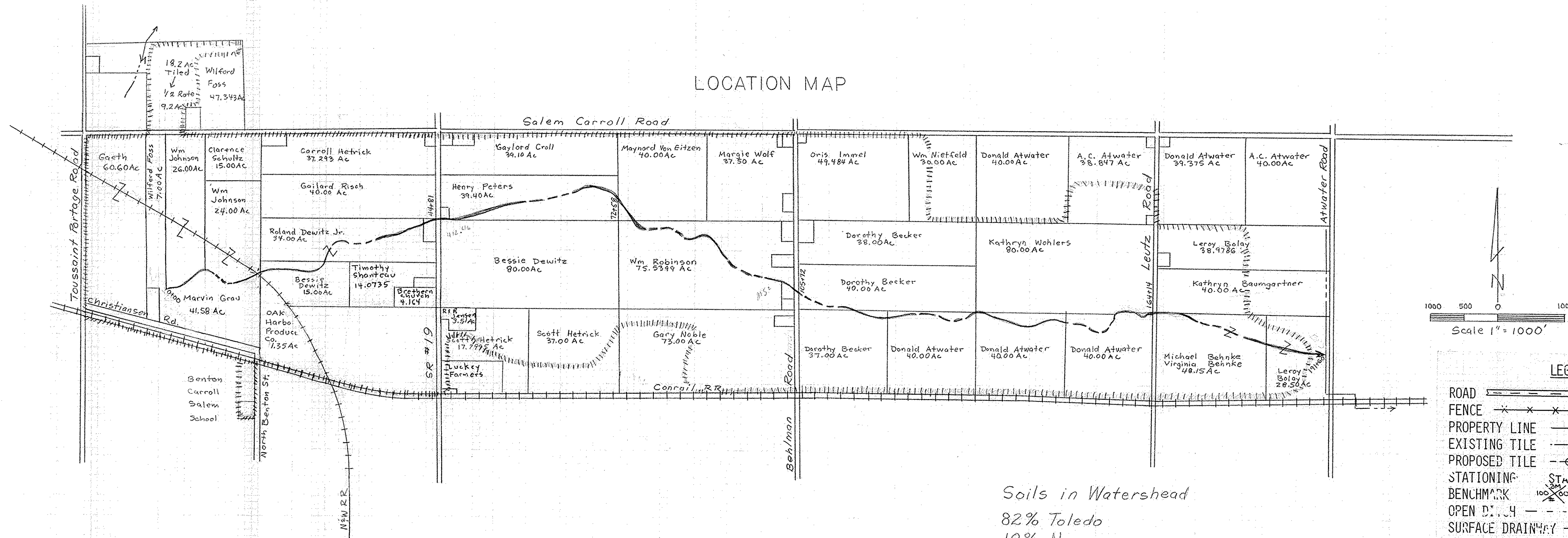
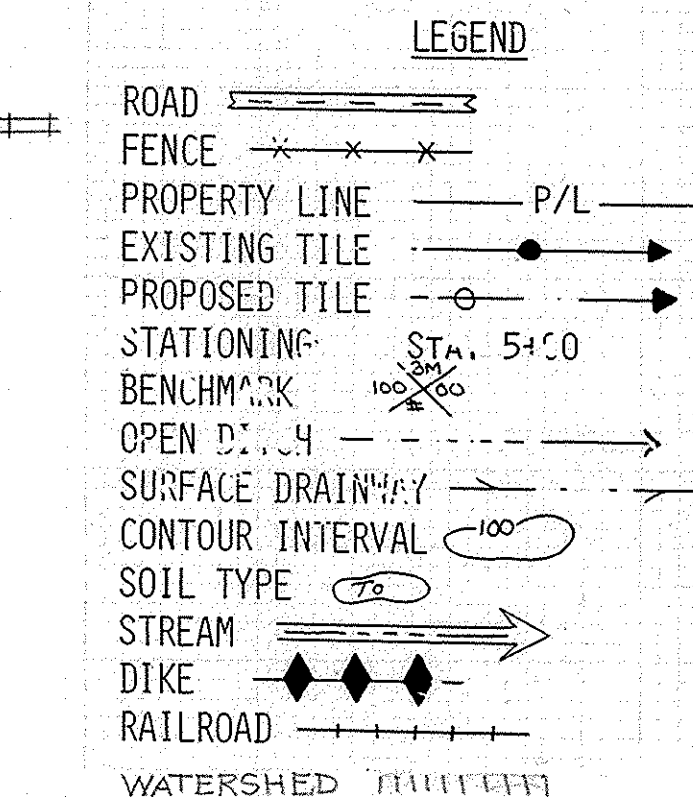


LACARPE CREEK (GAETH) SENATE BILL 160 PROJECT

LOCATION MAP



Soils in Watershed
82% Toledo
18% Nappanee



BM#1 TOP OF SPIKE IN NORTH SIDE OF FENCE POST IN NORTHEAST CORNER OF PASTURE, SOUTHWEST OF STATION 0+00 M.S.L. ELEV. 589.20

BM#2 TOP OF BELL ON 24" VSP ON WEST SIDE OF N&W RR TRACKS STA 14+80 M.S.L. ELEV. 585.93

BM#3 TOP OF SPIKE IN EAST SIDE OF N&W RR SIGNAL POLE ON EAST SIDE OF TRACKS 30' SOUTH OF DITCH M.S.L. ELEV. 590.60

BM#4 CHISELED X ON WEST END OF TOE WALL STRUCTURE ON BESSIE DEWITZ FARM STA 25+00 M.S.L. ELEV. 588.06

BM#5 CHISELED X ON WEST END OF ELLIPTICAL R/C PIPE UNDER SR 19 STA 44+81 M.S.L. ELEV. 588.37

BM#6 CHISELED X ON EAST END OF 42" R/C CULVERT PIPE ON PETERS FARM STA 50+32 M.S.L. ELEV. 585.24

BM#7 TOP OF VERTICAL SPIKE IN NORTH TAP ROOT OF 3.5" DIAMETER OAK TREE ON SOUTH SIDE OF DITCH IN THE VON EITZEN WOODS STA 75+00 M.S.L. ELEV. 585.65

BM#8 CHISELED X ON TOP OF WEST END OF CONCRETE BOX DRIVE CULVERT ON THE ROBINSON FARM STA 93+16 M.S.L. ELEV. 584.20

BM#9 CHISELED X ON NORTH END OF WEST HEADWALL ON BEHLMAN ROAD STA 105+40 M.S.L. ELEV. 587.48

BM#10 SPIKE IN NORTH SIDE OF 24" DIAMETER HICKORY TREE 75' SOUTH OF DITCH STA 135+50 M.S.L. ELEV. 584.15

BM#11 TOP OF SPIKE IN SOUTH SIDE OF 2.5" DIAMETER ASH TREE ON SOUTH SIDE OF DITCH STA 145+00 M.S.L. ELEV. 582.53

BM#12 CHISELED X ON WEST END OF ELLIPTICAL R/C PIPE UNDER LEUTZ ROAD STA M.S.L. ELEV. 581.85

BM#13 TOP OF SPIKE IN NORTH SIDE OF 27" DIAMETER ASH TREE ON SOUTH SIDE OF DITCH AT STA 175+25 M.S.L. ELEV. 581.12

BM#14 CHISELED X ON TOP OF NORTHWEST CORNER OF TWIN CONCRETE BOX CULVERT UNDER ATWATER ROAD NORTH OF THE CONRAIL TRACKS M.S.L. ELEV. 581.83

NOTICE TO LANDOWNERS AND CONTRACTORS

UNLESS OTHERWISE SPECIFICALLY SHOWN BY MEANS OF PROFILES AND ELEVATIONS, THIS CONSTRUCTION PLAN REPRESENTS ONLY SURFACE CONDITIONS AND PRACTICE LAYOUT REQUIREMENTS. NO REPRESENTATION IS MADE BY THE SOIL CONSERVATION SERVICE, USDA, AS TO THE EXISTENCE OR NONEXISTENCE OF UNMARKED UNDERGROUND PIPELINES, CABLES, OR OTHER UNDERGROUND HAZARDS.

PRIOR TO THE START OF CONSTRUCTION THE OWNERS OF PIPELINES OR OTHER UTILITIES MUST BE NOTIFIED OF THE PENDING CONSTRUCTION, GIVING THE DATE AND TIME OF THE START OF CONSTRUCTION. THE PROPERTY OWNER IS RESPONSIBLE FOR GIVING THIS NOTICE.

Notice to Landowners and Contractors

Preparation of a plan by the USDA - Soil Conservation Service does not include needed construction permits.

Before construction begins, the landowner must obtain construction permits from the Ohio Dept. of Transportation, the Ottawa County Engineer, or applicable township trustees if any works is to be done on road right-of-ways.

NOTE TO EXCAVATOR

Excavator must notify all utilities at least 48 hours and not more than 10 days prior to the planned commencement of excavation.

1. Member utilities will be contacted by calling OUPS (1-800-362-2764).
2. Each Limited Basis Participant will be contacted by the excavator using the telephone number provided.

DESIGNER-NOTIFICATION TO OUPS

BY: M.R.G DATE: 6/6/89 ID#: 606 PAT 55

UNDERGROUND UTILITIES AT EXCAVATION SITE				
Utility				
Name	Address	Phone No.	Member OUPS	Limited Basis Participants
GTE	CUNT LEWIS - BELLVUE	483-8118	YES	

Approved by: *Joseph J. Sommer*
Director, Ohio Dept. of Natural Resources

Approved by: *Joseph G. Pappas* 12/14/88
Ottawa County Engineer

Construction Approved by: _____

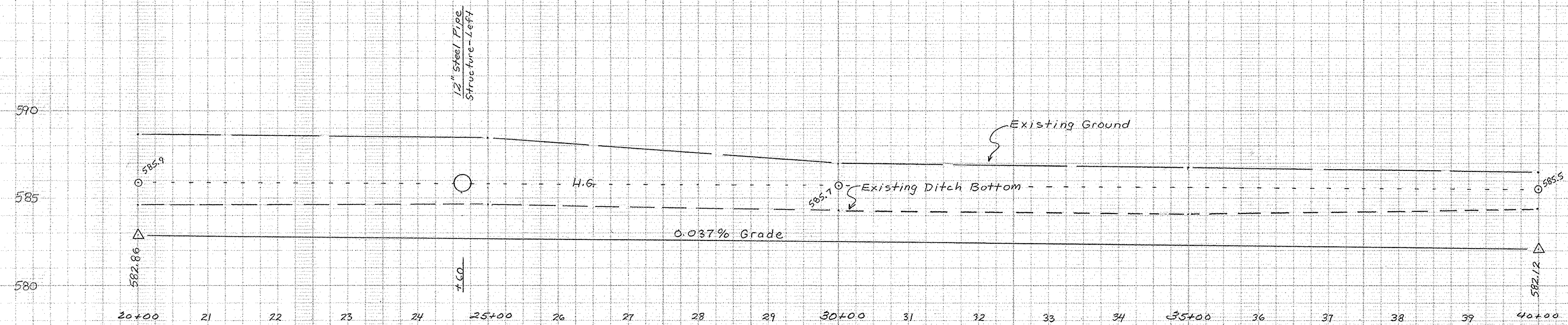
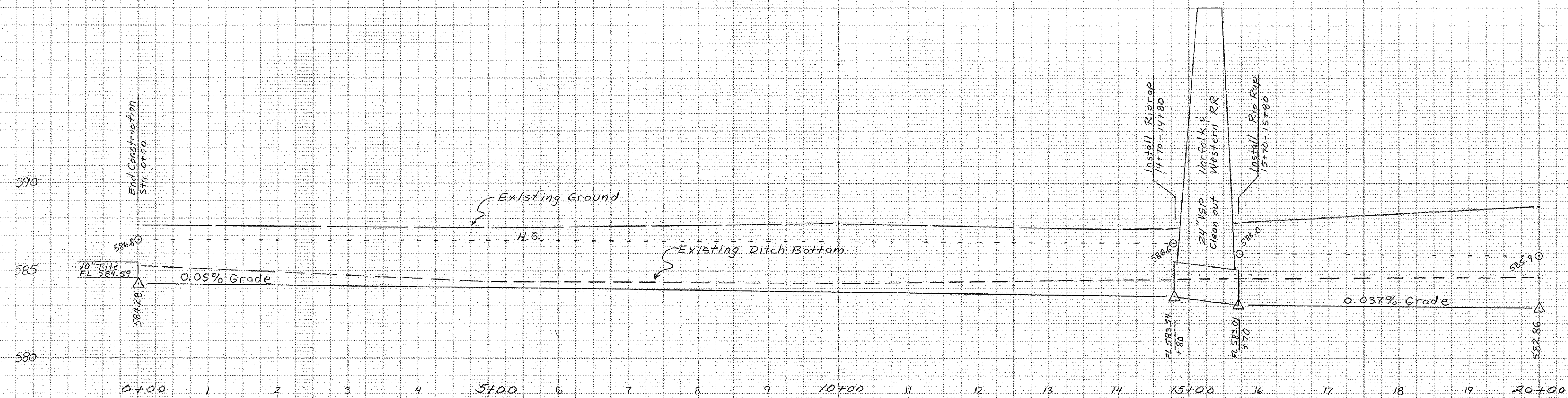
JOB CLASS II

