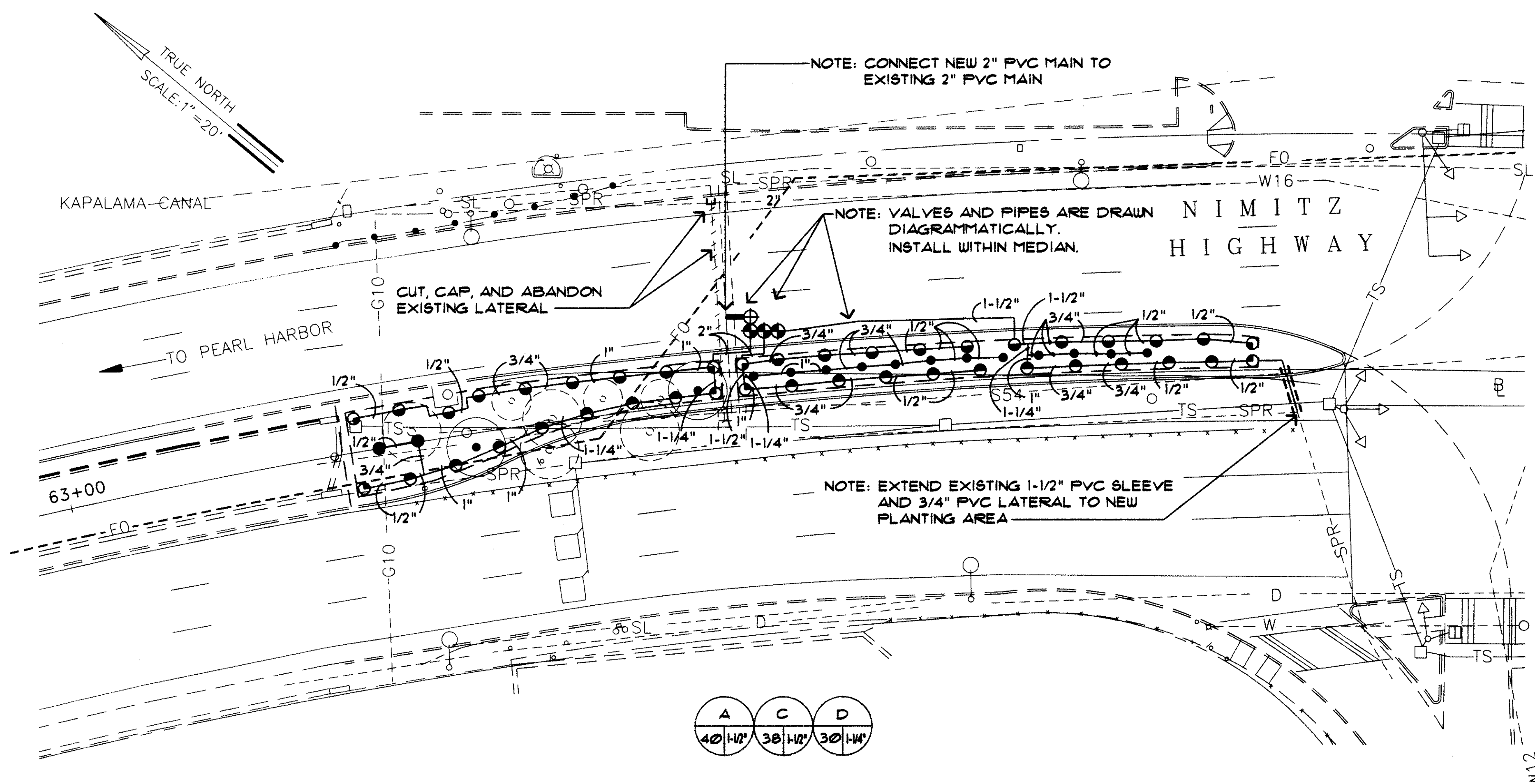


EXISTING PLANT LEGEND		
NUMBER	DESCRIPTION	REMARKS
①	WILLOW	REMAIN
②	COCO PALM	REMAIN
③	KALAMONA	REMAIN
④	KALAMONA	RELOCATE
⑤	COCO PALM	REMAIN
⑥	KALAMONA	RELOCATE
⑦	COCO PALM	REMAIN

