, UNLESS OTHERWISE NOTED ON THE TRAFFIC CONTROL PLANS.
7. ALL TRAFFIC LANES SHALL BE A MINIMUM OF 10 FEET WIDE.
8. ALL CONSTRUCTION WARNING SIGNS SHALL BE PROMPTLY REMOVED OR COVERED WHENEVER THE MESSAGE IS NOT APPLICABLE OR NOT IN USE.
9. AT THE END OF EACH DAY'S WORK OR AS SOON AS THE WORK IS COMPLETED, THE PERMITTEE SHALL REMOVE ALL TRAFFIC CONTROL DEVICES NO LONGER NEEDED TO PERMIT FREE AND SAFE PASSAGE OF PUBLIC TRAFFIC. REMOVAL SHALL BE IN THE REVERSE ORDER OF INSTALLATION.
10. REPLACE PERMANENT PAVEMENT MARKINGS AND TRAFFIC SIGNS UPON COMPLETION OF EACH PHASE OF WORK.

TABLE I FOR TRAFFIC CONTROL PLAN

POSTED SPEED LIMIT ① (M.P.H.)	SIGN SPACING (I) (FEET)	TAPER LENGTH (T) (FEET)		SPACING OF CONES OR DELINEATORS (FEET) ③		
		W = 12' OR LESS ②	W = GREATER THAN 12' ②	TAPER	TANGENT	WORK AREA
20	250	200	W x 17	20	20	10
25	250	200	W x 17	25	25	10
30	250	250	W x 20	30	30	10
35	250	250	W x 20	35	35	10
40	500	350	W x 30	40	40	10
45	500	550	W x 45	45	45	10
50	1000	600	W x 50	50	50	10
55	1000	700	W x 55	55	55	10

NOTES:

① USE ADVISORY SPEEDS WHEN POSTED

② W = WIDTH OF LANE OR OFFSET

③ NOT APPLICABLE FOR TWO LANE HIGHWAYS

GRAPHIC SCALE
200' 0 200' 400'
1"=200'

APPROVED:
(FOR CONSTRUCTION WITHIN CITY R/W ONLY)

M. Ostho 8/5/93
CHIEF, TRAFFIC ENGINEERING DIVISION, DEPARTMENT OF TRANSPORTATION SERVICES, CITY & COUNTY OF HONOLULU — DATE

CONRAD T. SHIROMA
REGISTERED PROFESSIONAL ENGINEER
No. 4324-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
CALVIN KIM & ASSOC., INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TRAFFIC CONTROL PLAN

SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJ. NO. NH-064-1(5)

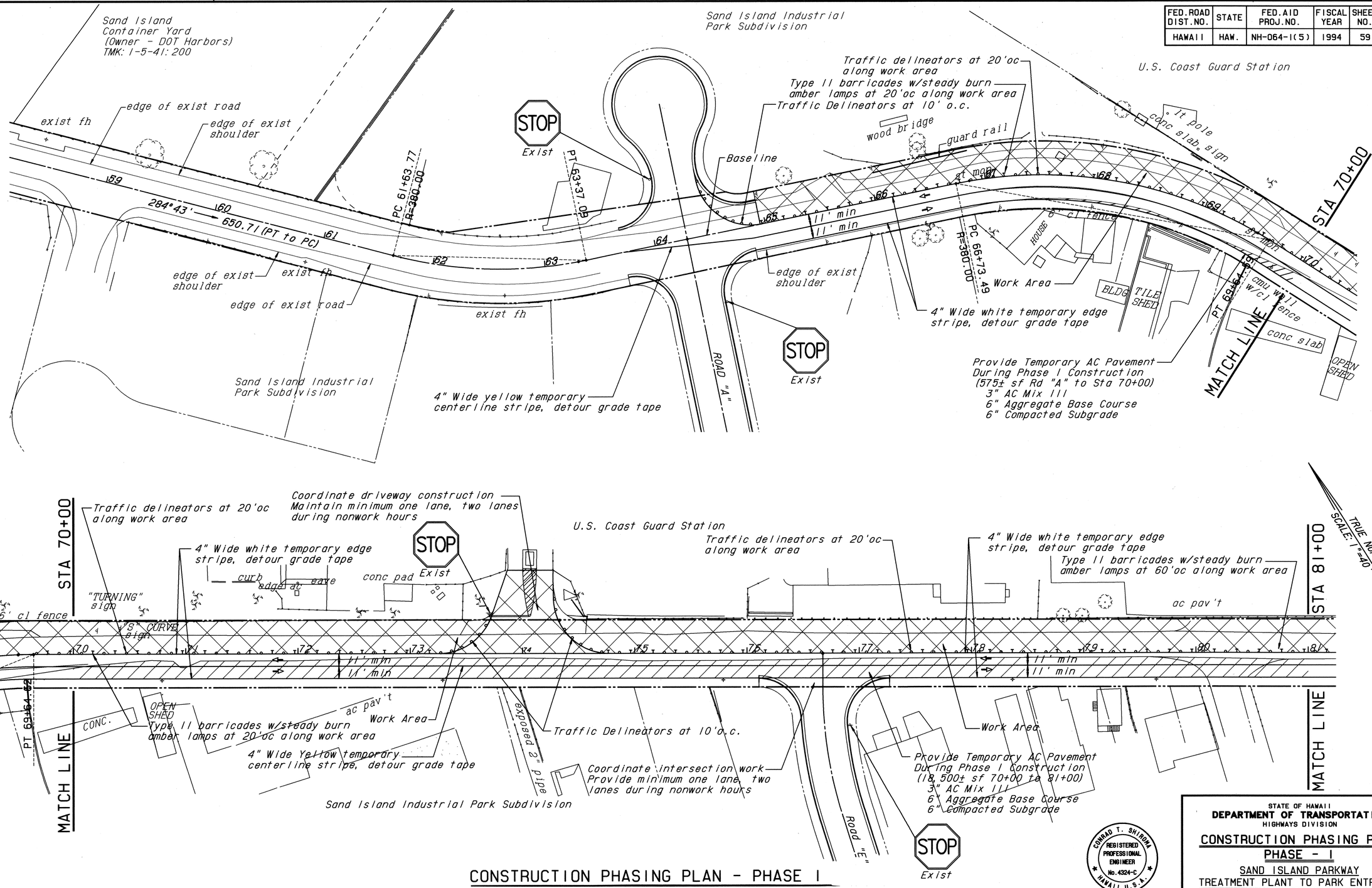
DATE: SEPT 1993
SCALE: 1"= 200'

