

LEGEND

Symbol	Botanical Name	Common Name	Quantity
	SCAEVOLA - FRUTESCENS	NAUPAKA	725
	GYNODON - DACTYLON	BERMUDA GRASS	13,251 s.f.
	BOUGAINVILLEA - GLABRA	BOUGAINVILLEA	50
	COCOS - NUCIFERA	COCONUTS	46

Note: Cocos & Bougainvillea shall be spaced as shown.
Bougainvillea planted 10' o.c.

DETAIL "A"

DETAIL "B"

TYPICAL SECTION

BEGINNING OF PROJECT NO. U44(9)
Sta. 67 + 94.27

EXISTING
ALA MOANA BRIDGE

GENERAL NOTES:

Meters and Meter Boxes to be furnished and installed by the Board of Water Supply, City and County of Honolulu, T.H.

All pipes in pavement area shall have 2'-0" cover below pavement grade.

All Stopcocks to be installed in concrete boxes. See detail in Sheet 5420.28.

SPRINKLER SYSTEM

F	1/2"	Full Circle
H	"	Half Circle
Q	"	Quarter Circle
FS	"	Shrubbery Full
HS	"	Shrubbery Half
AF	3/4"	Full Circle
AH	"	Half Circle
AQ	"	Quarter Circle
AFS	"	Shrubbery Full
AHS	"	Shrubbery Half

DETAIL "C"

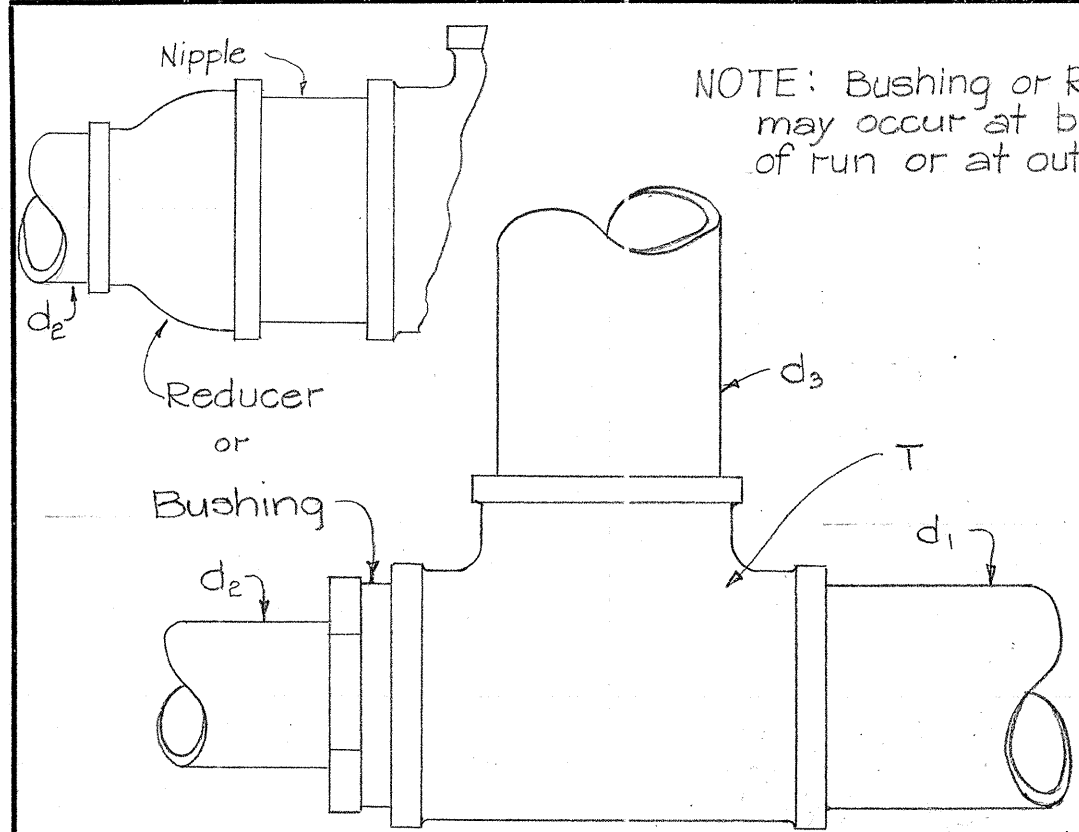
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
LANDSCAPE PLAN
AND SPRINKLER SYSTEM
HONOLULU—PEARL HARBOR ROAD
ALA MOANA BRIDGE TO KALAKAUA AVE.

PROJECT NO. U 44(9)

