

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(1)	2005	39	144

Matchline: Sta. 17+00 Drainage Channel - See Sht. C6.1

Matchline: Sta. 47+00 Drainage Channel - See Sht. C6.3

Channel Curve Data
 $\Delta = 25^{\circ}06'00''$
 $\Delta_2 = 12^{\circ}33'00''$
 $R = 1,777.00'$
 $T = 395.58'$
 $C = 772.25'$
 $L_c = 778.46'$

Drain Culvert "R1"

Drain Culvert "D"
 6' Chain Link Fence

Drain Culvert "E"

Drop Structure, Typ.
 See Sht. C6.4 for Detail

206°33'00", 772.25'
 (Channel PC to PT)

6' Chain Link Fence
 (Along R/W)

15' Wide Gravel
 Access Road

Limits of Grading

Drainage Channel Plan - 2
 Scale: 1" = 100'

Note:
 Aerial Topographic
 Survey is in Meters.

Graphic Scale:
 1" = 100' 100' 50' 0 100' 200'
 Scale in Feet

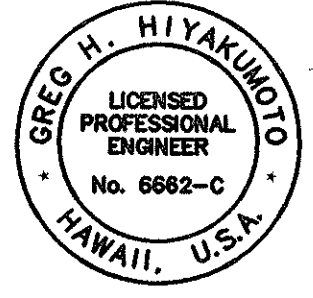
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

DRAINAGE CHANNEL PLAN - 2

North-South Road
 Phase 1A
 F.A.I. Proj. No. STP-8930(1)

Scale: 1" = 100' Date: Dec 22, 2004

SHEET No. C6.2 OF 59 SHEETS



THIS WORK WAS PREPARED BY
 ME OR UNDER MY SUPERVISION.
 Signature: [Signature] DATE OF LIC. EXPIRY: 12/31/2008

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(1)	2005	40	144

Matchline: Sta. 47+00 Drainage Channel - See Sht. C6.2

Channel Curve Data

$\Delta = 60^{\circ}40'00''$
 $\Delta/2 = 30^{\circ}20'00''$
 $R = 4,277.00'$
 $T = 2,502.62'$
 $C = 4,320.03'$
 $L_c = 4,528.63'$

True North
1" = 100'

$163^{\circ}40'00'' \rightarrow 4320.03'$ (Channel PC to PT)
 North-South Road
 North-South Road R/W

Sta. 71+00
 North-South Road
 End Phase 1A

Limits of Grading

Channel Sta. 57+10±
 End Drainage Channel

Drainage Channel

15' Double-Swing Gate

15' Wide Gravel Access Road

Drop Structure, Typ. See Sht. C6.4 for Detail

6' Chain Link Fence (Along R/W)

Conc. Headwall (Per Std. Plan H-16)

Limits of Grading

83.90
 80.90
 50+00

10'
 70'
 50'

North-South Rd. (NB)

84.10
 52+50

87.10
 55+00

87.30
 55+00

90.30
 55+00

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Drainage Channel Plan - 3

Scale: 1" = 100'

Note:
 Aerial Topographic
 Survey is in Meters.

Graphic Scale:

1" = 100'
 100' 50' 0 100' 200'
 Scale in Feet

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

DRAINAGE CHANNEL PLAN - 3

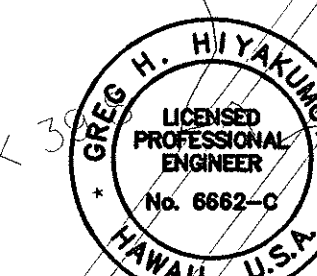
North-South Road

Phase 1A

F.A.I. Proj. No. STP-8930(1)

Scale: 1" = 100' Date: Dec 22, 2004

SHEET No. C6.3 OF 59 SHEETS



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

DATE OF SIGNATURE: 12/22/2004 DATE OF LICENSE EXPIRY: 12/22/2008

DATE	_____
SURVEY PLOTTED BY	_____
DRAWN BY	_____
DESIGNED BY	_____
NOTED BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____