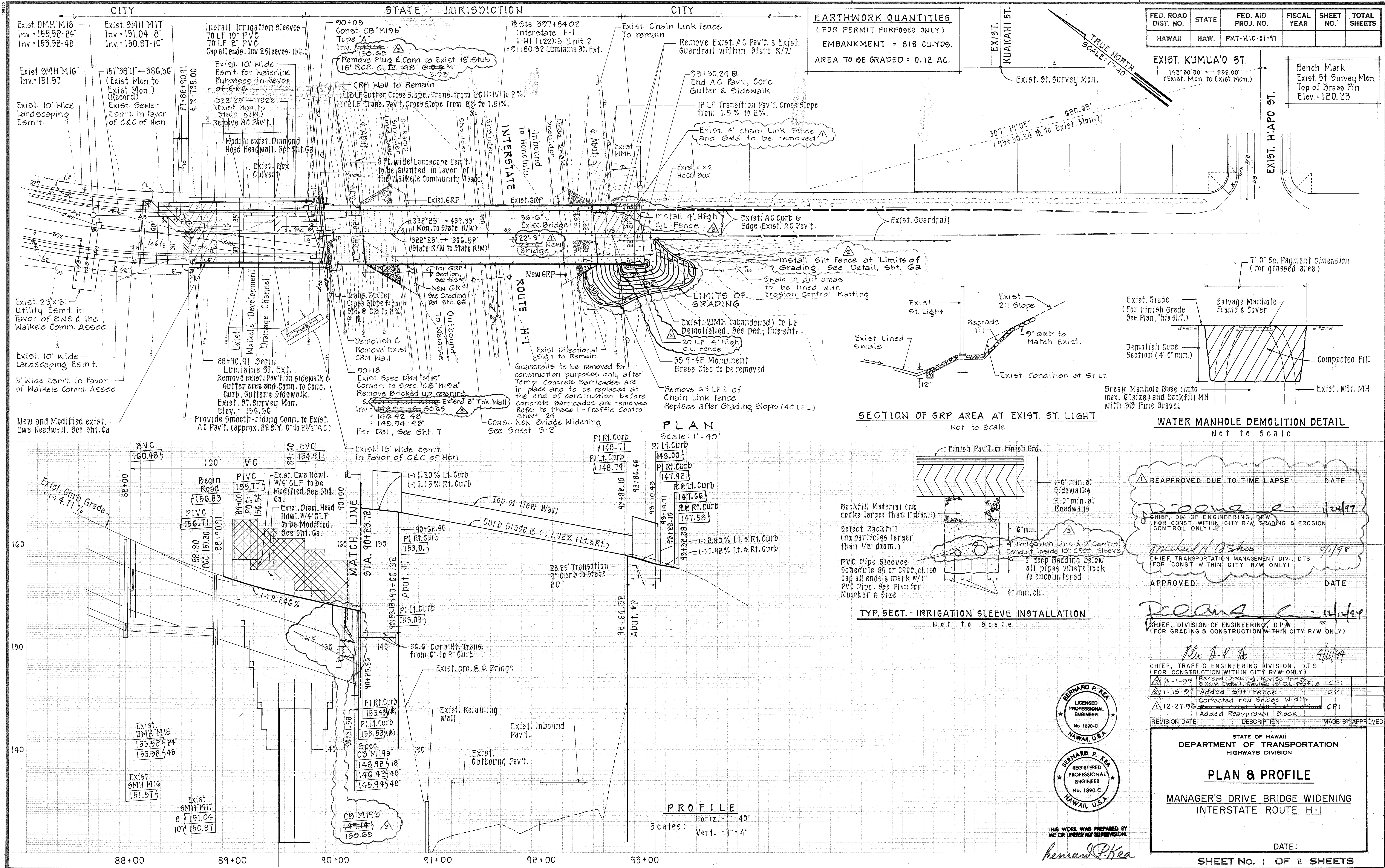


DATE	
SURVEY PLOTTED BY	
DESIGNED BY	
NOTED BY	
CHECKED BY	
NO.	