SCALE: 1"=20' DECEMBER 1949

SHEET No. 1 OF 6 SHEETS

5420.26

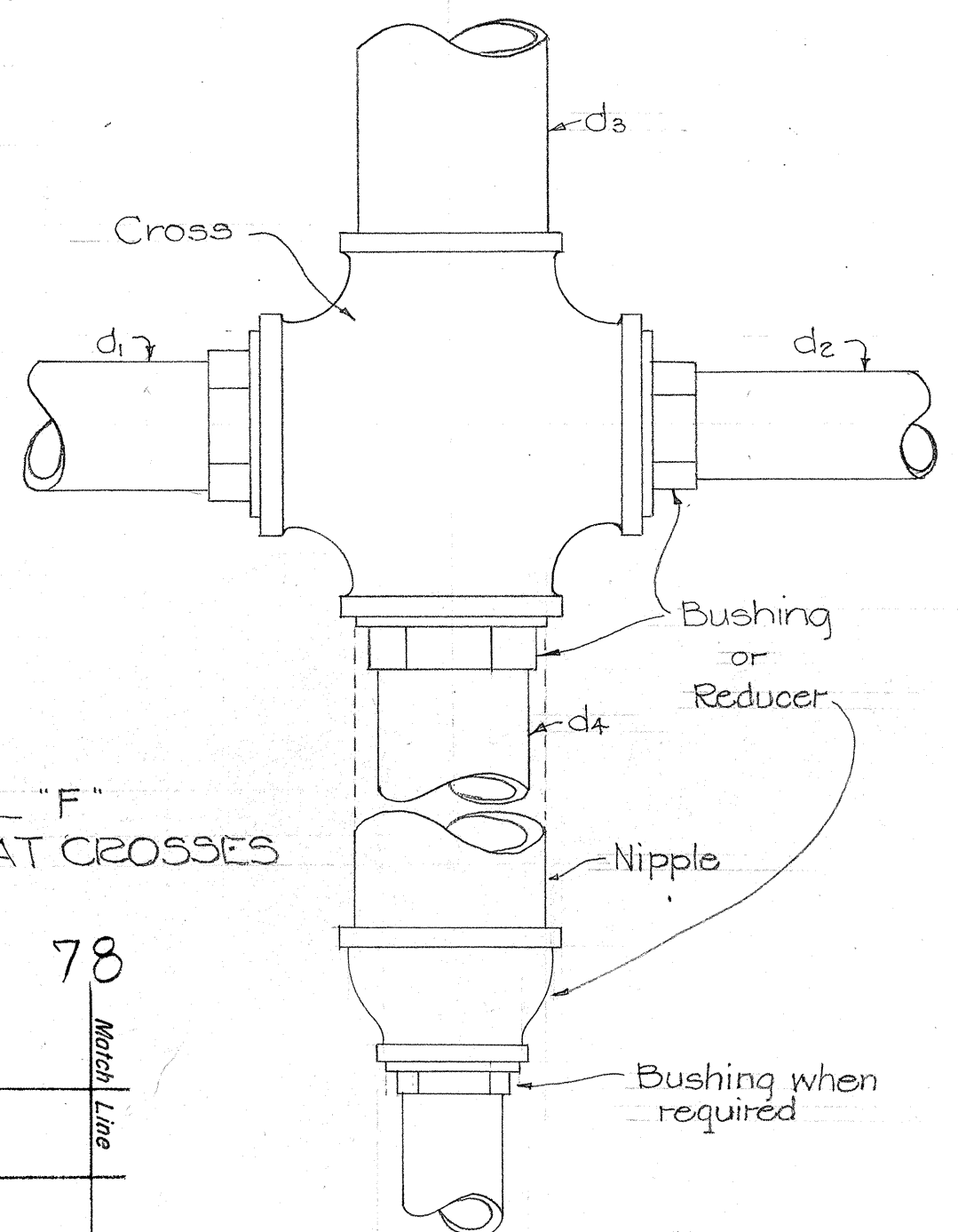


NOTE: Bushing or Reducer may occur at both ends of run or at outlet.

