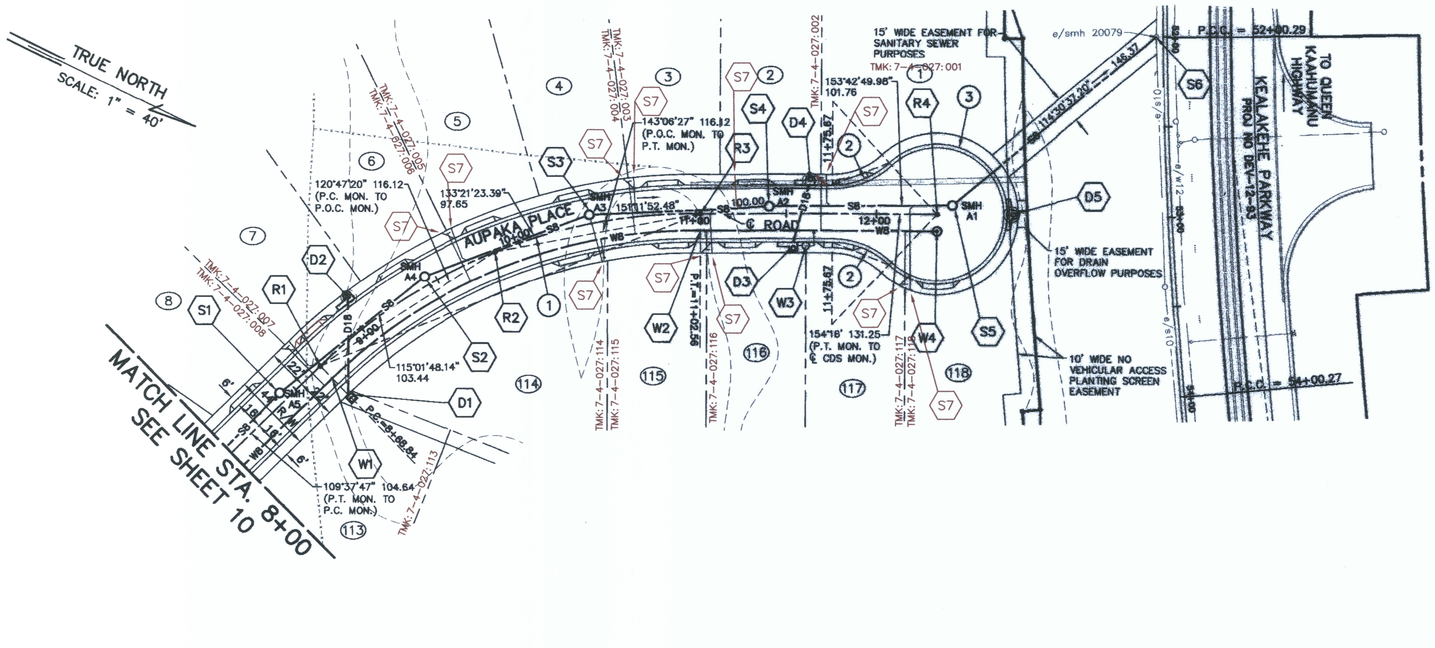


AUPAKA PLACE CONT'D. 8+00 TO END – PLAN
SCALE: 1" = 40'

ROAD NOTES

(R1) P.C. STA. 8+68.84 ℄ AUPAKA PLACE
INSTALL ST. SURVEY MONUMENT
TOP OF PIN EL. = ~~348.36~~ 348.45

(R2) P.O.C. STA. ~~9+85.70~~ 9+85.69 ℄ AUPAKA PLACE
INSTALL ST. SURVEY MONUMENT
TOP OF PIN EL. = ~~339.63~~ 339.78

(R3) P.T. STA. ~~11+02.56~~ 11+02.54 ℄ AUPAKA PLACE
INSTALL ST. SURVEY MONUMENT
TOP OF PIN EL. = ~~333.79~~ 334.00

(R4) ℄ CDS STA. ~~12+33.82~~ 12+33.80
℄ AUPAKA PLACE
INSTALL ST. SURVEY MONUMENT
TOP OF PIN EL. = ~~327.23~~ 327.55

SEWER NOTES

(S1) STA. 8+42.31 O/S 5' LT.
℄ AUPAKA PLACE
CONSTRUCT SMH #A5
TOP = 350.48
INV. = 341.18

(S2) STA. 9+44.84 O/S 5' LT.
℄ AUPAKA PLACE
CONSTRUCT SMH #A4
TOP = 341.90
INV. = 334.78

(S3) STA. 10+41.31 O/S 5' LT.
℄ AUPAKA PLACE
CONSTRUCT SMH #A3
TOP = 336.75
INV. = 329.67
INSTALL 10"x8" CONCENTRIC REDUCER (DWN. STRM. OPNG.)

(S4) STA. 11+40.58 O/S 5' LT.
℄ AUPAKA PLACE
CONSTRUCT SMH #A2
TOP = 331.81
INV. = 324.67

(S5) STA. 12+42.34 O/S 5' LT.
℄ AUPAKA PLACE
CONSTRUCT SHALLOW DROP SMH #A1
TOP = 326.80
INV. = 319.98 (8" IN)
INV. = 318.48 (8" OUT)

(S6) CONNECT NEW 8" SEWER
TO EXIST. SMH "E/SMH 20079"
TOP = 316.15 (EXIST.)
INV. = 307.62 (8" IN)
INV. = 307.0 (EXIST. 10" OUT)
RECHANNELIZE INVERT
SEE DETAIL SHEET 34

WATER NOTES

(W1) STA. 8+68.84 O/S 9.5' RT.
℄ AUPAKA PLACE
BEGIN PIPE DEFLECTION

(W2) STA. 11+02.56 O/S 9.5' RT.
℄ AUPAKA PLACE
END PIPE DEFLECTION

(W3) STA. 11+65.47 O/S 9.5' RT.
℄ AUPAKA PLACE
INSTALL:
TYPE "A" F.H. CONNECTION
1 – 8" x 6" C.I. TEE, M.J.
2 – MEGALUGS BTWN. TEE & VALVE
1 – NIPPLE, 2' LONG
1 – 6" G.V., M.J.
1 – C.I. VALVE BOX & COVER
1 – 6" 1/4° C.I. BEND, M.J.
1 – 6" HYDRANT ELBOW, M.J.
11 L.F. 6" D.I. PIPE
1– F.H. (HT.=~~4'~~) 6.1'
3 – CONC. BLOCKS

(W4) STA. 12+33.82 O/S 9.5' RT.
℄ AUPAKA PLACE
END 8" WATER
INSTALL:
1 – 8" CAP TAPPED FOR 2" I.P.T.
1 – 2" CLEANOUT
1 – M.H.
1 – CONC. BLOCK

DRAIN NOTES

(D1) G.I. "D6"
SEE SHT. 28
DETAIL "GRATE INLET WITHOUT DRYWELL"

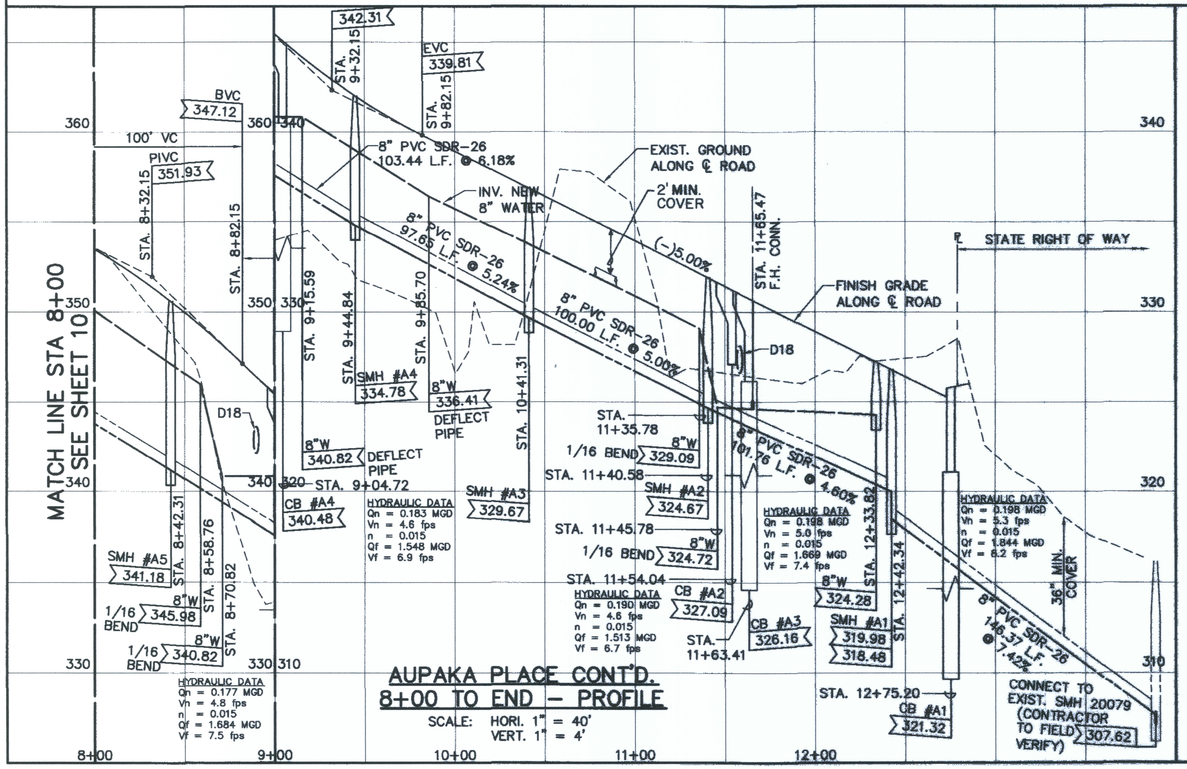
(D2) STA. 9+04.72 ℄ AUPAKA PLACE
CONSTRUCT C.B. "A4"
TYPE "A" OVER EXIST. DRYWELL
TOP OF DRYWELL = 340.48
SEE DETAIL SHEET 30

(D3) STA. 11+54.04 ℄ AUPAKA PLACE
CONSTRUCT C.B. "A2"
TYPE "A" (HDOT STD. PLAN H-01B & H-01C)
INV. = 327.09

(D4) STA. 11+63.41 ℄ AUPAKA PLACE
CONSTRUCT C.B. "A3"
TYPE "A" OVER EXIST. DRYWELL
TOP OF DRYWELL = 326.16
SEE DETAIL SHEET 30

(D5) STA. 12+75.20 ℄ AUPAKA PLACE
CONSTRUCT C.B. "A1"
TYPE "E" OVER DRYWELL
TOP OF DRYWELL = 321.32
SEE DETAIL SHEET 31

CURVE	(1)	(2)	(3)
Δ	44°38'13"	43°09'46"	266°19'33"
Δ/2	22°19'06.5"	21°34'53"	133°09'46.5"
R	300.00	46.00	39.00
T	123.15	18.20	41.58
C	227.85	33.84	56.89
Lc	233.72	34.65	181.28



AUPAKA PLACE CONT'D. 8+00 TO END – PROFILE
SCALE: HORI. 1" = 40'
VERT. 1" = 4'

(S7) INSTALL ADVANCE SEWER RISER CONNECTION IN LOT SEE DETAIL, SHT. 33

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE (HDPE)
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
- SINGLE SERVICE SEWER LATERAL
- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE B C (3) CONNECTION FOR 2 – 5/8" METERS
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METERS
- (5) LOT NUMBER

FOR WORK ALONG KEALAKEHE PARKWAY:

ALL PAVEMENT MARKING(S) DETERMINED TO BE DISTURBED BY THE HAWAII DISTRICT ENGINEER OR HIS REPRESENTATIVE, SHALL BE IMMEDIATELY REPLACED WITHOUT QUESTION AND AT NO COST TO THE STATE.

4 0 4 8
SCALE: 1" = 4'

40 0 40 80
SCALE: 1" = 40'

APPROVED:
DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, COUNTY OF HAWAII — DATE 4/22/09

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

DEPARTMENT OF HAWAIIAN HOME LANDS
LA'I'OPUA VILLAGE 5
TAX MAP KEY: (3) 7-4-21:6
KAILUA–KONA, NORTH KONA, HAWAII

PLAN & PROFILE
AUPAKA PLACE CONT'D.
8+00 TO END

Approved:
COUNTY ENGINEER, DPW, COUNTY OF HAWAII — DATE

AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

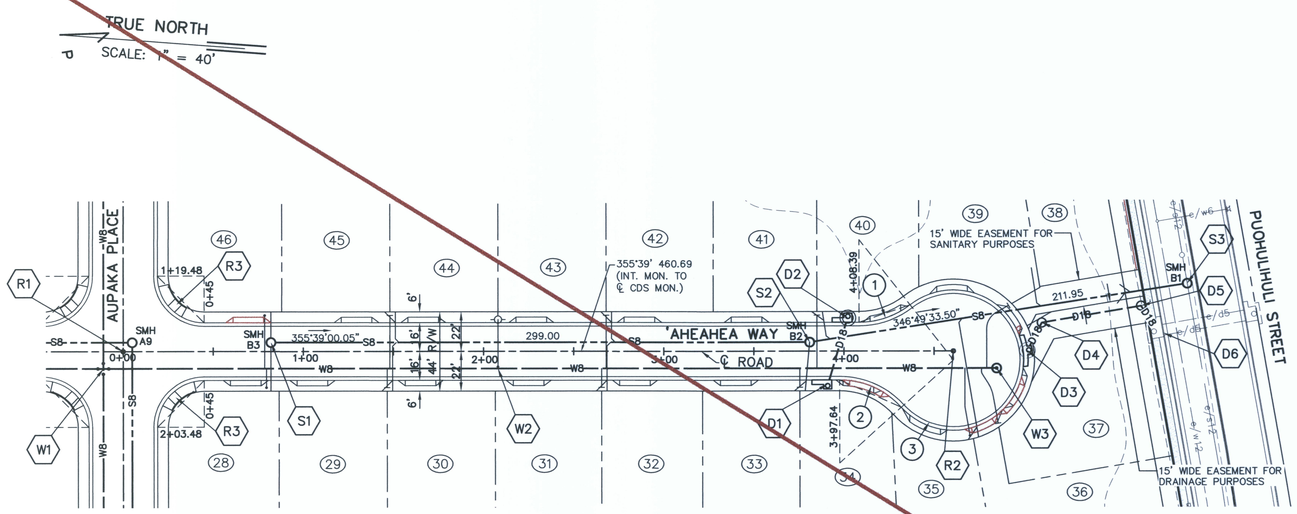
SHELDON T. YAMASATO — LICENSED PROFESSIONAL ENGINEER — No. 4733-C — HAWAII, U.S.A.
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION
LICENSE EXPIRES 4/30/10

AS-BUILT

SHEET 11A OF 67 SHEETS

FILE	PROJECT	FOLDER	NO.

