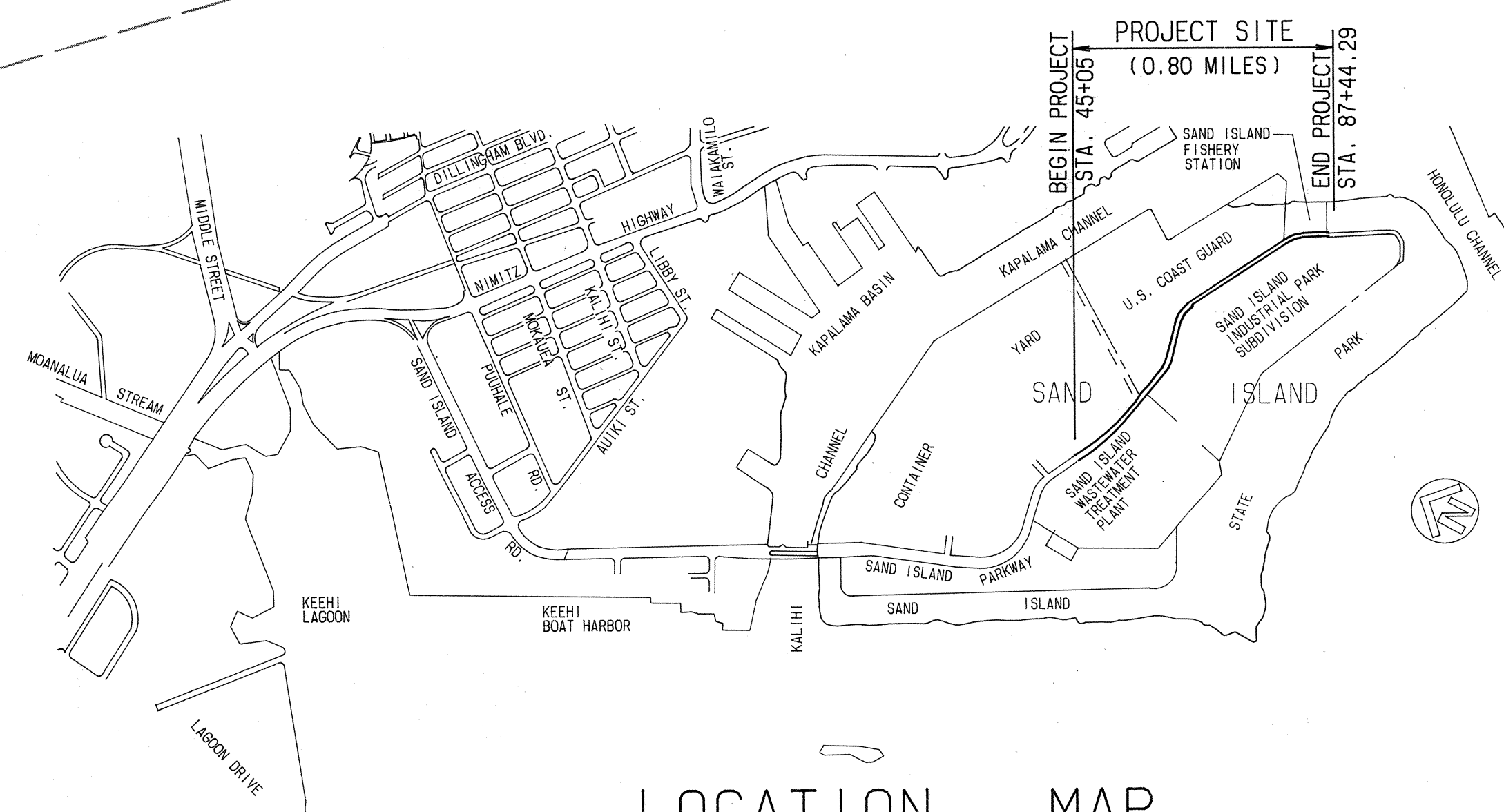
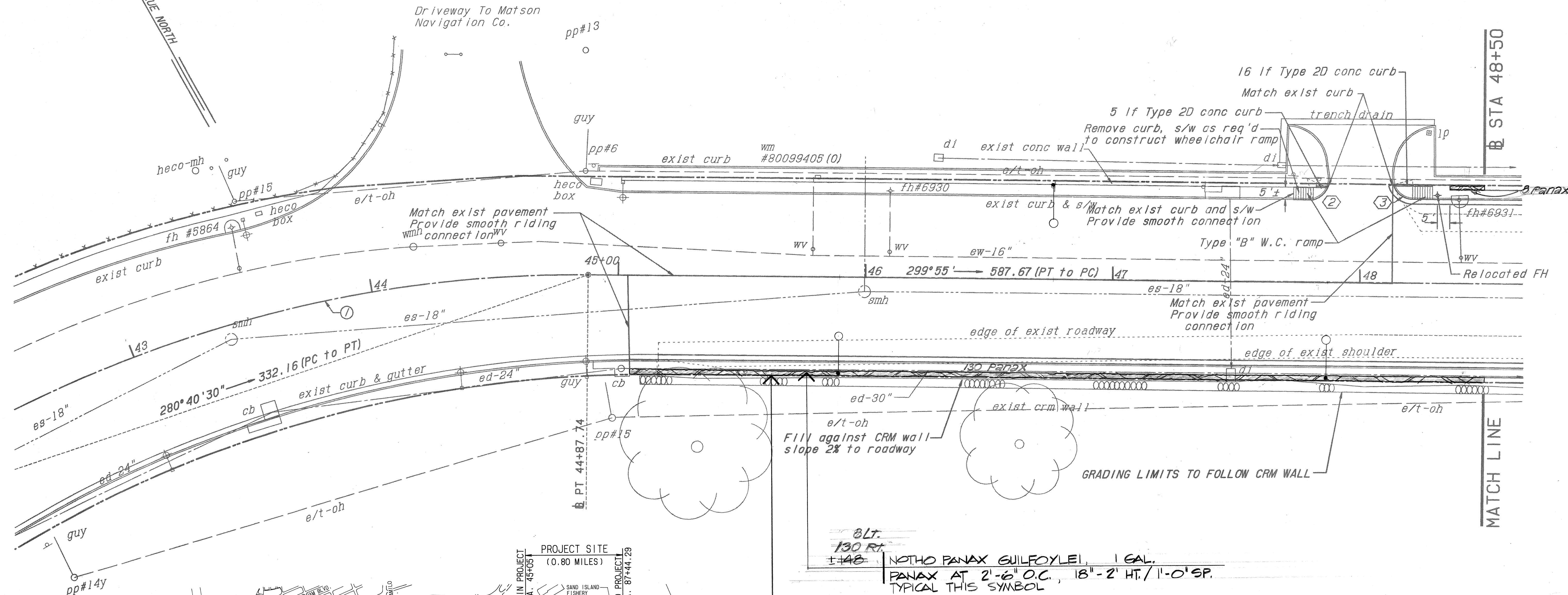


