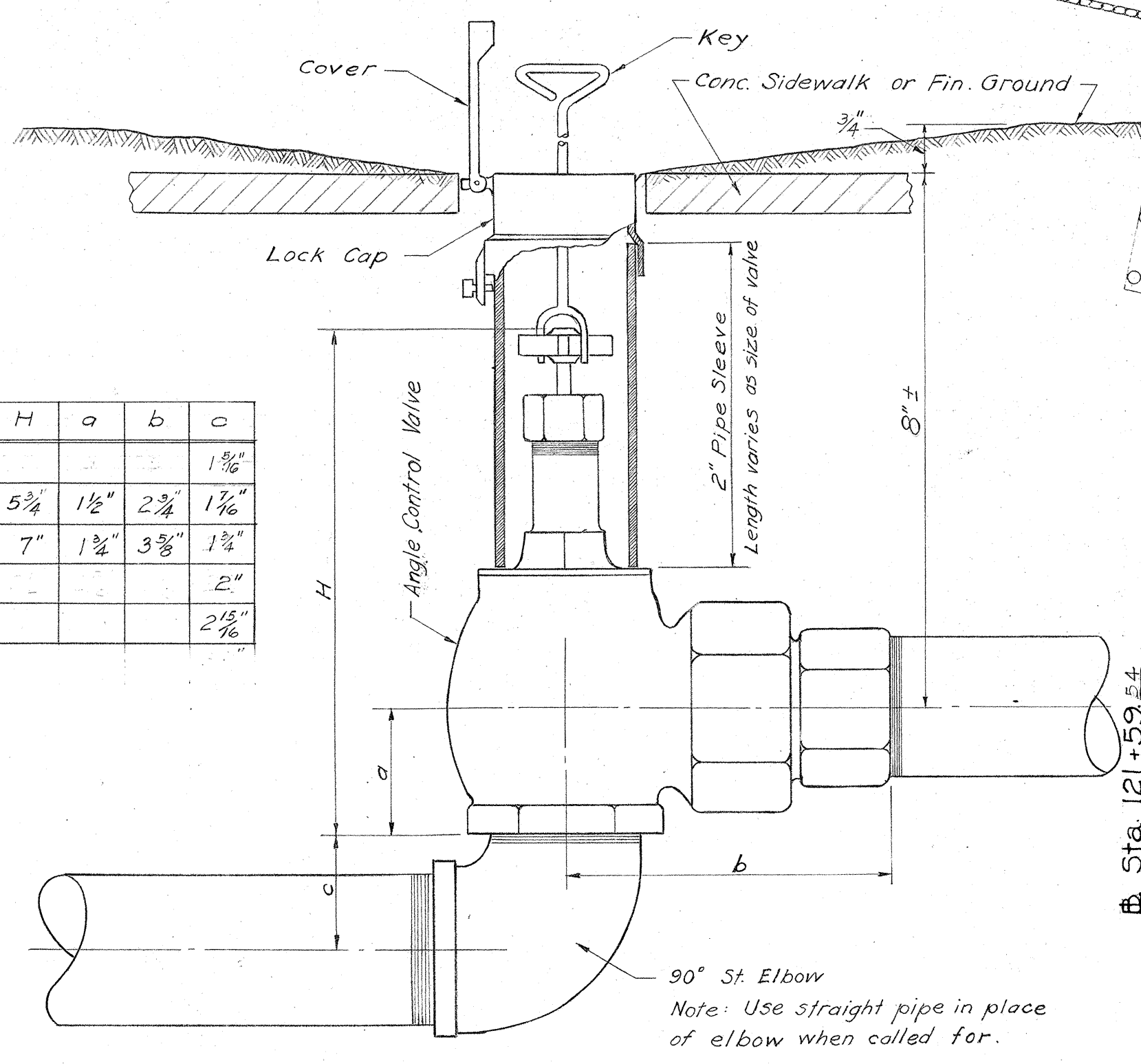
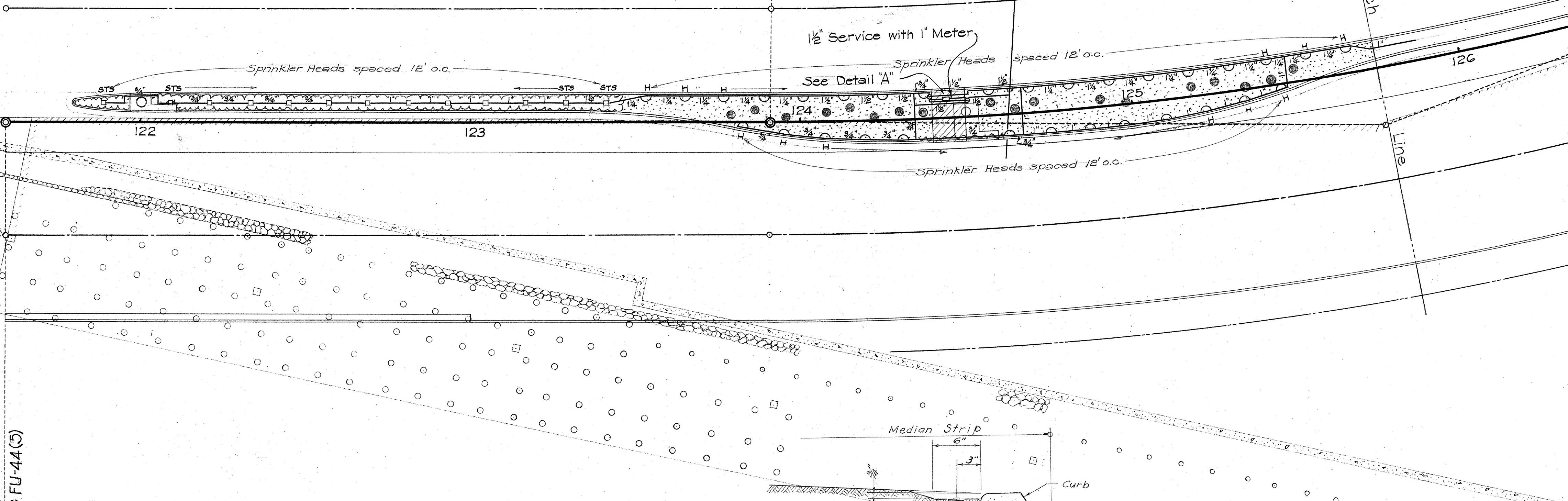
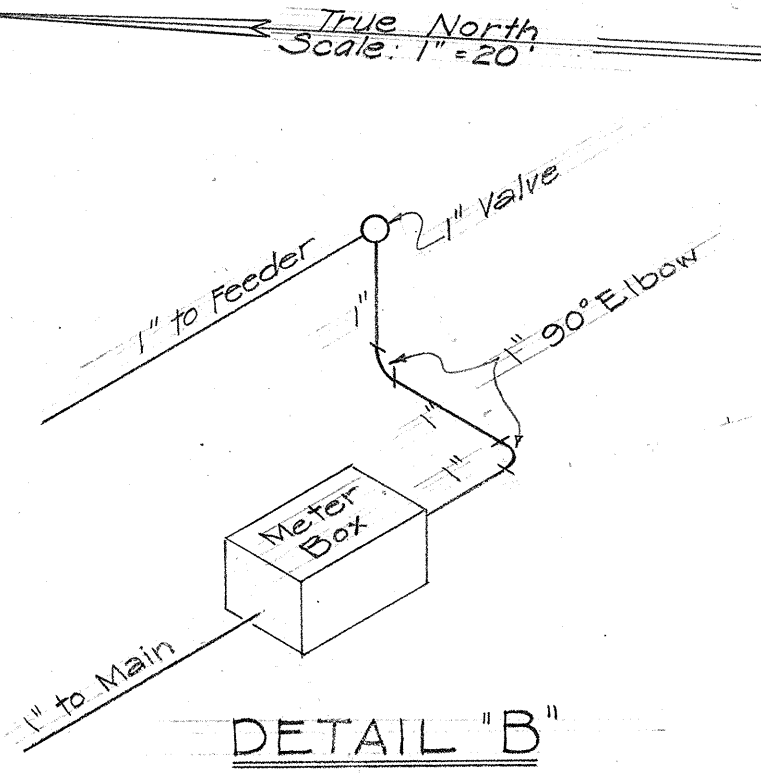
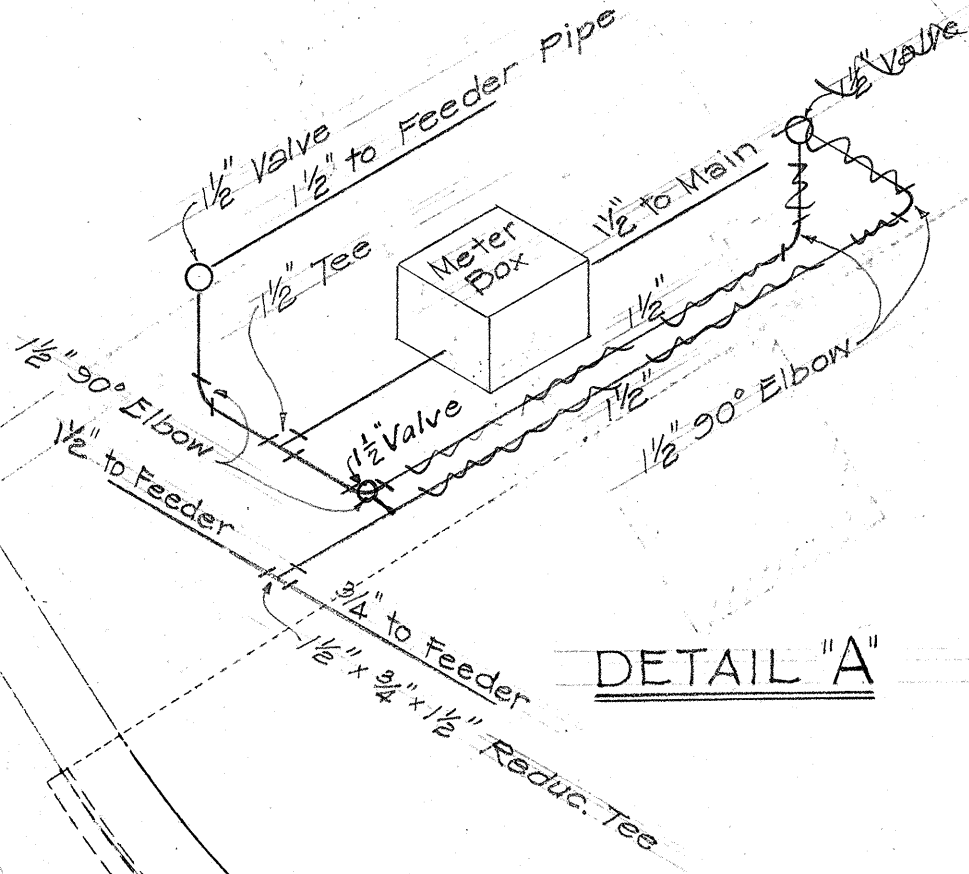


