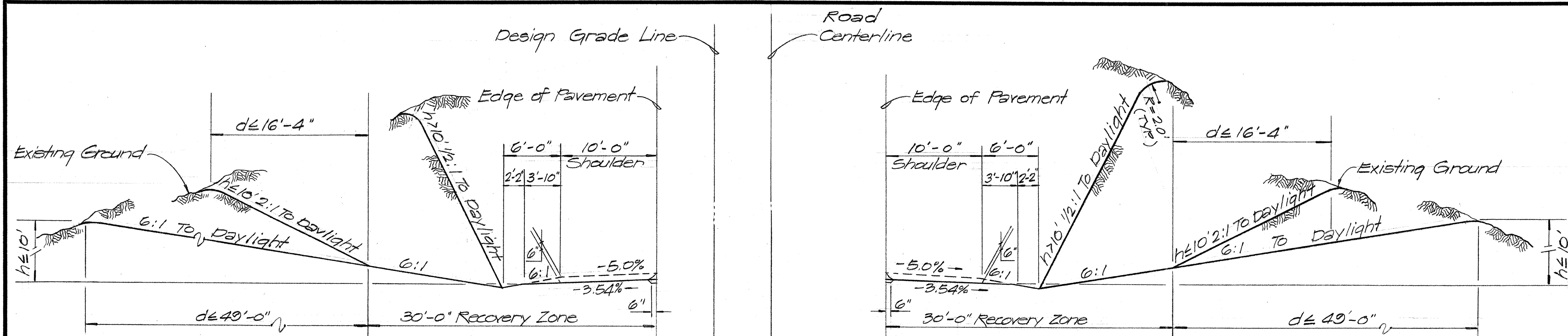
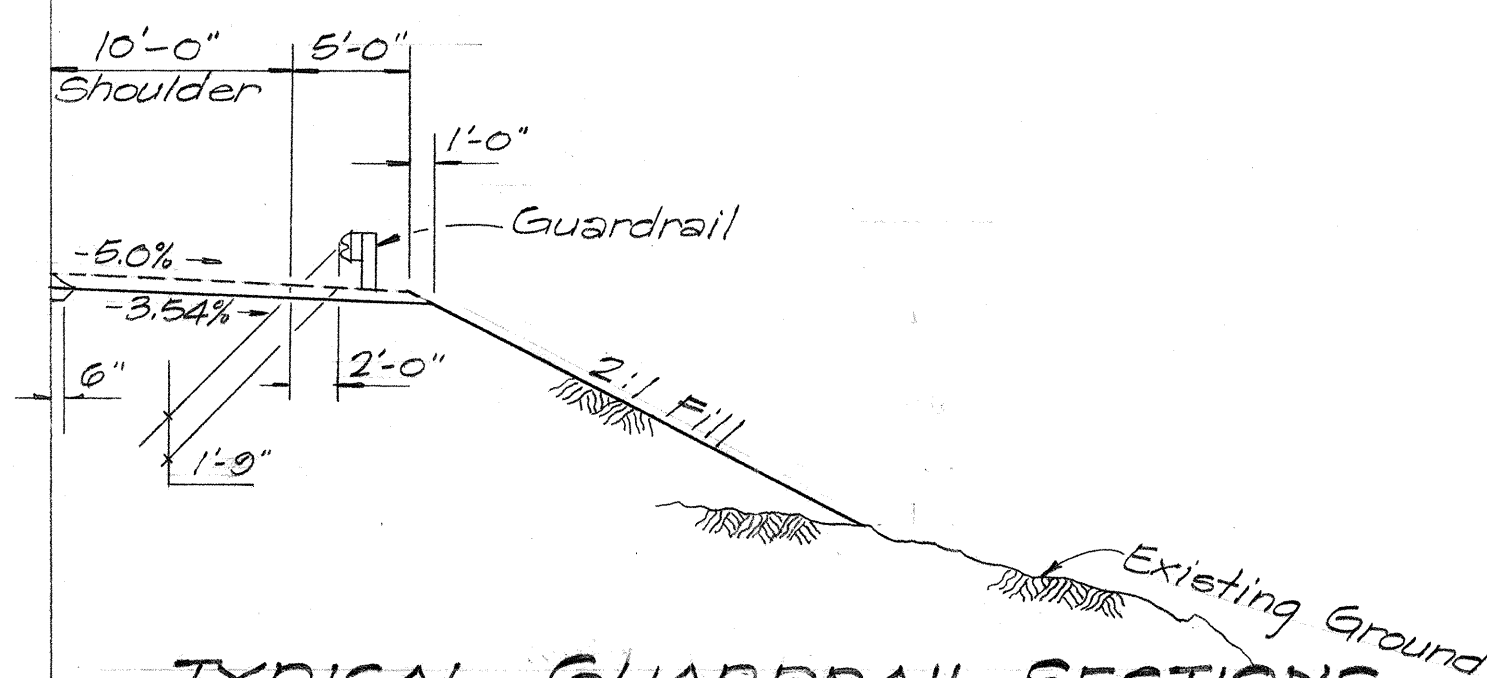