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	75	95

CURVE DATA		
Baseline	Curb	
①	②	③
Δ = 38°29'	50°06'	75°29'
Δ/2 = 19°14'30"	25°03'	37°33'20"
R = 563.96	9.2±	8.0±
T = 332.16	7.79	9.79
C = 175.91	4.30	6.19
Lc = 338.49	8.04	10.54

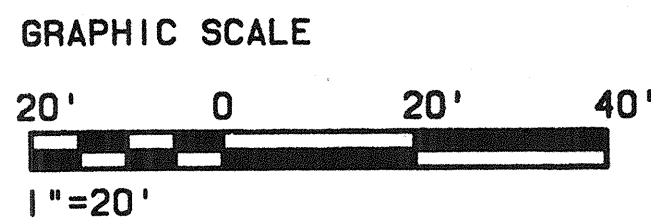
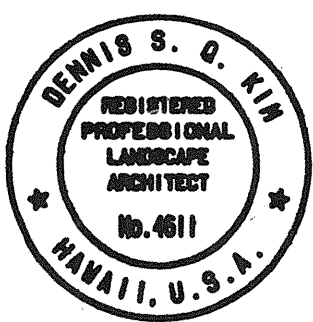
Sand Island
Container Yard
(Owner - DOT Harbors)
TMK: 1-5-41: 200



BLT.
130 RT.
± 148 NOTHO PANAX GUILFOYLEI, 1 GAL.
PANAX AT 2'-6" O.C., 18"-2" HT./1'-0" SP.
TYPICAL THIS SYMBOL

1505
± 1225 2" DEEP LAYER OF FINE GRAVEL IN ALL UNPAVED
SQ. FT. AREAS: TOP OF GRAVEL TO BE 1" BELOW
SIDEWALK FINISH GRADE, TYPICAL

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



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN
STA 45+00 TO 48+50
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-1(5)

SCALE: AS NOTED DATE: SEPT 1992
SHEET No. L-1 OF 9 SHEETS

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	76	95

CURVE DATA

Baseline

④

⑤

⑥

⑦

⑧

⑨

⑩

⑪

⑫

⑬

⑭

⑮

Curb Data

①

②

③

④

⑤

⑥

⑦

⑧

⑨

⑩

⑪

⑫

⑬

⑭

⑮

$\Delta = 15^{\circ}12'$
 $\Delta/2 = 7^{\circ}36'$
 $R = 1,675.88$
 $C = 443.29$
 $T = 223.61$
 $Lc = 444.59$

$14^{\circ}29'18''$
 $56^{\circ}33'$
 26.00
 11.35
 24.63
 5.72
 25.66

$1^{\circ}45'36''$
 $78^{\circ}08'19''$
 $27^{\circ}38'36''$
 $58^{\circ}38'36''$
 $64^{\circ}02'21''$
 $33^{\circ}35'12''$
 $30^{\circ}27'09''$
 $10^{\circ}28'24''$
 $14^{\circ}50'11''$

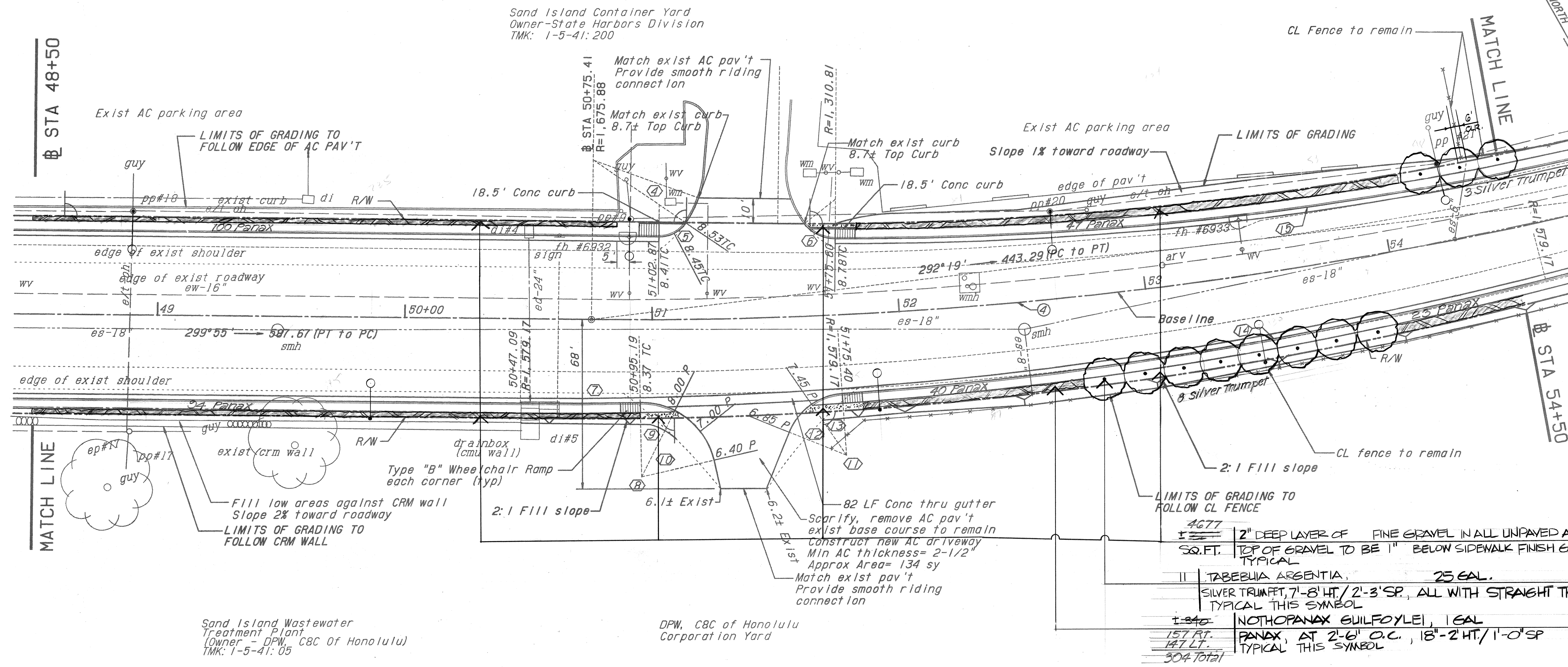
$0^{\circ}22'48''$
 $39^{\circ}04'09''$
 $13^{\circ}49'18''$
 $29^{\circ}19'18''$
 $32^{\circ}01'10''$
 $16^{\circ}47'36''$
 $15^{\circ}13'34''$
 $5^{\circ}14'12''$
 $7^{\circ}25'5.5''$

