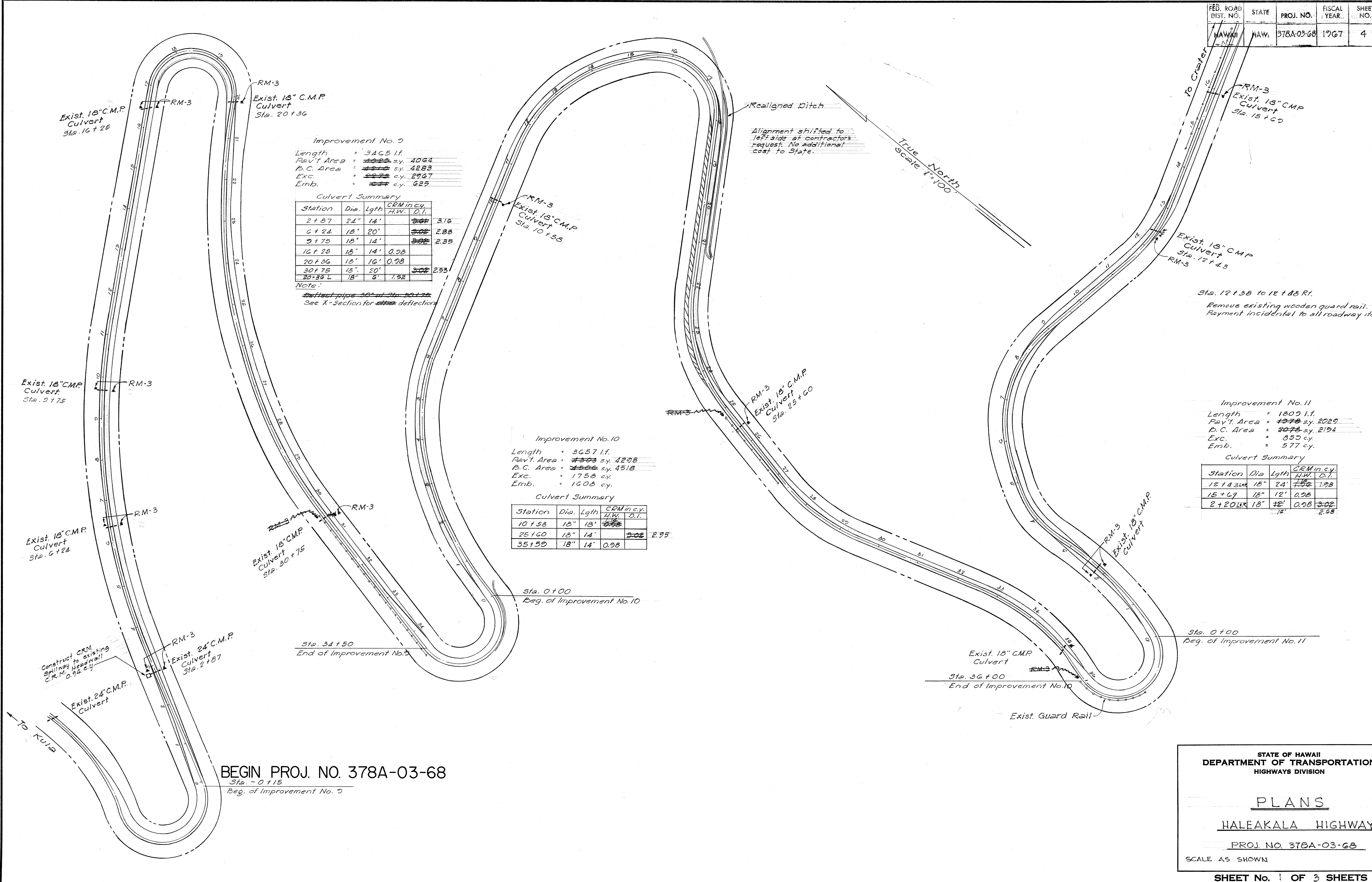


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-03-68	1967	4	25

DATE	_____
SURVEY PLOTTED BY	_____
DESIGNED BY	_____
TRACED BY	_____
NOTE BOOK	_____
CHECKED BY	_____
No.	_____



Improvement No. 9
Length = 3465 l.f.
Pav't Area = ~~4064~~ sy. 4064
P.C. Area = ~~4283~~ sy. 4283
Exc. = ~~2967~~ cy. 2967
Emb. = ~~625~~ cy. 625

