

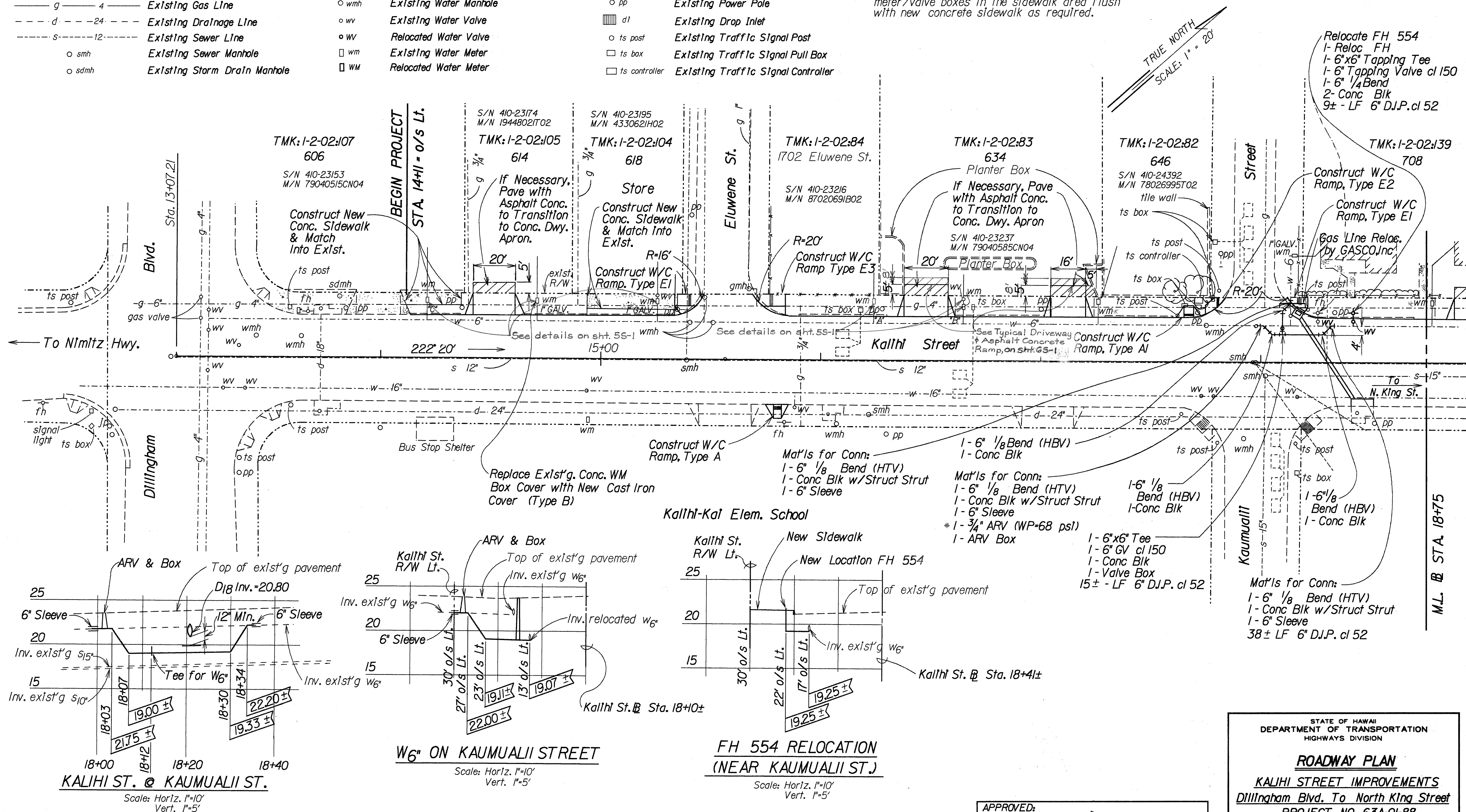
LEGEND

----- Existing Property Line	o hecomh Existing Hawaiian Electric Co. Manhole	o fh Existing Fire Hydrant
----- W ----- 6 ----- Existing Water Line	o gmh Existing Gas Manhole	o FH Relocated Fire Hydrant
----- g ----- 4 ----- Existing Gas Line	o wmh Existing Water Manhole	o pp Existing Power Pole
----- d ----- 24 ----- Existing Drainage Line	o wv Existing Water Valve	o d1 Existing Drop Inlet
----- s ----- 12 ----- Existing Sewer Line	o wv Relocated Water Valve	o ts post Existing Traffic Signal Post
o smh Existing Sewer Manhole	o wm Existing Water Meter	o ts box Existing Traffic Signal Pull Box
o sdmh Existing Storm Drain Manhole	o WM Relocated Water Meter	o ts controller Existing Traffic Signal Controller

NOTE FOR ADJUSTING EXISTING WATER METER BOXES:

The Contractor shall reinstall existing water meter/valve boxes in the sidewalk area flush with new concrete sidewalk as required.

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-88	1990	5	17



APPROVED:

CHIEF, PLANNING & ENGINEERING, BWS 2/26/90
 DATE

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION

ROADWAY PLAN

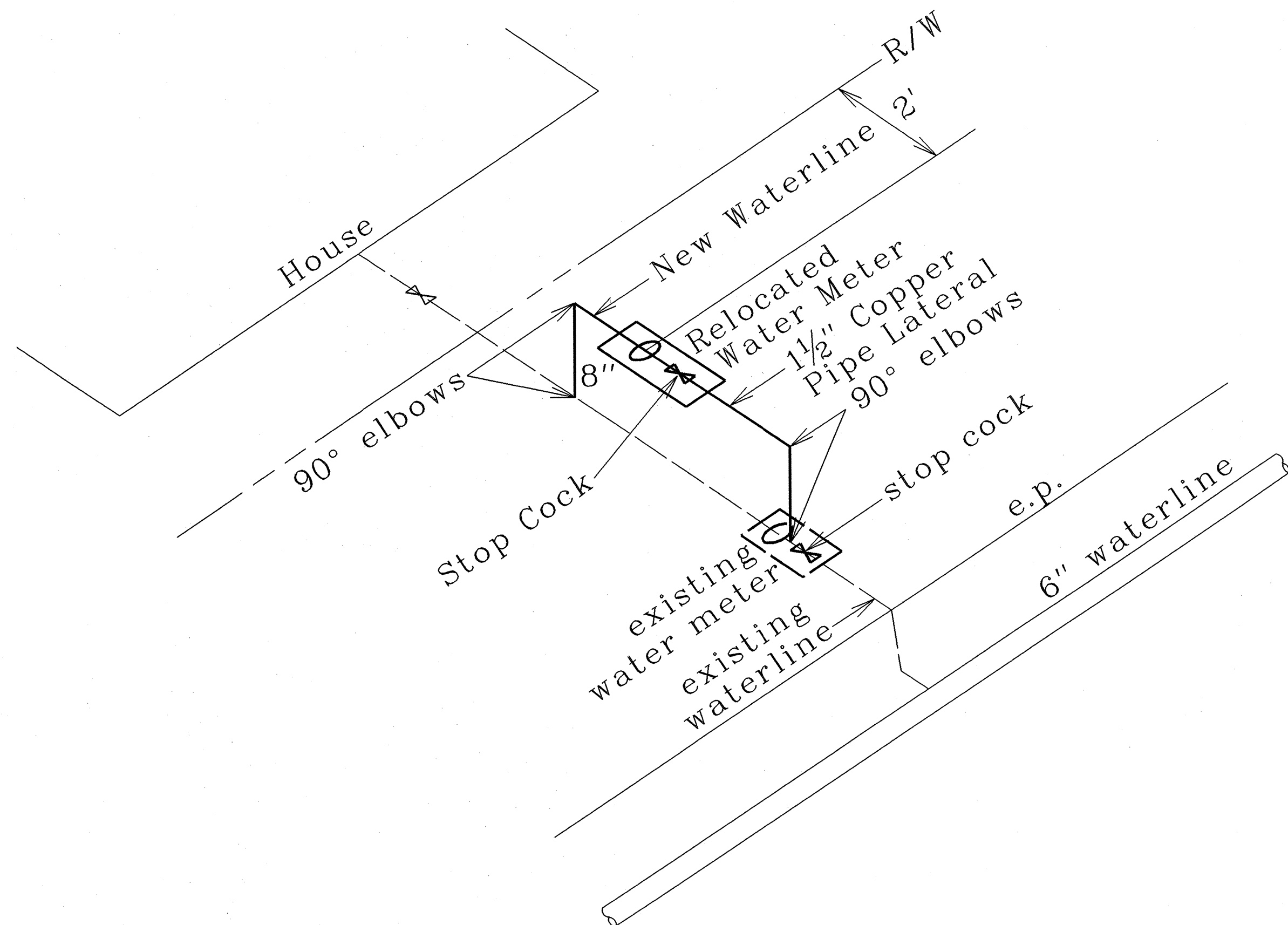
KALII STREET IMPROVEMENTS
 Dillingham Blvd. To North King Street
 PROJECT NO. 63A-01-88

