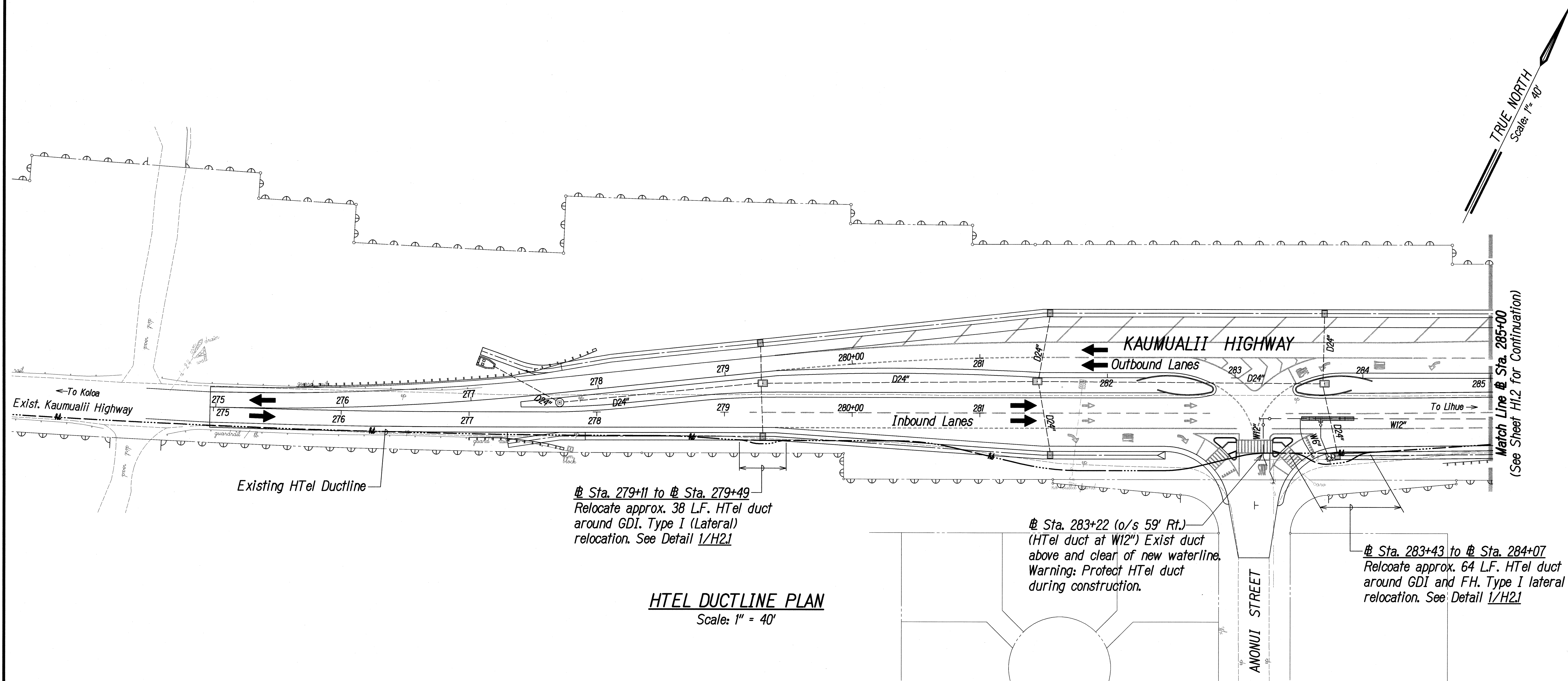


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-050-1(31)	2009	396	452



HTEL DUCTLINE PLAN
Scale: 1" = 40'

Hawaiian Telcom Notes:
See Notes on Sheet E-2.

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

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P.E., Inc.
dba PARK ENGINEERING
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DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

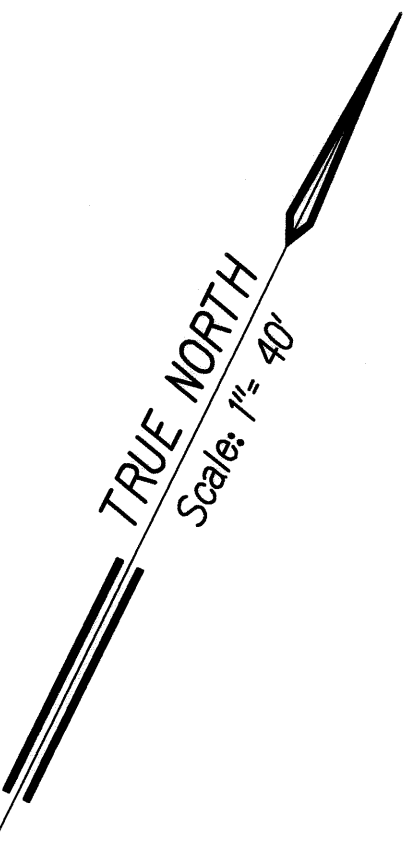
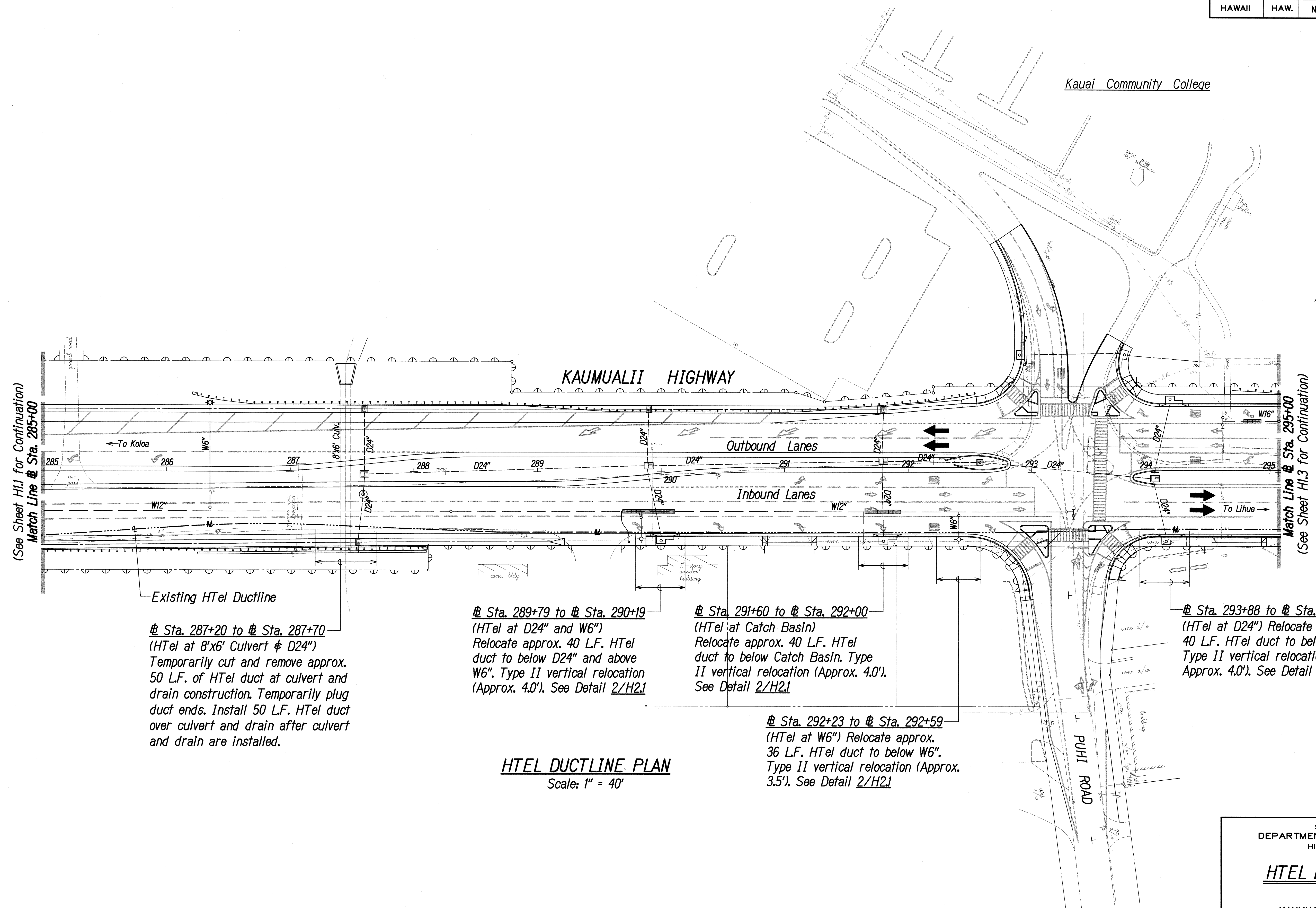
HTEL DUCTLINE PLAN