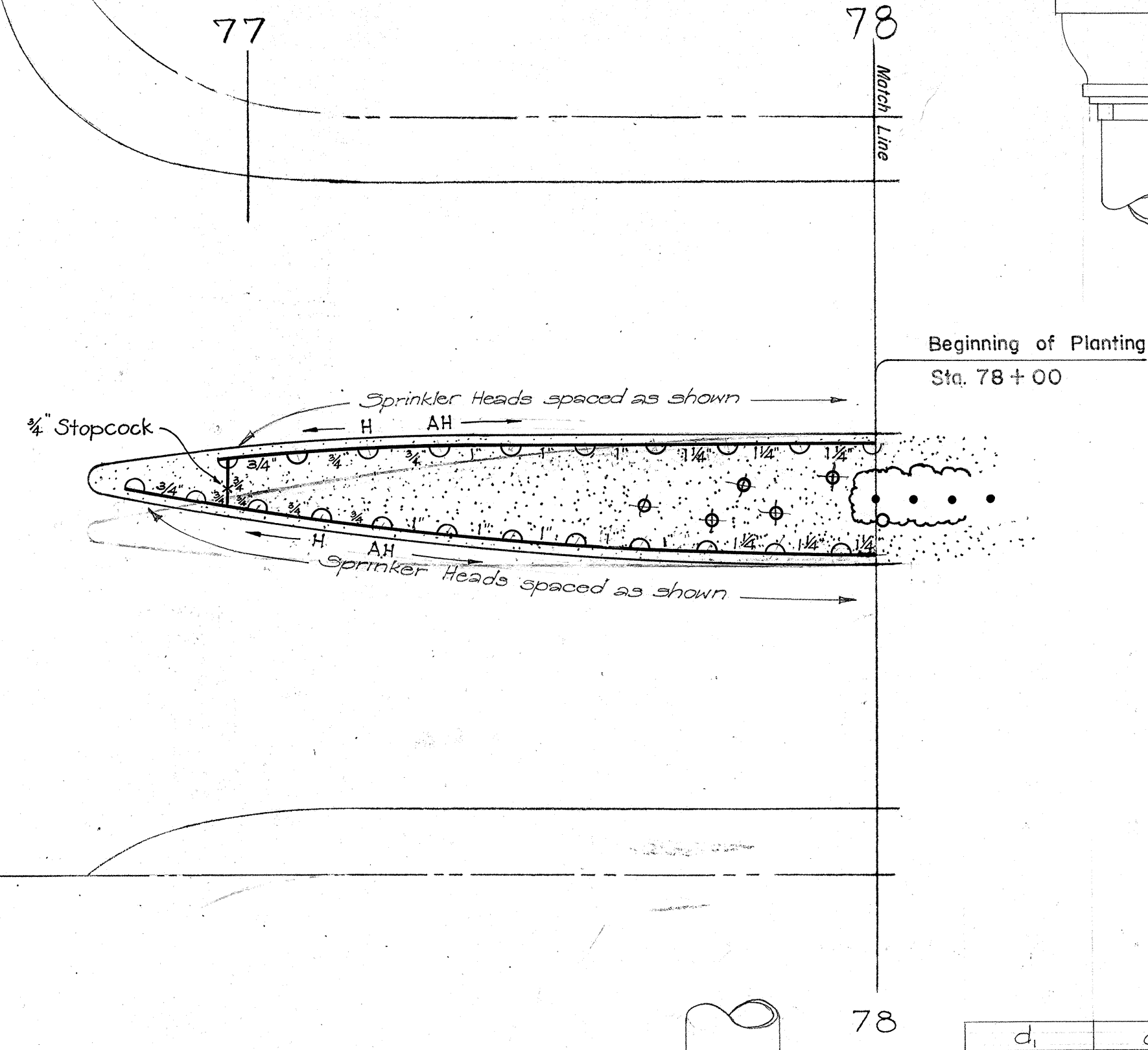
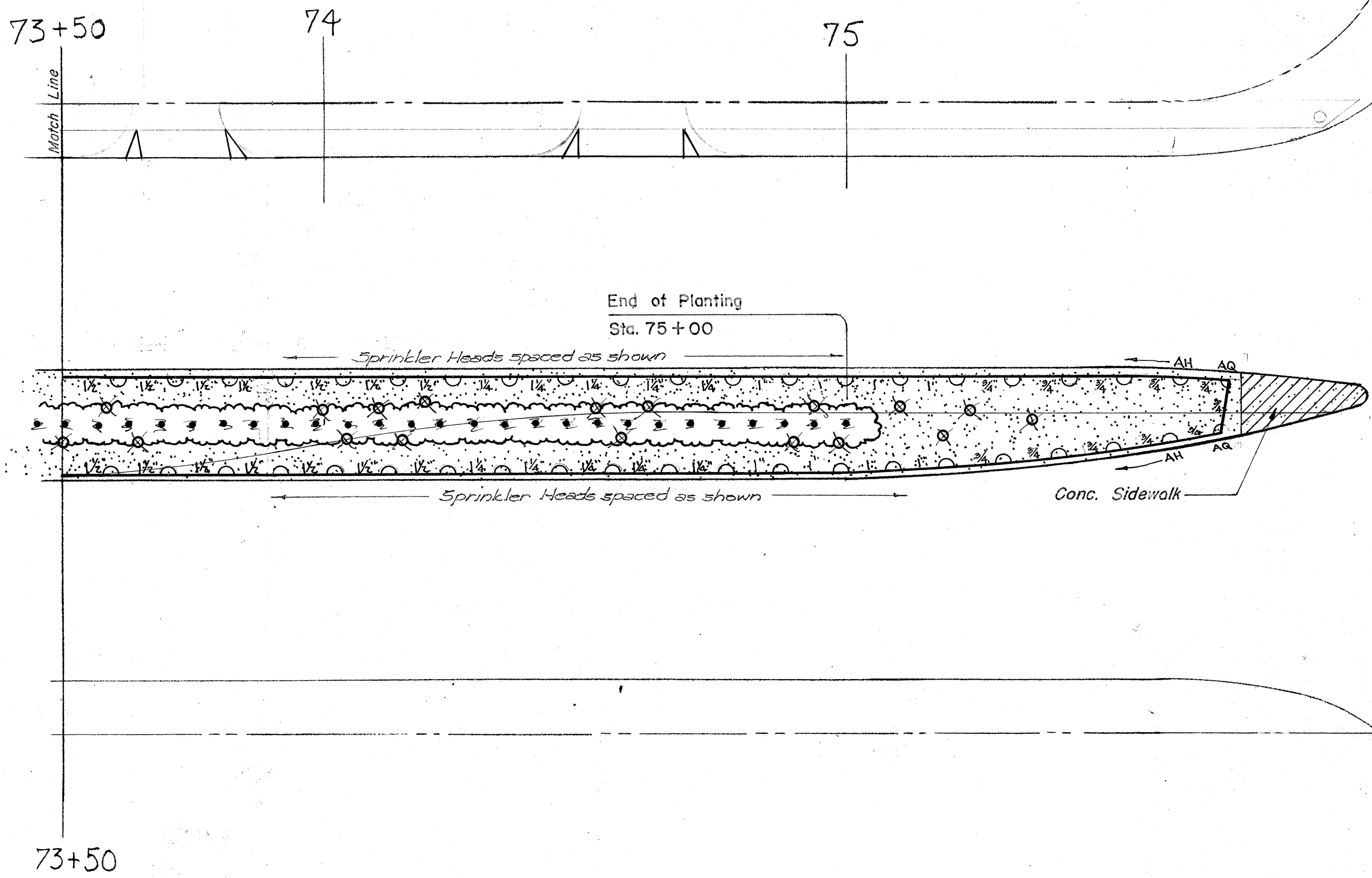
d ₁	d ₂	d ₃	Bushing	T
3/4"	3/4"	3/4"		3/4" x 3/4" x 3/4"
3/4"	3/4"	1"		3/4" x 3/4" x 1"
1"	3/4"	3/4"		1" x 3/4" x 3/4"
1"	3/4"	1"		1" x 3/4" x 1"
1"	3/4"	1 1/4"	1-1" x 3/4"	1" x 1" x 1 1/4"
1"	1"	3/4"		1" x 1" x 3/4"
1"	1"	1 1/4"		1" x 1" x 1 1/4"
1 1/4"	1"	1 1/4"		1 1/4" x 1" x 1 1/4"
1 1/2"	3/4"	1 1/2"		1 1/2" x 3/4" x 1 1/2"
1 1/2"	1"	1 1/2"		1 1/2" x 1" x 1 1/2"
1 1/2"	1 1/4"	1 1/4"		1 1/2" x 1 1/4" x 1 1/4"
1 1/2"	1 1/4"	2"	1-1 1/2" x 1 1/4"	1 1/2" x 1 1/2" x 2"
1 1/2"	1 1/2"	2"	2-2" x 1 1/2"	2" x 2" x 2 1/2"
2"	3/4"	2"		2" x 3/4" x 2"
2"	1"	2"	1-2" x 1"	2" x 2" x 2"
2"	1 1/2"	1"		2" x 1 1/2" x 1"
2"	1 1/2"	1 1/4"		2" x 1 1/2" x 1 1/4"
2"	1 1/2"	2 1/2"	1-2" x 1 1/2"	2" x 2" x 2 1/2"

