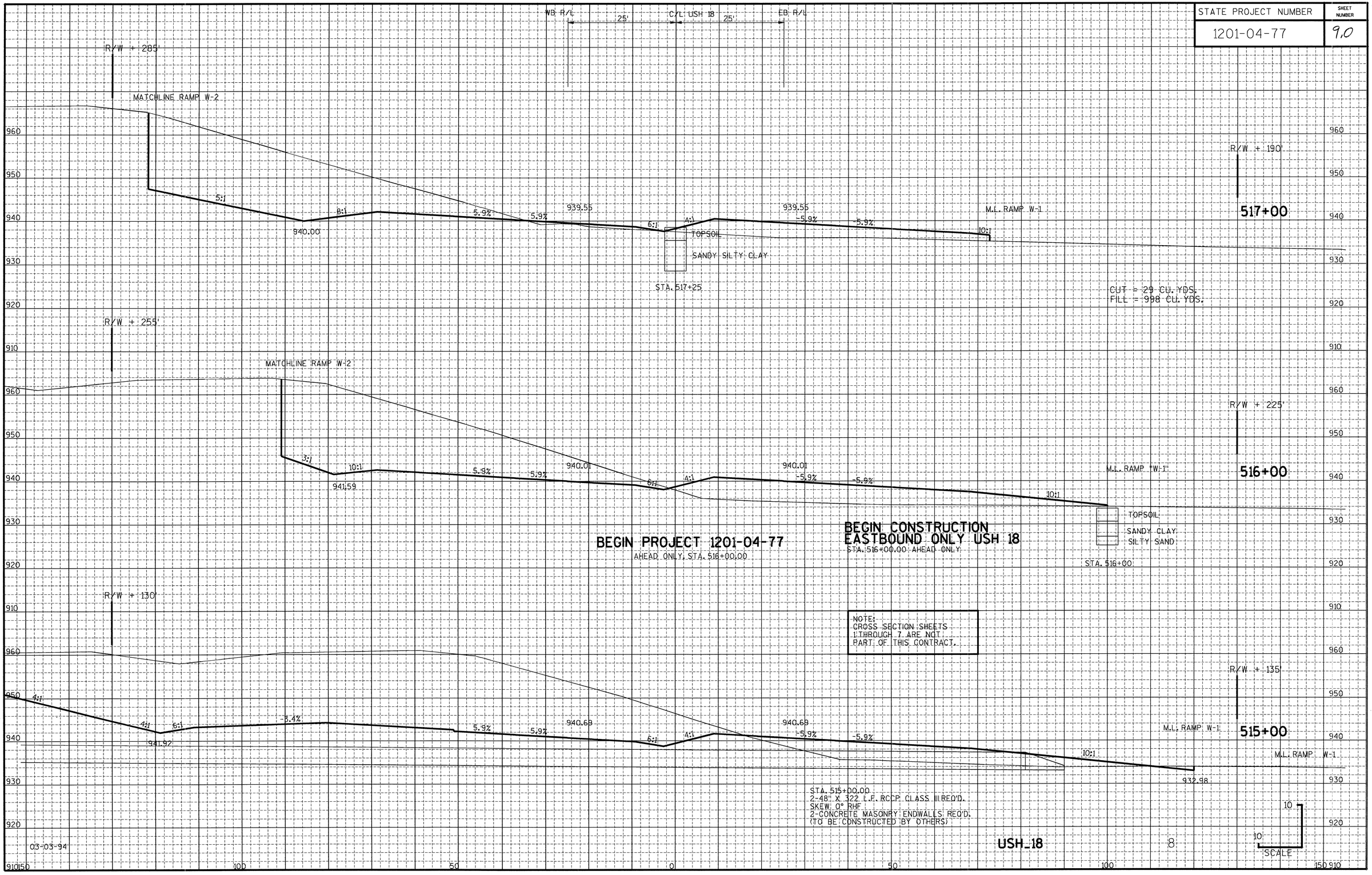
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.0



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.1

WB R/L 25' C/L USH 18 25' EB R/L

R/W + 480'

STA. 521+00.00 TO STA. 544+65.00
CONSTRUCT INTERCEPTING EMBANKMENT
(SEE SDD)

CONSTRUCT SODDED
BACKSLOPE FLUME (SEE SDD)
BOTTOM WIDTH 10'

2.5:1 4:1 6:1 5.9% 5.9% 941.84 943.08 6:1 4:1 941.84 -5.9% -5.9% 6:1 4:1 4:1 937.80

R/W

521+00

CUT = 7349 CU. YDS.

STA. 521+00.77 LT.
1 - TYPE 9-MS INLET REQ'D
INV. 934.00

P114b
STA. 521+00 LT. TO 520+00
1 - 24" x 122 L.F. RCCP CLASS III REQ'D
SKEW 50° LHF

ROCK LINE

R/W + 420'

STRUCTURE B-13-404
ABUTMENT

TOPSOIL
SILTY CLAY
SILTY SAND
SILTY CLAY

5.9% 5.9% 940.78 6:1 4:1 940.78 -5.9% -5.9% 6:1 4:1 4:1 936.80

R/W

520+00

CUT = 7311 CU. YDS.
FILL = 654 CU. YDS.

P114b
STA. 521+00 LT. TO 520+00
1 - 24" x 122 L.F. RCCP CLASS III REQ'D
SKEW 50° LHF
INV. 933.50

STA. 520+00, 2.7' LT.
1 - TYPE 9-MS INLET REQ'D
INV. 932.50

ROCK LINE

P114c
STA. 520+00 TO 518+00, 260' RT
1 - 36" x 330 L.F. RCCP CLASS IV REQ'D
SKEW 38° RHB
INV. 932.00
1 - APRON ENDWALL REQ'D

R/W + 370'

8:1 34:1 5.9% 5.9% 939.93 940.99 6:1 4:1 939.93 -5.9% -5.9%

TOPSOIL
SANDY CLAY
SILTY CLAY
CLAYEY SILT

STA. 519+50

R/W + 90'

STRUCTURE B-13-404
ABUTMENT

519+00

CUT = 6379 CU. YDS.
FILL = 662 CU. YDS.

R/W + 320'

7:1 5.9% 5.9% 939.53 939.0 6:1 4:1 939.53 -5.9% -5.9% 936.82

M.L. RAMP W-1

TOPSOIL
SILTY SAND
SANDY CLAY

R/W + 175'

518+00

CUT = 100 CU. YDS.
FILL = 382 CU. YDS.

STA. 518+00.87' LT.
1 - TYPE 9-MS INLET REQ'D
INV. 935.00

BEGIN CONSTRUCTION
WESTBOUND USH 18 ONLY
STA. 518+00.00 AHEAD ONLY

P110a
STA. 518+00
1 - 24" x 84 L.F. RCCP CLASS III REQ'D
SKEW 0° RHF

STA. 518+00, 2.7' LT.
1 - TYPE 9-MS INLET REQ'D
INV. 934.00

P110d
STA. 518+00 TO 517+50, 301' RT.
1 - 24" x 306 L.F. RCCP CLASS IV REQ'D
SKEW 9° RHB
INV. 931.50
1 - APRON ENDWALL REQ'D

USH 18

STA. 518+53

SCALE

03-03-94

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.2

WB R/L — 25' — C/L USH 18 — 25' — EB R/L

R/W +80'

TOPSOIL
SANDY CLAY
SANDSTONE
ROCK LINE
2.5:1
4:1
6:1
945.20
5.9%
5.9%
943.95
STA. 523+00

TOPSOIL
SANDY CLAY
SANDSTONE
ROCK LINE
943.95
STA. 523+00

R/W
TOPSOIL
SILTY CLAY
SANDY DOLOMITE BEDROCK
938.60
STA. 523+00
523+00
CUT = 9730 CU. YDS.
ROCK = 3000 CU. YDS.

R/W + 630'

2.5:1
4:1
6:1
944.14
5.9%
5.9%
942.90
ROCK LINE
942.90
R/W
522+00
CUT = 3970 CU. YDS.
ROCK = 500 CU. YDS.

R/W + 580'

2.5:1
4:1
6:1
943.66
5.9%
5.9%
942.42
ROCK LINE
942.42
R/W
521+55
CUT = 4651 CU. YDS.

03-03-94

USH 18

10

SCALE

960 950 940 930 920

920 50 100 50 0 50 100 150 920

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.3

WB R/L — 25' — C/L USH 18 — 25' — EB R/L

R/W + 85'

TOPSOIL

5:1

CONSTRUCT SODDED BACKSLOPE FLUME (SEE SDD) BOTTOM WIDTH 10'

SANDY CLAY

DOLOMITE BEDROCK

AUGER REFUSAL 947.27

STA. 525+00

4:1 6:1 5.9% 5.9% 946.02 6:1

ROCK LINE

APPROXIMATE ELEVATION

TOPSOIL

SANDY CLAY

CLAY

4:1 946.02 5.9% -5.9% 6:1

939.60

TOPSOIL

SILTY CLAY

CLAYEY SAND

SILTY SAND

5:1 4:1 6:1

R/W

525+00

P116
STA. 526+00 TO 525+00, 76' RT.
1 - 24" x 126 LF. RCCP CLASS III REQ'D
SKEW 53° RHB
INV 939.87
1 - APRON ENDWALL REQ'D

STA. 525+00
CUT = 12975 CU. YDS.
ROCK = 3000 CU. YDS.

R/W + 100'

4:1 6:1 5.9% 5.9% 945.02 6:1

946.26

ROCK LINE

4:1 945.02 5.9% -5.9% 6:1

939.10

4:1

R/W

524+00

CUT = 11392 CU. YDS.
ROCK = 4500 CU. YDS.

SCALE 10 10

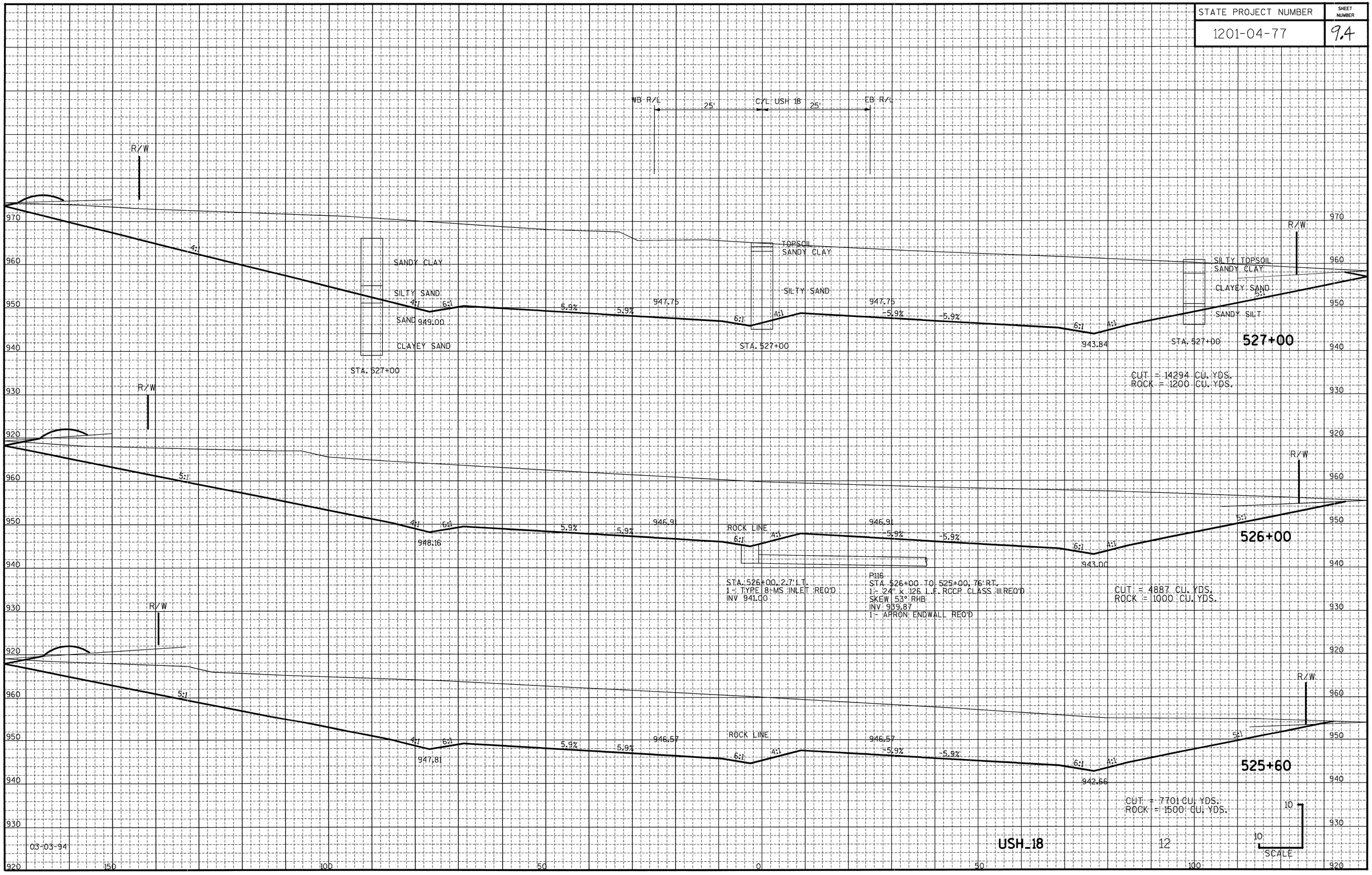
03-03-94

USH_18

11

92050

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.4



03-03-94

USH_18

12

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.5

WB R/L — 25' — C/L USH 18 — 25' — EB R/L

R/W

970 960 950 940 930 920

4:1 4:1 6:1 5.9% 5.9% 6:1 4:1 5.9% 5.9% 6:1 4:1 5:1

949.83 948.59 ROCKLINE 948.59 944.68

528+00

CUT = 8354 CU. YDS.
ROCK = 500 CU. YDS.

R/W

970 960 950 940 930 920

4:1 4:1 6:1 5.9% 5.9% 6:1 4:1 5.9% 5.9% 6:1 4:1 5:1

949.41 948.17 948.17 944.26

527+50

CUT = 5542 CU. YDS.

R/W

970 960 950 940 930 920

4:1 4:1 6:1 5.9% 5.9% 6:1 4:1 5.9% 5.9% 6:1 4:1 5:1

949.15 947.90 947.90 943.99

527+18

CUT = 2993 CU. YDS.

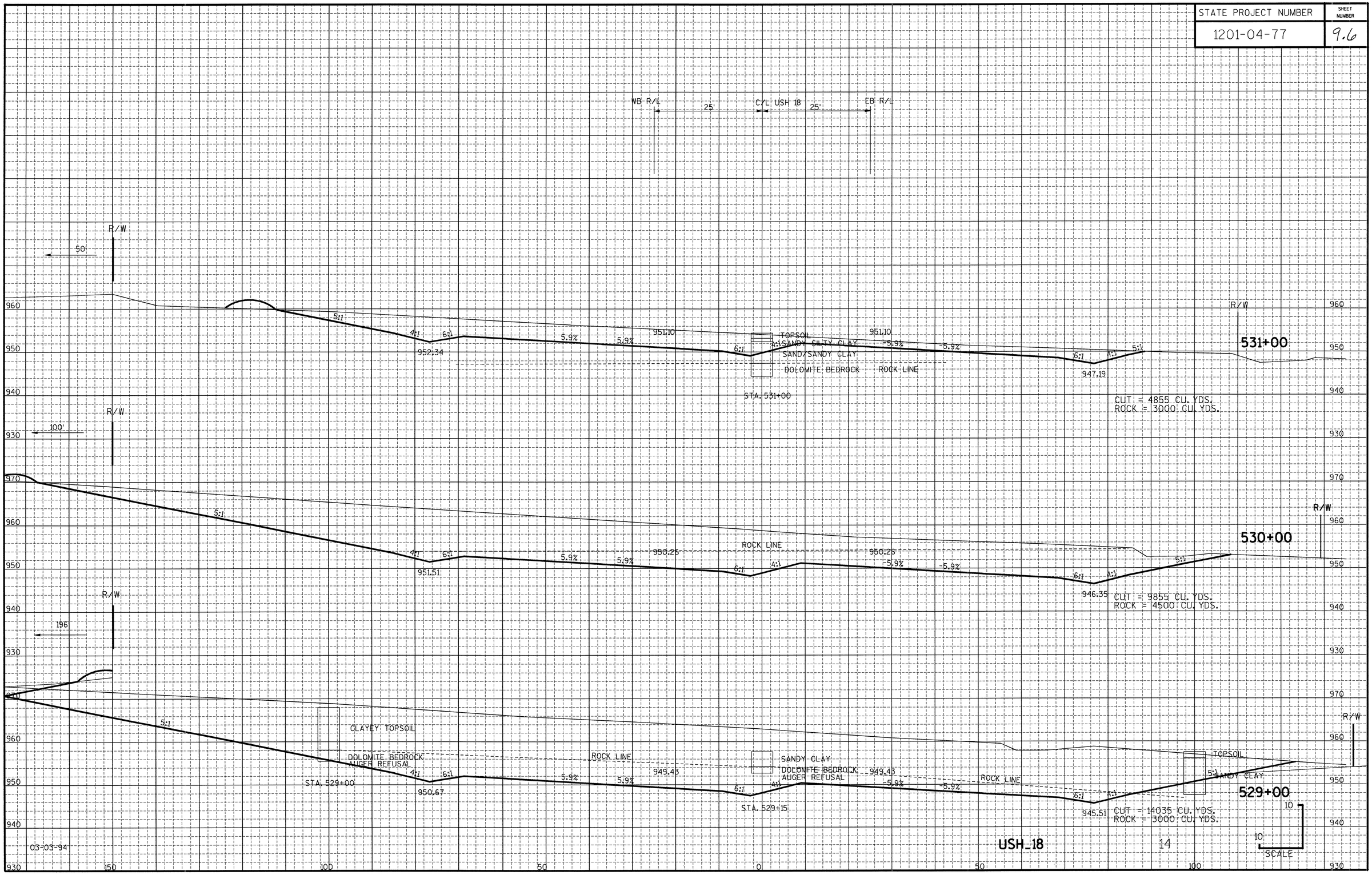
150 100 50 0 50 100

10 / 10 SCALE

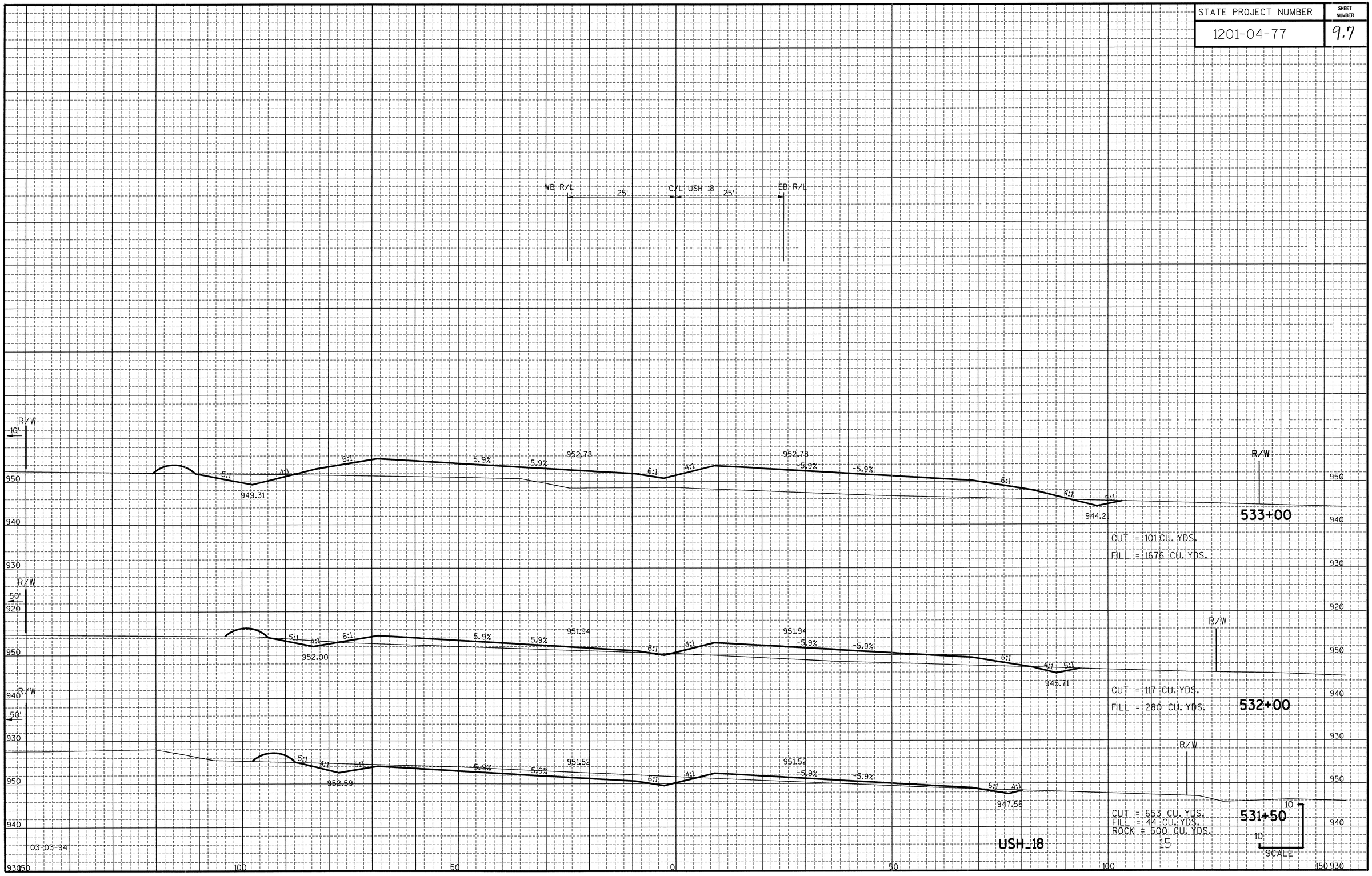
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USH_18 13

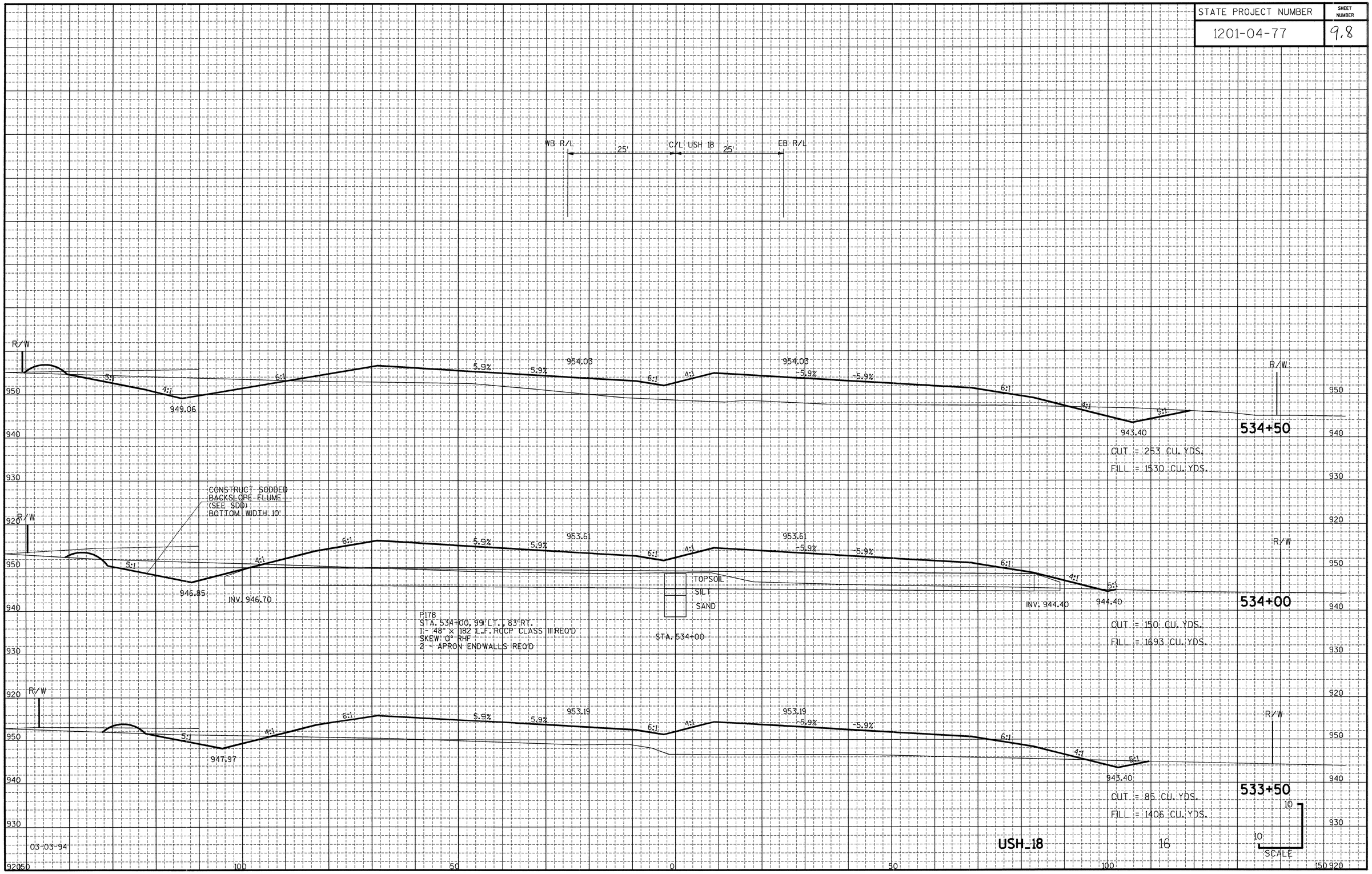
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.6



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.7



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.8



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.9

WB R/L — 25' — C/L USH 18 — 25' — EB R/L

R/W

960
950
940
930

5:1 4:1 6:1 5.9% 5.9% 955.29 955.16

STA. 536+00, 2.7' LT.
1 - TYPE 8 MS INLET REQ'D
INV. 950.30

P 180
STA. 536+00 TO 535+00, 94' RT
1 - 24" x 138 L.F. RCCP, CLASS III REQ'D
SKEW 47° RHB
INV. 944.65
1 - APRON ENDWALL REQ'D

955.29 5.9% 5.9% 6:1 4:1 5:1 947.65

R/W

536+00

CUT = 1018 CU. YDS.
FILL = 68 CU. YDS.

954.74 5.9% 5.9% 953.21 954.74 5.9% 5.9% 6:1 4:1 5:1 945.70

R/W

535+35

CUT = 174 CU. YDS.
FILL = 268 CU. YDS.

954.45 5.9% 5.9% 951.50 954.45 5.9% 5.9% 6:1 4:1 5:1 944.65

INV. 944.65

P 180
STA. 535+00, 94' RT
1-24" x 138 L.F. RCCP, CLASS III REQ'D
SKEW 47° RHB
1 - APRON ENDWALL REQ'D

R/W

535+00

CUT = 245 CU. YDS.
FILL = 971 CU. YDS.

10
10
SCALE

03-03-94

USH_18

920 50 100 50 0 50 100 150 920

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.10

WB R/L 25' C/L USH 18 25' EB R/L

R/W

TOPSOIL

3:1 SANDY CLAY

DOLOMITE BEDROCK

STA. 539+00

958.30

4:1 6:1

ROCK LINE

4.2% 4.2%

957.80

6:1 4:1

TOPSOIL

SANDY CLAY

STA. 539+00

957.80

-4.2% -4.2%

6:1 4:1

954.63

TOPSOIL

SANDY CLAY 5:1

STA. 539+00

539+00

CUT = 12495 CU. YDS.
ROCK = 1500 CU. YDS.

980 970 960 950 940 930

R/W

4:1

4:1 6:1

5.9% 5.9%

958.06

956.96

ROCK LINE

6:1 4:1

956.96

-5.9% -5.9%

6:1 4:1

952.65

5:1

538+00

CUT = 9080 CU. YDS.
ROCK = 1500 CU. YDS.

R/W + 25'

5:1 TOPSOIL SANDY CLAY

CLAYEY SAND

DOLOMITE BEDROCK

STA. 537+00

957.23

4:1 6:1

5.9% 5.9%

956.12

ROCK LINE

6:1 4:1

TOPSOIL

SANDY CLAY

DOLOMITE BEDROCK

STA. 537+00

956.12

-5.9% -5.9%

ROCK LINE

6:1 4:1

949.65

TOPSOIL

SANDY CLAY

5:1

STA. 537+00

537+00

CUT = 4945 CU. YDS.
ROCK = 500 CU. YDS.

150 100 50 0 50 100

SCALE 10 10

03-03-94

USH_18

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.11

WB R/L — 25' — C/L USH 18 — 25' — EB R/L

R/W

970
960
950
940

TOPSOIL
SANDY CLAY
DOLOMITE BEDROCK
AUGER REFUSAL
4:1
6:1
ROCK LINE
-2.0%
2.0%
961.15
STA. 543+00
956.09
STA. 543+20
957.58
5:1

STA. 543+00 **543+00**

CUT = 10767 CU. YDS.
ROCK = 1300 CU. YDS.

3:1
960.31
956.79
958.58

542+00

CUT = 14824 CU. YDS.
ROCK = 1500 CU. YDS.

980
959.47
957.39
957.75

TOPSOIL
SANDY CLAY
DOLOMITE BEDROCK
AUGER REFUSAL
STA. 541+00

541+00

CUT = 16074 CU. YDS.
ROCK = 1500 CU. YDS.

958.64
957.89
956.54
STA. 540+50

540+00

CUT = 15186 CU. YDS.
ROCK = 1500 CU. YDS.

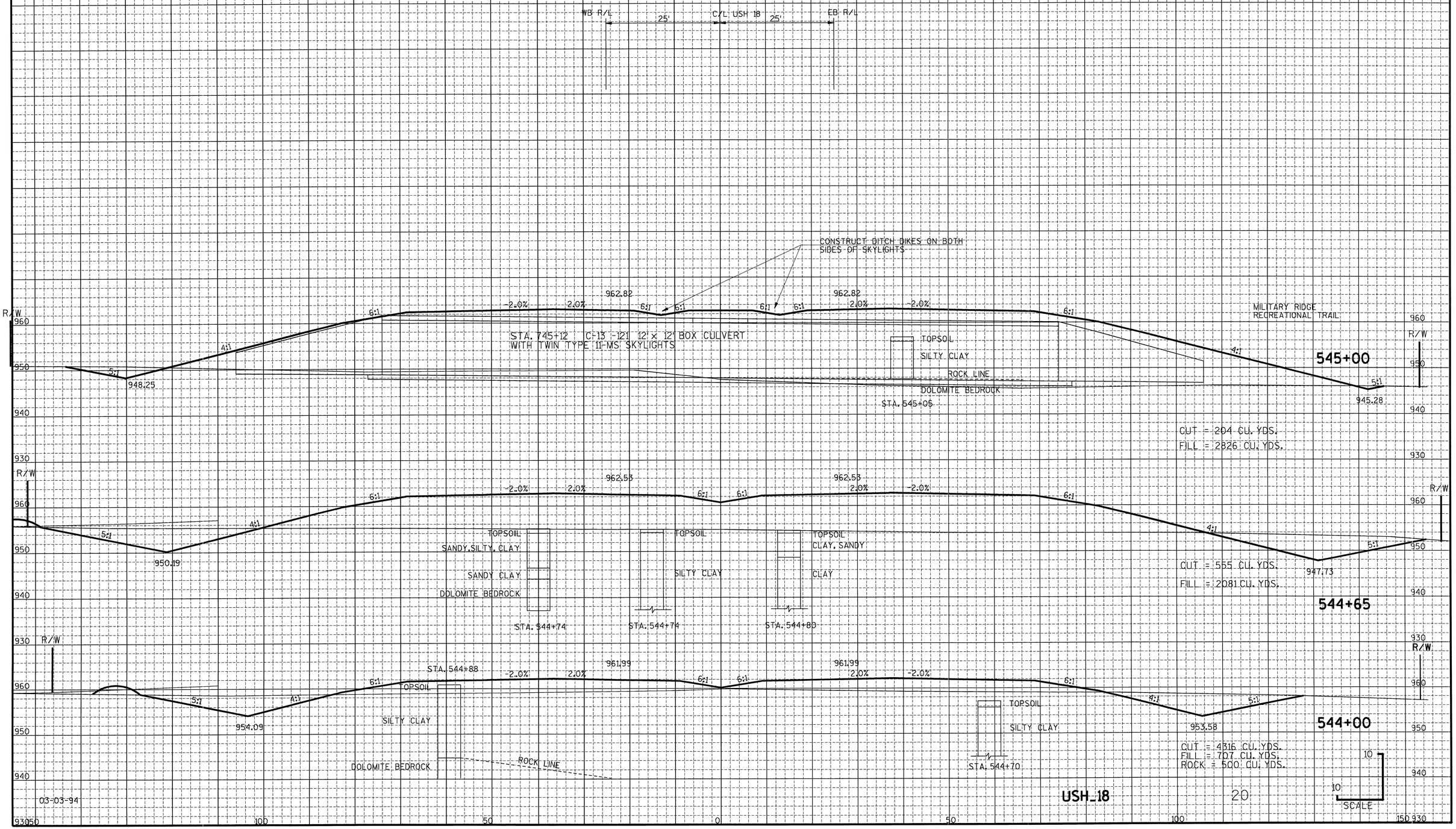
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SCALE 10 10

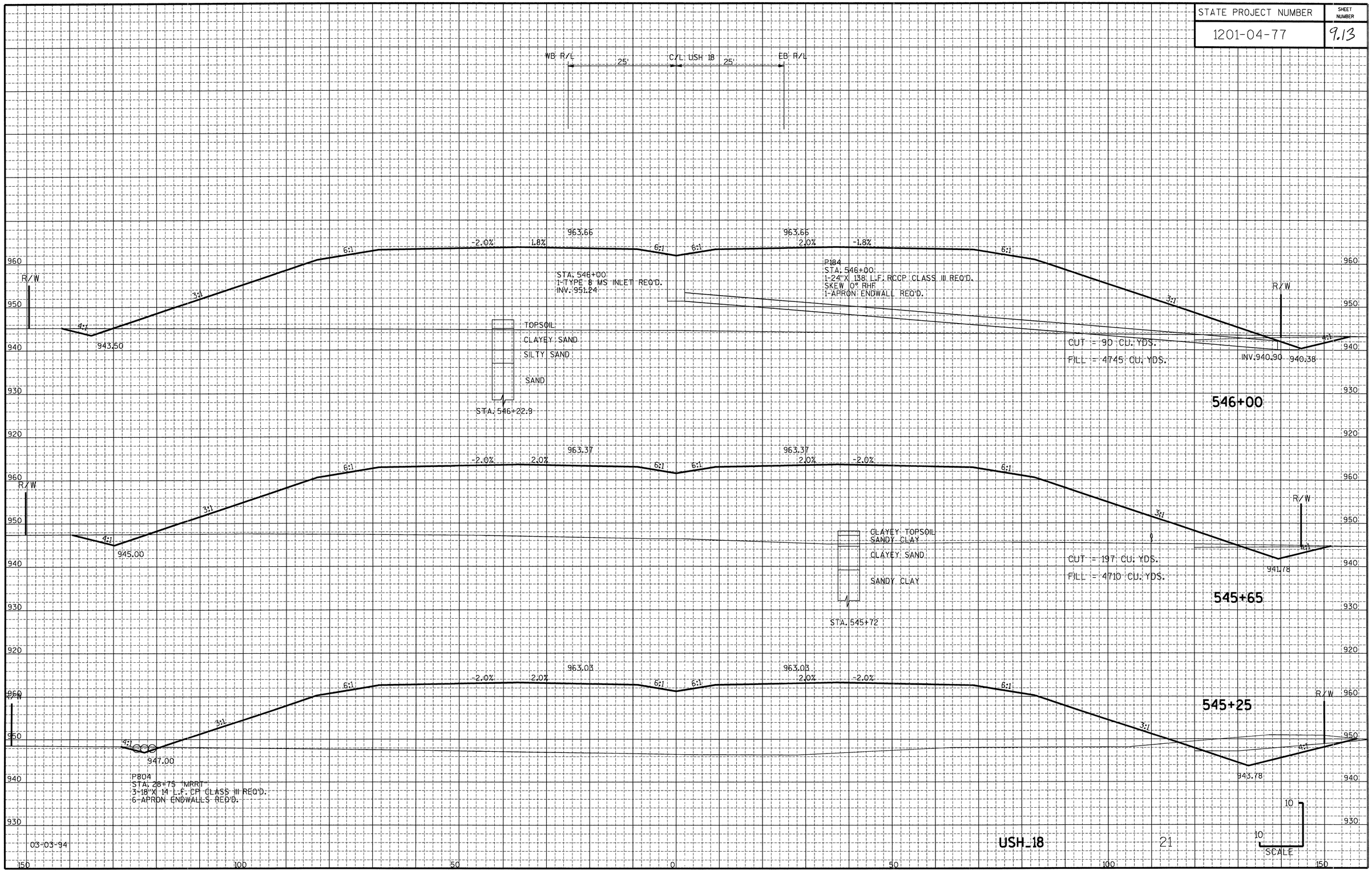
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USH_18