KAUMUALII HIGHWAY WIDENING
Vicinity of Anonui Street to Vicinity of Lihue Mill Bridge
FEDERAL-AID PROJECT NO. NH-050-1(31)

Scale: 1" = 40' Date: MAY 2009

SHEET No. **H1.1** OF **H1.6** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-050-1(31)	2009	397	452



(See Sheet HI.1 for Continuation)
Match Line @ Sta. 285+00

Match Line @ Sta. 295+00
(See Sheet HI.3 for Continuation)

Existing HTel Ductline

± Sta. 287+20 to ± Sta. 287+70
(HTel at 8'x6' Culvert & D24")
Temporarily cut and remove approx.
50 L.F. of HTel duct at culvert and
drain construction. Temporarily plug
duct ends. Install 50 L.F. HTel duct
over culvert and drain after culvert
and drain are installed.

± Sta. 289+79 to ± Sta. 290+19
(HTel at D24" and W6")
Relocate approx. 40 L.F. HTel
duct to below D24" and above
W6". Type II vertical relocation
(Approx. 4.0'). See Detail 2/H2.1

± Sta. 291+60 to ± Sta. 292+00
(HTel at Catch Basin)
Relocate approx. 40 L.F. HTel
duct to below Catch Basin. Type
II vertical relocation (Approx. 4.0').
See Detail 2/H2.1

± Sta. 292+23 to ± Sta. 292+59
(HTel at W6") Relocate approx.
36 L.F. HTel duct to below W6".
Type II vertical relocation (Approx.
3.5'). See Detail 2/H2.1

± Sta. 293+88 to ± Sta. 294+28
(HTel at D24") Relocate approx.
40 L.F. HTel duct to below D24"
Type II vertical relocation
(Approx. 4.0'). See Detail 2/H2.1

HTEL DUCTLINE PLAN
Scale: 1" = 40'

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	CHECKED BY	
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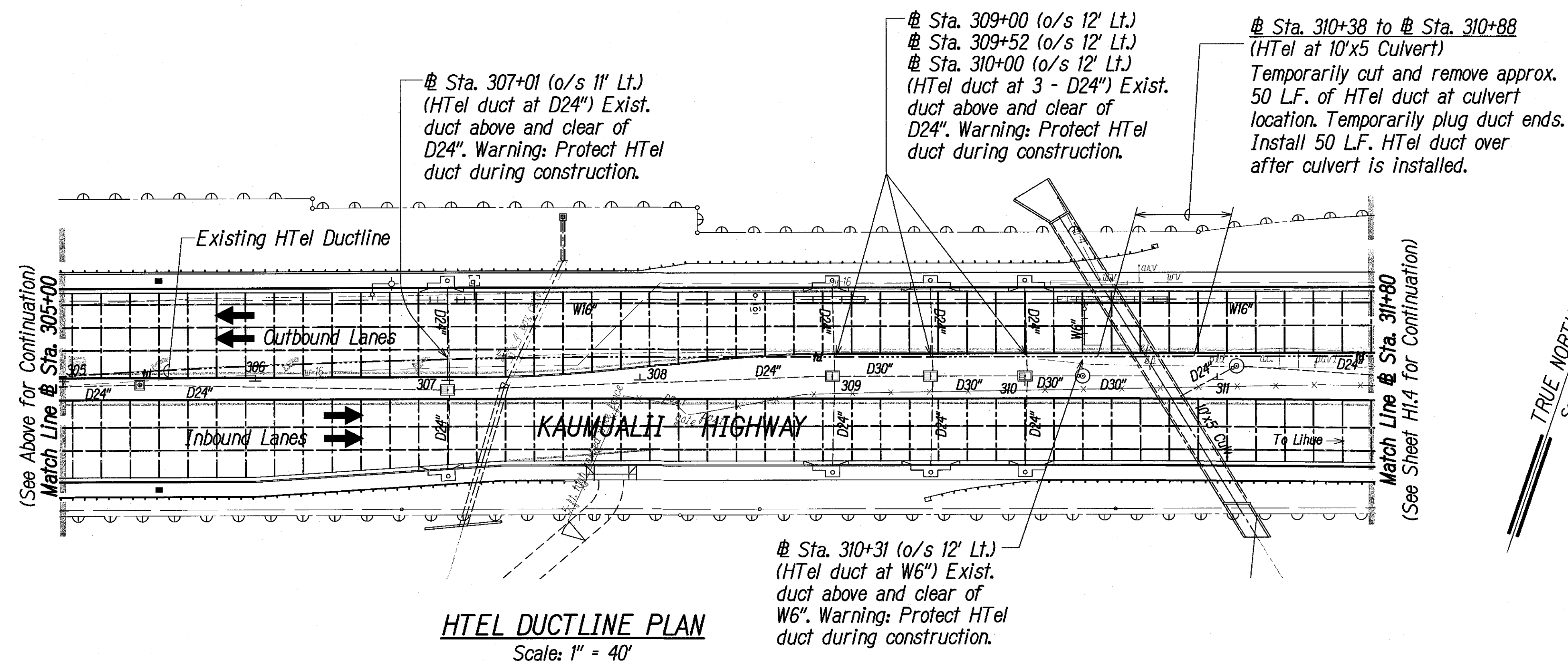
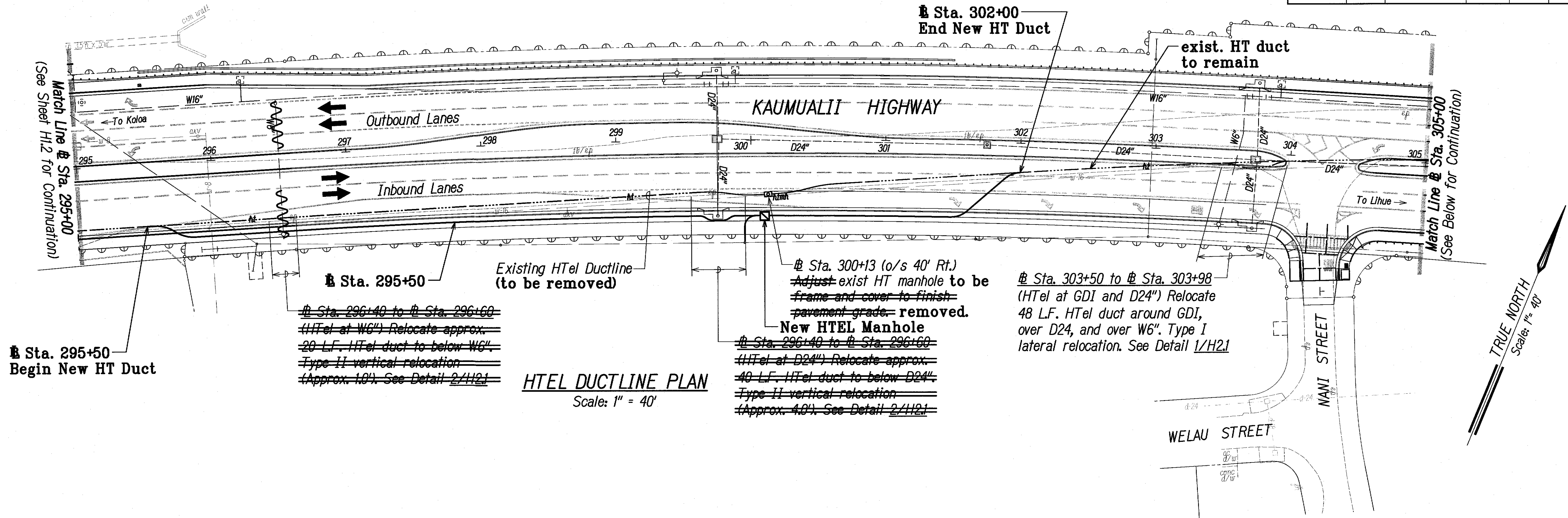
Glenn K. Ikeda
P.E., Inc.
aka PARK ENGINEERING
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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