Scale: As Noted Date: Aug., 1989

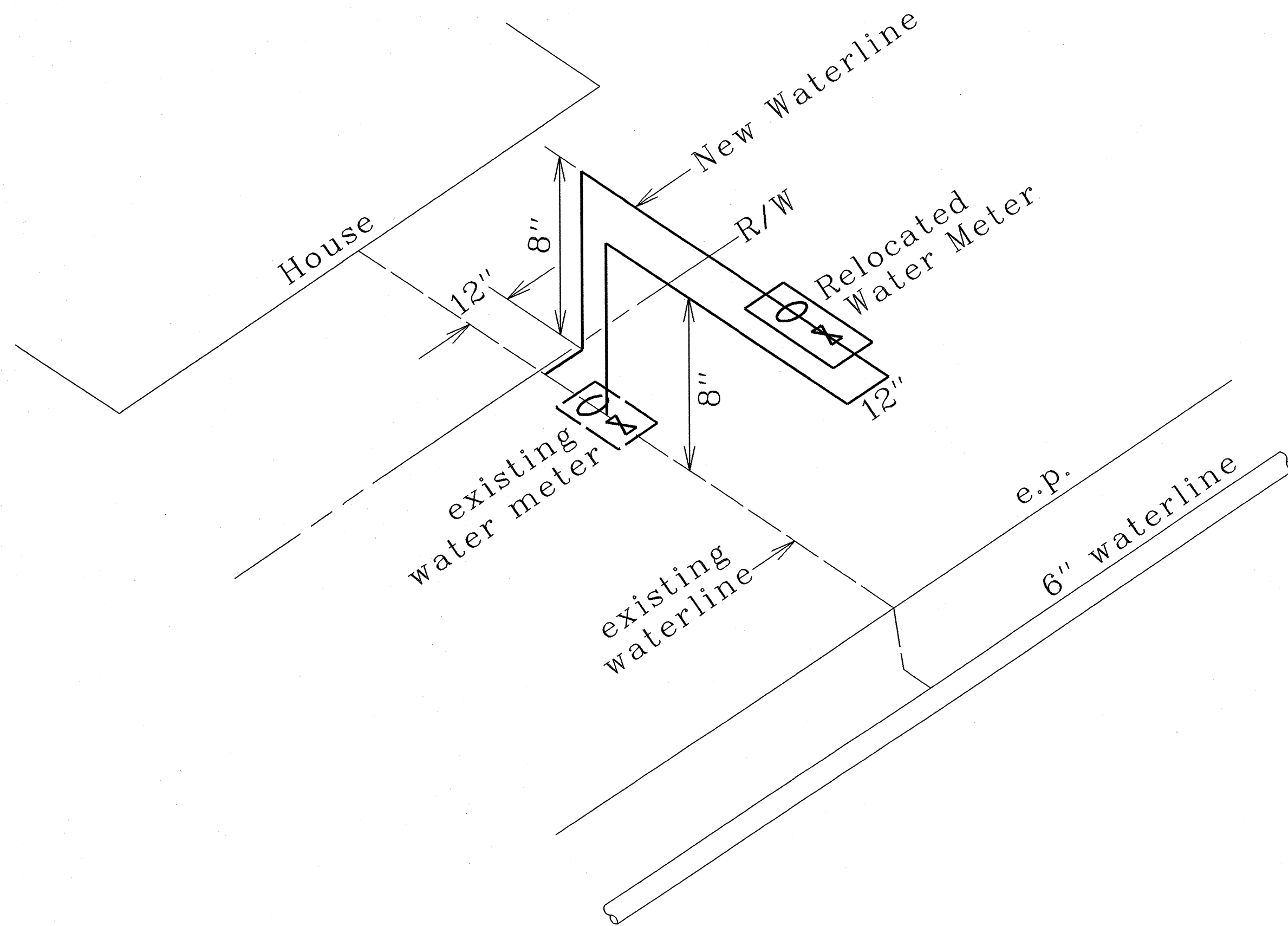
SHEET No. 1 OF 4 SHEETS

"AS-BUILT"

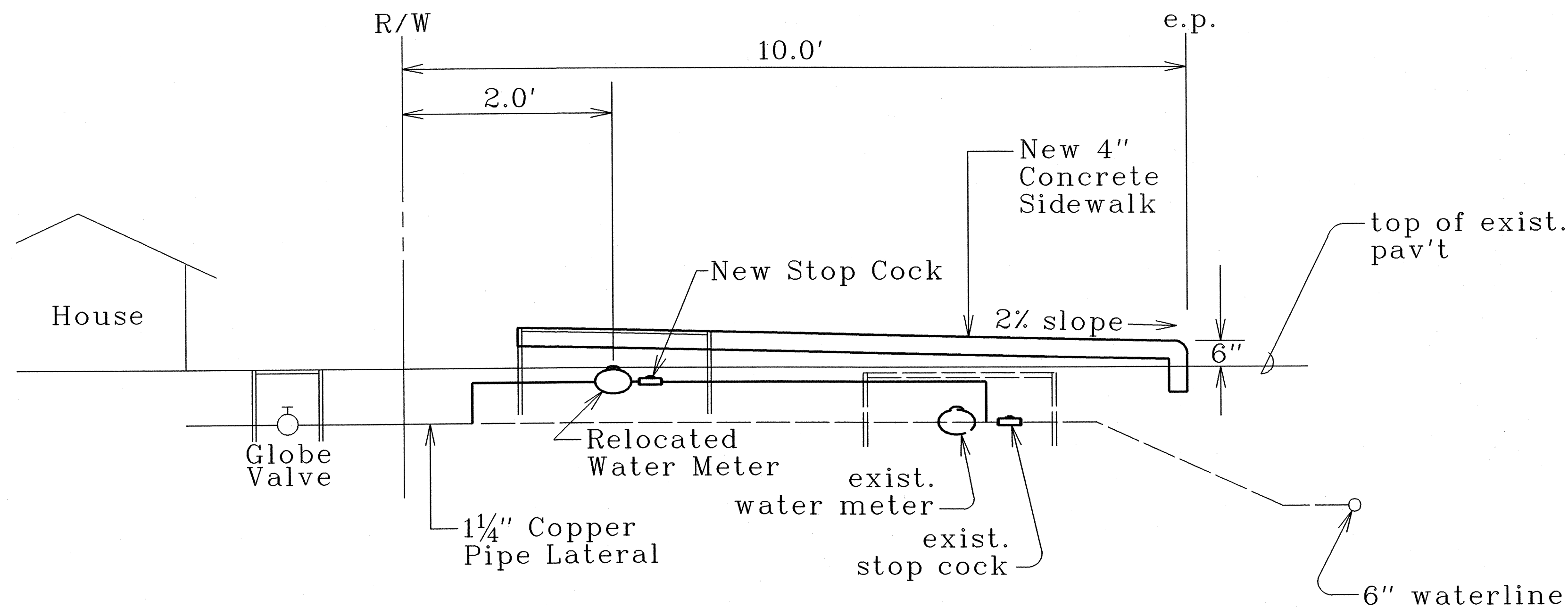
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-88	1990	55-1	24



