

ABBREVIATIONS

PIPING

FIRE PROTECTION AND DOMESTIC WATER

FITTINGS

SYMBOLS

PLUMBING FIXTURES

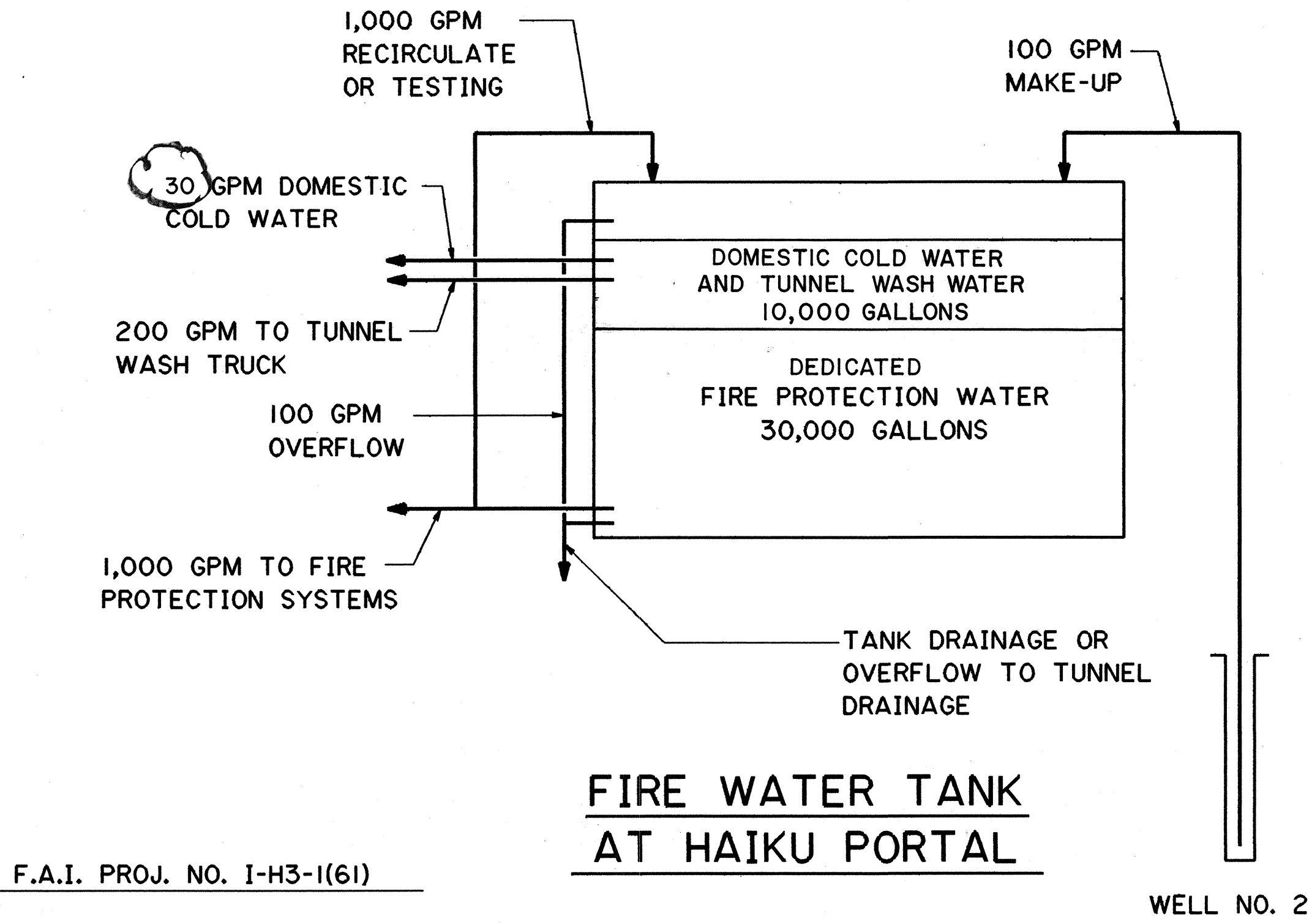
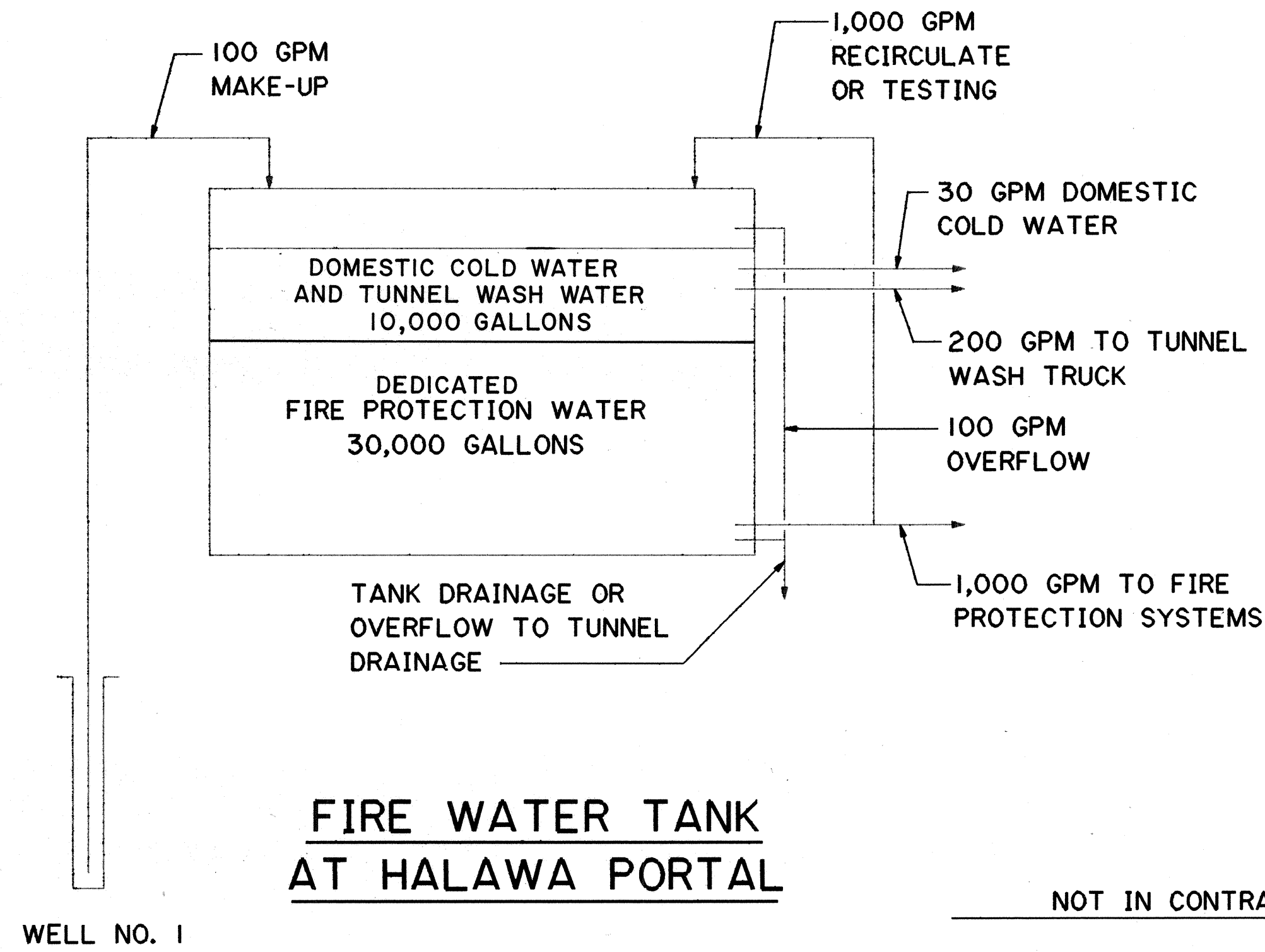
GENERAL NOTES

- ## FIRE PROTECTION EQUIPMENT

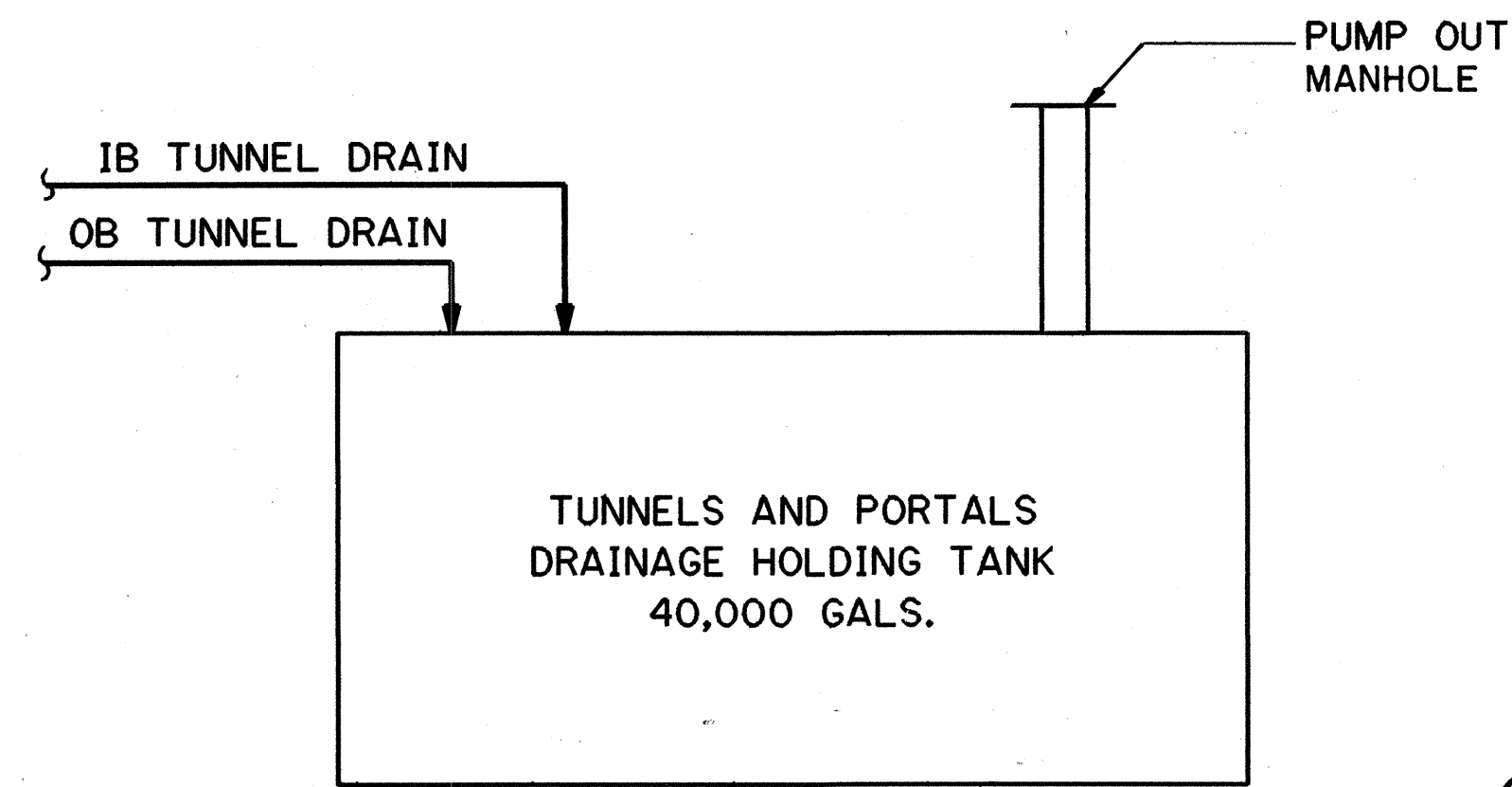
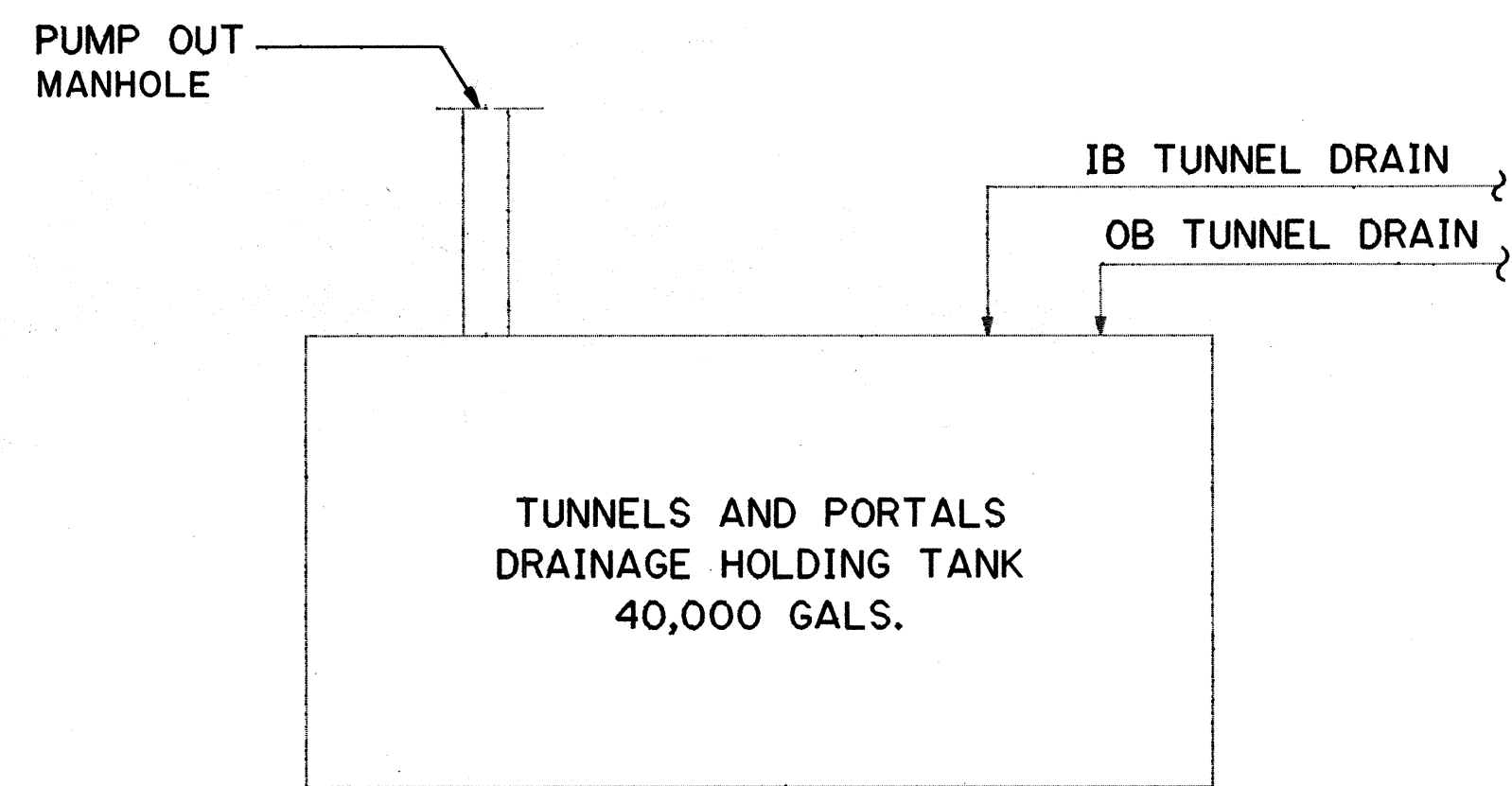
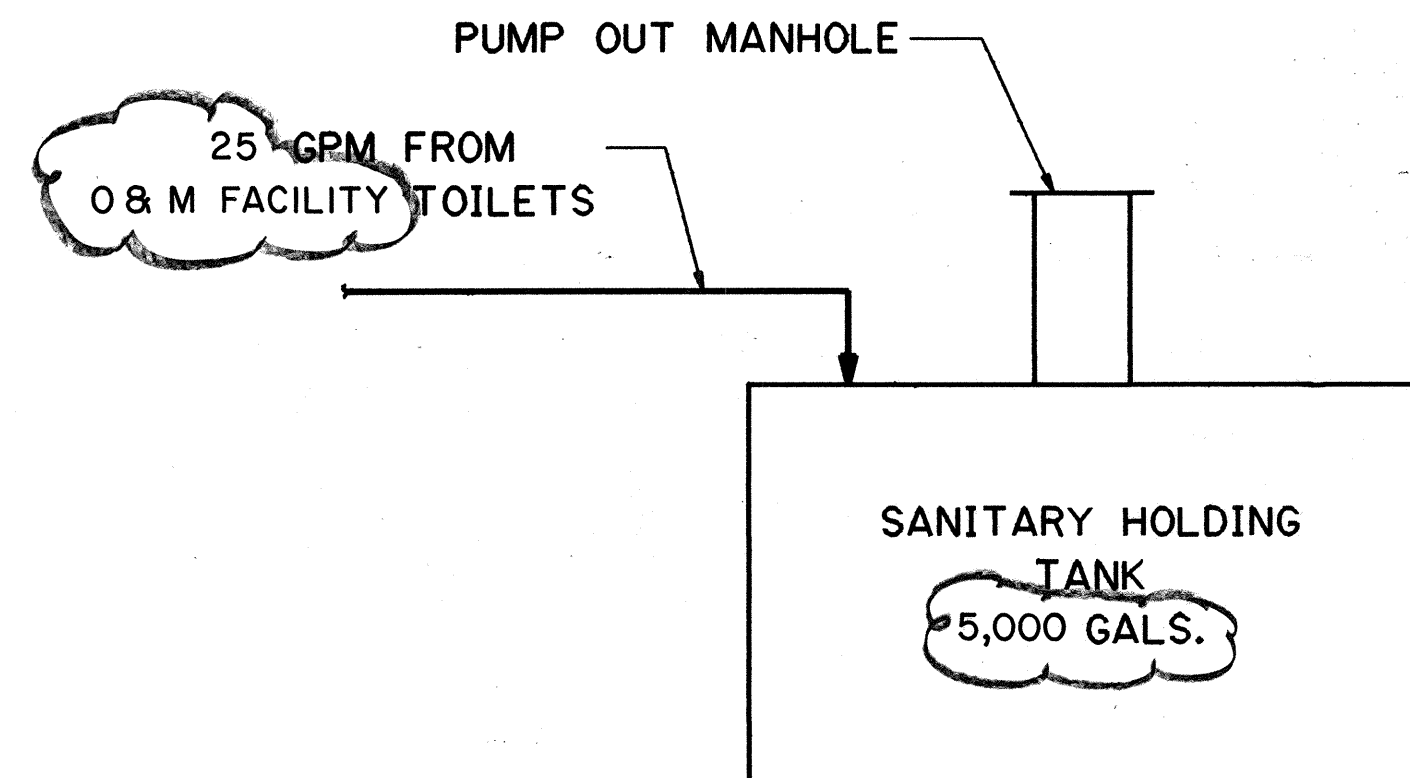
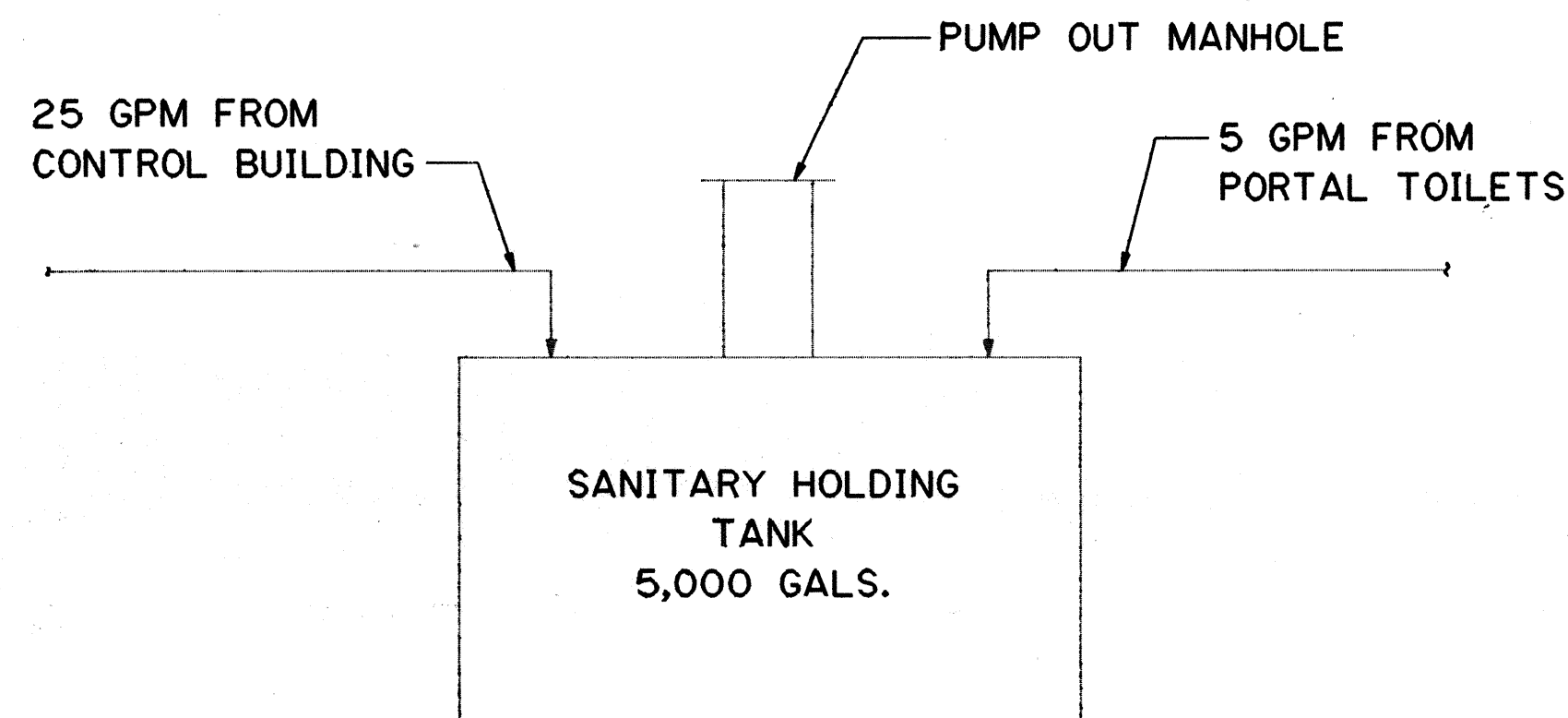
CONTROLS AND INSTRUMENTATION

[Signature]

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-I(61)	1990	281	424

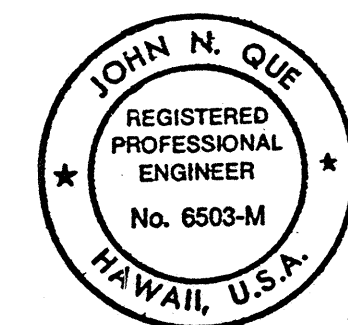


NOT IN CONTRACT F.A.I. PROJ. NO. I-H3-I(61)



HALAWA APPROACH

HAIKU APPROACH



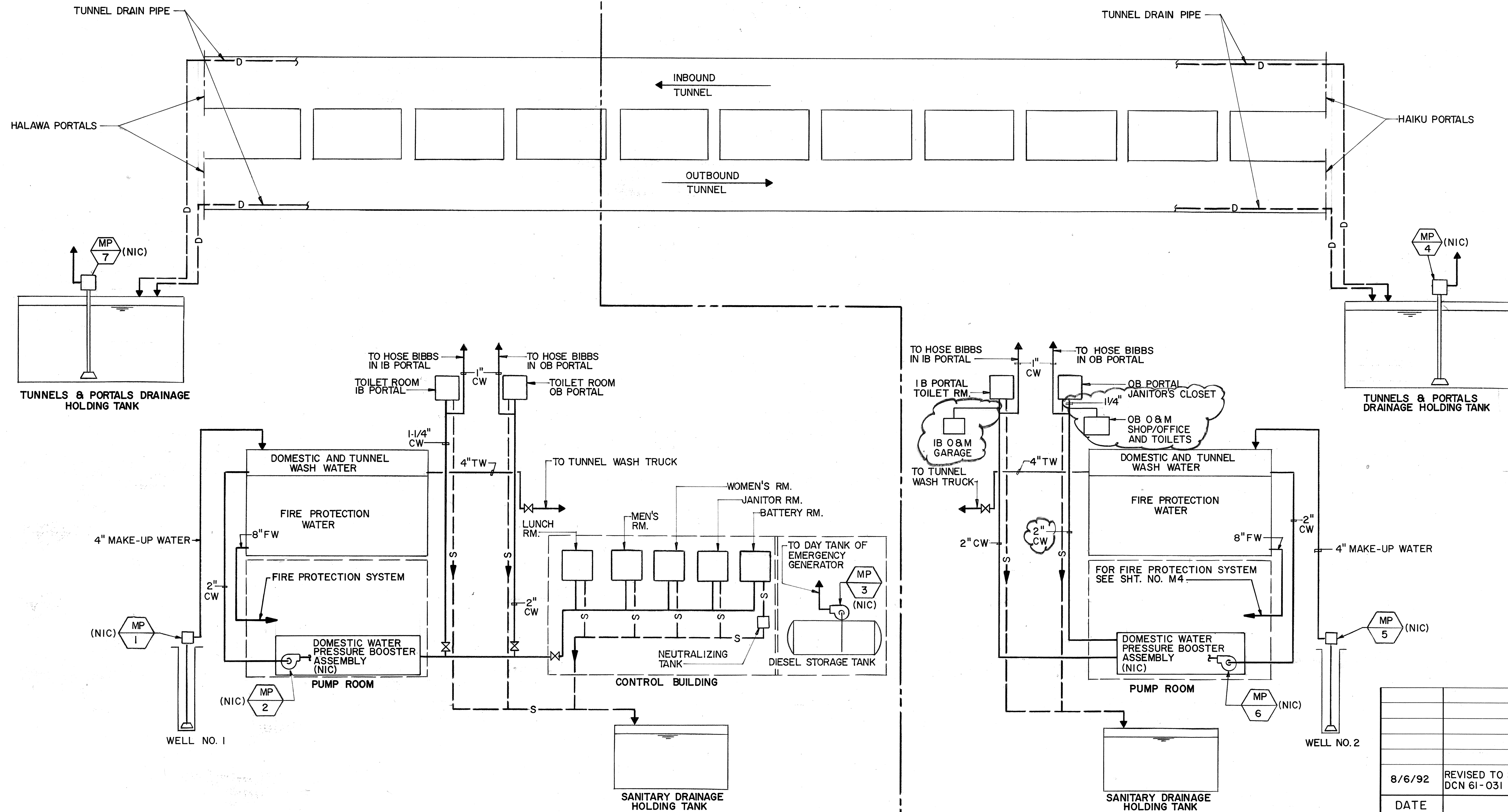
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

