

OUTB. E.P.L. CURVE DATA

Δ = 15° 30' 09"
D = 15,507.01'
R = 367.33'
T = 50.00'
L = 99.39'

NOTE:

The U.S. Army Signal Corps Cable is located approximately 30" below the surface.

OUTB. E.P.L. CURVE DATA

Δ = 22° 14' 30"
D = 8,664.64' 0.83838°
R = 661.26' 582.87'
T = 130.00' 114.40'
L = 256.72' 226.10'

NOTE: Provide smooth riding connection to existing pavement.

FAP T.C. & CURVE DATA

Δ = 6° 44' 30"
D = 3.00'
R = 1209.86'
T = 112.49'
L = 224.72'

OUTB. E.P.R. CURVE DATA

Δ = 22° 14' 30"
D = 11,171.39'
R = 512.89'
T = 100.33'
L = 199.12'

Sta. 3+00± Construct 1-C.D.I. Conc. Box Culvert left side of Outbound Lane. Also construct G.R.P. Spillway from 24" pipe outlet to new C.D.I. in Plantation Dirt Road.

EST. QUANT:
Class "B-1" Conc. = 14 c.y.
24" E.S. Reinf. Conc. Pipe = 6+L.F.
G.R.P. Spillway = 55 c.y. 8.4
Struc. Exc. = 576 c.y. 74.0
Reinf. Steel = 165 lb.

See Sheet No. 5480.5 for details of Plantation Dirt Road through Overcrossing and Plantation Dirt Connections to the Inbound and Outbound Lanes.

OUTB. CURVE DATA

Δ = 67° 17' 55" 67° 16' 00"
D = 6,124.62'
R = 035.5'
T = 622.74' 622.33'
L = 1098.82' 1008.30'
SE = 0.104'/ft.

INB. CURVE DATA

Δ = 67° 17' 55" 67° 16' 00"
D = 5,068.31'
R = 060.00'
T = 639.04' 638.63'
L = 1127.02'
SE = 0.104'/ft.

NOTE:

For section of new G.R.P. Ditches, see Sheet No. 5480.5

INB. COMP. CURVE DATA

Δ = 33° 33' 49" 33° 10' 55"
D = 5,740.42' 5,713.02°
R = 1002.72' 1002.74'
T = 300.18' 300.10'
L = 583.32' 583.35'
SE = 0.104'/ft.

NOTE:

Construct Wood Guard Rail W/Conc. Posts. Sta. 6+80± to Sta. 11+00± on right side of Inbound Lane and Sta. 5+60± to Sta. 10+00± on left side of Outbound Lane.

SECTION OF G.R.P. SPILLWAY

Scale: 1/2" = 1'-0"

Demolish the existing Conc. Overcrossing and construct New Overcrossing according to details on Sheet No. 5480.11-13.

Sta. 3+45± Demolish existing C.D.I. on left side of Inbound Lane and reconstruct at new location.

EST. QUANT:
Class "B-1" Conc. = 20 c.y.
Relay 18" Conc. Pipe = 16 L.F.
Struc. Exc. = 152 c.y. 28.0
24" E.S. Reinf. Conc. Pipe = 48 L.F.

