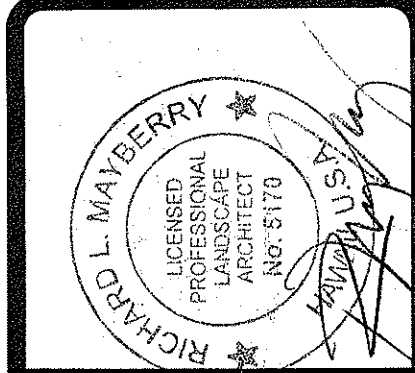


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HI	STP-036-1 (9)	1997	2	6

REVISIONS	BY
1	9/5/96 RO



HANA HIGHWAY

IRRIGATION PLAN

Pulehu Road to Haleakala Highway

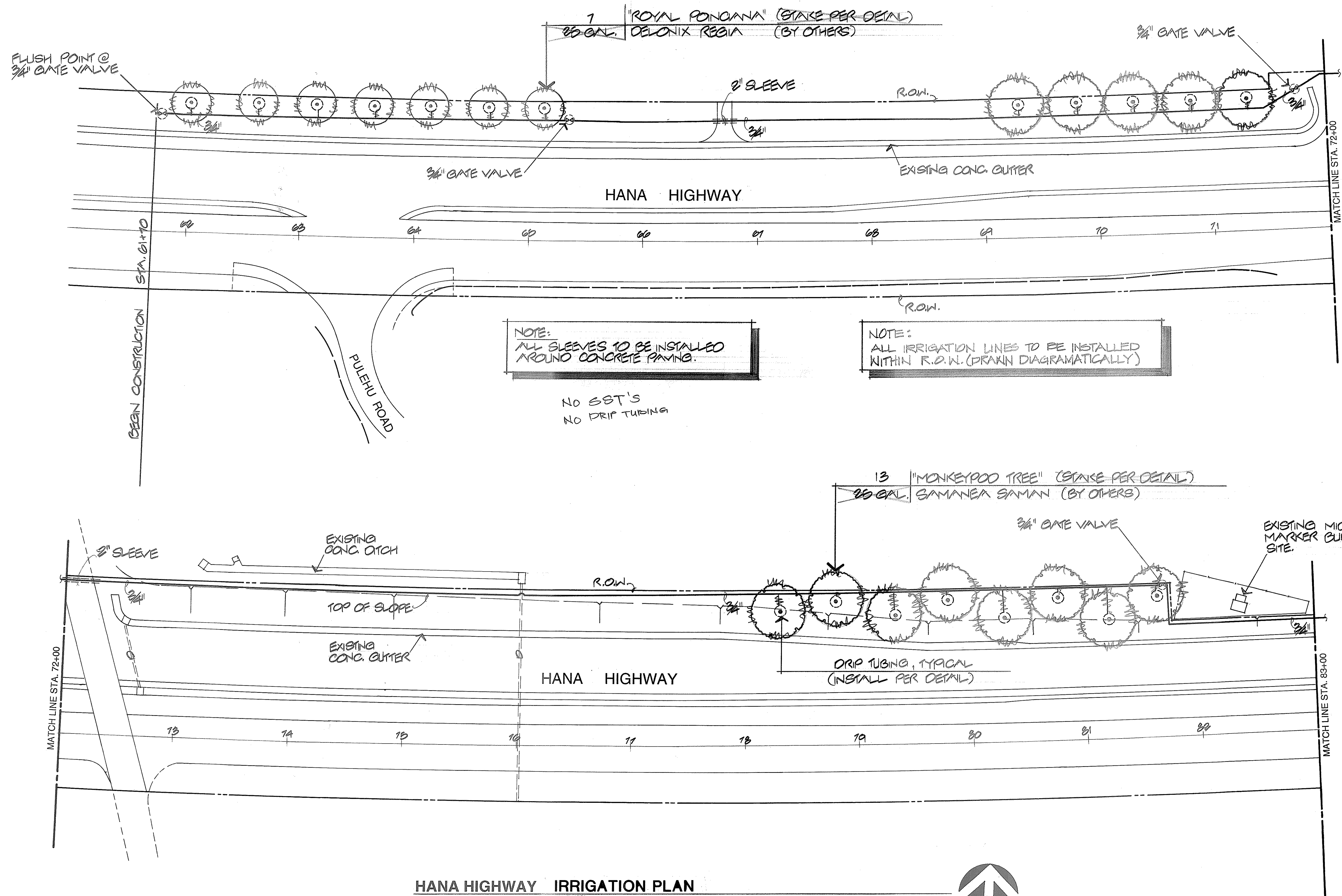
Kahului Maui Hawaii

MAYBERRY & associates

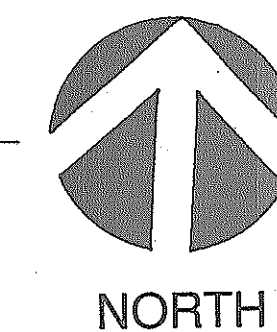
LANDSCAPE ARCHITECTURE • SITE PLANNING • GRAPHICS

358 Papa Place Kahului, Hawaii 96732 (808) 871-4771

