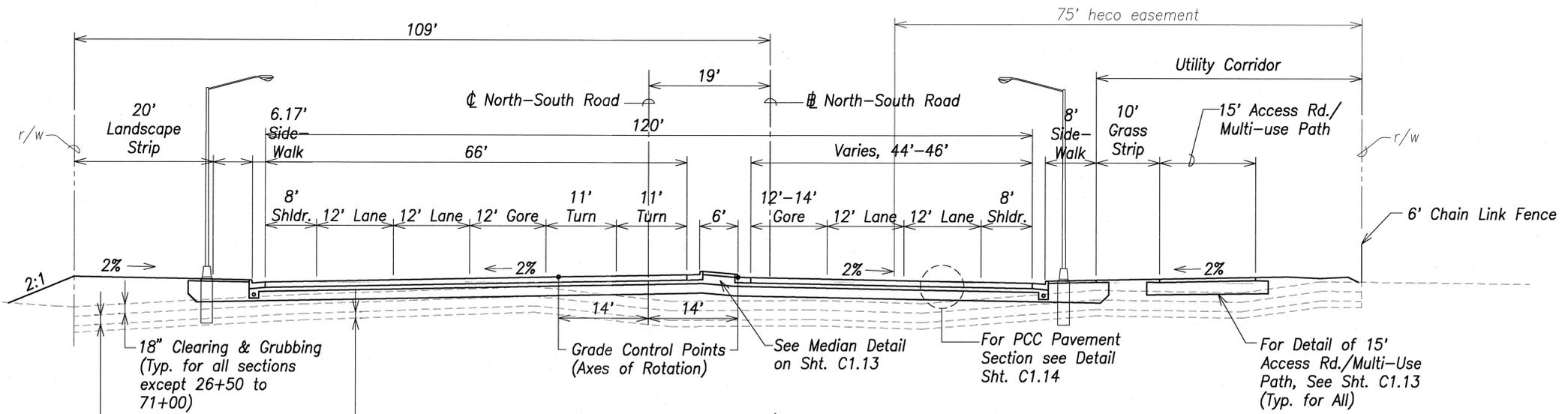


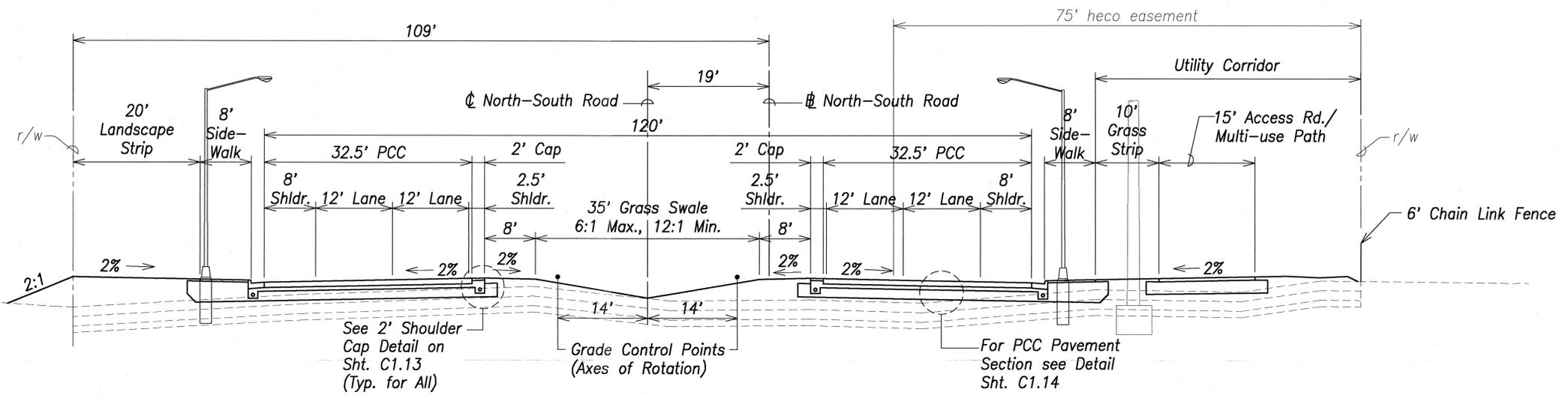
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	17	331



Typical Section - Sta. 1+33.22 to 5+50
Scale: 1" = 10'

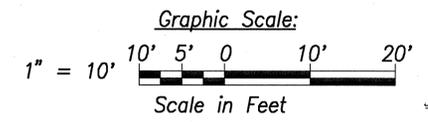
18" Typ. Over-Excavate and Replace with Compacted On-site Material (Approved by Engineer, See Section 203 of Special Provisions, Typ. for all sections except 26+50 to 71+00)

12" Typ. Scarify, Moisture-Condition and Recompact (See Section 203 of Special Provisions, Typ. for all sections except 26+50 to 71+00)



Typical Section - Sta. 5+50 to 14+17.44
Scale: 1" = 10'

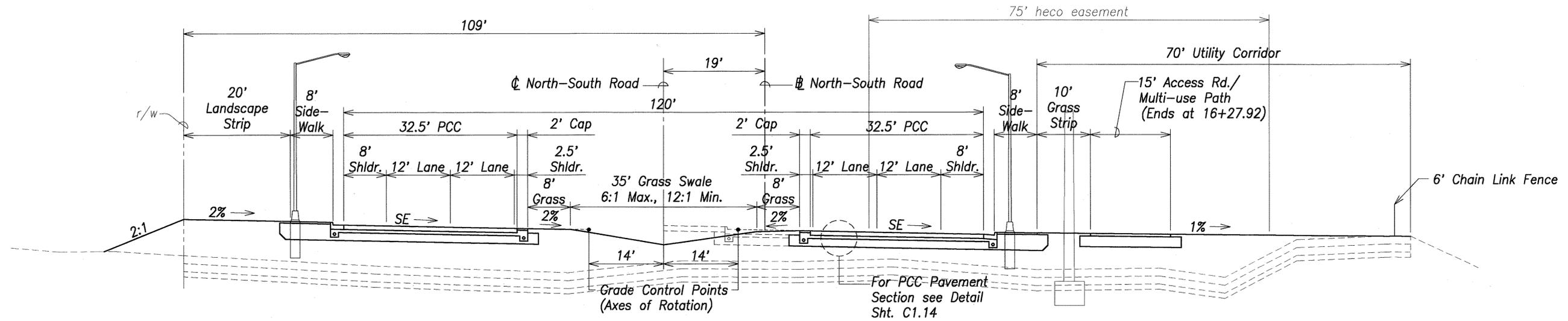
DATE	.....
SURVEY PLOTTED BY	.....
DESIGNED BY	.....
TRACED BY	.....
NOTE BOOK	.....
QUANTITIES BY	.....
CHECKED BY	.....
No.	.....



