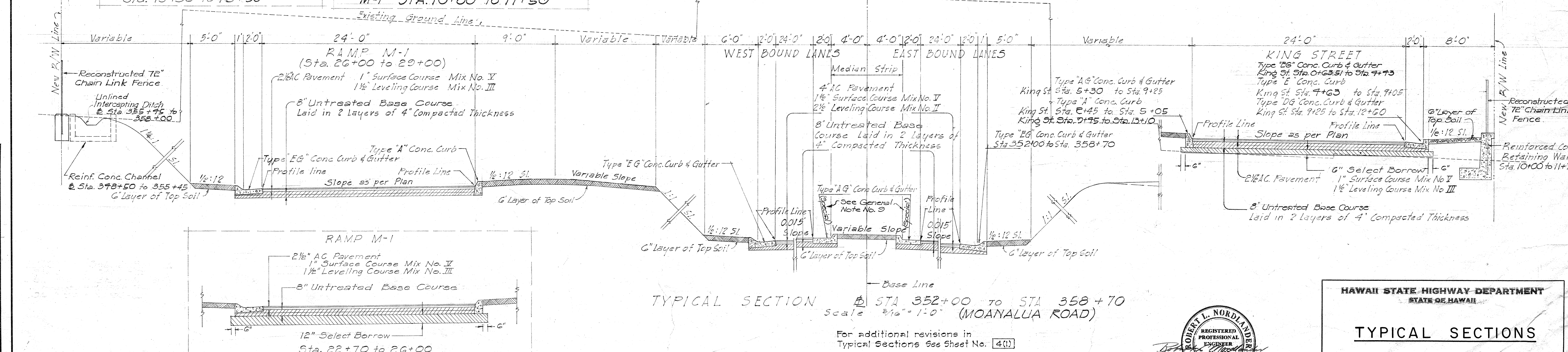
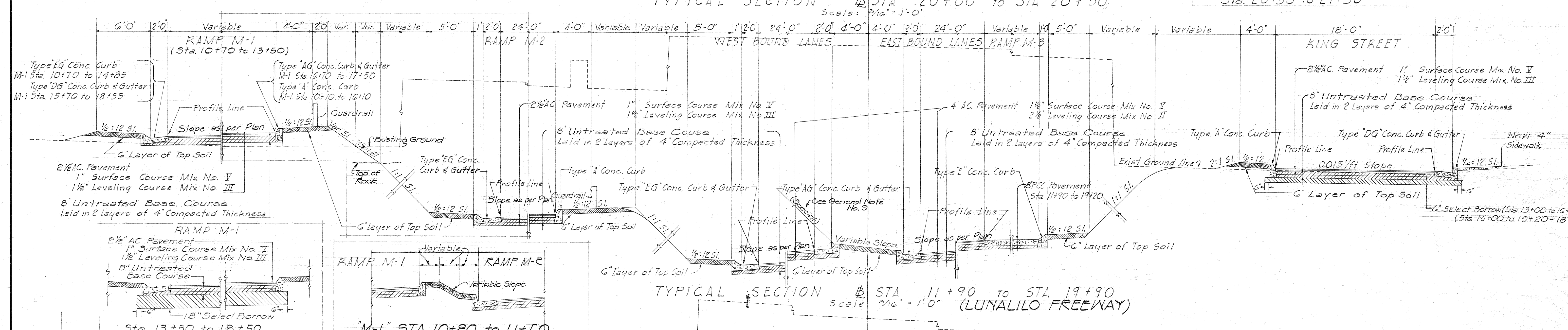
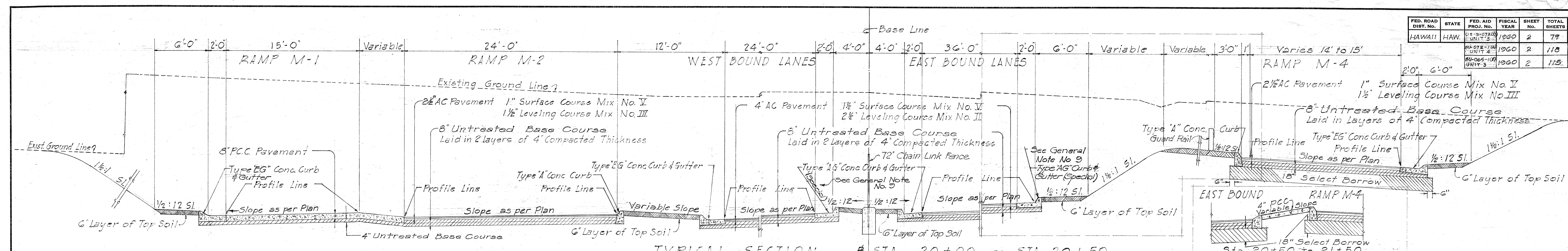


FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	115-01213	1960	2	79
		BU-072-1(1)	1960	2	115
		BU-065-1(1)	1960	2	115

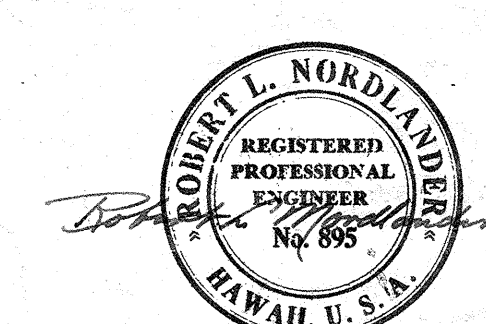


SURVEY PLANNED BY: H. T. T. T.
 DESIGNED BY: H. T. T. T.
 DRAWN BY: H. T. T. T.
 CHECKED BY: H. T. T. T.
 NO. 1

TYPICAL SECTION STA 352+00 to STA 358+70 (MOANALUA ROAD)

For additional revisions in Typical Sections See Sheet No. 4(1)

Note: See "General Notes" on Sheet No. 2 of 4 Sheets.



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STATE OF HAWAII

TYPICAL SECTIONS

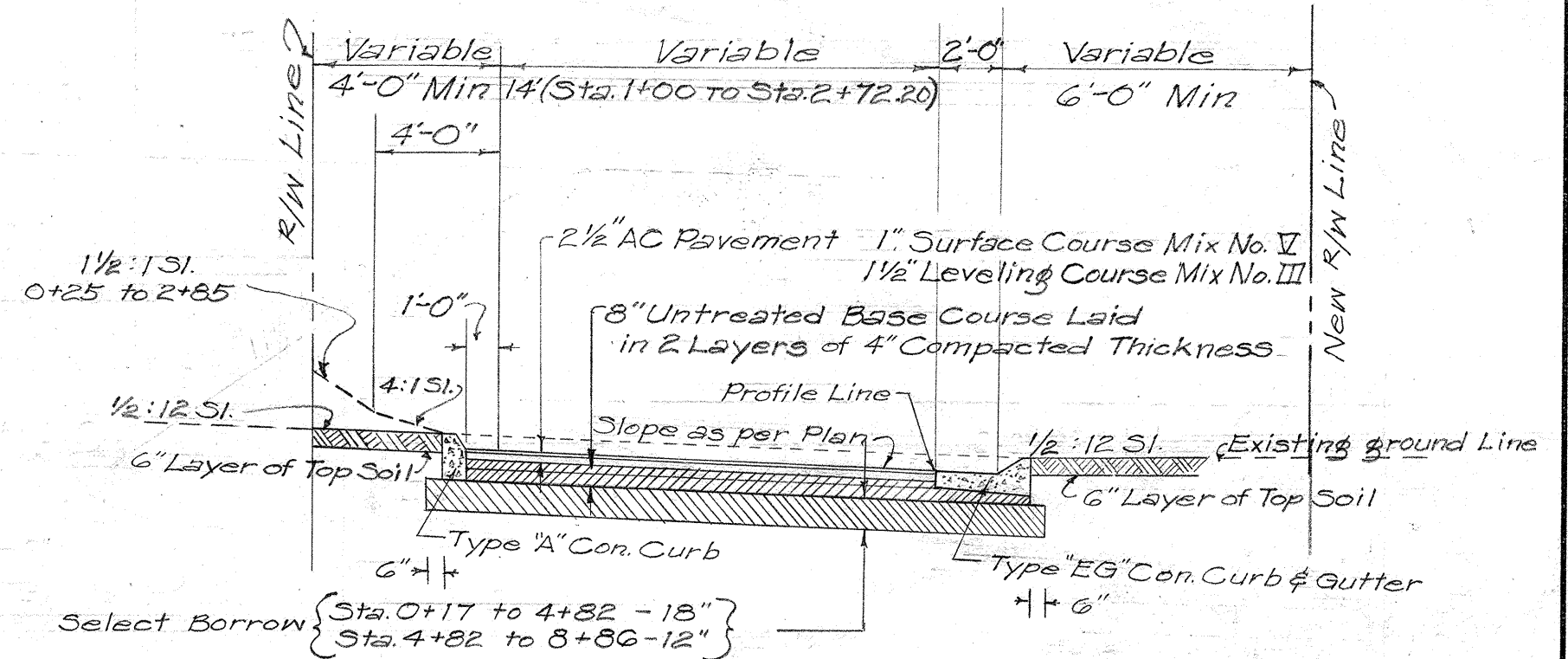
MOANALUA ROAD US-5-0720(3) UNIT 3
LUNALILO FREEWAY BU-072-1(2) UNIT 4
MIDDLE STREET BU-065-1(1) UNIT 3

