

MATCH LINE STA. 5+00
SEE SHEET 5

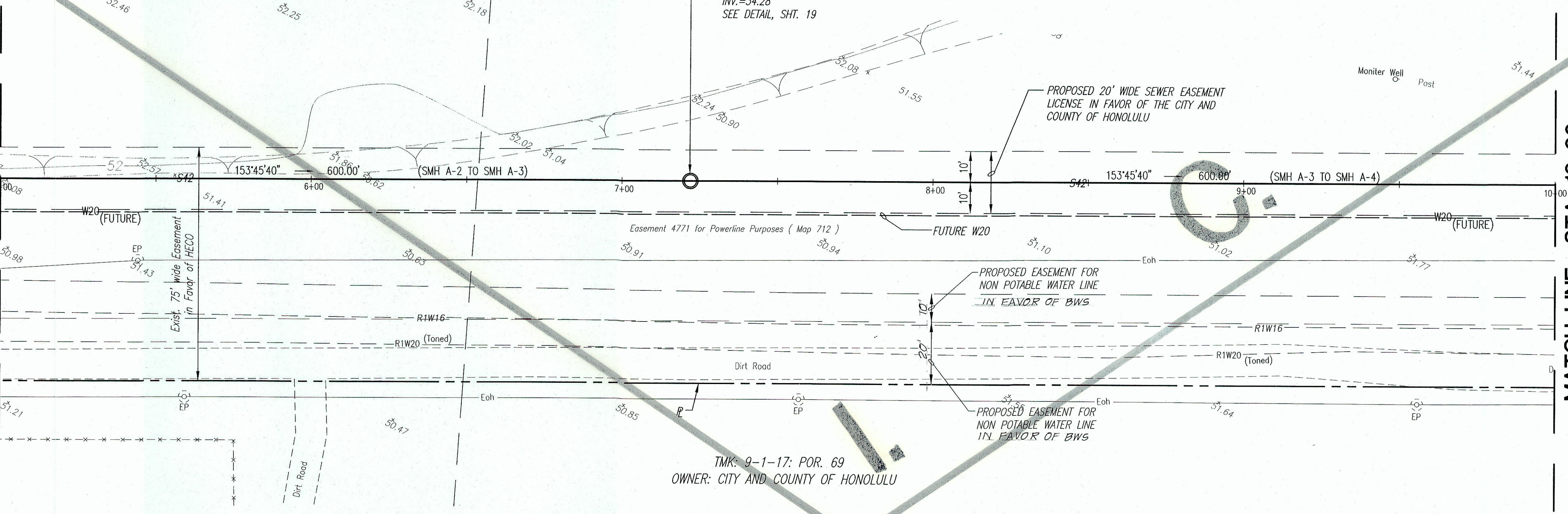
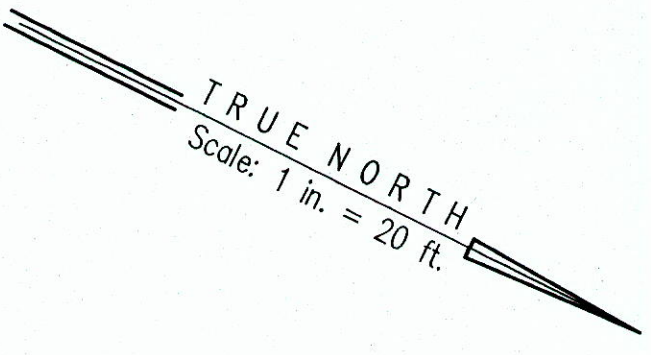
MATCH LINE STA. 5+00
SEE SHEET 5

MATCH LINE STA. 10+00
SEE SHEET 7

MATCH LINE STA. 10+00
SEE SHEET 7

TMK: 9-1-16: POR. 108
LOT 8861-C-1-C
OWNER: STATE OF HAWAII

STA. 7+22
SMH A-3
TYPE A W/ PIPE MARKER
AND CONC SLAB
TOP=52.3±
INV.=34.28
SEE DETAIL, SHT. 19



PLAN
SCALE: 1"=20'

FLOW DATA
n = 0.013
S = 0.0030
Qr = 23.35 mgd
Qa = 35.62 mgd
Vr = 6.1 fps
Va = 5.7 fps

* MINIMUM INSIDE DIAMETER OF SEWER PIPE
SEE DETAIL, SHEET 19
* "GFR" : GLASS FIBER REINFORCED SEWER
(APPROVED BY DDC & ENV DEPTS.)

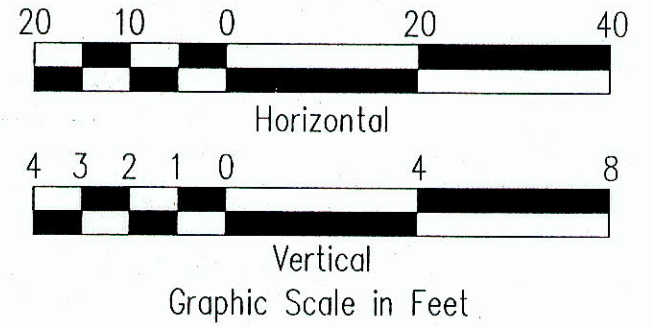
*42" GFR SEWER 600' @ 0.3% (SMH SPACING APPROVED BY ENV. DEPT.)

*42" GFR SEWER 600' @ 0.3% (SMH SPACING APPROVED BY ENV. DEPT.)

7+22
SMH A-3
34.28

PROFILE
SCALES: HORIZ. 1"=20'
VERT. 1"=4'

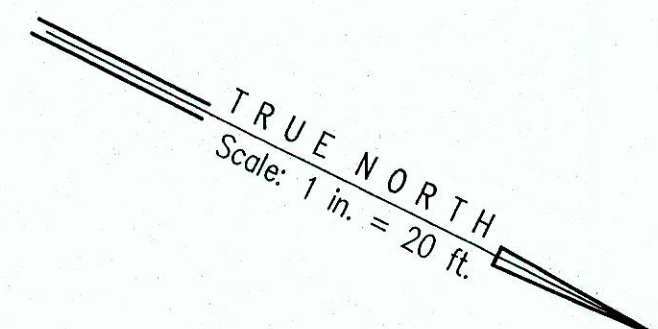
- LEGEND**
- S42 ——— NEW SEWER LINE
 - R1W16 ——— EXISTING NON POTABLE (R) WATERLINE
 - S10 ——— EXISTING SEWER LINE
 - D24 ——— EXISTING DRAIN LINE
 - Eoh ——— EXISTING OVERHEAD ELECTRIC
 - x 50.63 ——— EXISTING SPOT ELEVATION
 - EP OR PP ——— EXISTING ELECTRIC, POWER, OR TELEPHONE POLE
 - W20 ——— FUTURE WATERLINE



C. Michael Street
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.
LICENSE EXPIRATION DATE: 04/30/08

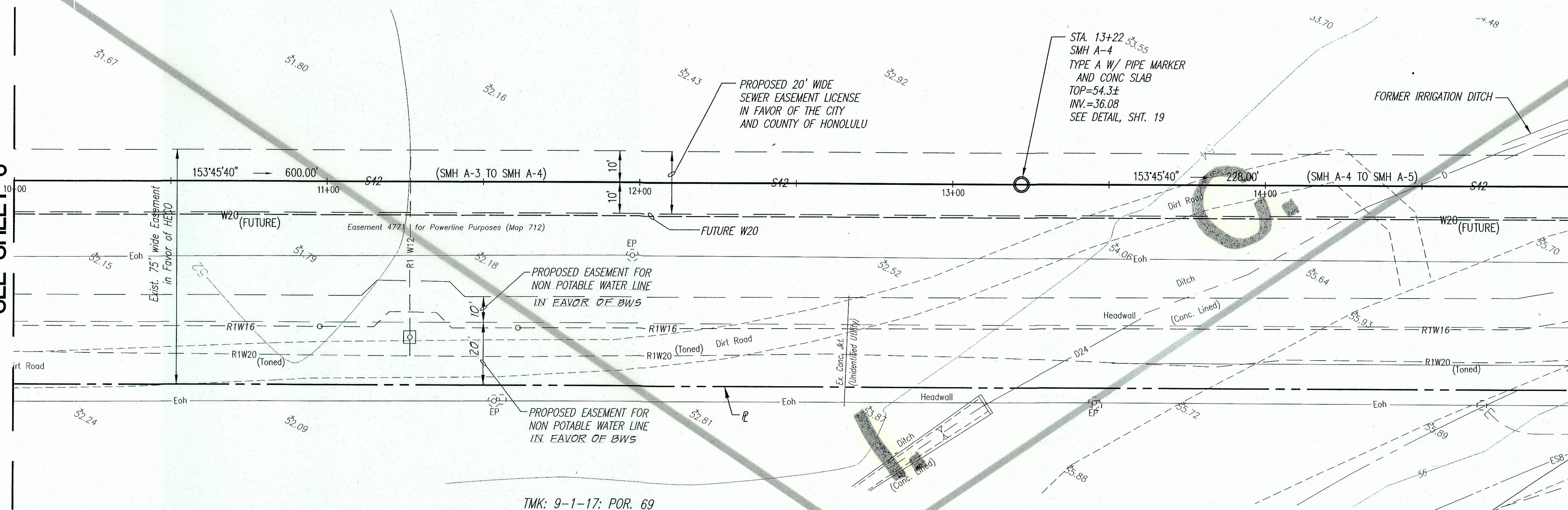
5/11/07	APPVD DWG.		
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
cp&e	Community Planning and Engineering, Inc.		
Engineering Design Construction Management Infrastructure Planning 1100 Alakea Street, 6th Floor Honolulu, Hawaii			
EAST KAPOLEI OFFSITE TRUNK SEWER (DPP SUBD. FILE NO. 2006/SUB-308) HONOLULU, EWA, OAHU, HAWAII OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109 9-1-69 : Por. 1			
PLAN AND PROFILE STA. 5+00 TO 10+00			
DRAWN BY: MFN, LT	ENGINEER: SES	CHECKED BY: CMS	
APPROVED:			
Dennis M. Nashimura CHIEF, WASTEWATER BRANCH, D.P.P.			4/9/07 DATE

TMK: 9-1-16: POR. 108
LOT 8861-C-1-C
OWNER: STATE OF HAWAII



MATCH LINE STA. 10+00
SEE SHEET 6

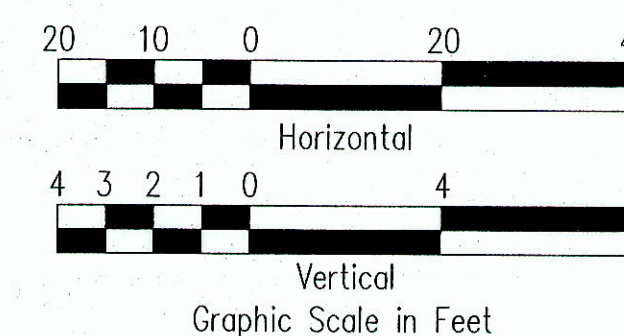
MATCH LINE STA. 15+00
SEE SHEET 8



TMK: 9-1-17: POR. 69
OWNER: CITY AND COUNTY OF HONOLULU

PLAN
SCALE: 1"=20'

