

DATE	BY	REVISION
		1. SURVEYED
		2. PLOTTED
		3. ALIGNED
		4. CHECKED
		5. IN CHARGE
		6. APPROVED
		7. DATE

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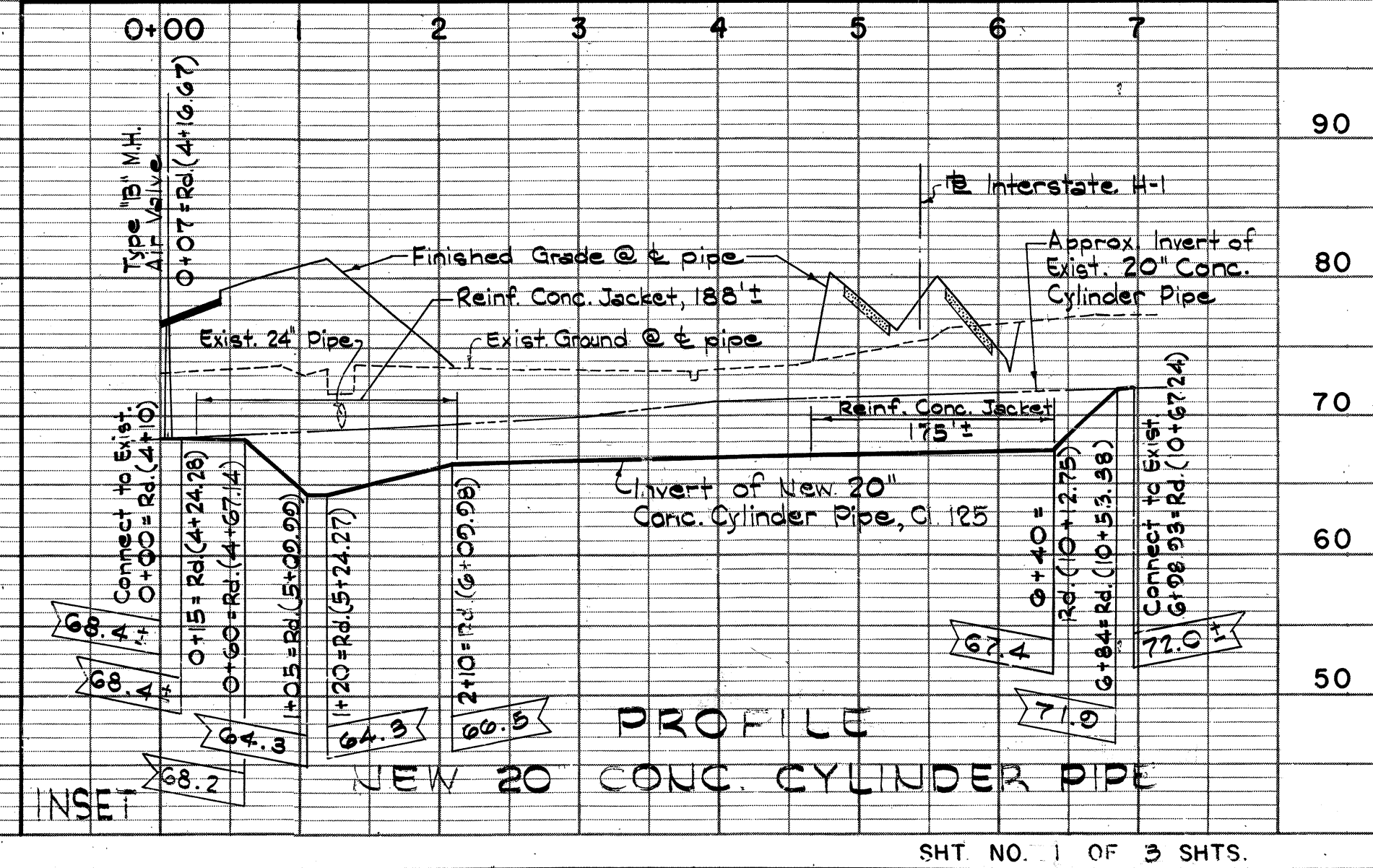
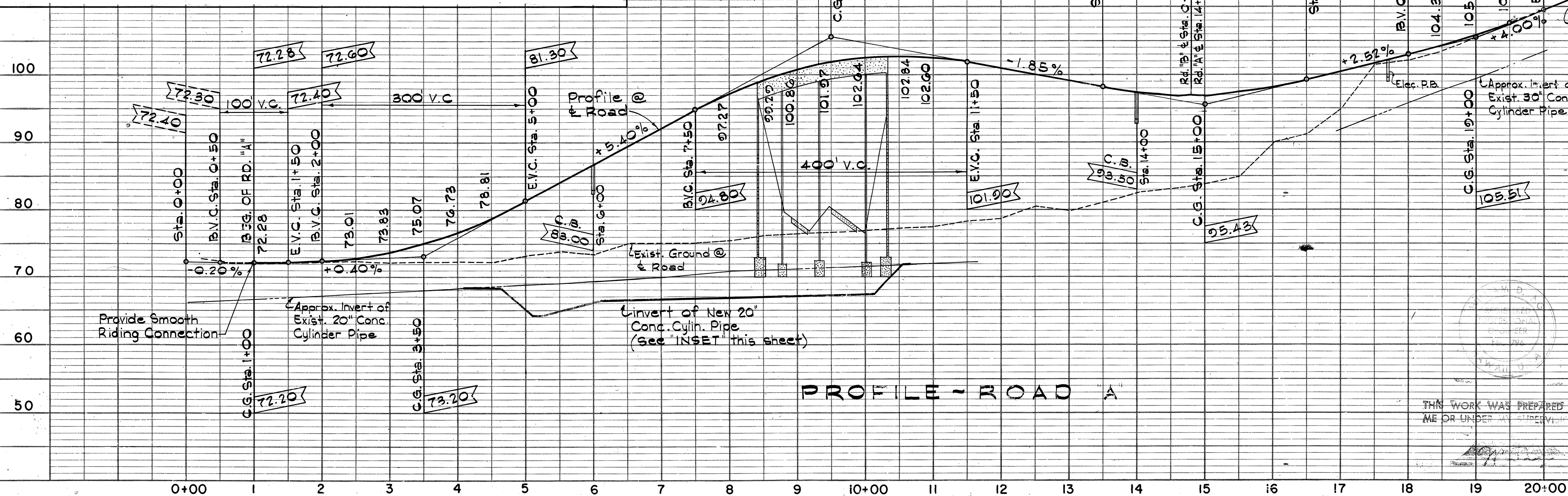
B.M. #4
Spike in E.S. S.W. Corner of
Intersection of Kane Haul Road
and Campbell Road Elev. = 74.00

