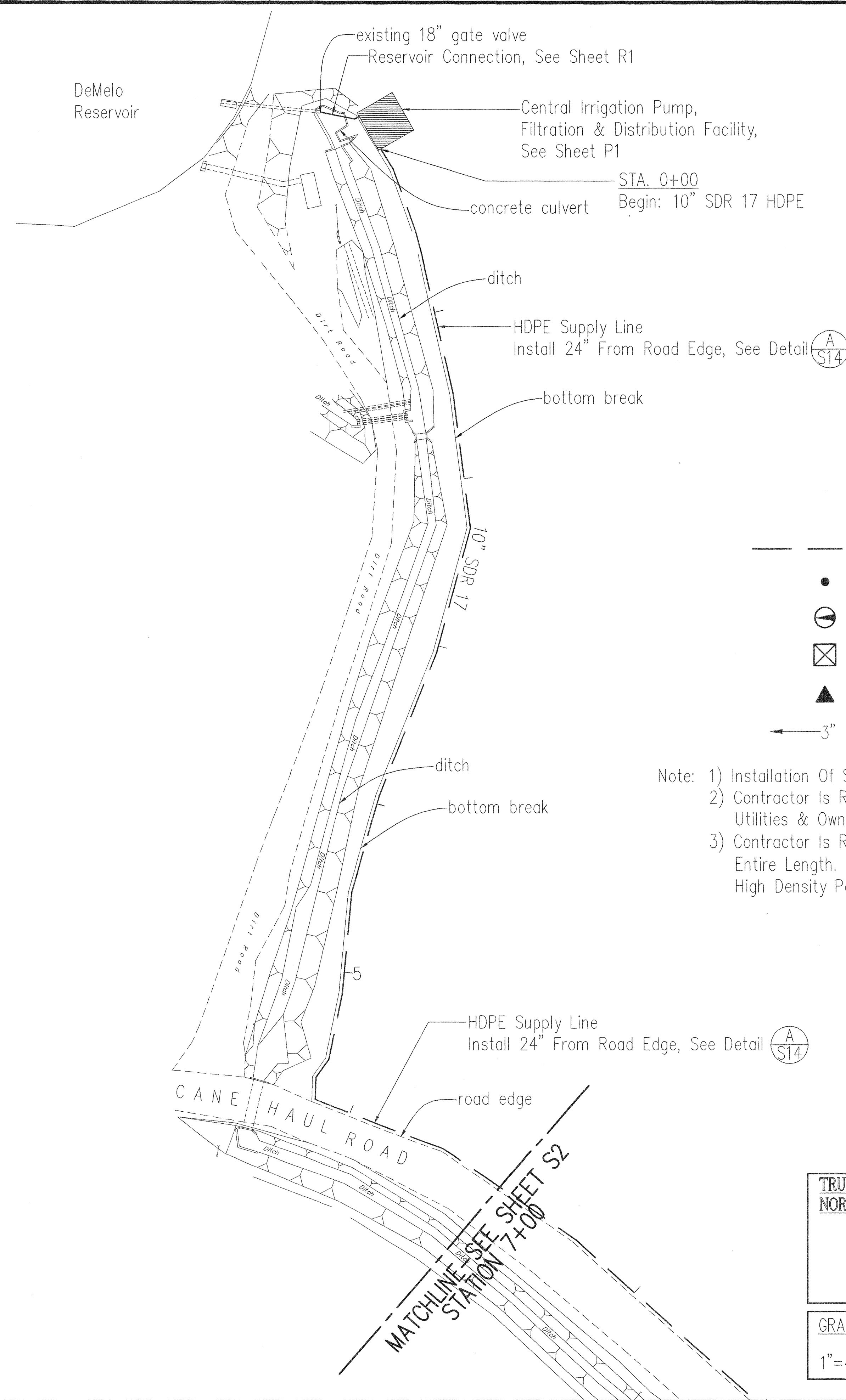


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	17	141

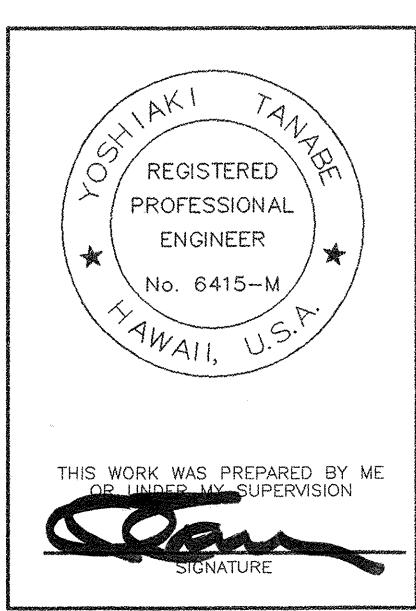
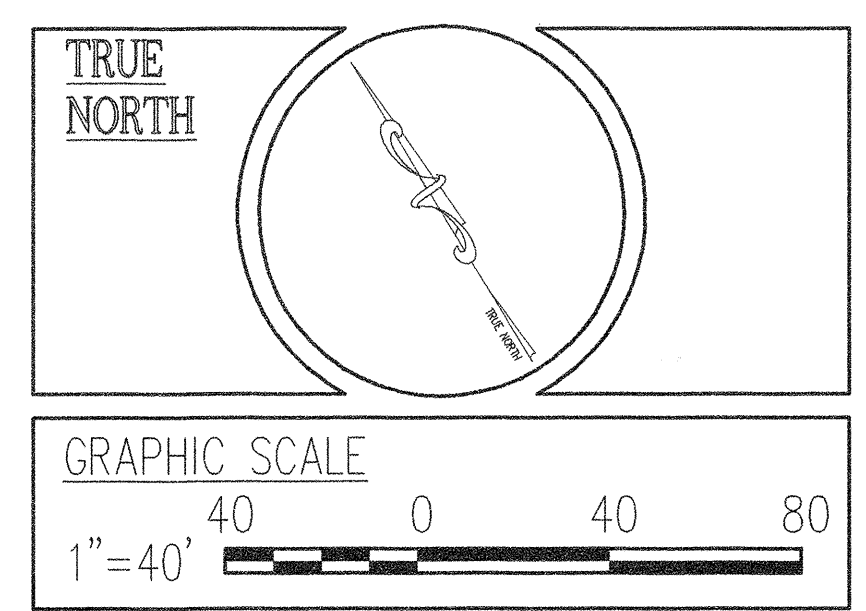


LEGEND

- HDPE SUPPLY LINE
- Irrigation Stub-Out, See Detail E/S16
- Field Meter, See Detail F/S16
- Supply Line Isolation Gate Valve, See Detail G/S17 & H/S17
- Flush Assembly, See Detail M/S19
- 3" Size Of Stub-Out Or Isolation Gate Valve

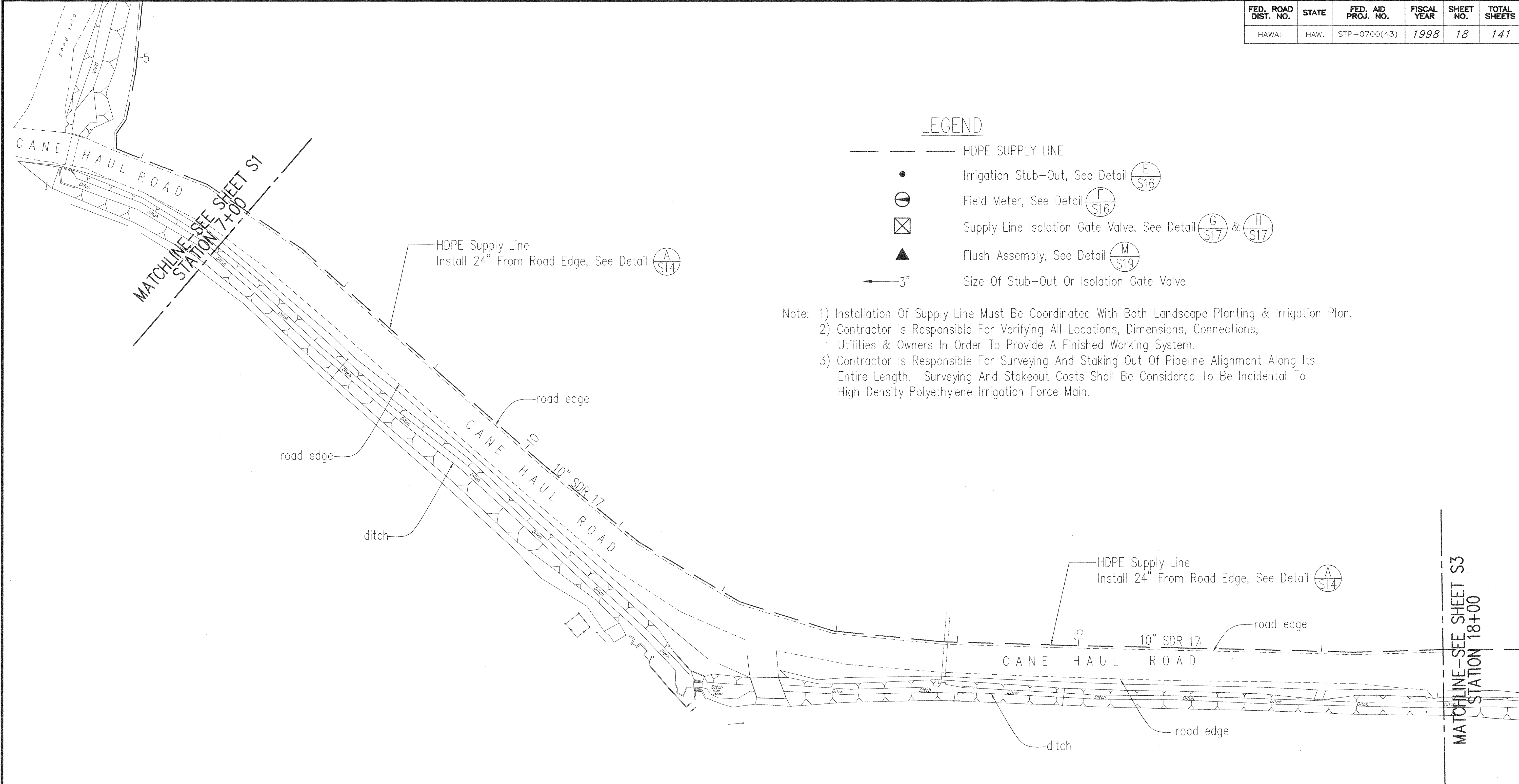
- Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.  
2) Contractor Is Responsible For Verifying All Locations, Dimensions, Connections, Utilities & Owners In Order To Provide A Finished Working System.  
3) Contractor Is Responsible For Surveying And Staking Out Of Pipeline Alignment Along Its Entire Length. Surveying And Stakeout Costs Shall Be Considered To Be Incidental To High Density Polyethylene Irrigation Force Main.

