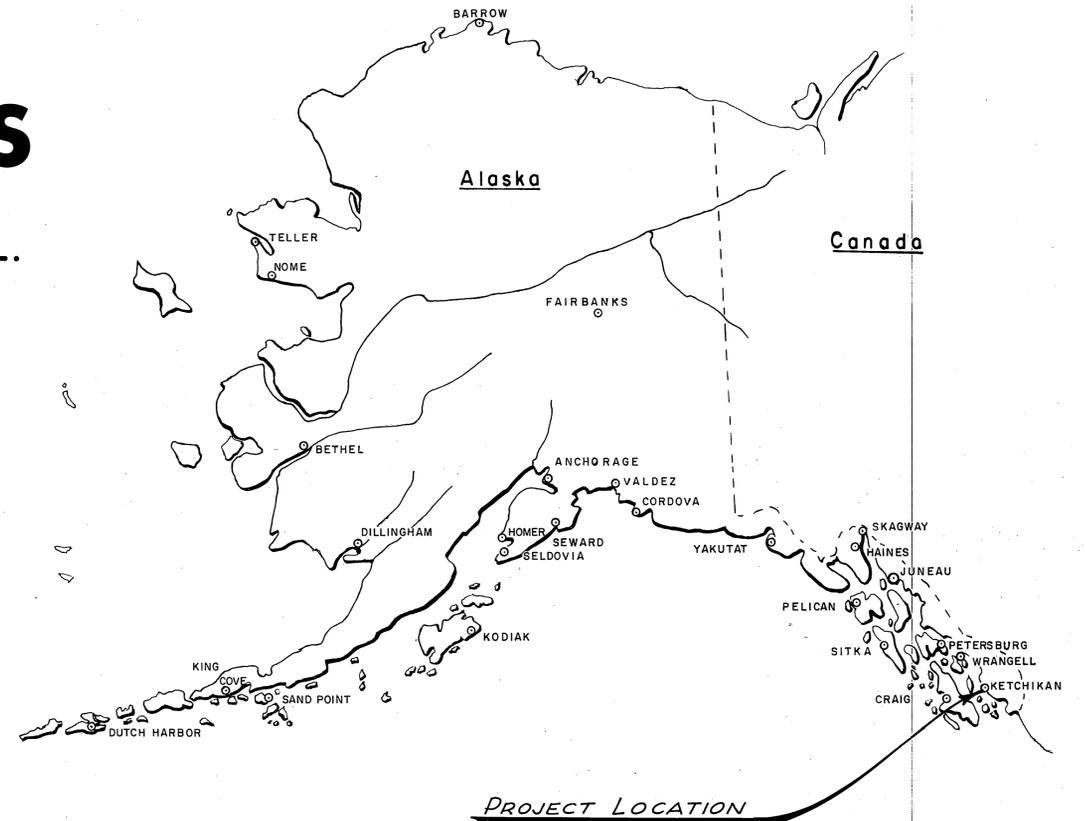
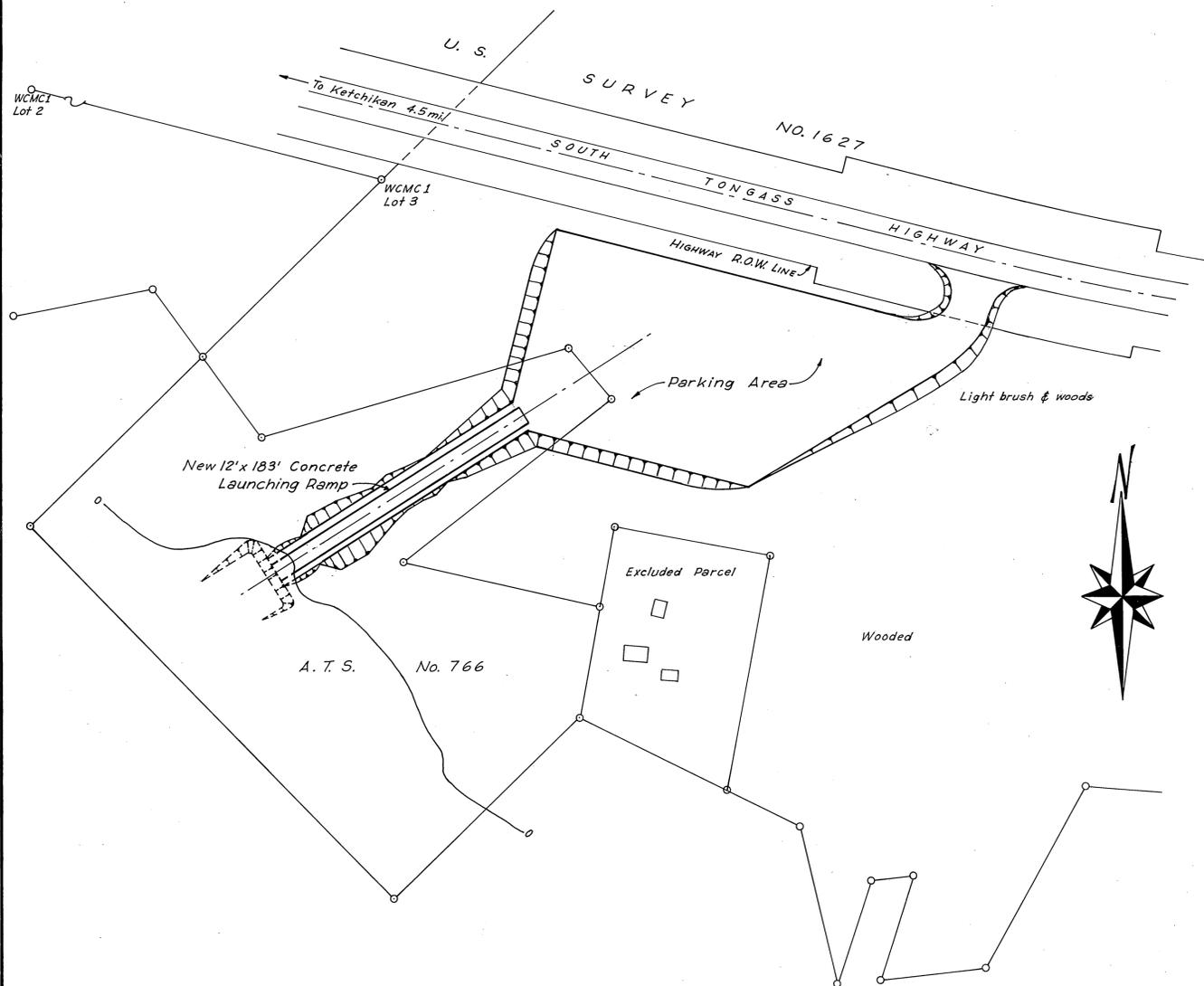