HTEL DUCTLINE PLAN

KAUMUALII HIGHWAY WIDENING
Vicinity of Anonui Street to Vicinity of Lihue Mill Bridge
FEDERAL-AID PROJECT NO. NH-050-1(31)
Scale: 1" = 40' Date: MAY 2009
SHEET No. **HI.2** OF **HI.6** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-050-1(31)	2009	398	452



LEGEND FOR AS-BUILT POSTINGS	
~~~~~	Squiggly line for as-built deletion
==	Double line for as-built deletion
Roadway	Text for as-built posting



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**HTel Ductline Plan**

KAUMUALII HIGHWAY WIDENING  
Vicinity of Anonui Street to Vicinity of Lihue Mill Bridge  
FEDERAL-AID PROJECT NO. NH-050-1(31)

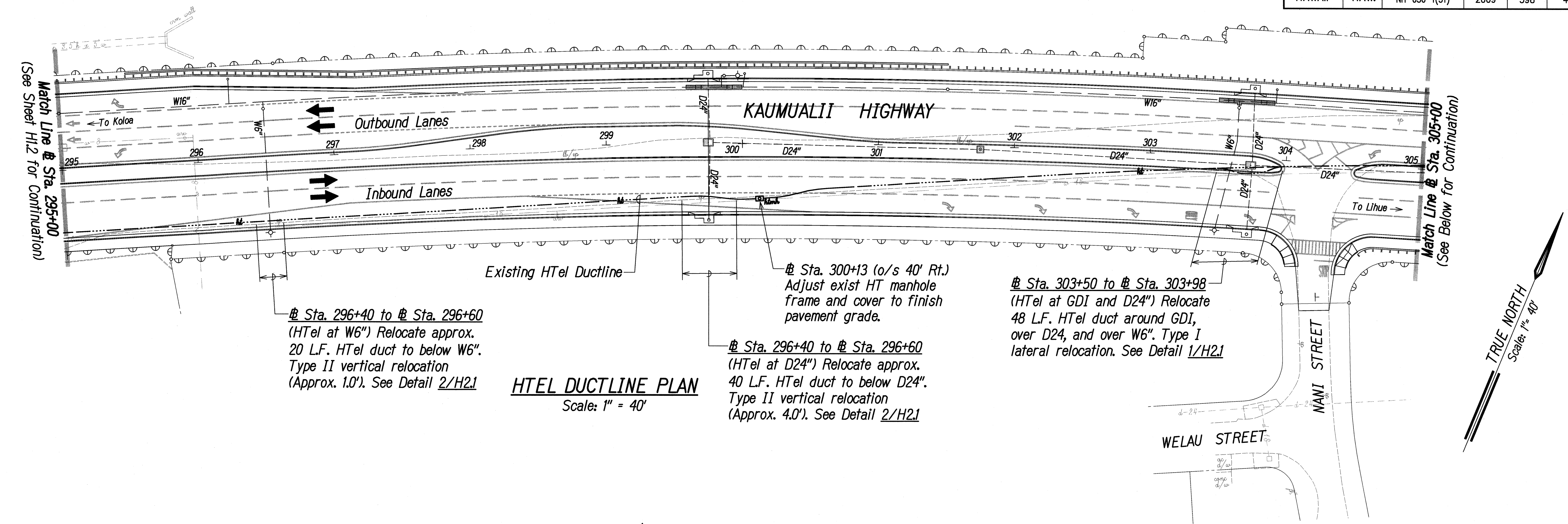
Scale: 1" = 40' Date: JAN. 2010

