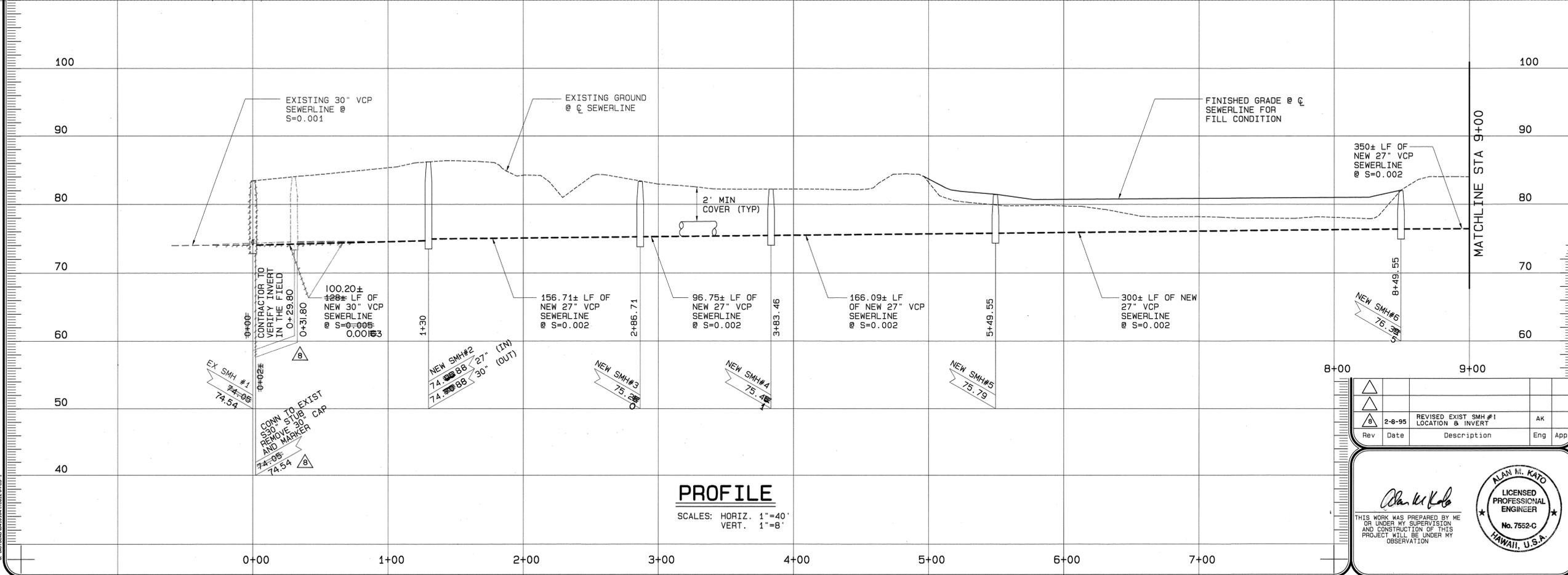


NOTE:  
GRADE EASEMENT AREA TO PROVIDE ACCESS FOR 2-WHEEL DRIVE MAINTENANCE VEHICLES. CHANGES IN SLOPES TO BE TRANSITIONED TO PREVENT VEHICLE UNDERCARRIAGE DAMAGE.

PIPE O.D. + 2' MIN COVER  
18" DIAMETER SEWERLINE  
27" DIAMETER SEWERLINE  
30" DIAMETER SEWERLINE

**TYPICAL SECTION-SEWERLINE EASEMENT THROUGH GOLF COURSE**  
SCALE: 1/4"=1'-0"



PROJECT NO.190A-02-92

**BELT COLLINS & ASSOCIATES**  
Engineering • Planning • Landscape Architecture  
680 Ala Moana Boulevard Suite 200 Honolulu, Hawaii 96813  
Phone: (808) 521-5361 Telex: BELTH 7430474 Fax: (808) 538-7819