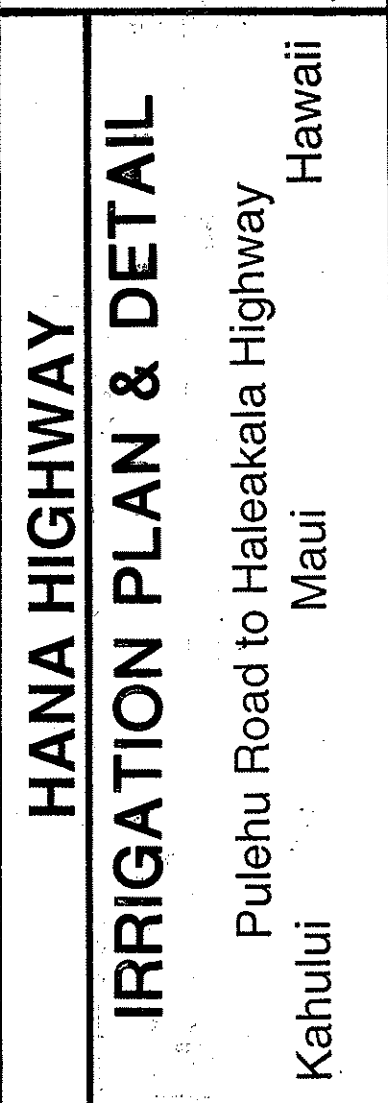
DRAWN	RO
CHECKED	PM
DATE	3/21/96
SCALE	1" = 40'
JOB NO.	
SHEET	2
OF	6 SHEETS



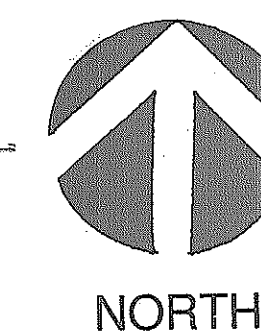
HANA HIGHWAY IRRIGATION PLAN
SCALE: 1" = 40'



"AS-BUILT"

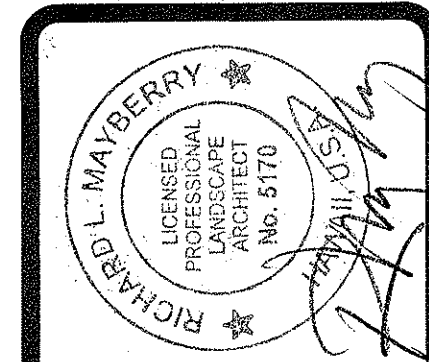
[illegible]

DRAWN RO
CHECKED RM
DATE 3/27/90
SCALE 1"=40'
JOB NO.
SHEET 3
OF 6 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HI	STP-036-1 (9)	1997	4	6