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	92A-02-90	1992	7	8



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**LANDSCAPE PLANTING PLAN**  
**LANDSCAPE IRRIGATION PLAN**

NIMITZ HIGHWAY  
TRAFFIC SIGNALS AT  
ALA KAWA STREET

PROJECT NO. 92A-02-90

SCALE: 1" = 20' DATE: JANUARY 1992

SHEET NO. L-1 OF 2 SHEETS

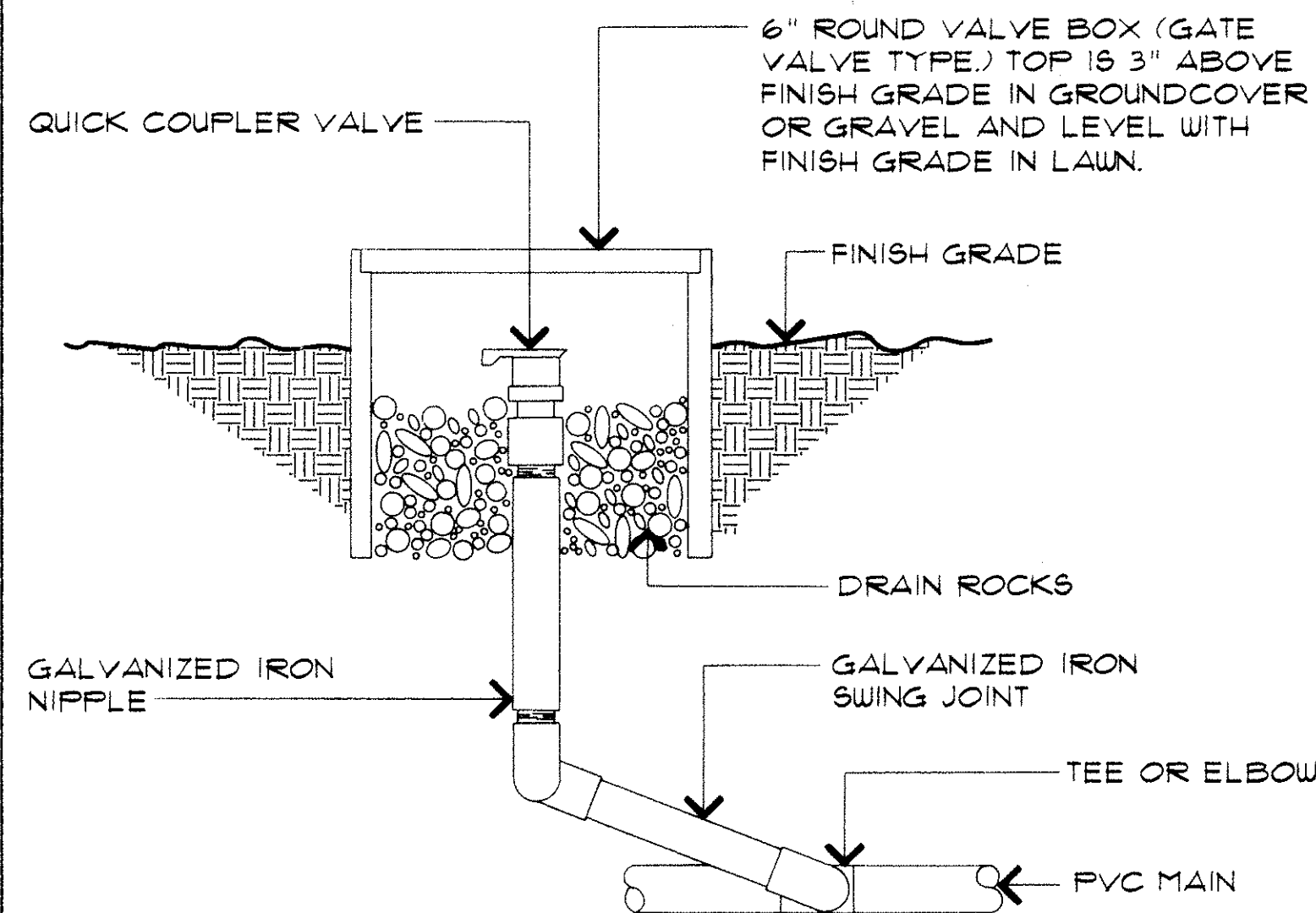
IRRIGATION EQUIPMENT LIST

PLANT LIST

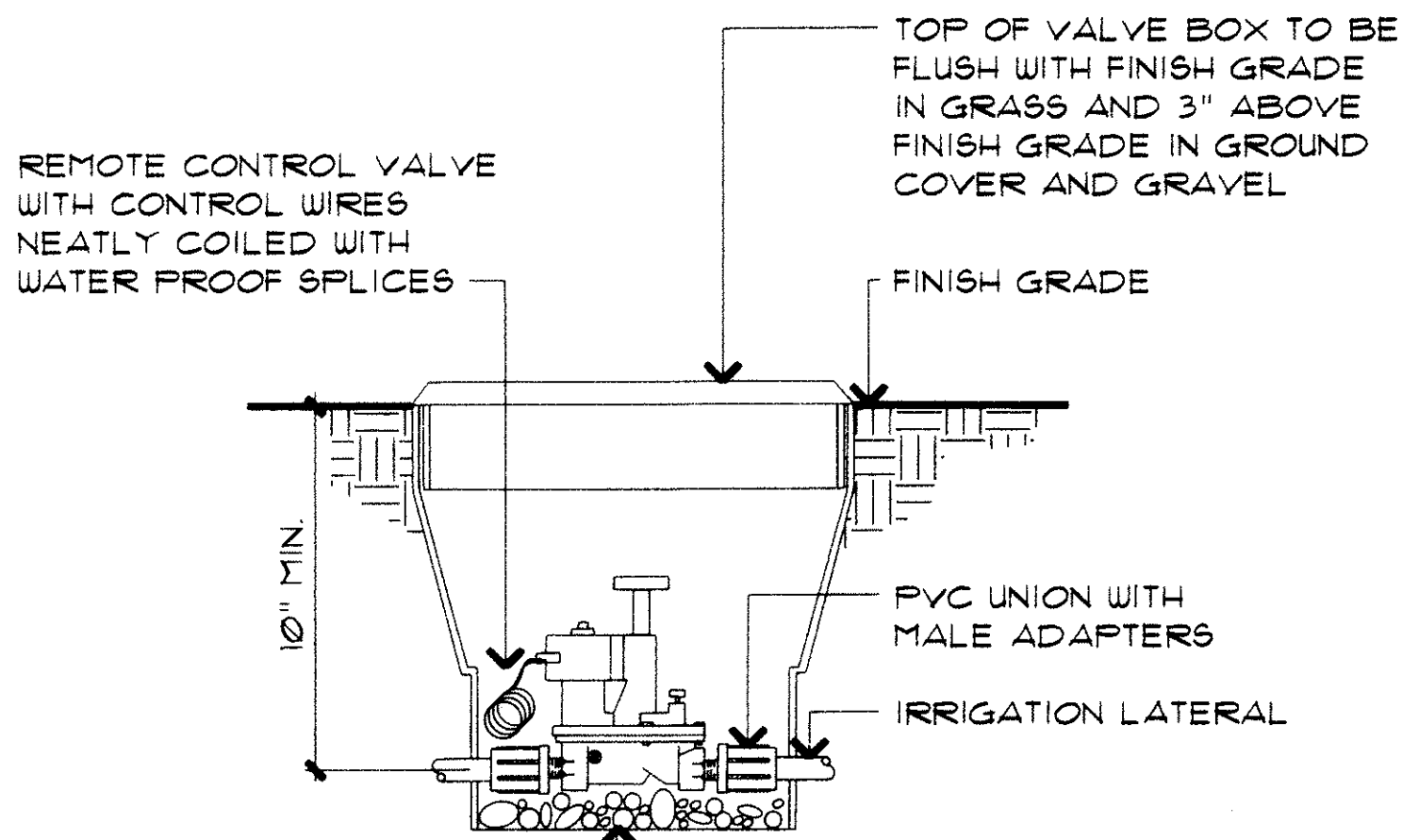
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	92A-02-90	1992	8	8