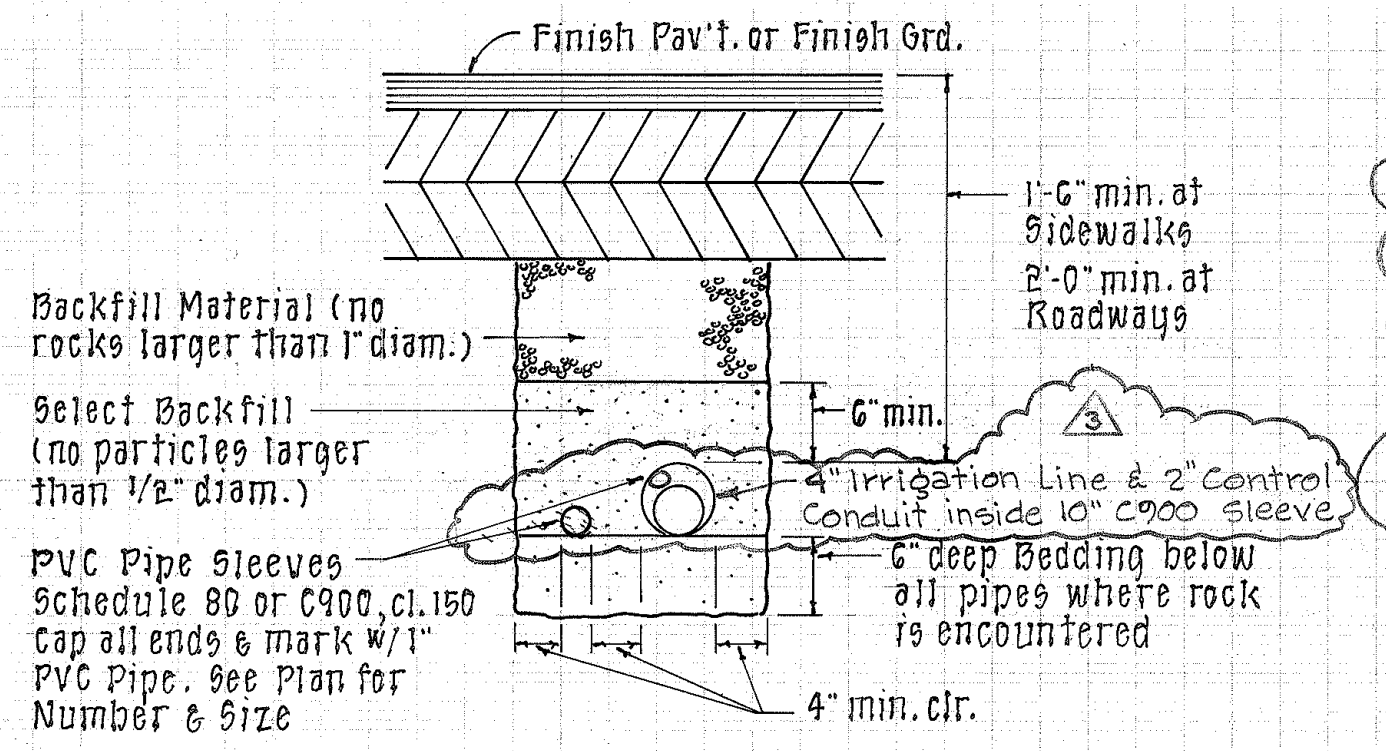


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	PMT-HIC-01-97			

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	PMT-HIC-01-97			

SECTION OF GRP AREA AT EXIST. ST. LIGHT
Not to Scale

WATER MANHOLE DEMOLITION DETAIL
Not to Scale



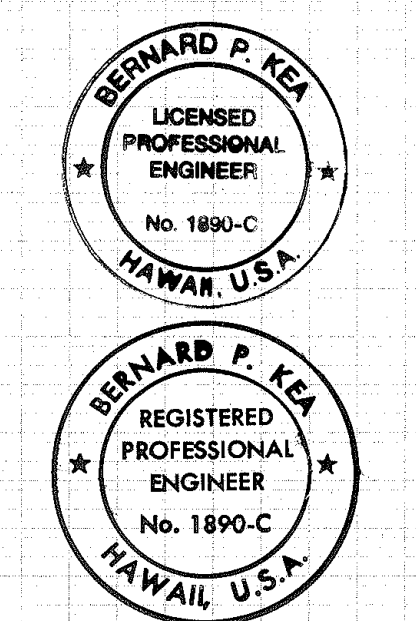
TYP. SECT. - IRRIGATION SLEEVE INSTALLATION
Not to Scale

