PROJ. REFERENCE NO.	SHEET NO.
B-4299	X-1

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CROSS-SECTION SUMMARY

Station	Uncl. Exc. (cu. yd.)	Embt (cu. yd.)
-L-		
18+45.00	0	0
18+70.00	0	0
19+00.00	25	1
19+50.00	80	1
20+00.00	70	2
20+50.00	38	7
21+00.00	33	17
21+50.00	31	22
22+00.00	12	64
22+35.00 (BEG. BRIDGE)	6	38
23+05.00 (END BRIDGE)	6	38
23+50.00	11	66
24+00.00	40	118
24+50.00	56	68
25+00.00	36	23
-DET-		
13+50.00	3	4
14+00.00	7	13
14+50.00	8	19
15+00.00	8	22
15+50.00	7	27
16+00.00	8	24
16+50.00	11	11
TOTAL	**496**	**585**

Approximate quantities only. Unclassified Excavation, Borrow Excavation, Shoulder Borrow, Fine Grading, Clearing and Grubbing, and Removal of Existing Pavement will be paid for at the contract lump sum price for "Grading."

RAMEY KEMP & ASSOCIATES, INC.
TRANSPORTATION ENGINEERS
www.rameykemp.com

PROJECT REFERENCE NO.	SHEET NO.
B-4299	X-2

70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

280

270

2.40 %

4.40 %

EP

EP

STA. 18+50
EL. 272.67

BEGIN PROJECT -L- STA. 18+45.00

280

270

EP

EP

STA. 18+00
EL. 274.25

280

270

EP

EP

STA. 17+50
EL. 275.84

70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

#TIME# #DATE# #TIME# #DATE# #FILE#

0 5	PROJECT REFERENCE NO.	SHEET NO.
	B-4299	X-3

70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

280
270
260

G.P. = 268.83

2:1 2.89 % 4.57 % 2:1

EP EP

STA. 20+00
EL. 268.44

280
270
260

G.P. = 269.88

2:1 2.78 % MATCH EXIST 5.80 % MATCH EXIST 4:1 2:1

EP EP

STA. 19+50
EL. 269.68

280
270
260

G.P. = 271.31

2.50 % MATCH EXIST 5.30 % MATCH EXIST 4:1 2:1

EP EP

STA. 19+00
EL. 271.10

70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

#FILE# #OUTER# #TIME#

0 5	PROJECT REFERENCE NO.	SHEET NO.
	B-4299	X-4