REVISIONS	BY
1	9/6/96 RO



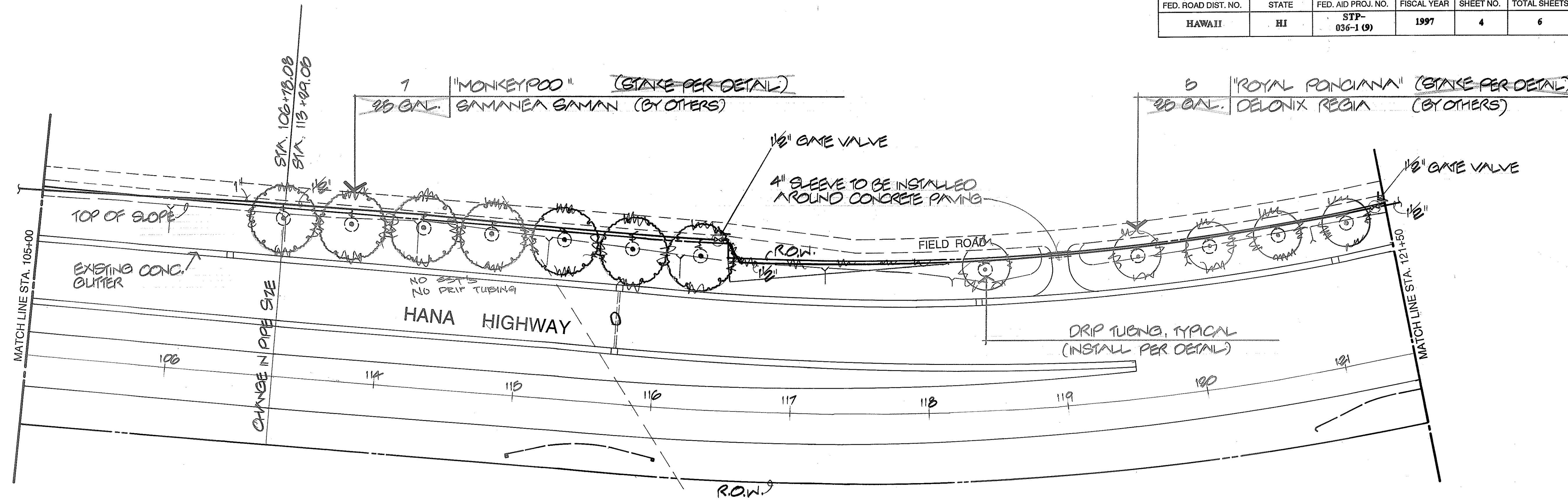
**HANA HIGHWAY
IRRIGATION PLAN**

Pulehu Road to Haleakala Highway
Maui
Hawaii

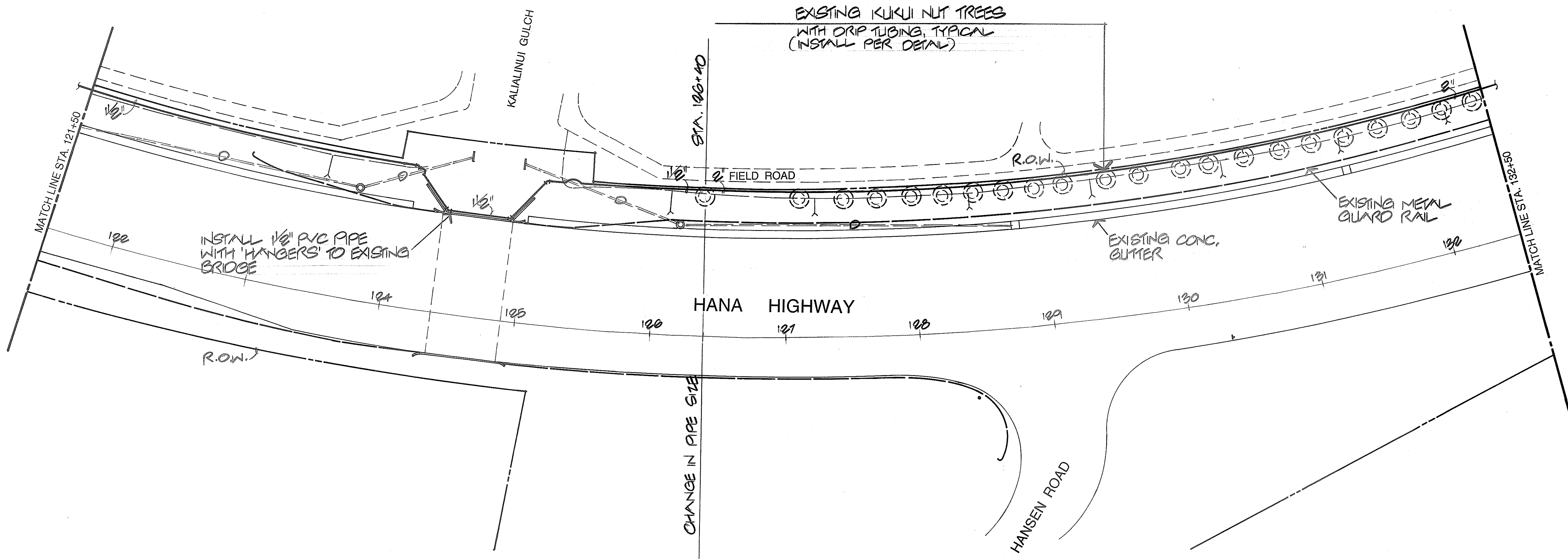
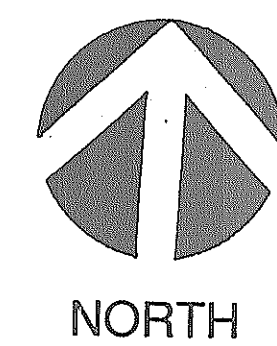
MAYBERRY & associates
LANDSCAPE ARCHITECTURE • SITE PLANNING • GRAPHICS
355 Papa Place
Kahului, Hawaii 96732
(808) 871-4771

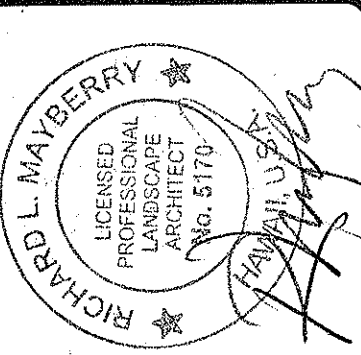
NO. 186A - 24x36 mm

DRAWN RO
CHECKED RM
DATE 3/27/96
SCALE 1"=40'
JOB NO.
SHEET 4
OF 6 SHEETS

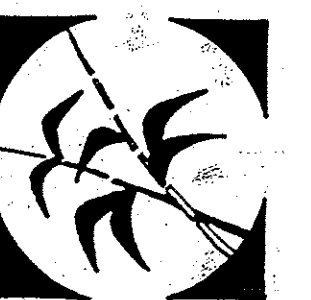


HANA HIGHWAY IRRIGATION PLAN
SCALE: 1" = 40'



[illegible]

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DRAWN
RO
CHECKED
RM
DATE
3/27/20
SCALE
1"=40'
JOB NO.
SHEET
5
OF 6 SHEETS

