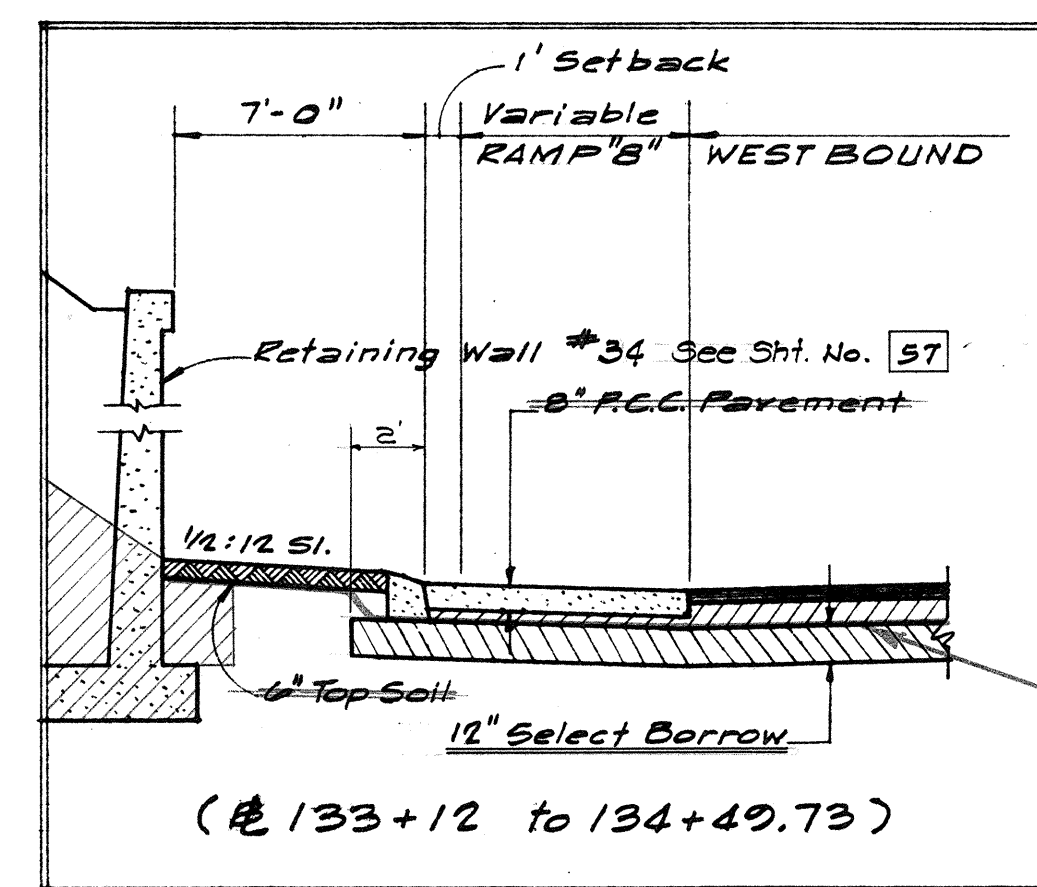
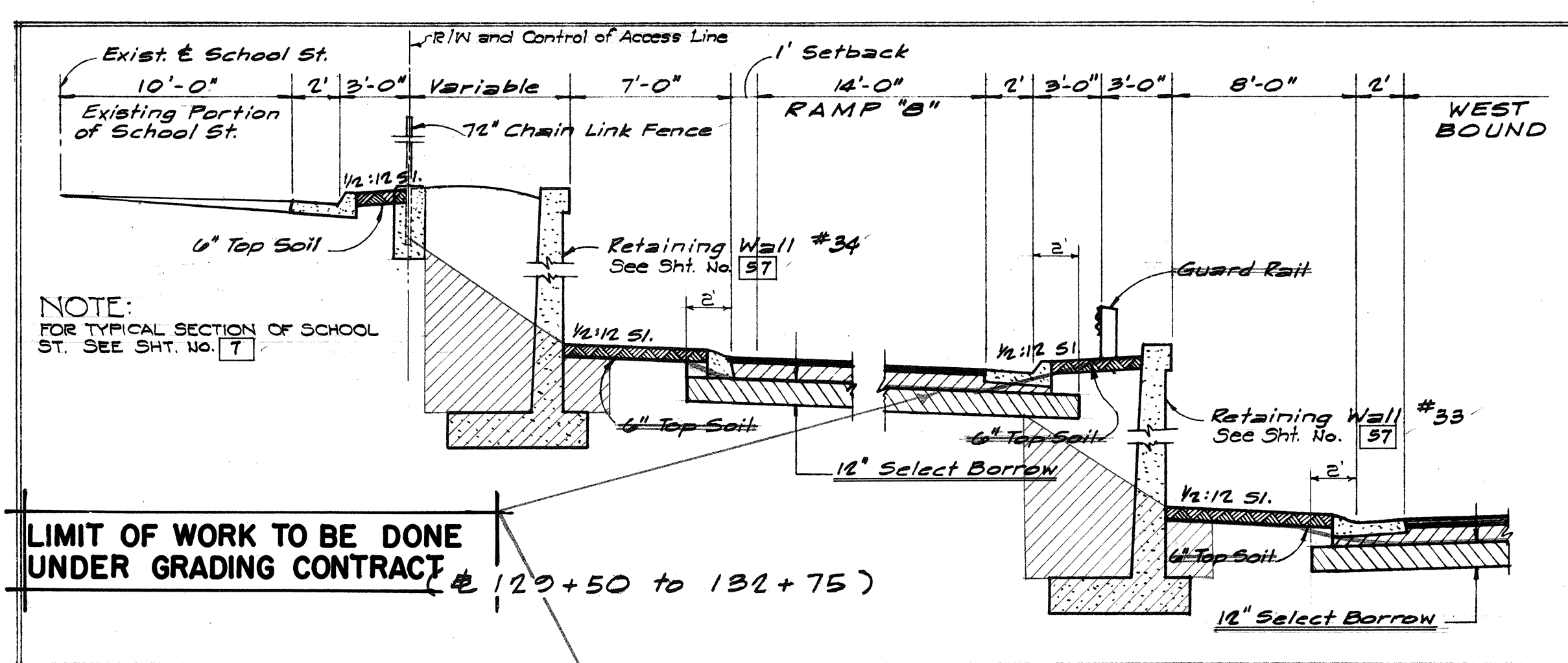
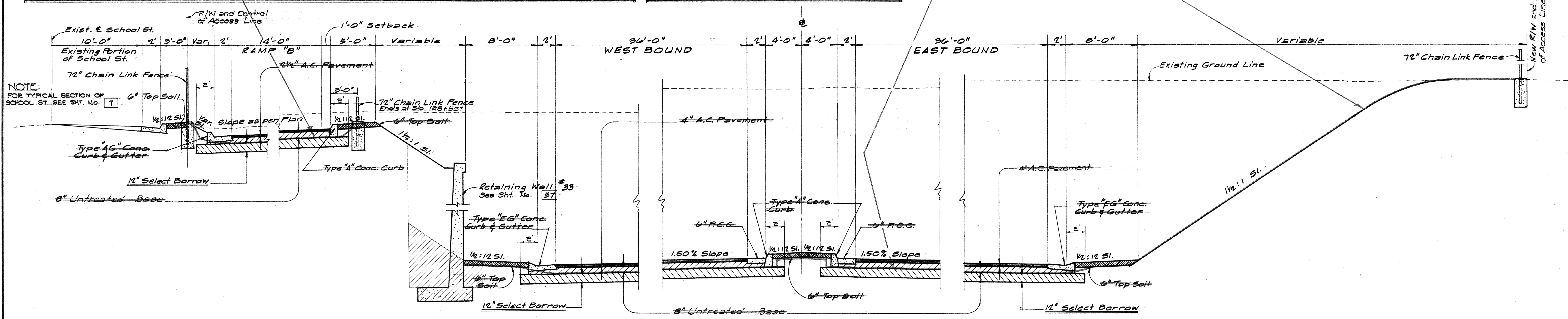