REAPPROVED DUE TO TIME LAPSE: DATE 12/1/97
CHIEF, DIV. OF ENGINEERING, D.P.W.
(FOR CONST. WITHIN CITY R/W, GRADING & EROSION CONTROL ONLY)

Michael J. O'Shea 5/1/98
CHIEF, TRANSPORTATION MANAGEMENT DIV., DTS
(FOR CONST. WITHIN CITY R/W ONLY)

APPROVED: DATE 5/1/98
D. Ooms
CHIEF, DIVISION OF ENGINEERING, D.P.W.
(FOR GRADING & CONSTRUCTION WITHIN CITY R/W ONLY)

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
4-1-99	Record Drawing, Revise Irrig. Sleeve Detail, Revise 18" D.L. Profile	CPI	
1-15-97	Added Silt Fence	CPI	
12-27-96	Corrected new Bridge Width, Revise exist. Wall Instructions, Added Reapproval Block	CPI	



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN & PROFILE

MANAGER'S DRIVE BRIDGE WIDENING
INTERSTATE ROUTE H-1

DATE: _____

SHEET NO. 1 OF 2 SHEETS

89+00 to 90+10
Reconst. Exist. Diamond Head
Headwall. Provide new Conc. End
Post & Railing with Railpost.
See Dets. A/5-13 & B/5-13.

* Install 4 ft. high
Double Swing Gate

"Waialeale Drainage Channel"
See Detail C
5-16

Planting area to be maintained
by Waialeale Community Assoc.

Install new 4" Irrigation Line
& 2" Control Conduit
in 10" C900 PVC Sleeve

Footings for Exist. Walls

Exist. Diamond Head Wall
Exist. 4" Sch 40 PVC Direct
Bury Irrigation Line &
2" Control Conduit

1998
1997
See Detail C
5-16

City Jurisdiction
State
Jurisdiction

Exist. Irrigation Valve to remain

Exist.
Install 6 ft. high Swing Gate
(Relocate and Adjust to Finish Grade)

Exist. CRM Wall (Adjust Ht. See Det. F/5-13)

Exist. Wall (Ht. to be adjusted
Mauka and Makai
Sides of Bridge
See Det. E/5-13)

Exist. Pullbox to remain. See Sht. 39

Install new 4" Irrigation Line
through sleeve.

Demolish Exist.
Sidewalk, Curb
& Gutter (Mauka
and Makai Sides
of Bridge)

Install new 4" Irrigation Line
through sleeve.

Exist. pole to be removed.
See Sht. 39

Exist. Box
Culvert

CB "M19a"
See Sht. 6

Exist. 8" Sleeve 1/4" Irrigation Line &
2" Control Conduit to be removed

5" max. Ctr.
2 Sides (typ.)

Exist. Wall

Install 10 LF 6" High
Chain Link Fence

Connect Exist.
Wire Fence to
Gate Post

Exist. 6 ft. high
Swing Gate
(Relocate and Adjust
to Finish Grade)