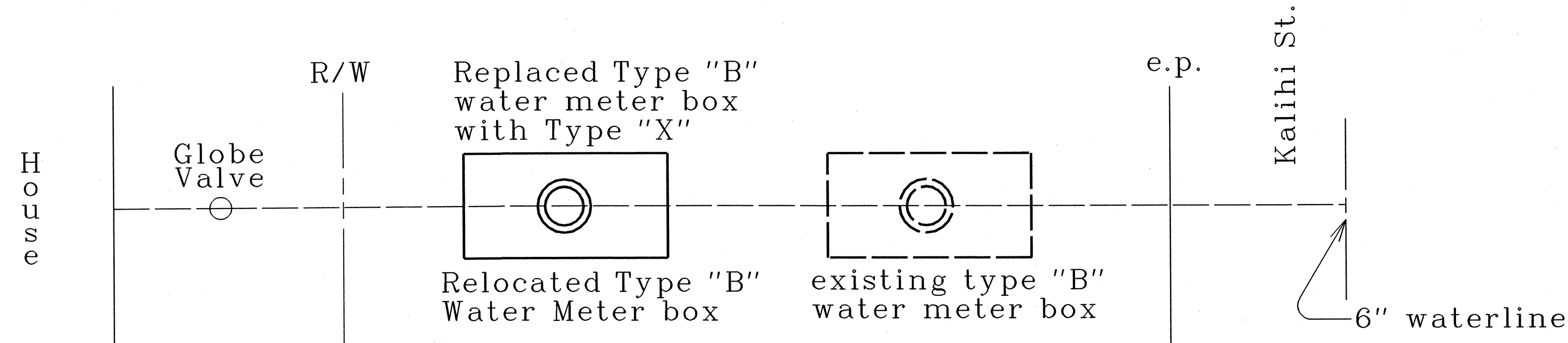
TYPICAL WATER LATERAL NO. 1A
Not to Scale



TYPICAL WATER LATERAL NO. 2
Not to Scale



PROFILE
Not to Scale



PLAN
Not to Scale

TYPICAL WATER LATERAL ALIGNMENT NO. 1

Note: This tracing prepared during "As-Built" posting.

LEGEND FOR AS-BUILT POSTINGS	
	Squiggly line for as-built deletion
	Double line for as-built deletion
Roadway	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITIES DETAILS

KALIHI STREET IMPROVEMENTS
DILLINGHAM BLVD. TO NORTH KING ST.
Project No. 63A-01-88
Scale: As Shown Date: June 2002
SHEET No. 1 OF 1 SHEETS

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	6/27/02
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
APPROVED BY	