SYMBOL	MANUFACTURER AND CATALOG NUMBER	DESCRIPTION	G.P.M.	RADIUS	P.S.I.
●	TORO 510C-12P-15F	12" POP-UP SPRAY, STD. GAL., FULL CIRCLE	4	15'	30
○	TORO 510C-12P-15H	12" POP-UP SPRAY, STD. GAL., HALF CIRCLE	2	15'	30
●	TORO 510C-12P-15Q	12" POP-UP SPRAY, STD. GAL., QTR. CIRCLE	1	15'	30
●	TORO 510-FB-200-ADJ-FC	FLOOD BUBBLER	2		30
⊕	BUCKNER 25000, 25001, 45002	QUICK COUPLER VALVE, COUPLER KEY, HOSE SWIVEL ELLS			
⊕	BUCKNER 200X0 SERIES	REMOTE CONTROL VALVE			
	PVC CLASS 200 PIPE	IRRIGATION LATERAL			
----	PVC SCHEDULE 40 PIPE	IRRIGATION MAIN			
----	PVC SCHEDULE 40 PIPE	IRRIGATION SLEEVE			
○		STATION NUMBER			
○		G.P.M. OF SYSTEM/SIZE OF R.C.V.			
⊕		SIZE OF SLEEVE			

QUANTITY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
12	MANILA PALM	VEITCHIA MERRILLII	25 GAL.	4' TRUNK HT.
5000	TRAILING LANTANA	LANTANA SELLOWIANA	1 GAL.	• 18" O.C.
520	DWARF RHOEO	RHOEO COMMELINACEA	1 GAL.	• 12" O.C.
540 L.F.	PLASTIC HEADER	COBRA 'HIGH-TEST'		
17 C.Y.	GRAVEL (NO. 3 MEDIUM)			4" DEPTH



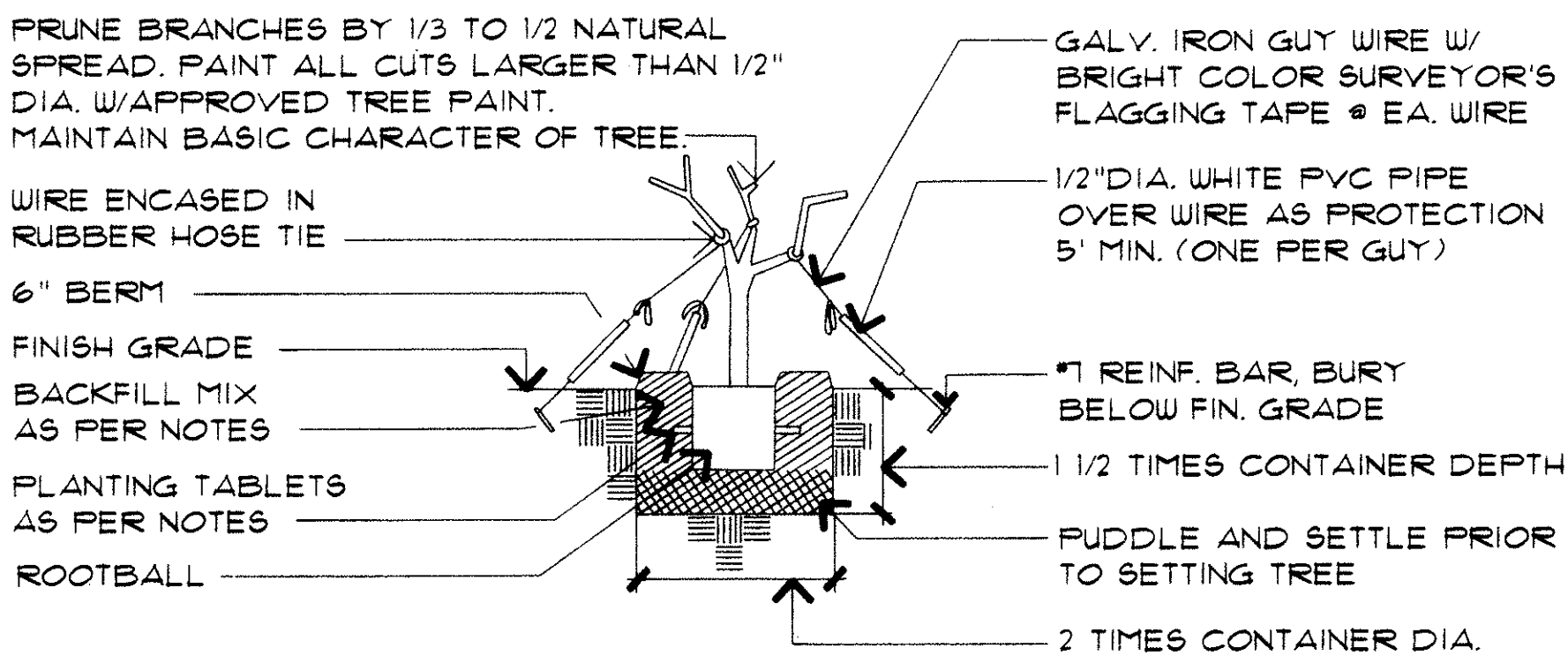
QUICK COUPLER VALVE DETAIL  
NOT TO SCALE