"Lumiaina St."
See Detail C
5-16

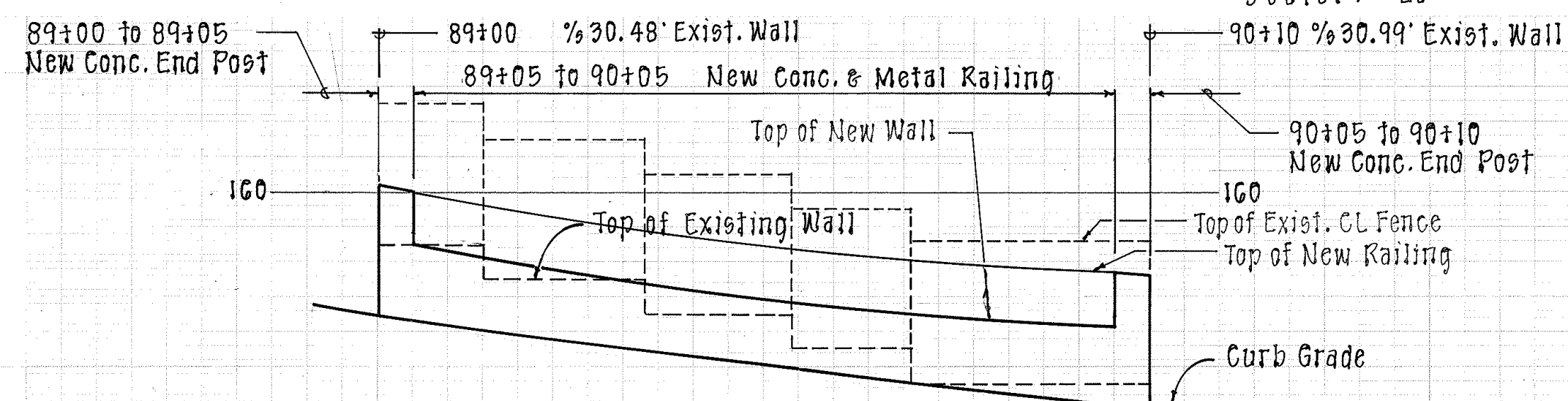
R-O-W
Line

Exist. Irrigation Valve to remain.

* Provide for Two Locks, all Gates.

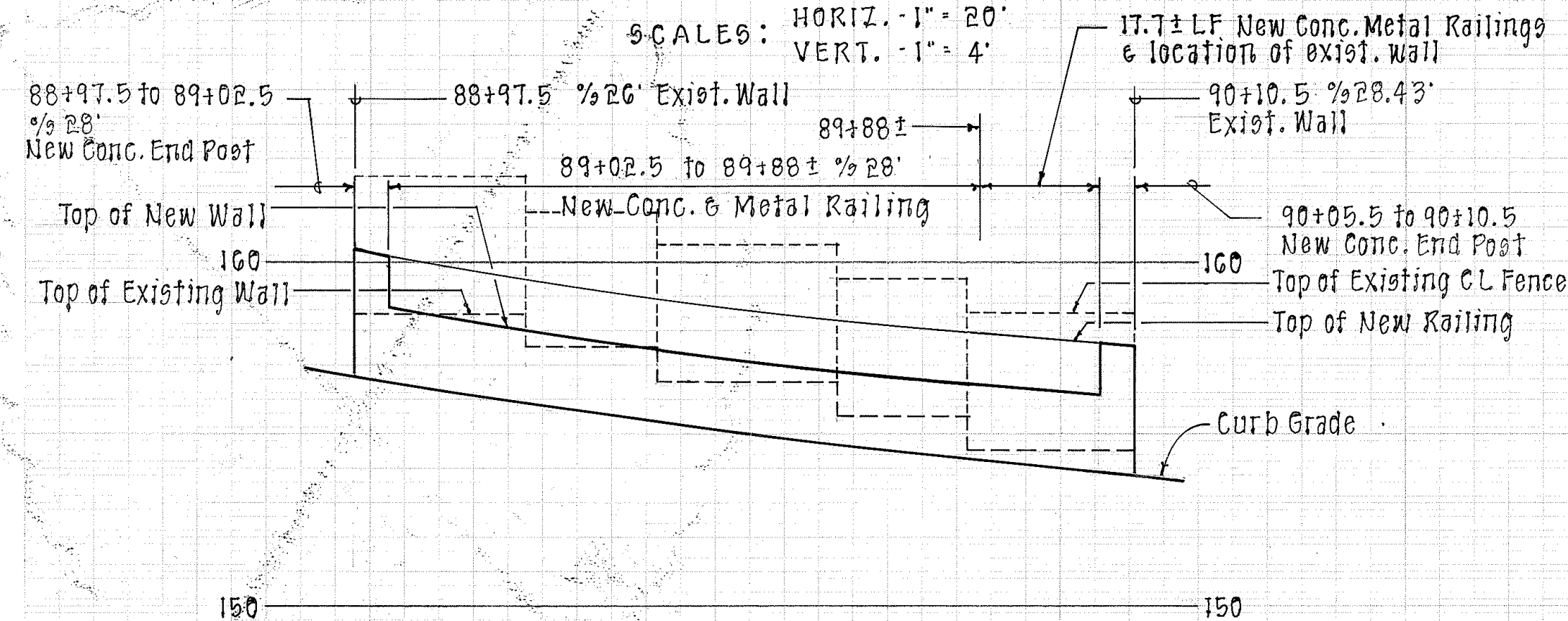
PLAN

Scale: 1" = 20'



PROFILE LEFT (DIAMOND HEAD HDWL.)