STATE OF ALASKA
DEPARTMENT OF PUBLIC WORKS
DIVISION OF WATER & HARBORS

KETCHIKAN-SOUTH TONGASS LAUNCHING RAMP
PROJECT NO. 5-69188

AS BUILT



PROJECT LOCATION

WORK SUMMARY

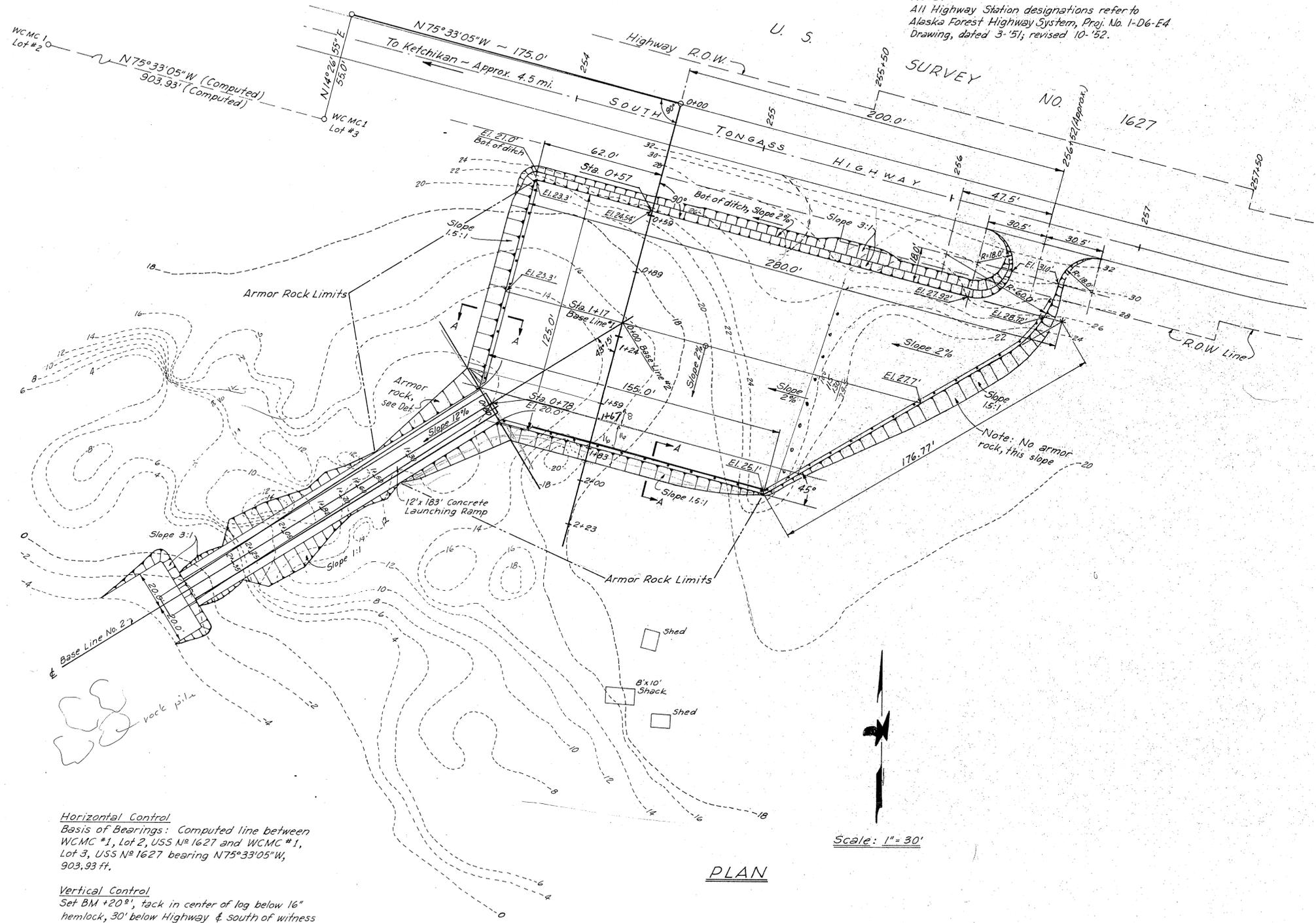
Major units consist of construction of a 12'x183' concrete launching ramp and a 0.625 acre parking lot, including clearing and grubbing (1/3 acre), common excavation (40 cu.yd.), rock excavation (250 cu.yd.), fill placement (5745 cu.yd.), armor rock placement (220 cu.yd.), and guardrail installation (424.5 L.F.)

INDEX TO SHEETS

- SHEET 1... TITLE & LOCATION
- SHEET 2... PLAN & DETAILS
- SHEET 3... LAUNCHING RAMP - PROFILE, X-SECTIONS & DETAILS
- SHEET 4... PARKING AREA - PROFILE AND X-SECTIONS

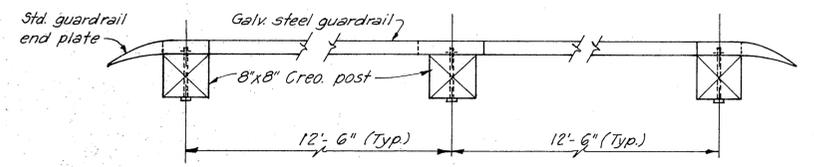
DATE <u>1-2-69</u>	APPROVED COMMISSIONER
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NOTE:
 All Highway Station designations refer to
 Alaska Forest Highway System, Proj. No. 1-D6-E4
 Drawing, dated 3-'51; revised 10-'52.