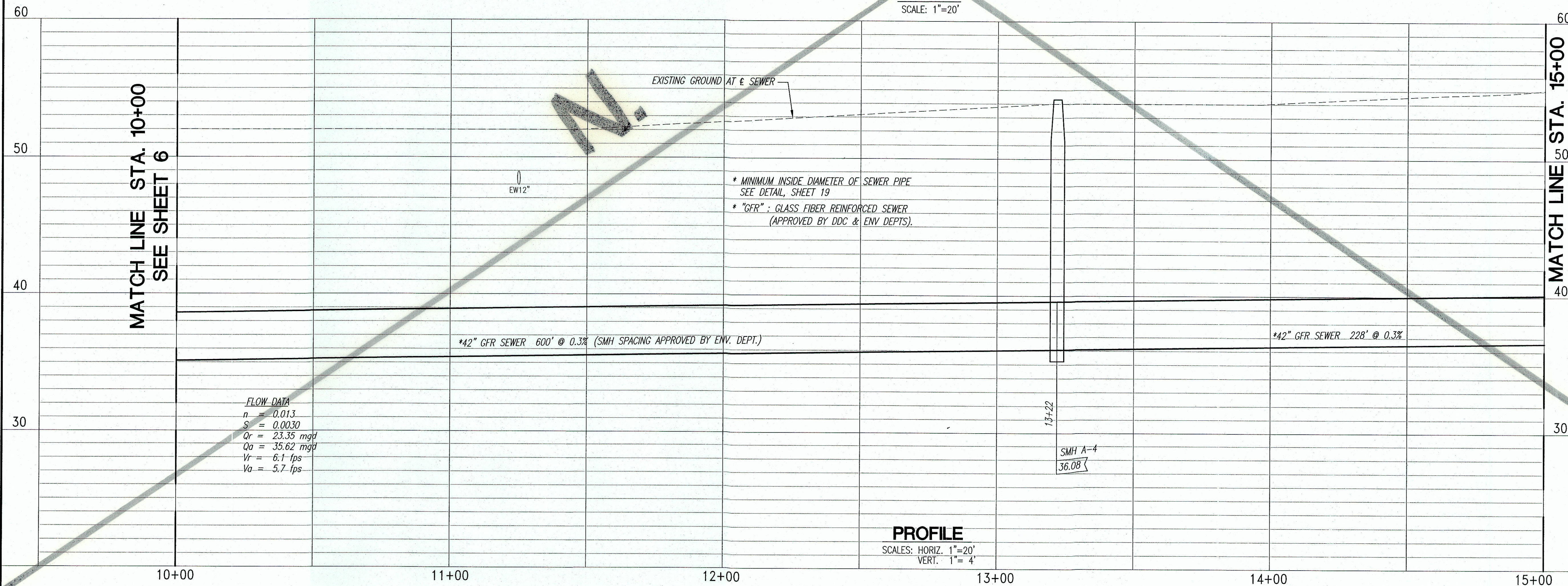
- LEGEND**
- S42 ——— NEW SEWER LINE
 - R1W16 ——— EXISTING NON POTABLE (R1) WATERLINE
 - S10 ——— EXISTING SEWER LINE
 - D24 ——— EXISTING DRAIN LINE
 - Eoh ——— EXISTING OVERHEAD ELECTRIC
 - x 50.63 ——— EXISTING SPOT ELEVATION
 - EP OR PP ——— EXISTING ELECTRIC, POWER, OR TELEPHONE POLE
 - W20 ——— FUTURE WATERLINE



C. Michael Street
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.
LICENSE EXPIRATION DATE: 04/30/08

MATCH LINE STA. 10+00
SEE SHEET 6

MATCH LINE STA. 15+00
SEE SHEET 8



PROFILE
SCALES: HORIZ. 1"=20'
VERT. 1"=4'

5/11/07	APPVD. DWG.		
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1100 Alakea Street, Sixth Floor Honolulu, Hawaii			
EAST KAPOLEI OFFSITE TRUNK SEWER (DPP SUBD. FILE NO. 2006/SUB-308) HONOLULU, EWA, OAHU, HAWAII OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109 9-1-69 : Por. 1			
PLAN AND PROFILE STA. 10+00 TO 15+00			
DRAWN BY: MFN, LT	ENGINEER: SES	CHECKED BY: CMS	
APPROVED: <i>Dennis M. Nelson</i> CHIEF, WASTEWATER BRANCH, D.P.P. DATE: 4/9/07			

MATCH LINE STA. 15+00
SEE SHEET 7

MATCH LINE STA. 15+00
SEE SHEET 7

MATCH LINE STA. 18+00
SEE SHEET 9

MATCH LINE STA. 18+00
SEE SHEET 9

TMK: 9-1-16: POR. 108
LOT 8861-C-1-C
OWNER: STATE OF HAWAII

8" VCP TO BE INSTALLED BY OTHERS.
SEE DOT NORTH-SOUTH
ROAD, PHASE 1B DRAWING C4.5

PROPOSED 20' WIDE SEWER EASEMENT
LICENSE IN FAVOR OF THE CITY AND
COUNTY OF HONOLULU

PROPOSED 10' WIDE SEWER EASEMENT
LICENSE IN FAVOR OF THE CITY AND
COUNTY OF HONOLULU

PROPOSED 12' WIDE SEWER CORRIDOR
(APPROVED BY DDC & ENV DEPTS.
ROADWAY WILL BE CONCRETE PAVEMENT)

STA. 16+65.56
SMH A-6
TYPE C W/ CONC. SLAB
TOP=56.5±
INV.=37.11
SEE DETAIL, SHT. 19

TO BE DEMOLISHED &
REMOVED BY OTHERS
SEE NOTE THIS SHEET

EX. SMH
TOP=56.4±
INV.=48.3±
EXIST. SMH TO BE
REPLACED BY OTHERS

TMK: 9-1-17: POR. 69
OWNER: CITY AND COUNTY OF HONOLULU

PLAN
SCALE: 1"=20'

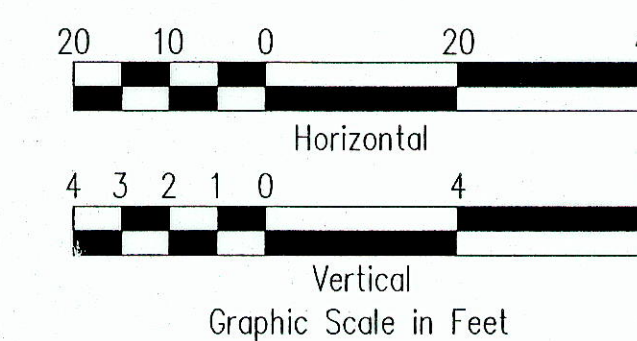
PROFILE
SCALES: HORIZ. 1"=20'
VERT. 1"=4'

PROPOSED
NORTH-SOUTH ROAD
(STATE DOT)

NOTE:
THE DEPARTMENT OF HAWAIIAN HOME LANDS INTENDS TO PICK-UP
THE SEWERS FROM THE EWA VILLAGES GOLF COURSE MAINTENANCE
BUILDING. A SIMILAR CONNECTION IS BEING PROPOSED UNDER
THE CITY'S "EXTENSION OF THE KAPOLEI PARKWAY, PHASE 8B
(NORTH-SOUTH ROAD TO RENTON ROAD) PROJECT (2006/CP-33)
(DDC JOB NO. 01-06). ABANDONMENT AND REMOVAL WORK WILL
BE PERFORMED UNDER THE CITY'S PROJECT. CONTRACTOR SHALL
CONTACT THE ENGINEER TO COORDINATE ALL SEWER WORK PRIOR
TO THE START OF CONSTRUCTION.

LEGEND

- S42 NEW SEWER LINE
- R1W16 EXISTING NON POTABLE (RI)
WATERLINE
- W16 EXISTING WATERLINE
- S10 EXISTING SEWER LINE
- D24 EXISTING DRAIN LINE
- Eoh EXISTING OVERHEAD ELECTRIC
- x 50.63 EXISTING SPOT ELEVATION
- EP OR PP EXISTING ELECTRIC, POWER,
OR TELEPHONE POLE
- W20 FUTURE WATERLINE



C. Michael Street
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.
LICENSE EXPIRATION DATE: 04/30/08

5/11/07 APPVD DWG.

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

EAST KAPOLEI OFFSITE TRUNK SEWER
(DPP SUBD. FILE NO. 2006/SUB-308)
HONOLULU, EWA, OAHU, HAWAII
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109
9-1-69 : Por. 1

**PLAN AND PROFILE
STA. 15+00 TO 18+00**

DRAWN BY: MFN, LT ENGINEER: SES CHECKED BY: CMS

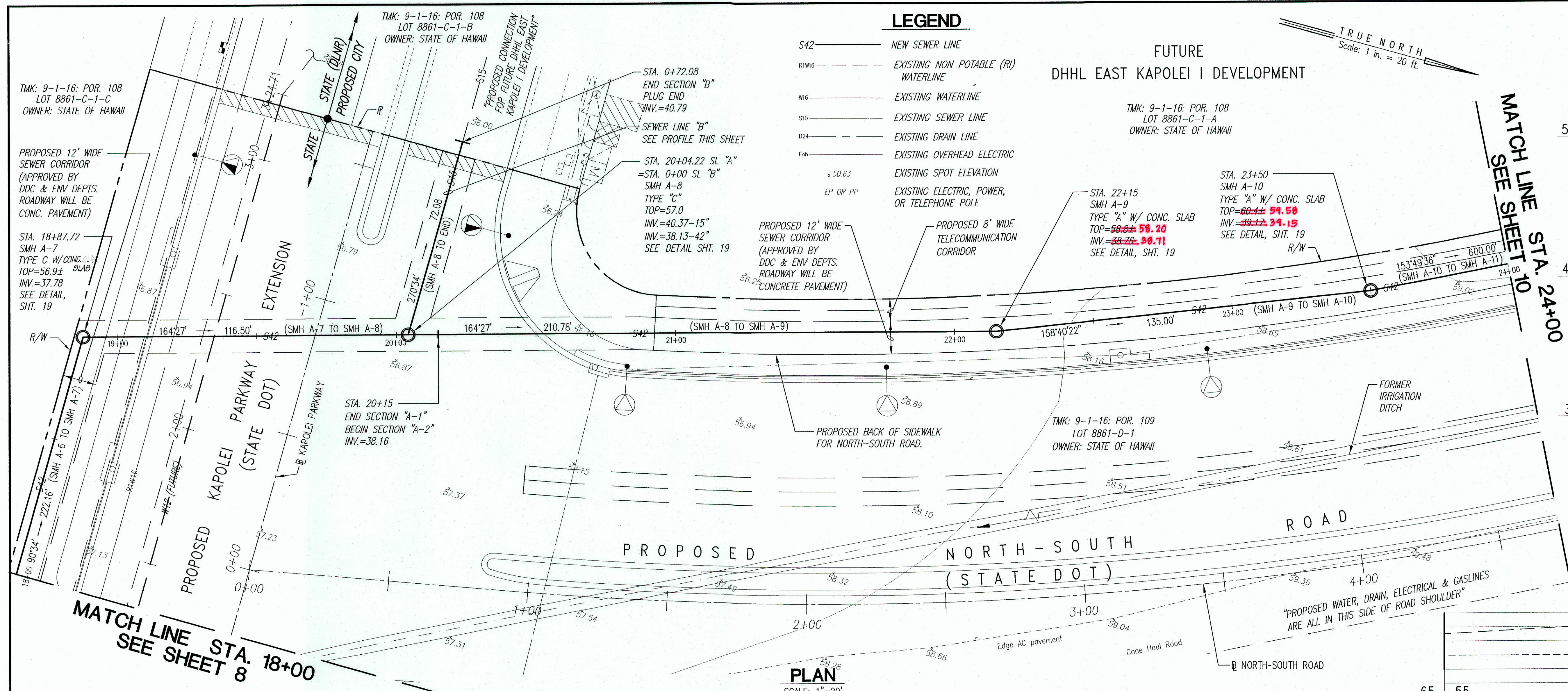
APPROVED: [Signature]