Rd. "A" & Sta. 1+00
Install C & C Mon.

WATER NOTES

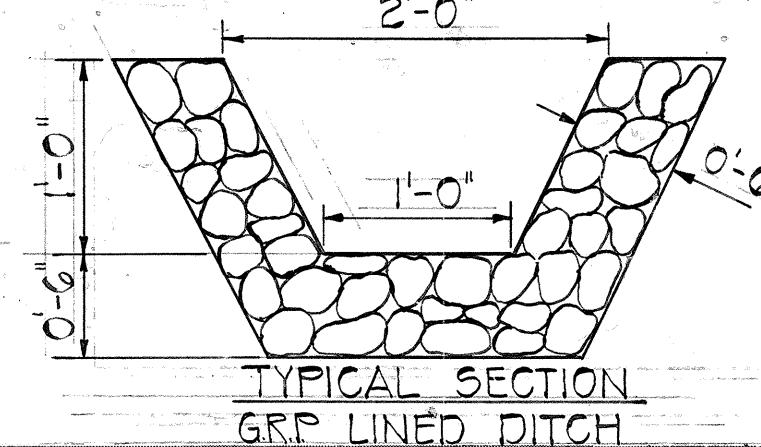
- Materials and construction of water main and appurtenances shall be in accordance with the Standard Specifications and the Special Provisions.
- Extra precautions shall be taken when rolling over new or existing concrete cylinder pipes. Any damage to the pipes and appurtenances shall be the responsibility of the Contractor.
- The locations of the existing water mains and appurtenances shown on the plans are approximate only and the Contractor shall verify the exact location.
- Any excavation work around the existing water main including excavation for other facilities, shall be by hand only.
- The Contractor shall notify the Board of Water Supply in writing one week prior to commencing work on the water system.
- All connections to existing 20" concrete cylinder pipe shall be done by The Board of Water Supply. All materials for water main connections are to be furnished by the Contractor.
- All 20" concrete cylinder pipe shall be class 125 and manufactured in accordance with the requirements of the Special Provisions and the Manufacturer's Detail Drawings, all to be approved by B.W.S.
- The Contractor shall submit the Manufacturer's layout schedule for the installation of the 20" conc. Cylinder pipes and appurtenances with reference to the stationing and grade line as shown on the plans for B.W.S. reference.
- Asterisk (*) denotes work to be performed by B.W.S. and materials furnished by the Contractor.
- Class C-1 concrete for plugging open ends of abandoned pipes shall be incidental to pipeline work.
- Temporary cleanouts shall be furnished and installed by the Contractor wherever necessary and the cost thereof shall be incidental to pipeline work.
- Degree of concrete cylinder bend, or length of adjacent pipes required at points of connection to the existing main shall be verified after exposure of the existing main prior to the start of construction work. Any resulting revisions required shall be done by the Contractor at his own cost. Degree of conc. cylinder bends specified on plan at connection points are for bidding purposes only.
- New water system shall be tested to 125 psi water pressure unless otherwise requested by the Engineer.

PROFILE - ROAD A



GENERAL NOTES

- All existing utility lines shown on these plans are located from the best sources available. The Contractor shall check and verify the exact location and depth of same.
- Where embankment of three (3) feet depth or less from finish pavement grade to existing grade are constructed over the existing pavement and the existing pavement does not fall within the select borrow, subbase, untreated base or pavement area, the existing pavement shall be scarified before placing embankment or subbase material. This work will not be paid for directly, but shall be incidental to "Roadway Excavation".
- Wherever Type "A" concrete curb is shown, this curb shall be as shown on the Standard Details, except that recess shall be omitted.
- Existing C.R.M. ditch being replaced by 30" R.C.C.P. at Rd. "A" Sta. 15+53 shall be abandoned. Any demolishing necessary to make connection for 30" R.C.C.P. shall be incidental to installation of pipe.
- See Sht. 102 for Road A, B & C intersection details.