LACARPE CREEK (GAETH) SB 160
OUTLET DITCH IMPROVEMENT
SEC 32, 33, 34, 35, SALEM TWP
OTTAWA COUNTY OHIO

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed MICHAEL GARGAC	Date 7/88	Approved by <i>R.L. Howard</i>
Drawn MICHAEL GARGAC	Date 11/88	Title AREA ENGINEER
Traced <i>M.R.G.</i>	Date 1/89	Title
Checked <i>M.R.G.</i>	Date 1/89	Sheet No. 1
		Drawing No. 39-01-383-89-04
		of 10

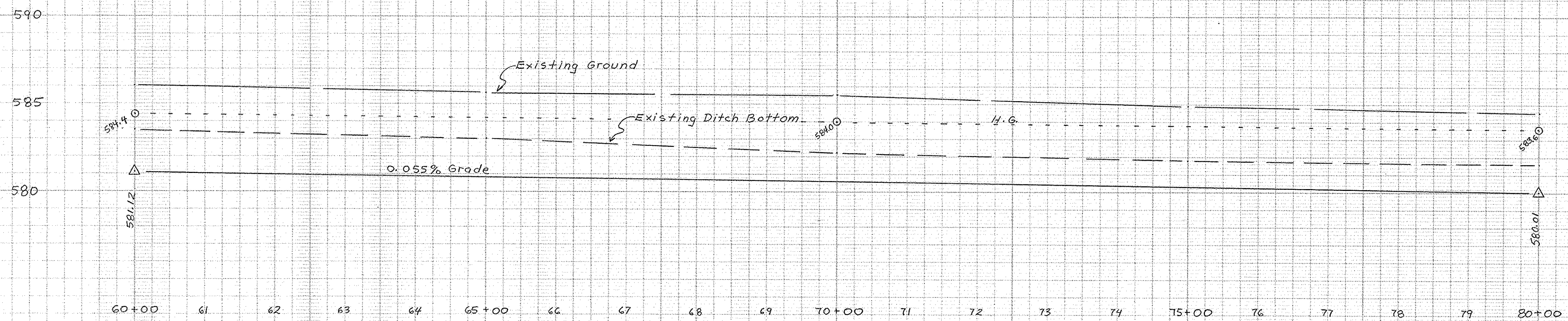
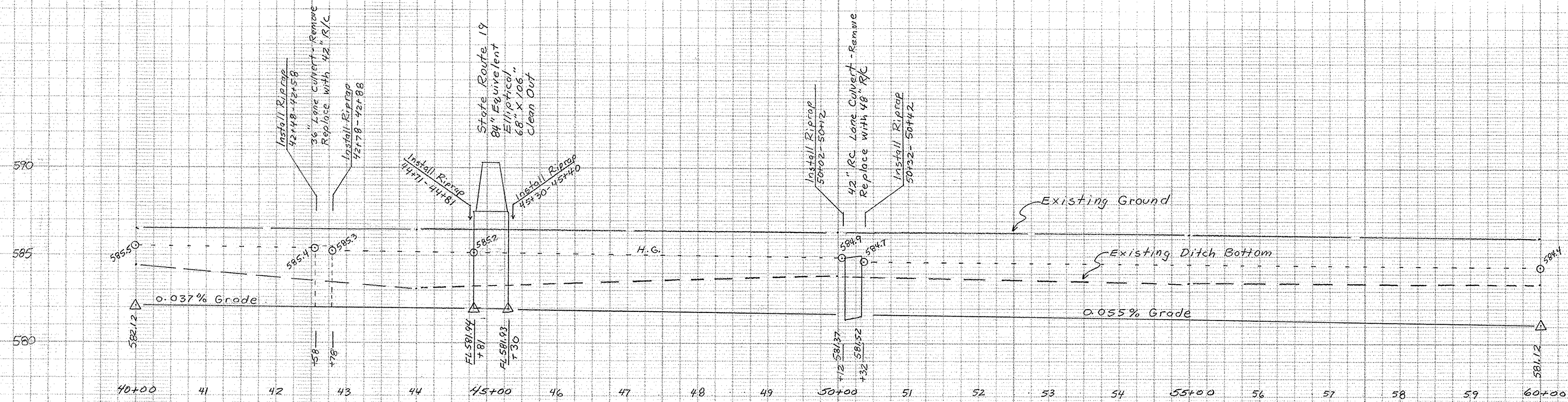
2 WORKING DAYS
BEFORE YOU DIG
CALL TOLL FREE 800-362-2764
OHIO UTILITIES PROTECTION SERVICE



LACARPE CREEK (GAETH) SB 160

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

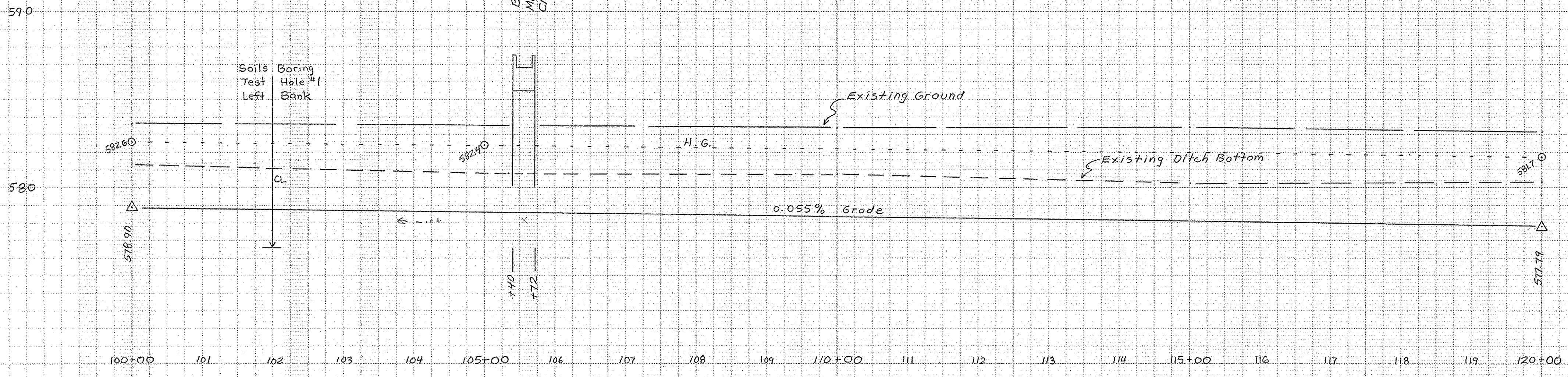
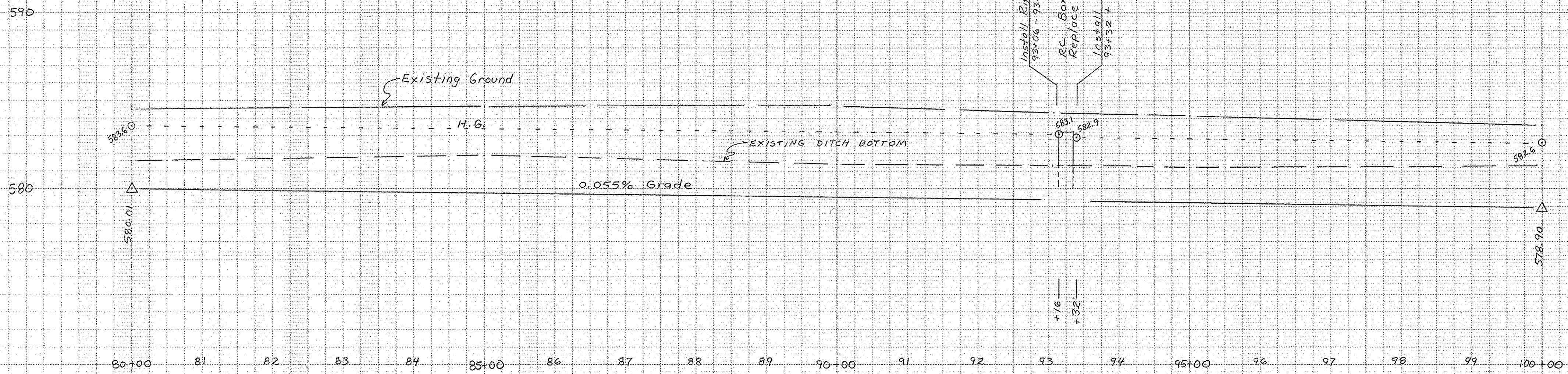
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Drawn <i>M. Gargac</i>	<i>11/88</i>	Title _____
Traced _____	Sheet <i>2</i>	Drawing No. _____
Checked <i>W. R. Rubin</i>	<i>1/88</i>	No. <i>2</i>
		of <i>10</i>
		39-01-383-89-04



LACARPE CREEK (GAETH) SB 160

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <i>M. Gargac</i>	Date <i>9/88</i>	Approved by _____
Drawn <i>M. Gargac</i>	<i>11/88</i>	Title _____
Traced _____	Sheet _____	Drawing No. _____
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39-01-383-89-04		