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.12



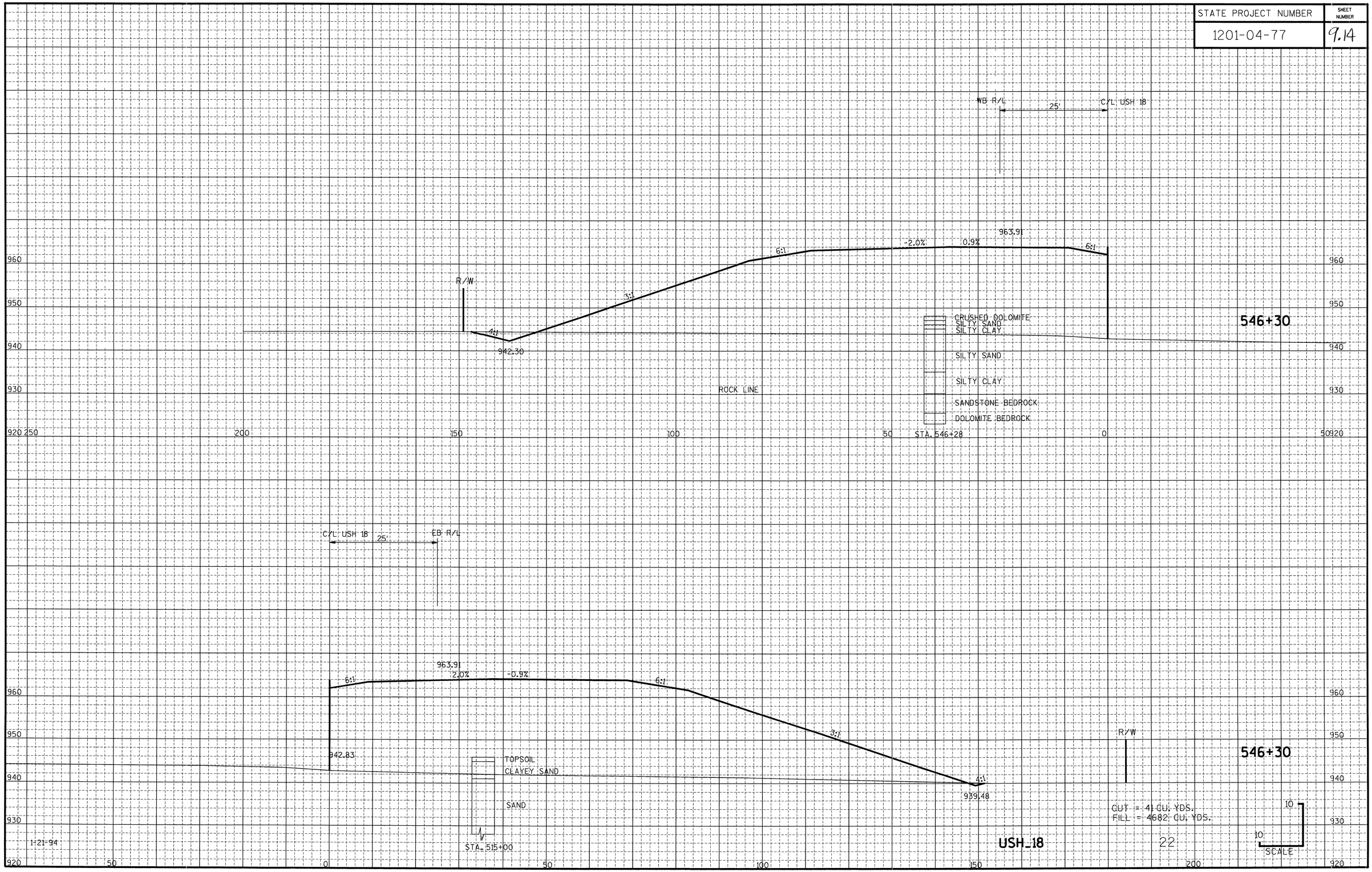
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.13



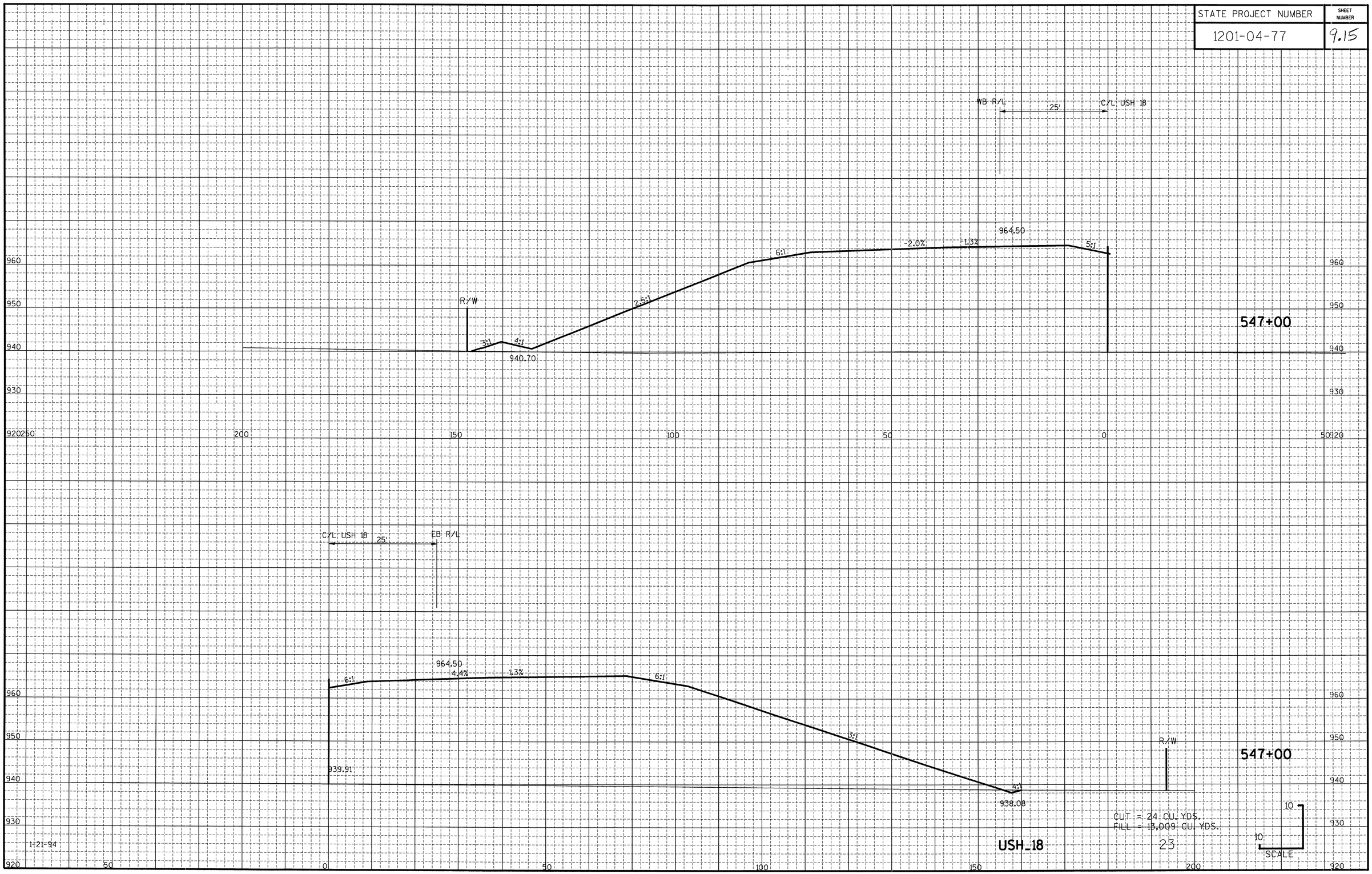
03-03-94

USH_18

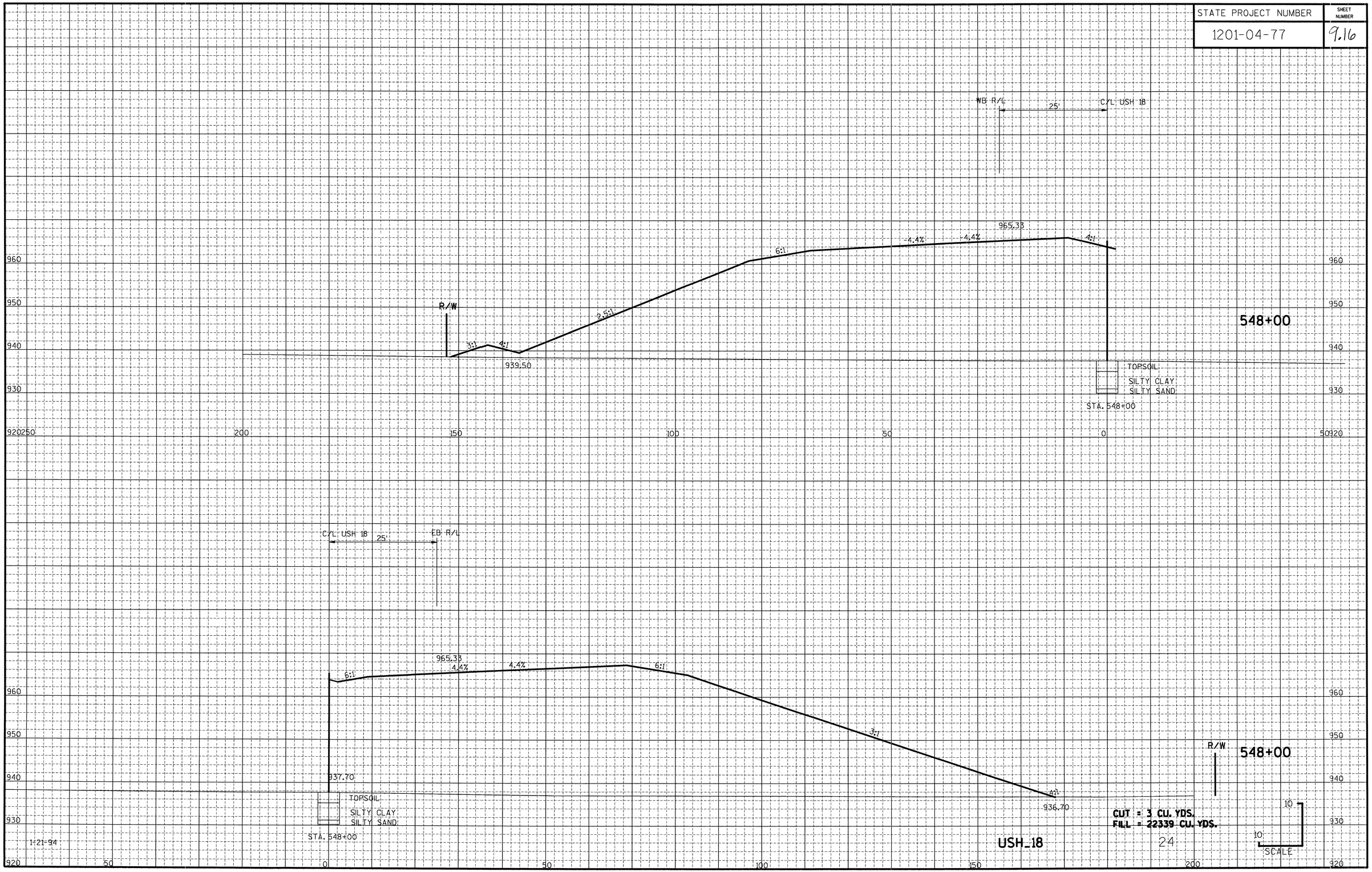
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.14



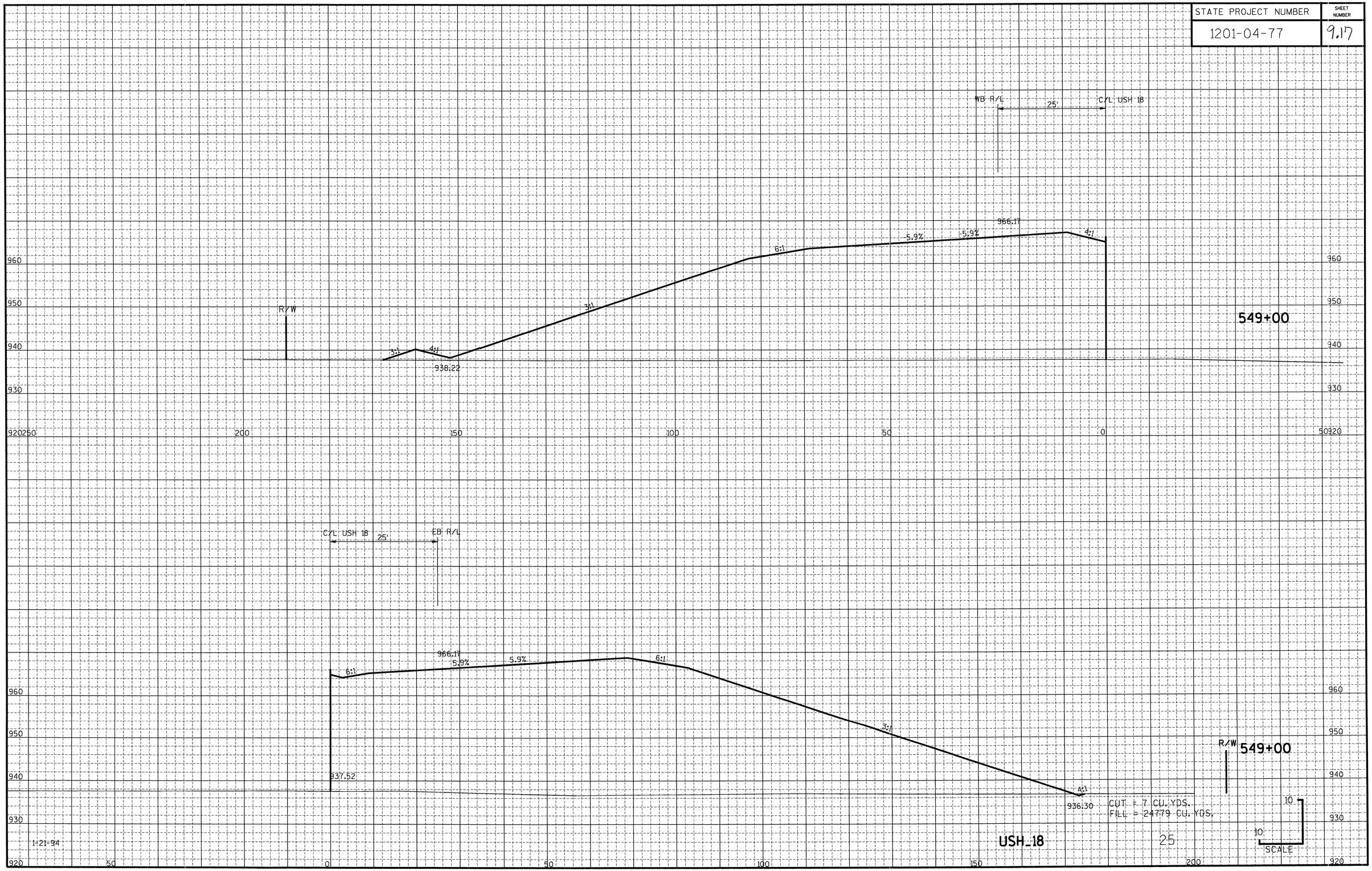
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.15



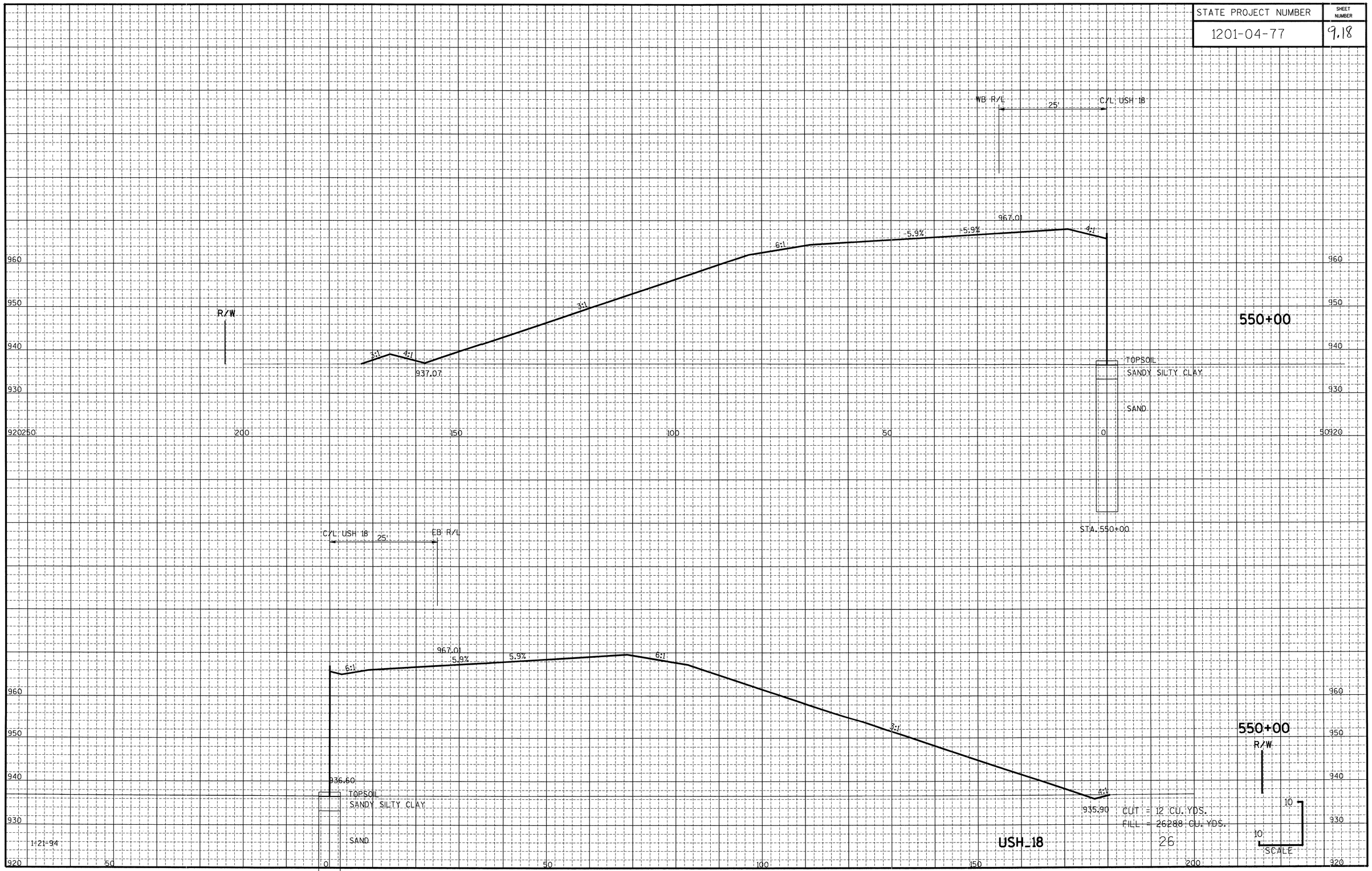
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.16



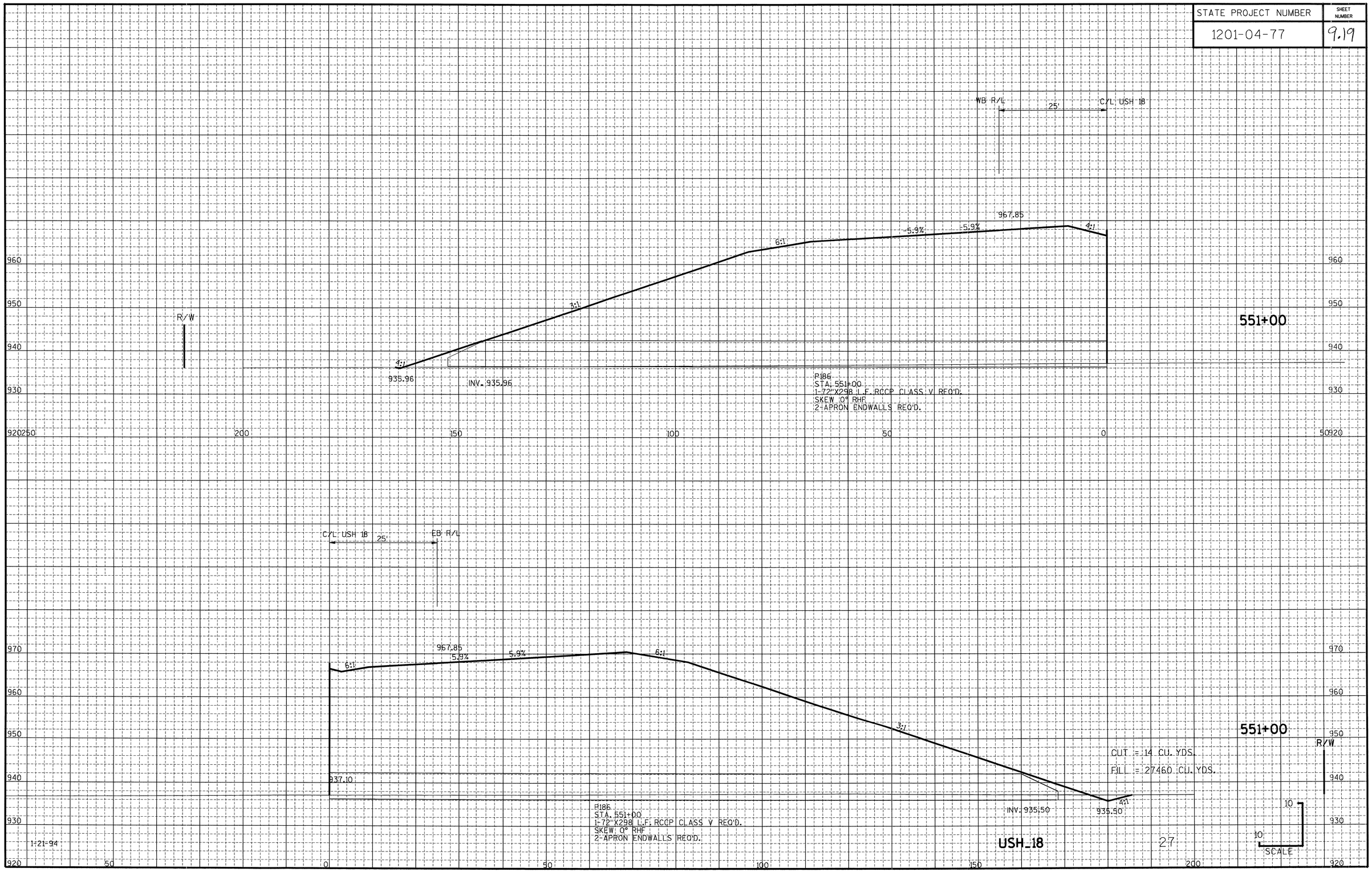
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.17



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.18



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.19

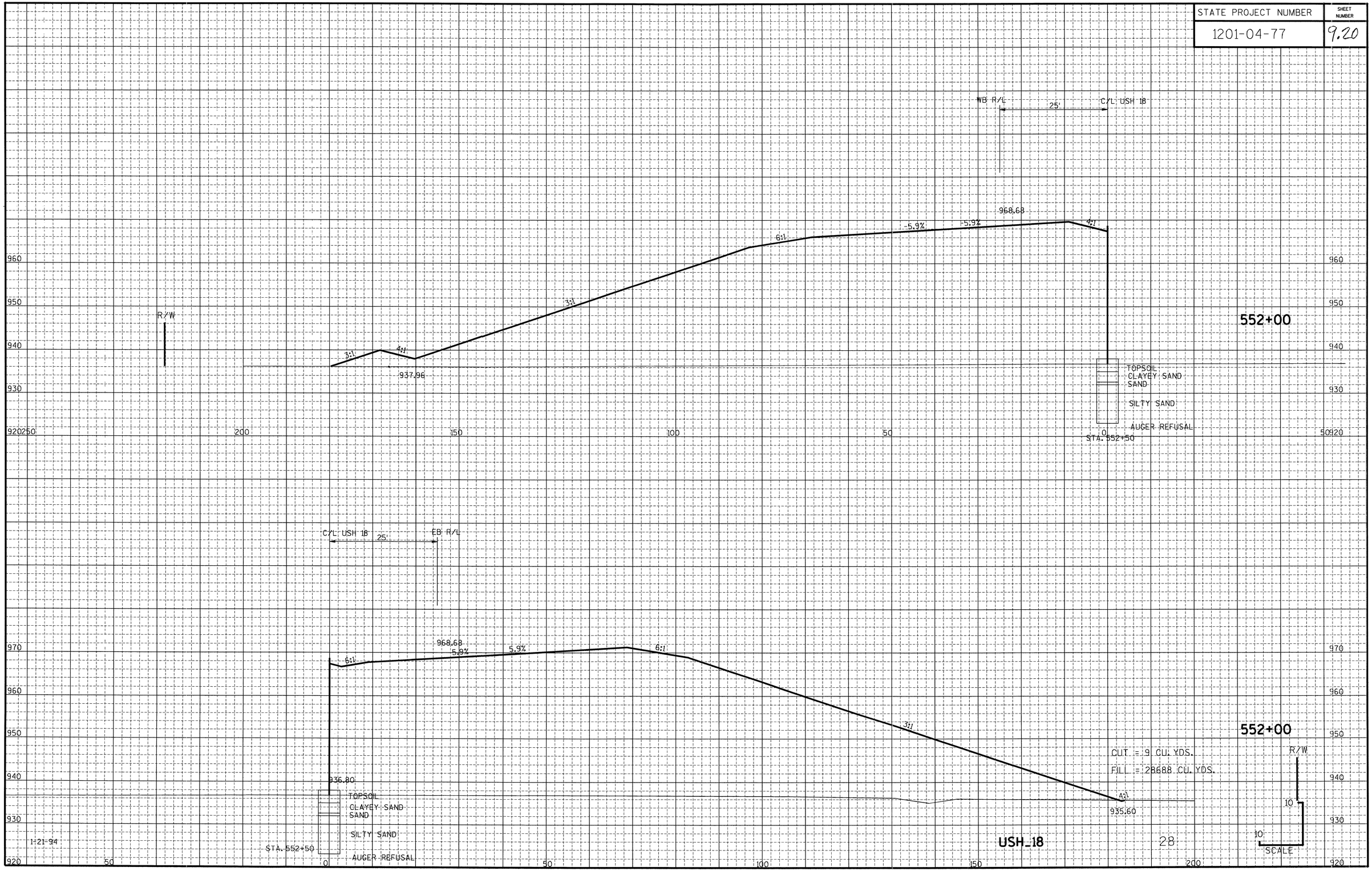


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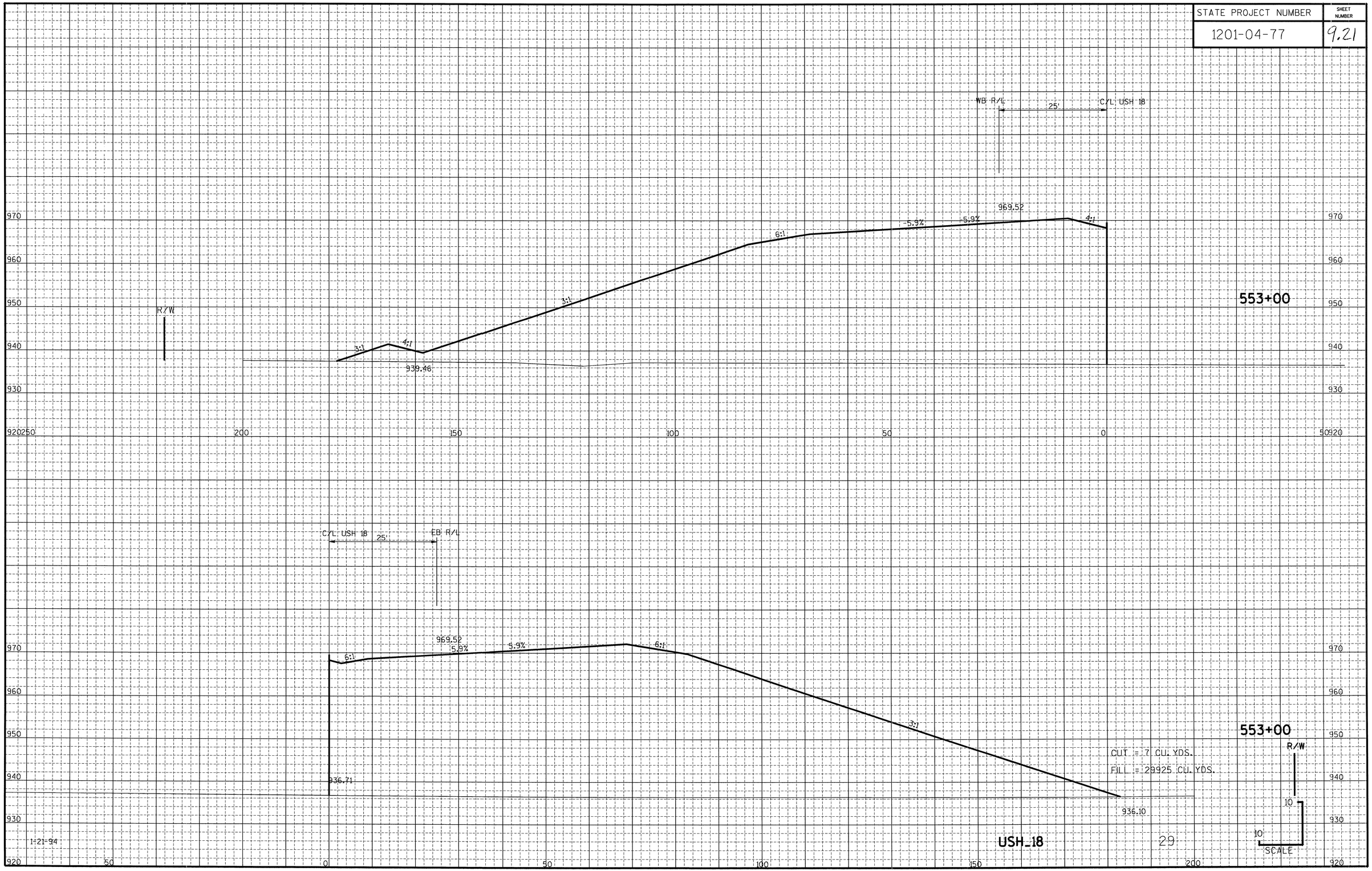
USH 18

27

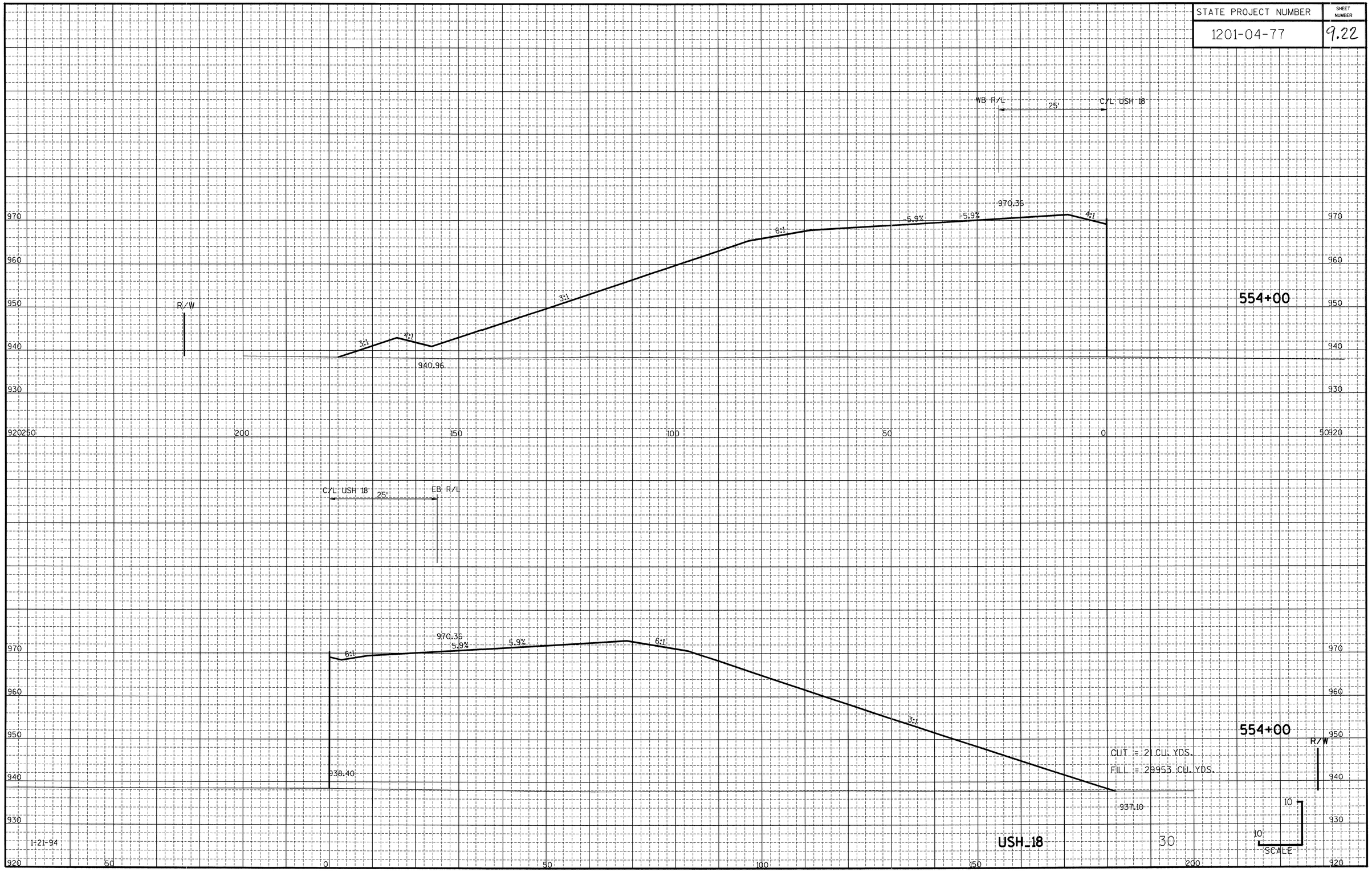
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.20



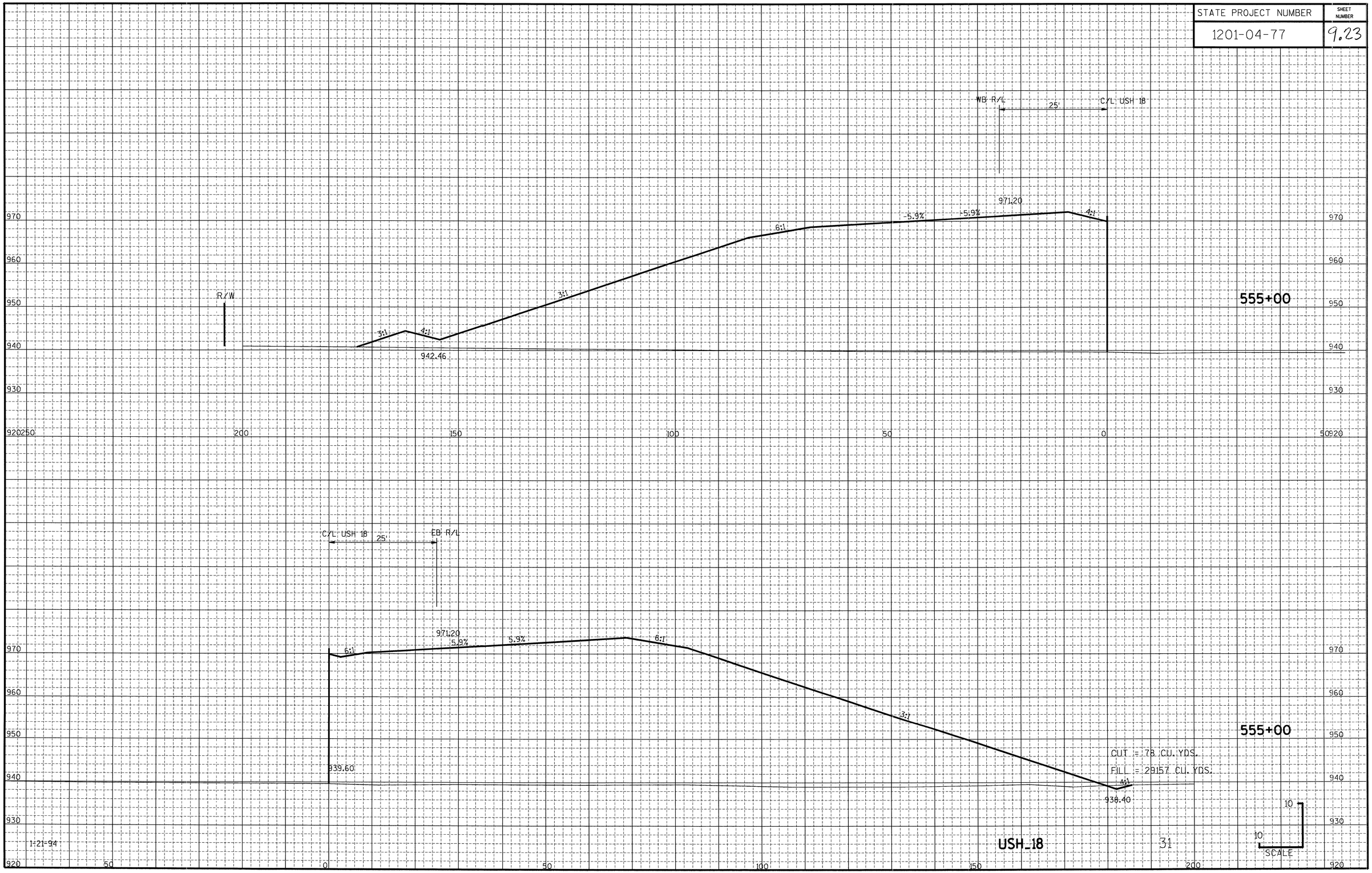
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.21