\$526.2
 \$174.2
 \$161.2

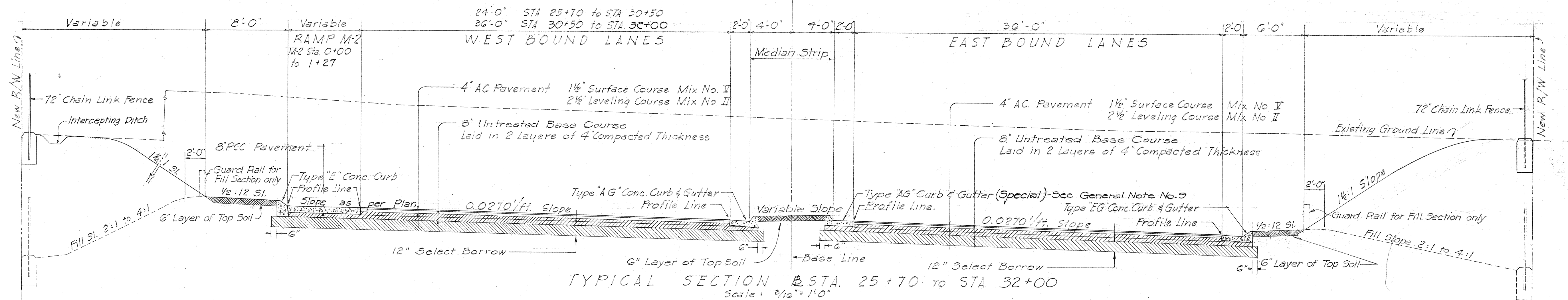
GENERAL NOTES

- Asphalt Concrete Pavement shall be of thickness shown fully compacted. If Mix No. III is used instead of Mix No. II, for Leveling Course, the tonnage of Mix No. III used shall be paid for under Contract item No. 39(2).
- Surface of Existing Pavement shall be broomed and given a tack coat of 0.25 gal. per sq. yd. of Emulsified Asphalt before laying variable thickness of A.C. Mix No. II Leveling Course or A.C. Mix No. V Surface Course whenever the latter mix is placed directly on existing pavement.
- Prime Coat, Slow Curing Liquid Asphalt for Prime Coat shall be applied to the surface of Base Course at the rate of 0.35 gal. per sq. yd. before placing Leveling Course.
- Portland Cement Concrete Pavement shall be reinforced with 6x6, 6 ga. wire mesh reinforcement except where bars reinforcement is required by the Engineer for protection of certain sub-structures. No longitudinal Contact Joints are permitted - pavement shall be paved full width. "Weakened Plane Joints," shall be installed approximately 30 ft. on centers. No Expansion Joints are required. All P.C.C. pavements to be 8" thick unless otherwise noted.
- Excavation shall be Class 'A' on overburden material and Class 'B' on rock.
- Irregularities of Existing Pavements shall be leveled with A.C. Mix No. II before laying Surface Course using Mix No. V. Where base course is to be laid over existing pavement, such pavement shall be removed and sub-grade rolled prior to placing of Base Course. Base Course shall be placed in layers of not over 4" compacted thickness.
- Wherever Type 'A' Conc. Curb is shown, this curb shall be as shown on the Standard Detail; except that recesses shall be omitted.
- Select Borrow Subbase material shall be placed in uniform layers not exceeding 6 inches after compaction. See Sheet No. 4 of 4 for Summary.
- Type 'AG' Curb & Gutter (Special) shall be similar to the Standard Type 'AG' Curb & Gutter except that the gutter shall have the same slope as the adjacent pavement and slope in the same direction. This special curb will be paid for under the item of the standard Type 'AG' Curb & Gutter.