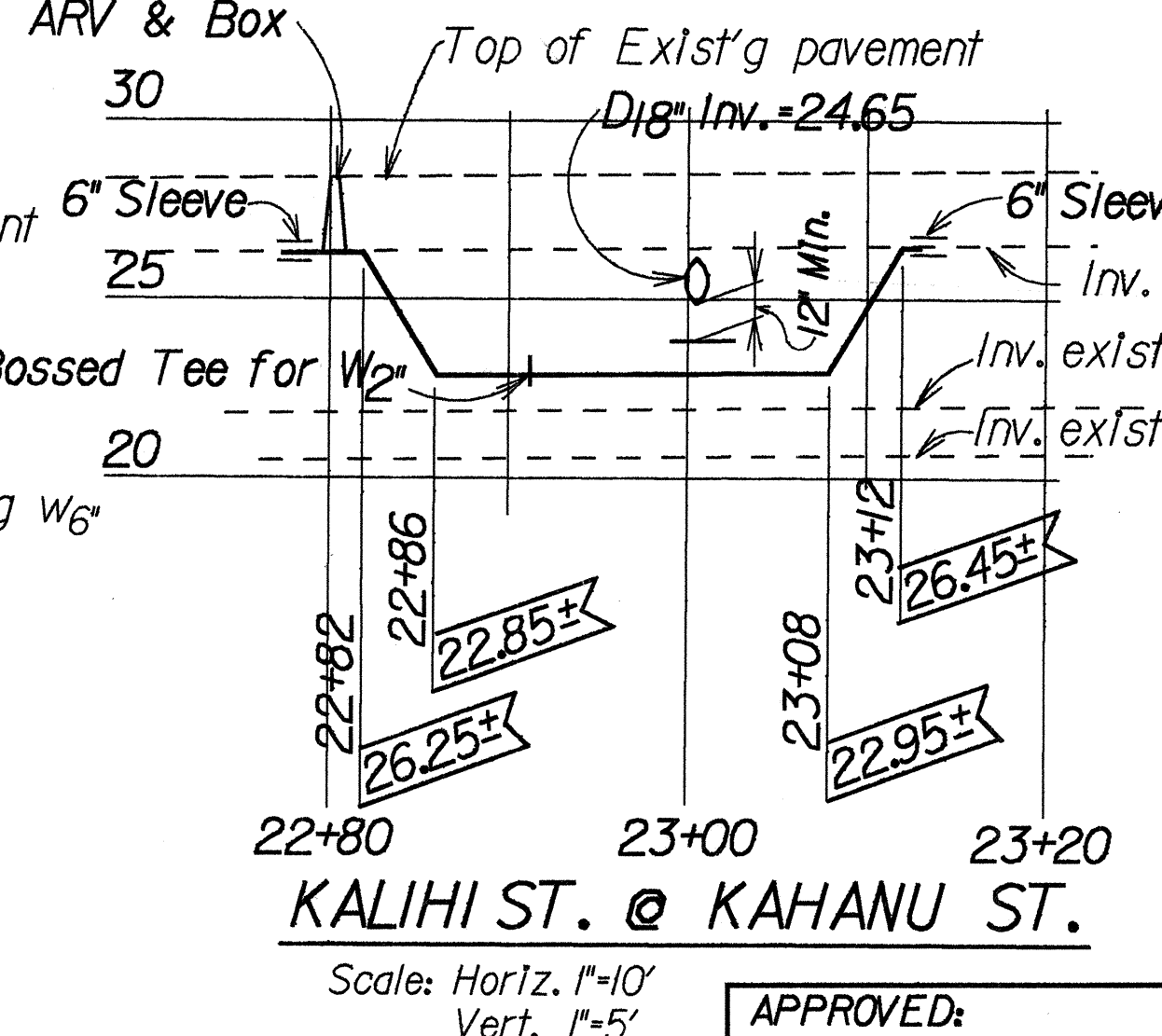
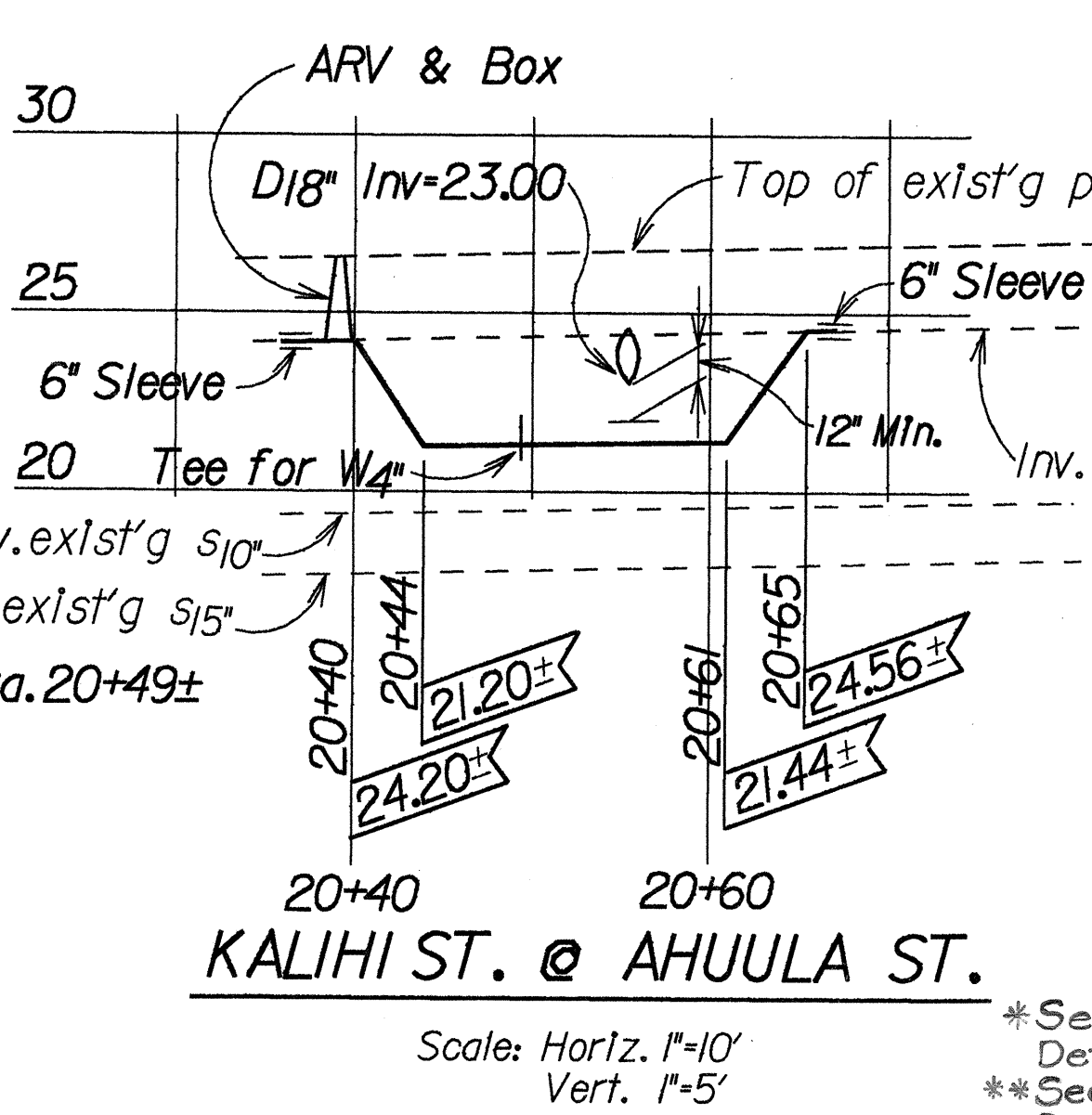
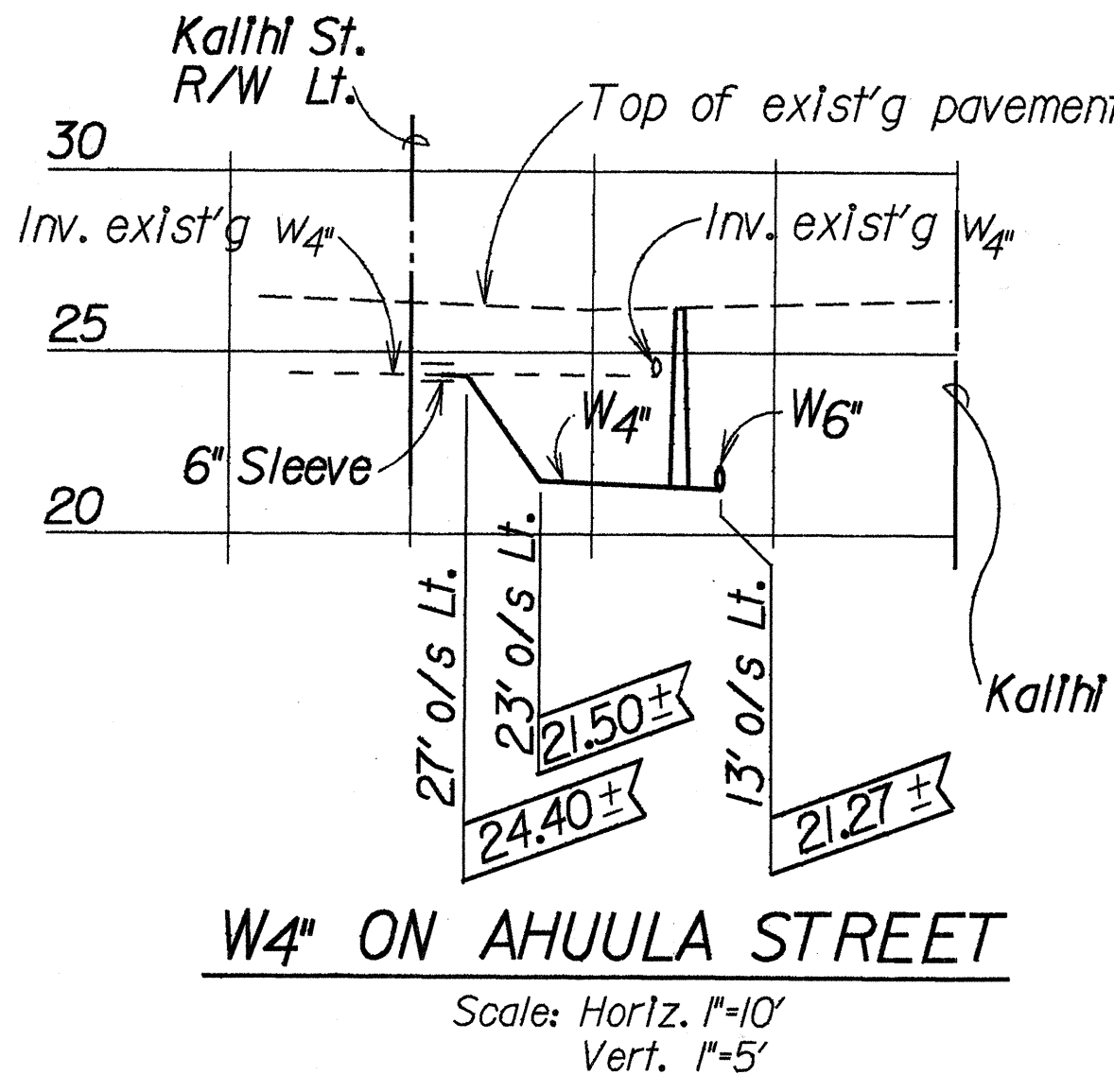
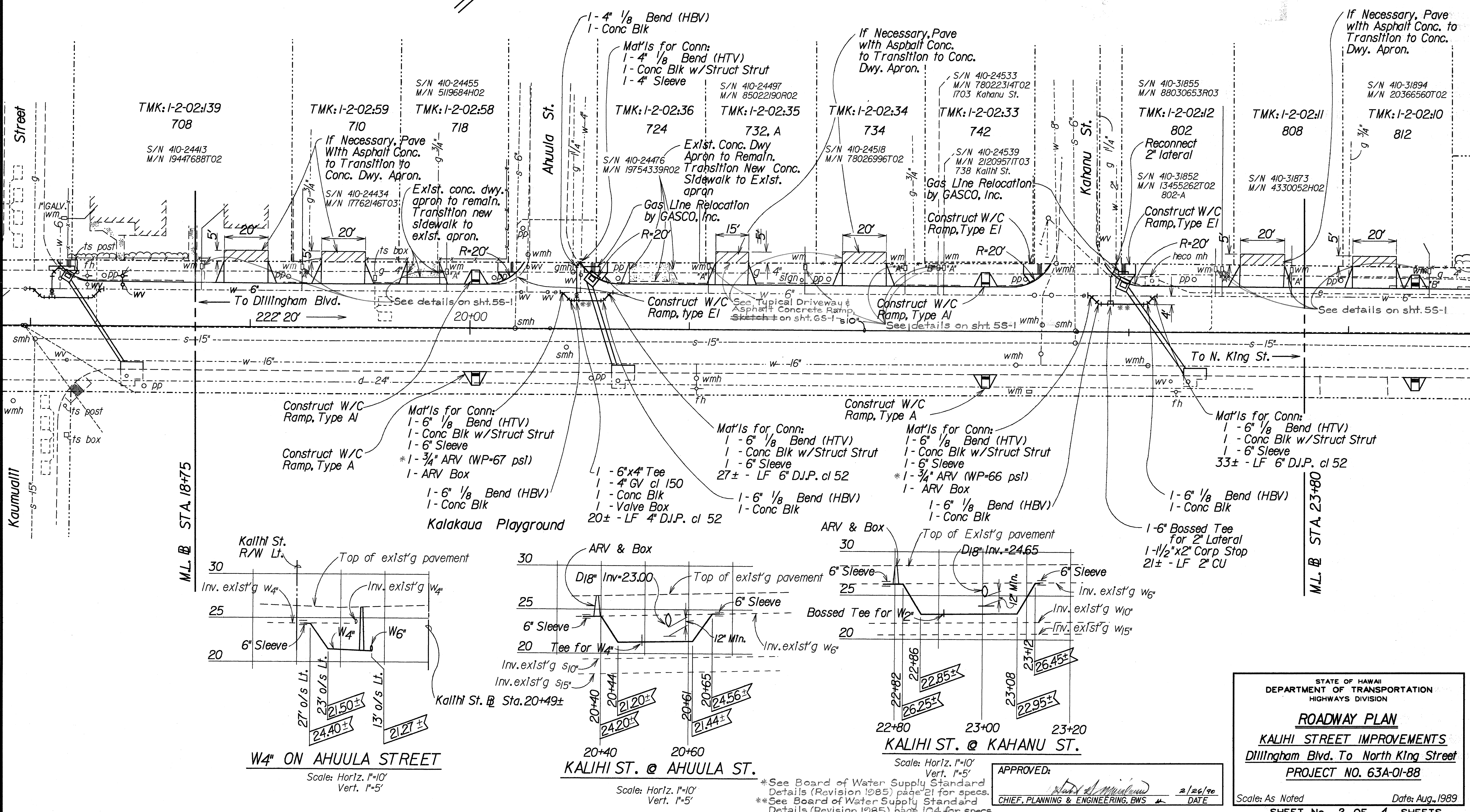
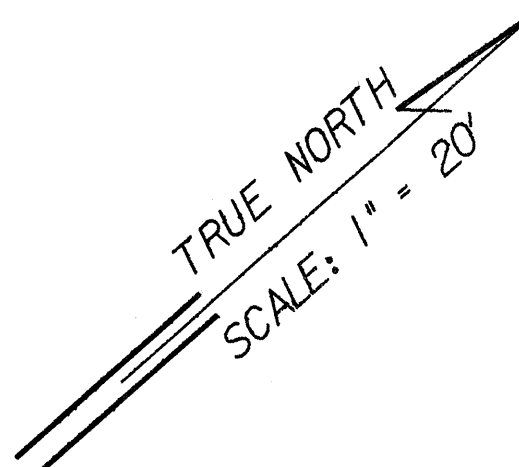
"AS-BUILT"

