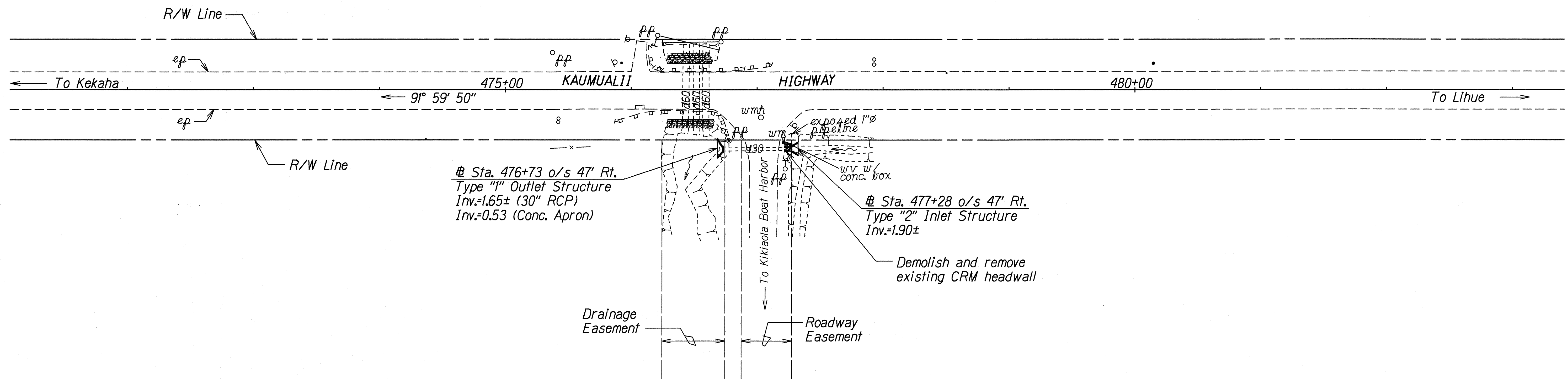


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-99	2000	4	11

TRUE NORTH
SCALE: 1" = 40'



Sta. 476+73 o/s 47' Rt.
Construct: Type "1" Outlet Structure
(For details see Sht. No. H5)
(For profile see Sht. No. H4)

Estimated Quantities
Type "1" Outlet Structure = 1 Ea.
Borrow Excavation = 6 C.Y.
Structure Excavation
for Drainage Systems = 8 C.Y.

Sta. 477+28 o/s 47' Rt.
Construct: Type "2" Inlet Structure
(For details see Sht. No. H6)
Install: Post Mounted Type II Object Marker,
Flexible Delineator Post
(For detail see Std. Plan TE-17)

Estimated Quantities
Type "2" Inlet Structure = 1 Ea.
Borrow Excavation = 18 C.Y.
Structure Excavation
for Drainage Systems = 2 C.Y.
Type II Object Marker = 2 Ea.

ORIGINAL PLAN	DATE
SURVEY PLANNED BY	8/25/99
DRAWN BY	A. Nomura
DESIGNED BY	H. Kawahara
CHECKED BY	8/25/99
NOTED BY	8/25/99

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN

KAUMUALII HWY. DRAINAGE IMPROVEMENTS
Vicinity of Kikiaola Boat Harbor
Project No. 50B-01-99
Scale: 1"=40' Date: Aug. 1999
SHEET No. *HI* OF 8 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50B-01-99	2000	6	11

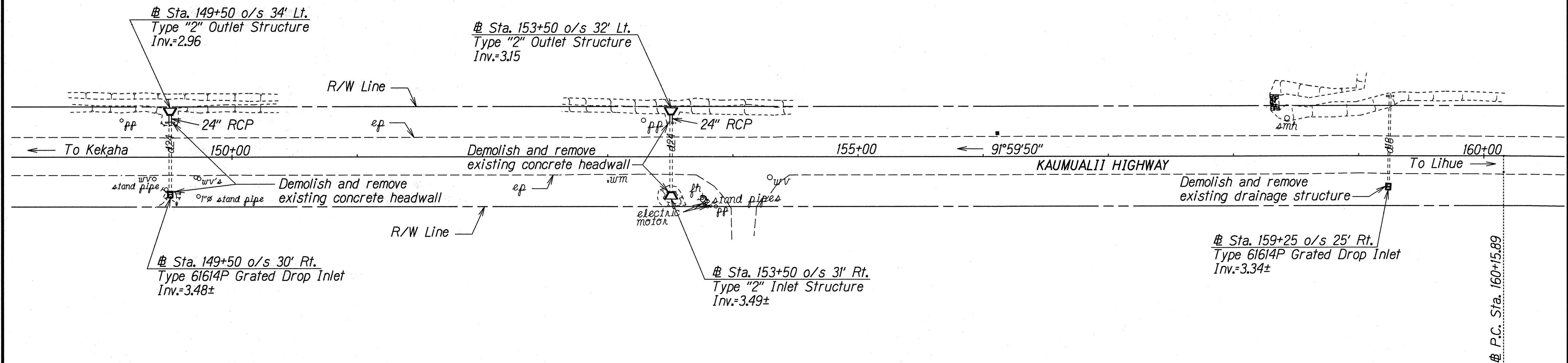
Sta. 149+50 o/s 34' Lt.
Construct: Type "2" Outlet Structure
(For details see Sht. No. H6)
Install: 24" RCP
(For profile see Sht. No. H4)

Estimated Quantities
Type "2" Outlet Structure = 1 Ea.
24" RCP, Class III = 6 L.F.
Borrow Excavation = 8 C.Y.
Concrete Collar = 1 Ea.
Bedcourse Material = 1 C.Y.

Sta. 153+50 o/s 32' Lt.
Construct: Type "2" Outlet Structure
Install: 24" RCP
(For profile see Sht. No. H4)

Estimated Quantities
Type "2" Outlet Structure = 1 Ea.
24" RCP, Class III = 5 L.F.
Borrow Excavation = 5 C.Y.
Concrete Collar = 1 Ea.
Bedcourse Material = 1 C.Y.

TRUE NORTH
SCALE: 1" = 40'



Sta. 149+50 o/s 30' Rt.
Construct: Type 61614P Grated Drop Inlet
(For details see Sht. No. H7 & H8)

Estimated Quantities
Type 61614P Grated Drop Inlet 3.00 ft. to 3.99 ft. = 1 Ea.
Borrow Excavation = 9 C.Y.

Sta. 153+50 o/s 31' Rt.
Construct: Type "2" Inlet Structure
(For details see Sht. No. H6)
Install: Post Mounted Type II Object Marker, Flexible Delineator Post
(For detail see Std. Plan TE-17)

Estimated Quantities
Type "2" Outlet Structure = 1 Ea.
Borrow Excavation = 2 C.Y.
Type II Object Marker = 2 Ea.

Sta. 159+25 o/s 25' Rt.
Construct: Type 61614P Grated Drop Inlet
(For details see Sht. No. H7 & H8)

Estimated Quantities
Type 61614P Grated Drop Inlet 2.00 ft. to 2.99 ft. = 1 Ea.

SURVEY PLOTTED BY	DATE
DRAWN BY	8/25/99
DESIGNED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE PLAN
KAUMUALII HWY. DRAINAGE IMPROVEMENTS
Vicinity of Kikiaola Boat Harbor
Project No. 50B-01-99
Scale: 1"=40' Date: Aug. 1999

SHEET No. H3 OF 8 SHEETS