LEGEND

SYM'L	BOTANICAL NAME	COMMON NAME	SPACE	STOCK	NO.
	<i>Tristellateia-australasicae</i>	Ground Cover	4' Apart Staggered	1 Gal.	74 40
	<i>Cocos-nucifera</i>	Coconut (Transplanted)	As Shown (Moved)		15 10
	<i>Cynodon-dactylon</i>	Bermuda Grass	" "	5 Gal.	1920 3120 sf



Valve Size	H	a	b	c
3/4"				1 1/8"
1"	5 3/4"	1 1/2"	2 3/4"	1 3/8"
1 1/8"	7"	1 3/8"	3 3/8"	1 3/8"
1 1/2"				2"
2"				2 1/8"

SPRINKLER SYSTEM

- H - 1/2" Half Circle Sprinkler Head Lawn Type
- Q - 1/2" Quarter " " " " " "
- AH - 3/4" Half Circle " " " " " "
- AF - 3/4" Full " " " " " "
- HS - 1/2" Half " " Shrubbery Type
- STS - 1/2" Rectangular " " " " " "

GENERAL NOTES:
Meters and Meter Boxes shall be furnished and installed by the Board of Water Supply, City & County of Honolulu.
All pipes in pavement area shall have 2'-0" cover below pavement grade.

SECTION THROUGH FEEDER SHOWING SPRINKLER SYSTEM
Scale: 1 1/2" = 1'-0"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
LANDSCAPE PLAN
AND SPRINKLER SYSTEM
HONOLULU - PEARL HARBOR ROAD
QUEEN STREET SECTION
PROJECT NO. FU 44(5)
SCALE: 1" = 20'
JUNE 1950
SHEET No. / OF 5 SHEETS

THOMPSON & THOMPSON LANDSCAPE ARCHITECTS HONOLULU, HAWAII		
DRAWN BY:	CHECKED BY:	FILE NO.
DATE	DATE	

5483.27

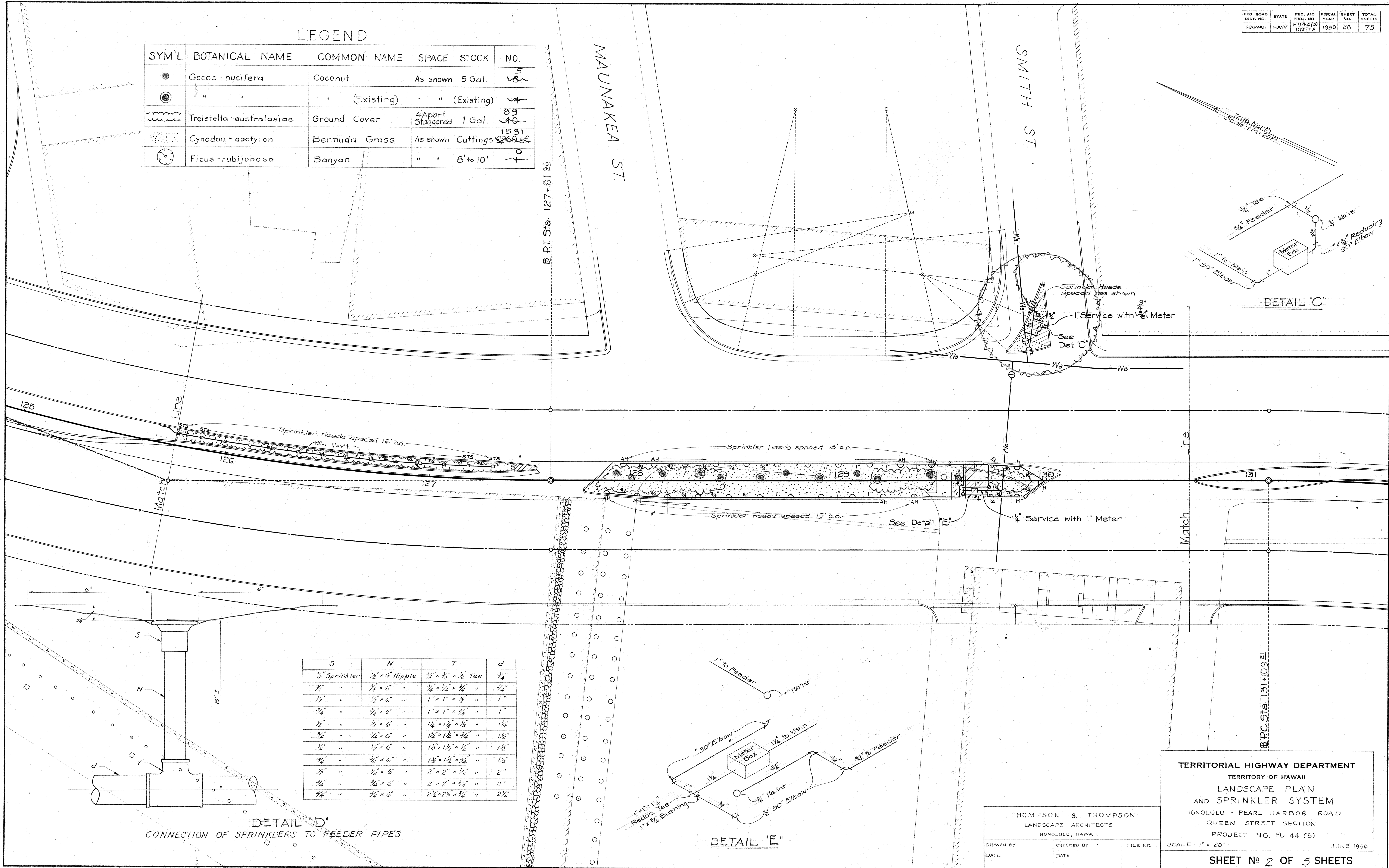
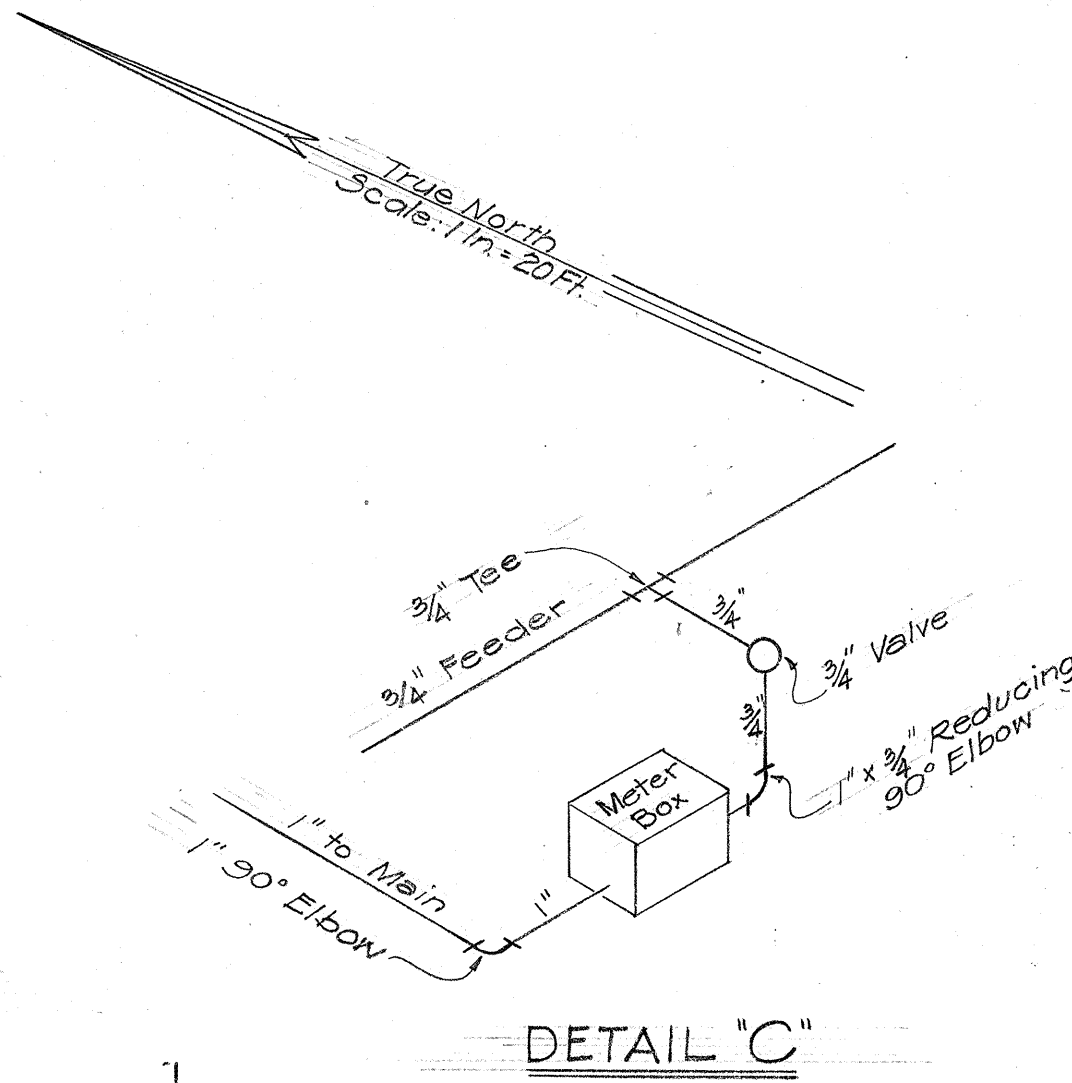
LEGEND