30.00
 30.00
 30.00
 25.00
 25.00
 25.00
 $1,579.17$
 $1,310.81$

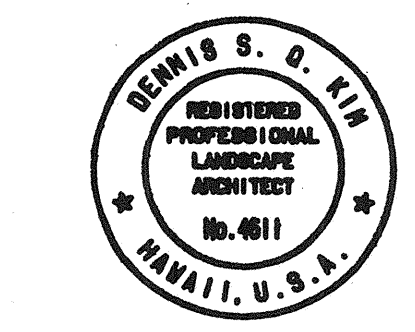
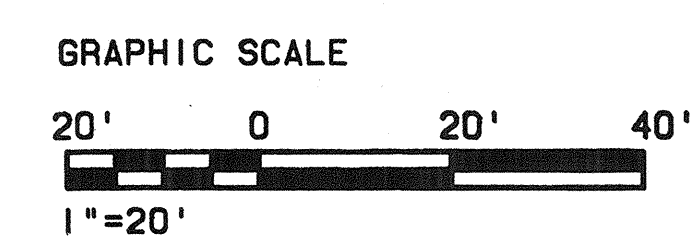
48.50
 37.82
 14.33
 29.38
 26.51
 14.45
 13.13
 288.26
 338.48

24.25
 24.35
 7.38
 16.85
 15.63
 7.54
 6.80
 144.73
 170.67

40.91
 14.47
 30.71
 27.94
 14.65
 13.29
 288.66
 339.43



DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NO.	_____



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE PLANTING PLAN
STA 48+50 TO 54+50
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-1(5)

DATE: SEPT 1992
SHEET No. 2 OF 9 SHEETS

AS-BUILT

CURVE DATA

Base 11nē

Curb-Dat a

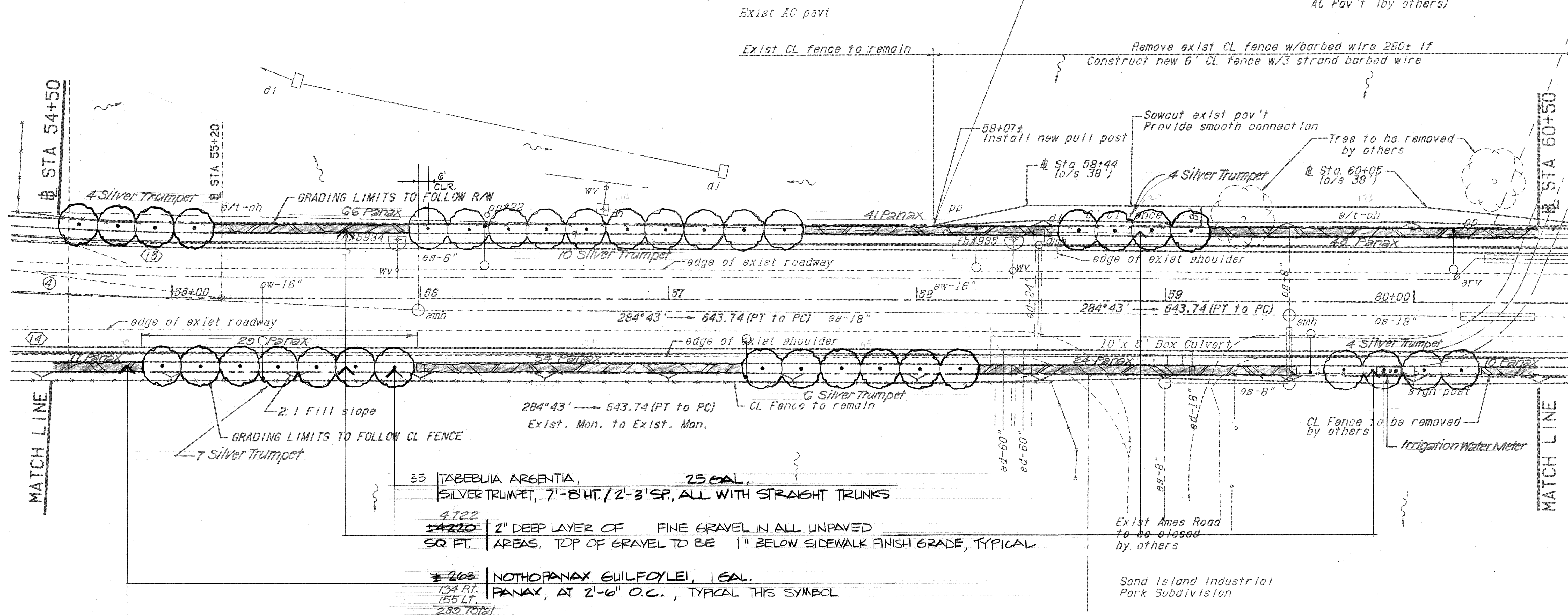
	④	⑭	⑮
$\Delta = 15^{\circ}12'$	$10^{\circ}28'24''$	$14^{\circ}50'11''$	
$\Delta/2 = 7^{\circ}36'$	$5^{\circ}14'12''$	$7^{\circ}25'5.5''$	
$R = 1,675.88$	$1,579.17$	$1,310.81$	
$C = 443.29$	288.26	338.48	
$T = 223.61$	144.73	170.67	
$LC = 444.59$	288.66	339.43	

Sand Island
Container Yard
(Owner - DOT Harbors)
TMK: 1-5-41:200

Sand Island
Container Yard CY-6 and CY-9
(Owner - DOT Harbors)

Container Yard 6 and 9
AC Pav't (by others)

TRUE NORTH

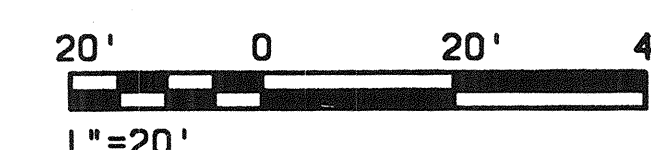


ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE _____
	DRAWN BY _____	" _____
	TRACED BY _____	" _____
	DESIGNED BY _____	" _____
	QUANTITIES BY _____	" _____
	CHECKED BY _____	" _____
No. _____		