5S-1

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-88	1990	6	17

NOTE FOR ADJUSTING EXISTING WATER METER BOXES:

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STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

ROADWAY PLAN
KALIHI STREET IMPROVEMENTS
Dillingham Blvd. To North King Street
PROJECT NO. 63A-01-88

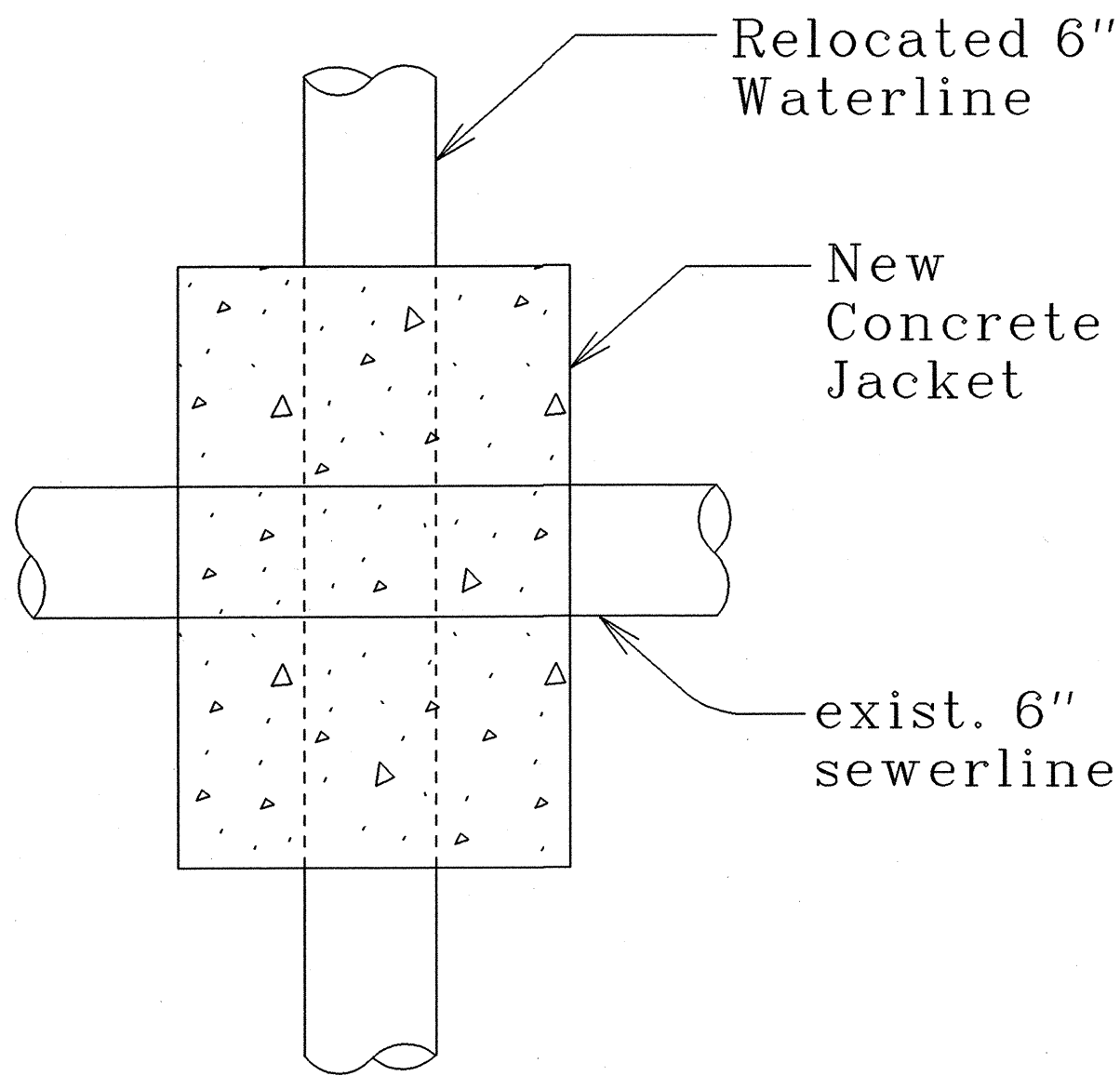
Scale: As Noted Date: Aug., 1989
SHEET No. 2 OF 4 SHEETS

* See Board of Water Supply Standard Details (Revision 1985) page 21 for specs.
** See Board of Water Supply Standard Details (Revision 1985) page 104 for specs.