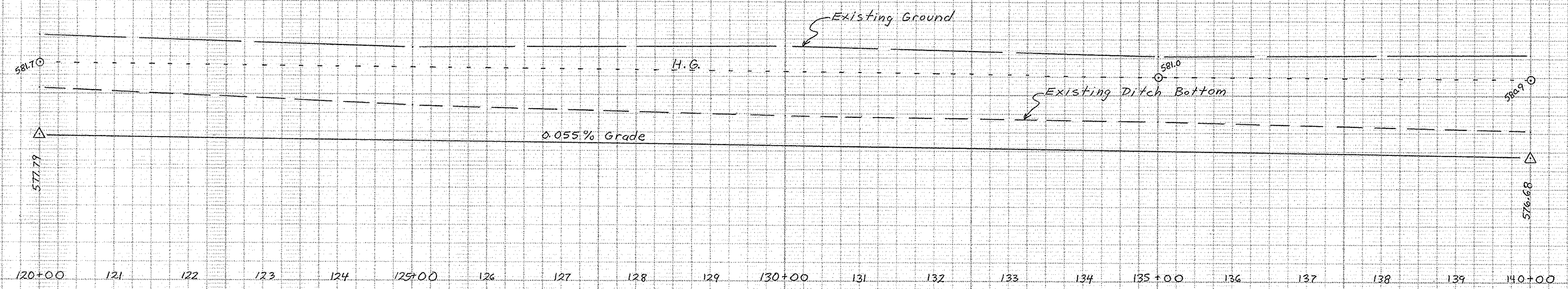
LACARPE CREEK (GAETH) SB 160

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <u>M. Gargac</u>	Date <u>7/88</u>	Approved by.....	Title.....
Drawn <u>M. Gargac</u>	<u>11/88</u>		
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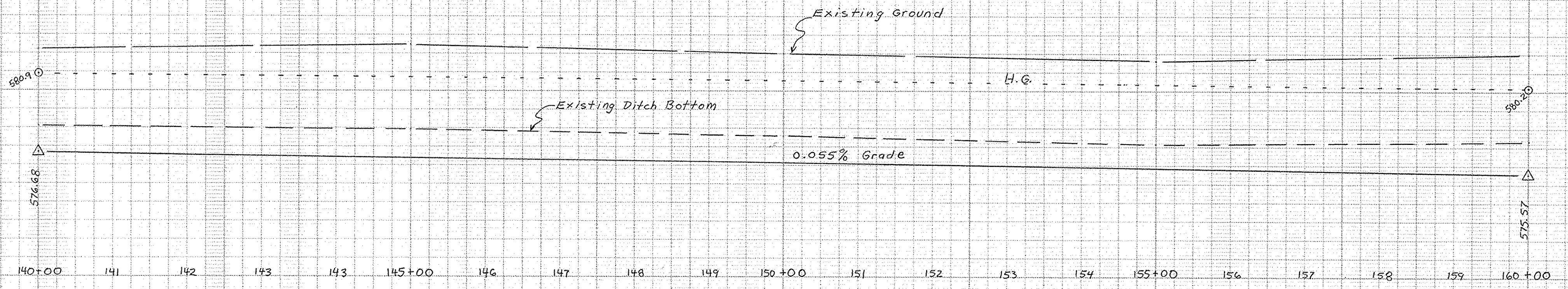
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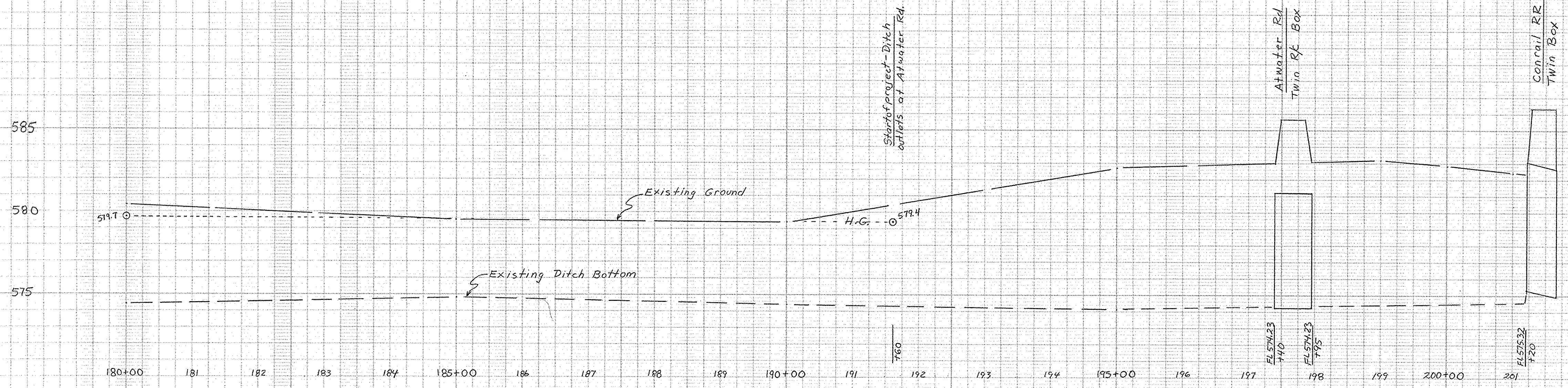
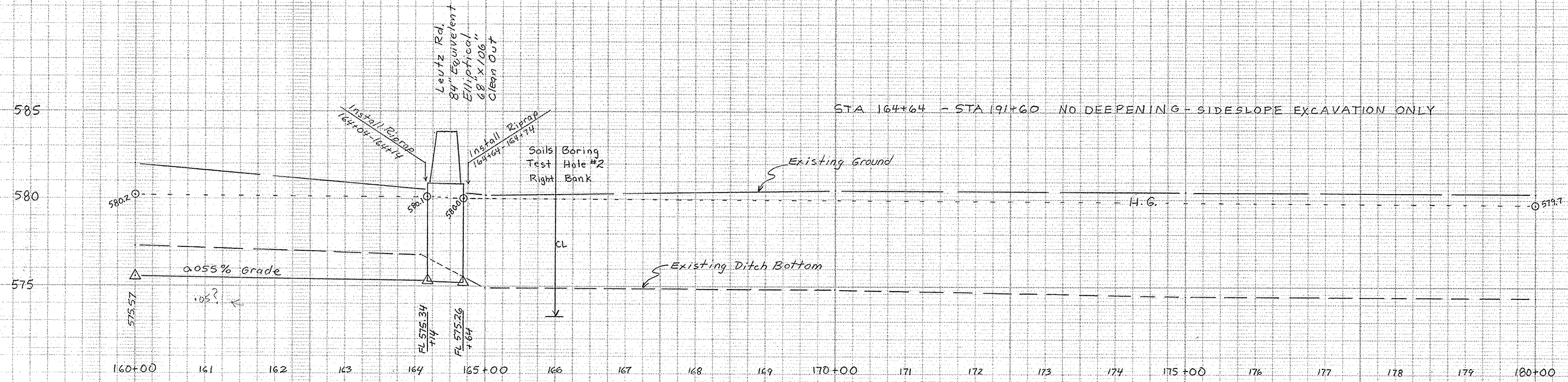
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LACARPE CREEK (GAETH) SB 160

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <i>M. Gargas</i>	Date <i>9/88</i>	Approved by _____
Drawn <i>M. Gargas</i>	<i>11/88</i>	Title _____
Traced _____		Title _____
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		Drawing No. <i>39-01-383-89-04</i>