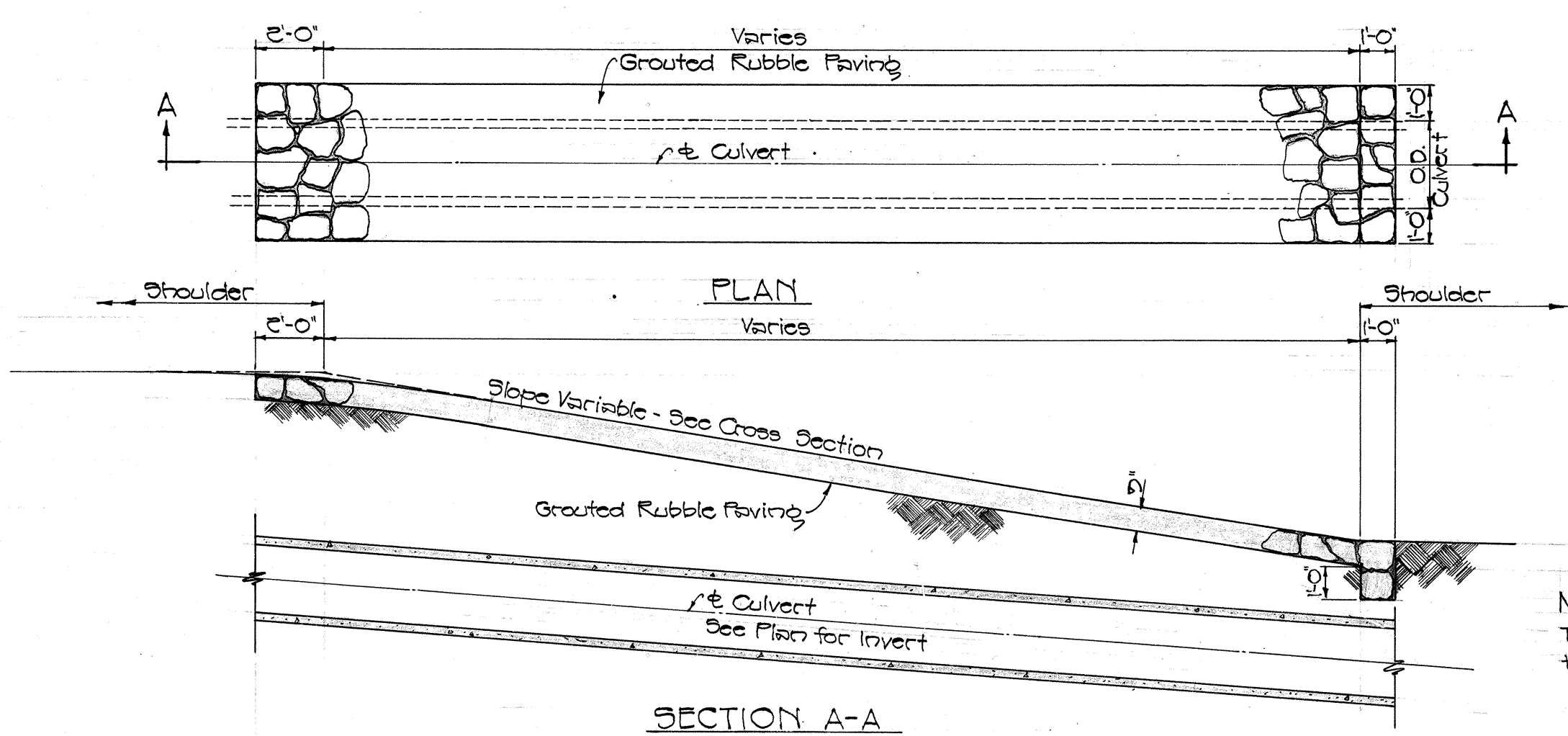


NOTE: ALL WORK ABOVE THE SOLID DARK LINE (A.C. PAV'T, BASE COURSE, CURBS, GUTTERS, TOP SOIL & SODDING) WILL BE DONE UNDER A SEPARATE CONTRACT.



TYPICAL SECTION
(@ 127 + 17.95 to 134 + 40.73)
Scale: 3/16" = 1'-0"

- ## GENERAL NOTES
1. Asphalt Concrete Pavement shall consist of 1" Surface Course Mix No. IX and 1 1/2" Leveling Course, Mix No. III, unless otherwise noted.
 2. 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.
 3. Portland Cement Concrete Pavement shall be Class "A-1" Concrete and reinforced with 6x6-% Wire Mesh. No longitudinal contact joints are permitted. Pavement shall be paved full width. "Weakened Plane Joints" shall be installed approximately 30 feet on centers. No expansion joints are required.
 4. Irregularities of existing pavement shall be leveled with Asphalt Concrete Mix No. III, before laying Surface Course Mix X, of thickness shown or as directed by the Engineer. Where Base Course is to be laid over existing pavement, such pavement shall be removed and subgrade relined prior to placing Base Course. Base Course shall be laid in two layers of 4" compacted thickness each, unless otherwise noted.
 5. Type "A", "B", and "C" Concrete Curb and Type "A/G" Concrete Curb and Gutter shall be as shown on the Standard Details, except that recess shall be omitted.
 6. Excavation of Areas shown cross-hatched in these Typical Sections shall be paid for under the item of "Structure Excavation other than at Bridges".
 7. Exposed surfaces of all Concrete Gutters shall be steel-troweled.
 8. EXCAVATION: All Excavation shall be Class "A" Excavation.
 9. Type "B" and "C" concrete curbs called for on plans are identical to Type "A" concrete curb. (See Note 5 above)
 10. Type "CG" concrete curb and gutter called for on plans is identical to Type "AG" concrete curb and gutter. (See Note 5 above)



LOCATION OF GROUTED RUBBLE PAVING		ESTIMATED QUANTITIES
MH*2L TO CB*2L		5.7 c.y.
MH*3L TO CB*7L		5.2 c.y.
CB*7L TO CB*GL		2.8 c.y.
MH*7L TO CB*10L		19.1 c.y.
CB*11L TO CB*GN		5.4 c.y.
CB*GL TO MH*5L		7.7 c.y.
CB*17L TO CB*17L		3.8 c.y.
CB*17L TO CB*20L		2.8 c.y.
TOTAL ESTIMATED QUANTITIES		52.0 c.y.

Note:
Transverse slope of G.R.P
to follow cut slope.