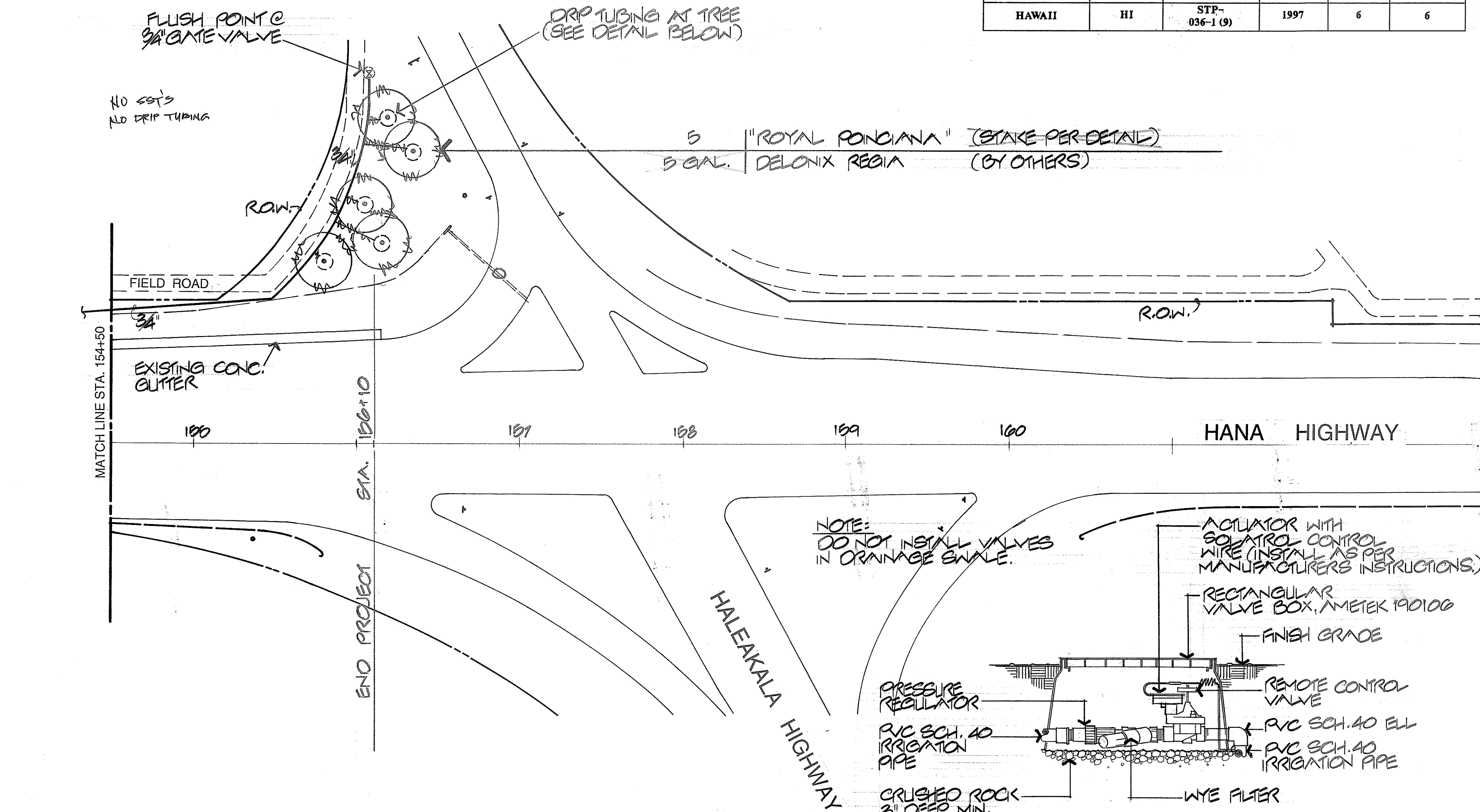
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HI	STP-036-1 (9)	1997	6	6

NOTES: PLANTING SPECIFICATIONS

- 1) **SOIL CONDITIONER** shall consist of nitrilized redwood compost such as Big R or Kelloggs KRA or equal.
- 2) **PLANTING PITS:** 2x the rootball diameter and 1½x deeper or as per detail.
- 3) **PLANTING BACKFILL:** 75% excavated soil and 25% soil conditioner.
- 4) **PLANTING TABLETS:** Agriform 21 gram 20-10-5 or equal plant tabs shall be installed in all planting pits as per the manufacturer's directions.
- 5) **TREE STAKES:** Trees shall be staked for support as per detail using 8 ft. lodgepole stakes. Trees shall be secured to stakes with two "Cinch ties" or equal.
- 6) All plant material shall be healthy, vigorous, free from pests and diseases and shall be true to form, size and character. All plant material shall be subject to the approval of the Landscape Architect.
- 7) The plant quantities shown are for the convenience of the Contractor who shall be responsible for their planting by name and number in the locations as indicated on the plan.
- 8) All trees shall be guaranteed for a period of 6 months.

9) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FLUSHING OUT ANY DEBRIS IN IRRIGATION LINES BEFORE INSTALLATION OF GEOFLOW TUBING.