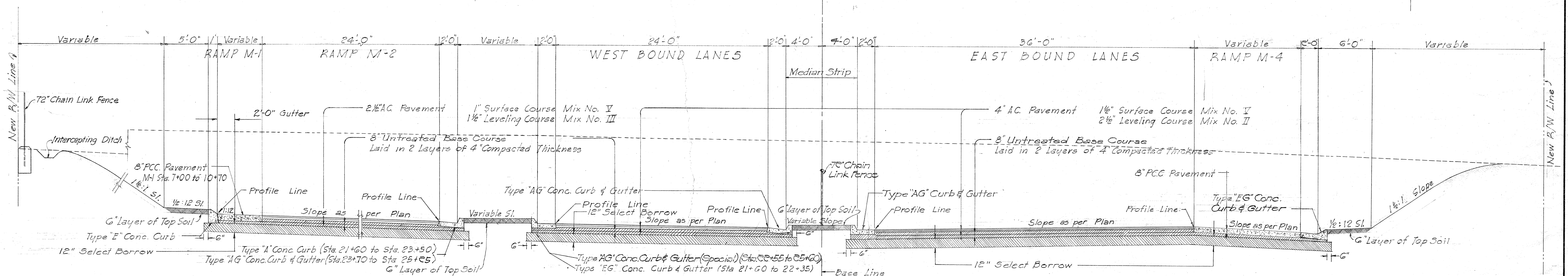
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	BU-072-1(2)	1960	3	79
		BU-072-1(1)	1960	3	118
		BU-065-1(1)	1960	3	115



TYPICAL SECTION - RAMP M-4
Scale: 3/16" = 1'-0"



TYPICAL SECTION - STA. 25+70 TO STA. 32+00
Scale: 3/16" = 1'-0"

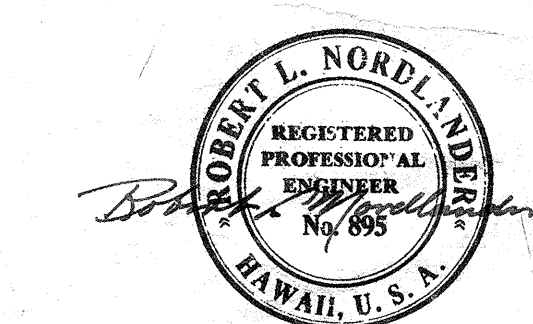


TYPICAL SECTION - STA. 21+60 TO STA. 25+60
Scale: 3/16" = 1'-0"

HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII

TYPICAL SECTIONS

LUNALILO FREEWAY BU-072-1(2) UNIT 4
MIDDLE STREET BU-065-1(1) UNIT 3
MOANALUA ROAD US-5-0720(3) UNIT 3



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SHEET NO. 2 OF 4 SHEETS

\$526.3

\$174.3

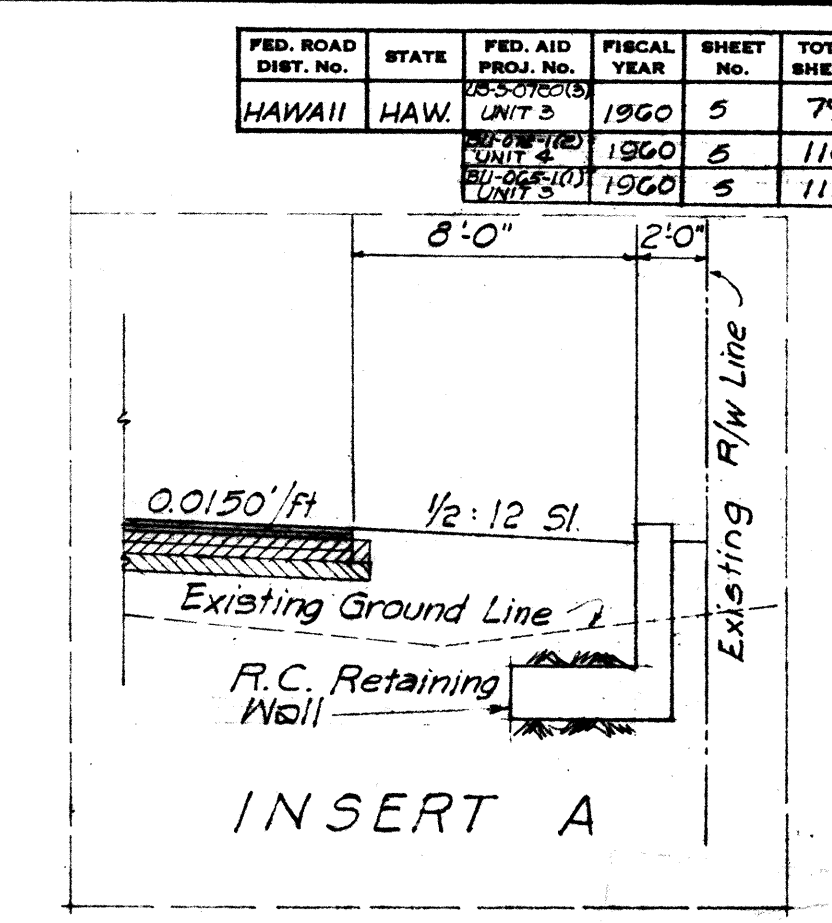
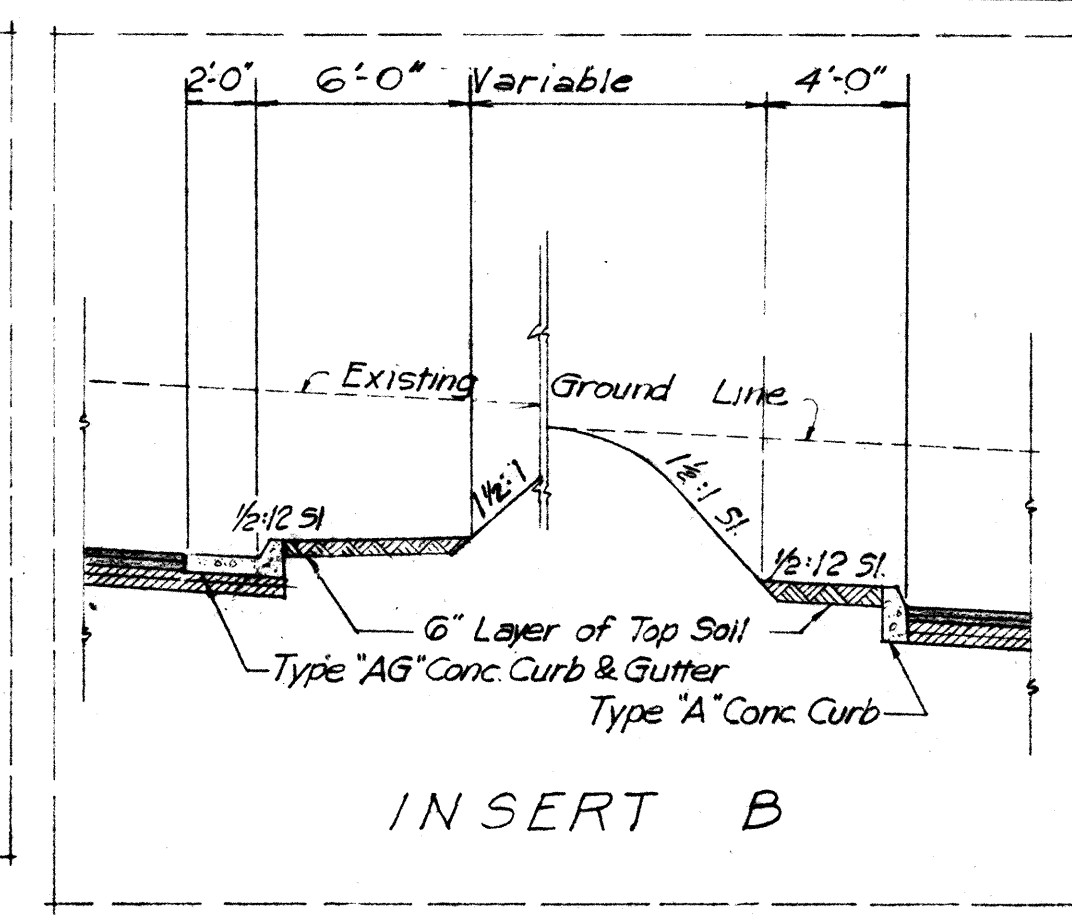
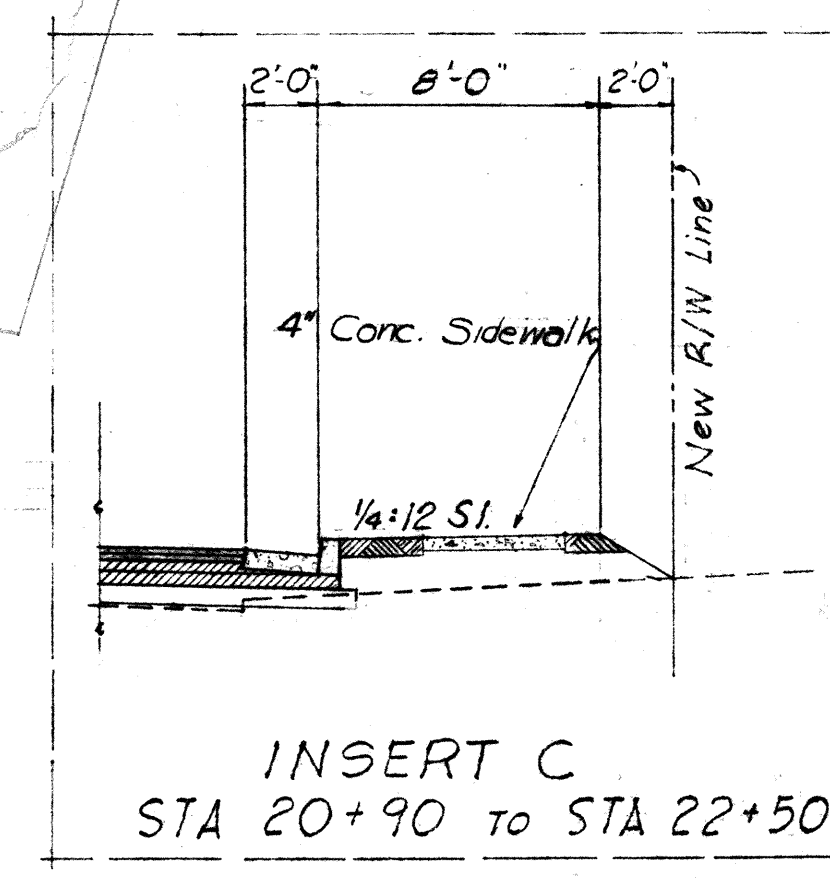
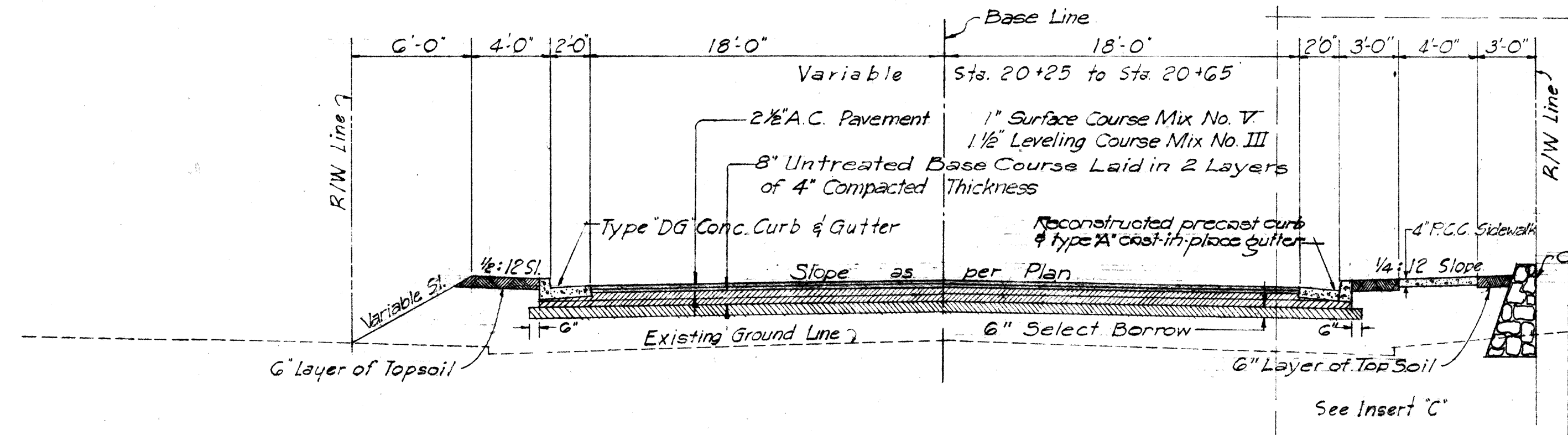
\$161.3