SYM'L	BOTANICAL NAME	COMMON NAME	SPACE	STOCK	NO.
	Gocos - nucifera	Coconut	As shown	5 Gal.	5
	" "	" (Existing)	" "	(Existing)	4
	Treistella - australasiae	Ground Cover	4 Apart Staggered	1 Gal.	89
	Cynodon - dactylon	Bermuda Grass	As shown	Cuttings	1531
	Ficus - rubijonosa	Banyan	" "	8' to 10'	10

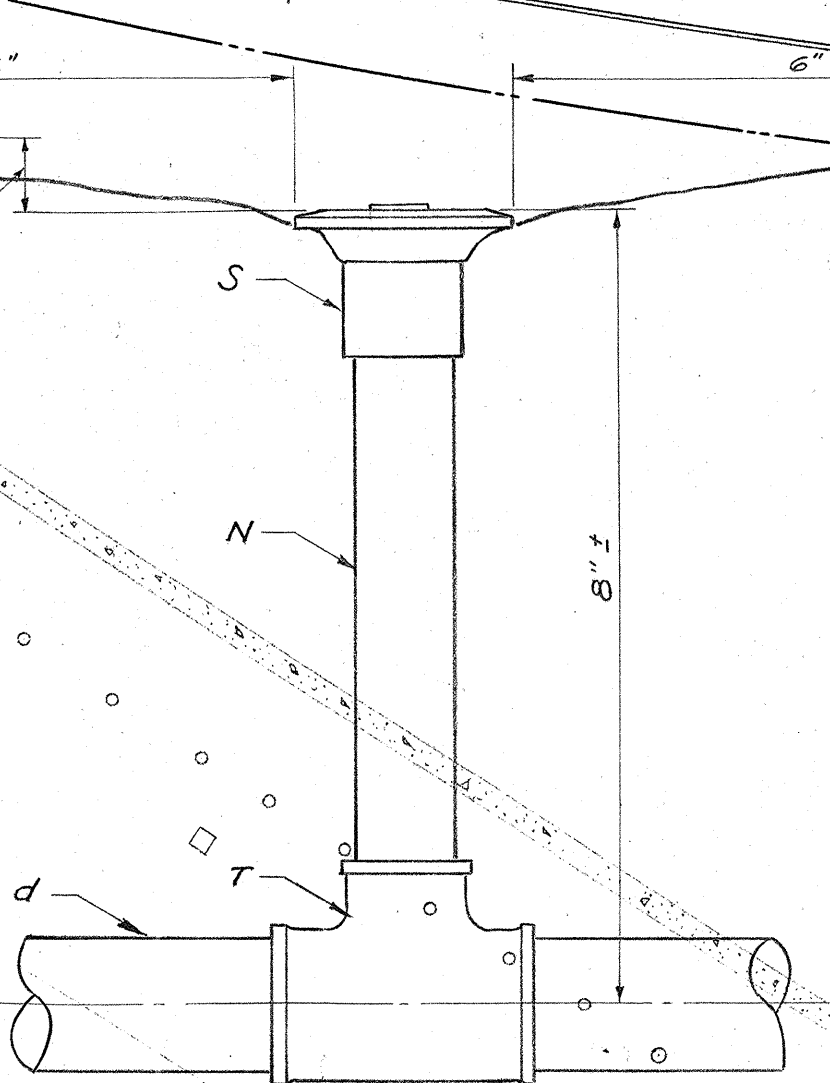
B.P.T. Sta. 127+61.26

MAUNAKEA ST.

SMITH ST.