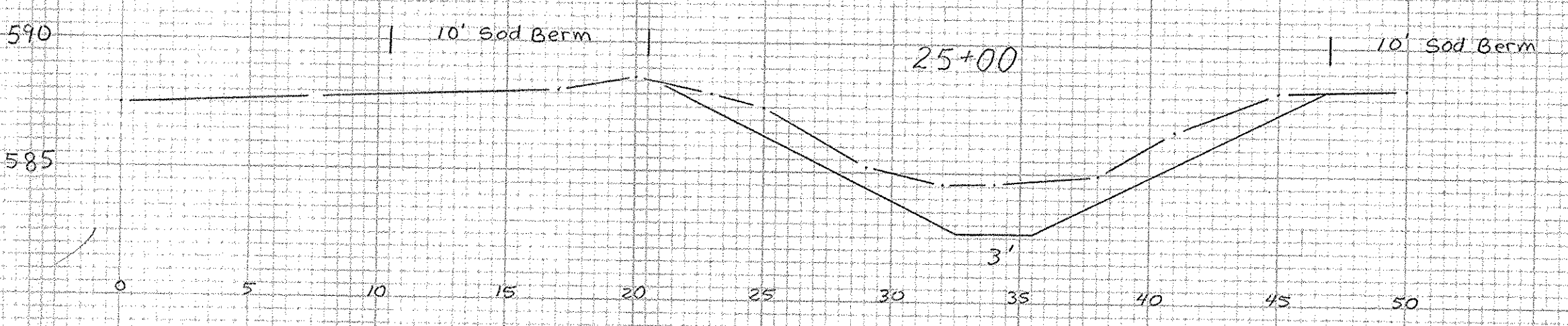
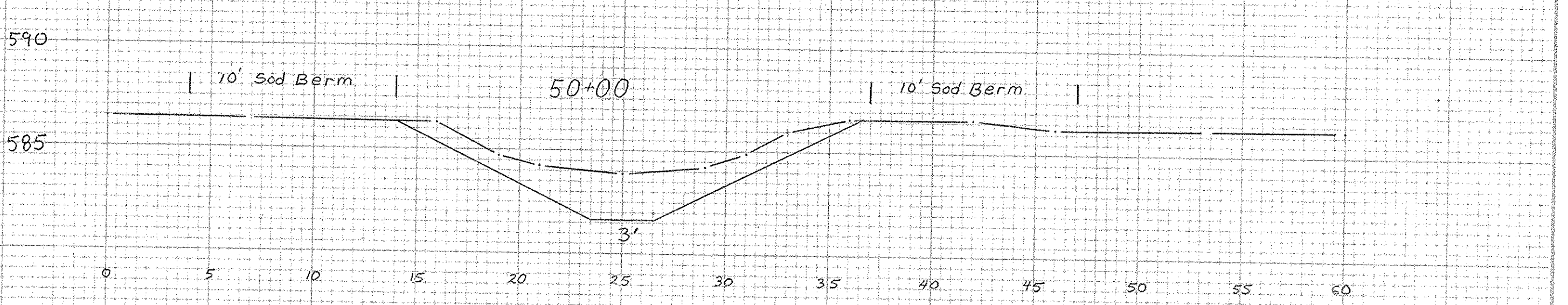
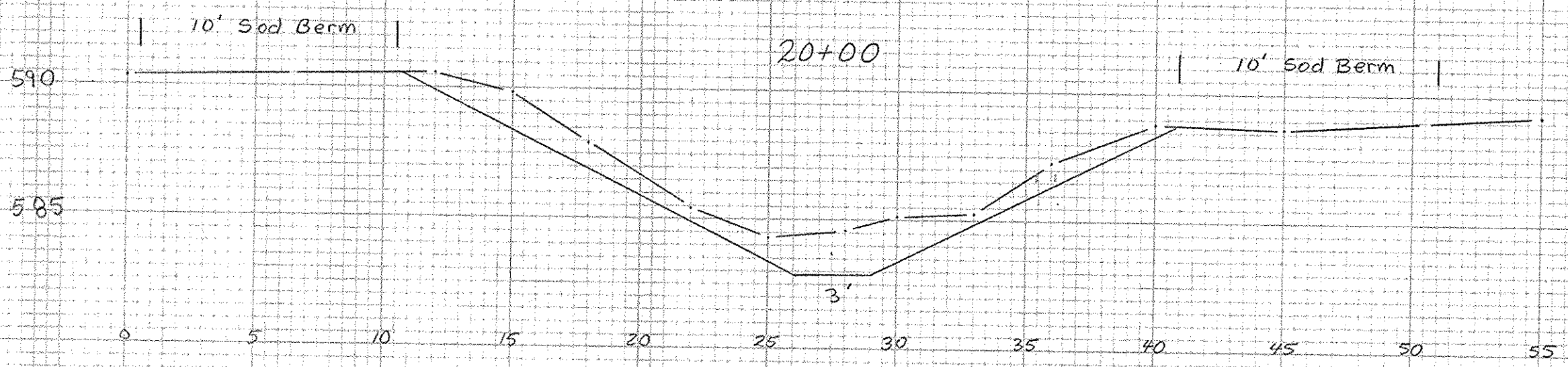
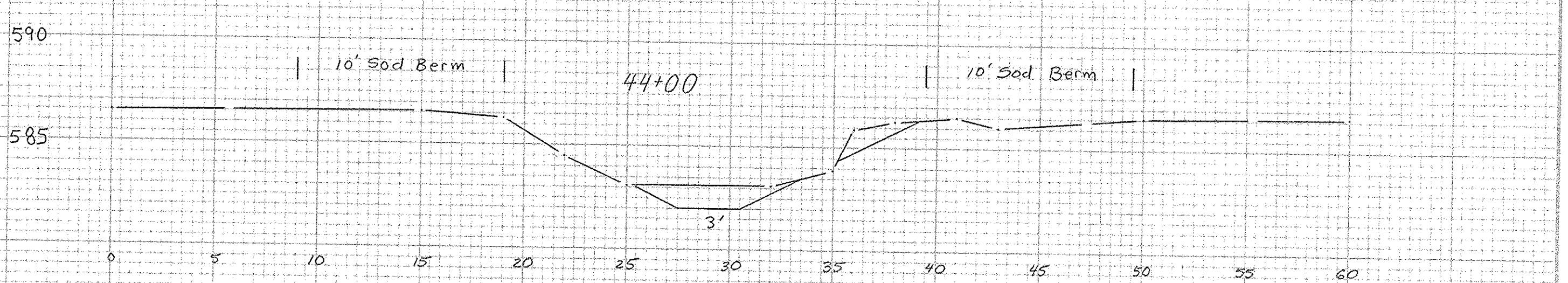
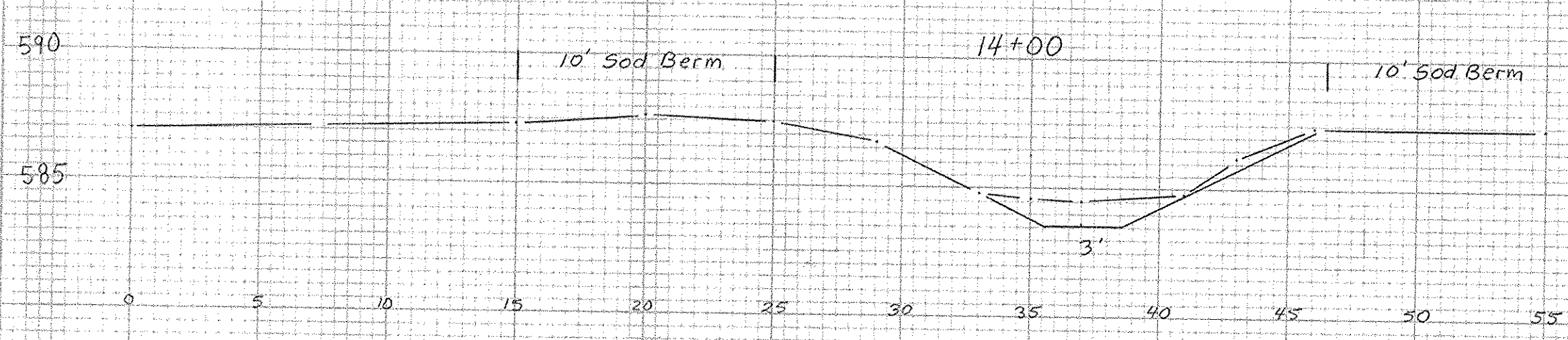
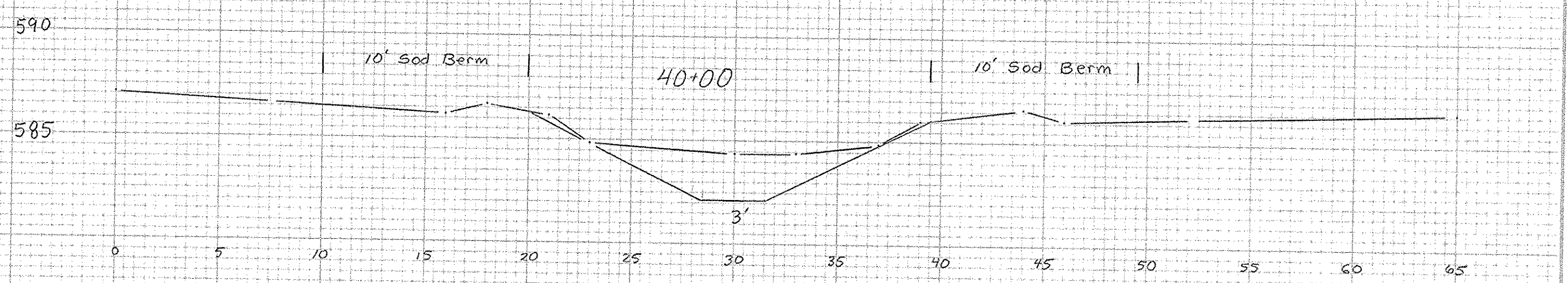
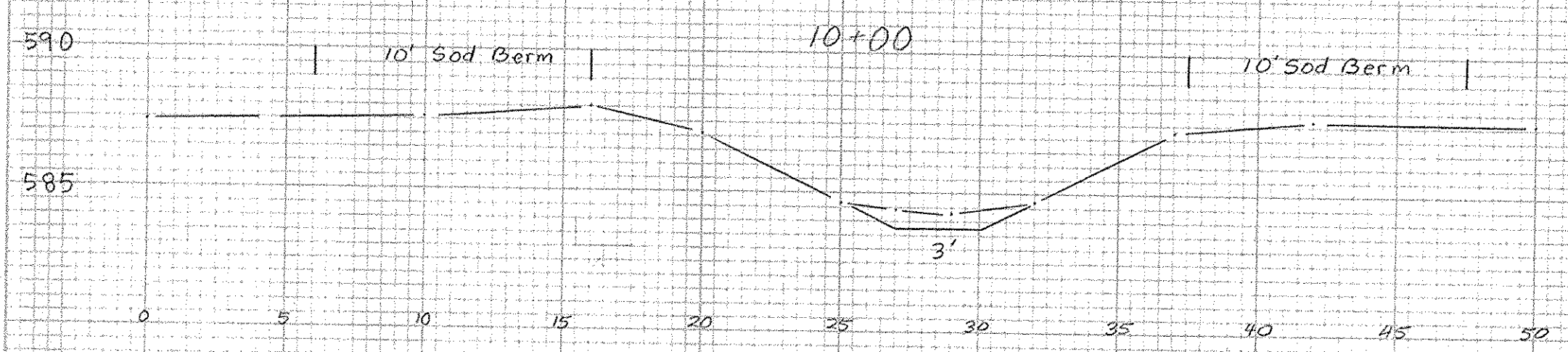
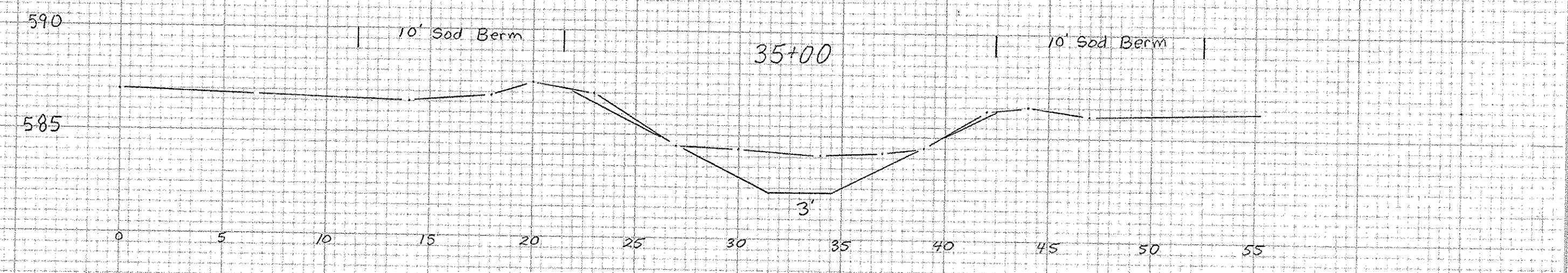
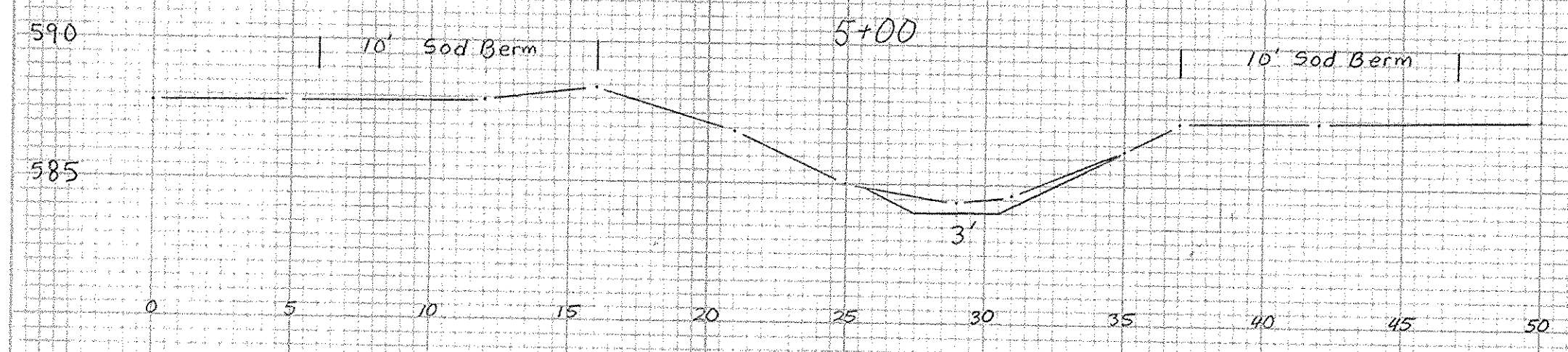
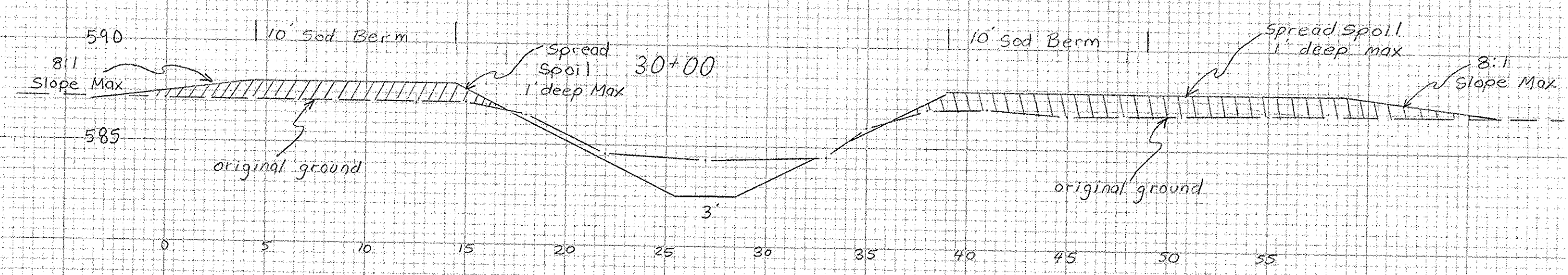
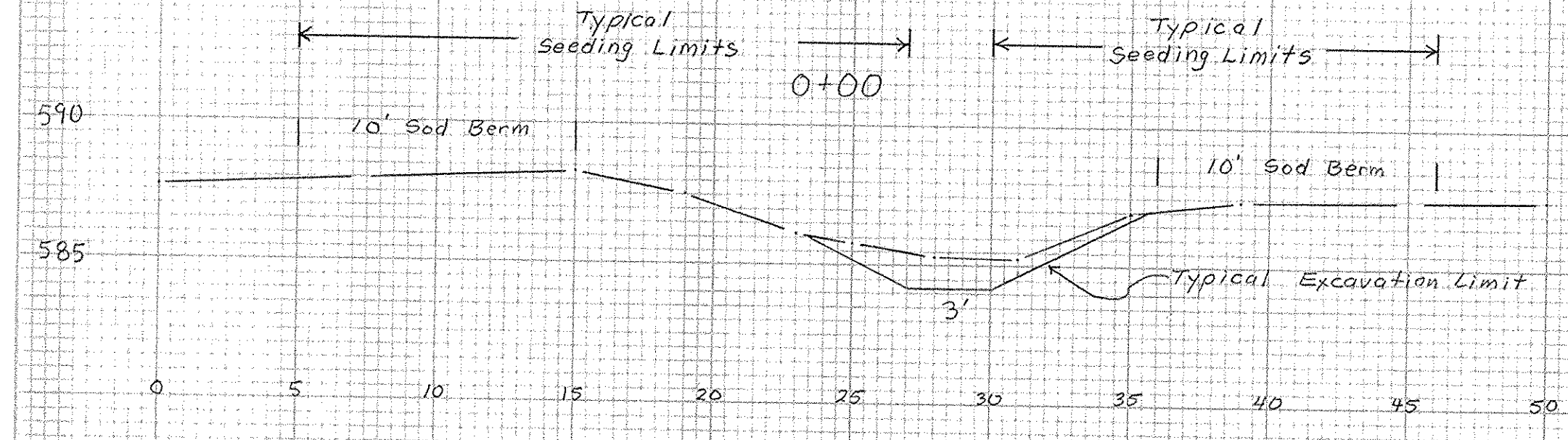
LACARPE CREEK (GAETH) SB 160

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <i>M. Gargac</i>	Date <i>9/88</i>	Approved by _____
Drawn <i>M. Gargac</i>	<i>11/88</i>	Title _____
Traced _____		Title _____
Checked <i>M. G. B.</i>	<i>11/88</i>	Sheet No. <i>6</i> of <i>10</i>
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2:1 Sideslopes

Typical Spoil Spreading Detail
or Spoil to be placed as directed by project engineer