THE WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
DATE OF LICENSE EXPIRY: APR 30, 2008
SIGNATURE: _____

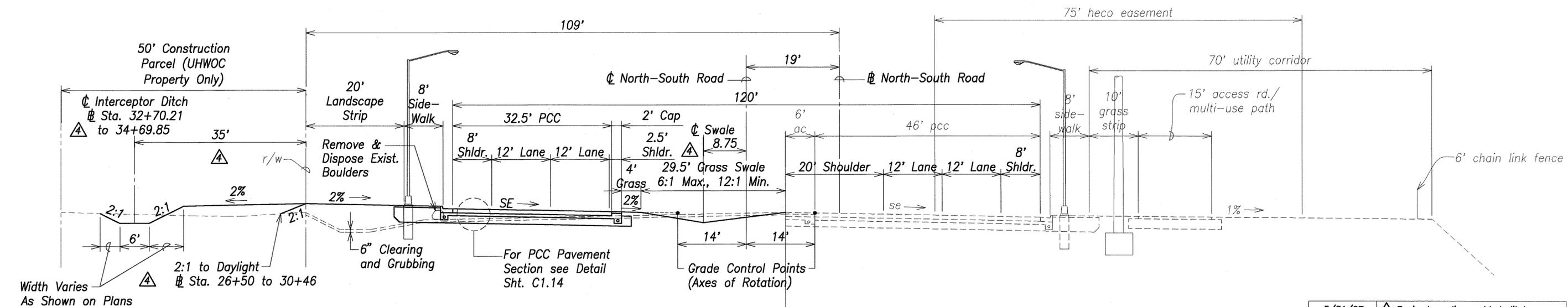
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY
TYPICAL SECTIONS - 1
North-South Road
Phase 1B
F.A.I. Proj. No. STP-8930(2)
Scale: 1" = 10' Date: Feb 21, 2007
SHEET No. C1.1 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	ADD. 18	331



Typical Section - Sta. 14+17.44 to 26+50

Scale: 1" = 10'



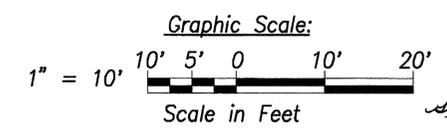
Typical Section - Sta. 26+50 to 30+46

& Sta. 32+50 to 34+69.85

Scale: 1" = 10'

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

Width Varies As Shown on Plans



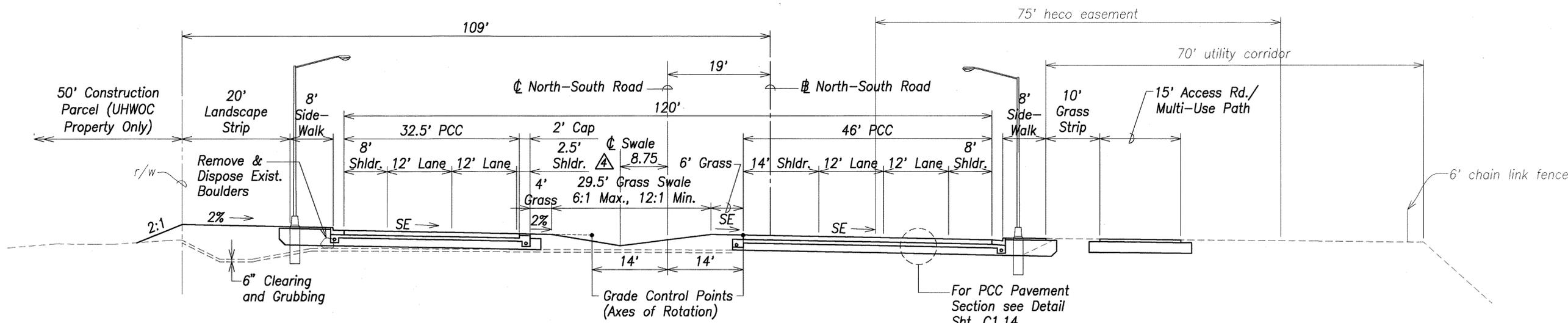
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 DATE OF LICENSE EXPIRY: APR 30, 2008
 SIGNATURE: Greg H. Hiyaundo

5/31/07	Revised median, added ditch
DATE	REVISION

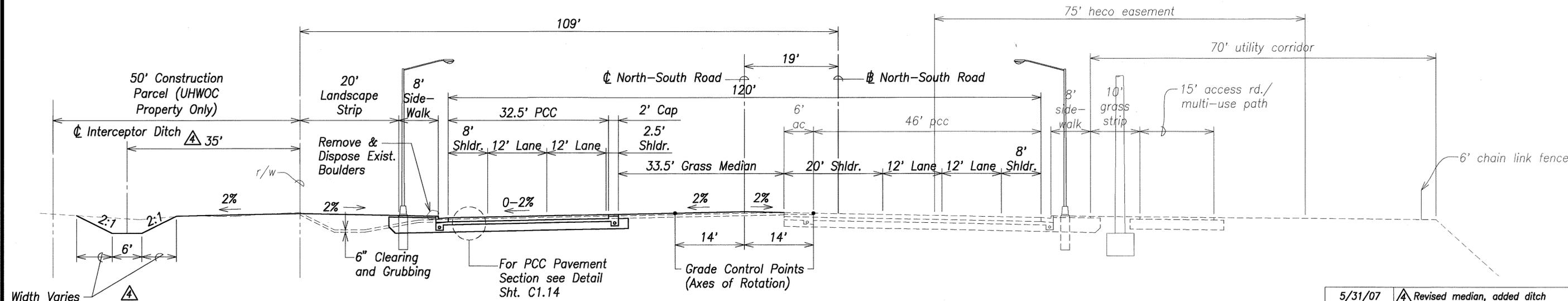
STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY
TYPICAL SECTIONS - 2
 North-South Road
 Phase 1B
 F.A.I. Proj. No. STP-8930(2)

Scale: 1" = 10' Date: Feb 21, 2007
 SHEET No. C12 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	ADD. 19	331



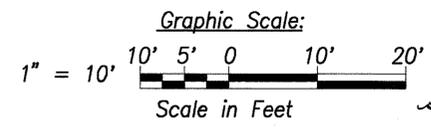
Typical Section - Sta. 30+46 to 32+50
Scale: 1" = 10'



Typical Section - Sta. 34+69.85 to 38+25 & 40+17 to 40+51.39
Scale: 1" = 10'

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
DATE	
NO.	