3/4/07

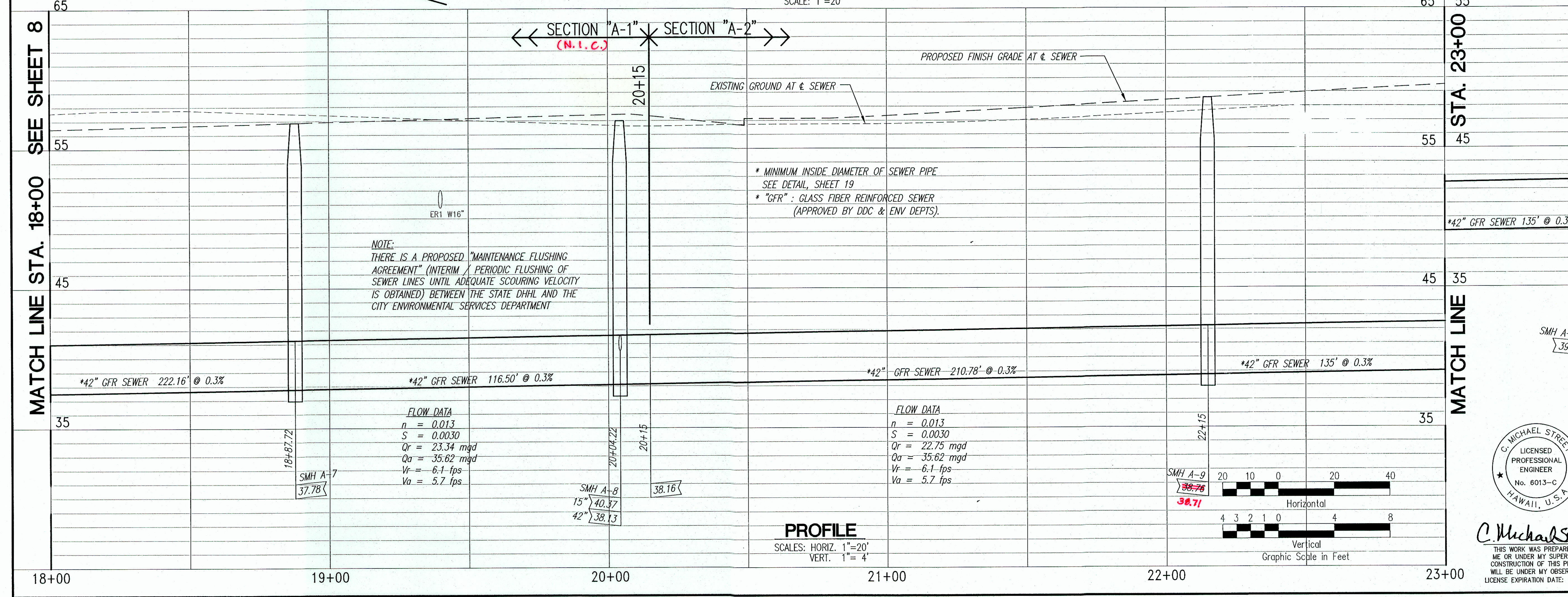
4/9/07

DATE

DATE



- LEGEND**
- S42 — NEW SEWER LINE
 - R1W16 — EXISTING NON POTABLE (R1) WATERLINE
 - W16 — EXISTING WATERLINE
 - S10 — EXISTING SEWER LINE
 - D24 — EXISTING DRAIN LINE
 - Ech — EXISTING OVERHEAD ELECTRIC
 - x 50.63 — EXISTING SPOT ELEVATION
 - EP OR PP — EXISTING ELECTRIC, POWER, OR TELEPHONE POLE



PROFILE SEWER LINE "B"
SCALES: HORIZ. 1"=20'
VERT. 1"=4'

FLOW DATA
n = 0.015
S = 0.0058
Qr = 1.27 mgd
Qa = 2.75 mgd
Vr = 3.39 fps
Va = 3.95 fps

PLAN
SCALE: 1"=20'

PROFILE
SCALES: HORIZ. 1"=20'
VERT. 1"=4'

COMMUNITY PLANNING AND ENGINEERING, INC.
1100 Alakea Street, Sixth Floor
Honolulu, Hawaii

EAST KAPOLEI OFFSITE TRUNK SEWER
(DPP SUBD. FILE NO. 2006/SUB-308)
HONOLULU, EWA, OAHU, HAWAII
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109
9-1-69 : Por. 1

PLAN AND PROFILE
STA. 18+00 TO 24+00
AND SEWER LINE "B"

APPROVED:
C. Michael Street
LICENSED PROFESSIONAL ENGINEER
No. 6013-C
HAWAII, U.S.A.

REVISION DATE DESCRIPTION MADE BY APPROVED

5/11/07	APP'D DWG.		
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DRAWN BY: SWE, LT **ENGINEER:** DKM **CHECKED BY:** CMS

