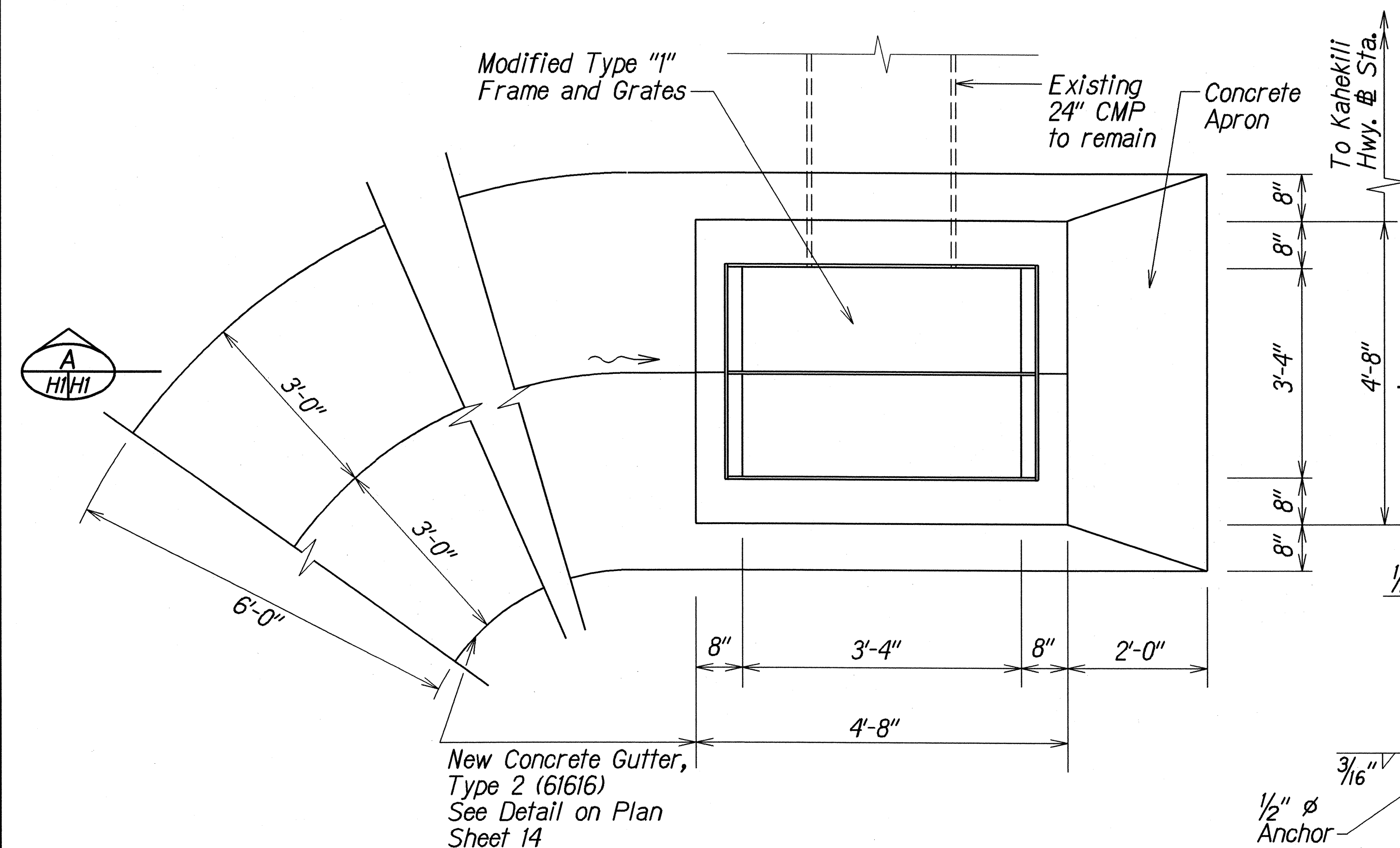
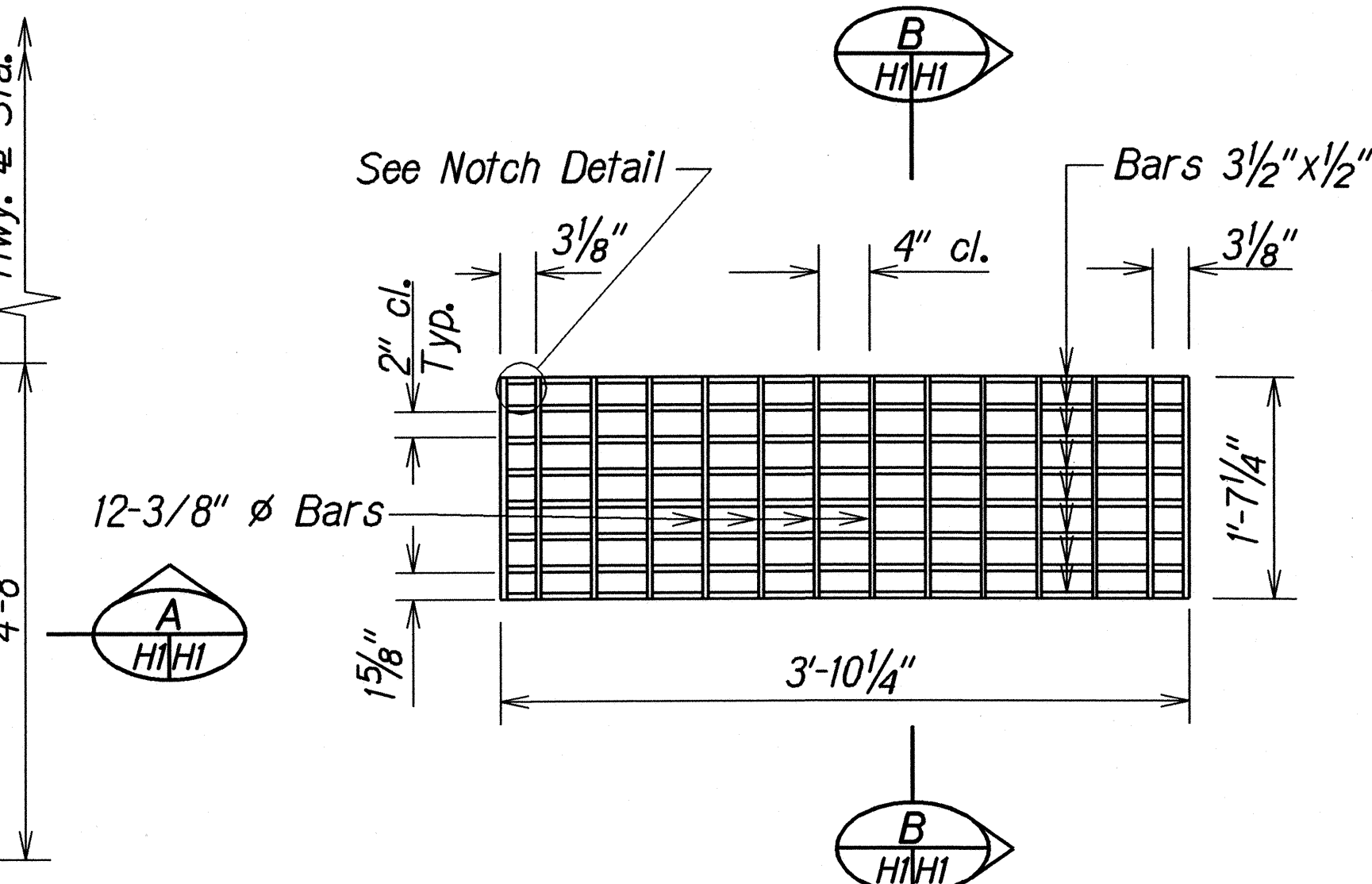