DATE	REVISION
8/6/92	REVISED DOMESTIC WATER GPM AND SANITARY GPM & TANK SIZE PER DCN61-031
4/26/90	DELETED NOTE: 25 GPM FROM CONTROL BUILDING
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION WATER BALANCE DIAGRAM STANDARDS INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-I(61)	
SCALE: NONE	DATE: JAN 1990
SHEET NO. M2	OF 8 SHEETS

C.O. ADD.281

DATE	5/12/89
DRAWN BY	ELIQUINT, JR.
DESIGNED BY	P.L.LALOE
QUANTITIES BY	
CHECKED BY	DIEDRYEN
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	282	424



ORIGINAL PLAN	DATE
DESIGNED BY	6/12/89
CHECKED BY	6/4/89
NO.	6/6/89

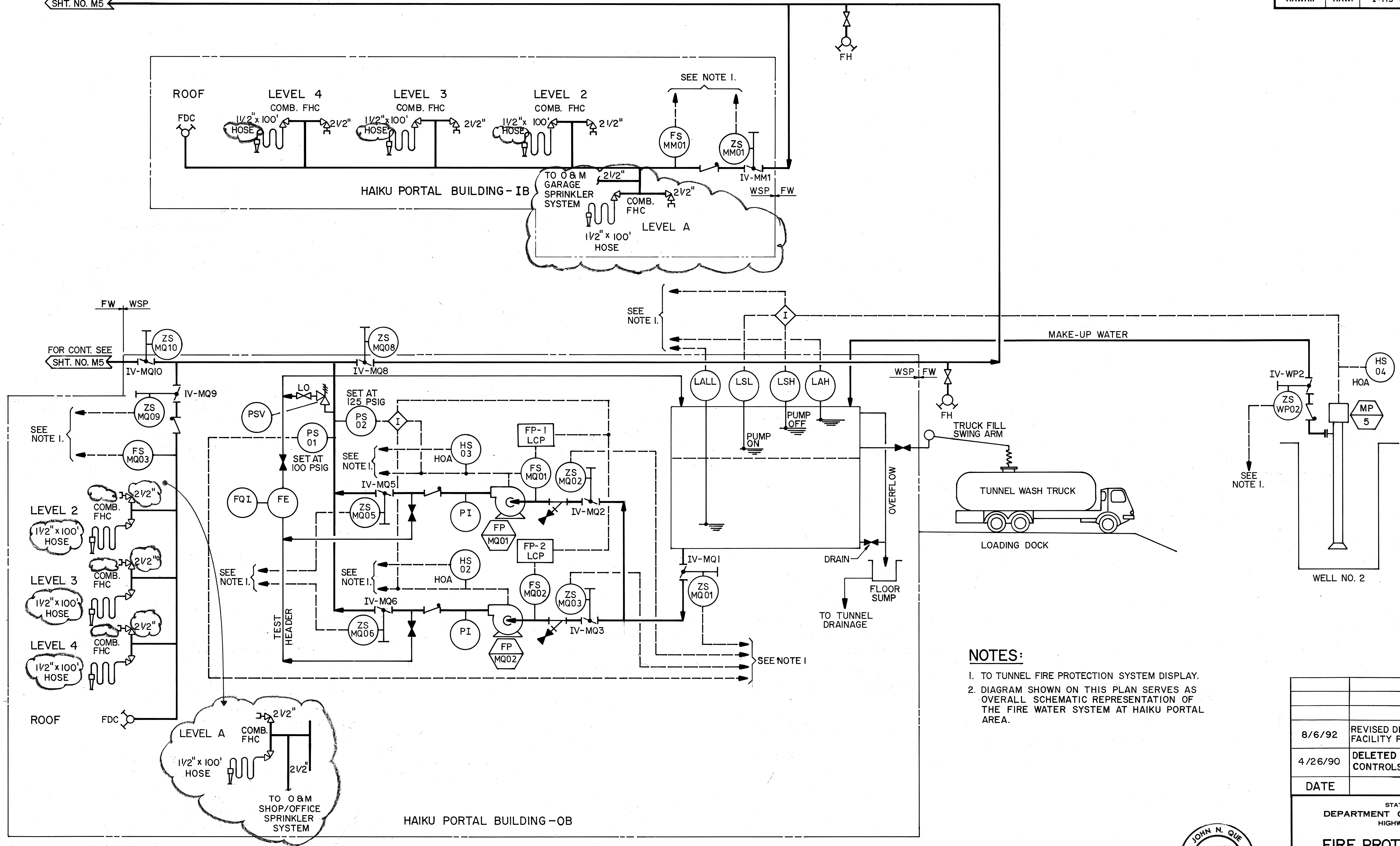


THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

8/6/92	REVISED TO SHOW O & M FACILITY PER DCN 61-031
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PLUMBING - PIPING DIAGRAM STANDARDS	
INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)	
SCALE: NONE	DATE: JAN 1990
SHEET No. M3 OF 8 SHEETS	

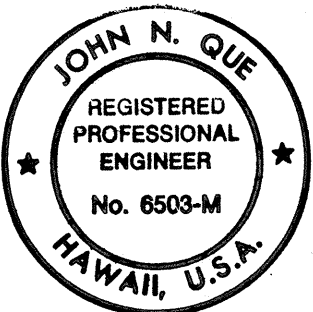
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	283	424

FOR CONT. SEE
SHT. NO. M5



- NOTES:
1. TO TUNNEL FIRE PROTECTION SYSTEM DISPLAY.
 2. DIAGRAM SHOWN ON THIS PLAN SERVES AS OVERALL SCHEMATIC REPRESENTATION OF THE FIRE WATER SYSTEM AT HAIKU PORTAL AREA.

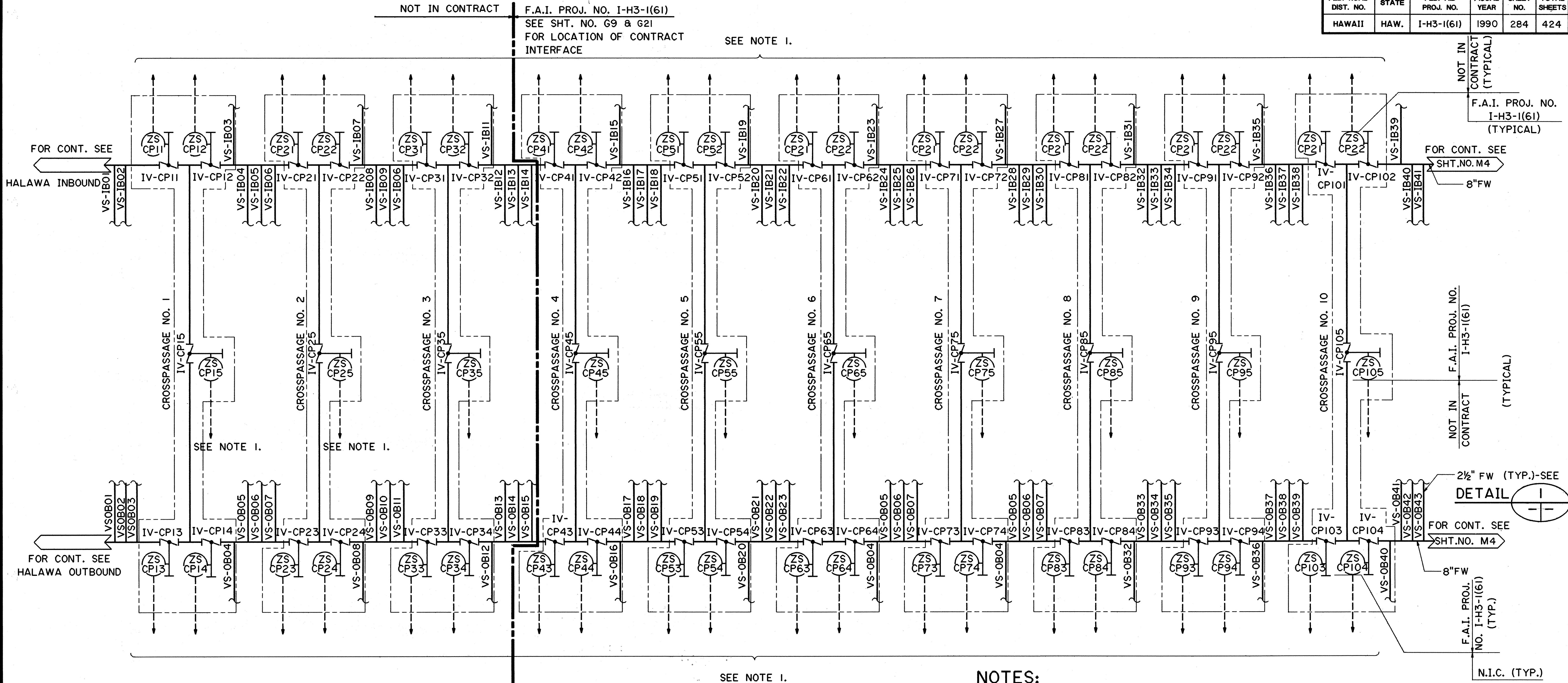
DATE	REVISION
8/6/92	REVISED DIAGRAM TO SHOW O & M FACILITY PER DCN 61-031
4/26/90	DELETED JOCKEY PUMP PIPING & CONTROLS
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION FIRE PROTECTION-P&ID-1 STANDARDS INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61) SCALE: NONE DATE: JAN 1990	
SHEET NO. M4 OF 8 SHEETS	



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OR UNDER MY SUPERVISION

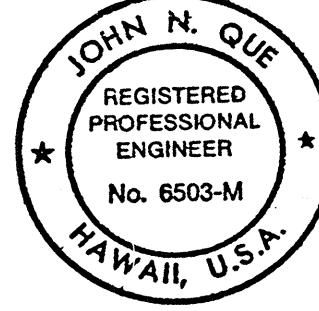
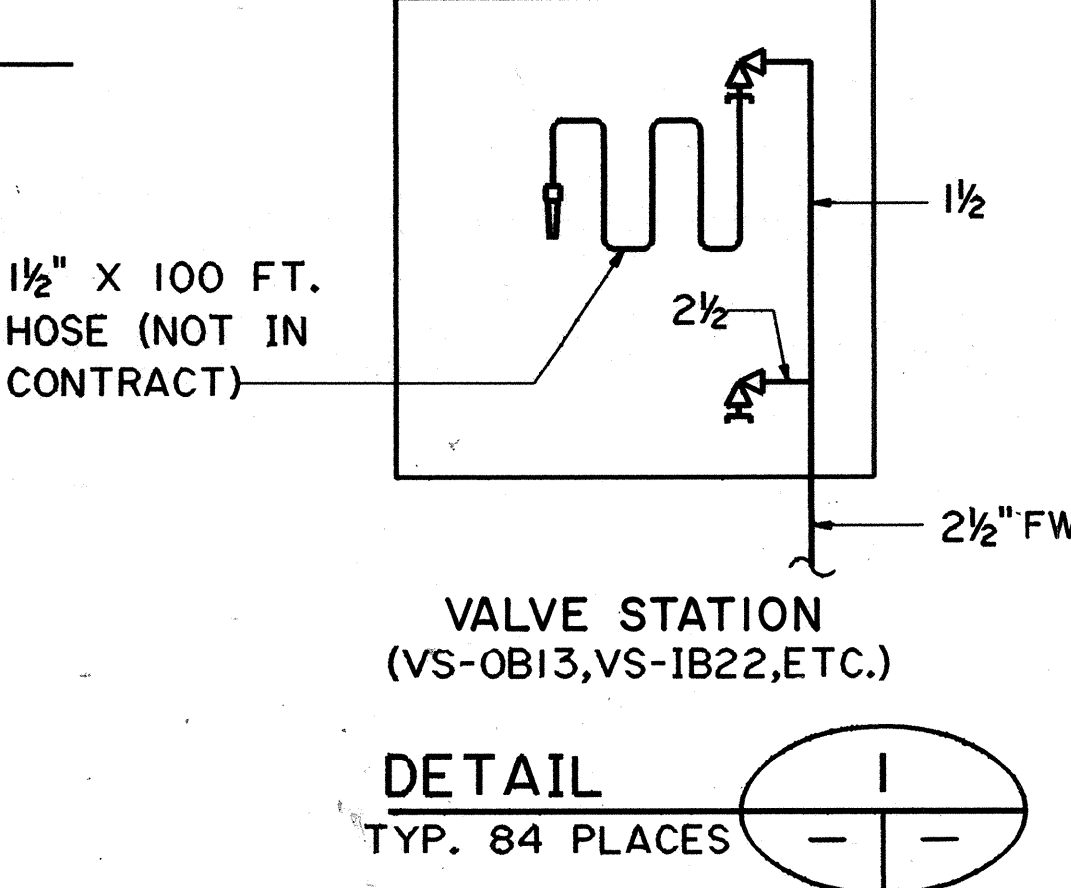
SURVEY PLOTTED BY	DATE
DRAWN BY	4/26/88
TRACED BY	4/3/88
NOTED BY	6/27/89
CHECKED BY	
ORIGINAL PLAN	
NOTE BOOK	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	284	424



NOTES:

I. TO TUNNEL FIRE PROTECTION SYSTEM DISPLAY.

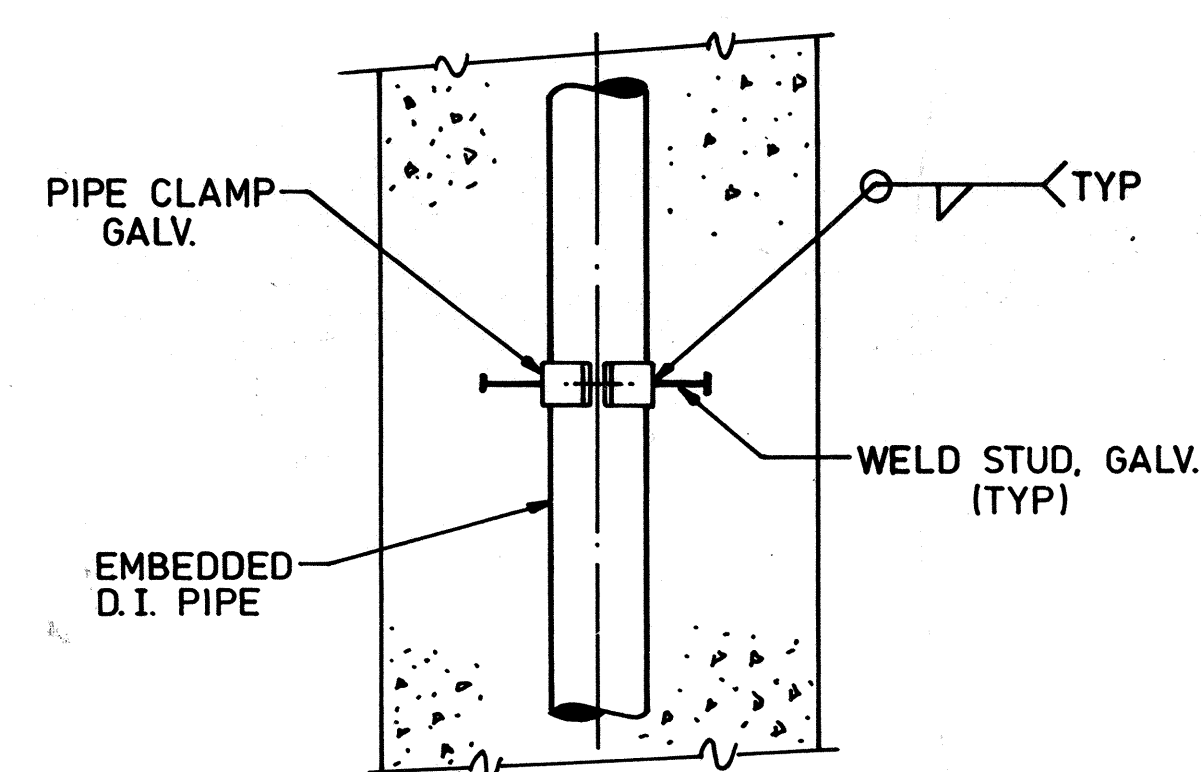


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OR UNDER MY SUPERVISION

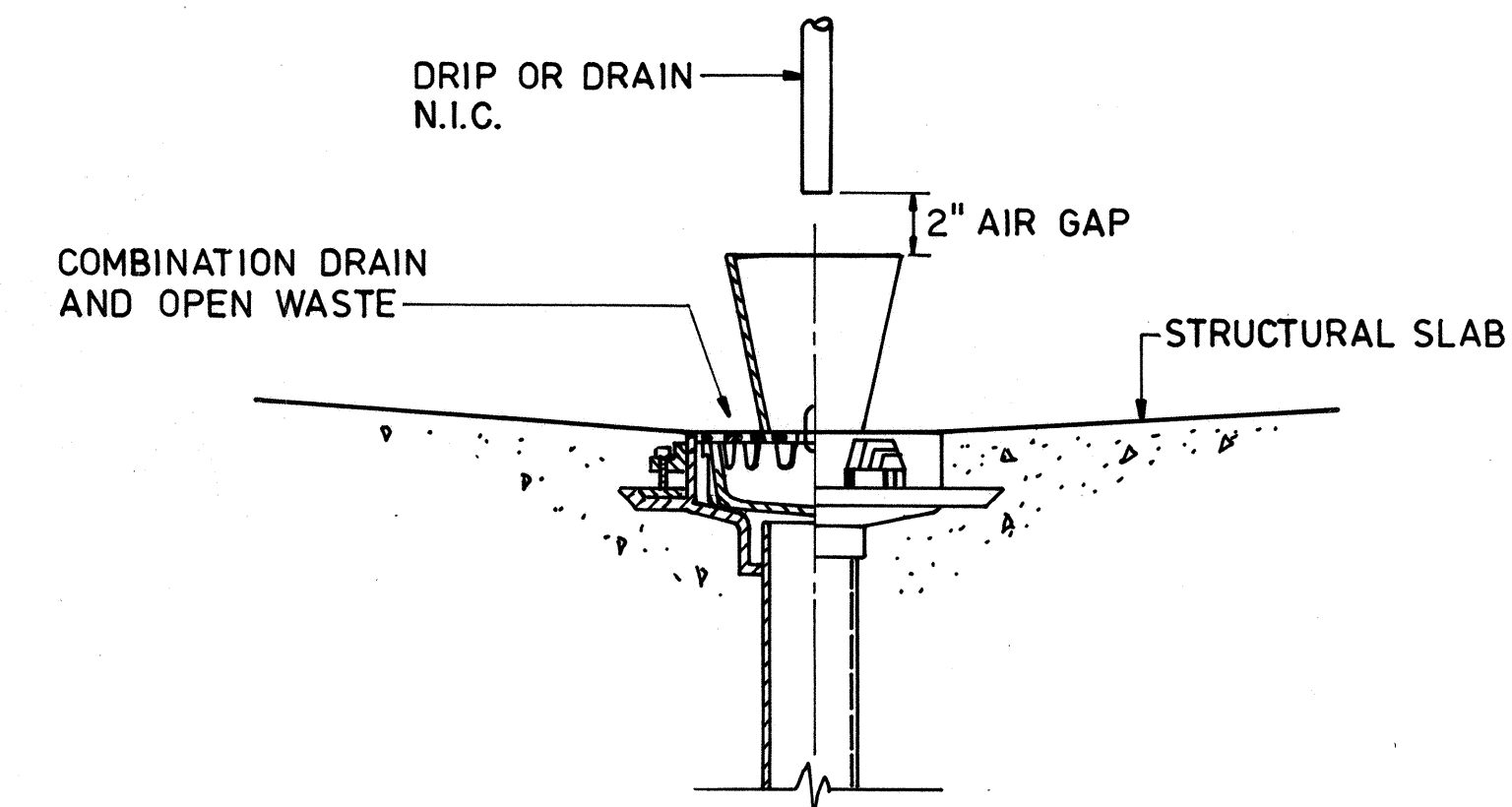
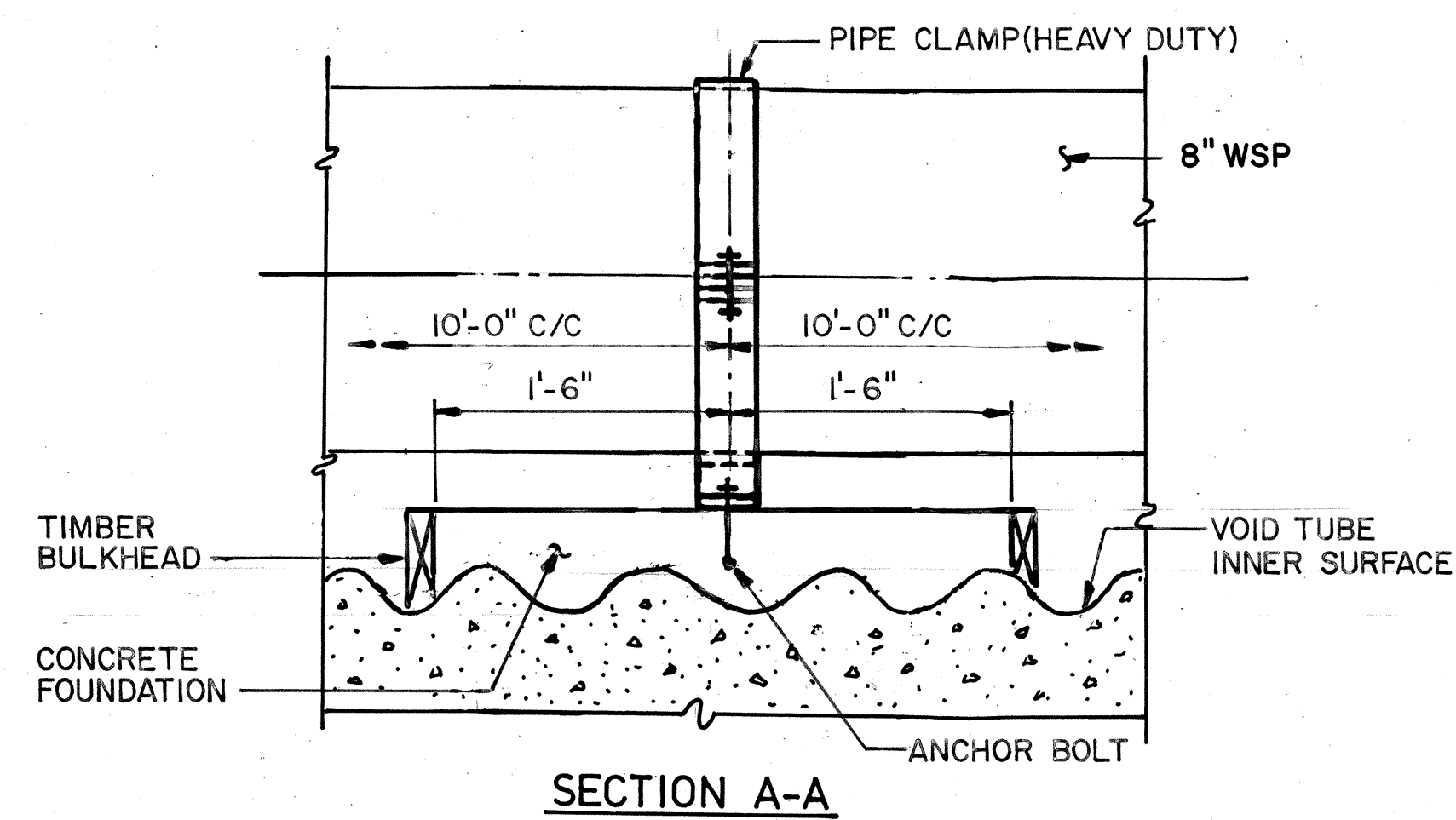
DATE	REVISION
4/26/90	REVISED 8"FW FOR CONT. SEE SHT. NO. M5 TO M4
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
FIRE PROTECTION - P & ID - 2 STANDARDS INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)	
SCALE: NONE	DATE: JAN 1990
SHEET NO. M5	OF 8 SHEETS

SURVEY PLOTTED BY	DATE
DRAWN BY	5/12/89
CHECKED BY	5/10/89
NOTED BY	5/27/89
ORIGINAL PLAN	
NOTE BOOK	
NO.	