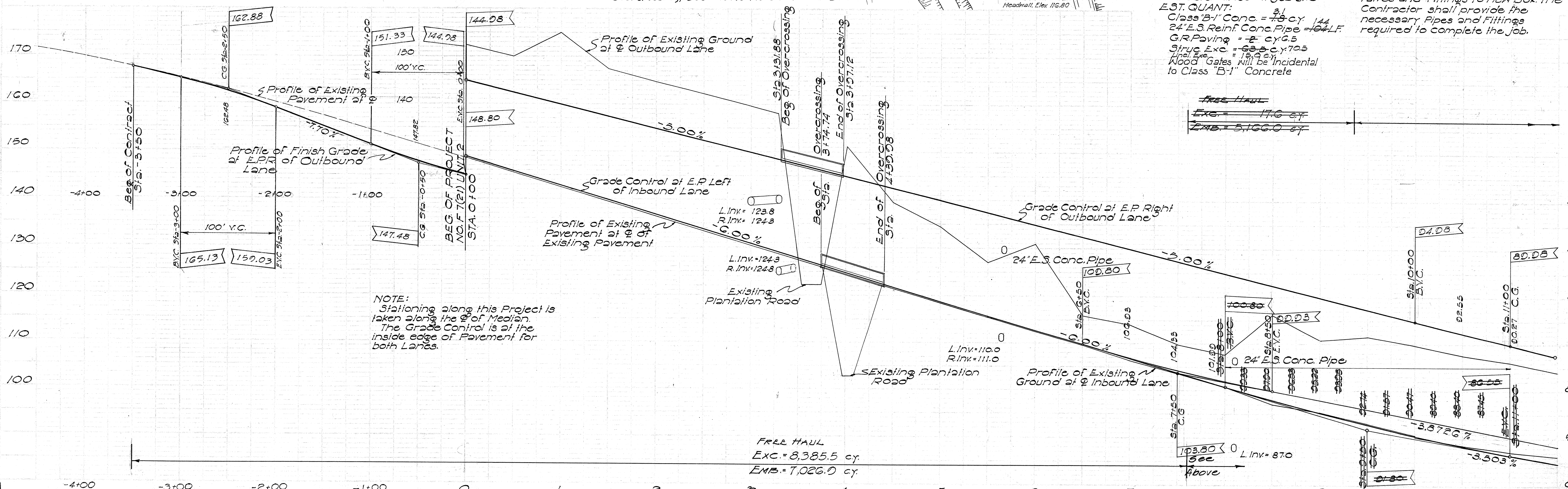
NOTE: For details of Metal Guard Rails at Overcrossing, See Sheets No. 5480.11 - 13

Sta. 8+10± Extend both ends of existing 24" conc. culvert. pipe. Construct 1-C.D.I. and 1-Concrete Gate Box. Inverts to be determined at Job site.

EST. QUANT:
Class "B-1" Conc. = 75 c.y.
24" E.S. Reinf. Conc. Pipe = 104 L.F.
G.R. Paving = 2 c.y. 6.5
Struc. Exc. = 63 c.y. 70.5
Uncl. Exc. = 150 c.y.
Wood Gates will be incidental to Class "B-1" Concrete

NOTE:

Construct New C.D.I. & C.R.M. Valve Box Outside of New R/W Line. See Sheet 5480.6A for details. Relocate the existing Valves and Fittings to new Box. The Contractor shall provide the necessary Pipes and Fittings required to complete the job.