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

d ₁	d ₂	d ₃	d ₄	Cross	Bushing	Reducer
3/4"	3/4"	1"	1"	1"	2-1" x 3/4"	
3/4"	3/4"	2 1/2"	2 1/2"	2 1/2"	2-1" x 3/4"	2-2 1/2" x 1"
3/4"	1 1/4"	1"	1 1/4"	1 1/4"	1-1 1/4" x 1"	
3/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	1-1 1/4" x 1 1/4"	
3/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2-1 1/2" x 1 1/4"	
3/4"	2"	2"	2 1/2"	2 1/2"	1-1" x 3/4"	2-2 1/2" x 2"
1"	1"	1"	1 1/4"	1 1/4"	3-1 1/4" x 1"	
1"	1"	1 1/4"	1 1/2"	1 1/2"	2-1 1/2" x 1"	
1"	1 1/2"	1"	1 1/2"	1 1/2"	2-1 1/2" x 1"	
1"	2 1/2"	2 1/2"	3"	3"		2-3" x 2 1/2"



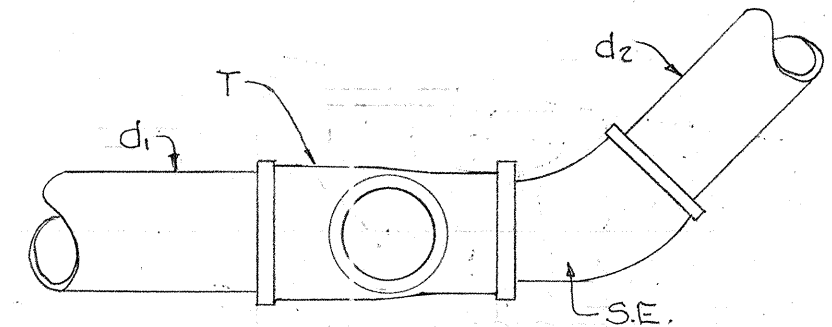
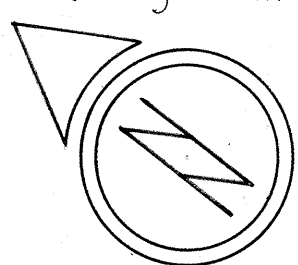
DETAIL "F" CONNECTION AT CROSSES



LEGEND

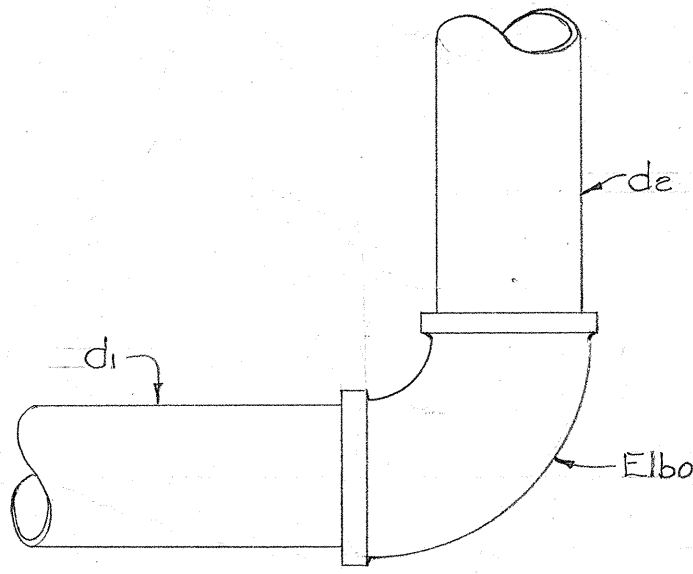
Symbol	Botanical Name	Common Name	Quantity
	CYNODON - DACTYLON	BERMUDA GRASS	6,299 s.f.
	BOUGAINVILLEA GLABRA	BOUGAINVILLEA	26
	COCOS - NUCIFERA	COCONUTS	23

Note: Cocos & Bougainvillea shall be spaced as shown. Bougainvillea planted 10' o.c.



DETAIL "E" CONNECTION AT 45° BEND

d ₁	d ₂	T	SE
1 1/4"	1"	1 1/4" x 1" x 3/4"	1"
3/4"	3/4"	3/4" x 3/4" x 3/4"	3/4"
1"	3/4"	1" x 3/4" x 3/4"	3/4"
1"	1"	1" x 1" x 3/4"	1"



d ₁	d ₂	90° Elbow
3/4"	3/4"	3/4"
1"	1"	1"
1 1/4"	1 1/4"	1 1/4"
1 1/2"	1 1/2"	1 1/2"
2"	2"	2"
2 1/2"	2 1/2"	2 1/2"
3"	3"	3"
4"	4"	4"

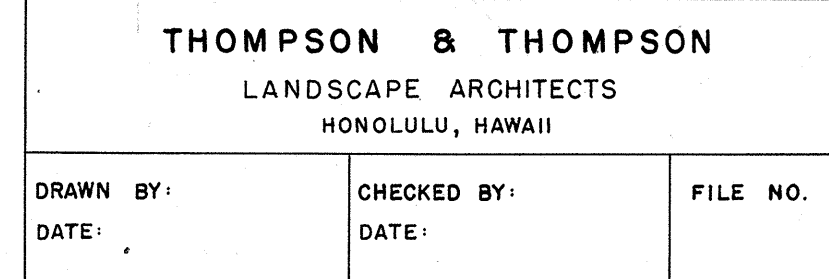
DETAIL "G" CONNECTION AT 90° BENDS

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
LANDSCAPE PLAN
AND SPRINKLER SYSTEM
HONOLULU - PEARL HARBOR ROAD
ALA MOANA BRIDGE TO KALAKAUA AVE.
PROJECT NO. U 44(9)

THOMPSON & THOMPSON
LANDSCAPE ARCHITECTS
HONOLULU, HAWAII
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FILE NO.