SHEET No. 11 OF 14 SHEETS

58

ORIGINAL PLAN
NOTEBOOK No. ____
SURVEY PLOTTED BY ____ DATE ____
DRAWN BY " " "
TRACED BY " " "
DESIGNED BY " " "
QUANTITIES BY " " "
CHECKED BY " " "

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	59	95



CONSTRUCTION PHASING PLAN - PHASE I

SCALE: 1"=40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
NOTEBOOK	TRACED BY	"
	DESIGNED BY	"
No.	QUANTITIES BY	"
	CHECKED BY	"

CONRAD T. SHIROMA REGISTERED PROFESSIONAL ENGINEER No. 4324-C HAWAII, U.S.A.

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CALVIN KIM & ASSOC., INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN PHASE - I

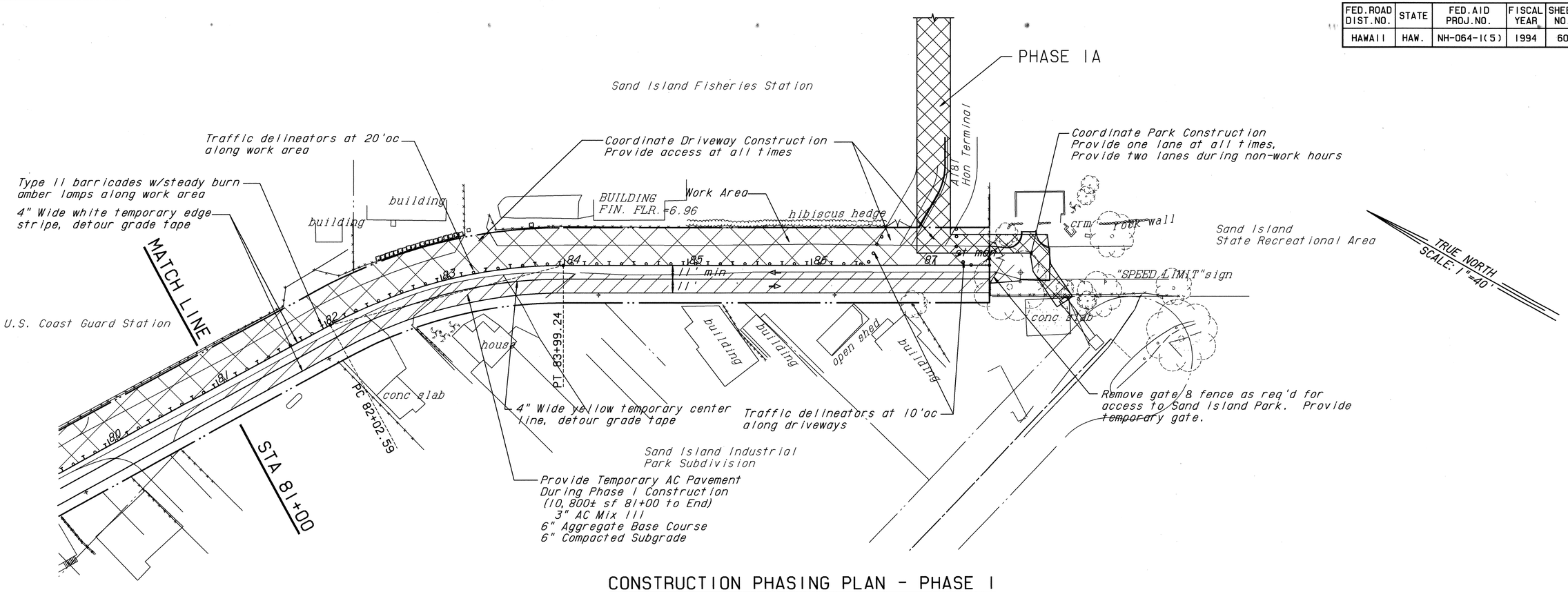
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJ. NO. NH-064-1(5)

