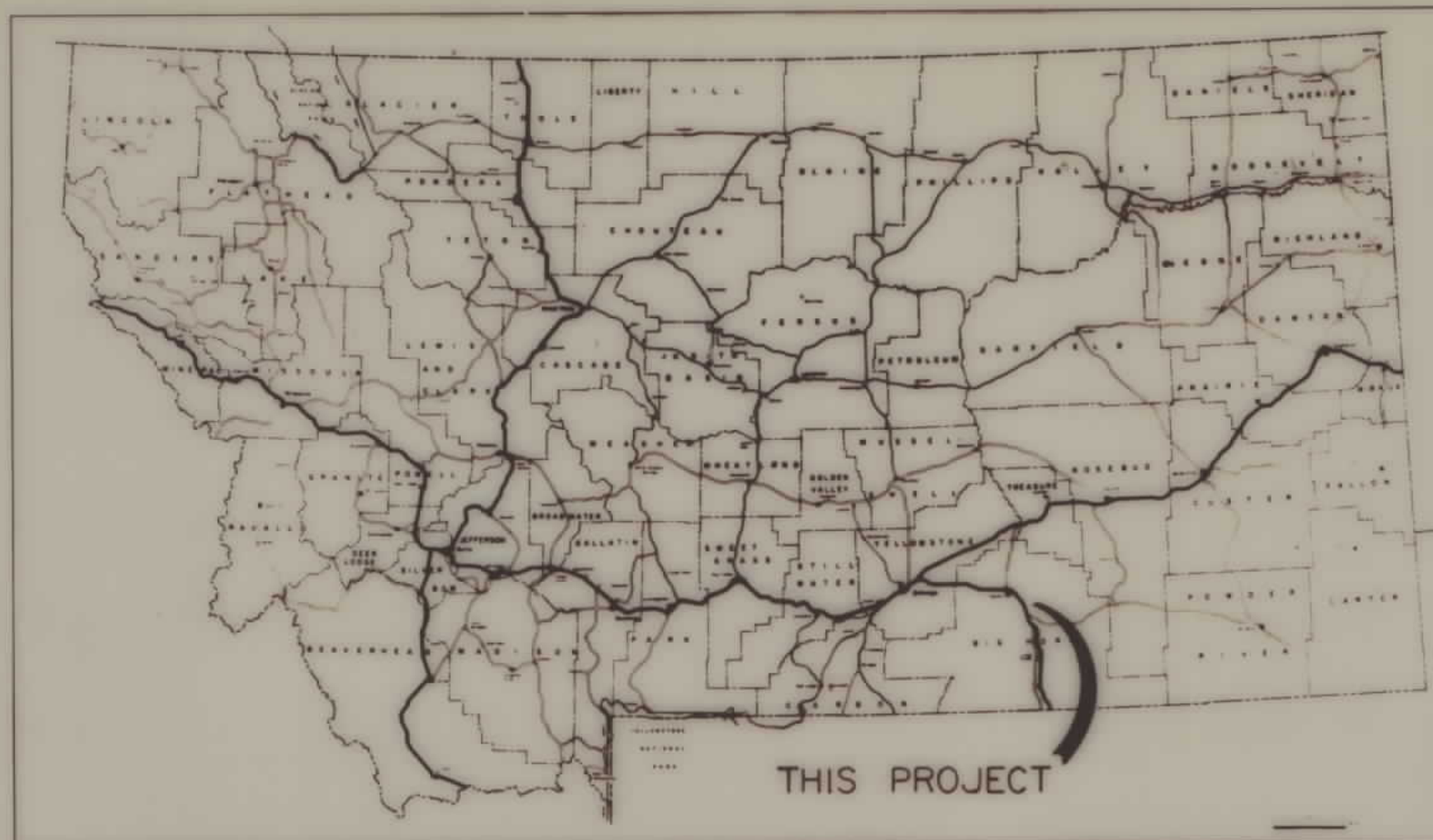


PLANS

NOT

TO

SCALE



MONTANA DEPARTMENT OF HIGHWAYS

STATE PROJECT CT-314-116133

GRADE, GRAVEL & PLANT MIX SURF

BUSBY - KIRBY ROAD

BIG HORN COUNTY

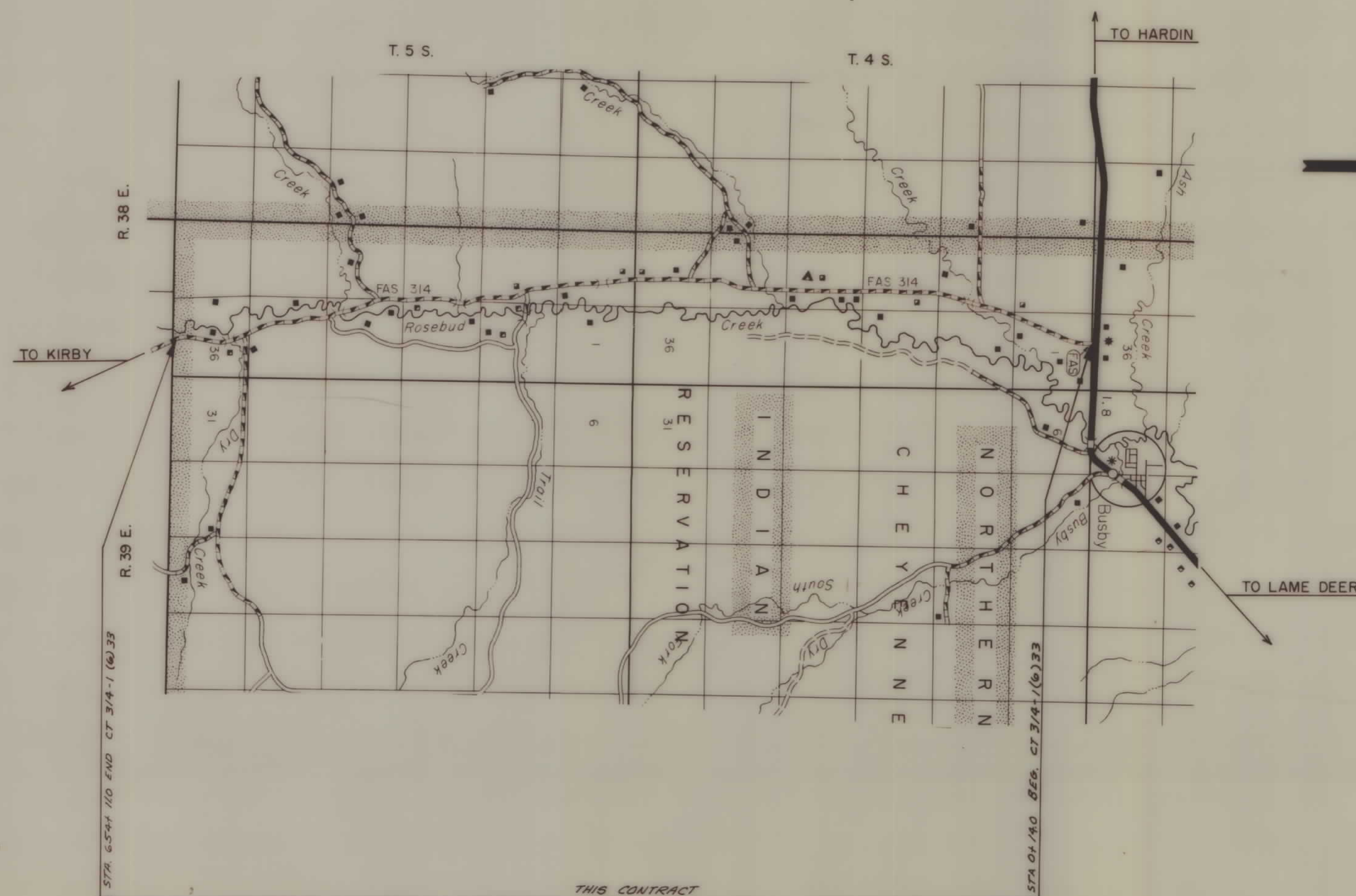
LENGTH 12.4385 MILES

AREA PROSPECTED FOR SURFACING MATERIALS
S.E. 1/4 N.W. 1/4, SECTION 27, T.9 S., R. 40 E.
LAB NO'S. 425223-7 & NO'S. 513076-513085

SCALES
HORIZONTAL: 1 Inch = Feet
VERTICAL: 1 Inch = Feet
CROSS SECTIONS--HOR. & VERT.: 1 Inch = Feet
REDUCED PRINTS APPROX. 1/2 ORIGINAL SCALE

DESIGN DATA		SHEET	TOTAL
		1	23
CT 314-116133			
BUSBY-KIRBY ROAD			
A.D.T.			
A.D.T.			
D.H.V.			
D			
T			
V			

LETTING DATE - MAY 26, 1983
COMPLETED 6-25-84



RELATED PROJECTS

ASSOCIATED PROJECT AGREEMENT NUMBERS

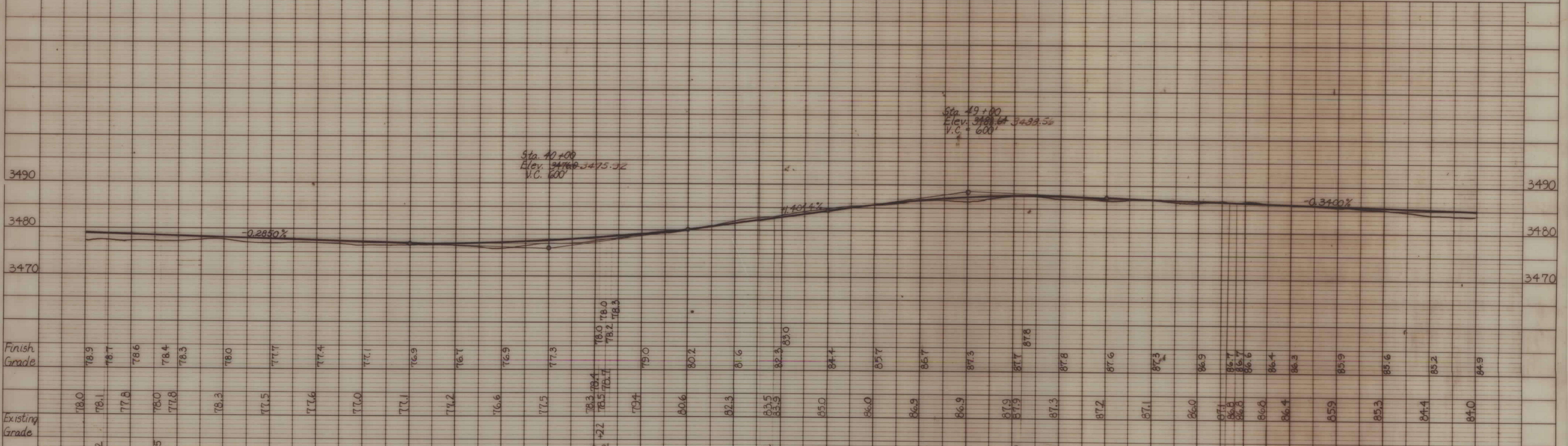
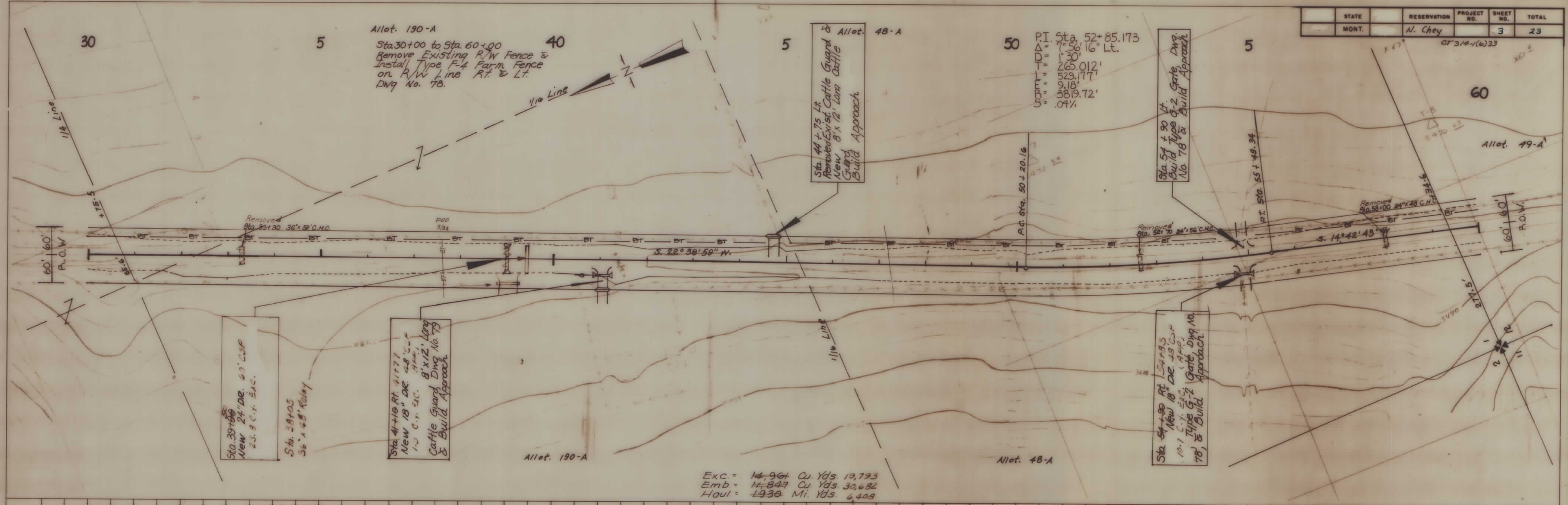
RW & I.C.	
P.S.	(6)

STATE OF MONTANA DEPARTMENT OF HIGHWAYS	
APPROVED: <i>[Signature]</i> 19 83	
GARY J. WICKS DIRECTOR OF HIGHWAYS	
BY <i>[Signature]</i>	
CHIEF PRECONSTRUCTION BUREAU	

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:	
DIVISION ADMINISTRATOR	

STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey		3	23



60

Sta. 60+00 to Sta. 90+00
Remove Existing R/W Fence &
Install Type F-4 Farm Fence
on R/W Line Rt. & Lt.
Dwg No. 78.