REMOTE CONTROL VALVE DETAIL  
NOT TO SCALE

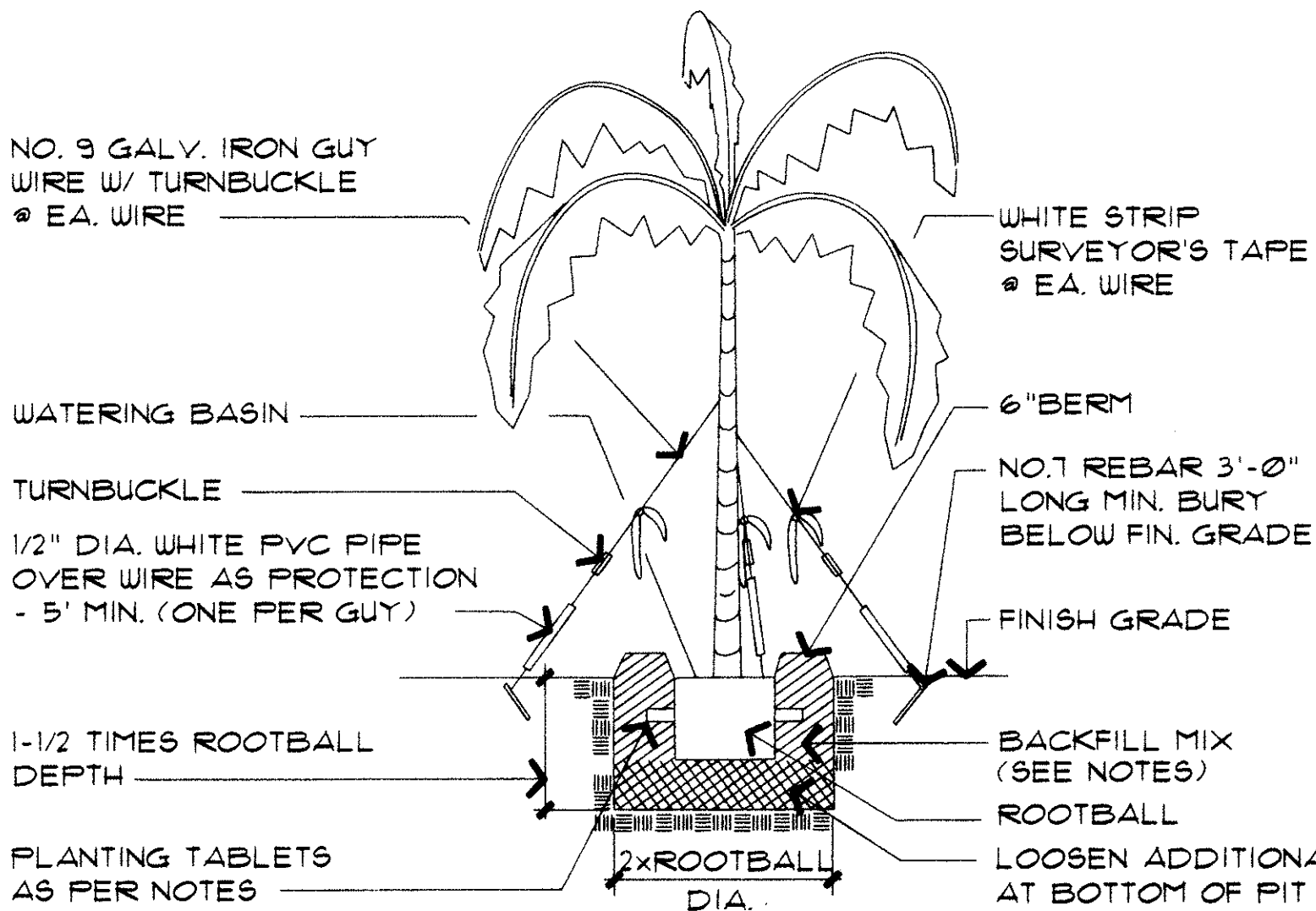
IRRIGATION NOTES:

- IRRIGATION SYSTEMS SHOWN ON THE DRAWINGS ARE DIAGRAMMATIC AND ARE SUBJECT TO ADJUSTMENTS DUE TO UNANTICIPATED FIELD CONDITIONS. UNLESS OTHERWISE NOTED, LOCATE ALL SPRINKLER HEADS, VALVES, AND PIPES WITHIN PLANTING AREAS.
- THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM STATIC WATER PRESSURE OF 55 PSI AT THE POINT OF CONNECTION. NOTIFY PROJECT ENGINEER IF PRESSURE IS LESS THAN 50 PSI OR GREATER THAN 100 PSI.
- CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF THE INSTALLATION OF ALL SLEEVES, CONDUITS, MAINS AND LATERALS UNDER PAVEMENT AND THROUGH WALLS AND SHALL ASSURE THAT THESE ITEMS ARE LAID PRIOR TO THE PLACEMENT OF PAVEMENT/WALL. STUB-OUTS AND CONDUITS RUNNING THROUGH THE BUILDING STRUCTURE WILL BE DONE BY OTHERS. ALL IRRIGATION WIRES SHALL BE BUNDLED AND INSTALLED UNDER THE IRRIGATION MAIN FOR IN-GRADE INSTALLATION. INSTALL IRRIGATION WIRES IN CONDUITS WHERE WIRES ARE NOT FOLLOWING THE IRRIGATION MAIN AND ALL ABOVE-GRADE INSTALLATIONS. VERIFY UTILITY LOCATIONS BEFORE TRENCHING. CONTRACTOR WILL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES.
- INSTALL SPRINKLER HEADS 6" AWAY FROM WALKWAYS, DRIVEWAYS AND STRUCTURES. FLEX RISERS SHALL BE USED ON ALL SHRUB HEADS ON RISERS INSTALLED ALONG WALKWAYS, DRIVEWAYS AND PARKING SPACES. ADJUST ALL SPRINKLER HEADS TO OBTAIN BEST COVERAGE. ADJUST FLOW CONTROL OF CONTROL VALVES TO MINIMIZE MISTING.
- THE CONTRACTOR, TOGETHER WITH THE STATE'S MAINTENANCE REPRESENTATIVE SHALL PROGRAM THE IRRIGATION CONTROLLER TO ACCOMMODATE THE LANDSCAPE AND SITE REQUIREMENTS, AND SHALL INSTRUCT THE REPRESENTATIVE ON THE OPERATION OF THE COMPLETE SYSTEM.