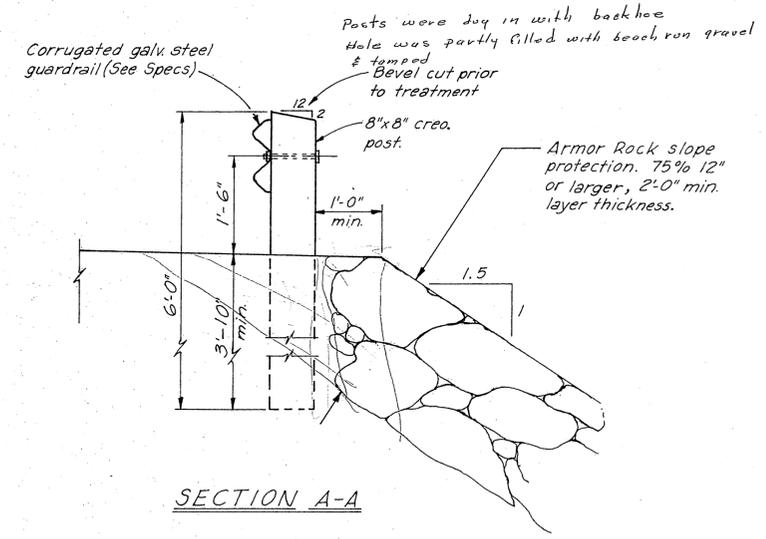


PLAN

Scale: 1" = 30'



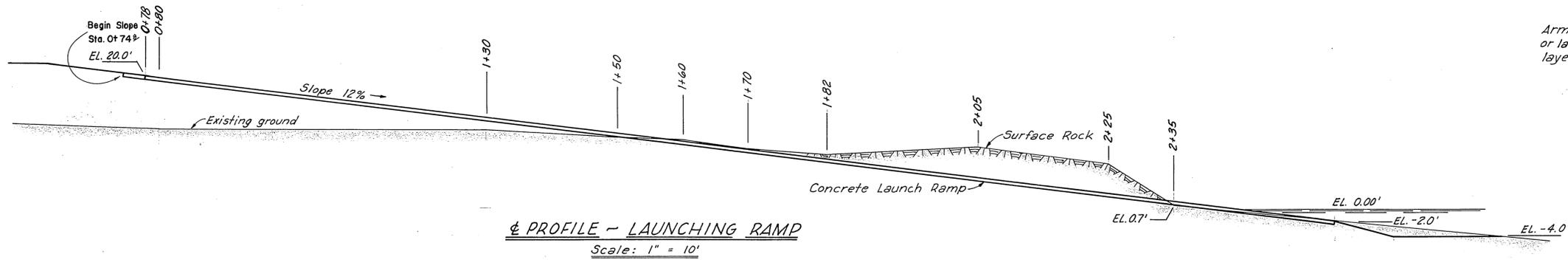
PLAN



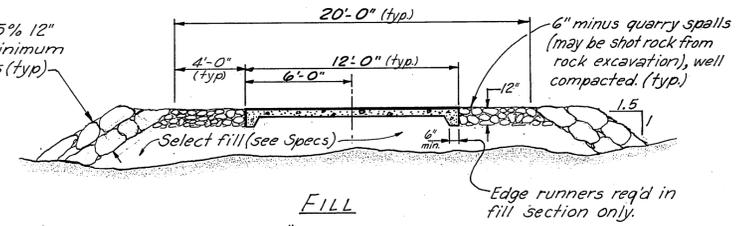
GUARDRAIL DETAILS
 Scale: 3/4" = 1'-0"

HW 6-13-67

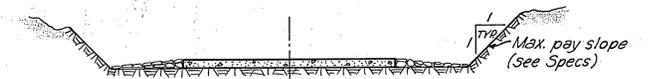
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
LAUNCH RAMP & PARKING AREA PLAN & MISC. DETAILS	
SCALE As noted	APPROVED Don Statter DIRECTOR
DATE Dec. 1968	
PROJ. NO. 5-69188	
SURVEYED BY	DRAWN BY JET CHECKED BY



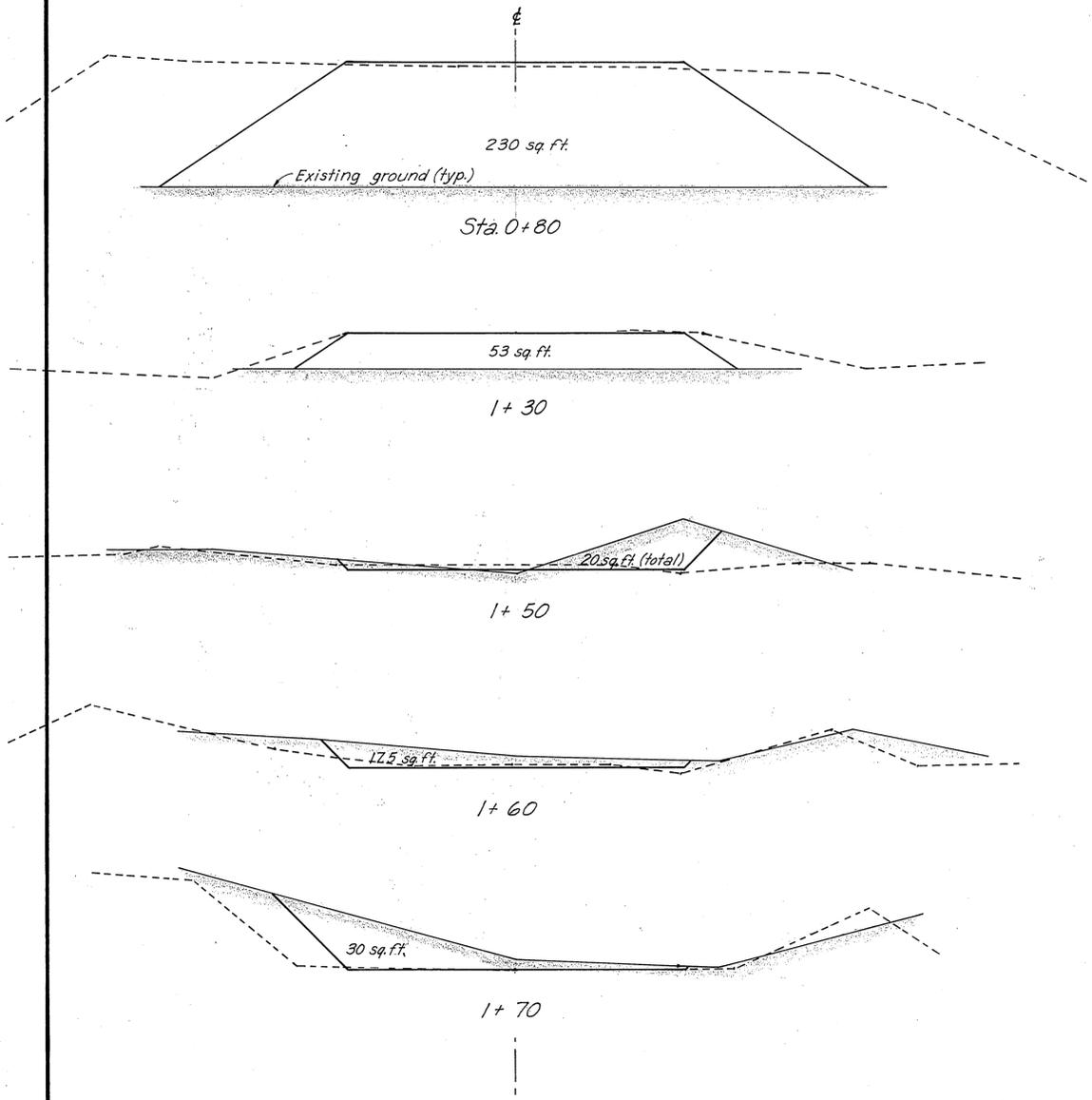
PROFILE - LAUNCHING RAMP
Scale: 1" = 10'