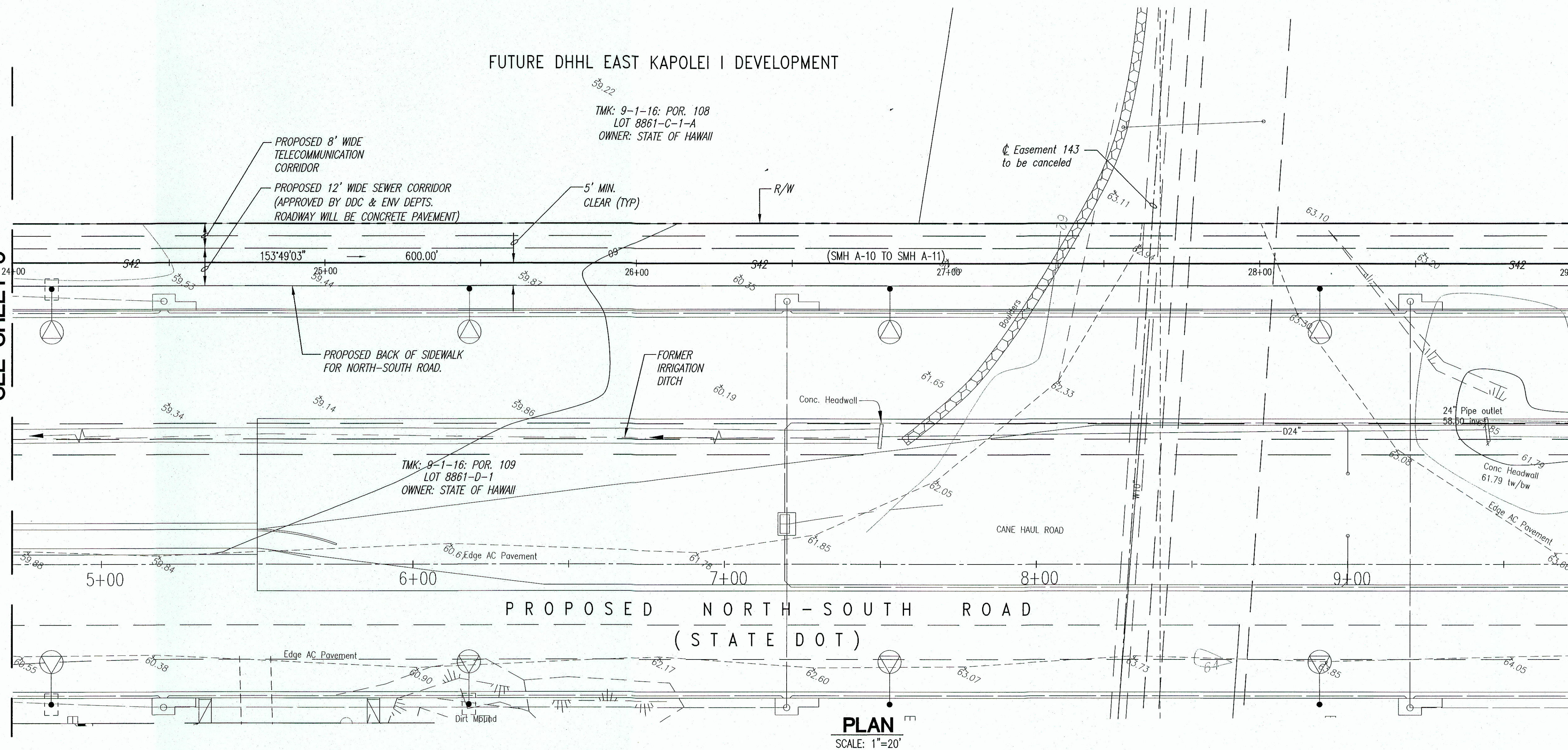
DATE: 3/12/07

DATE: 4/9/07

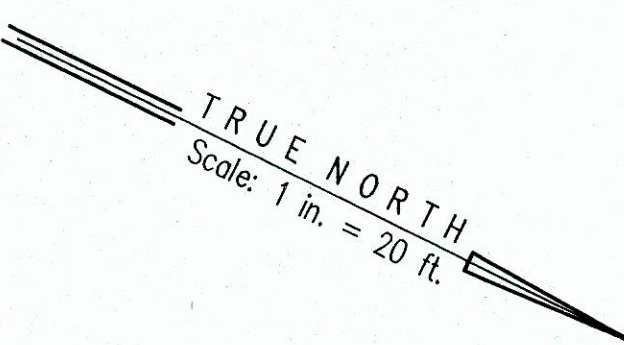
SHEET 9 OF 26 SHEETS

ADD. 341

MATCH LINE STA. 24+00
SEE SHEET 9

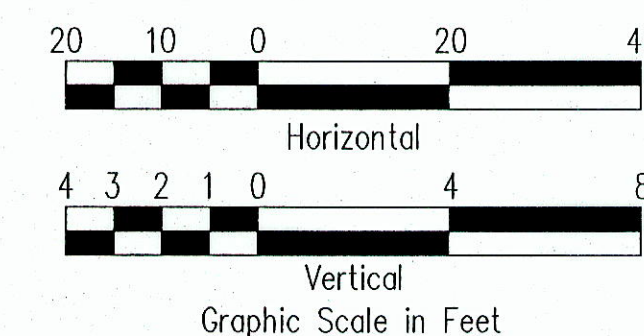


MATCH LINE STA. 29+00
SEE SHEET 11



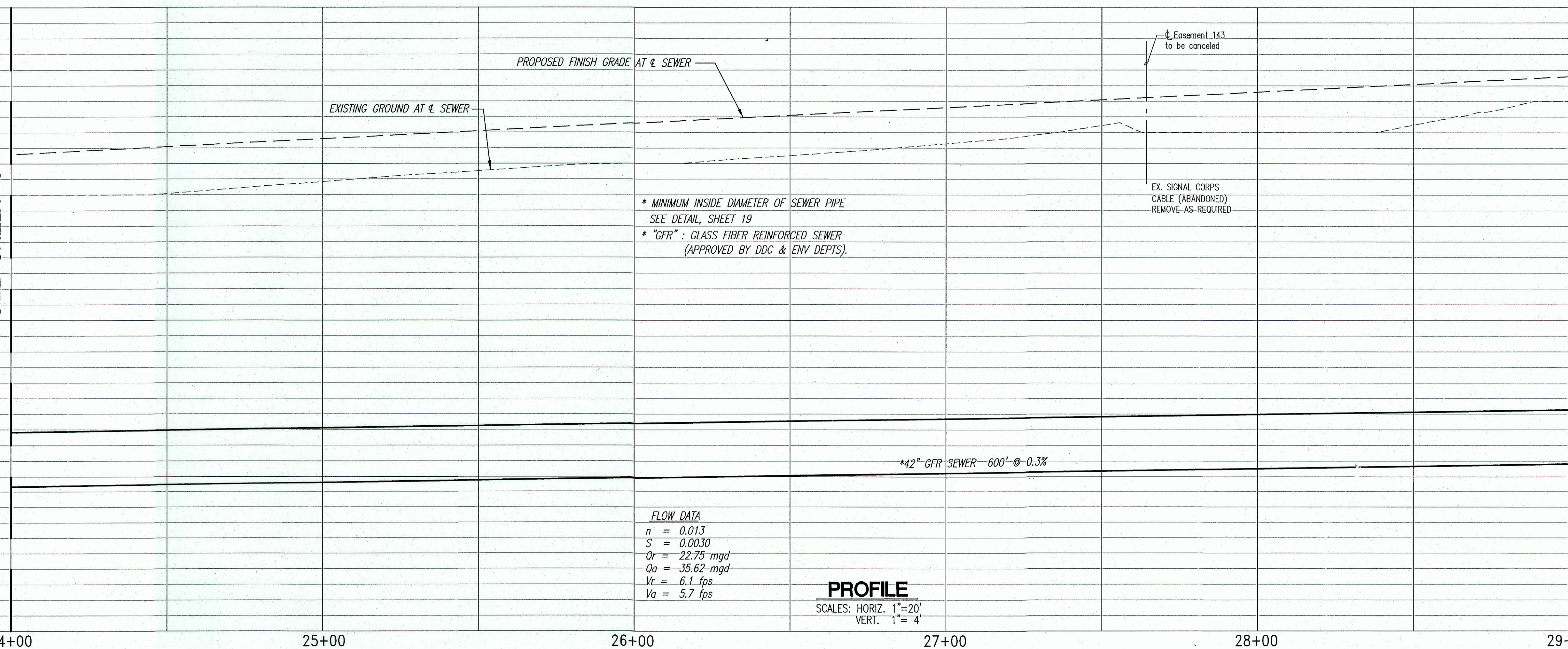
LEGEND

S42	NEW SEWER LINE
R/W	EXISTING NON POTABLE (R) WATERLINE
W16	EXISTING WATERLINE
S10	EXISTING SEWER LINE
D24	EXISTING DRAIN LINE
Eoh	EXISTING OVERHEAD ELECTRIC
x 50.63	EXISTING SPOT ELEVATION
EP OR PP	EXISTING ELECTRIC, POWER, OR TELEPHONE POLE

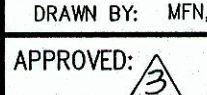


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MATCH LINE STA. 24+00
SEE SHEET 9



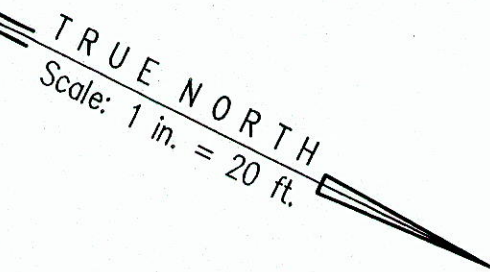
MATCH LINE STA. 29+00
SEE SHEET 11

5/11/07	APPV'D DWG.		
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
CP&E	Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1100 Alakea Street, Sixth Floor Honolulu, Hawaii		
EAST KAPOLEI OFFSITE TRUNK SEWER (DPP SUBD. FILE NO. 2006/SUB-308) HONOLULU, EWA, OAHU, HAWAII OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109 9-1-69 : Por. 1			
PLAN AND PROFILE STA. 24+00 TO 29+00			
DRAWN BY: MFW, LT	ENGINEER: SES	CHECKED BY: CMS	
APPROVED: 			
Dennis M. Nakamura CHIEF, WASTEWATER BRANCH, DPP			
4/9/07 DATE			

FUTURE DHHL EAST KAPOLEI I DEVELOPMENT

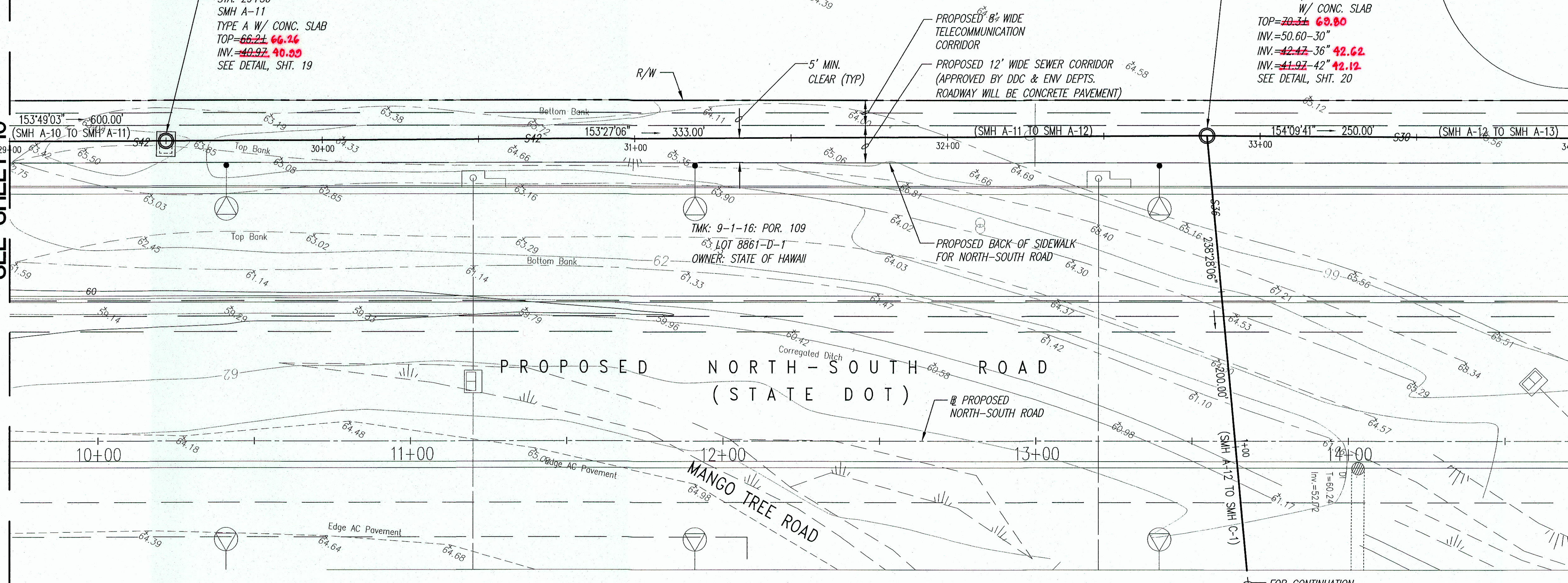
TMK: 9-1-16: POR. 108
LOT 8861-C-1-A
OWNER: STATE OF HAWAII

STA. 32+83
END SECTION "A-2"
BEGIN SECTION "A-3"
=0+00 SL "C"
BEGIN SECTION "C"
SMH A-12
TYPE B W/DROP CONNECTION
W/ CONC. SLAB
TOP=~~20.31~~ **63.80**
INV.=50.60-30"
INV.=~~42.47~~-36" **42.62**
INV.=~~41.92~~-42" **42.12**
SEE DETAIL, SHT. 20



MATCH LINE STA. 29+00
SEE SHEET 10

MATCH LINE STA. 34+00
SEE SHEET 12

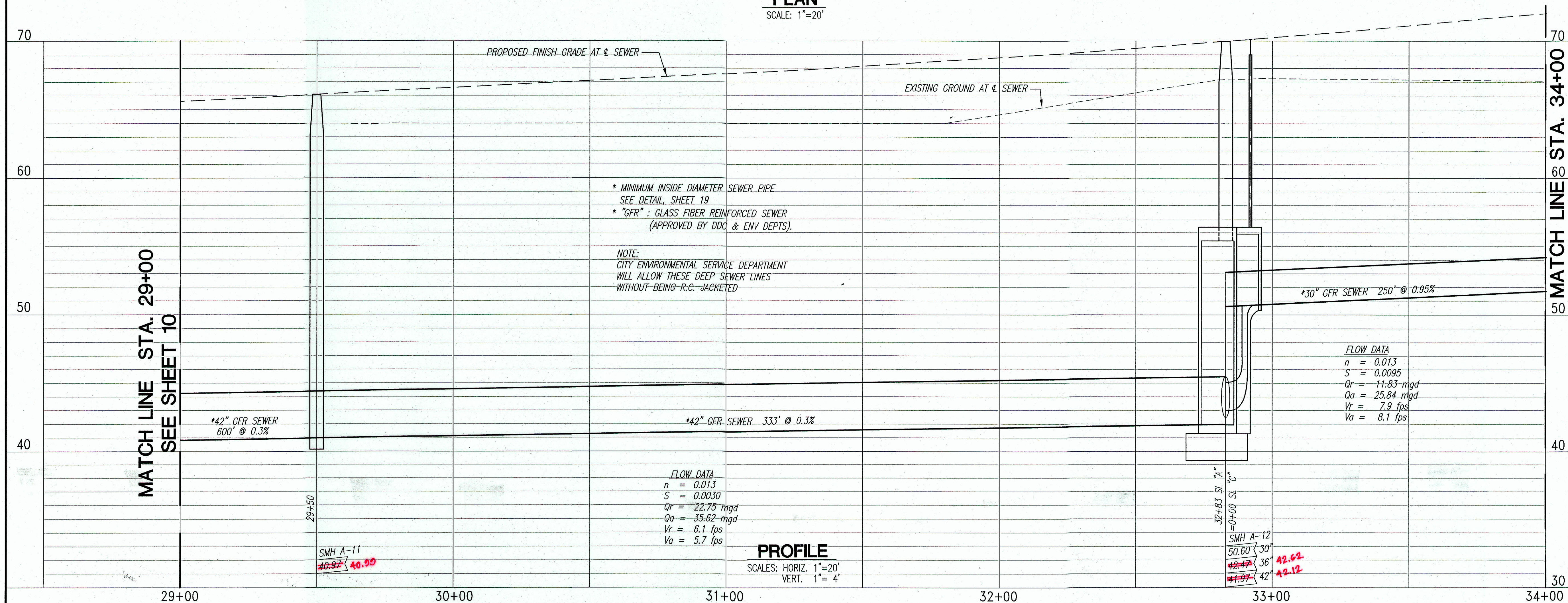


PLAN
SCALE: 1"=20'

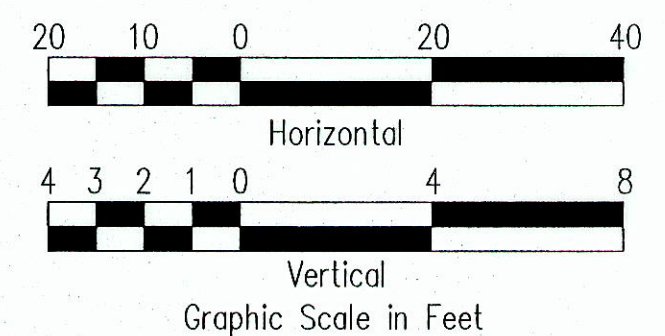
- LEGEND**
- S42 NEW SEWER LINE
 - R/W16 EXISTING NON POTABLE (RI) WATERLINE
 - W16 EXISTING WATERLINE
 - S10 EXISTING SEWER LINE
 - W04 EXISTING DRAIN LINE
 - E04 EXISTING OVERHEAD ELECTRIC
 - x 50.63 EXISTING SPOT ELEVATION
 - EP OR PP EXISTING ELECTRIC, POWER, OR TELEPHONE POLE