Culvert Summary

Station	Dia.	Lgth	CEM in cy.	H.W.	D.I.
2+87	24"	14'	3.16		
6+24	18"	20'	2.88		
9+75	18"	14'	2.35		
16+25	18"	14'	0.98		
20+36	18"	16'	0.98		
30+75	18"	20'	2.93		
20+36 L	18"	6'	1.52		

Note:
~~Deflect pipe 30' at Sta. 20+155~~
See X-Section for ~~deflection~~

Improvement No. 10
Length = 3657 l.f.
Pav't Area = ~~4298~~ sy. 4298
P.C. Area = ~~4318~~ sy. 4318
Exc. = 1758 cy.
Emb. = 1608 cy.

Culvert Summary

Station	Dia.	Lgth	CEM in cy.	H.W.	D.I.
10+58	18"	18'	2.95		
25+60	18"	14'	3.02		
35+50	18"	14'	0.98		

Improvement No. 11
Length = 1809 l.f.
Pav't Area = ~~2029~~ sy. 2029
P.C. Area = ~~2124~~ sy. 2124
Exc. = 855 cy.
Emb. = 577 cy.

Culvert Summary

Station	Dia.	Lgth	CEM in cy.	H.W.	D.I.
12+43	18"	24'	1.98		
15+60	18"	12'	0.98		
2+20	18"	12'	0.98		
	18"	12'	3.02		
			2.68		

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLANS
HALEAKALA HIGHWAY
PROJ. NO. 378A-03-68
SCALE AS SHOWN

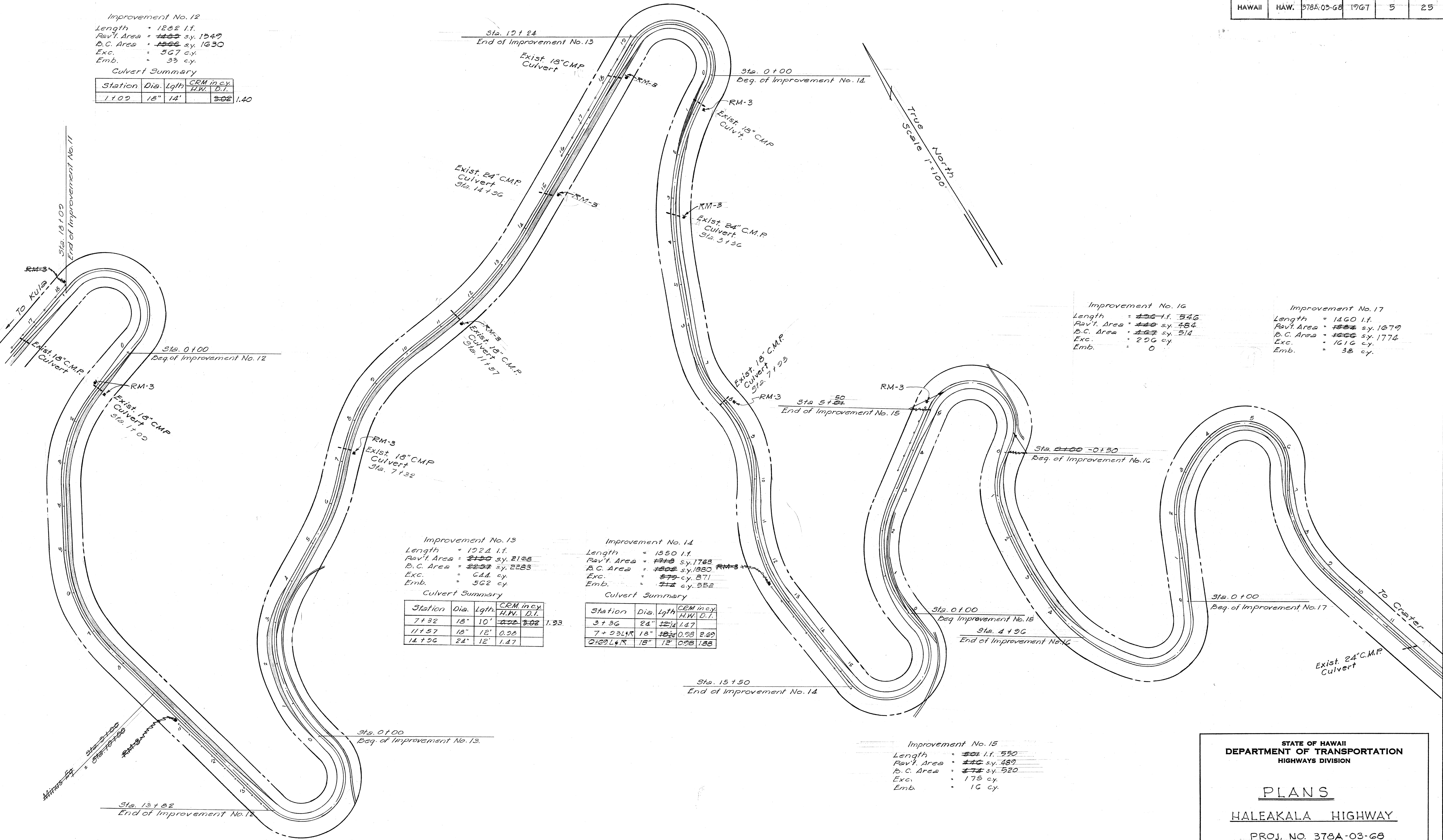
SHEET No. 1 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-03-68	1967	5	25