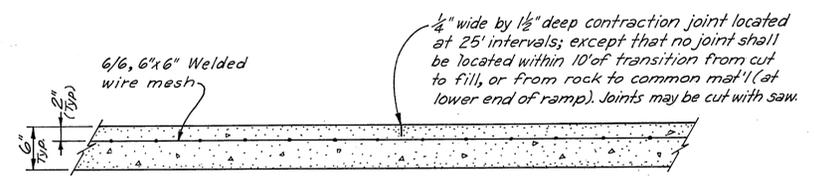
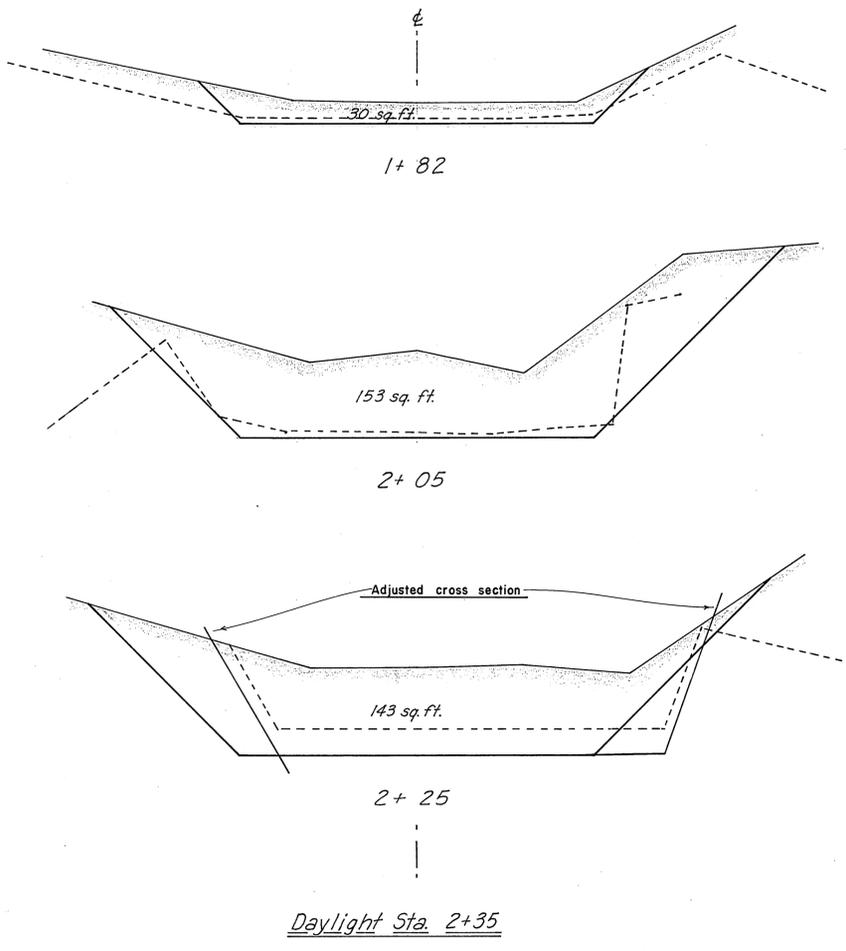
FILL
Fill is quarry run pit rock up to 18" from final grade. 1' of quarry rock smaller size. Top 6" select material.
Additional 4" slab was poured on top of designed slab due to poor surface qualities on first pour.



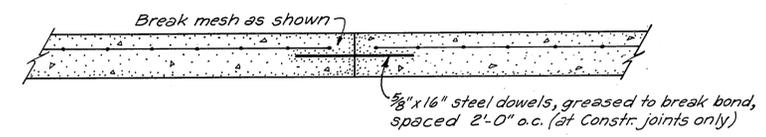
CUT
TYPICAL SECTIONS LAUNCHING RAMP
Scale: 1" = 5'



CROSS SECTIONS - LAUNCHING RAMP
Scale: 1" = 5'



CONTRACTION JOINT
Scale: 1" = 1'-0"

