

INDEX OF SHEETS
SEE SHEET 2

STATE OF VERMONT AGENCY OF TRANSPORTATION

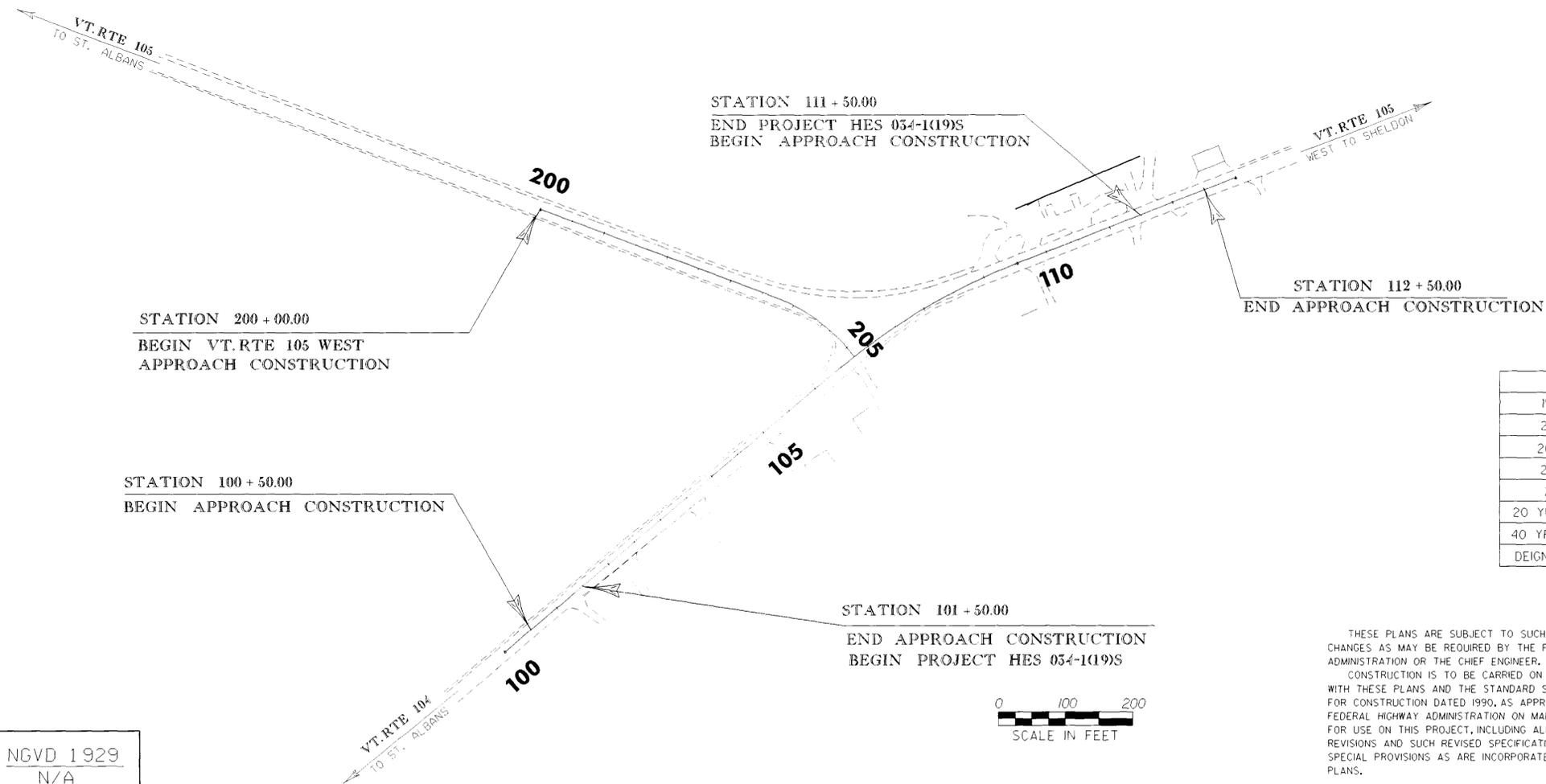
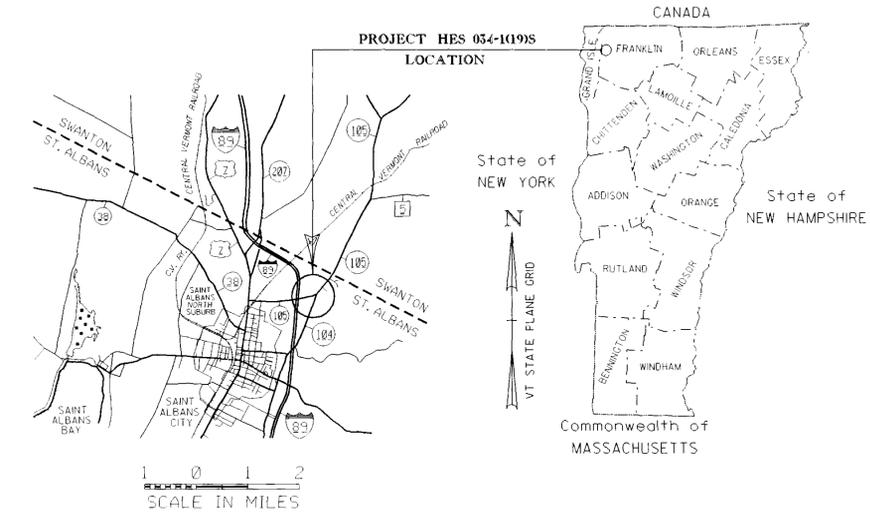


PROPOSED IMPROVEMENT TOWN OF ST. ALBANS COUNTY OF FRANKLIN

VT. RTE. 105 (MINOR ATERIAL) & VT. RTE. 104 (MAJOR COLLECTOR)

BEGINNING ON VERMONT RTE. 104 APPROXIMATELY 4.04 MILES NORTH OF THE FAIRFIELD/ST. ALBANS TOWN LINE AND EXTENDING NORTHEASTERLY ALONG VT. RTE. 104 & 105 FOR APPROXIMATELY 0.189 MILES.
WORK PROPOSED FOR THIS PROJECT CONSISTS OF THE RECONFIGURATION OF VT. ROUTE 105 / VT ROUTE 104 INTERSECTION TO IMPROVE SAFETY.

LENGTH OF ROADWAY = 1000.00 FEET = 0.189 MILES
LENGTH OF PROJECT = 1000.00 FEET = 0.189 MILES



TRAFFIC DATA

	VERMONT RTE 105	VERMONT RTE. 104
1996 ADT	5,160	3,140
2016 ADT	7,050	4,050
2016 ADTT	X	X
2016 DHV	890	560
2016 %T	5	6
20 YR (2016) ESALS	1,217,000	917,500
40 YR (2036) ESALS	5,284,500	2,246,250
DEIGN SPEED (MPH)	50	40

CONVENTIONAL SIGNS

COUNTY LINE	---
TOWN LINE	- - - - -
LIMITS OF ACCESS	o---o---o
POINT OF ACCESS	X
FENCE LINE	x---x---x
STONE WALL	o---o---o---o
TRAVELED WAY	o---o---o---o
GUARD RAIL	o---o---o---o
RAILROAD	
SURVEY LINE	---
CULVERT	---
POWER POLE	⊕
TELEPHONE POLE	⊕
TREES	⊙
CONTROL OF ACCESS	///
PROPERTY LINE	---
R.O.W. TAKING LINE	---
SLOPE RIGHTS	SR
TOP OF CUT	△
TOE OF SLOPE	○

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A



THESE PLANS ARE SUBJECT TO SUCH ENGINEERING CHANGES AS MAY BE REQUIRED BY THE FEDERAL HIGHWAY ADMINISTRATION OR THE CHIEF ENGINEER.
CONSTRUCTION IS TO BE CARRIED ON IN ACCORDANCE WITH THESE PLANS AND THE STANDARD SPECIFICATIONS FOR CONSTRUCTION DATED 1990, AS APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION ON MARCH 15, 1990 FOR USE ON THIS PROJECT, INCLUDING ALL SUBSEQUENT REVISIONS AND SUCH REVISED SPECIFICATIONS AND SPECIAL PROVISIONS AS ARE INCORPORATED IN THESE PLANS.

APPROVED _____ DATE _____
DIRECTOR OF PROJECT DEVELOPMENT

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED _____ DATE _____
DIVISION ADMINISTRATOR

PROJECT
**ST. ALBANS
HES 054-1019S**

12-JAN-1999
de076t11.i
/usr/sqdc/84e076/de076bdr.dgn

SHEET 1 OF SHEETS

INDEX OF SHEETS

- 1. TITLE PAGE
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- 3.-4. TYPICAL SHEET
- 5.-7. QUANTITY SHEET
- 8. ITEM DETAIL AND DRAINAGE SHEET
- 9. EARTHWORKS SHEET
- 10.-16. PLAIN AND PROFILE SHEETS
- 17. BANKING DIAGRAM SHEET
- 18.-19. BLANK
- 20.-22. TEMPORARY EROSION CONTROL SHEETS
- 23.-25. TRAFFIC SIGN SHEETS
- 26.-32. TRAFFIC SIGN SUMMARY SHEETS
- 33.-45. CROSS SECTION SHEETS

STANDARDS

- | | | | |
|-----|--------|------------------------------------------------|---------|
| 46. | B-1 | BANKING TABLES | 6/1/94 |
| 47. | B-5 | SLOPE GRADING, EMBANKMENTS, MUCK | 6/1/94 |
| 48. | B-12 | SIDE ROAD INTERSECTION, DEPRESSED RAMP | 6/1/94 |
| 49. | B-71 | RESIDENTIAL AND COMMERCIAL DRIVES | 3/10/95 |
| 50. | D-2 | C. R. M. HEADWALLS, UNDERDRAIN | 6/1/94 |
| 51. | D-3 | TREATED GUTTERS | 6/1/94 |
| 52. | D-4 | FLUSHING BASINS, END SECTION, ELBOWS | 6/1/94 |
| 53. | E-100 | CONSTRUCTION APPROACH SIGNS | 1/6/97 |
| 54. | E-100A | SIDE ROAD CONSTRUCTION - APPROACH SIGNS | 1/6/97 |
| 55. | E-101 | CONSTRUCTION SIGN DETAILS | 3/10/97 |
| 56. | E-102 | CONSTRUCTION SIGN DETAILS | 8/8/95 |
| 57. | E-110 | MAJOR MAINTENANCE OPERATION LANE CLOSURE | 8/8/95 |
| 58. | E-120 | STANDARD SIGN PLACEMENT - EXPRESSWAY & FREEWAY | 8/8/95 |
| 59. | E-121 | STANDARD SIGN PLACEMENT - CONVENTIONAL ROAD | 8/8/95 |
| 60. | E-123 | GUIDE SIGN PLACEMENT - MISCELLANEOUS DETAILS | 8/8/95 |
| 61. | E-132 | GENERAL MOTORIST SERVICE SIGN DETAILS | 8/18/95 |

- | | | | |
|-----|--------|-------------------------------------------------------------------------------------------|----------|
| 62. | E-135 | INTERSTATE ROUTE MARKER SIGN DETAIL | 8/18/95 |
| 63. | E-136A | U. S. ROUTE MARKER SIGN DETAILS | 8/8/95 |
| 64. | E-136B | STATE ROUTE MARKER SIGN DETAILS | 8/8/95 |
| 65. | E-138 | MILEMARKER DETAILS - STATE & TOWN HIGHWAYS | 8/8/95 |
| 66. | E-140 | REGULATORY SIGN DETAILS | 8/30/96 |
| 67. | E-141 | REGULATORY SIGN DETAILS | 9/20/95 |
| 68. | E-142 | REGULATORY SIGN DETAILS | 9/20/95 |
| 69. | E-143 | REGULATORY SIGN DETAILS | 9/20/95 |
| 70. | E-144 | REGULATORY SIGN DETAILS | 2/2/98 |
| 71. | E-145A | REGULATORY SIGN DETAILS - LANE USE CONTROL SIGNS | 12/23/94 |
| 72. | E-150 | WARNING SIGN DETAILS | 1/15/97 |
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| 74. | E-163 | TUBULAR STEEL SIGN POST | 8/18/95 |
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| 78. | E-193 | PAVEMENT MARKING DETAILS | 8/18/95 |
| 79. | G-1 | STEEL BEAM GUARDRAIL (50MPH & OVER)
TWISTED END TERMINAL
ANCHOR FOR STEEL BEAM RAIL | 6/1/94 |
| 80. | G-17A | MODIFIED ECCENTRIC LOADER TERMINAL (MELT) | 1/18/96 |
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| 82. | J-1 | PROJECT AND BOUNDARY MARKERS | 6/1/94 |
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| 85. | T-2 | TEMPORARY EROSION CONTROL DETAILS | 6/1/94 |