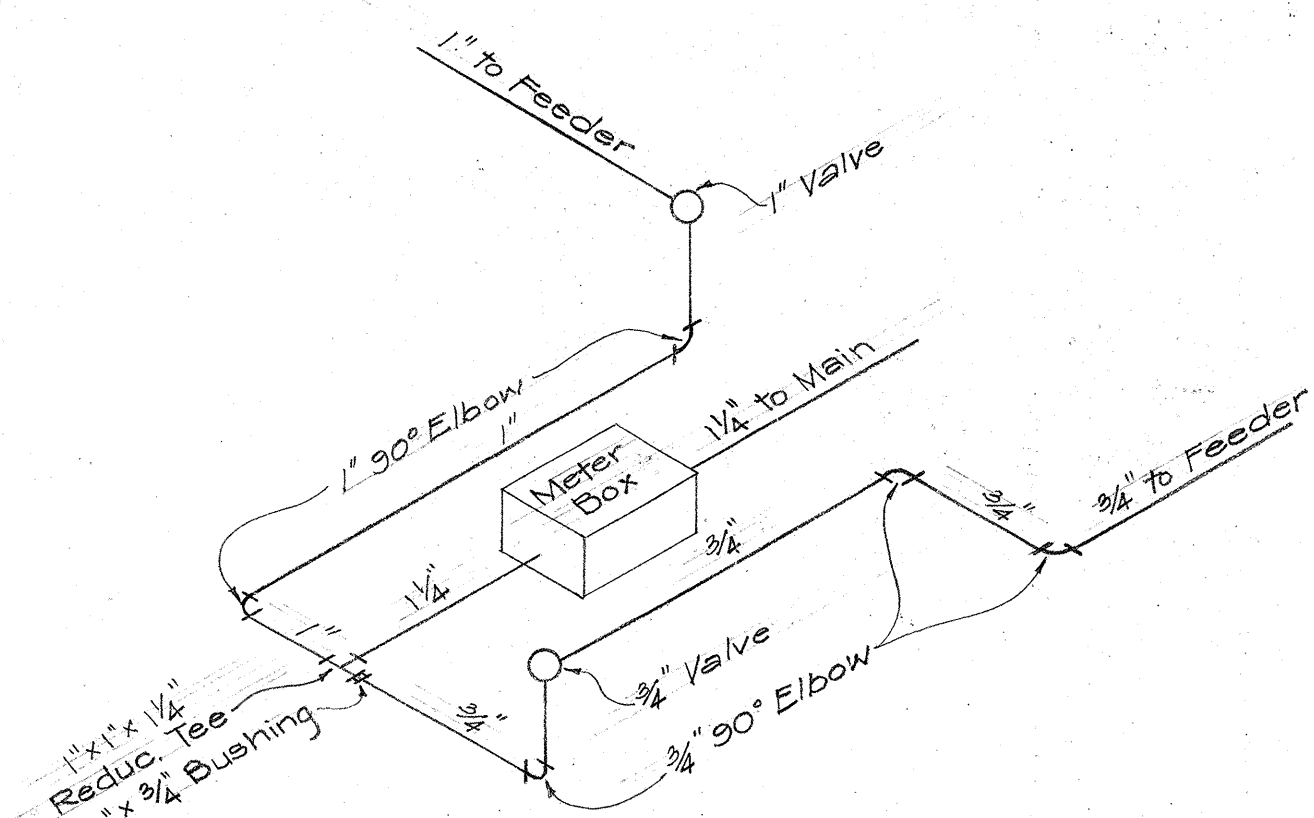


SURVEY PLOTTED BY: _____ DATE: _____
 DESIGNED BY: _____
 TRACED BY: _____
 QUANTITIES CHECKED BY: _____
 CHECKED BY: _____
 ORIGINAL PLAN: _____
 NOTE BOOK: _____
 No. _____



DETAIL "D"
CONNECTION OF SPRINKLERS TO FEEDER PIPES

S	N	T	d
1/2" Sprinkler	1/2" x 6" Nipple	3/4" x 3/4" x 1/2" Tee	3/4"
3/4" "	3/4" x 6" "	3/4" x 3/4" x 3/4" "	3/4"
1/2" "	1/2" x 6" "	1" x 1" x 1/2" "	1"
3/4" "	3/4" x 6" "	1" x 1" x 3/4" "	1"
1/2" "	1/2" x 6" "	1 1/2" x 1 1/4" x 1/2" "	1 1/4"
3/4" "	3/4" x 6" "	1 1/2" x 1 1/4" x 3/4" "	1 1/4"
1/2" "	1/2" x 6" "	1 1/2" x 1 1/2" x 1/2" "	1 1/2"
3/4" "	3/4" x 6" "	1 1/2" x 1 1/2" x 3/4" "	1 1/2"
1/2" "	1/2" x 6" "	2" x 2" x 1/2" "	2"
3/4" "	3/4" x 6" "	2" x 2" x 3/4" "	2"
3/4" "	3/4" x 6" "	2 1/2" x 2 1/2" x 3/4" "	2 1/2"



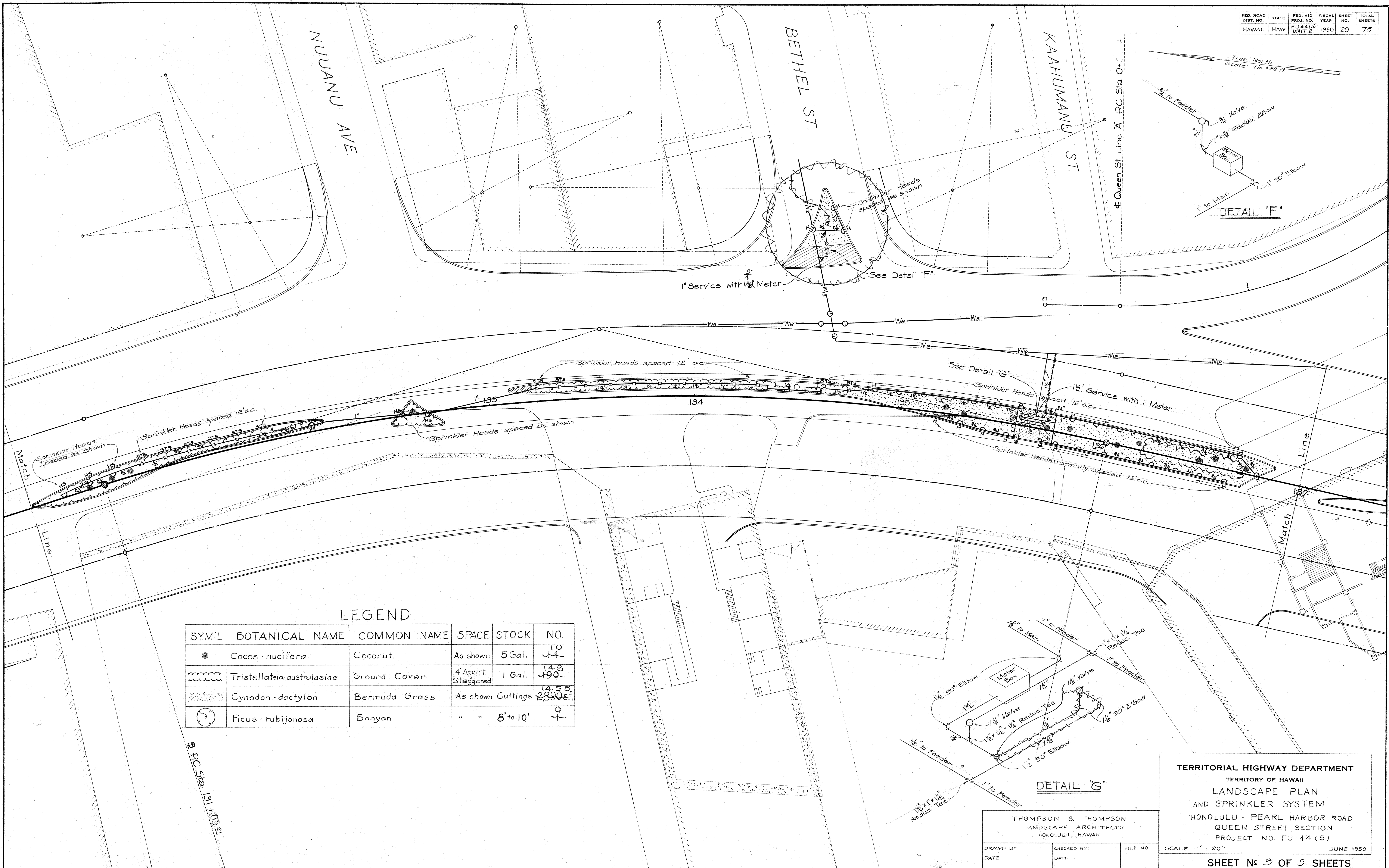
TERRITORIAL HIGHWAY DEPARTMENT
 TERRITORY OF HAWAII
 LANDSCAPE PLAN
 AND SPRINKLER SYSTEM

HONOLULU - PEARL HARBOR ROAD
 QUEEN STREET SECTION
 PROJECT NO. FU 44 (5)

SCALE: 1" = 20' JUNE 1950

SHEET No 2 OF 5 SHEETS

5483.28



TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
LANDSCAPE PLAN
AND SPRINKLER SYSTEM
HONOLULU - PEARL HARBOR ROAD
QUEEN STREET SECTION
PROJECT NO. FU 44 (5)
SCALE: 1" = 20'
JUNE 1950