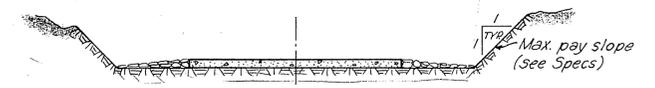
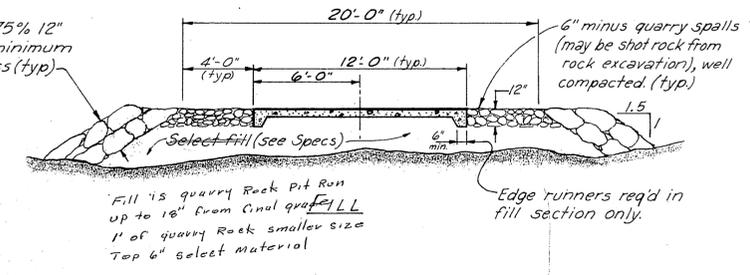
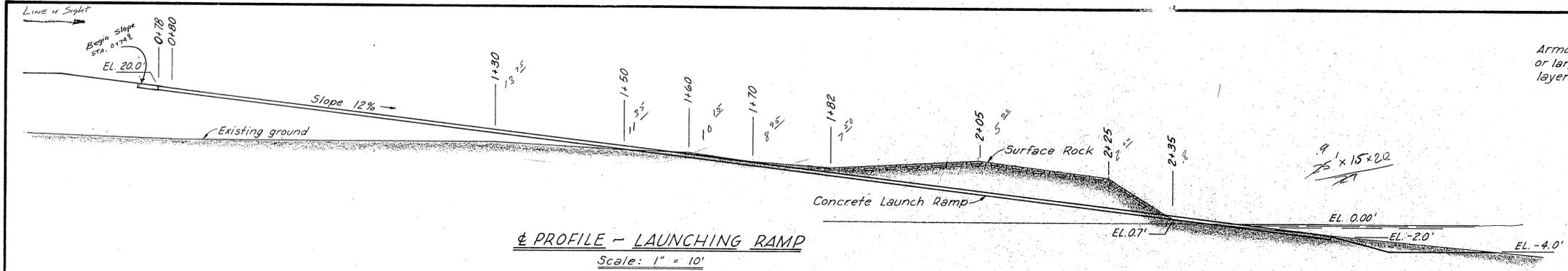


Note: Concrete shall consist of a 6 1/2 sack, Class 'A' mix of the approx. proportions listed in the specs. and approved by the Engineer. Construction joints shall be at 50' min. intervals, and shall be located so as to coincide with contraction joints.

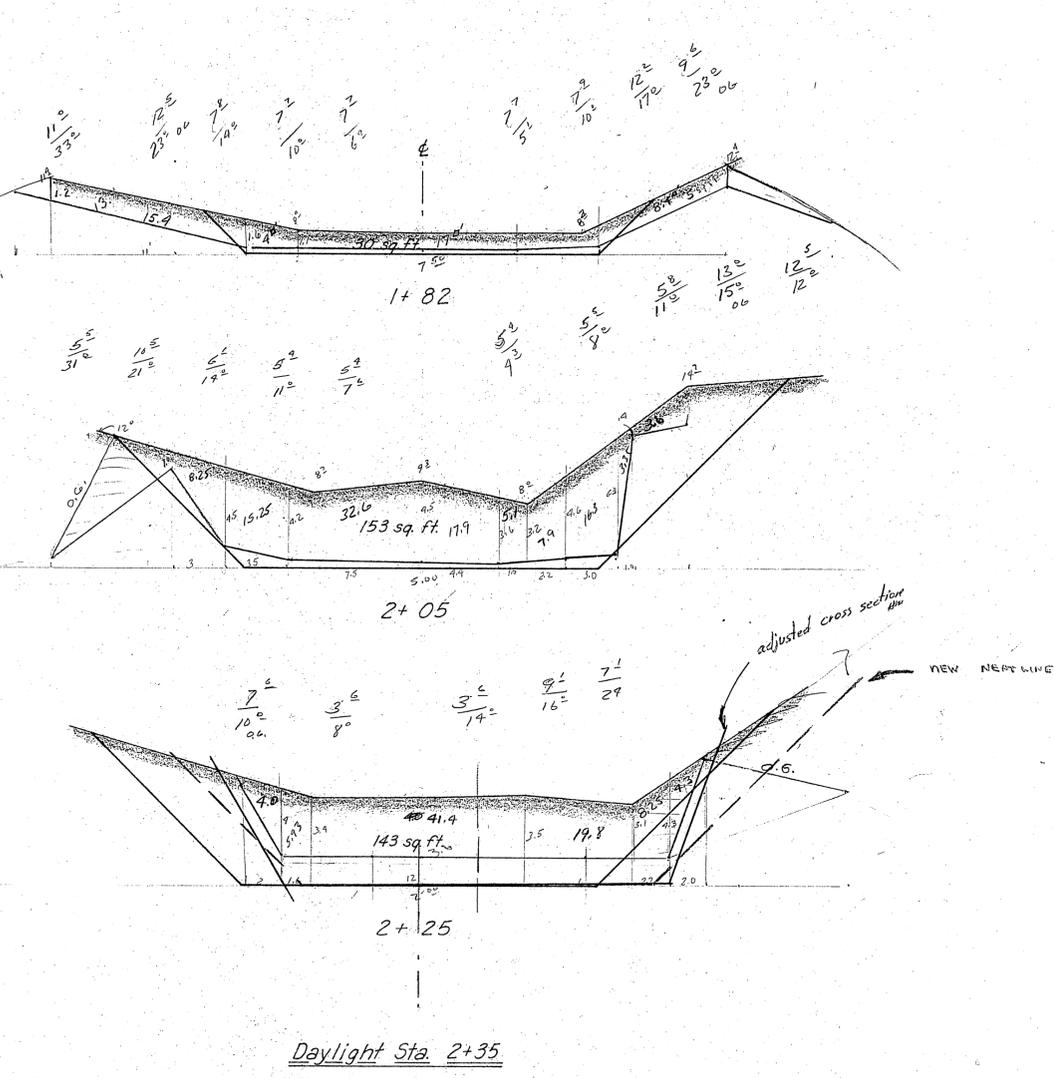
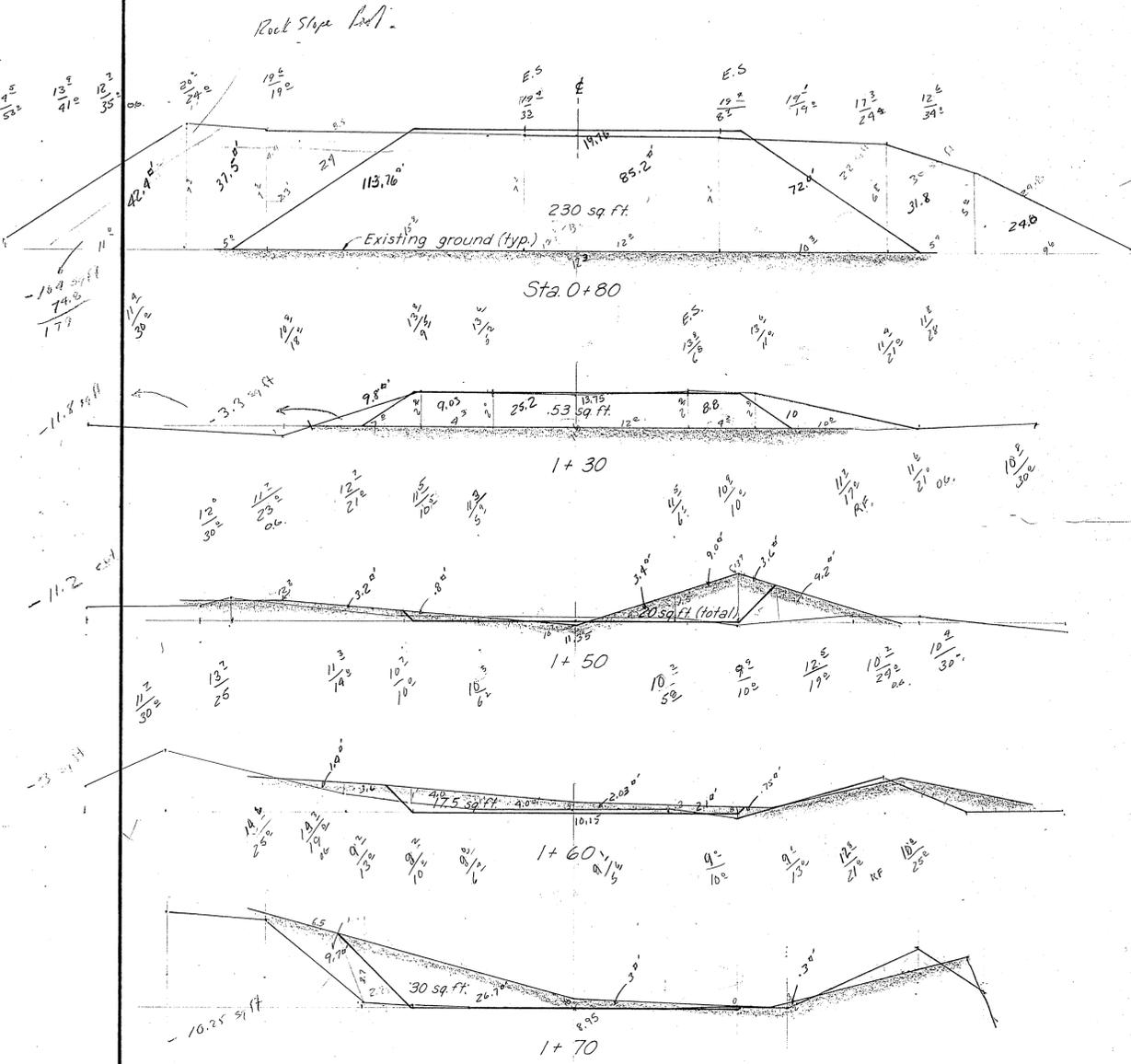
CONSTRUCTION JOINT
Scale: 1" = 1'-0"