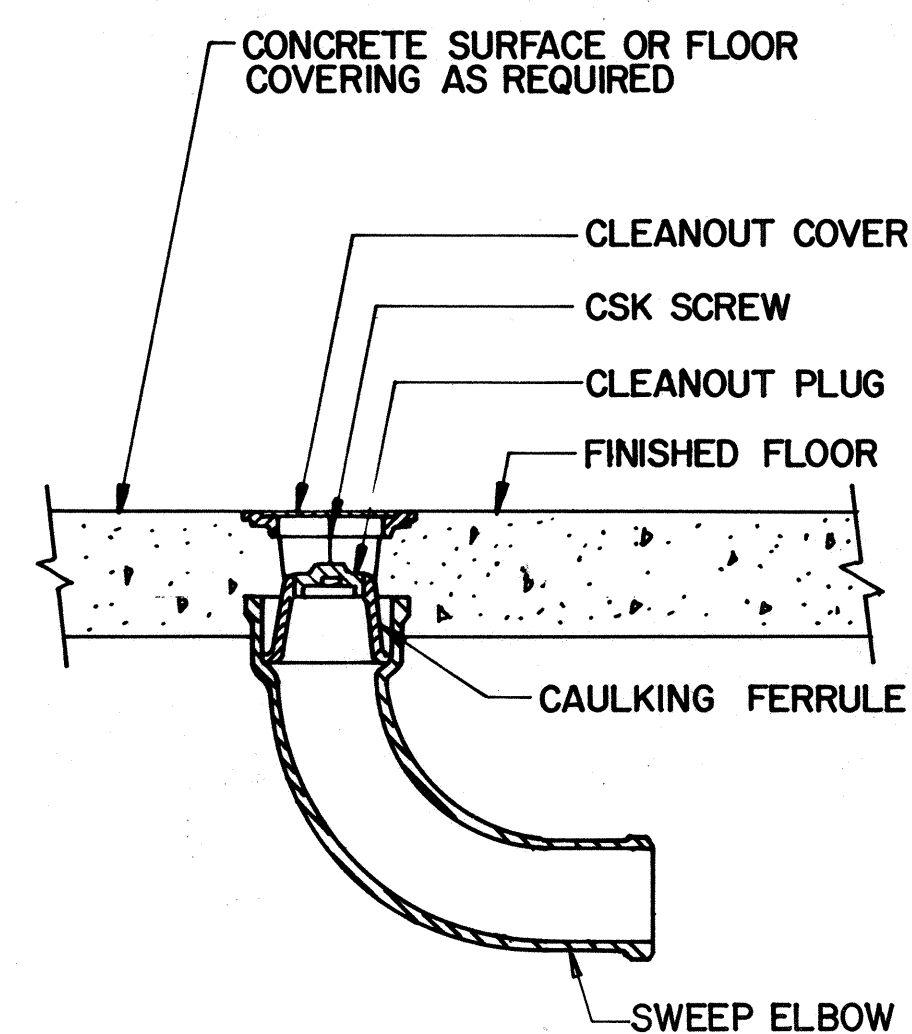
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	285	424



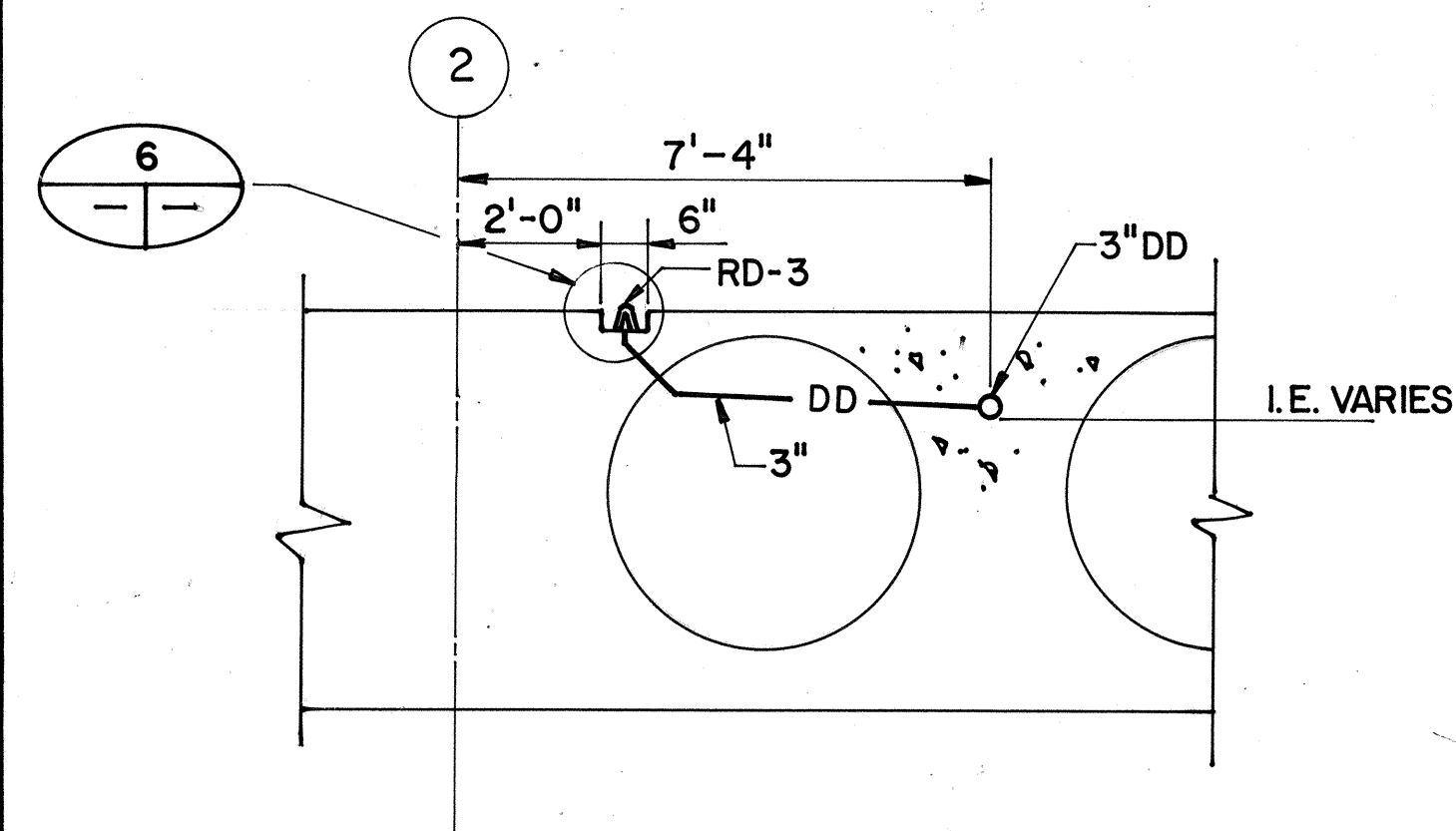
PIPE ANCHOR DETAIL



FD-3 FLOOR DRAIN INSTALLATION DETAIL
FD-4 FLOOR DRAIN SIMILAR W/O FUNNEL
N.T.S.



FLOOR CLEANOUT IN FINISHED ROOMS 4
N.T.S. — | M6



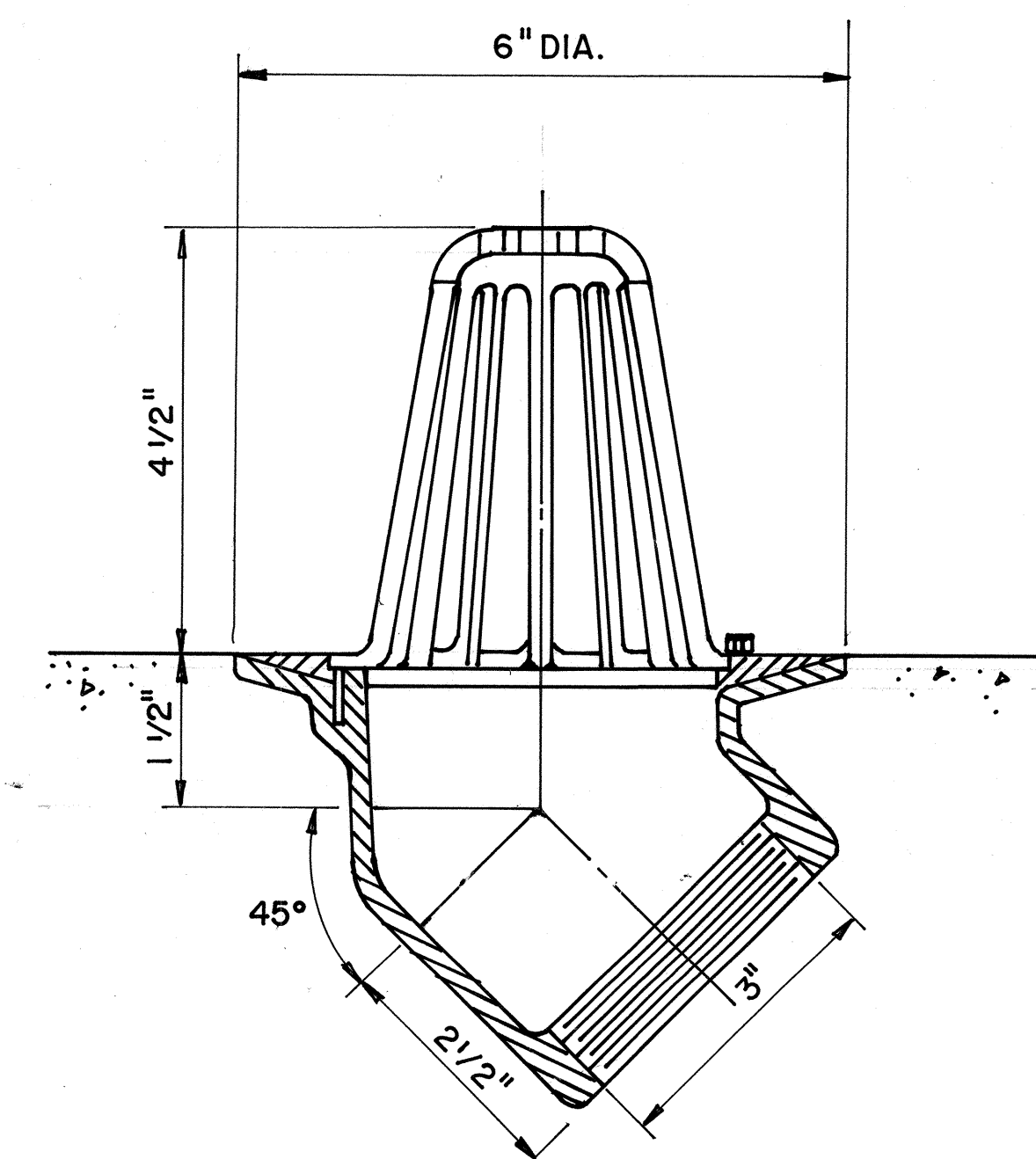
DETAIL

N.T.S.

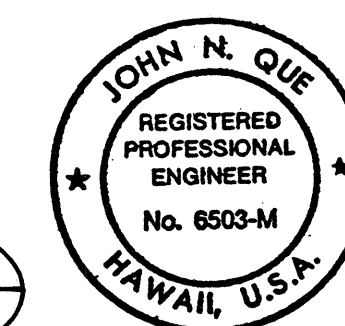
5

MM3
MQ3

M6



RD-3 FLOOR INSTALLATION DETAIL (6)



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DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLUMBING DETAILS-I

STANDARDS

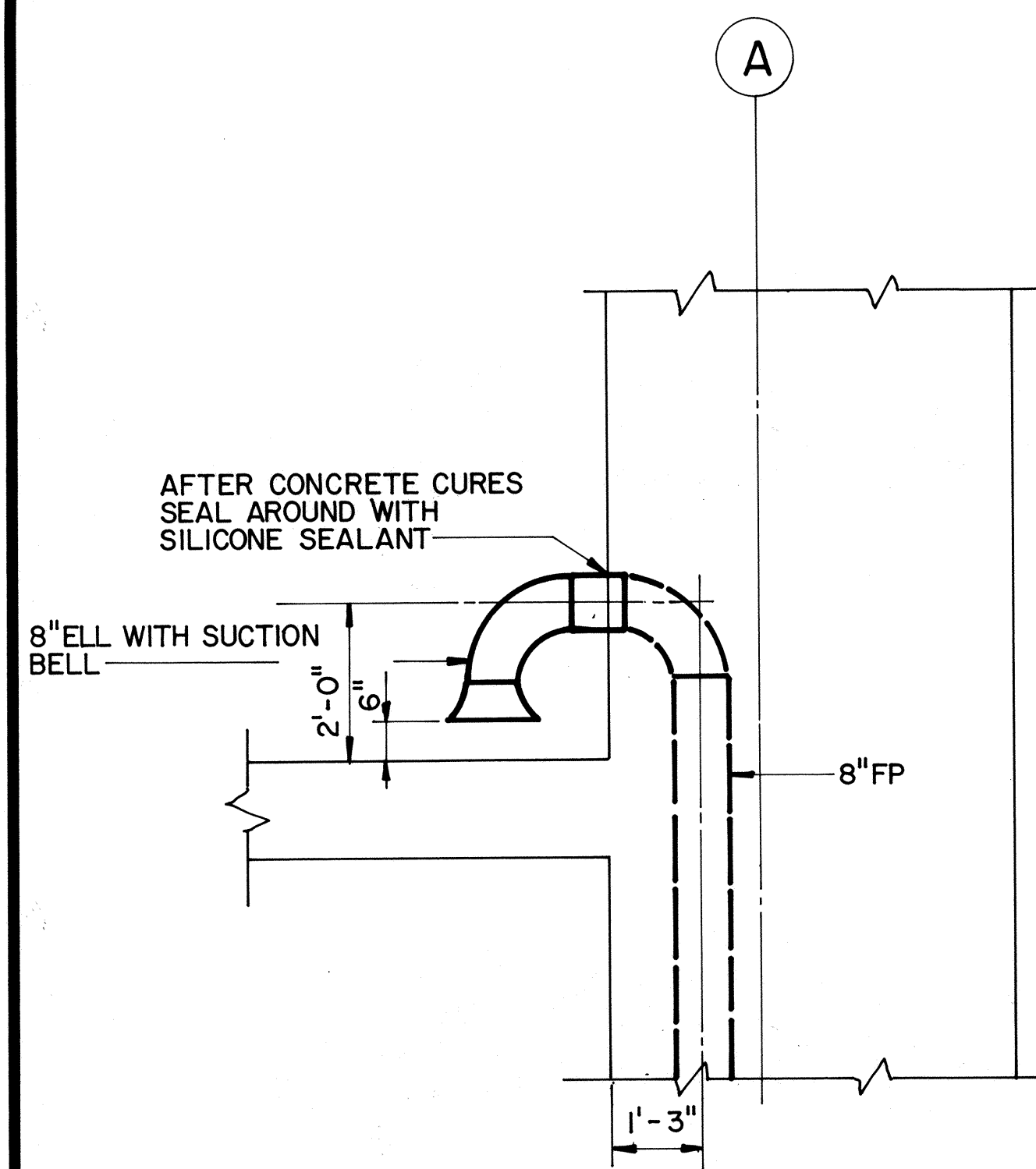
INTERSTATE ROUTE H-3
 F.A.I. PROJ. NO. I-H3-1(61)

SCALE: NONE
DATE: JAN 1990

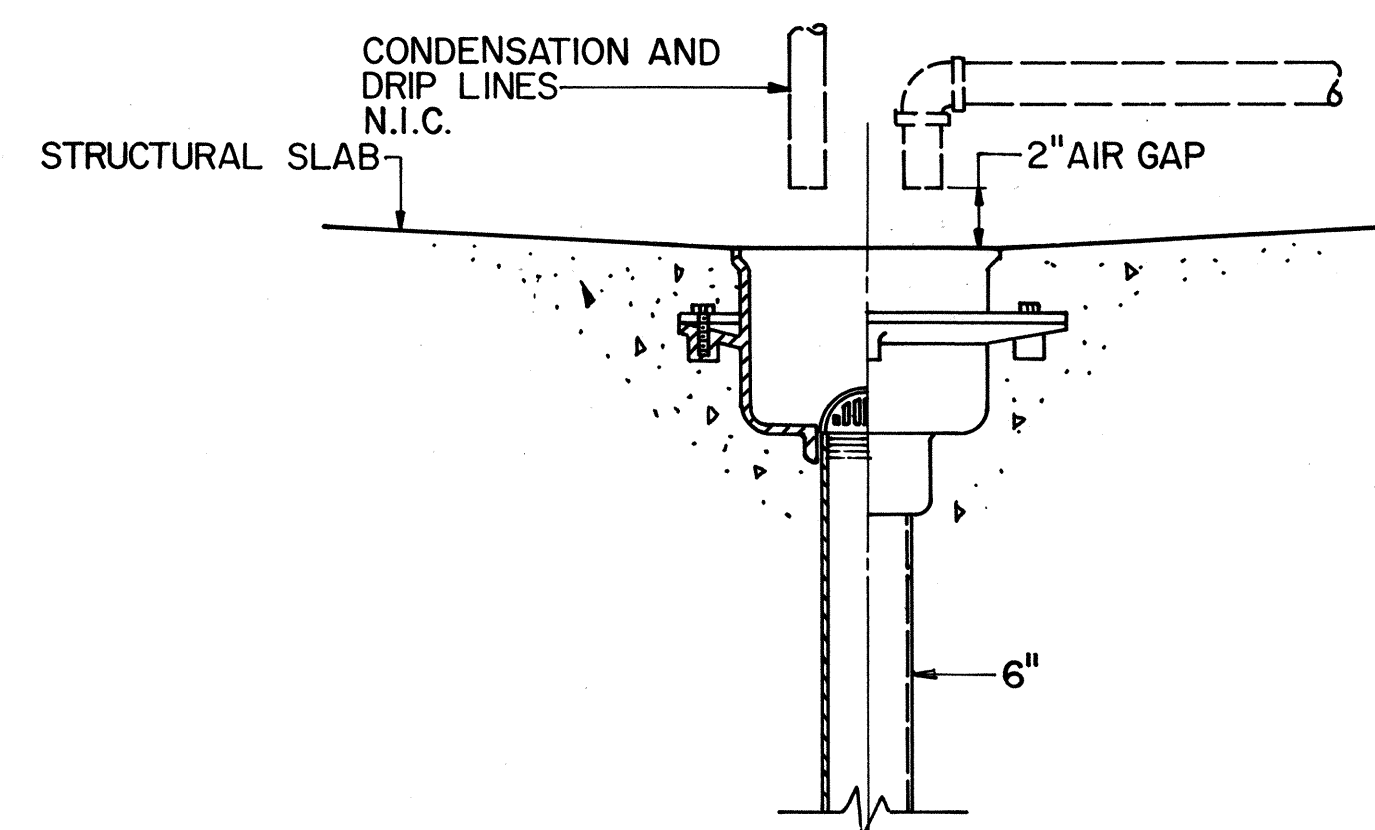
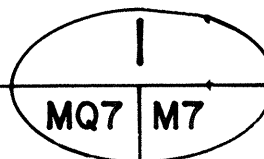
SHEET NO. **M6** OF 8 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE: <u>5/22/89</u>
NOTE BOOK	DRAWN BY <u>B. F. BUNYI</u>	*
	TRACED BY _____	*
	DESIGNED BY <u>P. L. LALOUE</u>	<u>5/15/89</u>
	QUANTITIES BY _____	*
No. _____	CHECKED BY <u>D. E. DRYDEN</u>	<u>6/12/89</u>

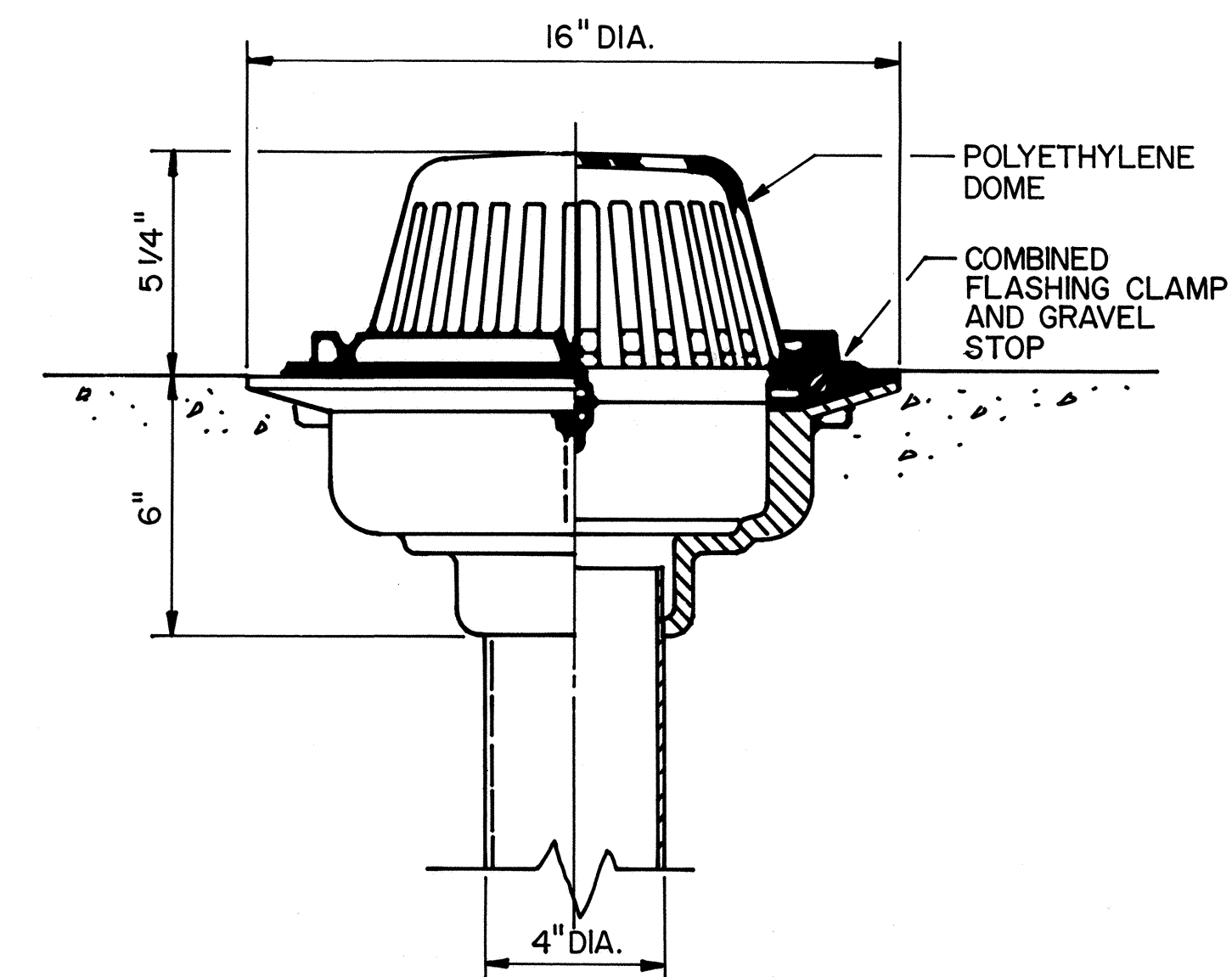
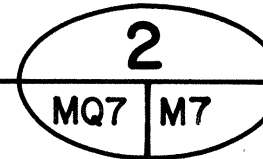
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	286	424



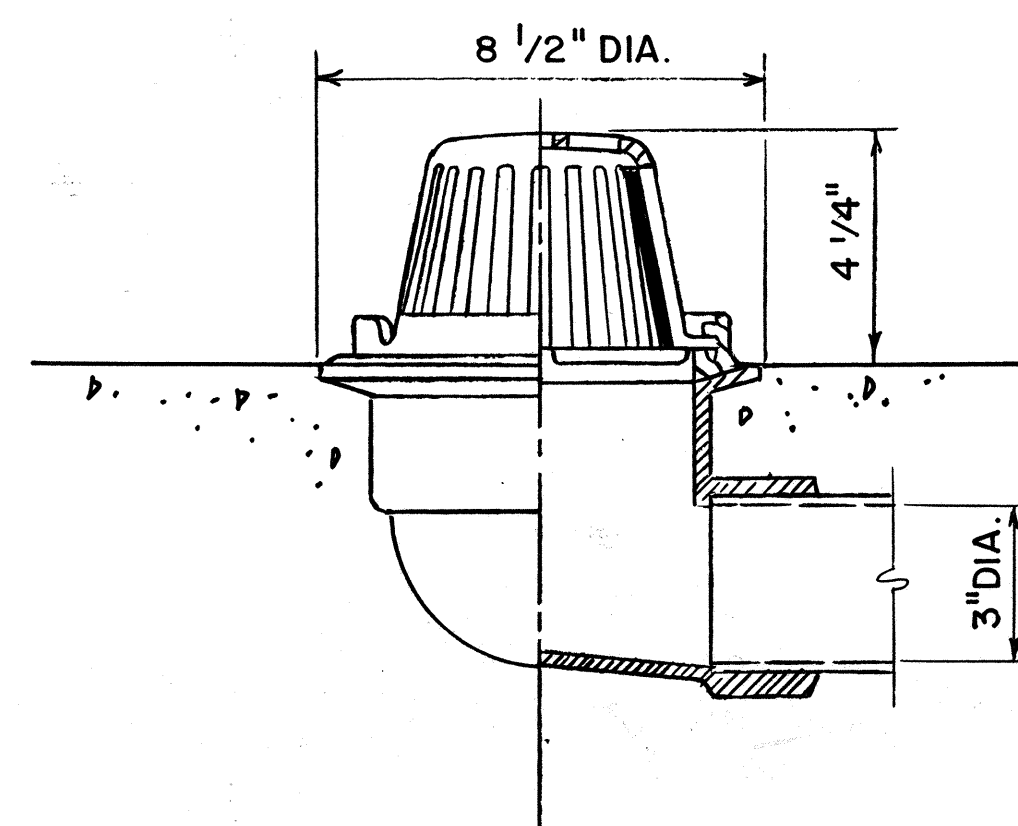
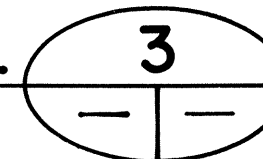
FIRE PUMP SUCTION PIPE INSTALLATION DETAIL



FS-1 FLOOR SINK INSTALLATION DETAIL

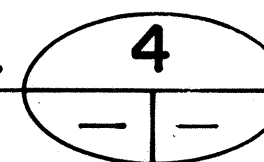


RD-1 ROOF DRAIN INSTALLATION DETAIL

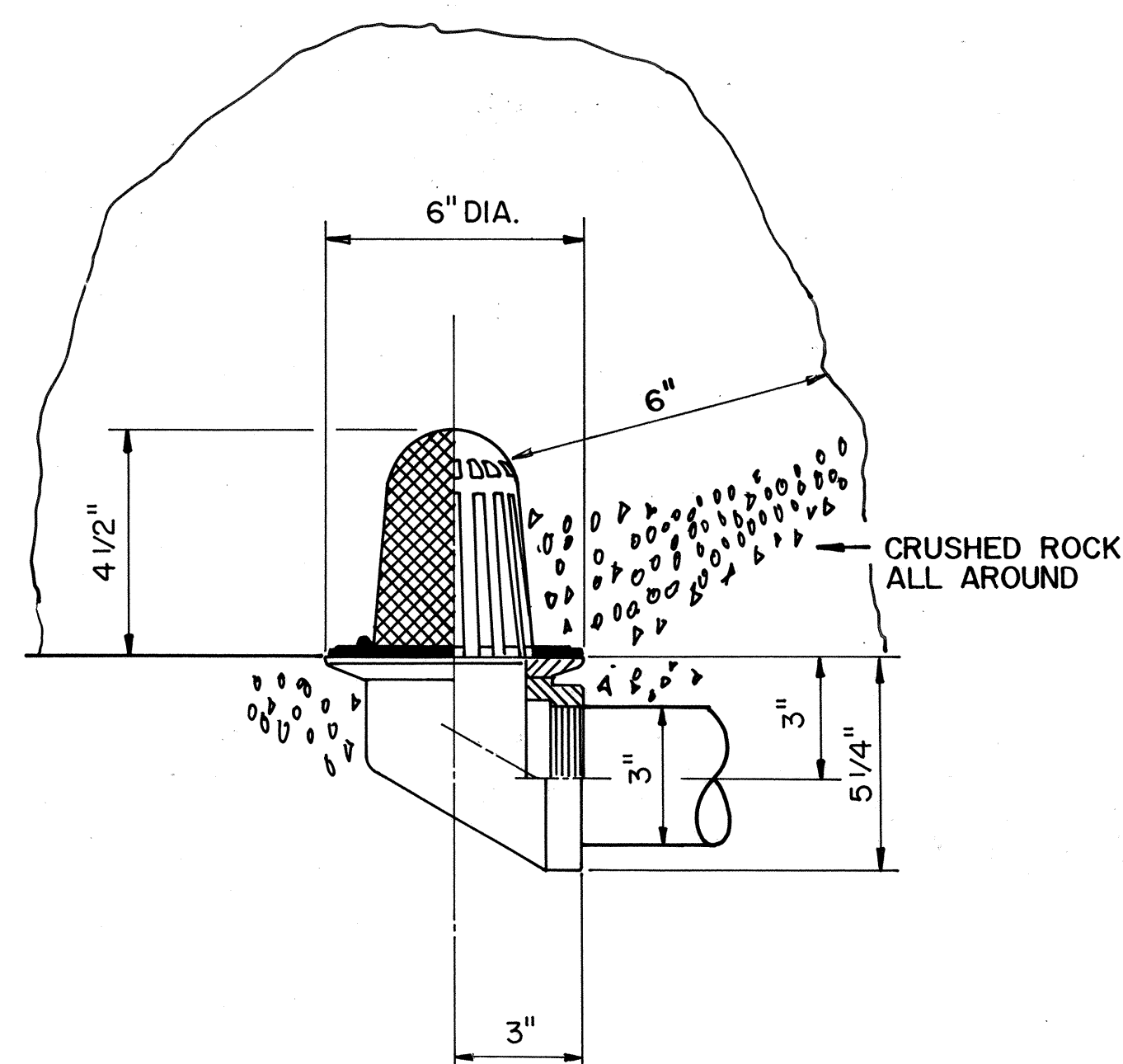


NOTE: OD-2 SIMILAR BUT WITH 2" HIGH DAM -
SEE DETAIL 6.