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION

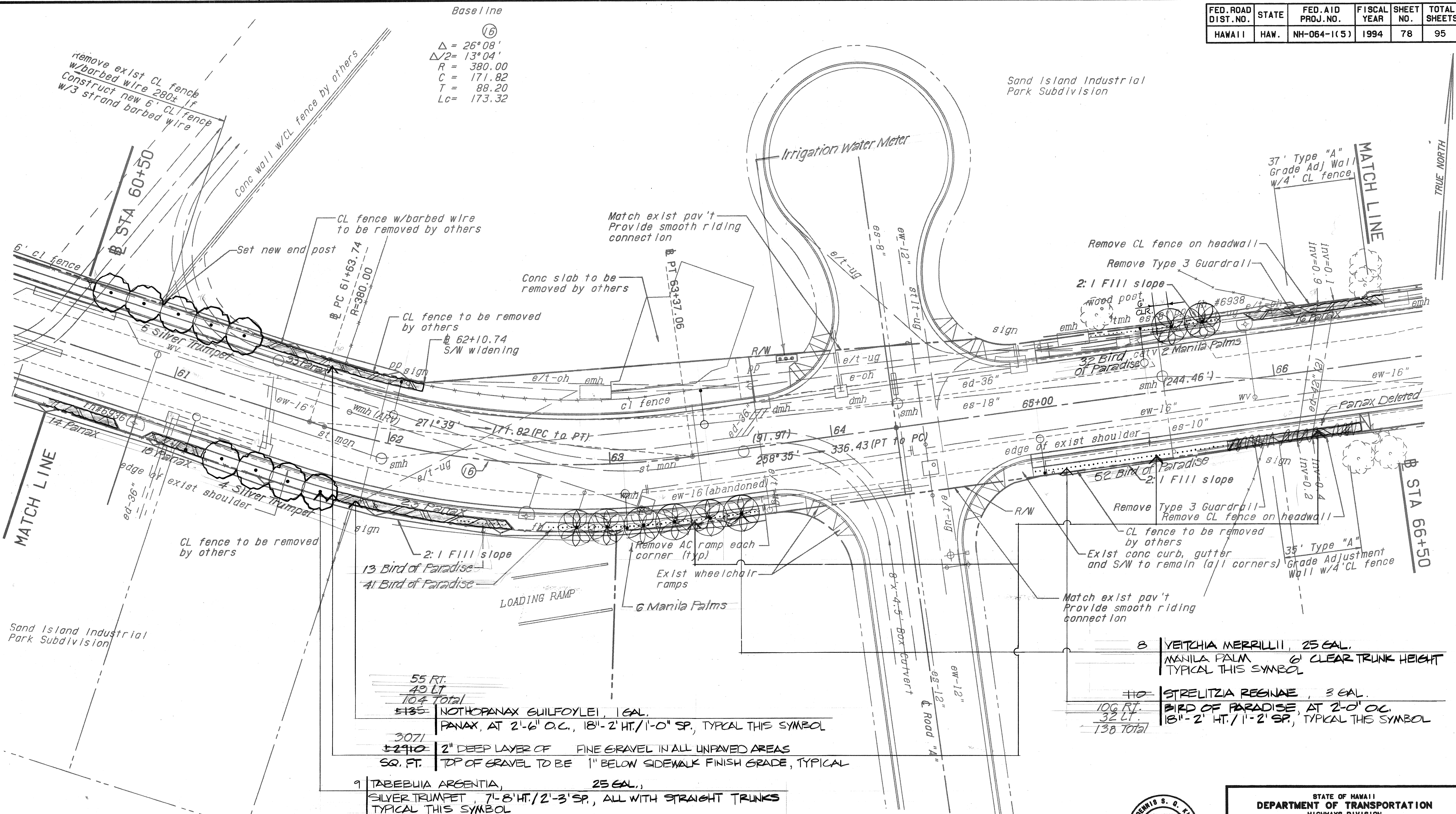
GRAPHIC SCALE



AS-BUILT

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LANDSCAPE PLANTING PLAN
STA 54+50 TO 60+50
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-1(5)
SCALE: AS NOTED DATE: SEPT 1992
SHEET No. 1-3 OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	78	95



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

GRAPHIC SCALE

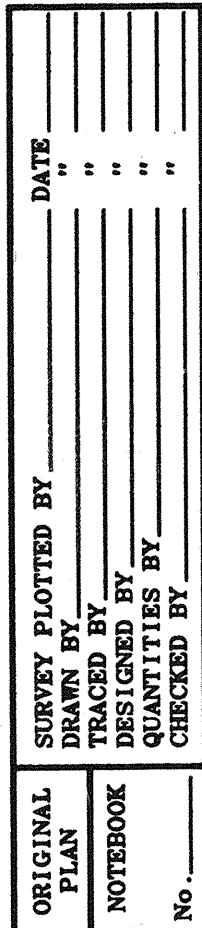
20' 0 20' 40'

1"=20'

DENNIS S. Q. KIM
REGISTERED
PROFESSIONAL
LANDSCAPE
ARCHITECT
No. 4611
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LANDSCAPE PLANTING PLAN
STA 60+00 TO 70+00
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-(15)
SCALE: AS NOTED DATE: SEPT 1992
SHEET No. 40F 9 SHEETS

U.S. Coast Guard Station

RE APPROVED: (FOR STREET TREES ONLY)

 8/29/96

DIRECTOR, DEPARTMENT OF PARKS & RECREATION DATE



1/96

DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LANDSCAPE PLANTING PLAN
STA 66+50 TO 72+50
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-1(5)
SCALE: AS NOTED DATE: SEPT 1992
SHEET No. 50F 9 SHEETS