Last Save by: JCT
Last Saved: 4/16/2009
Plotted on: 4/20/2009
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'AHEAHEA WAY – PLAN

SCALE: 1" = 40'

ROAD NOTES

(R1) STA. 0+00 ℄ 'AHEAHEA WAY = STA. 1+61.48 ℄ AUPAKA PLACE ST. SURVEY MONUMENT

(R2) ℄ CDS STA. 4+60.69 ℄ AUPAKA PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = 384.15

(R3) WHEEL CHAIR RAMP SEE DETAIL SHEET 25

SEWER NOTES

(S1) STA. 0+82 O/S 5' LT. ℄ 'AHEAHEA WAY CONSTRUCT SMH #B3 TOP = 395.35 INV. = 389.35

(S2) STA. 3+81 O/S 5' LT. ℄ 'AHEAHEA WAY CONSTRUCT SMH #B2 TOP = 385.98 INV. = 378.82

(S3) STA. 6+50 O/S 37.51' LT. ℄ 'AHEAHEA WAY CONSTRUCT SMH #B1 OVER EXIST. 12" PIPE SEE DETAIL SHEET 34 TOP = 382.33 INV. = 375.16 (CONTRACTOR TO VERIFY IN FIELD)

WATER NOTES

(W1) STA. (–)0+11 O/S 9.5' RT. ℄ 'AHEAHEA WAY 8" CROSS

(W2) STA. 2+08 O/S 9.5' RT. ℄ 'AHEAHEA WAY INSTALL: TYPE "B" F.H. CONNECTION 1 – 8" x 6" C.I. TEE, M.J. 2 – MEGALUGS BTWN. TEE & VALVE 1 – NIPPLE, 2' LONG 1 – 6" G.V., M.J. 1 – C.I. VALVE BOX & COVER 1 – 6" HYDRANT ELBOW, M.J. 29 L.F. 6" D.I. PIPE 1– F.H. (HT.=5') 2 – CONC. BLOCKS

(W3) STA. 4+84.70 O/S 9.5' RT. ℄ 'AHEAHEA WAY END 8" WATER INSTALL: 1 – 8" CAP TAPPED FOR 2" I.P.T. 1 – 2" CLEANOUT 1 – M.H. 1 – CONC. BLOCK SEE DWS STD DETAIL V20

DRAIN NOTES

(D1) STA. 3+90.95 ℄ 'AHEAHEA WAY CONSTRUCT C.B. "B3" TYPE "A" INV. = 381.69

(D2) STA. 4+02.19 ℄ 'AHEAHEA WAY CONSTRUCT C.B. "B2" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 381.30 SEE DETAIL SHEET 29

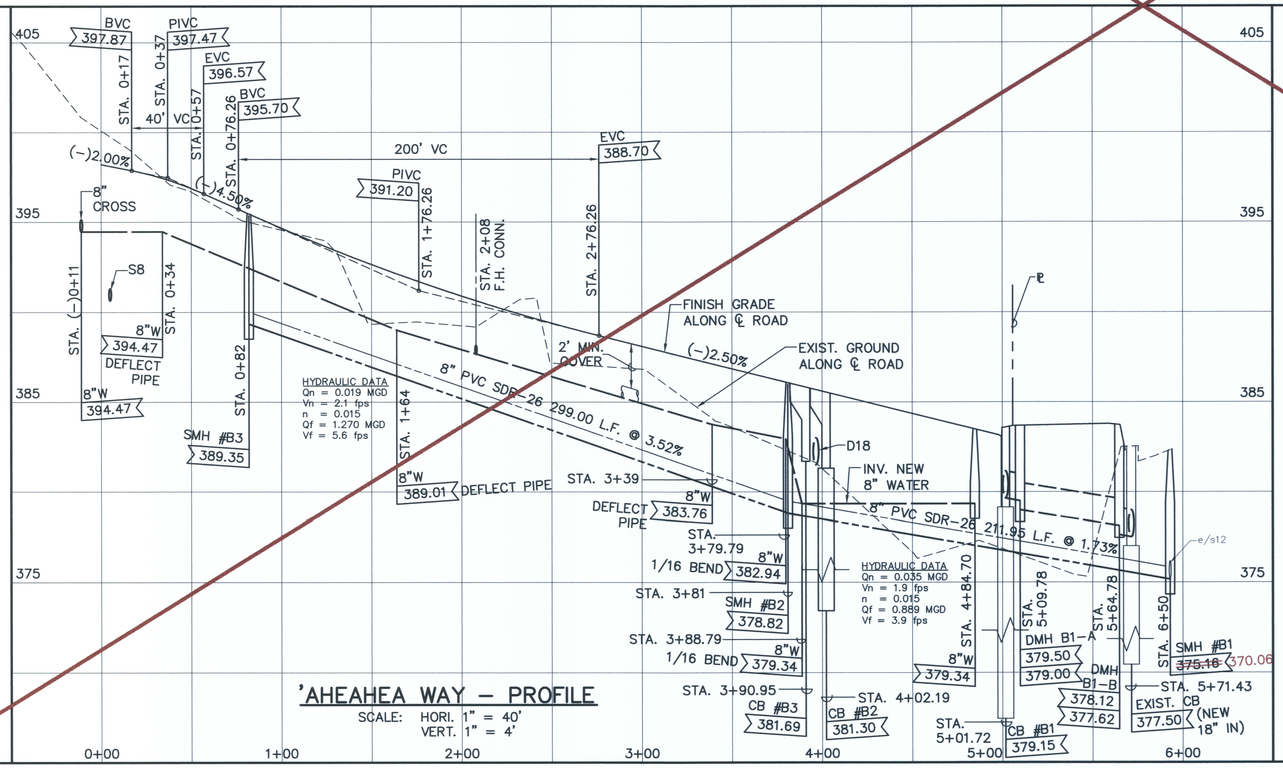
(D3) STA. 5+01.72 ℄ 'AHEAHEA WAY CONSTRUCT C.B. "B1" TYPE "E" OVER EXIST. DRYWELL TOP OF DRYWELL = 379.15 SEE DETAIL SHEET 32

(D4) STA. 5+09.78 ℄ 'AHEAHEA WAY CONSTRUCT SHALLOW DMH "B1A" IN EASEMENT AREA TOP = 384.69 INV. = 379.50 (18" IN) INV. = 379.00 (18" OUT)

(D5) STA. 5+64.78 ℄ 'AHEAHEA WAY CONSTRUCT SHALLOW DMH "B1B" IN EASEMENT AREA TOP = 383.03 INV. = 378.12 (18" IN) INV. = 377.62 (18" OUT)

(D6) STA. 5+71.43 ℄ 'AHEAHEA WAY CONNECT 18" DRAINLINE TO EXIST. C.B. ON PUOHULIHULI STREET TOP = 381.2 INV. = 379.7 (EXIST. 5" IN) INV. = 379.1 (EXIST. 5" IN) INV. = 377.5 (NEW 18" IN) TOP OF EXIST. DRYWELL = 377.0

CURVE	(1)	(2)	(3)
△	37°58'45"	47°53'15"	265°52'
△/2	18°59'22.5"	23°56'37.5"	132°56'
R	46.00	46.00	39.00
T	15.83	20.43	41.92
C	29.94	37.34	57.11
Lc	30.49	38.45	180.97



'AHEAHEA WAY – PROFILE

SCALE: HORI. 1" = 40'
VERT. 1" = 4'

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
- SINGLE SERVICE SEWER LATERAL
- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE B CONNECTION FOR 2 – 5/8" METERS
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METER
- (5) LOT NUMBER

4 0 4 8
SCALE: 1" = 4'

40 0 40 80
SCALE: 1" = 40'

APPROVED:

DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, COUNTY OF HAWAII — DATE

PCD #3 (3)

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
07/31/09	REVISE WATER LATERAL CALL OUT		

DEPARTMENT OF HAWAIIAN HOME LANDS

LA'I'OPUA VILLAGE 5

TAX MAP KEY: (3) 7-4-21:6

KAILUA-KONA, NORTH KONA, HAWAII

PLAN & PROFILE 'AHEAHEA WAY

Approved:

COUNTY ENGINEER, DPW, COUNTY OF HAWAII — DATE

AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

SHELDON T. YAMASATO — LICENSED PROFESSIONAL ENGINEER No.4733-C — HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION
LICENSE EXPIRES 4/30/10

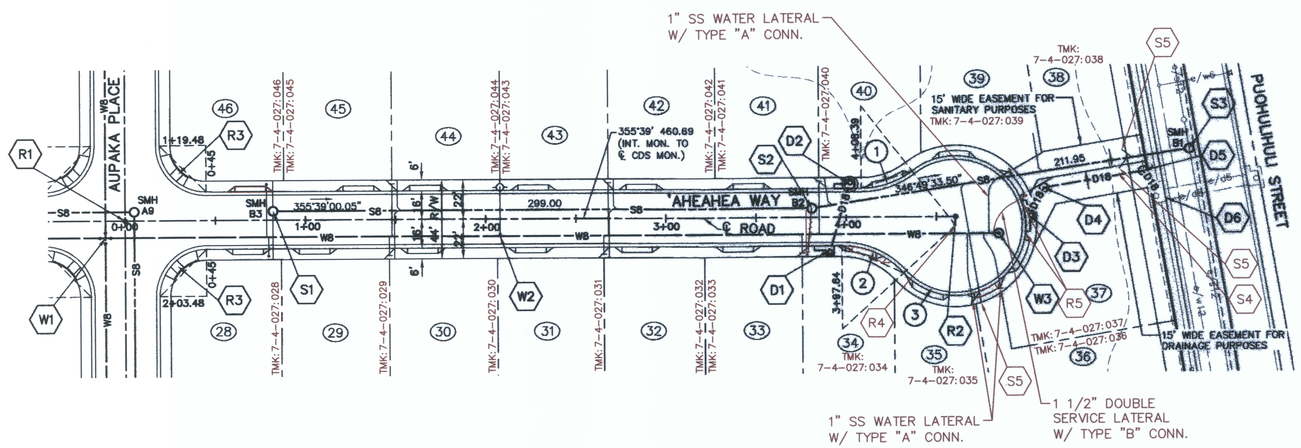
FILE	POCKET	FOLDER	NO.

SUPERSEDED BY SHEET 12A

SHEET 12 OF 67 SHEETS

Last Save by: GMG
Last Saved: 6/4/2012
Plotted on: 6/4/2012
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TRUE NORTH
SCALE: 1" = 40'



'AHEAHEA WAY – PLAN
SCALE: 1" = 40'

R4 ℄ CDS STA. 4+60.69 O/S 5' RT.
℄ 'AHEAHEA WAY
INSTALL ST. SURVEY MONUMENT
TOP OF PIN EL. = 384.25

R5 PROVIDE ADDITIONAL CURB & GUTTER REINFORCING INTO DWY. FLARE
SEE DETAIL, SHT. 20

ROAD NOTES

R1 STA. 0+00 ℄ 'AHEAHEA WAY = STA. 1+61.48 ℄ AUPAKA PLACE
ST. SURVEY MONUMENT

R2 ~~℄ CDS~~ STA. 4+60.69 ℄ ~~AUPAKA PLACE~~ 'AHEAHEA WAY
INSTALL ST. SURVEY MONUMENT
TOP OF PIN EL. = ~~384.15~~ 384.28

R3 WHEEL CHAIR RAMP
SEE DETAIL SHEET 25

SEWER NOTES

S1 STA. 0+82 O/S 5' LT.
℄ 'AHEAHEA WAY
CONSTRUCT SMH #B3
TOP = 395.35
INV. = 389.35

S2 STA. 3+81 O/S 5' LT.
℄ 'AHEAHEA WAY
CONSTRUCT SMH #B2
TOP = 385.98
INV. = 378.82

S3 STA. 6+50 O/S 37.51' LT.
℄ 'AHEAHEA WAY
CONSTRUCT SMH #B1
OVER EXIST. 12" PIPE
SEE DETAIL SHEET 34
TOP = ~~382.33~~ 382.41
INV. = ~~375.16~~ (CONTRACTOR TO VERIFY IN FIELD) 370.06

S4 INSTALL ADVANCE SEWER RISER CONNECTION IN LOT
SEE DETAIL, SHT. 33

S5 INSTALL TRAFFIC RATED CO & FRAME & COVER
SEE DETAIL, SHT. 33

WATER NOTES

W1 STA. (–)0+11 O/S 9.5' RT.
℄ 'AHEAHEA WAY
8" CROSS

W2 STA. 2+08 O/S 9.5' RT.
℄ 'AHEAHEA WAY
INSTALL:
TYPE "B" F.H. CONNECTION
1 – 8" x 6" C.I. TEE, M.J.
2 – MEGALUGS BTWN. TEE & VALVE
1 – NIPPLE, 2' LONG
1 – 6" G.V., M.J.
1 – C.I. VALVE BOX & COVER
1 – 6" HYDRANT ELBOW, M.J.
29 L.F. 6" D.I. PIPE
1– F.H. (HT.=~~5'~~) 2.8'
2 – CONC. BLOCKS

W3 STA. 4+84.70 O/S 9.5' RT.
℄ 'AHEAHEA WAY
END 8" WATER
INSTALL:
1 – 8" CAP TAPPED FOR 2" I.P.T.
1 – 2" CLEANOUT
1 – M.H.
1 – CONC. BLOCK
SEE DWS STD DETAIL V20

DRAIN NOTES

D1 STA. 3+90.95 ℄ 'AHEAHEA WAY
CONSTRUCT C.B. "B3"
TYPE "A"(HDOT STD. PLAN H–01B
INV. = 381.69 & H–01C)

D2 STA. 4+02.19 ℄ 'AHEAHEA WAY
CONSTRUCT C.B. "B2"
TYPE "A" OVER DRYWELL
TOP OF DRYWELL = 381.30
SEE DETAIL SHEET 29

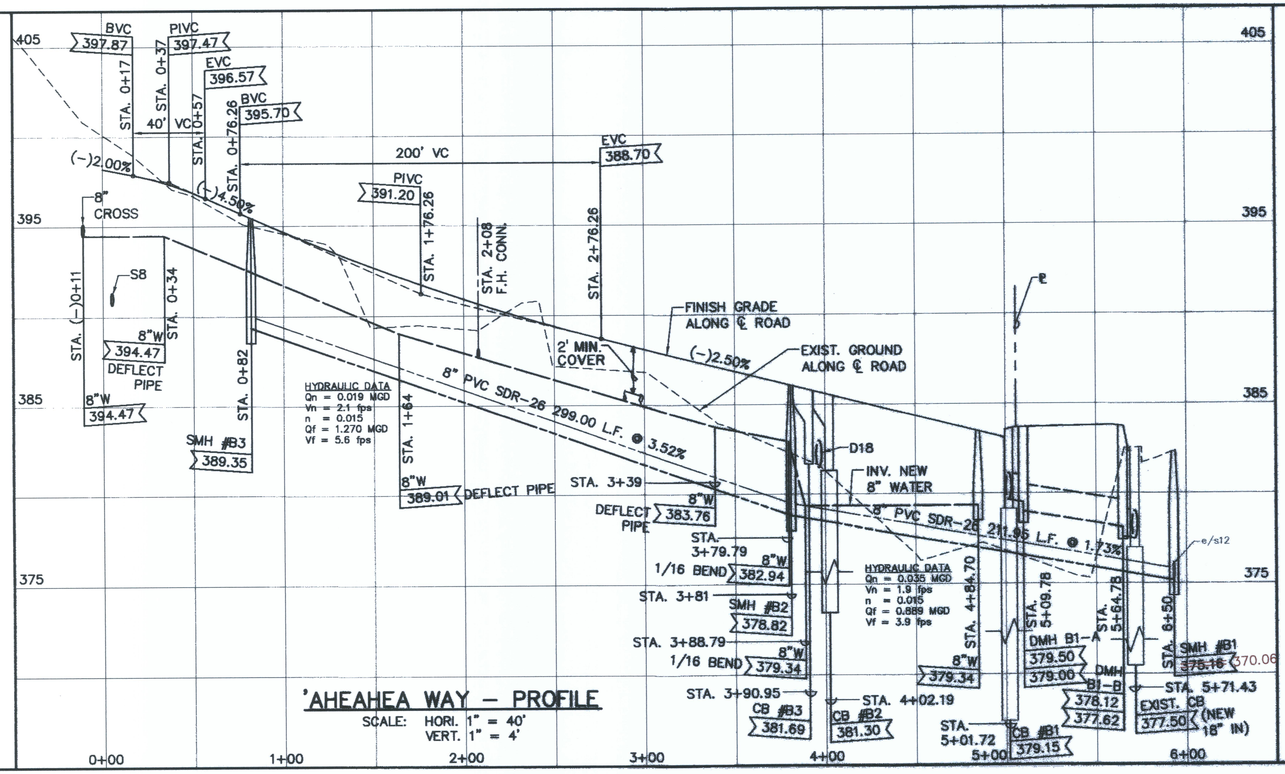
D3 STA. 5+01.72 ℄ 'AHEAHEA WAY
CONSTRUCT C.B. "B1"
TYPE "A" ~~TYPE "E"~~ OVER EXIST. DRYWELL
TOP OF DRYWELL = ~~379.15~~ 377.80
SEE DETAIL SHEET 32

D4 STA. 5+09.78 ℄ 'AHEAHEA WAY
CONSTRUCT SHALLOW DMH "B1A"
IN EASEMENT AREA
TOP = 384.69
INV. = 379.50 (18" IN)
INV. = 379.00 (18" OUT)

D5 STA. 5+64.78 ℄ 'AHEAHEA WAY
CONSTRUCT SHALLOW DMH "B1B"
IN EASEMENT AREA
TOP = 383.03
INV. = 378.12 (18" IN)
INV. = 377.62 (18" OUT)

D6 STA. 5+71.43 ℄ 'AHEAHEA WAY
CONNECT 18" DRAINLINE TO
EXIST. C.B. ON PUOHULIHULI STREET
TOP = 381.2
INV. = 379.7 (EXIST. 5" IN)
INV. = 379.1 (EXIST. 5" IN)
INV. = 377.5 (NEW 18" IN)
TOP OF EXIST. DRYWELL = 377.0

CURVE	①	②	③
△	37°58'45"	47°53'15"	265°52'
△/2	18°59'22.5"	23°56'37.5"	132°56'
R	46.00	46.00	39.00
T	15.83	20.43	41.92
C	29.94	37.34	57.11
Lc	30.49	38.45	180.97



'AHEAHEA WAY – PROFILE
SCALE: HORI. 1" = 40'
VERT. 1" = 4'

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE (HDPE)
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
- SINGLE SERVICE SEWER LATERAL
- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE ~~B~~ C CONNECTION FOR 2 – 5/8" METERS
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METER
- (5) LOT NUMBER

4 0 4 8
SCALE: 1" = 4'

40 0 40 80
SCALE: 1" = 40'

APPROVED:
Debra Beed 4/22/09
DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT / DATE
COUNTY OF HAWAII

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

DEPARTMENT OF HAWAIIAN HOME LANDS
LA'I'OPUA VILLAGE 5
TAX MAP KEY: (3) 7–4–21:6
KAILUA–KONA, NORTH KONA, HAWAII

PLAN & PROFILE 'AHEAHEA WAY

Approved:
COUNTY ENGINEER, DPW, COUNTY OF HAWAII / DATE

AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

SHELDON T. YAMASATO
LICENSED PROFESSIONAL ENGINEER
No. 4733-C
HAWAII, U.S.A.