MATCH LINE STA. 29+00
SEE SHEET 10

MATCH LINE STA. 34+00
SEE SHEET 12



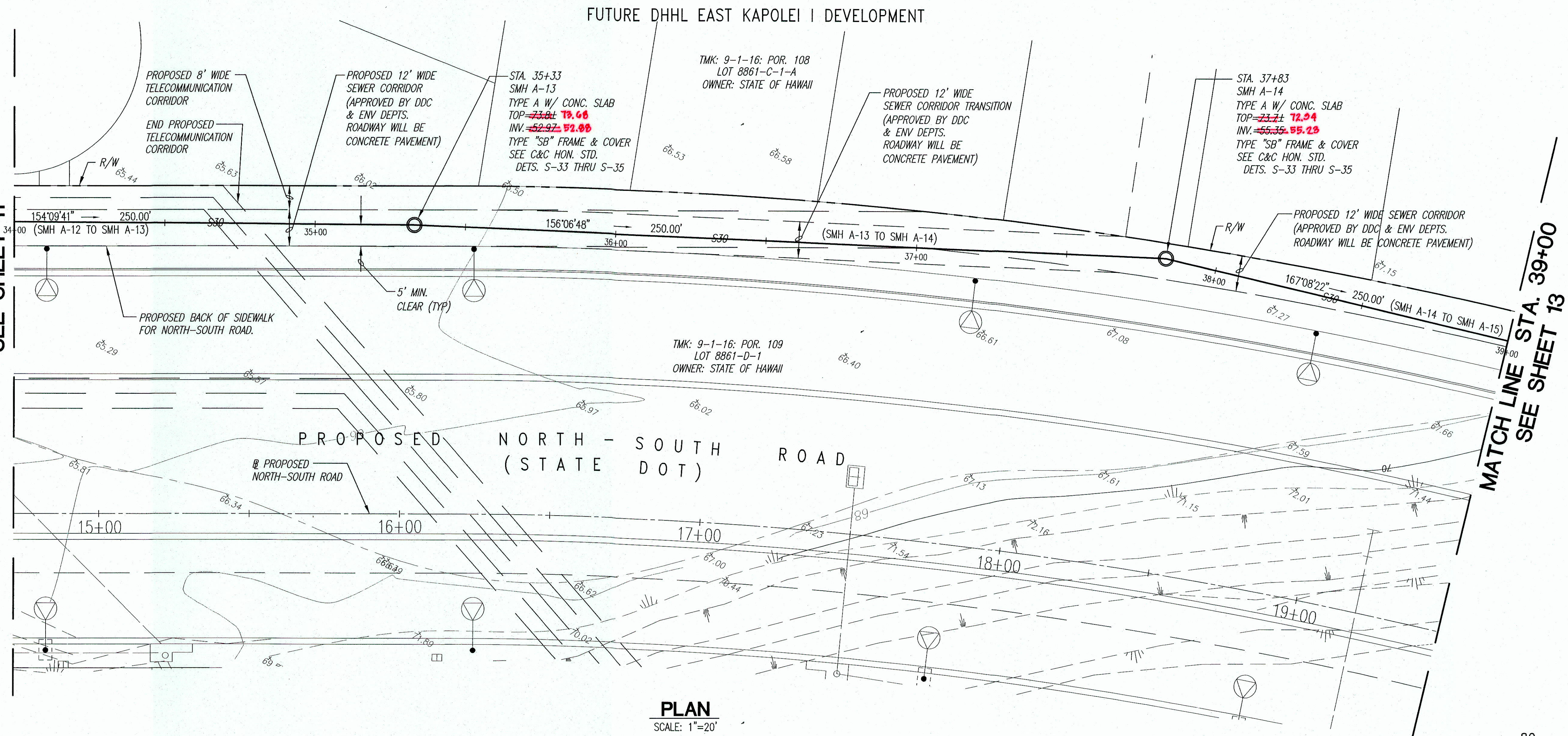
PROFILE
SCALES: HORIZ. 1"=20'
VERT. 1"=4'



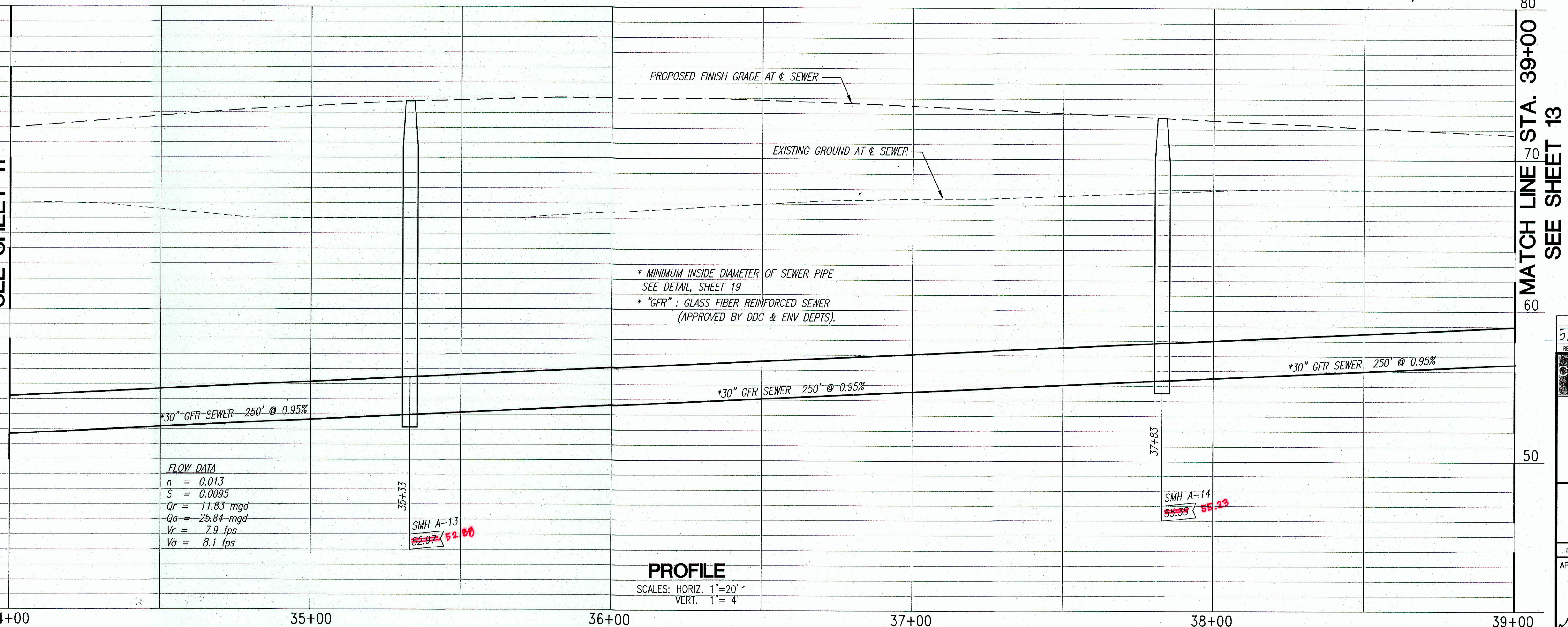
C. Michael Street
THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
CONSTRUCTION OF THIS PROJECT
WILL BE UNDER MY OBSERVATION.
LICENSE EXPIRATION DATE: 04/30/08

5/11/07	APPV. DWG.		
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1100 Alakea Street, 8th Floor Honolulu, Hawaii			
EAST KAPOLEI OFFSITE TRUNK SEWER (DPP SUBD. FILE NO. 2006/SUB-308) HONOLULU, EWA, OAHU, HAWAII OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109 9-1-69 : Por. 1			
PLAN AND PROFILE STA. 29+00 TO 34+00			
DRAWN BY: MFN, LT		ENGINEER: SES	CHECKED BY: CMS
APPROVED:			
<i>Dennis M. Neideman</i> CHIEF, WASTEWATER BRANCH, DPP		4/9/07 DATE	

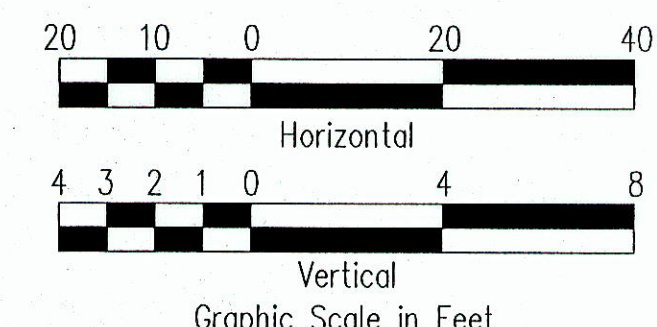
MATCH LINE STA. 34+00
SEE SHEET 11



MATCH LINE STA. 34+00
SEE SHEET 11

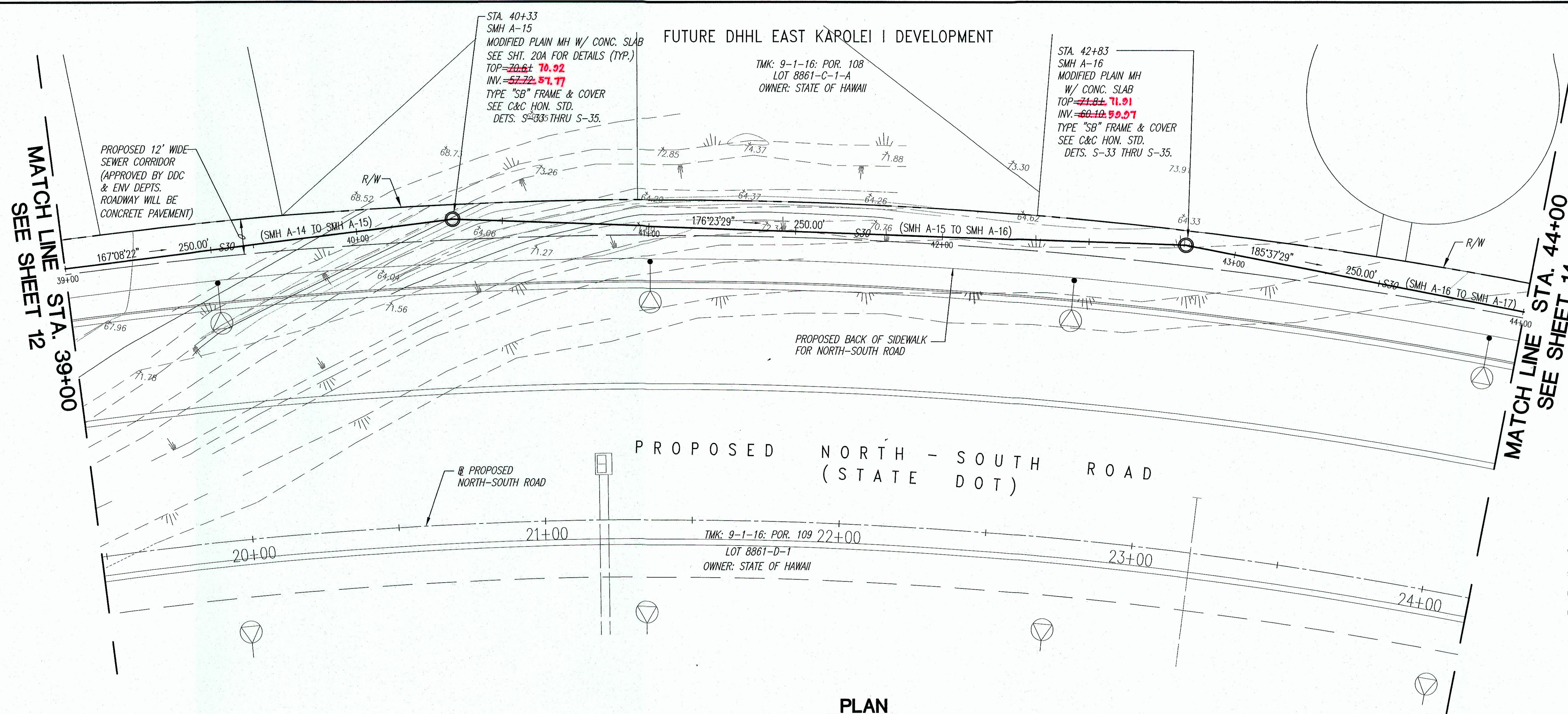


- LEGEND**
- S42 NEW SEWER LINE
 - R/W6 EXISTING NON POTABLE (R) WATERLINE
 - W6 EXISTING WATERLINE
 - S10 EXISTING SEWER LINE
 - D24 EXISTING DRAIN LINE
 - Eoh EXISTING OVERHEAD ELECTRIC
 - x 50.63 EXISTING SPOT ELEVATION
 - EP OR PP EXISTING ELECTRIC, POWER, OR TELEPHONE POLE