SCALE: HORIZ. - 1" = 20'
VERT. - 1" = 4'



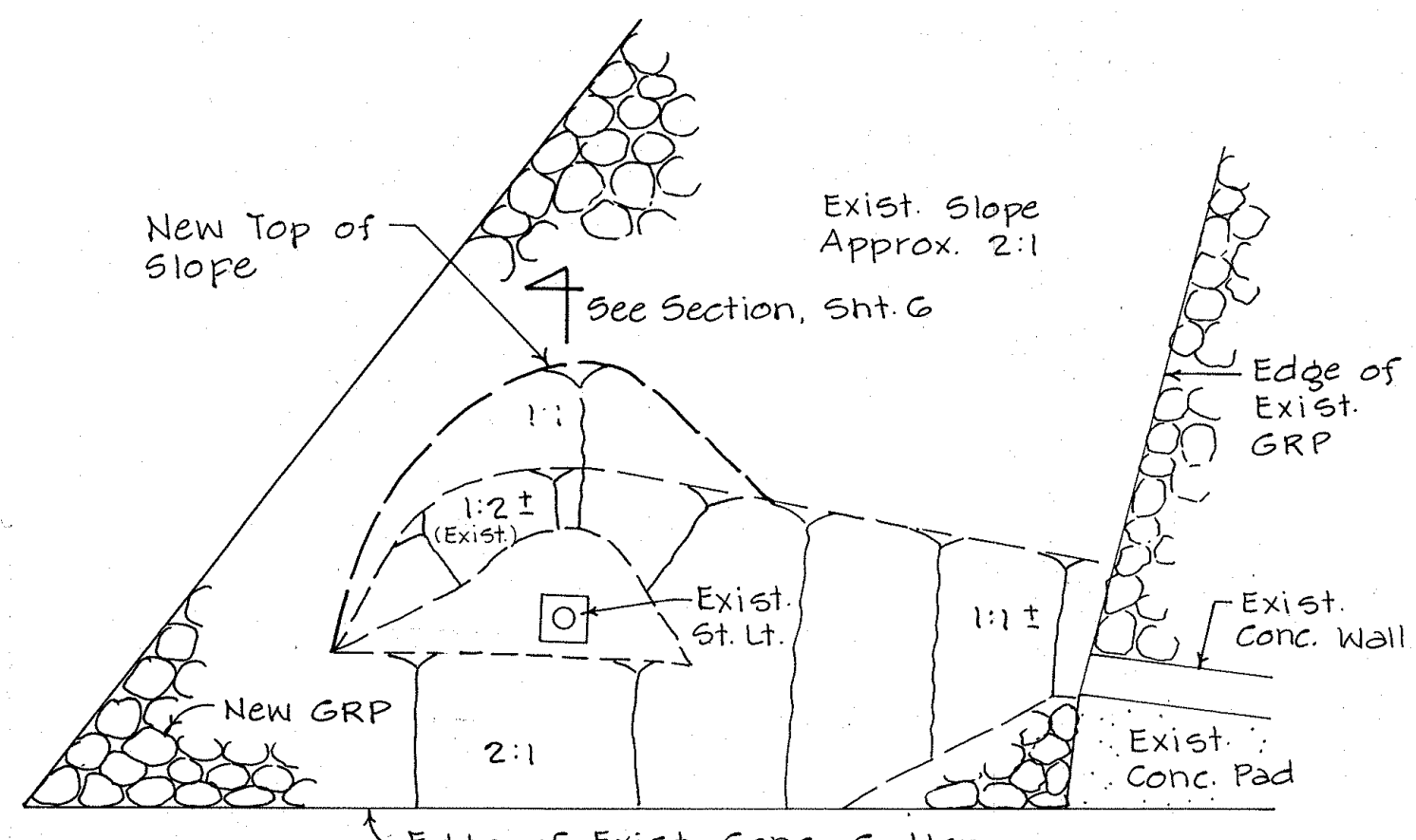
PROFILE RIGHT (EWA HDWL.)