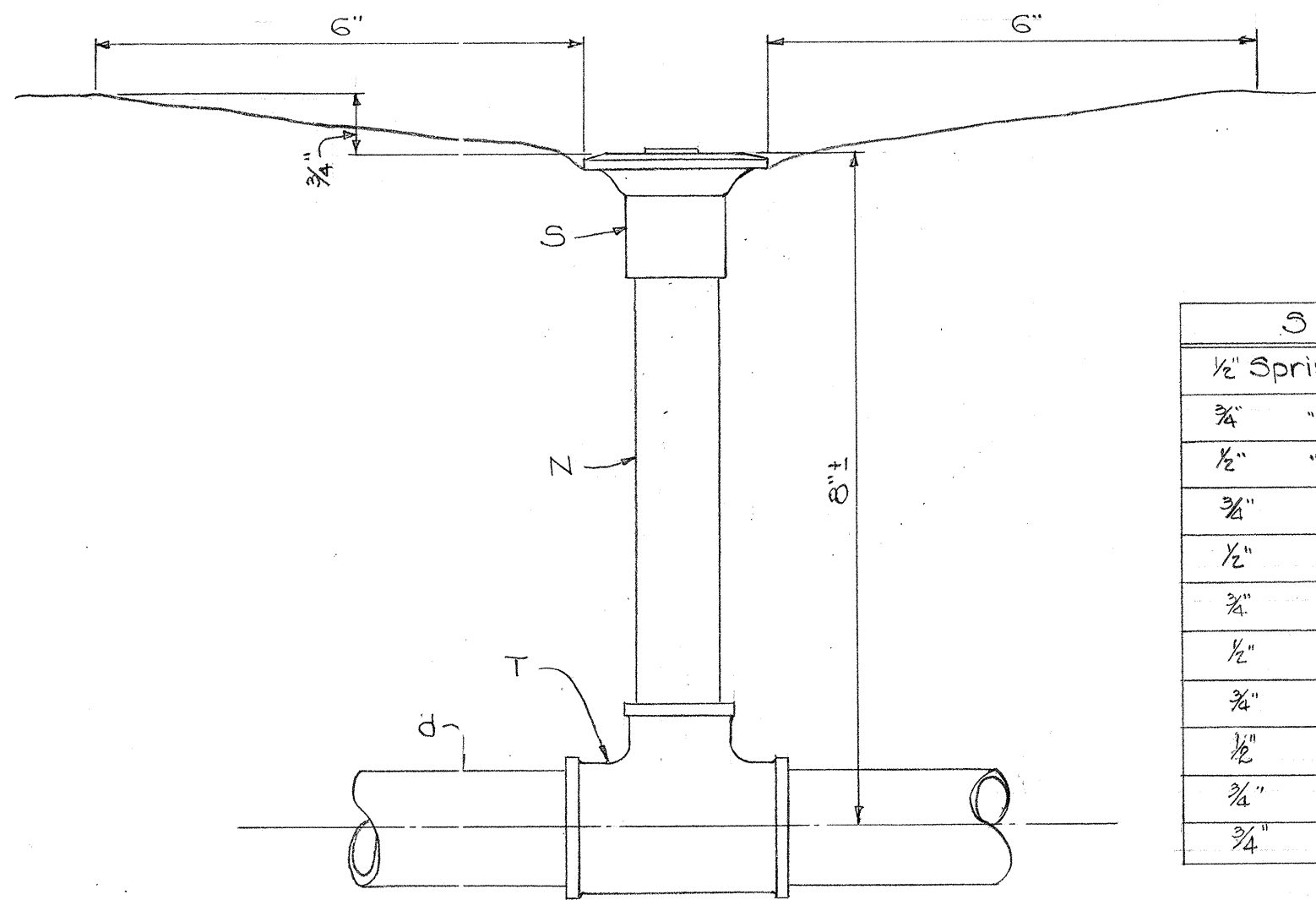
SCALE: 1" = 20'
DECEMBER 1949
SHEET NO. 2 OF 6 SHEETS