SHEET No. H1.3 OF H1.6 SHEETS

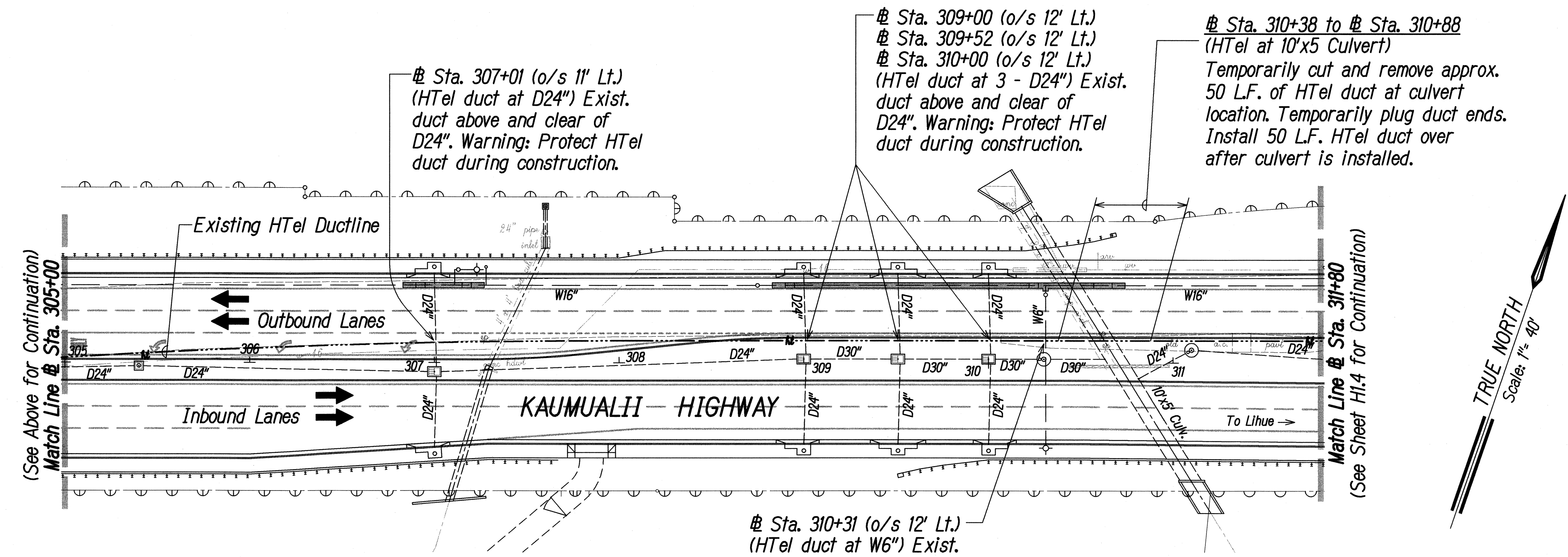
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ORIGINAL PLAN	
NOTE BOOK	
No.	

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-050-1(31)	2009	398	452



**HTel DUCTLINE PLAN**  
Scale: 1" = 40'



**HTel DUCTLINE PLAN**  
Scale: 1" = 40'

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QUANTITIES BY	
NOTES BY	
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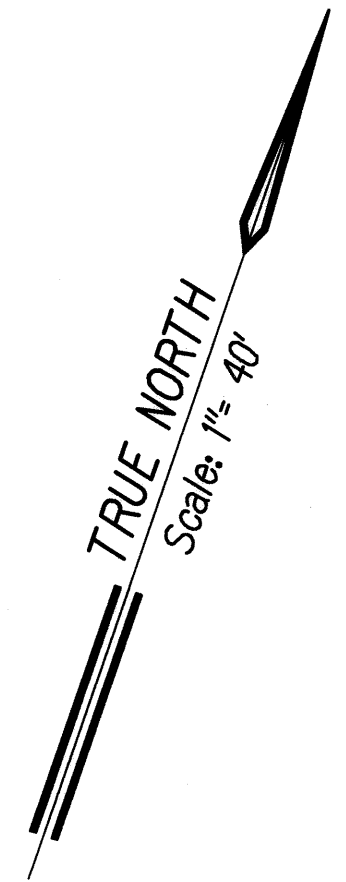
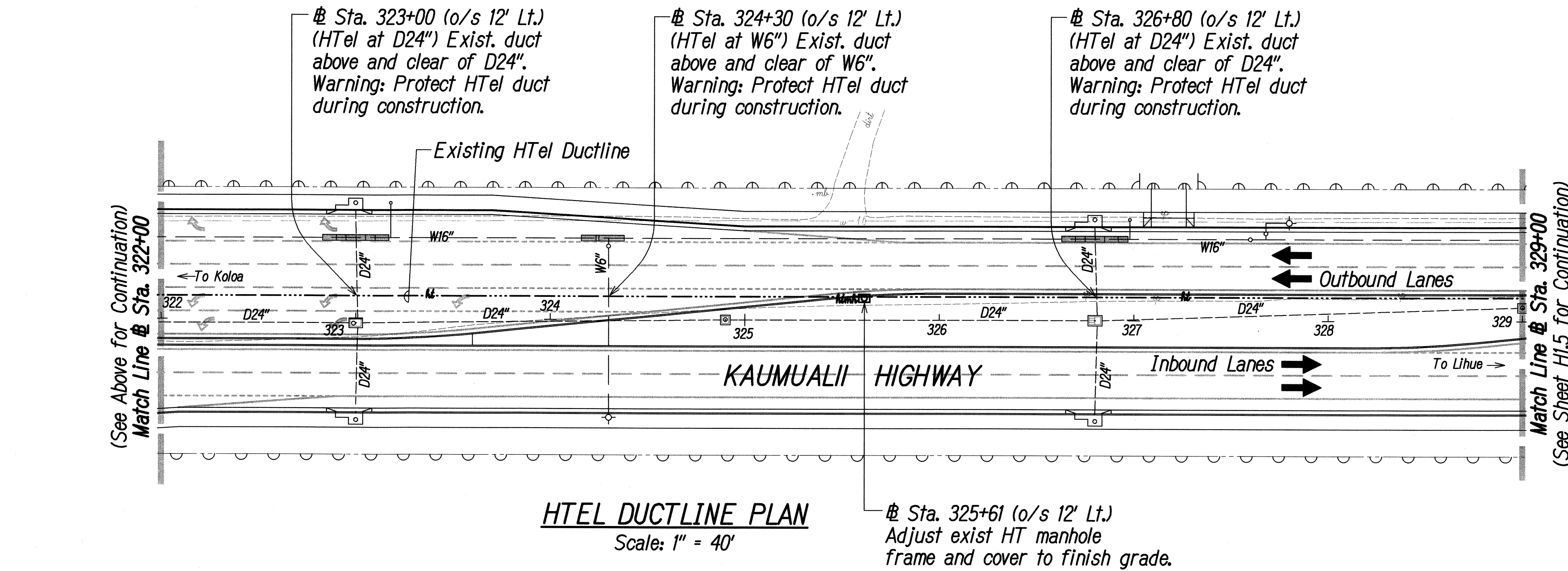
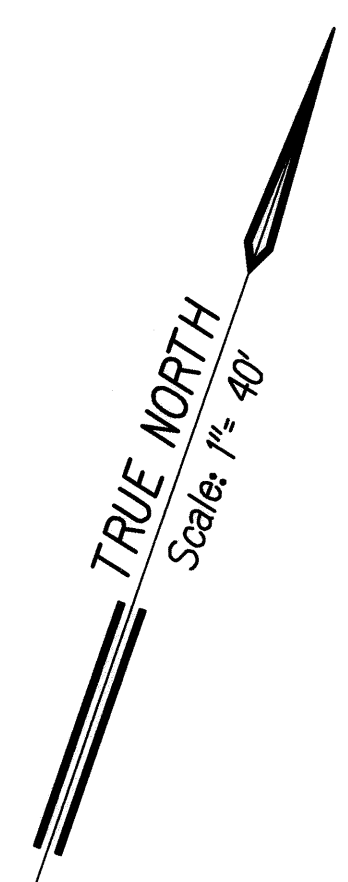
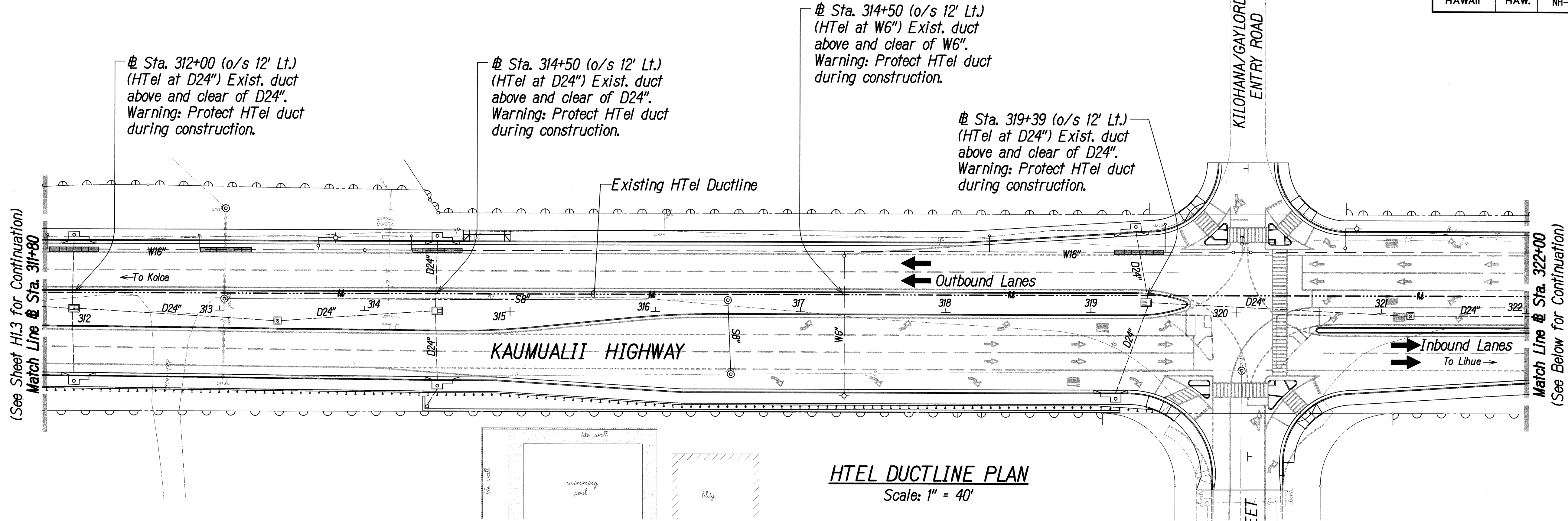
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**HTel DUCTLINE PLAN**  
  
KAUMUALII HIGHWAY WIDENING  