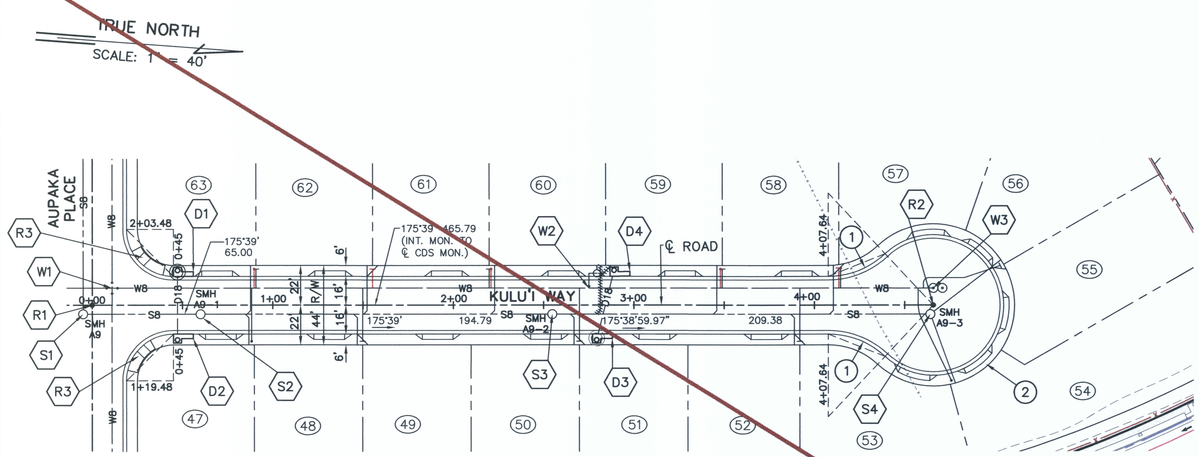
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION
LICENSE EXPIRES 4/30/10

AS-BUILT

SHEET 12A OF 67 SHEETS

FILE	POCKET	FOLDER	NO.

Last Save by: JCT
Last Saved: 4/20/2009
Plotted on: 4/20/2009
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KULU'I WAY – PLAN
SCALE: 1" = 40'

ROAD NOTES

R1 STA. 0+00 ℄ KULU'I WAY
= STA 4+28.48 ℄ AUPAKA PLACE
ST. SURVEY MONUMENT

R2 ℄ CDS STA. 4+65.79 ℄ KULU'I WAY
INSTALL ST. SURVEY MONUMENT
TOP OF PIN EL. = 409.90

R3 WHEEL CHAIR RAMP
SEE DETAIL SHEET 25

SEWER NOTES

S1 STA. (–)0+05 O/S 5' RT.
℄ KULU'I WAY
SMH #A9
TOP = 398.37
INV. = 391.00

S2 STA. 0+60 O/S 5' RT.
℄ KULU'I WAY
CONSTRUCT DURA-PLATE
(OR APPROVED EQUAL) LINED
SHALLOW DROP SMH #A9-1
TOP = 398.41
INV. = 393.50 (8" IN)
INV. = 391.40 (8" OUT)

S3 STA. 2+54.79 O/S 5' RT.
℄ KULU'I WAY
CONSTRUCT SMH #A9-2
TOP = 406.78
INV. = 400.50

S4 STA. 4+64.17 O/S 5' RT.
℄ KULU'I WAY
CONSTRUCT SMH #A9-3
TOP = 409.85
INV. = 403.65

WATER NOTES

W1 STA. 0+11 O/S 9.5' LT.
℄ KULU'I WAY
8" CROSS

W2 STA. 2+75.07 O/S 9.5' LT.
℄ KULU'I WAY
TYPE "A" F.H. CONNECTION
1 – 8" x 6" C.I. TEE, M.J.
2 – MEGALUGS BTWN. TEE & VALVE
1 – NIPPLE, 2' LONG
1 – 6" G.V., M.J.
1 – C.I. VALVE BOX & COVER
1 – 6" HYDRANT ELBOW, M.J.
11 L.F. 6" D.I. PIPE
1 – 6" 1/4 C.I. BEND, M.J.
1– F.H. (HT.= 4')
3 – CONC. BLOCKS

W3 STA. 4+65.79 O/S 9.5' LT.
℄ KULU'I WAY
END 8" WATER
1 – 1" ARV (W.P.= 81.4 psi)
1 – 8" CAP TAPPED FOR 2" I.P.T.
1 – 2" CLEANOUT
2 – M.H.
1 – CONC. BLOCK
SEE DWS STD DETAIL V20

DRAIN NOTES

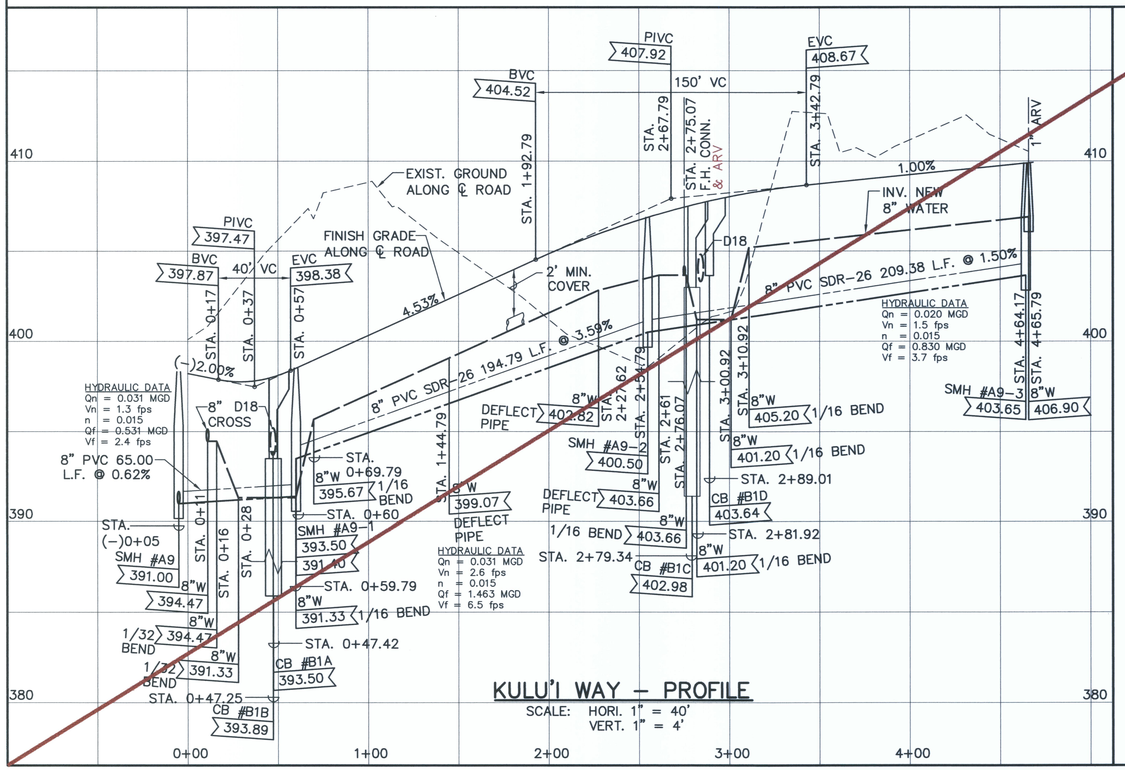
D1 STA. 0+47.42 ℄ KULU'I WAY
CONSTRUCT C.B. "B1A"
TYPE "A" OVER DRYWELL
TOP OF DRYWELL = 393.50
SEE DETAIL SHEET 29

D2 STA. 0+47.25 ℄ KULU'I WAY
CONSTRUCT C.B. "B1B"
TYPE "A"
INV. = 393.89

D3 STA. 2+79.34 ℄ KULU'I WAY
CONSTRUCT C.B. "B1C"
TYPE "A" OVER EXIST. DRYWELL
TOP OF DRYWELL = 402.98
SEE DETAIL SHEET 30

D4 STA. 2+89.02 ℄ KULU'I WAY
CONSTRUCT C.B. "B1D"
TYPE "A"
INV. = 403.64

CURVE	①	②
△	32°06'24"	266°19'32"
△/2	16°03'12"	133°09'46"
R	46.00	39.00
T	13.24	41.58
C	25.44	56.89
Lc	25.78	181.28



KULU'I WAY – PROFILE
SCALE: HORI. 1" = 40'
VERT. 1" = 4'

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
- SINGLE SERVICE SEWER LATERAL
- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE B CONNECTION FOR 2 – 5/8" METERS
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METER
- (5) LOT NUMBER

4 0 4 8
SCALE: 1" = 4'

40 0 40 80
SCALE: 1" = 40'

APPROVED:

DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT DATE
COUNTY OF HAWAII

PCD #3 ③

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
07/31/09	REVISE WATER LATERAL CALL OUT		

DEPARTMENT OF HAWAIIAN HOME LANDS
LA'I'OPUA VILLAGE 5
TAX MAP KEY: (3) 7-4-21:6
KAILUA-KONA, NORTH KONA, HAWAII

PLAN & PROFILE
KULU'I WAY

Approved:

COUNTY ENGINEER, DPW, COUNTY OF HAWAII DATE

AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

SHELDON T. YAMASATO
LICENSED PROFESSIONAL ENGINEER
No. 4733-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION
LICENSE EXPIRES 4/30/10

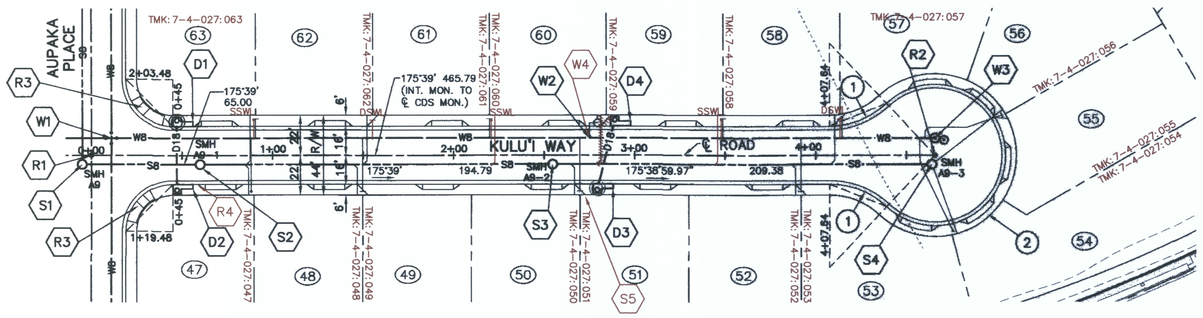
FILE	POCKET	FOLDER	NO.

SUPERSEDED BY SHEET 13A

SHEET 13 OF 67 SHEETS

Last Save by: GMG
Last Saved: 6/4/2012
Plotted on: 6/4/2012
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TRUE NORTH
SCALE: 1" = 40'



KULU'I WAY – PLAN
SCALE: 1" = 40'

R4 PROVIDE ADDITIONAL CURB & GUTTER REINFORCING SEE DETAIL, SHT. 20

ROAD NOTES

R1 STA. 0+00 ℄ KULU'I WAY = STA ~~4+28.48~~ 1+61.48 ℄ AUPAKA PLACE ST. SURVEY MONUMENT

R2 ℄ CDS STA. 4+65.79 ℄ KULU'I WAY INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = ~~409.90~~ 410.13

R3 WHEEL CHAIR RAMP SEE DETAIL SHEET 25

SEWER NOTES

S1 STA. (–)0+05 O/S 5' RT. ℄ KULU'I WAY SMH #A9 TOP = 398.37 INV. = 391.00

S2 STA. 0+60 O/S 5' RT. ℄ KULU'I WAY CONSTRUCT DURA-PLATE (OR APPROVED EQUAL) LINED SHALLOW DROP SMH #A9-1 TOP = 398.41 INV. = 393.50 (8" IN) INV. = 391.40 (8" OUT)

S3 STA. 2+54.79 O/S 5' RT. ℄ KULU'I WAY CONSTRUCT SMH #A9-2 TOP = 406.78 INV. = 400.50

S4 STA. 4+64.17 O/S 5' RT. ℄ KULU'I WAY CONSTRUCT SMH #A9-3 TOP = 409.85 INV. = 403.65

S5 INSTALL ADVANCE SEWER RISER CONNECTION IN LOT SEE DETAIL, SHT. 33

WATER NOTES

W1 STA. 0+11 O/S 9.5' LT. ℄ KULU'I WAY 8" CROSS

W2 STA. 2+75.07 O/S 9.5' LT. ℄ KULU'I WAY TYPE "A" F.H. CONNECTION 1 – 8" x 6" C.I. TEE, M.J. 2 – MEGALUGS BTWN. TEE & VALVE 1 – NIPPLE, 2' LONG 1 – 6" G.V., M.J. 1 – C.I. VALVE BOX & COVER 1 – 6" HYDRANT ELBOW, M.J. 11 L.F. 6" D.I. PIPE 1 – 6" 1/4 C.I. BEND, M.J. 1– F.H. (HT.=4') 3.7' 3 – CONC. BLOCKS

W3 STA. 4+65.79 O/S 9.5' LT. ℄ KULU'I WAY END 8" WATER 1 – 1" ARV (W.P.= 81.4 psi) 1 – 8" CAP TAPPED FOR 2" I.P.T. 1 – 2" CLEANOUT 2 – M.H. 1 – CONC. BLOCK SEE DWS STD DETAIL V20

W4 STA. 2+75.07 O/S 9.5' LT. ℄ KULU'I WAY 1 – 1" ARV 1 – ARV BOX

DRAIN NOTES

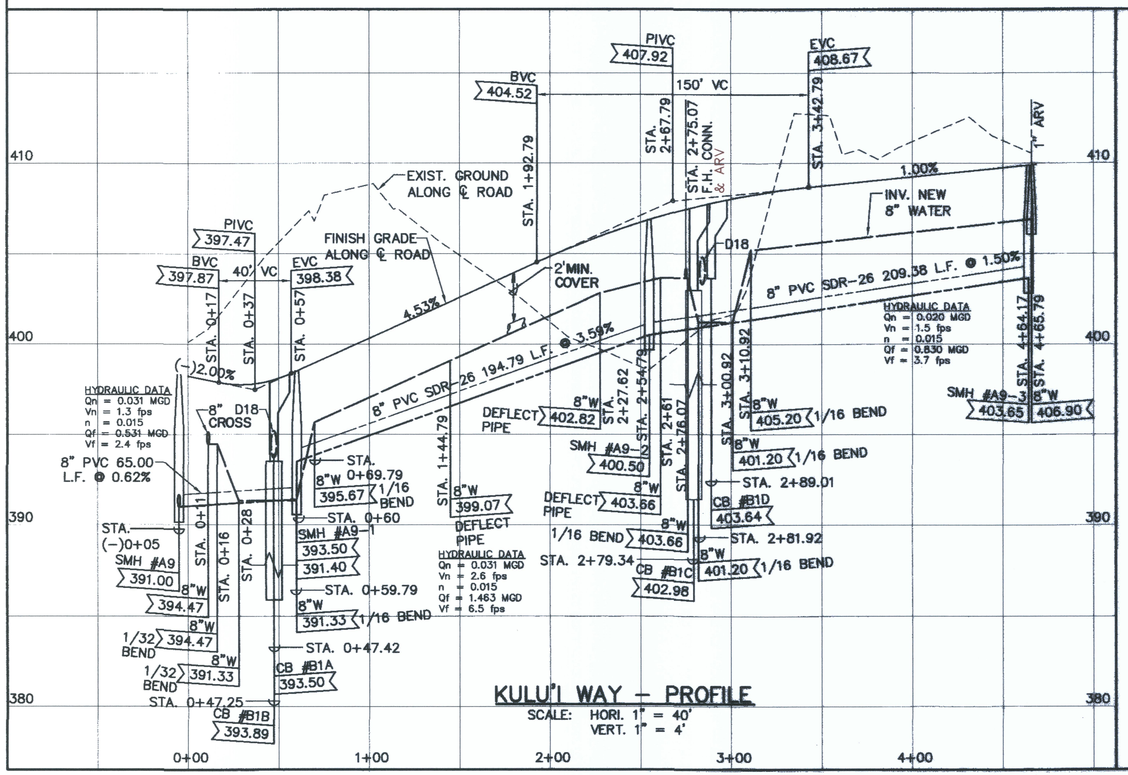
D1 STA. 0+47.42 ℄ KULU'I WAY CONSTRUCT C.B. "B1A" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 393.50 SEE DETAIL SHEET 29