SCALE: 1"= 40' DATE: SEPT 1993

SHEET No. T2 OF 14 SHEETS

59

FED.ROAD DIST.NO.	STATE	FED.AID PROJ.NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	60	95



CONSTRUCTION PHASING PLAN - PHASE I

SCALE: 1"=40'

CONSTRUCTION NOTES:

1. THE EXISTING CHAIN LINK FENCE AROUND AND CHAIN LINK GATE TO THE SAND ISLAND FISHERIES STATION SHALL BE SECURED DURING NON-WORKING HOURS. THE CONTRACTOR SHALL MAKE WHATEVER PROVISIONS NECESSARY TO REESTABLISH THE SECURITY OF THE FISHERIES STATION IN THE EVENT THAT THE EXISTING GATE AND/OR FENCING IS REMOVED OR DISTURBED BY THE CONTRACTOR'S ACTIVITIES RESULTING FROM ANY TYPE OF CONSTRUCTION.

   TEMPORARY SECURITY MEASURES, IF REQUIRED, SHALL BE INSTALLED AND MAINTAINED TO THE SATISFACTION OF THE STATE DEPARTMENT OF LAND AND NATURAL RESOURCES, ANUENUE FISHERIES RESEARCH CENTER.

2. THE EXISTING GATE TO THE SAND ISLAND STATE RECREATIONAL AREA (SAND ISLAND PARK) SHALL BE SECURED DURING THE HOURS POSTED AT THE PARK ENTRANCE. THE CONTRACTOR SHALL TAKE WHATEVER MEASURES NECESSARY TO SECURE THE PARK ENTRANCE IN THE EVENT THAT HIS CONSTRUCTION ACTIVITIES REQUIRE REMOVAL OR DISTURBANCE OF THE EXISTING GATE AND/OR ADJOINING CHAIN LINK FENCE.

   TEMPORARY SECURITY MEASURES, IF REQUIRED, SHALL BAR (AND ALLOW) PUBLIC ACCESS TO THE PARK ACCORDING TO THE HOURS POSTED AT THE PARK ENTRANCE AND SHALL BE INSTALLED, MAINTAINED, PLACED AND REMOVED TO THE SATISFACTION OF THE STATE DEPARTMENT OF LAND AND NATURAL RESOURCES, STATE PARKS DIVISION.

PHASING NOTES:

PHASE IA CONSTRUCTION SHALL CONSIST OF INSTALL OF DRAINLINE "CX" FROM THE HONOLULU HARBOR OUTLET UP TO AND INCLUDING CONNECTION TO THE 72" DRAIN PIPE INSTALLED UNDER "SAND ISLAND INDUSTRIAL PARK" SUBDIVISION, PLANS BY COMMUNITY PLANNING, INC. WHICH IS CURRENTLY UNDER CONSTRUCTION. PHASE IA WORK SHALL BE COMPLETED WITHIN 120 CALENDER DAYS FROM THE NOTICE TO PROCEED DATE.

THE BALANCE OF WORK IN PHASE I SHALL BE CONSIDERED AS PHASE IB AND WORK SHALL PROCEED CONCURRENTLY WITH PHASE IA CONSTRUCTION AS EQUIPMENT AND MATERIAL BECOME AVAILABLE. EMPHASIS FOR PHASE I WORK SHALL BE ON THE COMPLETION OF DRAINLINE "CX".

ORIGINAL PLAN
NOTEBOOK No.
SURVEY PLOTTED BY DATE
DRAWN BY
TRACED BY
DESIGNED BY
QUANTITIES BY
CHECKED BY

CONRAD T. SHIROMA REGISTERED PROFESSIONAL ENGINEER No. 4324-C HAWAII, U.S.A.

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CALVIN KIM & ASSOC., INC.