70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

270

260

TIE TO EXISTING DRIVEWAY

12.5:1

3.00 %

3.00 %

2:1

EP

EP

G.P. = 267.70

STA. 21+50
EL. 266.88

END SPECIAL LATERAL DITCH
STA. 21+35 LT. ELEV.= 264.20

G.P. = 267.86

3:1

3:1

264.31

3.00 %

3.00 %

12.5:1

TIE TO EXISTING DRIVEWAY

EP

EP

STA. 21+00
EL. 267.07

BEGIN SPECIAL LATERAL DITCH
STA. 20+75 LT. ELEV.= 264.50

280

G.P. = 268.16

TIE TO EXISTING DRIVEWAY

12.5:1

2.86 %

3.00 %

2:1

EP

EP

STA. 20+50
EL. 267.48

70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

0 5	PROJECT REFERENCE NO.	SHEET NO.
	B-4299	X-5

70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

G.P. = 267.05

270 260

2:1 3.00 % 3.00 % 2:1

EP EP

STA. 23+50
EL. 266.69

END BRIDGE STA. 23+05.00

G.P. = 267.22

270 260

EP EP

STA. 23+00
EL. 266.75

BEGIN BRIDGE STA. 22+35.00

END 4' LATERAL BASE DITCH
STA. 22+45 LT. ELEV. = 258.00

G.P. = 267.54

270 260

2:1 3.00 % 3.00 % 2:1

EP EP

3:1 3:1

258.56

STA. 22+00
EL. 266.89

BEGIN 4' LATERAL BASE DITCH
STA. 22+00 LT. ELEV. = 258.56

70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

0 5	PROJECT REFERENCE NO.	SHEET NO.
	B-4299	X-6

70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

END CONSTRUCTION -L- STA. 26+00.00

END SPECIAL LATERAL 'V' DITCH
STA. 25+70 LT. ELEV. = 266.00

270
260

3:1 3:1 EP EP
265.33

STA. 25+50
EL. 266.50

END PROJECT -L- STA. 25+25.00

G.P. = 267.21

0.83 % 4.02 %
MATCH EXIST MATCH EXIST

3:1 3:1
263.67

STA. 25+00
EL. 267.00

G.P. = 266.94

1.42 % 3.00 %

3:1 3:1 EP EP 2:1
262.00

STA. 24+50
EL. 266.73

G.P. = 266.90

3.00 % 3.00 %

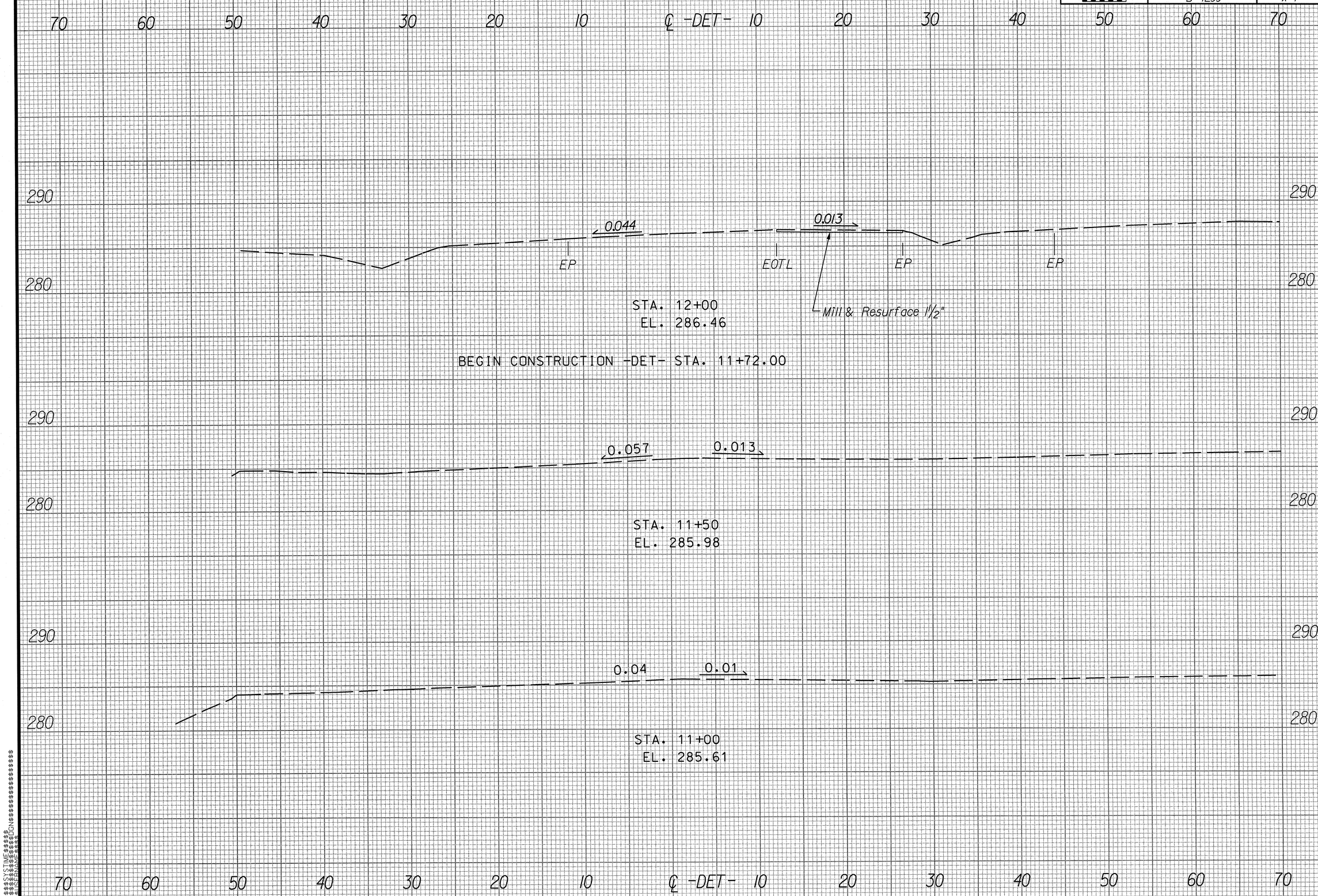
3:1 3:1 EP EP 2:1
261.17

BEGIN SPECIAL LATERAL 'V' DITCH
STA. 24+00 LT.