Vicinity of Anonui Street to Vicinity of Lihue Mill Bridge  
FEDERAL-AID PROJECT NO. NH-050-1(31)  
Scale: 1" = 40' Date: MAY 2009

SHEET No. **HI.3** OF **HI.6** SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-050-1(31)	2009	399	452



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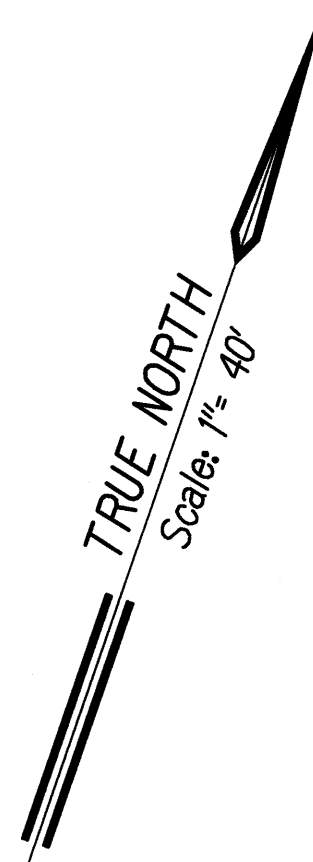
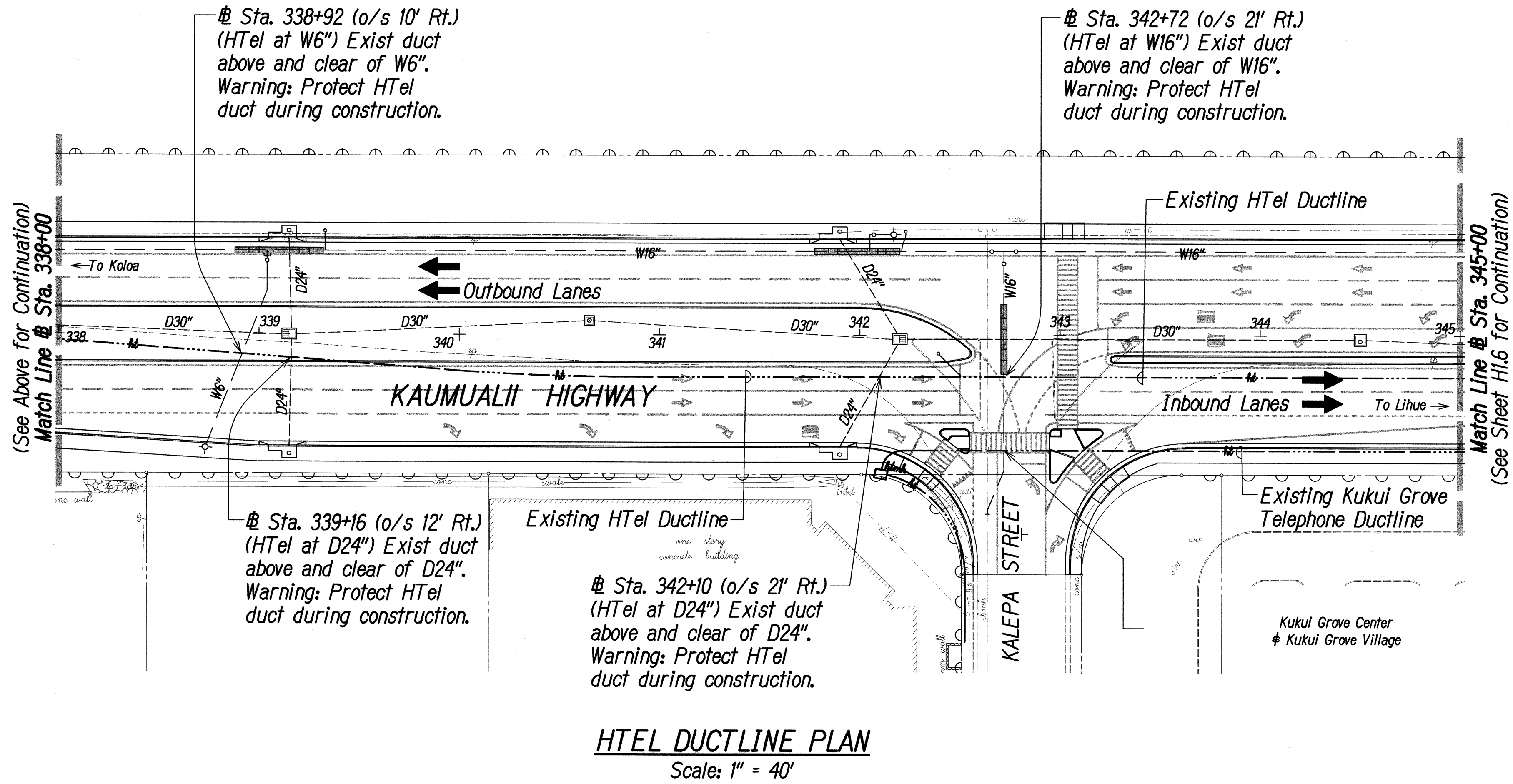
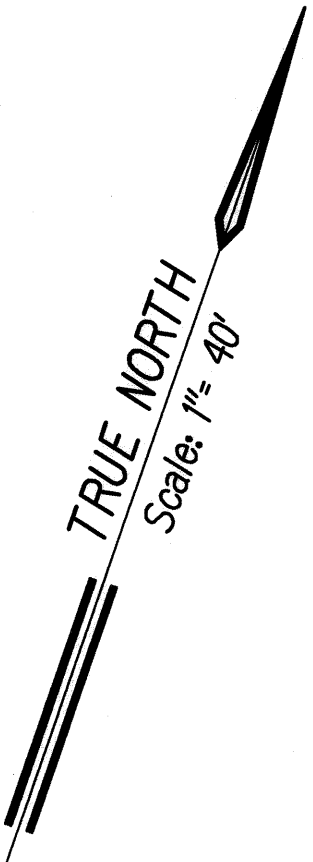
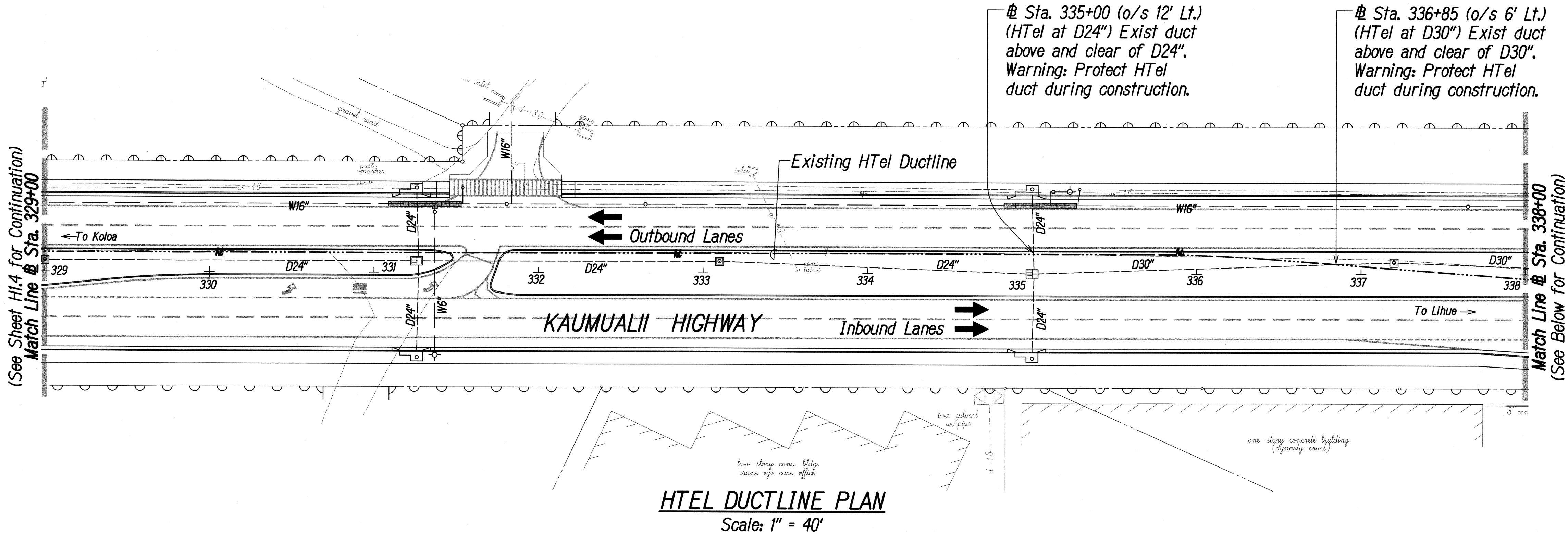
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STATE OF HAWAII  
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HIGHWAYS DIVISION

**HTel DUCTLINE PLAN**  
  
KAUMUALII HIGHWAY WIDENING  
Vicinity of Anonui Street to Vicinity of Lihue Mill Bridge  