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



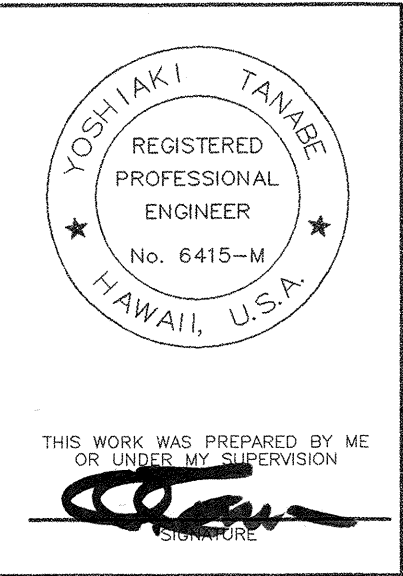
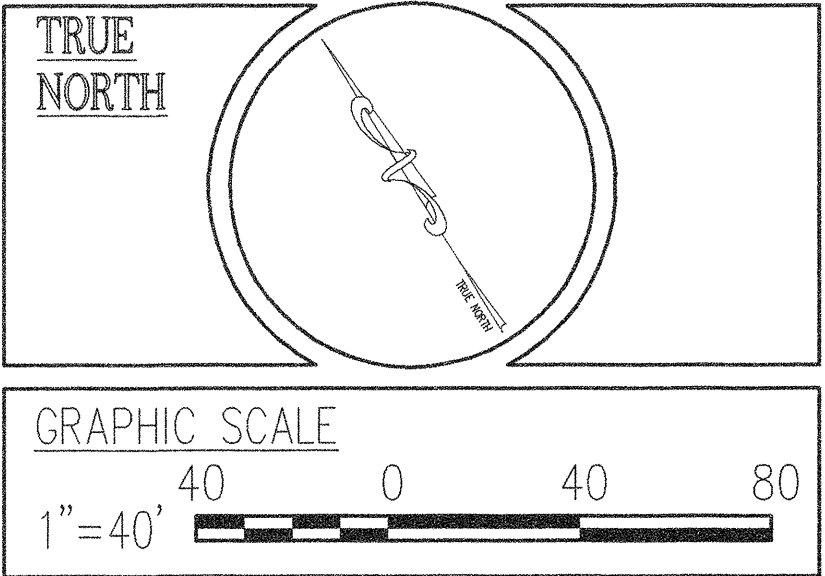
STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**IRRIGATION SUPPLY LINE PLAN**  
  
**LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT**  
  
SCALE: 1"=40'-0"      DATE: July 31, 1998  
SHEET No. S1 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	18	141



- Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.  
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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
DRAWN BY	DESIGNED BY	
NOTE BOOK	QUANTITIES BY	
	CHECKED BY	
No.		



STATE OF HAWAII  
 DEPARTMENT OF TRANSPORTATION  
 HIGHWAYS DIVISION  
**IRRIGATION SUPPLY LINE PLAN**  
 LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT  
 SCALE: 1"=40'-0"      DATE: July 31, 1998  
 SHEET No. S2 OF 23 SHEETS

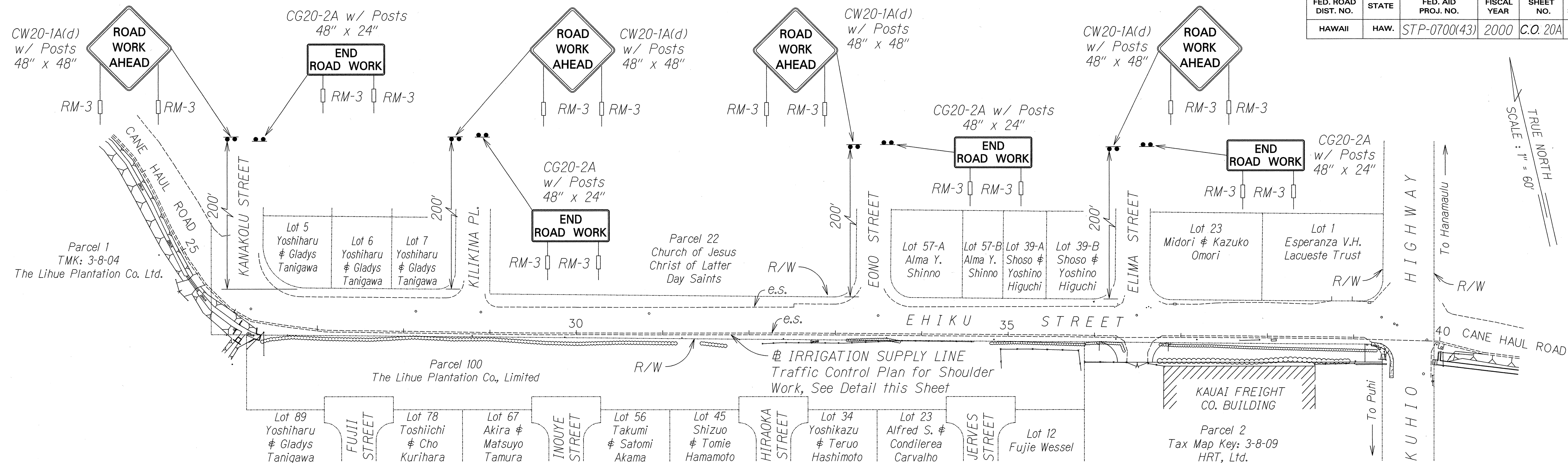








FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	2000	C.O. 20A	142

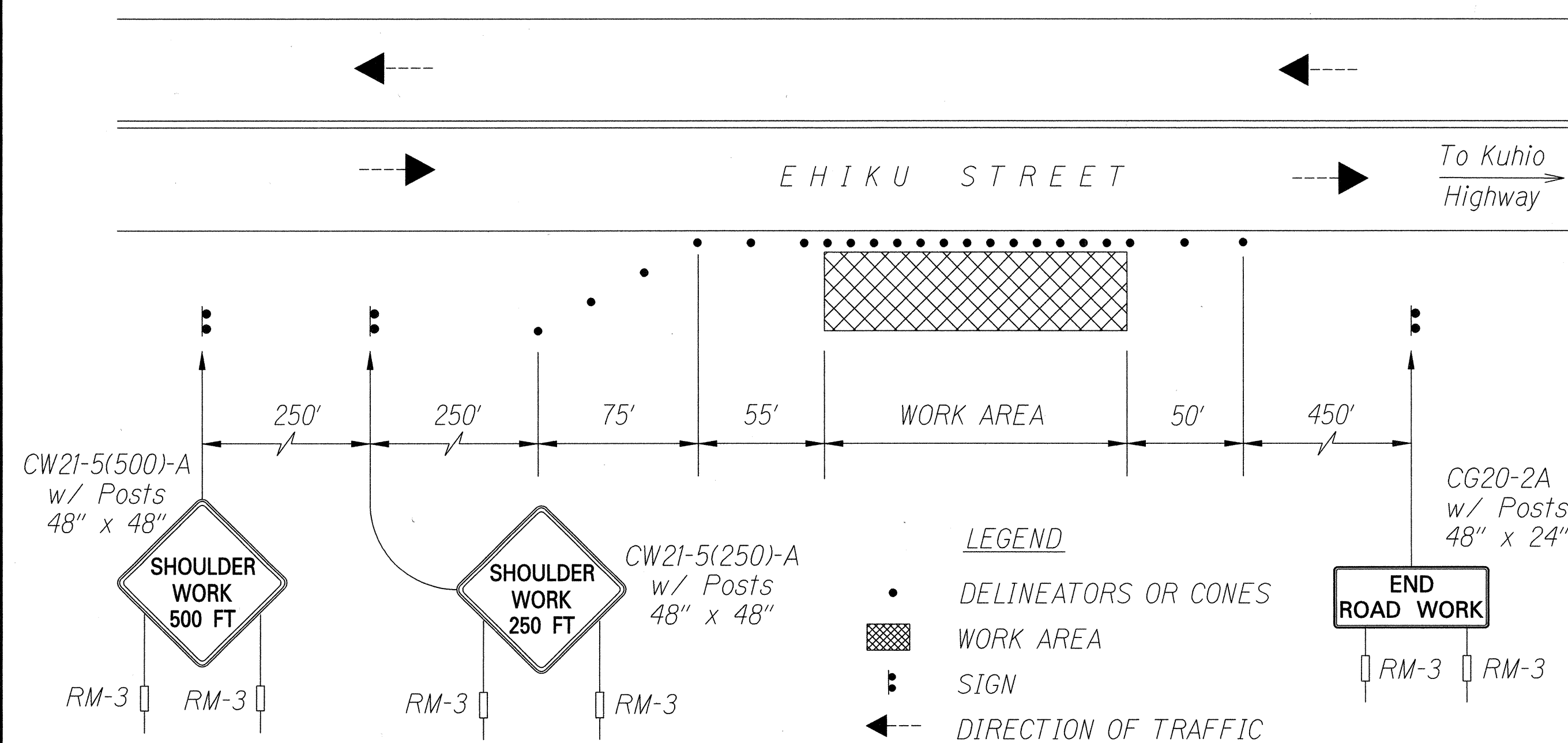


TRAFFIC CONTROL PLAN - EHIKU STREET  
N.T.S.