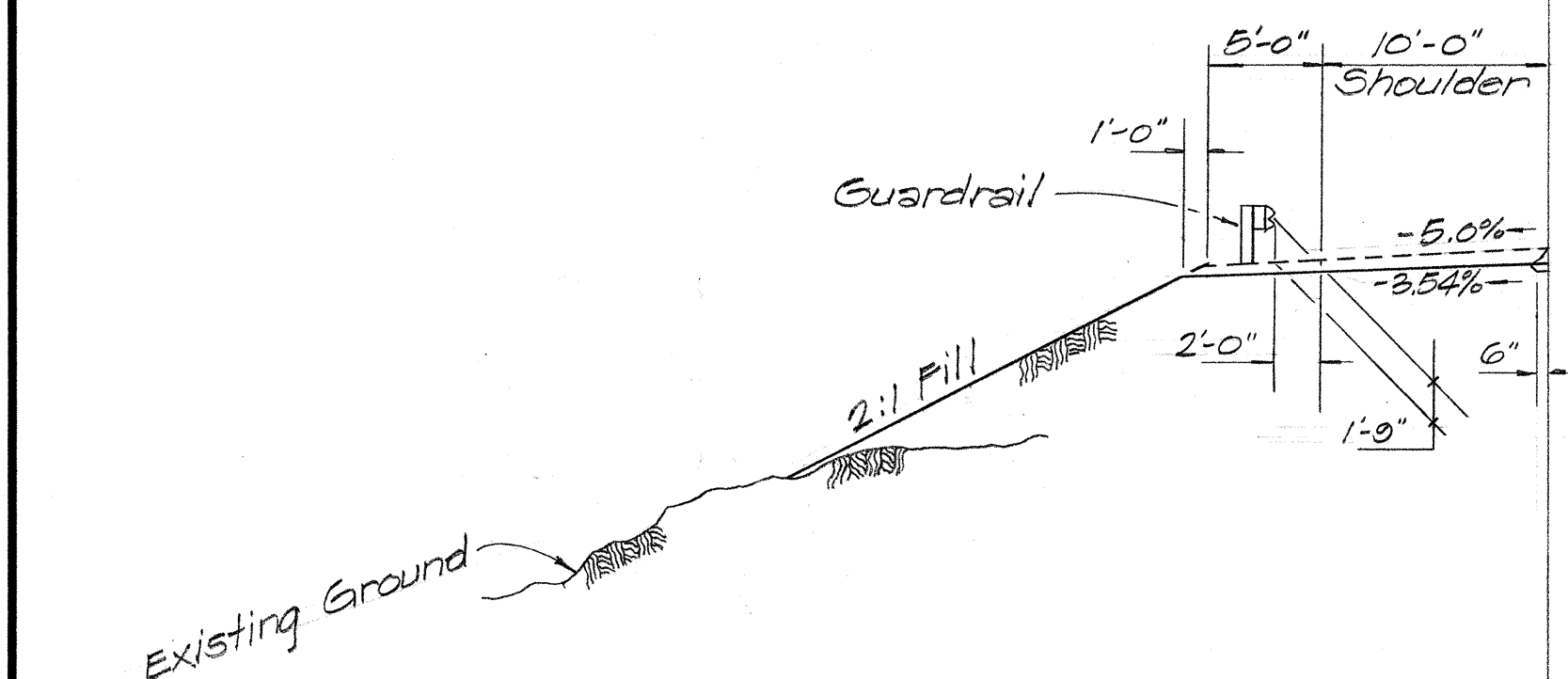


STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	19BC-01-71	1972	2	118



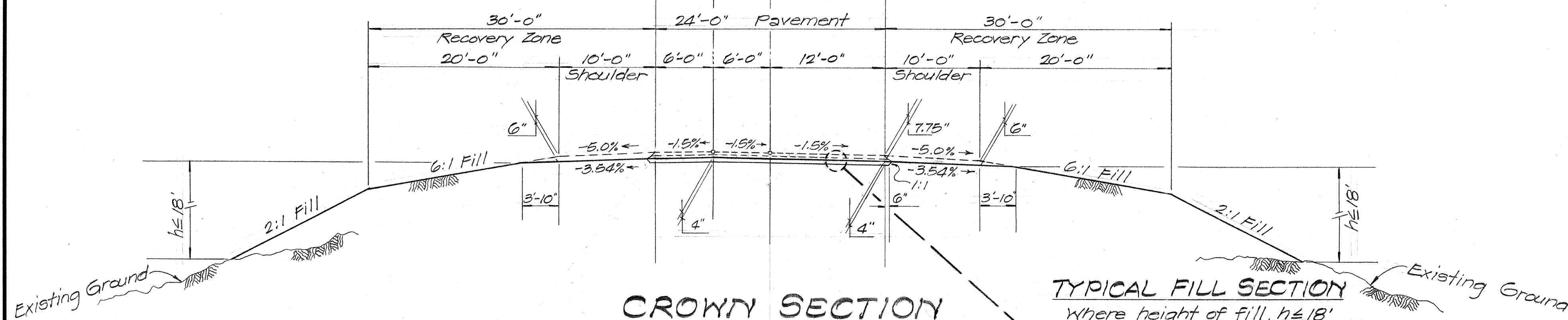
TYPICAL CUT SECTIONS

1. Apply 6:1 where $h \leq 10'$ & $d \leq 49'$
2. Apply 2:1 from end of recovery zone where condition "1" is not met, $h \leq 10'$ & $d \leq 16'-4"$
3. Apply 2:1 from 6' beyond edge of pavement if $h > 10'$



TYPICAL GUARDRAIL SECTIONS

(See Sheet 6 of 118 for Guardrail Schedule)



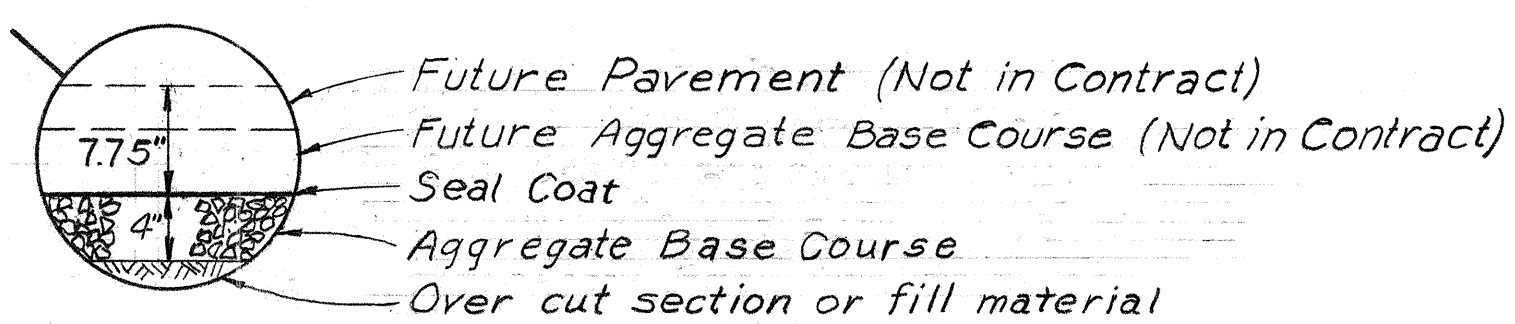
CROWN SECTION

Sta. 266+32.09 to 547+10

644+85 to 799+55
872+77 to 1183+40.88

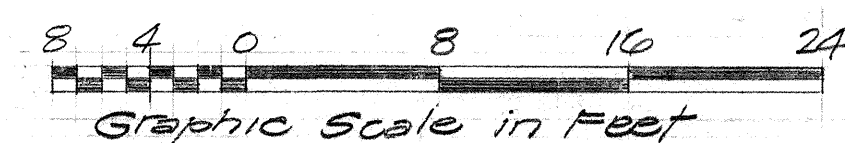
TYPICAL FILL SECTION

Where height of fill, $h \leq 18'$



Notes:

1. Provide smooth shoulder and side slope transition between crown sections and full super-elevated sections: Sta. 547+10 and 560+10, 602+00 and 605+00, 605+00 and 608+25, 641+85 and 644+85, 799+55 and 802+55, 869+77 and 872+77.
2. The typical shoulder and side slope sections drawn above applies to all crown sections.
3. Provide 50' smooth transition between typical cut sections and designated ditches.
4. Round off corners at all daylight points: minimum radius = 2.0'



THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION.

Signature

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROADWAY SECTIONS

KAILUA-KAWAIHAE ROAD
(KE-AHOLE TO ANAE-HOOMALU)

SCALE: AS NOTED

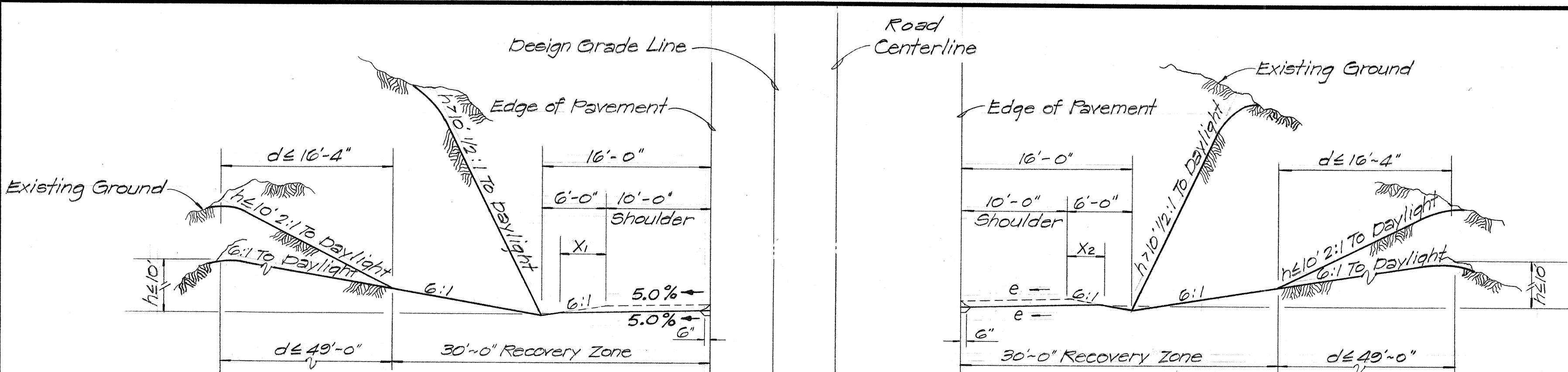
SHEET No. 1 OF 4 SHEETS

July 20, 1972

ADD. 2

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

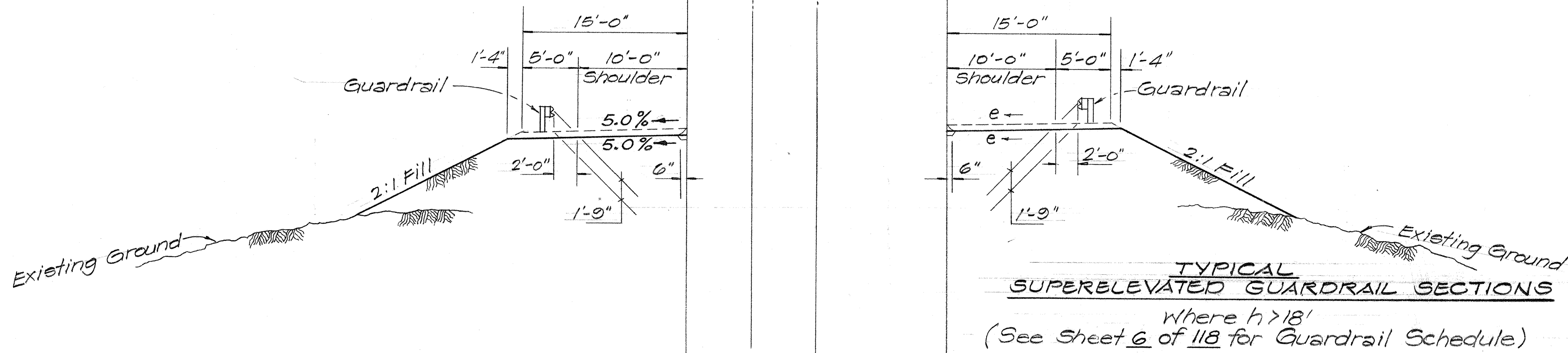
STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAW.	108C-01-71	1972	3	118