D2 STA. 0+47.25 ℄ KULU'I WAY CONSTRUCT C.B. "B1B" TYPE "A" (HDOT STD. PLAN H-01B & H-01C) INV. = 393.89

D3 STA. 2+79.34 ℄ KULU'I WAY CONSTRUCT C.B. "B1C" TYPE "A" OVER EXIST. DRYWELL TOP OF DRYWELL = 402.98 SEE DETAIL SHEET 30

D4 STA. 2+89.02 ℄ KULU'I WAY CONSTRUCT C.B. "B1D" TYPE "A" (HDOT STD. PLAN H-01B & H-01C) INV. = 403.64

CURVE	(1)	(2)
Δ	32°06'24"	266°19'32"
Δ/2	16°03'12"	133°09'46"
R	46.00	39.00
T	13.24	41.58
C	25.44	56.89
Lc	25.78	181.28



KULU'I WAY – PROFILE
SCALE: HORI. 1" = 40'
VERT. 1" = 4'

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE (HDPE)
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
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- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE ~~B~~ C CONNECTION FOR 2 – 5/8" METERS
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METER
- (5) LOT NUMBER

APPROVED:
DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, COUNTY OF HAWAII — DATE 4/22/09

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

DEPARTMENT OF HAWAIIAN HOME LANDS
LA'I'OPUA VILLAGE 5
TAX MAP KEY: (3) 7-4-21:6
KAILUA-KONA, NORTH KONA, HAWAII

PLAN & PROFILE KULU'I WAY

4 0 4 8
SCALE: 1" = 4'

40 0 40 80
SCALE: 1" = 40'

SHELDON T. YAMASHO LICENSED PROFESSIONAL ENGINEER No. 4733-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION LICENSE EXPIRES 4/30/10

Approved:
COUNTY ENGINEER, DPW, COUNTY OF HAWAII — DATE

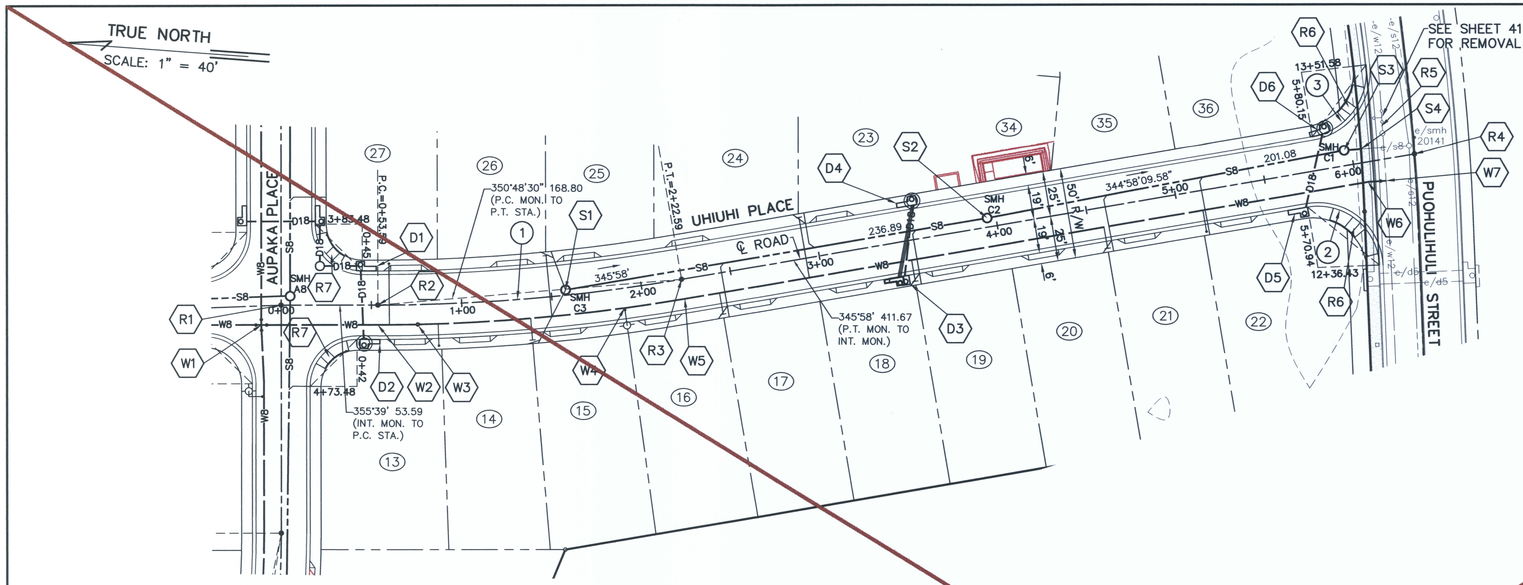
AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

AS-BUILT

SHEET 13A OF 67 SHEETS

FILE	POCKET	FOLDER	NO.

Last Save by: GMG
Last Saved: 4/21/2009
Plotted on: 4/21/2009
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ROAD NOTES

(R1) STA. 0+00 ℄ UHIUHI PLACE = STA 4+28.48 ℄ AUPAKA PLACE ST. SURVEY MONUMENT

(R2) P.C. STA. 0+53.59 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = 379.43

(R3) P.T. STA. 2+22.59 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = 378.75

(R4) STA. 6+34.26 ℄ UHIUHI PLACE = STA 12+99.68 ℄ PUOHULIHULI STREET INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = 363.42

(R5) PROVIDE SMOOTH RIDING CONNECTION SEE DETAIL SHEET 33

(R6) CONSTRUCT WHEEL CHAIR RAMP SEE DETAIL SHEET 25

(R7) CONSTRUCT WHEEL CHAIR RAMP SEE DETAIL SHEET 26

UHIUHI PLACE (SOUTH) – PLAN

SCALE: 1" = 40'

SEWER NOTES

(S1) STA. 1+58.03 O/S 2.92' LT. ℄ UHIUHI PLACE CONSTRUCT SMH #C3 TOP = 379.61 INV. = 373.61

(S2) STA. 3+95.15 O/S 5' LT. ℄ UHIUHI PLACE CONSTRUCT SMH #C2 TOP = 372.15 INV. = 366.15

(S3) STA. 5+96.20 O/S 8.5' LT. ℄ UHIUHI PLACE CONSTRUCT DURA-PLATE (OR APPROVED EQUAL) LINED SHALLOW DROP SMH #C1 TOP = 362.61 INV. = 354.77 (8" IN) INV. = 353.24 (8" OUT)

(S4) STA. 6+05.50 O/S 7.6' LT. ℄ UHIUHI PLACE JOIN EXIST. 8" PIPE INV. = 353.22± (CONTRACTOR TO VERIFY IN FIELD)

WATER NOTES

(W1) STA. (–)0+11 O/S 11' RT. ℄ UHIUHI PLACE 8" CROSS

(W2) STA. 0+53.59 O/S 11' RT. ℄ UHIUHI PLACE BEGIN W.L. PIPE DEFLECTION

(W3) STA. 0+75.49 O/S 11' RT. ℄ UHIUHI PLACE 1 – 1" ARV (W.P.= 94.6 psi) 1 – ARV BOX

(W4) STA. 1+89.18 O/S 11' RT. ℄ UHIUHI PLACE TYPE "B" F.H. CONNECTION 1 – 8" x 6" C.I. TEE, M.J. 2 – MEGALUGS BTWN. TEE & VALVE 1 – NIPPLE, 2' LONG 1 – 6" G.V., M.J. 1 – C.I. VALVE BOX & COVER 1 – 6" HYDRANT ELBOW, M.J. 10 L.F. 6" DI PIPE 1– F.H. (HT.=4.5') 2 – CONC. BLOCK

(W5) STA. 2+22.59 O/S 11' RT. ℄ UHIUHI PLACE END W.L. PIPE DEFLECTION

(W6) STA. 6+06.27 O/S 11' RT. ℄ UHIUHI PLACE DEFLECT PIPE

(W7) STA. 6+16.22 O/S 12.04' RT. ℄ UHIUHI PLACE CONNECT TO EXIST. 12" PIPE INSTALL: 1 – 12" x 8" TAPPING SLEEVE 1 – 8" TAPPING VALVE, 1 – C.I. VALVE BOX & COVER 1 – CONC. BLOCK TEMP. FOR TESTING 1 – 8" CAP TAPPED FOR 2" I.P.T. 1 – 2" CLEANOUT 1 – CONC. BLOCK

DRAIN NOTES

(D1) STA. 0+43.96 ℄ UHIUHI PLACE CONSTRUCT C.B. "C6" TYPE "A" INV. = 375.30

(D2) STA. 0+46.02 ℄ UHIUHI PLACE CONSTRUCT C.B. "C5" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 374.90 SEE DETAIL SHEET 29

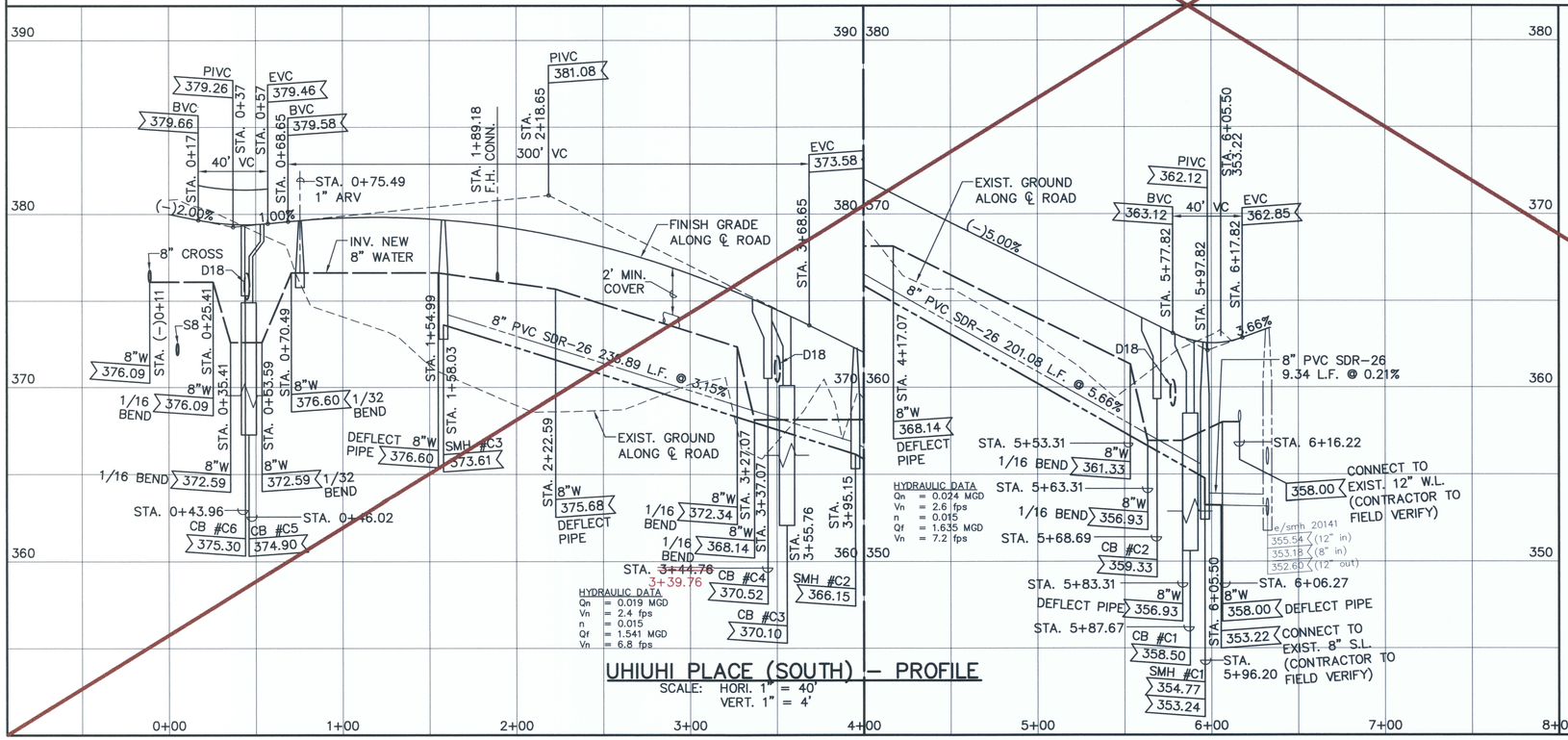
(D3) STA. 3+44.76 ℄ UHIUHI PLACE CONSTRUCT C.B. "C4" TYPE "A" INV. = 370.52

(D4) STA. 3+55.76 ℄ UHIUHI PLACE CONSTRUCT C.B. "C3" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 370.10 SEE DETAIL SHEET 29

(D5) STA. 5+68.69 ℄ UHIUHI PLACE CONSTRUCT C.B. "C2" TYPE "A" INV. = 359.33

(D6) STA. 5+87.67 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 358.50 SEE DETAIL SHEET 29

CURVE	(1)	(2)	(3)
Δ	9°41'	97°28'46"	86°49'08"
Δ/2	4°51'	48°44'23"	43°24'34"
R	1000.00	34.08	36.00
T	84.70	38.84	34.06
C	168.80	51.23	49.48
Lc	169.01	57.97	54.55



UHIUHI PLACE (SOUTH) – PROFILE

SCALE: HORI. 1" = 40'
VERT. 1" = 4'

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
- SINGLE SERVICE SEWER LATERAL
- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE B C CONNECTION FOR 2 – 5/8" METERS
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METER
- (5) LOT NUMBER

4 0 4 8
SCALE: 1" = 4'

40 0 40 80
SCALE: 1" = 40'

APPROVED:

DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, COUNTY OF HAWAII — DATE

PCD #3 (3)

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
07/31/09	REVISE WATER LATERAL CALL OUT		

DEPARTMENT OF HAWAIIAN HOME LANDS

LA'I'OPUA VILLAGE 5

TAX MAP KEY: (3) 7-4-21:6

KAILUA-KONA, NORTH KONA, HAWAII

PLAN & PROFILE UHIUHI PLACE (SOUTH)

Approved:

COUNTY ENGINEER, DPW, COUNTY OF HAWAII — DATE

AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

SHELDON T. YAMASAKI LICENSED PROFESSIONAL ENGINEER No. 4733-C HAWAII, U.S.A.