FEDERAL-AID PROJECT NO. NH-050-1(31)  
Scale: 1" = 40' Date: MAY 2009

SHEET No. *HI.4* OF *HI.6* SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-050-1(31)	2009	400	452



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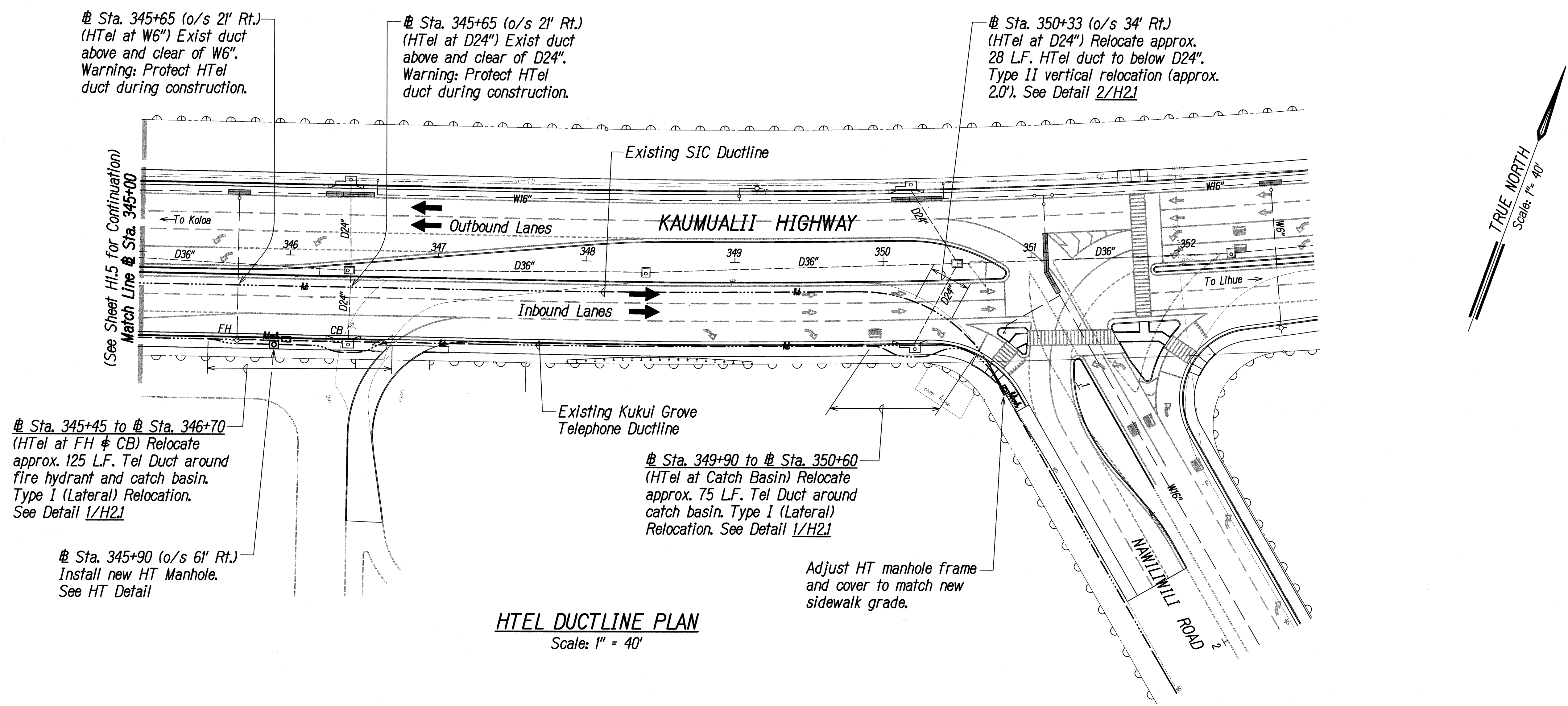
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STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**HTel DUCTLINE PLAN**  
  
KAUMUALII HIGHWAY WIDENING  
Vicinity of Anonui Street to Vicinity of Lihue Mill Bridge  
FEDERAL-AID PROJECT NO. NH-050-1(31)  
Scale: 1" = 40' Date: MAY 2009

SHEET No. *HI.5* OF *HI.6* SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-050-1(31)	2009	401	452



HTel DUCTLINE PLAN  
 Scale: 1" = 40'