TYPICAL DETAIL OF GROUTED RUBBLE PAVING OVER CULVERT
Scale: 1/4" = 1'-0"

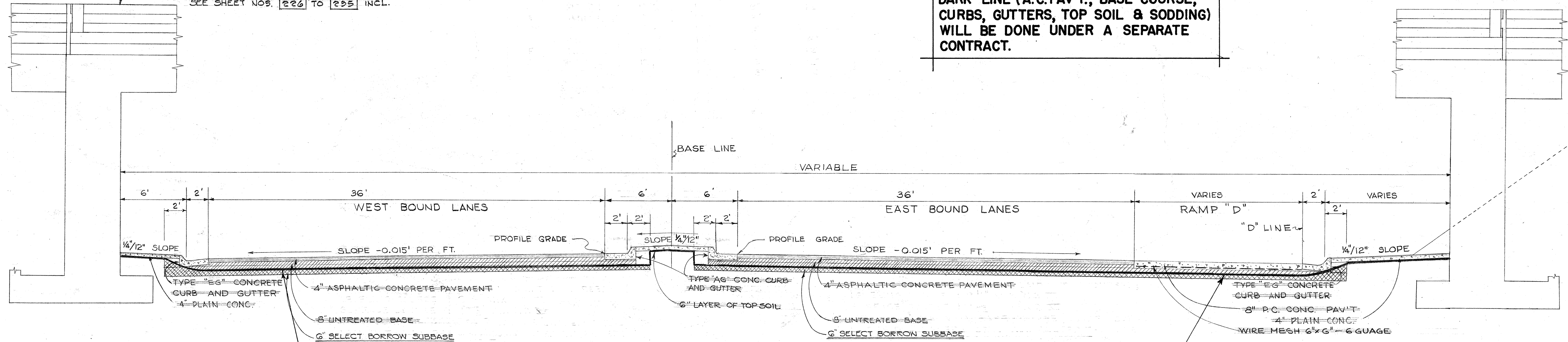
BELT, COLLINS & ASSOC., LTD.
Civil and Structural Engineers

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
LUNALILO FREEWAY
PROJECT NO. F-072-1 (1) UNIT 3
TYPICAL SECTIONS

Scale: As noted **SEPTEMBER 1957**

NOTE: ALL WORK ABOVE THE SOLID DARK LINE (A.C. PAV'T., BASE COURSE, CURBS, GUTTERS, TOP SOIL & SODDING) WILL BE DONE UNDER A SEPARATE CONTRACT.

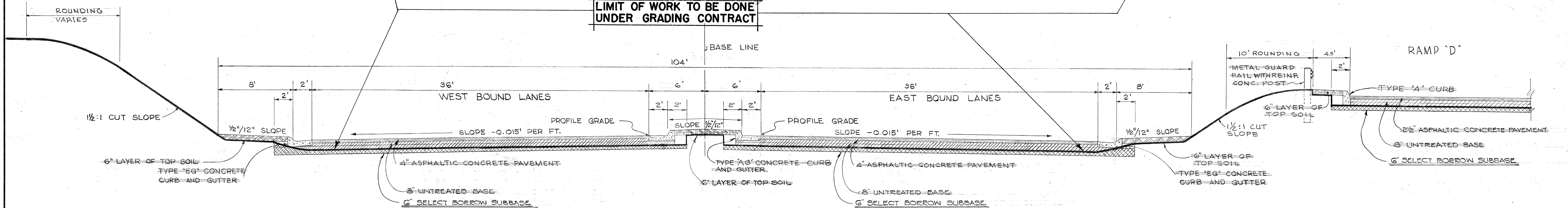
STRUCTURE NO. 11
GRADE SEPARATION AT NUUANU AVE.
SEE SHEET NOS. 226 TO 225 INCL.



TYPICAL SECTION - STATION 135+75± TO 136+75±

SCALE: 1" = 5'

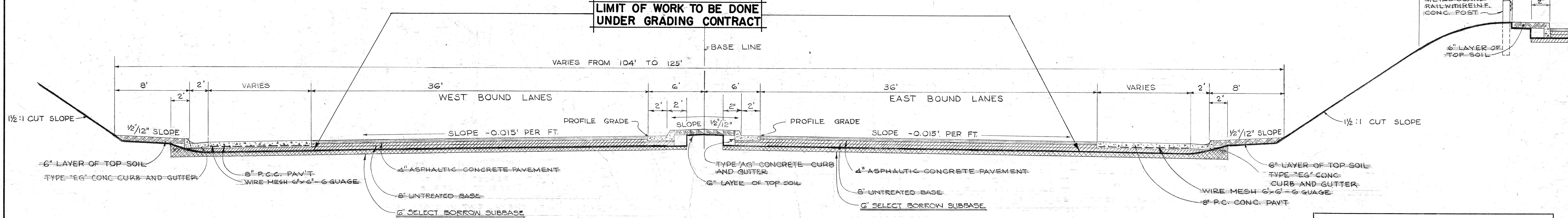
LIMIT OF WORK TO BE DONE
UNDER GRADING CONTRACT



TYPICAL SECTION - STATION 138+00± TO 142+00±

SCALE: 1" = 5'

LIMIT OF WORK TO BE DONE
UNDER GRADING CONTRACT



TYPICAL SECTION - STATION 142+00± TO STATION 143+50±

SCALE: 1" = 5'