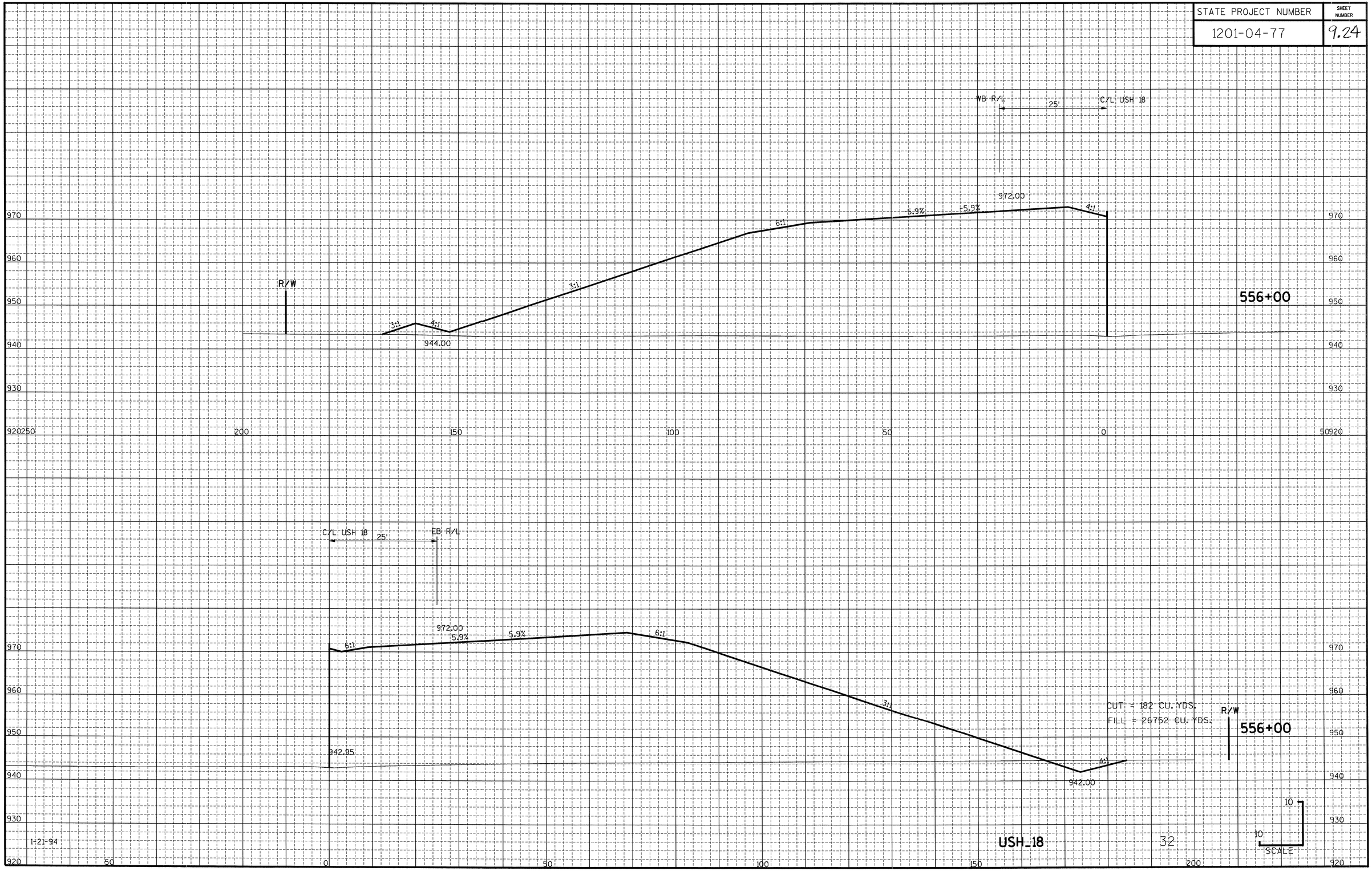
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1201-04-77	9.22



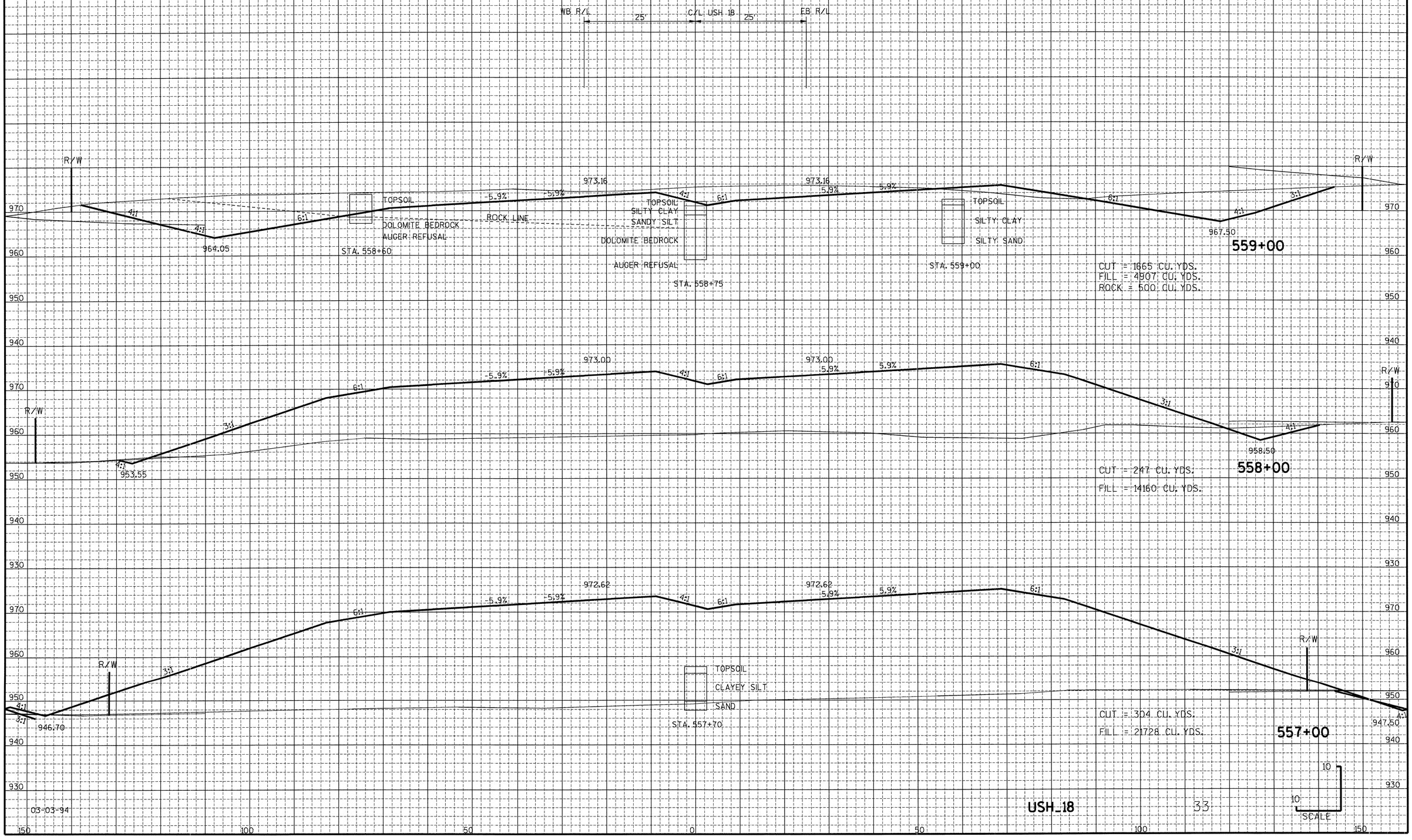
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.23



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.24



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.25



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.26

WB R/L 25' C/L USH 18 25' EB R/L

R/W

ROCK LINE

R/L RAMP 69-1

4:1 4:1 6:1 -5.9% -5.9% 4:1 6:1 5.9% 5.9% 6:1 4:1 2.5:1

968.41 972.32 973.28

562+00

CUT = 30895 CU. YDS.
ROCK = 9000 CU. YDS.

R/W

TOPSOIL
CLAYEY SAND
DOLOMITE BEDROCK
AUGER REFUSAL

STA. 561+35

ROCK LINE

TOPSOIL
CLAYEY SAND
SILTY SAND
DOLOMITE BEDROCK
AUGER REFUSAL

STA. 561+00

ROCK LINE

TOPSOIL
SANDY CLAY
DOLOMITE BEDROCK
AUGER REFUSAL

STA. 561+00

4:1 4:1 6:1 -5.9% -5.9% 4:1 6:1 5.9% 5.9% 6:1 4:1 2.5:1

968.70 972.81 972.50

561+00

CUT = 20078 CU. YDS.
ROCK = 7500 CU. YDS.

R/W

ROCK LINE

4:1 4:1 6:1 -5.9% -5.9% 4:1 6:1 5.9% 5.9% 6:1 4:1 2.5:1

968.05 973.10 971.50

560+00

CUT = 8774 CU. YDS.
FILL = 68 CU. YDS.
ROCK = 4000 CU. YDS.

150 100 50 0 50 100 150

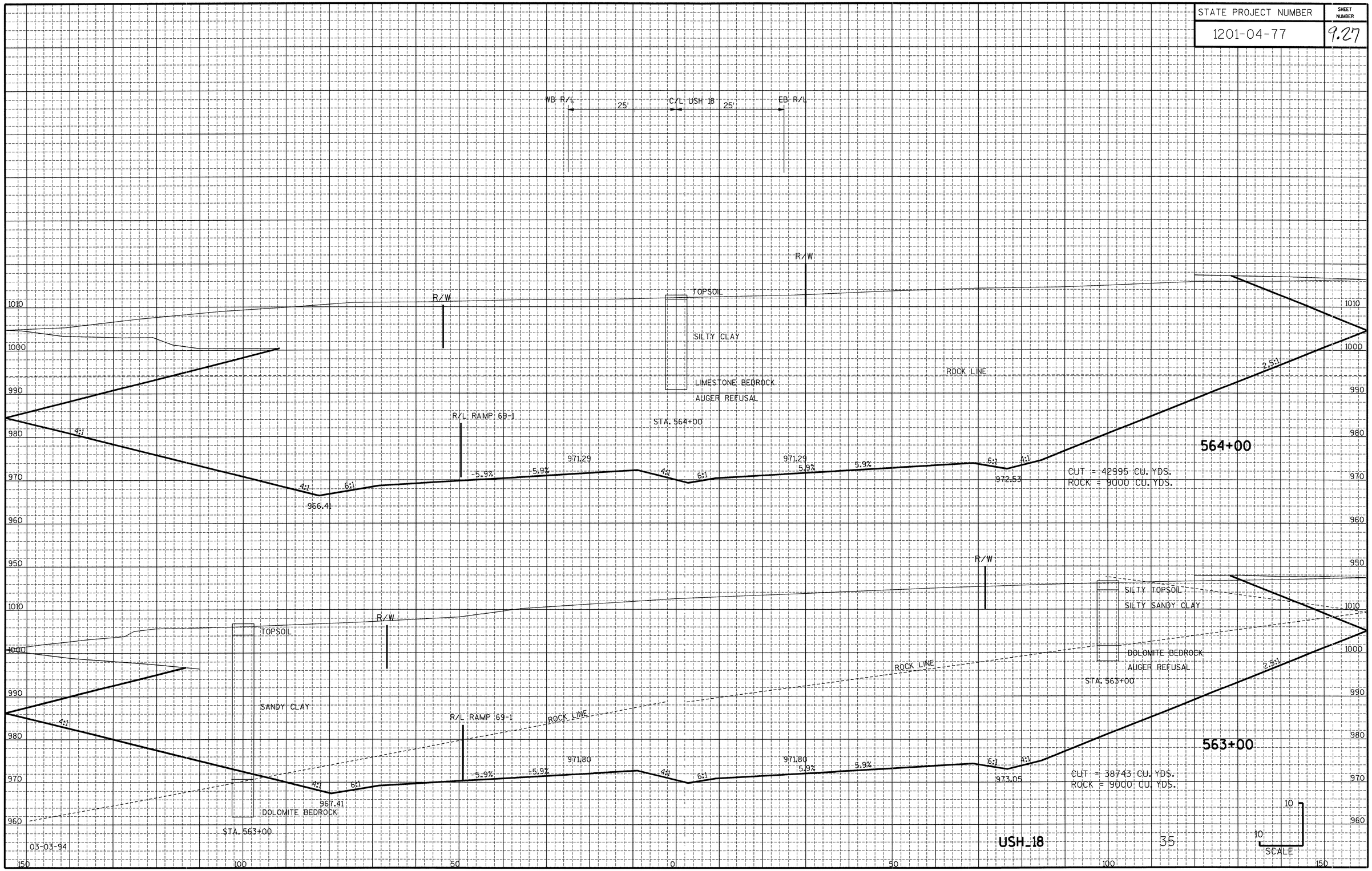
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SCALE

03-03-94

USH_18

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.27



03-03-94

USH 18

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.28

WB R/L — 25' — C/L USH 18 — 25' — EB R/L

R/W

CONSTRUCT INTERCEPTING EMBANKMENT
STA. 566+00 USH 18 TO STA. 578+00 RAMP "69-1"
(SEE SDD)

R/W

1000
990
980
970
960
950
940

R/L RAMP 69-1

ROCK LINE

4:1 — 964.41 — 4:1 — 6:1 — INV. 964.41

-5.4% — 970.26 — -5.9% — -5.9% — 4:1 — 6:1

P188
STA. 565+00, 0' LT. TO STA. 566+00, 76' LT.
1-24" 128 L.F. RCCP CLASS III REQ'D.
SKEW 53° LHF
1-APRON ENDWALL REQ'D.

970.26 — 5.9% — 5.9% — ROCK LINE

6:1 — 4:1 — 971.50 — 2.5:1

566+00

CUT = 36171 CU. YDS.
ROCK = 7000 CU. YDS.

R/W

R/W

TOPSOIL

SILTY CLAY

DOLOMITE BEDROCK

AUGER REFUSAL
STA. 565+00

R/L RAMP 69-1

ROCK LINE

4:1 — 965.41 — 4:1 — 6:1

-5.9% — 970.77 — 5.9% — 4:1

STA. 565+00, 2.7' RT.
1-TYPE 8 MS INLET REQ'D.
INV. 965.10

TOPSOIL

SANDY CLAY

STA. 565+00

DOLOMITE BEDROCK

AUGER REFUSAL

970.77 — 5.9% — 5.9% — ROCK LINE

6:1 — 4:1 — 972.02 — 2.5:1

SILTY TOPSOIL

SANDY CLAY

DOLOMITE BEDROCK

AUGER REFUSAL
STA. 565+00

565+00

CUT = 42502 CU. YDS.
ROCK = 8000 CU. YDS.

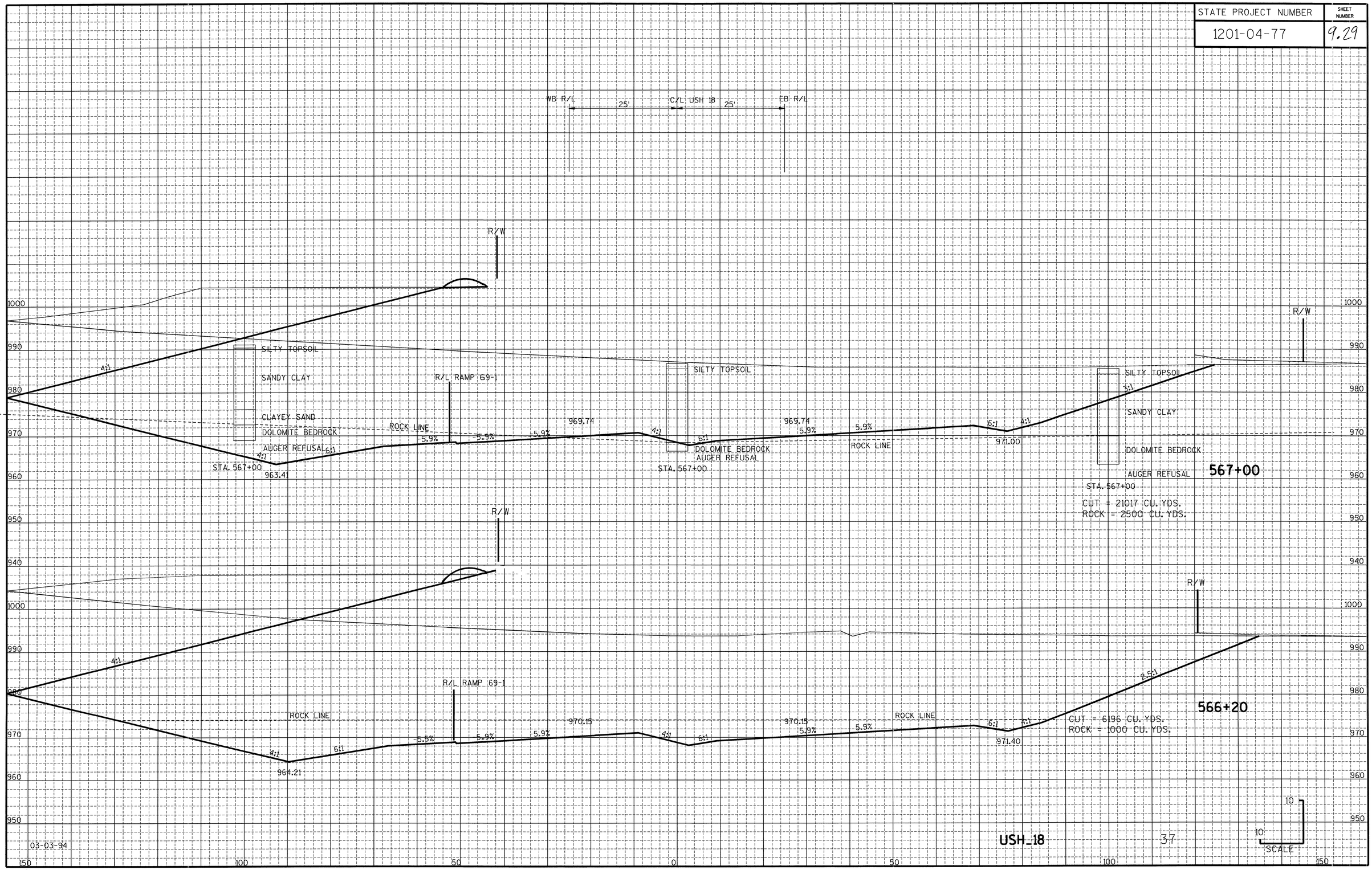
150 — 100 — 50 — 0 — 50 — 100 — 150

10
10
SCALE

03-03-94

USH_18

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.29

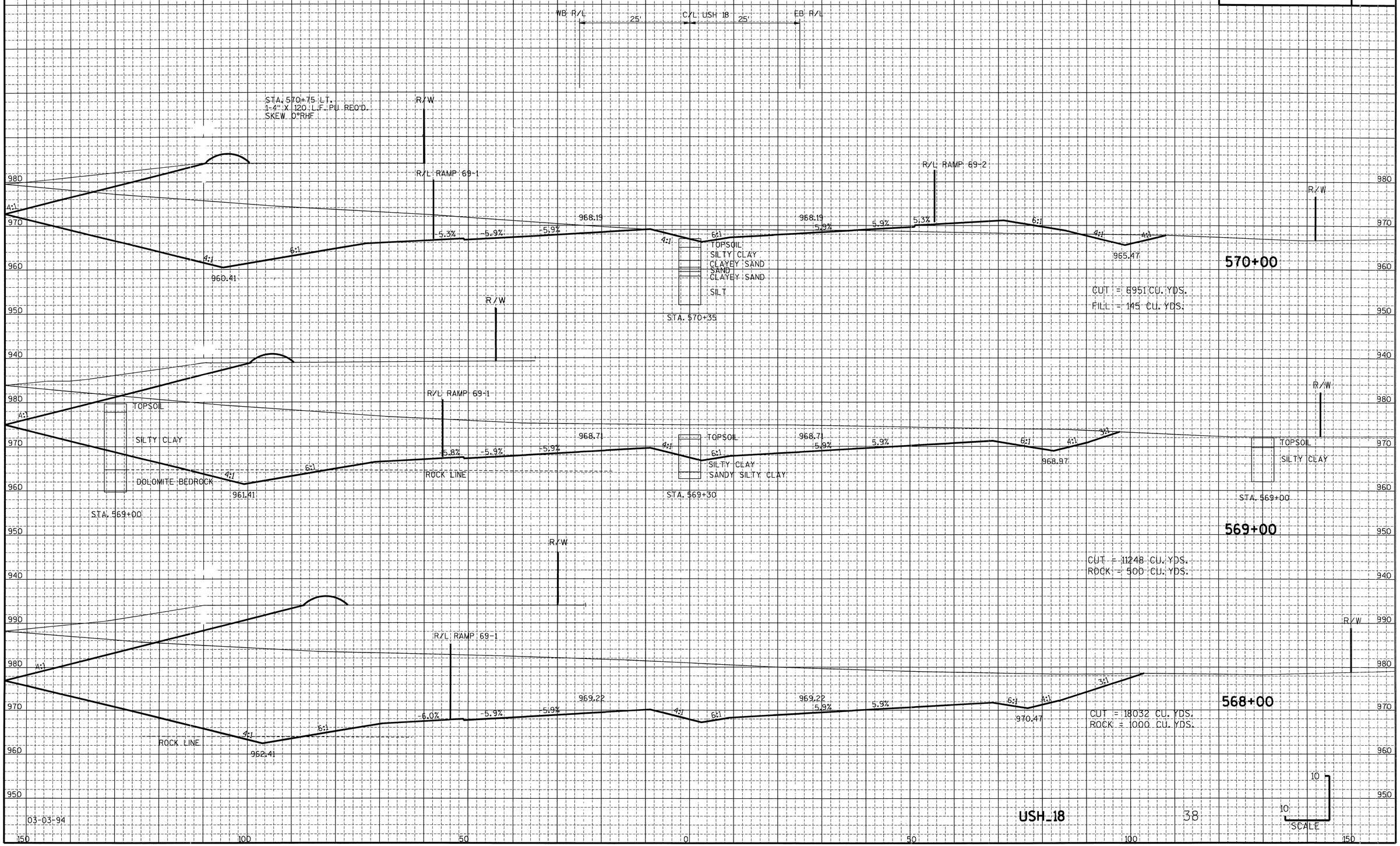


03-03-94

USH_18

37

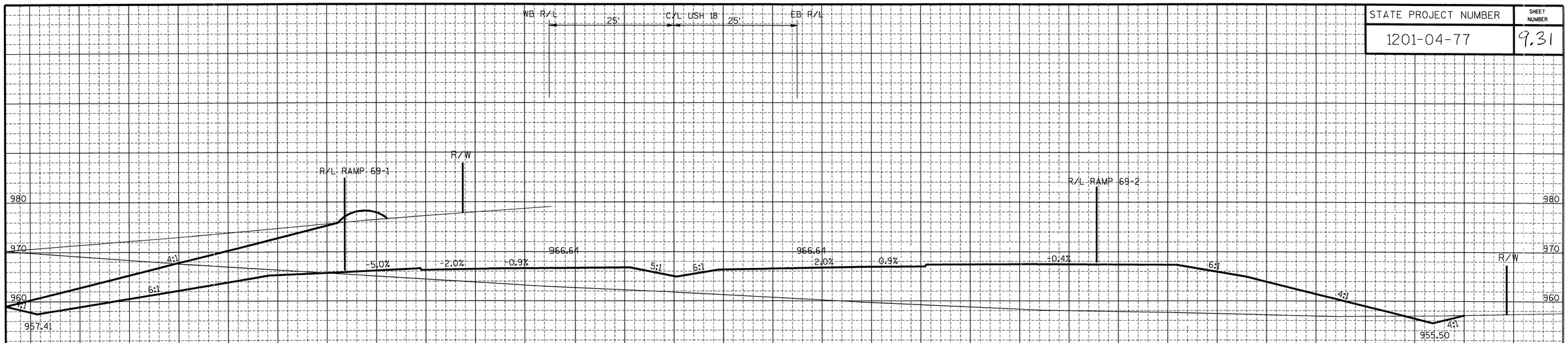
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.30



03-03-94

USH_18

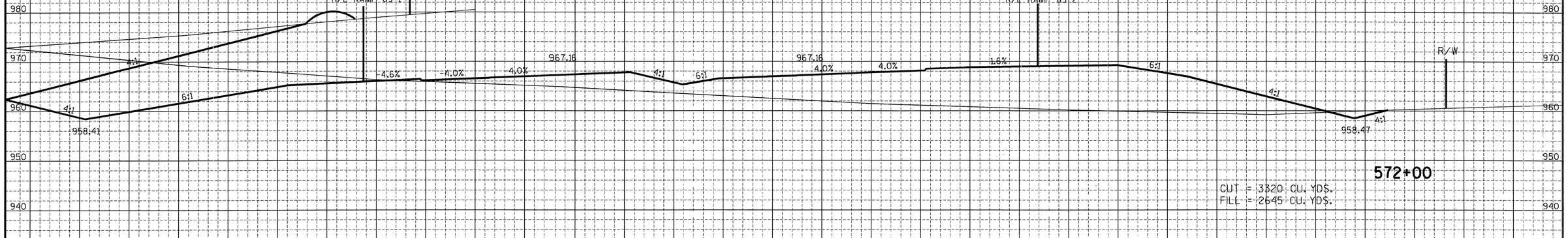
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.31



573+00

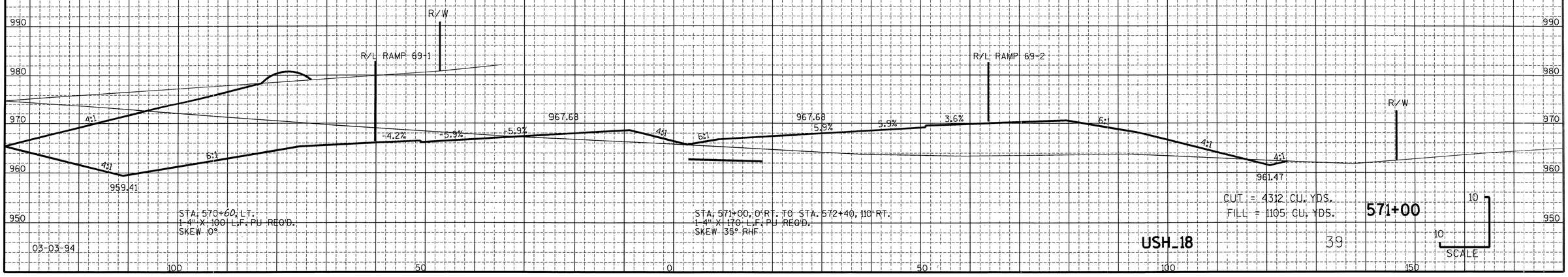
CUT = 2989 CU. YDS.
FILL = 3947 CU. YDS.

STA. 572+00, 10' RT. TO STA. 573+50, 120' RT.
1-4" X 190' L.F. PU REQ'D.
SKEW 33° RHF



572+00

CUT = 3320 CU. YDS.
FILL = 2645 CU. YDS.



571+00

CUT = 4312 CU. YDS.
FILL = 1105 CU. YDS.

STA. 570+60, LT. TO STA. 571+00, 0' RT.
1-4" X 100 L.F. PU REQ'D.
SKEW 0°

STA. 571+00, 0' RT. TO STA. 572+40, 110' RT.
1-4" X 170 L.F. PU REQ'D.
SKEW 35° RHF

100 50 0 50 100 150

10
10
SCALE

03-03-94

USH 18

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.32

WB R/L 25' C/L USH 18 25' EB R/L

R/W

MATCHLINE RAMP "69-1"

MATCHLINE RAMP "69-2"

963.54 6:1 -2.0% 2.0% 965.10 6:1 6:1 965.10 2.0% -2.0% 6:1 960.10

TOPSOIL
SILTY CLAY
CLAYEY SAND

STA. 575+50

576+00

CUT = 1876 CU. YDS.
FILL = 2554 CU. YDS.

R/W

R/L RAMP 69-1

MATCHLINE RAMP "69-2"

955.41 4:1 6:1 -3.6% -2.0% 2.0% 965.61 6:1 6:1 965.61 2.0% -2.0% 6:1

STA. 575+00
1-TYPE 8MS INLET REQ'D.
INV. 961.00

P190
STA. 575+00 TO STA. 575+38, 147.5' RT.
1-24" X 152 L.F. RCCP CLASS III REQ'D.
SKEW 15° RHF
INV. 952.00
1-APRON ENDWALL REQ'D.

575+00

CUT = 3123 CU. YDS.
FILL = 4705 CU. YDS.

R/W
R/L
RAMP 69-1

R/L RAMP 69-2

956.41 4:1 6:1 -3.8% -2.0% 2.0% 966.13 6:1 6:1 966.13 2.0% -2.0% -2.2% 6:1 R/W 4:1 4:1 952.66

STA. 573+20, 100' LT. TO STA. 573+50, 0' RT.
1-4" X 100 L.F. PU REQ'D.
SKEW 17° LHB

STA. 573+50, 0' RT. TO STA. 575+35, 150' RT.
1-4" X 240 L.F. PU REQ'D.
SKEW 41° RHF

574+00

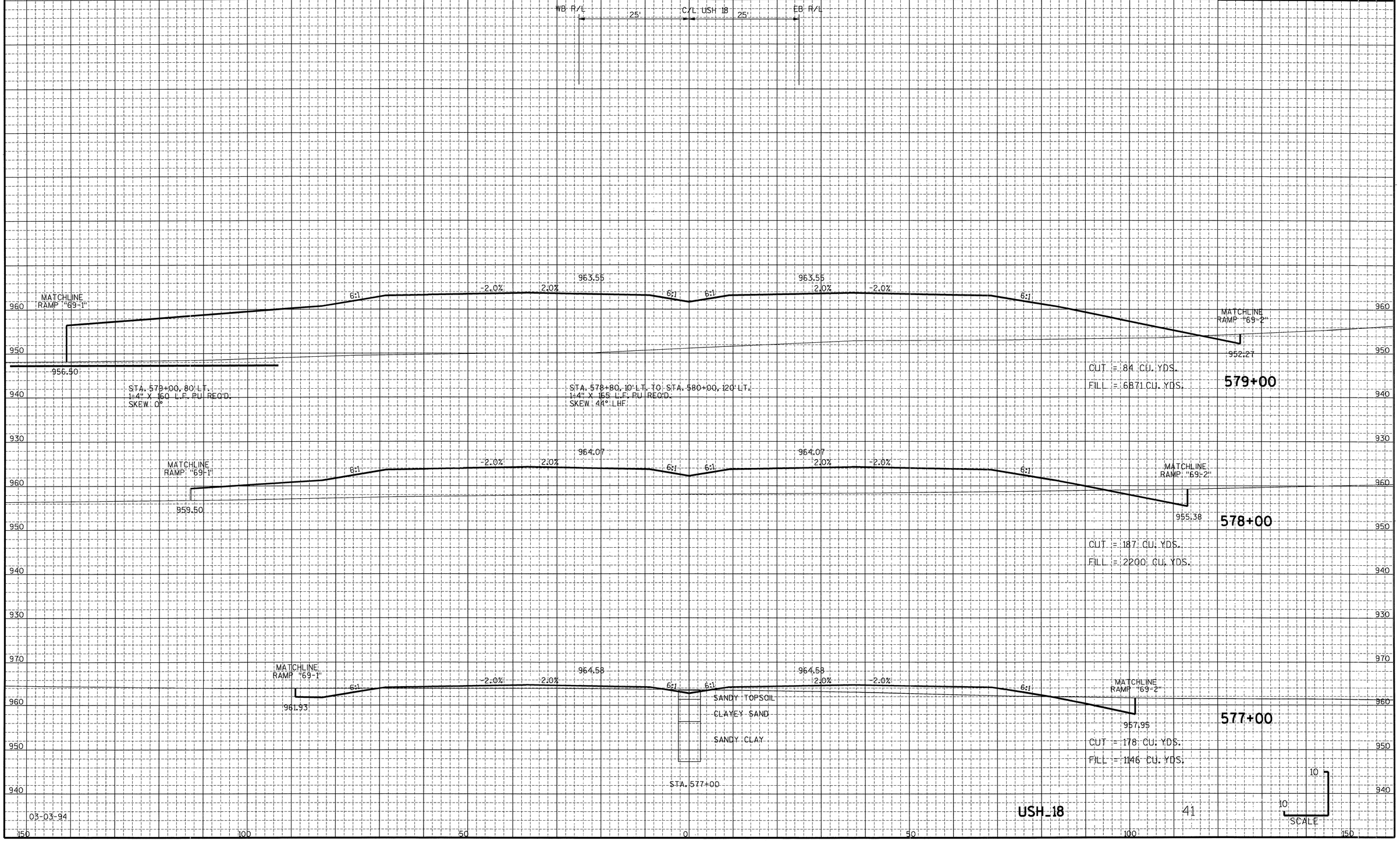
FILL = 5278 CU. YDS.
CUT = 2746 CU. YDS.