GENERAL NOTES FOR TRAFFIC CONTROL PLAN WITHIN THE COUNTY RIGHT-OF-WAY

- The permittee shall make minor adjustments at intersections, driveways, bridges, structures, etc. to fit field conditions.
- Cones or delineators shall be extended to a point where they are visible to approaching traffic.
- Traffic control devices shall be installed such that the sign or device farthest from the work area shall be placed first. The others shall then be placed progressively towards the work area.
- Regulatory and warning signs within the construction zone that are in conflict with the traffic control plans shall be removed or covered. All signs shall be restored upon the completion of work.
- Flaggers and/or police officers shall be in sight of each other or in direct communication at all times.
- When required by the issuing office, the permittee shall install a flashing arrow signal as shown on the traffic control plans.
- All construction warning signs shall be promptly removed or covered whenever the message is not applicable or not in use.
- Spacing of cones or delineators within the work area shall be at 10' o.c. while spacing on tangent and taper sections may be at 25' o.c.
- All traffic lanes shall be a minimum of 10 feet wide.
- The backs of all signs used for traffic control shall be appropriately covered to preclude the display of inapplicable sign messages (i.e. when the signs have messages on both faces), whenever the message is not applicable or not in use.
- At the end of each days work or as soon as the work is completed, the permittee shall remove all traffic control devices no longer needed to permit the free and safe passage of public traffic. Removal shall be in the reverse order of installation. Replace permanent pavement markings and traffic signs, if applicable, shall be upon completion of each phase of work.

SURVEY PLOTTED BY	DATE
DESIGNED BY	
NOTED BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
N.	

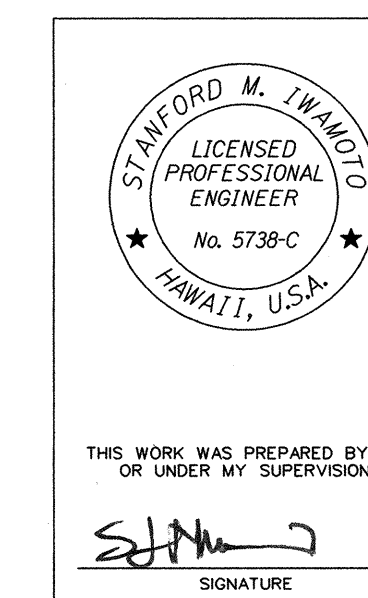


TRAFFIC CONTROL PLAN FOR SHOULDER WORK ON EHIKU STREET  
N.T.S.

APPROVED: (FOR WORK WITHIN COUNTY R/W)

COUNTY ENGINEER  
DEPT. OF PUBLIC WORKS, COUNTY OF KAUAI

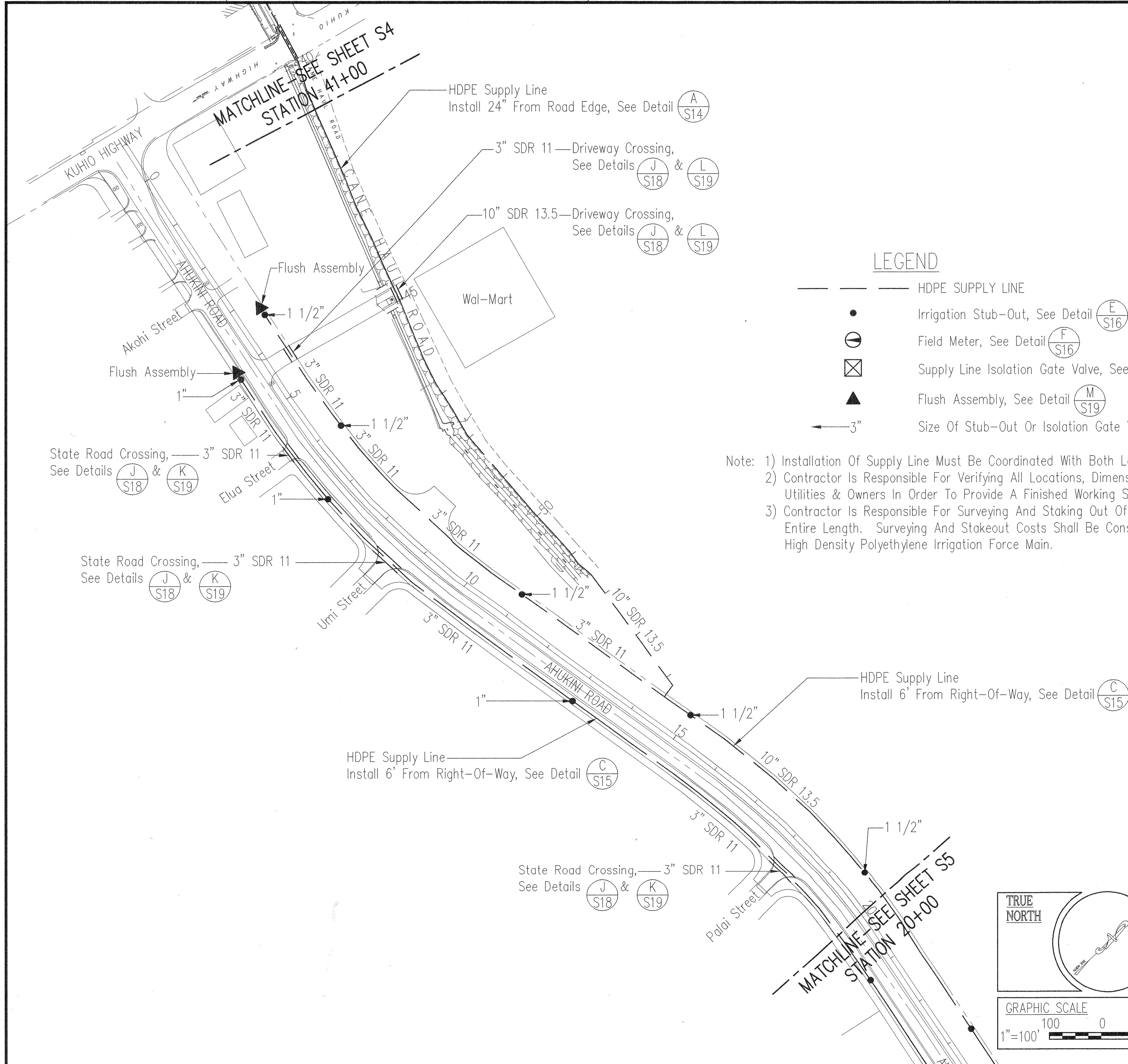
7/13/00



6-19-00	Added New Sheet Per County Engineer Request
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
EHIKU STREET TRAFFIC CONTROL PLAN	
LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT	
Scale: As Shown	Date: June, 2000
SHEET No. 1	OF 1 SHEETS

C.O. 20A

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	21	141

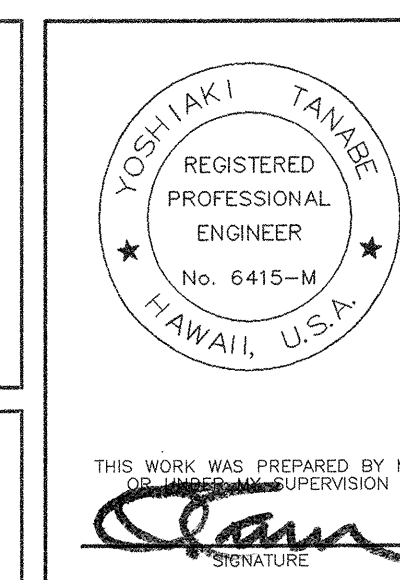
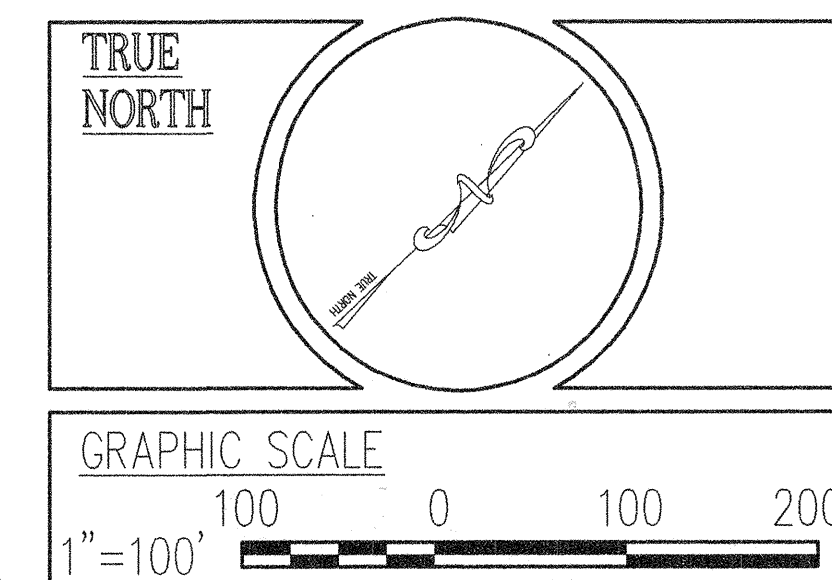