Width Varies As Shown on Plans

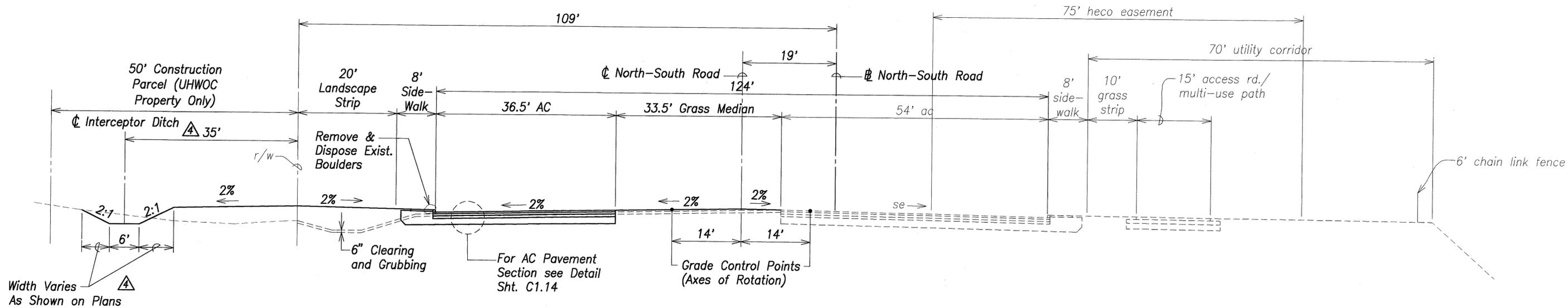


5/31/07	Revised median, added ditch
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY
TYPICAL SECTIONS - 3
North-South Road
Phase 1B
F.A.I. Proj. No. STP-8930(2)

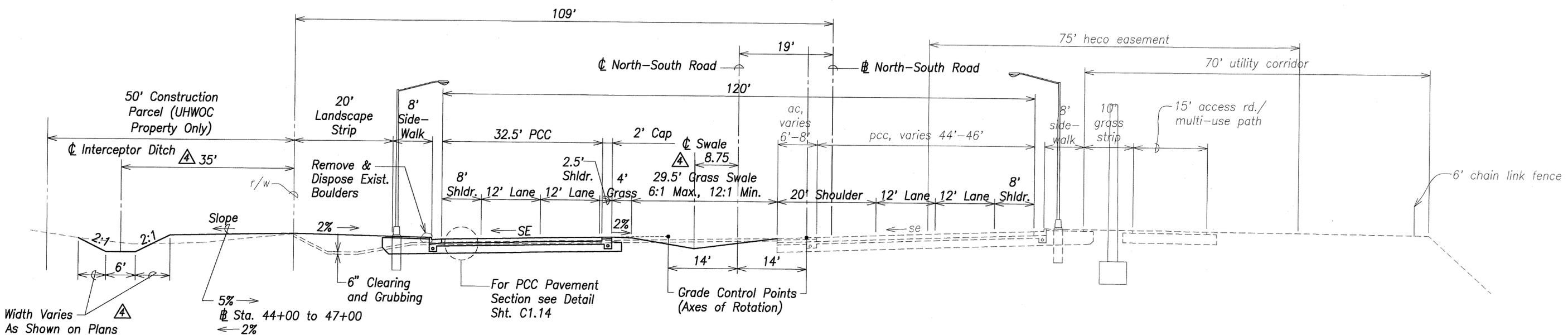
Scale: 1" = 10' Date: Feb 21, 2007
SHEET No. C1.3 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	ADD. 20	331



Typical Section - Sta. 38+25 to 40+17

Scale: 1" = 10'



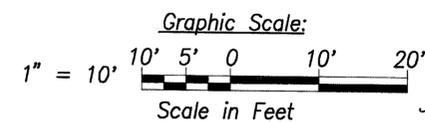
Typical Section - Sta. 40+51.39 to 61+00 & 63+50 to 71+00

Scale: 1" = 10'

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

Width Varies As Shown on Plans

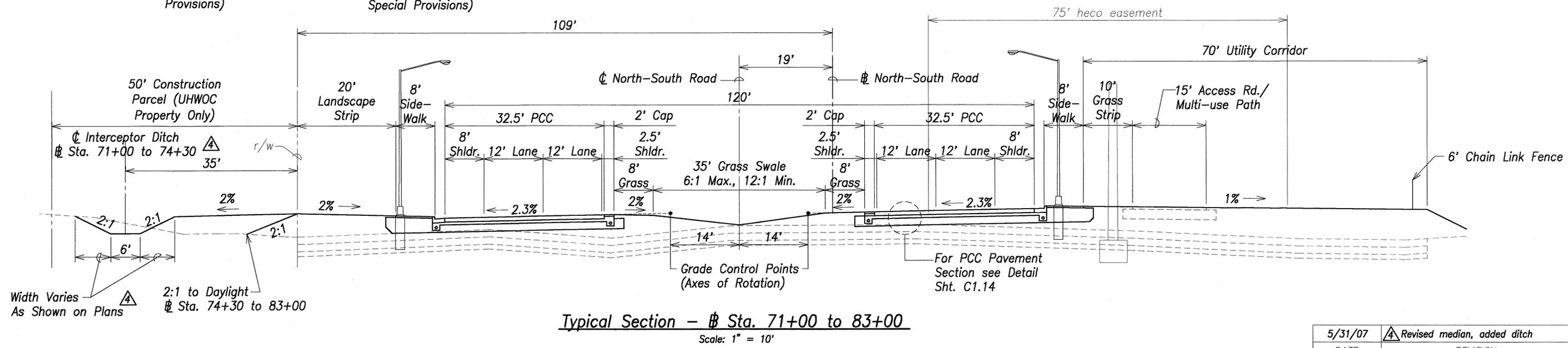
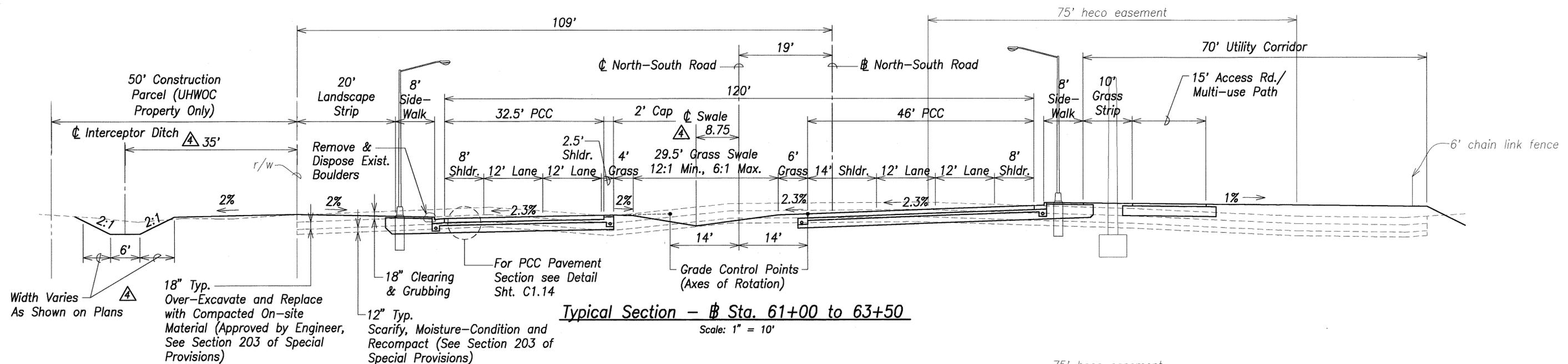
- 5% Slope Sta. 44+00 to 47+00
- 2% Sta. 40+51.39 to 44+00
- 2% Sta. 47+00 to 61+00
- 2% Sta. 63+50 to 71+00