C.C.O. #26, Nov. 9, 1967
GRP Lined Ditch

APPROVED:
Assistant Chief Engineer B.W.S.
DATE 11/29/65

PROFILE NEW 20" CONC. CYLINDER PIPE

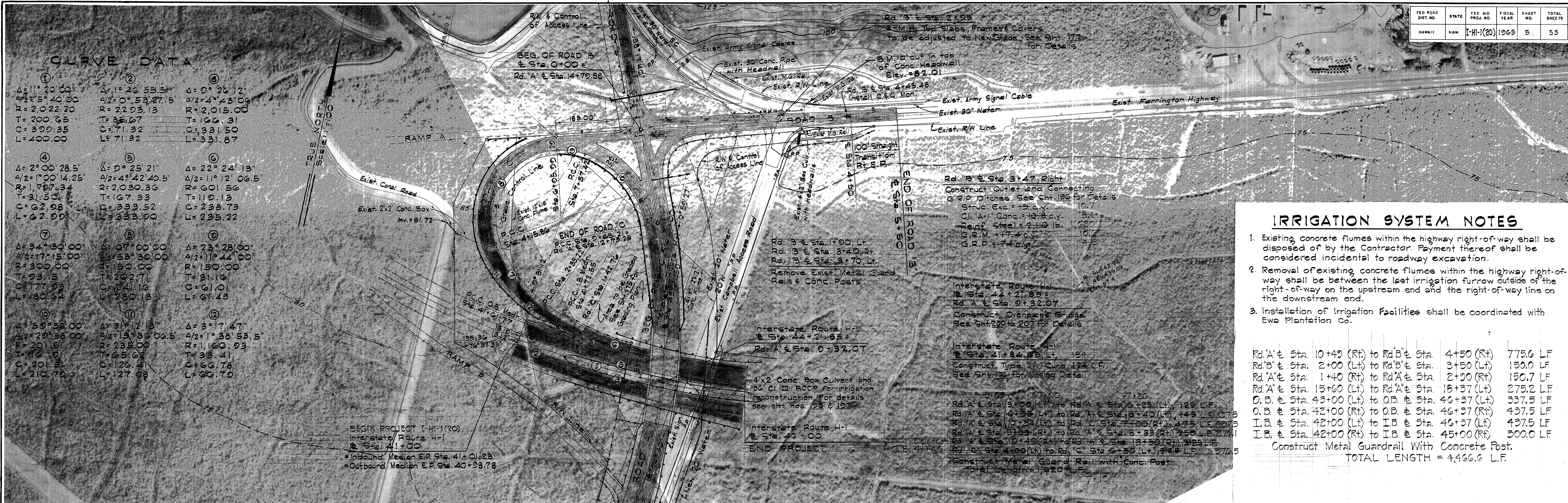
SHT NO. 1 OF 3 SHTS.

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CURVE DATA

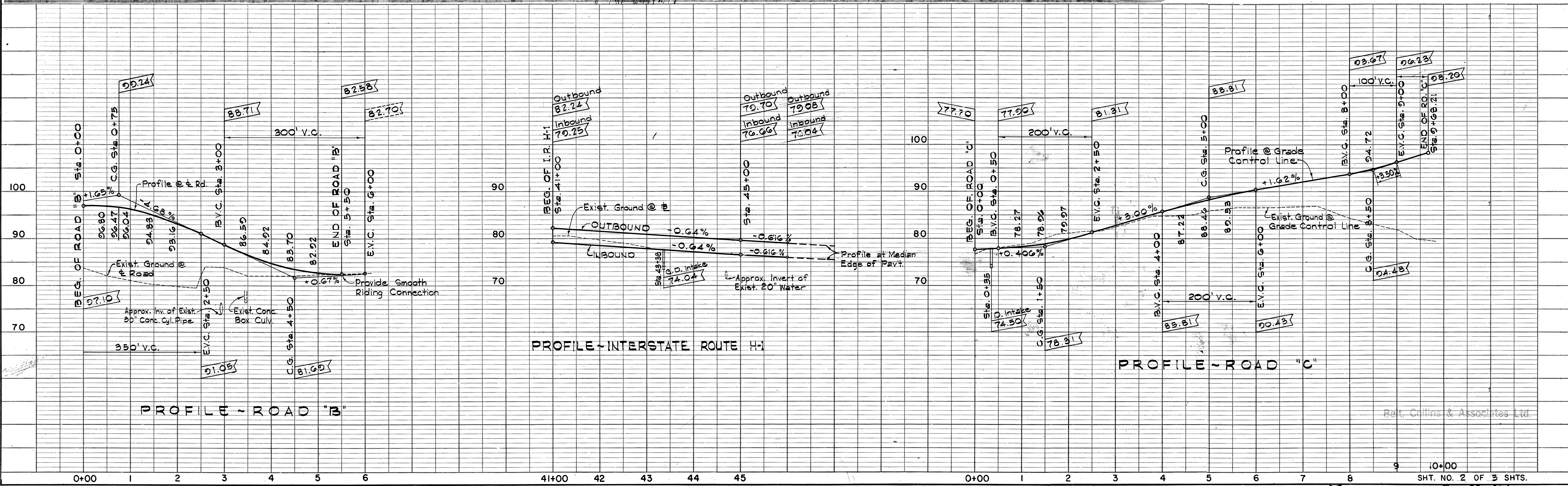
① Δ=11°20'00" R=2,022.20 T=200.65 C=399.35 L=400.00	② Δ=1°26'53.5" R=2203.13 T=35.67 C=71.32 L=71.32	③ Δ=0°26'12" R=2,015.00 T=100.31 C=331.50 L=331.87
④ Δ=2°00'28.5" R=1,767.34 T=31.50 C=62.98 L=62.99	⑤ Δ=0°25'21" R=2,030.36 T=107.33 C=333.52 L=333.90	⑥ Δ=22°24'13" R=601.56 T=110.13 C=236.73 L=235.22
⑦ Δ=34°30'00" R=300.00 T=93.15 C=177.93 L=180.64	⑧ Δ=107°00'00" R=50.00 T=202.71 C=241.16 L=230.13	⑨ Δ=23°28'00" R=150.00 T=31.16 C=61.01 L=61.43
⑩ Δ=59°58'00" R=201.51 T=116.10 C=201.31 L=210.70	⑪ Δ=31°12'13" R=235.00 T=65.62 C=26.41 L=127.98	⑫ Δ=3°17'47" R=1160.93 T=39.41 C=66.78 L=66.79