EMITTERS PER TREE	FLOW/G.P.H. PER EMITTER
KUKUI NUT TREE 9 EMITTERS	0.8 G.P.H.
MONKEYPOD TREE 9 EMITTERS	0.8 G.P.H.
ROYAL PONCIANA 9 EMITTERS	0.8 G.P.H.
EXISTING MONKEYPOD 30 EMITTERS	1.0 G.P.H.



HANA HIGHWAY IRRIGATION PLAN SCALE: 1" = 40'

DRIP IRRIGATION VALVE ASSEMBLY DETAIL
NOT TO SCALE

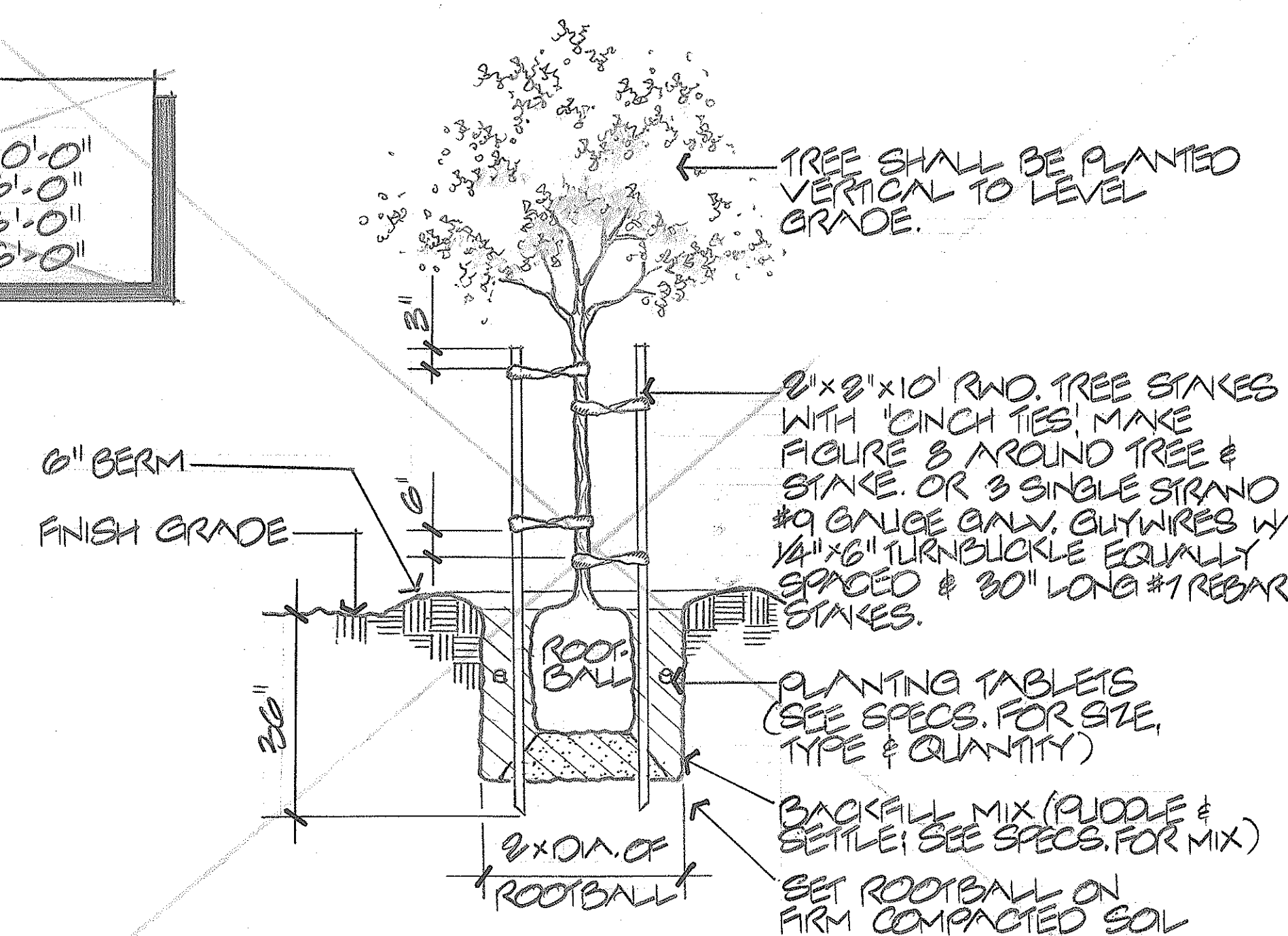
TYPICAL DRIP TUBING AT TREE DETAIL

QUANTITY	COMMON NAME/ BOTANICAL NAME	SIZE
23	ROYAL PONCIANA / DELONIX REGIA	25 GALLON (BY OTHERS)
35	MONKEYPOD / SAMANEA SAMAN	25 GALLON (BY OTHERS)

IRRIGATION LEGEND

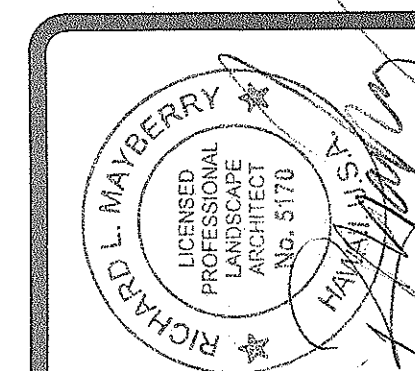
SYMBOL	DESCRIPTION	MANUFACTURER & MODEL#
	REMOTE CONTROL VALVE	SOLATROL VASN 1000-1" (SEE DETAIL)
	PVC SCHEDULE 40 SLEEVE (SEE DETAIL)	
	PVC SCHEDULE 40 PIPE, INSTALL 24" MIN. BELOW FINISH GRADE.	
	POLYETHYLENE PIPE, INSTALL 18" MIN. BELOW FINISH GRADE.	
	NETAFIM RAM IN PIPE WITH ROOTGUARD, INSTALL 6" MIN. BELOW FINISH GRADE.	