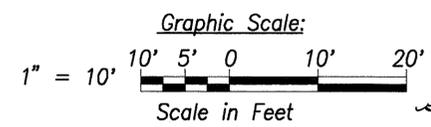
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION
 Greg H. Hiyaundo No. 8882-C
 LICENSE EXPIRES DATE OF SIGNATURE

5/31/07	Revised median, added ditch
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION ROADWAY TYPICAL SECTIONS - 4 North-South Road Phase 1B F.A.I. Proj. No. STP-8930(2)	
Scale: 1" = 10'	Date: Feb 21, 2007
SHEET No. C1.4 OF 150 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	ADD. 21	331



DESIGNED BY	DATE
CHECKED BY	
QUANTITIES BY	
TRACED BY	
DRAWN BY	
REVIEWED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



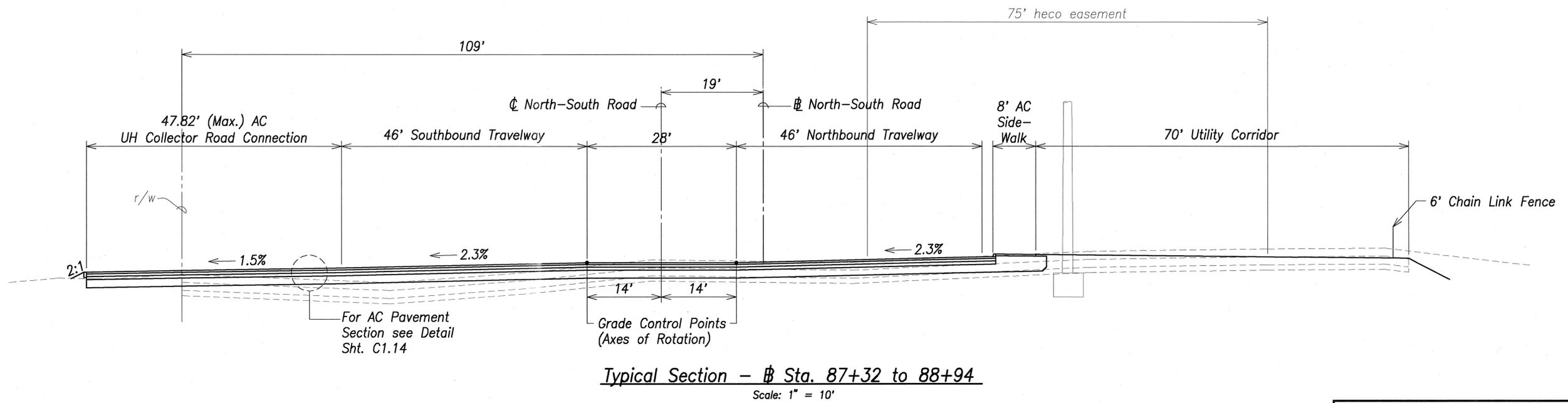
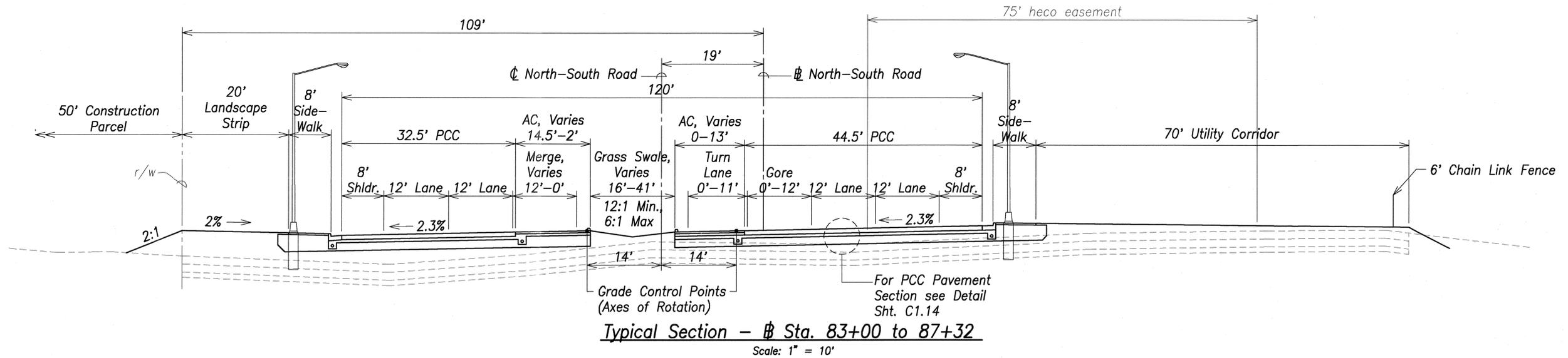
5/31/07	Revised median, added ditch
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY
TYPICAL SECTIONS - 5
North-South Road
Phase 1B
F.A.I. Proj. No. STP-8930(2)

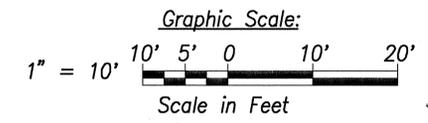
Scale: 1" = 10' Date: Feb 21, 2007

SHEET No. C1.5 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	22	331



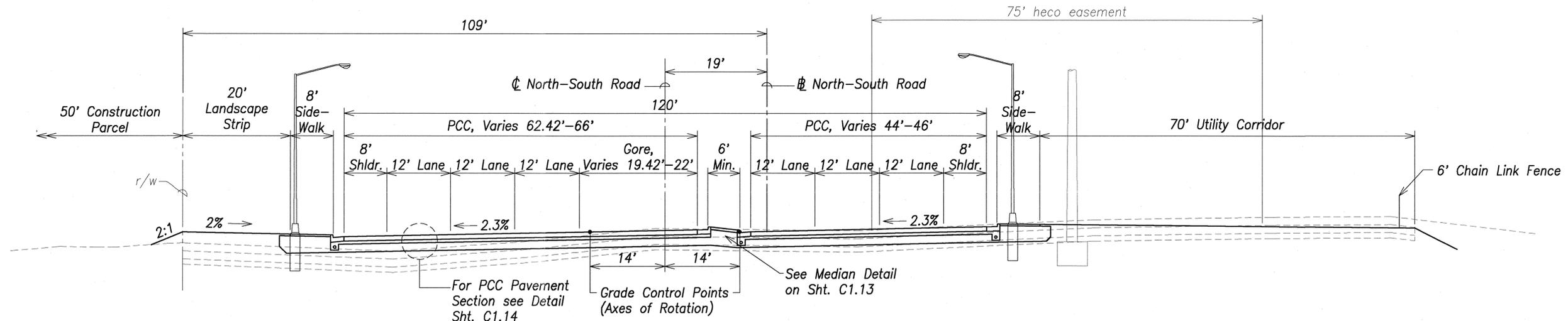
SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