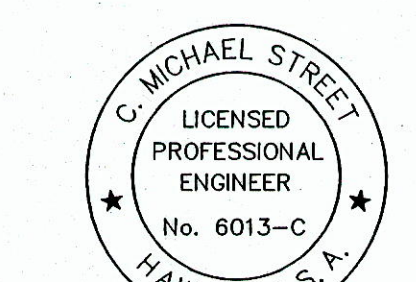
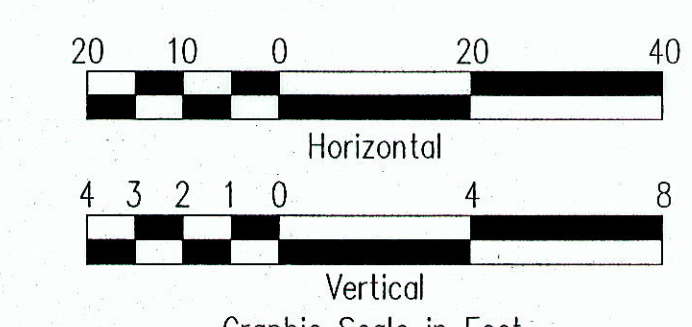


C. Michael Street
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/08

5/11/07	APPVD. DWG.		
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1100 Alakes Street, 8th Floor Honolulu, Hawaii			
EAST KAPOLEI OFFSITE TRUNK SEWER (DPP SUBD. FILE NO. 2006/SUB-308) HONOLULU, EWA, OAHU, HAWAII OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109 9-1-69 : Por. 1			
PLAN AND PROFILE STA. 34+00 TO 39+00			
DRAWN BY: MFL, LT	ENGINEER: SES	CHECKED BY: CMS	
APPROVED:			
Dennis M. Nielsen CHIEF, WASTEWATER BRANCH, D.P.F. WU			4/9/07 DATE



- LEGEND**
- S42 — NEW SEWER LINE
 - R/W — EXISTING NON POTABLE (RI) WATERLINE
 - W16 — EXISTING WATERLINE
 - S10 — EXISTING SEWER LINE
 - D24 — EXISTING DRAIN LINE
 - Eoh — EXISTING OVERHEAD ELECTRIC
 - x 50.63 — EXISTING SPOT ELEVATION
 - EP OR PP — EXISTING ELECTRIC, POWER, OR TELEPHONE POLE



C. Michael Street
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/08

MATCH LINE STA. 39+00 SEE SHEET 12

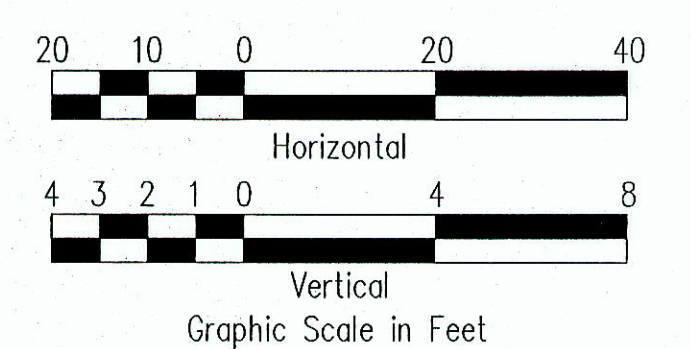
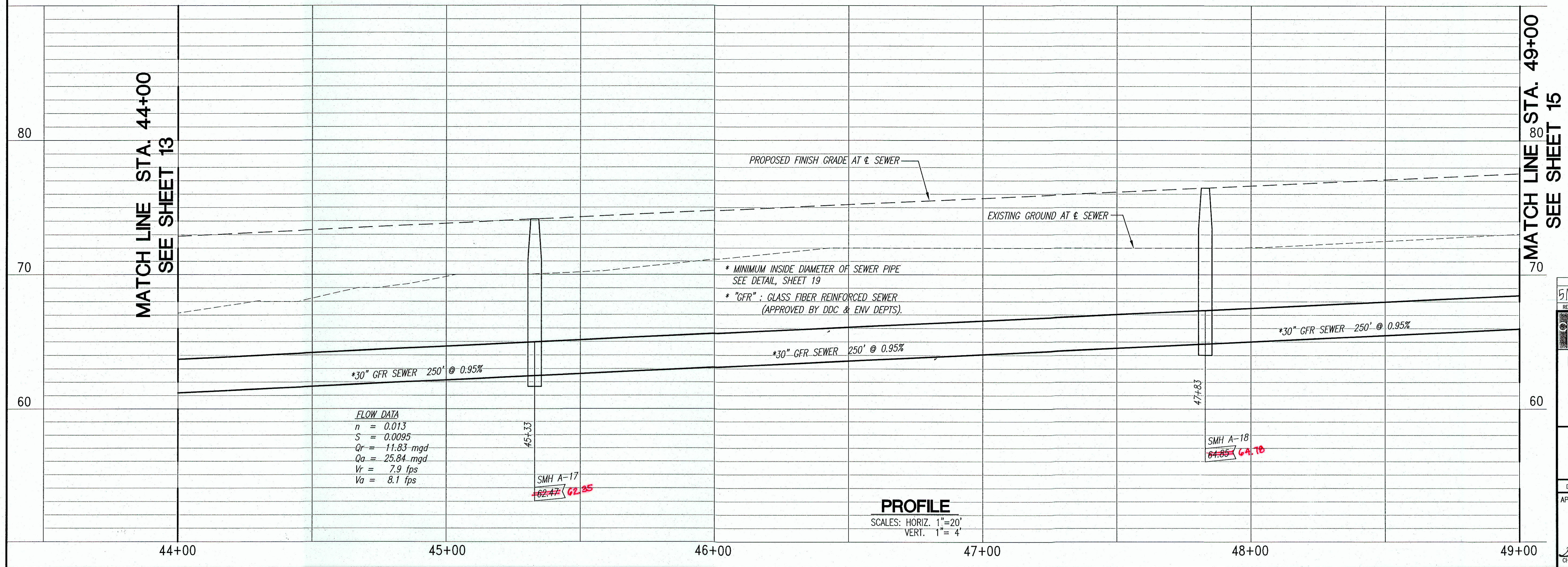
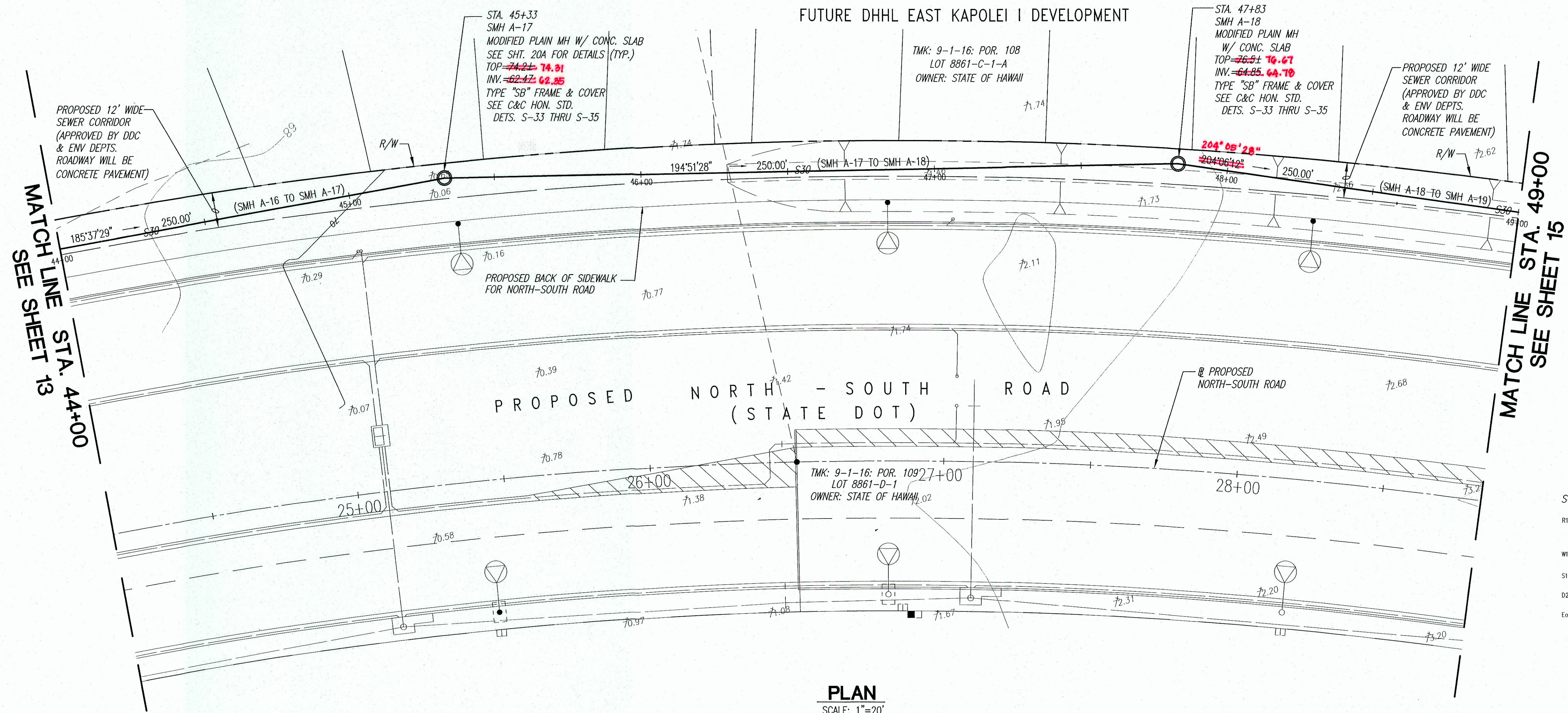
MATCH LINE STA. 44+00 SEE SHEET 14

FLOW DATA
n = 0.013
S = 0.0095
Qr = 11.83 mgd
Qa = 25.84 mgd
Vr = 7.9 fps
Va = 8.1 fps

* MINIMUM INSIDE DIAMETER OF SEWER PIPE
SEE DETAIL, SHEET 19
* "GFR" : GLASS FIBER REINFORCED SEWER
(APPROVED BY DDC & ENV DEPTS.)

PROFILE
SCALES: HORIZ. 1"=20'
VERT. 1"=4'

5/11/07	APPD. DWG.	DESCRIPTION	MADE BY	APPROVED
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1100 Alakea Street, Sixth Floor Honolulu, Hawaii				
EAST KAPOLEI OFFSITE TRUNK SEWER (DPP SUBD. FILE NO. 2006/SUB-308) HONOLULU, EWA, OAHU, HAWAII OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109 9-1-69 : Por. 1				
PLAN AND PROFILE STA. 39+00 TO 44+00				
DRAWN BY: MFN, LT	ENGINEER: SES	CHECKED BY: CMS	APPROVED:	
Dennis M. Niekman CHIEF, WASTEWATER BRANCH, DPP		4/9/07 DATE		



C. Michael Street

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/08

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
5/11/07	APPV'D DWG.		