5

Plot. 49-A

70

5

80

90

STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey		4	23

CT 3/4-1(6)33

Allot. 878

PI 86+98.25
 $\Delta = 37.2759^\circ$
D = 7.00'
T = 84.60'
L = 163.56'
S = .05%
L = 163.15'

Allot. 886

CONSTRUCTION PERMIT

Barren 10,000 Cu Yds.
Exc. 6,825 Cu Yds.
Emb. 15,520 Cu Yds.
Haul 3060 M. Yds.

Allot. 878

Sta. 72+00
New 60x46" S.S.P.A. DR.
12' x 4' C.S.A.
35' C.V. VEG.
2.9 C.Y. CON. OUTCUT
WALL LT. 5' RT.

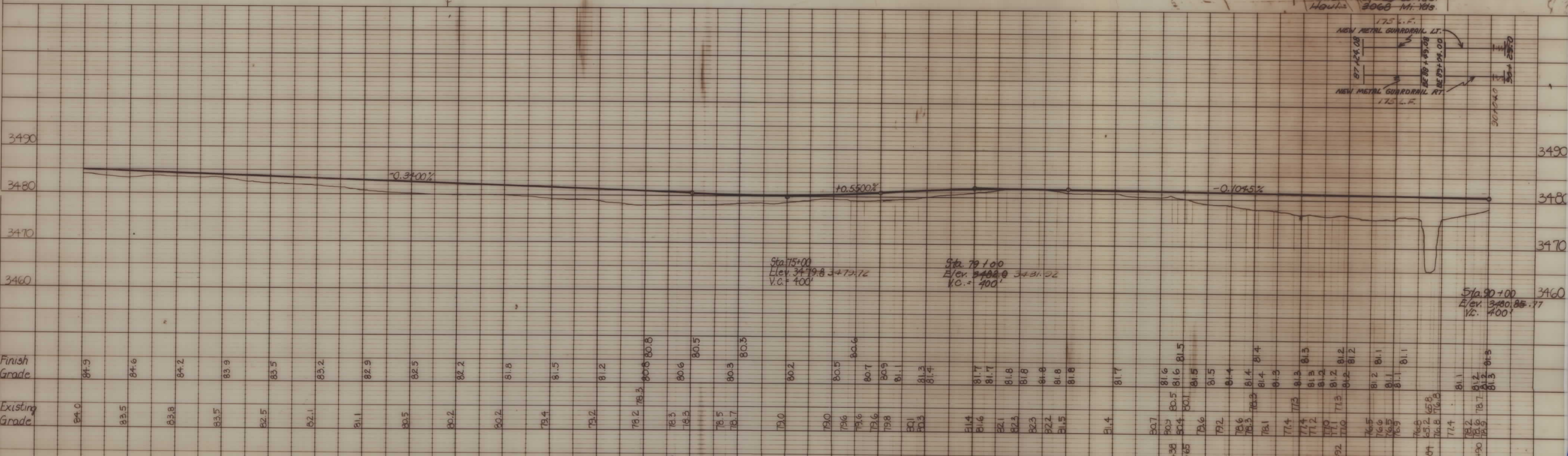
Sta. 72+80 Lt.
Build Type G-2 Gate
Dwg No. 78 & Build
Approach

Sta. 76+70 Lt.
New 18" DR. 43' C.S.P.
S.S. V. VEG.
New 8' x 12' long
Cattle Guard Dwg No. 79
& Build Approach

Sta. 80+00 to Sta. 83+00 Rt.
Obviate old Roadway

Sta. 83+50 Rt. 63+21.7
New 18" DR. 43' C.S.P.
1.0 C.Y. S.C.C.
New 8' x 20' long
Cattle Guard Dwg No. 79
& Build Approach

Allot. 45



Sta. 75+00
Elev. 3479.8
V.C. = 400'

Sta. 79+00
Elev. 3480.0
V.C. = 400'

Sta. 90+00
Elev. 3480.85
V.C. = 400'

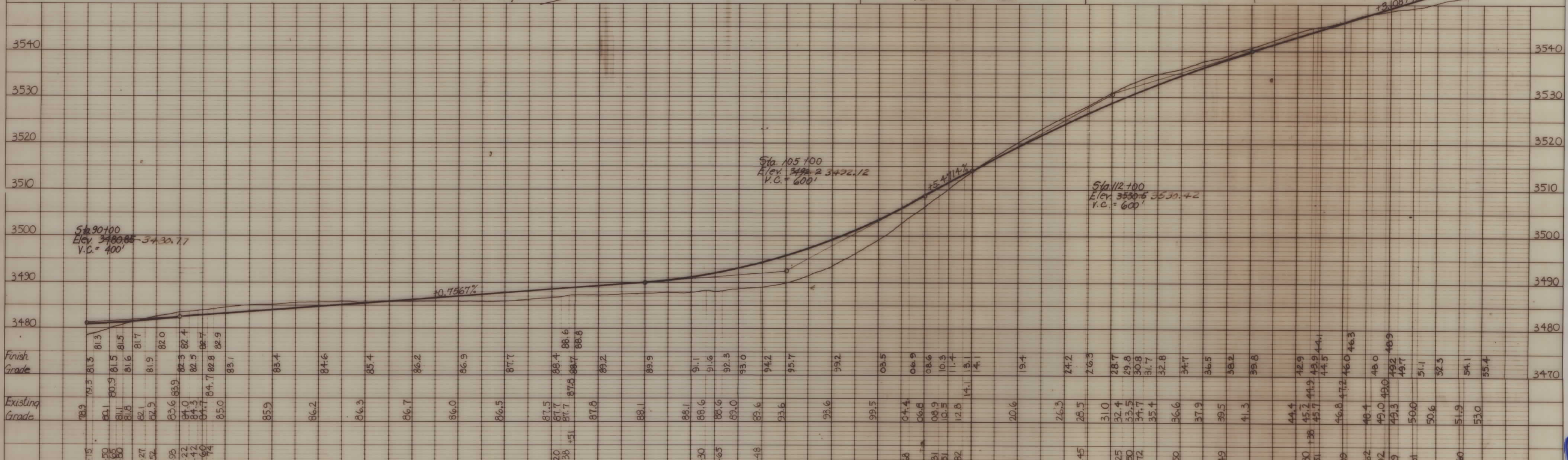
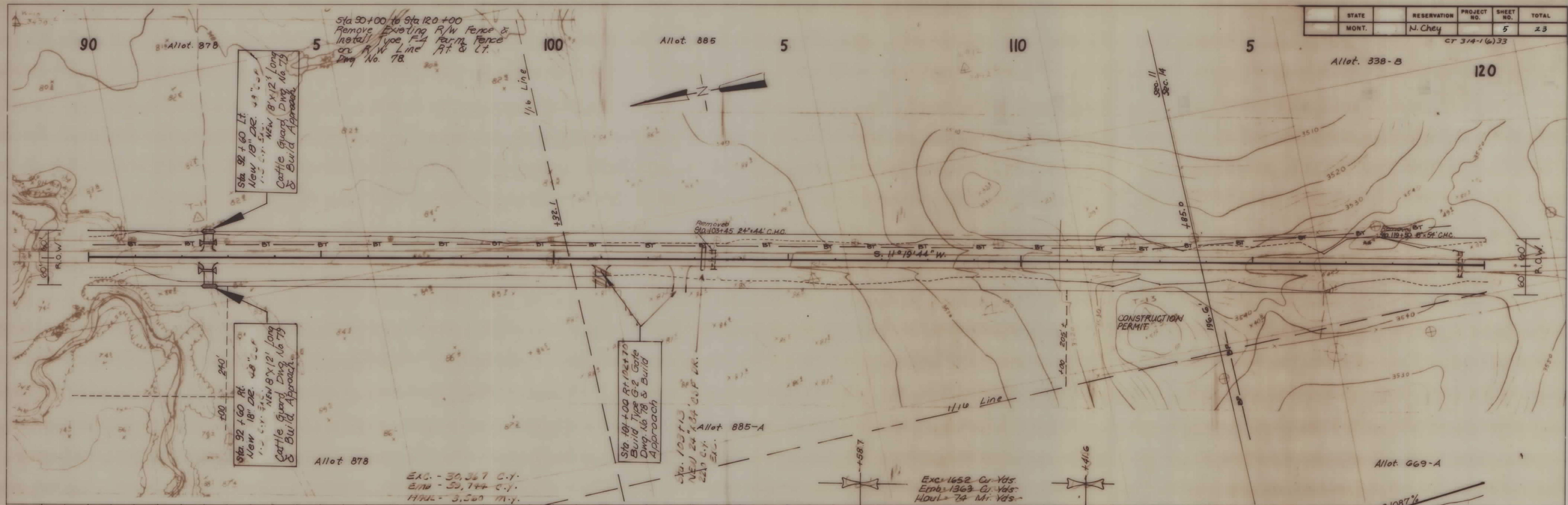
NEW METAL GUARDRAIL LT.
NEW METAL GUARDRAIL RT.
175 L.F.

STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey		5	23

CT 3/4-1(6)33

Allot. 338-B

120



STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	Al Choy		6	23

CT 3/4-1 (6) 33

FEE

PI Sta 122+56.534
 $\Delta = 13^{\circ}08'38''$
 $D = 3^{\circ}30'0''$
 $T = 188.596'$
 $E = 373.537'$
 $L = 10.83'$
 $S = 1637.02'$
 $U = .071'$

5 Allot. 338-B

130

Allot. 1418-B

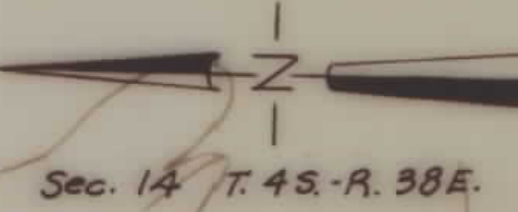
5

140

Sta. 120+00 to Sta. 150+00
 Remove Existing R/W Fence &
 Install Type F-4 Farm Fence
 on R/W Line Rt & Lt.
 Dwg No. 78.