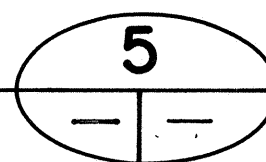
RD-2 ROOF DRAIN INSTALLATION DETAIL



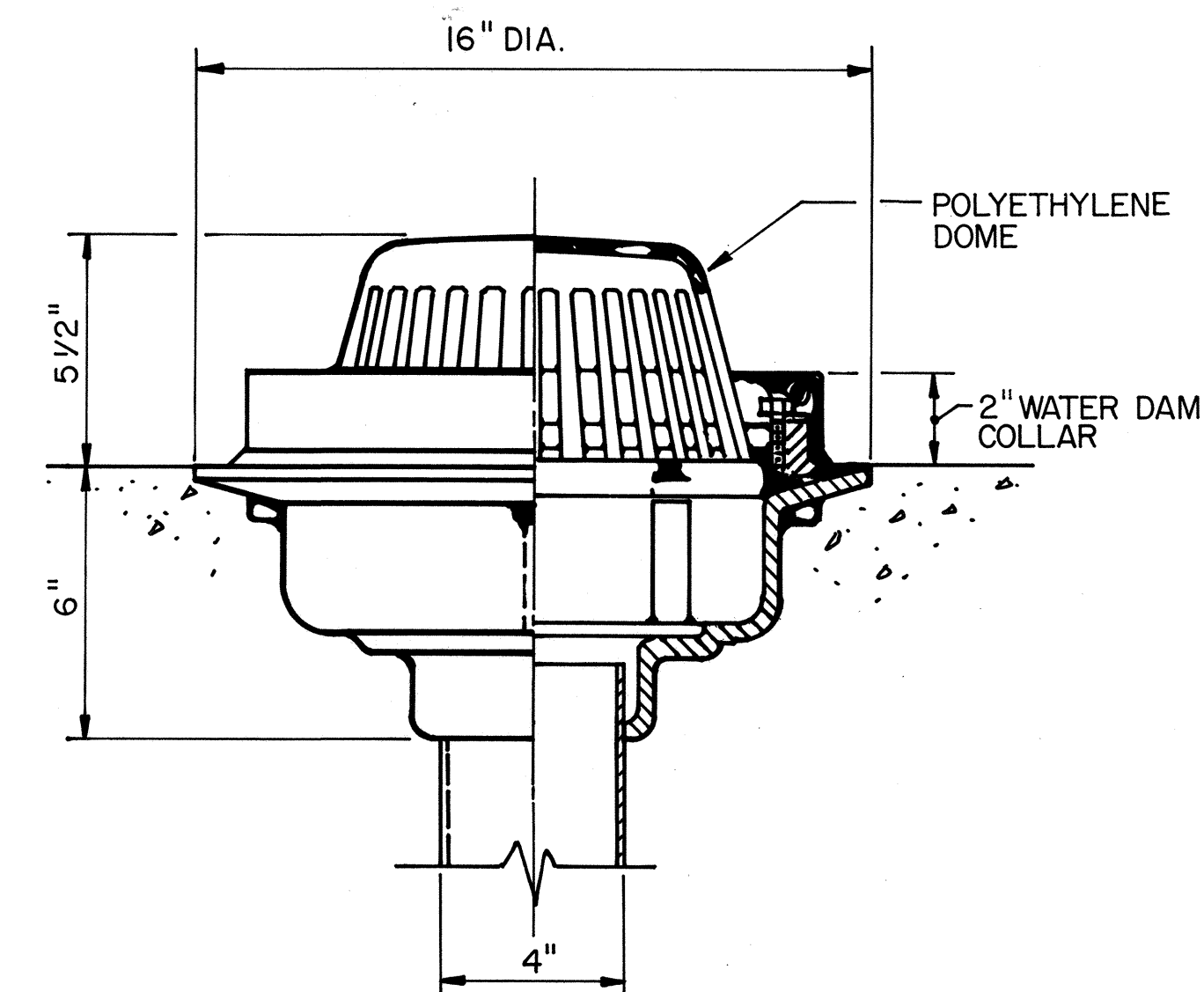
N.T.S. OD-2 OVERFLOW DRAIN (SIMILAR - SEE NOTE)



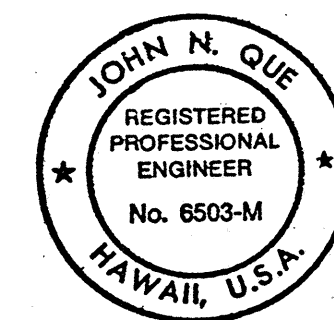
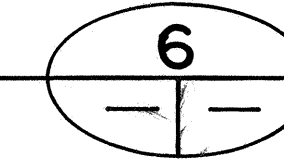
PLD-I PLANTING AREA DRAIN INSTALLATION DETAIL



N.T.S.



OD-1 OVERFLOW DRAIN INSTALLATION



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OR UNDER MY SUPERVISION

John H. ...

DATE	REVISION
------	----------

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLUMBING DETAILS-2

STANDARDS

INTERSTATE ROUTE H-3

F.A.I. PROJ. NO. I-H3-1(61)

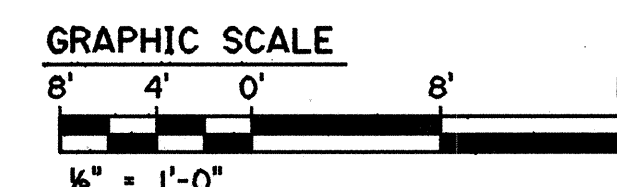
SCALE: NONE DATE: JAN 1990

SHEET NO. **M7** OF 8 SHEETS

ORIGINAL PLAN	SURVEY PLOTTED BY DRAWN BY B. F. BUNYI	DATE 5/28/89
NOTE BOOK	TRACED BY DESIGNED BY P. L. LALOUE	5/3/89
No. _____	QUANTITIES BY CHECKED BY D. E. DRYDEN	6/23/89

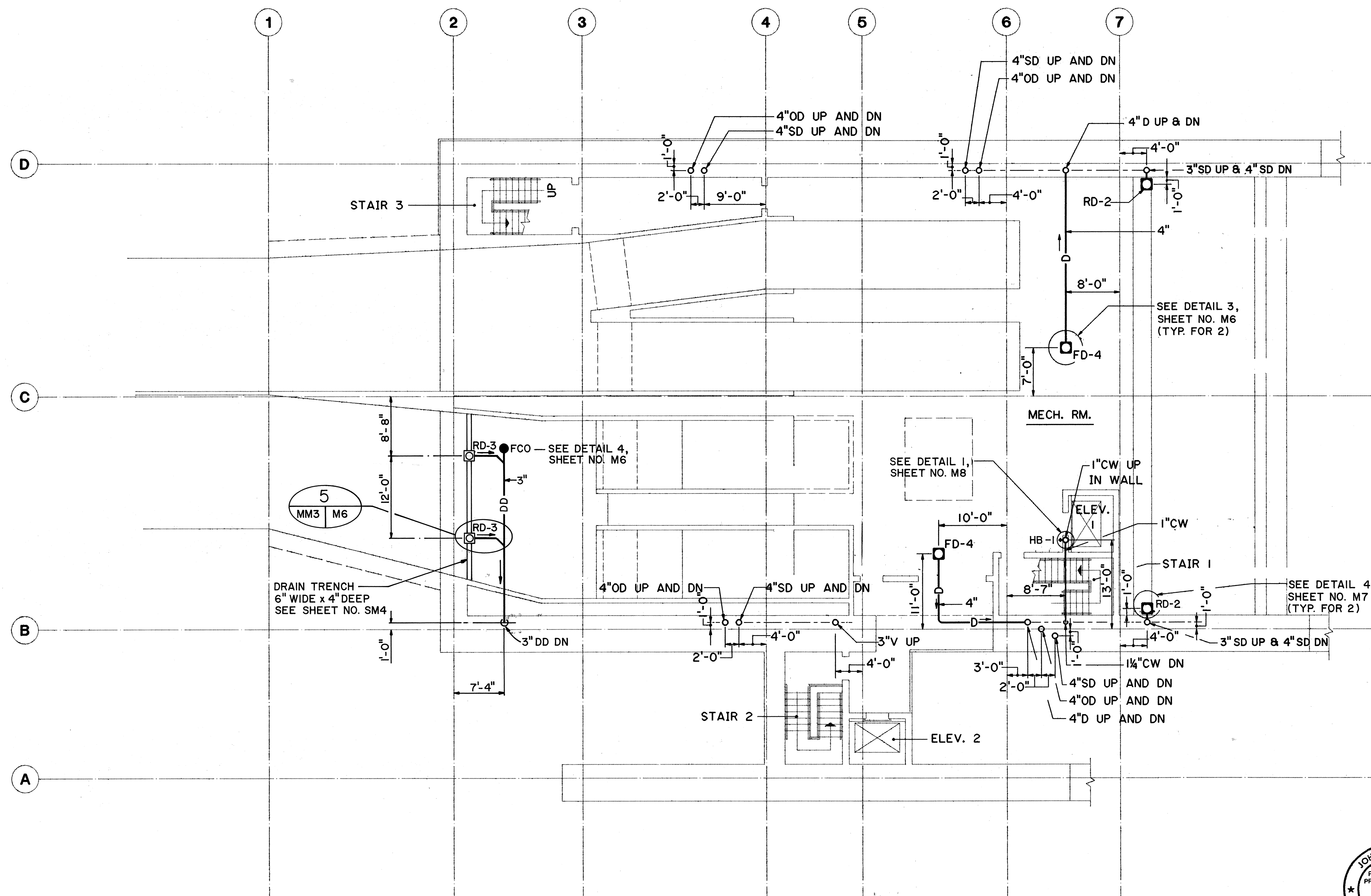
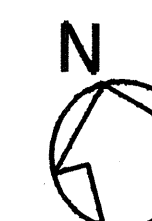
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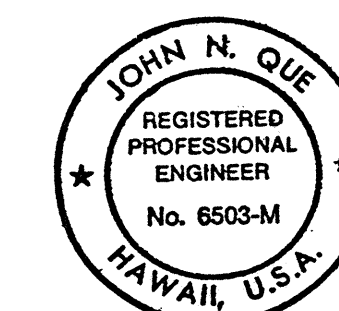
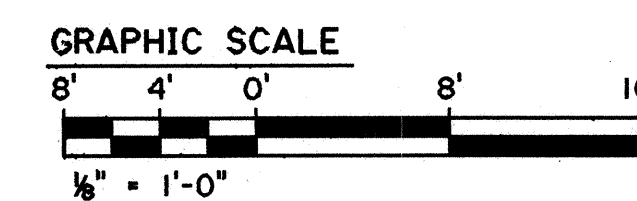
John Smith

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	290	424



5
MM3 M6

DRAIN TRENCH
6" WIDE x 4" DEEP
SEE SHEET NO. SM4



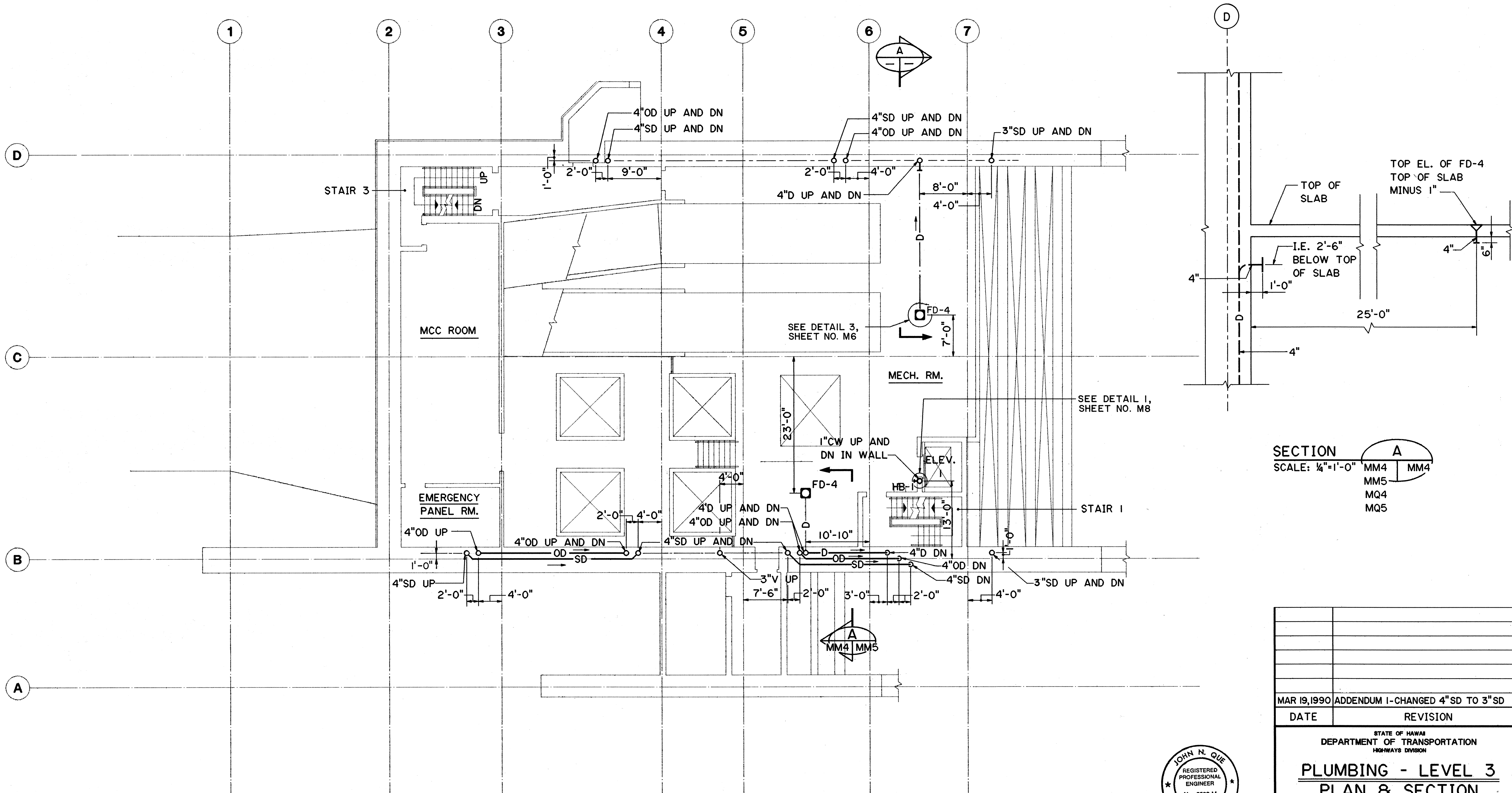
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

MAR 19, 1990	ADDENDUM 1 - CHANGED 4" SD TO 3" SD UP & 4" SD DN
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLUMBING - LEVEL 2 PLAN HAIKU PORTAL BUILDING - 1B INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)	
SCALE: 1/8" = 1'-0"	DATE: JAN 1990
SHEET NO. MM3	OF 9 SHEETS

ADD. 290

ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	5/19/89
DRAWN BY	5/19/89
DESIGNED BY	5/23/89
CHECKED BY	5/23/89
NO.	

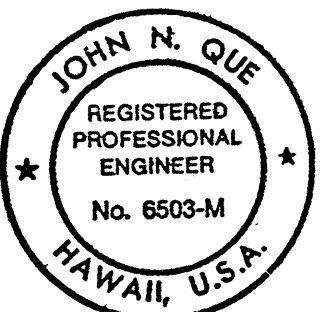
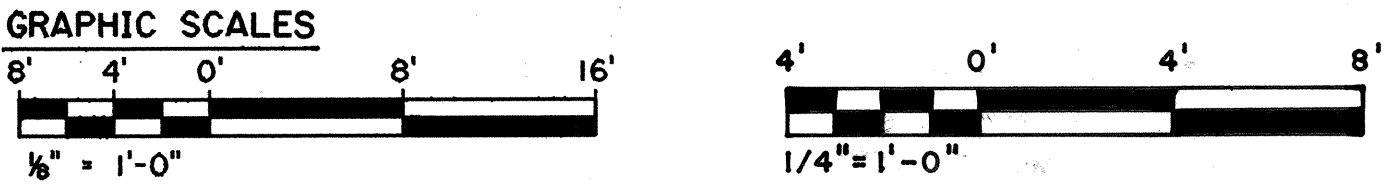
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	291	424



SECTION A
SCALE: 1/4"=1'-0"

MM4	MM4
MM5	
MQ4	
MQ5	

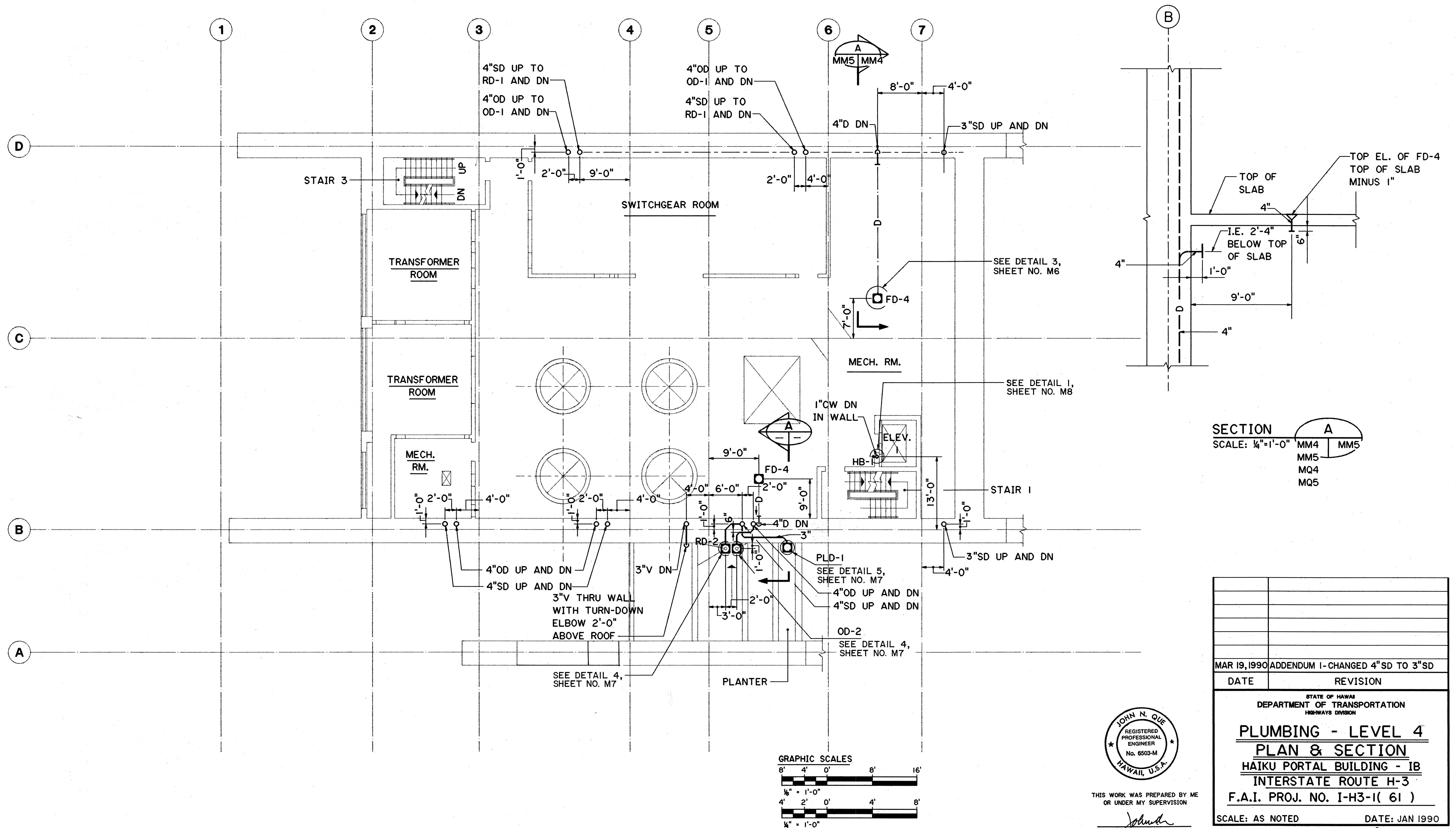
SURVEY PLOTTED BY	DATE
DRAWN BY	5/19/89
CHECKED BY	5/3/89
NOTED BY	5/23/89
NO.	



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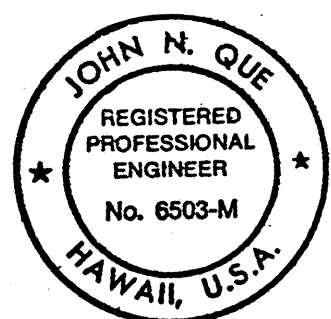
MAR 19, 1990	ADDENDUM 1-CHANGED 4" SD TO 3" SD
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLUMBING - LEVEL 3 PLAN & SECTION HAIKU PORTAL BUILDING - 1B INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)	
SCALE: AS NOTED	DATE: JAN 1990
SHEET NO. MM4	OF 9 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	292	424



SECTION A
SCALE: 1/4"=1'-0"
MM4
MM5
MQ4
MQ5

MAR 19, 1990		ADDENDUM 1-CHANGED 4"SD TO 3"SD	
DATE		REVISION	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLUMBING - LEVEL 4 PLAN & SECTION HAIKU PORTAL BUILDING - 1B INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)			
SCALE: AS NOTED		DATE: JAN 1990	
SHEET NO. MM5		OF 9 SHEETS	

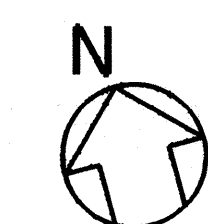


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OR UNDER MY SUPERVISION

John N. Que

SURVEY PLOTTED BY	DATE
DESIGNED BY	5/19/89
NOTED BY	5/2/89
CHECKED BY	5/2/89
NO.	

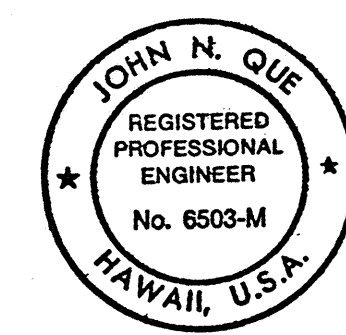
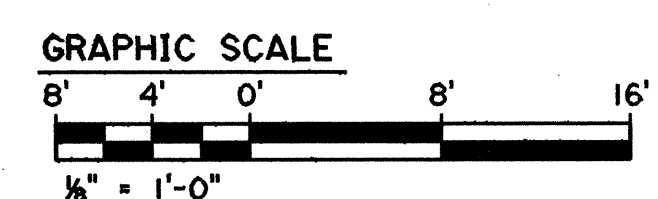
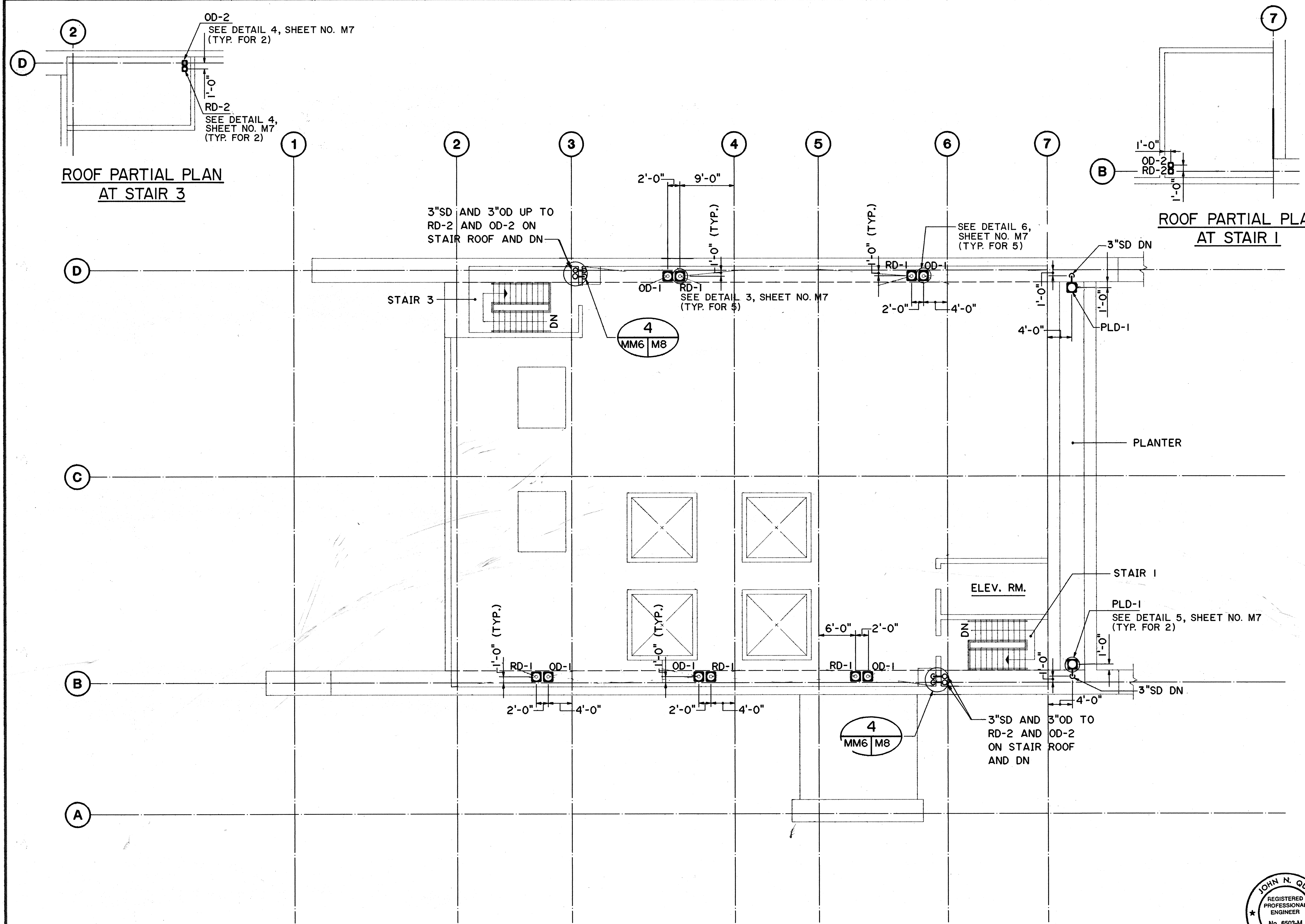
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	293	424



ROOF PARTIAL PLAN
AT STAIR 3

ROOF PARTIAL PLAN
AT STAIR 1

DATE	5/9/89
DESIGNED BY	P. LALOE
CHECKED BY	D. DEYDEN
NO.	