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LICENSE EXPIRES 4/30/10

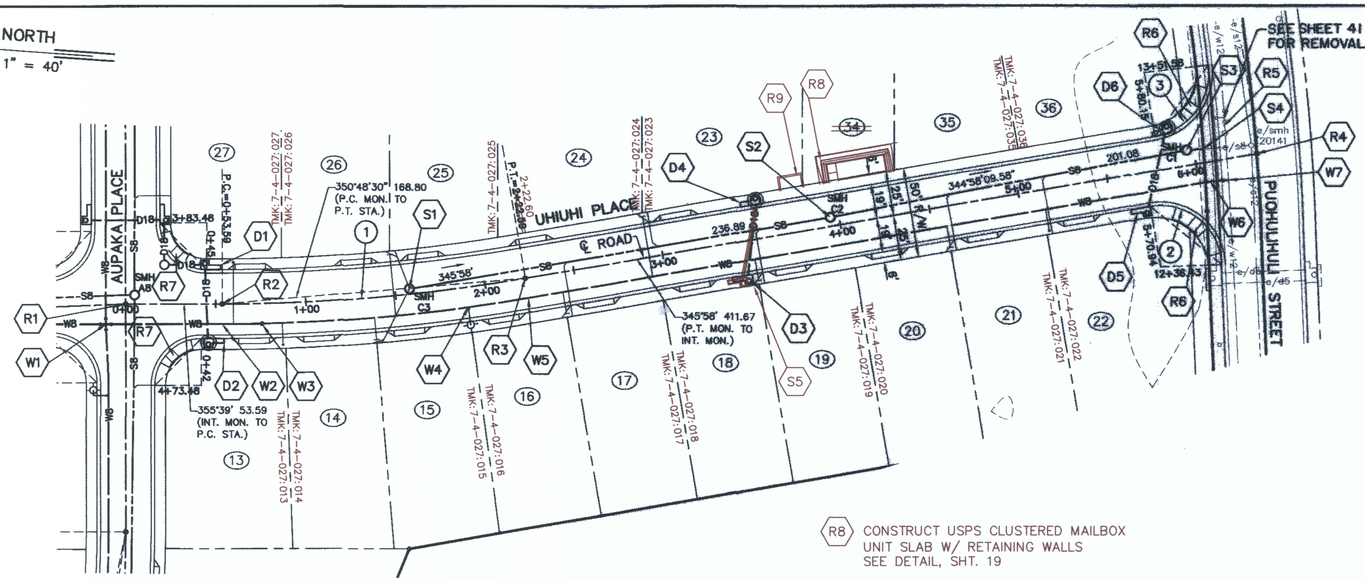
FILE	POCKET	FOLDER	NO.

SUPERSEDED BY SHEET 14A

SHEET 14 OF 67 SHEETS

Last Save by: GMG
Last Saved: 6/4/2012
Plotted on: 6/4/2012
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TRUE NORTH
SCALE: 1" = 40'



ROAD NOTES

(R1) STA. 0+00 ℄ UHIUHI PLACE = STA 4+28.48 ℄ AUPAKA PLACE ST. SURVEY MONUMENT

(R2) P.C. STA. 0+53.59 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = ~~379.43~~ 379.62

(R3) P.T. STA. ~~2+22.59~~ 2+22.60 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = ~~378.75~~ 378.88

(R4) STA. ~~6+34.26~~ 6+34.88 ℄ UHIUHI PLACE = STA 12+99.68 ℄ PUOHULIHULI STREET INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = ~~363.42~~ 363.46

(R5) PROVIDE SMOOTH RIDING CONNECTION SEE DETAIL SHEET 33

(R6) CONSTRUCT WHEEL CHAIR RAMP SEE DETAIL SHEET 25

(R7) CONSTRUCT WHEEL CHAIR RAMP SEE DETAIL SHEET 26

(R8) CONSTRUCT USPS CLUSTERED MAILBOX UNIT SLAB W/ RETAINING WALLS SEE DETAIL, SHT. 19

(R9) CONSTRUCT CRM RETAINING WALLS AROUND HELCO EASMENT SEE DETAIL, SHT. 20

UHIUHI PLACE (SOUTH) – PLAN
SCALE: 1" = 40'

SEWER NOTES

(S1) STA. 1+58.03 O/S 2.92' LT. ℄ UHIUHI PLACE CONSTRUCT SMH #C3 TOP = 379.61 INV. = 373.61

(S2) STA. 3+95.15 O/S 5' LT. ℄ UHIUHI PLACE CONSTRUCT SMH #C2 TOP = 372.15 INV. = 366.15

(S3) STA. 5+96.20 O/S 8.5' LT. ℄ UHIUHI PLACE CONSTRUCT DURA-PLATE (OR APPROVED EQUAL) LINED SHALLOW DROP SMH #C1 TOP = 362.61 INV. = 354.77 (8" IN) INV. = 353.24 (8" OUT)

(S4) STA. 6+05.50 O/S 7.6' LT. ℄ UHIUHI PLACE JOIN EXIST. 8" PIPE INV. = 353.22± (CONTRACTOR TO VERIFY IN FIELD)

(S5) INSTALL ADVANCE SEWER RISER CONNECTION IN LOT SEE DETAIL, SHT. 33

WATER NOTES

(W1) STA. (–)0+11 O/S 11' RT. ℄ UHIUHI PLACE 8" CROSS

(W2) STA. 0+53.59 O/S 11' RT. ℄ UHIUHI PLACE BEGIN W.L. PIPE DEFLECTION

(W3) STA. 0+75.49 O/S 11' RT. ℄ UHIUHI PLACE
1 – 1" ARV (W.P.= 94.6 psi)
1 – ARV BOX

(W4) STA. 1+89.18 O/S 11' RT. ℄ UHIUHI PLACE
TYPE "A" ~~TYPE "B"~~ F.H. CONNECTION
1 – 8" x 6" C.I. TEE, M.J.
2 – MEGALUGS BTWN. TEE & VALVE
1 – NIPPLE, 2' LONG
1 – 6" G.V., M.J.
1 – C.I. VALVE BOX & COVER
1 – 6" HYDRANT ELBOW, M.J.
10 L.F. 6" DI PIPE
1– F.H. (HT.~~=4.5'~~) 2.9'
2 – CONC. BLOCK

(W5) STA. 2+22.59 O/S 11' RT. ℄ UHIUHI PLACE END W.L. PIPE DEFLECTION

(W6) STA. 6+06.27 O/S 11' RT. ℄ UHIUHI PLACE DEFLECT PIPE

(W7) STA. 6+16.22 O/S 12.04' RT. ℄ UHIUHI PLACE CONNECT TO EXIST. 12" PIPE INSTALL:
1 – 12" x 8" TAPPING SLEEVE
1 – 8" TAPPING VALVE,
1 – C.I. VALVE BOX & COVER
1 – CONC. BLOCK
TEMP. FOR TESTING
1 – 8" CAP TAPPED FOR 2" I.P.T.
1 – 2" CLEANOUT
1 – CONC. BLOCK

DRAIN NOTES

(D1) STA. 0+43.96 ℄ UHIUHI PLACE CONSTRUCT C.B. "C6" TYPE "A" (HDOT STD. PLAN INV. = 375.30 H-01B & H-01C)

(D2) STA. 0+46.02 ℄ UHIUHI PLACE CONSTRUCT C.B. "C5" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 374.90 SEE DETAIL SHEET 29

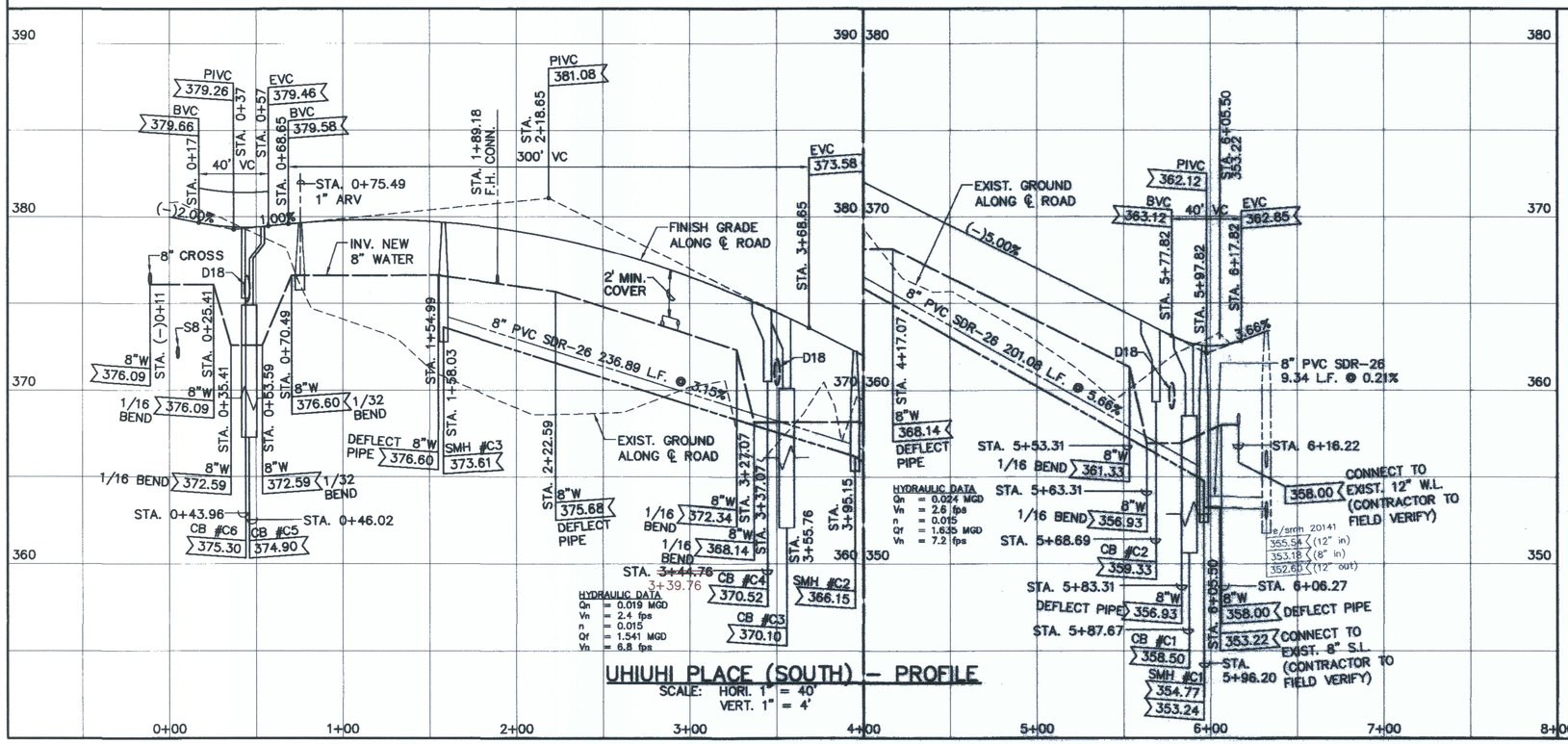
(D3) STA. ~~3+44.76~~ 3+39.76 ℄ UHIUHI PLACE CONSTRUCT C.B. "C4" TYPE "A" (HDOT STD. PLAN INV. = 370.52 H-01B & H-01C)

(D4) STA. 3+55.76 ℄ UHIUHI PLACE CONSTRUCT C.B. "C3" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 370.10 SEE DETAIL SHEET 29

(D5) STA. 5+68.69 ℄ UHIUHI PLACE CONSTRUCT C.B. "C2" TYPE "A" (HDOT STD. PLAN INV. = 359.33 H-01B & H-01C)

(D6) STA. 5+87.67 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 358.50 SEE DETAIL SHEET 29

CURVE	①	②	③
Δ	9°41'	97°28'46"	86°49'08"
Δ/2	4°51'	48°44'23"	43°24'34"
R	1000.00	34.08	36.00
T	84.70	38.84	34.06
C	168.80	51.23	49.48
Le	169.01	57.97	54.55



UHIUHI PLACE (SOUTH) – PROFILE
SCALE: HORI. 1" = 40'
VERT. 1" = 4'

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE (HDPE)
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
- SINGLE SERVICE SEWER LATERAL
- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE ~~B~~ C CONNECTION FOR 2 – 5/8" ~~METERS~~
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METER
- (5) LOT NUMBER

4 0 4 8
SCALE: 1" = 4'

40 0 40 80
SCALE: 1" = 40'

APPROVED:
Nina Bede 4/22/09
DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, COUNTY OF HAWAII — DATE

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

DEPARTMENT OF HAWAIIAN HOME LANDS
LA'I'OPUA VILLAGE 5
TAX MAP KEY: (3) 7-4-21:6
KAILUA-KONA, NORTH KONA, HAWAII

PLAN & PROFILE UHIUHI PLACE (SOUTH)

Approved:
COUNTY ENGINEER, DPW, COUNTY OF HAWAII — DATE

AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

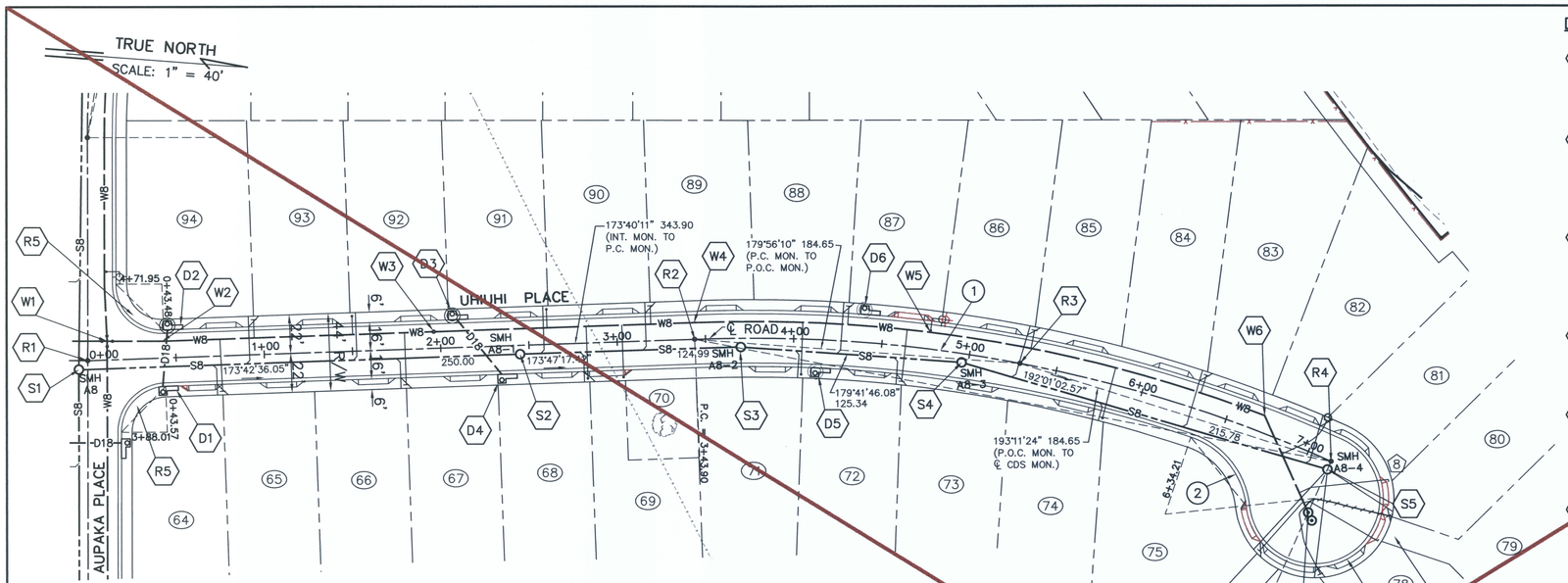
SHELDON T. YAMASATO — LICENSED PROFESSIONAL ENGINEER No. 4733-C — HAWAII, U.S.A.
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LICENSE EXPIRES 4/30/10

AS-BUILT

SHEET 14A OF 67 SHEETS

FILE	POCKET	FOLDER	NO.