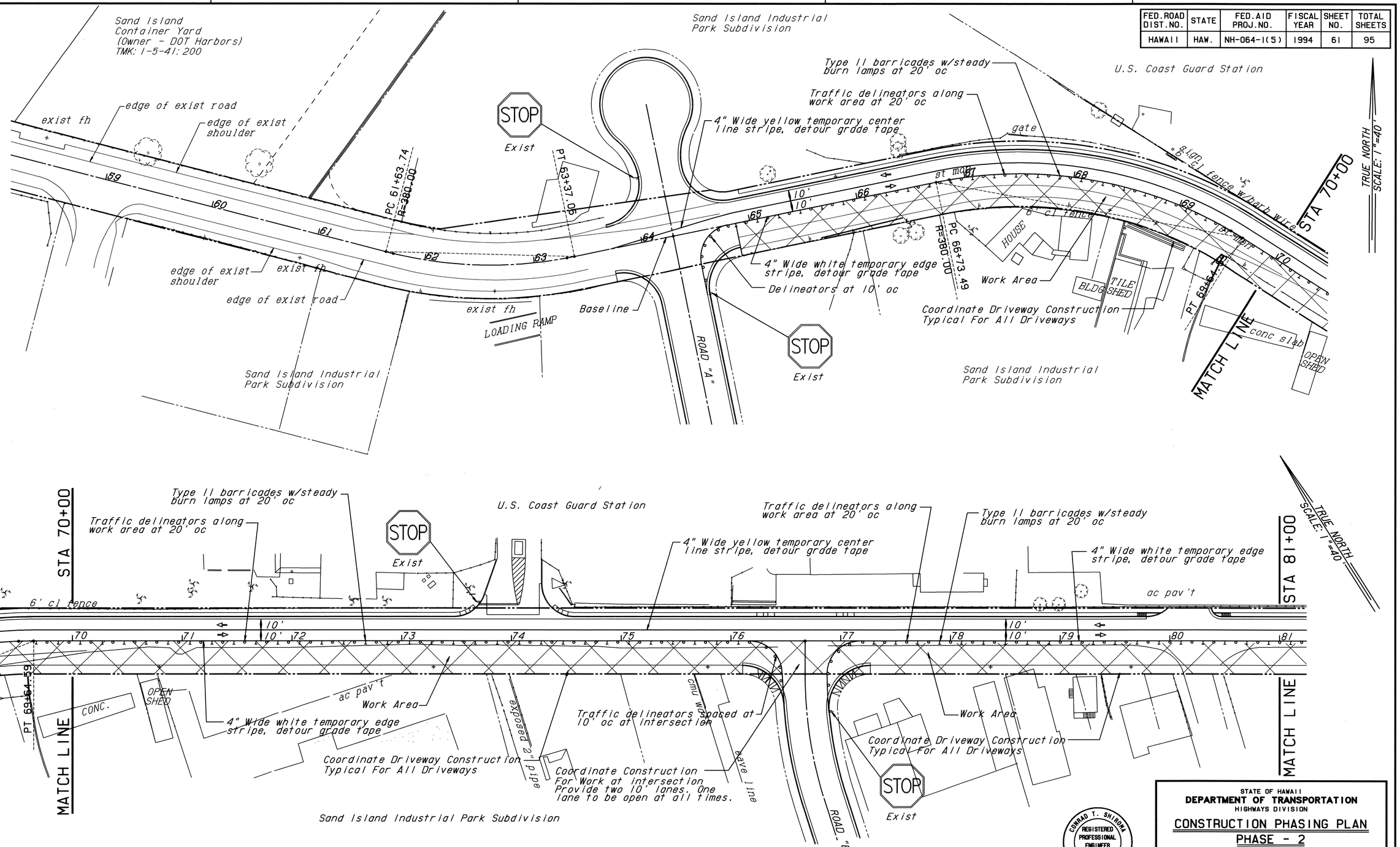
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN
PHASE - I
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJ. NO. NH-064-1(5)

SCALE: 1"= 40' DATE: SEPT 1993

SHEET No. T3 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	61	95



CONSTRUCTION PHASING PLAN - PHASE 2

SCALE: 1"=40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
	DRAWN BY	"
NOTEBOOK	TRACED BY	"
No.	DESIGNED BY	"
	QUANTITIES BY	
	CHECKED BY	

CONRAD T. SHIRDA
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No. 4324-C
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CALVIN KIM & ASSOC., INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN
PHASE - 2
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJ. NO. NH-064-1(5)