5

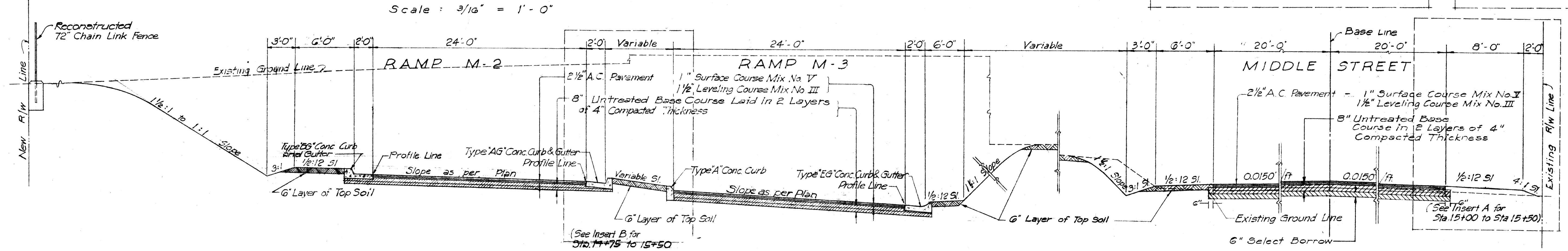
DD-I-8

DESIGNED BY	DATE
TRACED BY	1/27
QUANTITIES BY	1/27
CHECKED BY	
NO.	

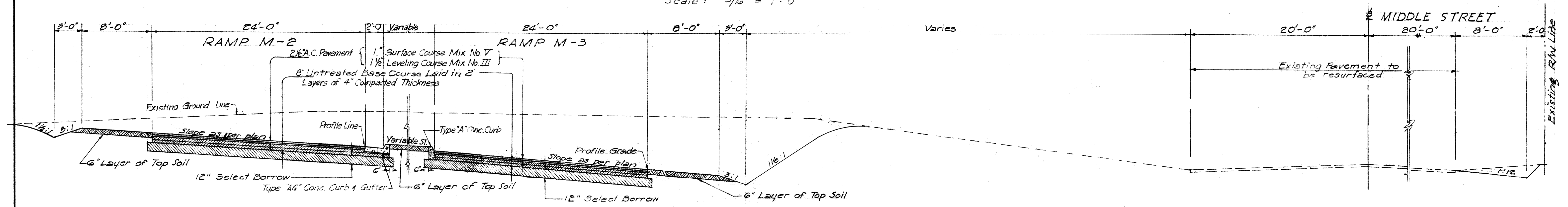
FED. ROAD DIST. No.	STATE	FED. AID PROJ. No.	FISCAL YEAR	SHEET No.	TOTAL SHEETS
HAWAII	HAW.	195070(3)	1960	5	79
		195070(2)	1960	5	115
		195070(1)	1960	5	115