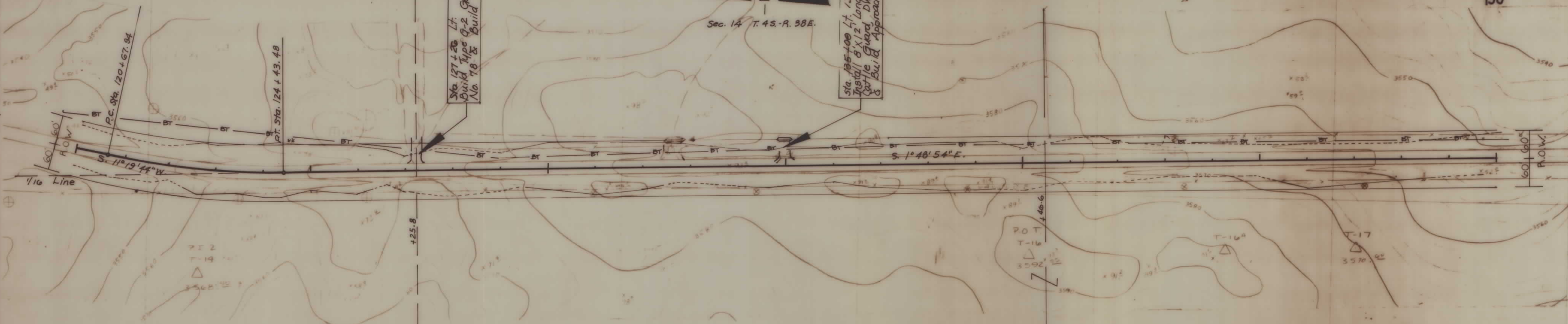
5

150



Sta. 135+00 Lt. 132' 12" Long
 Install 8' x 12' long
 Gate Guard, Dwg No. 79,
 & Build Approach

Sta. 127+20 Lt.
 Build Type G-2 Gate, Dwg
 No. 78 & Build Approach

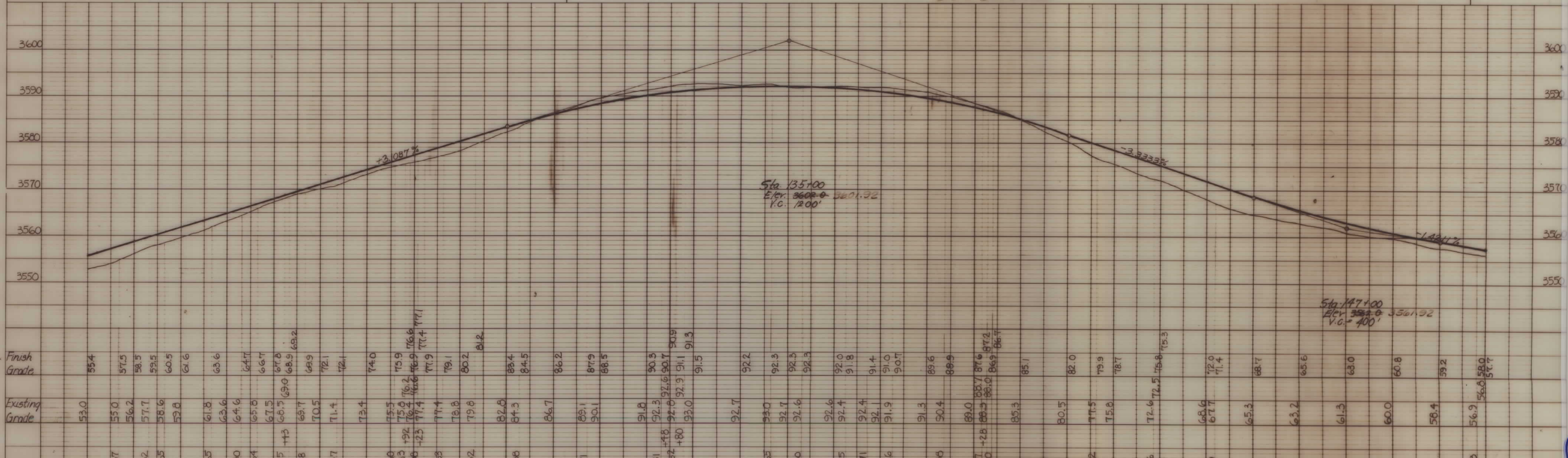


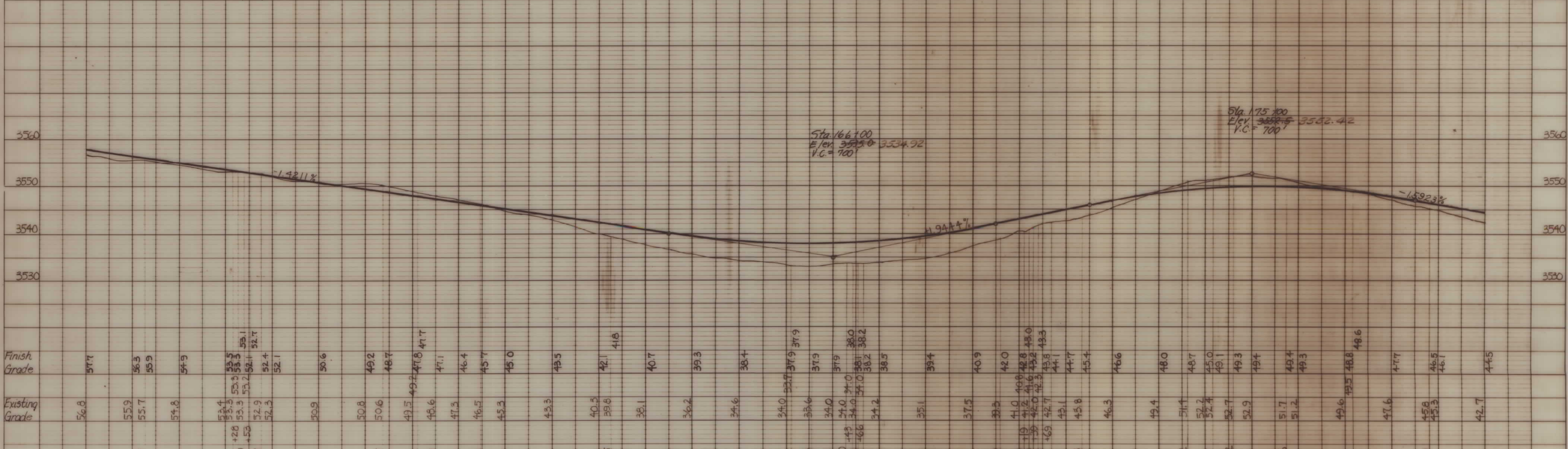
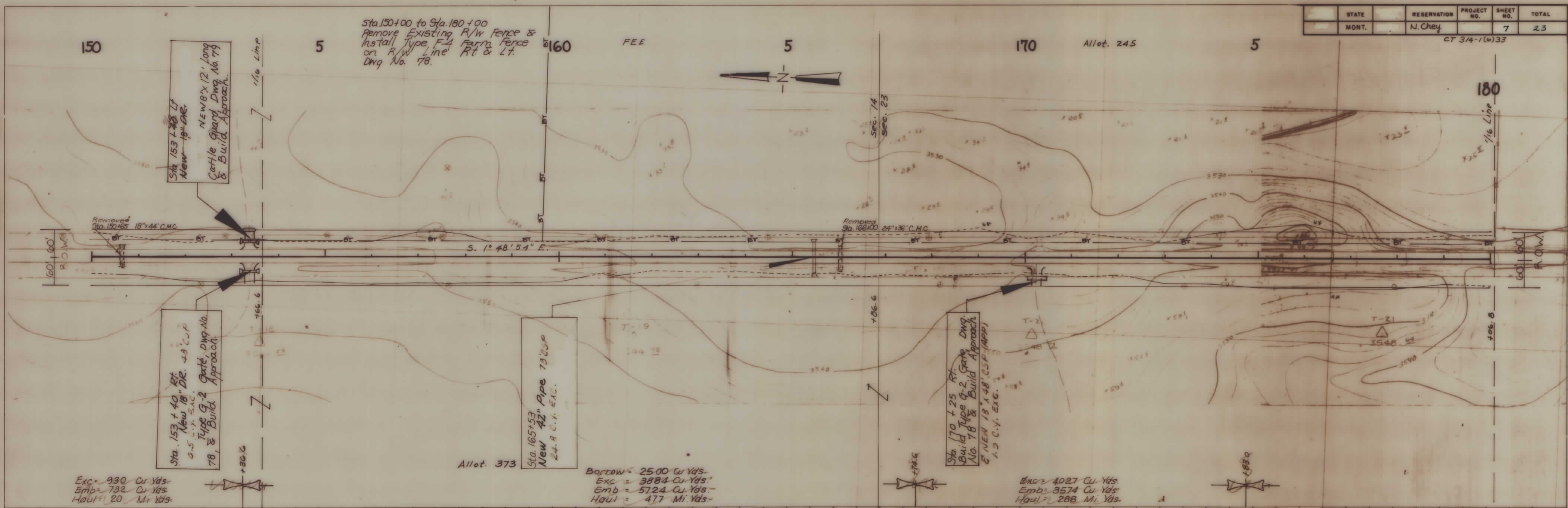
Allot. 669-A

Exc = 6844 Cu. Yds.
 Emb = 5727 Cu. Yds.
 Haul = 562 Mi. Yds.

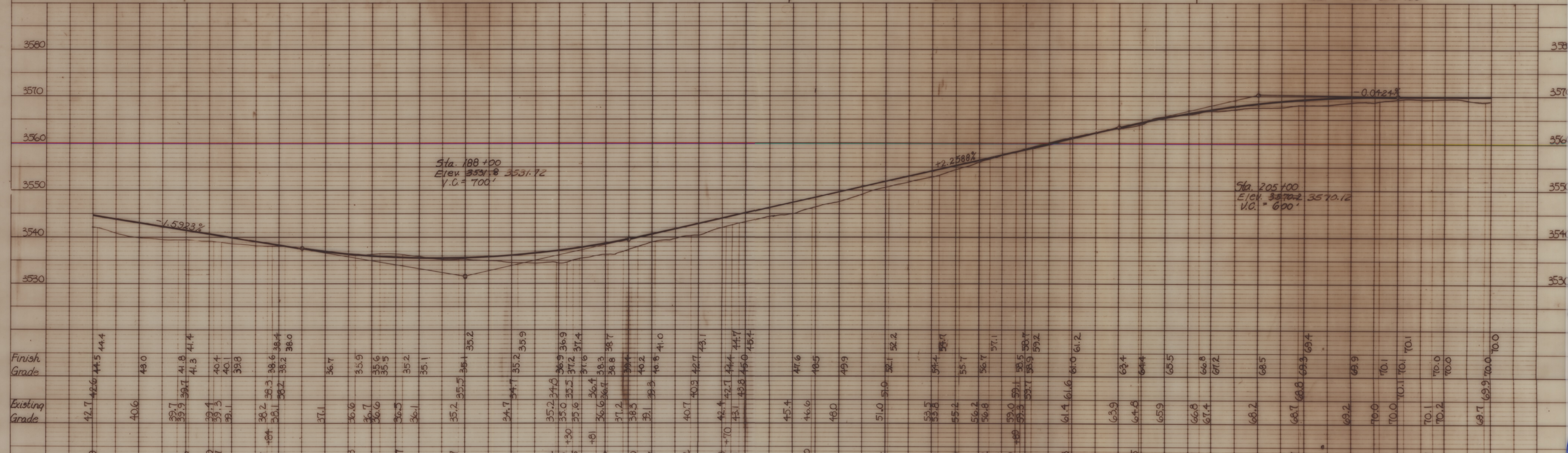
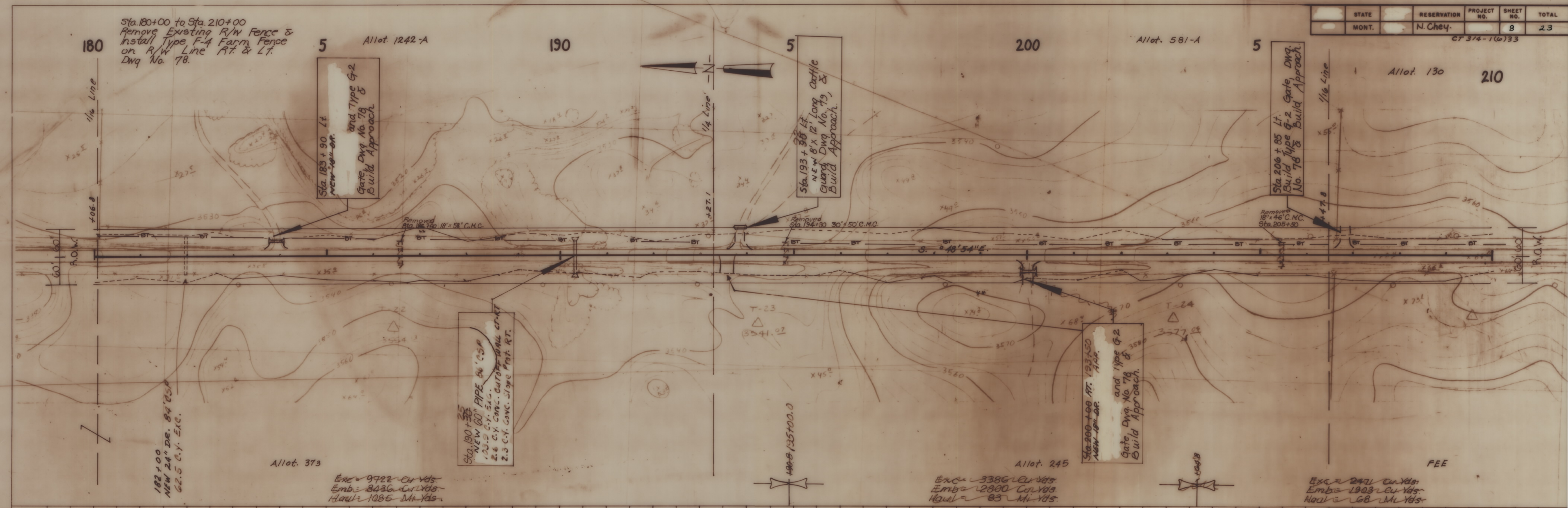
Allot. 671

Exc = 6845 Cu. Yds.
 Emb = 5724 Cu. Yds.
 Haul = 833 Mi. Yds.