03-03-94

USH_18

SCALE 10 10

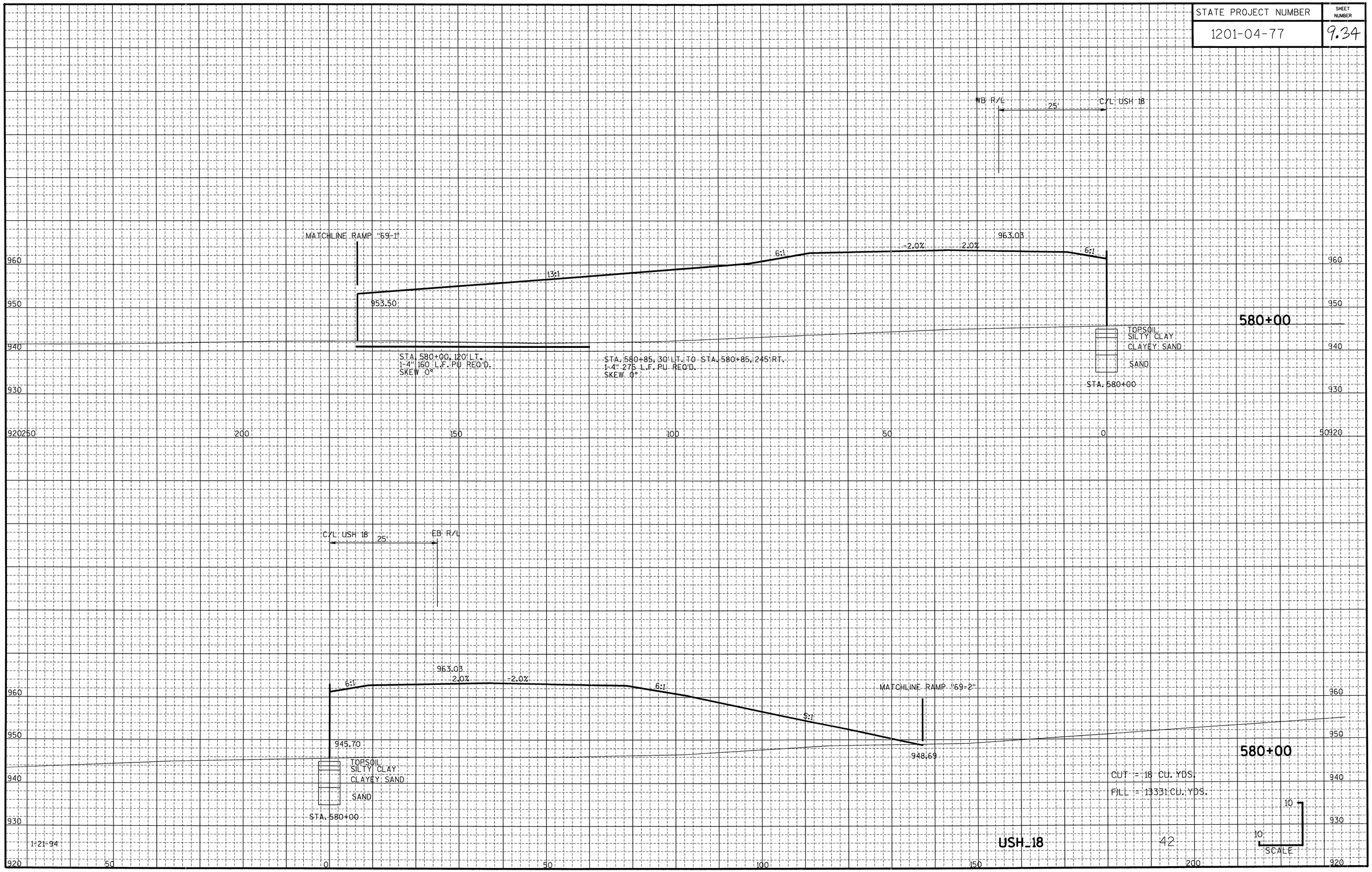
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.33



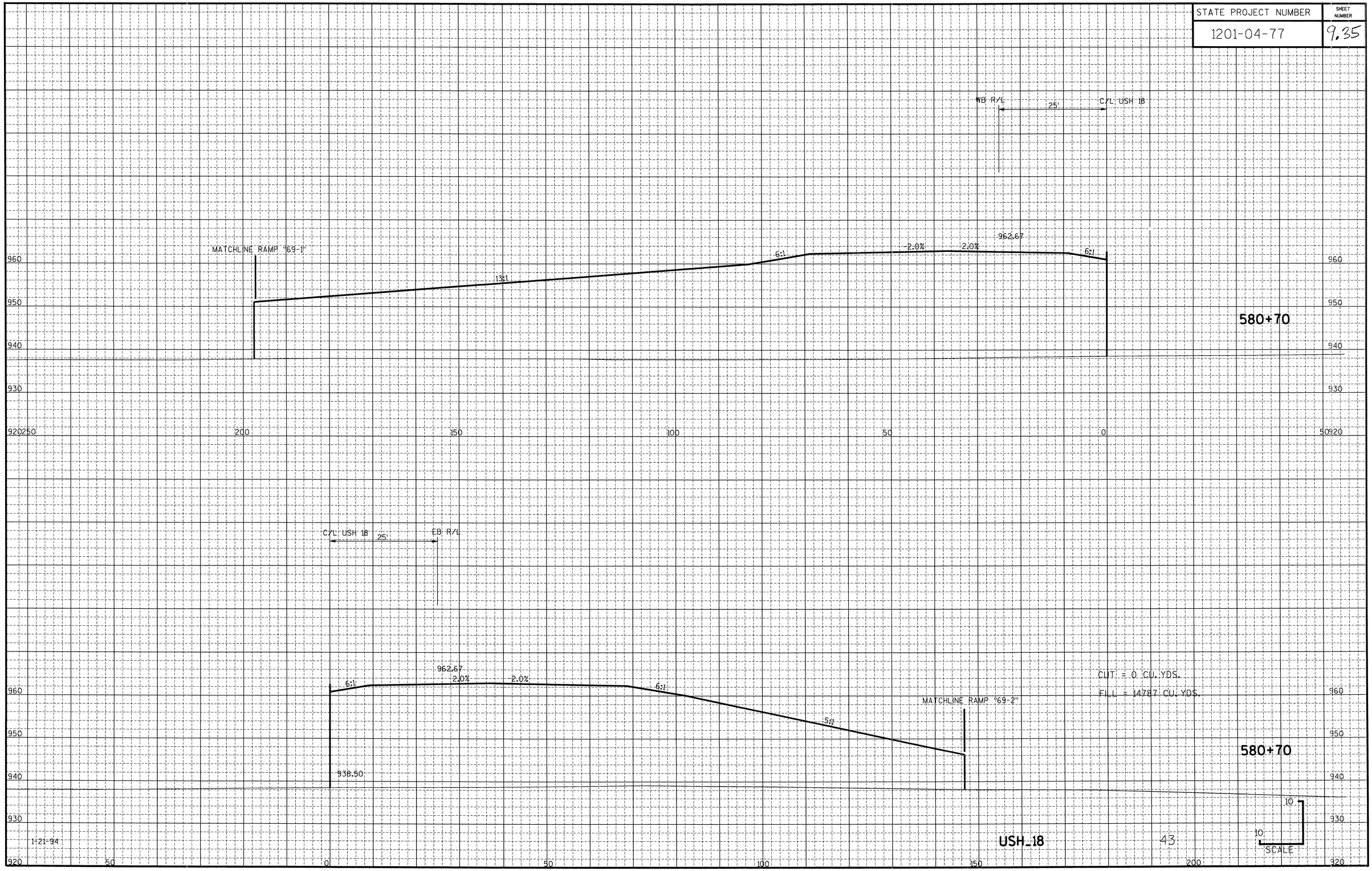
03-03-94

USH_18

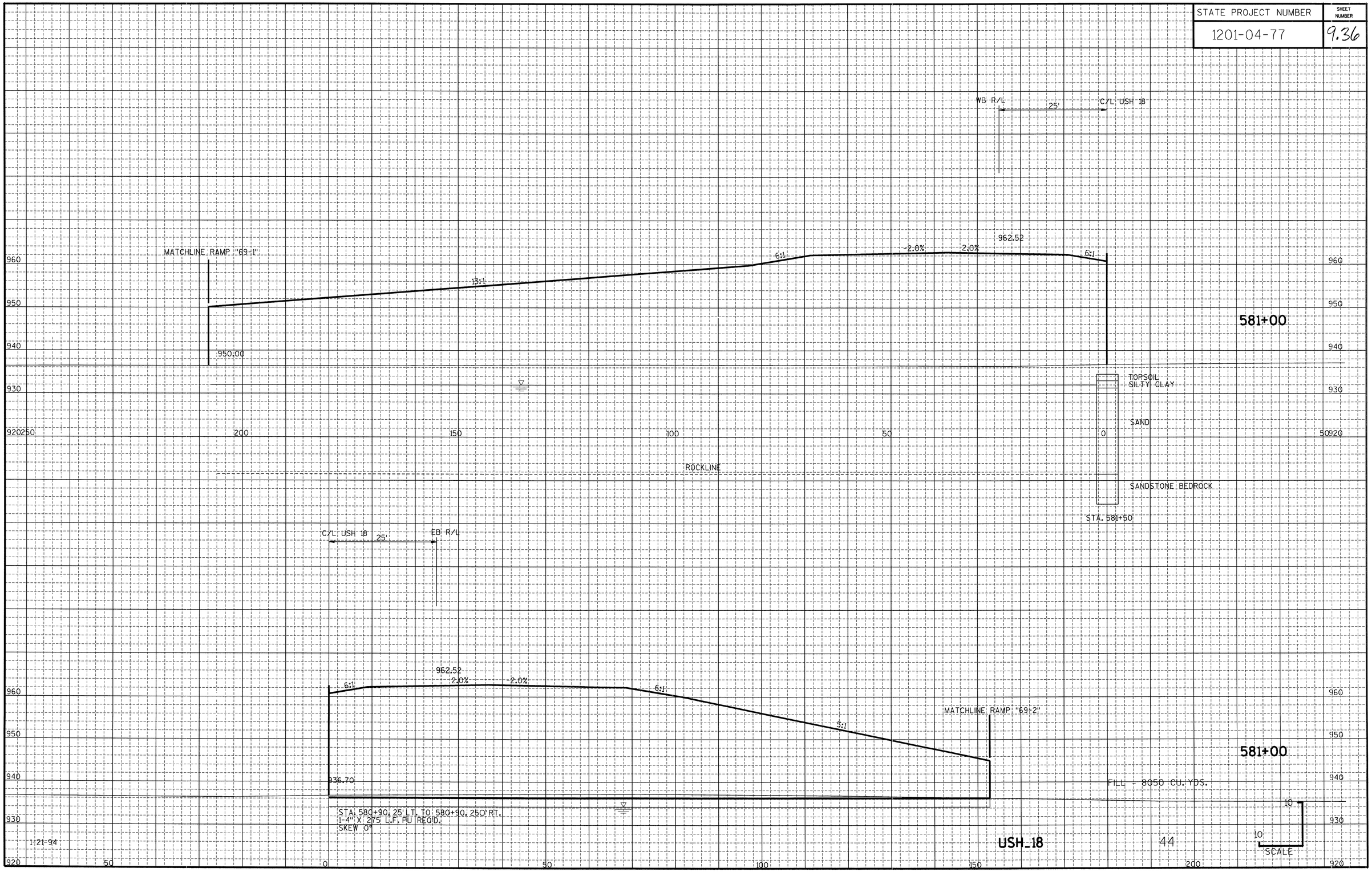
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.34



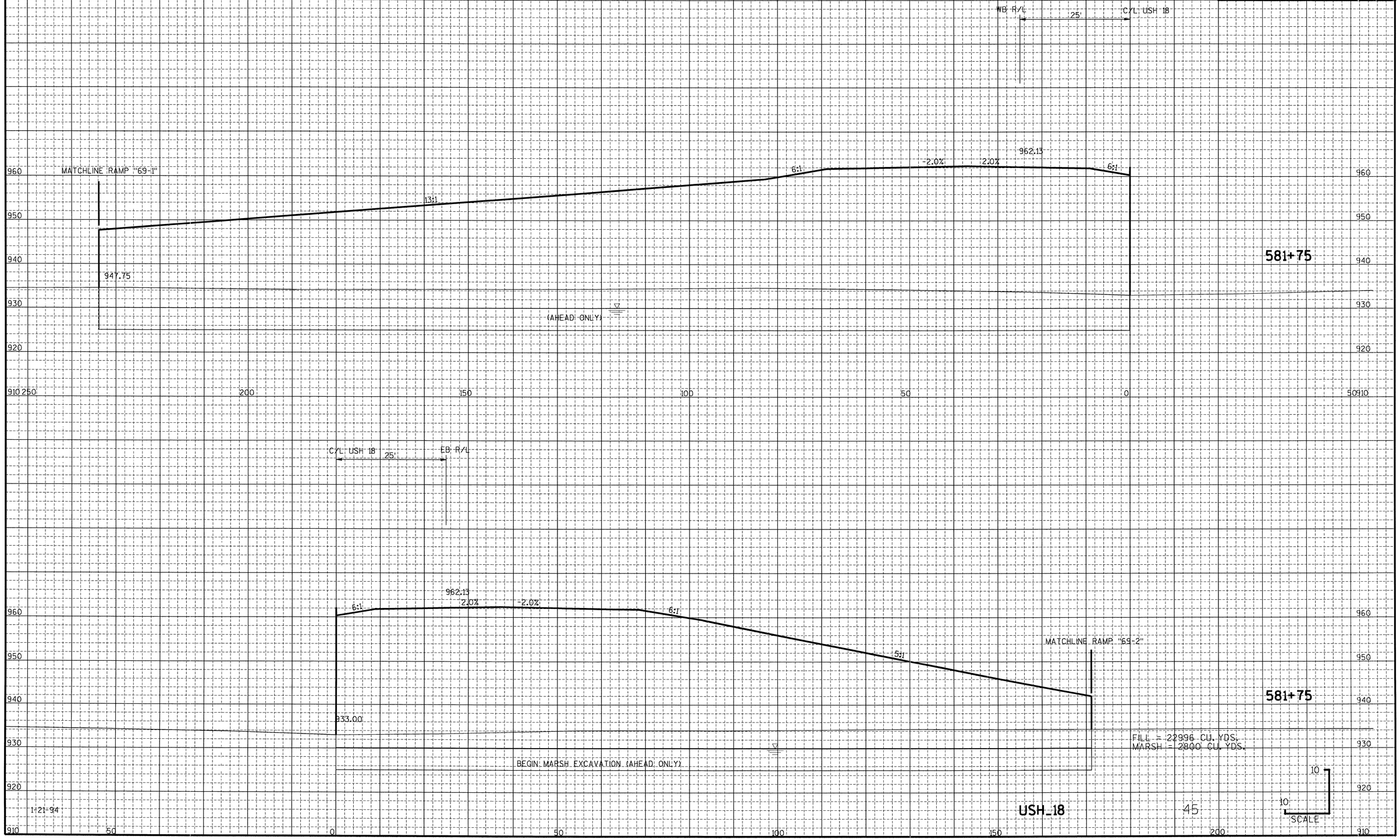
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.35



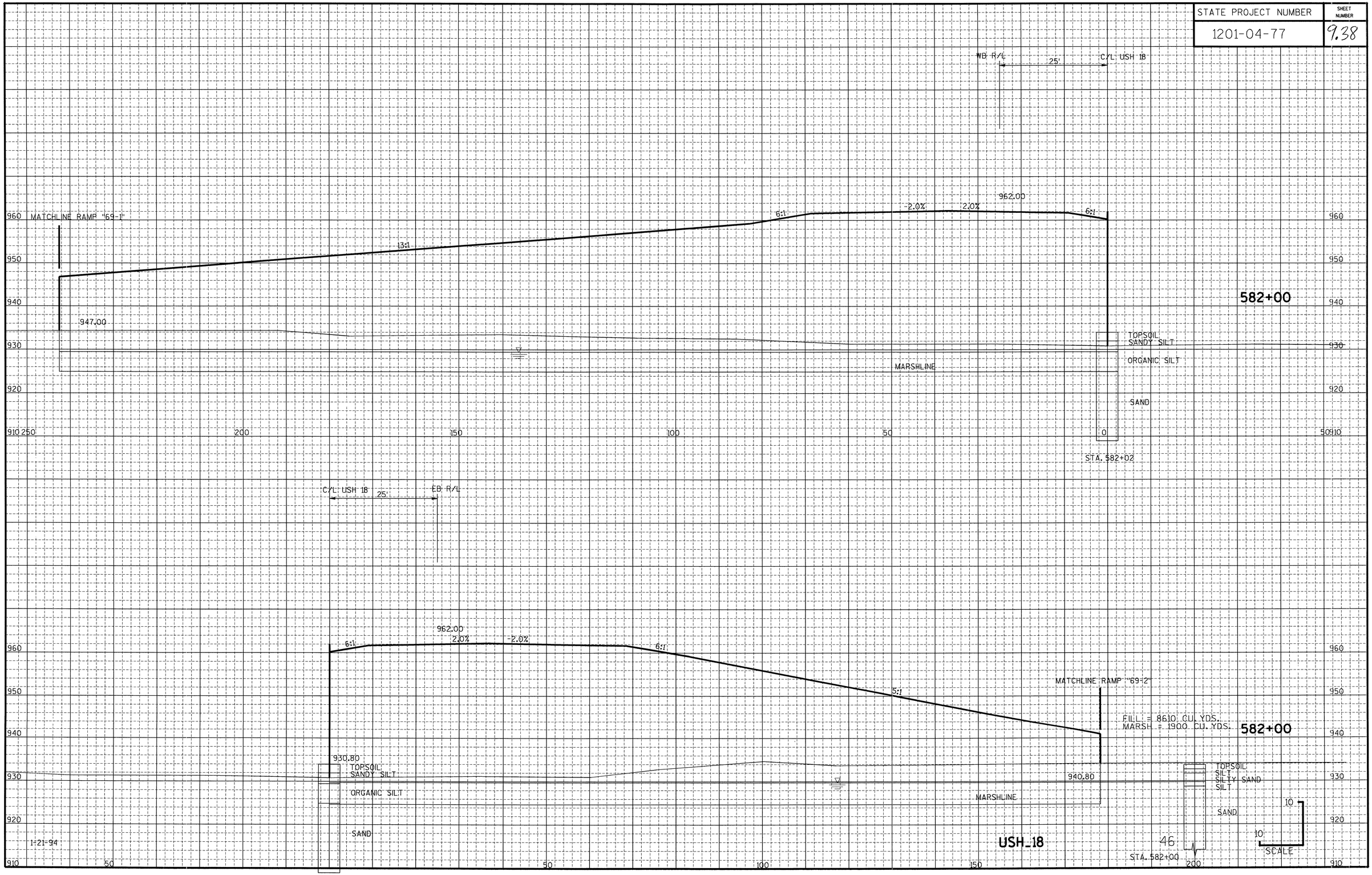
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.36



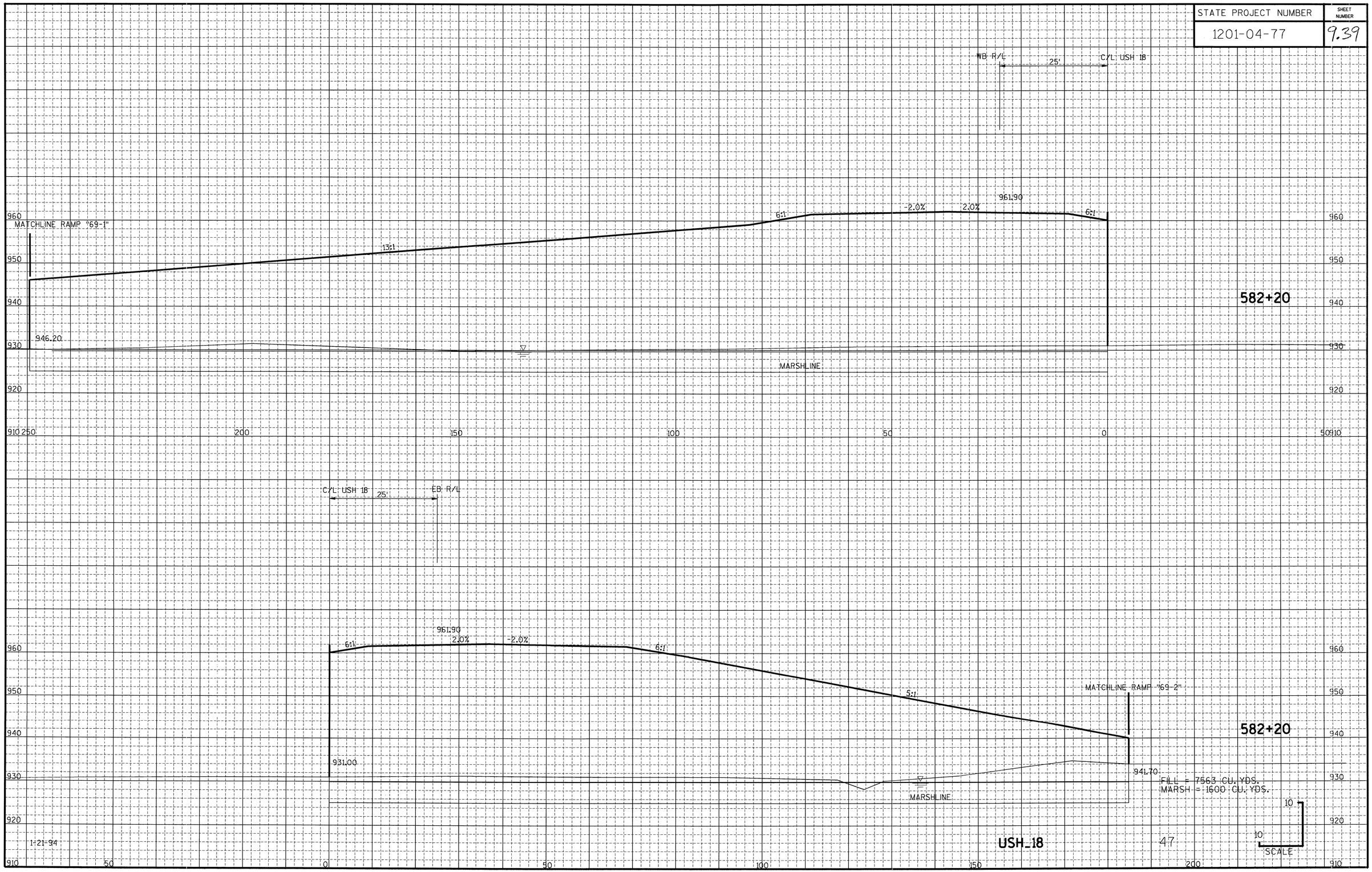
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.37



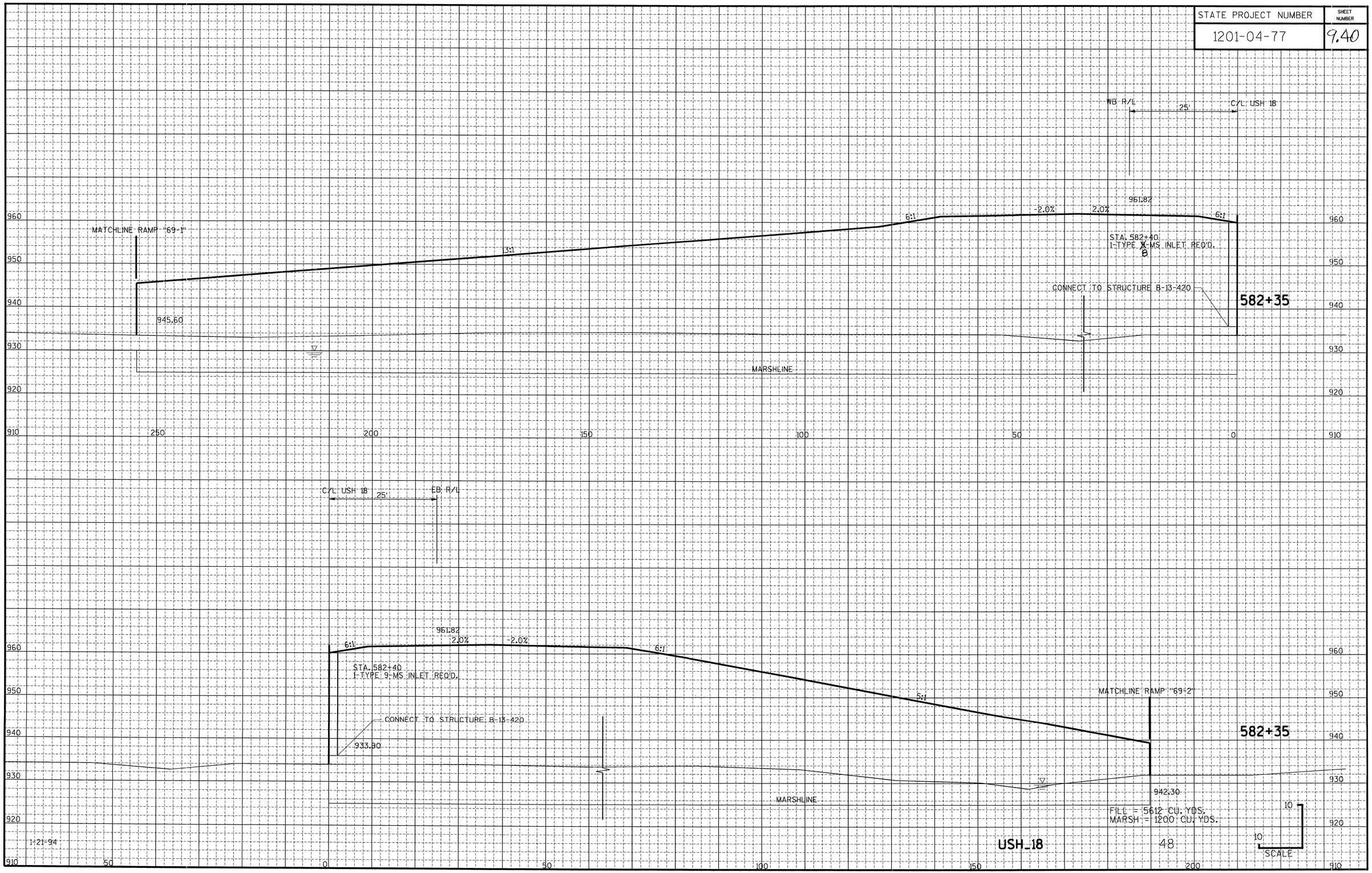
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.38



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.39



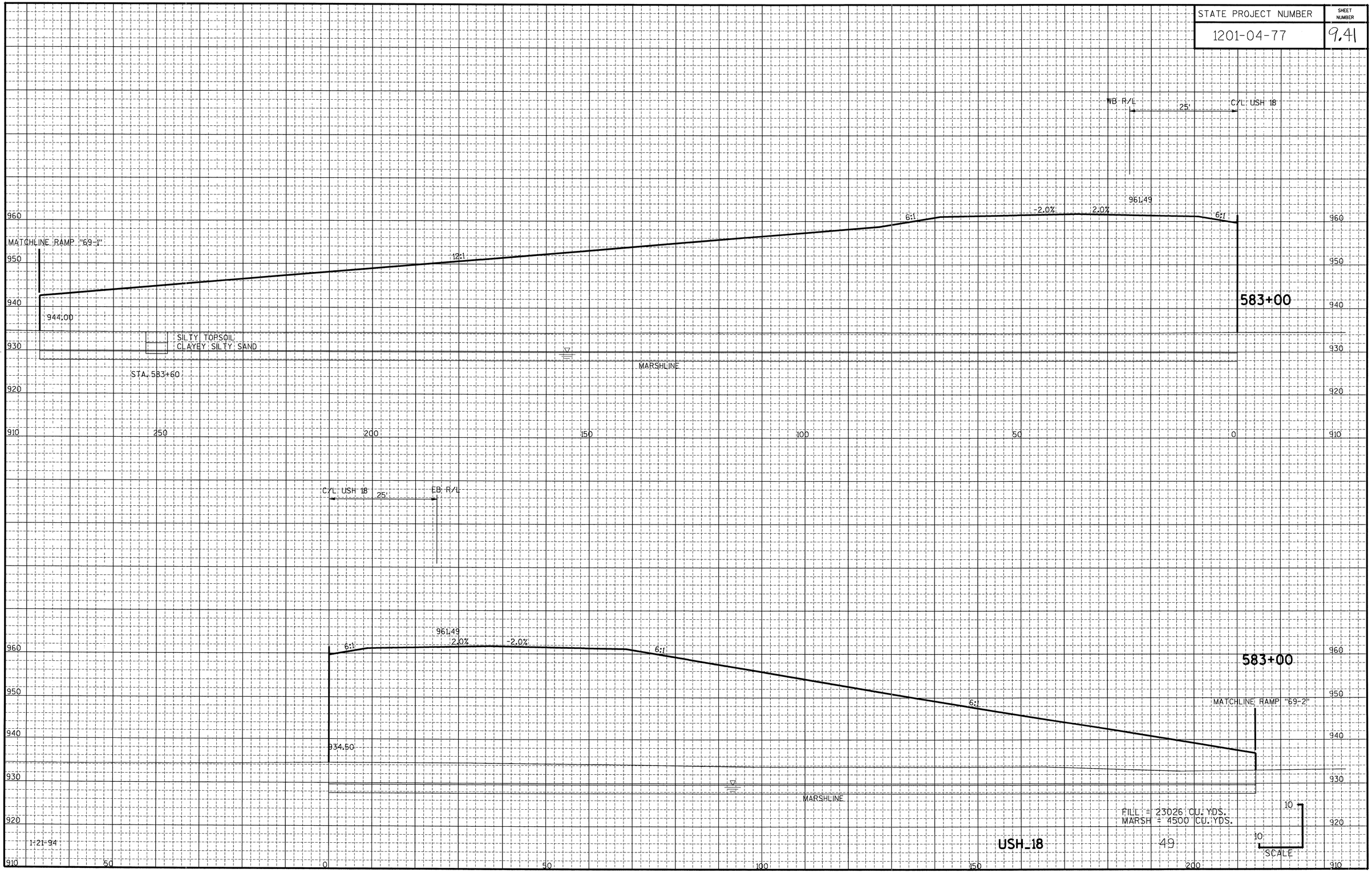
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.40



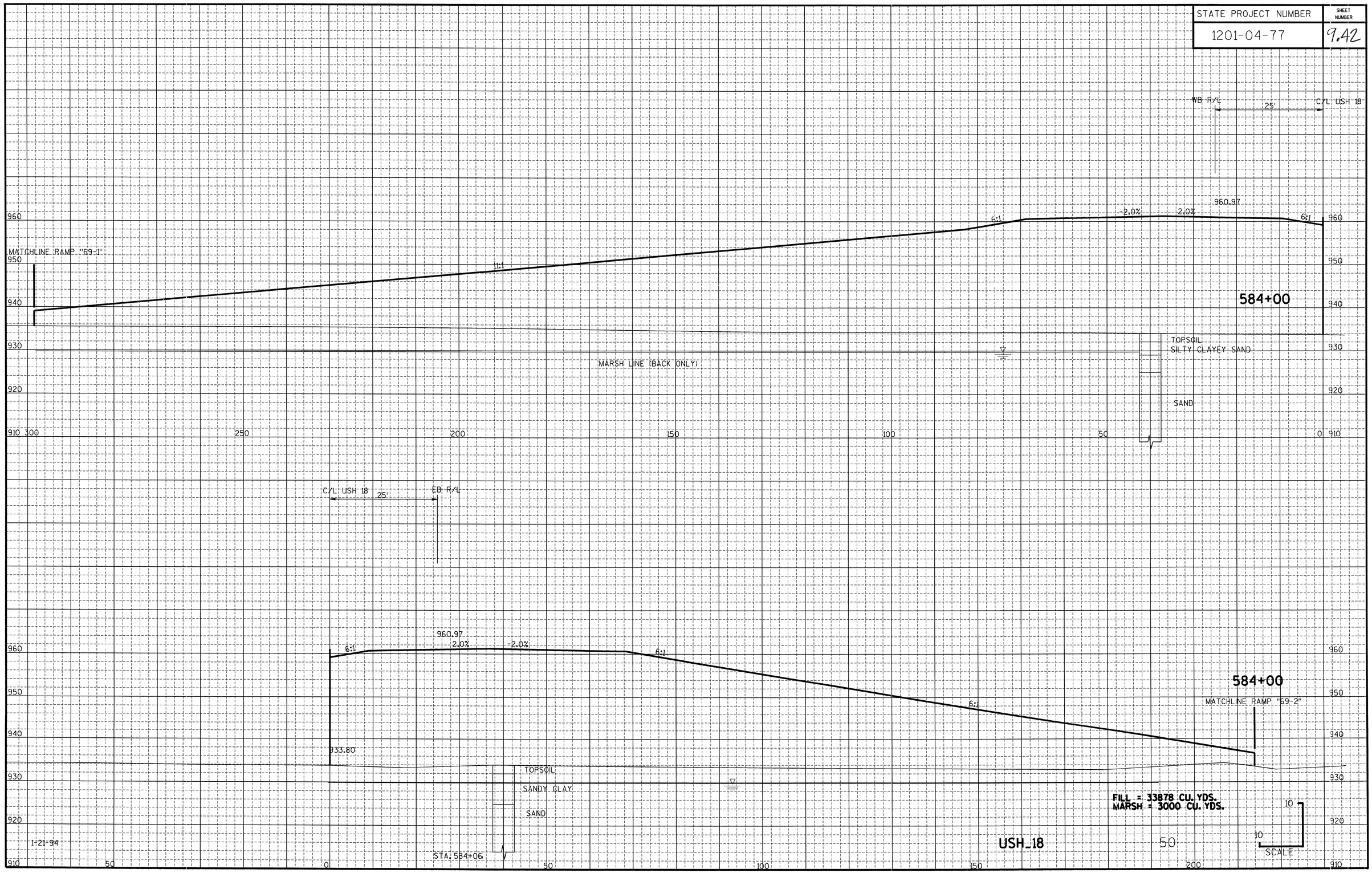
1-21-94

USH_18

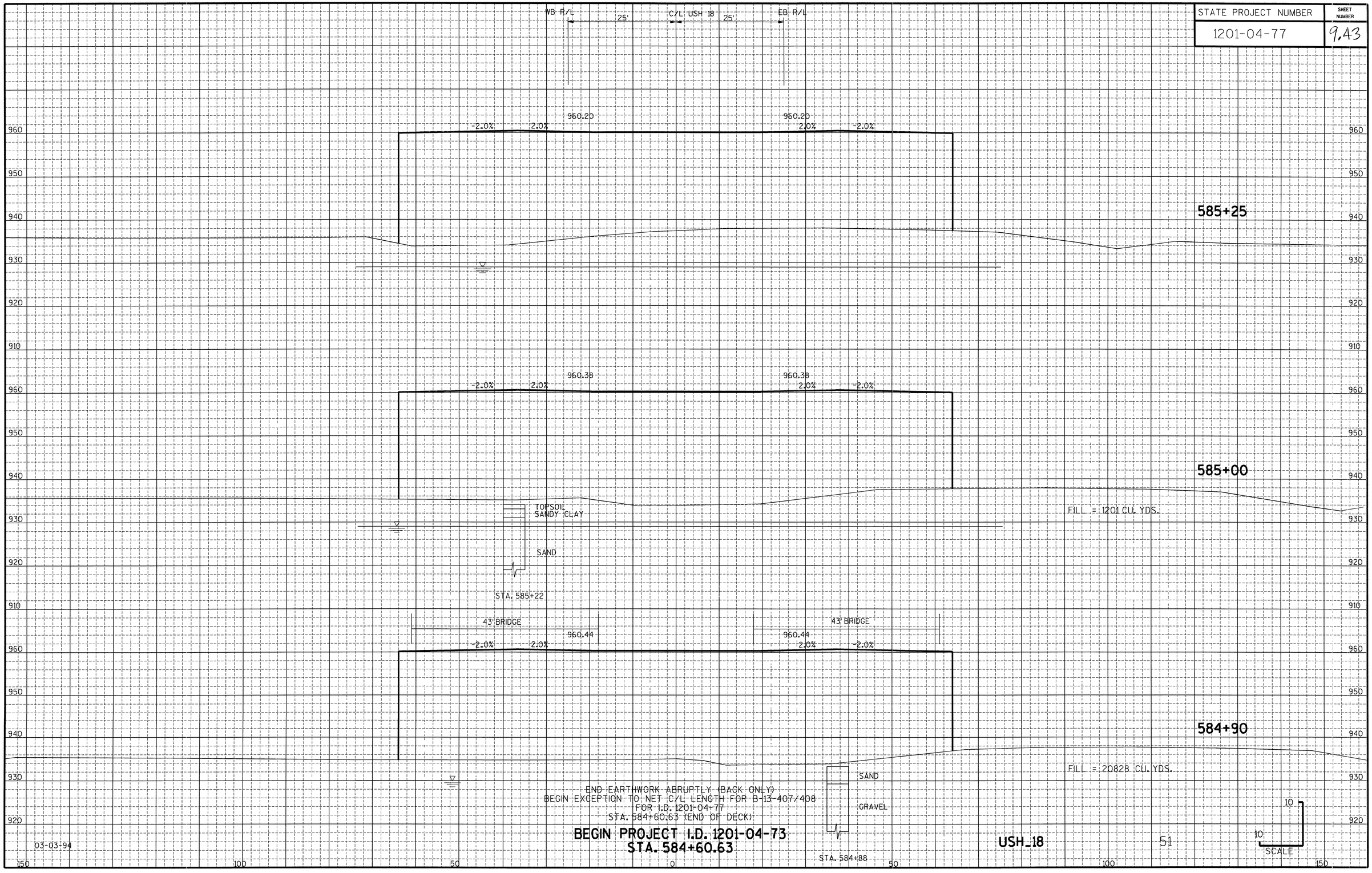
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.41



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.42



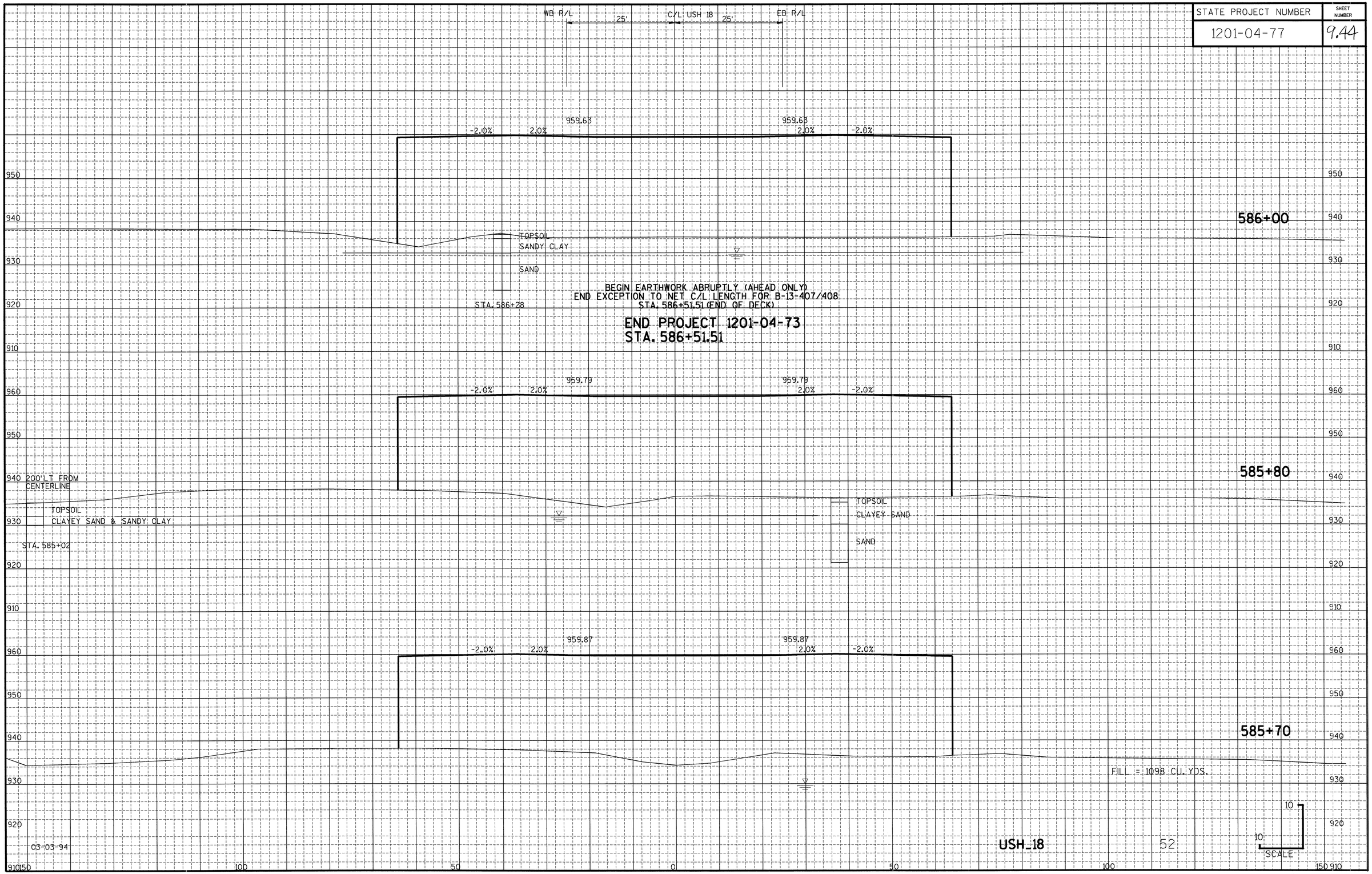
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.43