Station Limits	e (Superelevation Rate)	X ₁	X ₂
550+10 - 602+00	- 2.15%	3'-5"	4'-5"
608+25 - 641+85	+ 2.58%	4'-7"	3'-4"
802+55 - 860+77	+ 1.5%	4'-3"	3'-7"

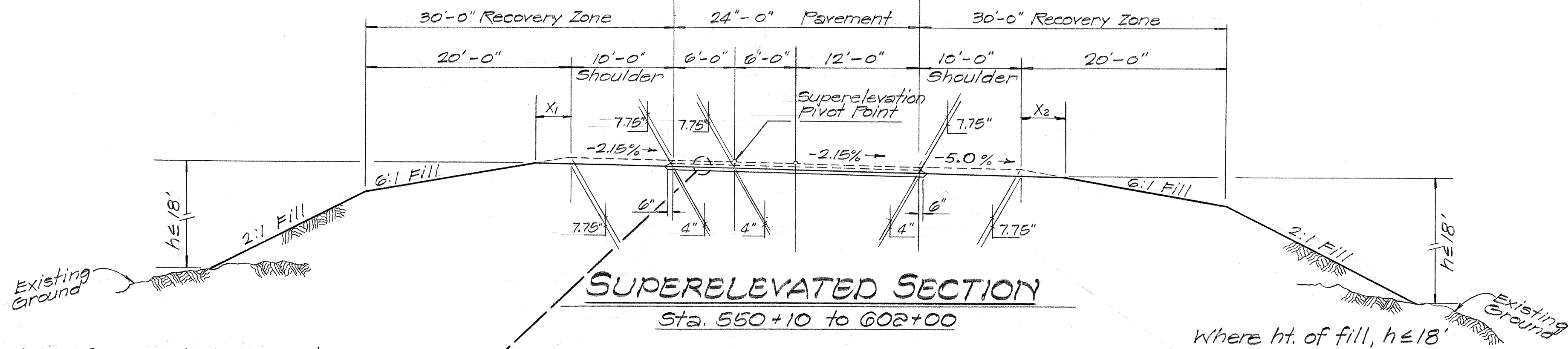
TYPICAL SUPERELEVATED CUT SECTION

1. Apply 6:1 where $h \leq 10'$ & $d \leq 49'$.
2. Apply 2:1 from end of recovery zone where condition "1" is not met, $h \leq 10'$ & $d \leq 16'-4"$.
3. Apply 1/2:1 from 16' beyond edge of pavement if $h > 10'$.



TYPICAL SUPERELEVATED GUARDRAIL SECTIONS

Where $h > 18'$
(See Sheet 6 of 118 for Guardrail Schedule)