Last Save by: GMG
Last Saved: 4/21/2009
Plotted on: 4/21/2009
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ROAD NOTES

(R1) STA. 0+00 ℄ UHIUHI PLACE = STA 4+28.48 ℄ AUPAKA PLACE ST. SURVEY MONUMENT

(R2) P.C. STA. 3+43.90 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = 384.80

(R3) P.O.C. STA. 5+28.96 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = 391.52

(R4) ℄ CDS STA. 7+14.03 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = 397.14

(R5) CONSTRUCT WHEEL CHAIR RAMP SEE DETAIL SHEET 26

UHIUHI PLACE (NORTH) – PLAN

SCALE: 1" = 40'

DRAIN NOTES

(D1) STA. 0+41.95 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1B" TYPE "A" INV. = 375.38

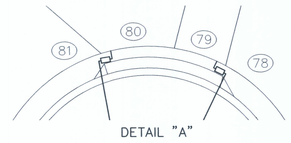
(D2) STA. 0+45.73 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1A" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 375.05 SEE DETAIL SHEET 29

(D3) STA. 2+07.19 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1C" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 377.40 SEE DETAIL SHEET 29

(D4) STA. 2+33.95 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1D" TYPE "A" INV. = 377.88

(D5) STA. 4+13.06 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1E" TYPE "A" OVER EXIST. DRYWELL TOP OF DRYWELL = 385.43 SEE DETAIL SHEET 30

(D6) STA. 4+38.74 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1F" TYPE "A" OVER EXIST. DRYWELL TOP OF DRYWELL = 386.16 SEE DETAIL SHEET 30



WATER NOTES

(W1) STA. 0+11.37 O/S 10.61' LT. ℄ UHIUHI PLACE 8" CROSS

(W2) STA. 0+42.48 O/S 9.5' LT. ℄ UHIUHI PLACE DEFLECT PIPE

(W3) STA. 1+96.35 O/S 9.5' LT. ℄ UHIUHI PLACE 1 – 1" ARV (W.P.= 93.6 psi) 1 – ARV BOX

(W4) STA. 3+43.93 O/S 9.5' LT. ℄ UHIUHI PLACE BEGIN PIPE DEFLECTION

(W5) STA. 4+76.46 O/S 9.5' LT. ℄ UHIUHI PLACE TYPE "A" F.H. CONNECTION 1 – 8" x 6" C.I. TEE, M.J. 2 – MEGALUGS BTWN. TEE & VALVE 1 – NIPPLE, 2' LONG 1 – 6" G.V., M.J. 1 – C.I. VALVE BOX & COVER 1 – 6" HYDRANT ELBOW, M.J. 12 L.F. 6" D.I. PIPE 1 – 6" 1/4 C.I. BEND, M.J. 1– F.H. (HT.=4.5') 3 – CONC. BLOCKS

(W6) STA. 6+69.66 O/S 9.5' LT. ℄ UHIUHI PLACE 1 – 8" 1/8 BEND, M.J. (HORIZONTAL)

(W7) STA. 7+14.03 O/S 31.76' RT. ℄ UHIUHI PLACE END 8" WATER 1 – 1" ARV (W.P.= 86.8 psi) 1 – 8" CAP TAPPED FOR 2" I.P.T. 1 – 2" CLEANOUT 2 – M.H. 1 – CONC. BLOCK SEE DWS STD DETAIL V20

SEWER NOTES

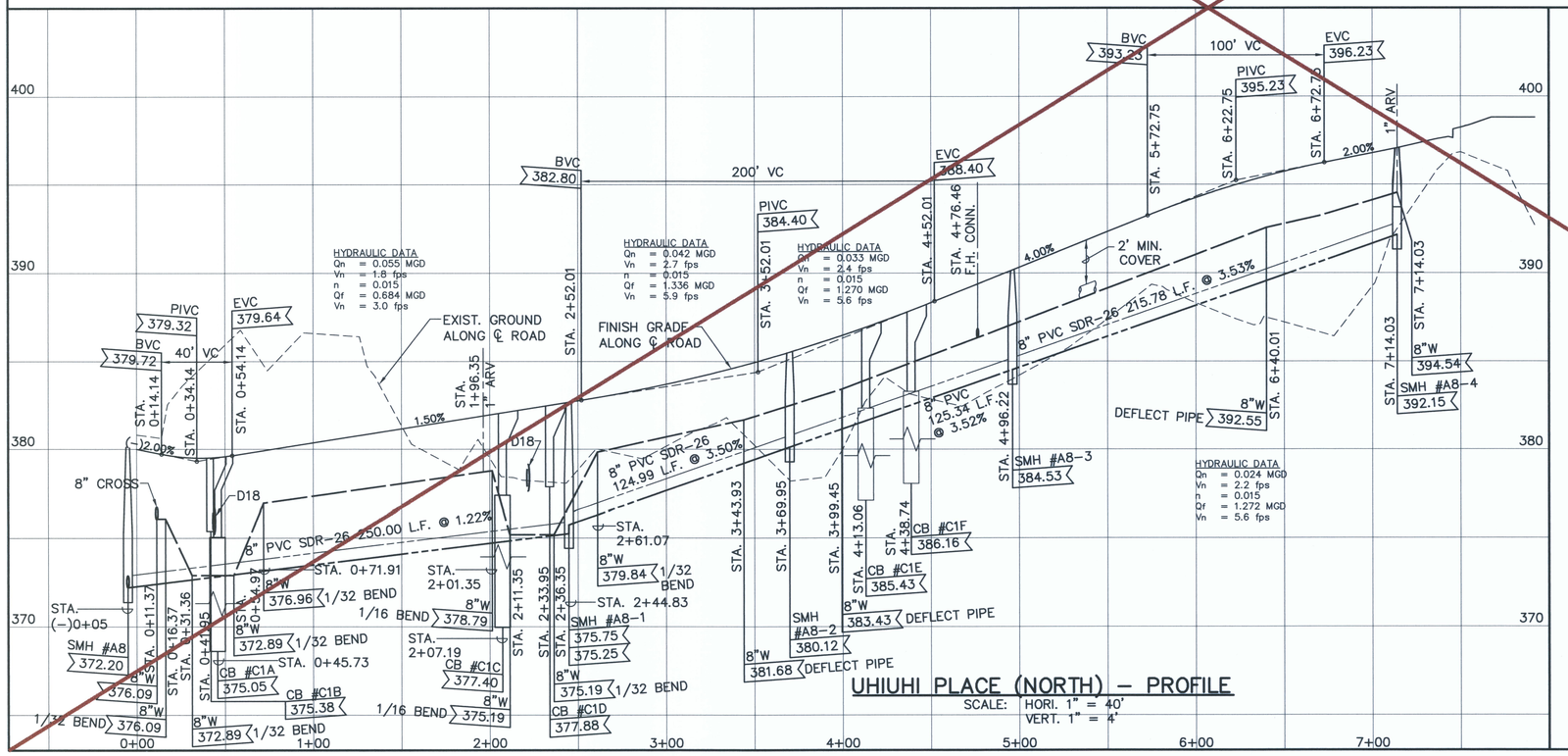
(S1) STA. (–)0+05 O/S 5' RT. ℄ UHIUHI PLACE SMH #A8 TOP = 380.28 INV. = 372.70

(S2) STA. 2+44.83 O/S 5' RT. ℄ UHIUHI PLACE CONSTRUCT SMH #A8–1 TOP = 382.59 INV. = 375.75 (8" IN) INV. = 375.25 (8" OUT)

(S3) STA. 3+69.95 O/S 5' RT. ℄ UHIUHI PLACE CONSTRUCT SMH #A8–2 TOP = 385.46 INV. = 380.12

(S4) STA. 4+96.22 O/S 5' RT. ℄ UHIUHI PLACE CONSTRUCT SMH #A8–3 TOP = 390.12 INV. = 384.53

(S5) STA. 7+14.03 O/S 5' RT. ℄ UHIUHI PLACE CONSTRUCT SMH #A8–4 TOP = 397.24 INV. = 392.15



UHIUHI PLACE (NORTH) – PROFILE

SCALE: HORI. 1" = 40'
VERT. 1" = 4'

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
- SINGLE SERVICE SEWER LATERAL
- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE B C (3) CONNECTION FOR 2 – 5/8" METERS
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METER
- (5) LOT NUMBER

CURVE	(1)	(2)	(3)
Δ	26°30'30"	65°35'00"	239°52'01"
Δ/2	13°15'15"	32°47'30"	119°56'00"
R	800.00	46.00	39.00
T	188.44	29.64	67.73
C	366.83	49.83	67.60
Lc	370.13	52.65	163.27

4 0 4 8
SCALE: 1" = 4'

40 0 40 80
SCALE: 1" = 40'

APPROVED:

DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT COUNTY OF HAWAII — DATE

PCD #8 (8)
PCD #3 (3)

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
05/11/10	REVISE WATER LAT – LOT 79/80		
07/31/09	REVISE WATER LATERAL CALL OUT		

DEPARTMENT OF HAWAIIAN HOME LANDS

LA'I'OPUA VILLAGE 5

TAX MAP KEY: (3) 7-4-21:6

KAILUA–KONA, NORTH KONA, HAWAII

PCD 8

UHIUHI PLACE (NORTH)

SHELDON T. YAMASATO LICENSED PROFESSIONAL ENGINEER No.4733-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION LICENSE EXPIRES 4/30/10

Approved:

COUNTY ENGINEER, DPW, COUNTY OF HAWAII — DATE

AKINAKA & ASSOCIATES, LTD.

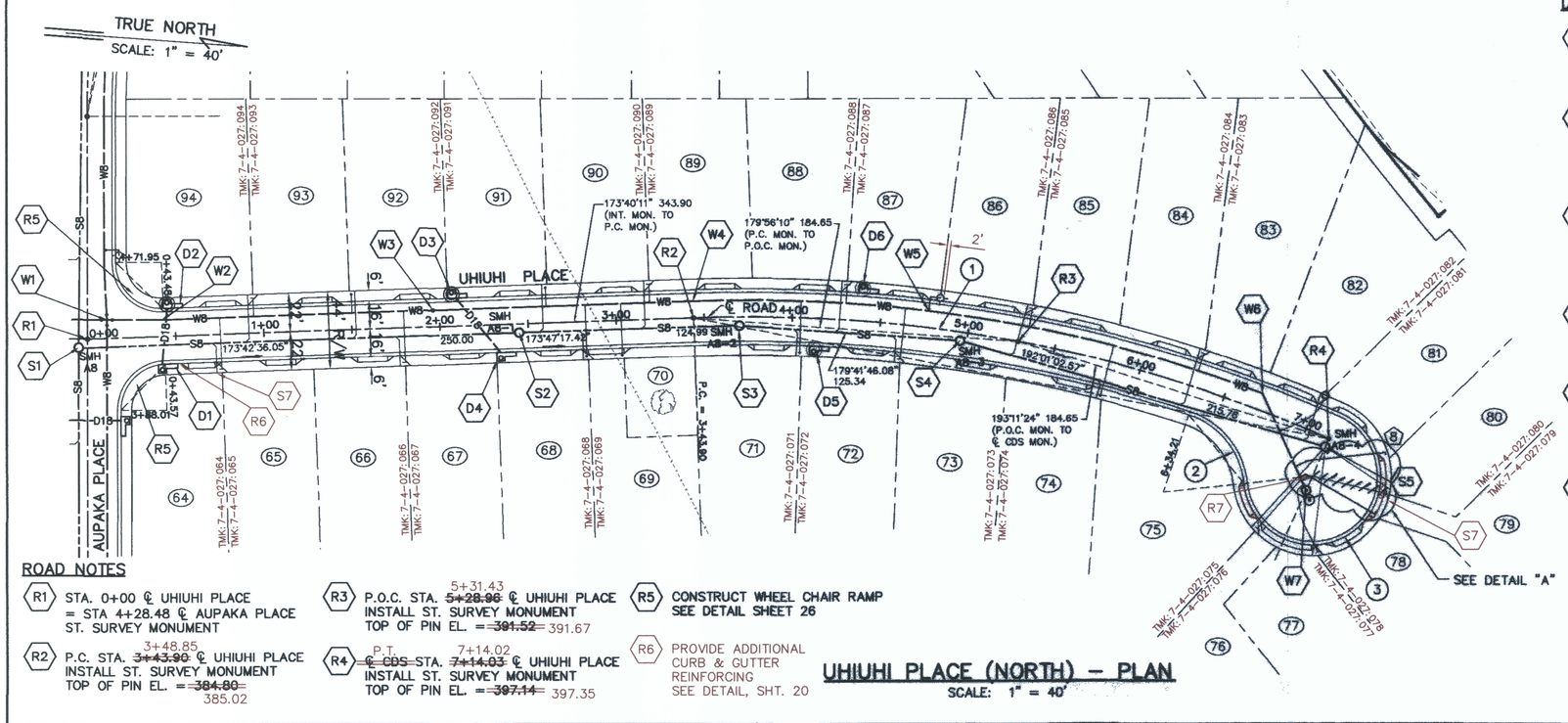
CONSULTING ENGINEERS

FILE	POCKET	FOLDER	NO.

SUPERSEDED BY SHEET 15A

SHEET 15 OF 67 SHEETS

Last Save by: GMG
Last Saved: 6/4/2012
Plotted on: 6/4/2012
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ROAD NOTES

(R1) STA. 0+00 ℄ UHIUHI PLACE = STA 4+28.48 ℄ AUPAKA PLACE ST. SURVEY MONUMENT

(R2) P.C. STA. ~~3+43.90~~ 3+48.85 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = ~~384.80~~ 385.02

(R3) P.O.C. STA. ~~5+28.96~~ 5+31.43 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = ~~391.52~~ 391.67

(R4) P.T. ℄ CDS STA. ~~7+14.03~~ 7+14.02 ℄ UHIUHI PLACE INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = ~~397.14~~ 397.35

(R5) CONSTRUCT WHEEL CHAIR RAMP SEE DETAIL SHEET 26

(R6) PROVIDE ADDITIONAL CURB & GUTTER REINFORCING SEE DETAIL, SHT. 20

UHIUHI PLACE (NORTH) – PLAN

SCALE: 1" = 40'

DRAIN NOTES

(D1) STA. 0+41.95 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1B" TYPE "A" (HDOT STD. PLAN H-01B & H-01C) INV. = 375.38

(D2) STA. 0+45.73 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1A" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 375.05 SEE DETAIL SHEET 29

(D3) STA. 2+07.19 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1C" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 377.40 SEE DETAIL SHEET 29

(D4) STA. 2+33.95 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1D" TYPE "A" (HDOT STD. PLAN H-01B & H-01C) INV. = 377.88

(D5) STA. 4+13.06 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1E" TYPE "A" OVER EXIST. DRYWELL TOP OF DRYWELL = 385.43 SEE DETAIL SHEET 30

(D6) STA. 4+38.74 ℄ UHIUHI PLACE CONSTRUCT C.B. "C1F" TYPE "A" OVER EXIST. DRYWELL TOP OF DRYWELL = 386.16 SEE DETAIL SHEET 30

WATER NOTES

(W1) STA. 0+11.37 O/S 10.61' LT. ℄ UHIUHI PLACE 8" CROSS

(W2) STA. 0+42.48 O/S 9.5' LT. ℄ UHIUHI PLACE DEFLECT PIPE

(W3) STA. 1+96.35 O/S 9.5' LT. ℄ UHIUHI PLACE 1 – 1" ARV (W.P.= 93.6 psi) 1 – ARV BOX

(W4) STA. 3+43.93 O/S 9.5' LT. ℄ UHIUHI PLACE BEGIN PIPE DEFLECTION

(W5) STA. 4+76.46 O/S 9.5' LT. ℄ UHIUHI PLACE TYPE "A" F.H. CONNECTION 1 – 8" x 6" C.I. TEE, M.J. 2 – MEGALUGS BTWN. TEE & VALVE 1 – NIPPLE, 2' LONG 1 – 6" G.V., M.J. 1 – C.I. VALVE BOX & COVER 1 – 6" HYDRANT ELBOW, M.J. 14~~12~~ L.F. 6" D.I. PIPE 1 – 6" 1/4 C.I. BEND, M.J. 1– F.H. (HT.=~~4.5'~~)3.1' 3 – CONC. BLOCKS (F.H. @ STA. 4+85±)

(W6) STA. 6+69.66 O/S 9.5' LT. ℄ UHIUHI PLACE 1 – 8" 1/8 BEND, M.J. (HORIZONTAL)

(W7) STA. 7+14.03 O/S 31.76' RT. ℄ UHIUHI PLACE END 8" WATER 1 – 1" ARV (W.P.= 86.8 psi) 1 – 8" CAP TAPPED FOR 2" I.P.T. 1 – 2" CLEANOUT 2 – M.H. 1 – CONC. BLOCK SEE DWS STD DETAIL V20

SEWER NOTES

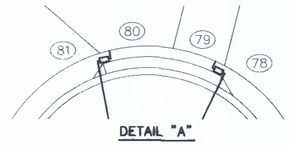
(S1) STA. (–)0+05 O/S 5' RT. ℄ UHIUHI PLACE SMH #A8 TOP = 380.28 INV. = 372.70