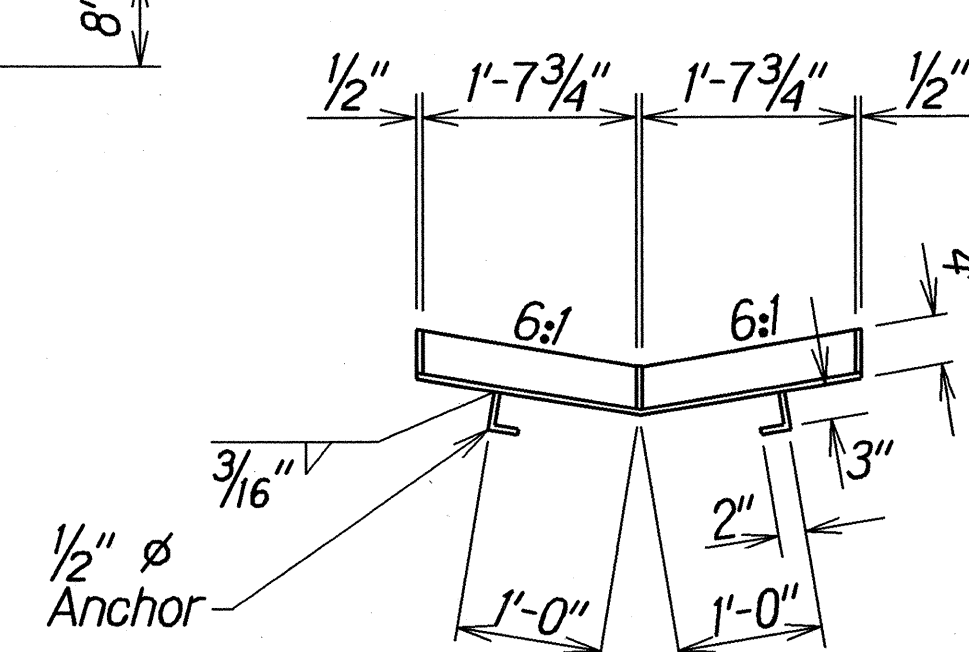
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0900(60)	2002	13	33