Broken lines indicate final cross section lines.

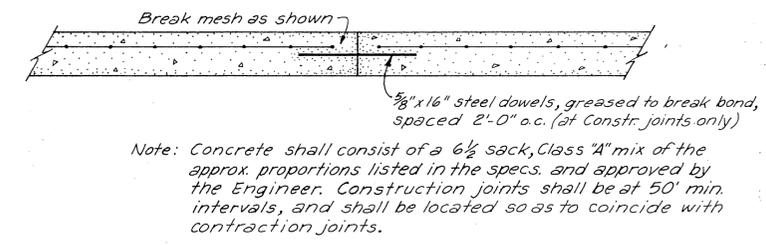
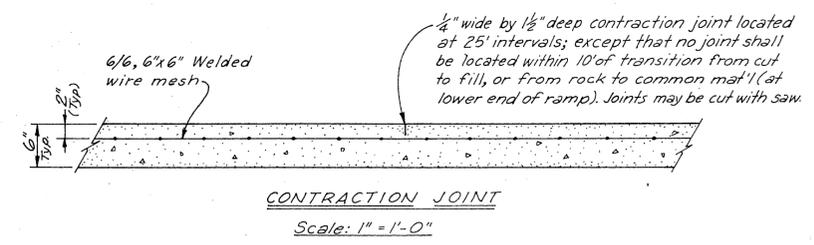
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
LAUNCHING RAMP X-SECTIONS & MISC. DETAILS	
SCALE <i>As noted</i>	APPROVED <i>Don Statter</i> DIRECTOR
DATE <i>Dec. 1968</i>	DRAWN BY <i>JET</i> CHECKED BY
PROJ. NO. <i>5-69188</i>	
SURVEYED BY	



TYPICAL SECTIONS LAUNCHING RAMP
Scale: 1" = 5'



CROSS SECTIONS - LAUNCHING RAMP
Scale: 1" = 5'