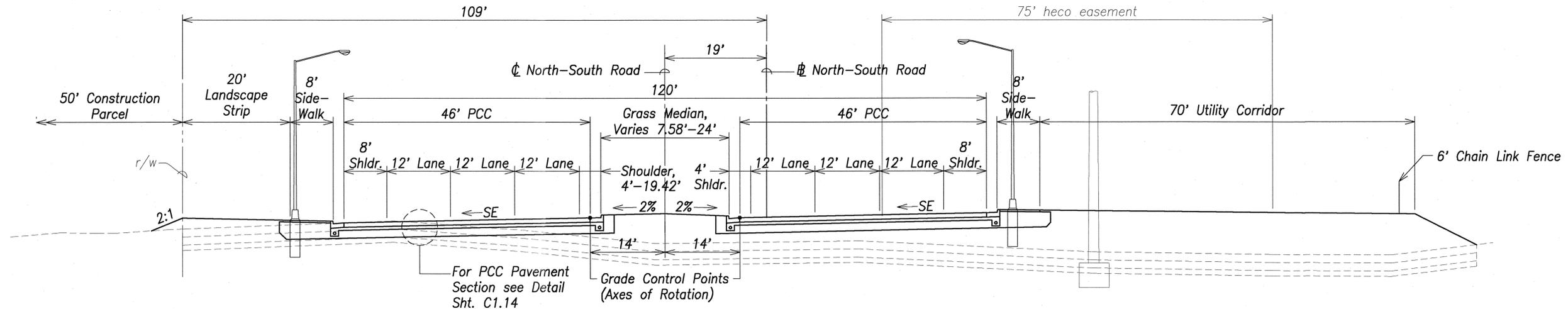
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
 DATE OF LICENSE EXPIRY: APR. 30, 2008

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY
TYPICAL SECTIONS - 6
 North-South Road
 Phase 1B
 F.A.I. Proj. No. STP-8930(2)
 Scale: 1" = 10' Date: Feb 21, 2007
 SHEET No. C1.6 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	23	331

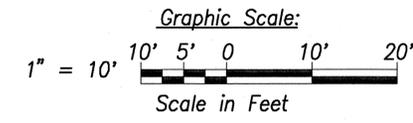


Typical Section - Sta. 88+94 to 94+64.04
Scale: 1" = 10'



Typical Section - Sta. 94+64.04 to 98+04.12
Scale: 1" = 10'

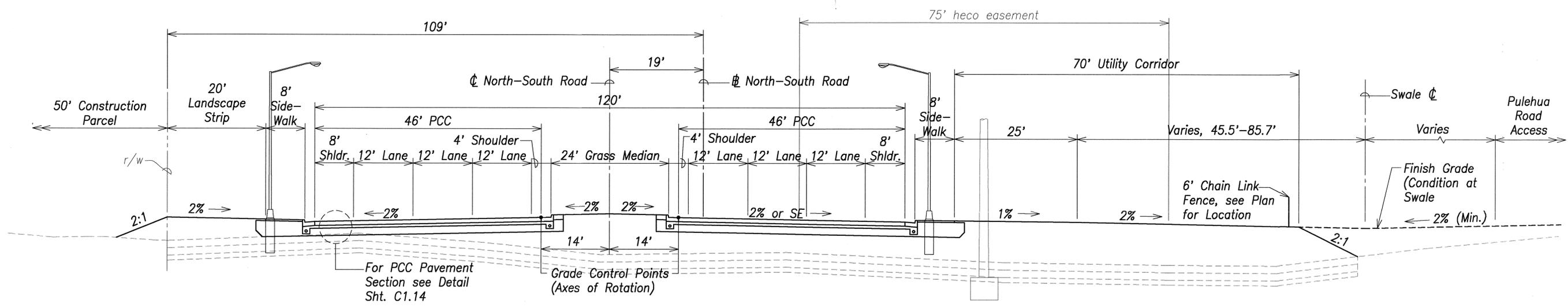
DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
QUANTITIES BY	_____
CHECKED BY	_____
ORIGINAL PLAN	_____
NOTE BOOK	_____
No.	_____



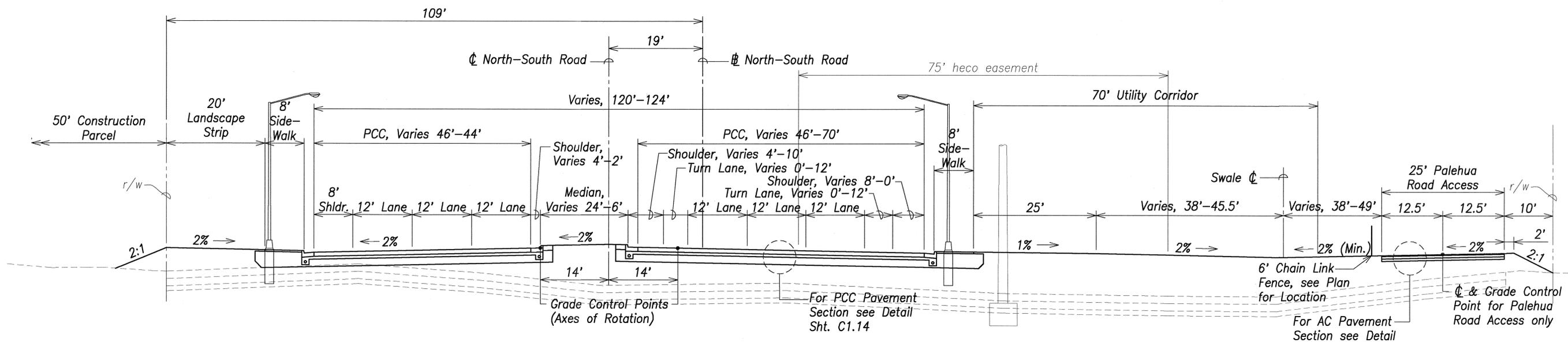
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
DATE OF LICENSE EXPIRY: APR 30, 2008

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION
ROADWAY
TYPICAL SECTIONS - 7
North-South Road
Phase 1B
F.A.I. Proj. No. STP-8930(2)
Scale: 1" = 10' Date: Feb 21, 2007
SHEET No. C1.7 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	24	331