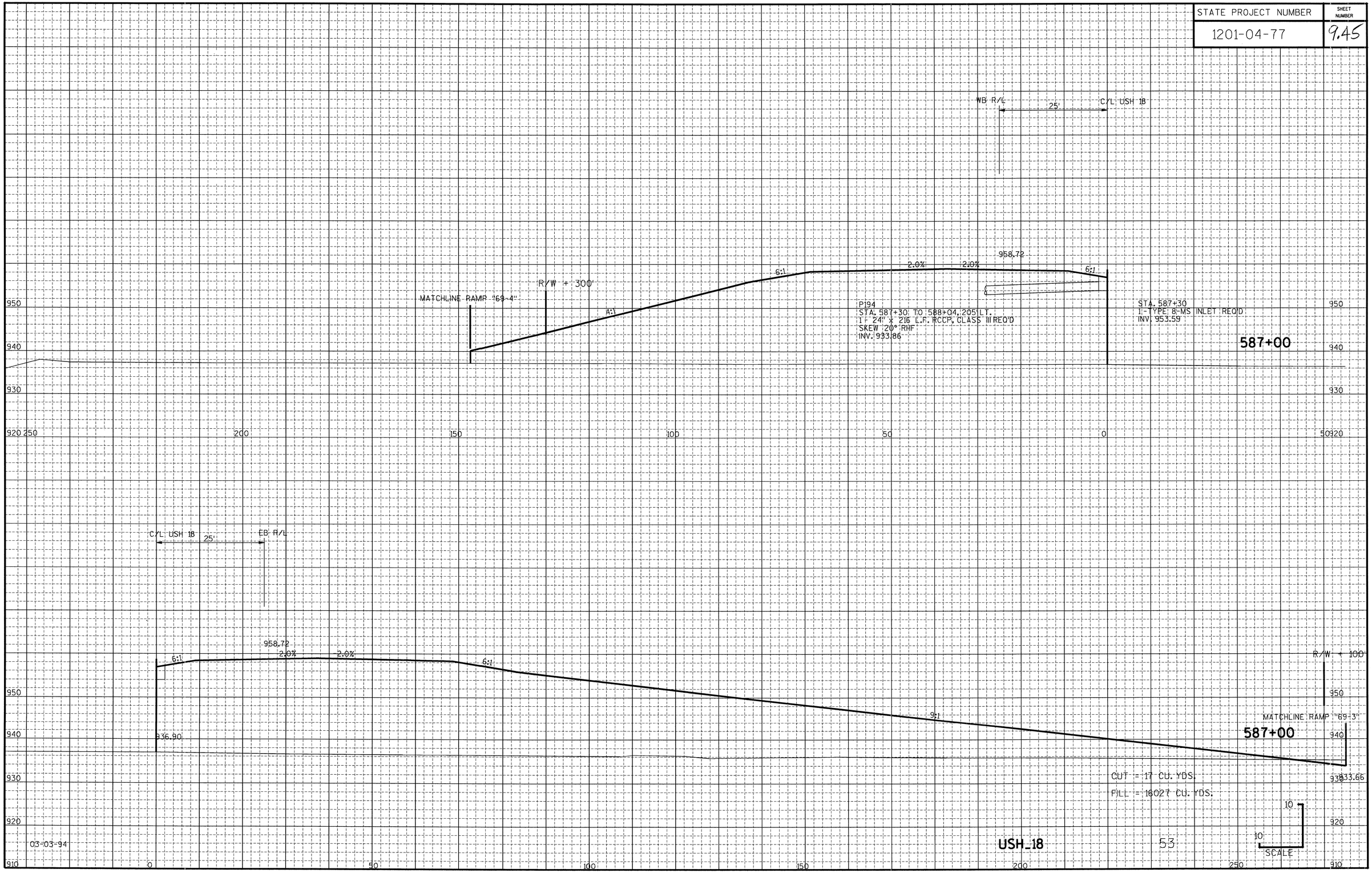
03-03-94

USH_18

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.44



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.45

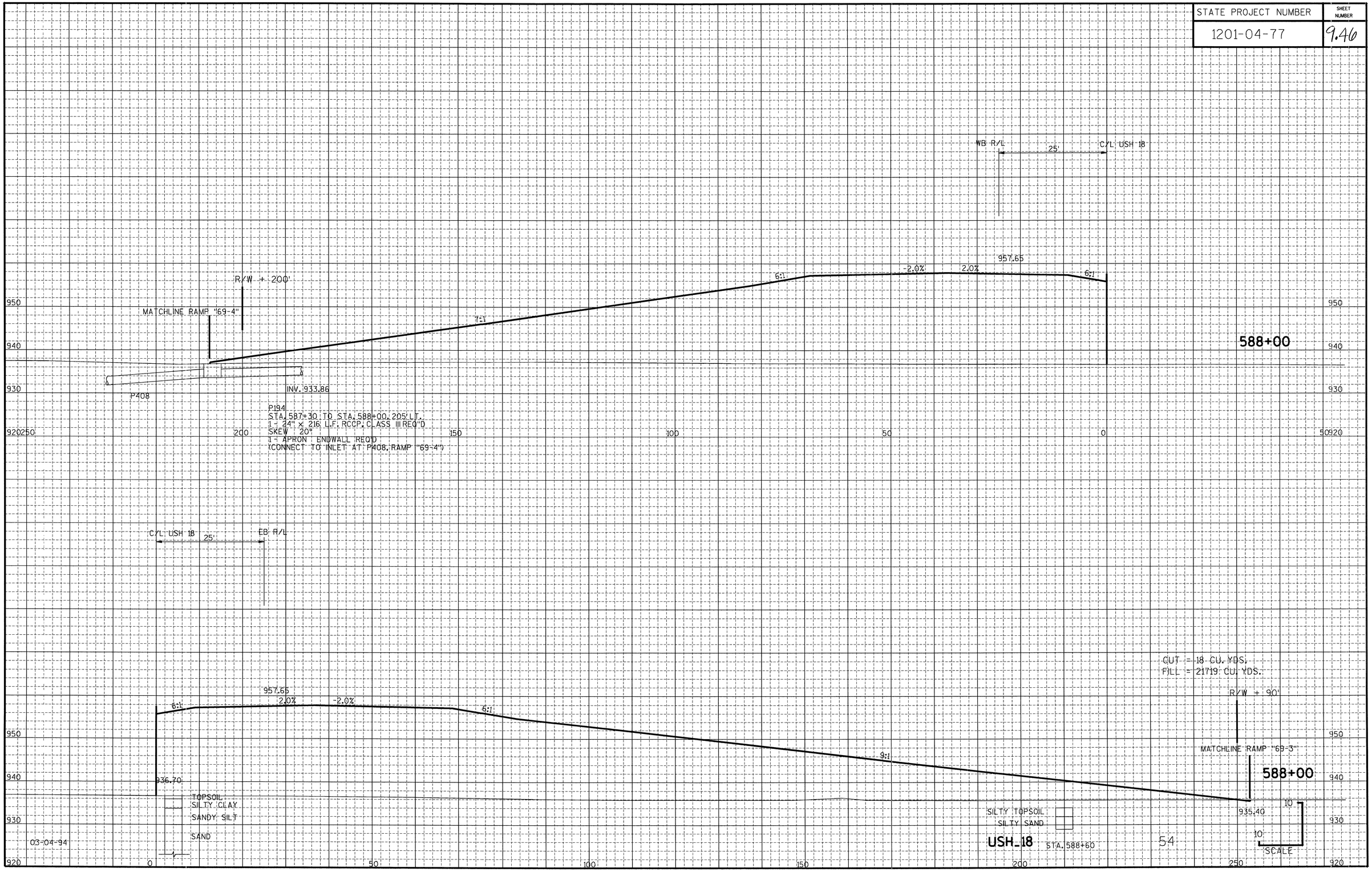


03-03-94

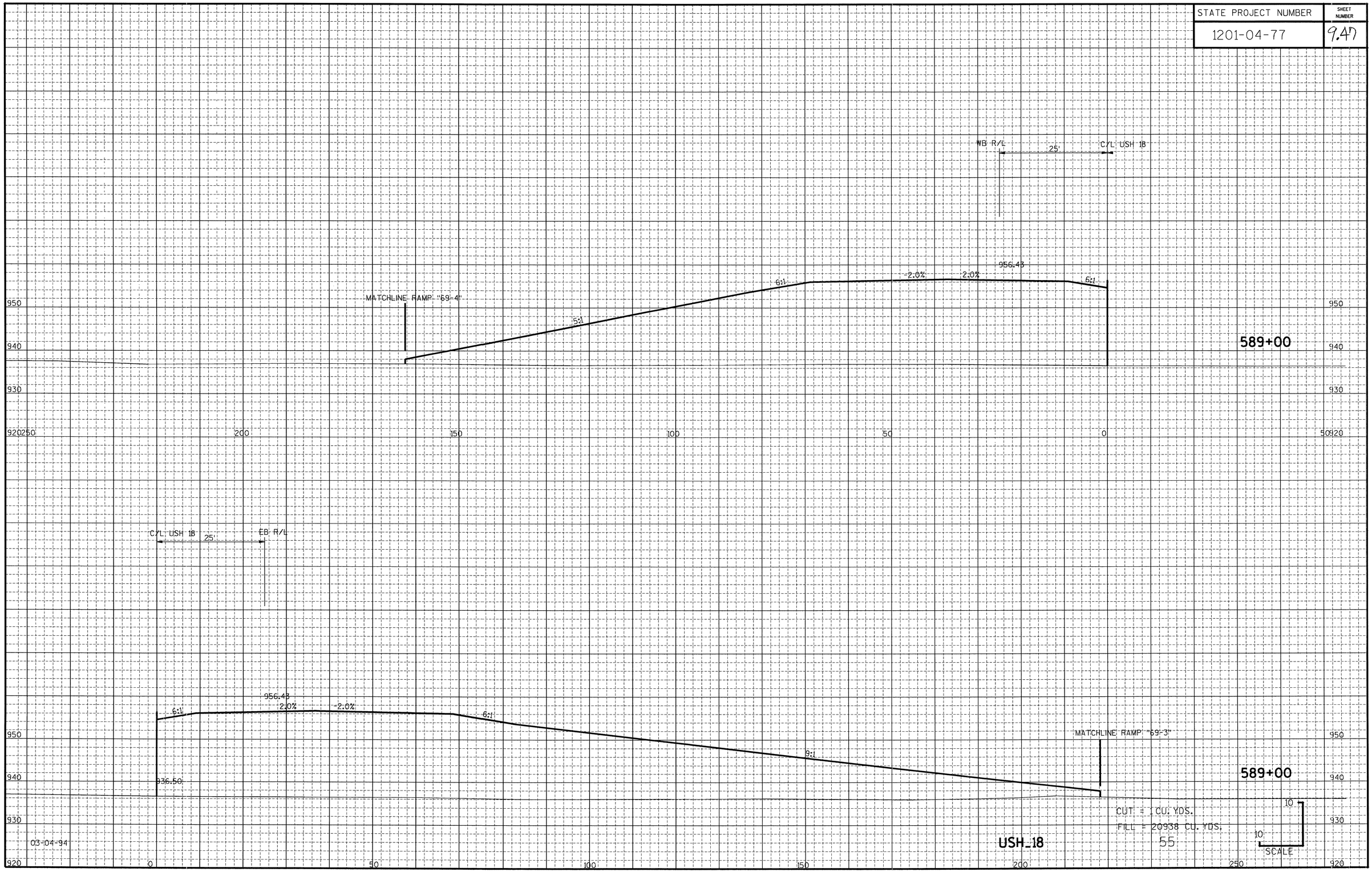
USH_18

53

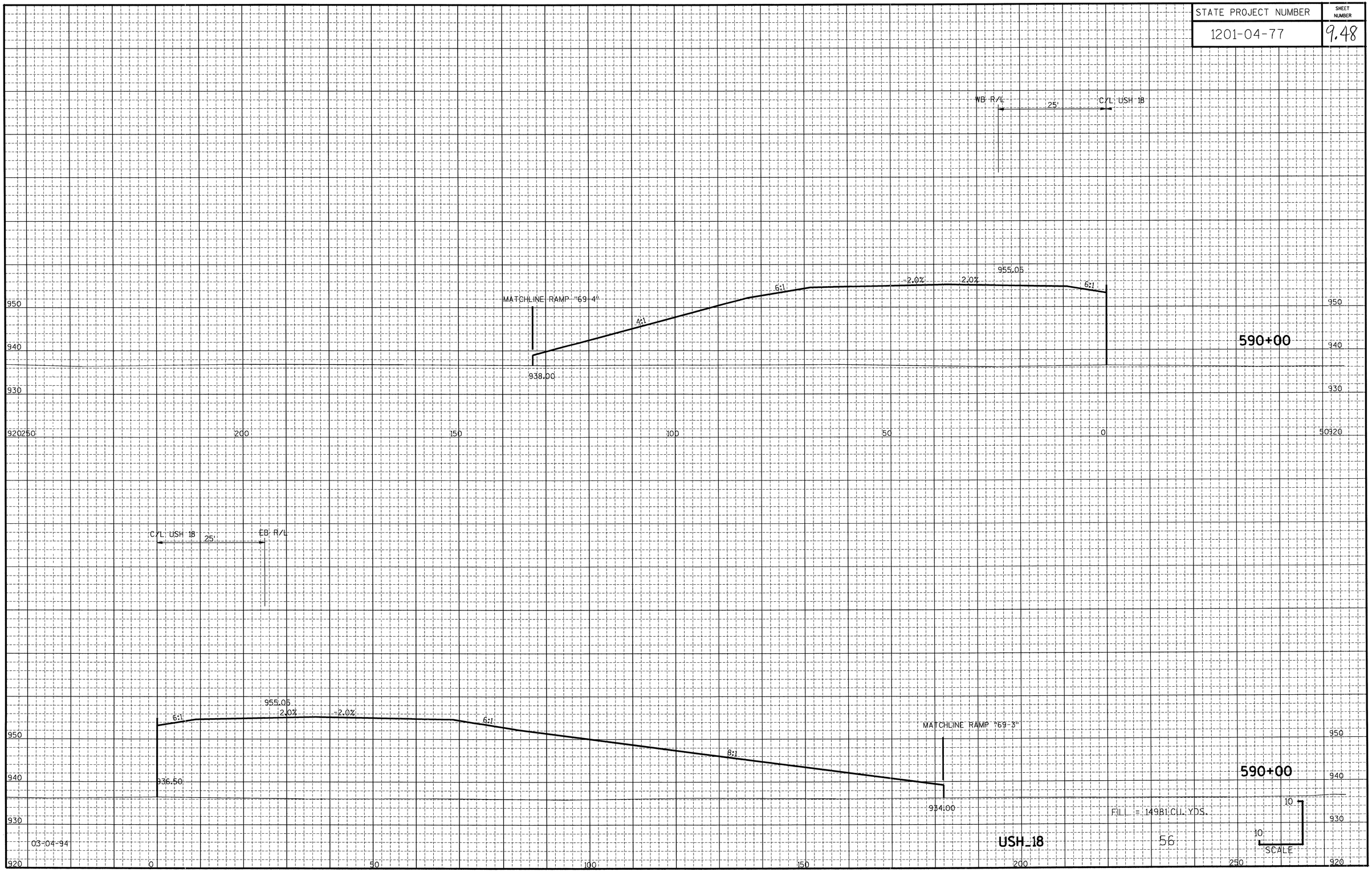
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.46



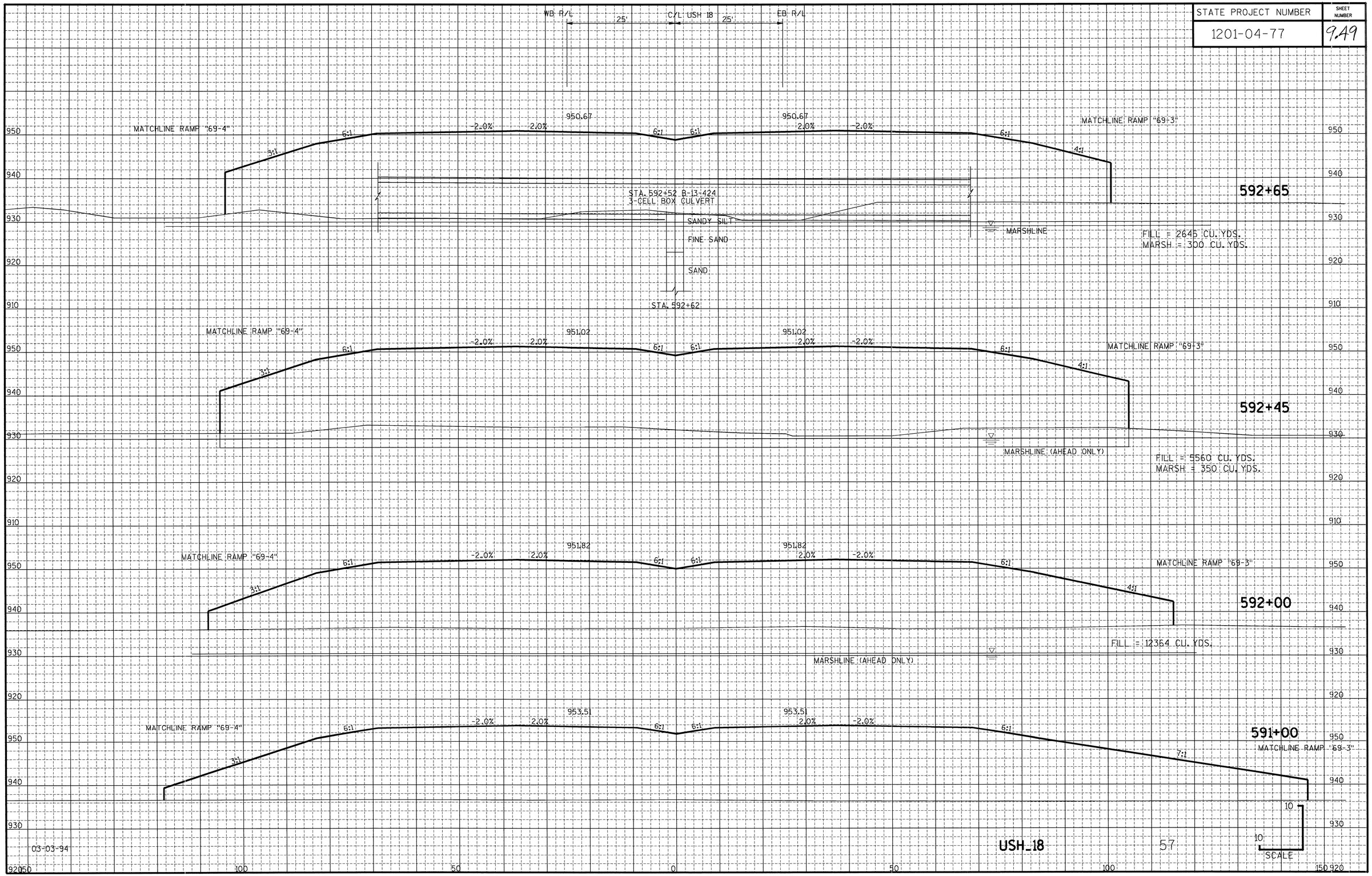
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.47



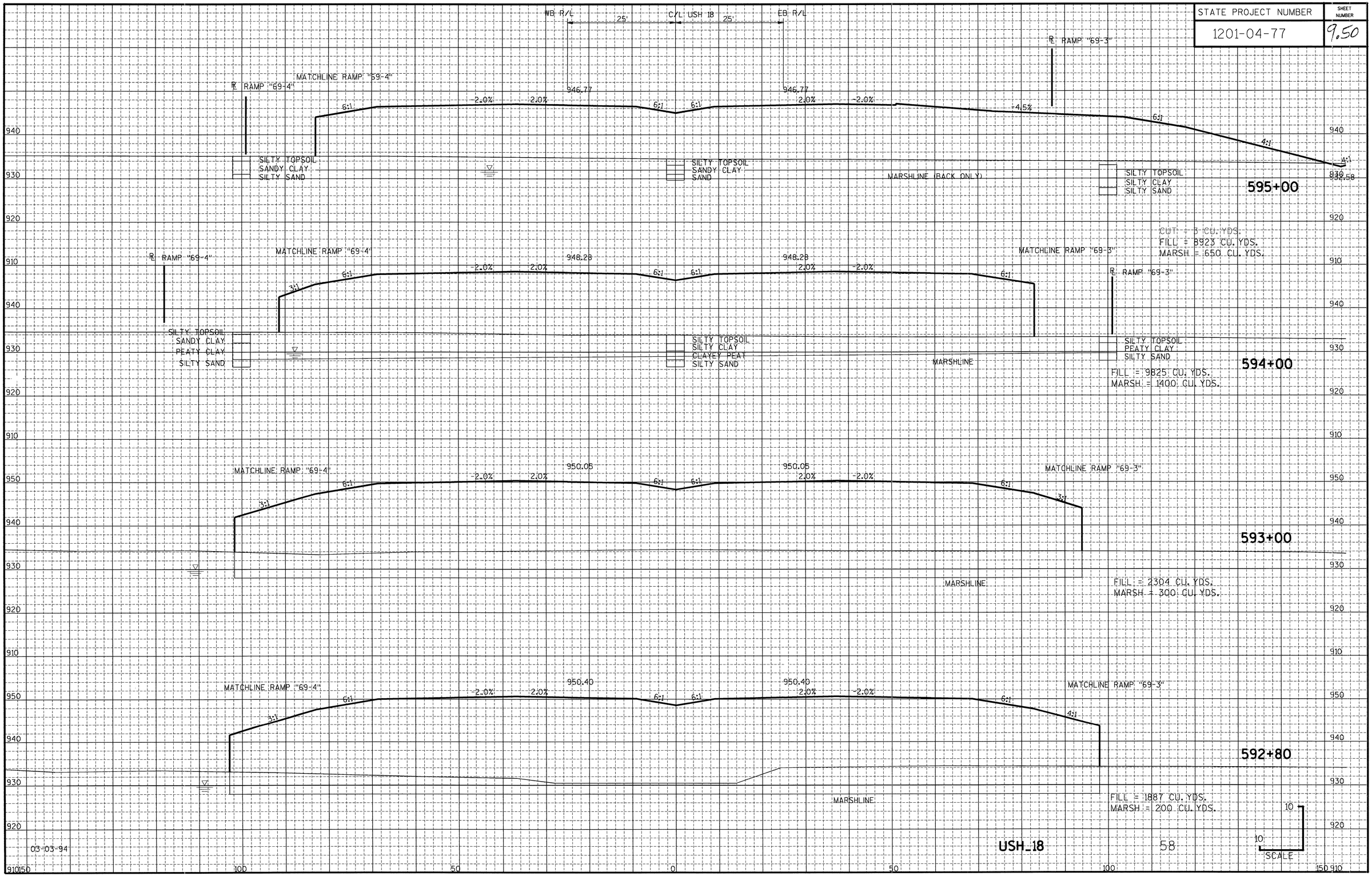
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.48



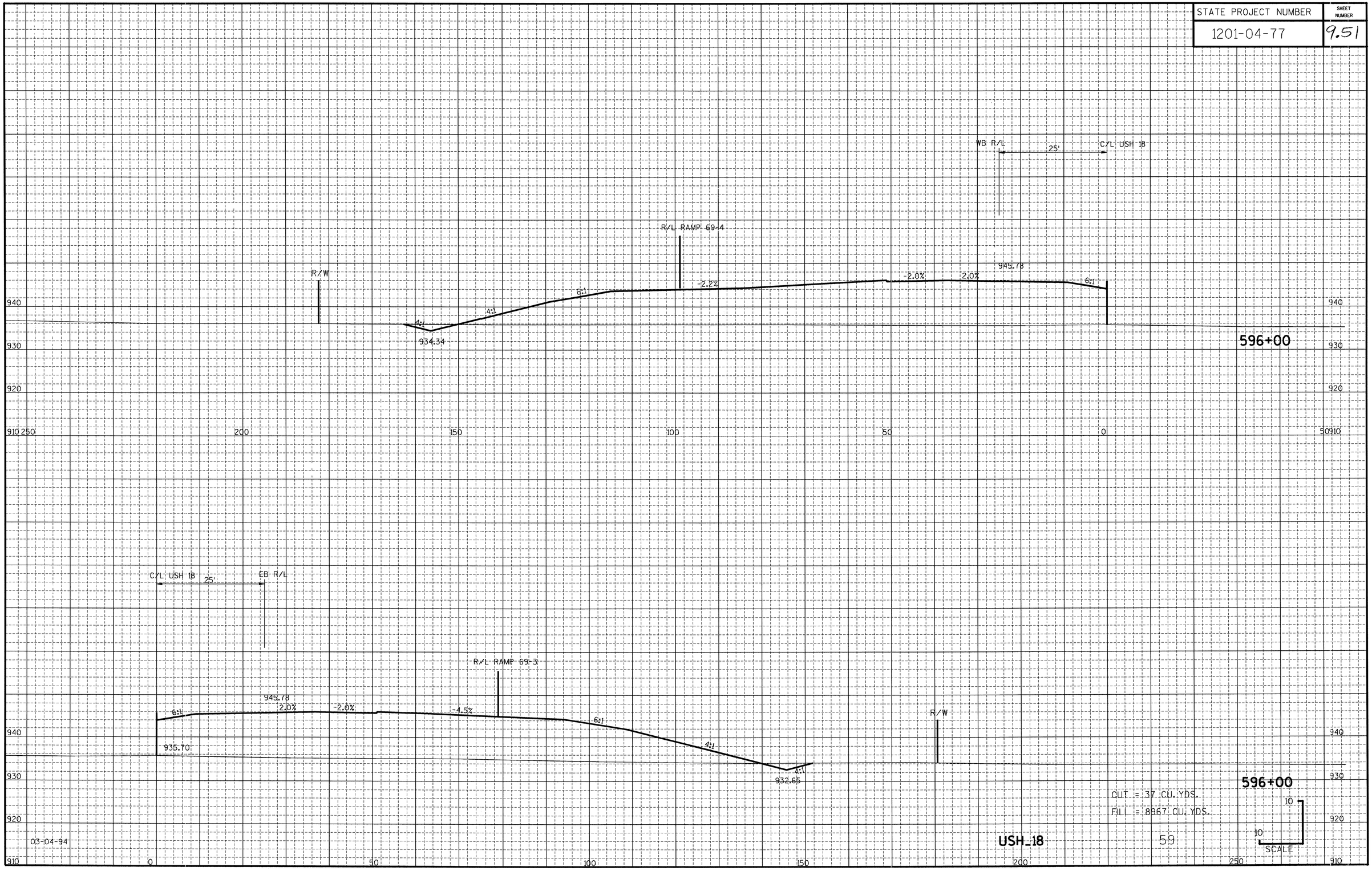
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.49



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.50



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.51



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.53

WB R/L — 25' — C/L USH 18 — 25' — EB R/L

601+40

℄ RAMP "69-4" | ℄ RAMP "69-3" | R/W

944.45 | INV. 945.00 | 949.40 | 947.59

-2.6% | -2.0% | 2.0% | 2.0% | -2.0% | -1.9%

4:1 | 6:1 | 6:1 | 6:1 | 6:1 | 4:1

P198
STA. 604+00 TO STA. 601+40, 86.5' LT.
1-24"X274 L.F. RCCP CLASS III REQ'D.
SKEW 72° LHB
1-APRON ENDWALL REQ'D.

CUT = 780 CU. YDS.
FILL = 216 CU. YDS.
ROCK = 500 CU. YDS.

601+00

℄ RAMP "69-4" | ℄ RAMP "69-3" | R/W | R/W + 30'

942.65 | 948.61 | 948.61 | 946.10

-3.1% | -2.0% | 2.0% | 2.0% | 2.0% | 2.0%

4:1 | 4:1 | 6:1 | 6:1 | 6:1 | 6:1 | 4:1 | 4:1

CUT = 185 CU. YDS.
FILL = 2556 CU. YDS.

600+00

℄ RAMP "69-4" | ℄ RAMP "69-3" | R/W

939.15 | 947.01 | 947.01 | 941.40

-3.2% | -2.0% | 2.0% | 2.0% | -2.0% | -2.0%

4:1 | 4:1 | 6:1 | 6:1 | 6:1 | 6:1 | 4:1 | 4:1

CUT = 19 CU. YDS.
FILL = 4808 CU. YDS.

599+00

℄ RAMP "69-4" | ℄ RAMP "69-3" | R/W + 20' | R/W

937.56 | 945.92 | 945.92 | 938.05

-3.3% | -2.0% | 2.0% | 2.0% | -2.0% | -2.0%

4:1 | 4:1 | 6:1 | 6:1 | 6:1 | 6:1 | 4:1 | 4:1

CUT = 55 CU. YDS.
FILL = 5841 CU. YDS.

598+00

℄ RAMP "69-4" | ℄ RAMP "69-3" | R/W + 30' | R/W

936.28 | 945.35 | 945.35 | 935.21

-3.1% | -2.0% | 2.0% | 2.0% | -2.0% | -2.0%

4:1 | 4:1 | 6:1 | 6:1 | 6:1 | 6:1 | 4:1 | 4:1

CUT = 152 CU. YDS.
FILL = 6682 CU. YDS.

960 / 950 / 940 / 930 / 920

03-03-94

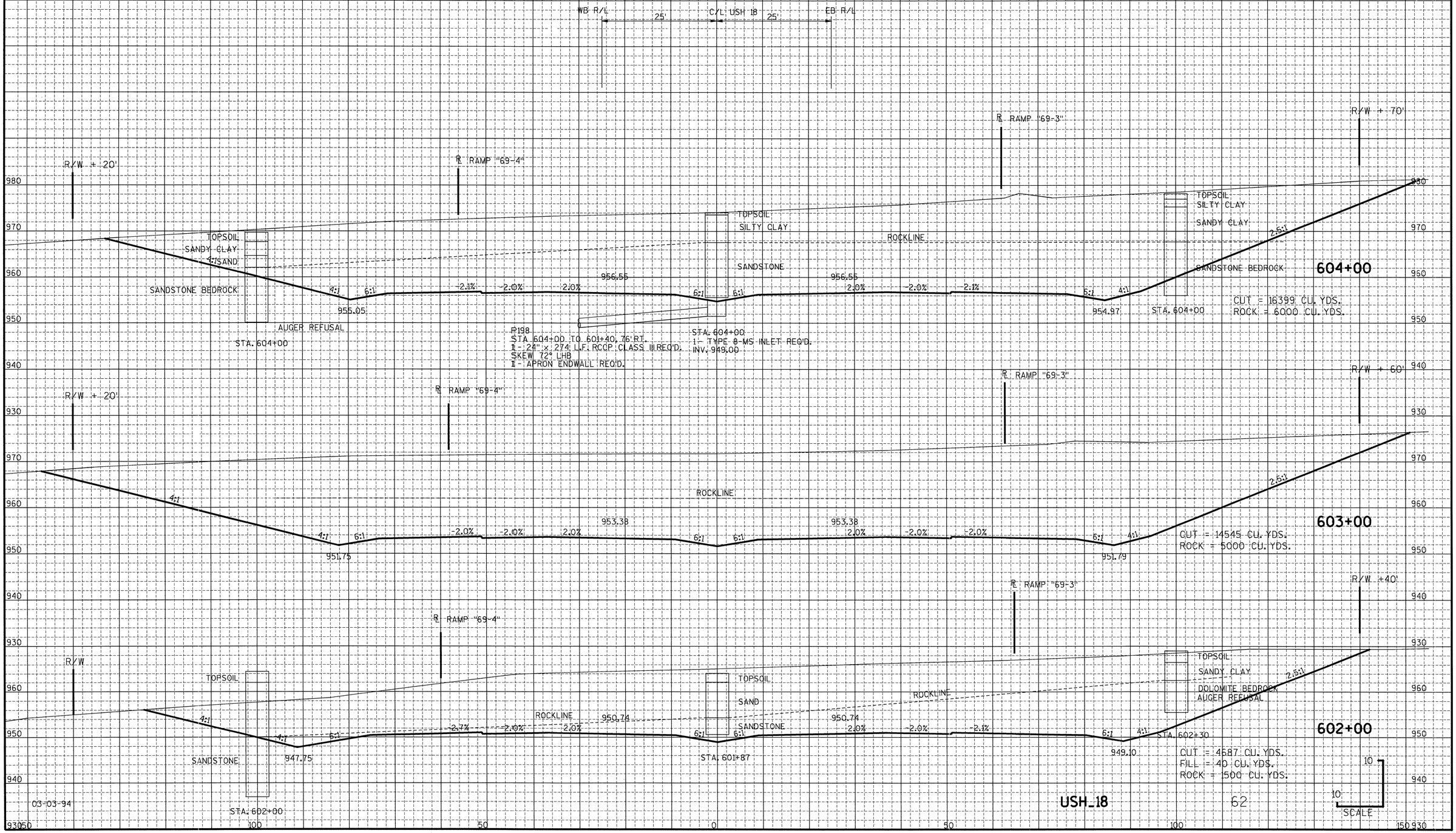
USH_18

61

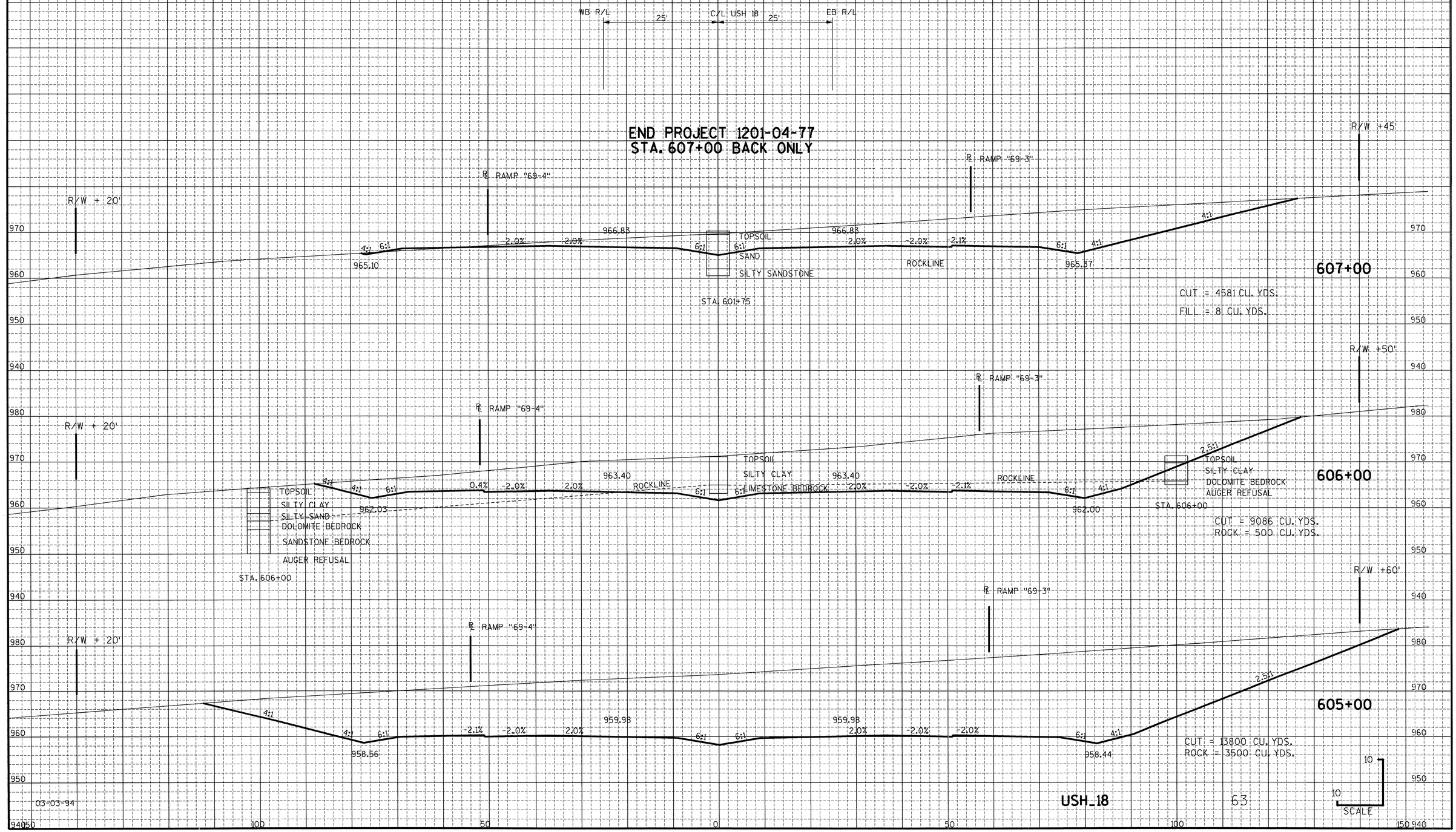
SCALE 10 10

50 100 50 0 50 100 150

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.54



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.55



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.56

WB R/L — 25' — C/L USH 18 — 25' — EB R/L

1000 990 980 970 960 950 940

R/W +60'

973.40 6:1 -2.0% 2.0% 6:1 6:1 2.0% -2.0% 6:1

R/W +68'

609+00

CUT = 10354 CU. YDS.