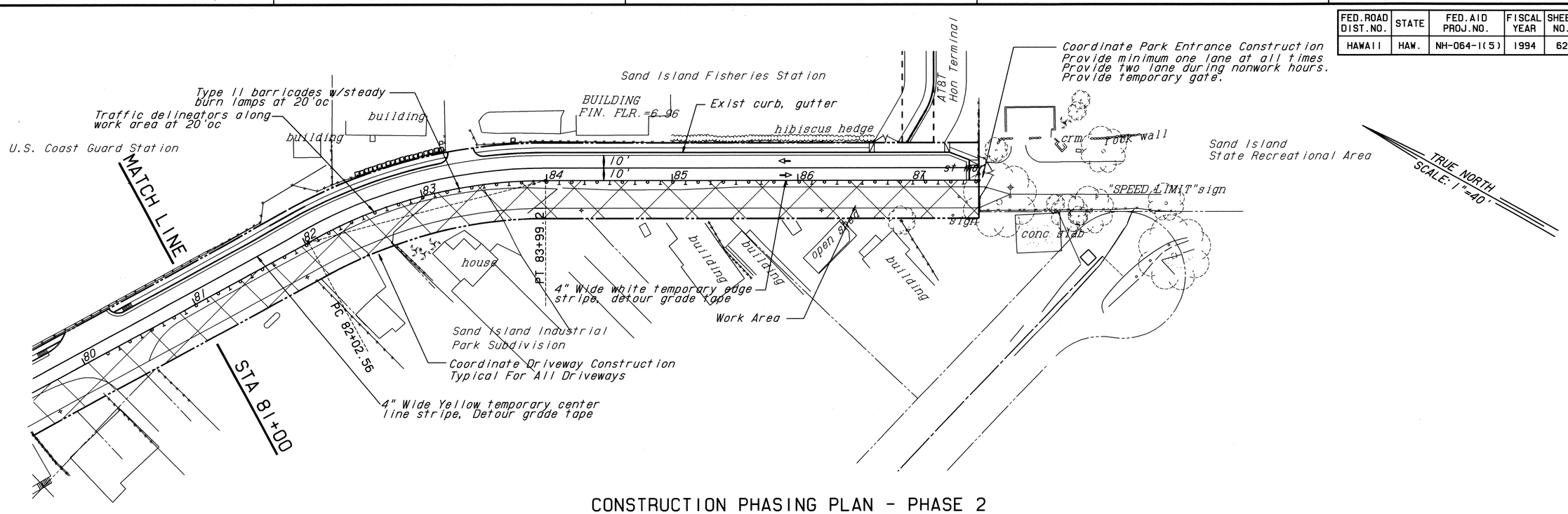
SCALE: 1"= 40' DATE: SEPT 1993

SHEET No. T4 OF 14 SHEETS

61

61

FED.ROAD DIST.NO.	STATE	FED.AID PROJ.NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	62	95



CONSTRUCTION PHASING PLAN - PHASE 2

SCALE: 1"=40'

ORIGINAL PLAN
NOTEBOOK No.____

SURVEY PLOTTED BY ____ DATE
DRAWN BY " "
TRACED BY " "
DESIGNED BY " "
QUANTITIES BY " "
CHECKED BY

CONRAD T. SHIROMA
REGISTERED PROFESSIONAL ENGINEER
No. 4324-C
HAWAII, U.S.A.