DATUM
VERTICAL _____
HORIZONTAL _____

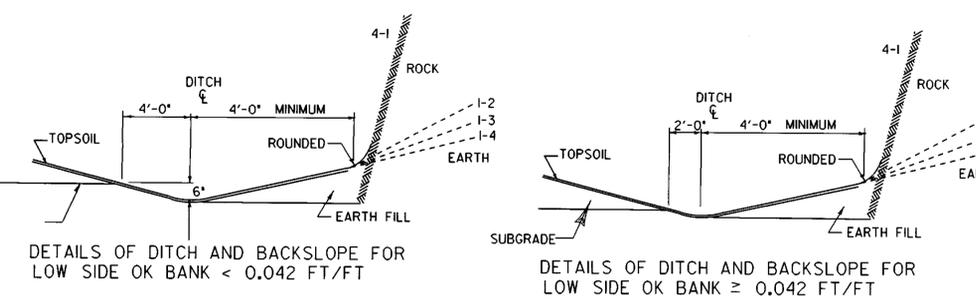
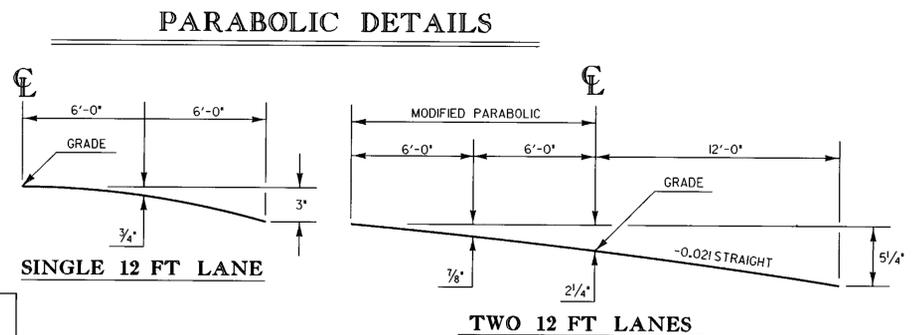
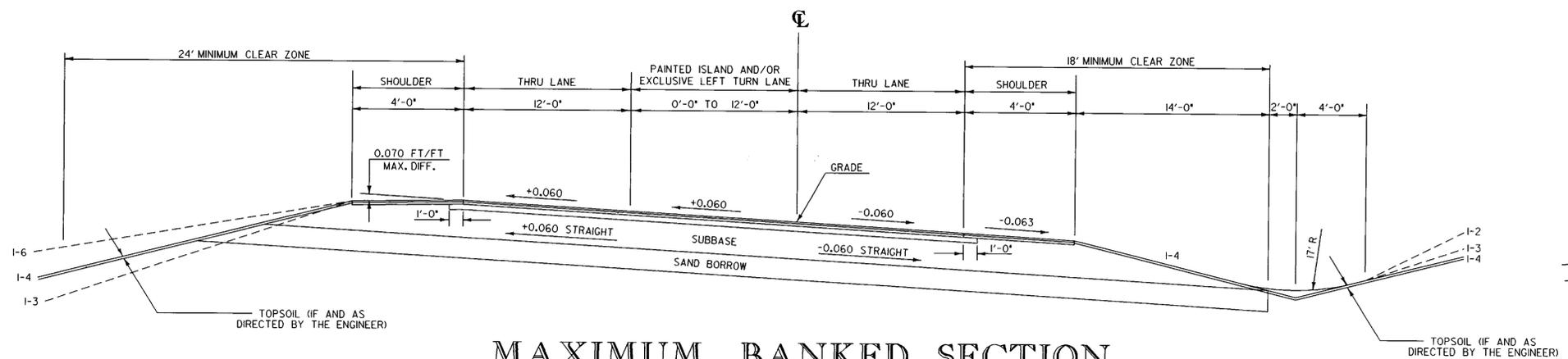
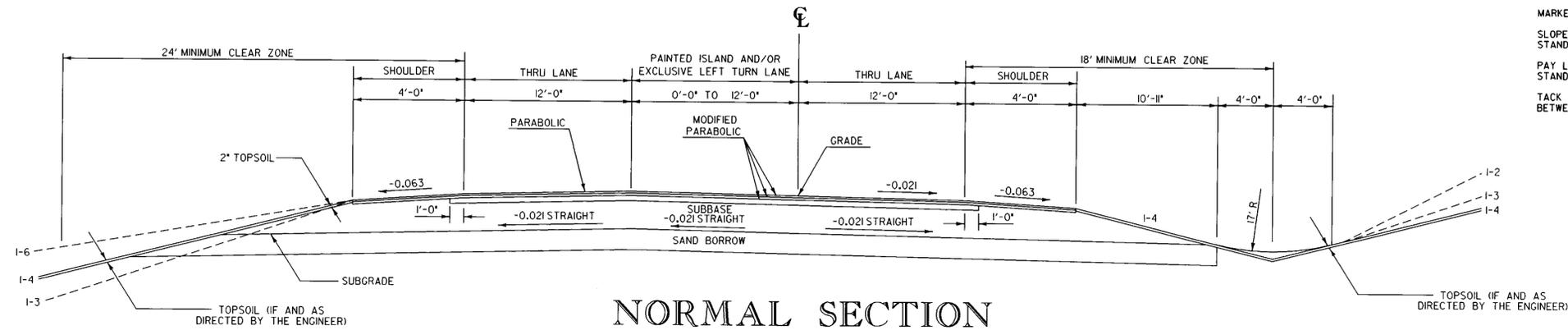
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IPARM FILE NAME: de076ind.1	SURVEY DATE: 9/90
SURVEYED BY: R.MOREAU	DRAWN BY: G.MEUNIER
SQUAD LEADER: S.MENARD	SHEET: OF

TYPICAL SECTIONS

MAINLINE - VT. RTE. 104 AND VT. RTE. 105 EAST

ALL DRAWINGS NOT TO SCALE

1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE III)
 2" BITUMINOUS CONCRETE PAVEMENT (TYPE II)
 4 1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE I)
 24" SUBBASE OF CRUSHED GRAVEL (COARSE GRADED)
 18" SAND BORROW
 NOTE: ALL BITUMINOUS CONCRETE PAVEMENT TO BE PG 58-28



SEEDING FORMULA RURAL AREAS

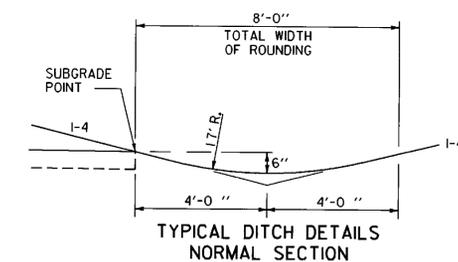
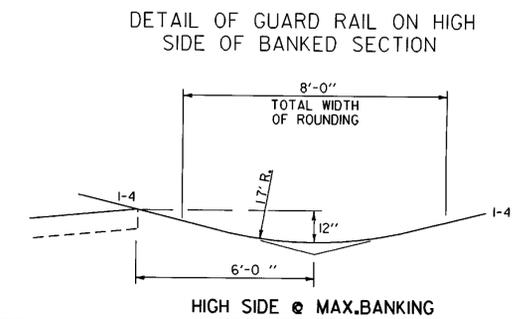
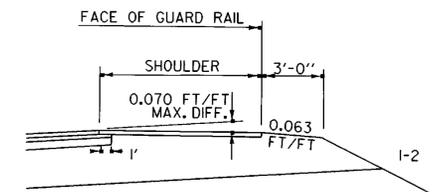
% WT.	LBS./A.	NAME	PUR %	GERM %
37.5	22.5	CREeping RED FESCUE	98	85
37.5	22.5	TALL FESCUE	95	90
5.0	3.0	RED TOP	95	90
15.0	9.0	BIRDSFOOT TREFOIL	98	85
5.0	3.0	ANNUAL RYEGRASS	95	85
100.0	60.0			

GENERAL NOTES

- SEED MIXTURE: SHALL NOT HAVE A WEED CONTENT EXCEEDING 0.40% BY WEIGHT AND SHALL BE FREE OF ALL NOXIOUS SEED.
- SEEDS: TO BE APPLIED PER SEEDING FORMULAS OR AS DIRECTED BY THE ENGINEER.
- FERTILIZER: FORMULA 10-20-10, TO BE USED WITH SEED, APPLIED AT THE RATE OF 500 LBS./ACRE. (HYDRO SEEDERS MAY USE 19-19-19 FORMULA).
- AGRICULTURAL LIMESTONE: TO BE APPLIED AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
- HAY MULCH: TO BE PLACED ON EARTH SLOPES AT THE RATE OF 2 TONS/ACRE, OR AS DIRECTED BY THE ENGINEER.
- TOPSOIL: TO BE USED WITH SEED AS INDICATED ON THE PLANS, OR AS DIRECTED BY THE ENGINEER.
- MARKER POSTS: TO BE PLACED AS INDICATED OR AS DIRECTED BY THE ENGINEER.
- SLOPE ROUNDING: ALL CUT SLOPES TO BE ROUNDED IN ACCORDANCE WITH STANDARD SHEET B-5.
- PAY LIMITS OF SAND BORROW: WHEN USED IN CONJUNCTION WITH UNDERDRAIN - SEE STANDARD SHEET D - 2.
- TACK COAT: EMULSIFIED ASPHALT IS TO BE APPLIED AT THE RATE OF 0.015 GAL/SY BETWEEN SUCCESSIVE COURSES OF PAVEMENT AS DIRECTED BY THE ENGINEER.