Client:  
**HOUSING FINANCE AND DEVELOPMENT CORPORATION**  
STATE OF HAWAII

VILLAGES OF LA'I OPUA  
BACKBONE INFRASTRUCTURE PHASE-2A

**PLAN AND PROFILE SEWERLINE**  
STA 0+00 TO STA 9+00

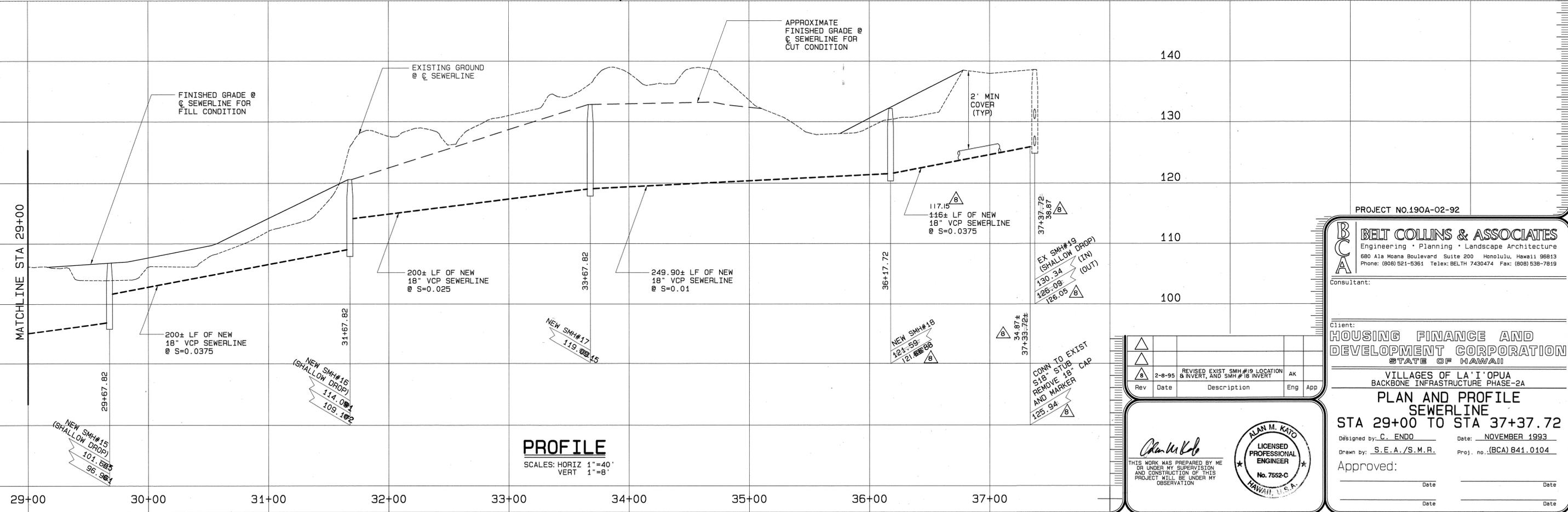
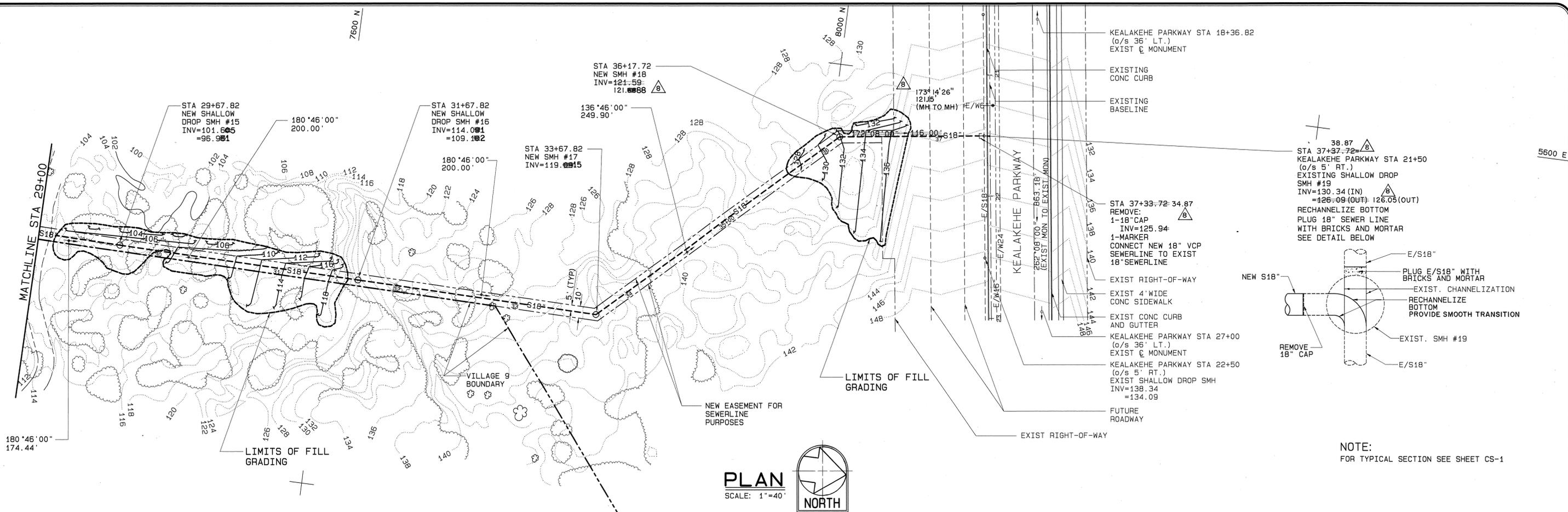
Designed by: C. ENDO Date: NOVEMBER 1993  
Drawn by: S.E.A./S.M.R. Proj. no.: (BCA) 841.0104

Approved: \_\_\_\_\_  
Date \_\_\_\_\_

Rev	Date	Description	Eng	App
2-8-95		REVISED EXIST SMH #1 LOCATION & INVERT	AK	

ALAN M. KATO  
LICENSED PROFESSIONAL ENGINEER  
No. 7552-C  
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THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION



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Consultant:

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 STATE OF HAWAII

VILLAGES OF LA'I OPUA  
 BACKBONE INFRASTRUCTURE PHASE-2A

**PLAN AND PROFILE SEWERLINE**  
 STA 29+00 TO STA 37+37.72

Designed by: C. ENDO Date: NOVEMBER 1993  
 Drawn by: S.E.A./S.M.R. Proj. no. (BCA) 841.0104

Approved:

Date \_\_\_\_\_ Date \_\_\_\_\_  
 Date \_\_\_\_\_ Date \_\_\_\_\_

Rev	Date	Description	Eng	App
2-8-95		REVISED EXIST SMH #19 LOCATION AND SMH #18 INVERT	AK	

CONN TO EXIST S18" STUB REMOVE 18" CAP AND MARKER 125.94

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