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MAR 19, 1990		ADDENDUM I-CHANGED 4"SD TO 3"SD	
DATE		REVISION	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

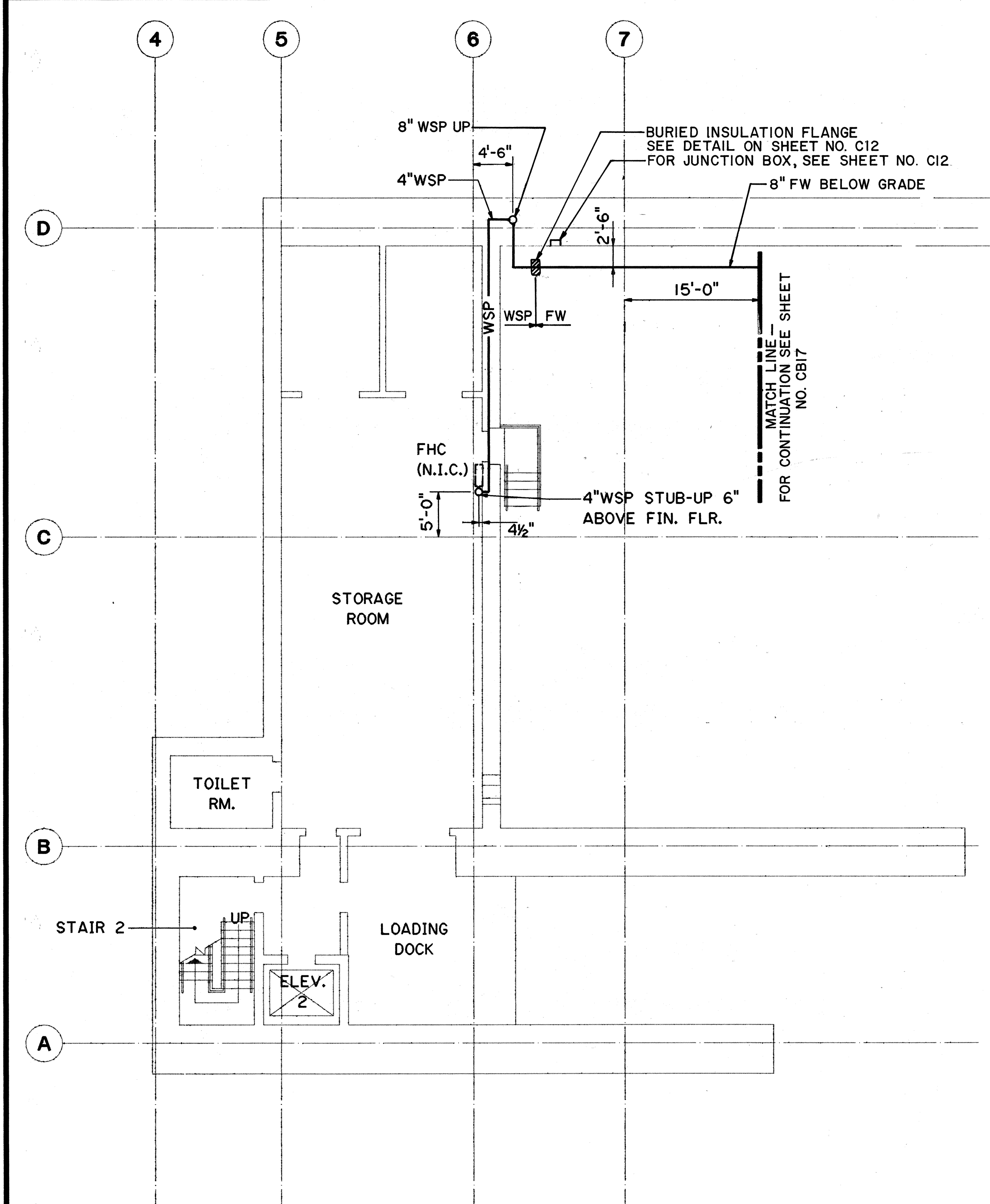
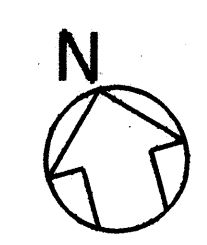
**PLUMBING -
ROOF LEVEL**

HAIKU PORTAL BUILDING -1B
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(61)

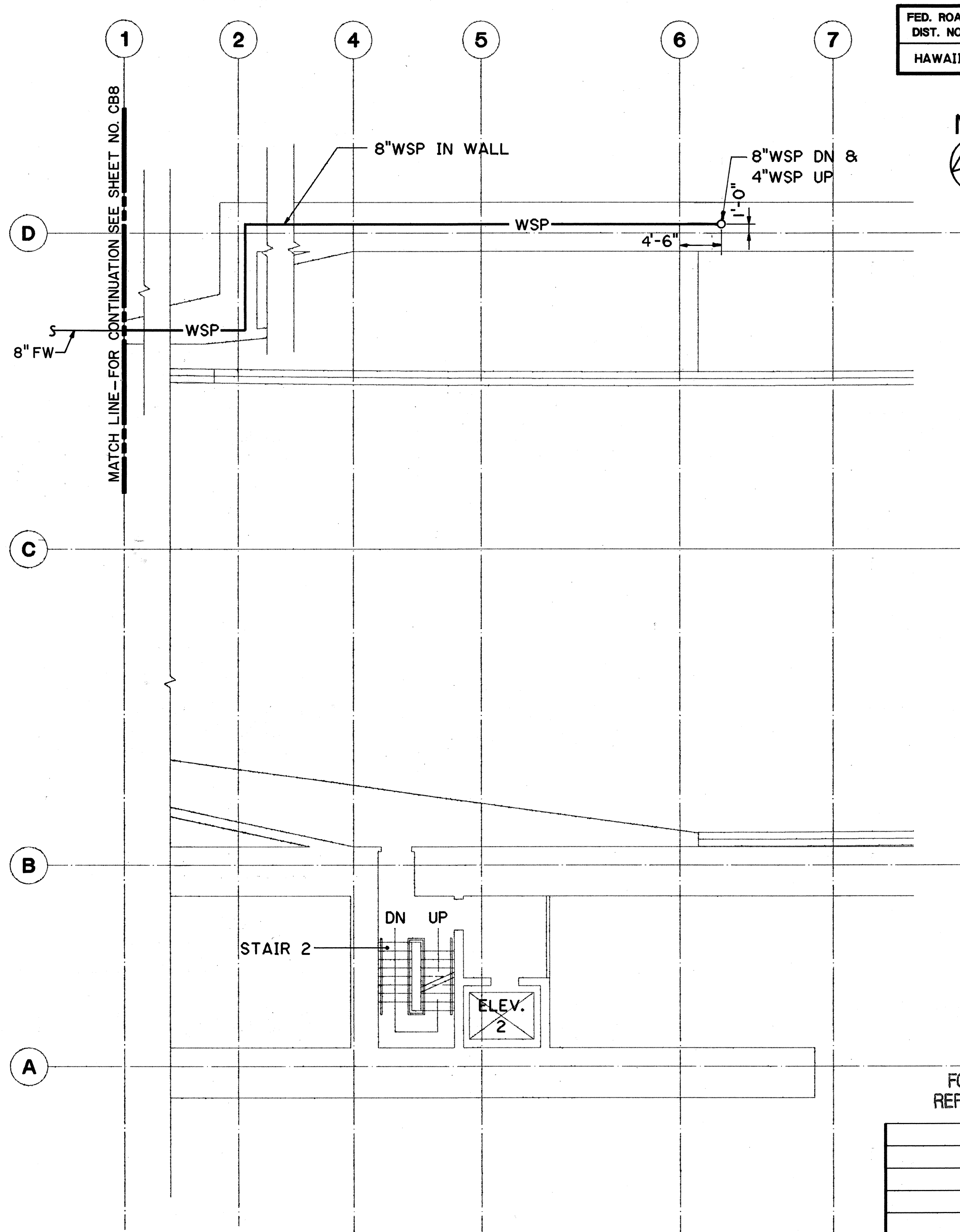
SCALE: 1/8"=1'-0" DATE: JAN 1990

SHEET NO. MM6 OF 9 SHEETS

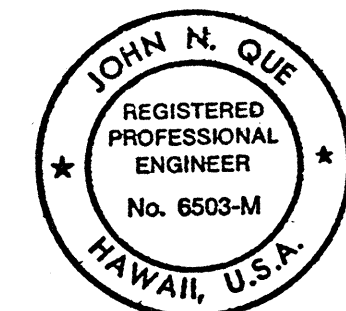
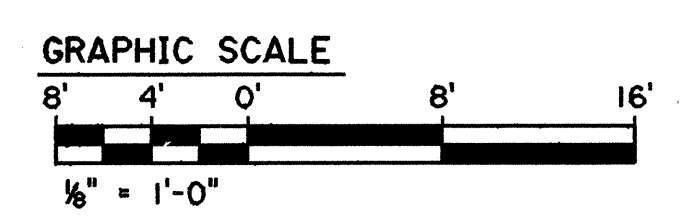
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	294	424



LEVEL A



LEVEL I



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FOR DETAIL AS-BUILT INFORMATION
REFER TO CONSTRUCTION SUBMITTALS

DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

**FIRE PROTECTION-LEVEL A
& LEVEL I PARTIAL PLANS**

HAIKU PORTAL BUILDING-1B
INTERSTATE ROUTE H-3
F.A.I. PROJ. NO. I-H3-1(61)

SCALE: 1/8"=1'-0" DATE: JAN 1990

SHEET NO. MM7 OF 9 SHEETS

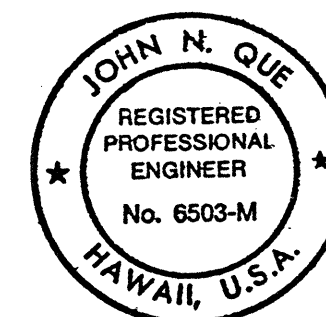
ORIGINAL PLAN	DATE
SURVEY PLOTTED BY	5/19/89
DRAWN BY	B. BUNYI, JR.
DESIGNED BY	5/3/89
CHECKED BY	P. LALLOE
NO.	6/23/89



GRAPHIC SCALE

8' 4' 0' 8' 16'

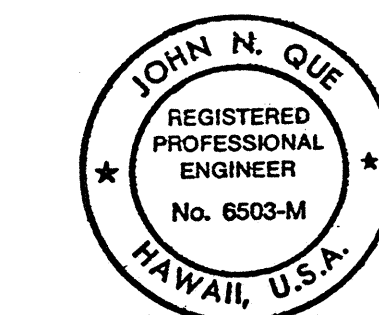
$\frac{1}{8}" = 1'-0"$



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OR UNDER MY SUPERVISION

John A.

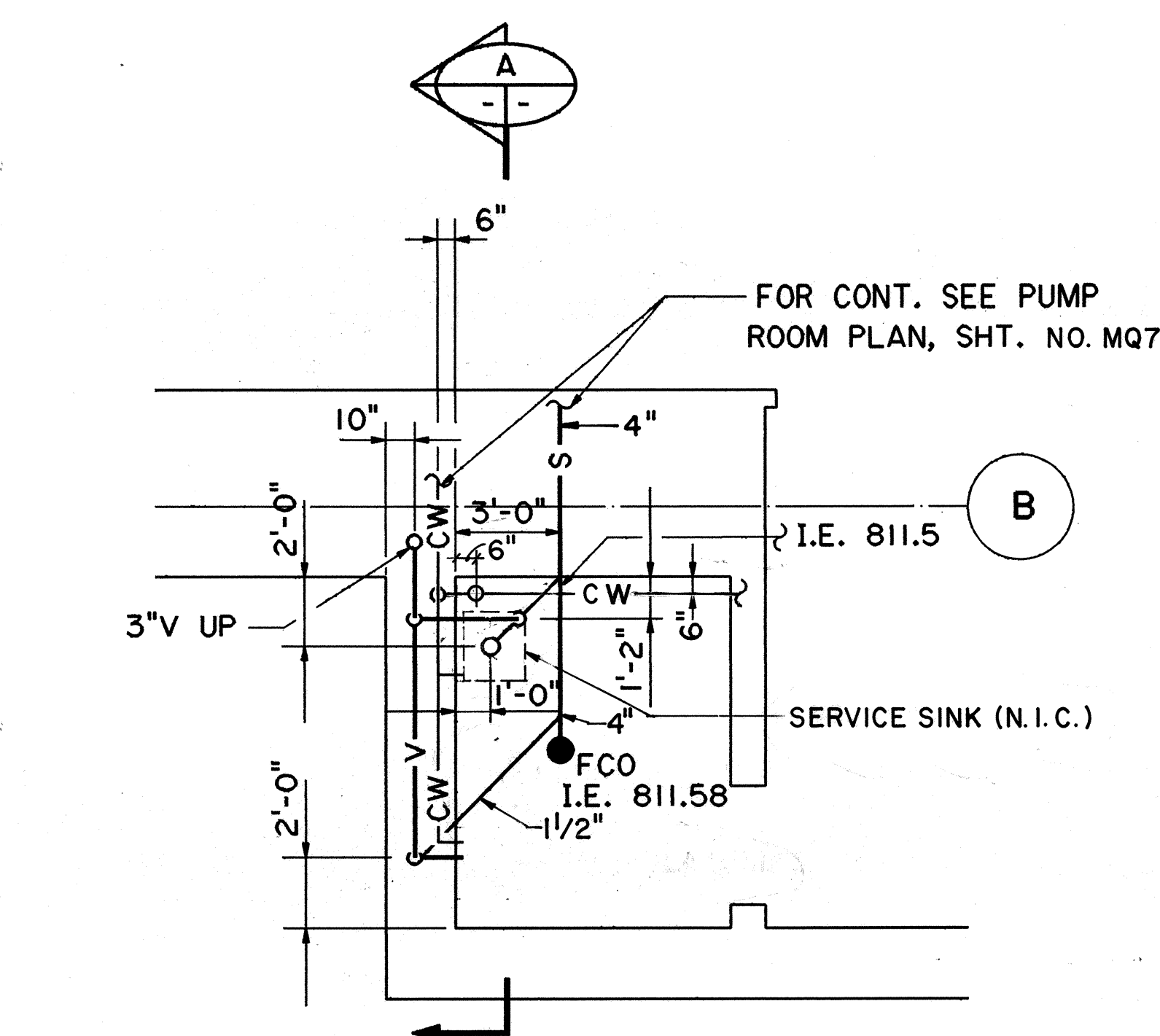
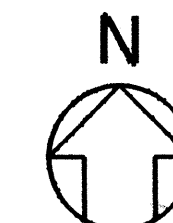
2410V16I 2410: V16I MS0034.FGB,I 04OCT89-12.03.00



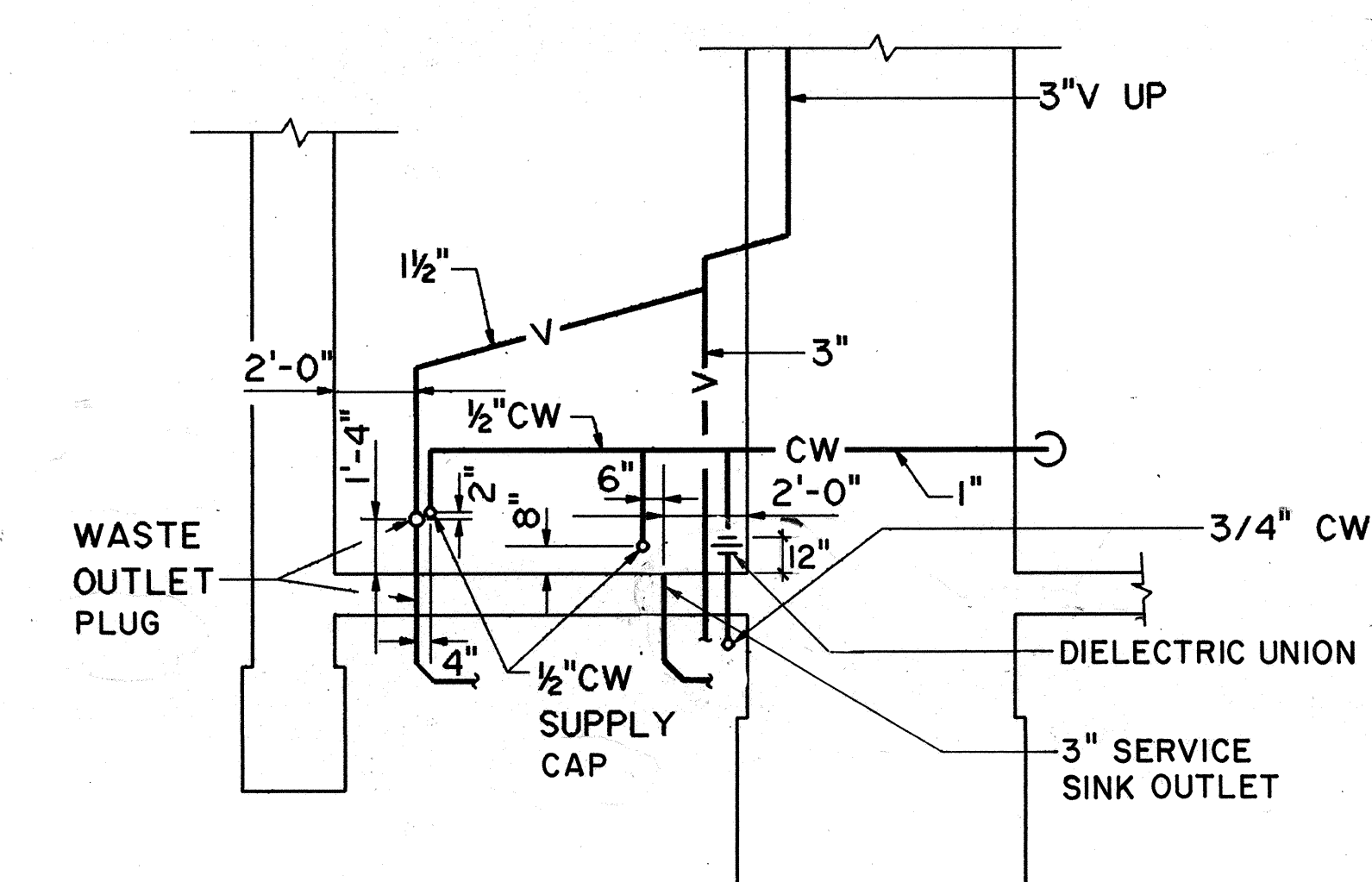
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

296

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	297	424

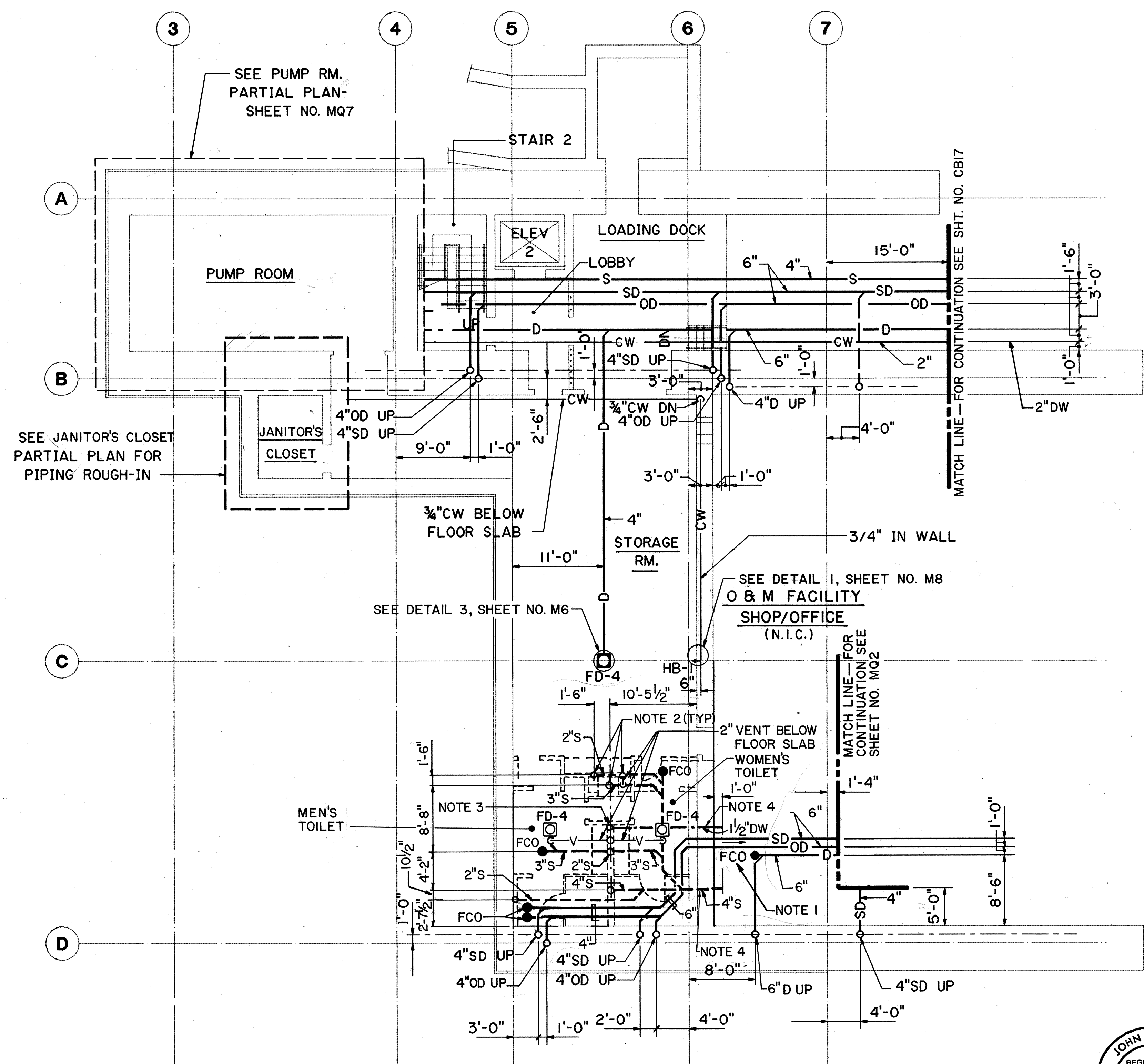
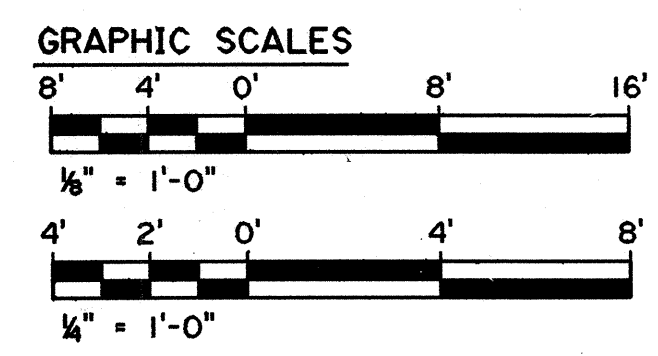


JANITOR'S CLOSET PLAN - PIPING ROUGH-IN
SCALE: 1/4"=1'-0"



SEE NOTE, SHEET NO. MMI

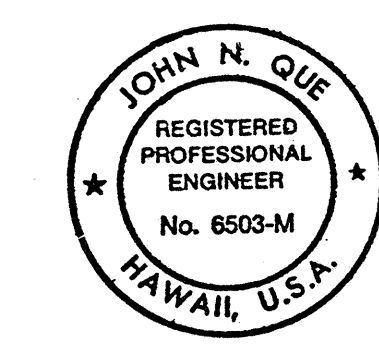
SECTION A
SCALE: 1/4"=1'-0"



- NOTES:**
1. INSTALL FCO AT SAME ELEV. AS FCO'S IN TOILET ROOMS
 2. STUB UP WASTE AND VENT PIPING 12" AFF.
 3. STUB UP 1 1/2" DW PIPE 12" AFF. TERMINATE WITH DIELECTRIC UNION.
 4. CORE DRILL WALL FOR 1 1/2" DW AND 4" S PIPE.
 5. TOILET ROOMS SHALL HAVE A CERAMIC TILE FLOOR (N.I.C.) ADJUST INSTALLATION ELEVATION OF FLOOR DRAINS AND FLOOR CLEANOUTS ACCORDINGLY.