SCALE: HORIZ. - 1" = 20'
VERT. - 1" = 4'



IRRIGATION SYSTEM NOTES

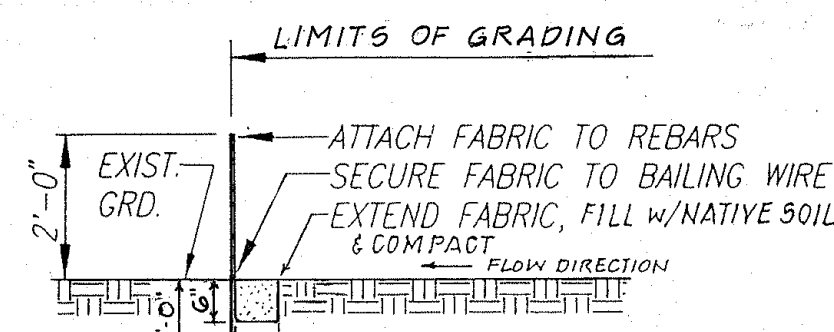
- 4" IRRIGATION LINE SHALL BE SCHEDULE 40 PVC. 2" CONTROL CONDUIT SHALL BE SCHEDULE 80 PVC.
- ALL BENDS AND TEES NEEDED TO INSTALL 4" IRRIGATION LINE SHALL HAVE CONCRETE REACTION BLOCKS. ALL BENDS NEEDED TO INSTALL 2" CONTROL CONDUIT SHALL BE SWEEP ELLS.
- INSTALLATION OF 2" CONTROL CONDUIT SHALL INCLUDE RELOCATION OR INSTALLATION OF NEW CONTROLLER WIRE WITH ALL APPROPRIATE CONNECTIONS.
- INSTALLATION OF 4" IRRIGATION LINE SHALL INCLUDE CONNECTIONS TO EXISTING LINES.
- EXISTING IRRIGATION IS NOT TO BE INOPERABLE FOR MORE THAN 48 CONTINUOUS HOURS.



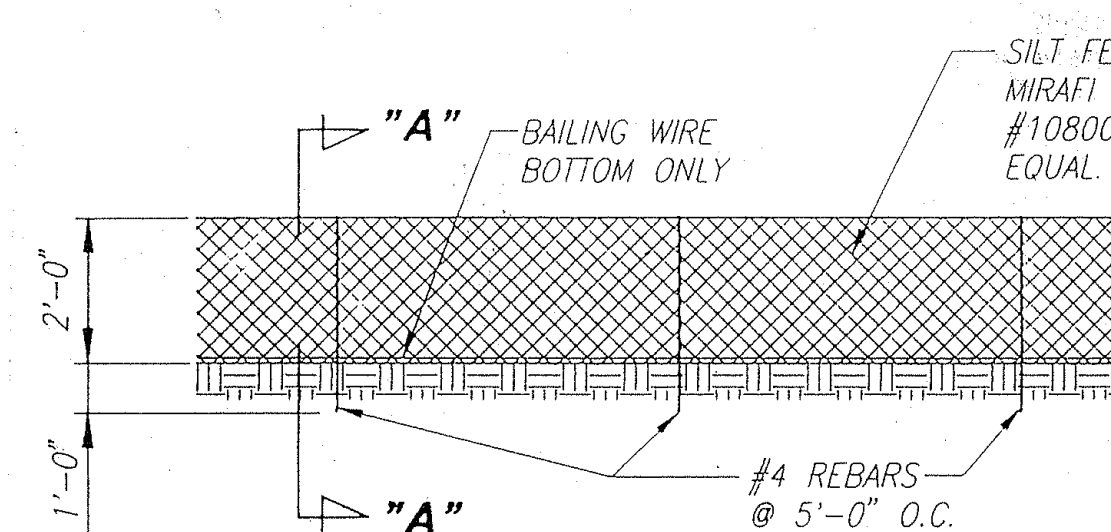
SKETCH OF GRADING AT NEW GRP

Not to Scale

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	PMT-H10-01-97			



SECTION "A-A"



ELEVATION

SILT FENCE DETAIL

NOT TO SCALE

REAPPROVED DUE TO TIME LAPSE: DATE

CHIEF, DIV. OF ENGINEERING, D.P.W.
(FOR CONST. WITHIN CITY R/W & EROSION CONTROL ONLY)

APPROVED: DATE

CHIEF, DIV. OF ENGINEERING, D.P.W.
(FOR CONST. WITHIN CITY R/W ONLY)

REVISION DATE	DESCRIPTION	MADE BY	APPROVED
4-1-99	Record Drawing, Revised Irrigation	CPI	
10-1-97	Added Irrigation Work & Notes	CPI	
1-15-97	Added Silt Fence Detail	CPI	
12-27-96	Added Reapproval Block	CPI	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLAN & PROFILE

MANAGER'S DRIVE BRIDGE WIDENING
INTERSTATE ROUTE H-1

DATE:

SHEET No. 2 OF 2 SHEETS