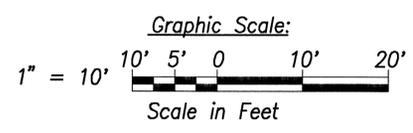


Typical Section - Sta. 98+04.12 to 101+81
Scale: 1" = 10'



Typical Section - Sta. 101+81 to 103+80
Scale: 1" = 10'

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



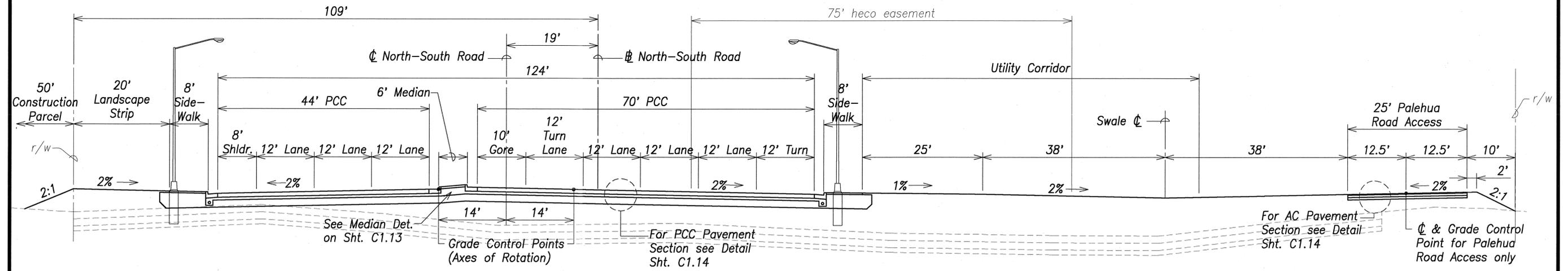
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
DATE OF LICENSE EXPIRY: APR 30, 2008

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY
TYPICAL SECTIONS - 8
North-South Road
Phase 1B
F.A.I. Proj. No. STP-8930(2)

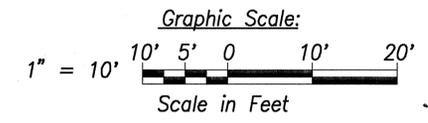
Scale: 1" = 10' Date: Feb 21, 2007
SHEET No. C1.8 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	25	331



Typical Section - Sta. 103+80 to 106+54.90
 Scale: 1" = 10'

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



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 Greg H. Hiyakimoto
 APR 30, 2008
 DATE OF LICENSE EXPIRY

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY
TYPICAL SECTIONS - 9
 North-South Road
 Phase 1B
 F.A.I. Proj. No. STP-8930(2)
 Scale: 1" = 10' Date: Feb 21, 2007
SHEET No. C1.9 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	ADD. 26	331

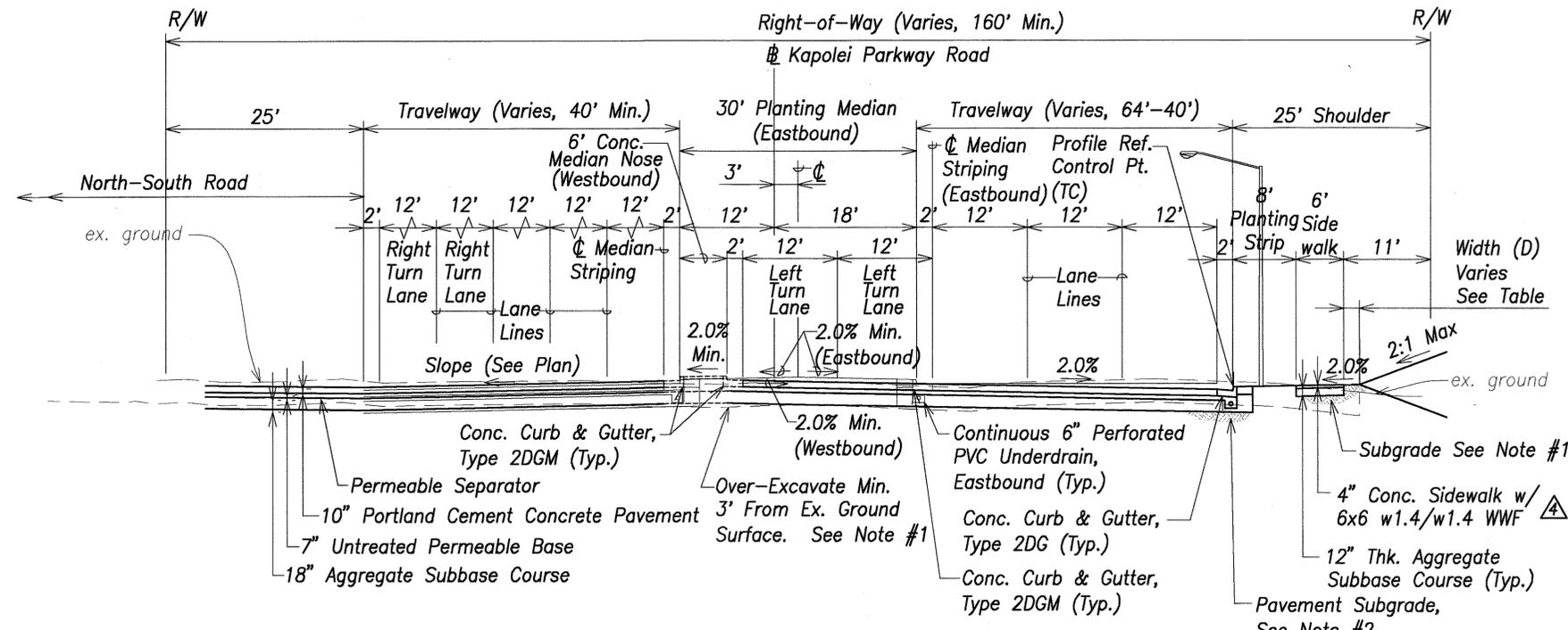
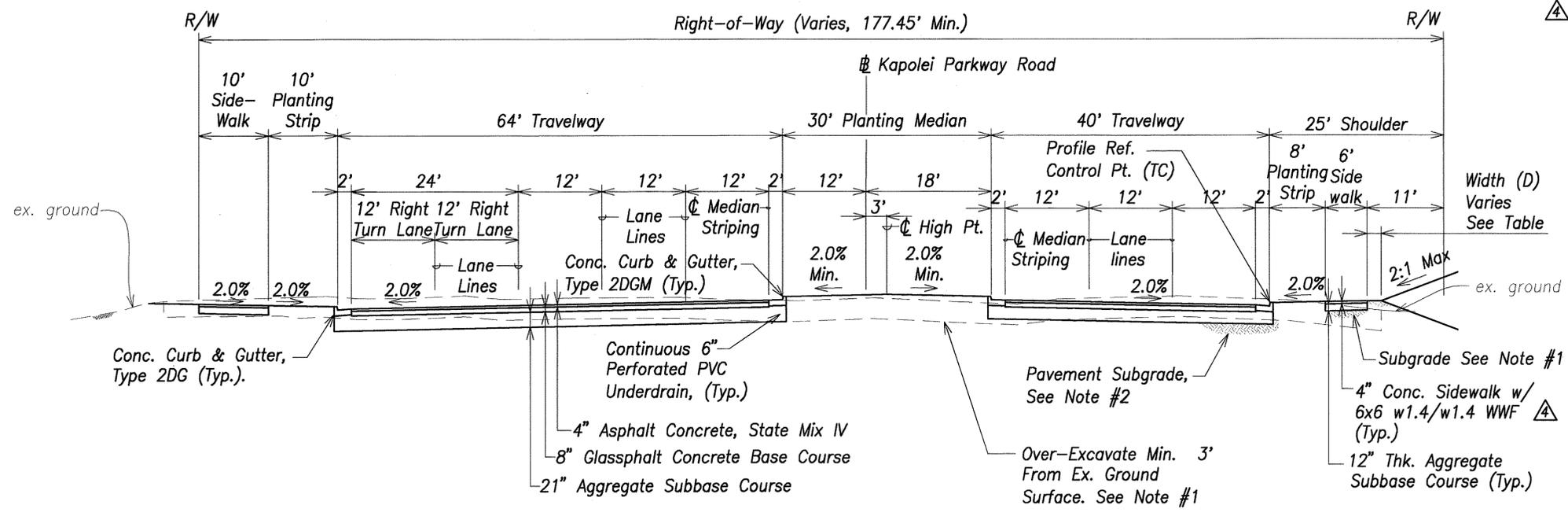