FOR DETAIL AS-BUILT INFORMATION
REFER TO CONSTRUCTION SUBMITTALS

DATE	REVISION
8/6/92	ADDED PLUMBING FOR O & M TOILETS PER DCN 61-031
4/26/90	REVISED LOCATION OF WATER CLOSET MOUNTING PLATE ON SECTION A
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLUMBING - LEVEL A PLANS & SECTION HAIKU PORTAL BUILDING - OB INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)	
SCALE: AS NOTED	DATE: JAN 1990
SHEET NO. MQ1	OF 11 SHEETS

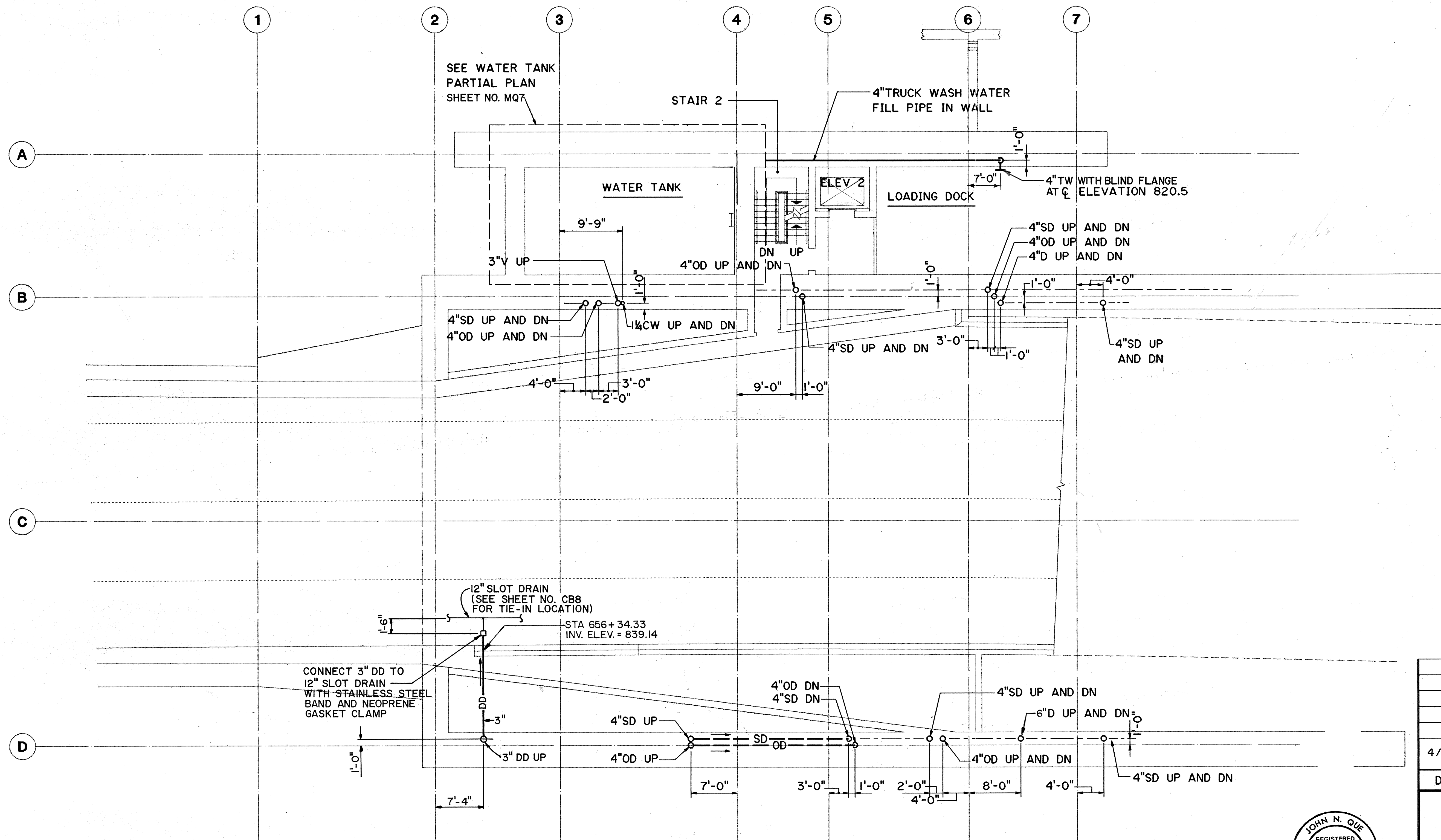
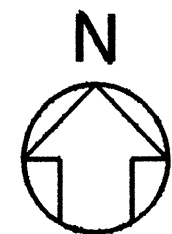


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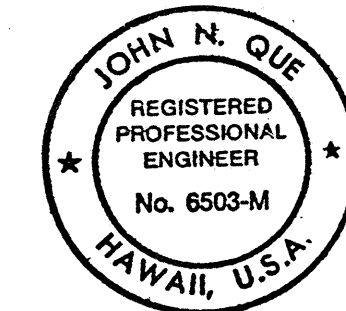
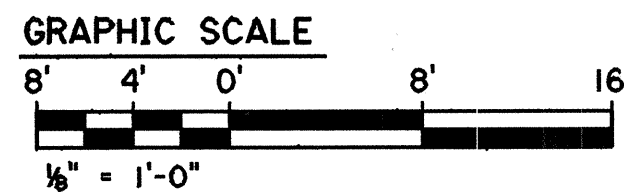
John N. Que

DATE	5/19/89
SURVEY PLOTTED BY	B.F. BUNYI, JR.
DRAWN BY	P.L. LAQUE
DESIGNED BY	P.L. LAQUE
CHECKED BY	D.E. DRYDEN
NO.	5/28/89

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	298	424



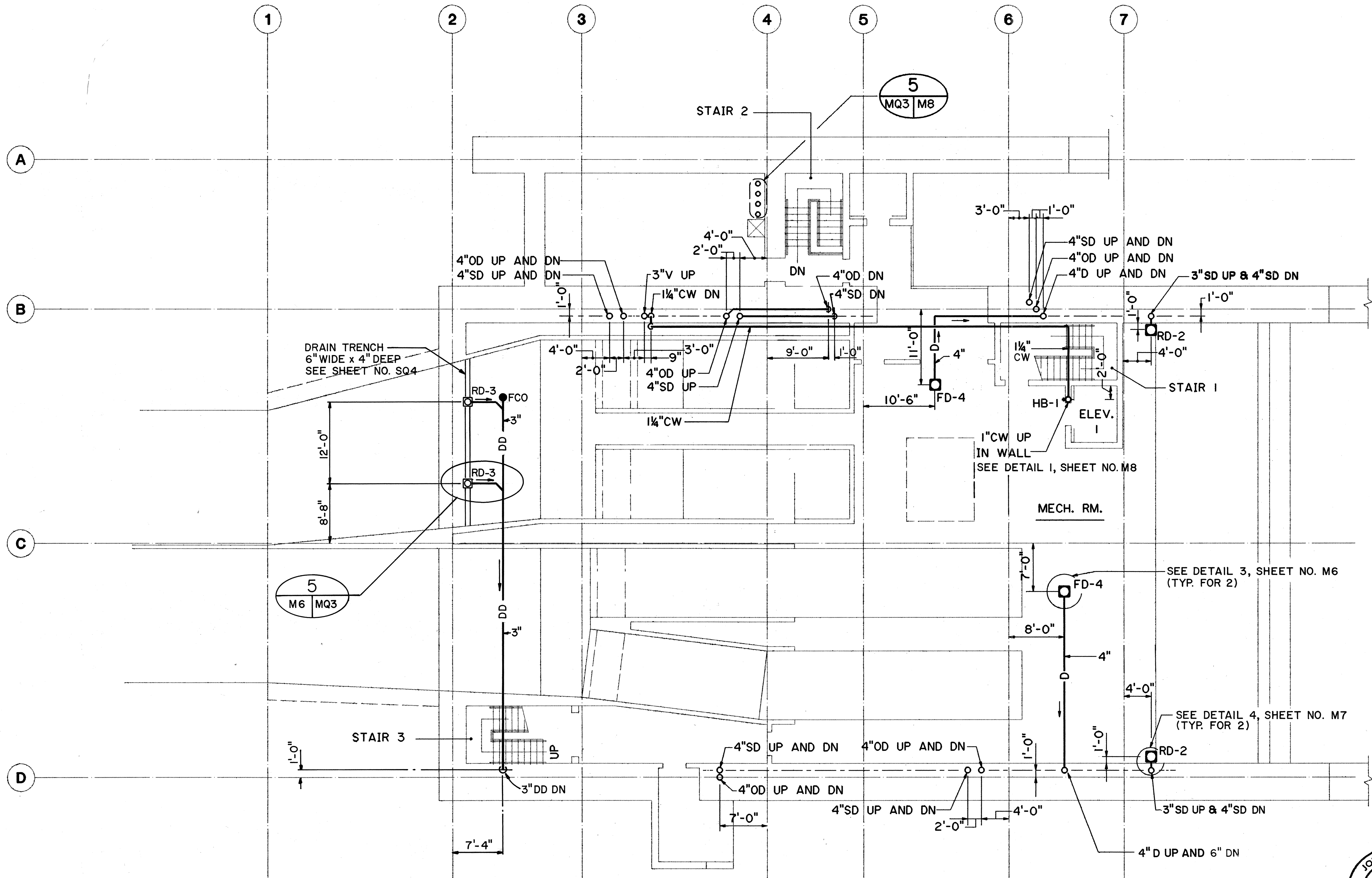
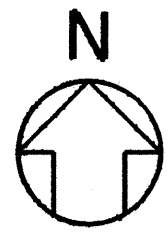
DATE	5/24/89
DESIGNED BY	PLTALOE
CHECKED BY	DEEDREN
NO.	



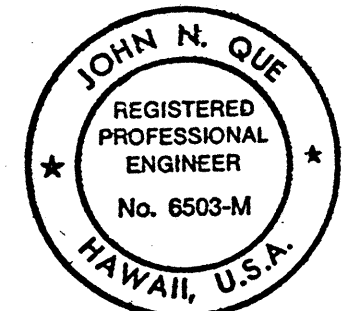
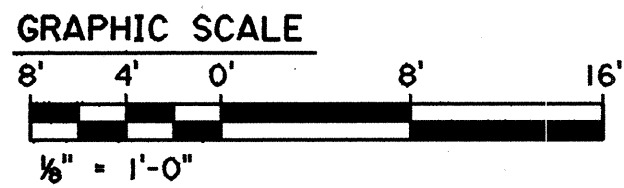
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION

DATE	4/26/90
REVISION	DELETED BUTTERFLY VALVE AND DIMENSIONED TW STUB-OUT LOCATION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLUMBING - LEVEL 1 PLAN HAIKU PORTAL BUILDING - OB INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61) SCALE: 1/8"=1'-0" DATE: JAN 1990 SHEET NO. MQ2 OF 11 SHEETS	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	299	424



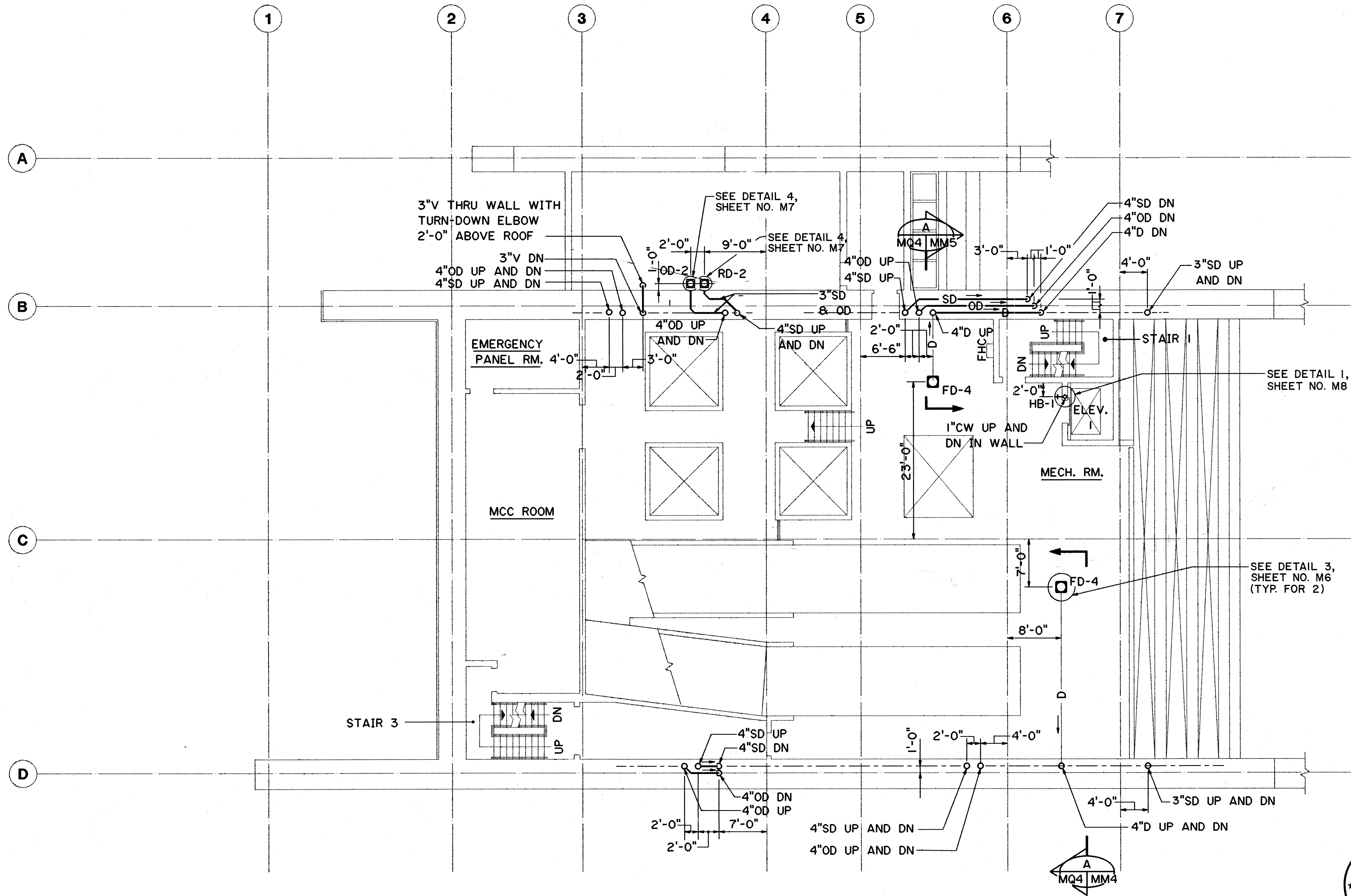
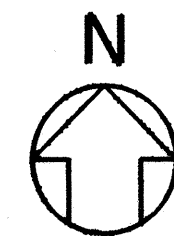
DATE	5/10/89
DESIGNED BY	PL. BUNY, JR.
DESIGNED BY	PL. LALOE
QUANTITIES BY	DE. DRYDEN
CHECKED BY	
NO.	



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MAR 19, 1990	ADDENDUM 1- CHANGED 4"SD TO 3"SD UP & 4" SD DN
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLUMBING - LEVEL 2 PLAN HAIKU PORTAL BUILDING - OB INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)	
SCALE: 1/8"=1'-0"	DATE: JAN 1990
SHEET NO. MQ3	OF 11 SHEETS

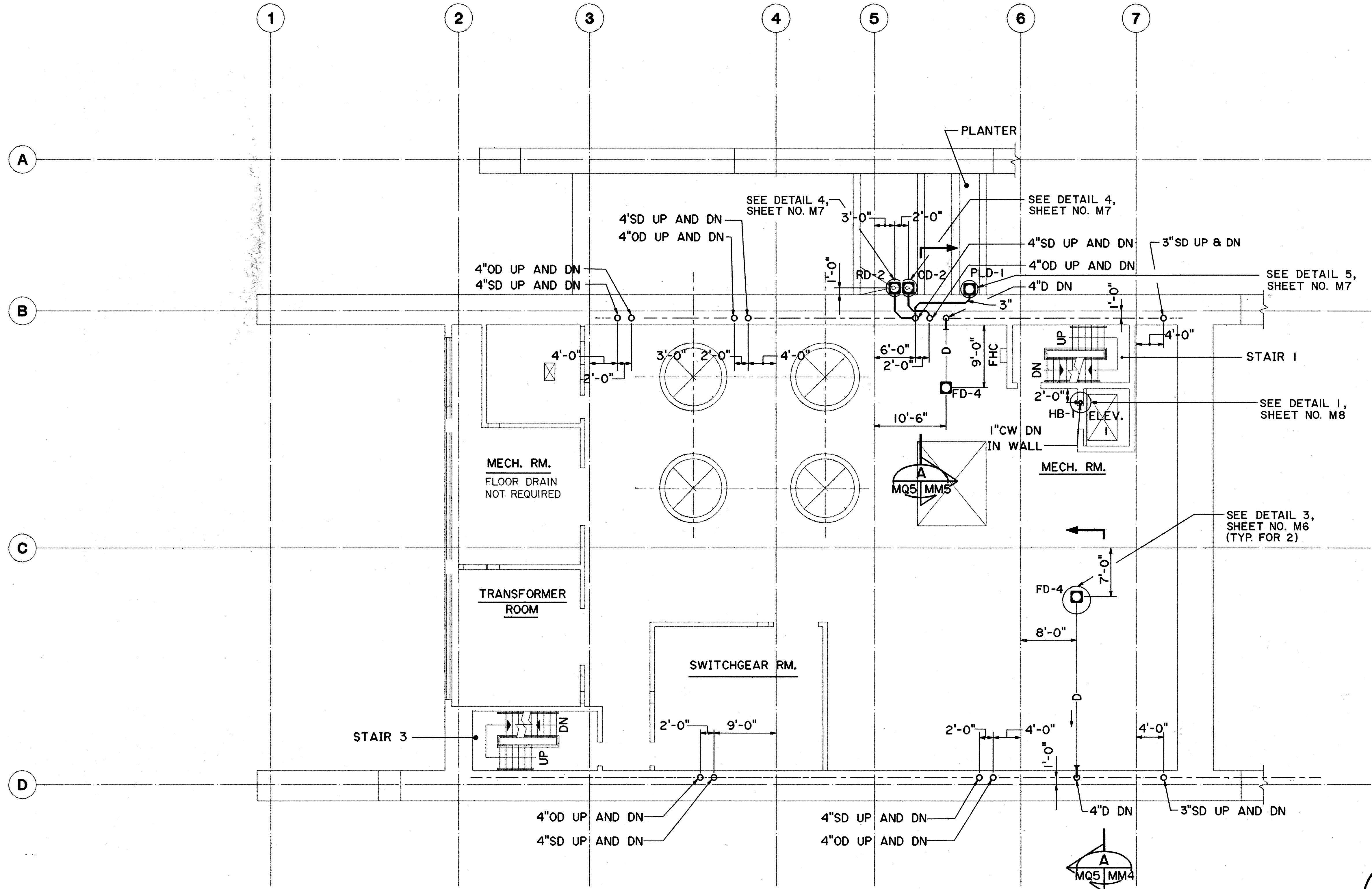
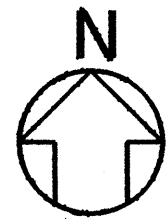
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	300	424



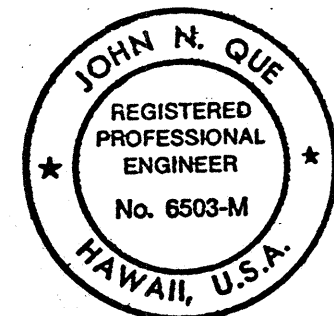
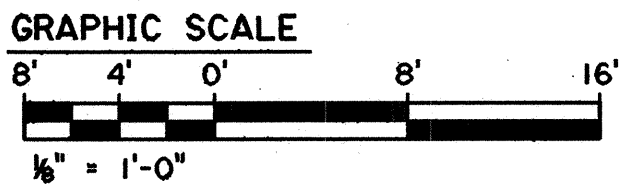
MAR 19, 1990	ADDENDUM 1-CHANGED 4"SD TO 3"SD
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLUMBING - LEVEL 3 PLAN HAIKU PORTAL BUILDING - OB INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61) SCALE: 1/8"=1'-0" DATE: JAN 1990 SHEET NO. MQ4 OF 11 SHEETS	

DATE	6/6/89
DESIGNED BY	P. LALLOE
CHECKED BY	D. DRYDEN
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	301	424



DATE	6/9/89
DESIGNED BY	B. BUNYI, JR.
TRACED BY	P. LALOE
QUANTITIES BY	DEADYEN
CHECKED BY	DEADYEN
NO.	



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OR UNDER MY SUPERVISION

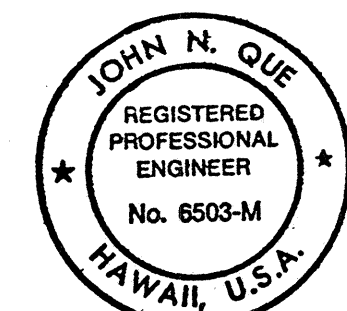
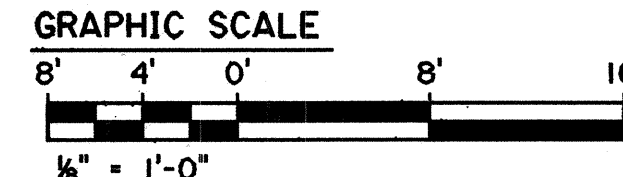
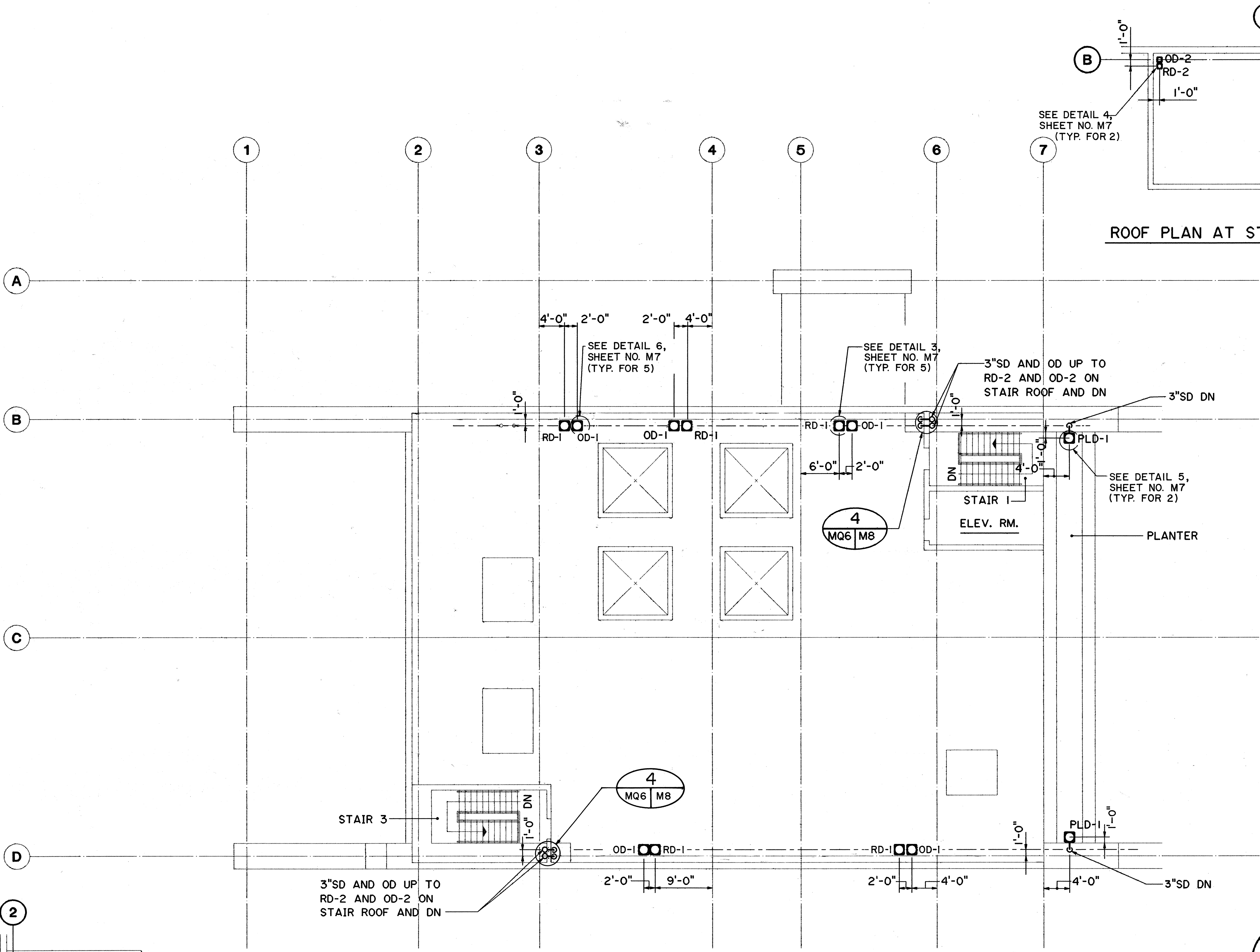
John H. Que

MAR 19, 1990	ADDENDUM I-CHANGED 4" SD TO 3" SD
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
PLUMBING -	
LEVEL 4 PLAN	
HAIKU PORTAL BUILDING - OB	
INTERSTATE ROUTE H-3	
F.A.I. PROJ. NO. I-H3-1(61)	
SCALE: 1/8"=1'-0"	DATE: JAN 1990
SHEET NO. MQ5	OF 11 SHEETS