Improvement No. 12
Length = 1282 l.f.
Pav't. Area = ~~1103~~ sy. 1549
B.C. Area = ~~1066~~ sy. 1630
Exc. = 567 cy.
Emb. = 33 cy.

Culvert Summary

Station	Dia.	Lgth	CRM incy.	H.W. D.I.
1+09	18"	14'	302	1.40



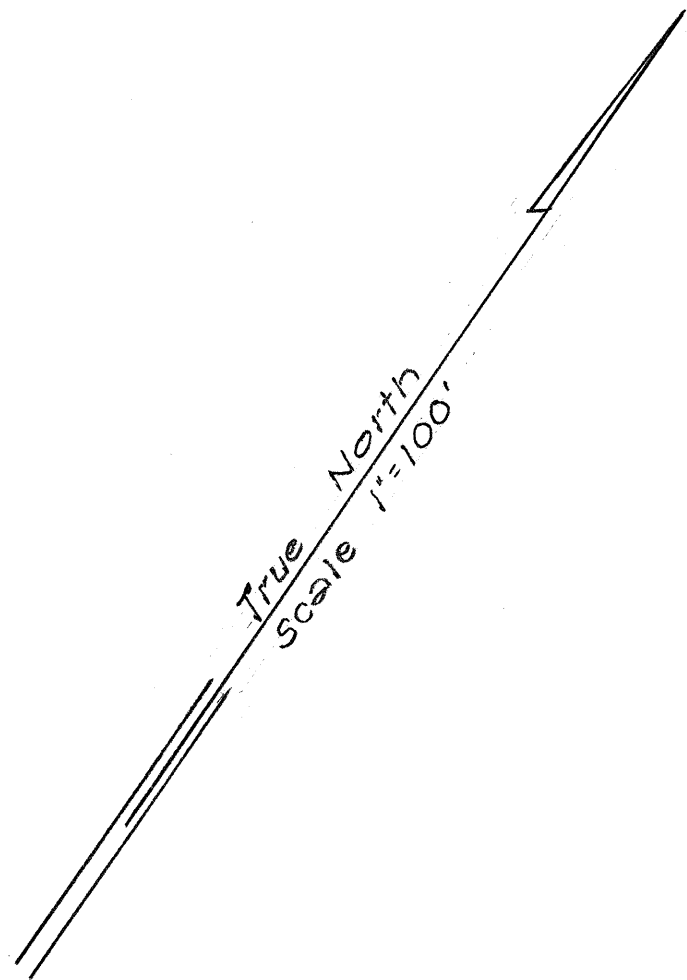
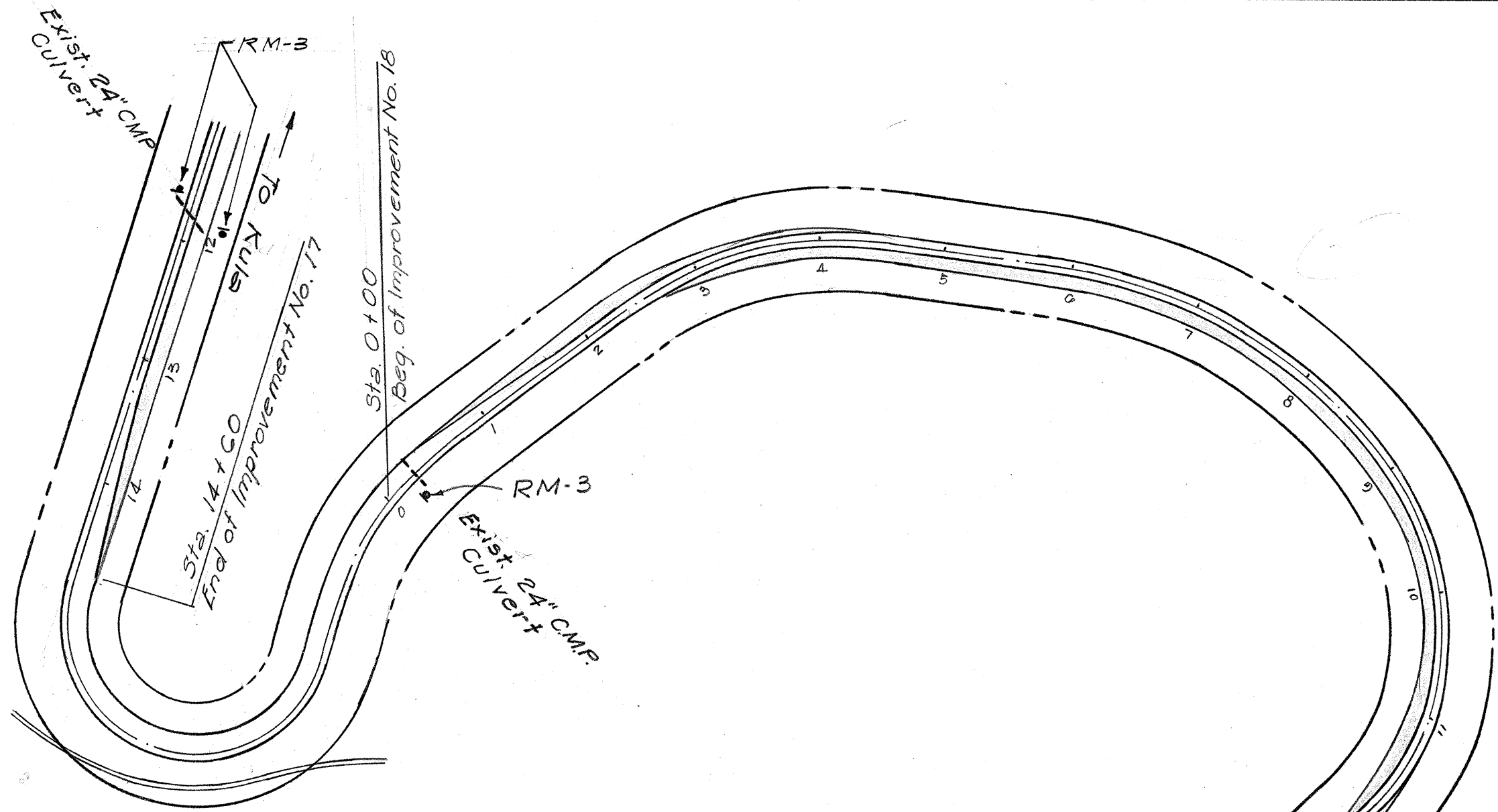
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
PLAN	DRAWN BY	
NOTE BOOK	TRACED BY	
CHECKED BY	QUANTITIES BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