IRRIGATION SYSTEM NOTES

- Existing concrete flumes within the highway right-of-way shall be disposed of by the Contractor. Payment thereof shall be considered incidental to roadway excavation.
 - Removal of existing concrete flumes within the highway right-of-way shall be between the last irrigation furrow outside of the right-of-way on the upstream end and the right-of-way line on the downstream end.
 - Installation of Irrigation Facilities shall be coordinated with Ewa Plantation Co.
- Construct Metal Guardrail With Concrete Post.**
TOTAL LENGTH = 4,466.6 LF

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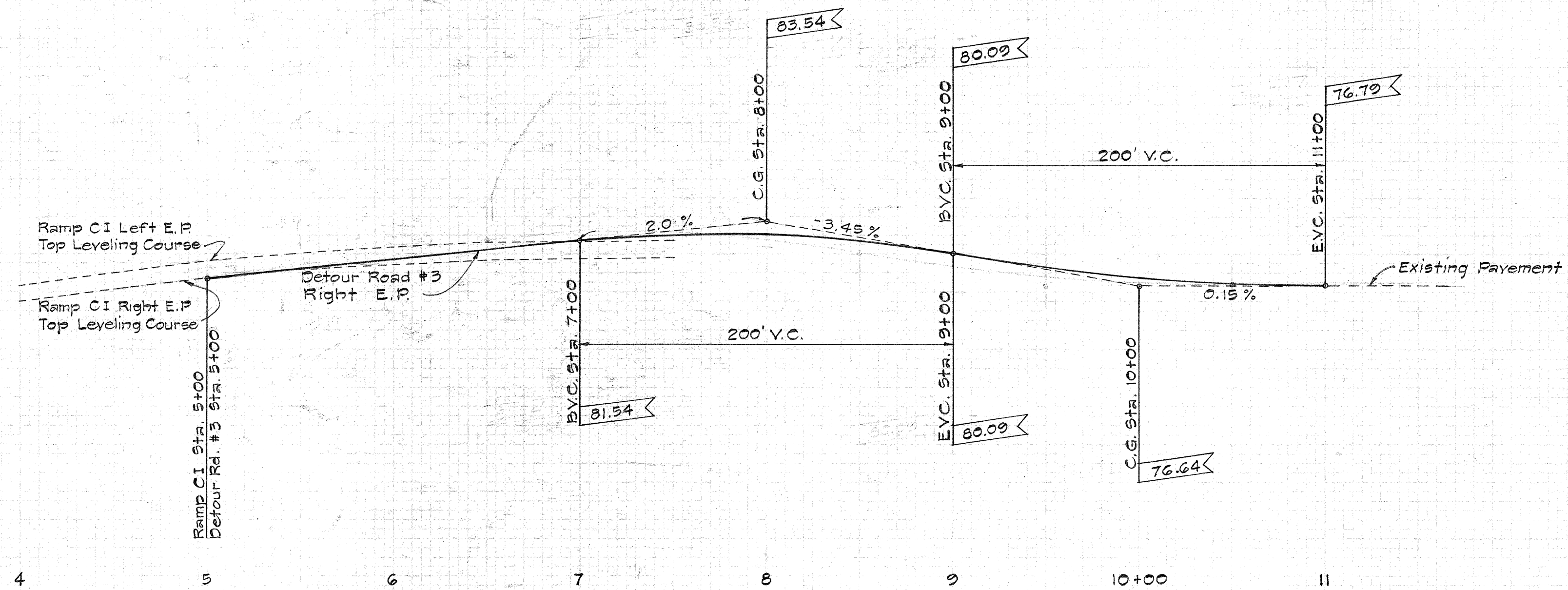