### LEGEND

- HDPE SUPPLY LINE
- Irrigation Stub-Out, See Detail E  
S16
- ⊖ Field Meter, See Detail F  
S16
- ⊗ Supply Line Isolation Gate Valve, See Detail G  
S17 & H  
S17
- ▲ Flush Assembly, See Detail M  
S19
- ← 3" Size Of Stub-Out Or Isolation Gate Valve

- Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.  
2) Contractor Is Responsible For Verifying All Locations, Dimensions, Connections, Utilities & Owners In Order To Provide A Finished Working System.  
3) Contractor Is Responsible For Surveying And Staking Out Of Pipeline Alignment Along Its Entire Length. Surveying And Stakeout Costs Shall Be Considered To Be Incidental To High Density Polyethylene Irrigation Force Main.

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



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**IRRIGATION SUPPLY  
LINE PLAN**

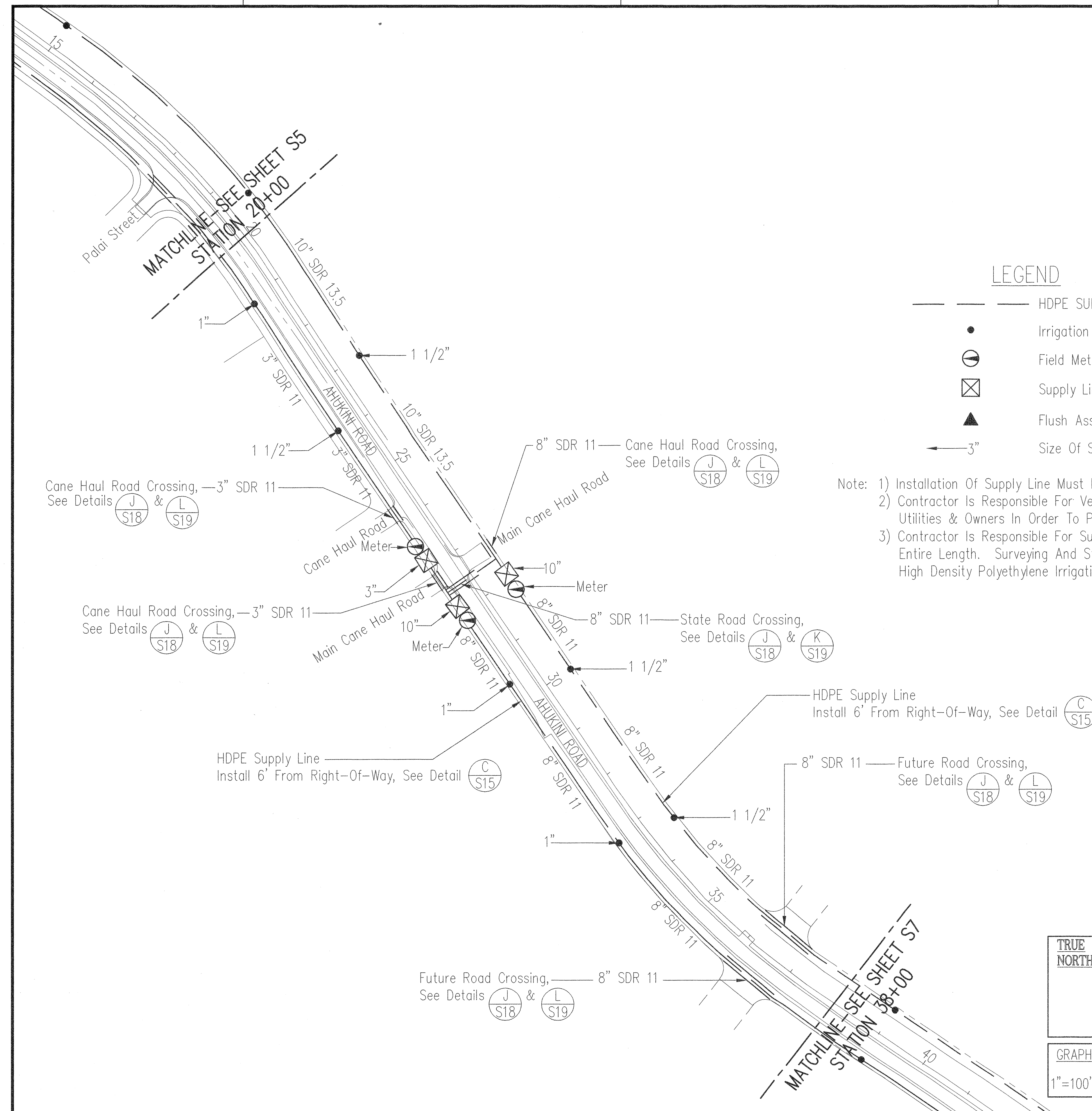
**LIHUE GATEWAY LANDSCAPE  
BEAUTIFICATION PROJECT**

SCALE: 1"=100'-0" DATE: July 31, 1998

SHEET No. S5 OF 23 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	22	141

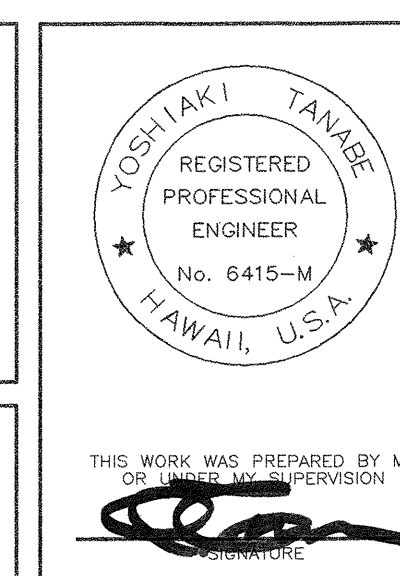
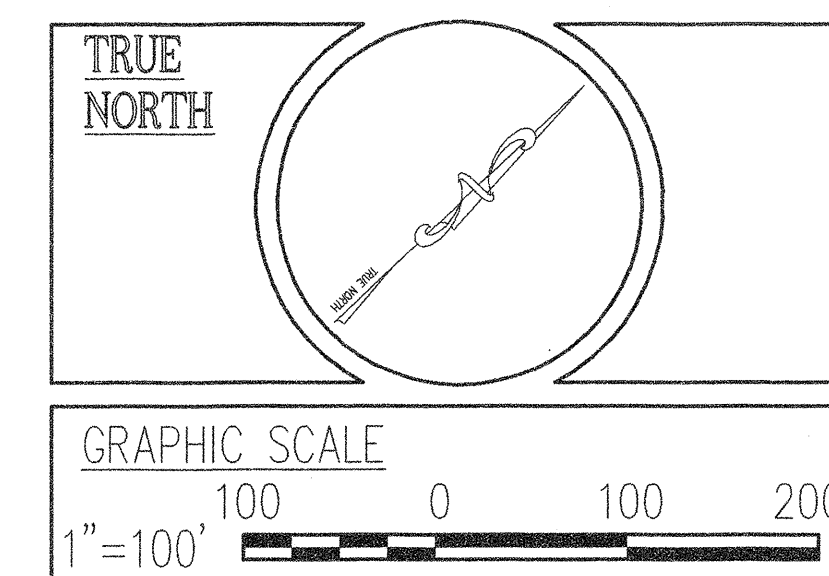


# LEGEND

- HDPE SUPPLY LINE
- Irrigation Stub-Out, See Detail (E/S16)
- ⊙ Field Meter, See Detail (F/S16)
- ⊗ Supply Line Isolation Gate Valve, See Detail (G/S17) & (H/S17)
- ▲ Flush Assembly, See Detail (M/S19)
- ← 3" Size Of Stub-Out Or Isolation Gate Valve

- Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.  
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SURVEY PLOTTED BY	DATE
DRAWN BY	
DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION

**IRRIGATION SUPPLY LINE PLAN**

**LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT**

SCALE: 1"=100'-0" DATE: July 31, 1998  
SHEET No. S6 OF 23 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	23	141