STA. 24+00
EL. 266.65

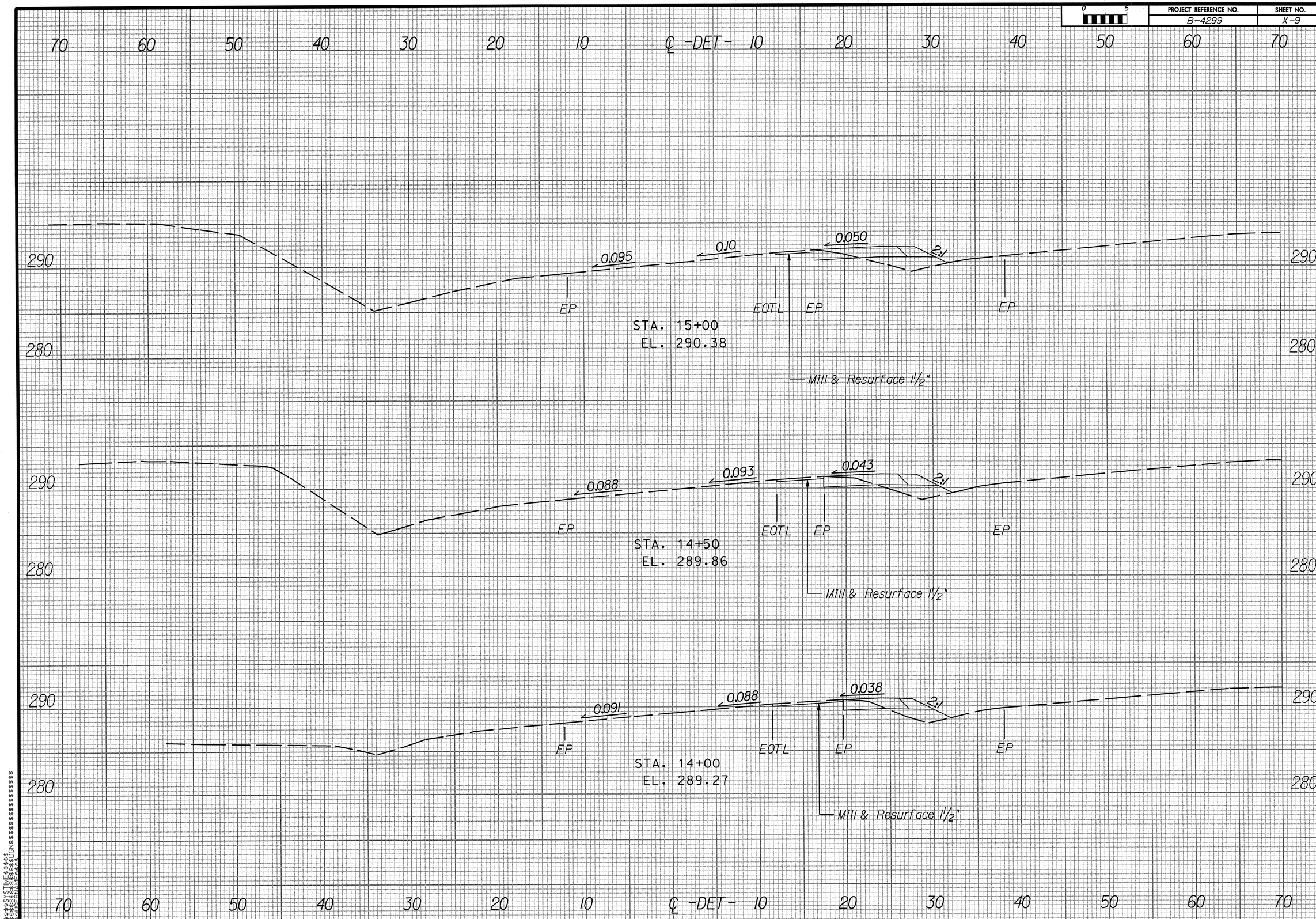
70 60 50 40 30 20 10 ℄ -L- 10 20 30 40 50 60 70