THICKNESS TOLERANCES

PAVEMENT (TOTAL DEPTH)	= + 1/4"
SUBBASE	= + 1"
SAND	= + 1"



DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A

PROJECT:	ST. ALBANS	PROJECT NO.:	HES 034-1(19)S
DESIGN FILE NAME:	SODC/84E076/DE076XS.DGN	PLOT DATE:	30-DEC-1998
IPARM FILE NAME:	de076tpl.l	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF

THICKNESS TOLERANCES

PAVEMENT (TOTAL DEPTH) = + 1/4"
 SUBBASE = + 1"
 SAND = + 1"

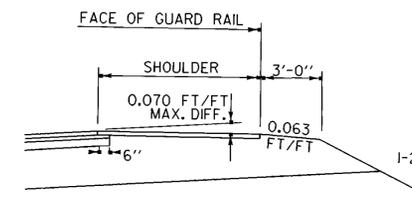
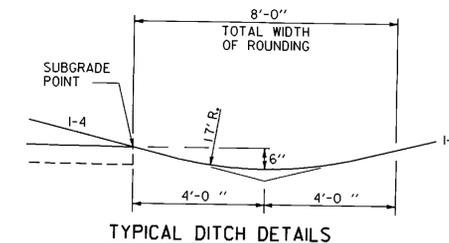
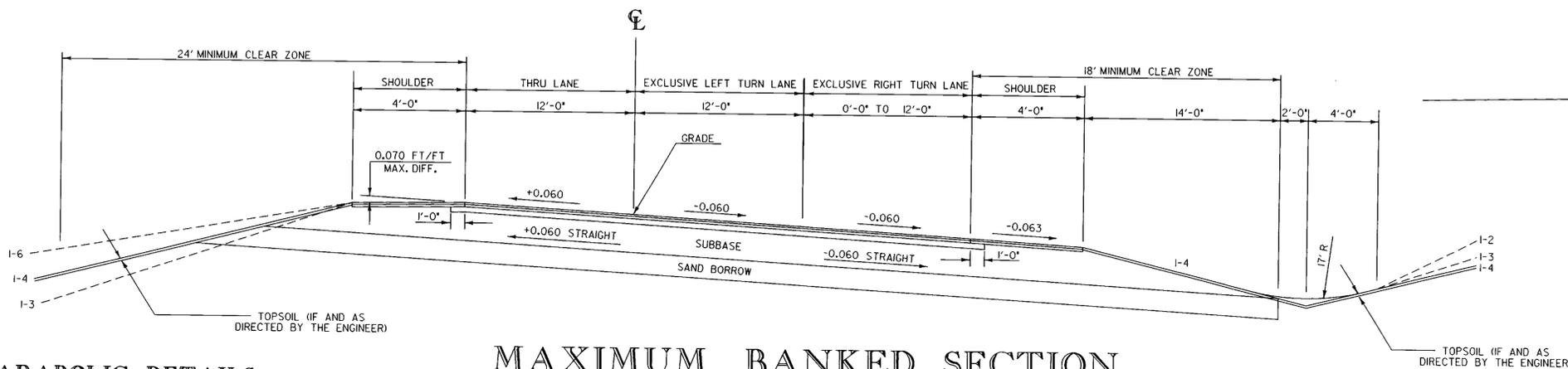
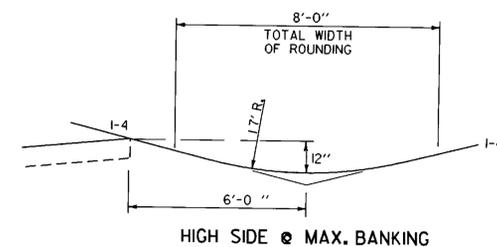
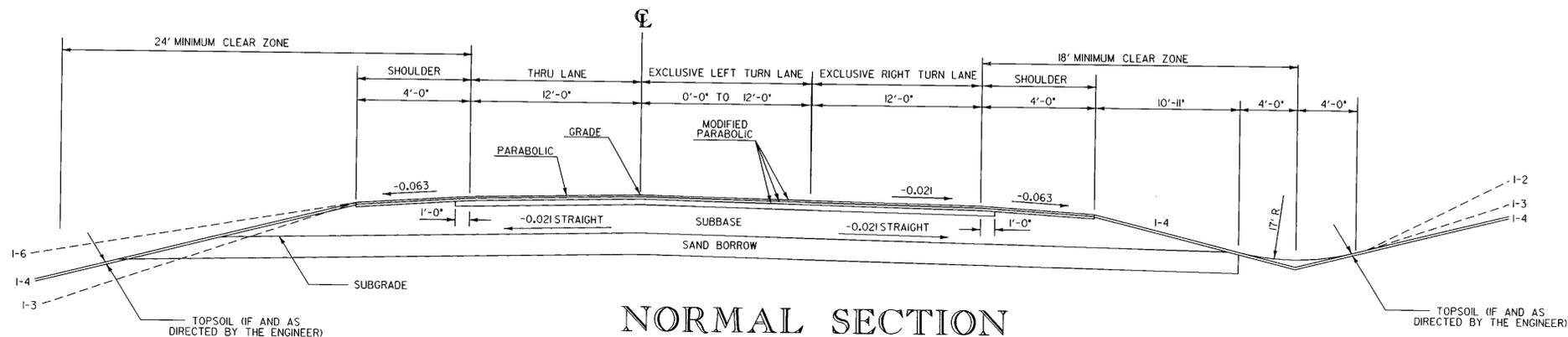
TYPICAL SECTIONS

SIDELINE - VT. RTE. 105 WEST

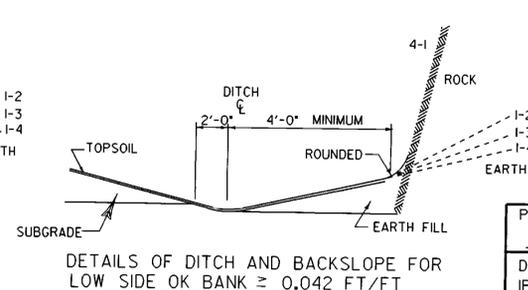
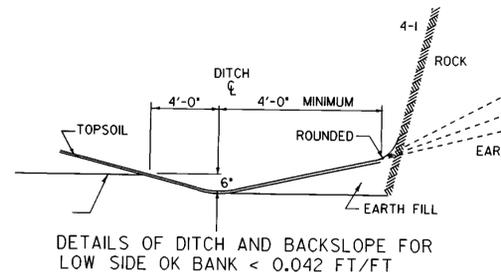
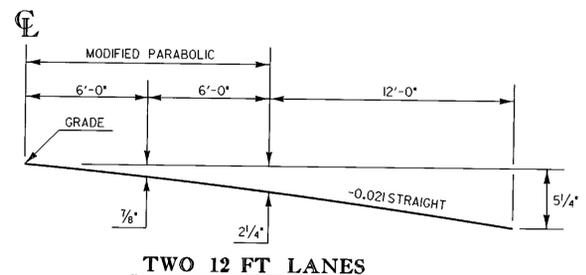
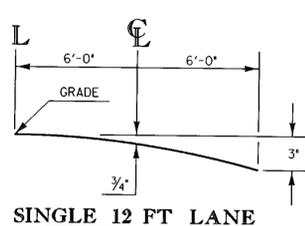
ALL DRAWINGS NOT TO SCALE

1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE III)
 2" BITUMINOUS CONCRETE PAVEMENT (TYPE II)
 4 1/2" BITUMINOUS CONCRETE PAVEMENT (TYPE I)
 24" SUBBASE OF CRUSHED GRAVEL (COARSE GRADED)
 18" SAND BORROW

NOTE: ALL BITUMINOUS CONCRETE PAVEMENT TO BE PG 58-28



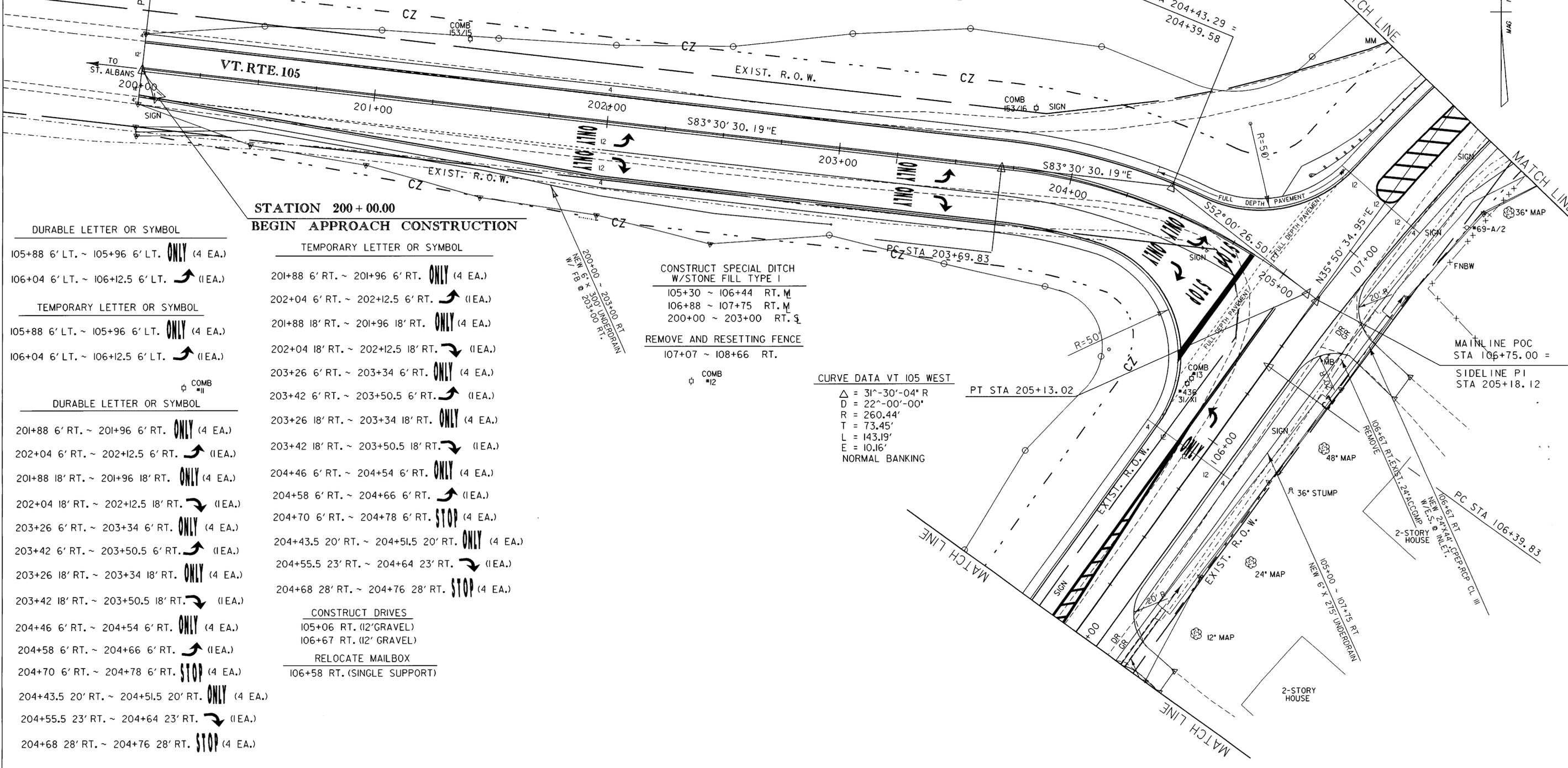
PARABOLIC DETAILS



DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A

PROJECT:	ST. ALBANS	PROJECT NO.:	HES 034-1(19)S
DESIGN FILE NAME:	S0DC/84E076/DE076XS.DGN	PLOT DATE:	12-JAN-1999
IPARM FILE NAME:	de076+p2.1	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF

DURABLE 4" WHITE LINE 105+00 ~ 106+00 LT. (ED. LINE) 107+25 ~ 107+75 LT. (ED. LINE) 105+00 ~ 107+75 RT. (ED. LINE) 105+00 C ~ 106+64 C 200+00 S LT. ~ 107+75 M LT. (ED. LINE) 200+00 S RT. ~ 106+00 M LT. (ED. LINE) 200+15 12' RT. ~ 204+84 12' RT.	TEMPORARY 4" WHITE LINE 105+00 ~ 106+00 LT. (ED. LINE) 107+25 ~ 107+75 LT. (ED. LINE) 105+00 ~ 107+75 RT. (ED. LINE) 105+00 C ~ 106+64 C 200+00 S LT. ~ 107+75 M LT. (ED. LINE) 200+00 S RT. ~ 106+00 M LT. (ED. LINE) 200+15 12' RT. ~ 204+84 12' RT.	DURABLE 4" YELLOW LINE 105+00 6' LT. ~ 106+25 12' LT. (DBL. LINE) 105+00 12' LT. ~ 106+64 12' LT. (DBL. LINE) 107+25 ~ 107+31 (DBL. LINE) (END OF ISLAND) 107+31 C ~ 107+50 C (DBL. LINE) 107+31 12' LT. ~ 107+50 10' LT. (DBL. LINE) 200+00 C ~ 204+84 C (DBL. LINE)	TEMPORARY 4" YELLOW LINE 105+00 6' LT. ~ 106+25 12' LT. (DBL. LINE) 105+00 12' LT. ~ 106+64 12' LT. (DBL. LINE) 107+25 ~ 107+31 (DBL. LINE) (END OF ISLAND) 107+31 C ~ 107+50 C (DBL. LINE) 107+31 12' LT. ~ 107+50 10' LT. (DBL. LINE) 200+00 C ~ 204+84 C (DBL. LINE)	DURABLE 8" YELLOW LINE 107+25 ~ 107+75 (DIAGONAL LINES) TEMPORARY 8" YELLOW LINE 107+25 ~ 107+75 (DIAGONAL LINES)
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**STATION 200+00.00
BEGIN APPROACH CONSTRUCTION**