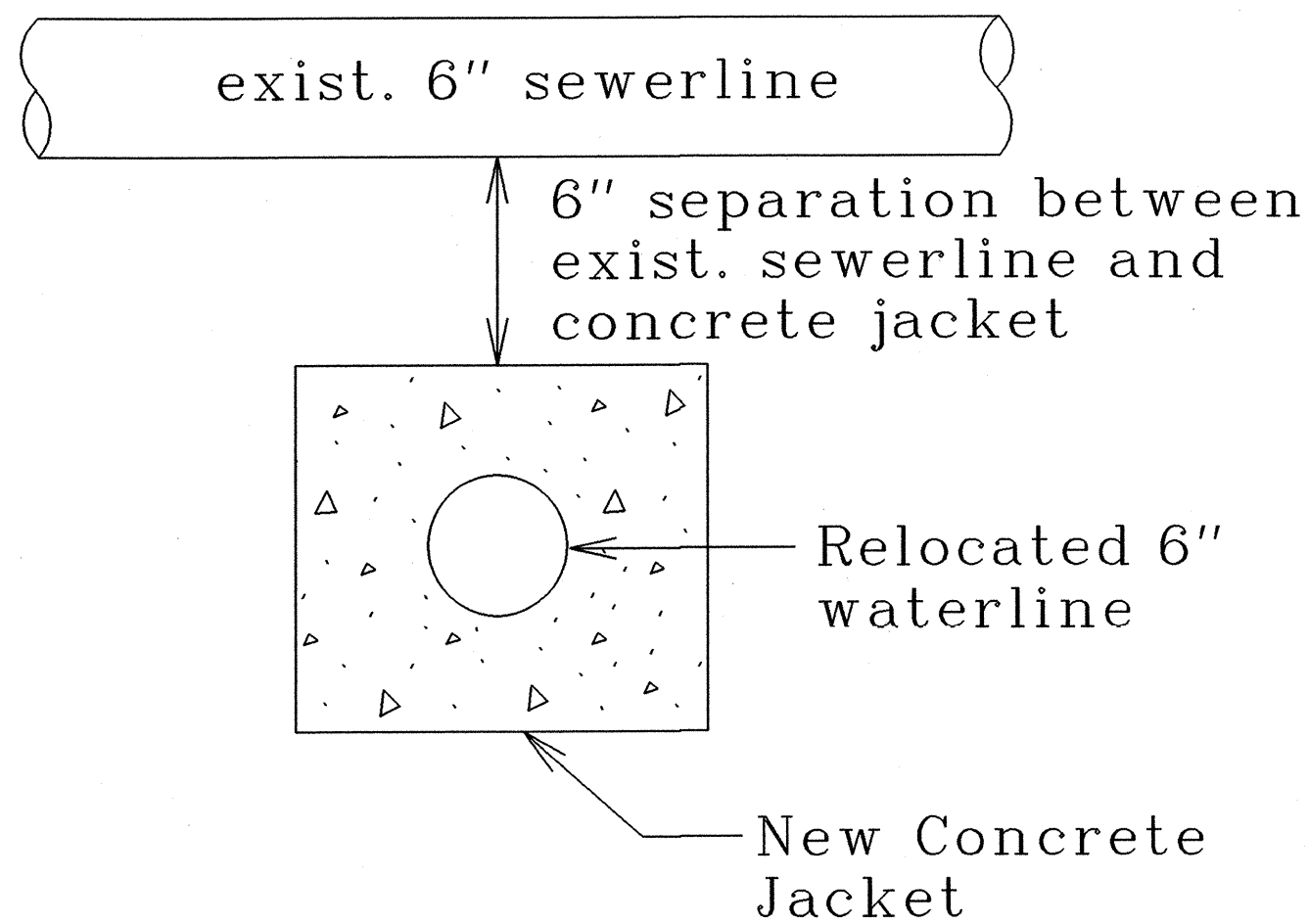
APPROVED: *[Signature]* 2/26/90
CHIEF, PLANNING & ENGINEERING, BWS DATE

"AS-BUILT"