SHEET No. 29 OF 5 SHEETS

THOMPSON & THOMPSON
LANDSCAPE ARCHITECTS
HONOLULU, HAWAII

DRAWN BY:	CHECKED BY:	FILE NO.
DATE	DATE	

LEGEND					
SYM'L	BOTANICAL NAME	COMMON NAME	SPACE	STOCK	NO.
●	Cocos - nucifera	Coconut	As shown	5 Gal.	10
~~~~~	Tristellateia-australasiae	Ground Cover	4' Apart Staggered	1 Gal.	148
	Cynodon - dactylon	Bermuda Grass	As shown	Cuttings	1455
⊙	Ficus - rubijonosa	Banyan	" "	8' to 10'	10

SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
QUANTITIES CHECKED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	

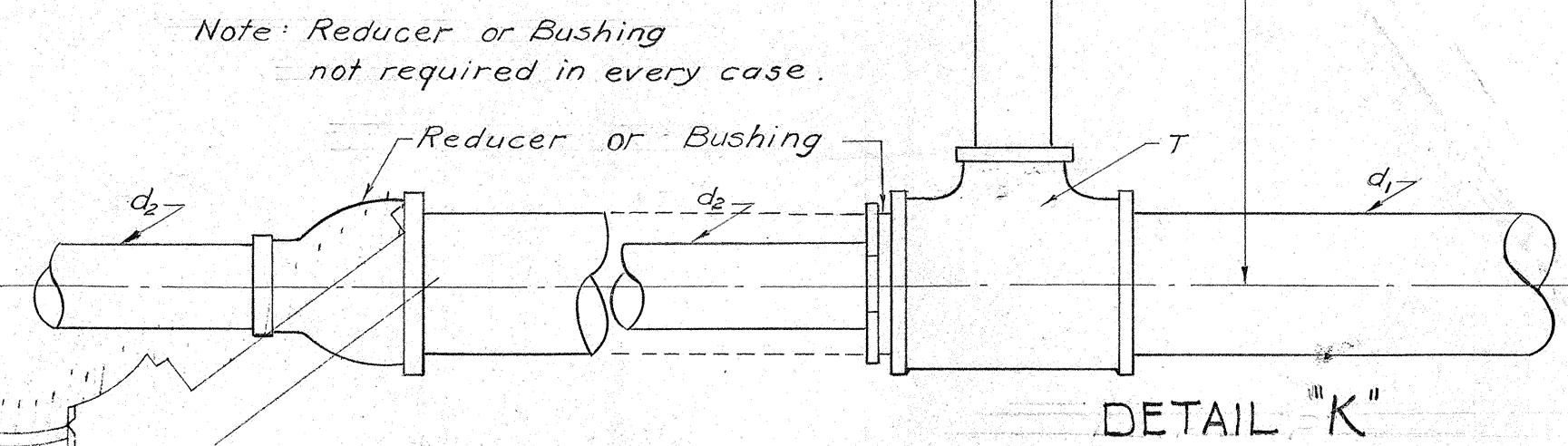
5483.29



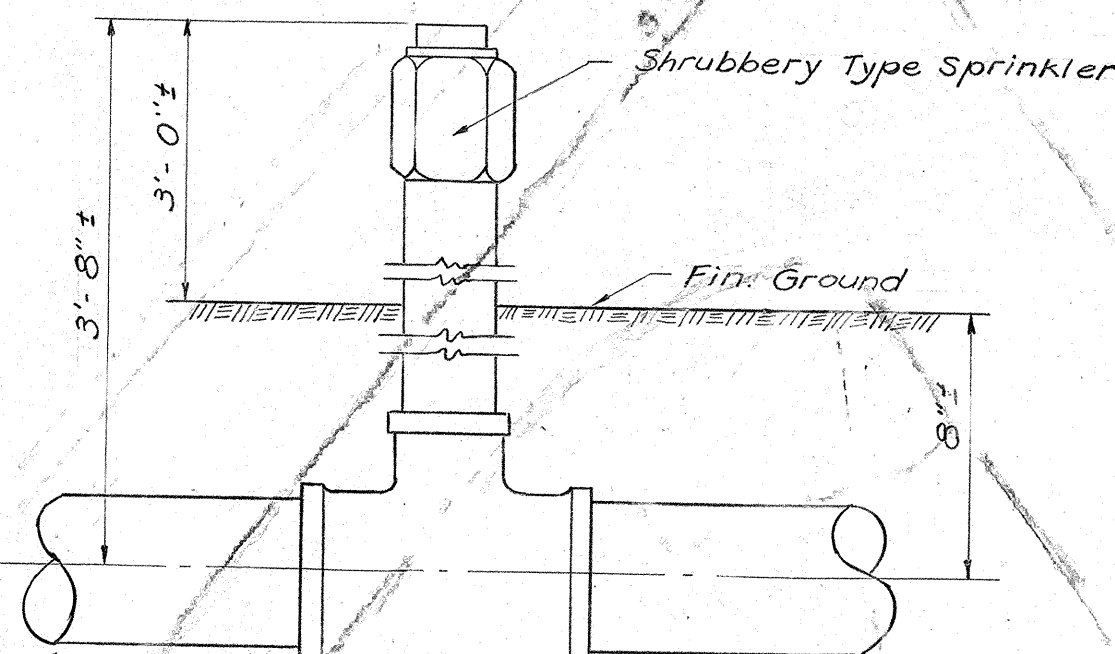
NOTE:  
See Sht. No. 5483.30A  
for Revised Plan of  
Sprinkler System.  
Revised August 1951.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	FU 44 (5)	UNIT 2	1950	30
				75	

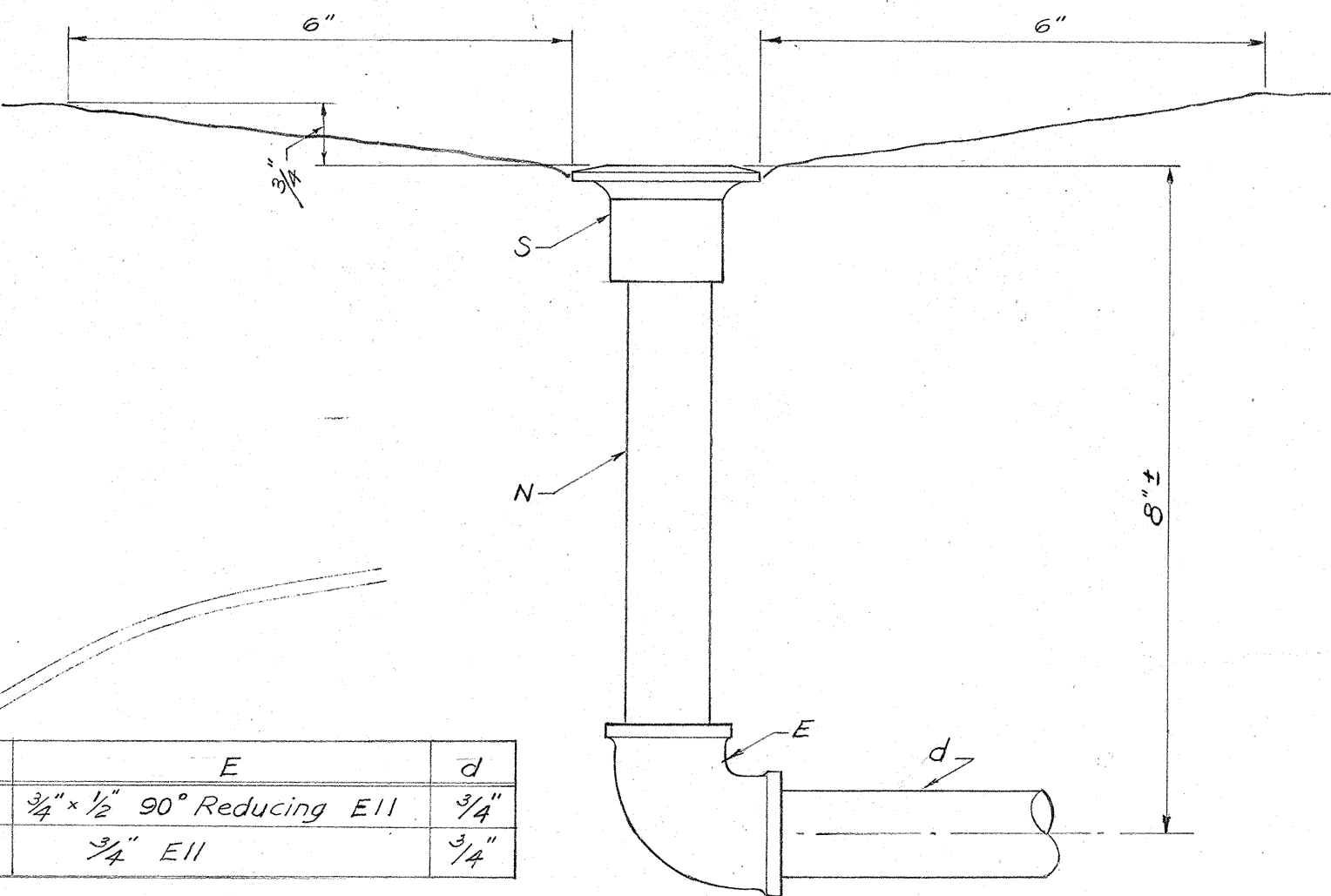
d ₁	d ₂	d ₃	Remark	T
1"	3/4"	1/2"		1" x 3/4" x 1/2"
1 1/4"	1"	3/4"		1 1/4" x 1" x 3/4"
1 1/2"	1 1/4"	1 1/2"		1 1/2" x 1 1/4" x 1 1/2"
2"	1 1/2"	3/4"	2" x 1 1/2" Bushing	2" x 2" x 3/4"
2 1/2"	2"	3/4"	2 1/2" x 2" Reducer	2 1/2" x 2 1/2" x 3/4"



DETAIL "K"  
CONNECTION OF A LARGE PIPE, A SMALLER PIPE AND SPRINKLER HEAD

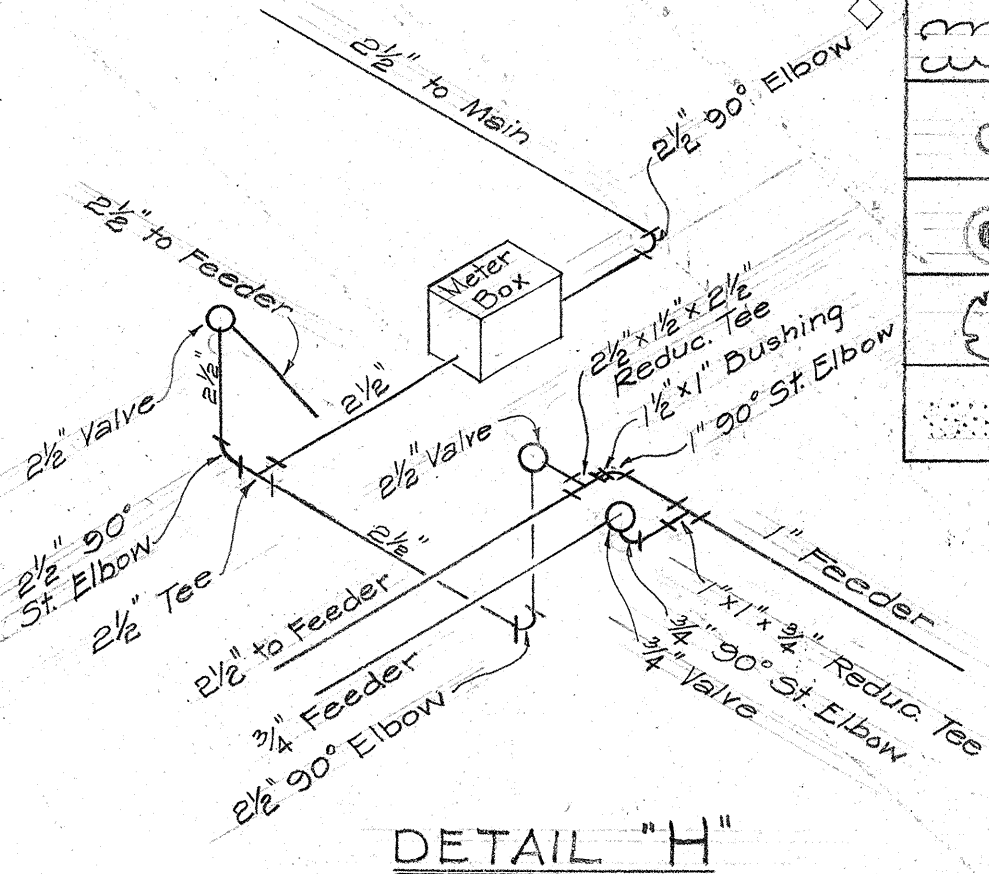


DETAIL "L"  
CONNECTION OF SHRUBBERY TYPE SPRINKLER HEADS TO FEEDER PIPES  
NOTE: Same as in Detail "D" except the nipple is replaced with a piece of pipe 3'-6" long and of the same diameter as the sprinkler head.

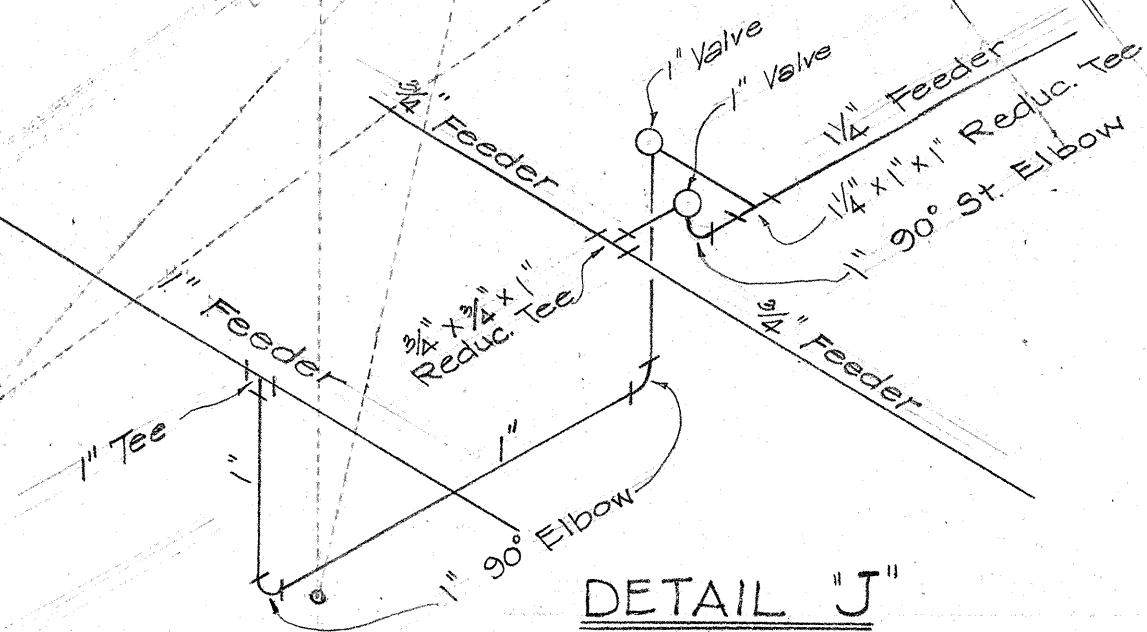


DETAIL "M"  
CONNECTION OF SPRINKLER HEADS AT ENDS OF PIPES

SYM'L	BOTANICAL NAME	COMMON NAME	SPACE	STOCK	NO.
~	Tristellateia-australasica	Ground Cover	4' Apart Staggered	1 Gal.	48