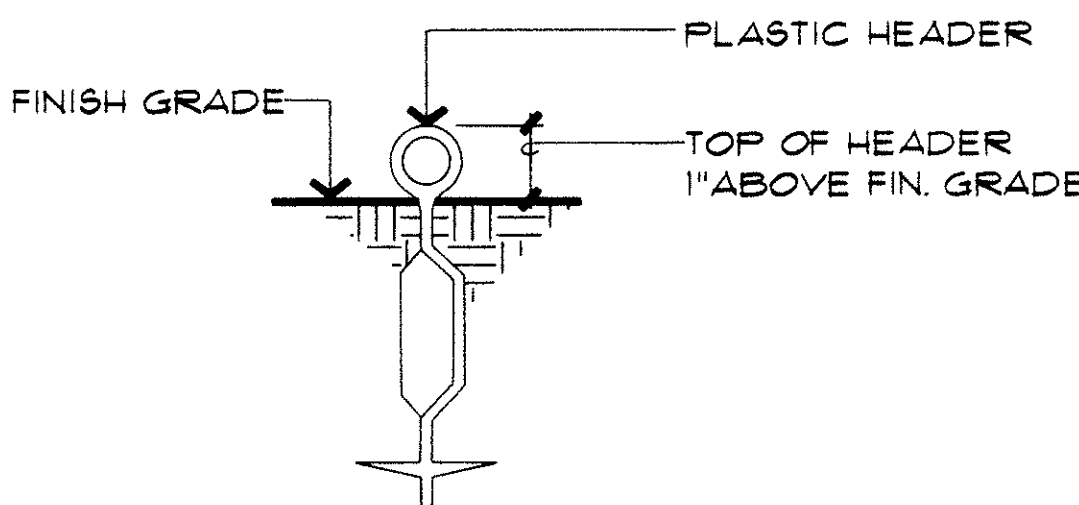


- NOTE:
- TURNBUCKLE EA. WIRE FOR FIELD STOCK TREES ONLY
  - GUY WIRE SIZES:  
#12 FOR 15 AND 25 GAL. TREES  
#9 FOR FIELD STOCK TREES
  - REBAR STAKE SIZES:  
#4x2'-0" LONG FOR 15 AND 25 GAL. TREES  
#1x3'-0" LONG FOR FIELD STOCK TREES

TREE RELOCATION DETAIL  
NOT TO SCALE



PALM PLANTING DETAIL  
NOT TO SCALE



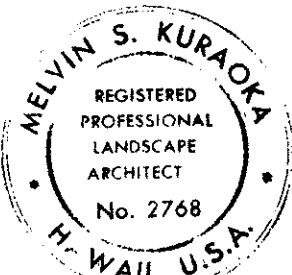
PLASTIC HEADER DETAIL  
NOT TO SCALE

PLANTING NOTES

- BACKFILL MIX SHALL CONSIST OF THREE (3) PARTS OF IMPORTED SCREENED SOIL TO ONE (1) PART ORGANIC SOIL AMENDMENTS (SEE SPECIFICATIONS). ADD ONE (1) POUND OF 10-30-10 FERTILIZER TO ONE (1) CUBIC YARD OF BACKFILL MIX. MIX THOROUGHLY ON PROJECT SITE PRIOR TO ANY PLANTING OPERATIONS.
- PLANTING TABLETS FOR TREES, PALMS, AND SHRUBS SHALL BE AS FOLLOWS:

A) FIELD SPECIMEN	12 TABLETS
B) 25 GALLON	8 TABLETS
C) 15 GALLON	5 TABLETS
D) 5 GALLON	3 TABLETS
E) 2-1/2 GALLON	2 TABLETS
F) 1 GALLON	1 TABLETS

USE AGRIFORM TABLETS 20-10-5, 21 GRAM SIZE



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**IRRIGATION EQUIPMENT LIST,  
PLANT LIST, DETAILS & NOTES**  
NIMITZ HIGHWAY  
TRAFFIC SIGNALS AT  
ALA KAWA STREET  
PROJECT NO. 92A-02-90  
SCALE: NONE DATE: JANUARY 1992  
SHEET L-2 OF 2 SHEETS