Table for Horizontal Distances from Property Line to Top of Cut or Bottom of Fill Slope

Height of Cut or Fill	Distance (D)
0 to 4 Feet	2
4 to 8 Feet	4
8 to 15 Feet	6
Greater than 15 Feet	8

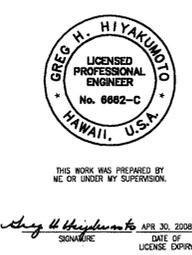
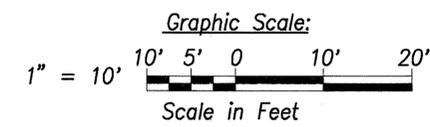
Typical Section (# Sta. (-)1+63.11 to # Sta. 1+24.97)
Scale: 1" = 10'



Typical Section (# Sta. 1+24.97 to # Sta. 1+93.48)
Scale: 1" = 10'

- Kapolei Parkway Intersection Notes:**
- In areas beyond the exist. coral/ac road, the contractor shall over-excavate existing soils to a minimum depth of 36-inches below existing ground surface. Scarify subgrade to a minimum depth of 12-inches, moisture-condition to at least 2 percent above the optimum moisture content and compact to not less than 90 percent relative compaction.
 - In proposed pavement areas, excavate to the pavement subgrade level (bottom of the aggregate subbase course layer), scarify to a depth of at least 12-inches, moisture-condition to above the optimum moisture content, and compact to not less than 95% relative compaction.
 - Sidewalk subgrade shall be scarified to a depth of at least 12-inches, moisture-condition to at least 2% above the optimum moisture content and compact to not less than 90% relative compaction.
 - Fill and backfill materials shall be placed in level lifts not exceeding 8-inches in loose thickness.

DATE	.....
DESIGNED BY	.....
CHECKED BY	.....
DATE	.....
DESIGNED BY	.....
CHECKED BY	.....
DATE	.....
DESIGNED BY	.....
CHECKED BY	.....



5/31/07 Revised sidewalk, note

DATE REVISION

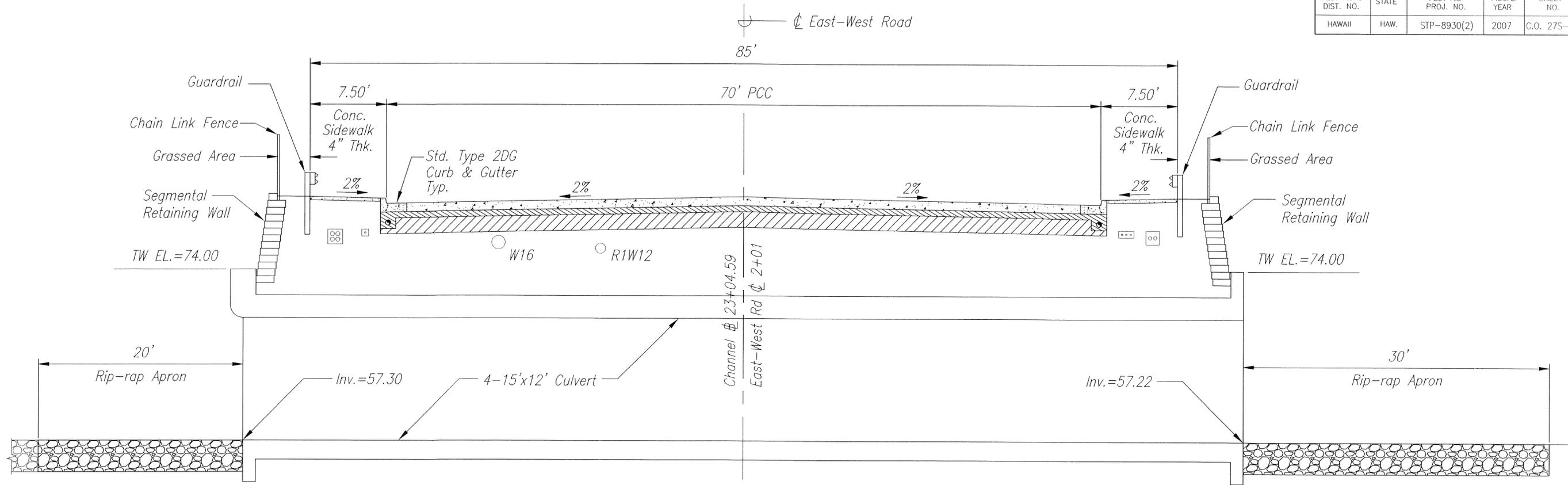
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

KAPOLEI PARKWAY INTERSECTION
TYPICAL SECTIONS
North-South Road
Phase 1B
F.A.I. Proj. No. STP-8930(2)