○	Coccos-nucifera	Coconut (Transplanted)	As Shown	1 Gal. (Moved)	11
●	"	" (Existing)	As Shown	(Existing)	15
⊙	Ficus-rubijonosa	Banyan	As Shown	8' to 10'	3
⊞	Cynodon-dactylon	Bermuda Grass	As Shown	Cuttings	19232 7090sf



DETAIL "H"



DETAIL "J"

THOMPSON & THOMPSON  
LANDSCAPE ARCHITECTS  
HONOLULU, HAWAII

DRAWN BY: _____  
DATE _____

CHECKED BY: _____  
DATE _____

FILE NO. _____

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
LANDSCAPE PLAN  
AND SPRINKLER SYSTEM  
HONOLULU - PEARL HARBOR ROAD  
QUEEN STREET SECTION  
PROJECT NO. FU 44 (5)

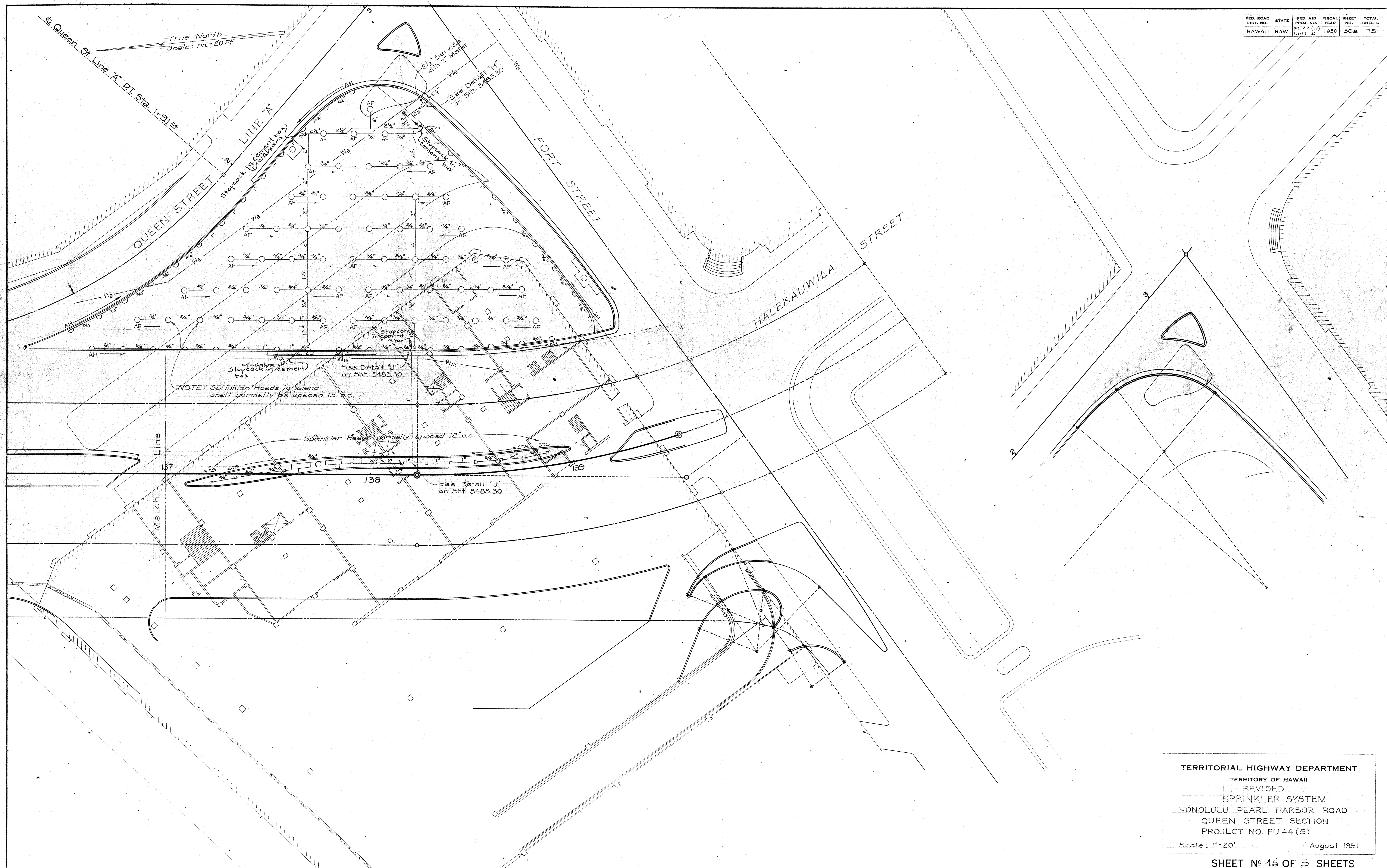
SCALE: 1" = 20' JUNE 1950

SHEET No 4 OF 5 SHEETS

5483.30



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	FU 44(5) Unit 2	1950	30a	75



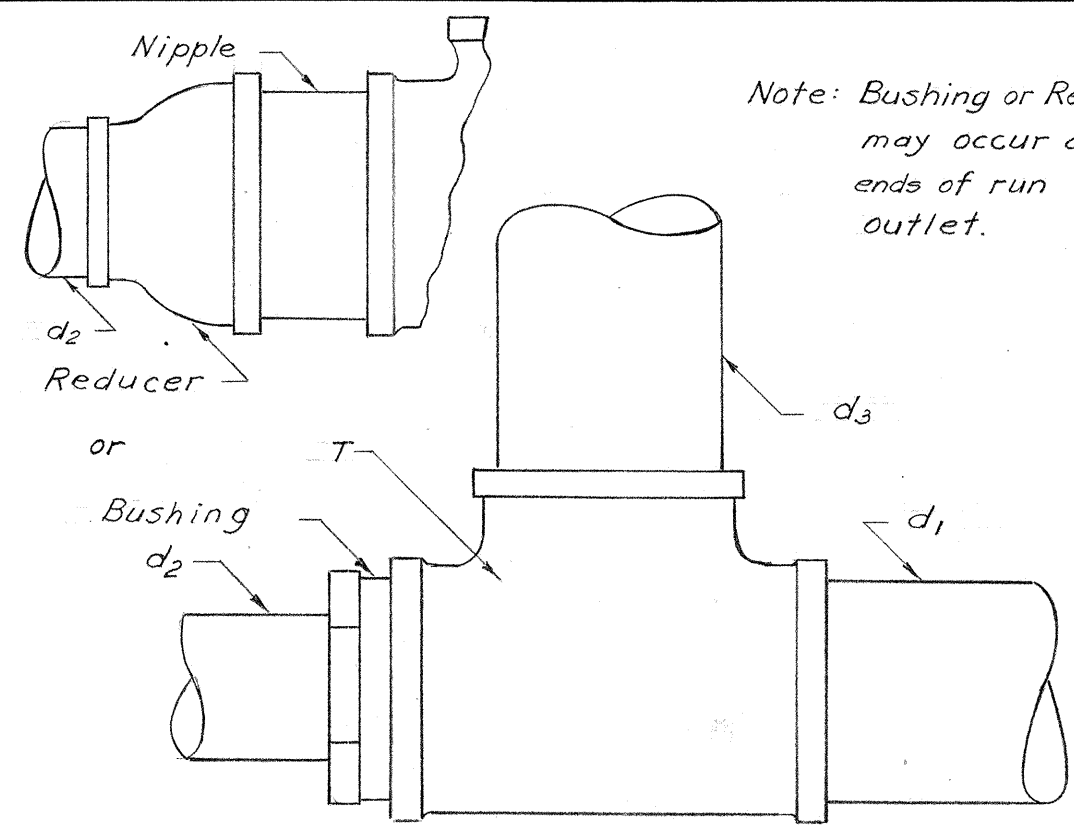
ORIGINAL	SURVEY PLOTTED BY .....	DATE .....
PLAN	DESIGNED BY .....	.....
	DRAWN BY .....	.....
	.....	.....
	QUANTITIES BY .....	.....
	TRACED BY .....	.....
	QUANTITIES CHECKED BY .....	.....
	CHECKED BY .....	.....
NOTE BOOK		
No.		

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
REVISED  
SPRINKLER SYSTEM  
HONOLULU - PEARL HARBOR ROAD  
QUEEN STREET SECTION  
PROJECT NO. FU 44 (B)  
Scale: 1"=20' August 1951

SHEET No 4~~8~~ OF 5 SHEETS

5483.30A

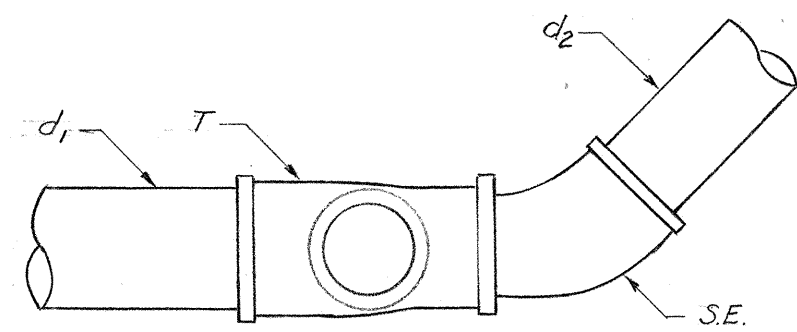




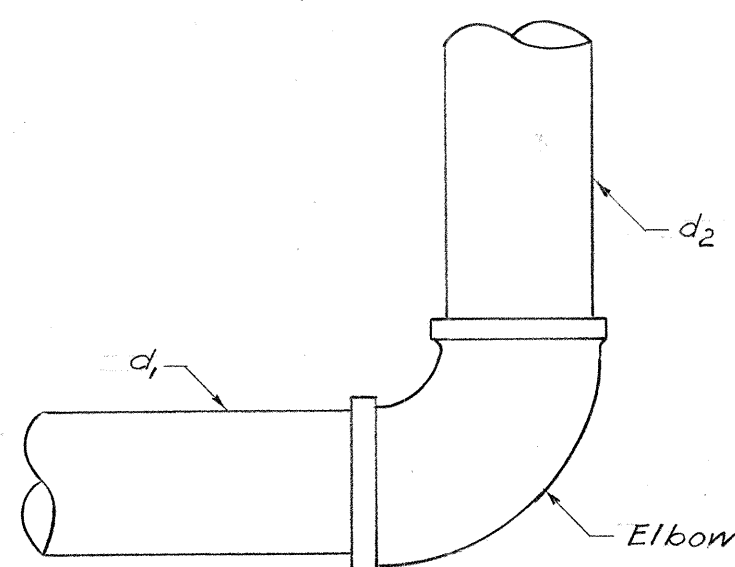
DETAIL "N"  
CONNECTION OF THREE PIPES

$d_1$	$d_2$	$d_3$	Bushing	T
$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "		$\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{3}{4}$ "
$\frac{3}{4}$ "	$\frac{3}{4}$ "	1"		$\frac{3}{4}$ " x $\frac{3}{4}$ " x 1"
1"	1"	1"		1"
1"	$\frac{3}{4}$ "	1"		1" x $\frac{3}{4}$ " x 1"