5420.27



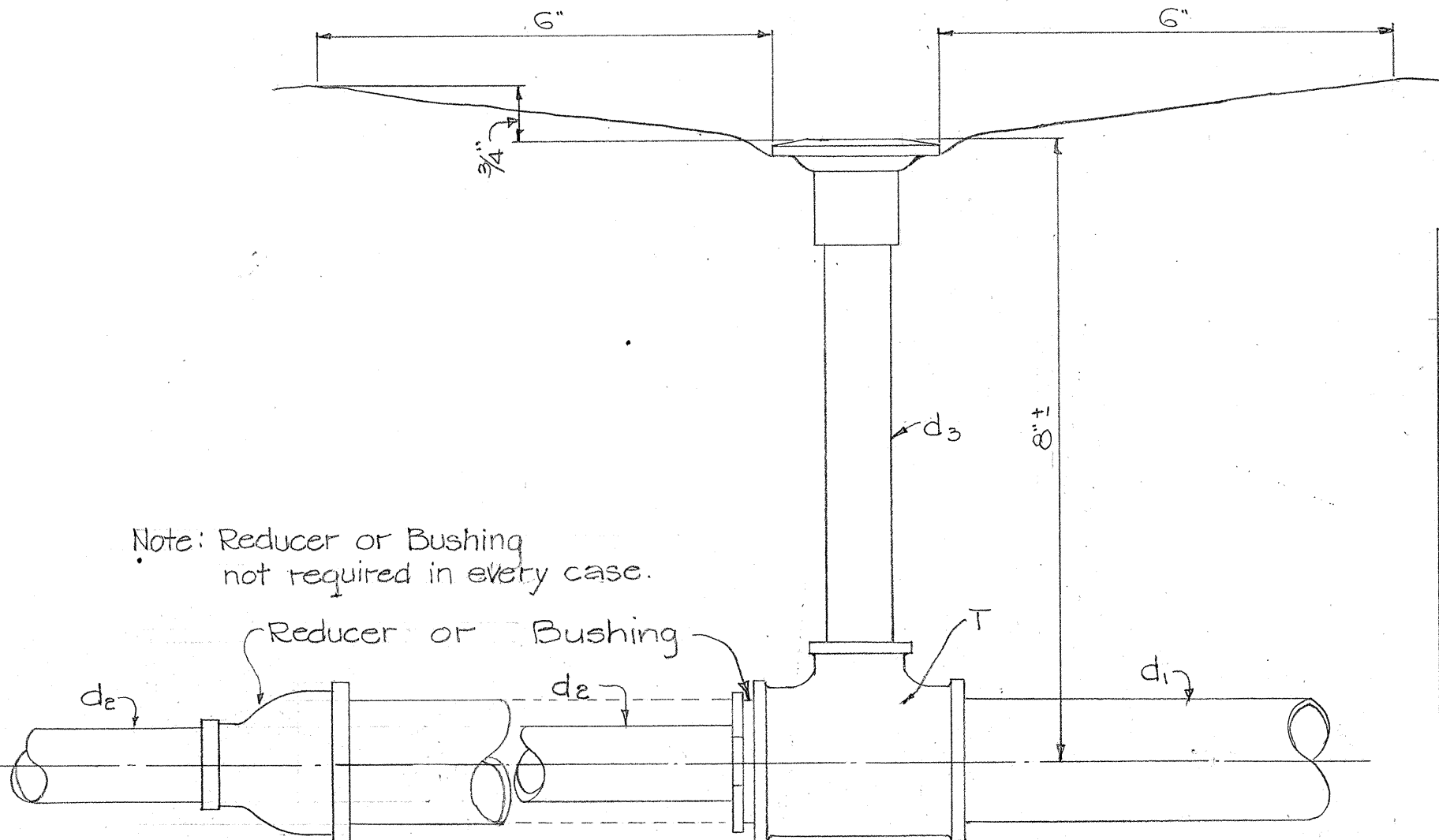
SCALE: 1" = 20' DECEMBER 1949

SHEET No. 4 OF 6 SHEETS



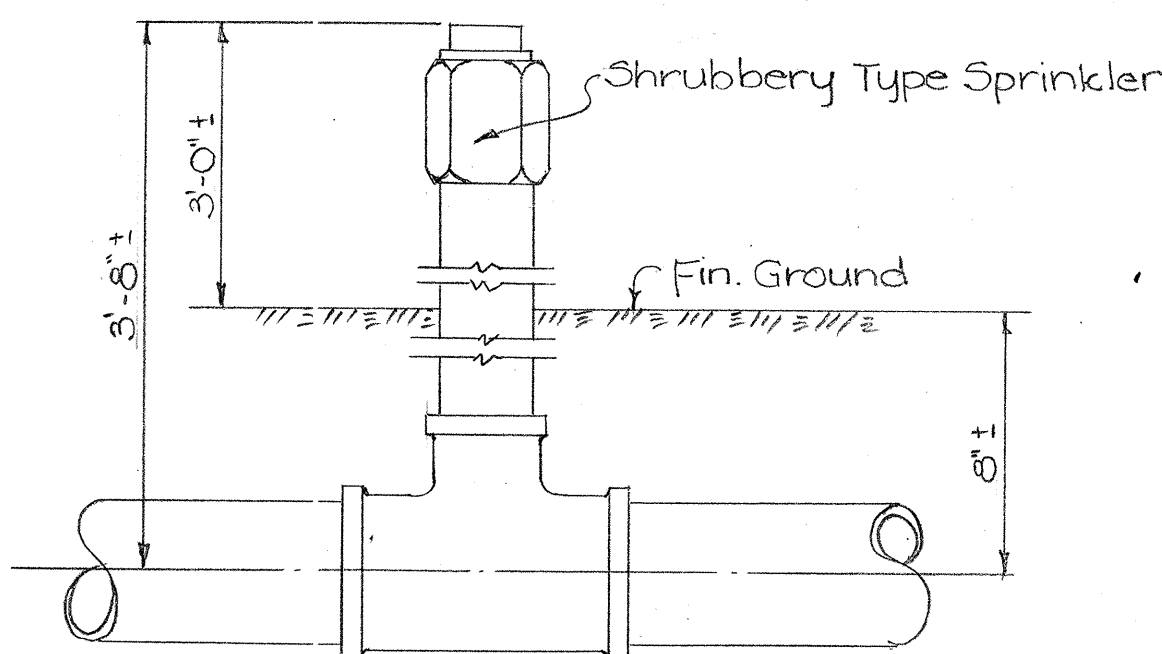
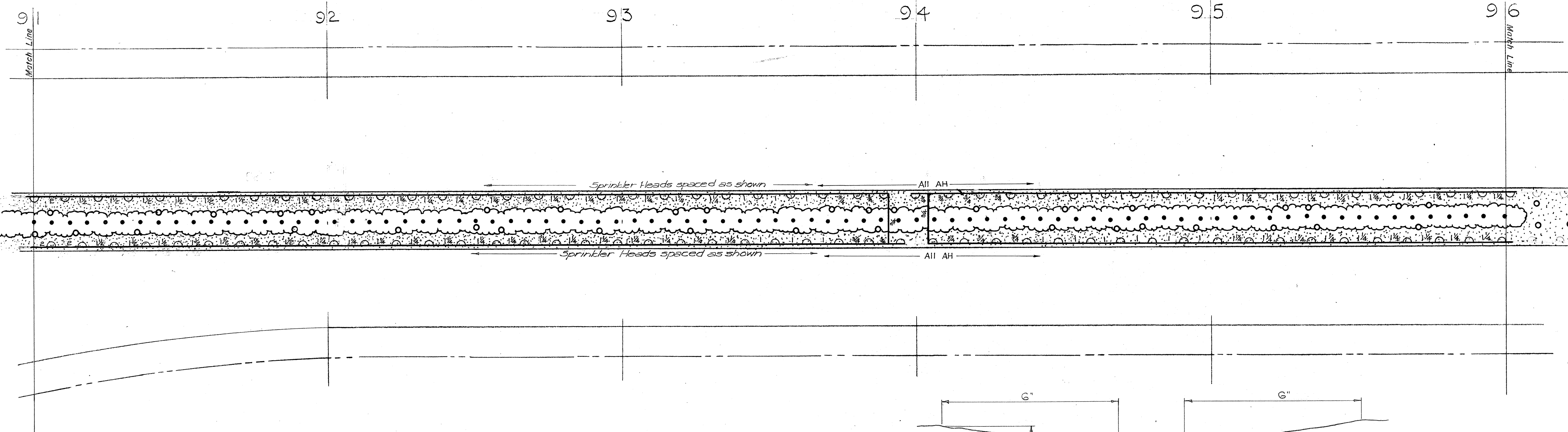
S	N	T	d
1/2" Sprinkler	1/2" x 6" Nipple	3/4" x 1/2" x 1/2" Tee	3/4"
3/4"	3/4" x 6"	1" x 3/4" x 3/4"	1"
1"	1" x 6"	1 1/2" x 1" x 1/2"	1 1/2"
1 1/2"	1 1/2" x 6"	2" x 1 1/2" x 1"	2"
2"	2" x 6"	2 1/2" x 2" x 1 1/2"	2 1/2"
2 1/2"	2 1/2" x 6"	3" x 2 1/2" x 2"	3"
3"	3" x 6"	3 1/2" x 3" x 2 1/2"	3 1/2"
3 1/2"	3 1/2" x 6"	4" x 3 1/2" x 3"	4"
4"	4" x 6"	4 1/2" x 4" x 3 1/2"	4 1/2"
4 1/2"	4 1/2" x 6"	5" x 4 1/2" x 4"	5"
5"	5" x 6"	5 1/2" x 5" x 4 1/2"	5 1/2"
5 1/2"	5 1/2" x 6"	6" x 5 1/2" x 5"	6"
6"	6" x 6"	6 1/2" x 6" x 5 1/2"	6 1/2"