DURABLE LETTER OR SYMBOL	TEMPORARY LETTER OR SYMBOL
105+88 6' LT. ~ 105+96 6' LT. ONLY (4 EA.)	201+88 6' RT. ~ 201+96 6' RT. ONLY (4 EA.)
106+04 6' LT. ~ 106+12.5 6' LT. ↑ (1 EA.)	202+04 6' RT. ~ 202+12.5 6' RT. ↑ (1 EA.)
TEMPORARY LETTER OR SYMBOL	
105+88 6' LT. ~ 105+96 6' LT. ONLY (4 EA.)	201+88 18' RT. ~ 201+96 18' RT. ONLY (4 EA.)
106+04 6' LT. ~ 106+12.5 6' LT. ↑ (1 EA.)	202+04 18' RT. ~ 202+12.5 18' RT. ↑ (1 EA.)
DURABLE LETTER OR SYMBOL	
201+88 6' RT. ~ 201+96 6' RT. ONLY (4 EA.)	203+26 6' RT. ~ 203+34 6' RT. ONLY (4 EA.)
202+04 6' RT. ~ 202+12.5 6' RT. ↑ (1 EA.)	203+42 6' RT. ~ 203+50.5 6' RT. ↑ (1 EA.)
201+88 18' RT. ~ 201+96 18' RT. ONLY (4 EA.)	203+26 18' RT. ~ 203+34 18' RT. ONLY (4 EA.)
202+04 18' RT. ~ 202+12.5 18' RT. ↑ (1 EA.)	203+42 18' RT. ~ 203+50.5 18' RT. ↑ (1 EA.)
201+88 18' RT. ~ 201+96 18' RT. ONLY (4 EA.)	204+46 6' RT. ~ 204+54 6' RT. ONLY (4 EA.)
202+04 18' RT. ~ 202+12.5 18' RT. ↑ (1 EA.)	204+58 6' RT. ~ 204+66 6' RT. ↑ (1 EA.)
203+26 6' RT. ~ 203+34 6' RT. ONLY (4 EA.)	204+70 6' RT. ~ 204+78 6' RT. STOP (4 EA.)
203+42 6' RT. ~ 203+50.5 6' RT. ↑ (1 EA.)	204+43.5 20' RT. ~ 204+51.5 20' RT. ONLY (4 EA.)
203+26 18' RT. ~ 203+34 18' RT. ONLY (4 EA.)	204+55.5 23' RT. ~ 204+64 23' RT. ↑ (1 EA.)
203+42 18' RT. ~ 203+50.5 18' RT. ↑ (1 EA.)	204+68 28' RT. ~ 204+76 28' RT. STOP (4 EA.)
203+26 18' RT. ~ 203+34 18' RT. ONLY (4 EA.)	
203+42 18' RT. ~ 203+50.5 18' RT. ↑ (1 EA.)	CONSTRUCT DRIVES
204+46 6' RT. ~ 204+54 6' RT. ONLY (4 EA.)	105+06 RT. (12' GRAVEL)
204+58 6' RT. ~ 204+66 6' RT. ↑ (1 EA.)	106+67 RT. (12' GRAVEL)
204+70 6' RT. ~ 204+78 6' RT. STOP (4 EA.)	RELOCATE MAILBOX
204+43.5 20' RT. ~ 204+51.5 20' RT. ONLY (4 EA.)	106+58 RT. (SINGLE SUPPORT)
204+55.5 23' RT. ~ 204+64 23' RT. ↑ (1 EA.)	
204+68 28' RT. ~ 204+76 28' RT. STOP (4 EA.)	

**CONSTRUCT SPECIAL DITCH
W/STONE FILL TYPE I**
105+30 ~ 106+44 RT. M
106+88 ~ 107+75 RT. M
200+00 ~ 203+00 RT. S

REMOVE AND RESET FENCE
107+07 ~ 108+66 RT.

CURVE DATA VT 105 WEST
Δ = 31°-30'-04" R
D = 22°-00'-00"
R = 260.44'
T = 73.45'
L = 143.19'
E = 10.16'
NORMAL BANKING

DATUM

VERTICAL	NGVD 1929
HORIZONTAL	N/A



PROJECT:	ST. ALBANS	PROJECT NO.:	HES 034-109S
DESIGN FILE NAME:	/SODC/84E076/DE076BDR.DGN	PLOT DATE:	8-JAN-1999
IPARM FILE NAME:	de07612.I	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	G. MELNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF

CONSTRUCT DRIVES
 109+78 RT. (12' GRAVEL)
 111+32 RT. (12' GRAVEL)
 109+53 ~ 111+80 LT. (BARN YARD GRAVEL)

STEEL BEAM GUARD RAIL
 107+50.00 LT ~ 109+12.00 LT

M.E.L.T.
 107+12.50 LT ~ 107+50.00 LT
 109+12.00 LT ~ 109+99.50 LT

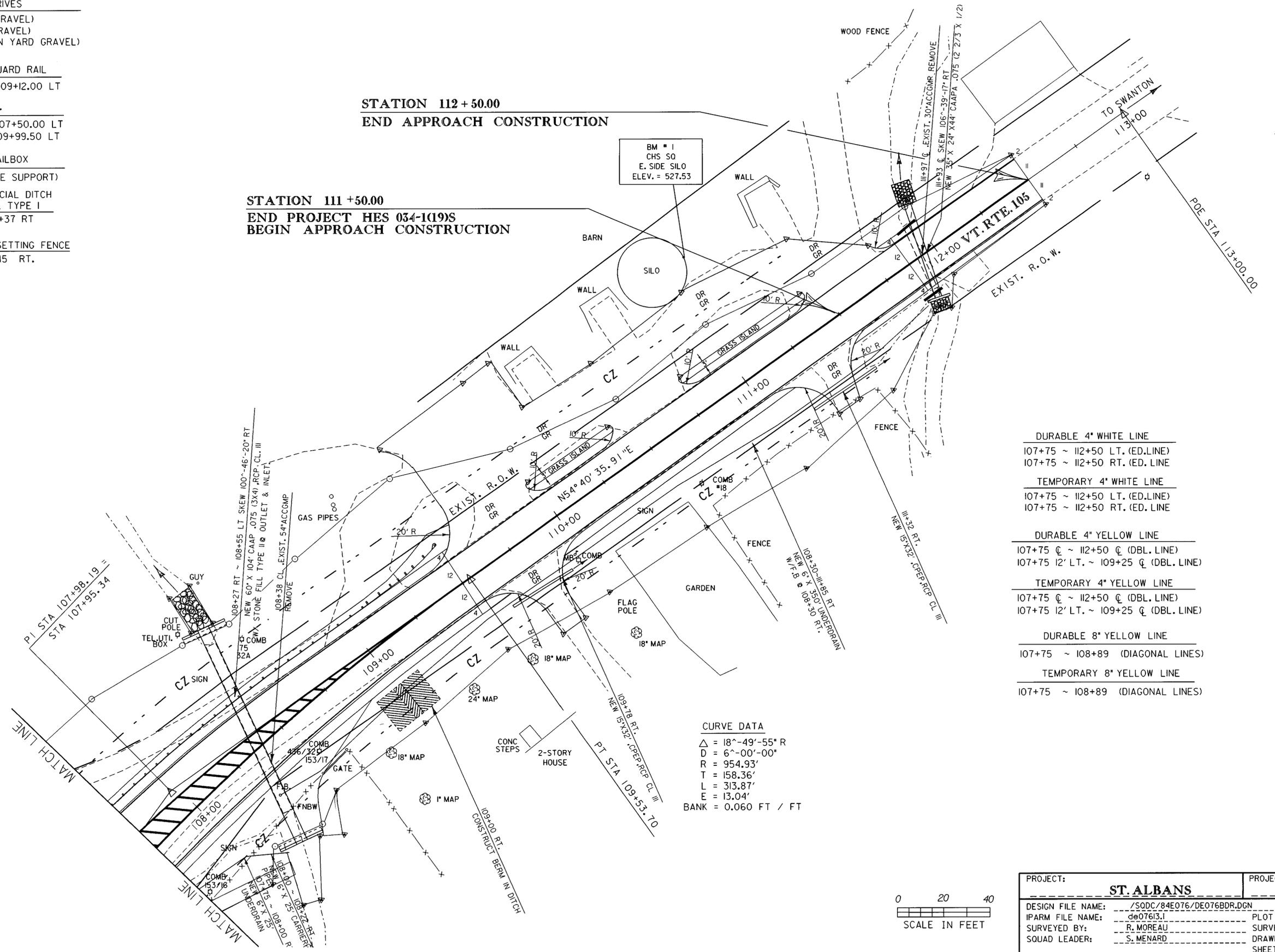
RELOCATE MAILBOX
 109+97 RT. (SINGLE SUPPORT)

CONSTRUCT SPECIAL DITCH
 W/STONE FILL TYPE I
 107+75 ~ 108+37 RT.

REMOVING AND RESETTING FENCE
 110+57 ~ 111+45 RT.

STATION 112+50.00
END APPROACH CONSTRUCTION

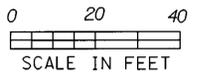
STATION 111+50.00
END PROJECT HES 034-1(19)S
BEGIN APPROACH CONSTRUCTION



- DURABLE 4" WHITE LINE**
 107+75 ~ 112+50 LT. (ED.LINE)
 107+75 ~ 112+50 RT. (ED.LINE)
- TEMPORARY 4" WHITE LINE**
 107+75 ~ 112+50 LT. (ED.LINE)
 107+75 ~ 112+50 RT. (ED.LINE)
- DURABLE 4" YELLOW LINE**
 107+75 CL ~ 112+50 CL (DBL. LINE)
 107+75 12' LT. ~ 109+25 CL (DBL. LINE)
- TEMPORARY 4" YELLOW LINE**
 107+75 CL ~ 112+50 CL (DBL. LINE)
 107+75 12' LT. ~ 109+25 CL (DBL. LINE)
- DURABLE 8" YELLOW LINE**
 107+75 ~ 108+89 (DIAGONAL LINES)
- TEMPORARY 8" YELLOW LINE**
 107+75 ~ 108+89 (DIAGONAL LINES)