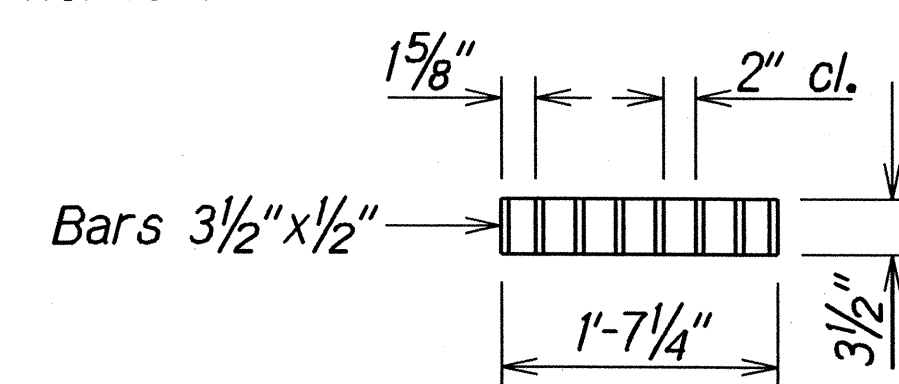
PLAN
Not to Scale



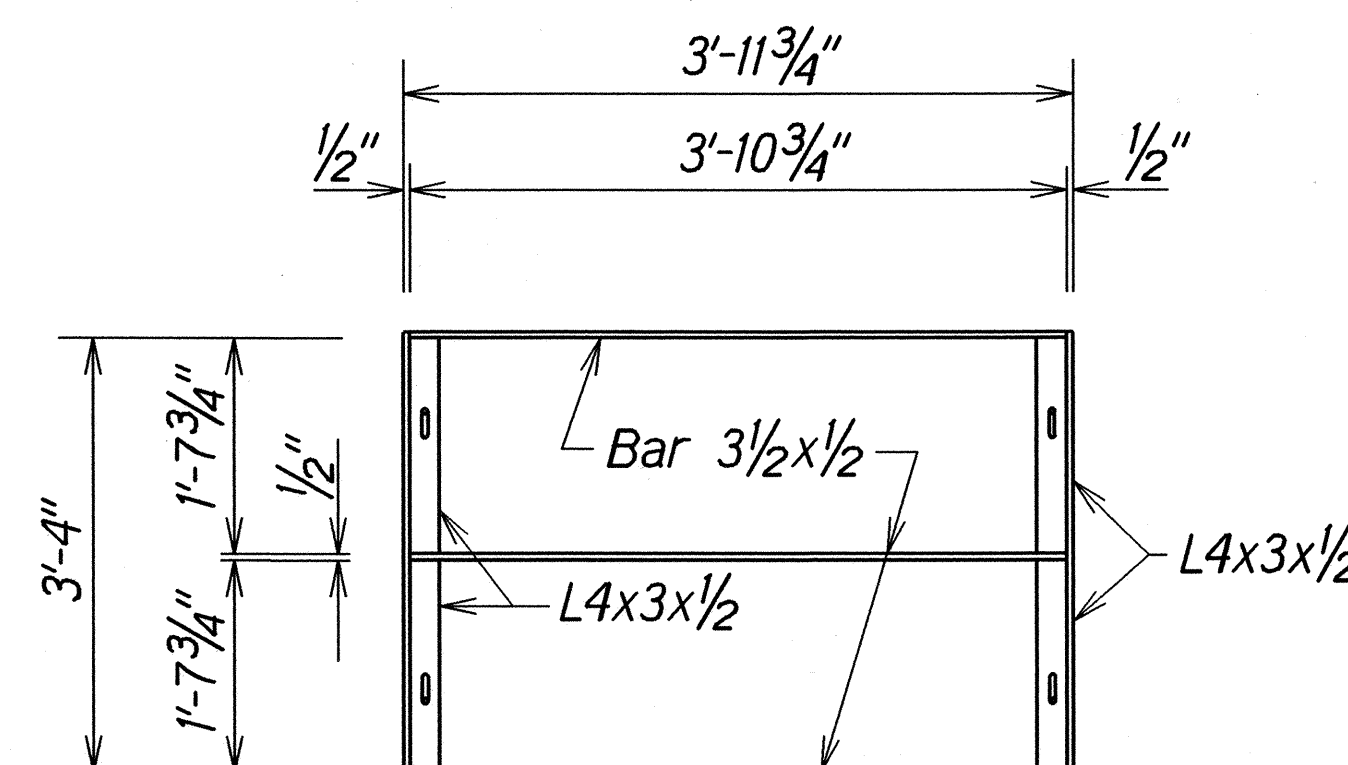
PLAN - GRATE
Not to Scale