LEGEND

- — — — —

HDPE SUPPLY LINE
- Irrigation Stub-Out, See Detail 

E

S16
- ⊖

Field Meter, See Detail 

F

S16
- ⊠

Supply Line Isolation Gate Valve, See Detail 

G

S17

 & 

H

S17
- ▲

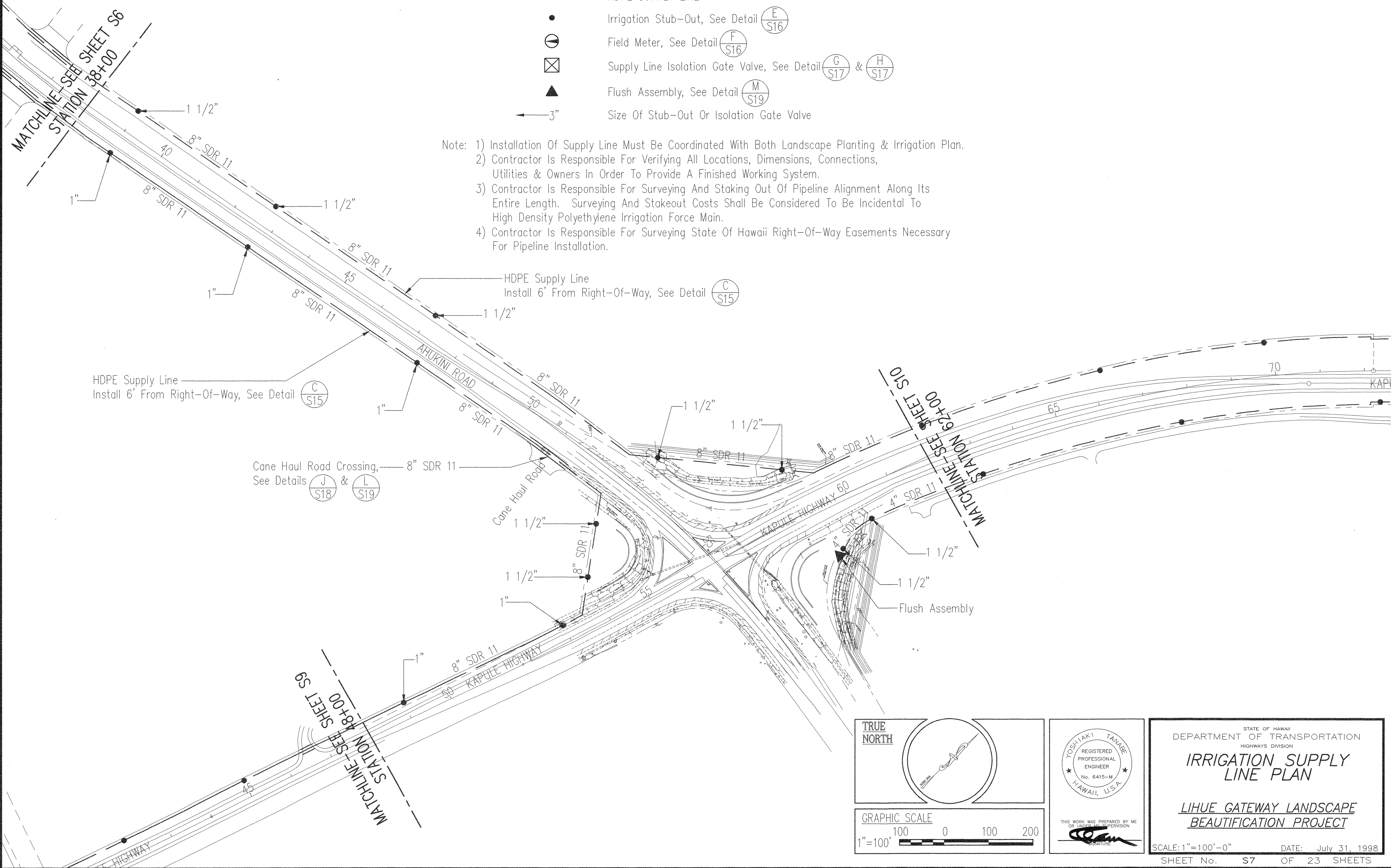
Flush Assembly, See Detail 

M

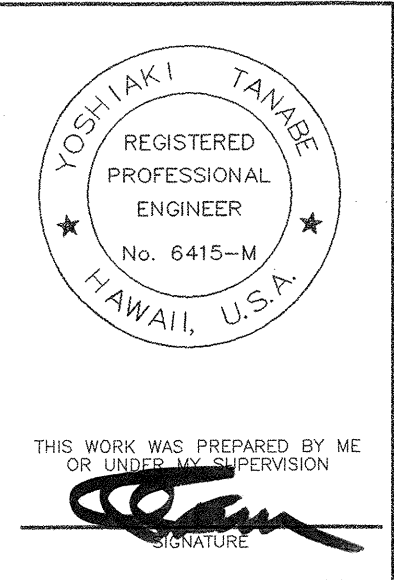
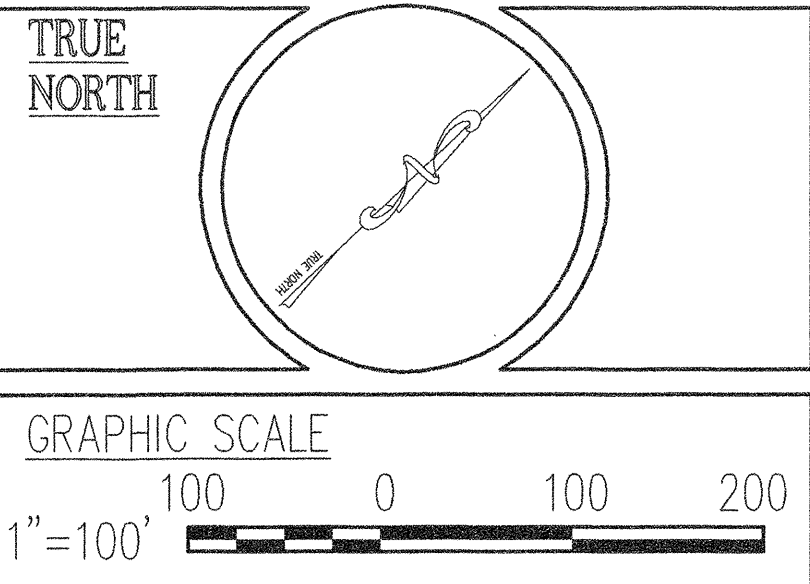
S19
- ← 3"

Size Of Stub-Out Or Isolation Gate Valve

- Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.
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- 4) Contractor Is Responsible For Surveying State Of Hawaii Right-Of-Way Easements Necessary For Pipeline Installation.



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



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

IRRIGATION SUPPLY LINE PLAN

LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT

SCALE: 1"=100'-0"