DETAIL "M"
CONNECTION OF SPRINKLERS TO FEEDER PIPES



d1	d2	d3	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 1/2" x 1 1/4" x 1"
2"	1 1/2"	1 1/4"	2" x 1 1/2" Bushing	2" x 2" x 1 1/4"
2 1/2"	2"	1 1/2"	2 1/2" x 2" Reducer	2 1/2" x 2 1/2" x 2"

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



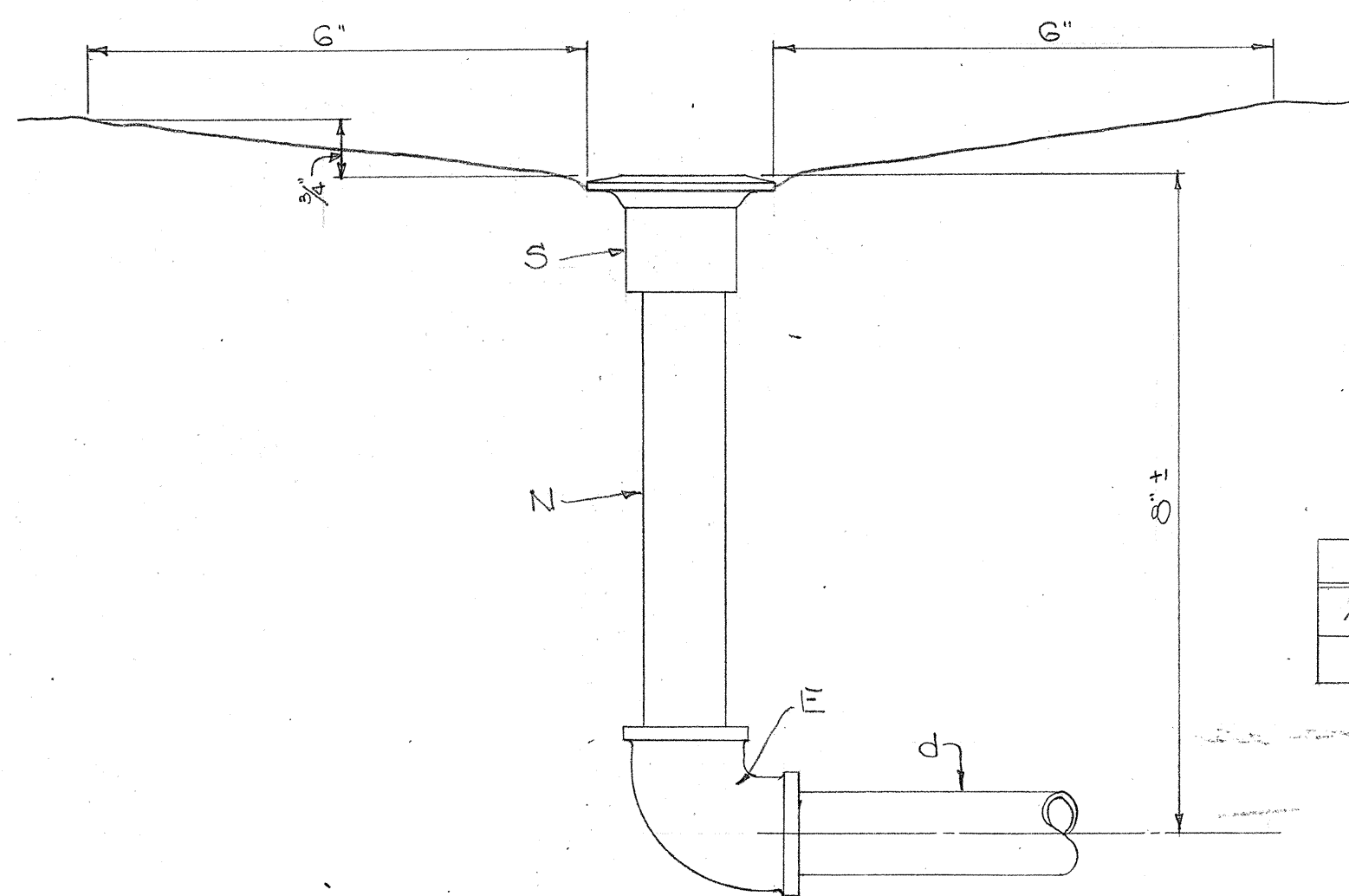
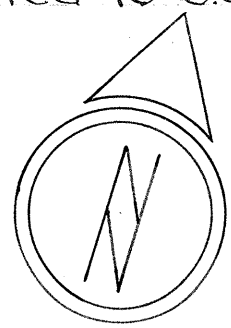
DETAIL "N"
CONNECTION OF SHRUBBERY
TYPE SPRINKLER HEADS TO FEEDER PIPES

Note: Same as in Detail "M" except the nipple is replaced with a piece of pipe 3'-6" long and of the same diameter as the sprinkler head.

LEGEND

Symbol	Botanical Name	Common Name	Quantity
	GYNODON - DACTYLON	BERMUDA GRASS	9,250 s.f.
	BOUGAINVILLEA GLABRA	BOUGAINVILLEA	84
	COCOS - NUCIFERA	COCONUTS	36

Note: Coconuts & Bougainvillea shall be spaced as shown. Bougainvillea planted 10' o.c.