PLANS
HALEAKALA HIGHWAY
PROJ. NO. 378A-03-68
SCALE AS SHOWN

SHEET No. 2 OF 3 SHEETS

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	378A-03-68	1967	6	25



Improvement No. 18
 Length = 2560 l.f.
 Pavt. Area = 2820 sq. 3049
 B.C. Area = ~~3049~~ 3049
 Exc. = 1467 cy.
 Emb. = ~~315~~ 320

Culvert Summary

Station	Dia.	Lgth	CRM in cy	H.W.	D.I.
15+73	18"	12'	0.28		
22+07	18"	12'	0.28		
24+37	18"	12'	0.28		
0+30	24"		2.30		

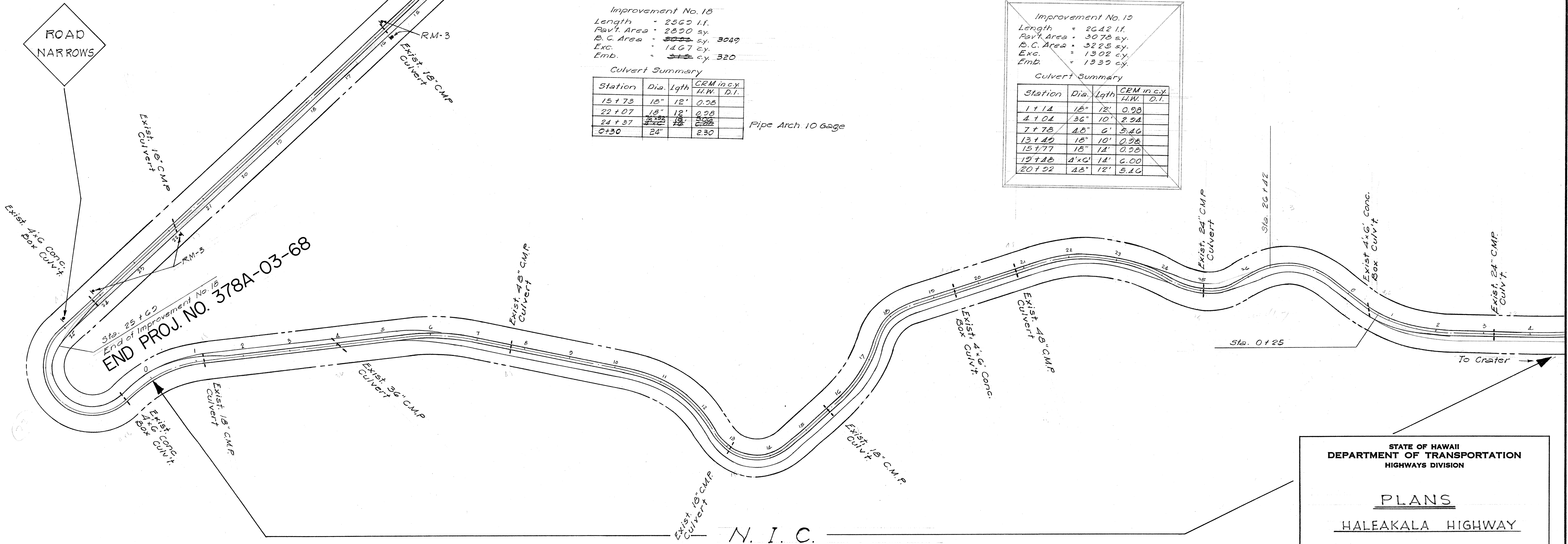
Pipe Arch 10 Gage

Improvement No. 19

Length = 2612 l.f.
 Pavt. Area = 3078 sq.
 B.C. Area = 3225 sq.
 Exc. = 1302 cy.
 Emb. = 1339 cy.

Culvert Summary

Station	Dia.	Lgth	CRM in cy	H.W.	D.I.
1+14	18"	12'	0.28		
4+04	36"	10'	2.24		
7+73	48"	6'	5.46		
13+40	18"	10'	0.28		
15+77	18"	14'	0.28		
19+18	4'x6'	14'	6.00		
20+22	48"	12'	5.16		



STATE OF HAWAII
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 HIGHWAYS DIVISION

PLANS
 HALEAKALA HIGHWAY

PROJ. NO. 378A-03-68
 SCALE AS SHOWN

SHEET No. 3 OF 3 SHEETS