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	302	424



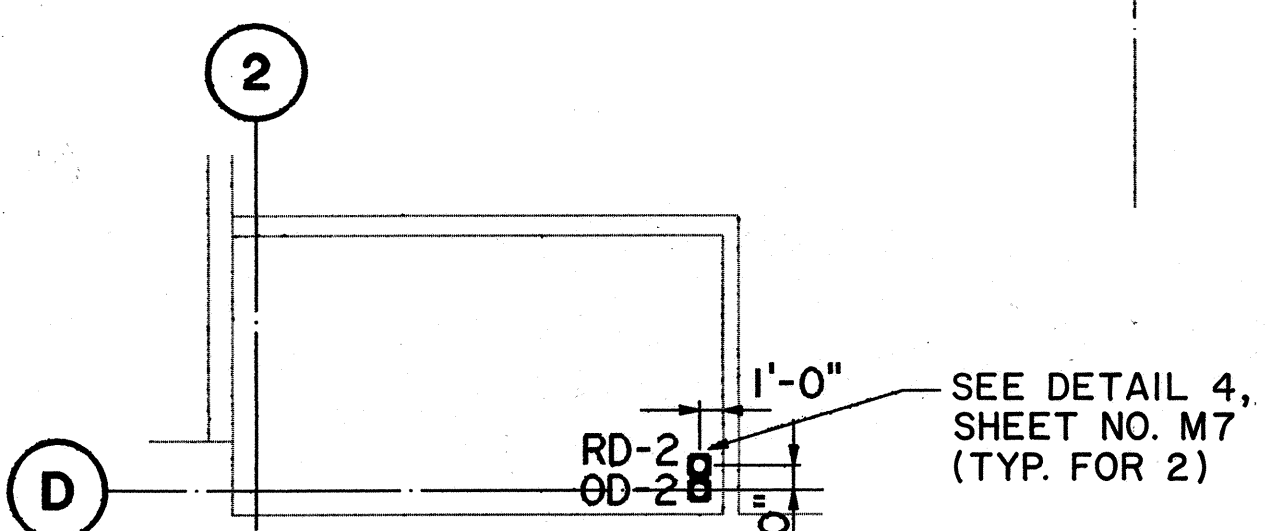
ROOF PLAN AT STAIR 1



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John N. Que

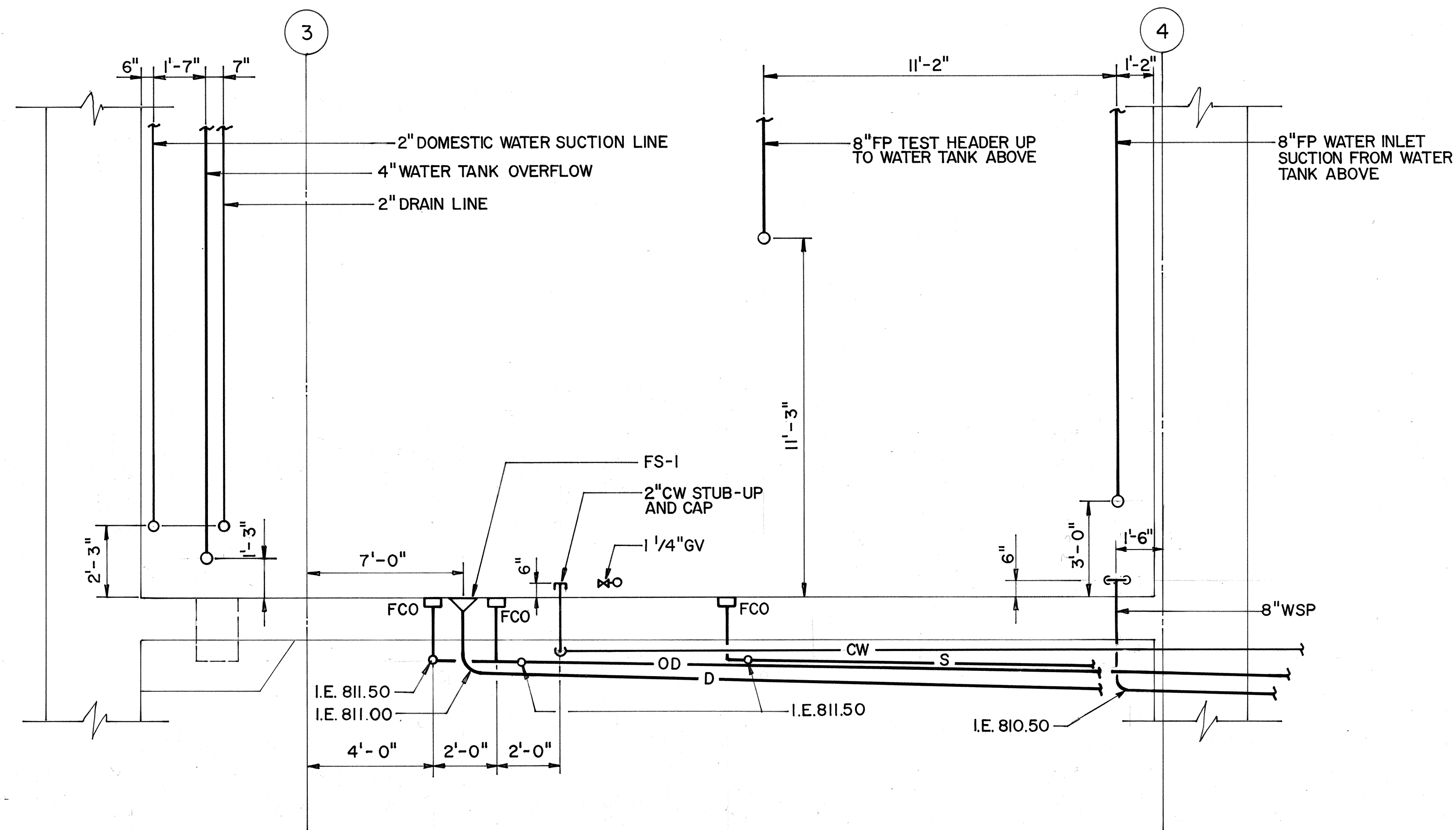
ROOF PLAN AT STAIR 3



MAR 19, 1990		ADDENDUM 1-CHANGED 4"SD TO 3"SD	
DATE		REVISION	
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION PLUMBING - ROOF LEVEL HAIKU PORTAL BUILDING - OB INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)			
SCALE: 1/8"=1'-0"		DATE: JAN 1990	
SHEET NO. MQ6		OF 11 SHEETS	

DATE	6/20/89
SURVEY PLOTTED BY	B.F. BUNYI, JR.
DESIGNED BY	P. LALLOE
CHECKED BY	D. DRYDEN
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	304	424



SECTION B

ORIGINAL PLAN	SURVEY PLOTTED BY _____	DATE <u>5/19/89</u>
	DRAWN BY <u>B.F. BUNYI</u>	"
	TRACED BY _____	"
NOTE BOOK	DESIGNED BY <u>P.L. LALOUÉ</u>	<u>5/16/89</u>
	QUANTITIES BY _____	"
No. _____	CHECKED BY <u>D.E. DRYDEN</u>	<u>5/17/89</u>

4/26/90	RELOCATED 8" WSP STUB-UP
DATE	REVISION

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PUMP ROOM SECTIONS

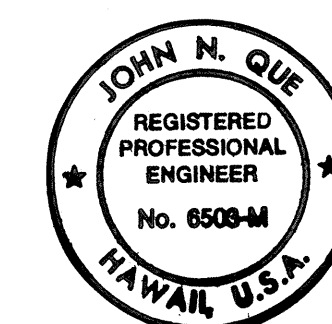
HAIKU PORTAL BUILDING-OB

INTERSTATE ROUTE H-3

F.A.I. PROJ. NO. I-H3-I(61)

SCALE: 3/8"=1'-0"
DATE: JAN 1990

SHEET NO. MQ8 OF 11 SHEETS

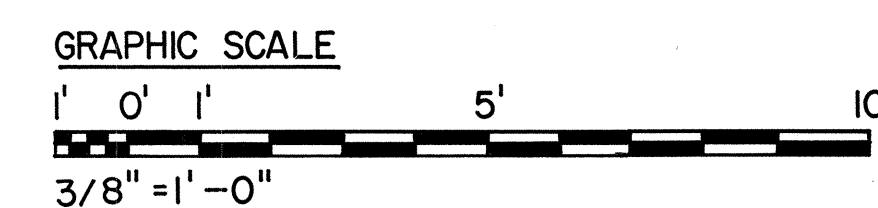


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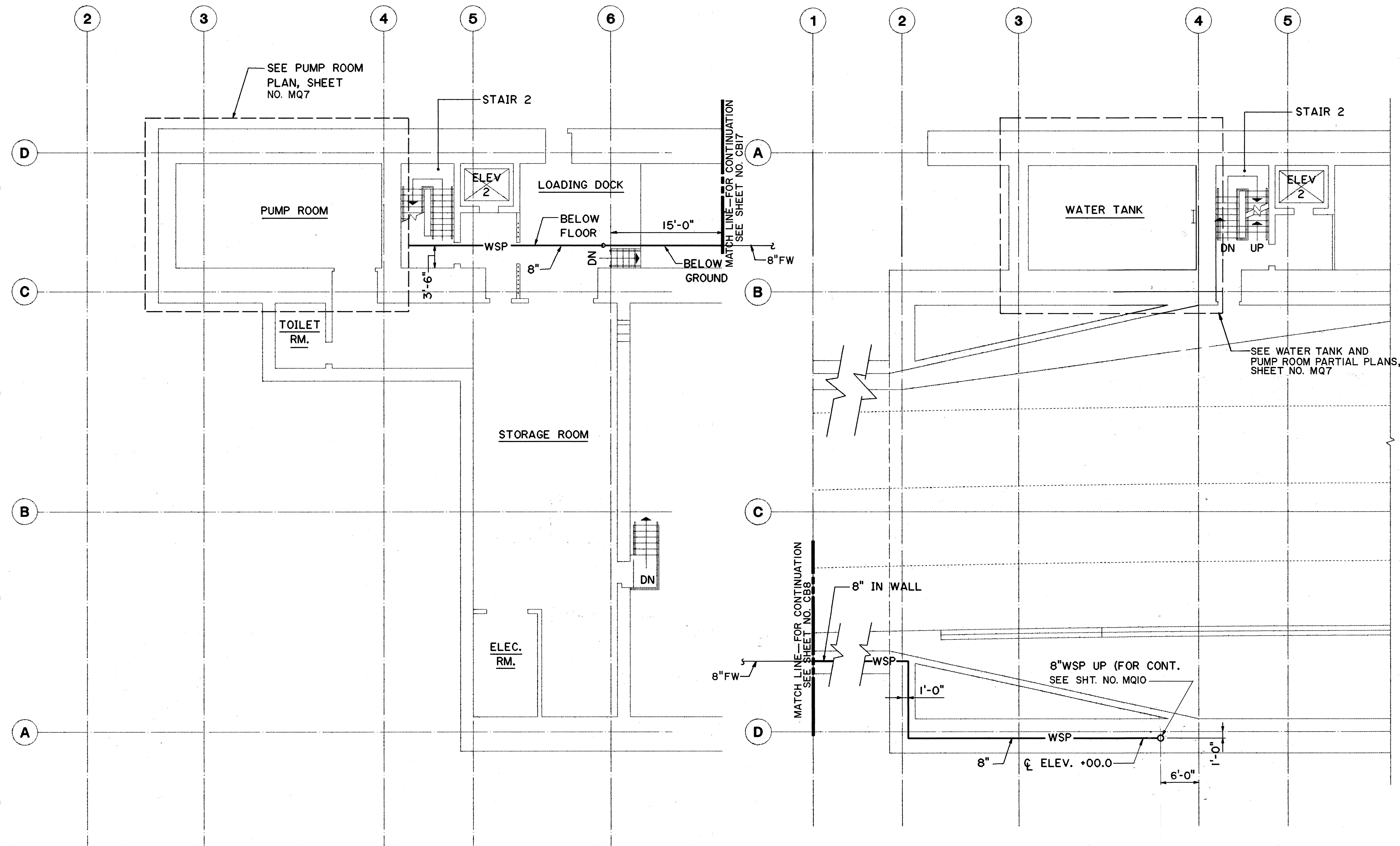
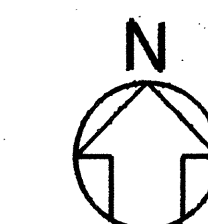
SCALE: 3/8"=1'-0" DATE: JAN 1990

SHEET NO. **MQ8** OF 11 SHEETS

ADD.304

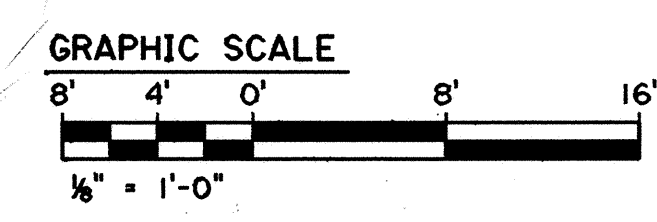


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	305	424



LEVEL A

LEVEL I



FOR DETAIL AS-BUILT INFORMATION
REFER TO CONSTRUCTION SUBMITTALS

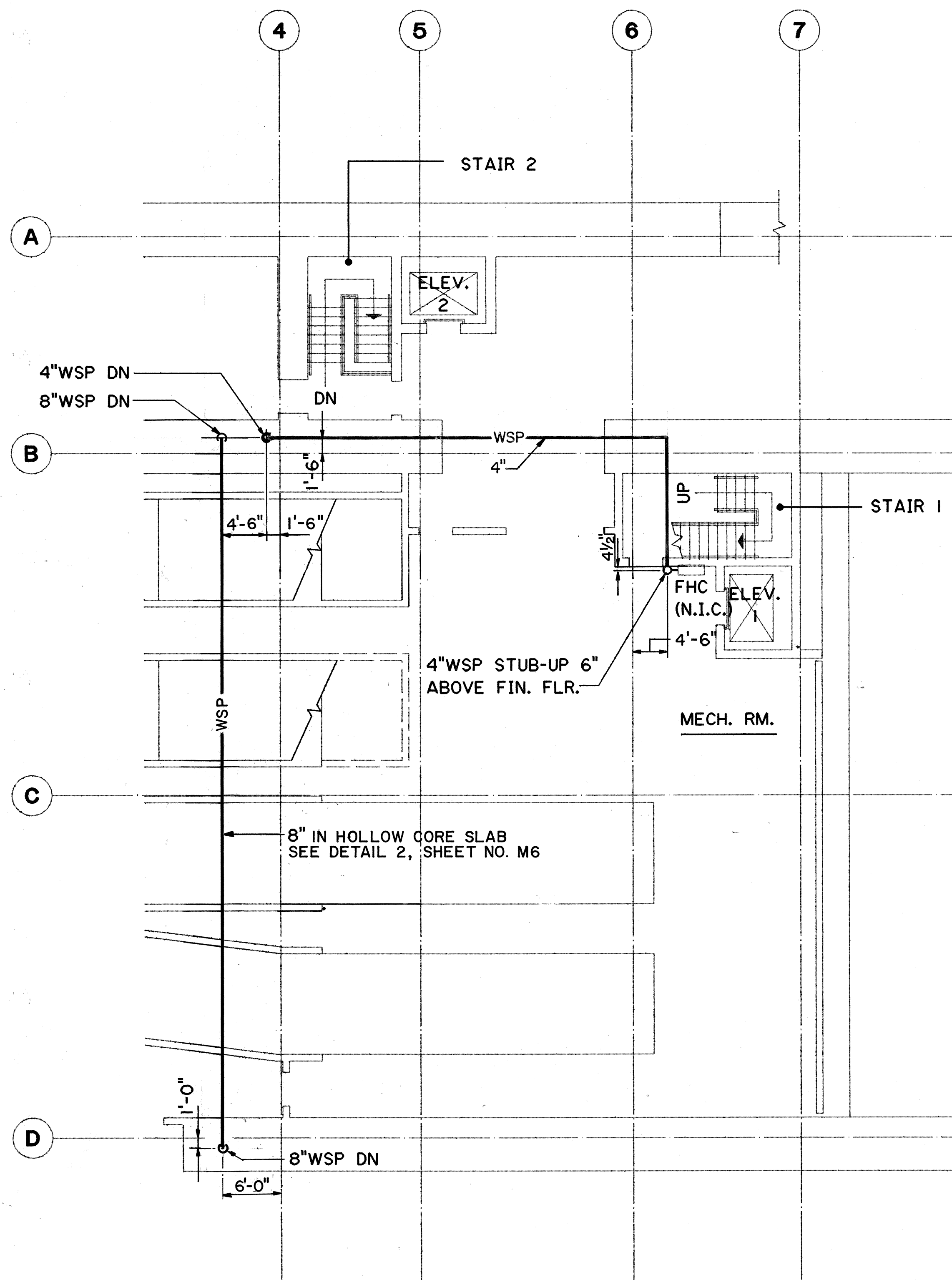
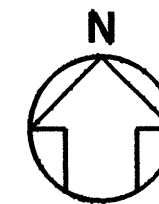
4/6/91	REVISED 8" WSP PIPE DIMENSION PER DCN No. 61-009
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION FIRE PROTECTION-LEVEL A & LEVEL I PARTIAL PLANS HAIKU PORTAL BUILDING-OB INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61) SCALE: 1/8"=1'-0" DATE: JAN 1990 SHEET NO. MQ9 OF 11 SHEETS	



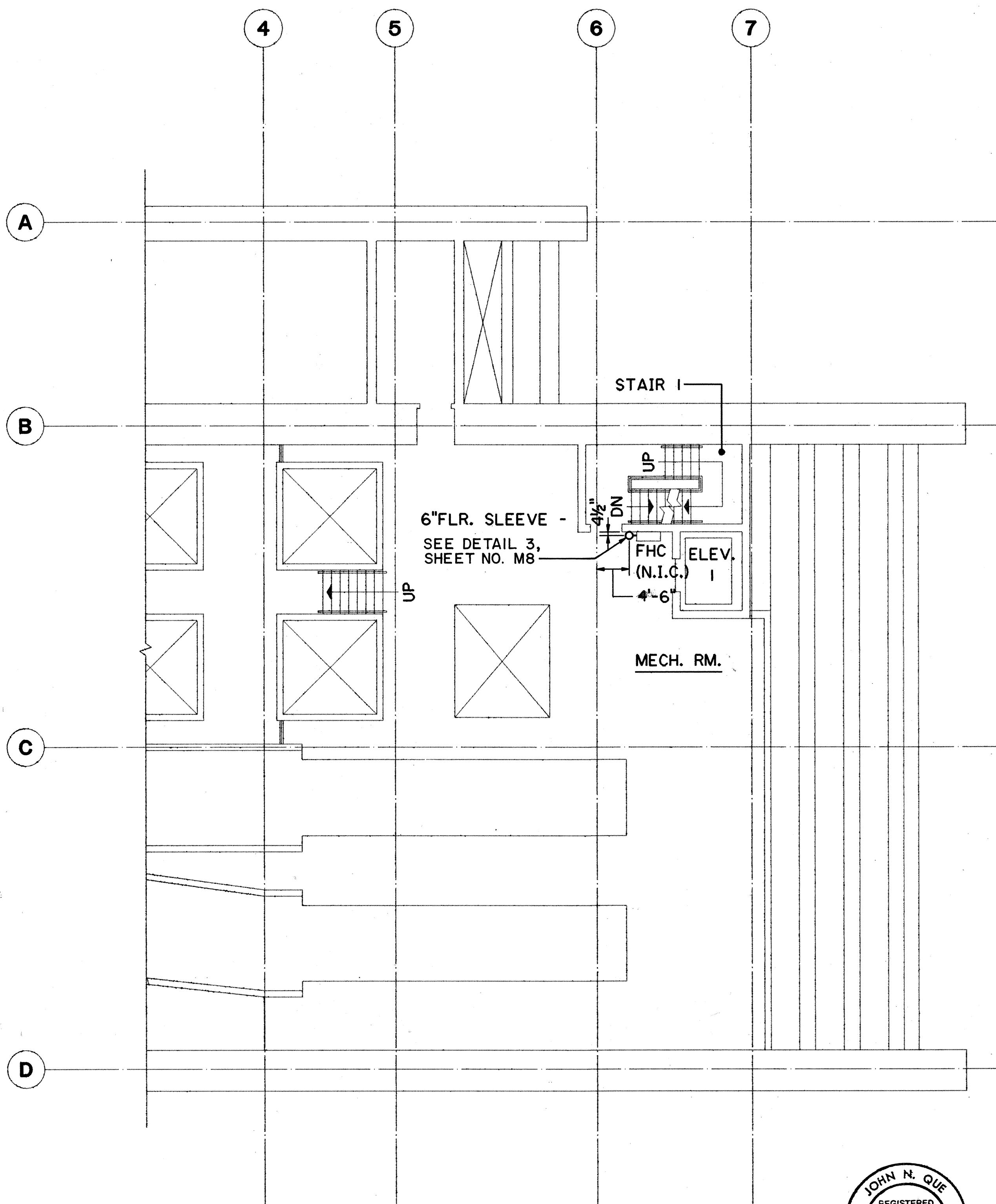
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

ORIGINAL PLAN	DATE
DRAWN BY	5/19/89
DESIGNED BY	5/4/89
CHECKED BY	5/26/89

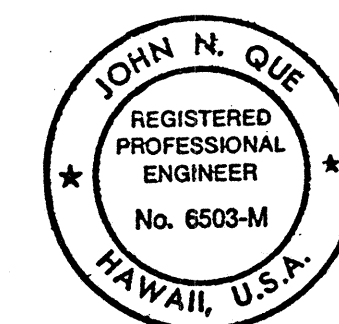
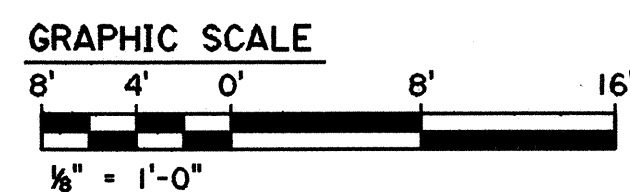
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	306	424



LEVEL 2



LEVEL 3



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DATE	REVISION
4/6/91	REVISED 8" WSP DIMENSIONS PER DCN No. 61-009
4/26/90	REVISED 8" WSP DIMENSIONS 4'-6" TO 6'-6" & 7'-6" TO 8'-0" FROM COL. LINE 4
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION FIRE PROTECTION-LEVEL 2 & LEVEL 3 PARTIAL PLANS HAIKU PORTAL BUILDING-OB INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61) SCALE: 1/8"=1'-0" DATE: JAN 1990 SHEET NO. MQ10 OF 11 SHEETS	

ADD. 306

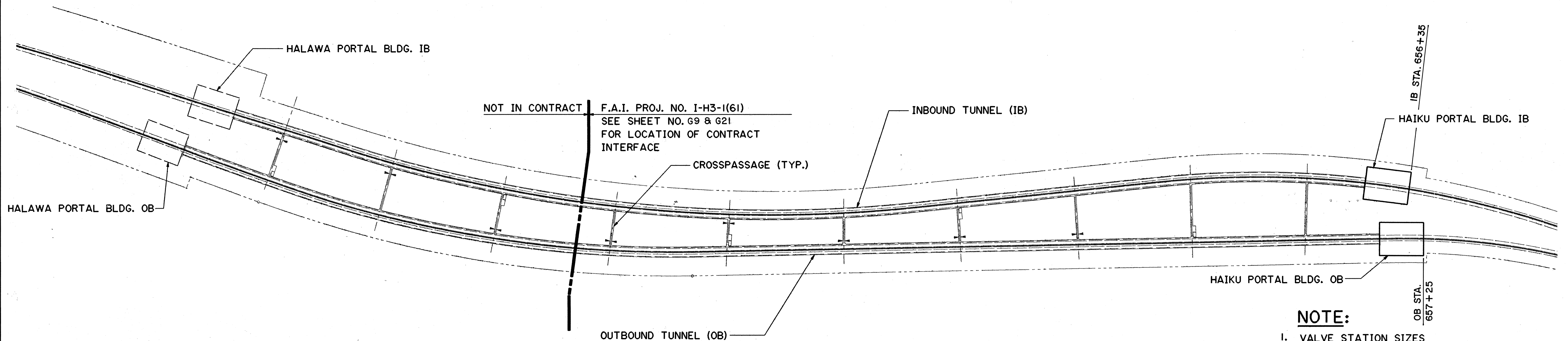
DESIGNED BY	DATE
DRAWN BY	6/4/89
CHECKED BY	5/20/89
NOTED BY	6/20/89
NO.	