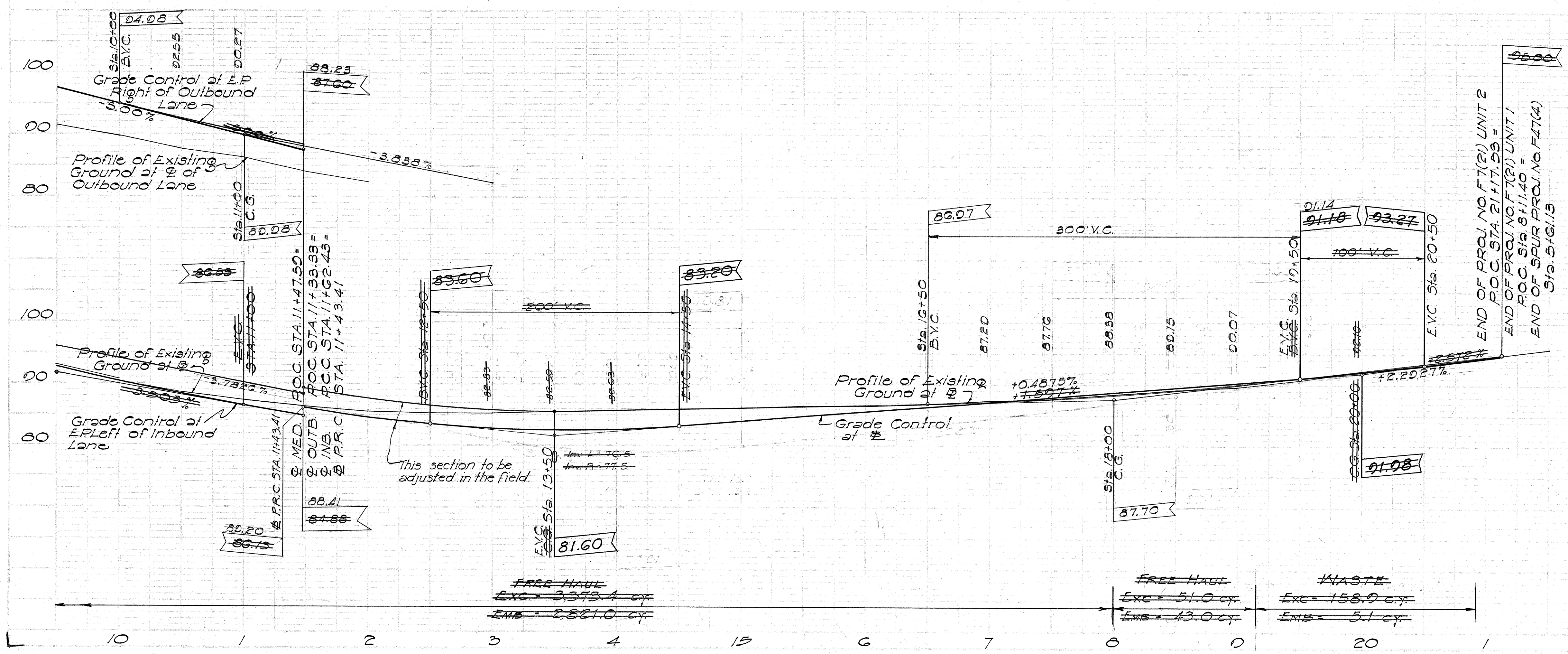
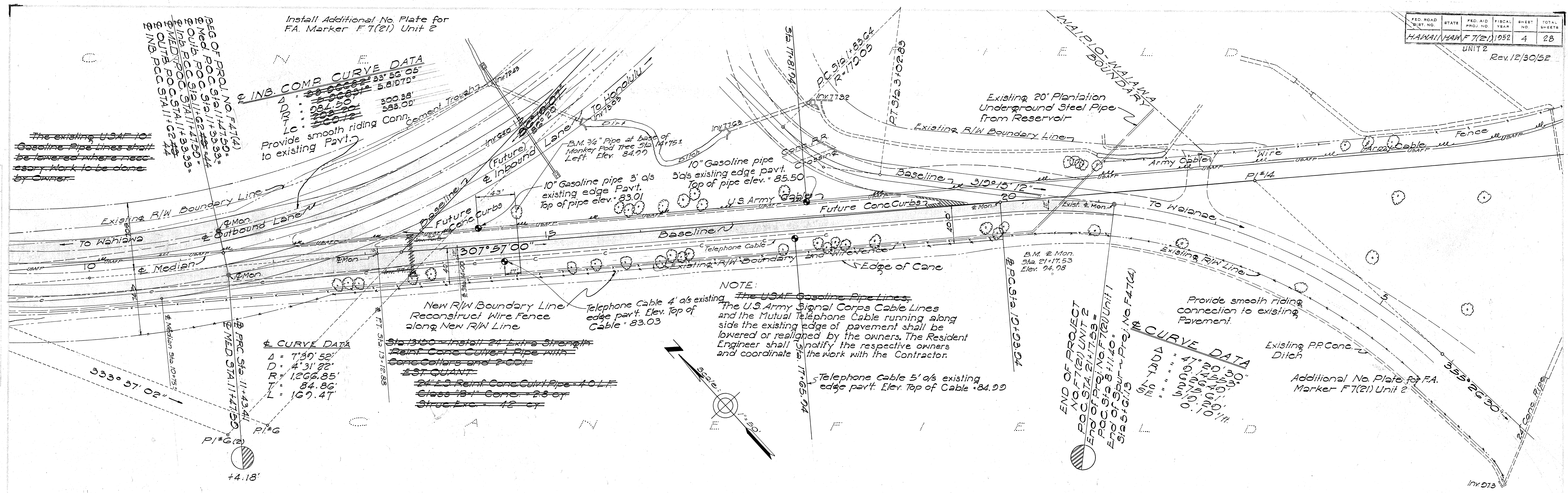


FREE HAUL
Exc. = 8,385.5 cy.
Emb. = 7,026.0 cy.