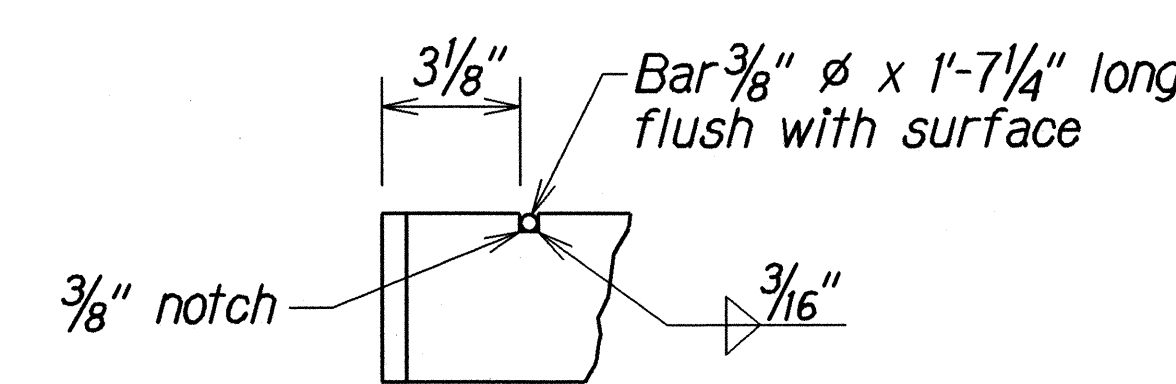
SECTION - FRAME
Not to Scale



SECTION
Not to Scale

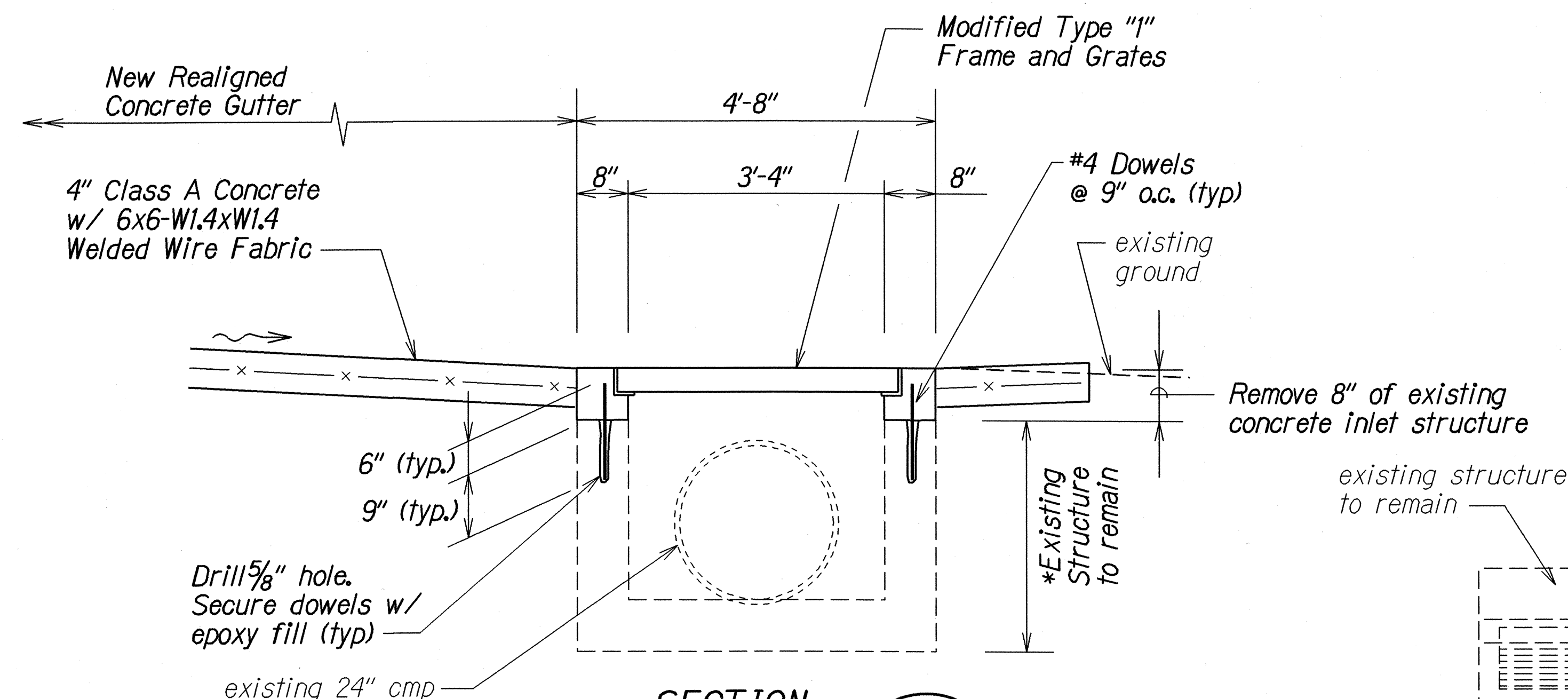