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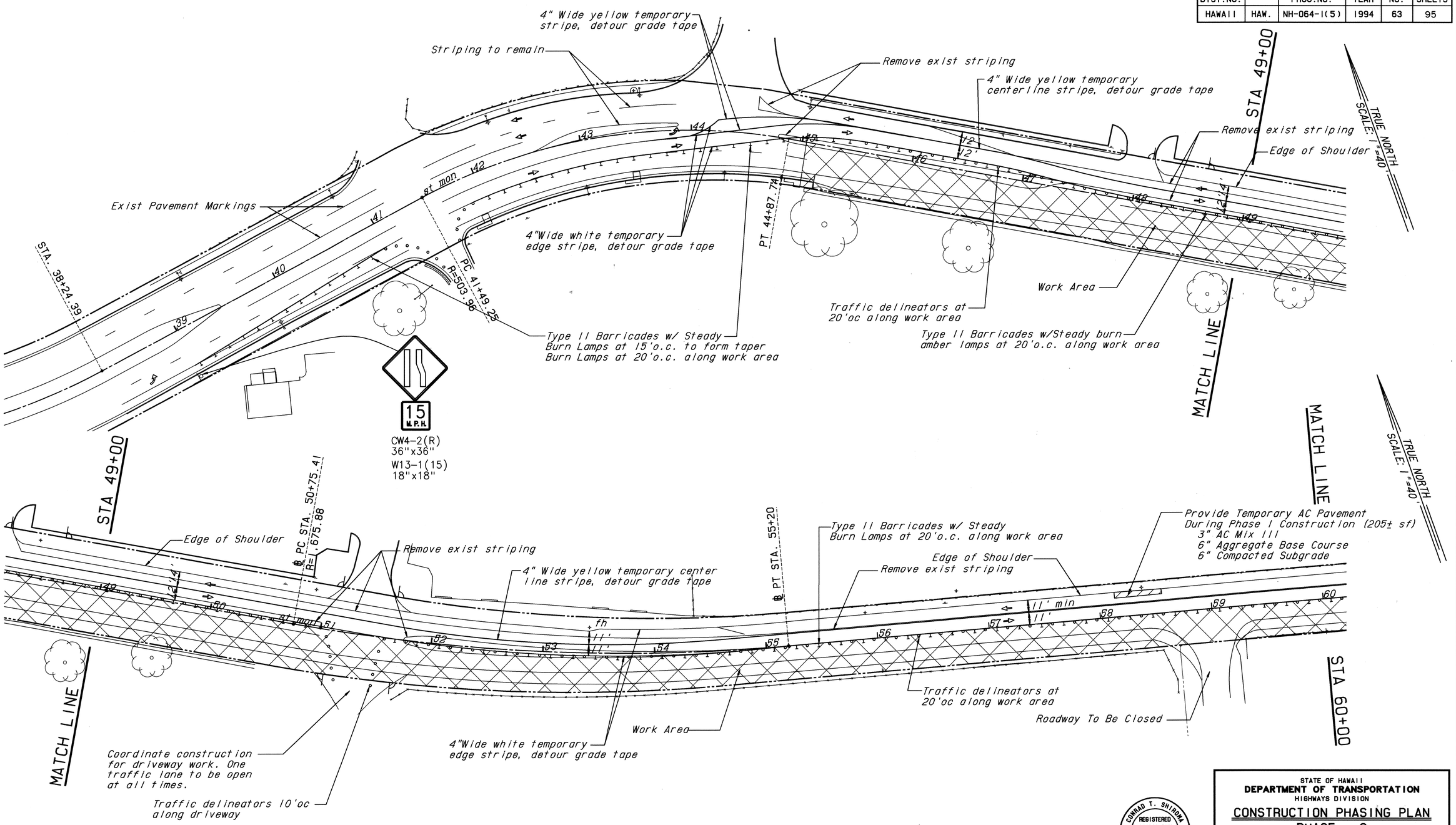
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN
PHASE - 2
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJ. NO. NH-064-1(5)

SCALE: 1"= 40' DATE: SEPT 1993

SHEET No. 15 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	63	95



CONSTRUCTION PHASING PLAN - PHASE 3

SCALE: 1"=40'

ORIGINAL PLAN | NOTEBOOK No. | SURVEY PLOTTED BY | DRAWN BY | TRACED BY | DESIGNED BY | QUANTITIES BY | CHECKED BY | DATE

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CALVIN KIM & ASSOC., INC.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

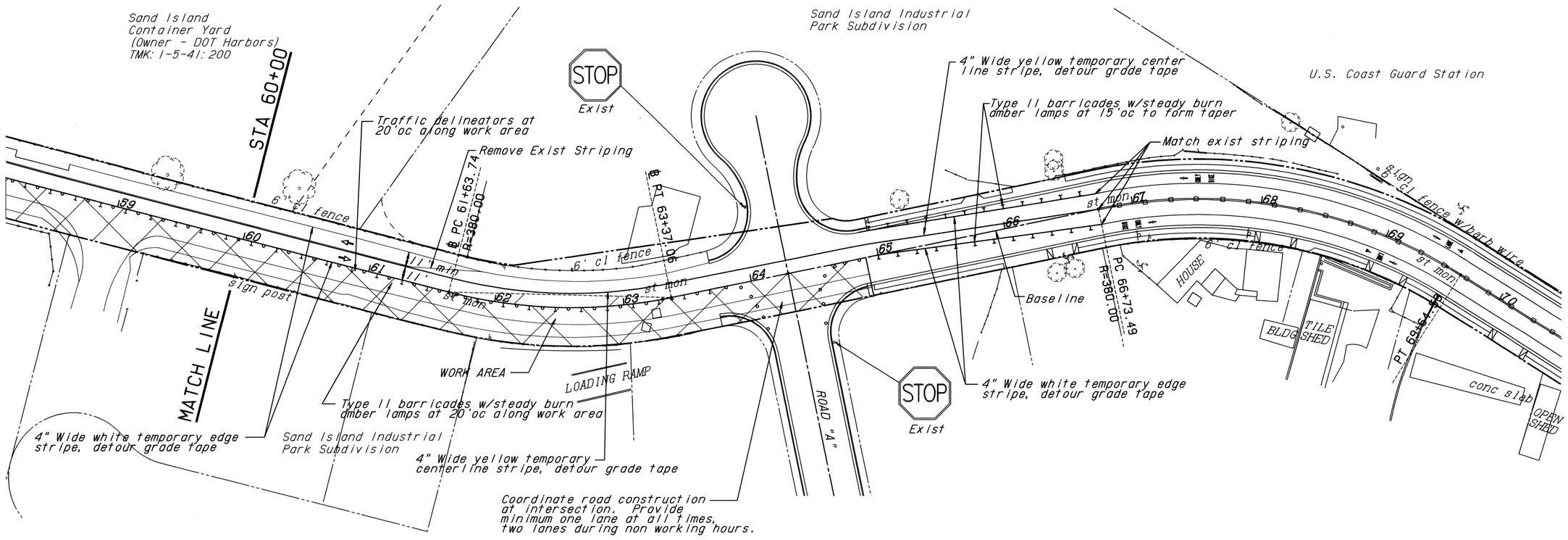
CONSTRUCTION PHASING PLAN
PHASE - 3
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJ. NO. NH-064-1(5)