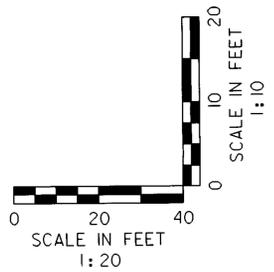
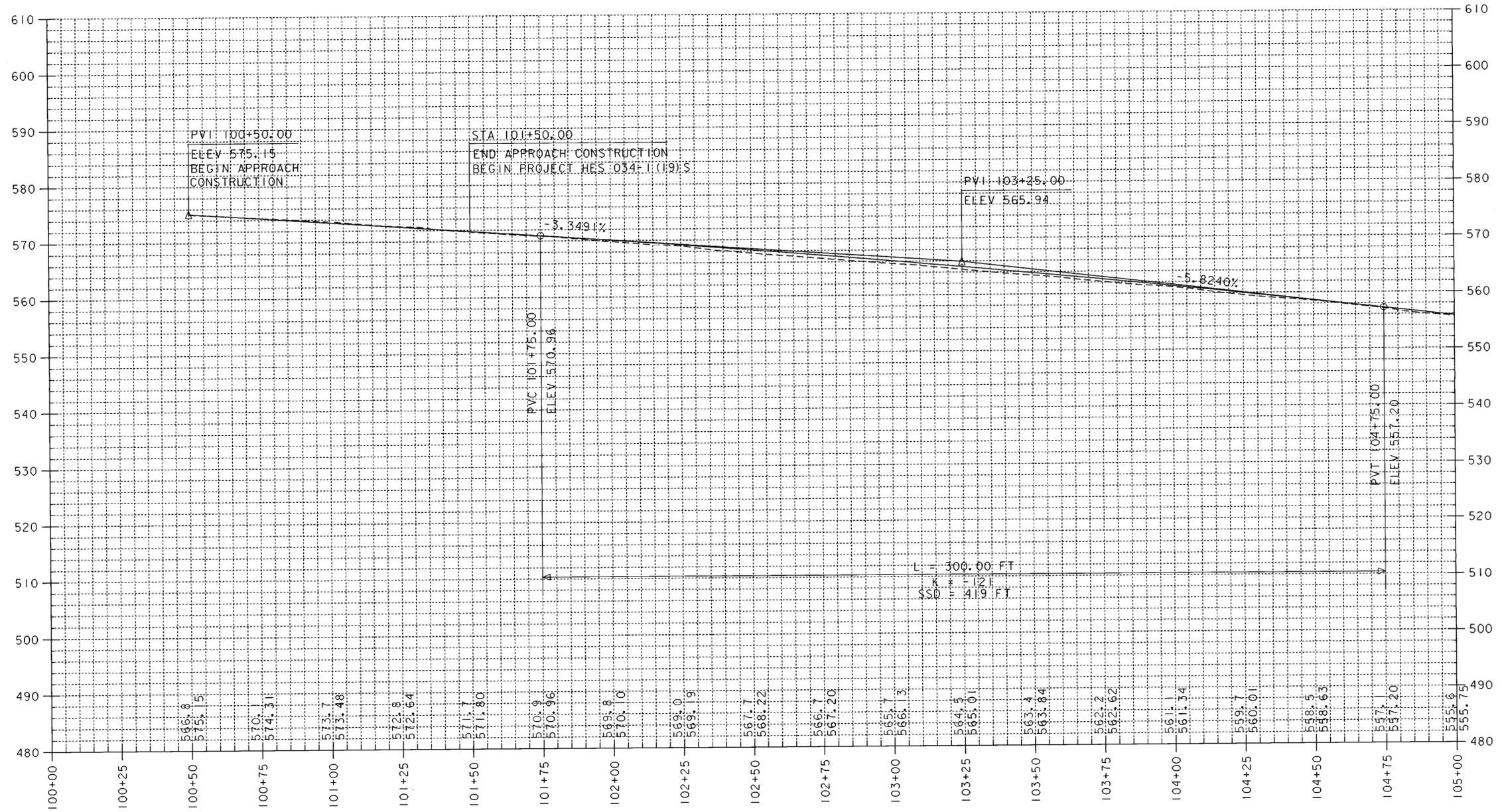
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 $D = 6^{\circ}-00'-00''$
 $R = 954.93'$
 $T = 158.36'$
 $L = 313.87'$
 $E = 13.04'$
 BANK = 0.060 FT / FT

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A



PROJECT:	ST. ALBANS	PROJECT NO.:	HES 034-1(19)S
DESIGN FILE NAME:	/SODC/84E076/DE076BDR.DGN	PLOT DATE:	7-JAN-1999
IPARM FILE NAME:	de076i3.i	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	G. MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF

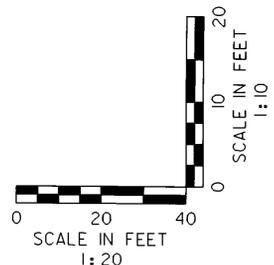
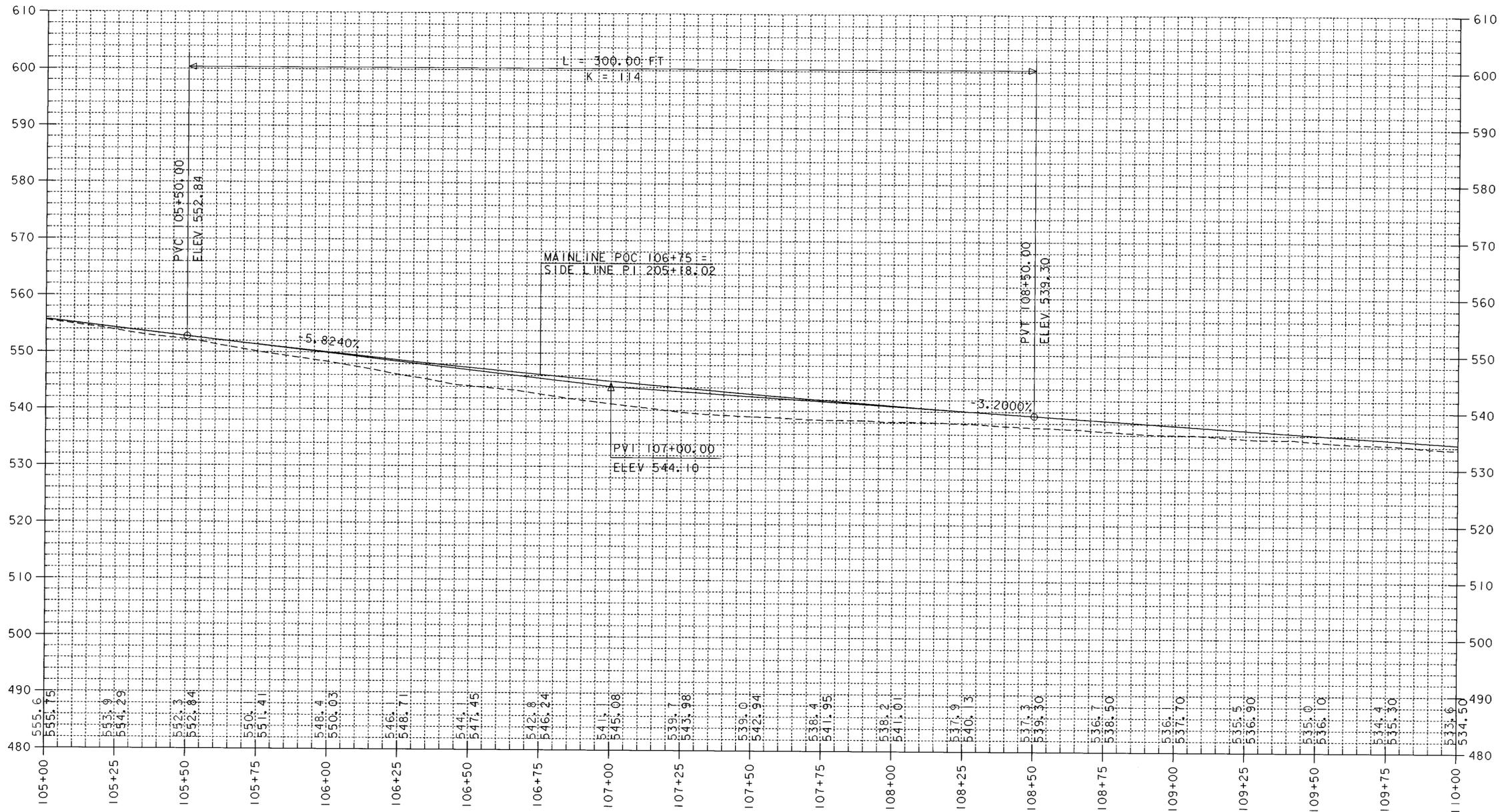
VT RT 104



DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A

PROJECT: ST. ALBANS	PROJECT NO.: HES 034-1(19)S
DESIGN FILE NAME: <u>sqdc/84e016/de076xs.dgn</u>	PLOT DATE: <u>12-JAN-1999</u>
IPARM FILE NAME: <u>de076pl1</u>	SURVEY DATE: <u>9/90</u>
SURVEYED BY: <u>R. MEAREAU</u>	DRAWN BY: <u>G. MEUNIER</u>
SQUAD LEADER: <u>S. MENARD</u>	SHEET: <u> </u> OF <u> </u>

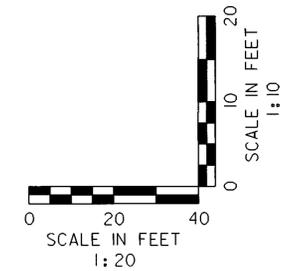
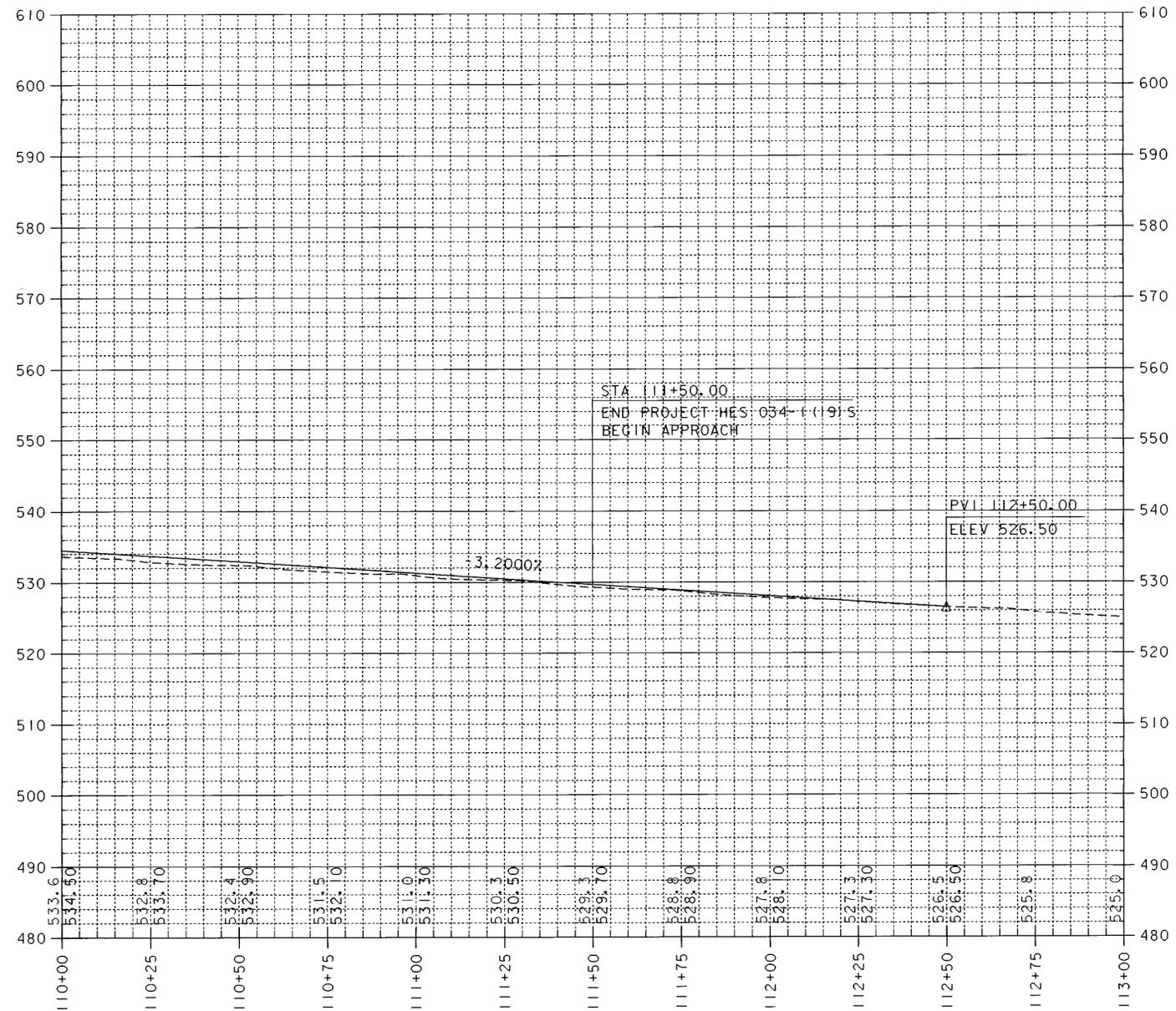
VT RT 104 TO VT RT 105 EAST



DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A

PROJECT: ST. ALBANS	PROJECT NO. : HES_034-1(19)S
DESIGN FILE NAME: sgdc/84e076/de076xs.dgn	PLOT DATE: 12-JAN-1999
IPARM FILE NAME: de076p2.1	SURVEY DATE: 9/90
SURVEYED BY: R. MEAREAU	DRAWN BY: G. MEUNIER
SQUAD LEADER: S. MENARD	SHEET: OF

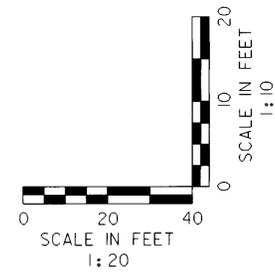
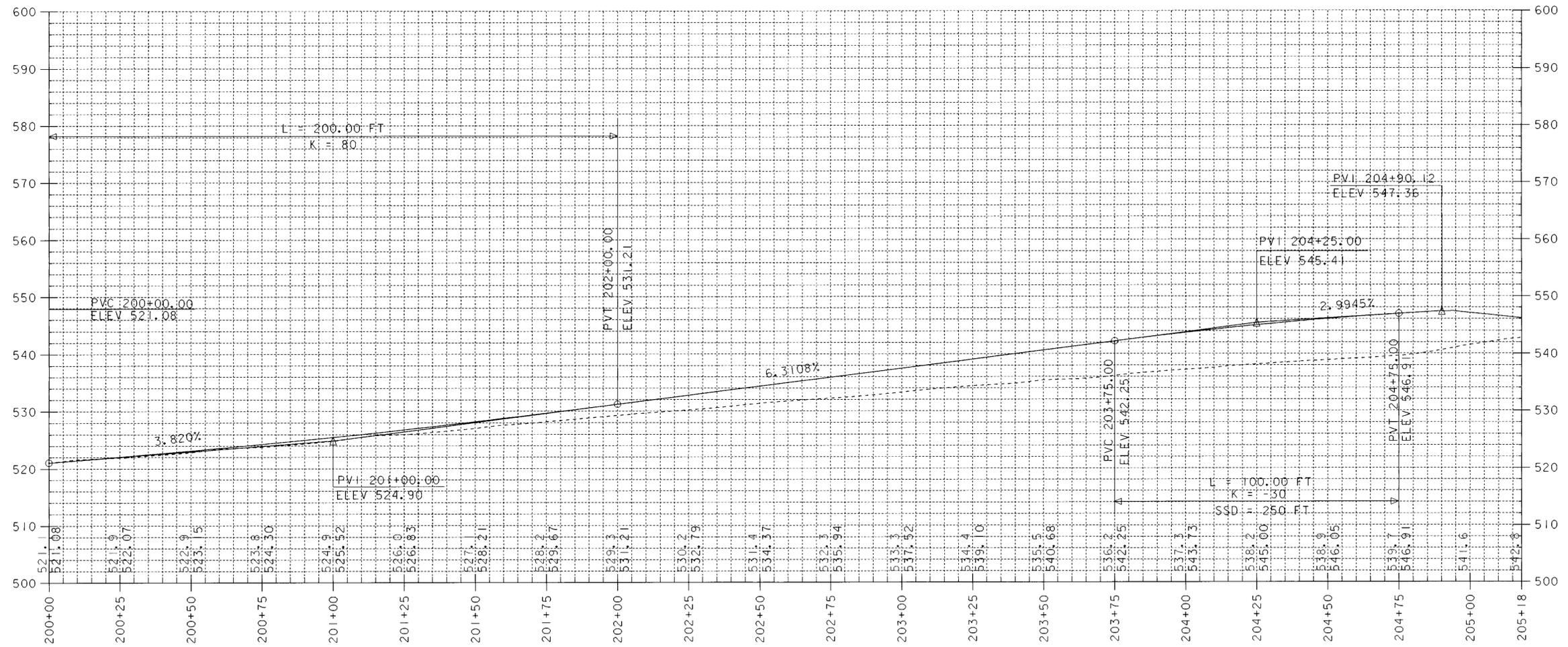
VT RT 105 EAST



DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A

PROJECT: ST. ALBANS	PROJECT NO.: HES 034-1(19)S
DESIGN FILE NAME: <u>sqdc/84e076/de076xs.dgn</u>	PLOT DATE: <u>12-JAN-1999</u>
IPARM FILE NAME: <u>de076p3.l</u>	SURVEY DATE: <u>9/90</u>
SURVEYED BY: <u>R. MEAREAU</u>	DRAWN BY: <u>G. MEUNIER</u>
SQUAD LEADER: <u>S. MENARD</u>	SHEET: <u> </u> OF <u> </u>

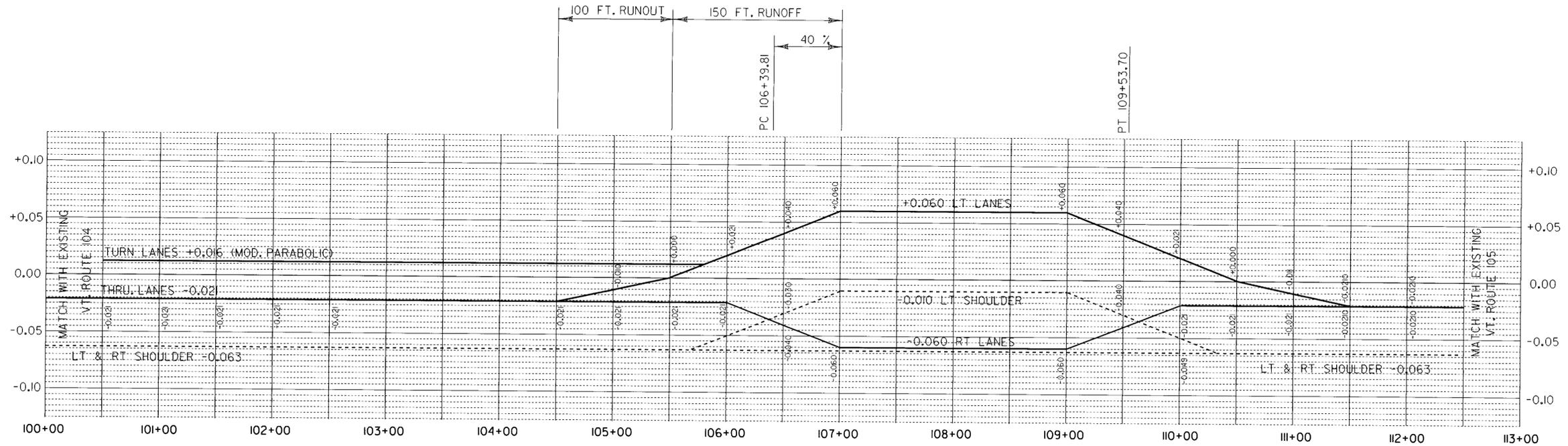
VT RT 105 WEST



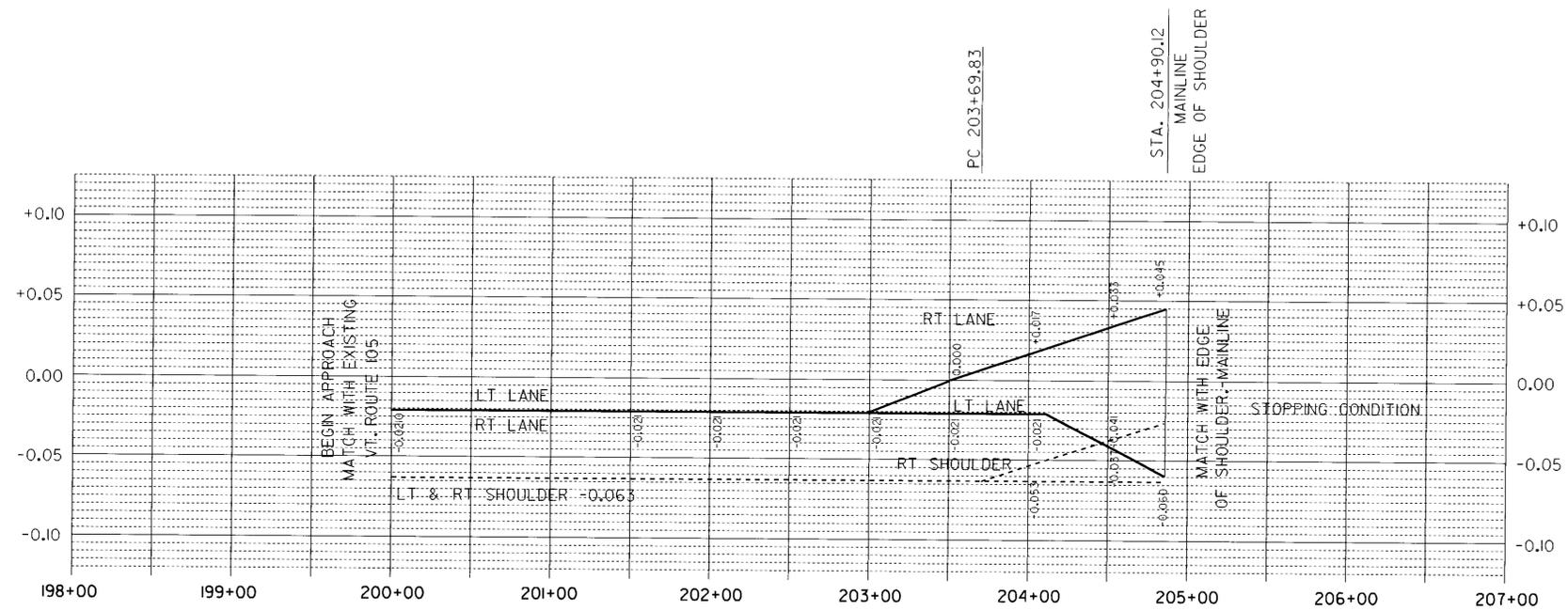
DATUM
 VERTICAL _____
 HORIZONTAL _____

PROJECT: ST. ALBANS	PROJECT NO.: HES 034.1(19)S
DESIGN FILE NAME: sqdc/84e076/de076xs.dgn	PLOT DATE: 12-JAN-1999
IPARM FILE NAME: de076p4.i	SURVEY DATE: 9/90
SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: MENARD	SHEET: _____ OF _____

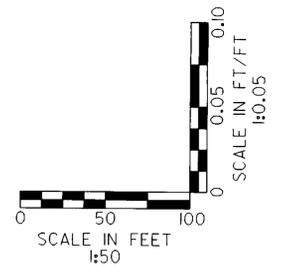
BANKING DIAGRAMS



MAINLINE - VT. RTE. 104 ONTO VT. RTE. 105

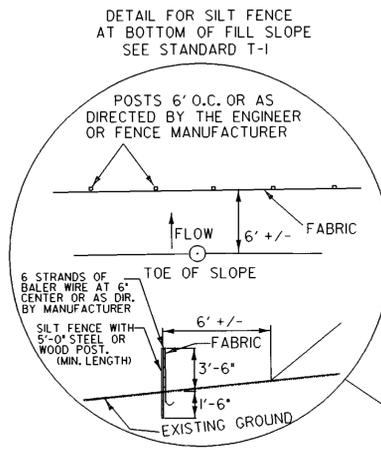


SIDELINE - VT. RTE. 105 WEST APPROACH



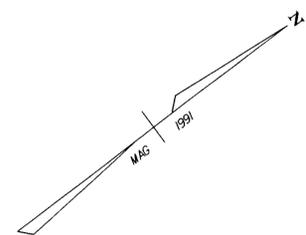
DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A

PROJECT:	BRATTLEBORO	PROJECT NO.:	HES 034-1(19)S
DESIGN FILE NAME:	S0DC/84E076/DE076XS.DGN	PLOT DATE:	12-JAN-1999
IPARM FILE NAME:	de076sup.1	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	G. MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF



TOE OF SLOPE
6' +/-
FABRIC
3'-6"
1'-6"
EXISTING GROUND

FILTER TO BE BURIED APPROXIMATELY 6 INCHES INTO THE GROUND.
FABRIC TO BE ATTACHED TO WIRE ON SLOPE SIDE.
CONTRACTOR WILL FURNISH COMMERCIALY ASVIABLE SILT FENCE THAT MEETS VAOT SPECIFICATIONS.