PLAN - FRAME
Not to Scale



NOTCH DETAIL
Not to Scale

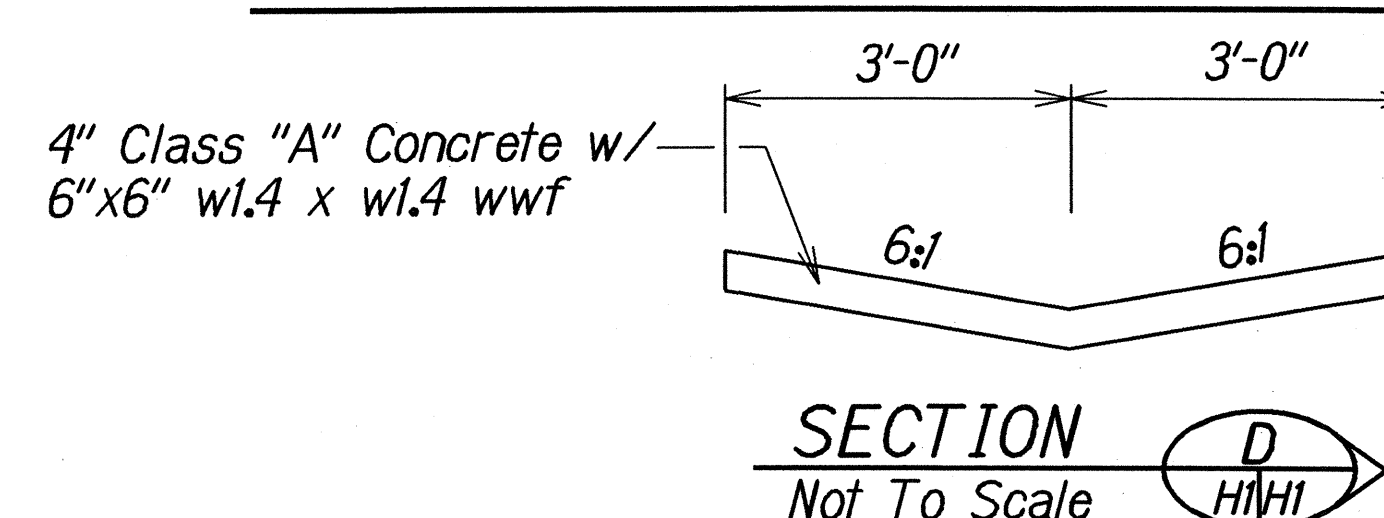
DETAILS OF MODIFIED TYPE "I" FRAME & GRATES