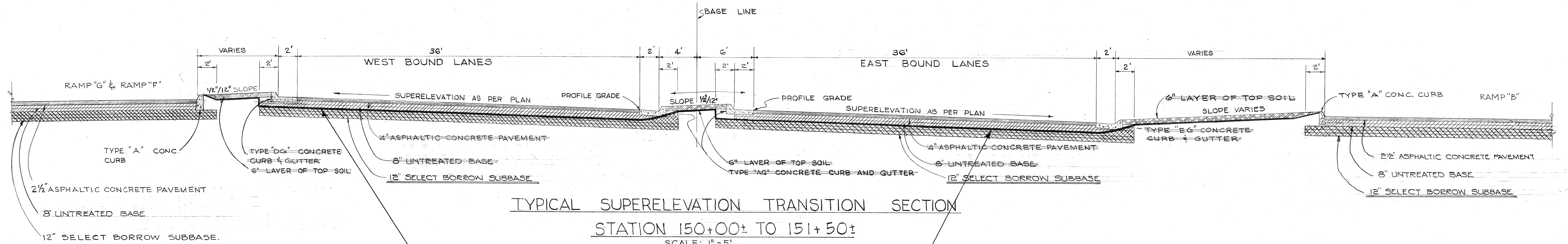
NOTE:
FROM STA. 135+00 TO STA. 144+50
6" SELECT BORROW SUBBASE

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ARCHITECTS • ENGINEERS • SURVEYORS
McNorton
REGISTERED ENGINEER No. 584
DATE July 2, 1957

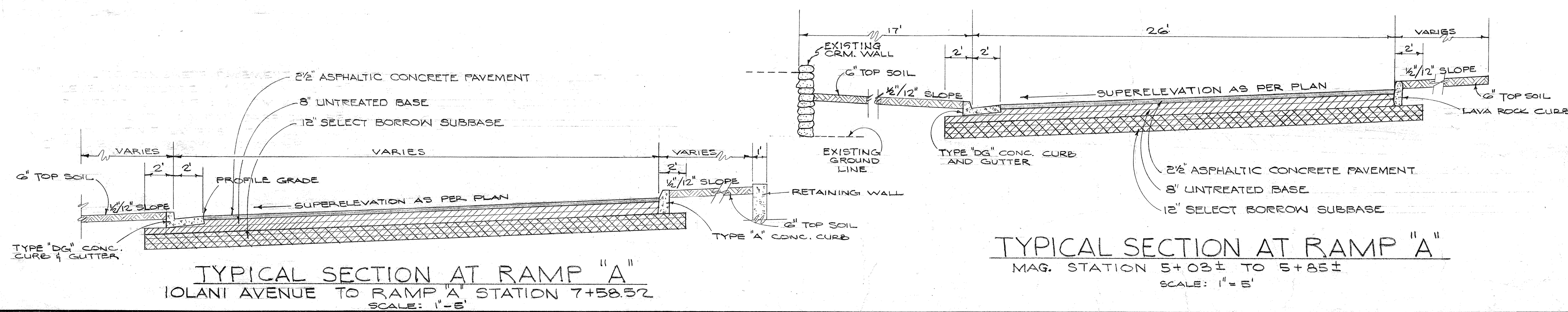
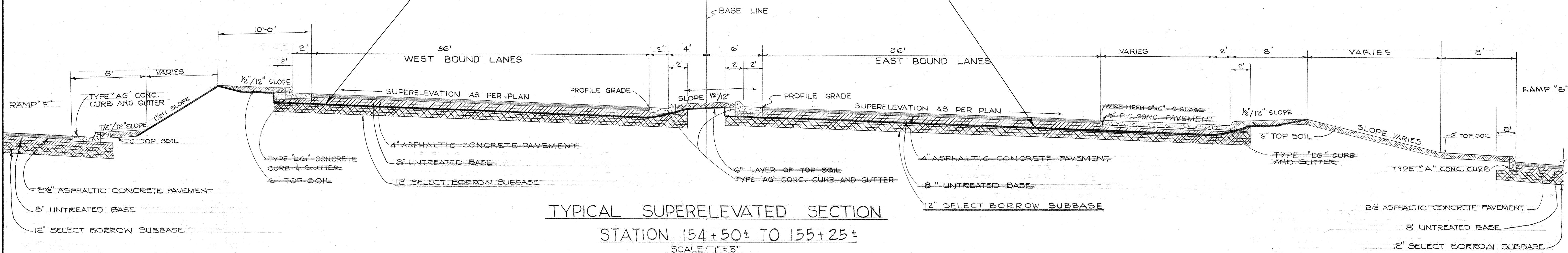
TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
LUNALILO FREEWAY
PROJECT NO. F-072-1 (1), UNIT 3
TYPICAL SECTIONS
Scale: As noted Sept. 1957

DATE 7/2/57
SURVEY PLOTTED BY J.C.
DRAWN BY J.C.
TRACED BY J.C.
NOTE BOOK NO. 57
QUANTITIES CHECKED BY J.C.
CHECKED BY J.C.