PROJECT REFERENCE NO.	SHEET NO.
B-4299	X-7

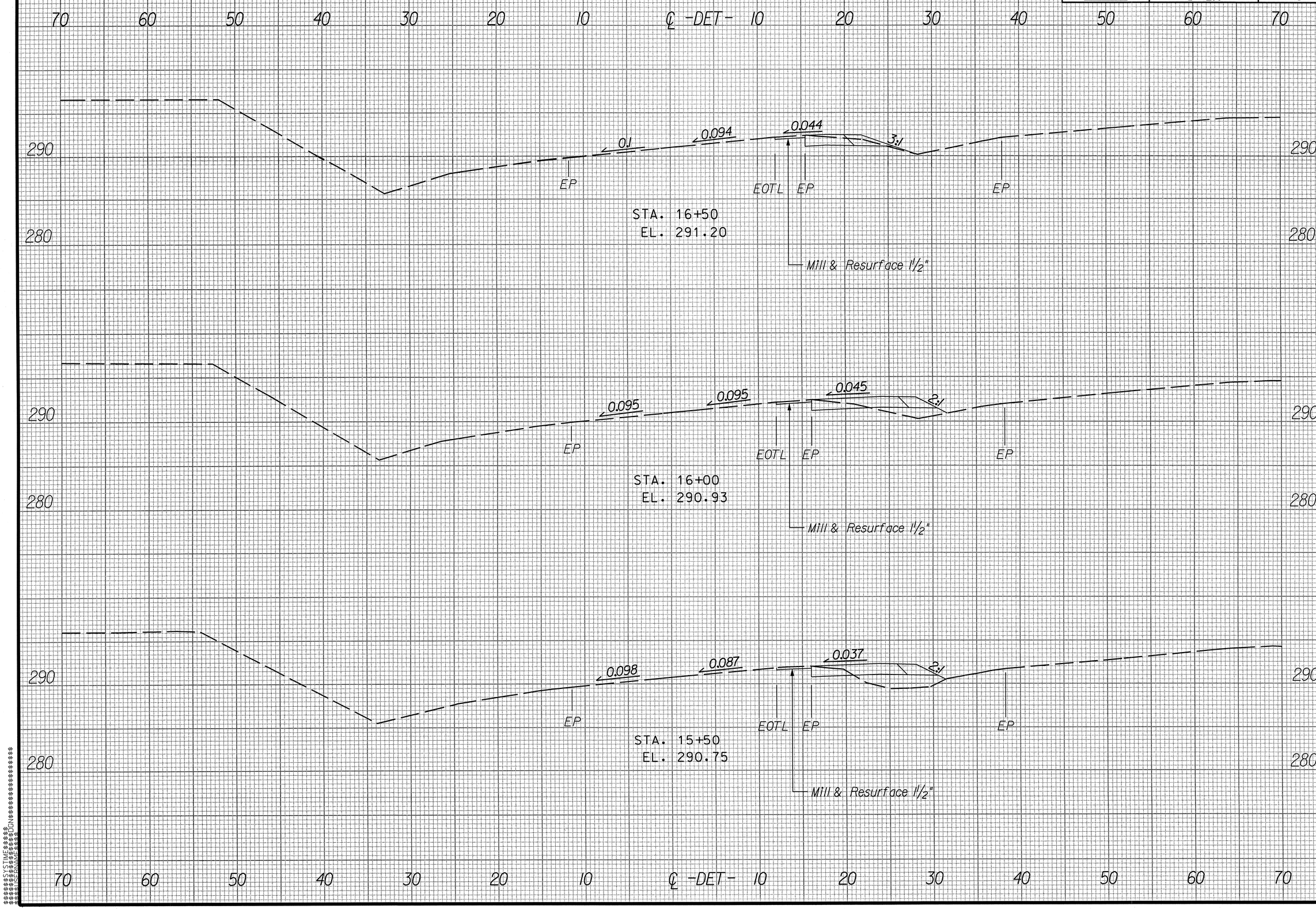


PROJECT REFERENCE NO.	SHEET NO.
B-4299	X-8

PROJECT REFERENCE NO.	SHEET NO.
B-4299	X-9



PROJECT REFERENCE NO.	SHEET NO.
B-4299	X-10



70 60 50 40 30 20 10 ℄ -DET- 10 20 30 40 50 60 70
END CONSTRUCTION -DET- STA. 17+02.00
0.1
0.098
290
280
EP
EOTL
EP
STA. 17+00
EL. 291.46
70 60 50 40 30 20 10 ℄ -DET- 10 20 30 40 50 60 70