AS-BUILT

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



GRAPHIC SCALE

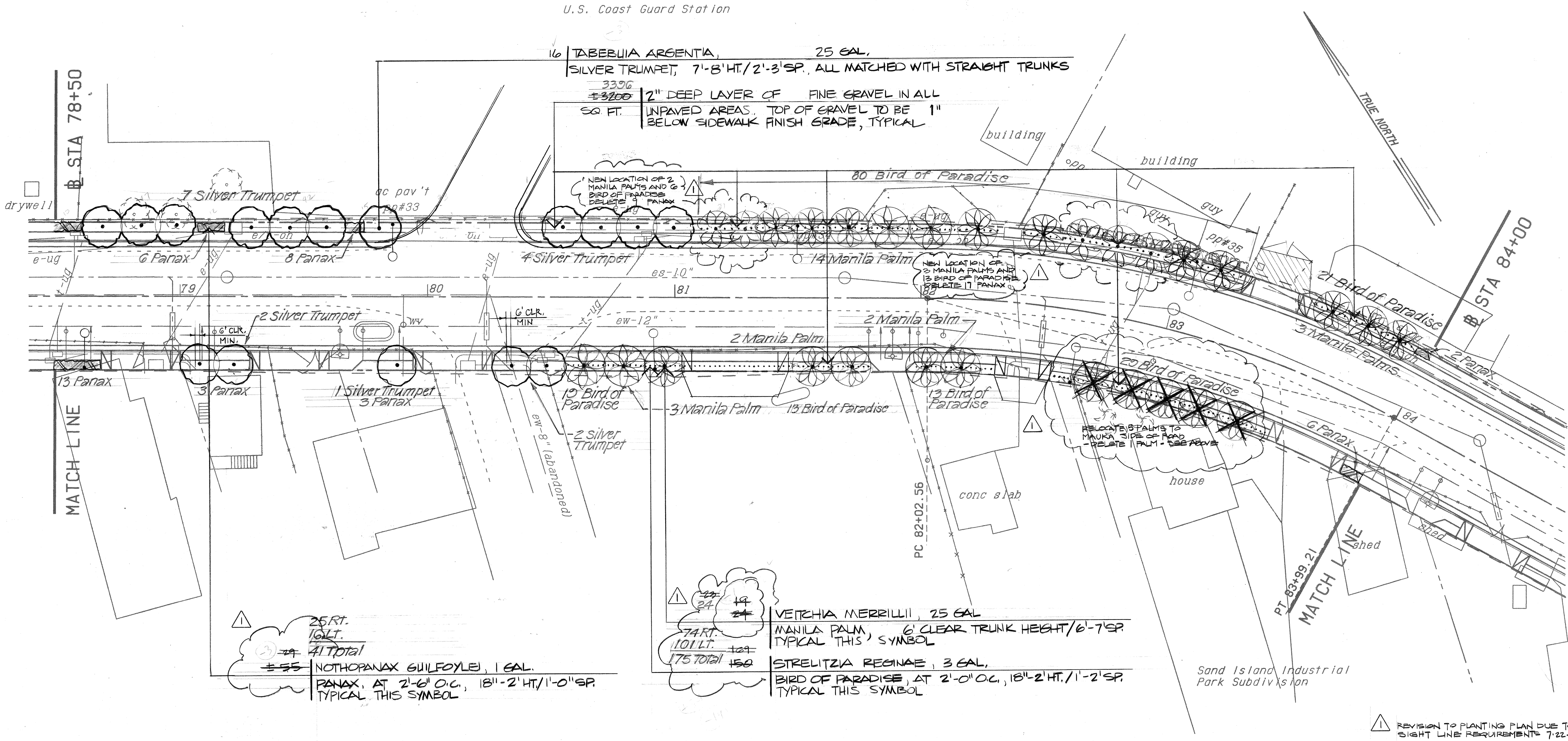
20' 0 20' 40'

1"=20'

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	81	95

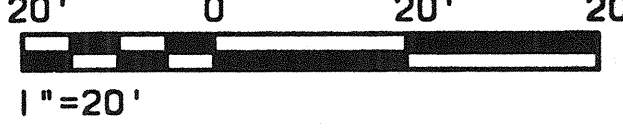
ORIGINAL PLAN	DATE
DRAWN BY	DESIGNED BY
NOTED BY	CHECKED BY
NO.	



REAPPROVED: (FOR STREET TREES ONLY)