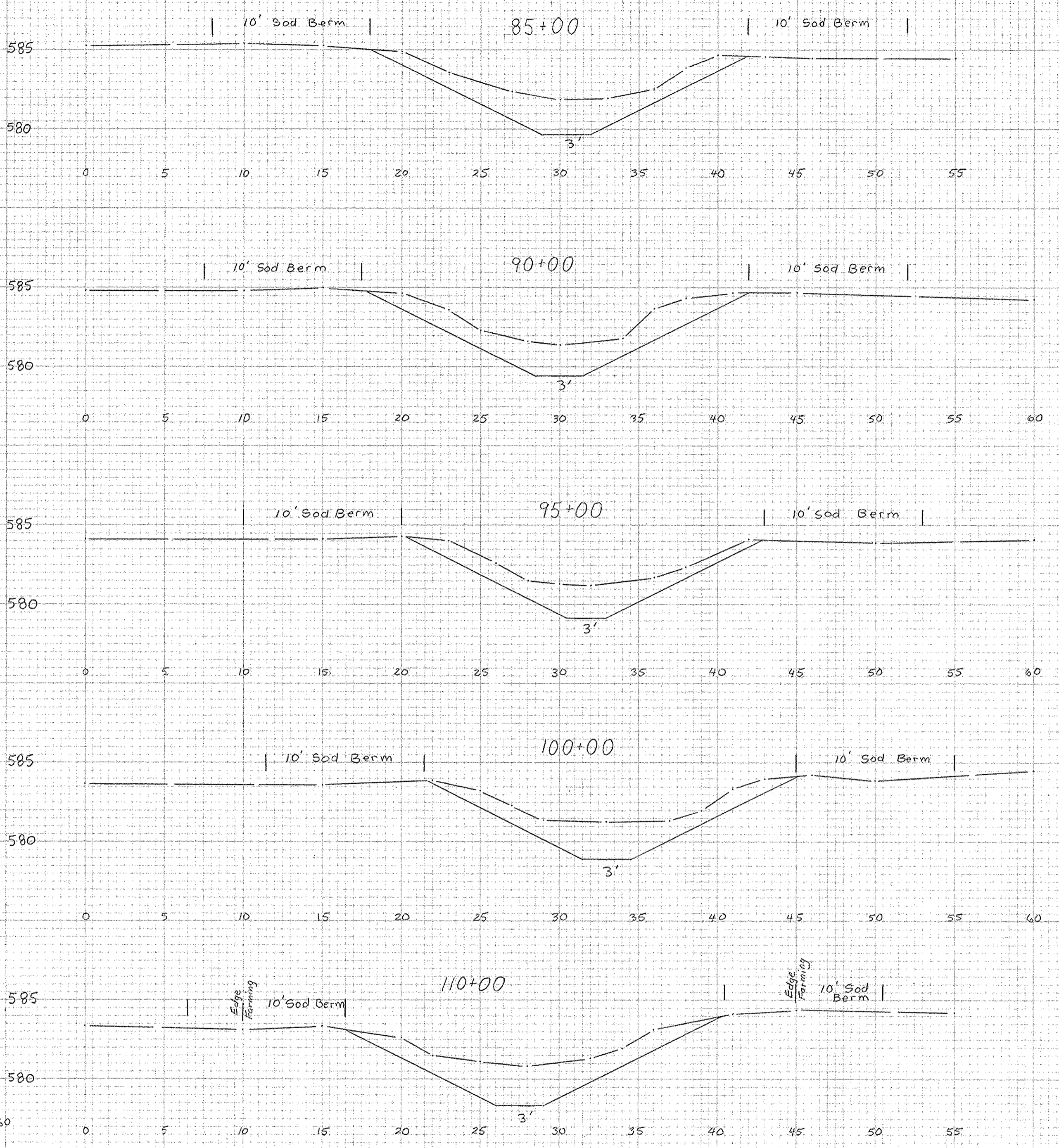
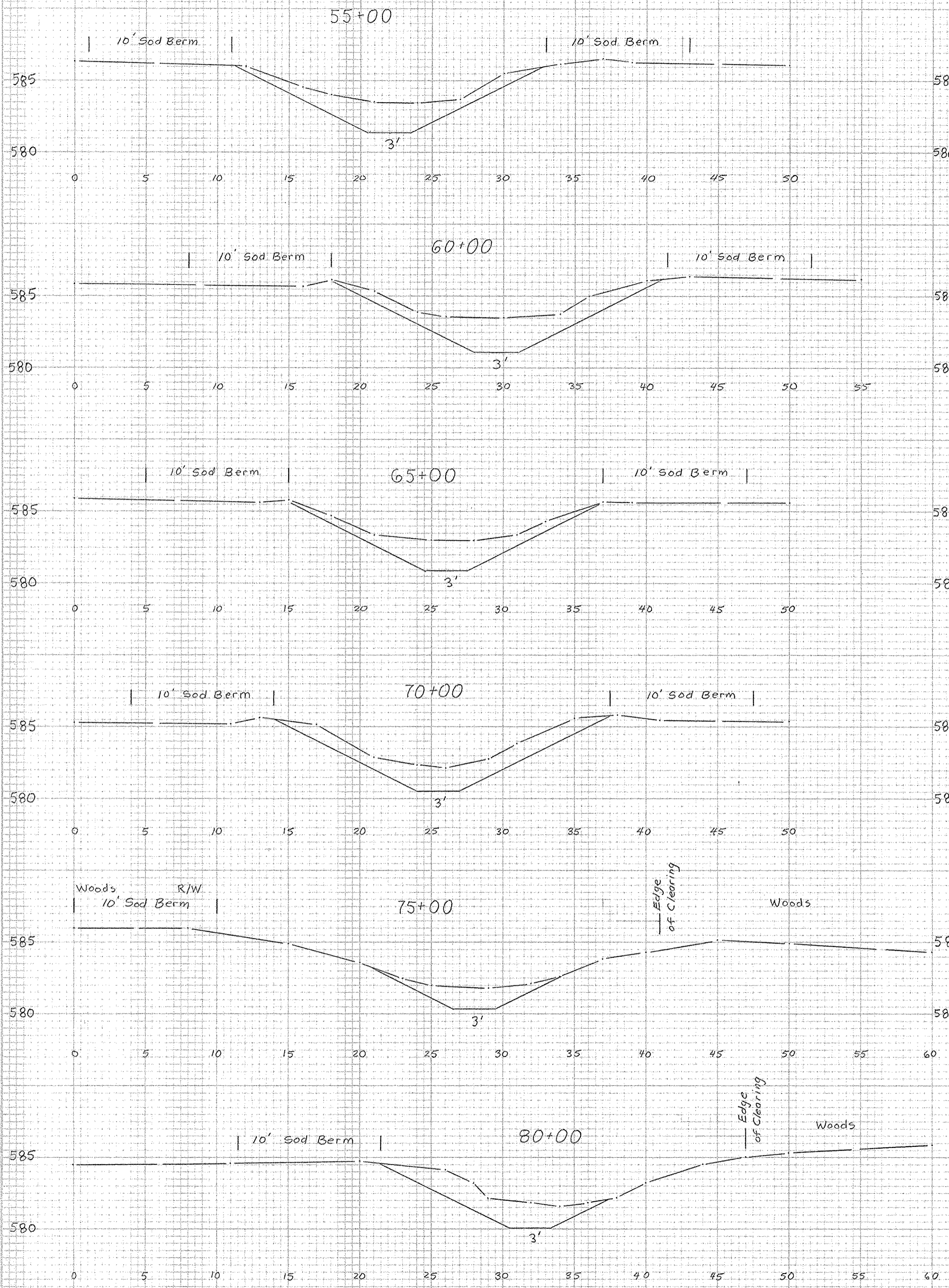


LACARPE CREEK (GAETH) SB 160

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed M. Gargac	Date 9/88	Approved by	
Drawn M. Gargac	11/88	Title	
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		of 10	