R/W +60'

970.22 -2.0% 2.0% 6:1 6:1 2.0% -2.0% -2.4% 6:1 968.82

R/W +76'

608+00

CUT = 7421 CU. YDS.

R/W +60'

STOCKPILED MATERIAL BY OTHERS
(I.D. 1201-04-75)

966.83 -2.0% 2.0% 6:1 6:1 2.0% -2.0% -2.1% 6:1 4:1 965.37

R/W +85'

607+00

CUT = 5430 CU. YDS.

2-28-94

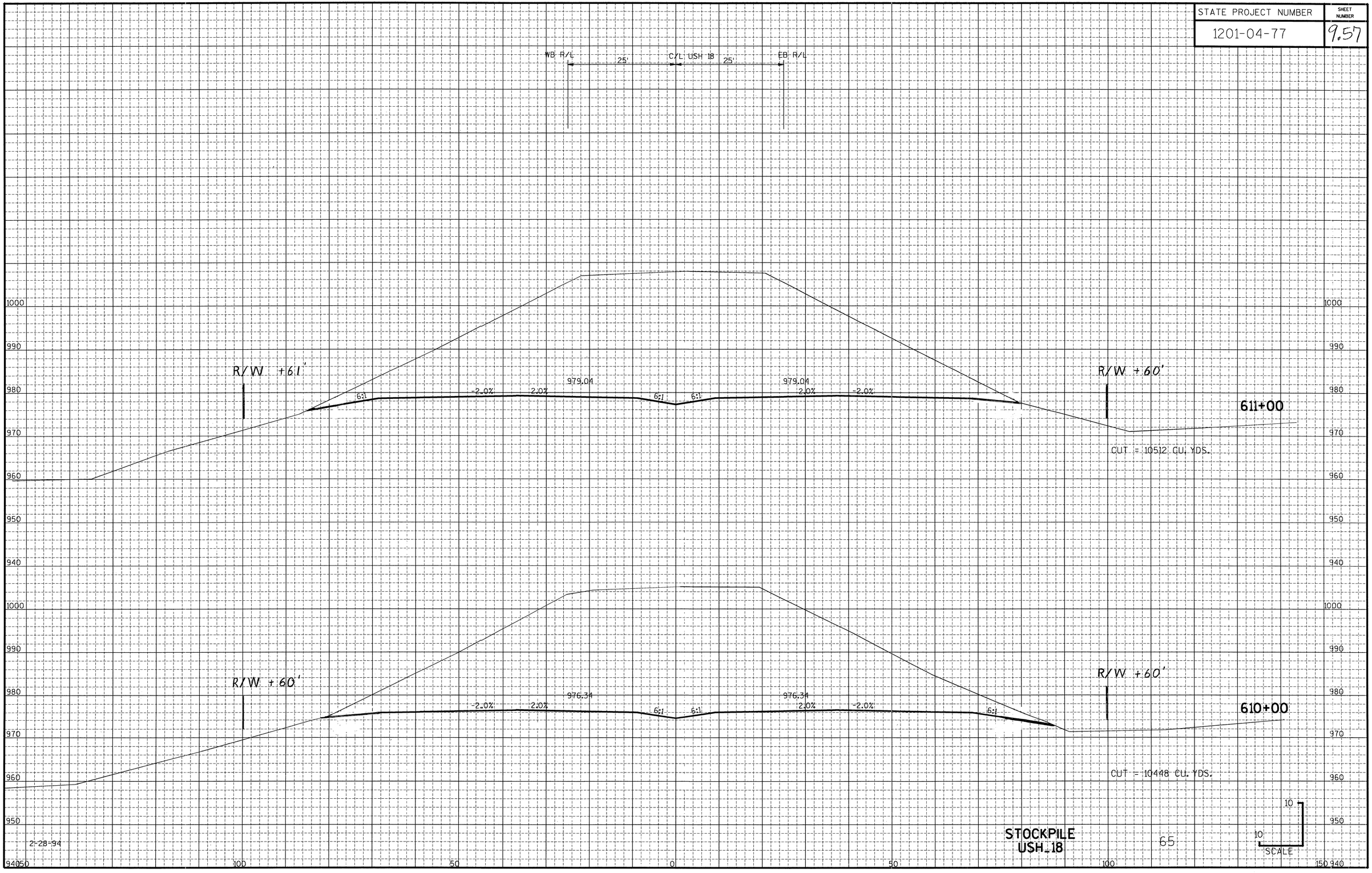
STOCKPILE
USH_18

64

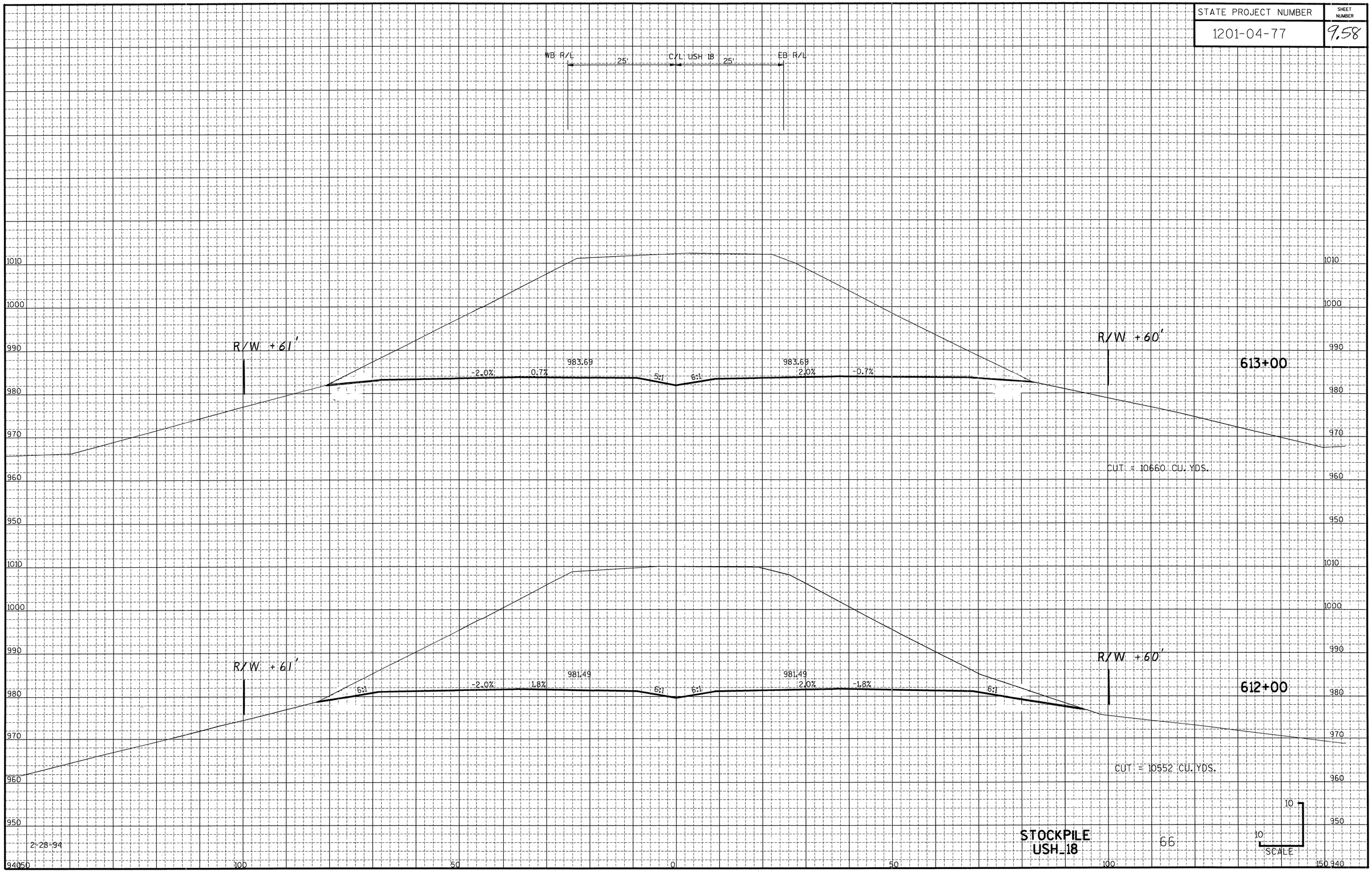
SCALE 10 10

50 100 50 0 50 100 150

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.57



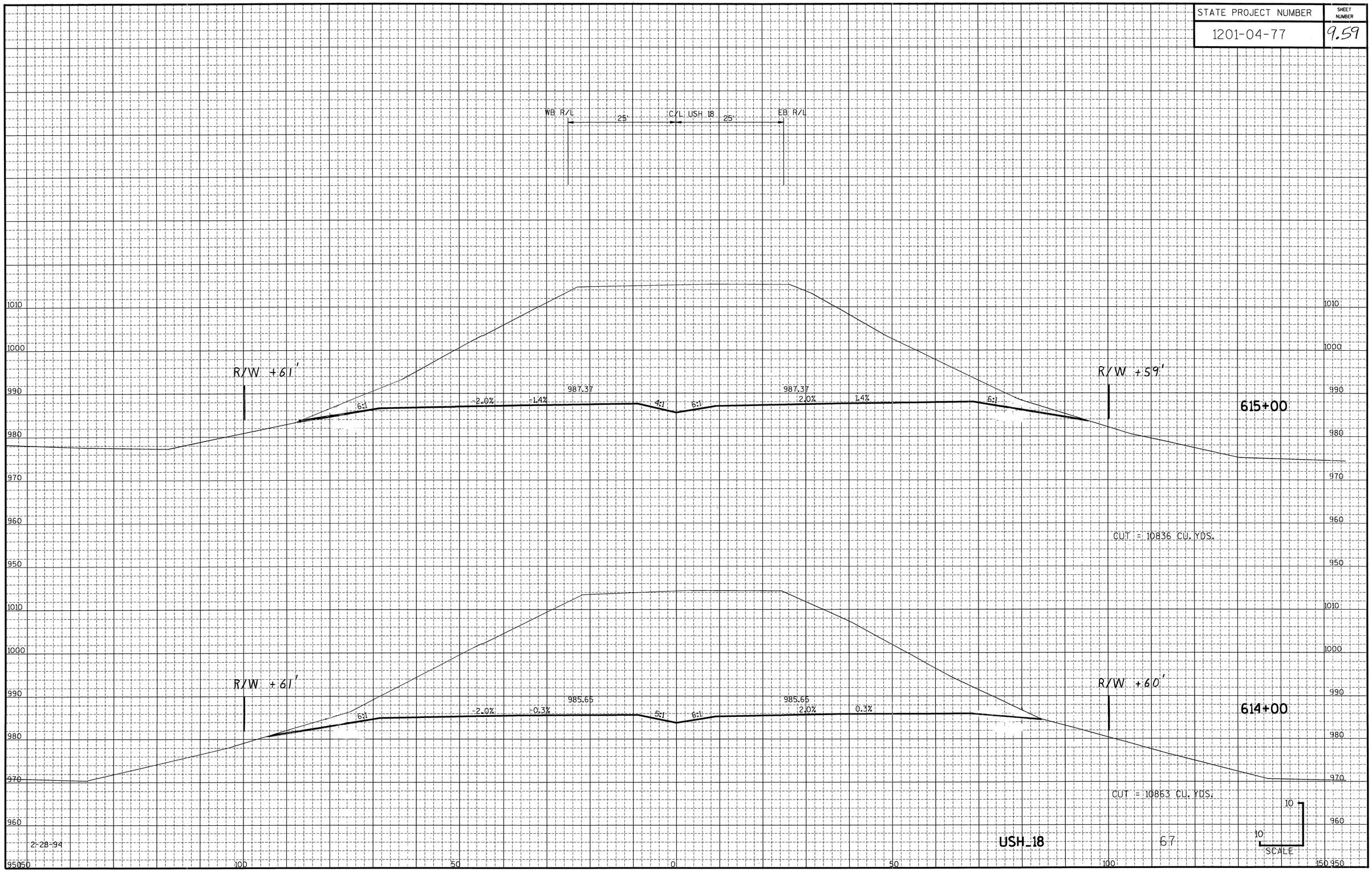
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.58



2-28-94

STOCKPILE USH_18

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.59

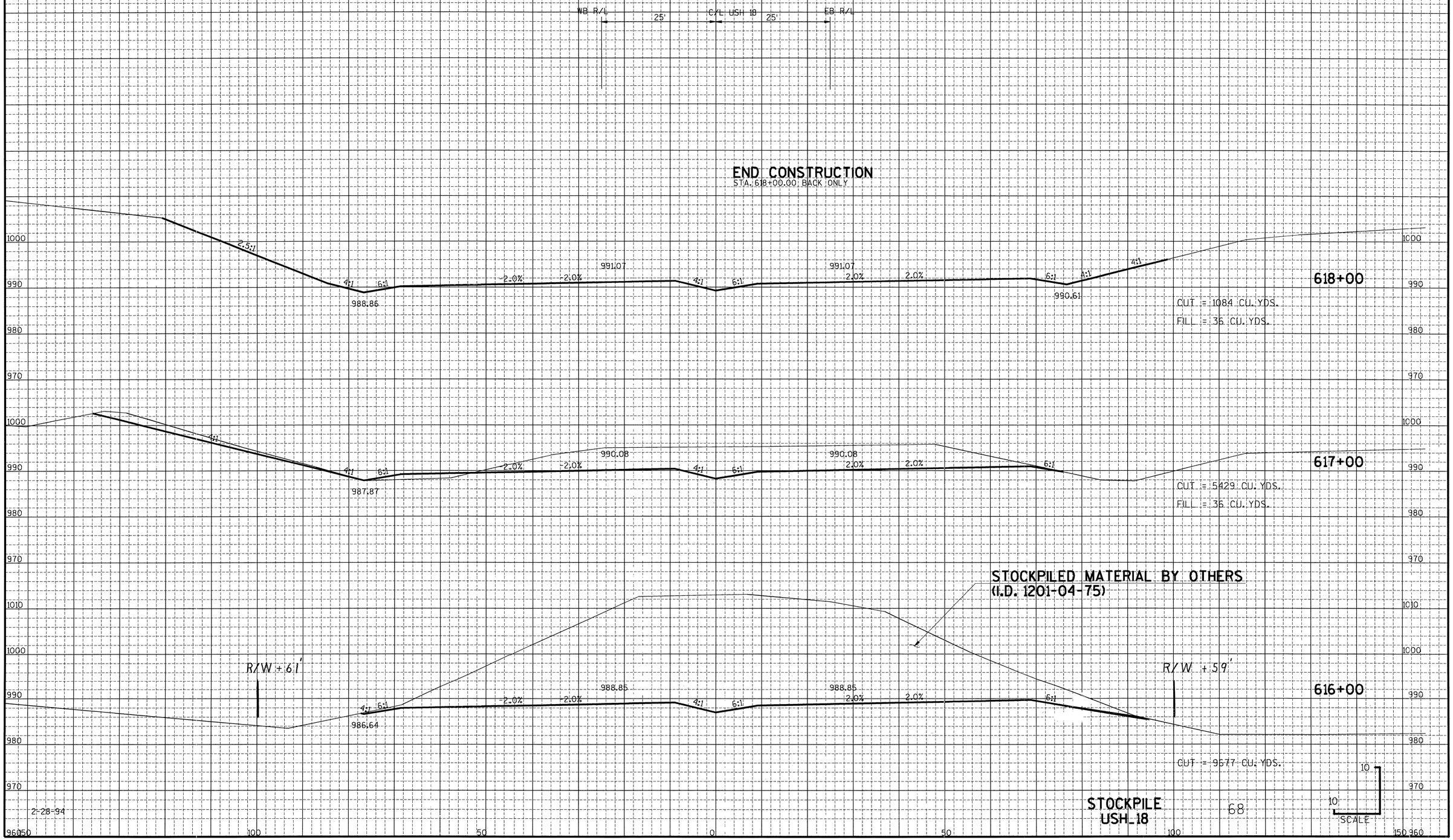


2-28-94

USH_18

67

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.60



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.61

R/L RAMP "W-1"

951.23
6:1
6:1
-6.0%
8:1
3:1
4:1
933.16
931.18
MARSHLINE
TOPSOIL
SANDY CLAY
SAND
STA. 514+00

R/W
514+00
CUT = 18 CU. YDS.
FILL = 7946 CU. YDS.
MARSH = 1400 CUL YDS.

948.88
6:1
6:1
-6.0%
8:1
3:1
4:1
MATCHLINE
933.60
MARSHLINE
932.92

R/W
513+00
CUT = 128 CU. YDS.
FILL = 4390 CU. YDS.
MARSH = 800 CU. YDS.

946.52
6:1
6:1
-6.0%
1:1
3:1
4:1
MATCHLINE
935.99
937.78

R/W
512+00
CUT = 955 CU. YDS.
FILL = 1047 CU. YDS.

BUILD EMBANKMENT TO 1 FOOT ABOVE SUBGRADE ELEVATION TO ALLOW FOR SETTLEMENT STA. 511+00.00 TO STA. 523+50.00

944.19
-2.6%
1:1
6:1
4:1
MATCHLINE
937.20
943.31
MATCHLINE

R/W
511+00

BEGIN EARTHWORK AHEAD ONLY
BEGIN CONSTRUCTION
AHEAD ONLY STA. 511+00.00

1-21-94

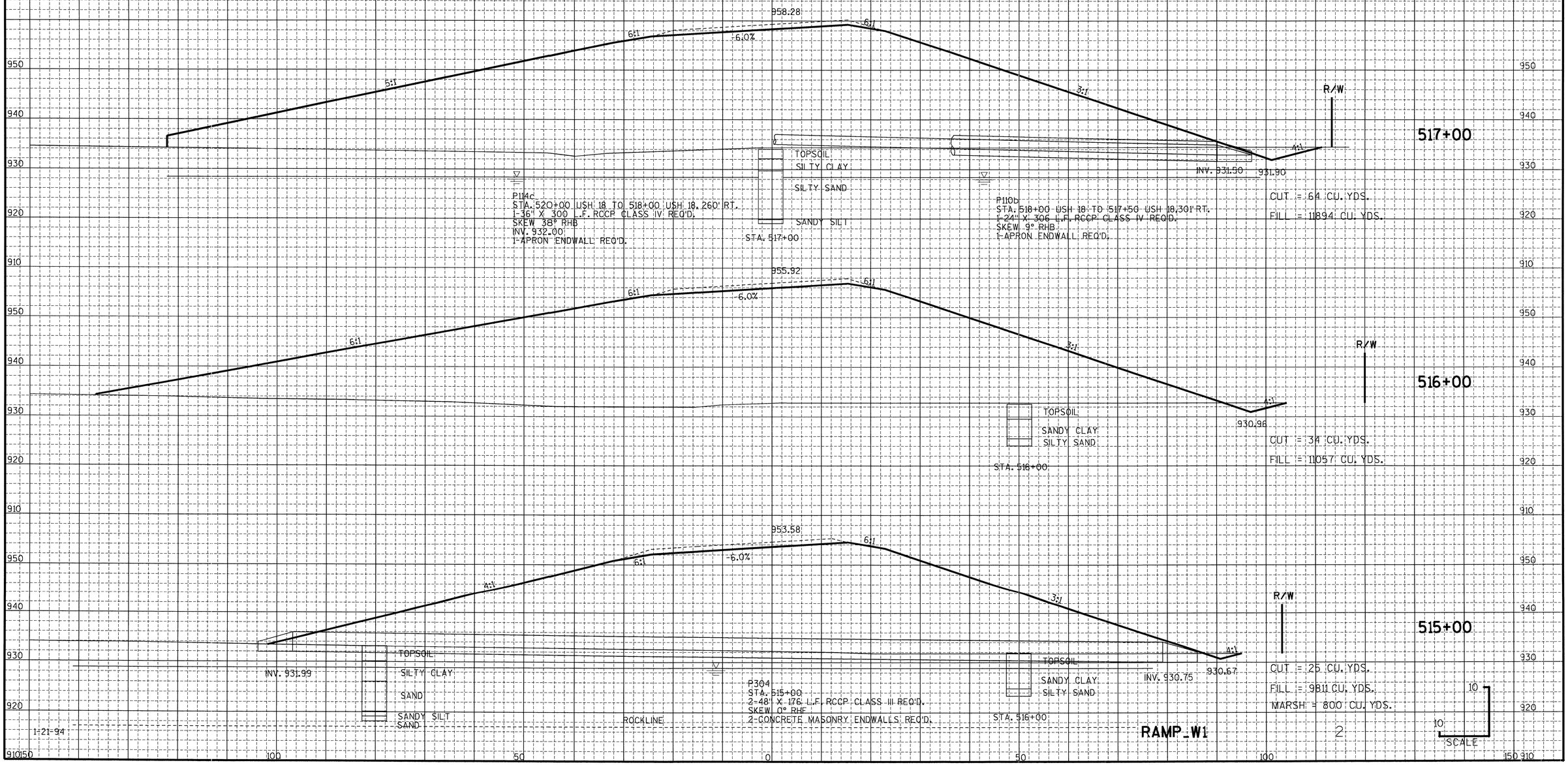
RAMP_W1

1

SCALE

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.62

R/L RAMP "W-1"



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.63

R/L RAMP "W-1"

30' BRIDGE

967.68

2.0% 2.0%

6:1 6:1

4:1 4:1

960 950 940 930

521+00

FILL = 5142 CU. YDS.

30' BRIDGE

965.32

2.0% 2.0%

6:1 6:1

3:1 3:1

960 950 940

520+00

FILL = 7809 CU. YDS.

30' BRIDGE

962.98

2.0% 2.0%

6:1 6:1

3:1 3:1

960 950 940 930

519+00

R/W

CUT = 38 CU. YDS.

FILL = 9716 CU. YDS.

TOPSOIL

CLAYEY SAND

SANDY SILT

CLAYEY SILT

SAND

SANDY SILT

CONSTRUCT RAMP "W-1" EMBANKMENT THROUGH B-13-404 STATION 518+00.00 TO STA. 521+00.00 REMOVE EMBANKMENT PRIOR TO BRIDGE CONSTRUCTION

STA. 519+50

960.63

4.3%

6:1 6:1

960 950 940 930 920

MATCHLINE USH 18

2.5:1

3:1

4:1

936.82

933.45

518+00

R/W

CUT = 80 CU. YDS.

FILL = 11117 CU. YDS.

960 950 940 930 920

1-21-94

RAMP_W1

3

SCALE 10 10

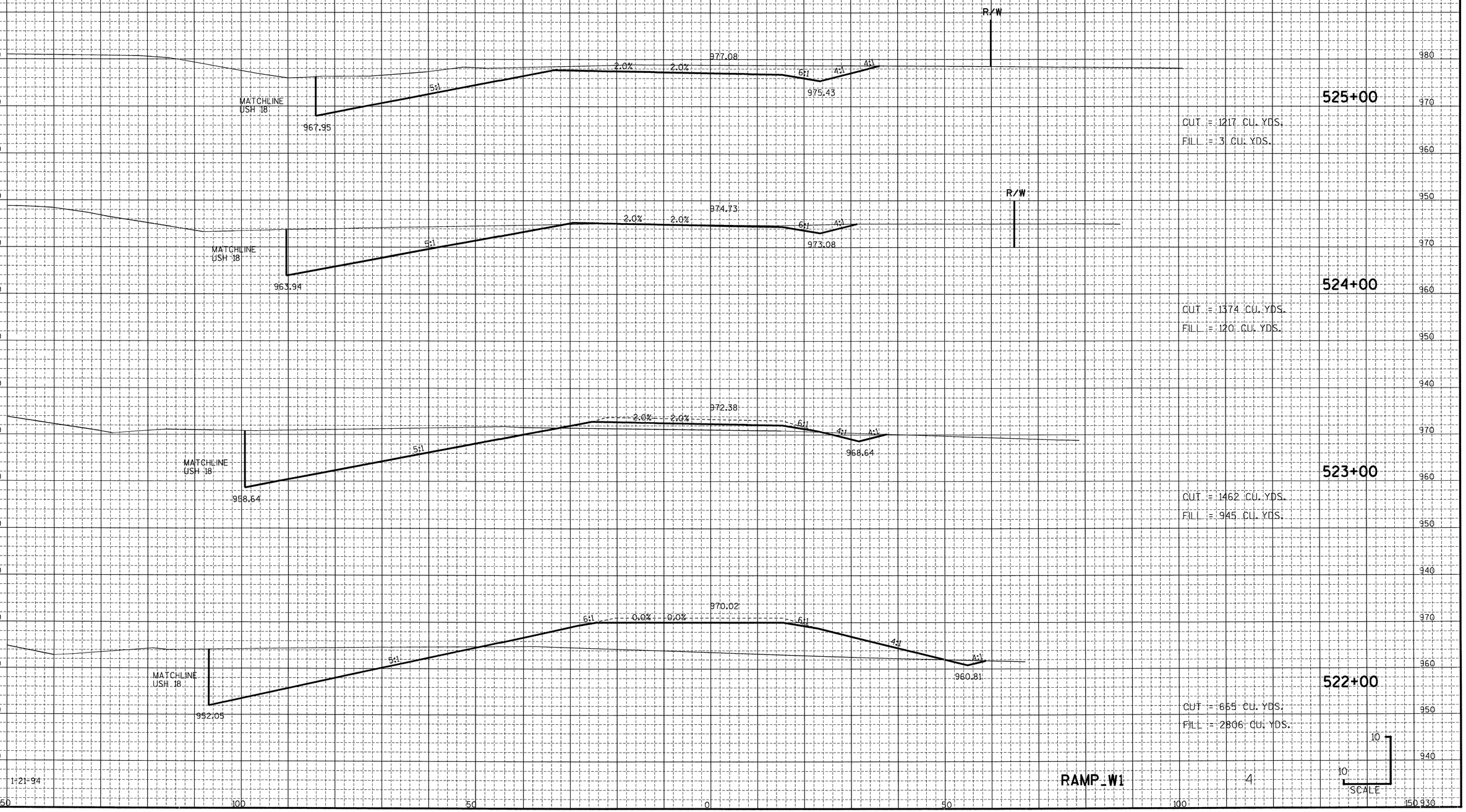
910 150 100 50 0 50 100 150 210

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.64

R/L RAMP "W-1"

END EARTHWORK BACK ONLY
END CONSTRUCTION

BACK ONLY STA. 525+00.00



RAMP_W1

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.65

R RAMP "69-1"

R/W

STA. 579+00. 80' LT.
1 - 4"x150 L.F. PU REQD.
SKEW 0° RHF
(SEE CONSTRUCTION DETAIL FOR THE TREATMENT OF SPRINGS IN ROADWAY

959.17 3.5% 6:1 958.70

6:1 4:1 4:1

MATCHLINE USH 18

CONSTRUCT SODDED BACKSLOPE FLUME (SEE SDD) BOTTOM WIDTH 5"

949.21

578+00

CUT = 1688 CU. YDS.
FILL = 568 CU. YDS.

R/W

MATCHLINE USH 18

961.84 3.5% 6:1

4:1

SILTY TOPSOIL
CLAYEY SAND
4:1
SILTY SAND
SANDY CLAY

961.36

952.21

STA. 557+00

AUGER REFUSAL

577+00

CUT = 3423 CU. YDS.
FILL = 27 CU. YDS.

R/W

+ 100'

963.69 3.5% 6:1

2.5:1 6:1 4:1

963.21

MATCHLINE USH 18

954.21

576+00

CUT = 3456 CU. YDS.
FILL = 108 CU. YDS.

R/W

+ 100'

964.73 3.5% 6:1

964.25

MATCHLINE USH 18

2.5:1 6:1 4:1

CONSTRUCT INTERCEPTING EMBANKMENT
STA. 566+00 USH 18 TO STA. 578+00 RAMP "59-1"
SEE SDD

955.21

575+00

BEGIN EARTHWORK AHEAD ONLY
STA. 575+00.00

1-19-94

RAMP_691

1

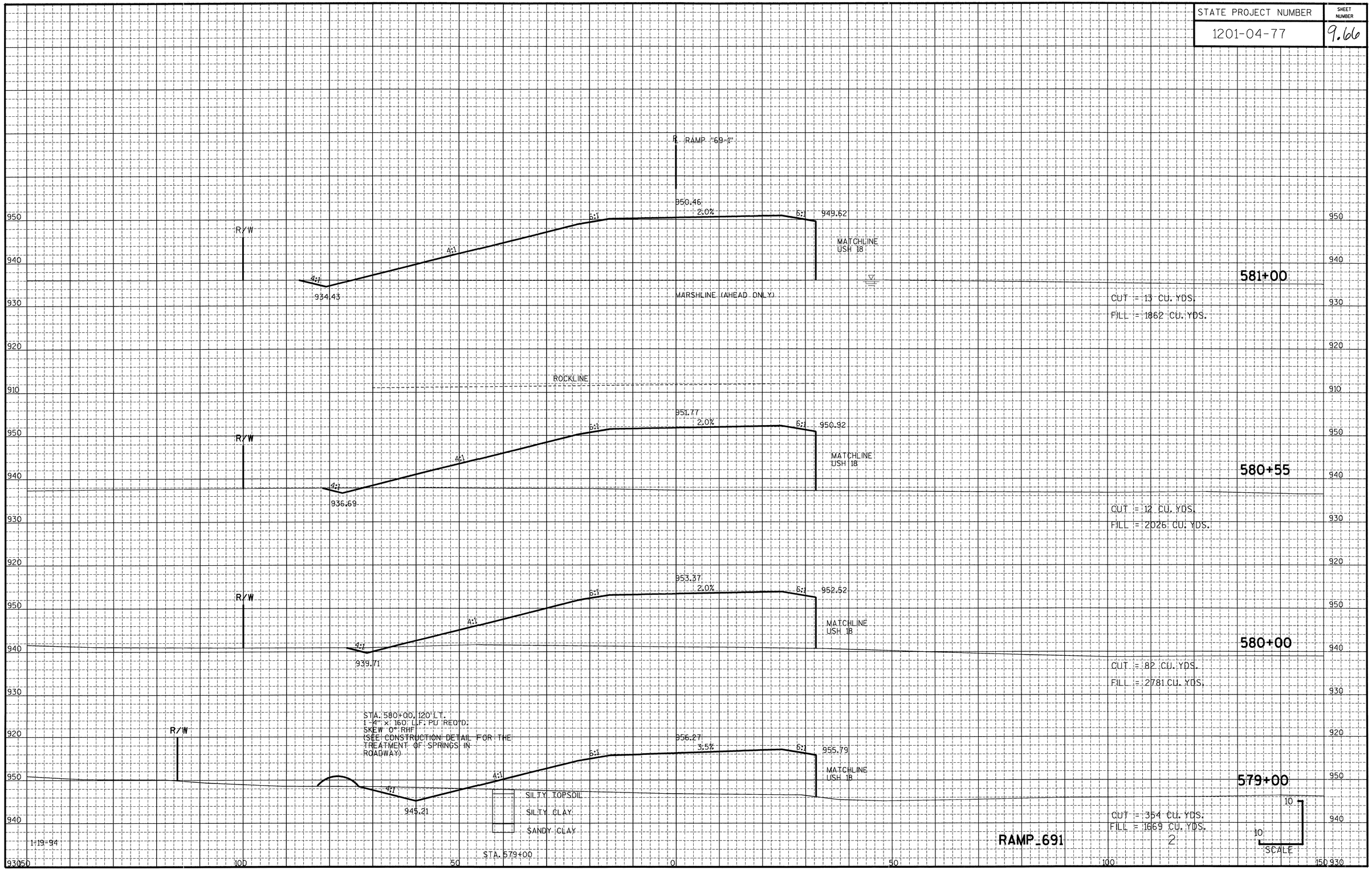
10
10

SCALE

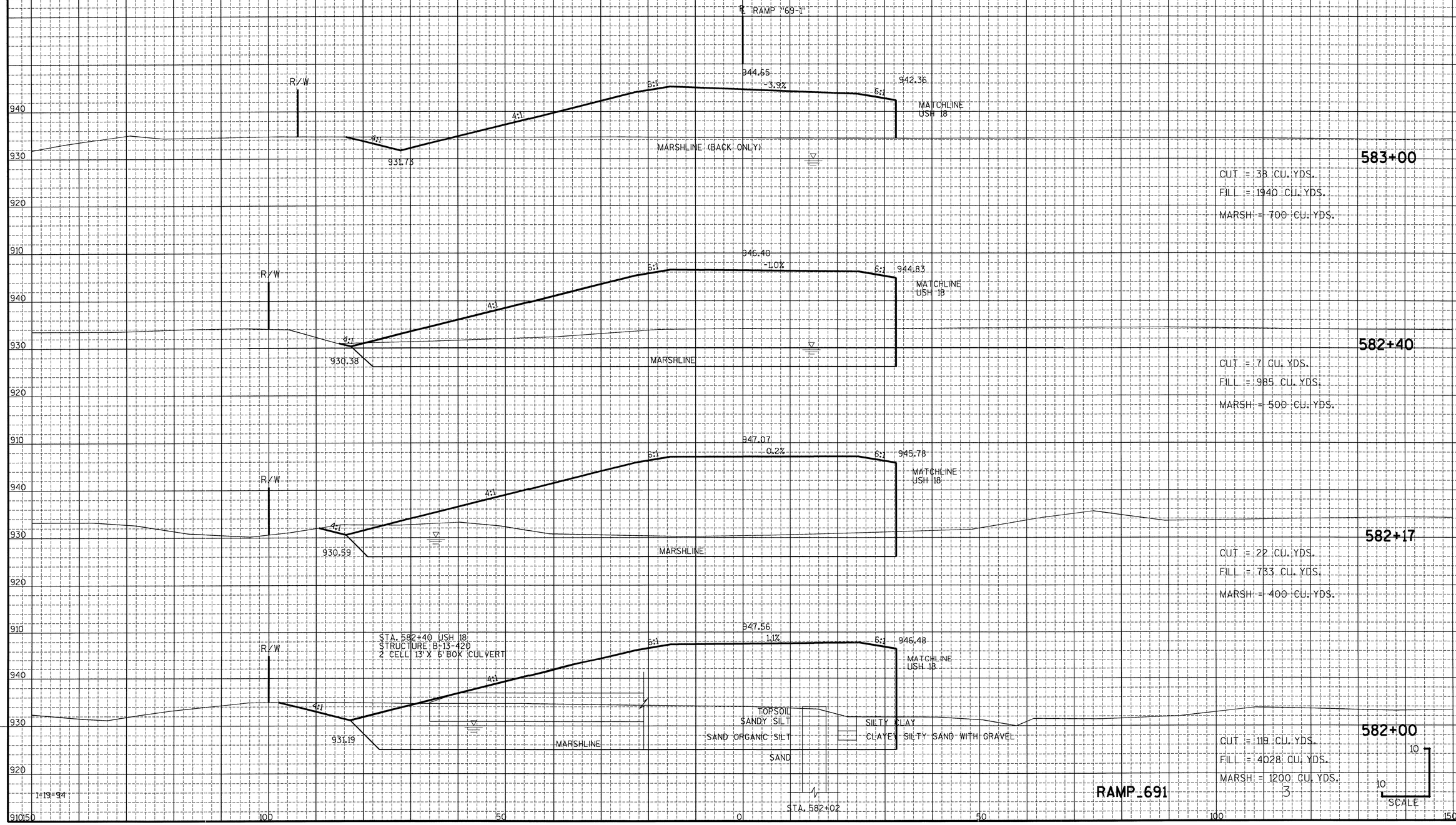
960 950 940 930 970

150 100 50 0 50 100 150

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.66



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.67



583+00

CUT = 38 CU. YDS.