POB STA 100+00.00

TO
NORTH FAIRFAX

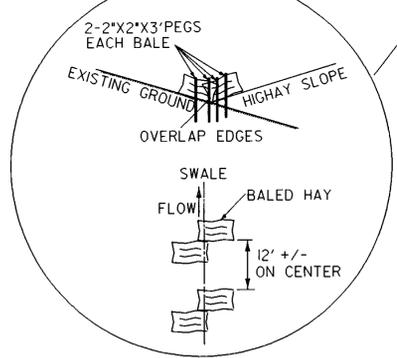
100+00 101+00 102+00 103+00 104+00 105

N35°50'34.95"E

MATCH LINE

MATCH LINE

TO BE USED IN LOCATION WHERE THE EXISTING GROUND SLOPES IN TOWARD THE EMBANKMENT
BALES WILL BE ALLOWED TO ROT IN PLACE
SEE STANDARD T-1&T-2

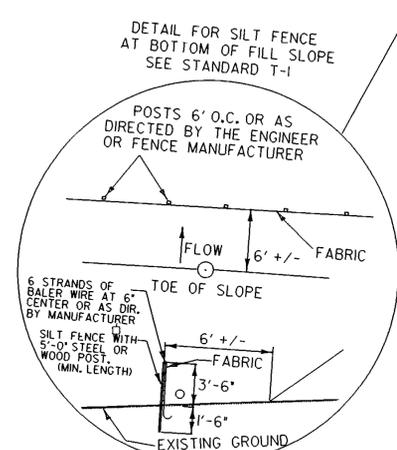
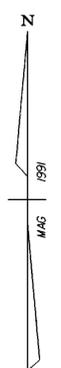
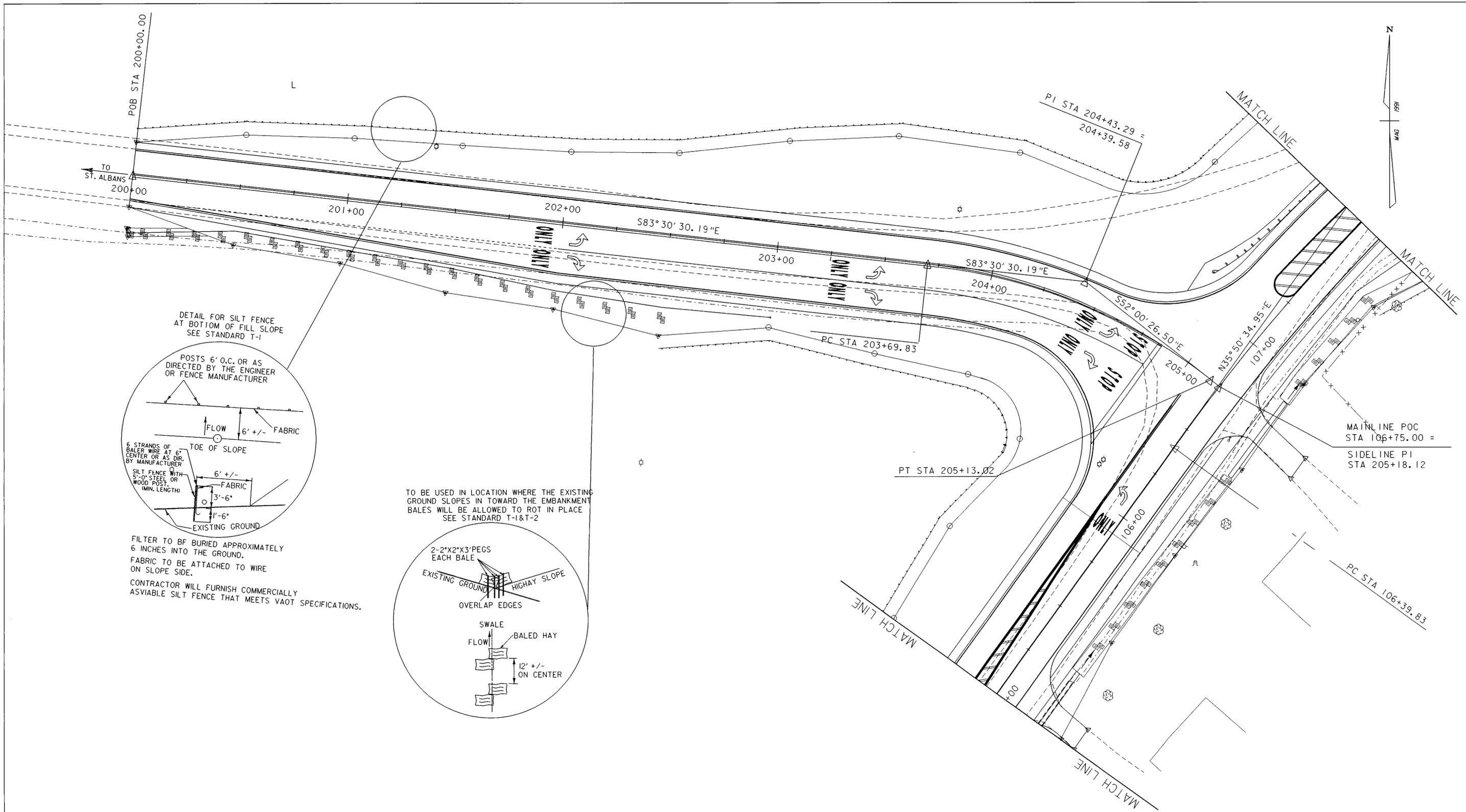


DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A

THIS SHEET FOR TEMPORARY EROSION CONTROL ONLY.

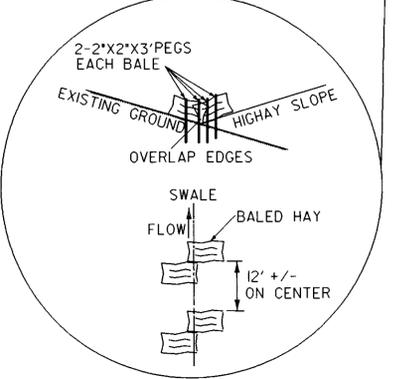


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DESIGN FILE NAME:	/sgdc/84e076/de076bec.dgn	PLOT DATE:	12-JAN-1999
IPARM FILE NAME:	de076ec1	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	G. MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF



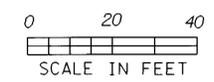
FILTER TO BE BURIED APPROXIMATELY 6 INCHES INTO THE GROUND. FABRIC TO BE ATTACHED TO WIRE ON SLOPE SIDE. CONTRACTOR WILL FURNISH COMMERCIALY ASVIABLE SILT FENCE THAT MEETS VAOT SPECIFICATIONS.

TO BE USED IN LOCATION WHERE THE EXISTING GROUND SLOPES IN TOWARD THE EMBANKMENT BALES WILL BE ALLOWED TO ROT IN PLACE SEE STANDARD T-1&T-2

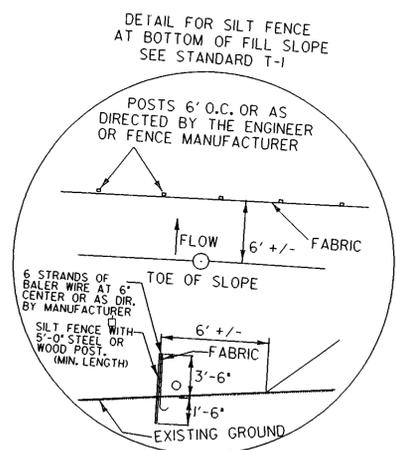


DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A

THIS SHEET FOR TEMPORARY EROSION CONTROL ONLY.

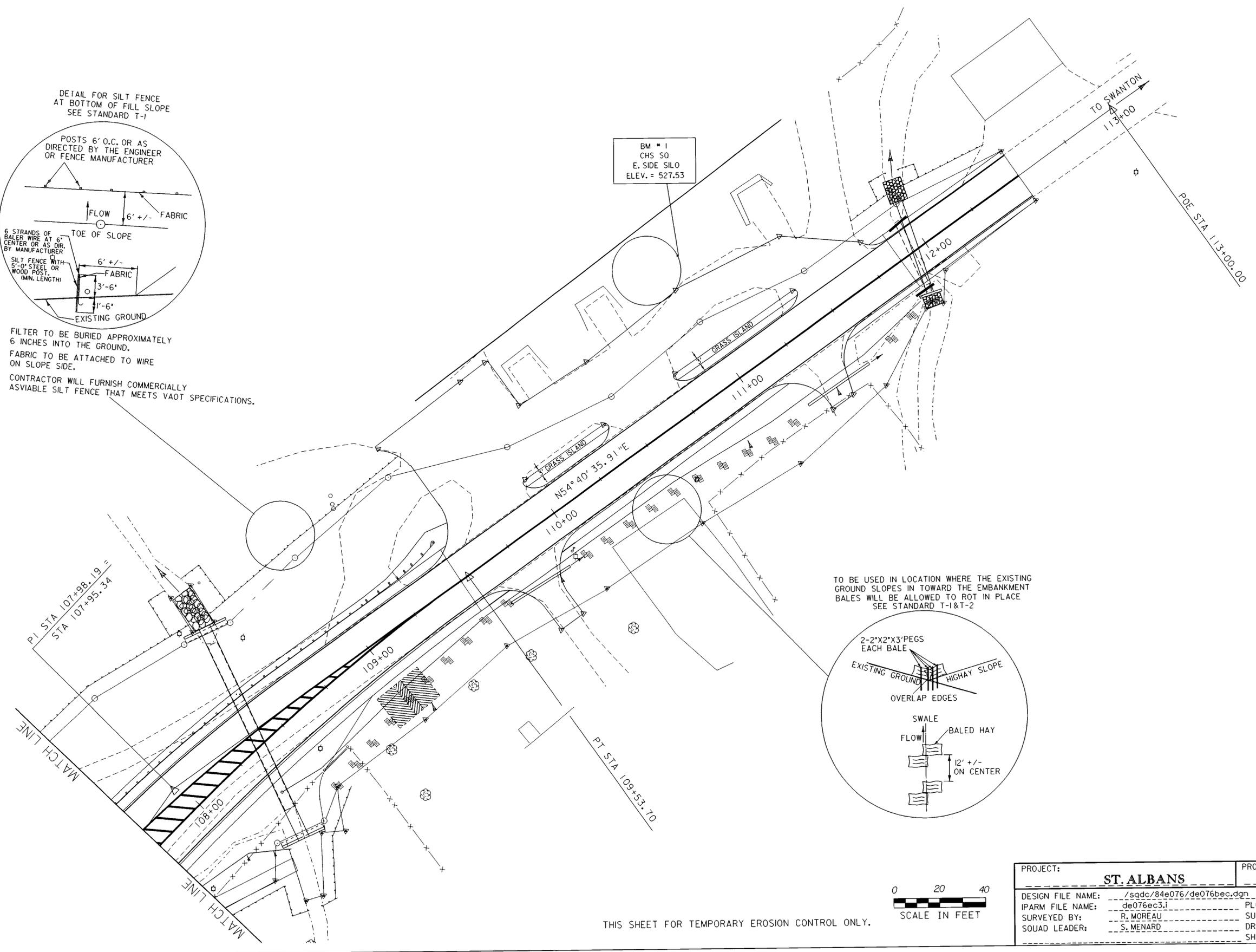
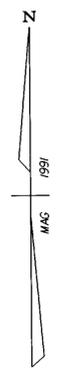


PROJECT:	ST. ALBANS	PROJECT NO.:	HES 054-109S
DESIGN FILE NAME:	/sqdc/84e076/de076bec.dgn	PLOT DATE:	12-JAN-1999
IPARM FILE NAME:	de076ec2.i	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	G. MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF

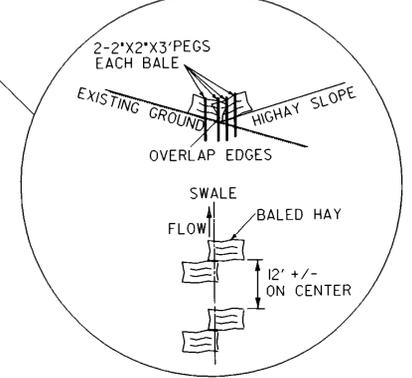


FILTER TO BE BURIED APPROXIMATELY
6 INCHES INTO THE GROUND.
FABRIC TO BE ATTACHED TO WIRE
ON SLOPE SIDE.
CONTRACTOR WILL FURNISH COMMERCIALY
ASVIABLE SILT FENCE THAT MEETS VAOT SPECIFICATIONS.