DATE: July 31, 1998

SHEET No. S7 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	24	141

LEGEND

- — — — —

HDPE SUPPLY LINE
- Irrigation Stub-Out, See Detail 

E

S16
- ⊙

Field Meter, See Detail 

F

S16
- ⊠

Supply Line Isolation Gate Valve, See Detail 

G

S17

 & 

H

S17
- ▲

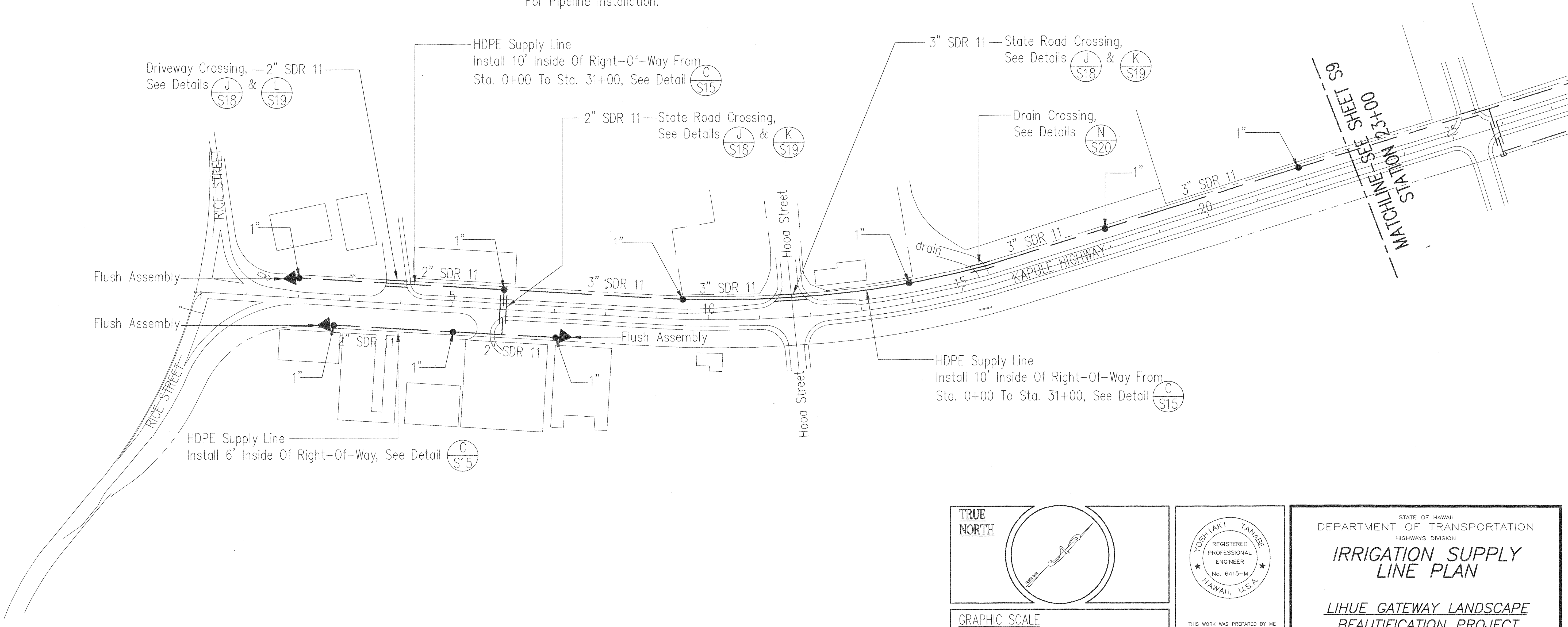
Flush Assembly, See Detail 

M

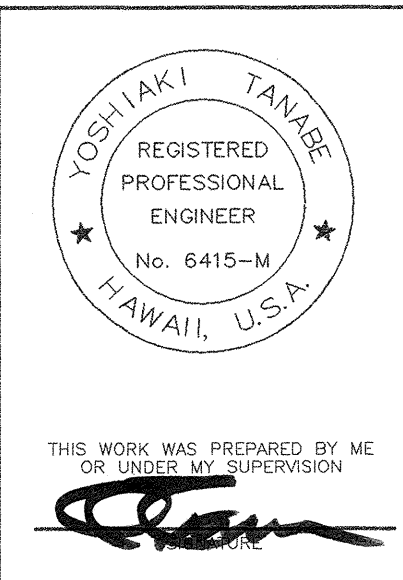
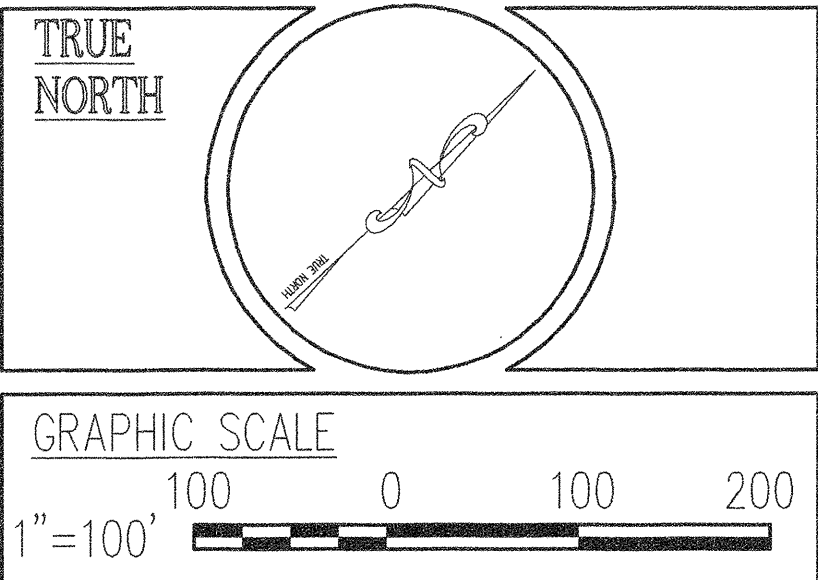
S19
- ← 3"

Size Of Stub-Out Or Isolation Gate Valve

- Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.
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SURVEY PLOTTED BY	DATE
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DESIGNED BY	
QUANTITIES BY	
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
No.	



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

IRRIGATION SUPPLY LINE PLAN

LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT

SCALE: 1"=100'-0"

DATE: July 31, 1998

SHEET No. 24 OF 23 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	25	141

LEGEND

- HDPE SUPPLY LINE
- Irrigation Stub-Out, See Detail 

E

S16
- ⊖

Field Meter, See Detail 

F

S16
- ⊠

Supply Line Isolation Gate Valve, See Detail 

G

S17

 & 

H

S17
- ▲

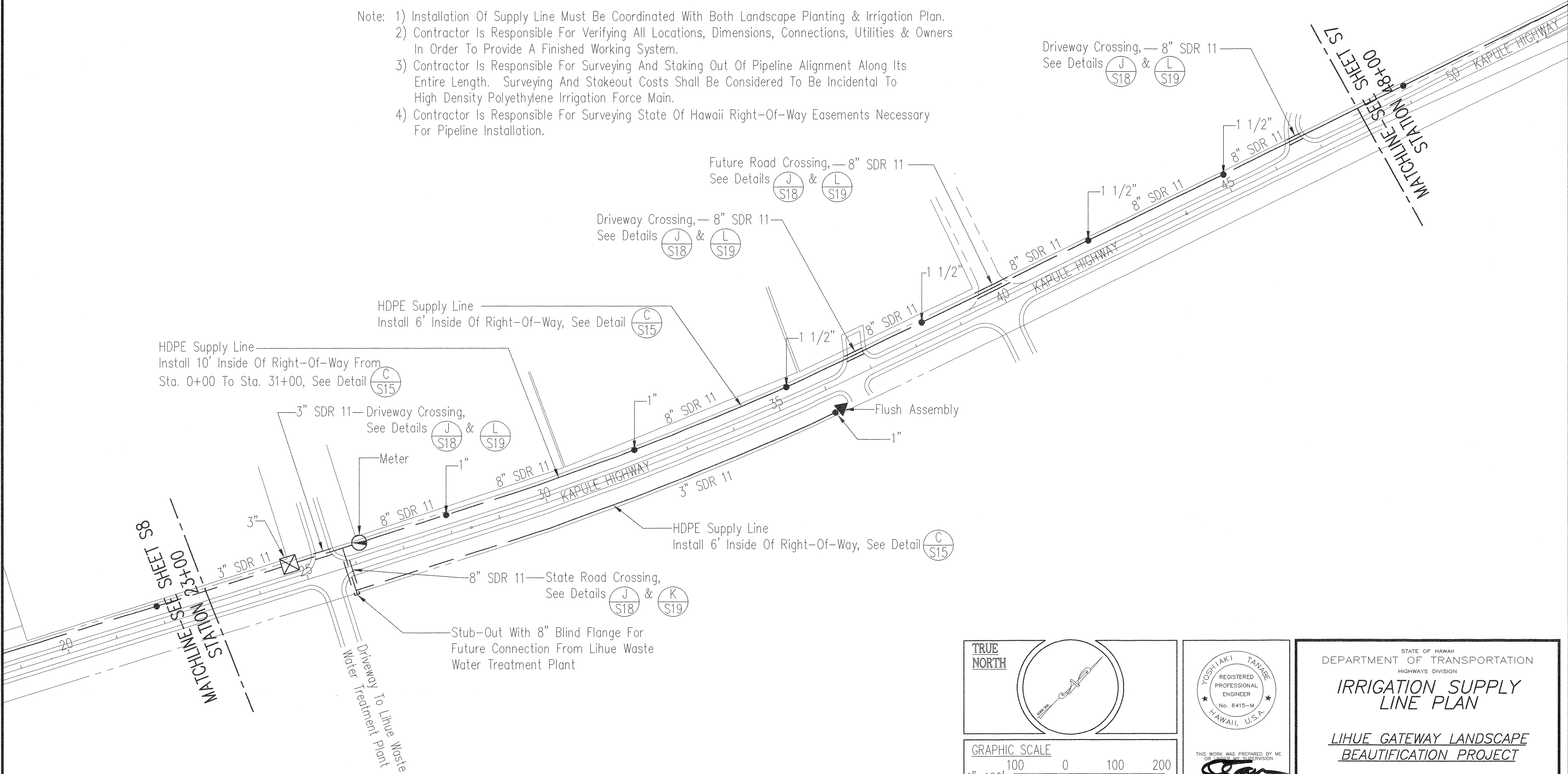
Flush Assembly, See Detail 

M

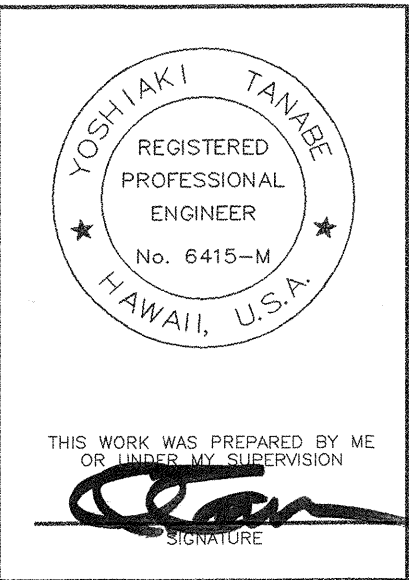
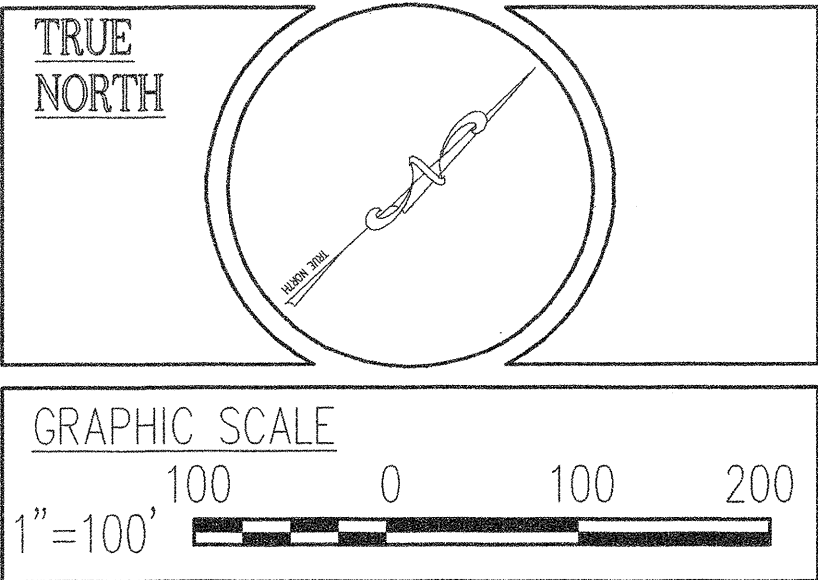
S19
- ← 3"