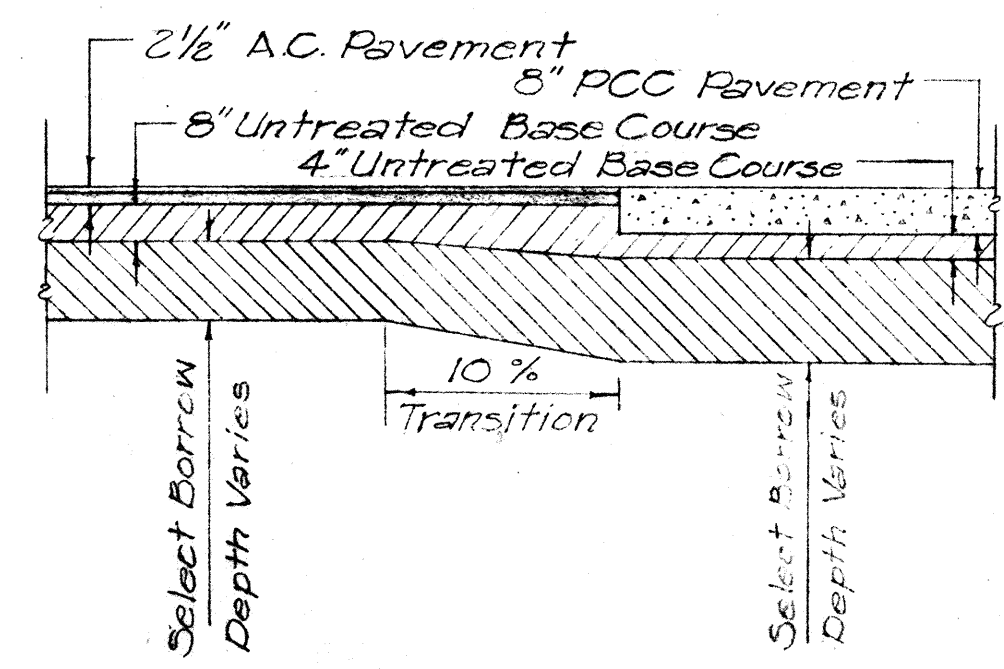
MIDDLE STREET TYPICAL SECTION ~ STA 20+25 TO STA 22+50
Scale : 3/16" = 1' - 0"



MIDDLE STREET TYPICAL SECTION ~ STA 14+00 TO STA 15+50
Scale : 3/16" = 1' - 0"



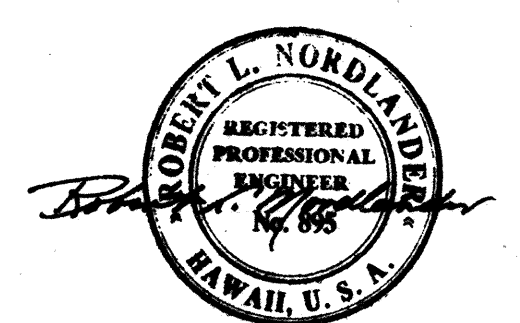
MIDDLE STREET TYPICAL SECTION ~ STA 11+25 TO STA 12+25
Scale : 3/16" = 1' - 0"



TYPICAL LONGITUDINAL SECTION
(NOT TO SCALE)

SELECT BORROW		
LOCATIONS	THICK.	LIMITS
Moanalua Rd.	12"	346+50 to 350+00
Freeway	12"	20+50 to 32+00
Middle St.	6"	14+00 to 22+50
Ramp M-1	12"	6+88 to 9+00
	12"	13+50 to 18+50
	12"	18+50 to 26+00
	12"	26+00 to 29+50
Ramp M-2	12"	0+00 to 6+00
	12"	25+00 to 30+58.22
Ramp M-3	12"	0+00 to 5+00
Ramp M-4	12"	0+17 to 4+82
	12"	4+82 to 8+89
King St.	12"	0+63.51 to 2+75
	12"	2+75 to 13+50
King St.	6"	0+63.51 to 16+00
	12"	13+50 to 19+20

Note: See "General Notes" on Sheet No. 2 of 4 Shts.



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HAWAII STATE HIGHWAY DEPARTMENT
STATE OF HAWAII

TYPICAL SECTIONS

MOANALUA ROAD US-9-0720(3) UNIT 3
MIDDLE STREET BU-065-1(1) UNIT 3
LUNALILO FREEWAY BU-072-1(2) UNIT 4

SHEET No. 3 DELETED
SHEET No. 4 OF 4 SHEETS

SURVEY PLOTTED BY	DATE
PLAN	1-57
TRACED BY	1-57
NOTE BOOK	
QUANTITIES CHECKED BY	
NO.	

8526.5 8174.5 8161.5 7