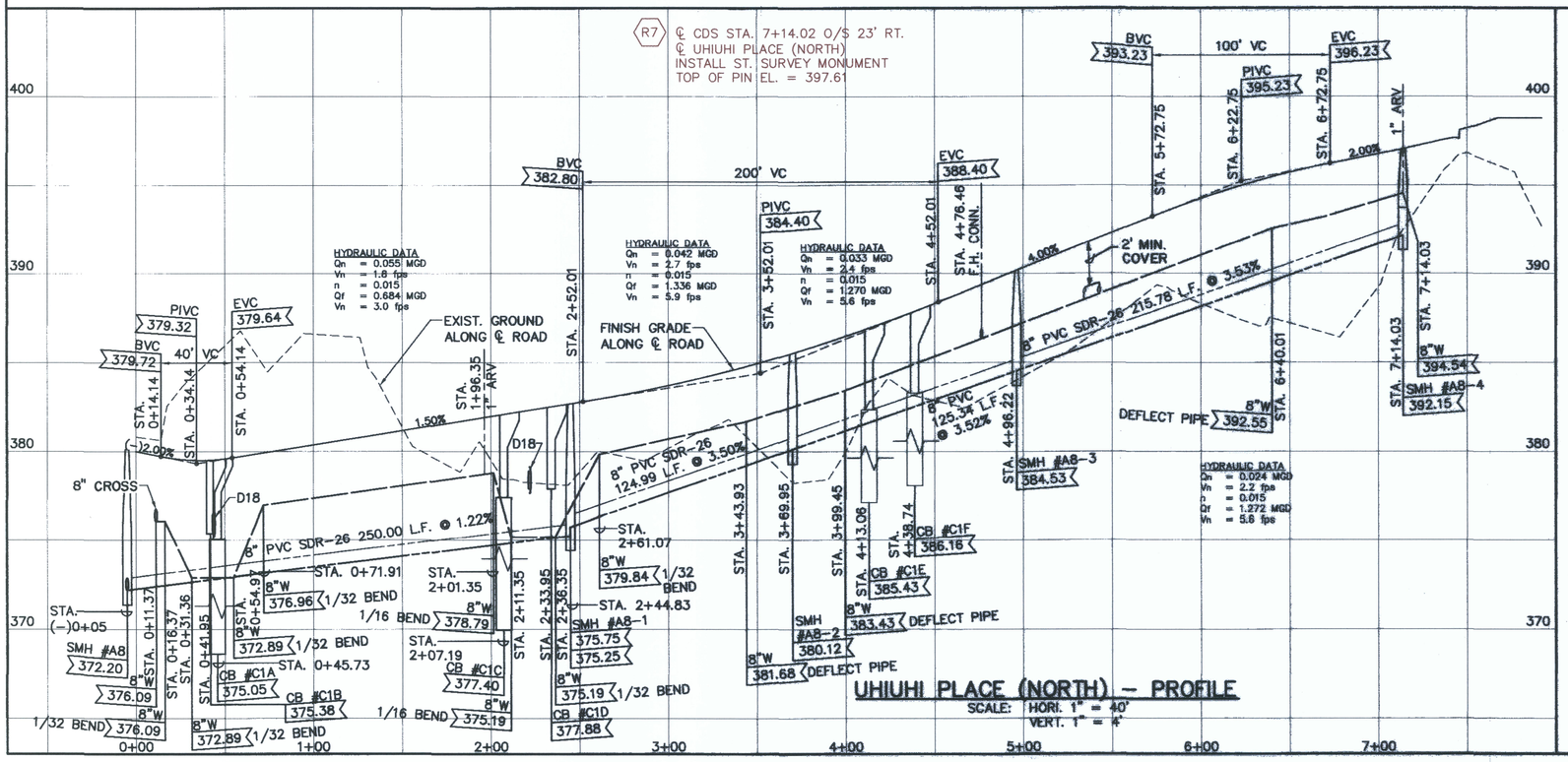
(S2) STA. 2+44.83 O/S 5' RT. ℄ UHIUHI PLACE CONSTRUCT SMH #A8–1 TOP = 382.59 INV. = 375.75 (8" IN) INV. = 375.25 (8" OUT)

(S3) STA. 3+69.95 O/S 5' RT. ℄ UHIUHI PLACE CONSTRUCT SMH #A8–2 TOP = 385.46 INV. = 380.12

(S4) STA. 4+96.22 O/S 5' RT. ℄ UHIUHI PLACE CONSTRUCT SMH #A8–3 TOP = 390.12 INV. = 384.53

(S5) STA. 7+14.03 O/S 5' RT. ℄ UHIUHI PLACE CONSTRUCT SMH #A8–4 TOP = 397.24 INV. = 392.15





UHIUHI PLACE (NORTH) – PROFILE

SCALE: HORI. 1" = 40' VERT. 1" = 4'

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE (HDPE)
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
- SINGLE SERVICE SEWER LATERAL
- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE B CONNECTION FOR 2 – 5/8" METERS
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METER
- (5) LOT NUMBER

CURVE	①	②	③
Δ	26°30'30"	65°35'00"	239°52'01"
Δ/2	13°15'15"	32°47'30"	119°56'00"
R	800.00	46.00	39.00
T	188.44	29.64	67.73
C	366.83	49.83	67.60
Lc	370.13	52.65	163.27

(S6) INSTALL ADVANCE SEWER RISER CONNECTION IN LOTS 64 TO 74, 77 & 81 TO 94 SEE DETAIL, SHT. 33

(S7) INSTALL TRAFFIC RATED CO & FRAME & COVER SEE DETAIL, SHT. 33

APPROVED:

DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, COUNTY OF HAWAII — DATE 4/22/10

PCD #8 ⑧
PCD #3 ③

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
~~05/11/10~~	REVISE WATER LAT – LOT 79/80		
07/31/09	REVISE WATER LATERAL CALL OUT		

SCALE: 1" = 4'

SCALE: 1" = 40'

SHELDON T. YAMASAKO LICENSED PROFESSIONAL ENGINEER No.4733-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION LICENSE EXPIRES 4/30/10

DEPARTMENT OF HAWAIIAN HOME LANDS

LA'I'OPUA VILLAGE 5

TAX MAP KEY: (3) 7-4-21:6

KAILUA–KONA, NORTH KONA, HAWAII

PLAN & PROFILE UHIUHI PLACE (NORTH)

Approved:

COUNTY ENGINEER, DPW, COUNTY OF HAWAII — DATE

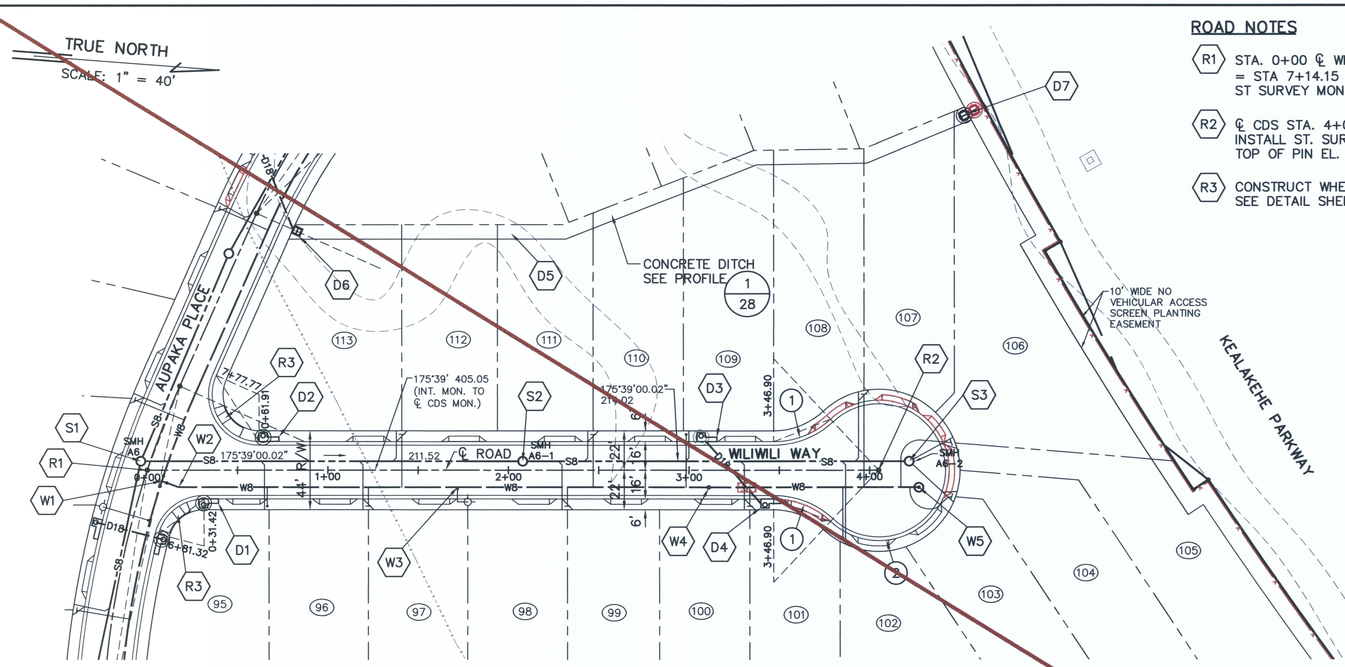
AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

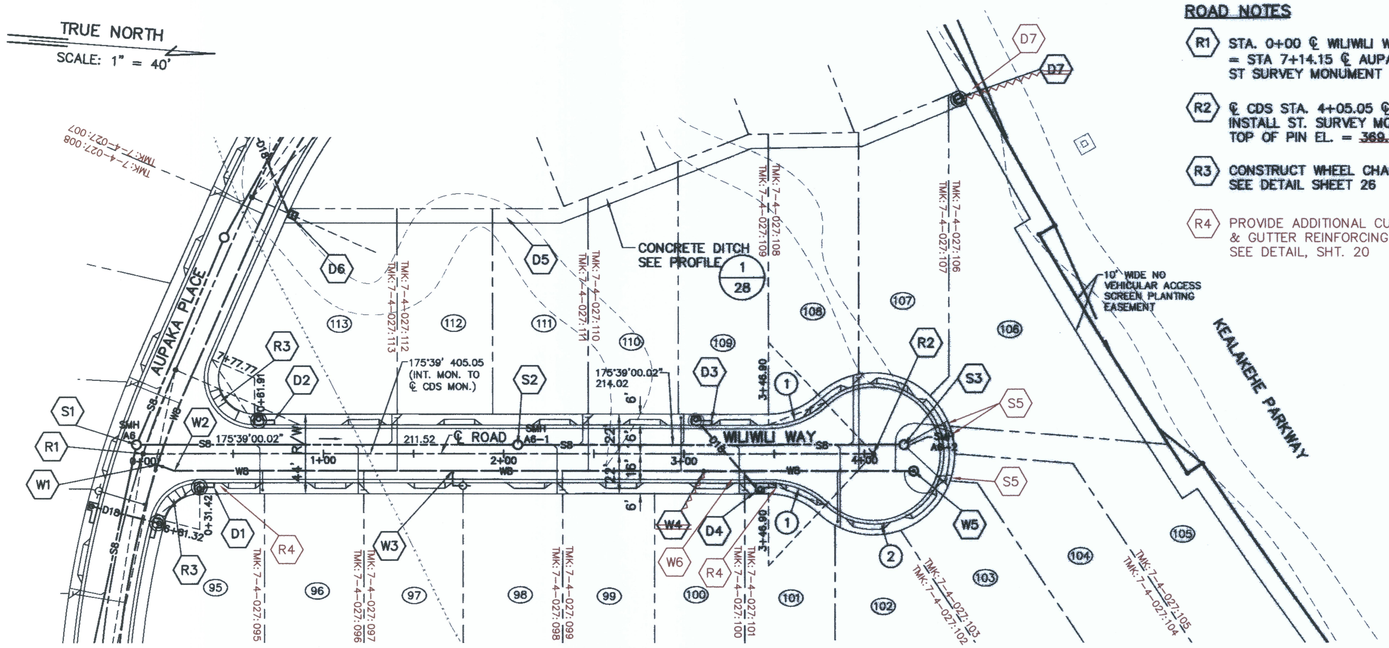
FILE	POCKET	FOLDER	NO.

AS-BUILT

SHEET 15A OF 67 SHEETS

Last Save by: GMG
Last Saved: 4/21/2009
Plotted on: 4/21/2009
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TRUE NORTH
SCALE: 1" = 40'
AUPAKA PLACE
KEALAKEHE PARKWAY
WILIWILI WAY
℄ ROAD
CONCRETE DITCH SEE PROFILE 1/28
10' WIDE NO VEHICULAR ACCESS SCREEN PLANTING EASEMENT
175°39' 405.05 (INT. MON. TO ℄ CDS MON.)
175°39'00.02" 211.52
175°39'00.02" 211.52
S 8° 39' 00.02" W 211.52
S 8° 39' 00.02" W 206.24
S 8° 39' 00.02" W 206.24
S 8° 39' 00.02" W 206.24



WILIWILI WAY – PLAN
SCALE: 1" = 40'

ROAD NOTES

- (R1) STA. 0+00 ℄ WILIWILI WAY = STA 7+14.15 ℄ AUPAKA PLACE ST SURVEY MONUMENT
- (R2) ℄ CDS STA. 4+05.05 ℄ WILIWILI WAY INSTALL ST. SURVEY MONUMENT TOP OF PIN EL. = ~~369.29~~ 369.48
- (R3) CONSTRUCT WHEEL CHAIR RAMP SEE DETAIL SHEET 26
- (R4) PROVIDE ADDITIONAL CURB & GUTTER REINFORCING SEE DETAIL, SHT. 20

WATER NOTES

- (W1) STA. 0+08.01 O/S 6.08' RT. ℄ WILIWILI WAY 8" TEE
- (W2) STA. 0+17.41 O/S 9.5' RT. ℄ WILIWILI WAY 1 – 8" 1/16 BEND 1 – CONC. BLOCK
- (W3) STA. 1+71.73 O/S 9.5' RT. ℄ WILIWILI WAY TYPE "A" F.H. CONNECTION 1 – 8" x 6" C.I. TEE, M.J. 2 – MEGALUGS BTWN. TEE & VALVE 1 – NIPPLE, 2' LONG 1 – 6" G.V., M.J. 1 – C.I. VALVE BOX & COVER 1 – 6" HYDRANT ELBOW, M.J. 12 L.F. 6" D.I. PIPE 1 – 6" 1/4 C.I. BEND, M.J. 1– F.H. (HT.=4.5') 3.2' 3 – CONC. BLOCKS
- (W4) ~~STA. 3+10.95 O/S 9.5' RT. ℄ WILIWILI WAY 1 – 1" ARV (W.P.= 99.5 psi) 1 – ARV BOX 1 – 8" BOSSED TEE, D.I.~~
- (W5) STA. 4+27.29 O/S 9.5' RT. ℄ WILIWILI WAY END 8" WATER 1 – 1" ARV (W.P.= 99.2 psi) 1 – 8" CAP TAPPED FOR 2" I.P.T. 1 – 2" CLEANOUT 1 – M.H. 1 – CONC. BLOCK SEE DWS STD DETAIL V20
- (W6) CONSTRUCT 4" THICK REINFORCED CONCRETE SLAB 10' LONG & 5' WIDE PARALLEL TO ℄ WILIWILI WAY UNDER W8 CENTERED ABOVE D18