Size Of Stub-Out Or Isolation Gate Valve

- Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.
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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
No.	DESIGNED BY	
	CHECKED BY	



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

IRRIGATION SUPPLY LINE PLAN

LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT

SCALE: 1"=100'-0"

DATE: July 31, 1998

SHEET No. S9 OF 23 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	26	141

LEGEND

- — —

HDPE SUPPLY LINE
- Irrigation Stub-Out, See Detail 

E

S16
- ⊙

Field Meter, See Detail 

F

S16
- ⊠

Supply Line Isolation Gate Valve, See Detail 

G

S17

 & 

H

S17
- ▲

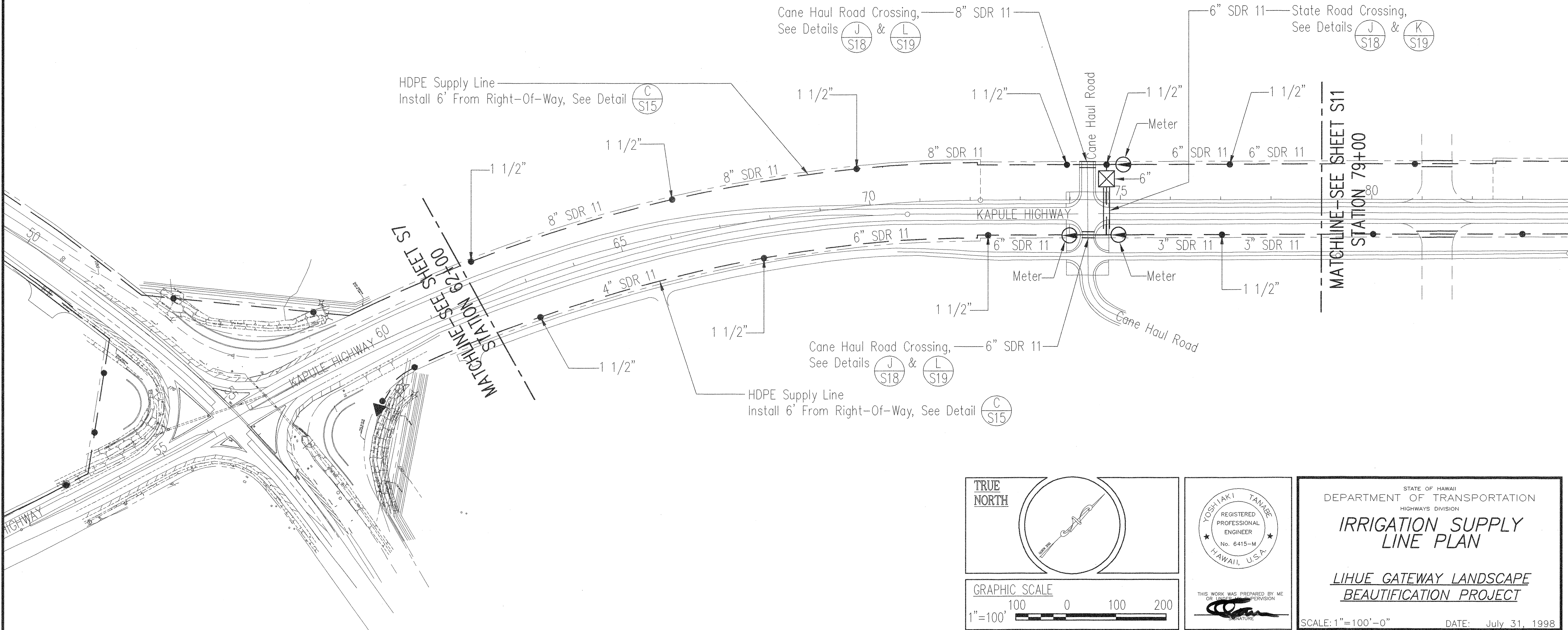
Flush Assembly, See Detail 

M

S19
- ← 3"

Size Of Stub-Out Or Isolation Gate Valve

- Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.
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ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	QUANTITIES BY	
	CHECKED BY	
No.		

STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**IRRIGATION SUPPLY  
LINE PLAN**

**LIHUE GATEWAY LANDSCAPE  
BEAUTIFICATION PROJECT**

SCALE: 1"=100'-0" DATE: July 31, 1998  
SHEET No. S10 OF 23 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	27	141

LEGEND

- HDPE SUPPLY LINE
- Irrigation Stub-Out, See Detail 

E

S16
- ⊙

Field Meter, See Detail 

F

S16
- ⊠

Supply Line Isolation Gate Valve, See Detail 

G

S17

 & 

H

S17
- ▲

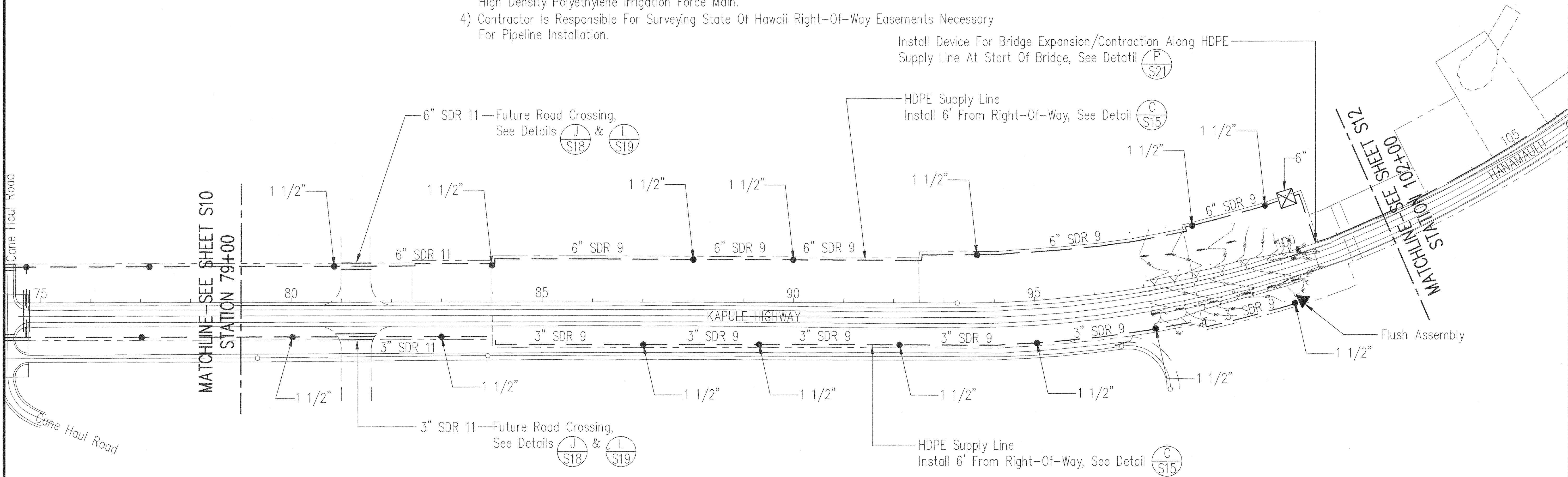
Flush Assembly, See Detail 

M

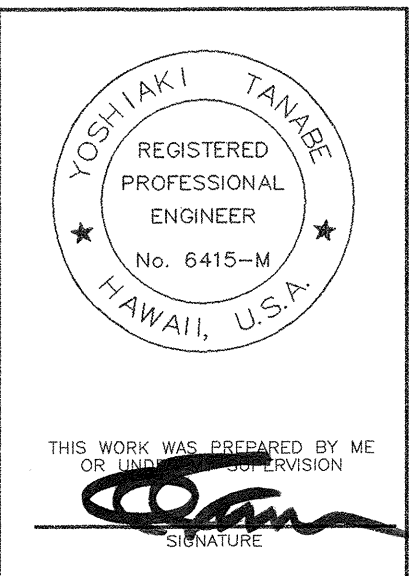
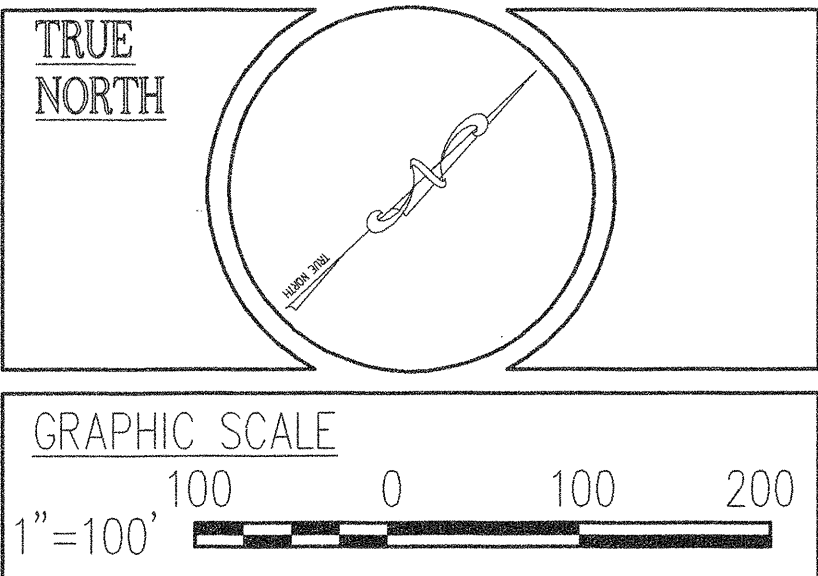
S19
- ←3"