CT 314-1(6)33



210

Allot. 130

5

220

5

Allot. 293-B

230

Allot. 293-A

5

Allot. 1373-A

240

STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		9	23

CT 314-1(6)33

Sta. 210+00 to Sta. 240+00
Remove Existing R/W Fence &
Install Type F-4 Farm Fence
on R/W Line At & Lt.
Dwg No. 78.

Sta. 219+50 Lt.
NEW 8" x 12" DR.
NEW 8' x 12' Long
Cattle Guard Dwg. No. 79
& Build Approach.

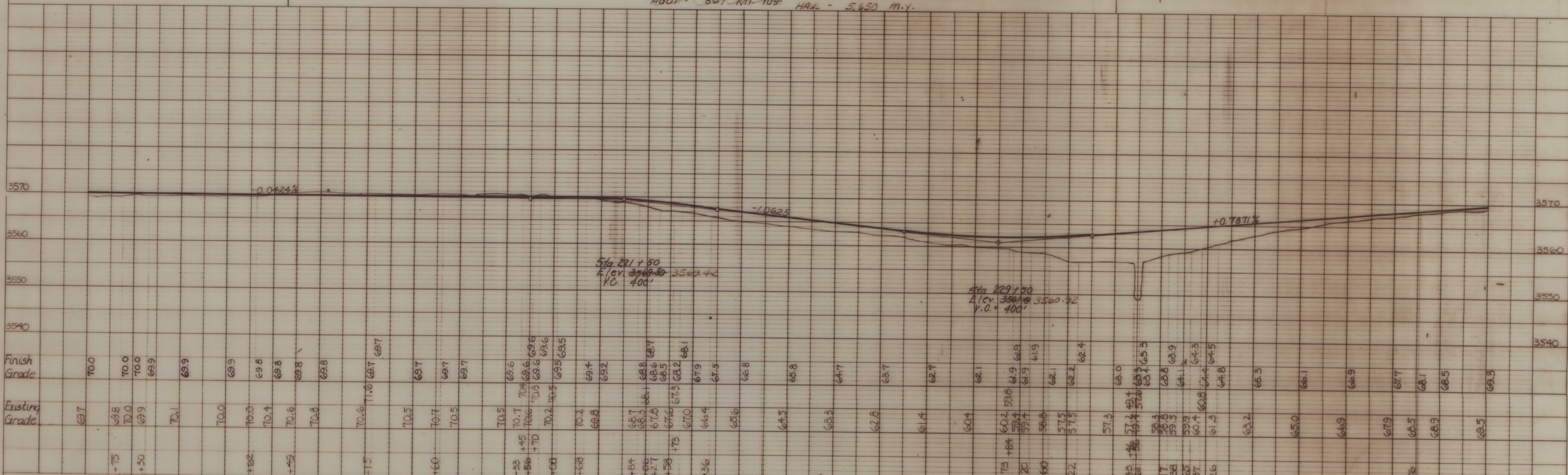
Sta. 219+50 Rt.
NEW 8" x 12" DR.
NEW 8' x 12' Long
Cattle Guard Dwg. No. 79
& Build Approach.

Sta. 229+00 Rt.
NEW 8" x 12" DR.
NEW 8' x 12' Long
Cattle Guard Dwg. No. 79
& Build Approach.

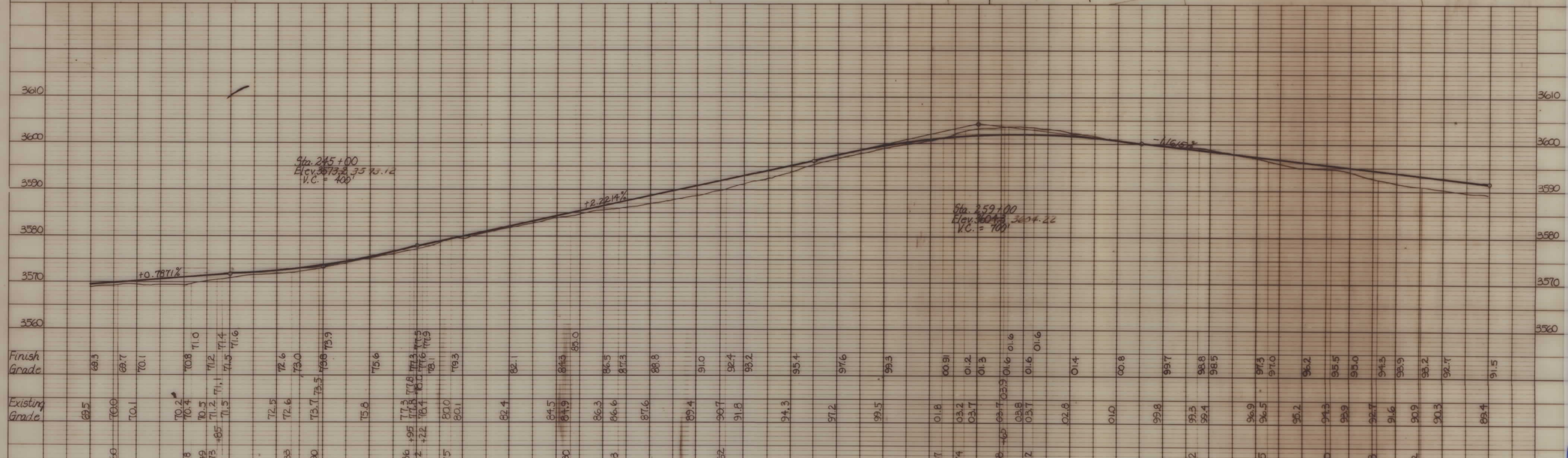
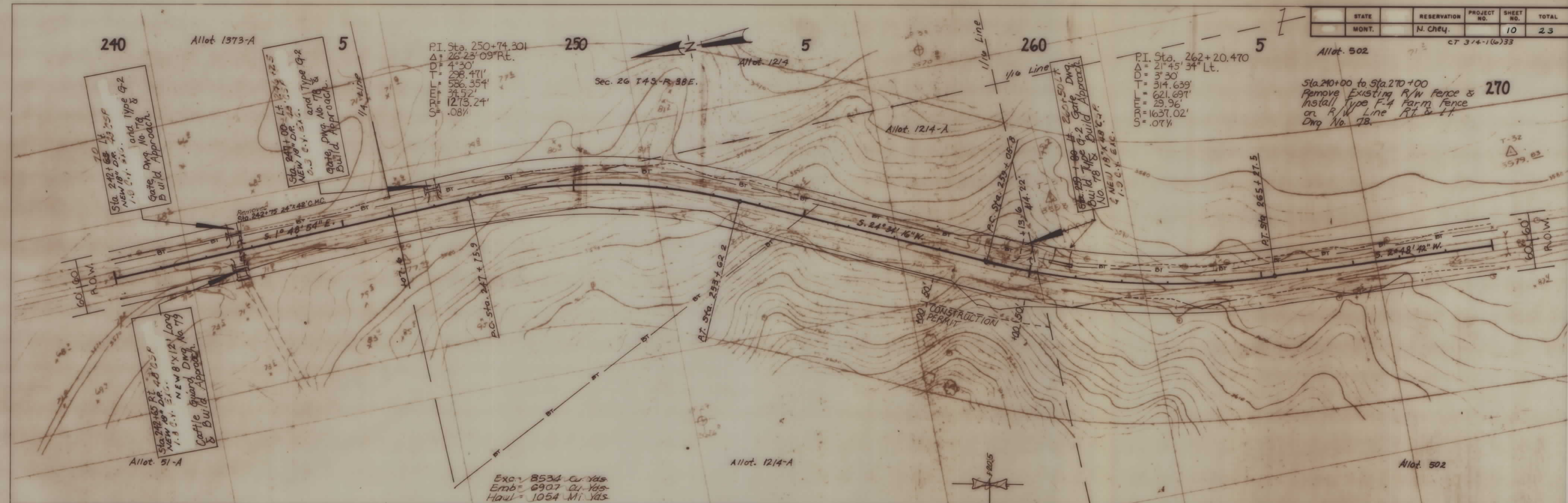
Sta. 232+50
NEW 14" PIPE 86' 0.57' P.
15.5 C.Y. EAC.
4.3 C.Y. CONC. CUTOFF WALL
L.T. ERT.
3.0 C.Y. CONC. SLOPE REST.
RT.
29.3 C.Y. CL-2 RANDOLPH
KIPRAP

Allot. 168-A

Exc. - 6064 Cu. Yds. Exc. - 57,383 C.Y.
Emb. - 5033 Cu. Yds. Emb. - 99,445 C.Y.
Haul - 867 Mi. Yds. Haul - 5,650 M.Y.

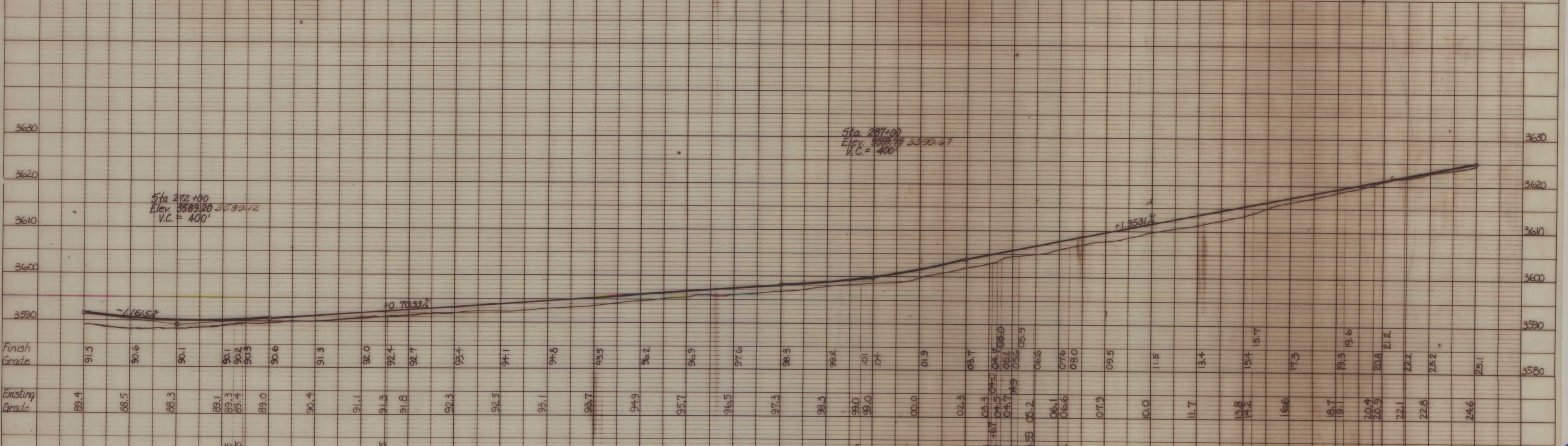
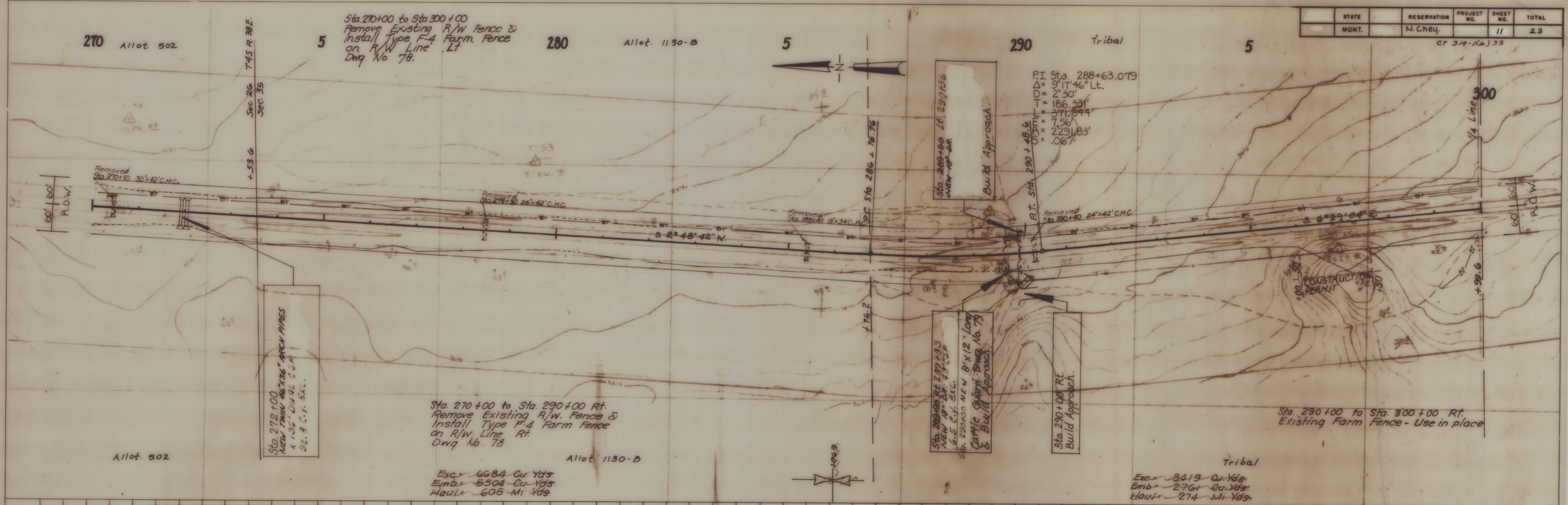


STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		10	23



STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		11	23

CT 314-(L6) 33



STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		12	23

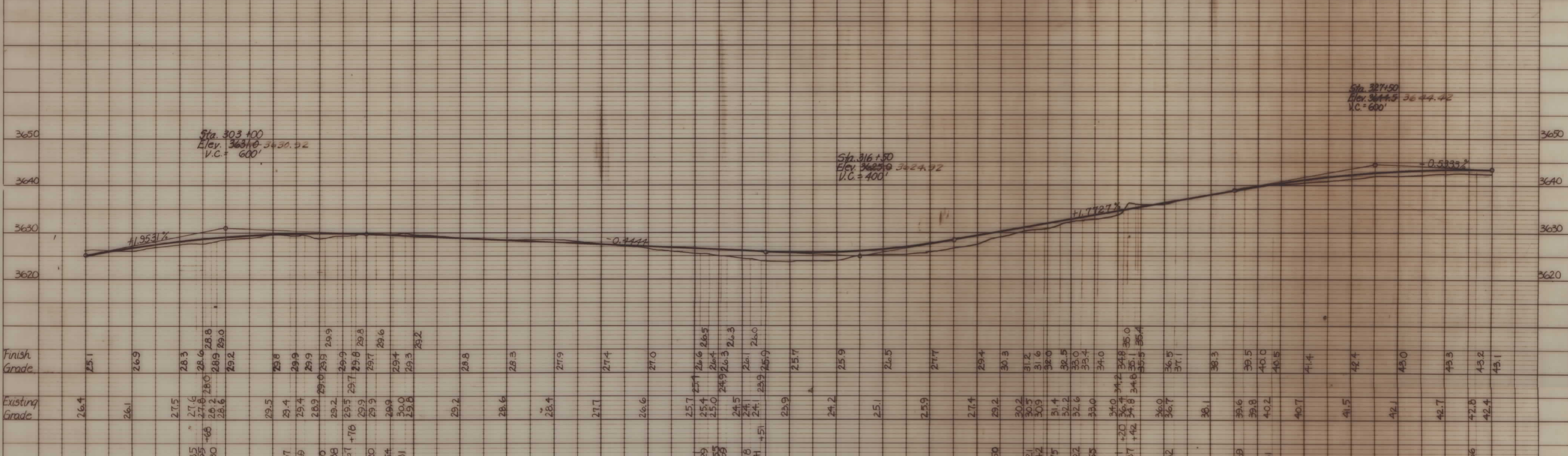
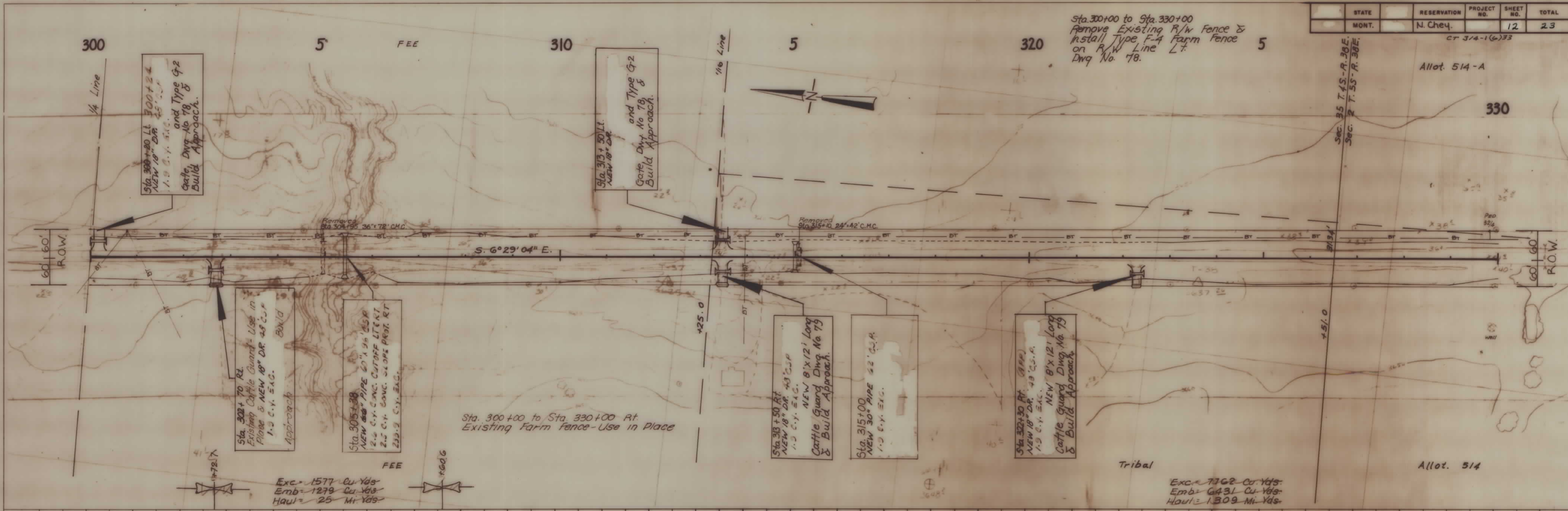
CT 3/4-1 (6) 33

Allot. 514-A

330

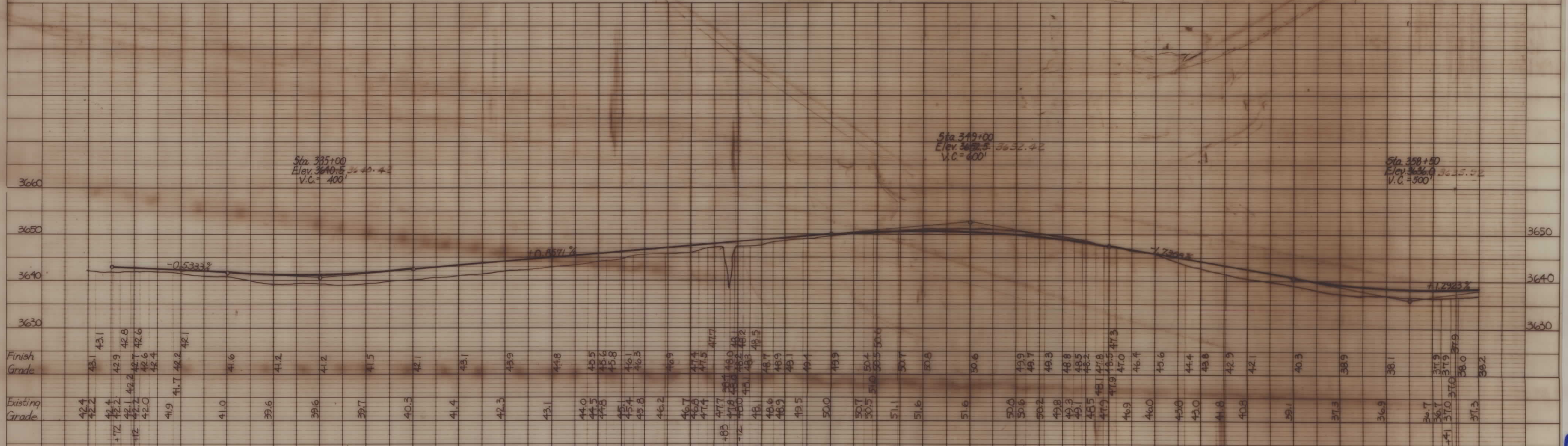
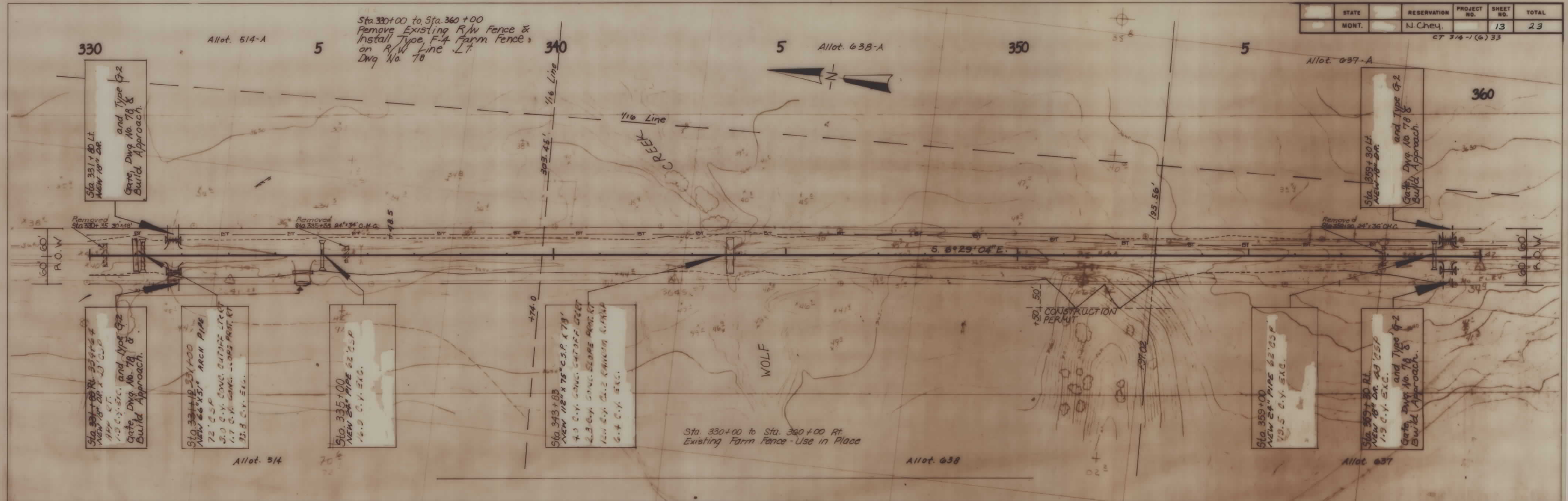
Sta. 300+00 to Sta. 330+00
Remove Existing R/W Fence &
Install Type F-4 Farm Fence
on R/W Line Lt.
Dwg No. 78.

Sec. 35 T. 4S. - R. 30E.
Sec. 2 T. 5S. - R. 30E.