1"	$\frac{3}{4}$ "	$1\frac{1}{4}$ "	1" x $\frac{3}{4}$ "	1" x 1" x $1\frac{1}{4}$ "
1"	1"	$\frac{3}{4}$ "		1" x 1" x $\frac{3}{4}$ "
1"	1"	$1\frac{1}{4}$ "		1" x 1" x $1\frac{1}{4}$ "
$1\frac{1}{4}$ "	1"	1"		$1\frac{1}{4}$ " x 1" x 1"
$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	1"		$1\frac{1}{2}$ " x $1\frac{1}{2}$ " x 1"
$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "		$1\frac{1}{2}$ "
$1\frac{1}{2}$ "	$\frac{3}{4}$ "	$1\frac{1}{2}$ "		$1\frac{1}{2}$ " x $\frac{3}{4}$ " x $1\frac{1}{2}$ "
$1\frac{1}{2}$ "	1"	$1\frac{1}{2}$ "		$1\frac{1}{2}$ " x 1" x $1\frac{1}{2}$ "
$1\frac{1}{2}$ "	$1\frac{1}{4}$ "	1"		$1\frac{1}{2}$ " x $1\frac{1}{4}$ " x 1"
$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	$1\frac{1}{4}$ "		$1\frac{1}{2}$ " x $1\frac{1}{2}$ " x $1\frac{1}{4}$ "
2"	2"	$\frac{3}{4}$ "		2" x 2" x $\frac{3}{4}$ "
2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "		2 $\frac{1}{2}$ "
2 $\frac{1}{2}$ "	1"	2 $\frac{1}{2}$ "	$1\frac{1}{2}$ " x 1"	2 $\frac{1}{2}$ " x $1\frac{1}{2}$ " x 2 $\frac{1}{2}$ "
2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	$\frac{3}{4}$ "	1" x $\frac{3}{4}$ "	2 $\frac{1}{2}$ " x 2 $\frac{1}{2}$ " x 1"

$d_1$	$d_2$	T	S.E.
$1\frac{1}{4}$ "	1"	$1\frac{1}{4}$ " x 1" x $\frac{3}{4}$ " $1\frac{1}{4}$ " x 1" x $\frac{1}{2}$ "	1
$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{3}{4}$ " $\frac{3}{4}$ " x $\frac{3}{4}$ " x $\frac{1}{2}$ "	$\frac{3}{4}$ "
1"	$\frac{3}{4}$ "	1" x $\frac{3}{4}$ " x $\frac{3}{4}$ " 1" x $\frac{3}{4}$ " x $\frac{1}{2}$ "	$\frac{3}{4}$ "
1"	1"	1" x 1" x $\frac{3}{4}$ " 1" x 1" x $\frac{1}{2}$ "	1"



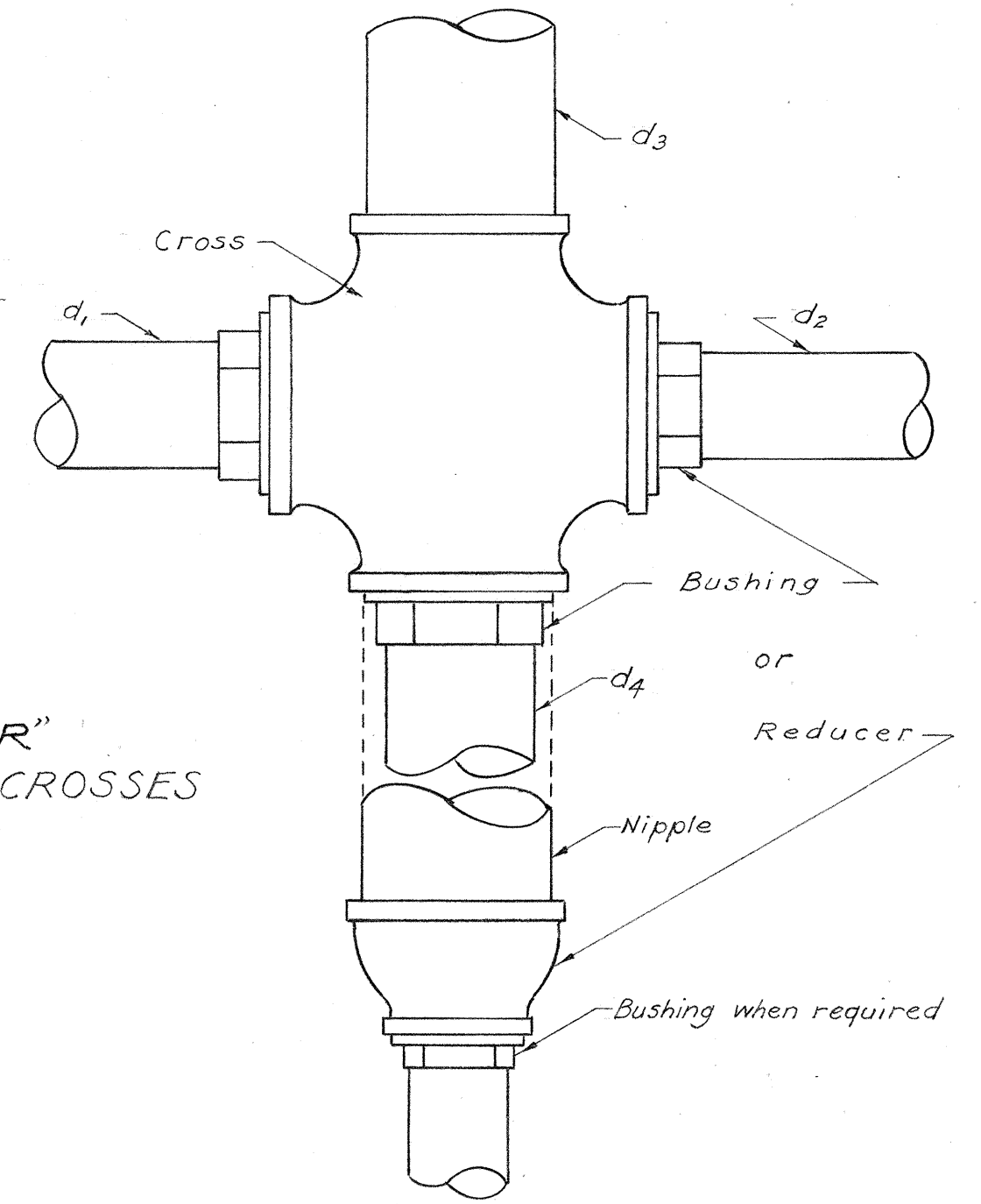