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

EAST KAPOLEI OFFSITE TRUNK SEWER
(DPP SUBD. FILE NO. 2006/SUB-308)
HONOLULU, EWA, OAHU, HAWAII
OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS
TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109
9-1-69 : Por. 1

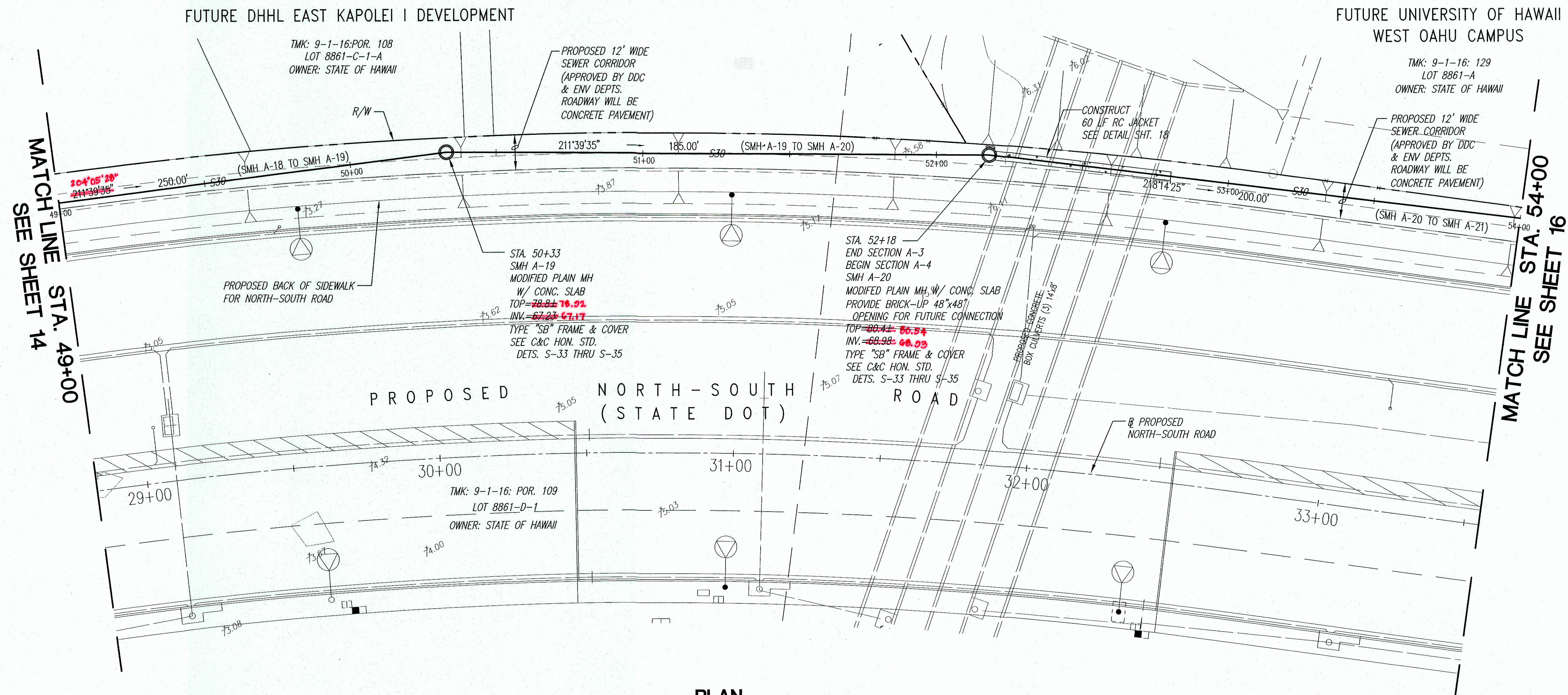
PLAN AND PROFILE
STA. 44+00 TO 49+00

DRAWN BY: MEN, LT ENGINEER: SES CHECKED BY: CMS

APPROVED: *[Signature]*

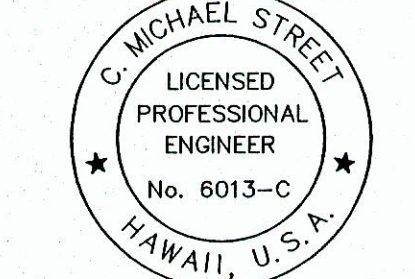
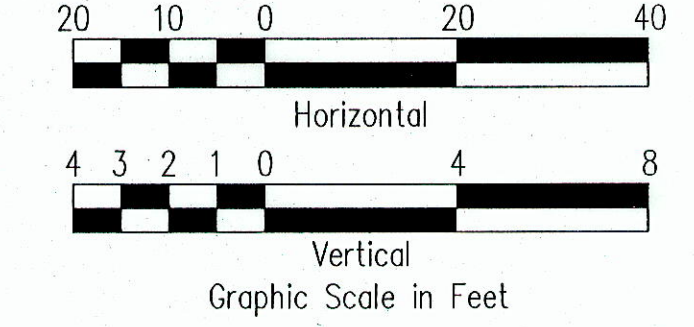
Dennis M. Nakimura
CHIEF, WASTEWATER BRANCH, D.P.P.

4/9/07
DATE

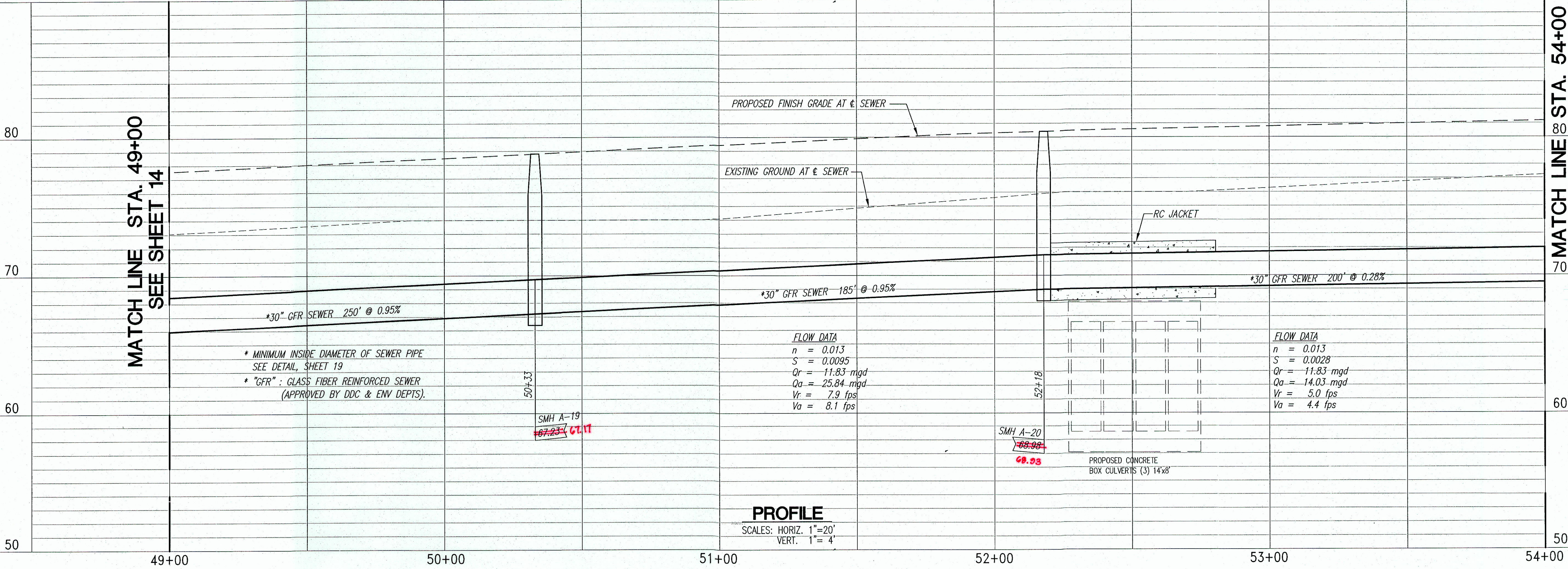


PLAN
SCALE: 1"=20'

- LEGEND**
- S42 — NEW SEWER LINE
 - RW16 — EXISTING NON POTABLE (RI) WATERLINE
 - W16 — EXISTING WATERLINE
 - S10 — EXISTING SEWER LINE
 - D24 — EXISTING DRAIN LINE
 - Eoh — EXISTING OVERHEAD ELECTRIC
 - x 50.63 — EXISTING SPOT ELEVATION
 - EP OR PP — EXISTING ELECTRIC, POWER, OR TELEPHONE POLE



C. Michael Street
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION. CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. LICENSE EXPIRATION DATE: 04/30/08

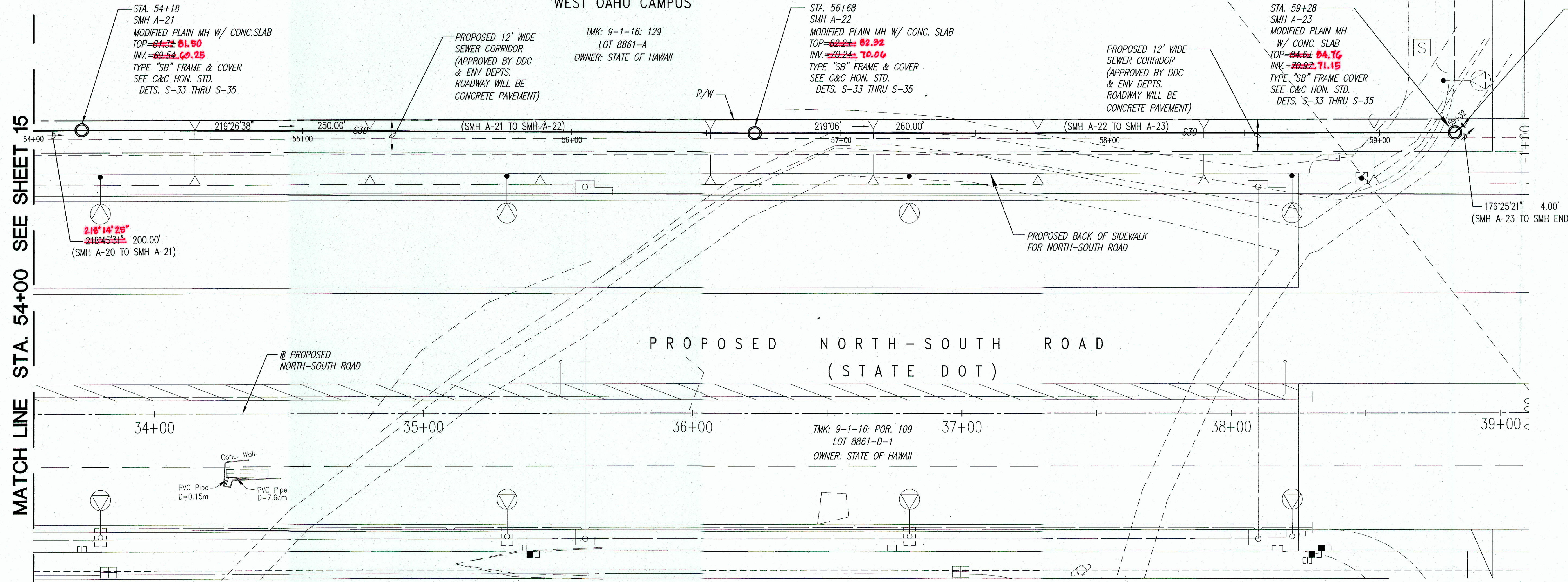


PROFILE
SCALES: HORIZ. 1"=20'
VERT. 1"=4'