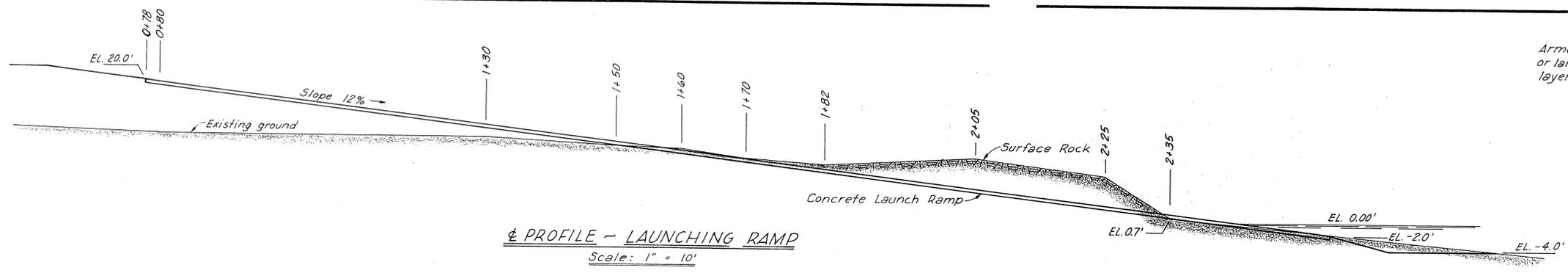
RED LINE - As built 6-13-69

354
2978
11 = 523/5
27.6
8x8x7/8 L
12/21 6-13-67

RF = Rock Fill
O.G. = Orig. Ground

Shots Taken Looking down Ramp

STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
LAUNCHING RAMP X-SECTIONS & MISC. DETAILS	
SCALE As noted	APPROVED <u>Don Statter</u> DIRECTOR
DATE <u>Dec. 1968</u>	
PROJ. NO. <u>5-69/88</u>	
SURVEYED BY	DRAWN BY <u>JET</u> CHECKED BY



Armor rock, 75% 12" or larger, 2" minimum layer thickness (typ.)

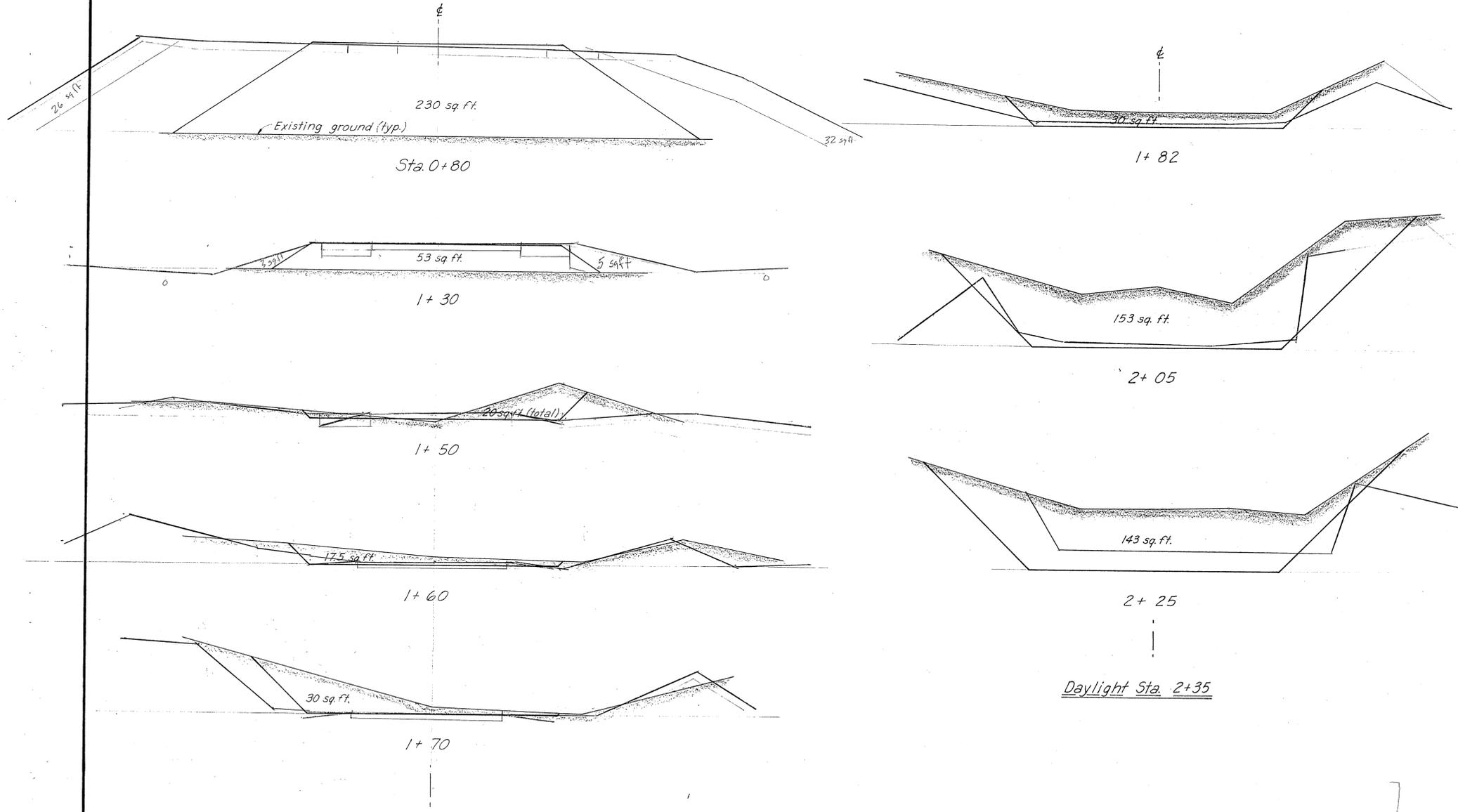
4'-0" (typ) 12'-0" (typ) 6" minus quarry spalls (may be shot rock from rock excavation), well compacted. (typ.)

Select fill (see Specs)

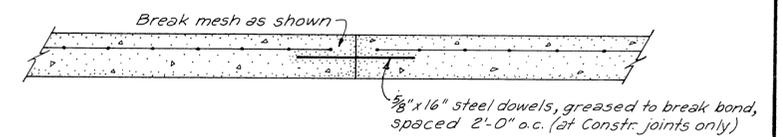
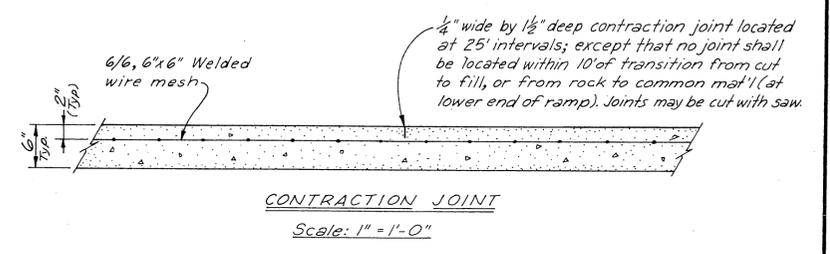
Fill is quarry rock Pit Run FILL up to 18" from final grade 1' of quarry rock smaller size Top 6" select material

Edge runners req'd in fill section only.