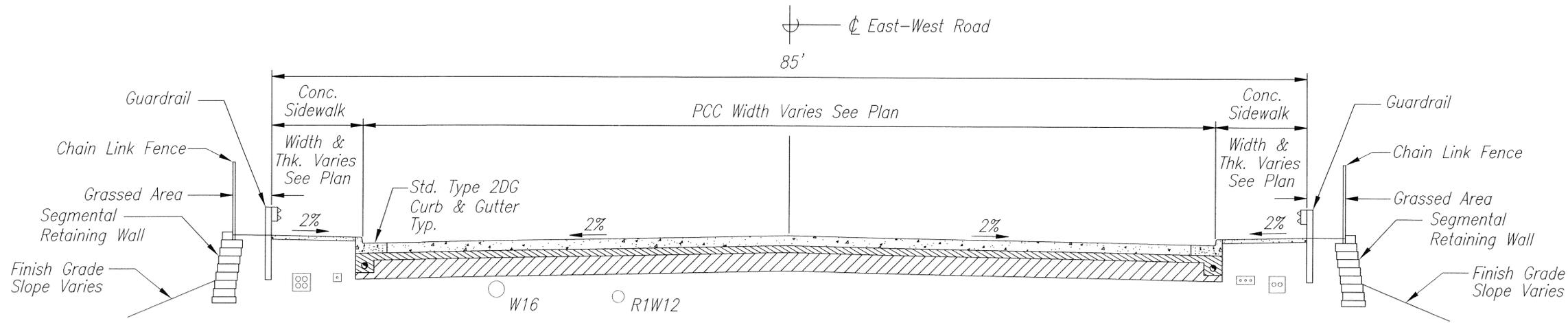
Scale: 1" = 10' Date: Feb 21, 2007

SHEET No. C.1.10 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	C.O. 27S-1	331



Typical Section over ϕ Culvert
Scale: 1" = 5'

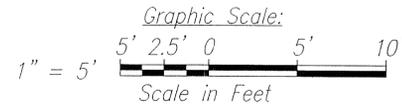


Typical Section @ 4" & 6" Sidewalk
Scale: 1" = 5'

NOTES:

1. For Add'l Info. See Sht. No. 27.
2. For PCC Sect. See Sht. No. 30.
3. For Guardrail Det., See Sht. No. C.O. 182S-2 & S-3.
4. For Segmental Wall Det., See Sht. No. C.O.ADD. 197 & 197S-1.

DESIGNED BY	DATE
DRAWN BY	
CHECKED BY	
IN CHARGE	
NO. _____	

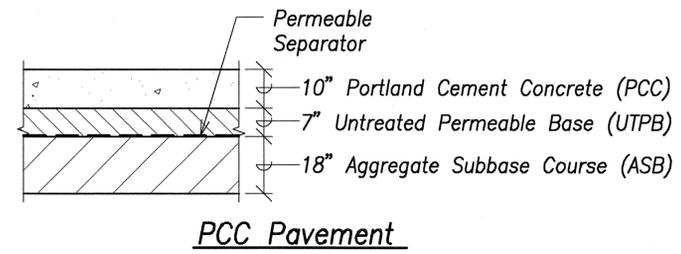


THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.
Douglas S. Kawaja
 SIGNATURE DATE OF LICENSE EXPIRATION
 APRIL 30, 2010

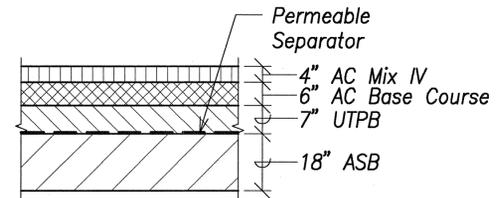
cp&e Community Planning and Engineering, Inc.
 Engineering Design | Construction Management | Infrastructure Planning
 1100 Alakea Street, Sixth Floor Honolulu, Hawaii

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
EAST-WEST COLLECTOR RD.
SECTIONS
 North-South Road
 Phase 1B
 F.A.I. Proj. No. STP-8930(2)
 Scale: 1" = 5' Date: Apr 15, 2008
 SHEET No. C1.11 OF 150 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-8930(2)	2007	30	331



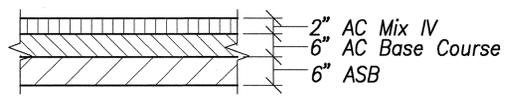
PCC Pavement



AC Pavement

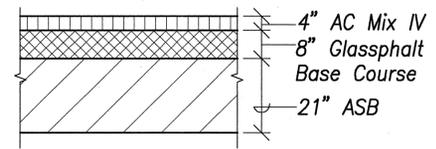
North-South Road Pavement Sections

Scale: 1" = 2'



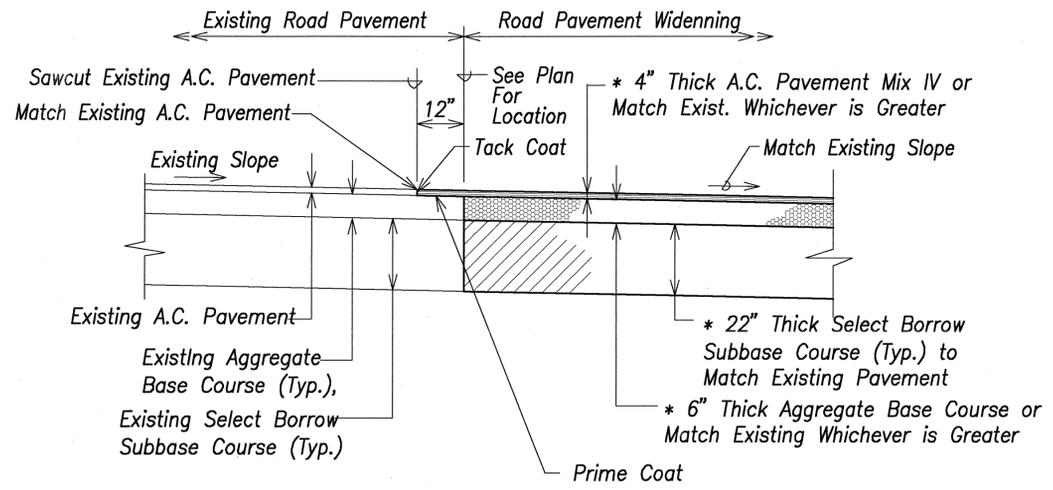
Palehua Road Access Pavement Section

Scale: 1" = 2'



Kapolei Parkway Pavement Section

Scale: 1" = 2'



*** NOTE:**
Pavement Structure shall be Equal or Better than Existing in Quality and Thickness.

Farrington Highway Intersection- Pavement Prism

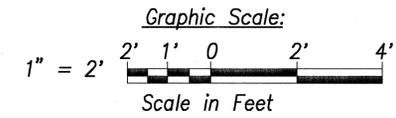
Not To Scale

SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
NOTE BOOK	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
No.	



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature: *Greg A. Hiyakunio* APR 30, 2008
DATE OF LICENSE EXPIRY



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTION DETAILS - 2

North-South Road
Phase 1B
F.A.I. Proj. No. STP-8930(2)

Scale: As Shown Date: Feb 21, 2007

SHEET No. C1.14 OF 150 SHEETS