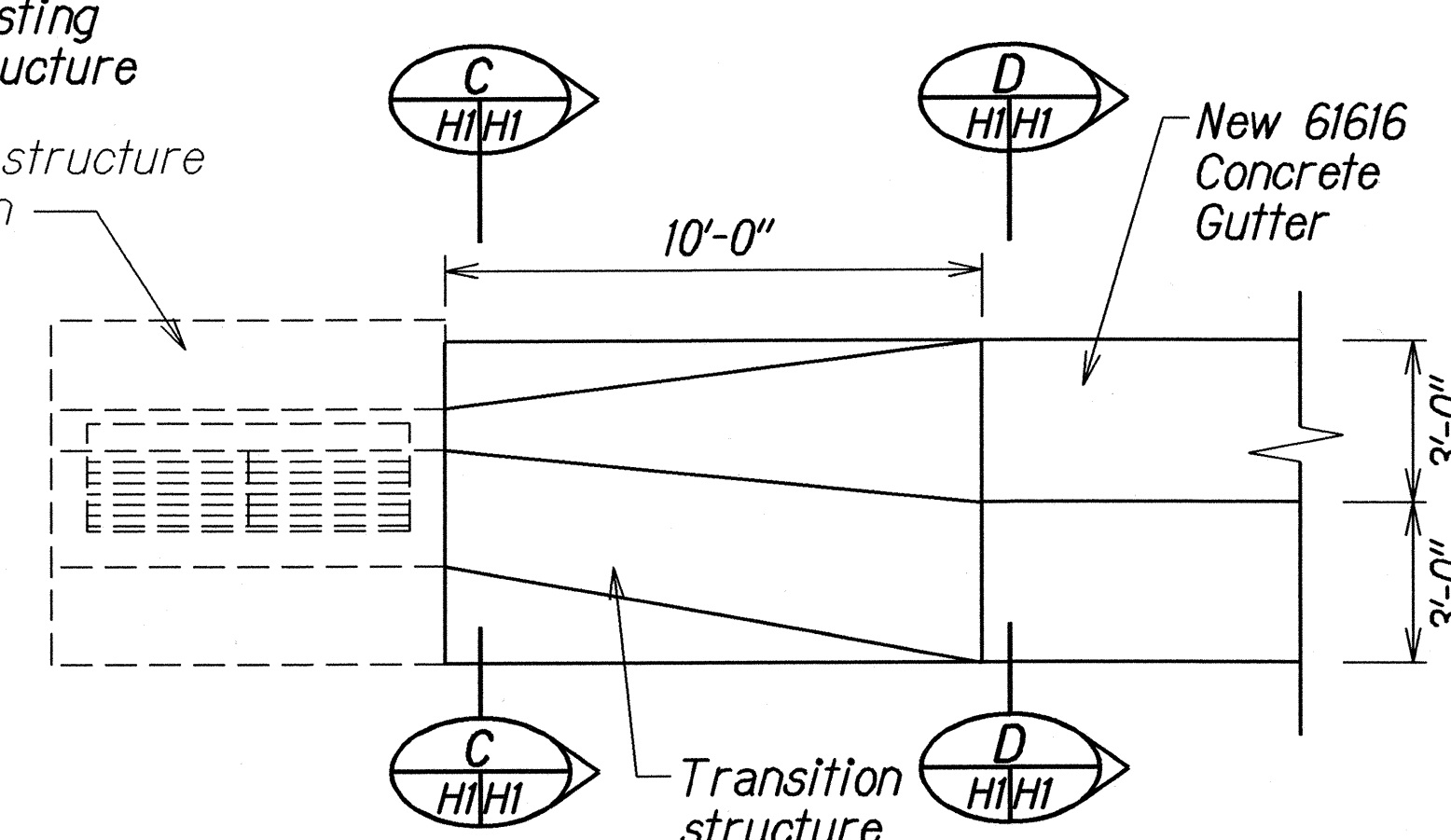
SECTION
Scale: 3/4"=1'-0"