Additional 4" slab was poured on top of designed slab due to poor surface qualities on first pour. Project completed 8/22/69



TYPICAL SECTIONS LAUNCHING RAMP
Scale: 1" = 5'



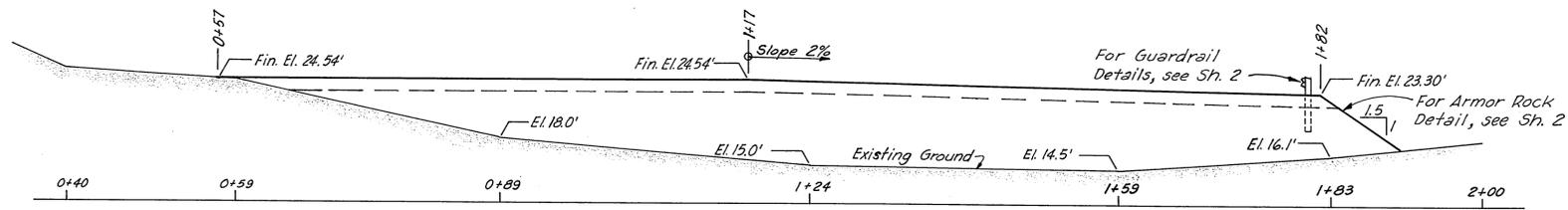
Note: Concrete shall consist of a 6 1/2 sack, Class "A" mix of the approx. proportions listed in the specs. and approved by the Engineer. Construction joints shall be at 50' min. intervals, and shall be located so as to coincide with contraction joints.

Red Line indicates Final cross section lines 6/13/69

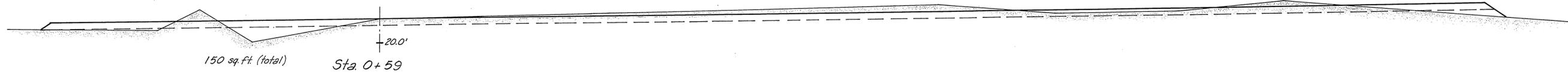
Added 4" slab on top of original 6" slab, 6/13/69

Original ground shots found in Book #36

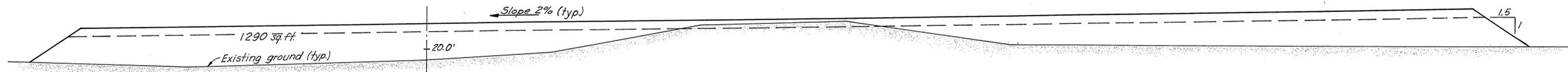
STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
LAUNCHING RAMP X-SECTIONS & MISC. DETAILS	
SCALE <i>As noted</i>	APPROVED <i>Don Statter</i> DIRECTOR
DATE <i>Dec 1968</i>	CHECKED BY
PROJ. NO. <i>5-69188</i>	DRAWN BY <i>JET</i>
Sheet 3 of 4	



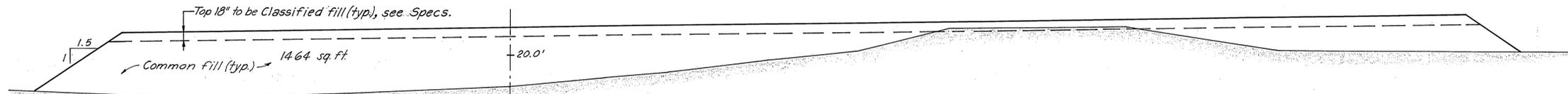
PROFILE - BASE LINE N^o 1
Scale: 1" = 10'



Sta. 0+59

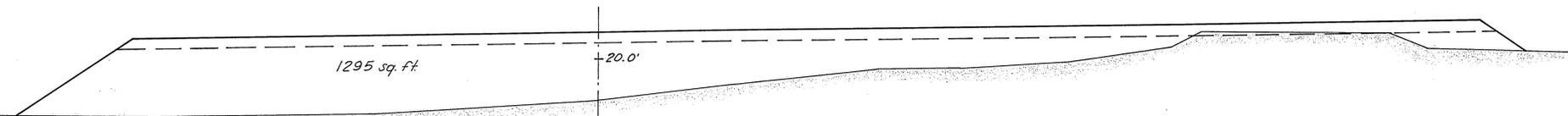


Sta. 0+89

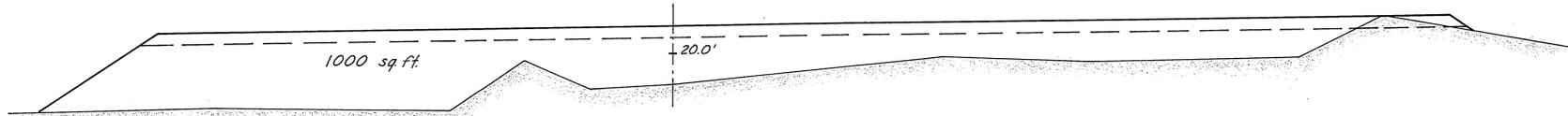


Sta. 1+24

NOTE:
Excavate to 18" below finish grade at all locations
where existing material does not meet specifications
for classified fill.



Sta. 1+59



Sta. 1+83

CROSS SECTIONS
Scale: 1" = 10'

STATE OF ALASKA DEPARTMENT OF PUBLIC WORKS DIVISION OF WATER AND HARBORS	
PARKING AREA PROFILE & X-SECTIONS	
SCALE: <i>As noted</i>	APPROVED: <i>Don Statter</i> DIRECTOR
DATE: <i>Dec. 1968</i>	PROJ. NO. <i>5-69188</i>
DRAWN BY: <i>JET</i>	CHECKED BY: <i>JET</i>