DIRECTOR, DEPARTMENT OF PARKS & RECREATION DATE

GRAPHIC SCALE

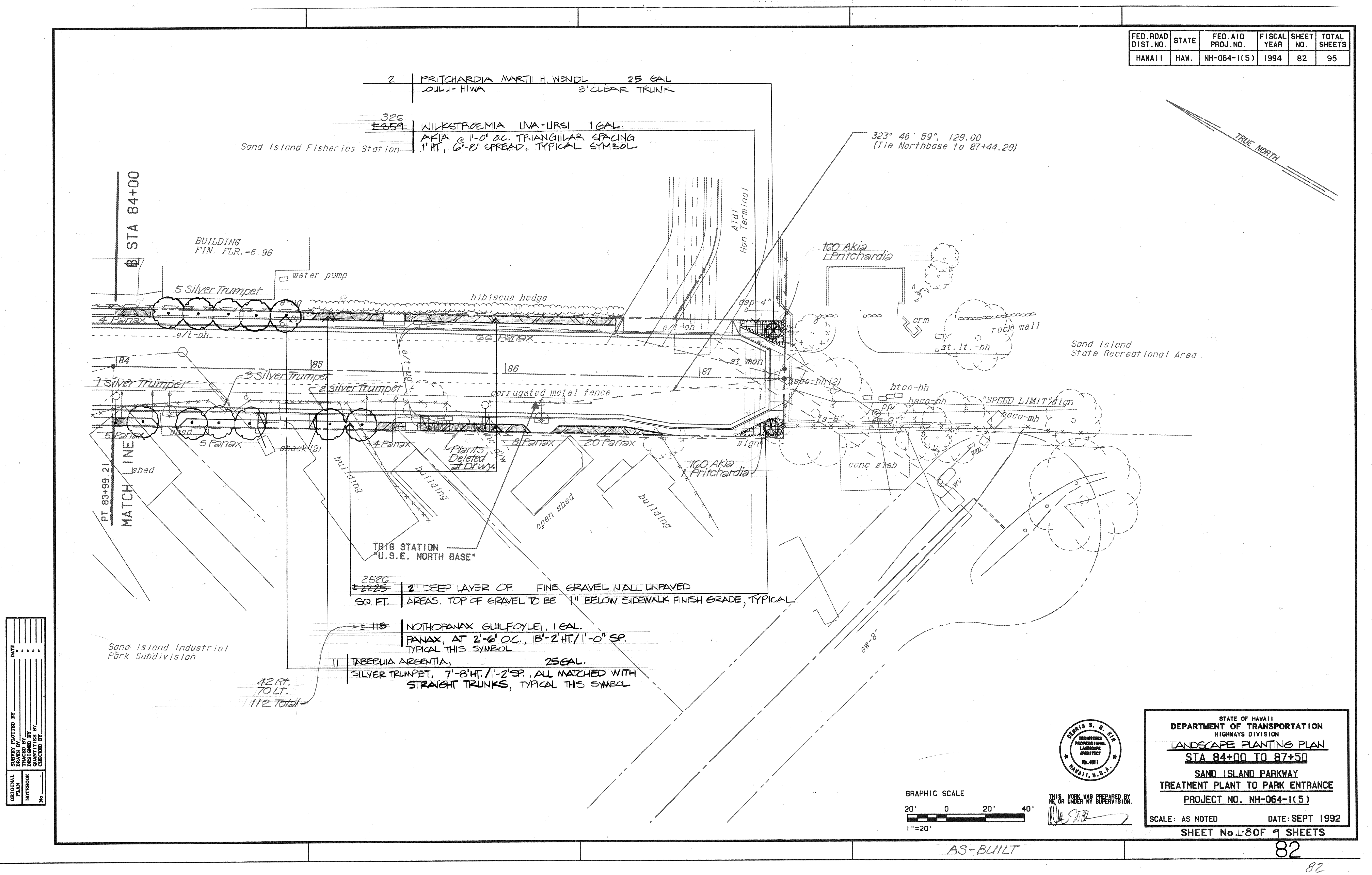


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
LANDSCAPE PLANTING PLAN
STA 78+50 TO 84+00
SAND ISLAND PARKWAY
TREATMENT PLANT TO PARK ENTRANCE
PROJECT NO. NH-064-1(5)
SCALE: AS NOTED DATE: SEPT 1992
SHEET No. 81 OF 9 SHEETS

AS-BUILT

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	82	95



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-064-1(5)	1994	83	95

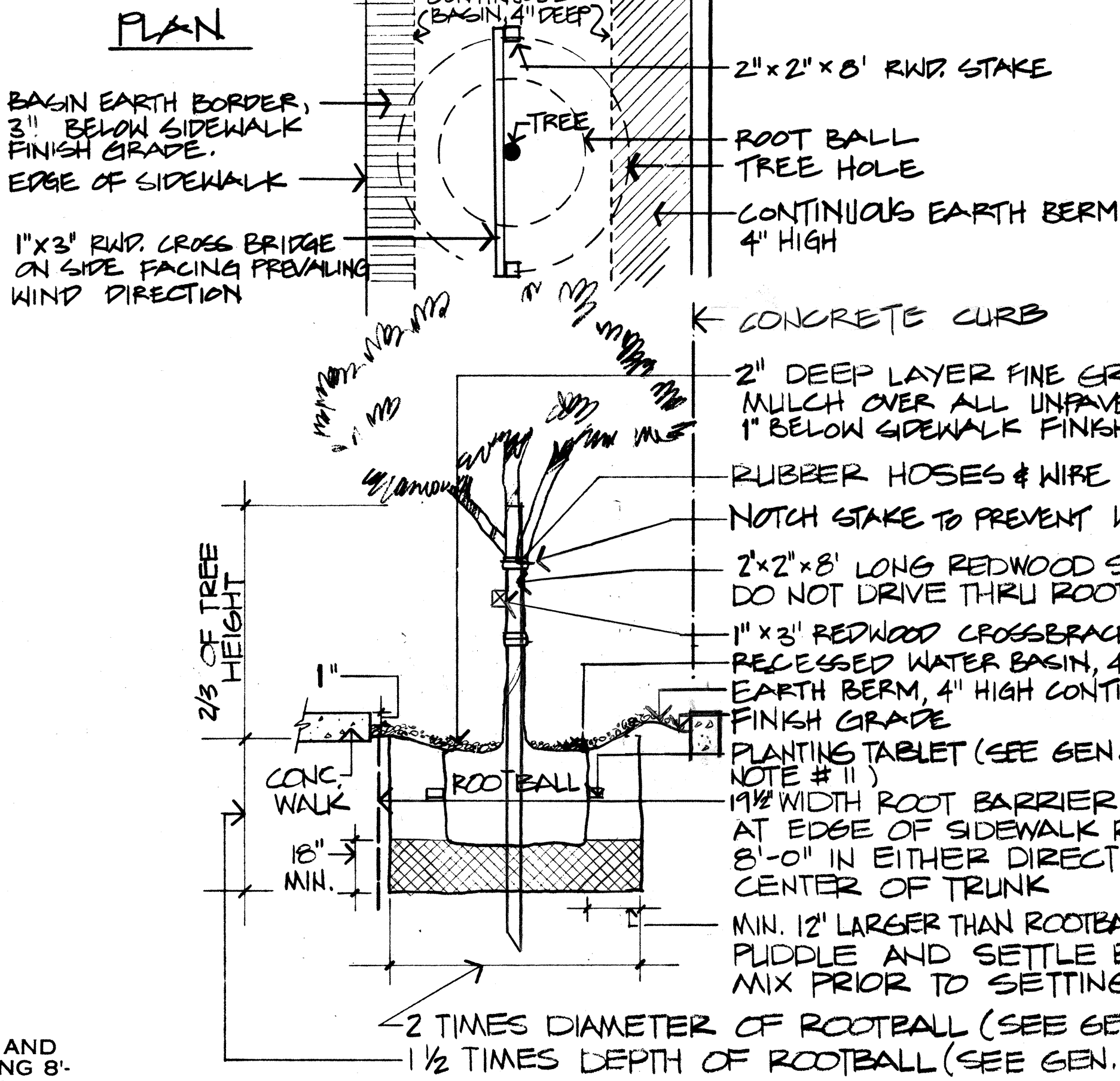
PLANT LIST

QUANTITY	BOTANICAL NAME	COMMON NAME	CONTAINER SIZE	HT/SP	REMARKS
106	TABEBUIA ARGENTIA	SILVER TRUMPET	25 GAL	7'-8' HT / 2'-3' SP	ALL MATCHED WITH STRAIGHT TRUNKS
74 68	VEITCHIA MERRILLII	MANILA PALM	25 GAL	6' CLEAR TRUNK / 6'-7' SP	ALL MATCHED WITH STRAIGHT TRUNKS
1294 1236	NOTHOPANAX GUILFOYLEI	PANAX	1 GAL	18"-2' HT / 1' SP	
608 627	STRELITZIA REGINAE	BIRD OF PARADISE	3 GAL	18"-2' HT / 1'-2' SP	
359	WILKSTROEMIA UVA-URSI	AKIA	1 GAL	1' HT / 6'-8' SP	
2	PRITCHARDIA MARTII H. WENDL	PRITCHARDIA PALM	25 GAL	3' CLEAR TRUNK	STRAIGHT TRUNK