SCALE: 1"= 40' DATE: SEPT 1993

SHEET No. T6 OF 14 SHEETS

63

FED.ROAD DIST.NO.	STATE	FED.AID PROJ.NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	64	95



CONSTRUCTION PHASING PLAN - PHASE 3

SCALE: 1"=40'

ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTEBOOK	DRAWN BY	
No.	TRACED BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	

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STATE OF HAWAII
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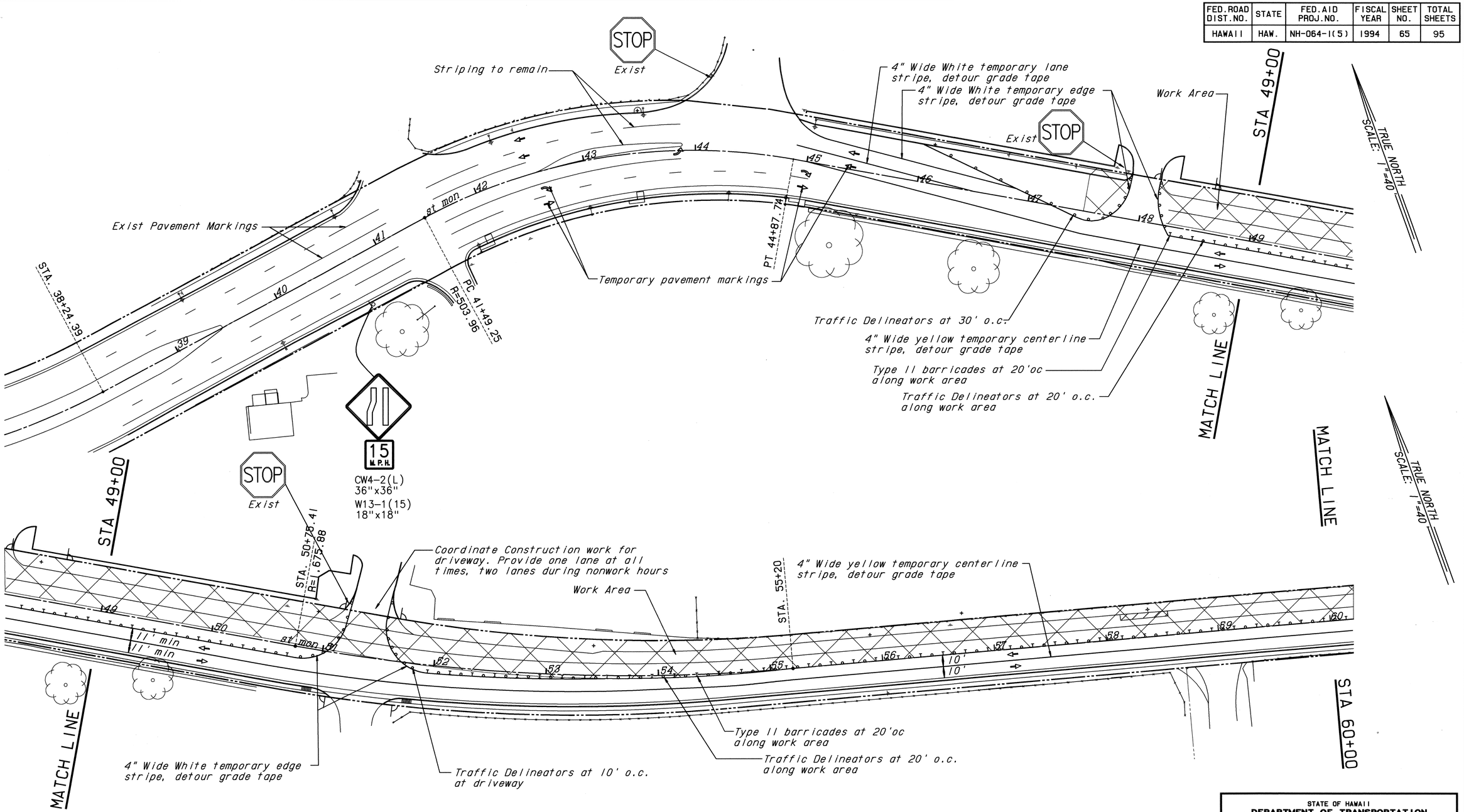
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN
PHASE - 3
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJ. NO. NH-064-1(5)