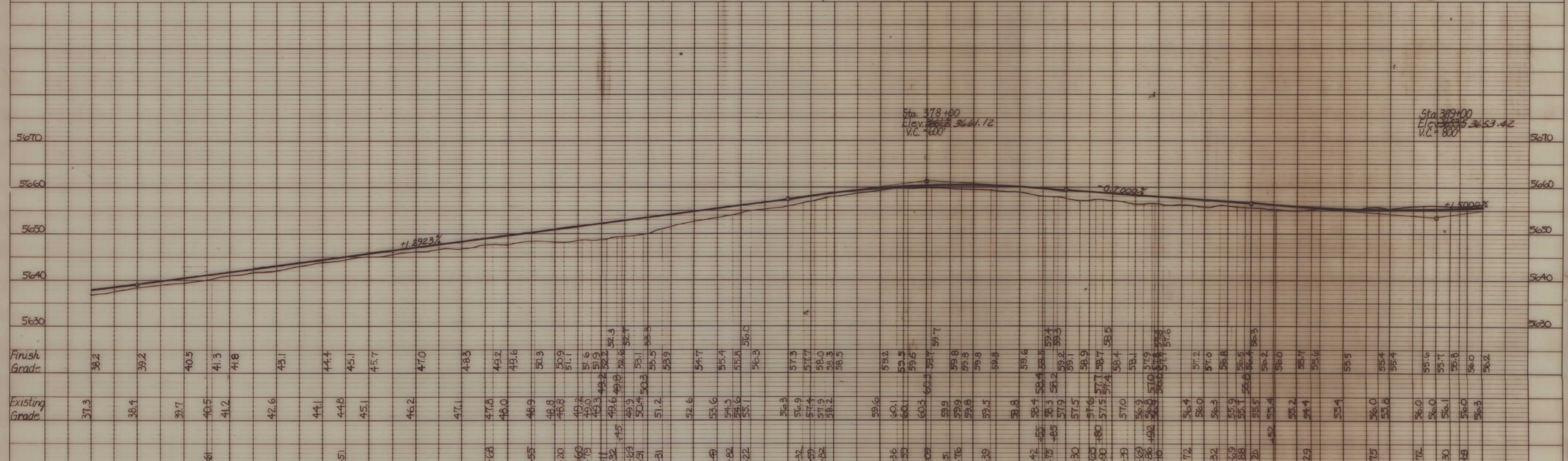
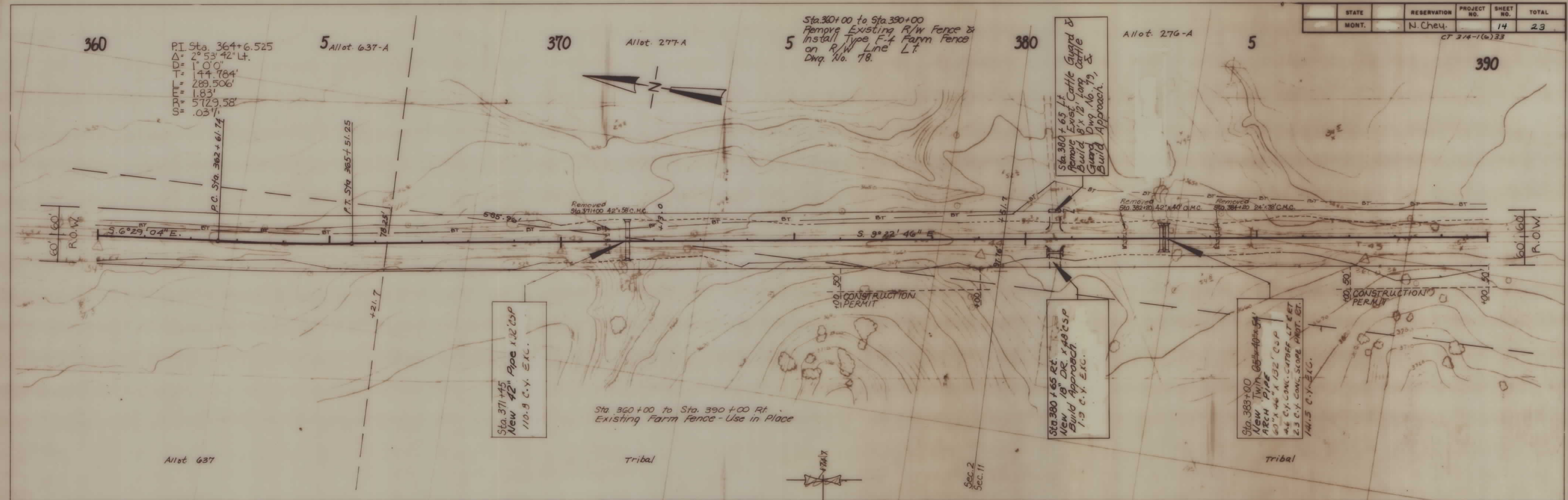
STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		13	23

CT 314-1(6)33

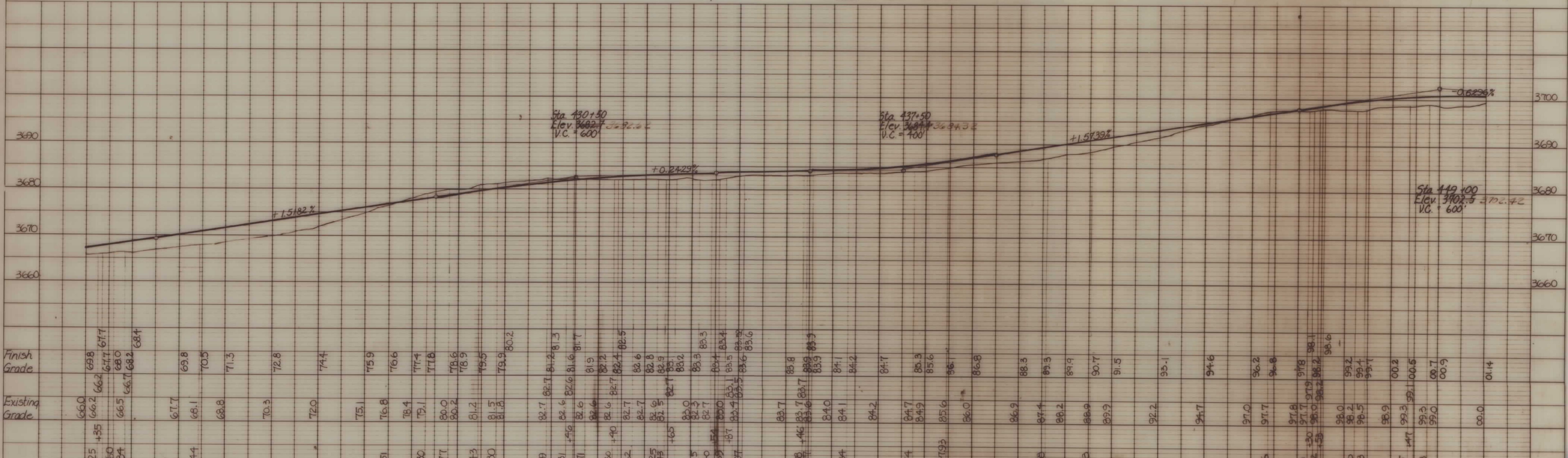
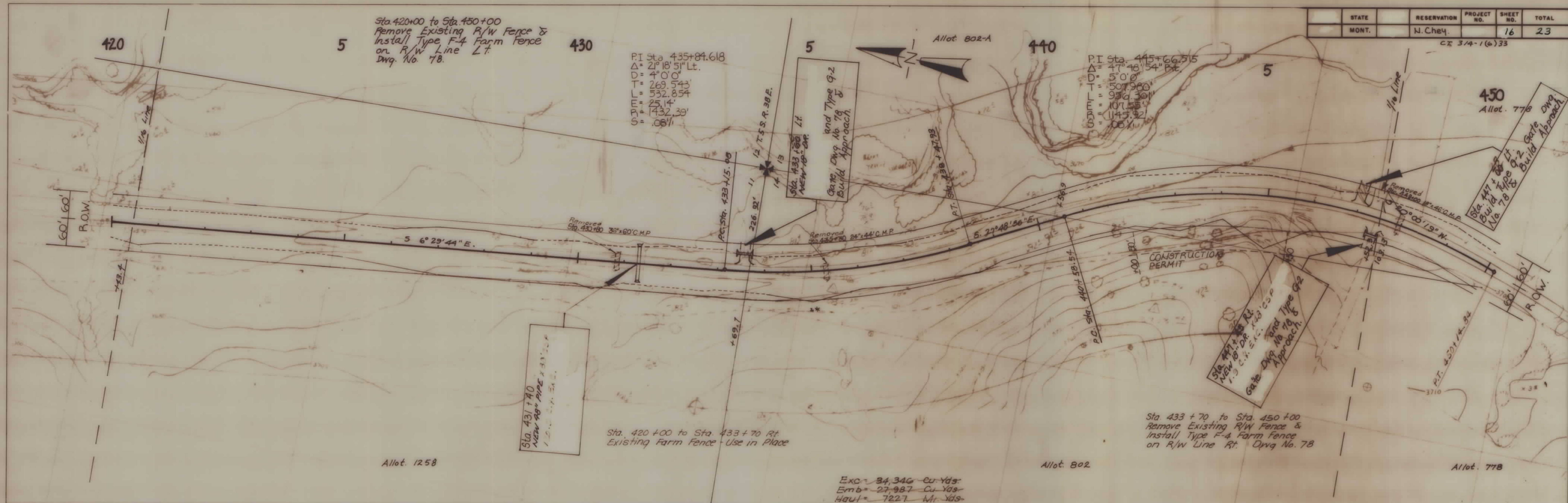


STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		14	23

CT 3/4-1(6)33

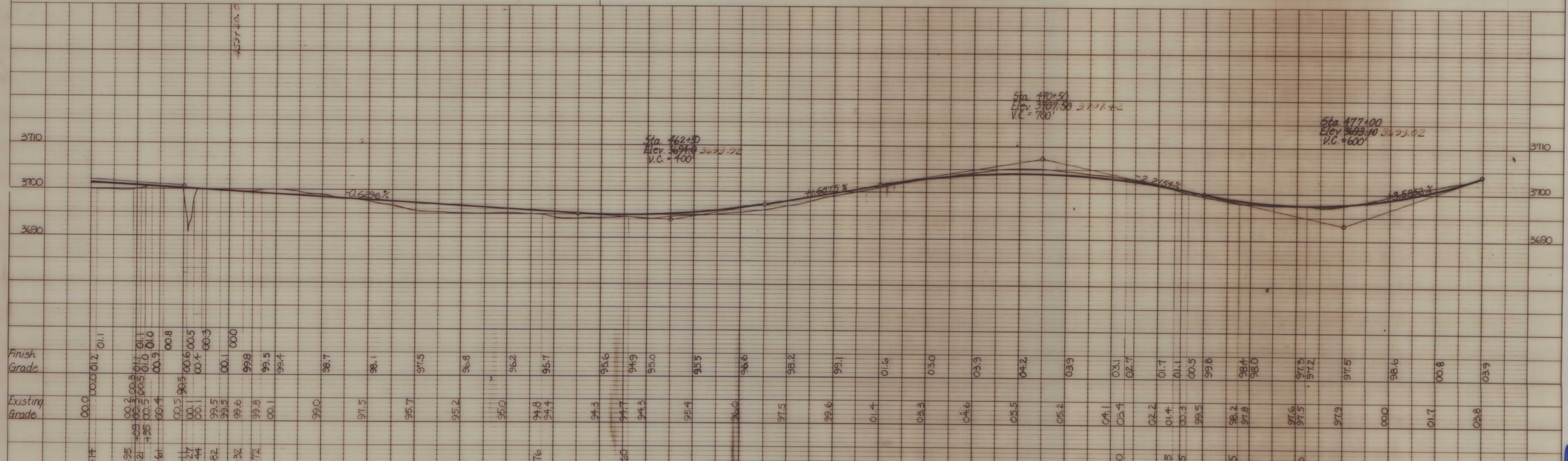
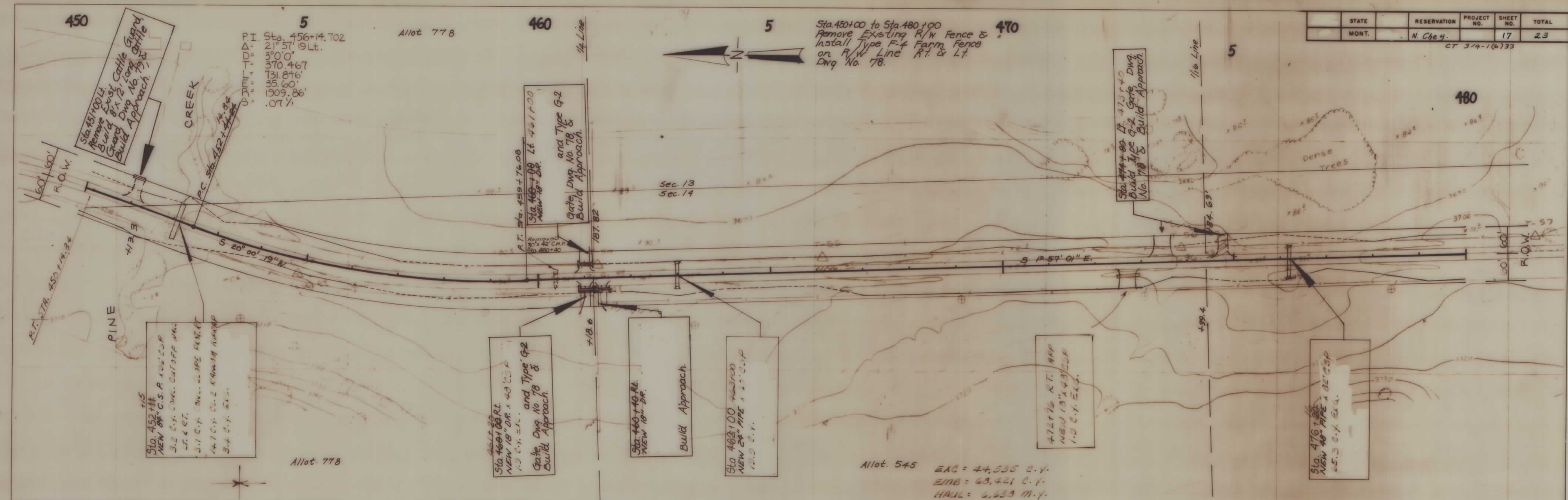


CZ 3/4-1(6)33



STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		17	23

CT 314-1(6)33



480

Sta. 480+00 to Sta. 510+00
Remove Existing R/W Fence &
Install Type F-4 Farm Fence
on R/W Line Rt & Lt.
Dwg. No. 18.