FILL = 1940 CU. YDS.

MARSH = 700 CU. YDS.

582+40

CUT = 7 CU. YDS.

FILL = 985 CU. YDS.

MARSH = 500 CU. YDS.

582+17

CUT = 22 CU. YDS.

FILL = 733 CU. YDS.

MARSH = 400 CU. YDS.

582+00

CUT = 118 CU. YDS.

FILL = 4028 CU. YDS.

MARSH = 1200 CU. YDS.

1-19-94

RAMP_691

3

10

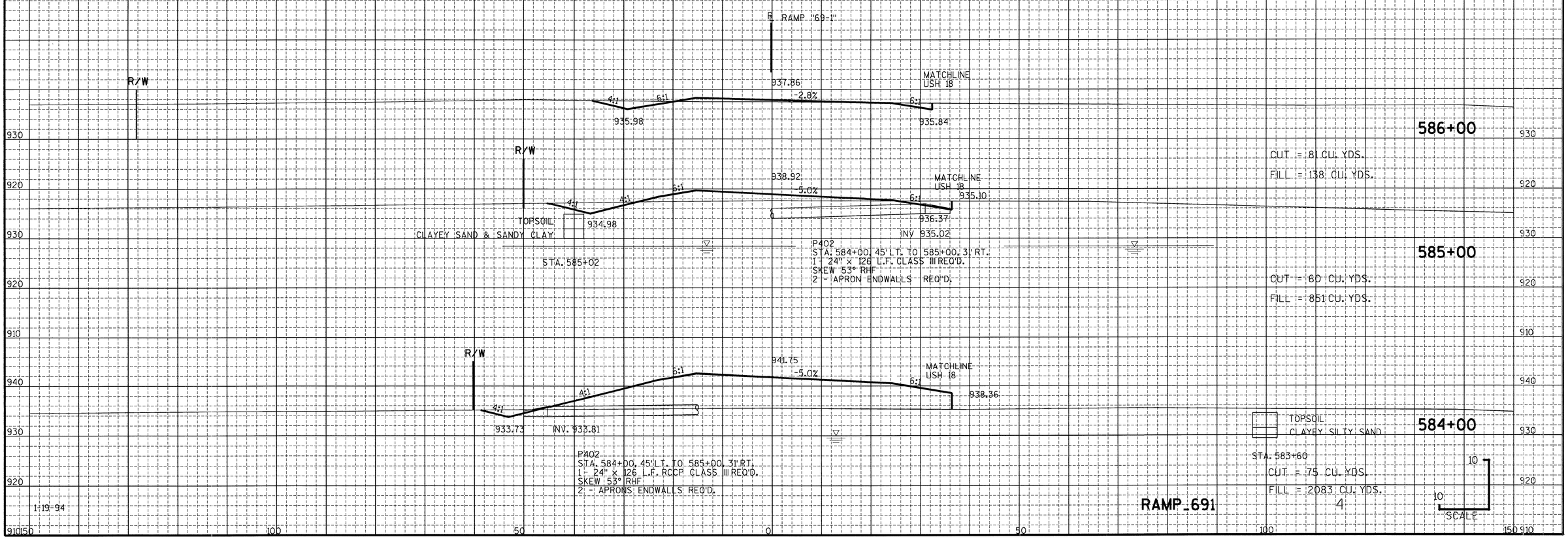
10

SCALE

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.68

END EARTHWORK BACK ONLY

STA. 586+00.00

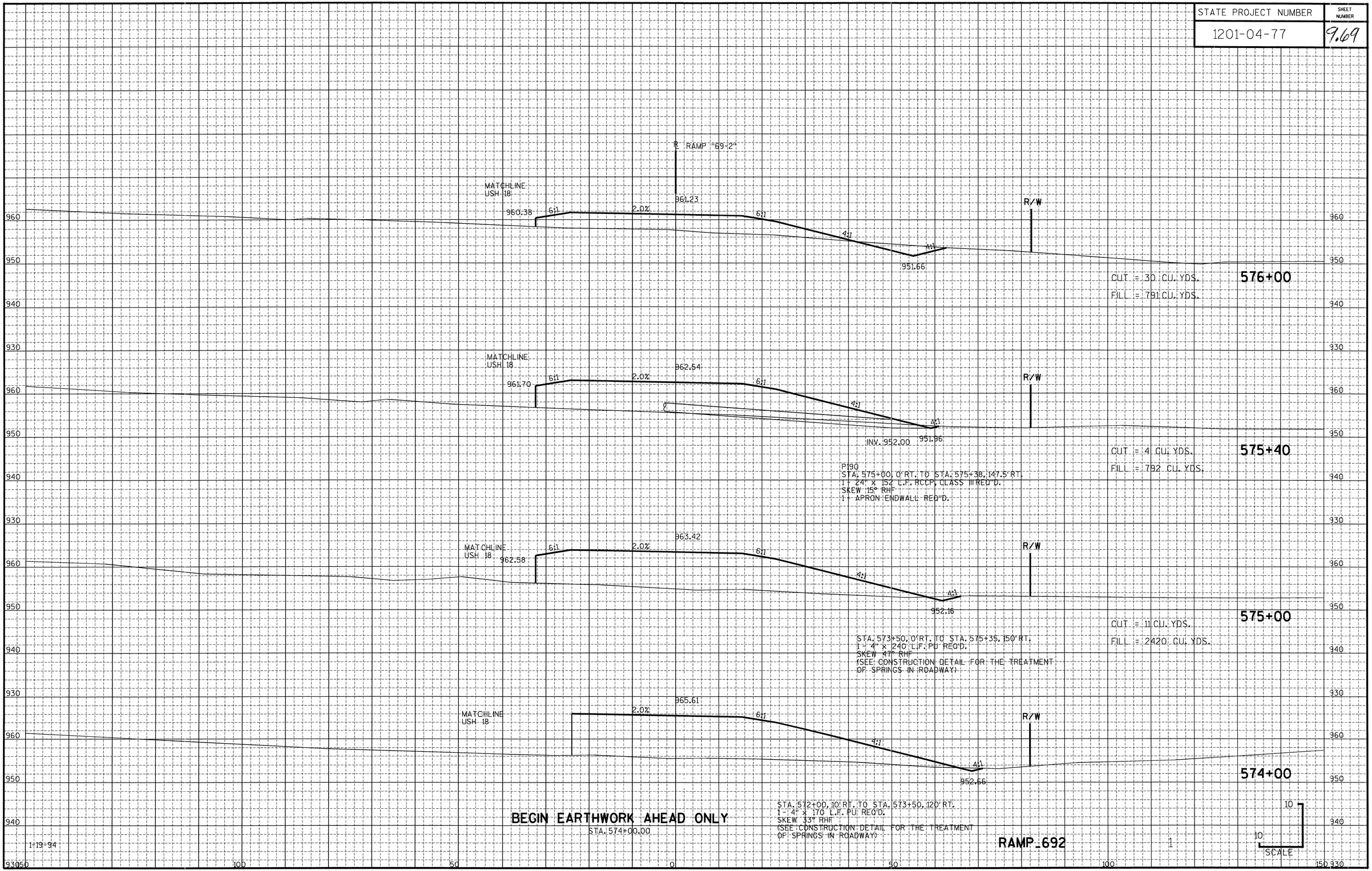


1-19-94

RAMP_691

4

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.69



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.70

℄ RAMP "69-2"

960 / 950 / 940 / 930

R/W

953.54

2.0%

6:1

952.69

MATCHLINE USH 18

ROCKLINE

6:1

4:1

949.66

2.5:1

TOPSOIL
SANDY CLAY
SANDY CLAY
SANDSTONE

AUGER REFUSAL
STA. 579+00

579+00

CUT = 1949 CU. YDS.

R/W

956.56

2.0%

6:1

955.72

MATCHLINE USH 18

ROCKLINE

6:1

4:1

950.66

2.5:1

578+00

CUT = 1106 CU. YDS.

R/W

957.87

2.0%

6:1

957.02

MATCHLINE USH 18

ROCKLINE

6:1

4:1

950.91

2.5:1

577+50

CUT = 891 CU. YDS.

R/W

959.03

2.0%

6:1

958.19

MATCHLINE USH 18

SILTY TOPSOIL

SANDY CLAY

BROWN SANDSTONE

ROCKLINE

6:1

4:1

951.16

3:1

TOPSOIL
SANDY CLAY
SILTY CLAY
SILTY SAND
SANDY DOLOMITE BEDROCK
SANDSTONE

STA. 577+00

577+00

CUT = 729 CU. YDS.
FILL = 424 CU. YDS.

10
10
SCALE

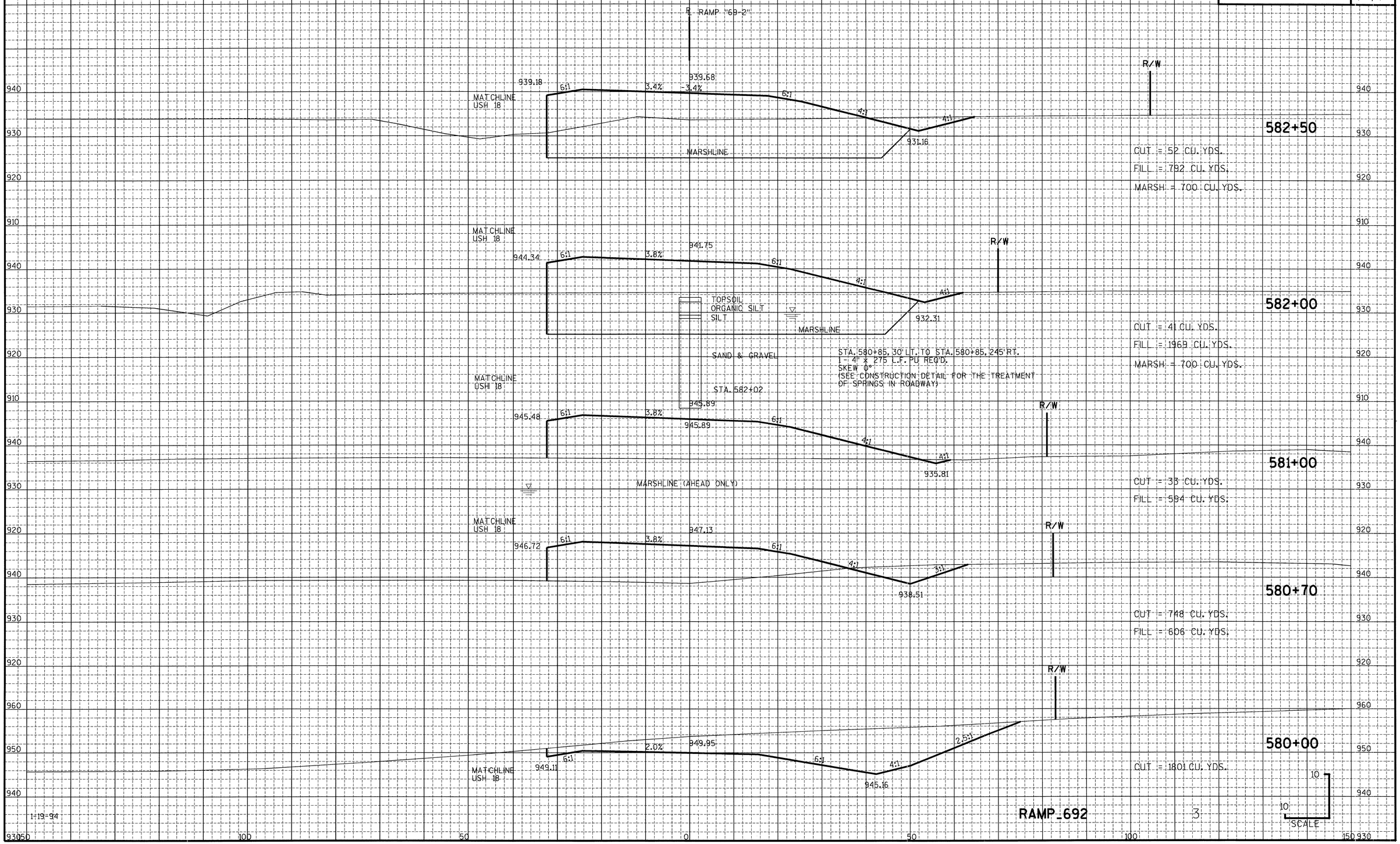
1-19-94

RAMP_692

2

930 50 100 50 0 50 100 150 930

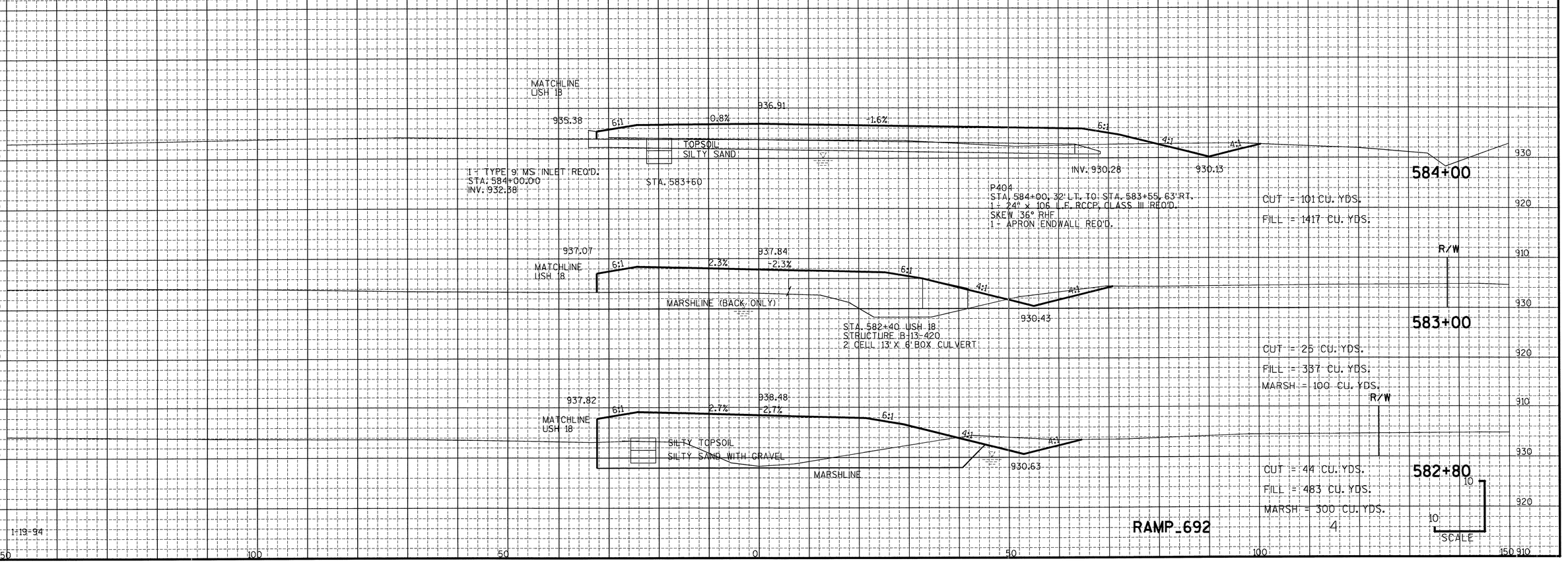
STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.71



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.72

END EARTHWORK BACK ONLY
STA. 584+00.00

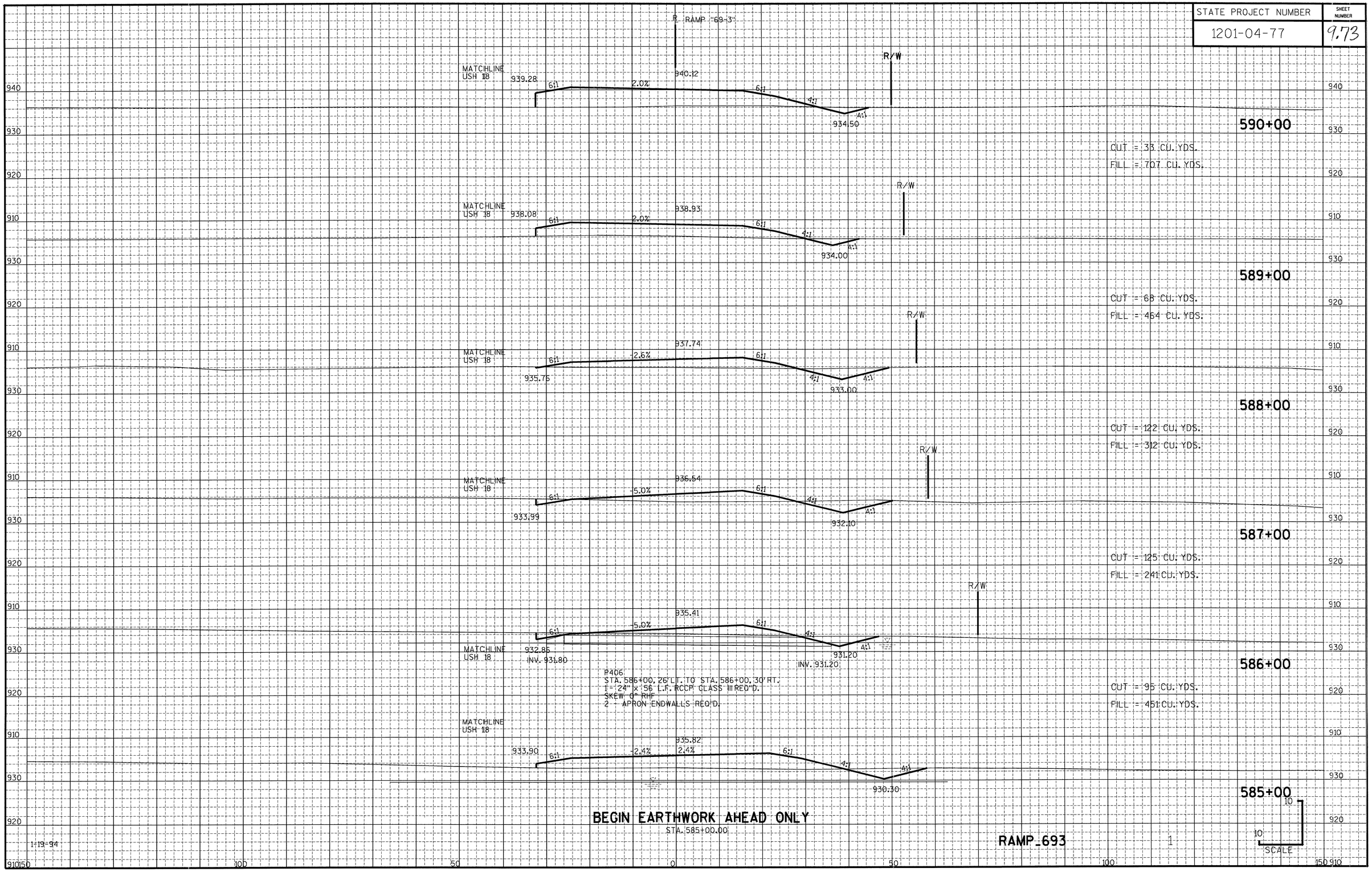
℄ RAMP "69-2"



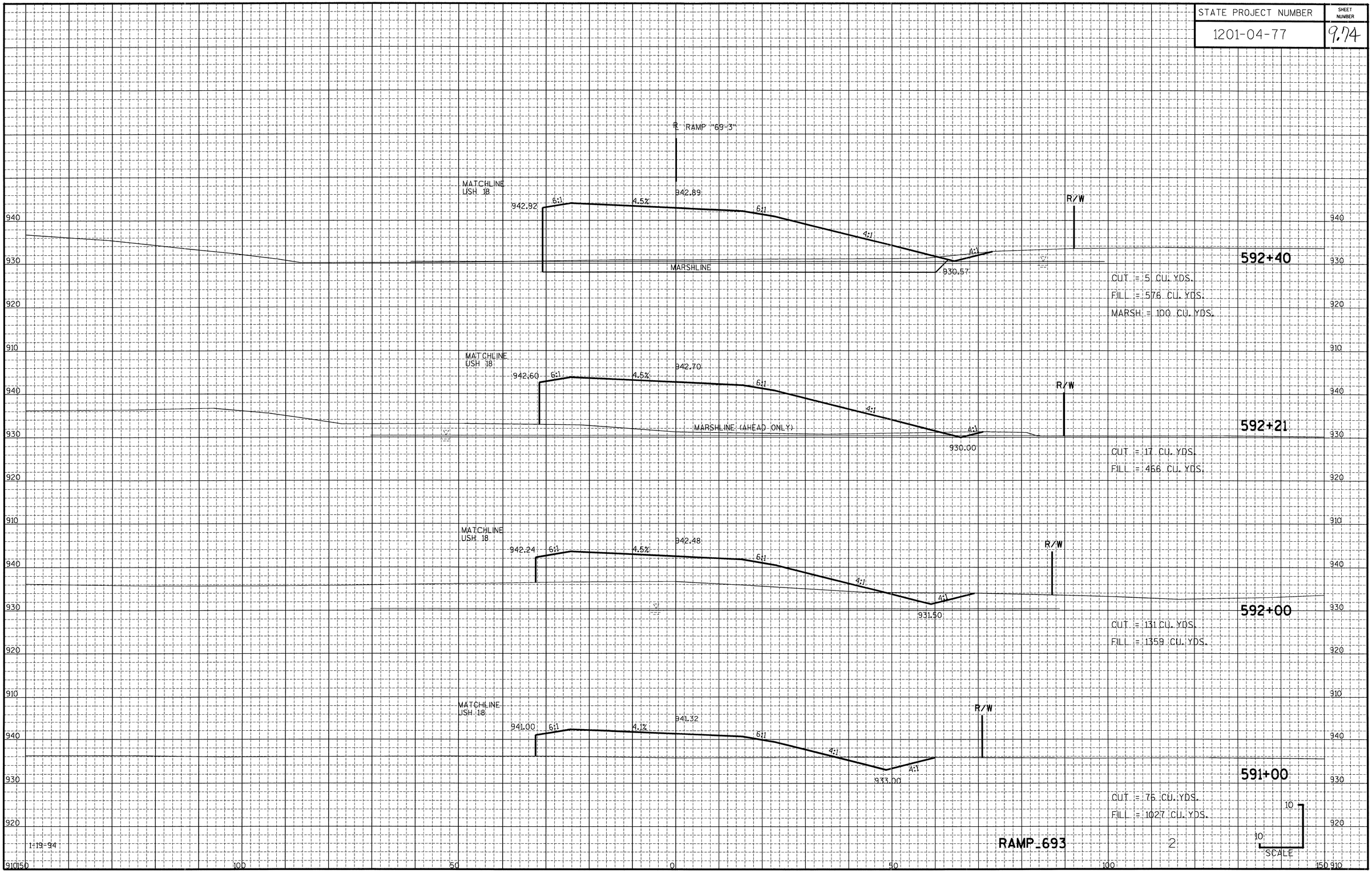
1-19-94

RAMP_692

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.73



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.74

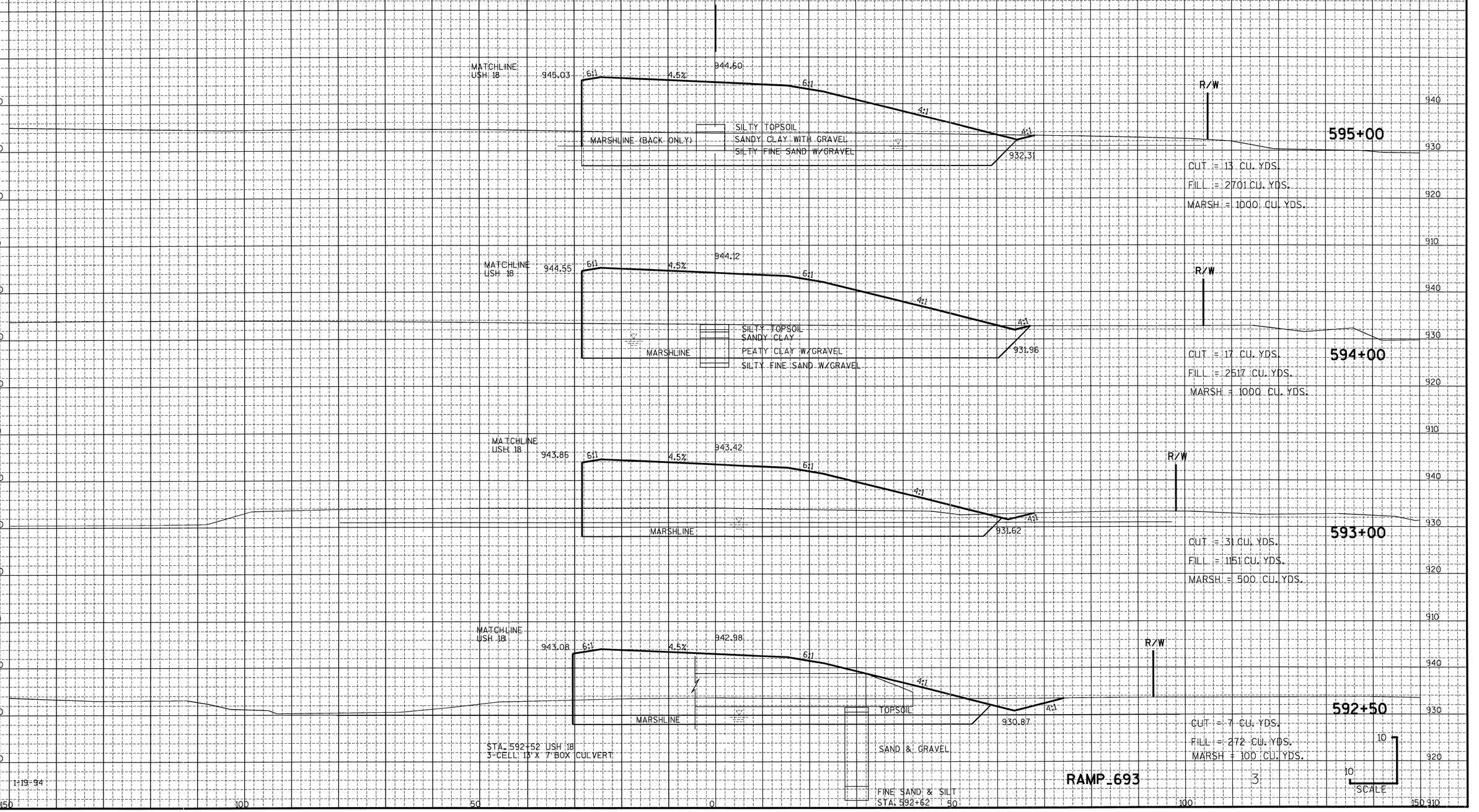


STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.15

END EARTHWORK BACK ONLY

STA. 595+00.00

℄ RAMP "69-3"



1-19-94

RAMP_693

3

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.76

R RAMP STH "69-4"

MATCHLINE USH 18

R/W

941.20 2.0% 940.35

6:1 6:1 4:1 4:1

932.20

MARSHLINE

592+00

CUT = 254 CU. YDS.
FILL = 981 CU. YDS.
MARSH = 400 CU. YDS.

MATCHLINE USH 18

R/W

940.21 2.0% 939.37

6:1 6:1 4:1 4:1

932.40

MARSHLINE (AHEAD ONLY)

591+00

CUT = 275 CU. YDS.
FILL = 657 CU. YDS.

MATCHLINE USH 18

R/W

939.23 4.4% 938.97

6:1 6:1 4:1 4:1

932.60

590+00

CUT = 299 CU. YDS.
FILL = 385 CU. YDS.

MATCHLINE USH 18

R/W

938.24 -4.4% 4.4% 937.98

6:1 6:1 4:1 4:1

932.80

589+00

CUT = 374 CU. YDS.
FILL = 177 CU. YDS.

R/W

937.71 -1.9% 1.9%

6:1 4:1 4:1

933.00

INV. 933.00

936.84

P194

P408
STA. 588+00.33 RT. TO 588+00.40 LT.
1- 24" × 72 L.F. RCCP, CLASS III REQ'D.
SKEW 0° RHF
1- APRON ENDWALL REQ'D.

STA. 588+00
1- TYPE 9-MS INLET REQ'D.
INV. 933.86

588+00

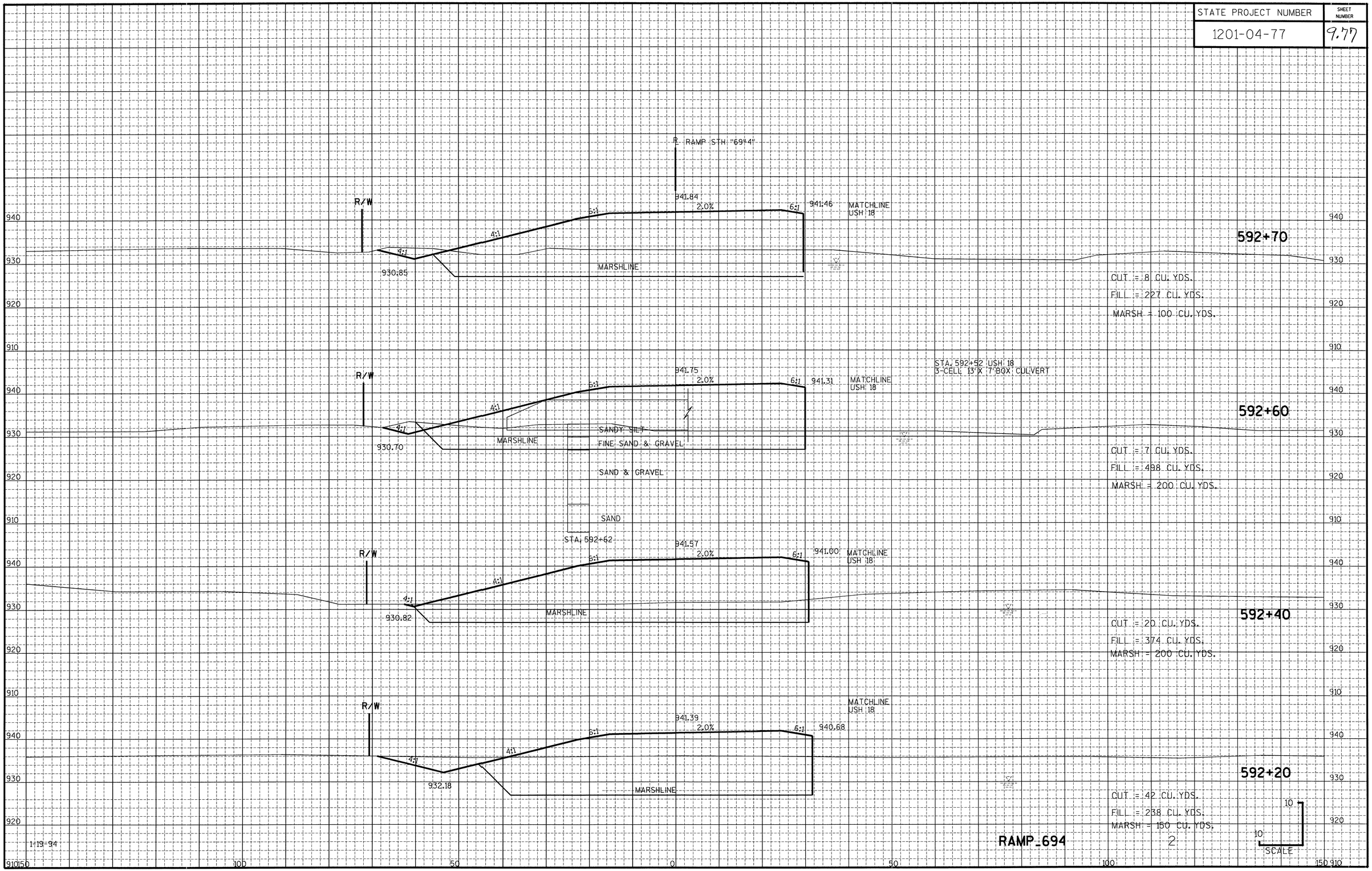
BEGIN EARTHWORK AHEAD ONLY
STA. 588+00.00

RAMP_694

1-19-94

SCALE 1" = 10'

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.77



1-19-94

RAMP_694

2

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.78

END EARTHWORK BACK ONLY

STA. 596+00.00

℄ RAMP STH "69-4"

R/W

943.92
2.2%
6:1
943.79
MATCHLINE USH 18

4:1
6:1
4:1
934.30
MARSHLINE (BACK ONLY)

596+00

CUT = 51 CU. YDS.
FILL = 1792 CU. YDS.
MARSH = 450 CU. YDS.

R/W

943.38
2.0%
6:1
943.20
MATCHLINE USH 18

4:1
6:1
4:1
933.68
MARSHLINE

TOPSOIL
SANDY CLAY
SILTY FINE SAND

595+00

CUT = 63 CU. YDS.
FILL = 1855 CU. YDS.
MARSH = 900 CU. YDS.

R/W

942.78
2.0%
6:1
942.60
MATCHLINE USH 18

4:1
6:1
4:1
932.72
MARSHLINE

TOPSOIL
SANDY CLAY
GRAVEL
SILTY FINE SAND

594+00

CUT = 59 CU. YDS.
FILL = 1886 CU. YDS.
MARSH = 900 CU. YDS.

R/W

942.08
2.0%
6:1
941.90
MATCHLINE USH 18

4:1
6:1
4:1
931.60
MARSHLINE

593+00

CUT = 21 CU. YDS.
FILL = 600 CU. YDS.
MARSH = 300 CU. YDS.