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 No. 8328-C  
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 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION

**HTel DUCTLINE PLAN**

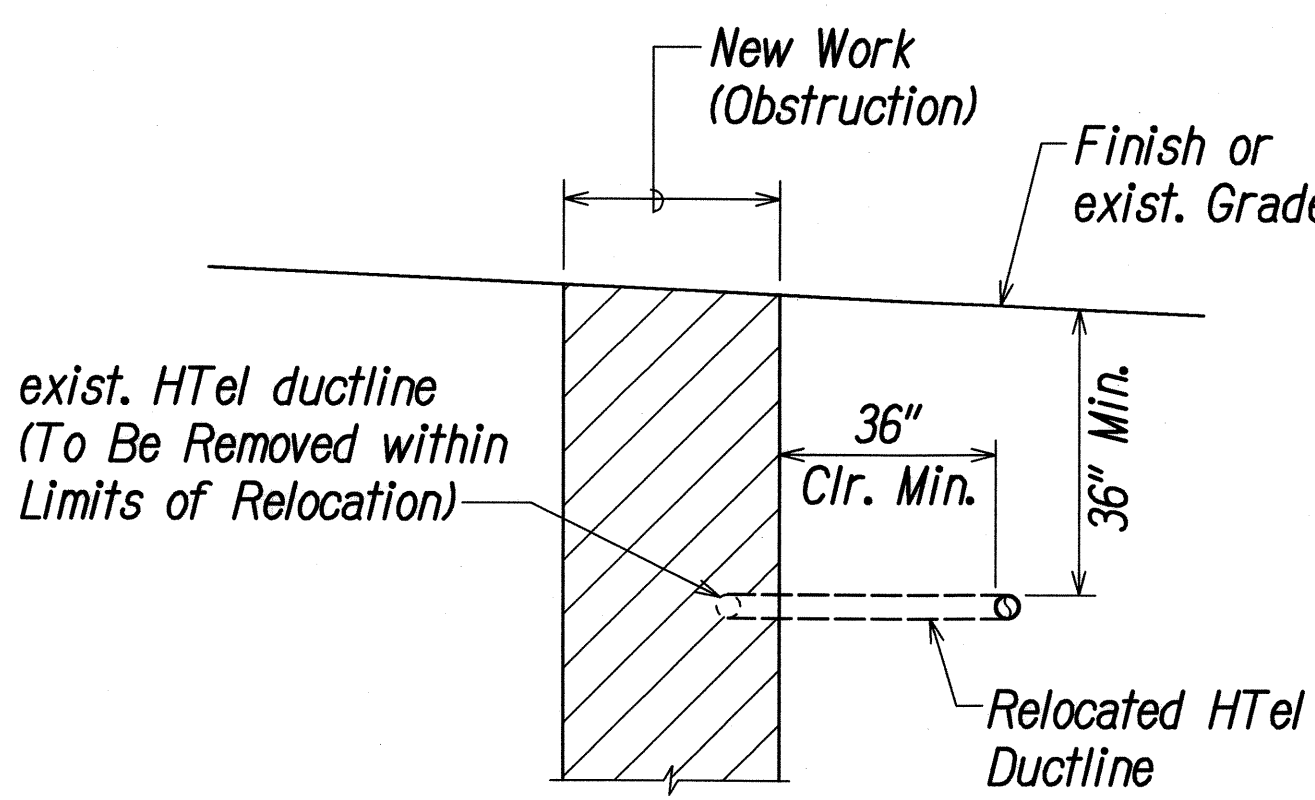
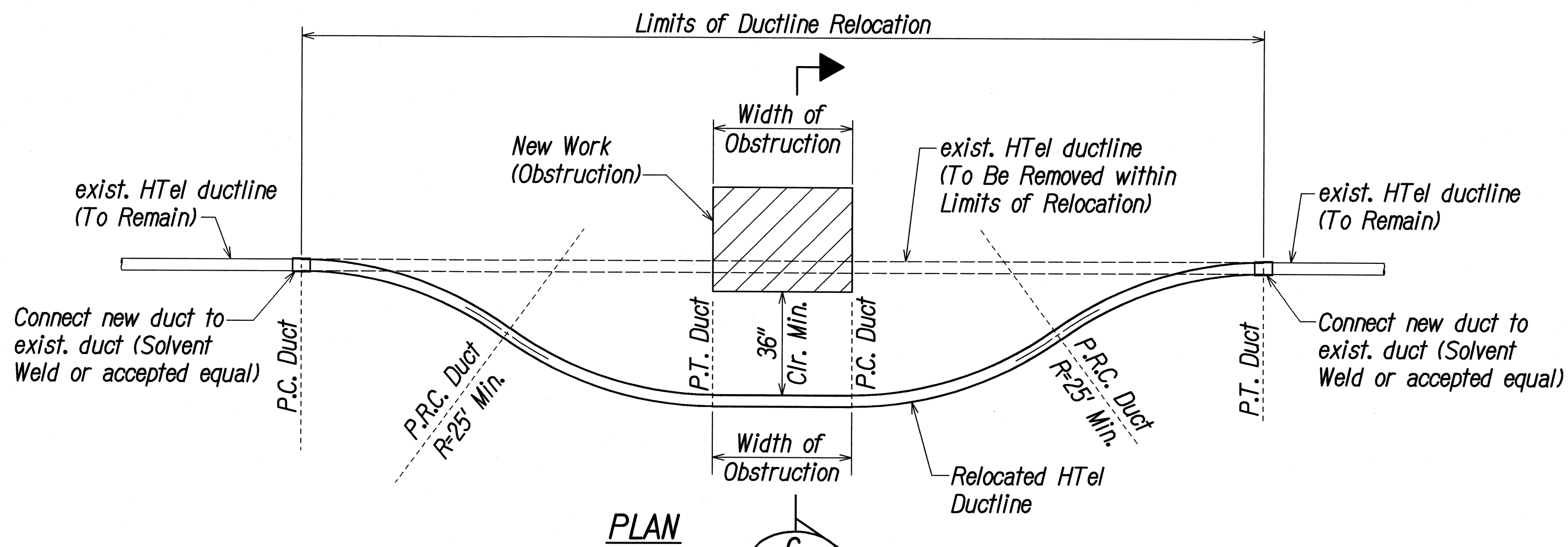
KAUMUALII HIGHWAY WIDENING  
 Vicinity of Anonui Street to Vicinity of Lihue Mill Bridge  
 FEDERAL-AID PROJECT NO. NH-050-1(31)

Scale: 1" = 40'

Date: MAY 2009

SHEET No. **H1.6** OF **H1.6** SHEETS

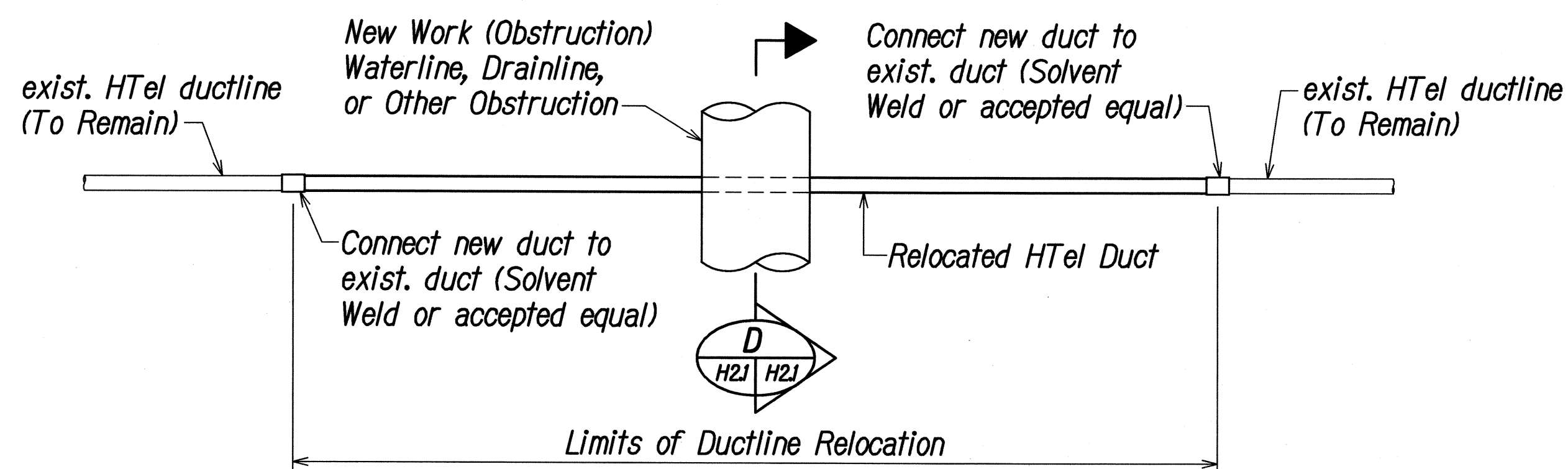
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	NH-050-1(31)	2009	402	452



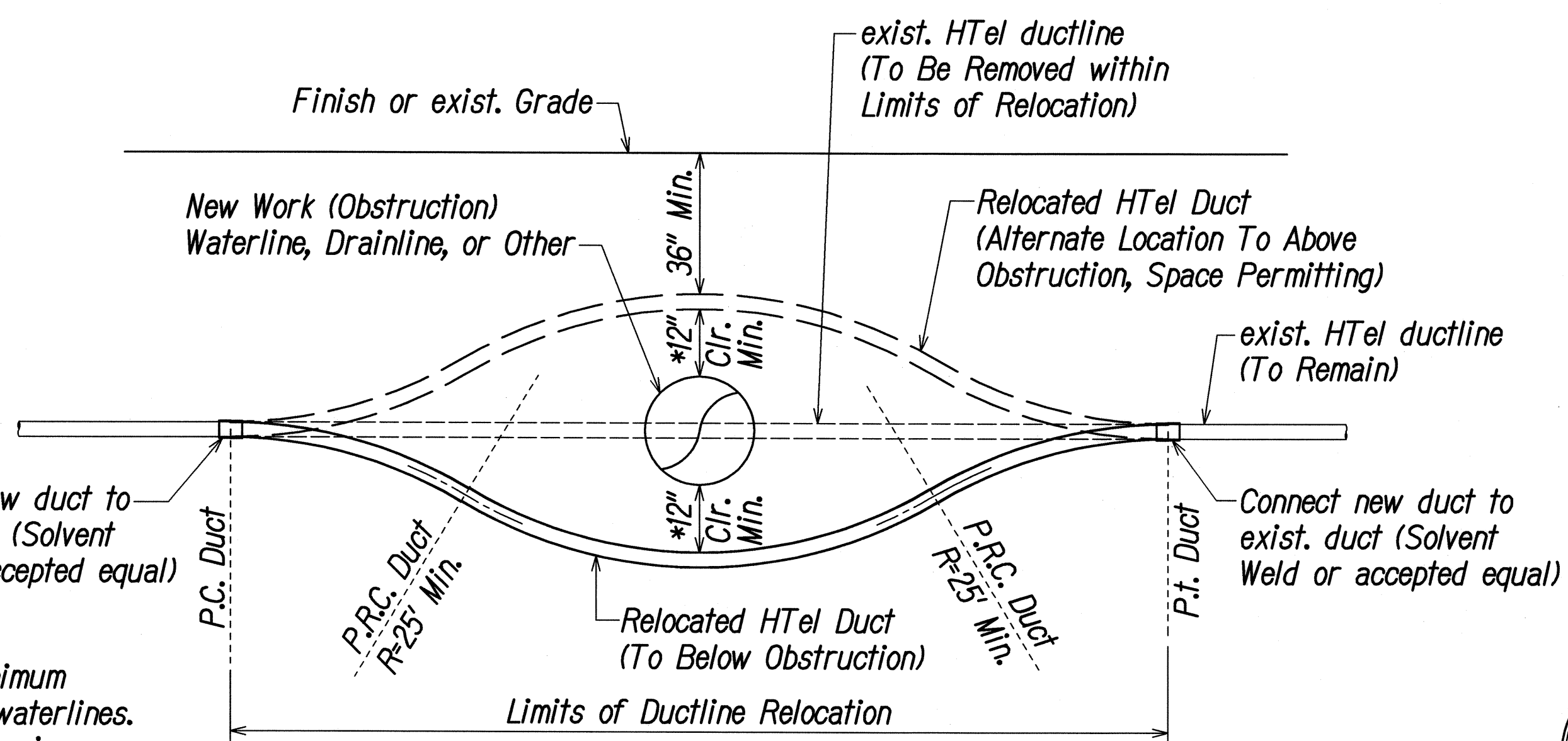
SECTION C  
H2J H2J

TYPICAL HTel DUCT RELOCATION DETAIL  