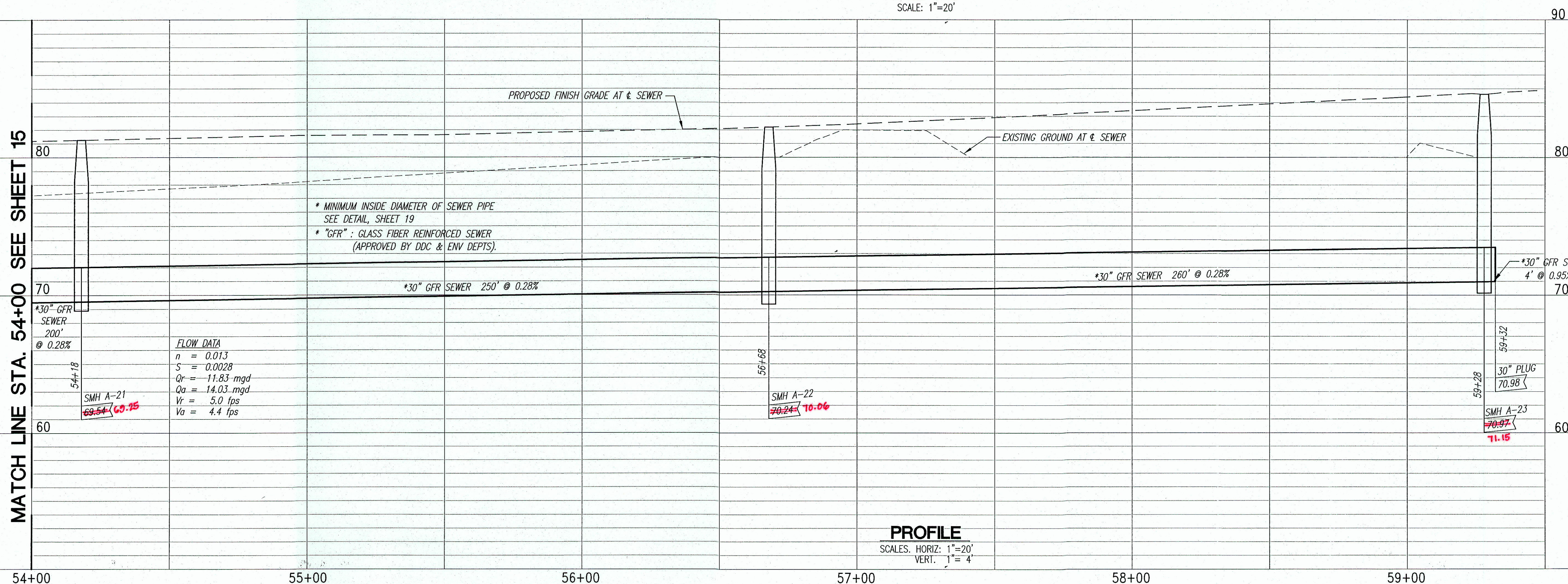
REVISION DATE	DESCRIPTION	MADE BY	APPROVED
5/11/07	APPVD. DWG.		
Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1100 Alakea Street, Sixth Floor Honolulu, Hawaii			
EAST KAPOLEI OFFSITE TRUNK SEWER (DPP SUBD. FILE NO. 2006/SUB-308) HONOLULU, EWA, OAHU, HAWAII OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109 9-1-69 : Por. 1			
PLAN AND PROFILE STA. 49+00 TO 54+00			
DRAWN BY: MFN, LT	ENGINEER: SES	CHECKED BY: CMS	
APPROVED:			
Dennis M. Meherum CHIEF, WASTEWATER BRANCH, D.P.P.			4/9/07 DATE

FUTURE UNIVERSITY OF HAWAII
WEST OAHU CAMPUS

TMK: 9-1-16: POR. 108
OWNER: STATE OF HAWAII (UHWOC)



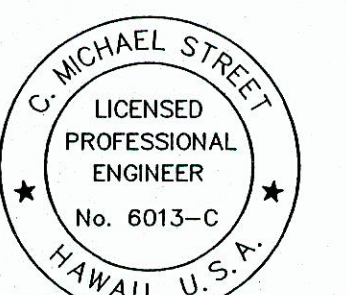
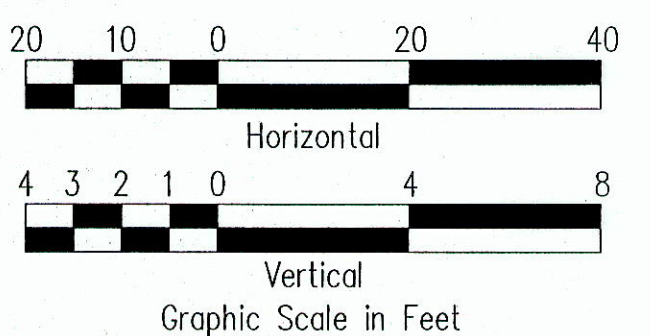
PLAN
SCALE: 1"=20'



PROFILE
SCALES: HORIZ: 1"=20'
VERT: 1"=4'

LEGEND

- S42 ——— NEW SEWER LINE
- R1W6 ——— EXISTING NON POTABLE (R1) WATERLINE
- W16 ——— EXISTING WATERLINE
- S10 ——— EXISTING SEWER LINE
- D24 ——— EXISTING DRAIN LINE
- Ech ——— EXISTING OVERHEAD ELECTRIC
- x 50.63 ——— EXISTING SPOT ELEVATION
- EP OR PP ——— EXISTING ELECTRIC, POWER, OR TELEPHONE POLE



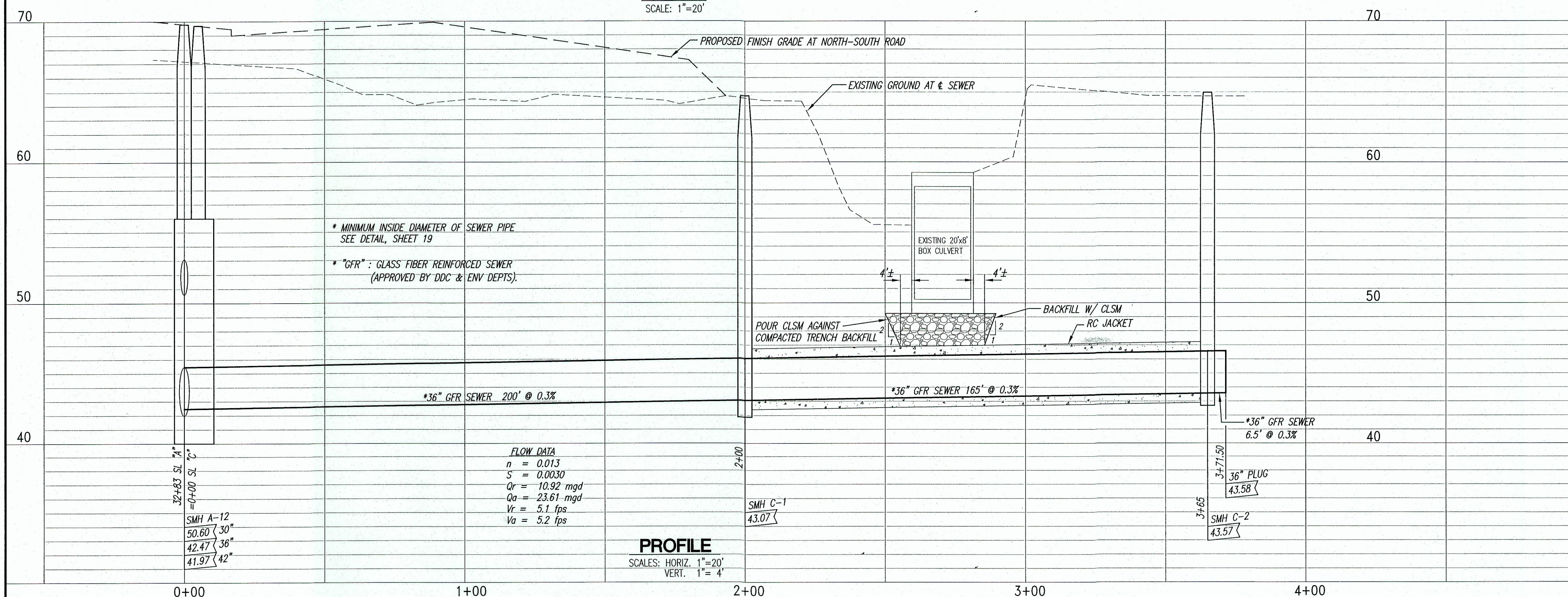
C. Michael Street
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Community Planning and Engineering, Inc. Engineering Design Construction Management Infrastructure Planning 1100 Alakea Street, 8th Floor Honolulu, Hawaii			
EAST KAPOLEI OFFSITE TRUNK SEWER (DPP SUBD. FILE NO. 2006/SUB-308) HONOLULU, EWA, OAHU, HAWAII OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS TAX MAP KEYS: 9-1-16 : Por. 27, 31, Por. 108, 109 9-1-69 : Por. 1			
PLAN AND PROFILE STA. 54+00 TO END			
DRAWN BY: MFN, LT	ENGINEER: SES	CHECKED BY: CMS	
APPROVED:			
Dennis M. Matheson CHIEF, WASTEWATER BRANCH, DPP			4/9/07 DATE

TMK: 9-1-16: POR. 108
LOT 8861-C-1-A
OWNER: STATE OF HAWAII

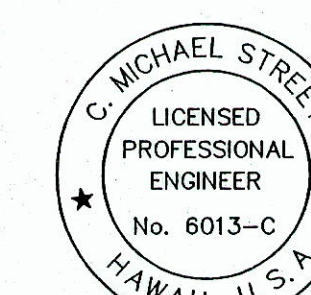
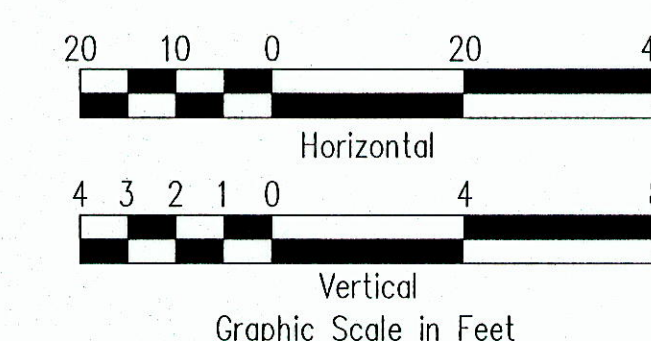
STA. 0+00 SL "C" _____
=STA. 32+83 SL "A"
SMH A-12
TYPE B W/ DROP CONNECTION
W/ CONC. SLAB
TOP=69.8±
INV.=50.60-30"
INV.=42.47-36"
INV.=41.97-42"
SEE DETAIL. SHT. 20

PLAN
SCALE: 1"=20'



LEGEND

S42	NEW SEWER LINE
RW16	EXISTING NON POTABLE (R) WATERLINE
W16	EXISTING WATERLINE
S10	EXISTING SEWER LINE
D24	EXISTING DRAIN LINE
Eoh	EXISTING OVERHEAD ELECTRIC
x 50.63	EXISTING SPOT ELEVATION
EP OR PP	EXISTING ELECTRIC, POWER, OR TELEPHONE POLE



C. Michael Stuebe
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LICENSE EXPIRATION DATE: 04/30/06

5/11/07	APP. APPVD. DWG.		
REVISION DATE	DESCRIPTION	MADE BY	APPROVED

Community Planning and Engineering, Inc.

Engineering Design | Construction Management | Infrastructure Planning

100 Alakea Street, Sixth Floor Honolulu, Hawaii

EAST KAPALEI OFFSITE TRUNK SEWER

(DPP SUBD. FILE NO. 2006/SUB-308)

HONOLULU, EWA, OAHU, HAWAII

OWNER & DEVELOPER: DEPARTMENT OF HAWAIIAN HOME LANDS

TAX MAP KEY: 9-1-16 : Por. 27, 31, Por. 108, 109
9-1-69 : Por. 1

PLAN AND PROFILE

36" SEWER LINE

DRAWN BY: MFL, LT	ENGINEER: SES	CHECKED BY: CMS
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APPROVED:

Dennis M. Nathan

CHIEF, WASTEWATER BRANCH, D.P.W.

4/9/07

DATE