5

490

5

Allot. 643

500

PI Sta. 506+30.524
 $\Delta = 24^\circ 22' 17''$ Lt.
 $D = 1' 0''$
 $T = 1237.280'$
 $L = 2437.137'$
 $E = 132.07'$
 $S = 5729.58'$
 $S = .037'$

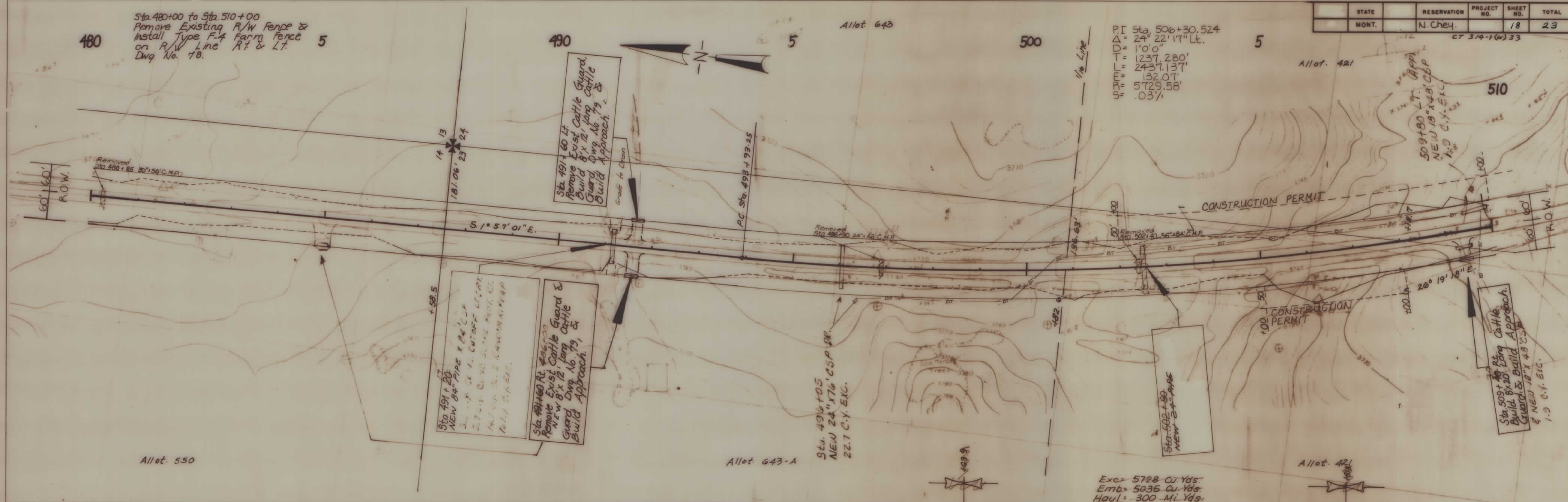
5

Allot. 421

STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		18	23

CT 3/4-1(4)33

510

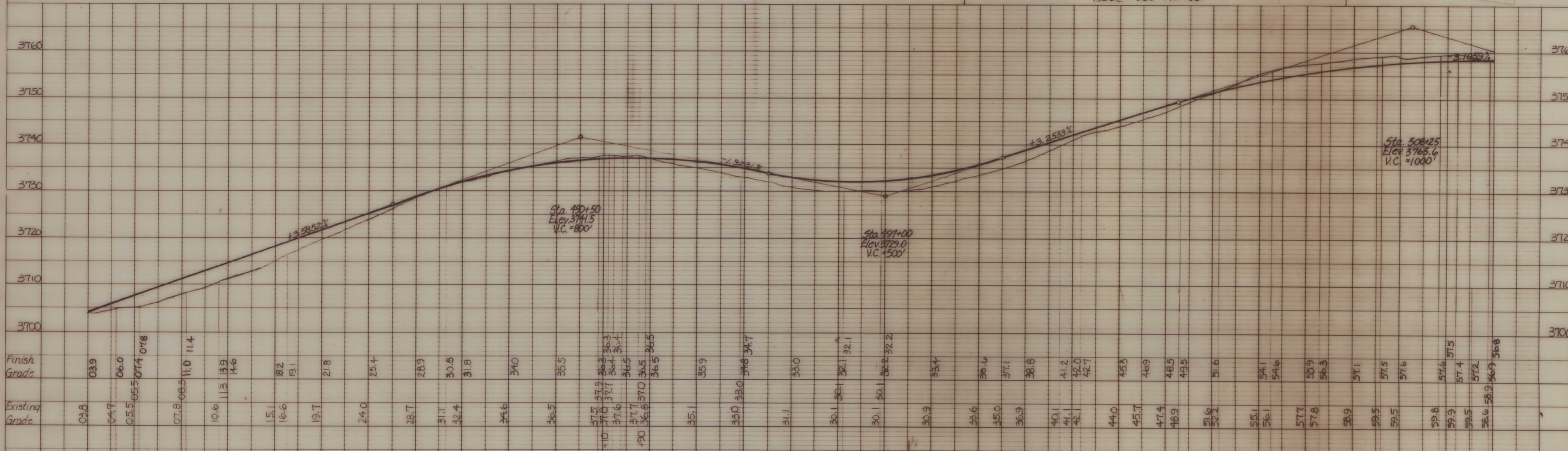


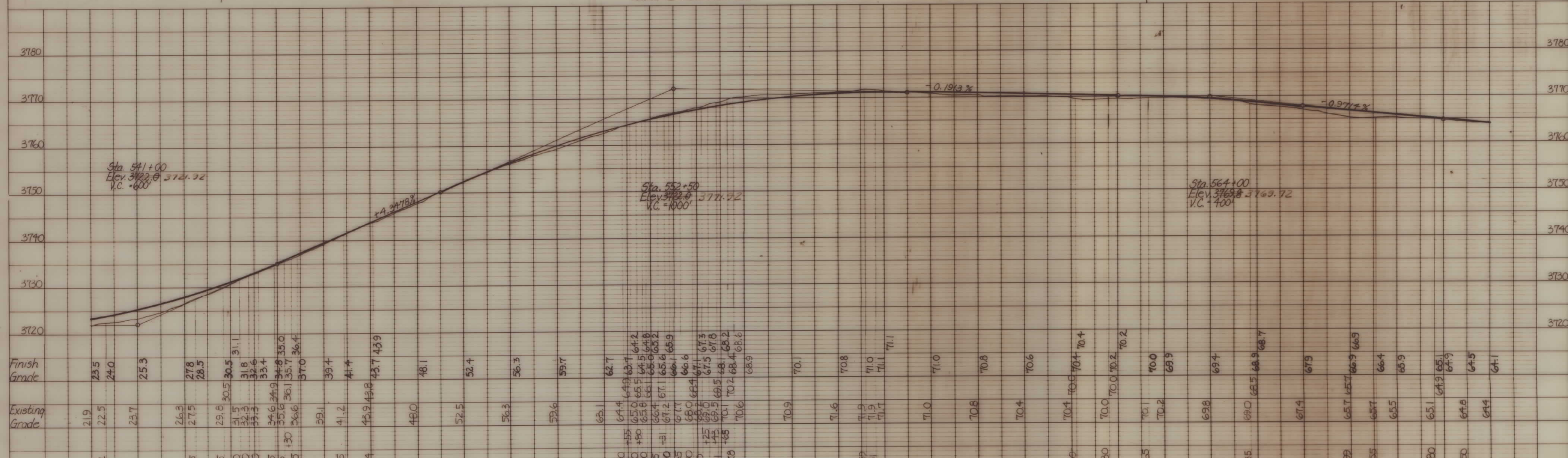
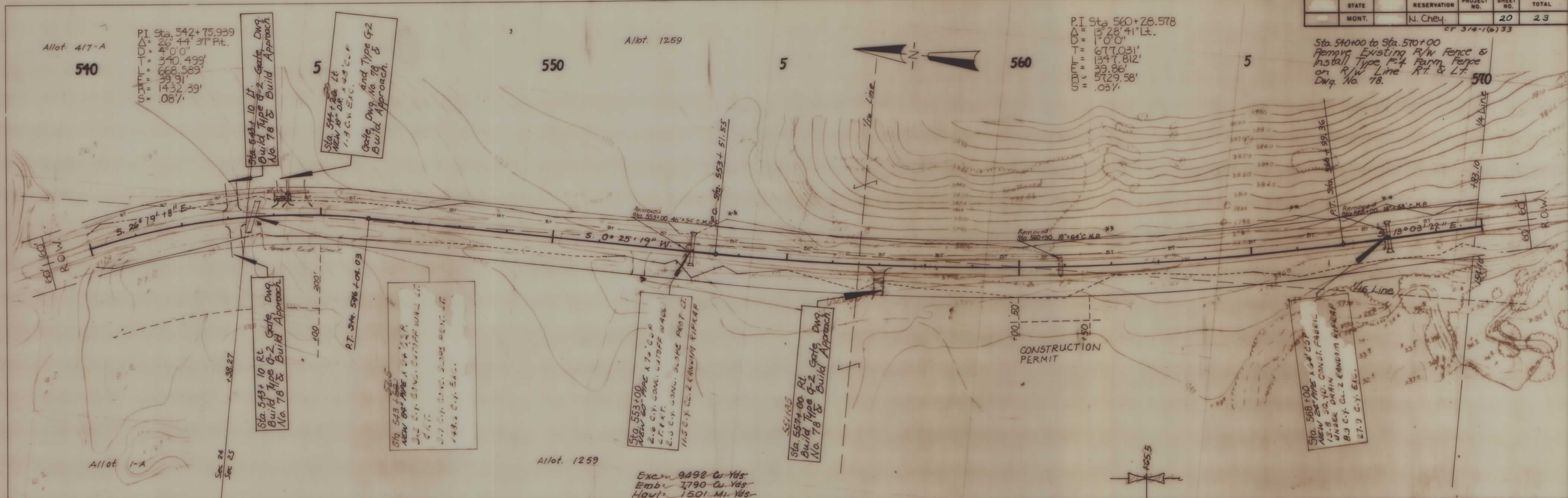
Allot. 550

Allot. 643-A

Exc = 5728 Cu. Yds.
Emb = 5035 Cu. Yds.
Haul = 300 Mi. Yds.

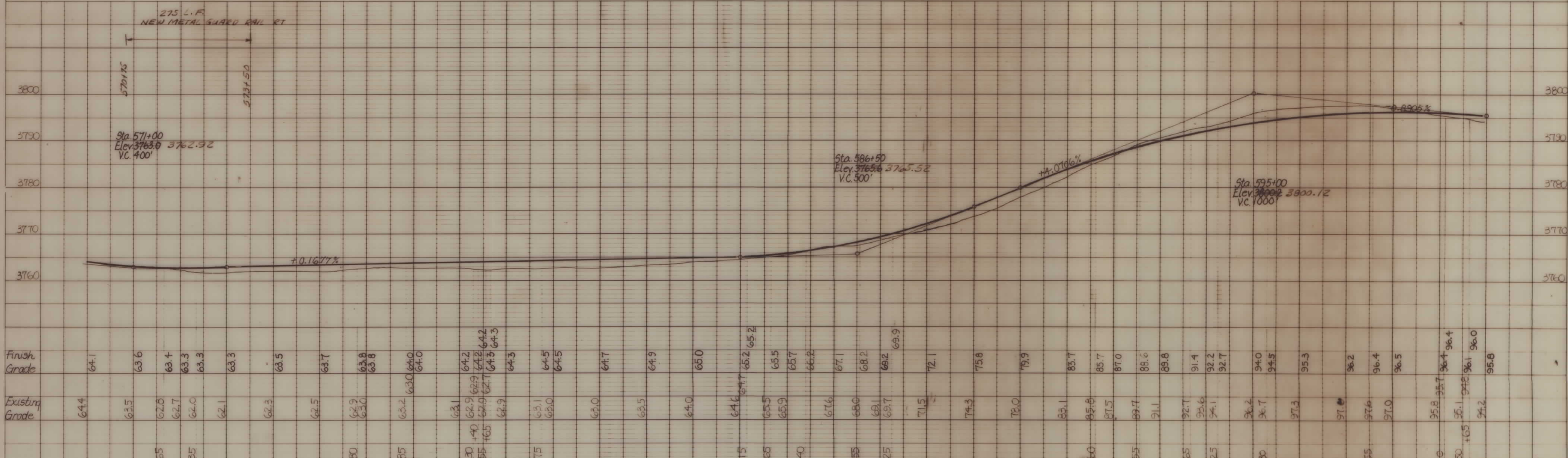
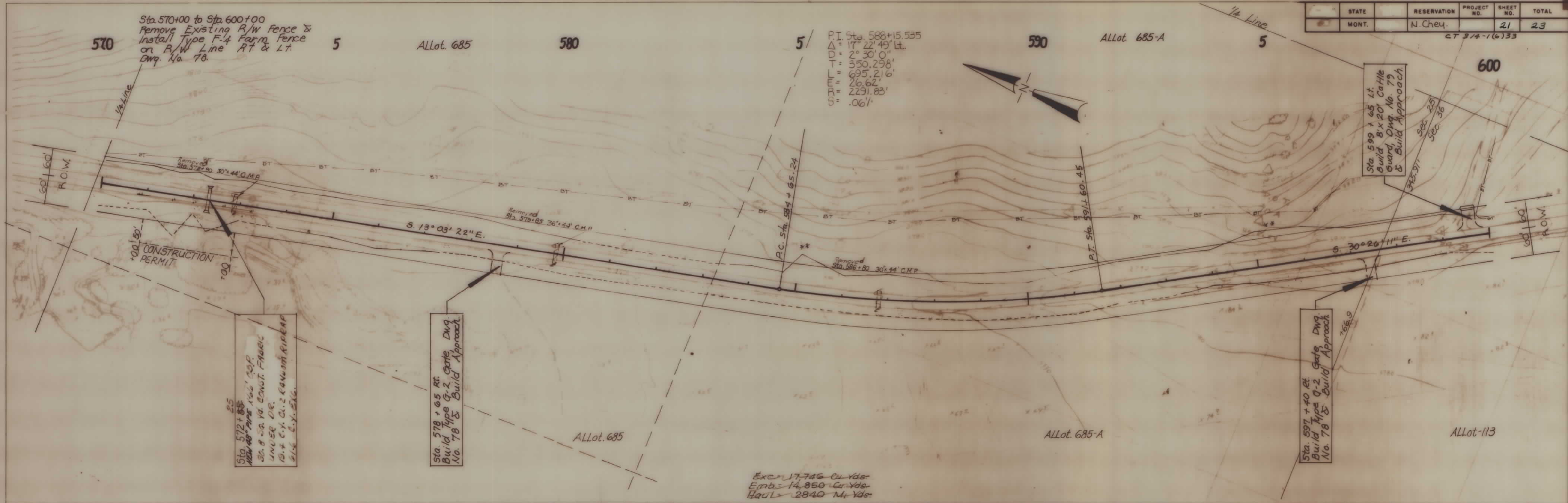
Allot. 421





STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		21	23

CT 3/4-1(6)33

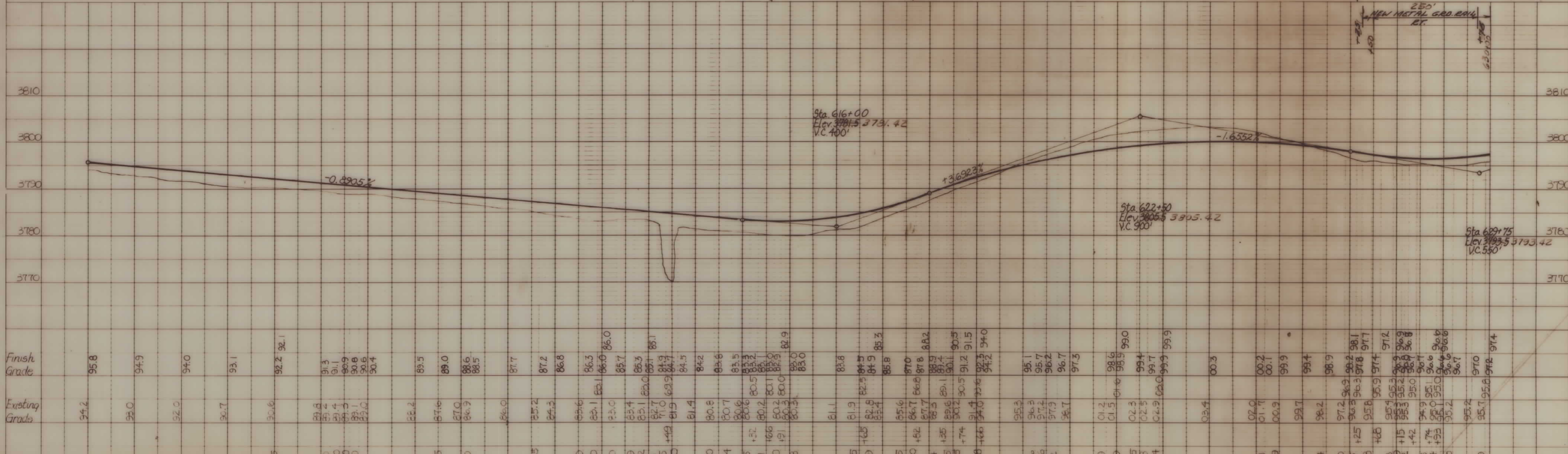
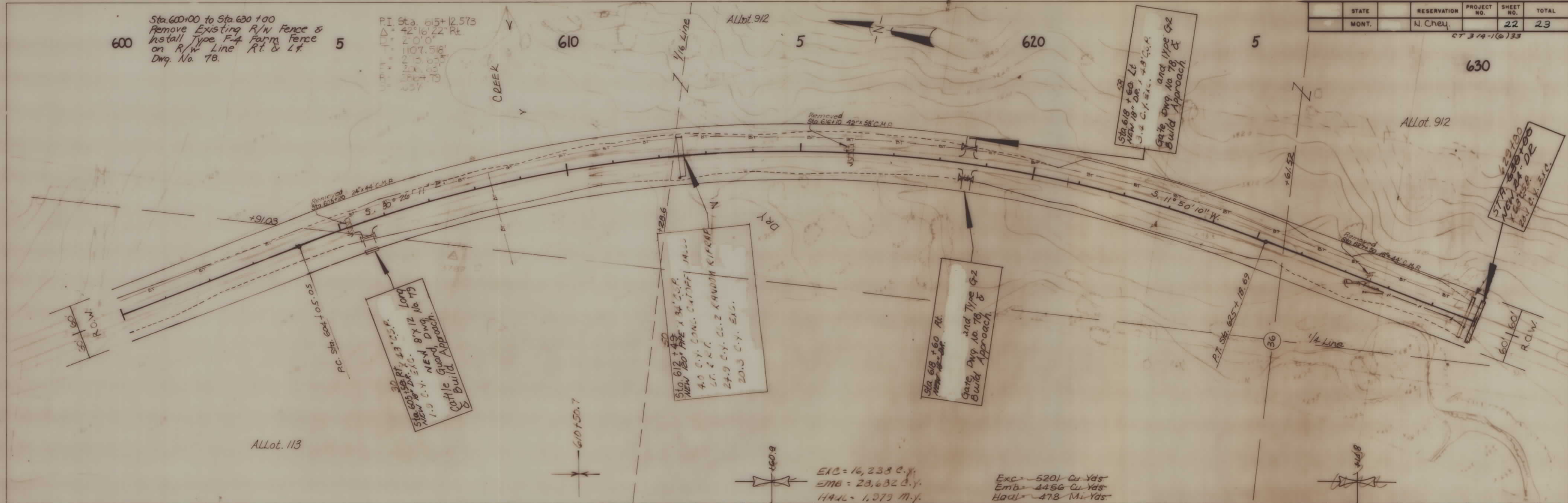


Sta. 600+00 to Sta. 630+00
Remove Existing R/W Fence &
Install Type F-4 Farm Fence
on R/W Line Rt. & Lt.
Dwg. No. 78.

PI Sta. 615+12.573
Δ = 42°16'22" Rt
L = 210.0'
T = 1107.58'
ELEV. 210.0'
210.0'
210.0'

STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		22	23

CT 314-1(6)33



STATE	RESERVATION	PROJECT NO.	SHEET NO.	TOTAL
MONT.	N. Chey.		23	23

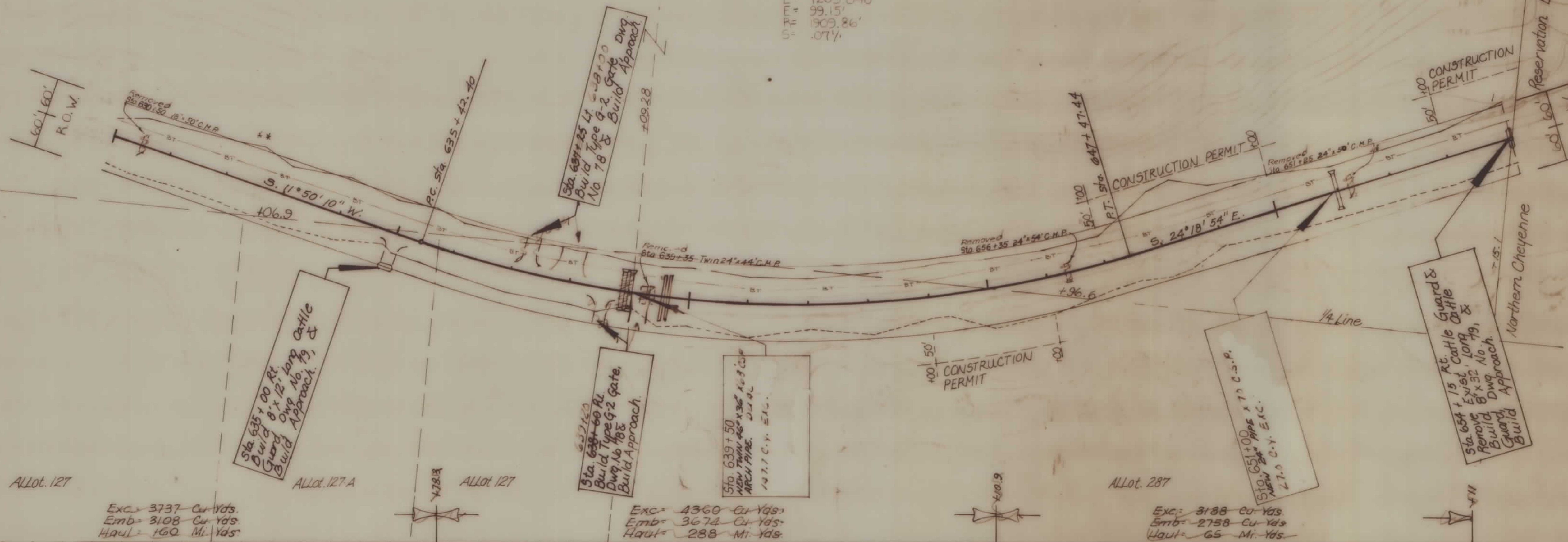
CT 314-1(6)33

Sta. 630+00 to Sta. 654+111
Remove Existing R/W Fence &
Install Type F-4 Farm Fence
on R/W Line Rt. & Lt.
Dwg. No. 78.

ALLot. 912

ALLot. 912

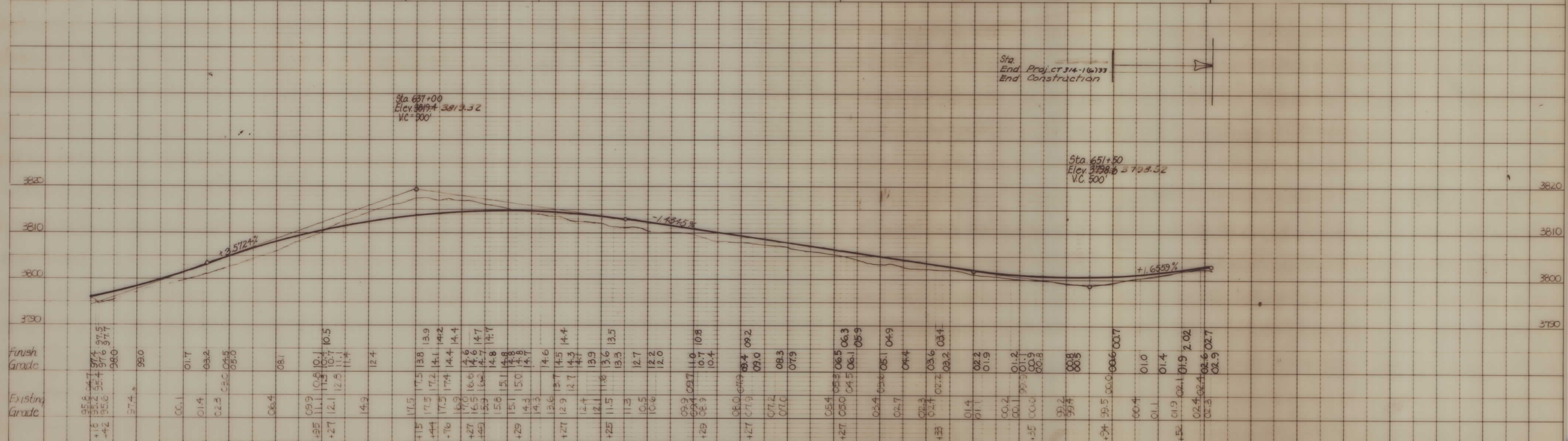
PT. 64+65.738
Δ = 38° 5' 4" LT.
D = 3° 0' 0"
T = 622.338'
L = 1205.040'
S = 99.15'
E = 1909.86'
DTY.



Exc. = 3737 Cu. Yds.
Emb. = 3108 Cu. Yds.
Haul = 160 Mi. Yds.

Exc. = 4360 Cu. Yds.
Emb. = 3674 Cu. Yds.
Haul = 288 Mi. Yds.

Exc. = 3188 Cu. Yds.
Emb. = 2758 Cu. Yds.
Haul = 65 Mi. Yds.



Sta. 630+00
Elev. 3794.32
VC = 300'

Sta. 651+50
Elev. 3798.63
VC = 500'

Finish Grade

Existing Grade