DETAIL "P"  
CONNECTION AT 45° BEND



DETAIL "Q"  
CONNECTION AT 90° BENDS

$d_1$	$d_2$	90° Elbow
$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "
1"	1"	1"
$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "
$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "
2"	2"	2"
2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "
3"	3"	3"
4"	4"	4"

$d_1$	$d_2$	$d_3$	$d_4$	Cross	Bushing	Reducer
$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "		
$\frac{3}{4}$ "	$\frac{3}{4}$ "	$\frac{3}{4}$ "	1"	1"	3" - 1" x $\frac{3}{4}$ "	
$\frac{3}{4}$ "	$\frac{3}{4}$ "	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	$1\frac{1}{2}$ "	1 - $1\frac{1}{2}$ " x $1\frac{1}{4}$ " 2 - $1\frac{1}{2}$ " x $\frac{3}{4}$ "	
$\frac{3}{4}$ "	$\frac{3}{4}$ "	$1\frac{1}{2}$ "	2"	2"	1 - 2" x $1\frac{1}{2}$ " 2 - 2" x $\frac{3}{4}$ "	
$\frac{3}{4}$ "	$\frac{3}{4}$ "	2"	2"	2"	2 - 2" x $\frac{3}{4}$ "	
$\frac{3}{4}$ "	$\frac{3}{4}$ "	2"	2 $\frac{1}{2}$ "	2 $\frac{1}{2}$ "	2 - 1" x $\frac{3}{4}$ "	1 - 2 $\frac{1}{2}$ " x 2" 2 - 2 $\frac{1}{2}$ " x 1"
$\frac{3}{4}$ "	1"	1"	$1\frac{1}{4}$ "	$1\frac{1}{4}$ "	2 - $1\frac{1}{4}$ " x 1" 1 - $1\frac{1}{4}$ " x $\frac{3}{4}$ "	



DETAIL "R"  
CONNECTION AT CROSSES

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	FU 44(5) UNIT 2	1950	31	75

TERRITORIAL HIGHWAY DEPARTMENT  
TERRITORY OF HAWAII  
DETAILS OF PIPE CONNECTIONS  
FOR SPRINKLER SYSTEM  
HONOLULU - PEARL HARBOR ROAD  
QUEEN STREET SECTION  
PROJECT NO. FU 44(5)  
NO SCALE  
JUNE 1950

SHEET NO. 5 OF 5 SHEETS

5483.31

ORIGINAL PLAN	DESIGNED BY	DATE
NOTE BOOK	TRACED BY	"
QUANTITIES BY	CHECKED BY	"
NO.	CHECKED BY	"