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OR UNDER MY SUPERVISION

John H.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-I(61)	1990	308	424



NOTE:

1. VALVE STATION SIZES
A = 4'-9" X 3'-3" HIGH
B = 3'-9" X 3'-3" HIGH
2. SEE DETAIL 1, SHT. NO. MT3 FOR VALVE STATION DETAIL.
3. SEE DETAIL 2, SHT. NO MT3 FOR VALVE BOX DETAIL

IB TUNNEL				
VS NO.	VS LOCATION	VS SIZE	VB LOCATION	VB NO.
1	606+17	B	-	
2	607+20	B	-	
3	608+45	A	608+44.25	1
4	609+70	B	-	
5	610+95	B	-	
6	612+03.708	B	-	
7	613+30	A	613+29.25	2
8	614+55	B	-	
9	615+80	B	-	
10	616+88.708	B	-	
11	618+15	A	618+14.25	3
12	619+40	B	-	
13	620+65	B	-	
14	621+73.708	B	-	
15	623+00	A	622+99.25	4
16	624+25	B	-	
17	625+50	B	-	
18	62+58.708	B	-	
19	627+85	A	627+84.25	5
20	629+10	B	-	
21	630+35	B	-	
22	631+58.708	B	-	
23	632+75	A	632+74.25	6
24	634+00	B	-	
25	635+25	B	-	

F.A.I. PROJ. NO. I-H3-I(61) NOT IN CONTRACT

IB TUNNEL				
VS NO.	VS LOCATION	VS SIZE	VB LOCATION	VB NO.
26	636+38.708	B	-	
27	637+65	A	637+64.25	7
28	638+90	B	-	
29	640+15	B	-	
30	641+38.708	B	-	
31	642+65	A	642+64.25	8
32	643+90	B	-	
33	645+15	B	-	
34	646+38.708	B	-	
35	647+65	A	647+64.25	9
36	648+90	B	-	
37	650+15	B	-	
38	651+38.708	B	-	
39	652+65	A	652+64.25	10
40	653+90	B	-	
41	655+13	B	-	

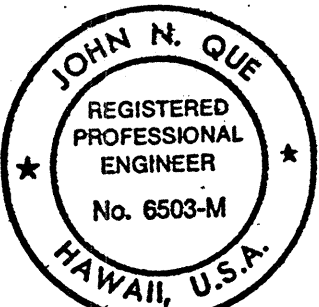
OB TUNNEL				
VS NO.	VS LOCATION	VS SIZE	VB LOCATION	VB NO.
1	604+32	B	-	
2	605+60	B	-	
3	606+85	B	-	
4	608+10	A	608+09.25	1
5	609+35	B	-	
6	610+60	B	-	
7	611+83.708	B	-	
8	613+10	A	613+09.25	2
9	614+35	B	-	
10	615+60	B	-	
11	616+83.708	B	-	
12	618+10	A	618+09.25	3
13	619+35	B	-	
14	620+60	B	-	
15	621+83.708	B	-	
16	623+10	A	623+09.25	4
17	624+35	B	-	
18	625+60	B	-	
19	626+83.708	B	-	
20	628+10	A	628+09.25	5
21	629+35	B	-	
22	630+60	B	-	
23	631+83.708	B	-	
24	633+10	A	633+09.25	6
25	634+35	B	-	

F.A.I. PROJ. NO. I-H3-I(61) NOT IN CONTRACT

OB TUNNEL				
VS NO.	VS LOCATION	VS SIZE	VB LOCATION	VB NO.
26	635+60	B	-	
27	636+83.708	B	-	
28	638+10	A	638+09.25	7
29	639+35	B	-	
30	640+60	B	-	
31	641+83.708	B	-	
32	643+10	A	643+09.25	8
33	644+35	B	-	
34	645+60	B	-	
35	646+73.708	B	-	
36	648+00	A	647+99.25	9
37	649+25	B	-	
38	650+50	B	-	
39	651+58.708	B	-	
40	652+85	A	652+84.25	10
41	654+10	B	-	
42	655+35	B	-	
43	656+03	B	-	

FOR DETAIL AS-BUILT INFORMATION
REFER TO CONSTRUCTION SUBMITTALS

1-28-92	REV. VS NO. 22 LOCATION PER DCN 61-023
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
VALVE STATION LOCATION PLAN HAIKU TUNNELS INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-I(61)	
SCALE: NONE	DATE: JAN 1990
SHEET NO. MT1	OF 3 SHEETS

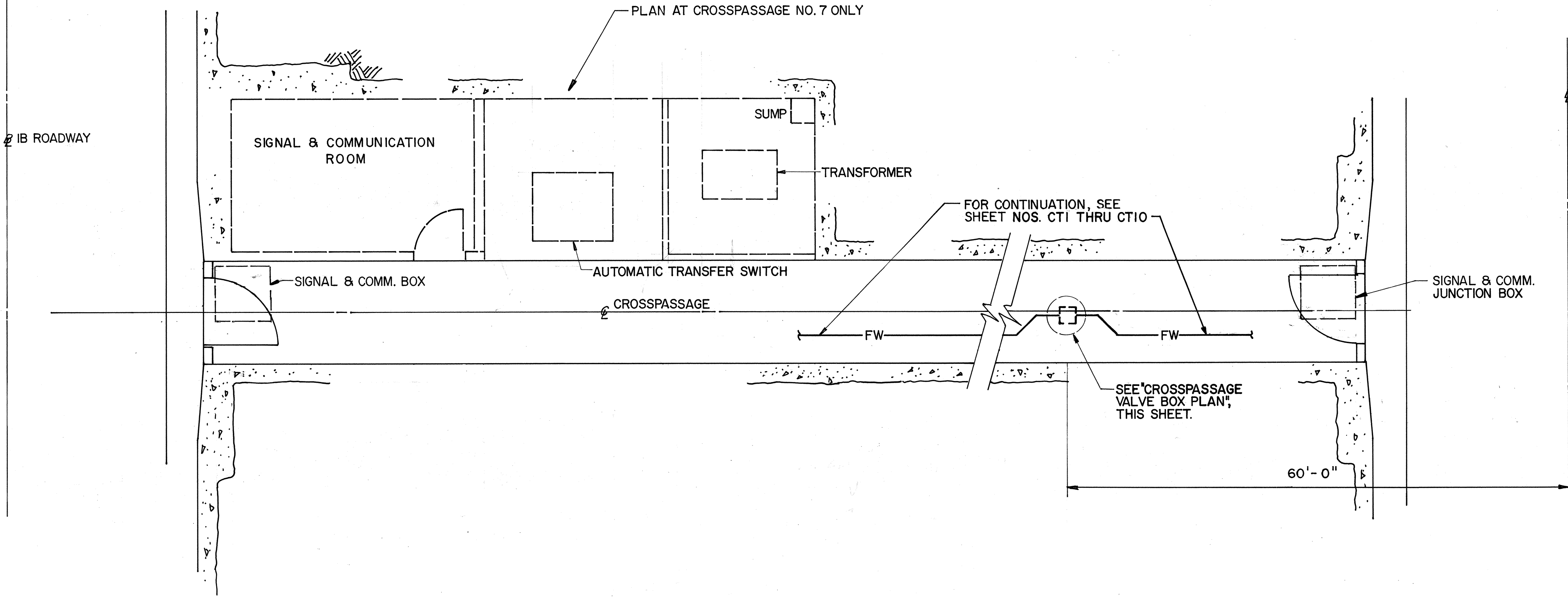
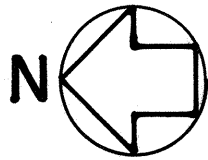


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OR UNDER MY SUPERVISION

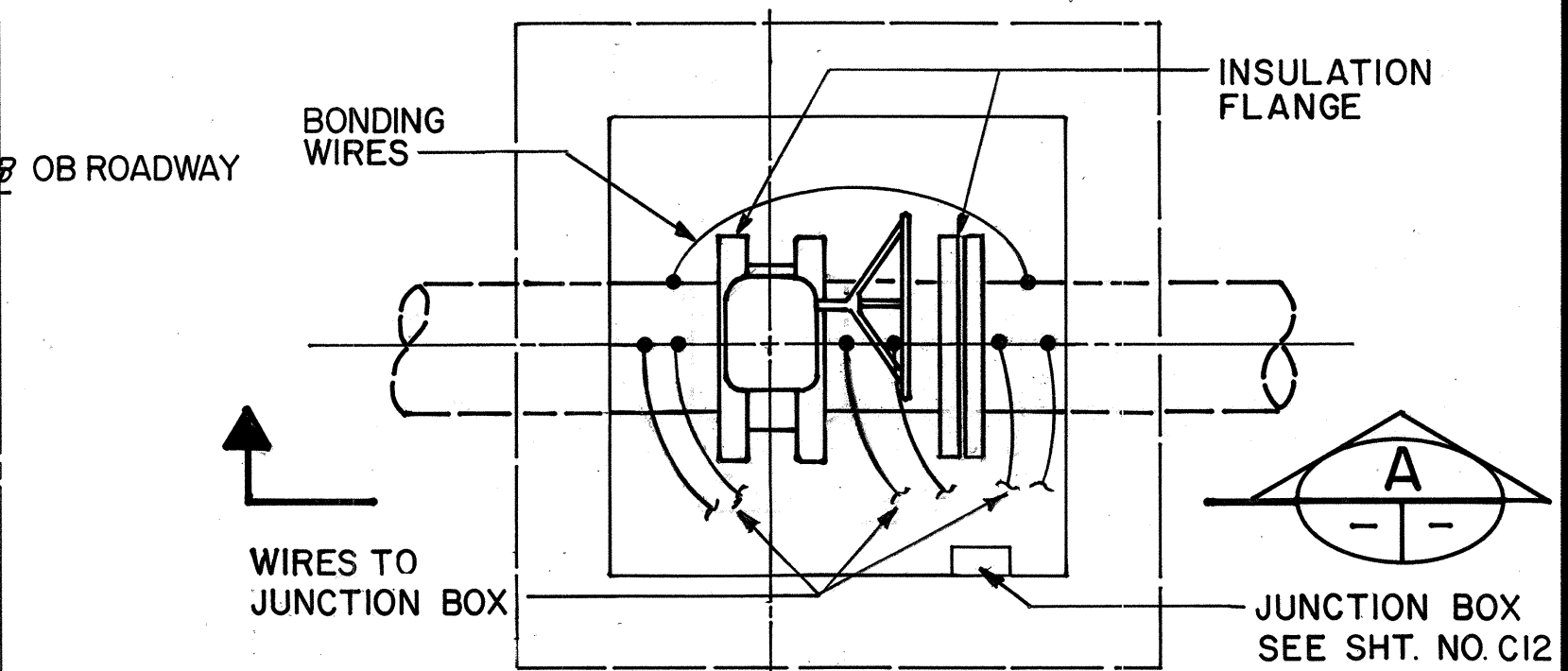
John N. Que

SURVEY PLOTTED BY	DATE
DRAWN BY	4/19/89
DESIGNED BY	4/17/89
QUANTITIES BY	5/20/89
CHECKED BY	
NO.	

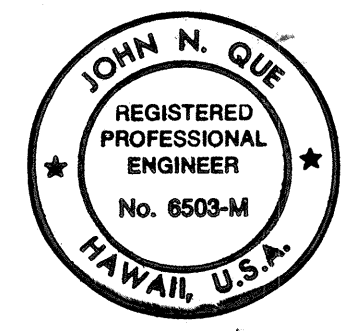
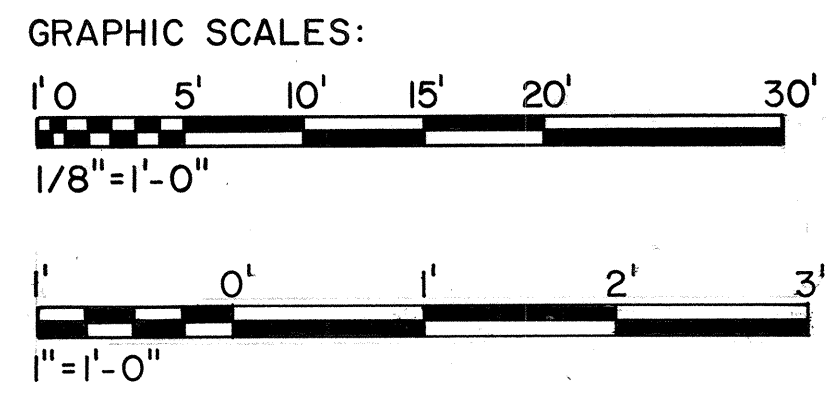
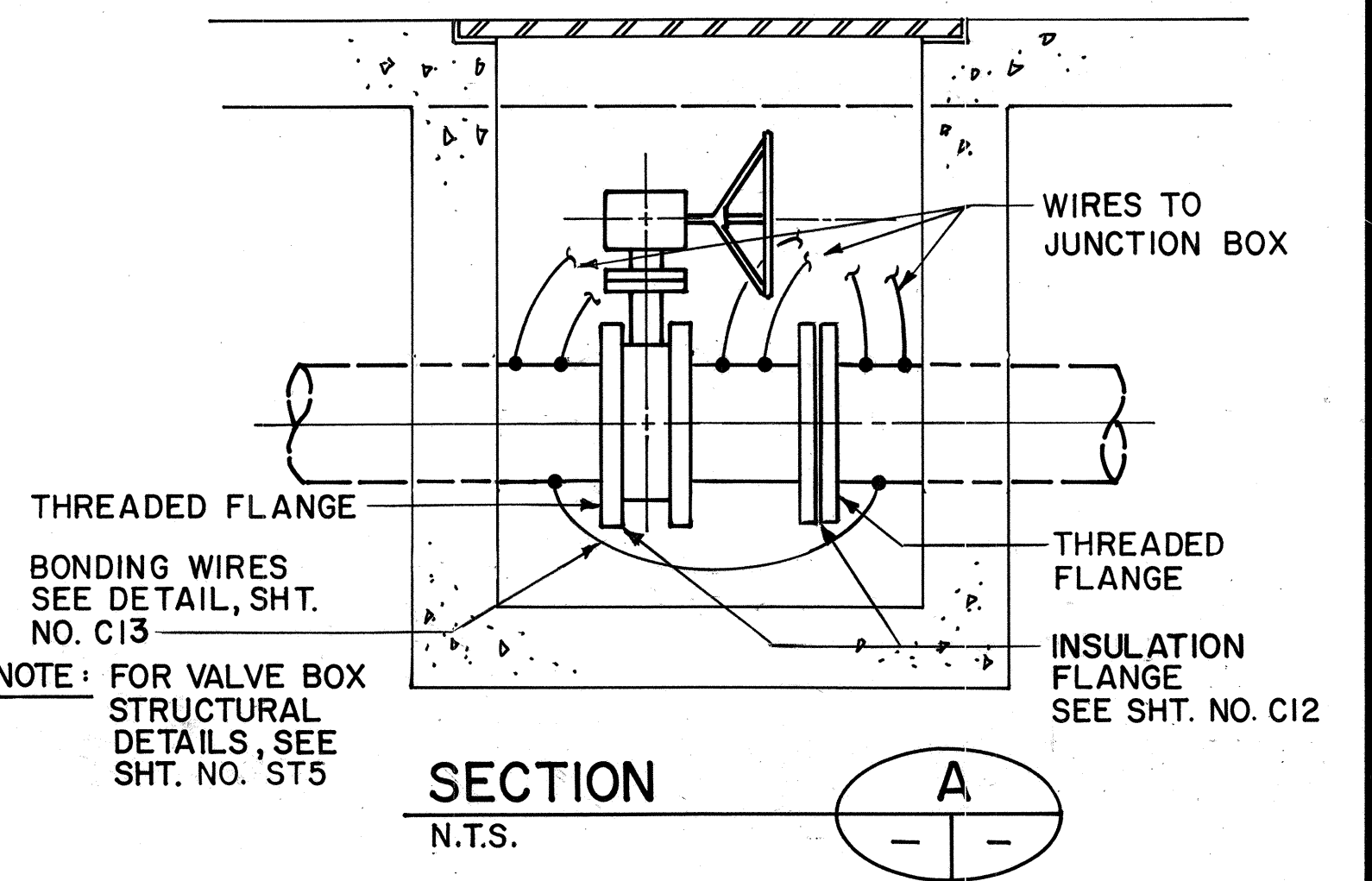
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	309	424



TYPICAL CROSSPASSAGE PLAN
(EXCEPT AS NOTED)
1/8"=1'-0"



VALVE BOX PARTIAL PLAN
N.T.S.



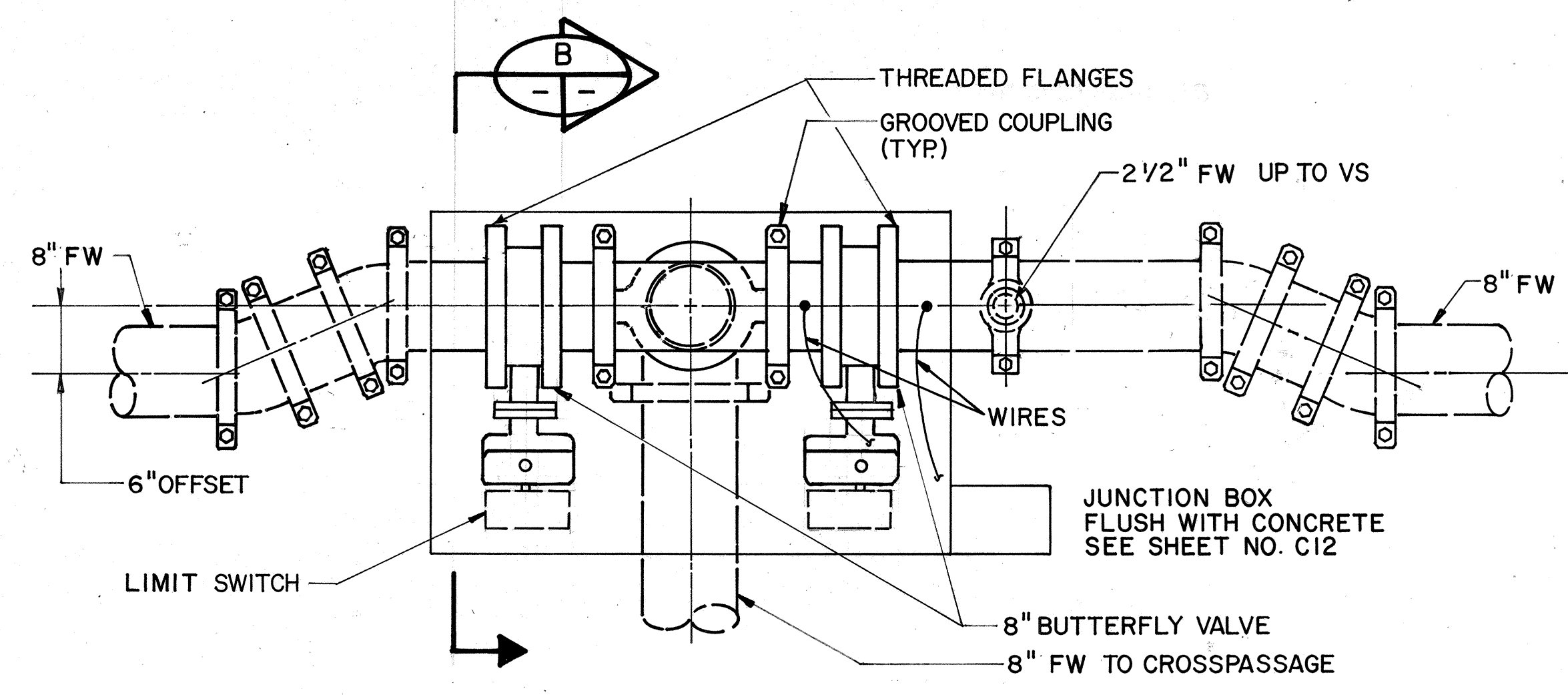
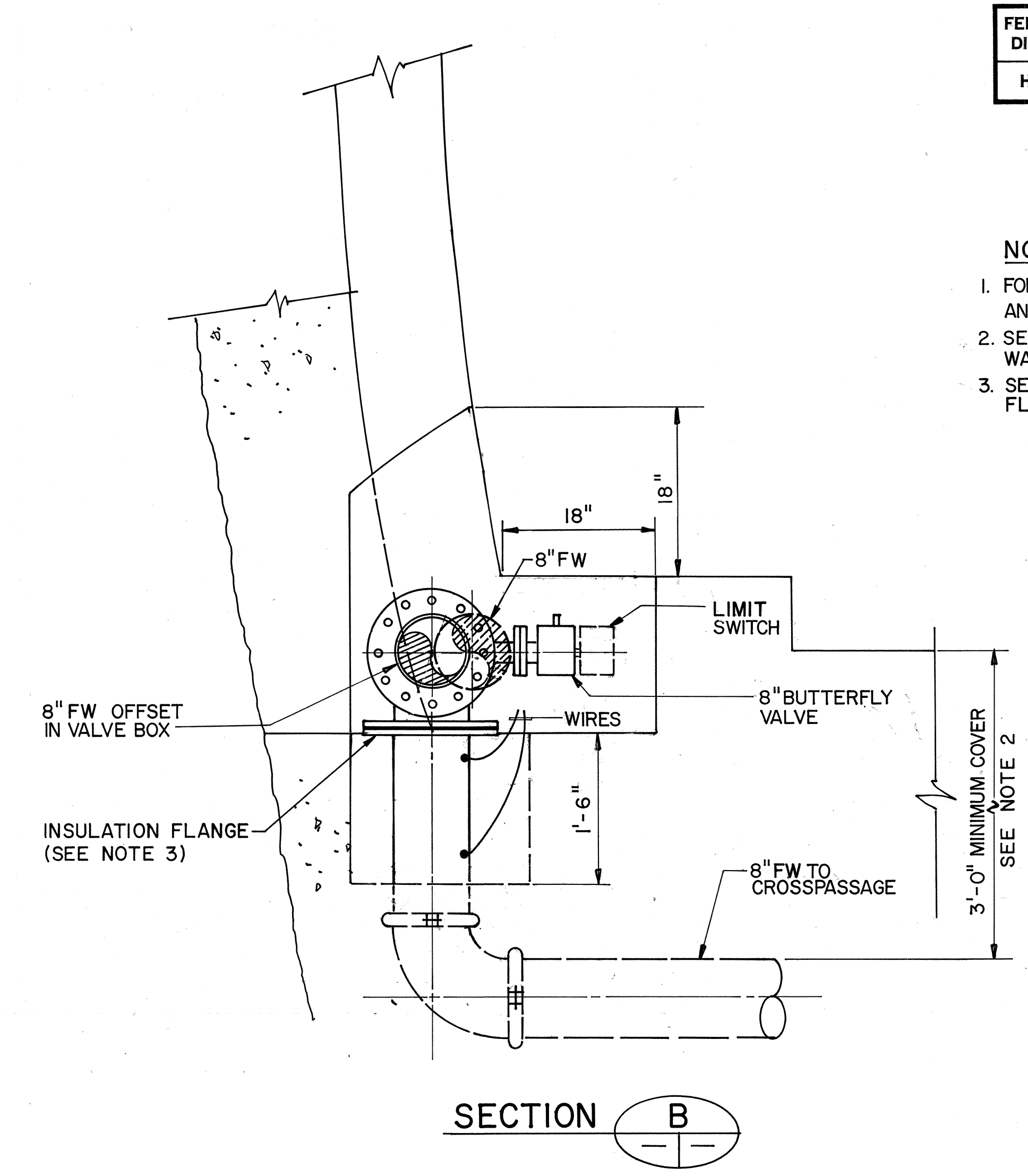
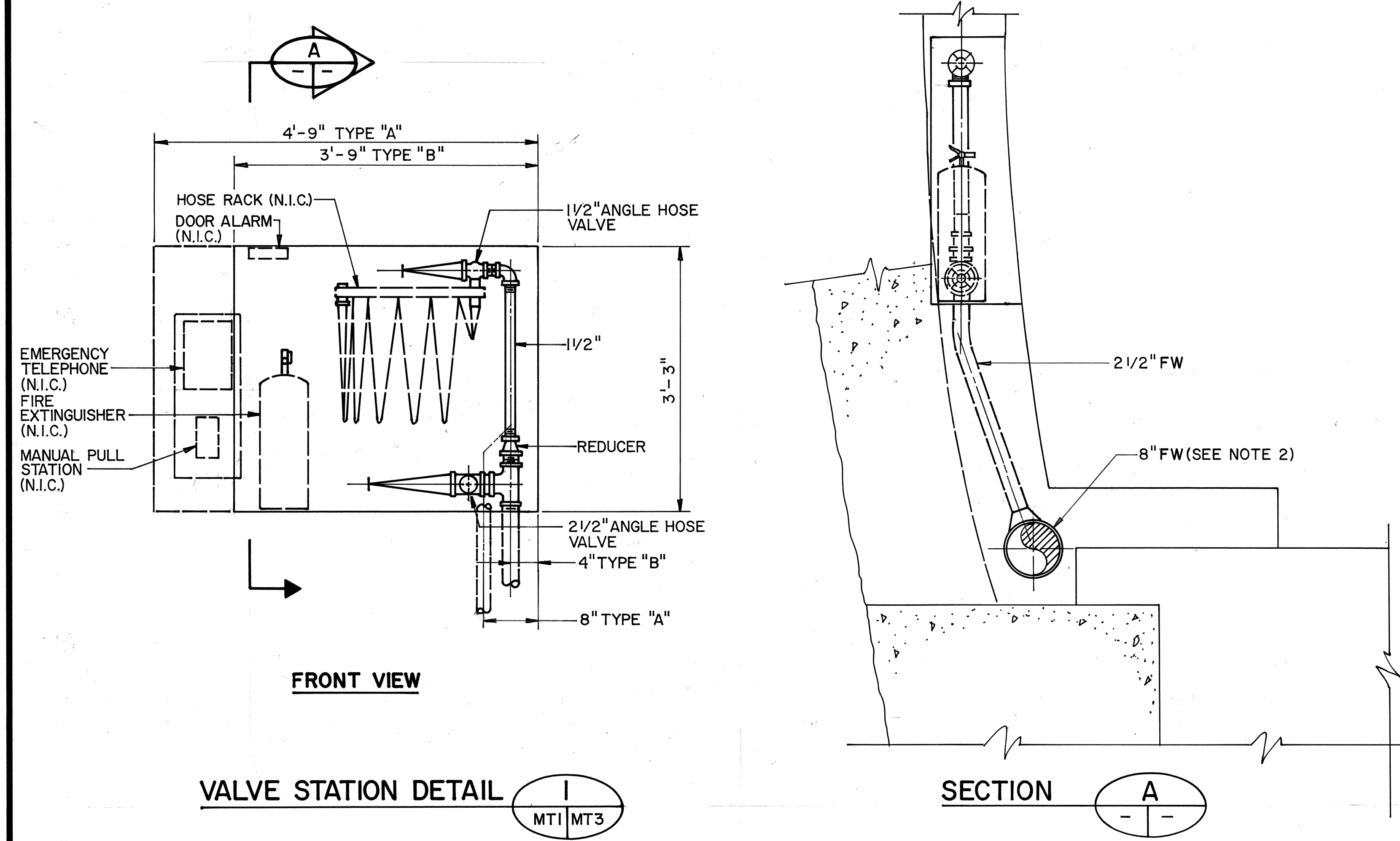
THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

4/26/90	REVISED VALVE BOX PLAN & SECTION A
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION FIRE PROTECTION - CROSSPASSAGE PARTIAL PLAN HAIKU TUNNELS INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)	
SCALE: AS NOTED	DATE: JAN 1990
SHEET NO. MT2 OF 3 SHEETS	

ORIGINAL PLAN	DATE
DESIGNED BY	5/8/89
DRAWN BY	5/3/89
CHECKED BY	5/3/89
QUANTITIES BY	
NOTED BY	
NO.	

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	I-H3-1(61)	1990	310	424

- NOTE:
- FOR STRUCTURAL DETAILS OF VALVE STATION AND VALVE BOX SEE SHEET NO. ST8.
 - SEE SHEET NO. C9 FOR LOCATION OF FIRE WATER LINE.
 - SEE SHEET NO. C12 FOR DETAILS OF INSULATION FLANGE.



THIS WORK WAS PREPARED BY ME
OR UNDER MY SUPERVISION

John M. Oke

DATE	REVISION
4/26/90	REVISED 8" WSP TO 8" FW & IDENTIFIED THREADED FLANGES.
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION FIRE PROTECTION - SECTIONS AND DETAIL HAIKU TUNNELS INTERSTATE ROUTE H-3 F.A.I. PROJ. NO. I-H3-1(61)	
SCALE: 1"=1'-0" DATE: JAN 1990 SHEET NO. MT3 OF 3 SHEETS	

DATE: 5/11/89
 DRAWN BY: B.F. BUNYI, JR.
 DESIGNED BY: P.L. LAJOLLE
 CHECKED BY: D.E. DRYDEN
 NO. 5/26/89