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-88	1990	7S-1	24



PLAN
Not to Scale

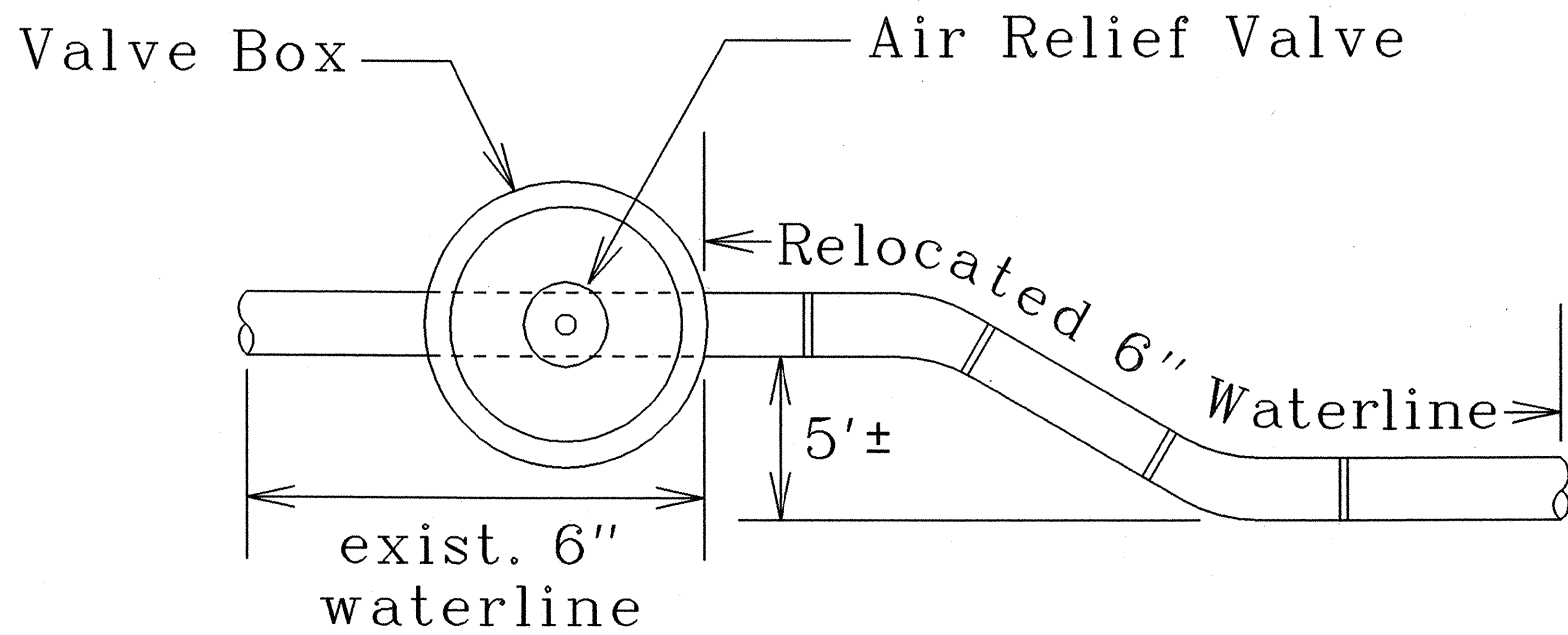


PROFILE
Not to Scale

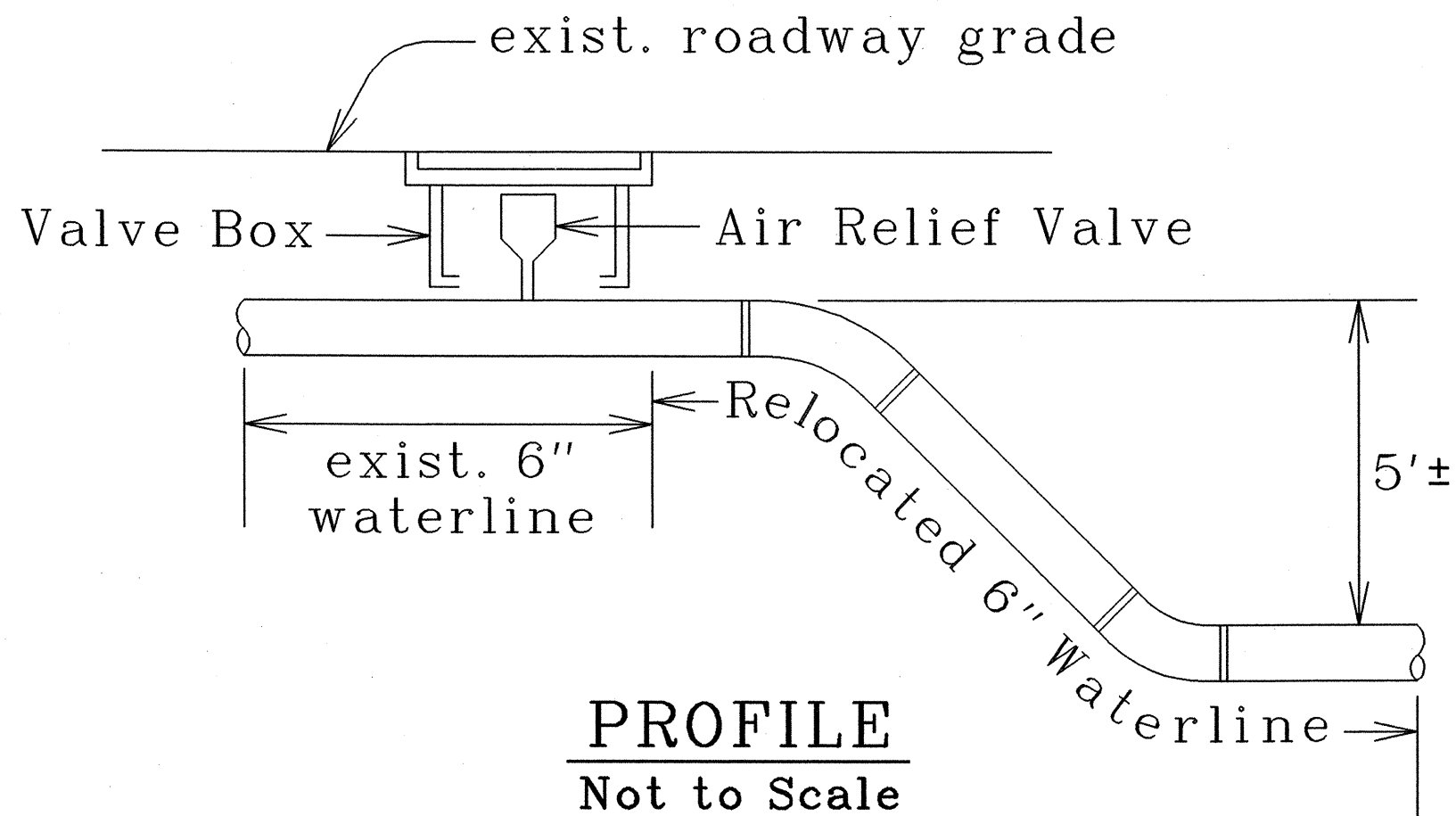
CONCRETE JACKET FOR RELOCATED 6" WATERLINE

Note:

1. Conduct 150 lb. test at each connection point.
2. Contractor has the option of using std. 6"x 6" tee and 6" valve instead.