NOTE: ALL WORK ABOVE THE SOLID DARK LINE (A.C. PAV'T, BASE COURSE, CURBS, GUTTERS, TOP SOIL & SODDING) WILL BE DONE UNDER A SEPARATE CONTRACT.



LIMIT OF WORK TO BE DONE UNDER GRADING CONTRACT.



TYPICAL SECTION AT RAMP "A"
IOLANI AVENUE TO RAMP "A" STATION 7+58.52
SCALE: 1" = 5'

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DATE July 2, 1957

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
LUNALILO FREEWAY
PROJECT NO. F-072-1 (1), UNIT 3
TYPICAL SECTIONS

Scale: As noted Sept. 1957

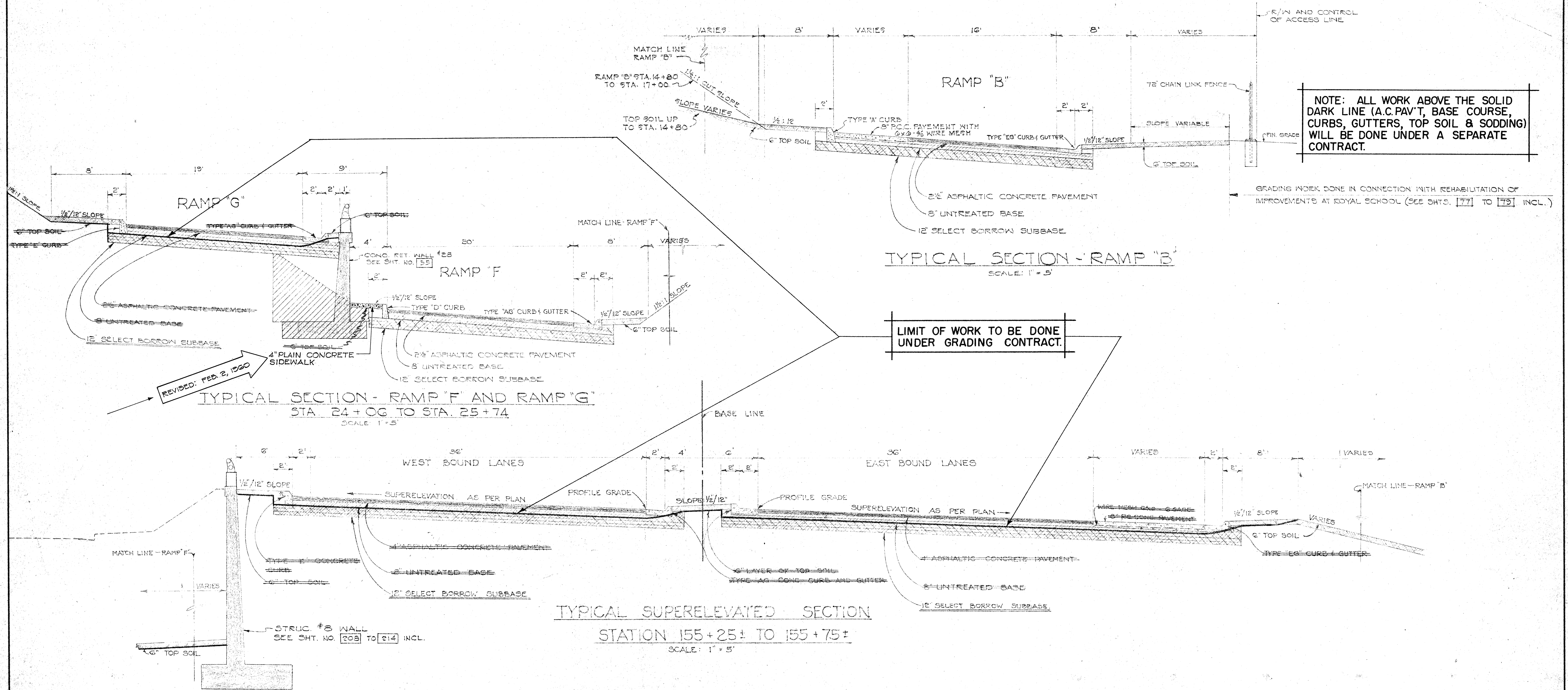
SHEET NO. 3 OF 5 SHEETS

8173 (1).4 5

DESIGNED BY DATE 8/23/56
DRAWN BY J.C.
CHECKED BY
QUANTITIES CHECKED BY C.Y.
NOTE BOOK No.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	F072-1(1)	1958	5	143

UNIT 3



SURVEY PLOTTED BY	DATE
DESIGNED BY	
TRACED BY	
QUANTITIES CHECKED BY	
NOTE BOOK NO.	