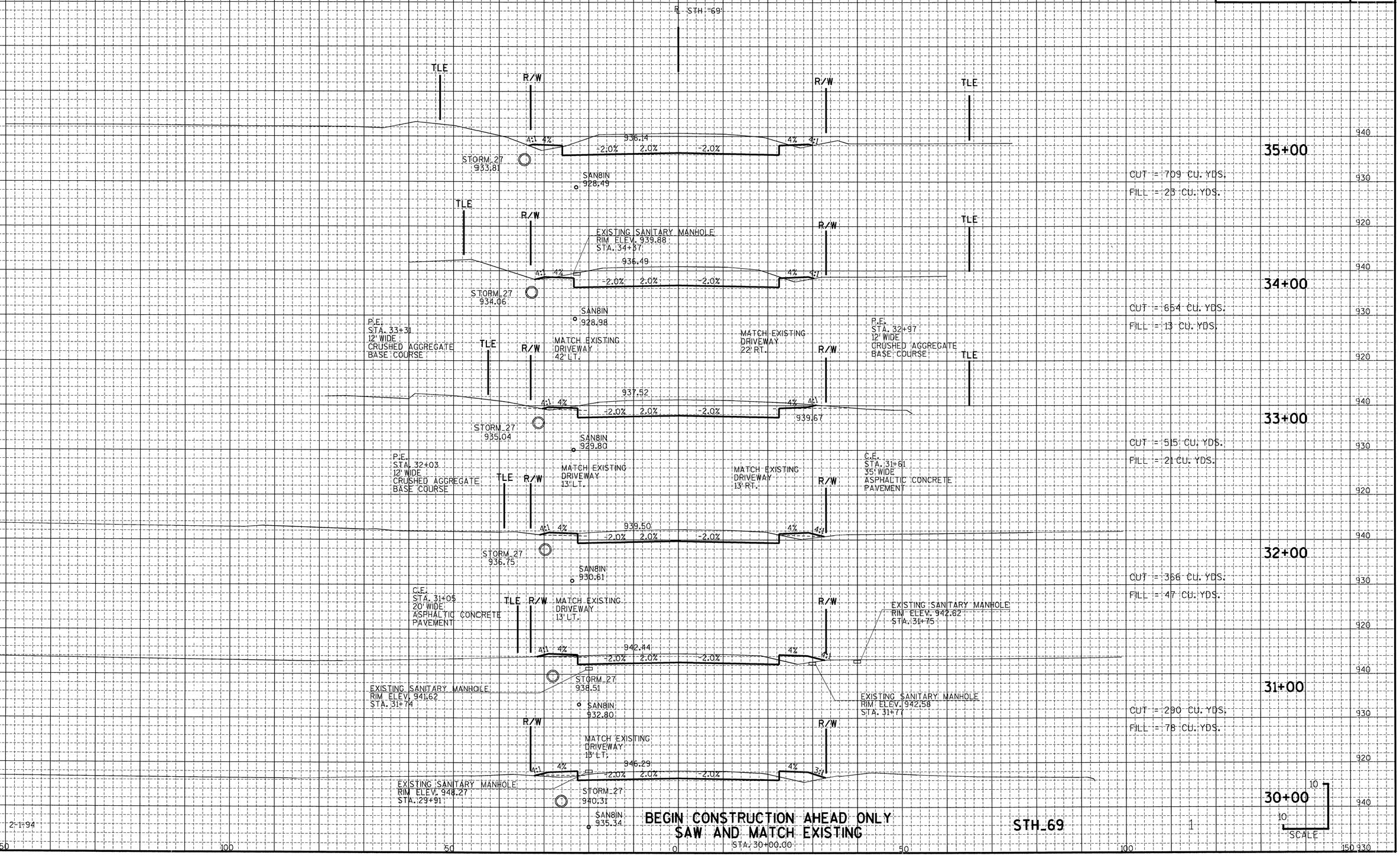
1-19-94

RAMP_694

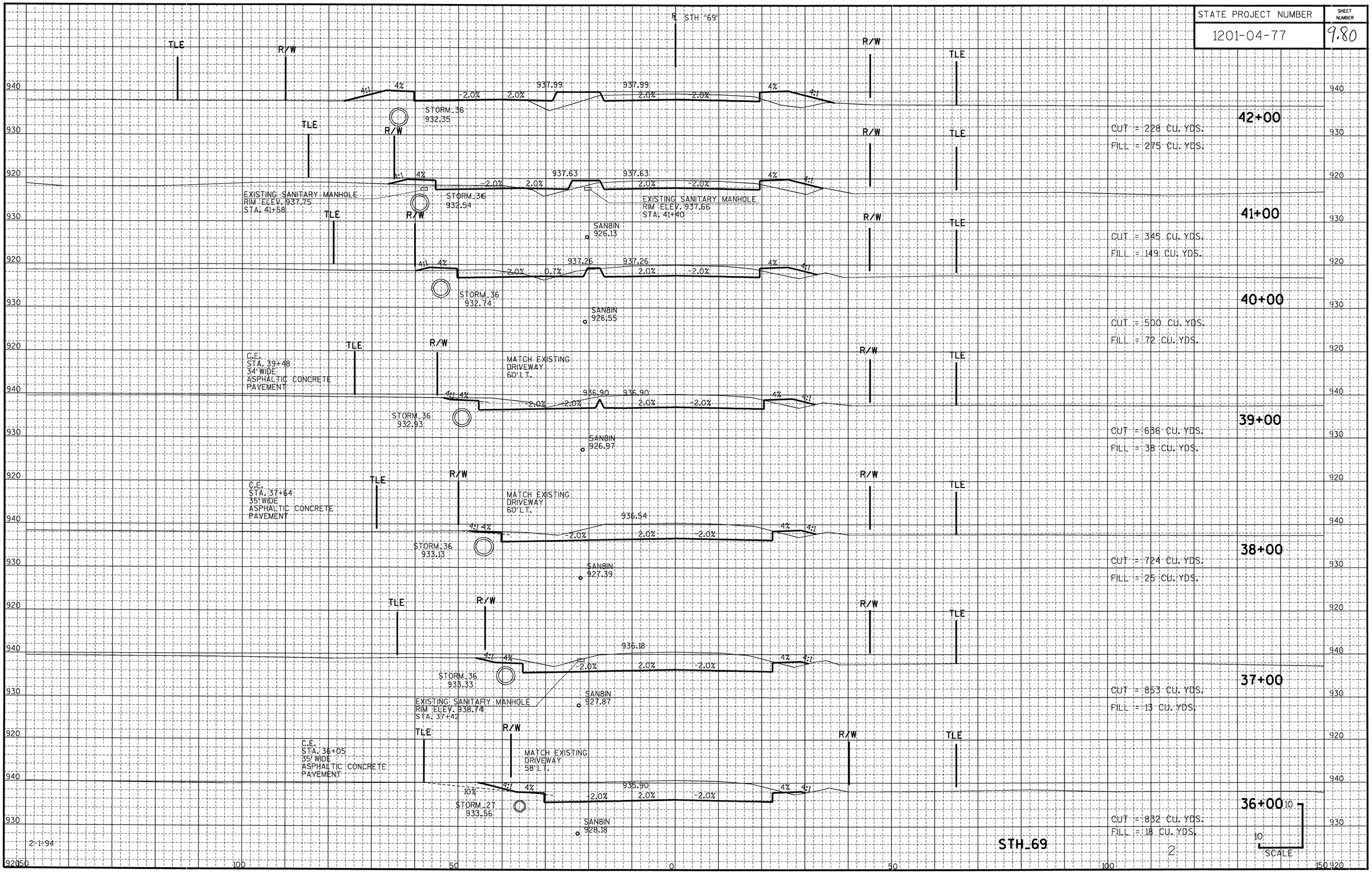
3

10
10
SCALE

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.79



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.80



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9,81

RAMP "69-4" AND RAMP "69-1" INTERSECTION



2-1-94

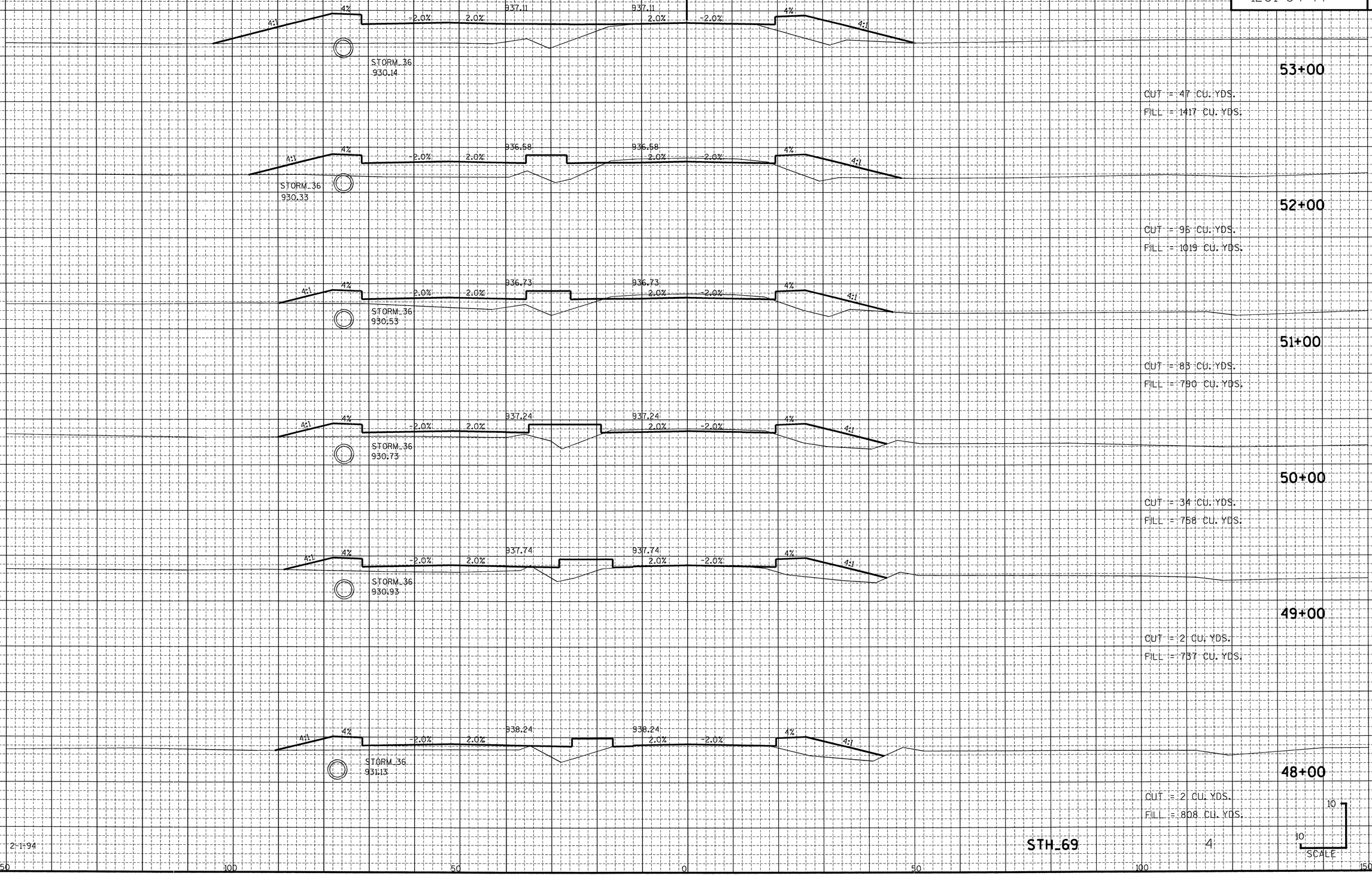
STH_69

3

RAMP "69-3" AND RAMP "69-2" INTERSECTION

℄ STH "69"

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.82



2-1-94

STH_69

4

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.83



2-1-94

STH_69

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.84

℄ STH "69"

R/W

4:1 6:1 -5.6% -5.6% 2.0% 937.48 937.48 5.6% 5.6% 4:1 4:1

934.03 932.60

930 920 910

TOWN ROAD AND VALLEY ROAD INTERSECTION

60+00

CUT = 59 CU. YDS.

FILL = 1468 CU. YDS.

R/W

940 930

4:1 4% 5.6% -5.6% 937.96 937.96 5.6% 5.6% 4% 4:1

59+00

TOWN ROAD AND VALLEY ROAD INTERSECTION

FILL = 1729 CU. YDS.

920 910

R/W +200'

R/W

940 930

4:1 4% -5.4% -5.4% 938.43 938.43 5.4% 5.4% 4% 4:1 4:1

935.00

58+00

CUT = 35 CU. YDS.

FILL = 1874 CU. YDS.

920 910

R/W

R/W

940 930

4:1 4% -2.0% 1.7% 938.90 938.90 2.0% 1.7% 4% 4:1 4:1

934.50

57+00

CUT = 49 CU. YDS.

FILL = 2079 CU. YDS.

920 910

R/W

R/W

940 930

4:1 4% -2.0% 2.0% 938.97 938.97 2.0% -2.0% 4% 4:1 4:1

934.00

56+00

CUT = 35 CU. YDS.

FILL = 2373 CU. YDS.

920

ASPHALT 6"
CONCRETE 6"
SILTY CLAY
CLAYEY SILT
SILTY CLAY
CLAYEY SAND
SAND

STA. 56+00

10 10

SCALE

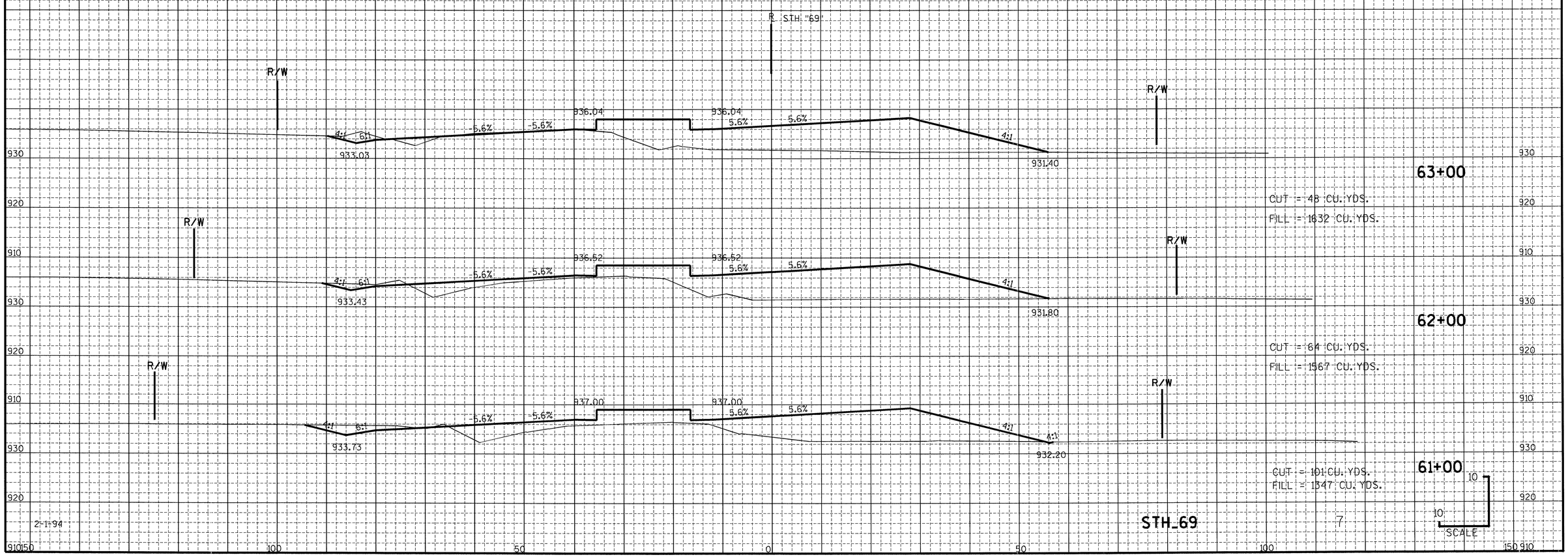
2-1-94

STH_69

6

910 150 100 50 0 50 100 150 910

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9,85



63+00

CUT = 48 CU. YDS.
FILL = 1632 CU. YDS.

62+00

CUT = 64 CU. YDS.
FILL = 1567 CU. YDS.

61+00

CUT = 101 CU. YDS.
FILL = 1347 CU. YDS.

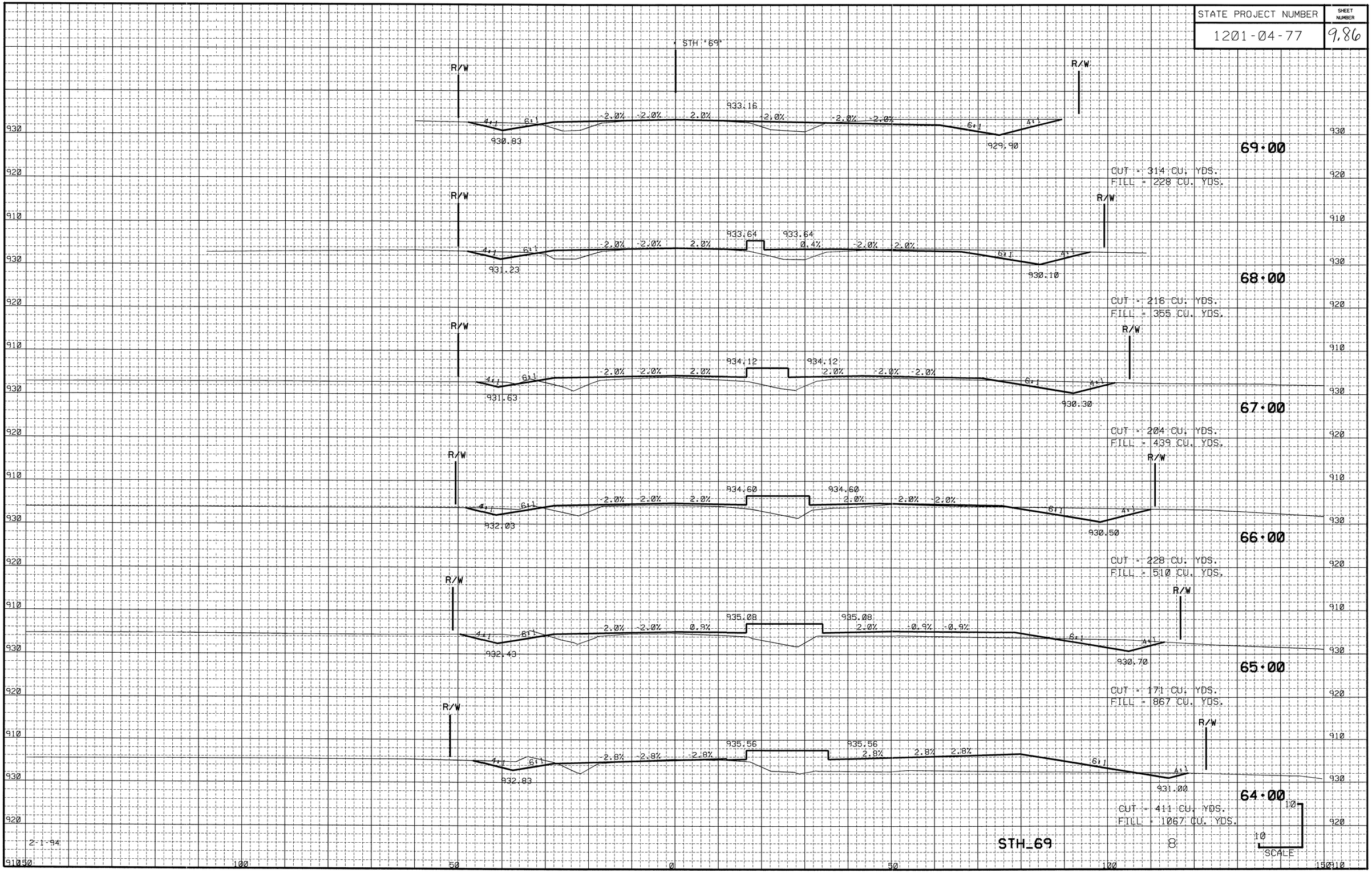
10
10
SCALE

2-1-94

STH_69

7

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.86



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.87

STH '69'

R/W

930.28

927.83

928.22

2.0% -2.0% -2.0% 2.0% -2.0% 2.0%

4:1 6:1 6:1 4:1

75+00

CUT - 65 CU. YDS.

FILL - 186 CU. YDS.

R/W

930.76

928.23

928.42

2.0% 2.0% 2.0% -2.0% -2.0%

4:1 6:1 6:1 4:1

74+00

CUT - 38 CU. YDS.

FILL - 230 CU. YDS.

R/W

931.24

928.83

928.62

2.0% -2.0% 2.0% 1.8% -2.0% -2.0%

4:1 6:1 6:1 4:1

73+00

CUT - 79 CU. YDS.

FILL - 218 CU. YDS.

P.E.
STA. 71+52
12' WIDE
CRUSHED AGGREGATE
BASE COURSE

MATCH EXISTING
DRIVEWAY
13' LT.

R/W

931.72

929.33

928.82

2.0% -2.0% -2.0% 2.0% -2.0% -2.0% -2.0%

4:1 6:1 6:1 4:1

INV. 929.61 TO INV 929.41

P200
1-18" X 26 L.F. CP REQ'D.
2-APRON ENDWALLLS REQ'D.

MATCH EXISTING
DRIVEWAY
138' RT.

P.E.
STA. 71+76
22' WIDE
CRUSHED AGGREGATE
BASE COURSE

INV. 929.00 TO INV 929.41

P202
1-36" X 31 L.F. CP REQ'D.
2-APRON ENDWALLS REQ'D.

72+00

CUT - 128 CU. YDS.

FILL - 226 CU. YDS.

R/W

932.20

929.83

929.30

2.0% -2.0% -2.0% 2.0% -2.0% -2.0% -2.0%

4:1 6:1 6:1 4:1

71+00

CUT - 172 CU. YDS.

FILL - 226 CU. YDS.

R/W

932.68

930.33

929.70

2.0% -2.0% -2.0% 2.0% -2.0% -2.0% -2.0%

4:1 6:1 6:1 4:1

70+00

CUT - 282 CU. YDS.

FILL - 216 CU. YDS.

2-1-94

STH_69

9

SCALE 10 10

930 920 910 930 920 910 930 920 910 930 920 910 930 920 910 930 920 910 930 920 910

50 100 50 0 50 100 150

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.88

END CONSTRUCTION BACK ONLY
SAW AND MATCH EXISTING
STA. 78+00.00

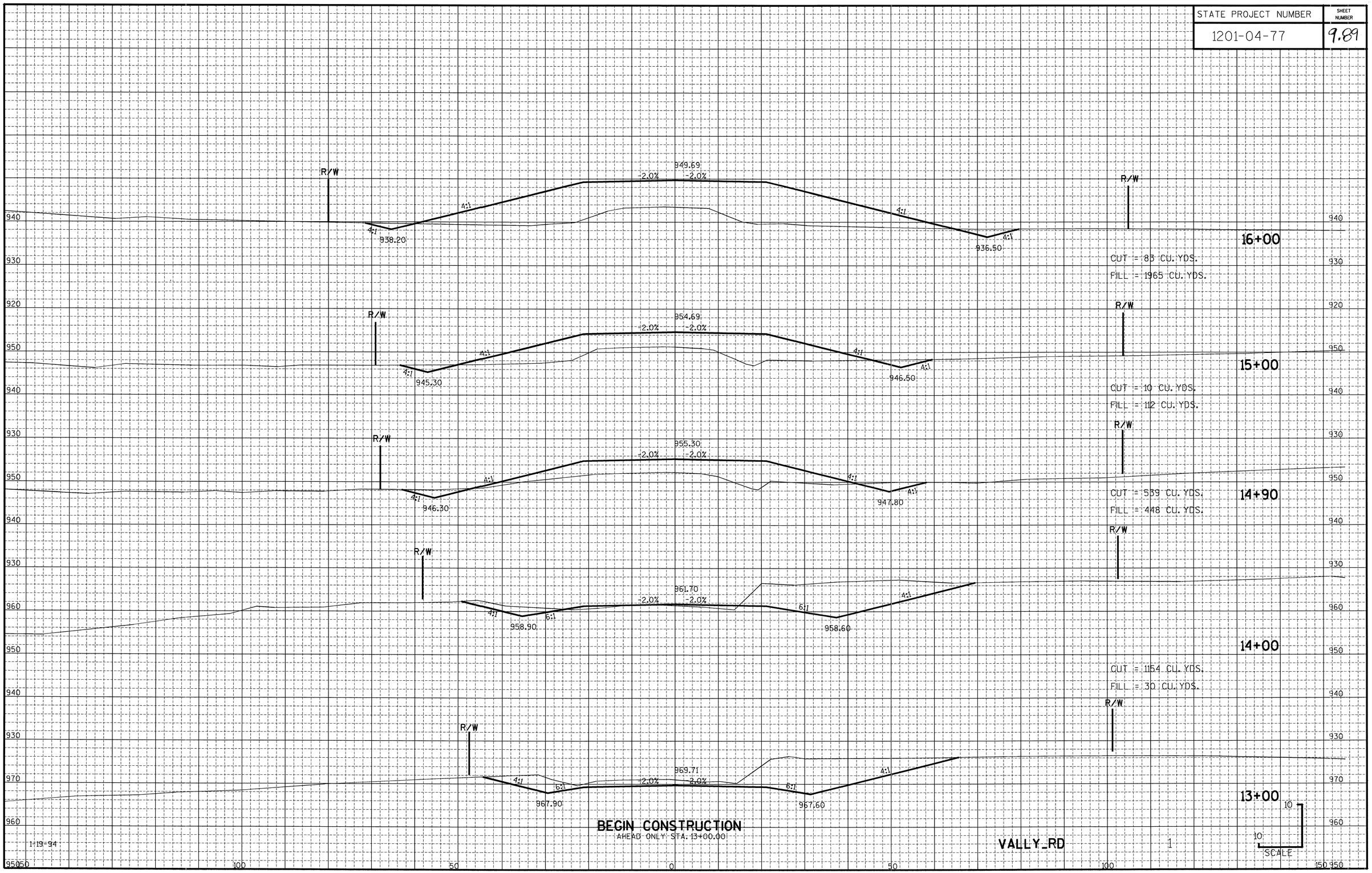
STH '69'

2-1-94

STH_69

10

STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.89



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.90

STH "69" INTERSECTION

939.12
-0.5% -0.5%

930
920
910

20+00

CUT = 39 CU. YDS.
FILL = 1221 CU. YDS.

R/W

942.53
-2.0% -2.0%

940
930

4:1 4:1 4:1 4:1

934.70
INV. 934.70

933.60
INV. 933.60

P600
STA. 19+00
1- 24" x 94 L.F. RCCP, CLASS III REQ'D.
SKEW 0° RHF
2 - APRON ENDWALL REQ'D.

19+00

CUT = 70 CU. YDS.
FILL = 1914 CU. YDS.

R/W

944.69
-2.0% -2.0%

940
930

4:1 4:1 4:1 4:1

935.20

933.80

18+00

CUT = 63 CU. YDS.
FILL = 2518 CU. YDS.

R/W

946.69
-2.0% -2.0%

940
930

4:1 4:1 4:1 4:1

935.70

934.00

17+00

CUT = 73 CU. YDS.
FILL = 2706 CU. YDS.

910 150 100 50 0 50 100 150 910

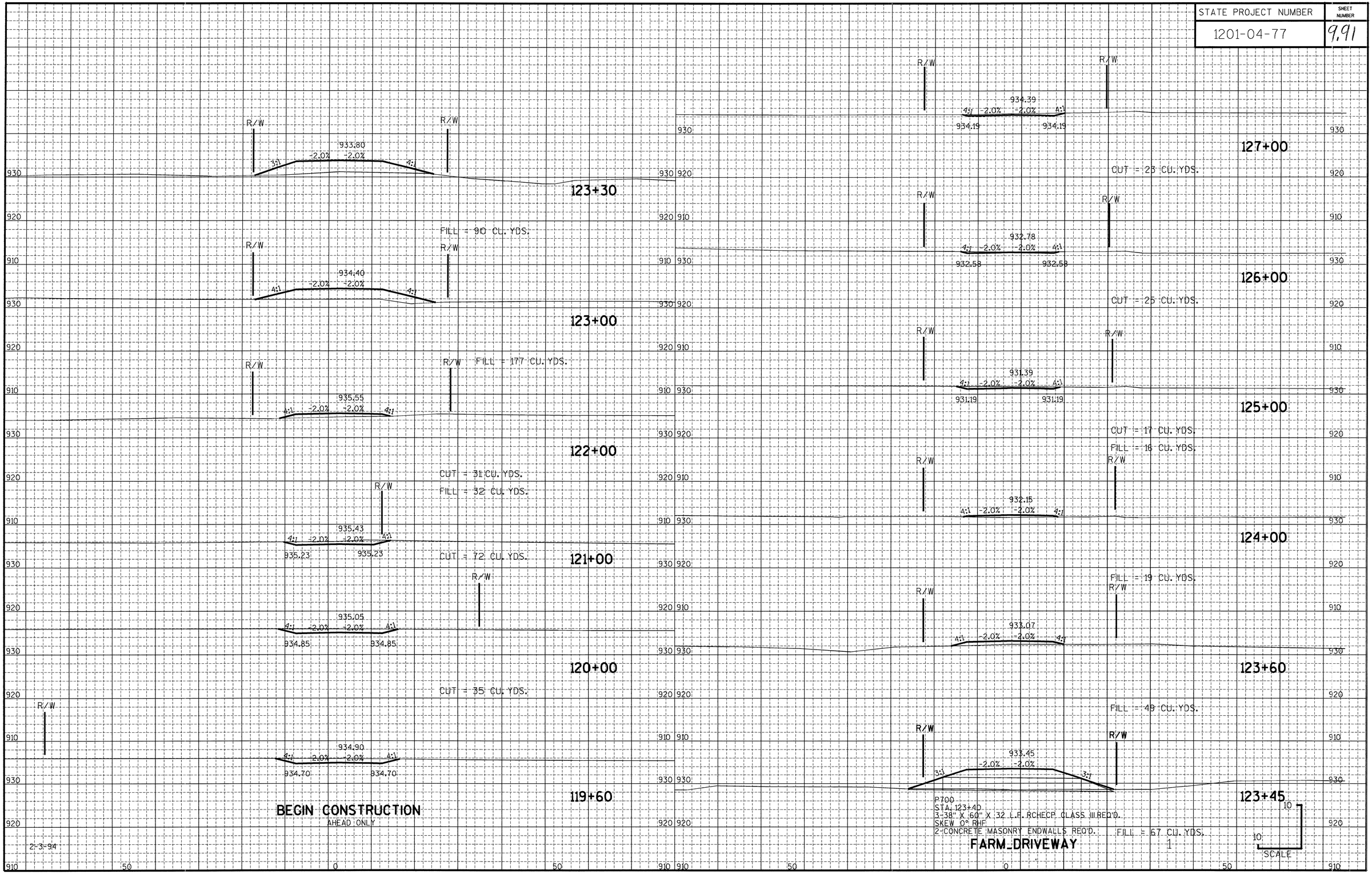
1-19-94

VALLY_RD

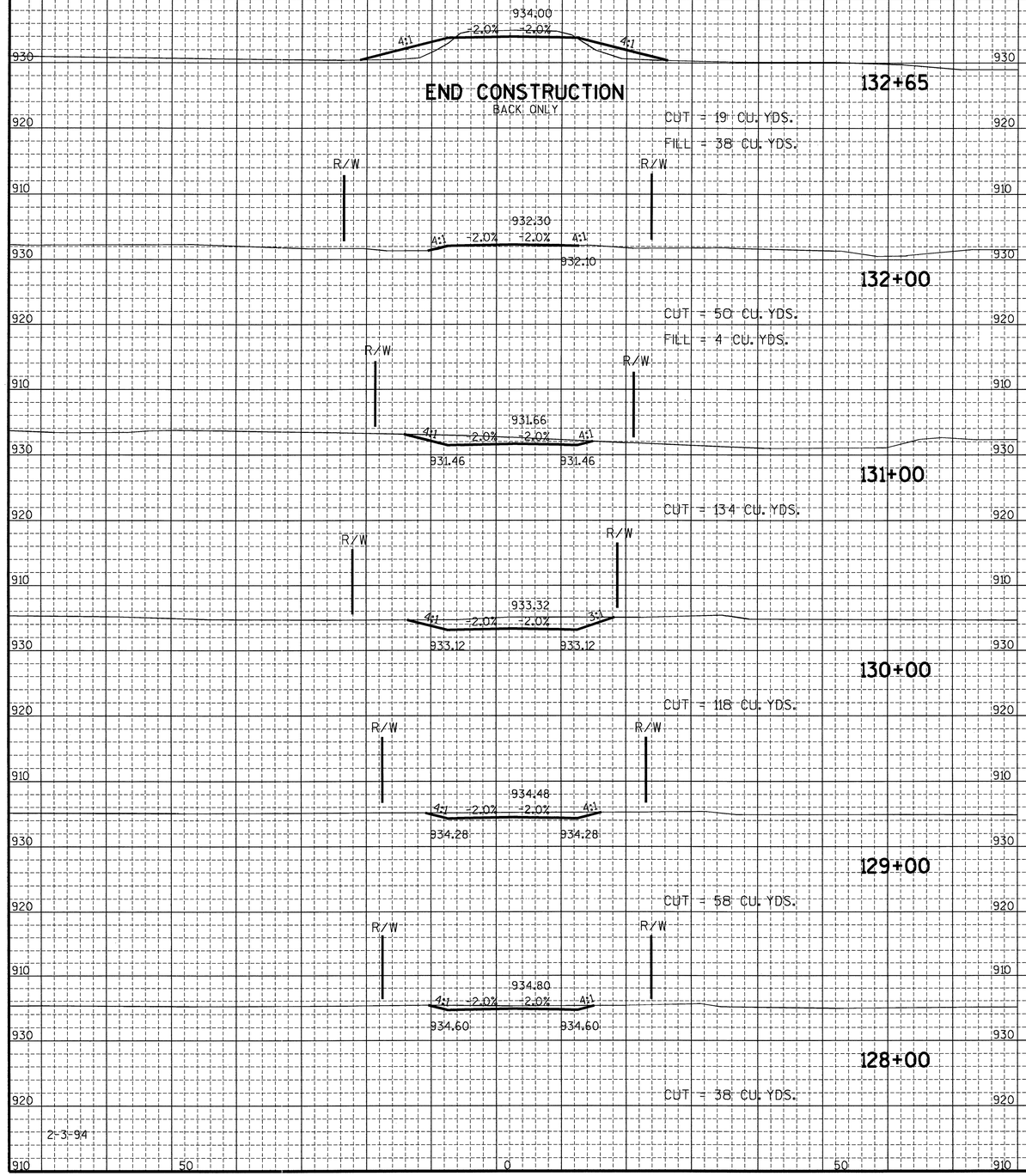
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STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.91



STATE PROJECT NUMBER	SHEET NUMBER
1201-04-77	9.92



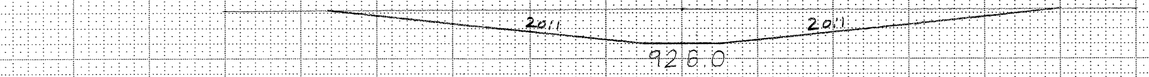
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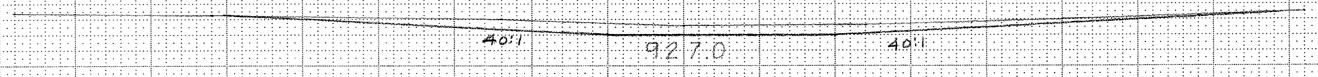
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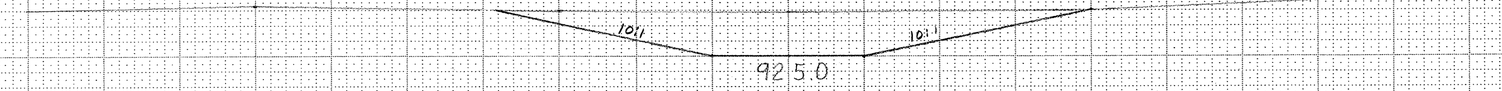
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10
SCALE

STATE PROJECT NUMBER: 1201-04-77

SHEET NUMBER: 9.93









STATION	DISTANCE	YARDAGE EXCAVATION COMMON	YARDAGE FILL
14+00 925			
	100'	330 CY	
13+00 925			
	100'	371 CY	
12+00 925			
	100'	347 CY	
11+00 925			
	100'	40 CY	
10+00 925			

5'
SCALE
10'

100 50 0 50 100

SHEET TOTAL

MITIGATION SITE

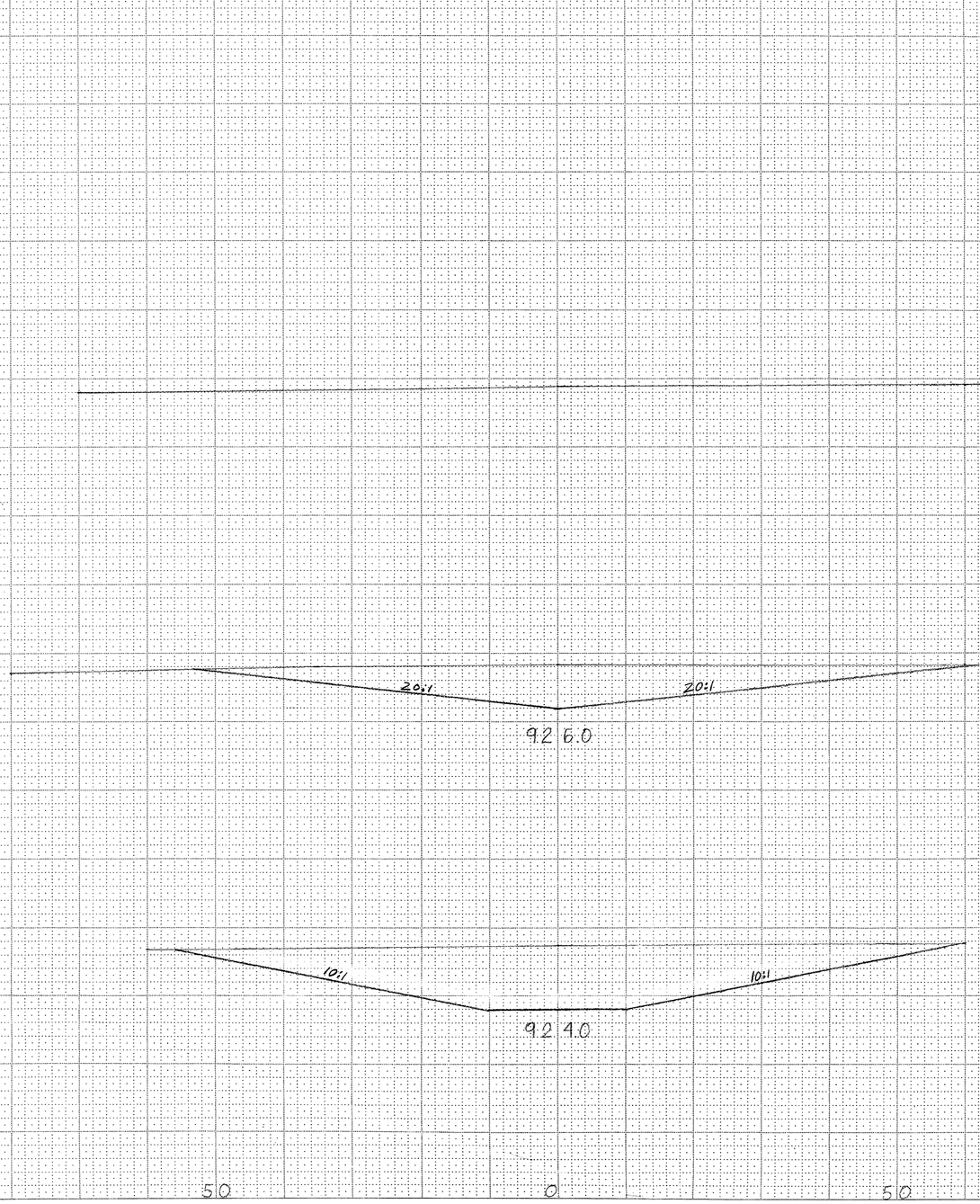
TELEPHONE POST N95026

Catalog No. 2130-C121

STATE PROJECT NUMBER: 1201-04-77

SHEET NUMBER: 9.94

STATION	DISTANCE	YARDAGE EXCAVATION COMMON	TOTAL
17+25	125'	444	
17+00		925	
16+00		925	
	100'	932 CY	
15+00		925	
	100'	802 CY	



SHEET TOTAL

MITIGATION SITE

Catalog No. 2130-C121