	FERTILIZER INJECTOR (INSTALL PER MANUFACTURER'S INSTRUCTIONS)	'MIC' MAZZEI INJECTOR 1583 WITH LEMA 1521-4 ACTUATOR 33" HIGH GALV. COLUMN ON 2'x2' CONCRETE PAD.
	DRIP SYSTEM FLOW/GPM	
	VALVE SIZE	
	GATE VALVE/FLUSH VALVE	NIBCO T-113 (SIZE AS INDICATED ON PLAN)
	SOLAR CONTROLLER (INSTALL PER MANUFACTURER'S INSTRUCTIONS)	SOLATROL LEIT 4000 SERIES
	HOSE BIBB	

NOTE:
EXISTING MONKEYPOD ±20'-0"
EXISTING KUKUI NUT ±6'-0"
NEW MONKEYPOD ±6'-0"
NEW ROYAL PONCIANA ±6'-0"



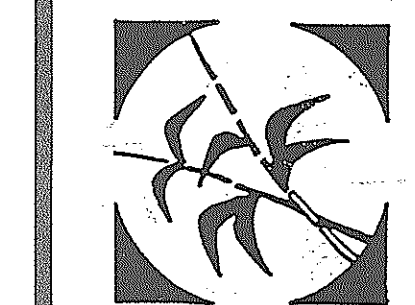
TREE PLANTING DETAIL
NOT TO SCALE

REVISIONS	BY
1	9/3/96 RO



HANA HIGHWAY
IRRIGATION PLAN
LEGEND, NOTES, AND DETAILS
Pulehu Road to Haleakala Highway
Maui
Kahului
Hawaii

MAYBERRY & associates
LANDSCAPE ARCHITECTURE • SITE PLANNING • GRAPHICS
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Kahului, Hawaii 96732 (308) 871-4771



DRAWN	18
CHECKED	18
DATE	3/27/96
SCALE	1"=40'
JOB NO.	
SHEET	6
OF	6 SHEETS

"AS-BUILT"

(463)

DA:6