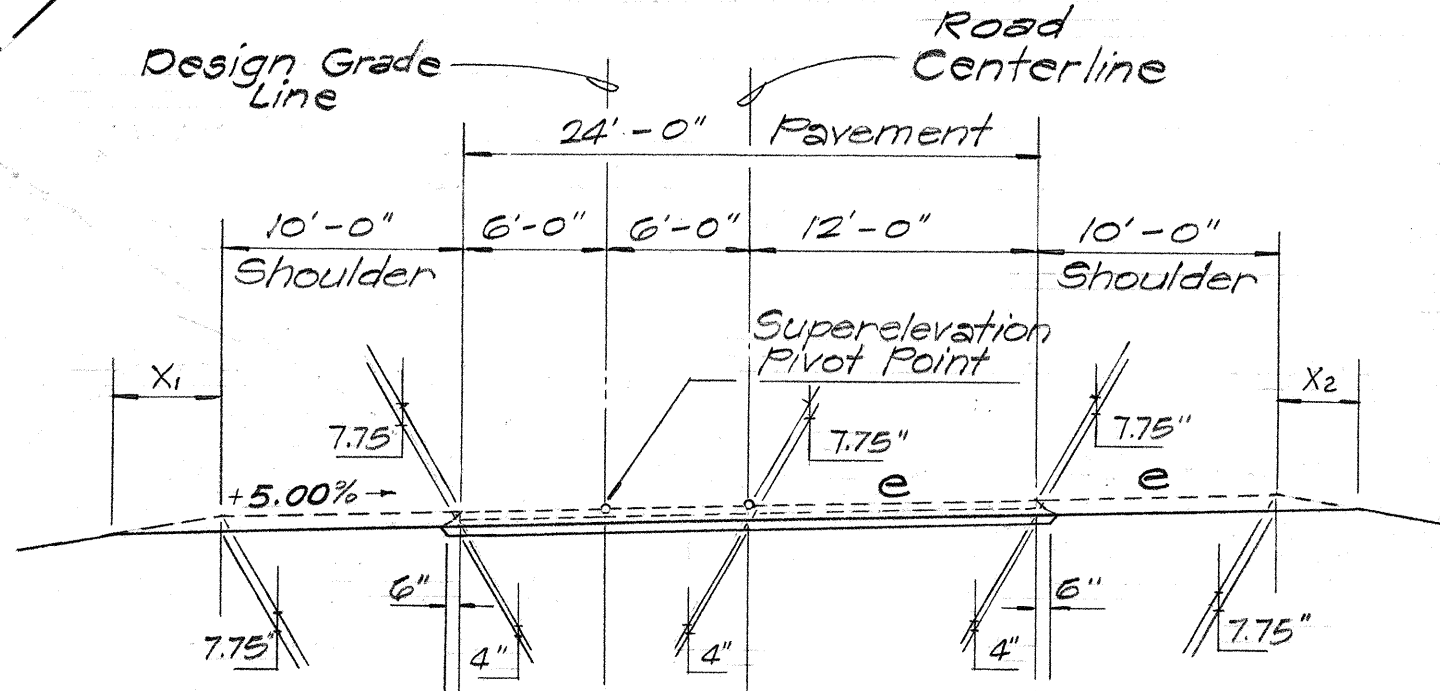


SUPERELEVATED SECTION

Sta. 550+10 to 602+00

Where ht. of fill, $h \leq 18'$

Future Pavement (Not in Contract)
Future Aggregate Base Course (Not in Contract)
Seal Coat
Aggregate Base Course
Over cut Section or Fill Material

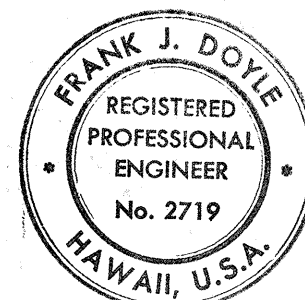


SUPERELEVATED SECTION

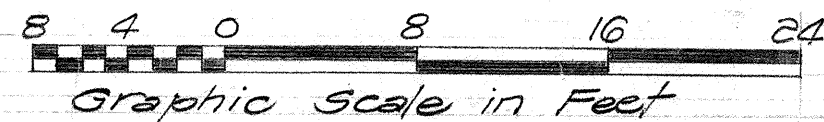
Sta. 608+25 to 641+85

Notes:

1. The typical shoulder and side slope sections drawn above per typical condition applies to all superelevated sections.
2. See note "1" of sheet 2 of 118 for transition requirements.
3. Round off corners at all daylight points: minimum radius = 2.0'.



THIS WORK WAS PREPARED BY
ME OR UNDER MY SUPERVISION.
Frank J. Doyle
SIGNATURE



STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL ROADWAY SECTIONS

KAILUA-KAWAIHAE ROAD
(KE-AHOLE TO ANAEHOOMALU)

SCALE: AS NOTED
SHEET No. 2 OF 4 SHEETS

DATE	BY
DESIGNED BY	
DRAWN BY	
CHECKED BY	
APPROVED BY	