2:1 Sideslopes

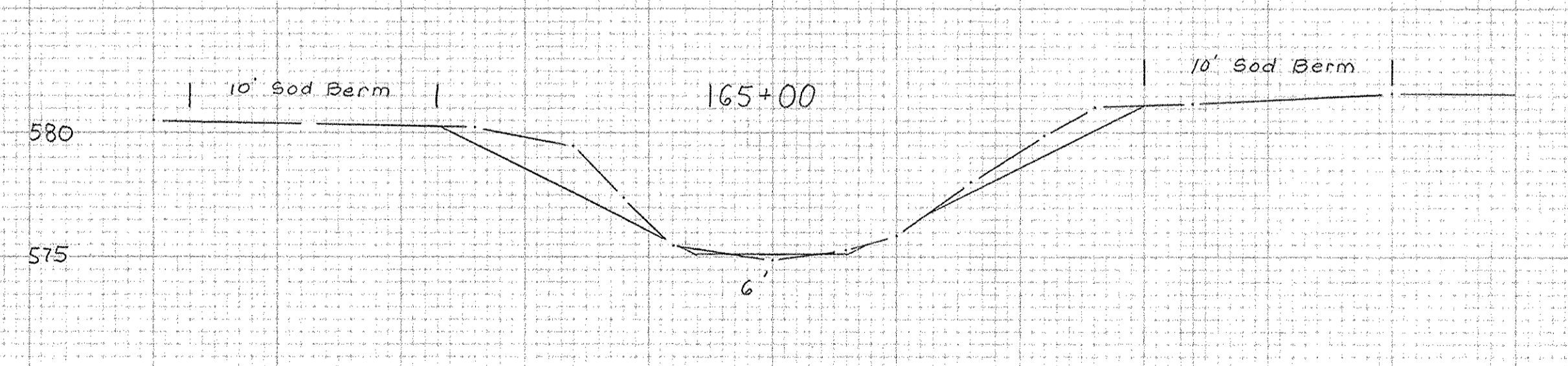
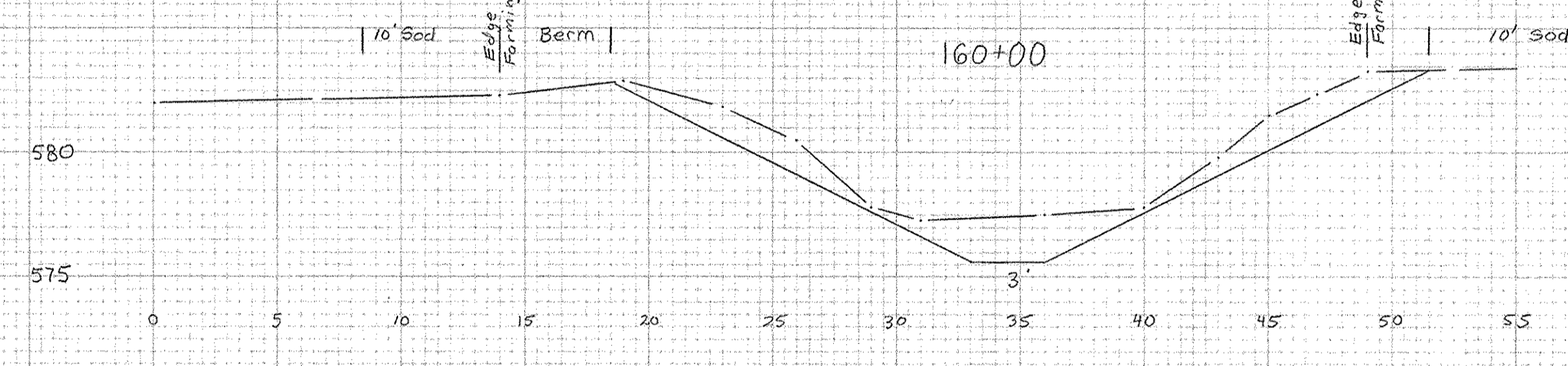
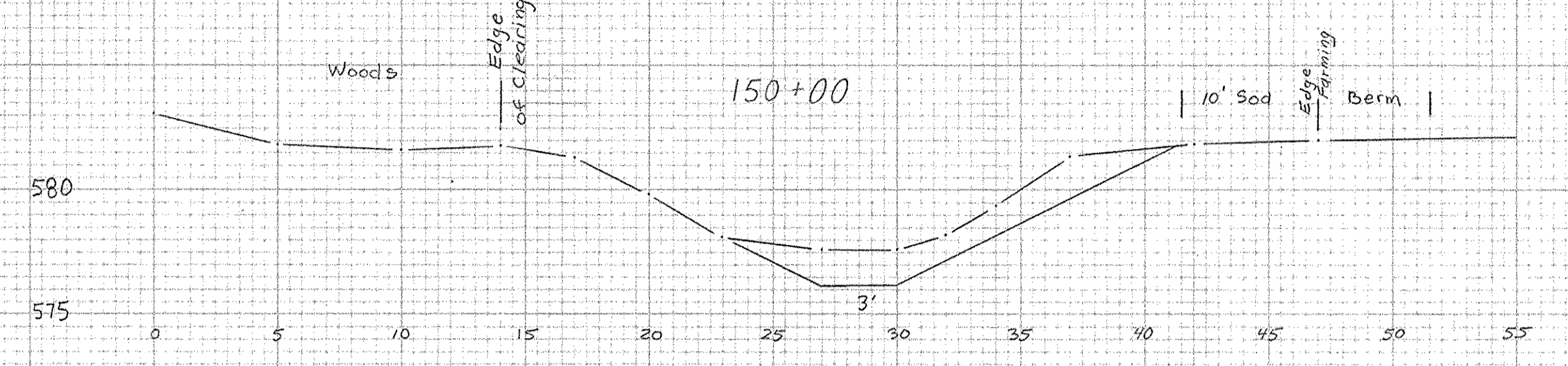
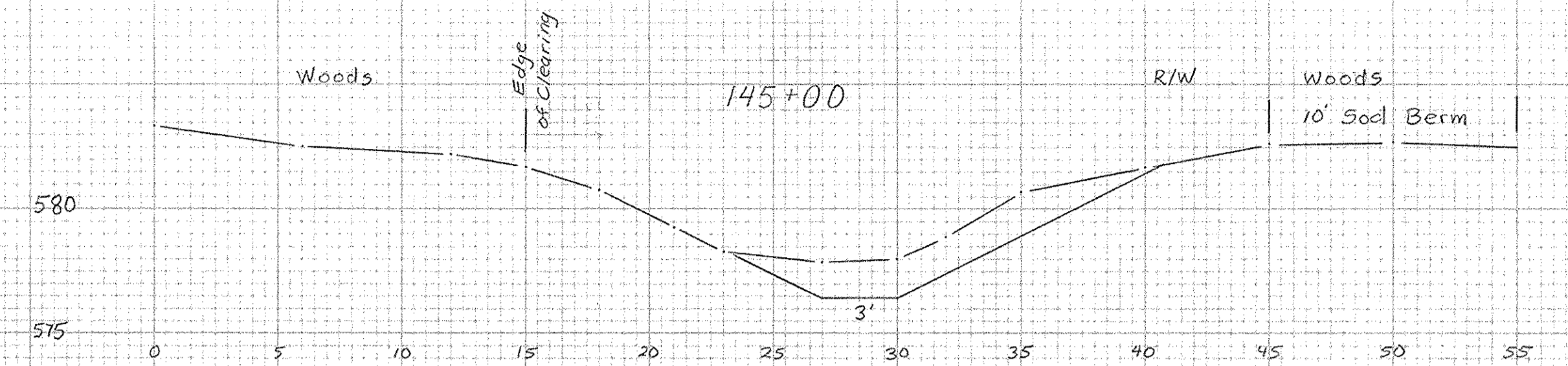
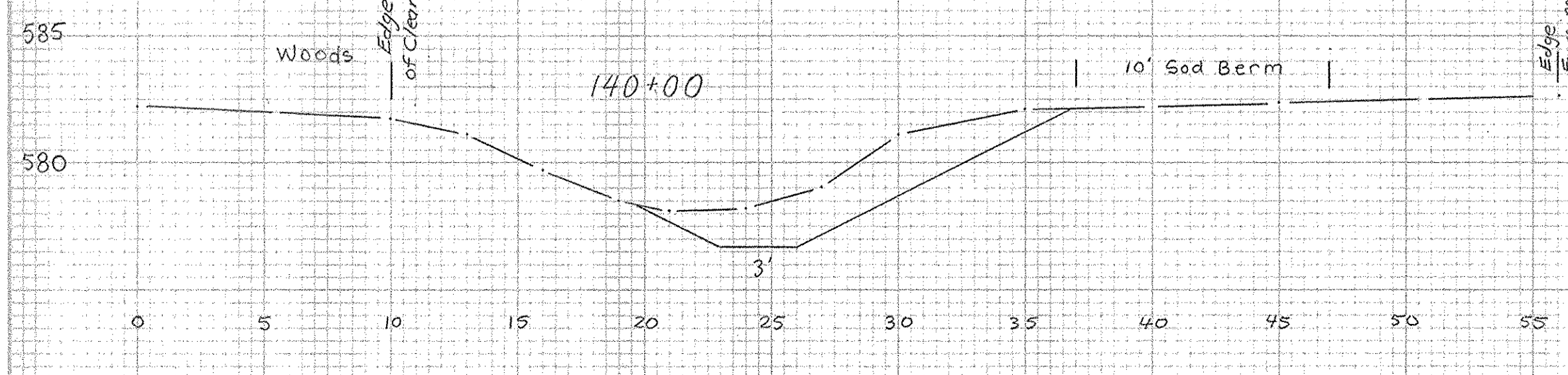
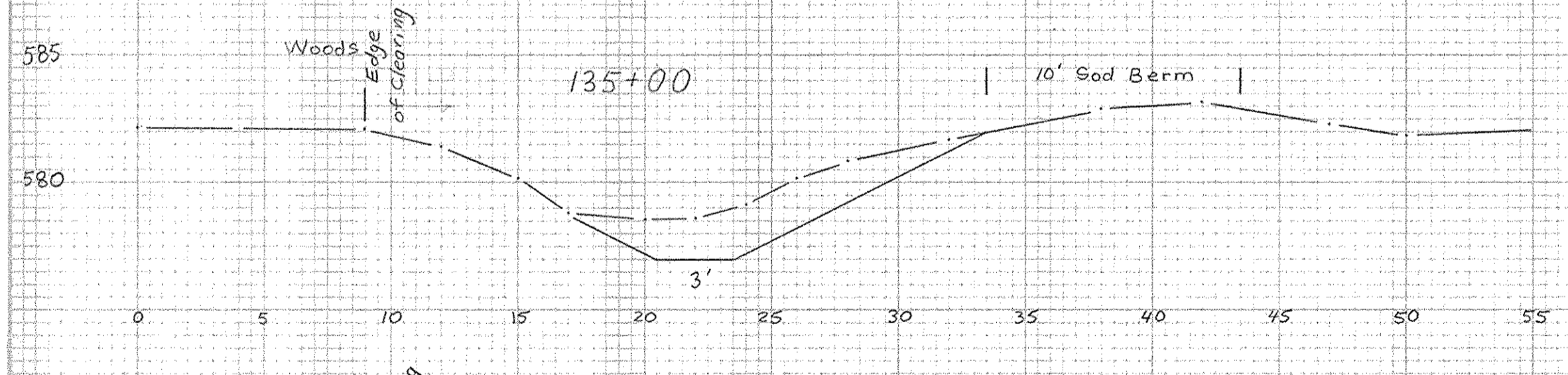
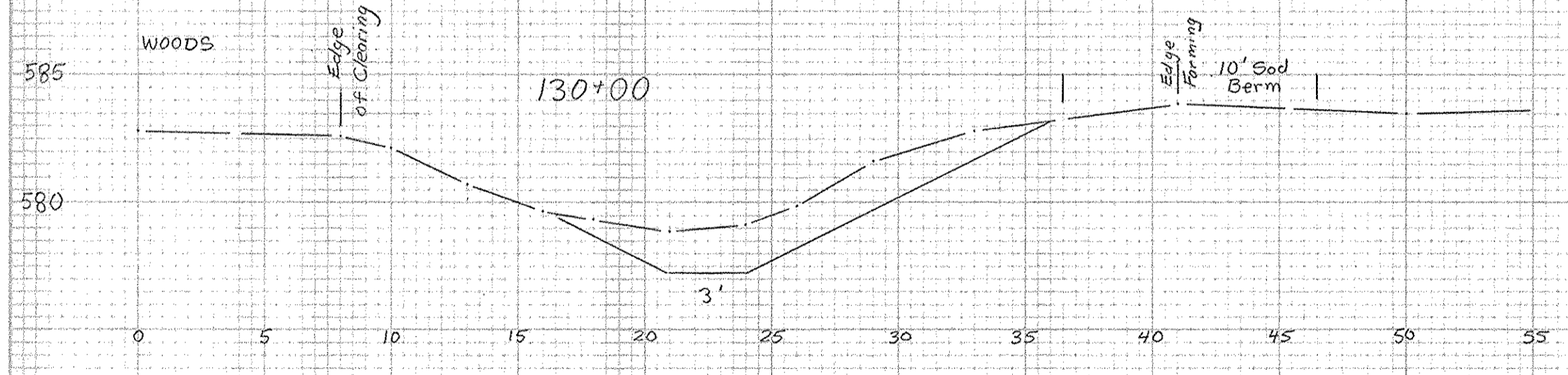
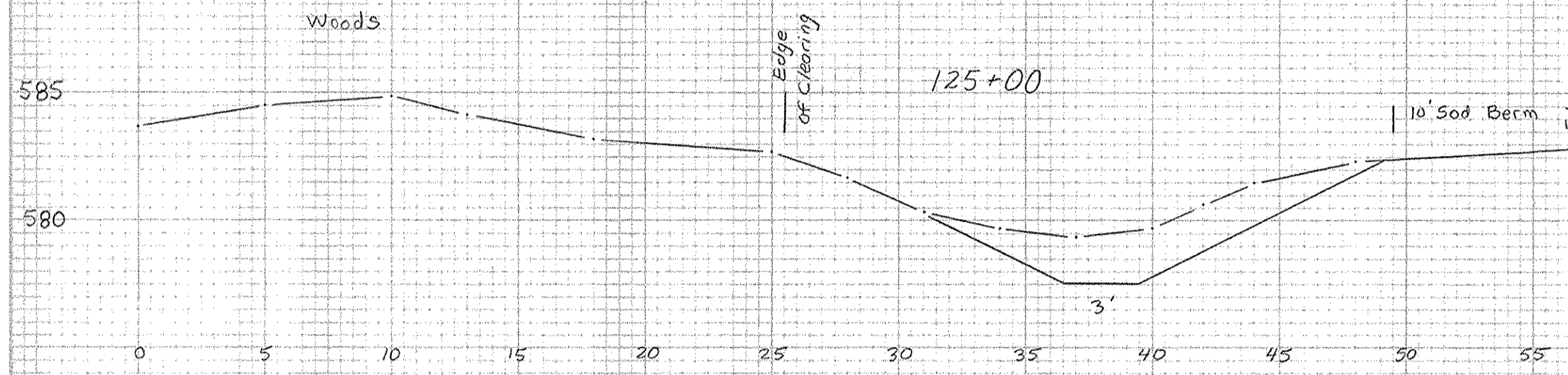
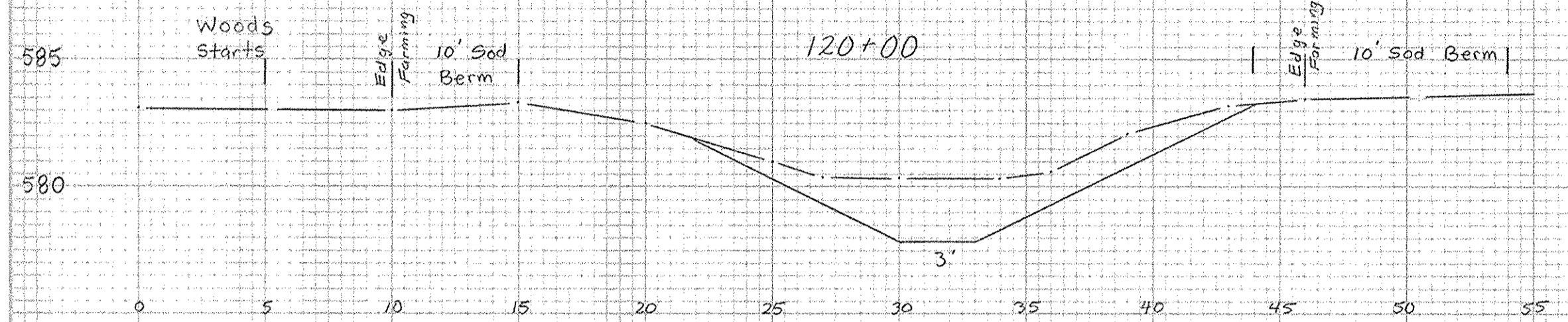
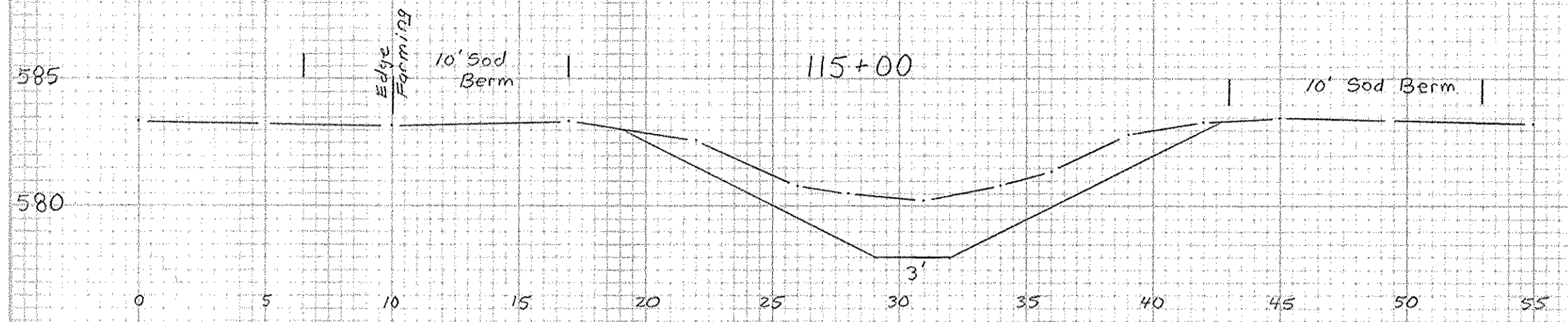


LACARPE CREEK (GAETH) SB 160

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed M. Gargac	Date 9/88	Approved by	Title
Drawn M. Gargac	11/88		
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Checked M.E.B.	11/88	Sheet No. 8	Drawing No. 39-01-383-89-04
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2:1 Sideslopes