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII

LUNALILO FREEWAY
PROJECT NO. F-072-1(1), UNIT 3
TYPICAL SECTIONS

SCALE: AS NOTED

JULY 1958

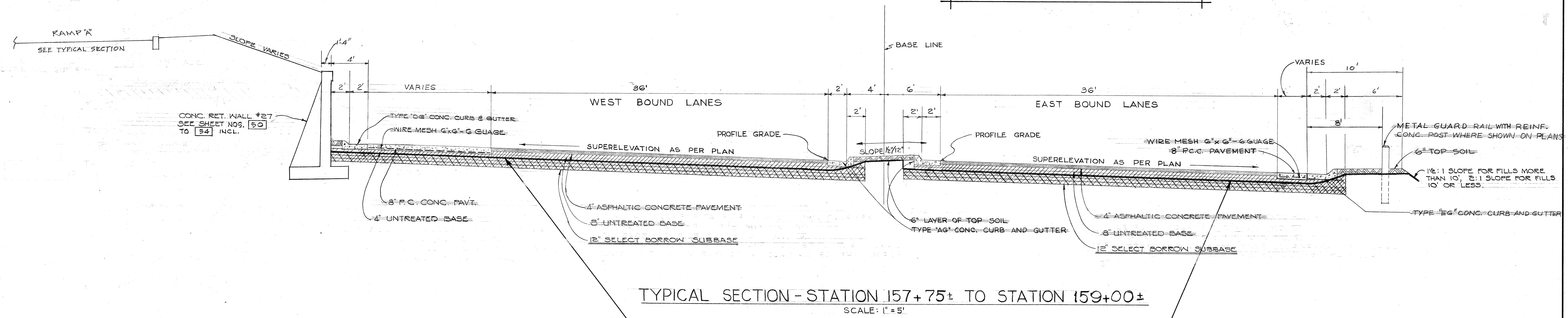
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(REVISED TRACING - FEB. 2, 1960)