TYPE I (LATERAL) RELOCATION

Not to Scale  
H1.1 to H1.6



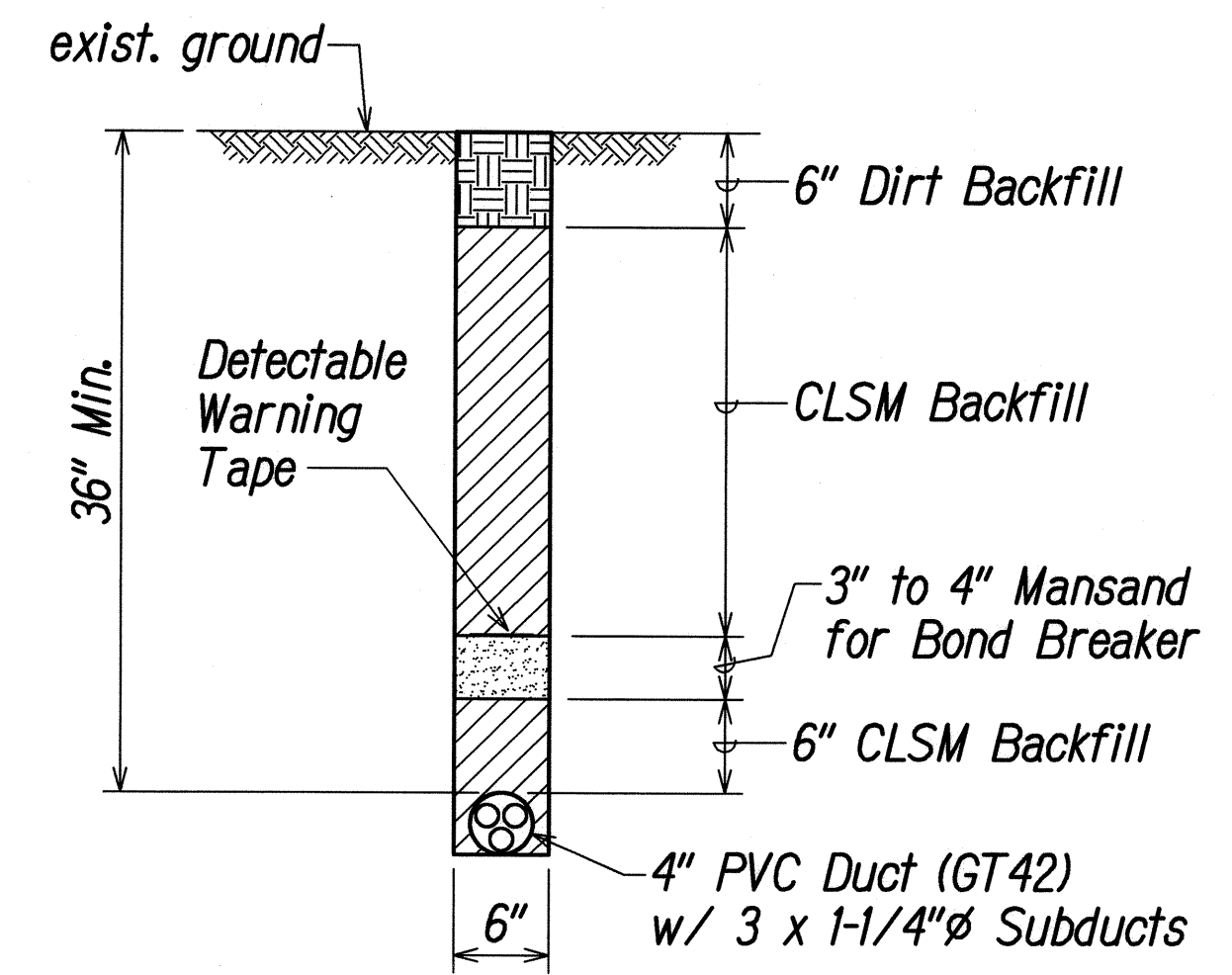
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ELEVATION

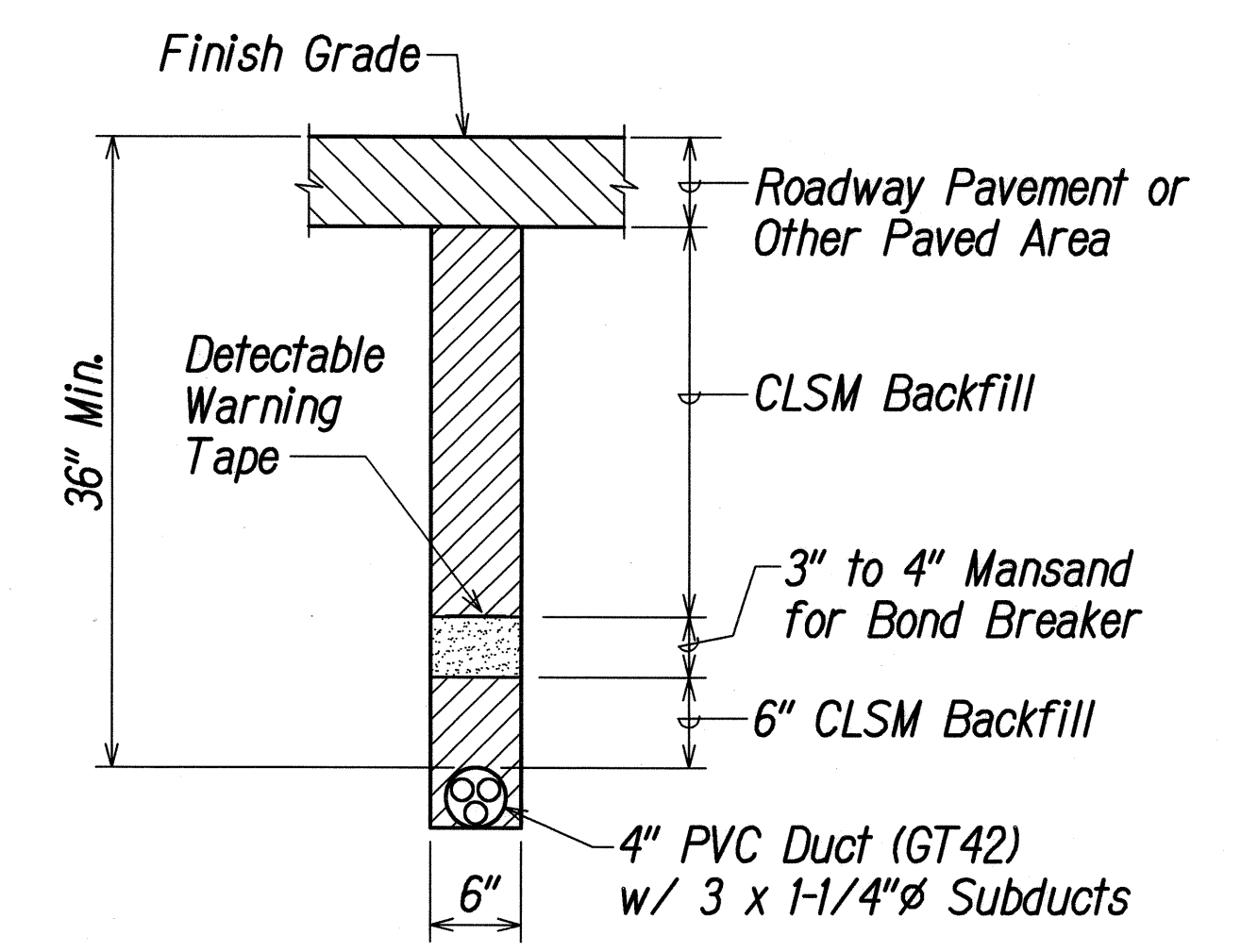
TYPICAL HTel DUCT RELOCATION DETAIL  
TYPE II (VERTICAL) RELOCATION

Not to Scale  
H1.1 to H1.6



TYPICAL DUCT SECTION  
(DIRT OR GRASS AREAS)

Not to Scale  
H1.1 to H1.6



TYPICAL DUCT SECTION  
(PAVED AREAS)

Not to Scale  
H1.1 to H1.6

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HIGHWAYS DIVISION

HTel DUCTLINE DETAILS

KAUMUALII HIGHWAY WIDENING  
Vicinity of Anonui Street to Vicinity of Lihue Mill Bridge  
FEDERAL-AID PROJECT NO. NH-050-1(31)

Scale: None  
Date: MAY 2009

SHEET No. H2J OF H2J SHEETS