SCALE: 1"= 40' DATE: SEPT 1993

SHEET No. 17 OF 14 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	65	95



CONSTRUCTION PHASING PLAN - PHASE 4

SCALE: 1"=40'

ORIGINAL PLAN

SURVEY PLOTTED BY _____ DATE
DRAWN BY _____
TRACED BY _____
DESIGNED BY _____
QUANTITIES BY _____
CHECKED BY _____

NOTEBOOK _____
No. _____

COMRAD T. SHIROMA
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No. 4324-C
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CALVIN KIM & ASSOC., INC.

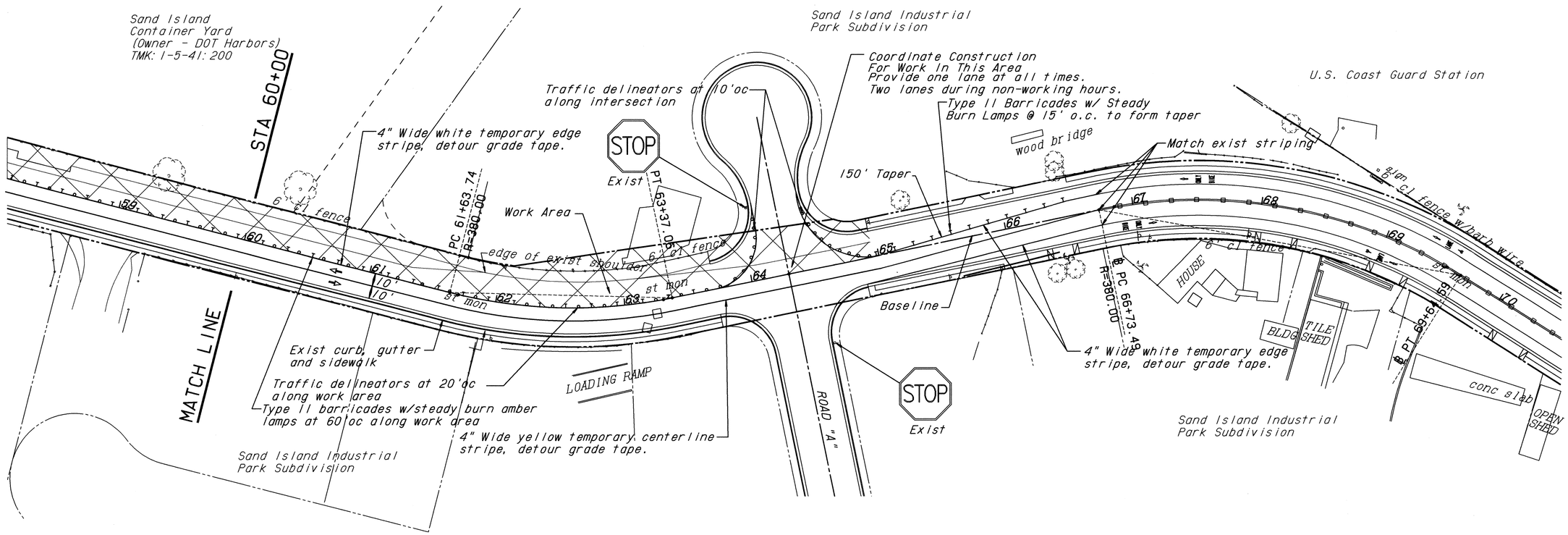
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

CONSTRUCTION PHASING PLAN
PHASE - 4
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJ. NO. NH-064-1(5)

SCALE: 1"= 40' DATE: SEPT 1993

SHEET No. T8 OF 14 SHEETS

FED.ROAD DIST.NO.	STATE	FED.AID PROJ.NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	66	95



CONSTRUCTION PHASING PLAN - PHASE 4

SCALE: 1"=40'

ORIGINAL PLAN	SURVEY PLOTTED BY ____ DATE
	DRAWN BY "
NOTEBOOK	TRACED BY "
	DESIGNED BY "
No.____	QUANTITIES BY "
	CHECKED BY "

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CONSTRUCTION PHASING PLAN
PHASE - 4
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJ. NO. NH-064-1(5)

SCALE: 1"= 40' DATE: SEPT 1993

SHEET No. 19 OF 14 SHEETS

66