FED. ROAD DIST. NO.	STATE	FED. AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	F 7(21)	1952	4	28

UNIT 2

Rev. 12/30/52



OVERHAUL SUMMARY			
Item	Cubic Yards	Dist.	Mile Yards
Waste	5,843.7		
Free Haul	20,590.8		
Total Exc.	26,434.5		

5480.4

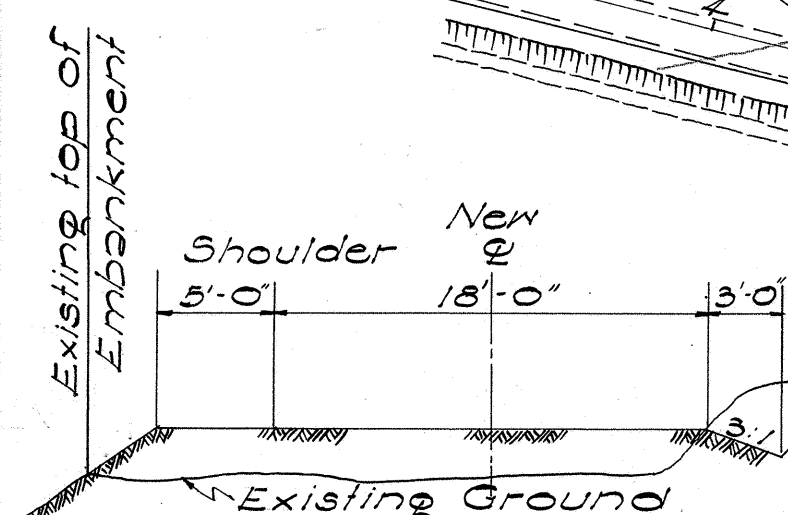
P&E ROAD DIST. NO.	STATE	P&E AID PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW	FT 7(2) Unit 2	1952	5	28

Provide transition from Sta -3+00 to Sta -2+00. The Plantation Road shall hug the Existing Honolulu edge of Road from Sta -5+00 to Sta -3+00. Widen Wahiawa edge of road only.
From Sta -2+00 to Sta -3+00, widen both sides of the road holding the Existing Centerline. See Cross Section Sheets.

Sta -4+70 ~ Demolish Existing C.D.I. and Reconstruct New C.D.I. at New Location. Extend Existing Pipe Siphon to New C.D.I. Invert to be determined at job site.

EST. QUANT:
Class 'B-1' Conc. = 3.0 cy
Struc Exc. = 37.0 cy
24" E.S. Reinf. Conc. = 2.4 L.F.
Culvert Pipe = 2.4 L.F.

Provide smooth riding connection at Turnaround



SECTION-PLANTATION DIRT ROAD CONNECTIONS TO NEW HIGHWAY
Scale: 1/8"=1'-0"

NOTE:
The Plantation Dirt Road Connection to the New Highway shall hug the existing top of embankment. See Cross Sections of Connections.