Best, Collins & Associates Ltd.

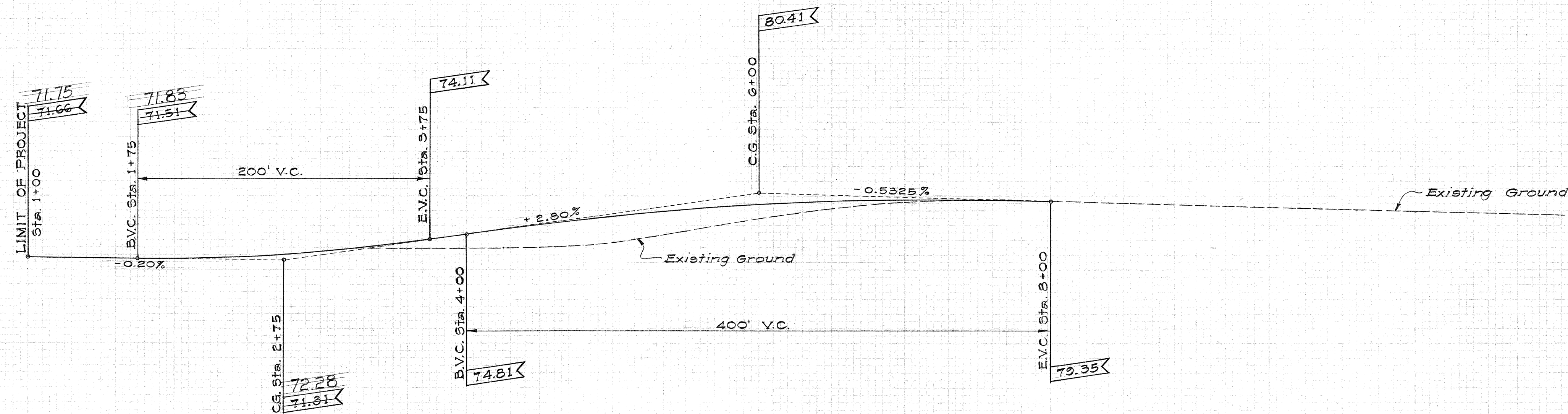
FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
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PROFILE OF DETOUR ROAD #3



PROFILE OF RAMP CI

STATE OF HAWAII	
DEPARTMENT OF TRANSPORTATION	
HIGHWAYS DIVISION	
RAMP PROFILE	
PALAILAI INTERCHANGE	
INTERSTATE ROUTE H-1	
PROJ. No. I-HI-1(20)	
Scale: Horiz. 1"=50'	Date: Sept. 1965
Vert. 1"=10'	
SHEET No. 3 OF 3 SHEETS	

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