Size Of Stub-Out Or Isolation Gate Valve

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



STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

IRRIGATION SUPPLY LINE PLAN

LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT

SCALE: 1"=100'-0"

DATE: July 31, 1998

SHEET No. S11 OF 23 SHEETS

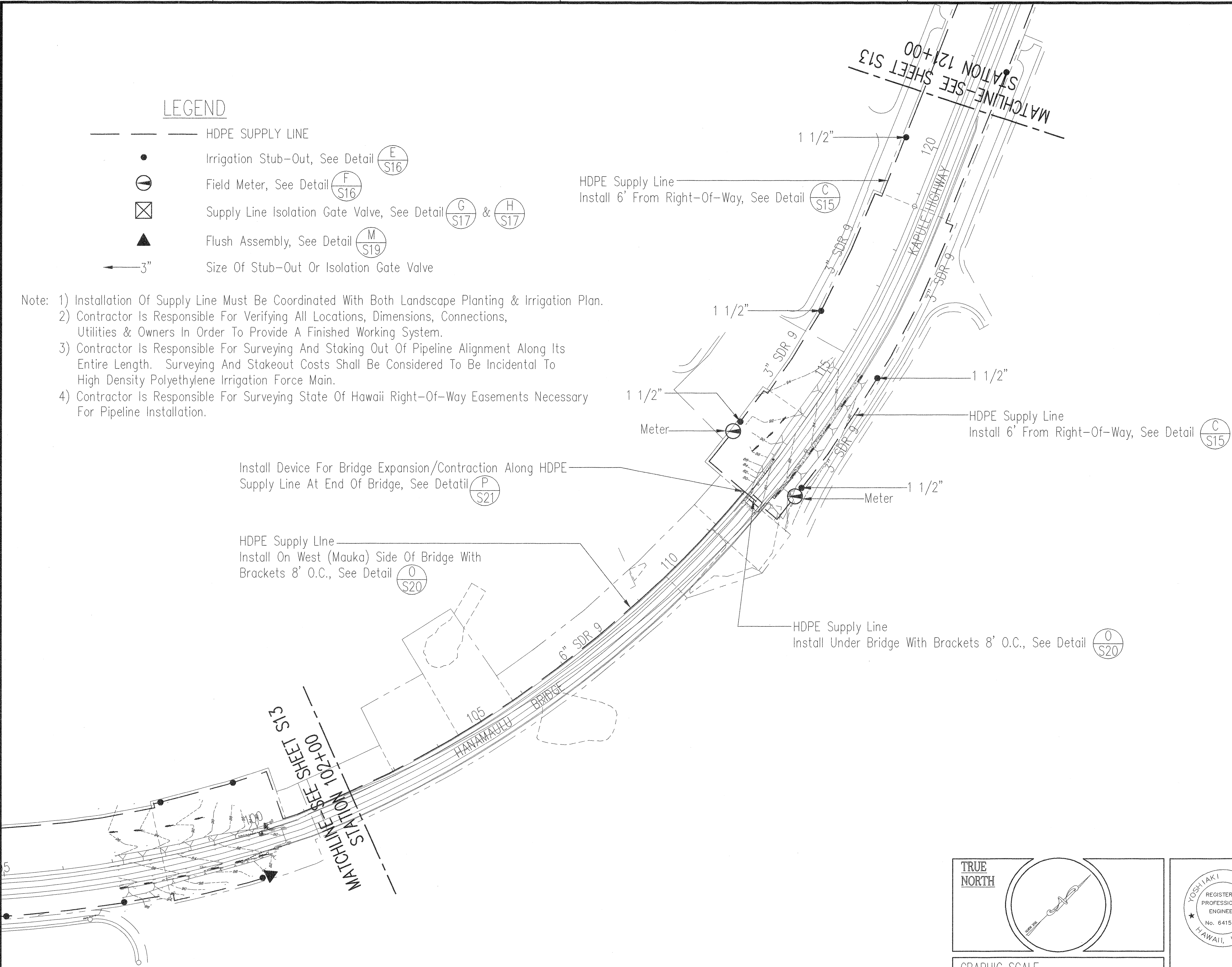


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	28	141

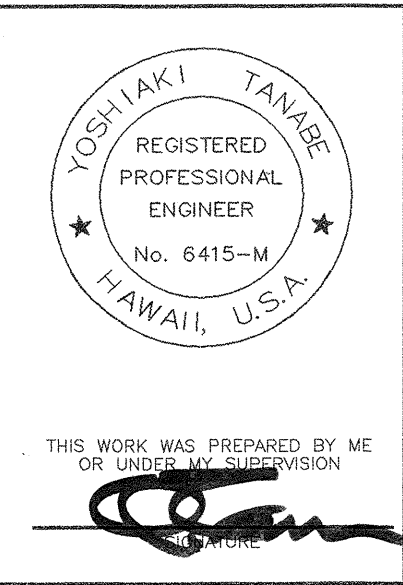
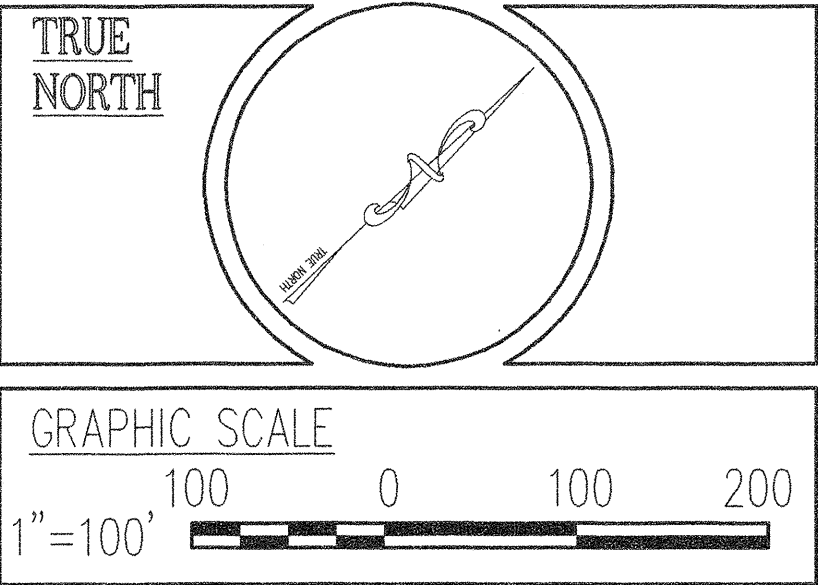
LEGEND

- HDPE SUPPLY LINE
- Irrigation Stub-Out, See Detail (E/S16)
- Field Meter, See Detail (F/S16)
- Supply Line Isolation Gate Valve, See Detail (G/S17) & (H/S17)
- Flush Assembly, See Detail (M/S19)
- Size Of Stub-Out Or Isolation Gate Valve

- Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.
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- 4) Contractor Is Responsible For Surveying State Of Hawaii Right-Of-Way Easements Necessary For Pipeline Installation.



ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
	DESIGNED BY	
	CHECKED BY	



STATE OF HAWAII  
DEPARTMENT OF TRANSPORTATION  
HIGHWAYS DIVISION  
**IRRIGATION SUPPLY LINE PLAN**  
  
**LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT**  
  
SCALE: 1"=100'-0"      DATE: July 31, 1998  
SHEET No. S12 OF 23 SHEETS



FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	STP-0700(43)	1998	29	141

LEGEND

HDPE SUPPLY LINE

•

Irrigation Stub-Out, See Detail 

E

S16

⊙

Field Meter, See Detail 

F

S16

⊠

Supply Line Isolation Gate Valve, See Detail 

G

S17

 & 

H

S17

▲

Flush Assembly, See Detail 

M

S19

←3"

Size Of Stub-Out Or Isolation Gate Valve

Note: 1) Installation Of Supply Line Must Be Coordinated With Both Landscape Planting & Irrigation Plan.

2) Contractor Is Responsible For Verifying All Locations, Dimensions, Connections, Utilities & Owners In Order To Provide A Finished Working System.

3) Contractor Is Responsible For Surveying And Staking Out Of Pipeline Alignment Along Its Entire Length. Surveying And Stakeout Costs Shall Be Considered To Be Incidental To High Density Polyethylene Irrigation Force Main.

4) Contractor Is Responsible For Surveying State Of Hawaii Right-Of-Way Easements Necessary For Pipeline Installation.

HDPE Supply Line

Install 6' From Right-Of-Way, See Detail 

C

S15

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

TRUE NORTH

GRAPHIC SCALE

1"=100'

100 0 100 200

YOSHIAKI TANASE

REGISTERED PROFESSIONAL ENGINEER

No. 6415-M

HAWAII, U.S.A.

THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

SIGNATURE

STATE OF HAWAII

DEPARTMENT OF TRANSPORTATION

HIGHWAYS DIVISION

IRRIGATION SUPPLY LINE PLAN

LIHUE GATEWAY LANDSCAPE BEAUTIFICATION PROJECT

SCALE: 1"=100'-0"

DATE: July 31, 1998

SHEET No. S13 OF 23 SHEETS

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