Sta -1+57+ Plantation Dirt Road Construct new Overhead steel Flume. See details on Sheets 5480.18-19

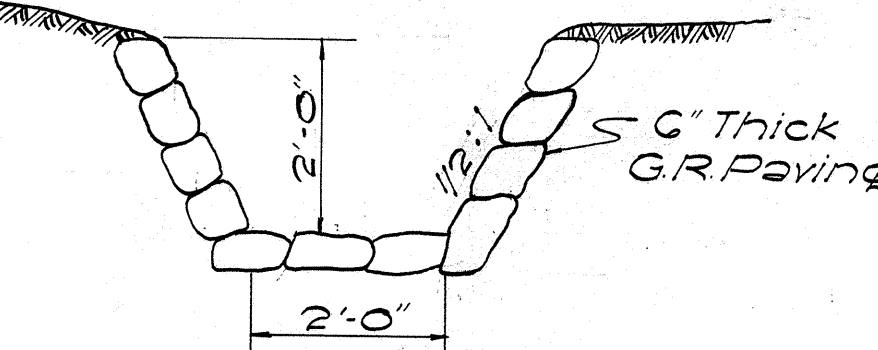
NOTE:
The Existing Signal Corps Cable Lines running under the Plantation Dirt Road will be relocated by the Owner.

Sta 1+25 Plantation Dirt Road Construct 1-C.D.I. with two sides open. Also provide lip in back of C.D.I. to receive drain from spillway.

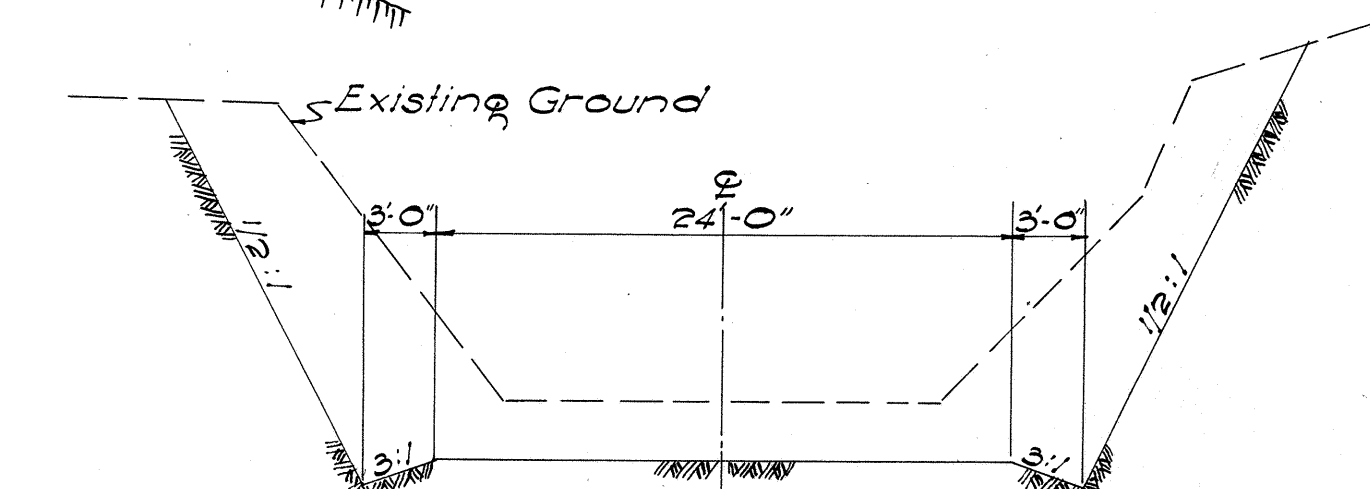
EST. QUANT:
Class 'B-1' Conc. = 1.5 cy
24" E.S. Reinf. Conc. = 1.2 cy
Culvert Pipe = 2.4 L.F.
Struc Exc. = 30.5 cy

Sta 2+50 Plantation Road Construct 2-C.D.I. with 2-Type 'C' C.I. Frame and Grating and 1-C.H.W.

EST. QUANT:
Class 'B-1' Conc. = 5.4 cy
24" E.S. Reinf. Conc. = 4.2 L.F.
Culvert Pipe = 1.2 L.F.
Reinf. Steel = 42 Lbs.
Struc Exc. = 110.0 cy
Uncl. Exc. = 360.0 cy
Type 'C' C.I. Frame & Grating = 2



SECTION OF GROUTED RUBBLE PAVING DITCH
Scale: 1/2"=1'-0"



SECTION-PLANTATION DIRT ROAD THRU OVERCROSSING
Scale: 1/8"=1'-0"