1

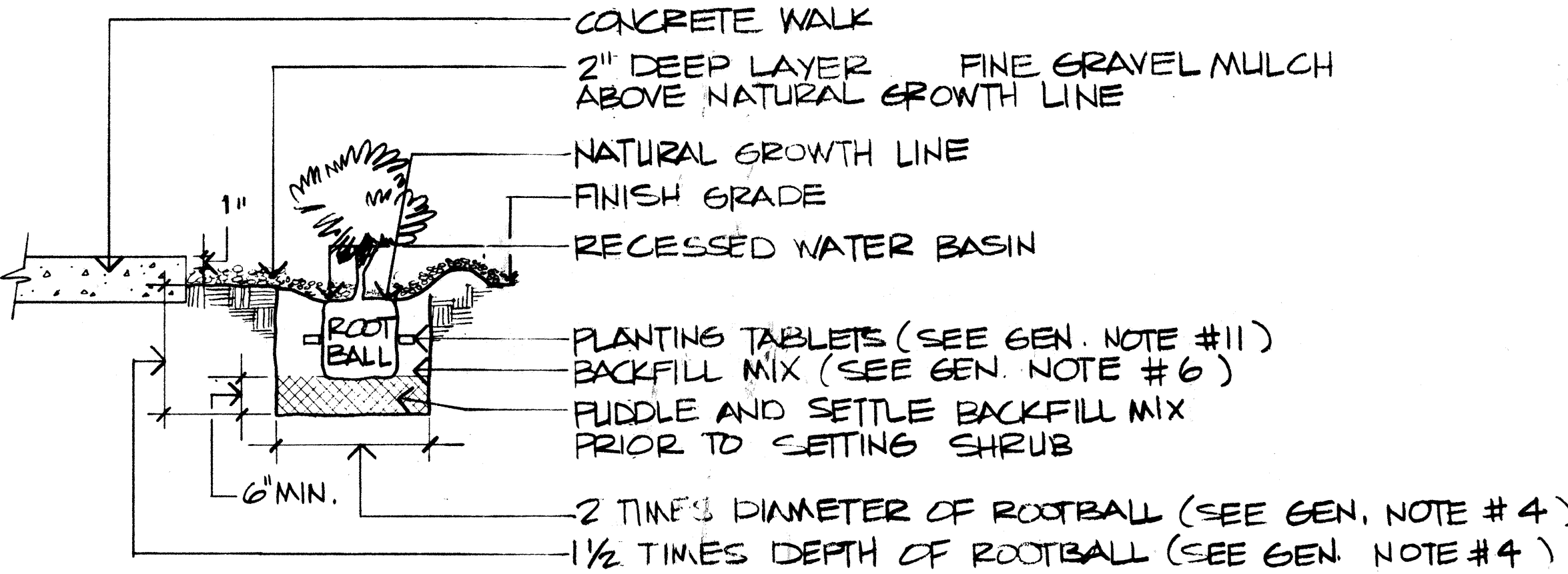
GENERAL NOTES:

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL QUANTITIES, MEASUREMENTS, AND SITE CONDITION, INCLUDING LOCATION OF ALL EXISTING UTILITIES.
- PLANTING WILL NOT COMMENCE UNTIL THE PLANTING AREA IS PREPARED TO FINISH GRADE.
- PRIOR TO TREE HOLE EXCAVATION, ALL PLANTING LOCATIONS SHALL BE STAKED OUT BY THE CONTRACTOR FOR APPROVAL BY THE ENGINEER.
- SHRUB AND TREE HOLES SHALL BE AT LEAST TWO TIMES THE DIAMETER AND ONE AND ONE-HALF TIMES THE DEPTH OF THE ROOTBALL OR THE ROOTBALL DIMENSIONS PLUS THE MINIMUM CLEARANCES SHOWN ON THE PLANS, WHICHEVER IS GREATER.
- IF CORAL, ROCK, HARD PAN OR UNSUITABLE MATERIAL IS ENCOUNTERED WHILE EXCAVATING FOR THE PLANTING HOLE, THE MATERIAL SHALL BE BROKEN UP OR REMOVED AT LEAST 12 INCHES BEYOND THE NORMAL DIMENSIONS OF THE HOLE AS DIRECTED BY THE ENGINEER.
- BACKFILL MIX SHALL CONSIST OF 3 PARTS OF SOIL, 1 PART OF MANURE, AND 1 PART OF ORGANIC SOIL CONDITIONER.
- CONTINUOUS WATERING BASINS AND BERMS SHALL BE FINISH GRADED AND A TWO INCH DEEP LAYER OF #3 FINE GRAVEL MULCH SHALL BE PLACED OVER THE ENTIRE UNPAVED LANDSCAPE AREA WITHIN 2 WEEKS AFTER PLANTING.
- GUY WIRES, RUBBER HOSES, STAKES, ETC., SHALL BE MAINTAINED AND REPLACED IF NECESSARY BY THE CONTRACTOR UNTIL THE TREE, PALM, OR SHRUB IS ABLE TO STAND BY ITSELF. WHEN IT BECOMES UNNECESSARY THE CONTRACTOR SHALL REMOVE AND DISPOSE.
- GUY WIRE SHALL BE NO. 11 GAGE GALVANIZED STEEL WIRE FOR TREES 3 INCHES IN DIAMETER OR LESS AND NO. 9 GAGE FOR TREES OVER 3 INCHES IN DIAMETER.
- ORGANIC SOIL CONDITIONERS, MULCH, GUY WIRES, PLANTING TABLETS, STAKES, RUBBER HOSE, AND BACKFILL MIX SHALL BE CONSIDERED INCIDENTAL TO PLANTING AND TRANSPLANTING OF TREES AND SHRUBS AND WILL NOT BE MEASURED FOR PAYMENT.
- PLANTING TABLETS SHALL BE 21 GRAMS, WITH AN ANALYSIS OF 21-10-5. DISTRIBUTE EVENLY IN PLANTING PITS, 2 PER 1 GAL., 4 PER 3 GAL., AND 10 PER 25 GAL. PLANT MATERIAL.
- NINETEEN & ONE-HALF (19 1/2) INCH ROOT BIO-BARRIER SHALL BE INSTALLED FOR ALL TREES AND PALMS, AT THE EDGE OF THE SIDEWALK, RUNNING 8'-0" IN EITHER DIRECTION FROM CENTER OF TRUNK.
- SECTION 619 (PLANTING AND TRANSPLANTING) OF THE LATEST DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AS AMENDED, IS APPLICABLE TO THESE DETAILS.
- OBSTRUCTIVE PLANTING (UNFORESEEN) SHALL BE RELOCATED OR REMOVED, AS DETERMINED AND DIRECTED BY THE ENGINEER.
- ALL PLANTS SHALL BE WATERED WITHIN THE SAME DAY OF PLANTING. WATER SHALL BE APPLIED TO ALL PLANTS AS OFTEN AND IN SUFFICIENT AMOUNT AS CONDITIONS MAY REQUIRE TO KEEP THE SOIL WITHIN THE PLANTING AREA IN A MOIST CONDITION THROUGHOUT THE PLANTING AND PLANT ESTABLISHMENT PERIODS.
- IF A TEMPORARY SPRINKLER SYSTEM IS INSTALLED ON THE PROJECT, THE CONTRACTOR MAY USE AND OPERATE SUCH SYSTEM BUT MUST MAINTAIN THE SYSTEM AND PAY FOR THE WATER USED DURING THE PERIOD OF MAINTENANCE.
- WATERING EQUIPMENT SHALL BE OF A TYPE THAT WILL NOT CAUSE DAMAGE TO THE PLANTED AREA OR ITS SURROUNDINGS. WATER SYSTEMS THAT CAUSE EROSION OR RUNOFF AND DEEMED UNACCEPTABLE BY THE ENGINEER SHALL BE CORRECTED BY THE CONTRACTOR.
- A PRE-EMERGENT HERBICIDE SHALL BE APPLIED, IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS, OVER ALL LANDSCAPED AREAS (INCLUDING GRAVEL AREAS) AFTER PLANTINGS HAVE BEEN INSTALLED.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PARKS AND RECREATION'S BEAUTIFICATION ADMINISTRATOR, PH. 971-7151, AT LEAST SEVEN (7) DAYS IN ADVANCE FOR THE PRE-MAINTENANCE AND FINAL INSPECTION.
- ALL STREET TREES SHALL BE PLANTED IN ACCORDANCE WITH THE DEPARTMENT OF PARKS AND RECREATION STANDARD LANDSCAPING DETAILS AND SPECIFICATIONS.
- PLANT TREES AND PALMS AT A DEPTH, WHERE THE TRUNK BASE BEGINS TO FLARE OUT INTO THE ROOT SYSTEM MEETS THE EXISTING ADJACENT SOIL SURFACE. IF APPROPRIATE, RAISE AS NECESSARY TO ALLOW FOR SETTLING. DO NOT PLANT TOO DEEP.