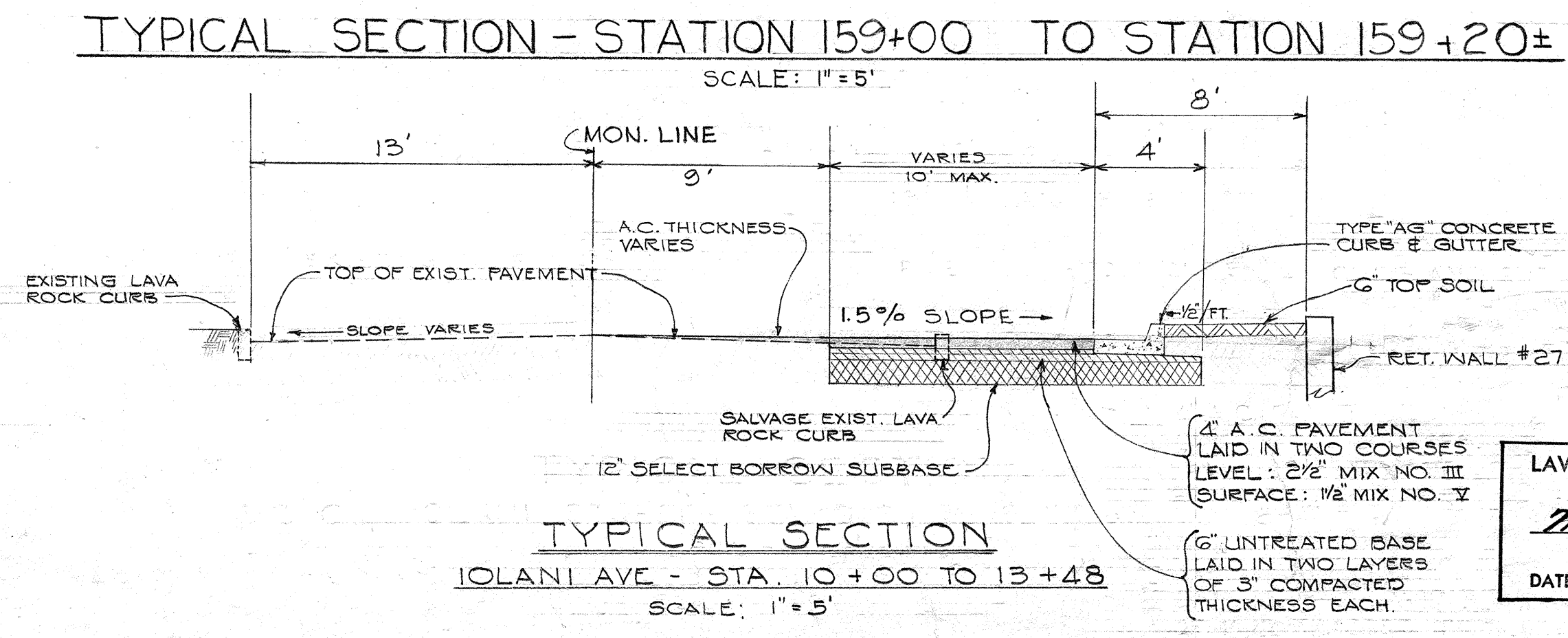
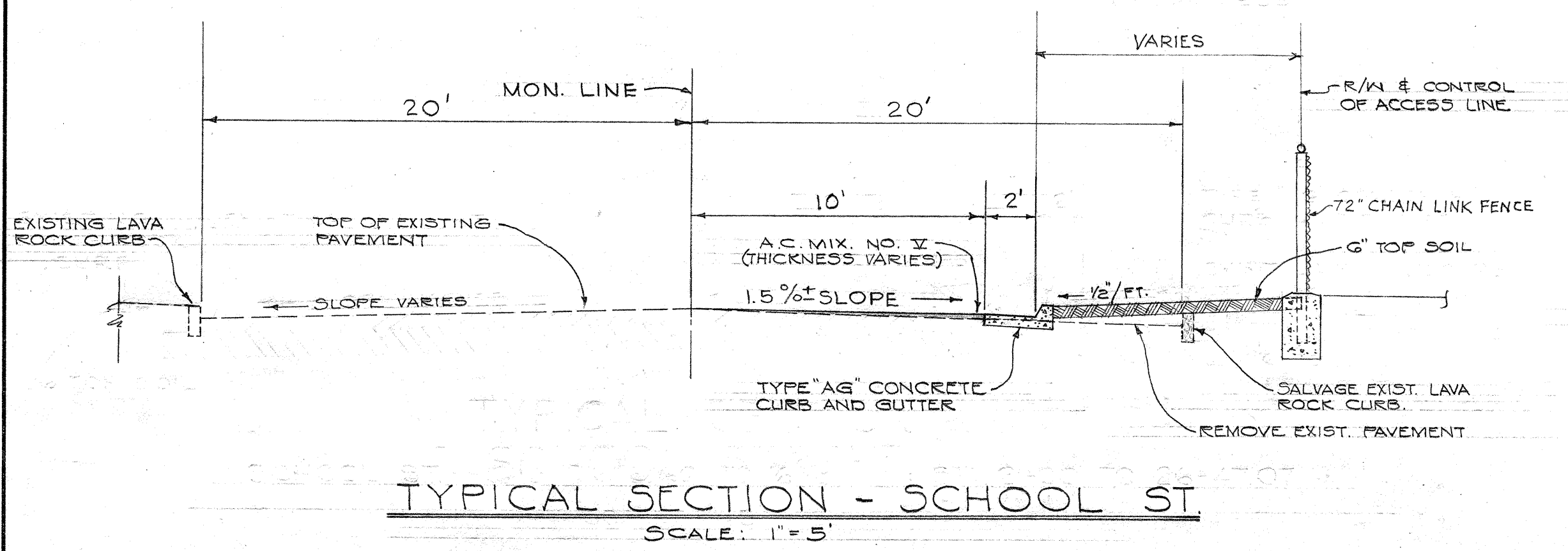
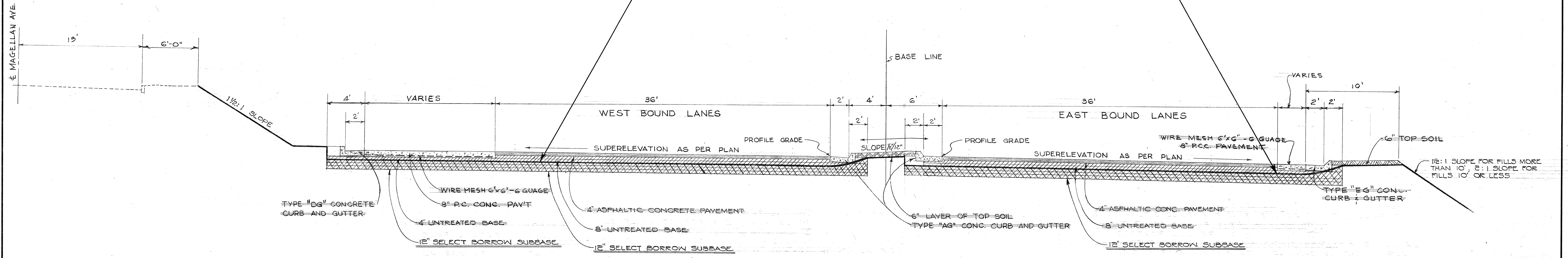
8173 (1).5

6

NOTE: ALL WORK ABOVE THE SOLID DARK LINE (A.C. PAV'T., BASE COURSE, CURBS, GUTTERS, TOP SOIL & SODDING) SHALL BE DONE UNDER A SEPARATE CONTRACT.



LIMIT OF WORK TO BE DONE UNDER GRADING CONTRACT



LAW & WILSON • TUDOR • TOWILL
ARCHITECTS • ENGINEERS • SURVEYORS
REGISTERED ENGINEER No. 584
DATE July 2, 1957

TERRITORIAL HIGHWAY DEPARTMENT
TERRITORY OF HAWAII
LUNALILO FREEWAY
PROJECT NO. F-072-1(1), UNIT 5
TYPICAL SECTIONS
Scale: As noted Sept. 1957

SHEET NO. 5 OF 5 SHEETS