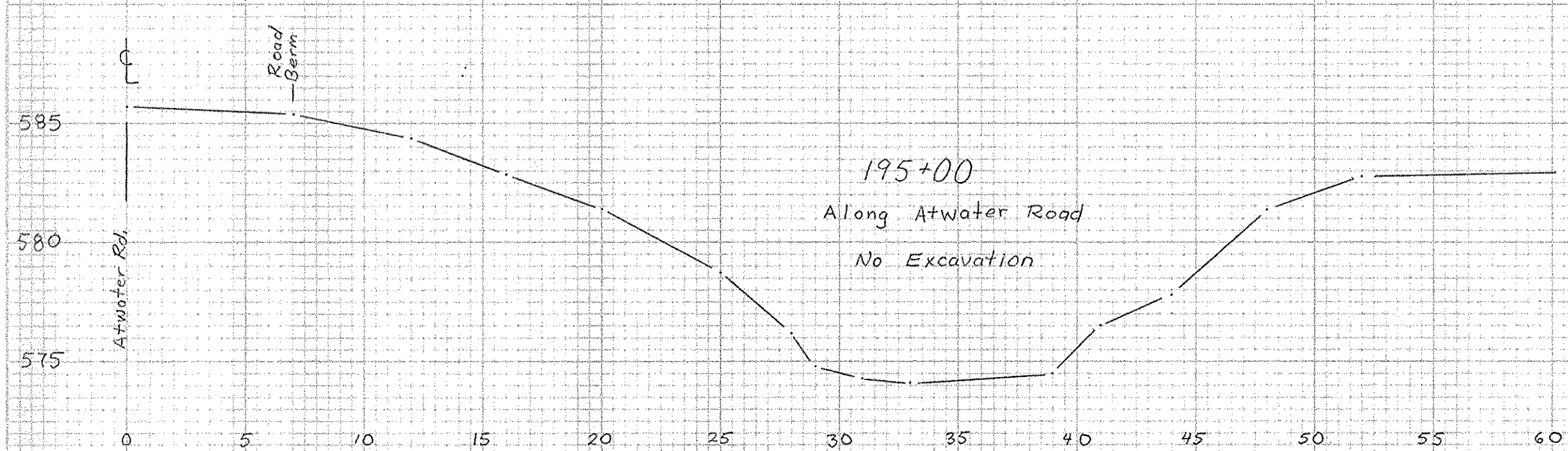
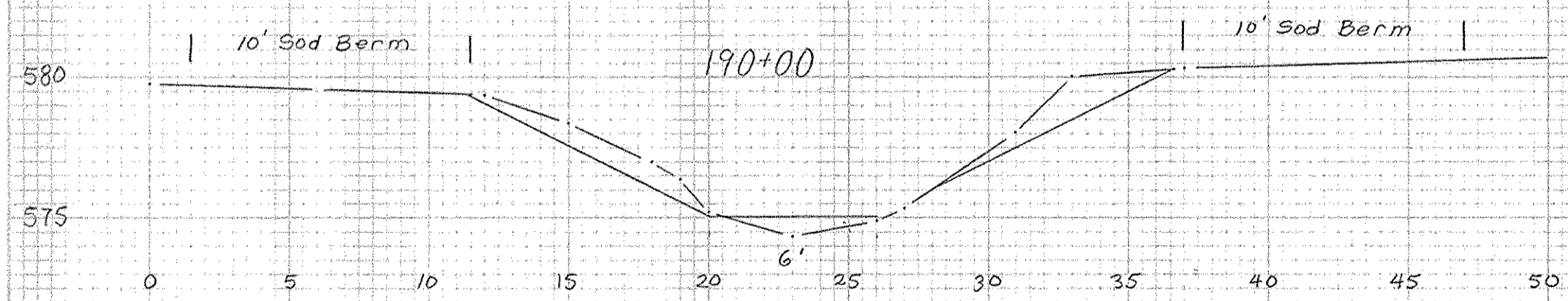
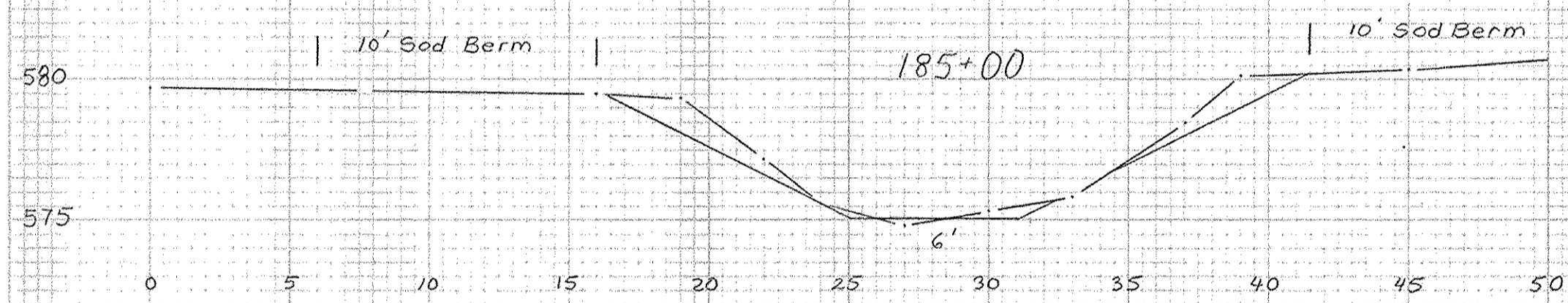
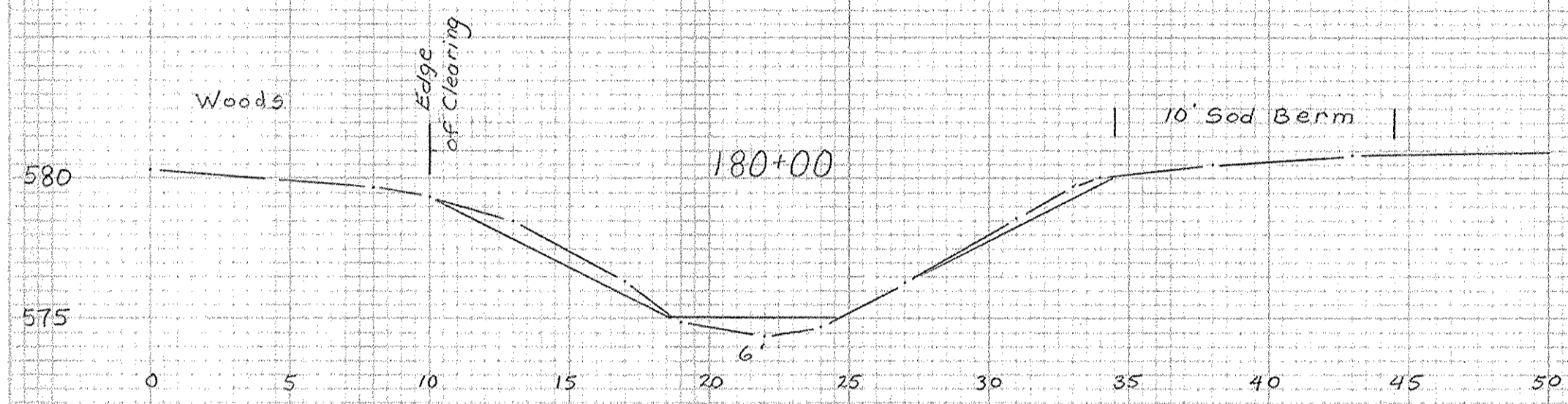
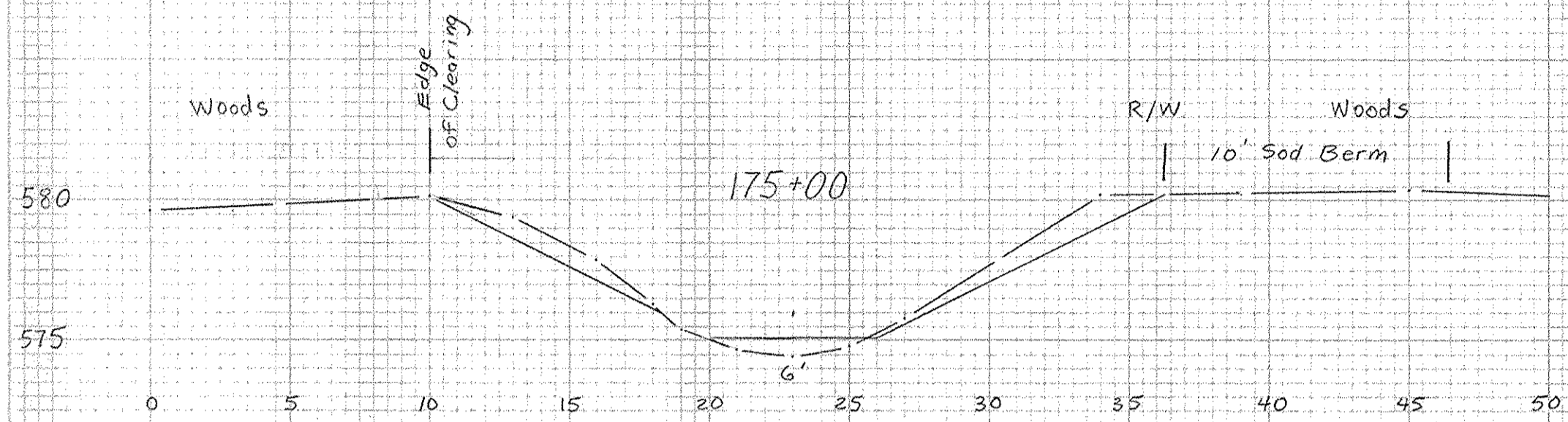
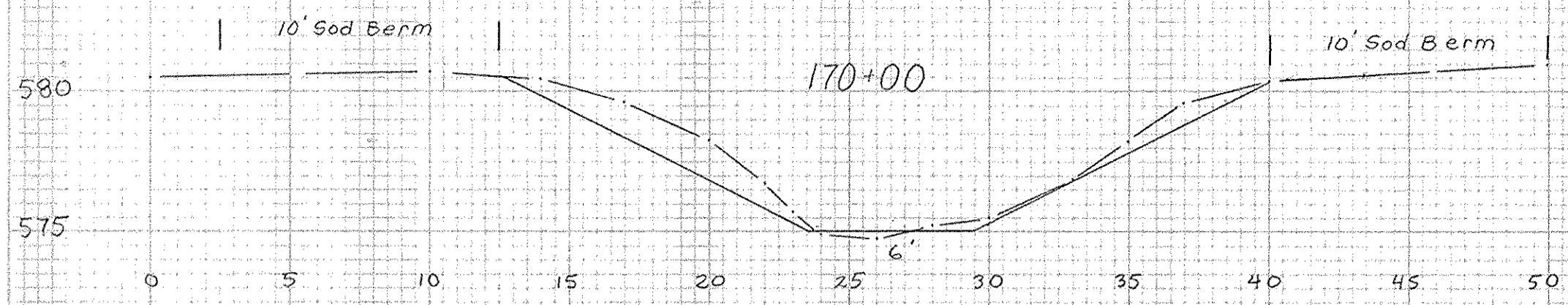