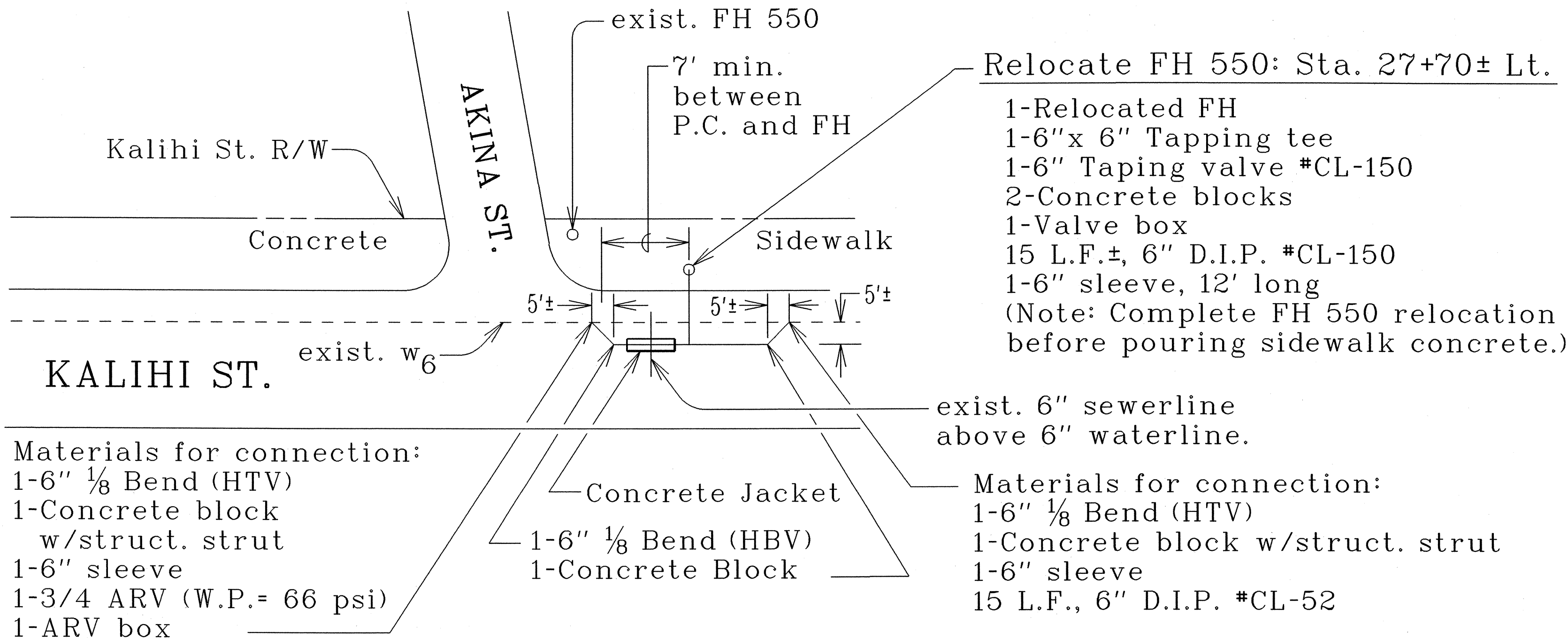


PLAN
Not to Scale



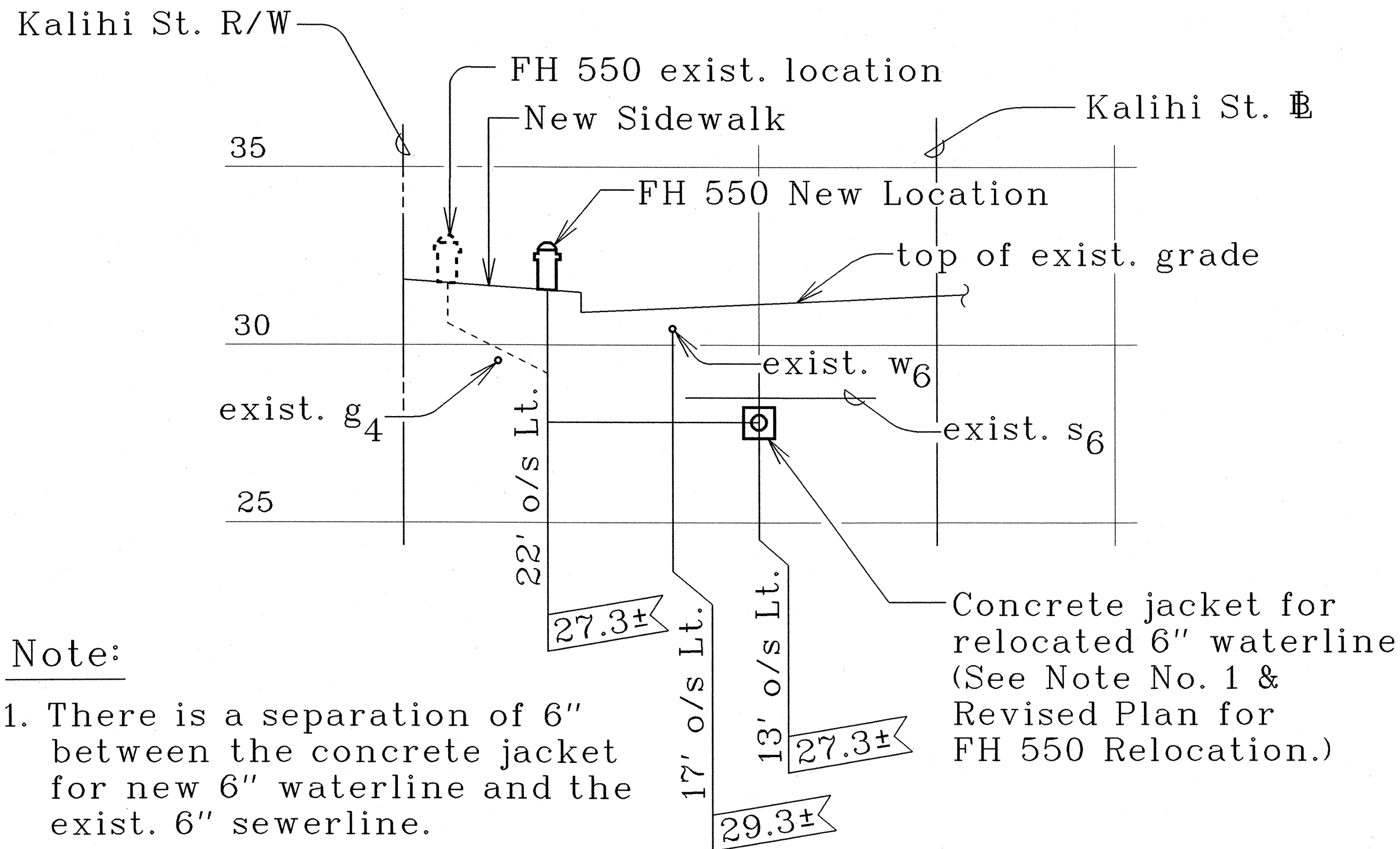
PROFILE
Not to Scale

TYPICAL LOCATION OF AIR RELIEF VALVE



REVISED PLAN FOR FH 550 RELOCATION

Not to Scale



REVISED PROFILE FOR FH 550 RELOCATION

Not to Scale

Note:

1. There is a separation of 6" between the concrete jacket for new 6" waterline and the exist. 6" sewerline.

LEGEND FOR AS-BUILT POSTINGS

	Squiggly line for as-built deletion
	Double line for as-built deletion
	Text for as-built posting

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

UTILITIES DETAILS

KALIHI STREET IMPROVEMENTS
DILLINGHAM BLVD. TO NORTH KING ST.
Project No. 63A-01-88

Scale: As Shown Date: June 2002
SHEET No. 1 OF 1 SHEETS

Note: This tracing prepared during "As-Built" posting.

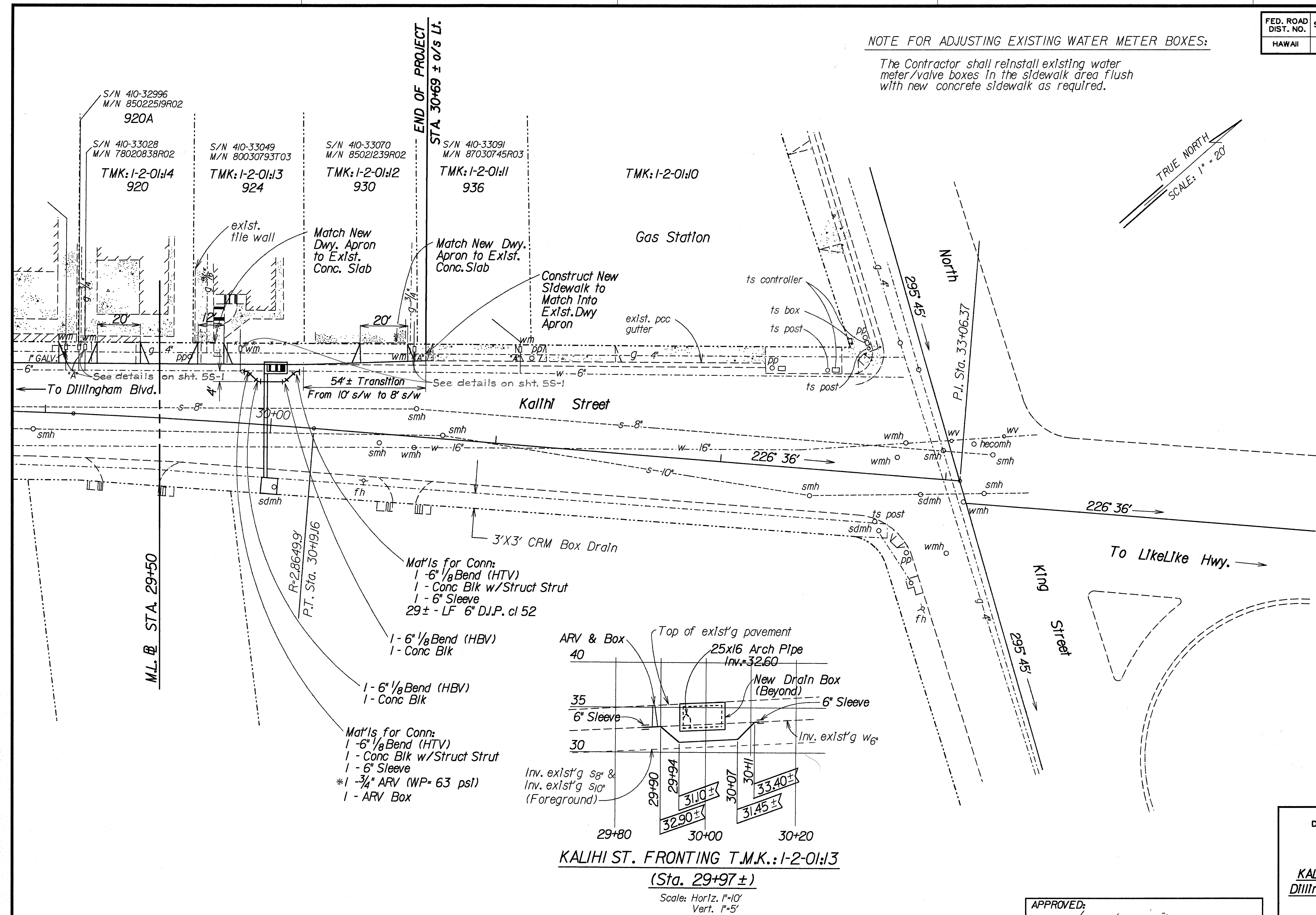
"AS-BUILT"

7S-1

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	63A-01-88	1990	8	17

NOTE FOR ADJUSTING EXISTING WATER METER BOXES:

The Contractor shall reinstall existing water meter/valve boxes in the sidewalk area flush with new concrete sidewalk as required.



SURVEY PLANNED BY	DATE
DRAWN BY	
DESIGNED BY	
CHECKED BY	
NOTED BY	
DATE	

APPROVED:

 CHIEF, PLANNING & ENGINEERING, BWS 2/26/90
 DATE

* See Board of Water Supply Standard Details (Revision 1985) page 21 for specs.

"AS-BUILT"

STATE OF HAWAII
 DEPARTMENT OF TRANSPORTATION
 HIGHWAYS DIVISION
ROADWAY PLAN
 KALIHI STREET IMPROVEMENTS
 Dillingham Blvd. To North King Street
 PROJECT NO. 63A-01-88
 Scale: As Noted Date: Aug., 1989
 SHEET No. 4 OF 4 SHEETS