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

S	N	E	d
1/2" Sprinkler	1/2" x 6"	3/4" x 1/2" 90° Reducing Ell.	3/4"
3/4"	3/4" x 6"	1" Ell	1"

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
**LANDSCAPE PLAN
AND SPRINKLER SYSTEM**
HONOLULU - PEARL HARBOR ROAD
ALA MOANA BRIDGE TO KALAKAUA AVE.
PROJECT NO. U 44 (9)

THOMPSON & THOMPSON
LANDSCAPE ARCHITECTS
HONOLULU, HAWAII

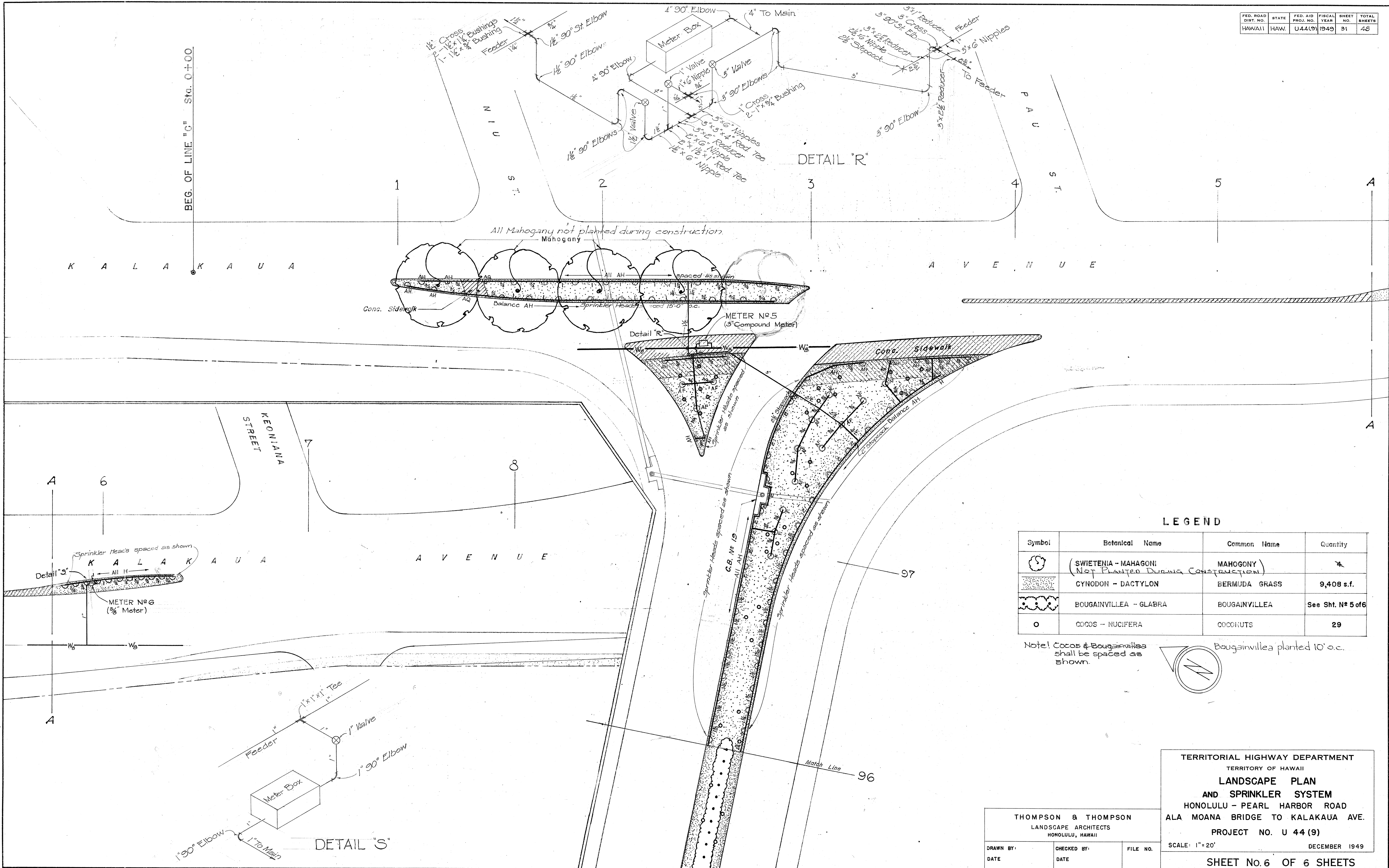
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SCALE: 1" = 20' DECEMBER 1949

SHEET No. 5 OF 6 SHEETS

5420.30

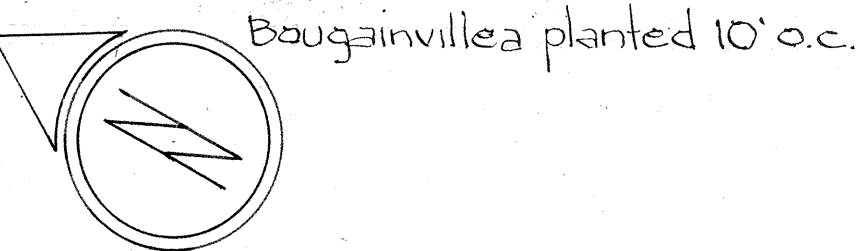
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	U44(9)	1949	31	48



LEGEND

Symbol	Botanical Name	Common Name	Quantity
	(SWIETENIA - MAHAGONI) (Not Planted During Construction)	MAHOGONY	4
	CYNODON - DACTYLON	BERMUDA GRASS	9,408 s.f.
	BOUGAINVILLEA - GLABRA	BOUGAINVILLEA	See Sht. No. 5 of 6
	COCOS - NUCIFERA	COCONUTS	29

Note! Cocos & Bougainvillea shall be spaced as shown.



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
ALA MOANA BRIDGE TO KALAKAUA AVE.
PROJECT NO. U 44 (9)

SCALE: 1" = 20' DECEMBER 1949

SHEET NO. 6 OF 6 SHEETS

5420.31

ORIGINAL PLAN	DATE
DESIGNED BY	...
DRAWN BY	...
CHECKED BY	...
NOTE BOOK	...
QUANTITIES CHECKED BY	...
CHECKED BY	...