LACARPE CREEK (GAETH) SB 160

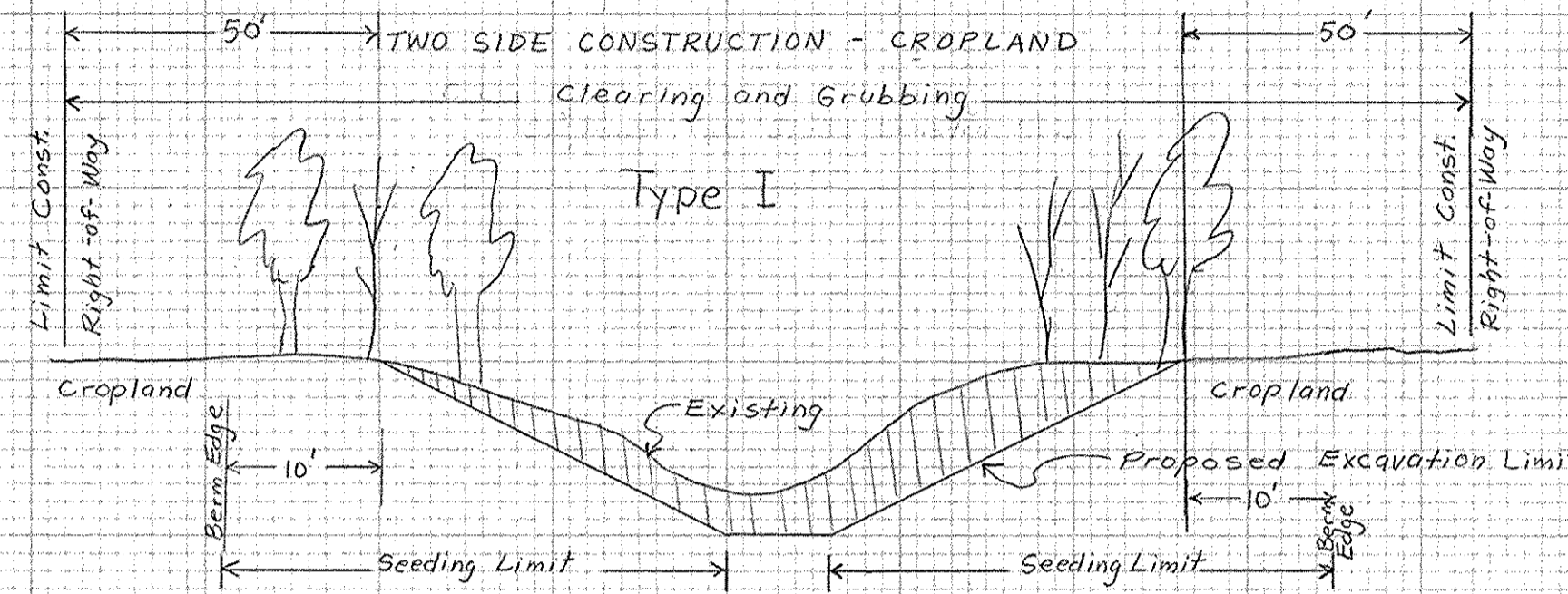
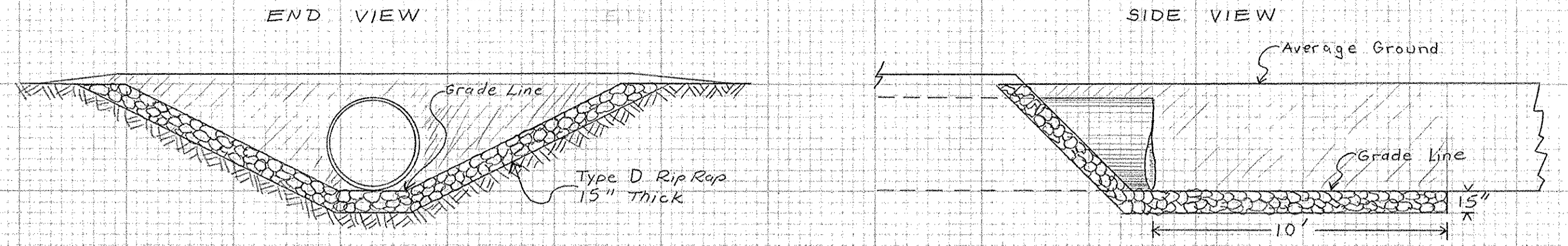
U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Designed <u>M. Gargac</u>	Date	Approved by
Drawn <u>M. Gargac</u>		Title
Traced		Title
Checked <u>M.E.B.</u>	<u>11/88</u>	Sheet <u>9</u> of <u>10</u>
		Drawing No. <u>39-01-383-89-04</u>

2:1 Sideslopes

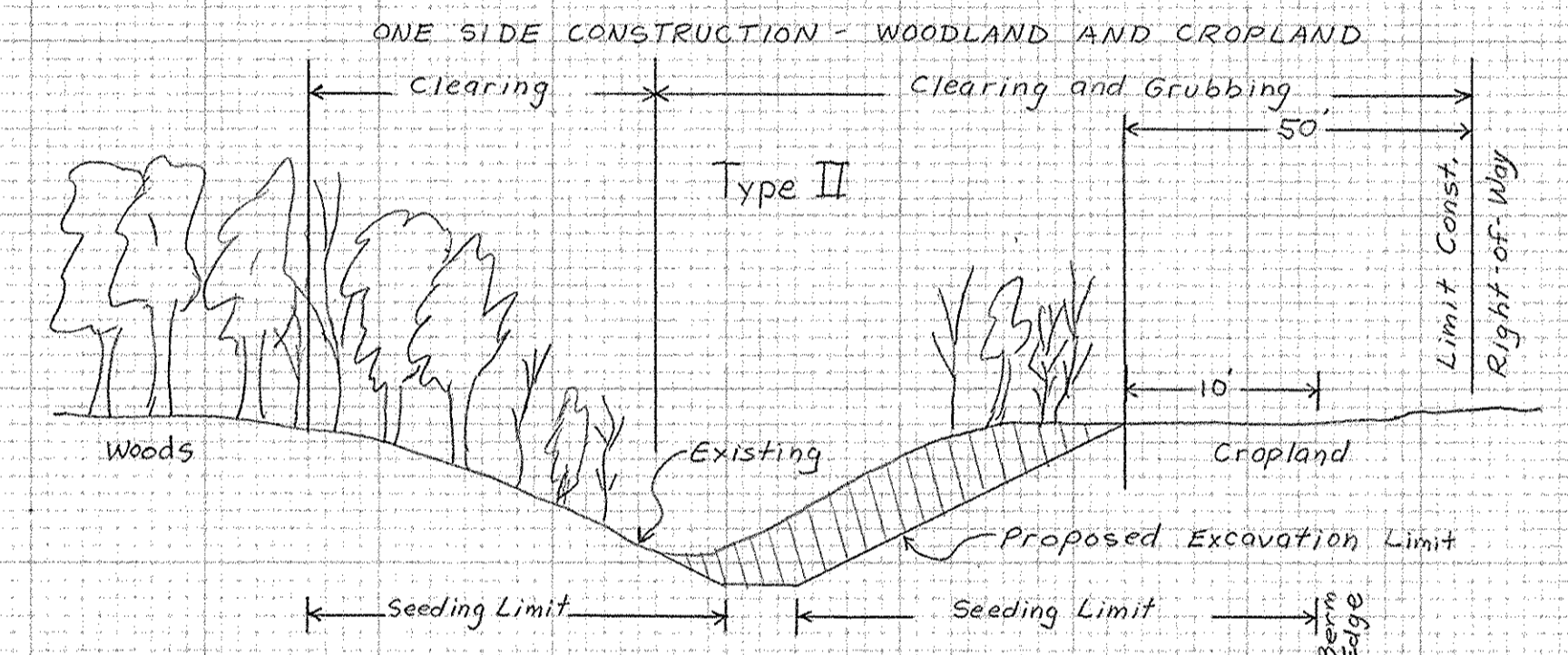


Culvert Rip Rap Detail
Entrance or Exit



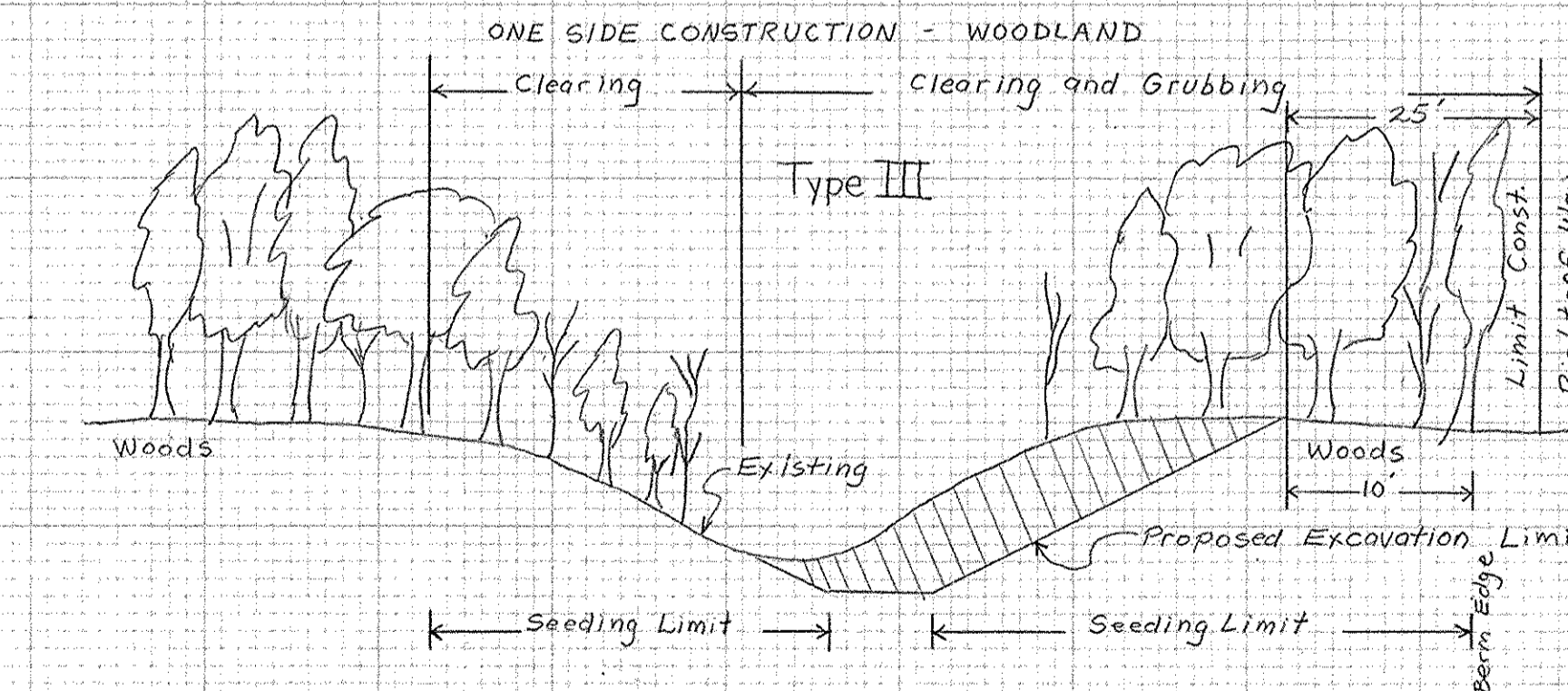
Type I

STATION	0+00 To 14+80
	15+70 To 44+81
	45+30 To 73+00
	80+75 To 103+00
	105+72 To 120+00
	158+00 To 164+14
	164+64 To 172+70
	182+00 To 191+60



Type II

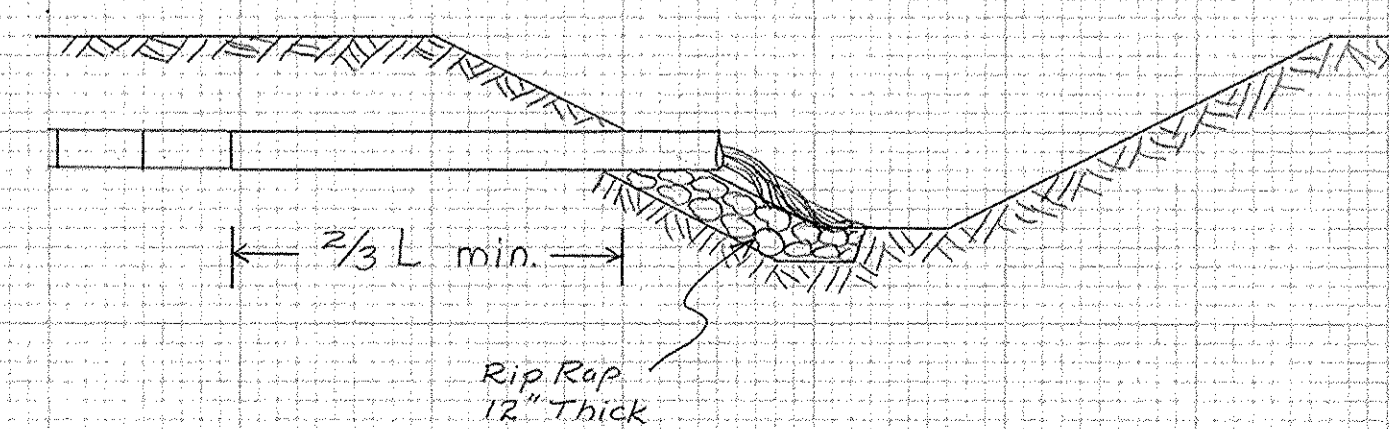
STATION	78+00 To 80+75
	103+00 To 105+40
	120+00 To 158+00
	177+50 To 182+00



Type III

STATION	73+00 To 78+00
	145+00 To 148+00
	172+00 To 177+50

Outlet Pipe Detail



LACARPE CREEK (GAETH) SB 160

U. S. DEPARTMENT OF AGRICULTURE
SOIL CONSERVATION SERVICE

Design: M. Gargac	Date:	Approved by:
Drawn: M. Gargac		Title:
Traced:		File:
Checked: M.E.B.	1/8	Sheet: 10
		Drawing No: 39-01-383-89-04