* Measurements shown may differ from actual existing dimension. Contractor shall match existing structure.

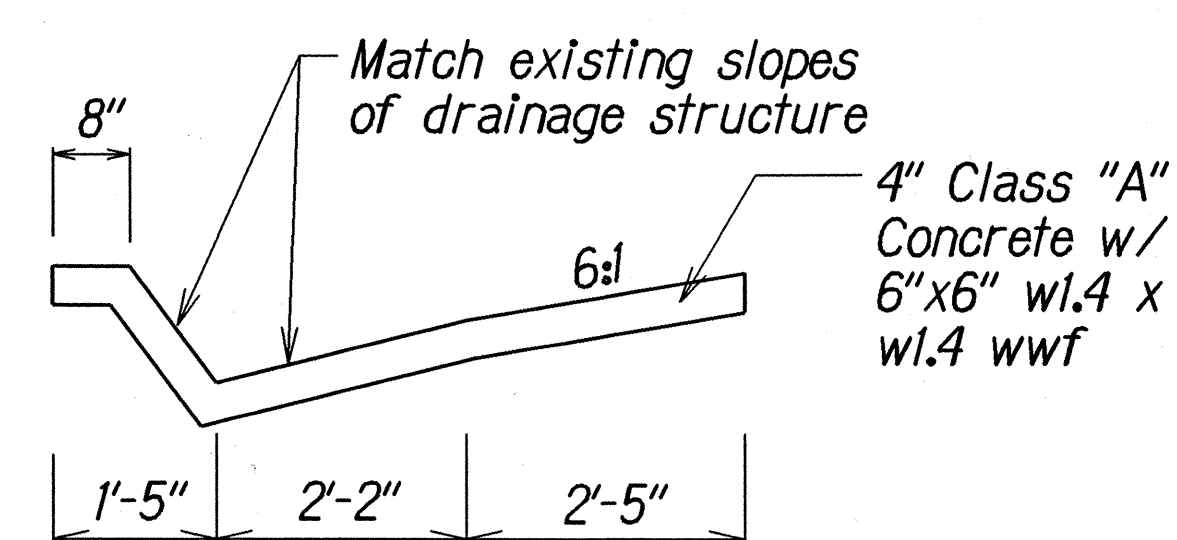
DETAILS OF MODIFIED TYPE "I" INLET STRUCTURE @ STA. 11+65 RT.



SECTION
Not To Scale



DETAILS OF TRANSITION STRUCTURE AT @ STA. 7+50± LT. KAHEKILI HWY.