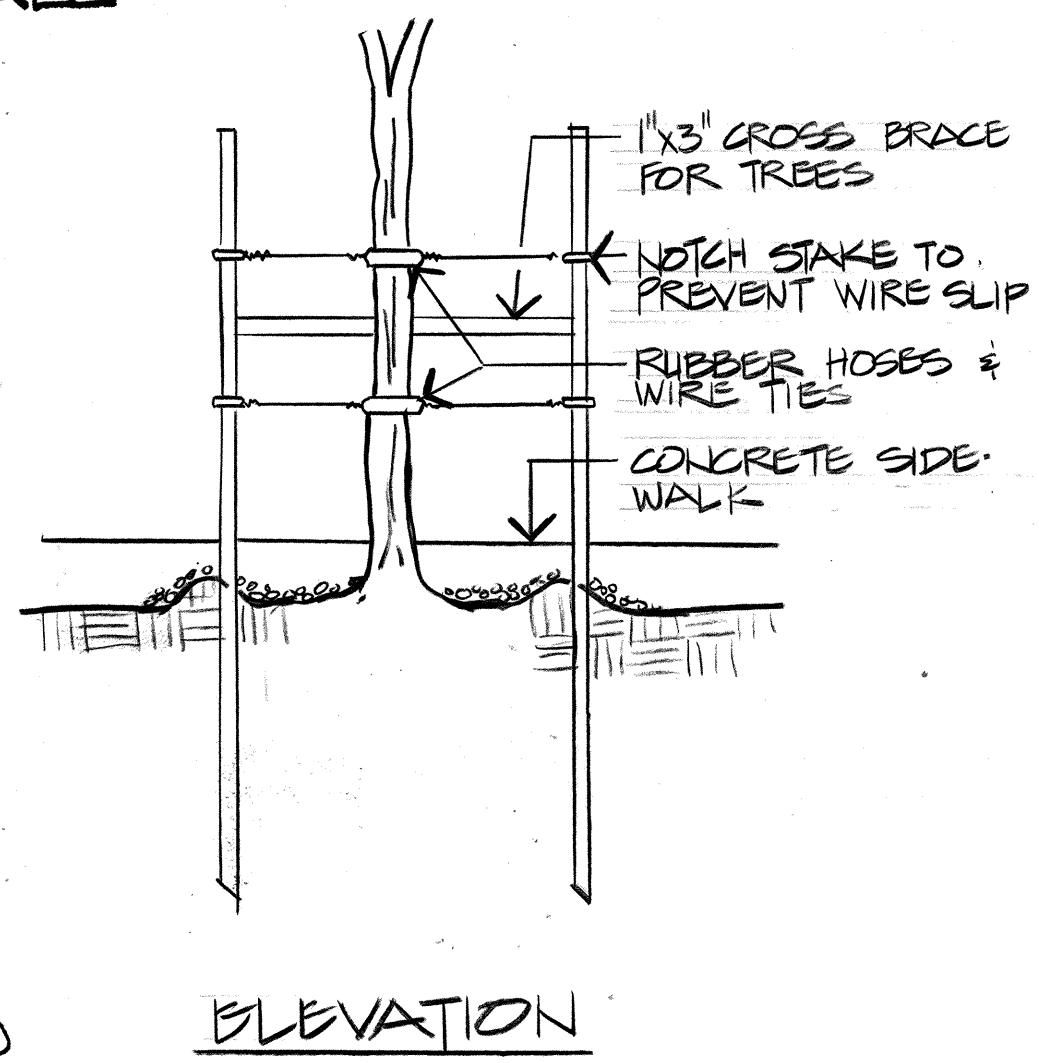


TREE PLANTING DETAIL/DOUBLE STAKE
NOT TO SCALE

PALM PLANTING DETAIL/DOUBLE STAKE
NOT TO SCALE



SHRUB PLANTING DETAILS
NOT TO SCALE



ELEVATION

NOTE:
STATE OWNED TREES - TO BE MAINTAINED BY THE STATE. CONTRACTOR SHALL NOTIFY STATE DEPT. OF TRANSPORTATION HIGHWAYS MAINTENANCE DIVISION FOR FINAL INSPECTION AND ACCEPTANCE.



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

REVISION TO PLANTING PLAN DUE TO SIGHT LINE REQUIREMENTS 7-22-96

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

LANDSCAPE DETAILS

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

SCALE: AS NOTED DATE: .

SHEET No. 83 OF 9 SHEETS