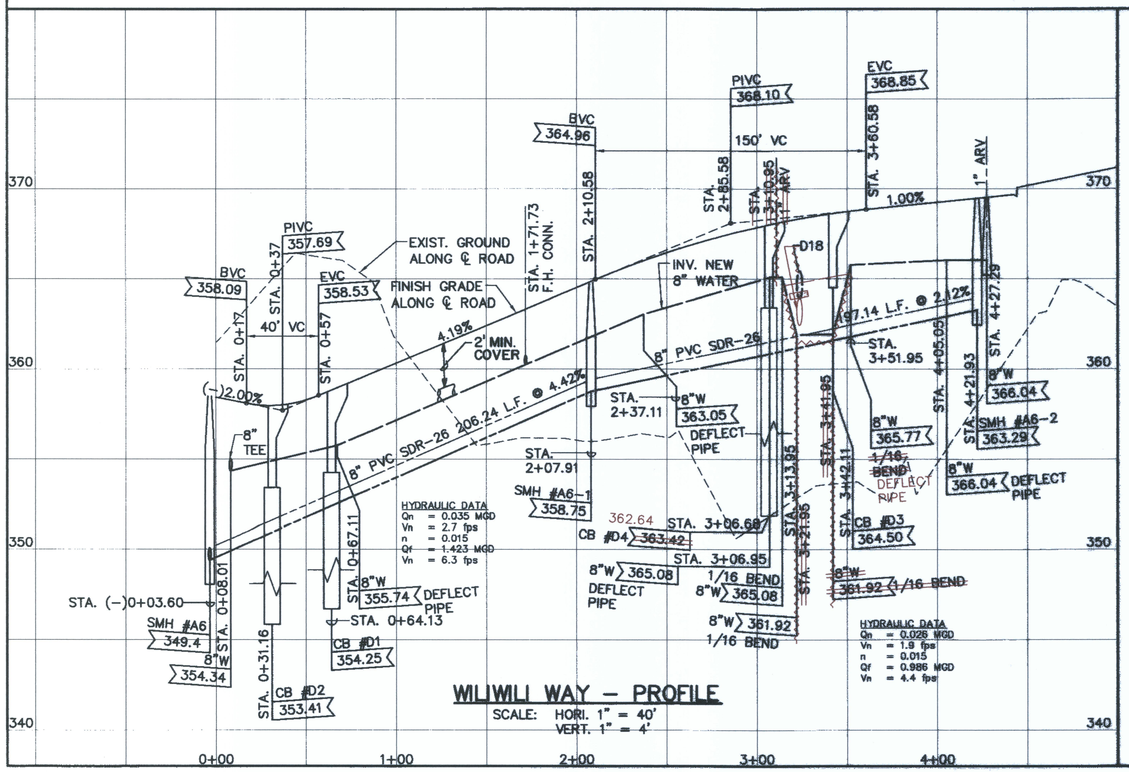
DRAIN NOTES

- (D1) STA. 0+31.16 ℄ WILIWILI WAY CONSTRUCT C.B. "D2" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 353.41 SEE DETAIL SHEET 29
- (D2) STA. 0+64.13 ℄ WILIWILI WAY CONSTRUCT C.B. "D1" TYPE "A" OVER DRYWELL TOP OF DRYWELL = 354.25 SEE DETAIL SHEET 29
- (D3) STA. 3+06.68 ℄ WILIWILI WAY CONSTRUCT C.B. "D4" TYPE "A" OVER EXIST. DRYWELL TOP OF DRYWELL = ~~363.42~~ SEE DETAIL SHEET 30
- (D4) STA. 3+42.11 ℄ WILIWILI WAY CONSTRUCT C.B. "D3" TYPE "A" INV. = ~~364.50~~
- (D5) CONSTRUCT CONCRETE DITCH SEE SHEET 28
- (D6) STA. 0+80.86 ℄ WILIWILI WAY CONSTRUCT GRATE INLET "D6" TYPE "G4" SEE DETAIL SHEET 28
- (D7) ~~STA. 4+52.55 ℄ WILIWILI WAY~~ O/S 6' FROM KEALAKEHE PKWY ROW CONSTRUCT SHALLOW DRYWELL WITH GRATE INLET "D5" TYPE "G4" SEE DETAIL SHEET 28

SEWER NOTES

- (S1) STA. (–)0+03.60 O/S 5' LT. ℄ WILIWILI WAY SMH #A6 TOP = 358.09 INV. = 349.40
- (S2) STA. 2+07.91 O/S 5' LT. ℄ WILIWILI WAY CONSTRUCT SMH #A6-1 TOP = 364.75 INV. = 358.75
- (S3) STA. 4+21.93 O/S 5' LT. ℄ WILIWILI WAY CONSTRUCT SMH #A6-2 TOP = 368.93 INV. = 363.29
- (S4) INSTALL ADVANCE SEWER RISER CONNECTION IN LOTS 95 TO 113 SEE DETAIL, SHT. 33
- (S5) INSTALL TRAFFIC RATED CO & FRAME & COVER SEE DETAIL, SHT. 33

CURVE	①	②
Δ	43°09'46"	266°19'33"
Δ/2	21°34'53"	133°09'46.5"
R	46.00	39.00
T	18.20	41.58
C	33.84	56.89
Lc	34.65	181.28



WILIWILI WAY – PROFILE
SCALE: HORI. 1" = 40'
VERT. 1" = 4'

LEGEND

- e/w8 — EXIST. WATER LINE
- W8 — NEW WATER LINE
- e/d24 — EXIST. DRAIN LINE
- D24 — NEW DRAIN LINE (HDPE)
- e/s8 — EXIST. SEWER LINE
- S8 — NEW SEWER LINE
- DOUBLE SERVICE SEWER LATERAL
- SINGLE SERVICE SEWER LATERAL
- FIRE HYDRANT
- 1 1/2" DOUBLE SERVICE WATER LATERAL W/ TYPE B CONNECTION FOR 2 – 5/8" METERS
- 1" SINGLE SERVICE WATER LATERAL W/ TYPE A CONNECTION FOR ONE 5/8" METER
- (5) LOT NUMBER

APPROVED:

DIVISION CHIEF, DEPARTMENT OF ENVIRONMENTAL MANAGEMENT, COUNTY OF HAWAII — DATE 3/22/07

SCALE: 1" = 4'

SCALE: 1" = 40'

SHELDON T. YAMASATO LICENSED PROFESSIONAL ENGINEER No. 4733-C HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION
LICENSE EXPIRES 4/30/10

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

DEPARTMENT OF HAWAIIAN HOME LANDS
LA'I'OPUA VILLAGE 5
TAX MAP KEY: (3) 7-4-21:6
KAILUA-KONA, NORTH KONA, HAWAII

PLAN & PROFILE WILIWILI WAY

Approved:

COUNTY ENGINEER, DPW, COUNTY OF HAWAII — DATE

AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

FILE	POCKET	FOLDER	NO.

AS-BUILT

SHEET 16A OF 67 SHEETS

Last Save by: GMG
Last Saved: 4/21/2009
Plotted on: 4/21/2009
G:\DHHL0402\ACAD\PCD1\DHL04215_STrPCD1.DWG

KANIOHALE

TRUE NORTH

PROJECT LIMITS

KEANALEHU DRIVE

FOR KEANALEHU DRIVE SIGNING & STRIPING SEE SHEET 35

STATE ROW

KULU'I WAY

'AHEAHEA WAY

AUPAKA PLACE

UHIUHI PLACE

WILIWILI WAY

KEALAKEHE PARKWAY

PUOHULIHULI STREET

BLUE REFLECTIVE MARKER

4" DOUBLE YELLOW STRIPE (TYP.)

BLUE REFLECTIVE MARKER 12" AWAY FROM ℄ (TYP.)

12" WHITE STOP LINE (TYP.)

12" WHITE CROSSWALK (TYP.)

PROJECT LIMITS

BLUE REFLECTIVE MARKER

BLUE REFLECTIVE MARKER

BLUE REFLECTIVE MARKER

BLUE REFLECTIVE MARKER

R7-1 (L) 12" x 18"
R7-1 (D) 12" x 18"
R7-1 (R) 12" x 18"
NO PARKING ANY TIME
W14-1 30" x 30"
DEAD END
R8-3 24" x 24"
BEGIN 24" x 12"
END 24" x 12"
R1-1 30" x 30"
STOP
R2-1(25) 24" x 30"
SPEED LIMIT 25
NO OUTLET
W14-2 30" x 30"
AUPAKA PL. 0000
KULU'I WAY 0000
'AHEAHEA WAY 0000
UHIUHI PL. 0000
WILIWILI WAY 0000
KEANALEHU DR. 0000
PUOHULIHULI ST. 0000

DEPARTMENT OF PUBLIC WORKS
COUNTY OF HAWAII'S STANDARD DETAIL

TYPICAL INSTALLATIONS

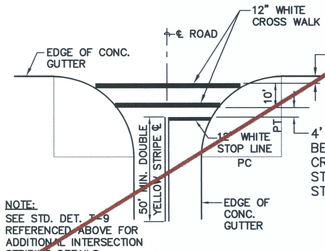
HEIGHT & LATERAL LOCATION OF SIGN — T-2
LOCATION FOR STOP SIGNS — T-3
INTERSECTION DETAIL FOR STRIPING — T-9
STRIPING DETAILS — T-10
STREET NAME & SIGN DETAIL — T-11

NOTE:

ALL REGULATORY SIGNS SHALL BE HIGH INTENSITY.

REFERENCE:

MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS OF THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAYS ADMINISTRATION, LATEST EDITION.



NOTE:
SEE STD. DET. T-9 REFERENCED ABOVE FOR ADDITIONAL INTERSECTION STRIPING DETAILS.

TYPICAL LOCAL STREET INTERSECTION STRIPING

SIGNING & STRIPING PLAN
SCALE: 1" = 60'

AUPAKA PLACE & KEANALEHU DRIVE SIGHT DISTANCE

(REF. AASHTO – A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 2001 SECTION 9 – INTERSECTION CONTROL)

POSTED SPEED: 25 MPH
DESIGN SPEED: 25 MPH

	D_L	D_R
REQUIRED	276	276 FEET
ACTUAL	493	600+ FEET

UHIUHI PLACE & PUOHULIHULI STREET SIGHT DISTANCE

(REF. AASHTO – A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 2001 SECTION 9 – INTERSECTION CONTROL)

POSTED SPEED: 25 MPH
DESIGN SPEED: 25 MPH

	D_L	D_R
REQUIRED	276	276 FEET
ACTUAL	390	442 FEET

WILIWILI WAY & AUPAKA PLACE SIGHT DISTANCE

(REF. AASHTO – A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 2001 SECTION 9 – INTERSECTION CONTROL)

	D_L	D_R
POSTED SPEED:	25 MPH	25 MPH
DESIGN SPEED:	25 MPH	25 MPH
REQUIRED	276	276 FEET
ACTUAL	N/A	N/A FEET

REMOVE STRIPING AT INTERSECTION TO PROVIDE OPENING

60 0 60 120
SCALE: 1" = 60'

FOR WORK ALONG KEALAKEHE PARKWAY:

ALL PAVEMENT MARKING(S) DETERMINED TO BE DISTURBED BY THE HAWAII DISTRICT ENGINEER OR HIS REPRESENTATIVE, SHALL BE IMMEDIATELY REPLACED WITHOUT QUESTION AND AT NO COST TO THE STATE.

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

DEPARTMENT OF HAWAIIAN HOME LANDS
LA'I'OPUA VILLAGE 5
TAX MAP KEY: (3) 7-4-21:6
KAILUA-KONA, NORTH KONA, HAWAII

SIGNING & STRIPING PLAN

SHELDON T. YAMASATO
LICENSED PROFESSIONAL ENGINEER
No. 4733-C
HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION
LICENSE EXPIRES 4/30/10

Approved:

COUNTY ENGINEER, DPW, COUNTY OF HAWAII — DATE

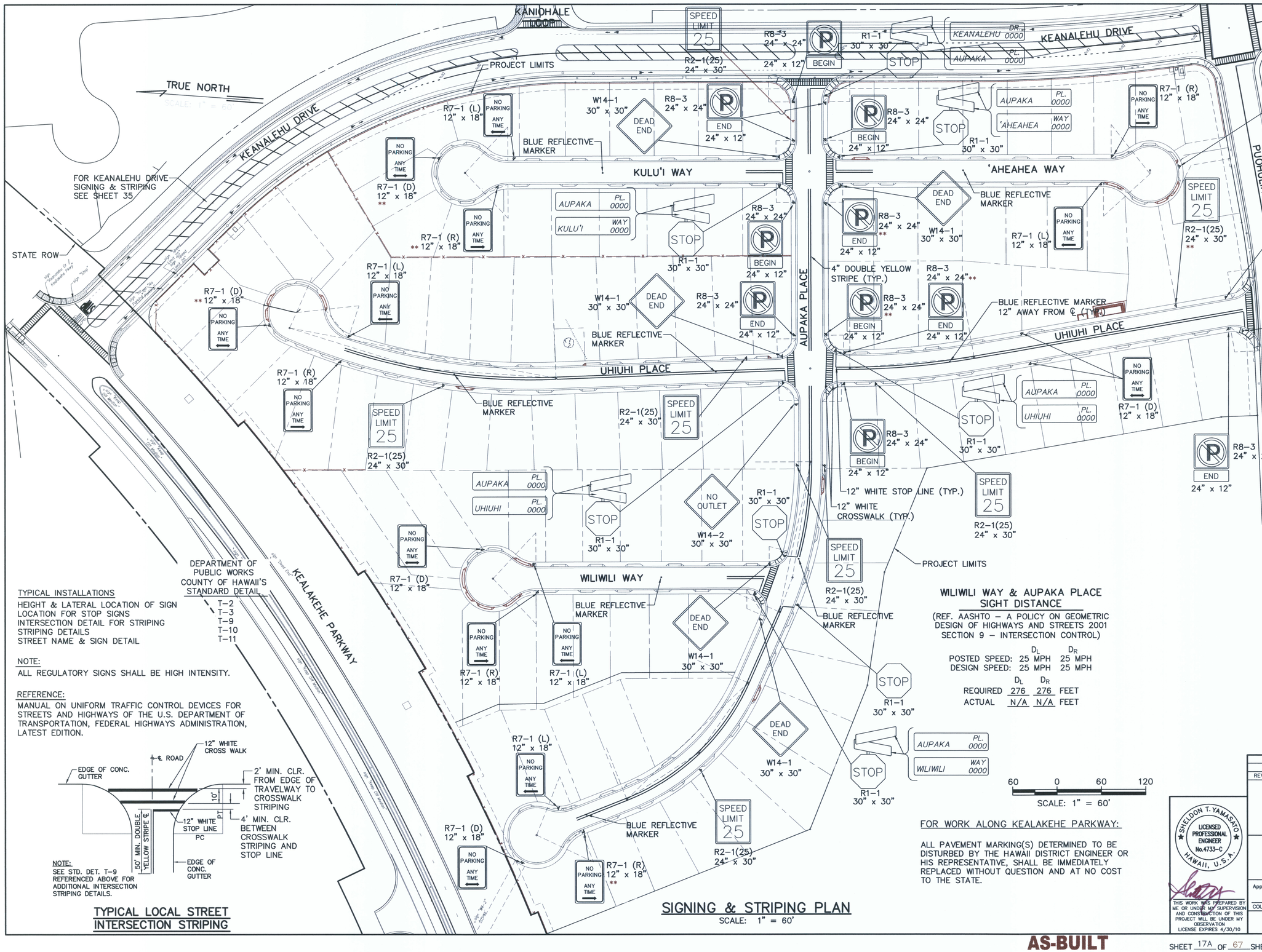
AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

FILE	POCKET	FOLDER	NO.

SUPERSEDED BY SHEET 17A

SHEET 17 OF 67 SHEETS

Last Save by: GMG
Last Saved: 6/4/2012
Plotted on: 6/4/2012
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AUPAKA PLACE & KEANALEHU DRIVE SIGHT DISTANCE

(REF. AASHTO – A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 2001 SECTION 9 – INTERSECTION CONTROL)

POSTED SPEED: 25 MPH
DESIGN SPEED: 25 MPH

	D_L	D_R	
REQUIRED	276	276	FEET
ACTUAL	493	600+	FEET

UHIUHI PLACE & PUOHULIHULI STREET SIGHT DISTANCE

(REF. AASHTO – A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 2001 SECTION 9 – INTERSECTION CONTROL)

POSTED SPEED: 25 MPH
DESIGN SPEED: 25 MPH

	D_L	D_R	
REQUIRED	276	276	FEET
ACTUAL	390	442	FEET

WILIWILI WAY & AUPAKA PLACE SIGHT DISTANCE

(REF. AASHTO – A POLICY ON GEOMETRIC DESIGN OF HIGHWAYS AND STREETS 2001 SECTION 9 – INTERSECTION CONTROL)

POSTED SPEED: 25 MPH
DESIGN SPEED: 25 MPH

	D_L	D_R	
REQUIRED	276	276	FEET
ACTUAL	N/A	N/A	FEET

DEPARTMENT OF PUBLIC WORKS
COUNTY OF HAWAII'S STANDARD DETAIL

TYPICAL INSTALLATIONS

HEIGHT & LATERAL LOCATION OF SIGN	T-2
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SCALE: 1" = 60'

REVISION DATE	DESCRIPTION	MADE BY	APPROVED

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LA'I'OPUA VILLAGE 5
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SIGNING & STRIPING PLAN

Approved:
COUNTY ENGINEER, DPW, COUNTY OF HAWAII DATE

AKINAKA & ASSOCIATES, LTD.
CONSULTING ENGINEERS

SHELDON T. YAMASATO
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LICENSE EXPIRES 4/30/10

FILE	POCKET	FOLDER	NO.

AS-BUILT

SHEET 17A OF 67 SHEETS

Last Save by: GMG
Last Saved: 5/29/2012
Plotted on: 5/29/2012
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