SECTION
Not To Scale

PLAN
Not To Scale

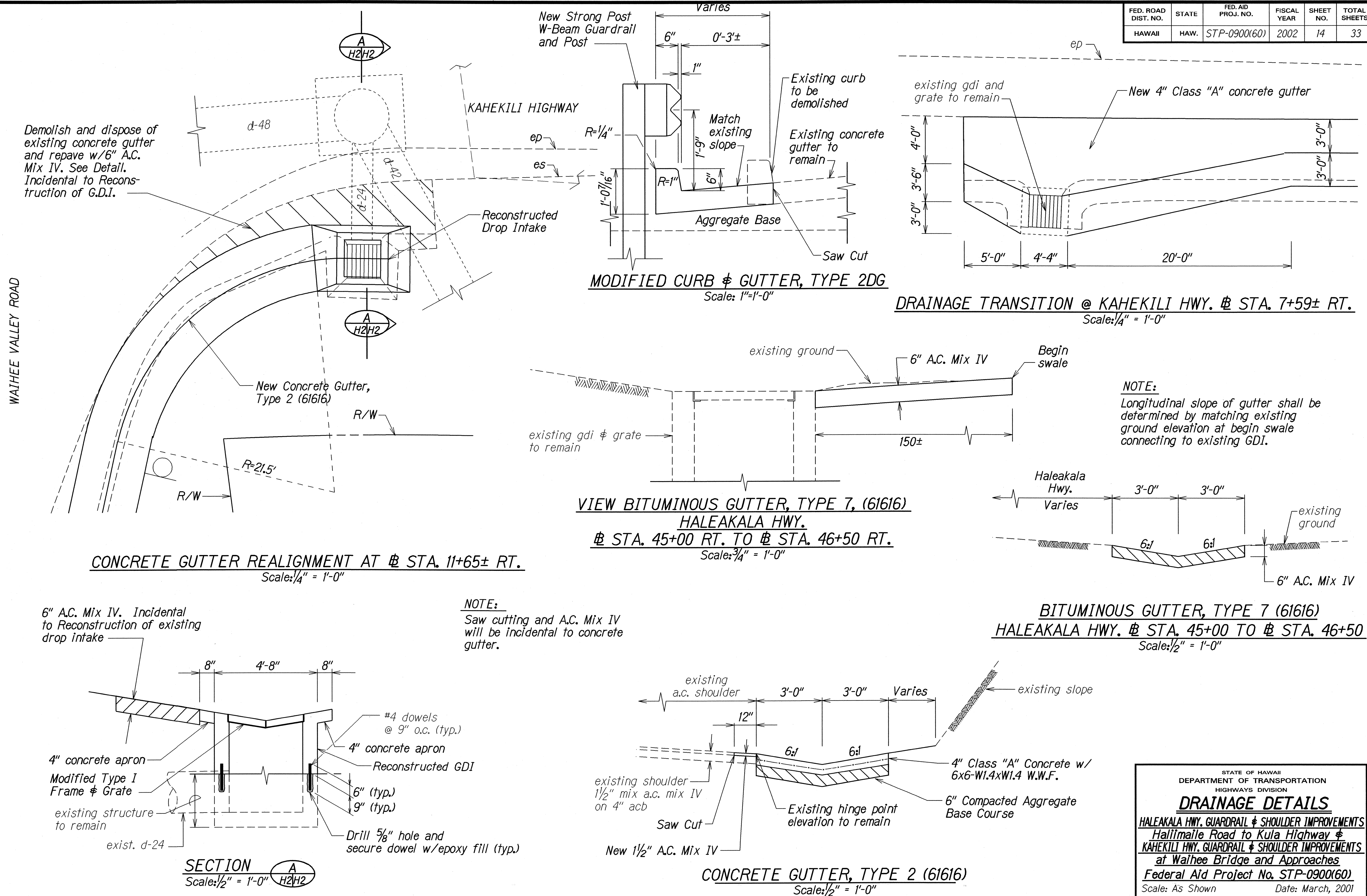
STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

HALEAKALA HWY. GUARDRAIL & SHOULDER IMPROVEMENTS
Haliimaile Road to Kula Highway &
KAHEKILI HWY. GUARDRAIL & SHOULDER IMPROVEMENTS
at Waihee Bridge and Approaches
Federal Aid Proj. No. STP-0900(60)
Scale: As Shown Date: March, 2001

SHEET No. HI OF 2 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0900(60)	2002	14	33



DESIGNED BY	DATE
DRAWN BY	DATE
CHECKED BY	DATE
NOTED BY	DATE
QUANTITIES BY	DATE
APPROVED BY	DATE

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

DRAINAGE DETAILS

HALEAKALA HWY. GUARDRAIL & SHOULDER IMPROVEMENTS
Haliimaile Road to Kula Highway &
KAHEKILI HWY. GUARDRAIL & SHOULDER IMPROVEMENTS
at Waihee Bridge and Approaches
Federal Aid Project No. STP-0900(60)

Scale: As Shown Date: March, 2001

SHEET No. H2 OF 2 SHEETS