BM # 1
CHS SO
E. SIDE SILO
ELEV. = 527.53



TO BE USED IN LOCATION WHERE THE EXISTING
GROUND SLOPES IN TOWARD THE EMBANKMENT
BALES WILL BE ALLOWED TO ROT IN PLACE
SEE STANDARD T-1&T-2

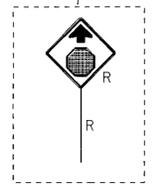
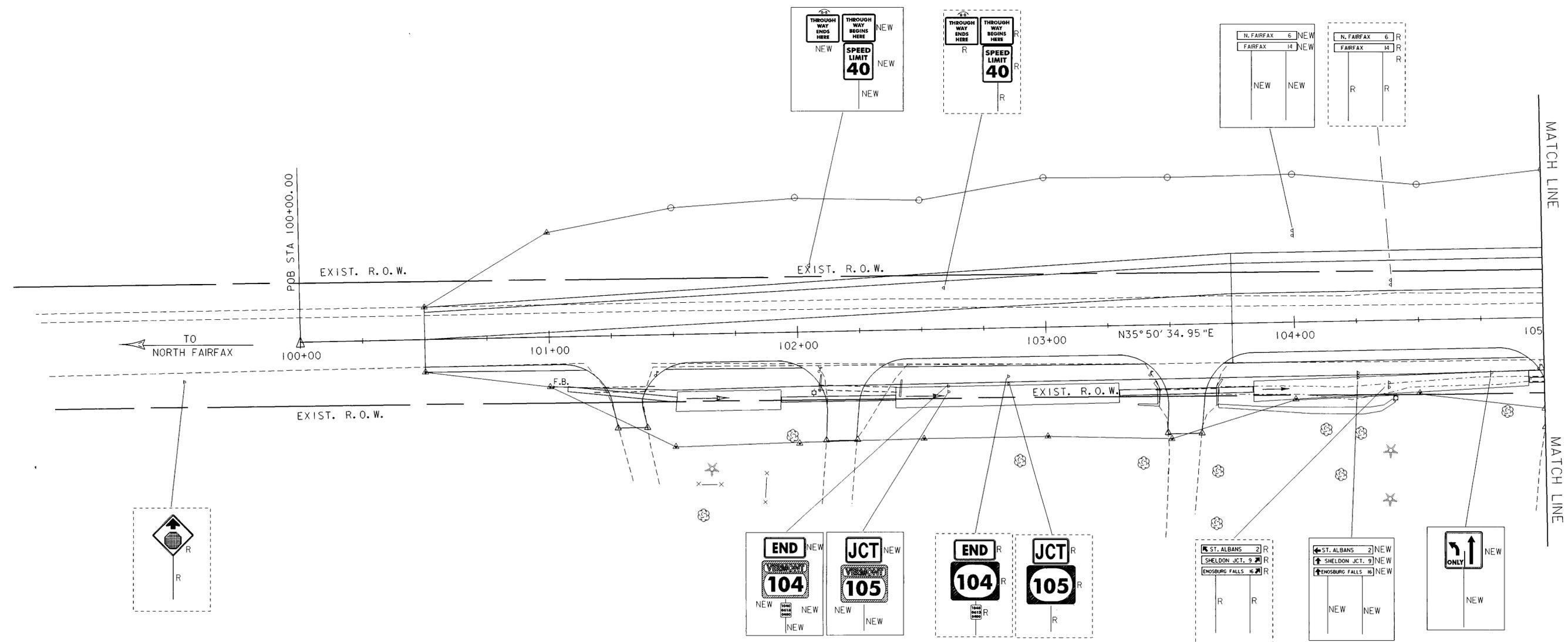
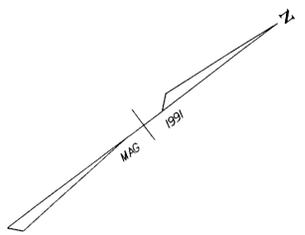


DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A

THIS SHEET FOR TEMPORARY EROSION CONTROL ONLY.

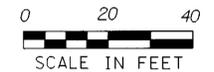


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IPARM FILE NAME:	de076ec3.1	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	G. MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF

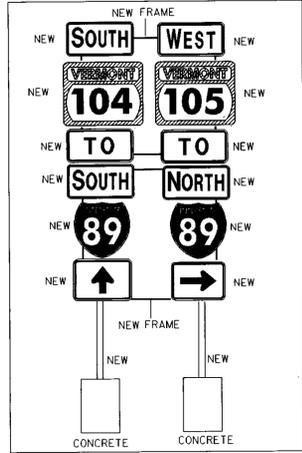
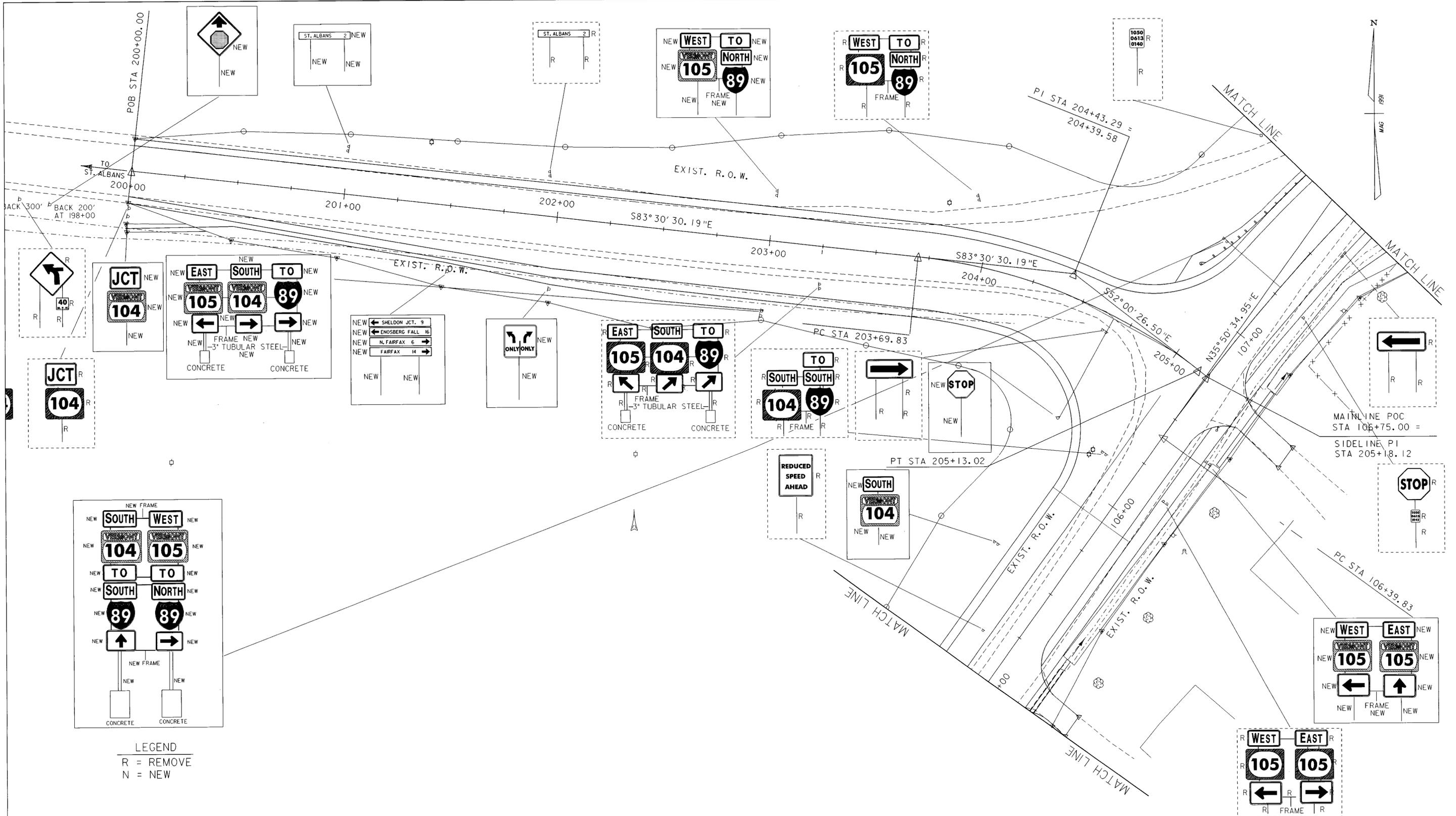


DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A

LEGEND
 R = REMOVE
 N = NEW



PROJECT:	ST. ALBANS	PROJECT NO.:	HES 034-1019S
DESIGN FILE NAME:	/SODC/84E076/DE076BDR.DGN	PLOT DATE:	11-JAN-1999
IPARM FILE NAME:	de076t1.i	SURVEYED BY:	R. MOREAU
SURVEYED BY:	R. MOREAU	SURVEY DATE:	9/90
SQUAD LEADER:	S. MENARD	DRAWN BY:	G. MEUNIER
		SHEET:	OF

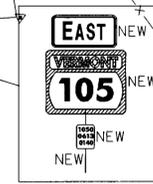
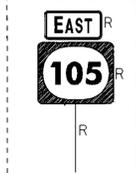
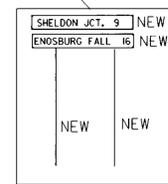
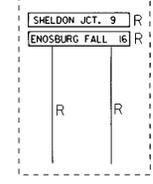
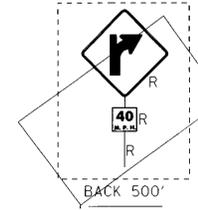
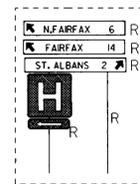
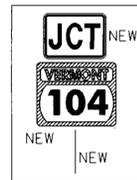
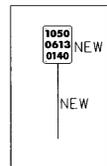
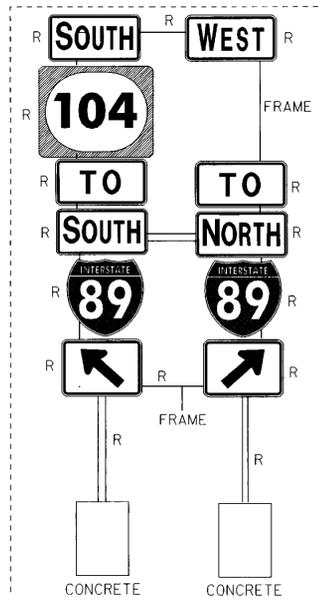


LEGEND
 R = REMOVE
 N = NEW

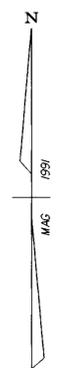
DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A



PROJECT:	ST. ALBANS	PROJECT NO.:	HES 034-1(19)S
DESIGN FILE NAME:	/SODC/84E076/DE076BDR.DGN	PLOT DATE:	11-JAN-1999
IPARM FILE NAME:	de076t2.1	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	G. MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF



BM # 1
CHS 50
E. SIDE SILO
ELEV. = 527.53



PI STA 107+98.19 =
STA 107+95.34

MATCH LINE

MATCH LINE

EXIST. R.O.W.

GRASS ISLAND

110+00

109+00

PT STA 109+53.70

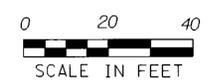
BACK 500'

TO SWANTON

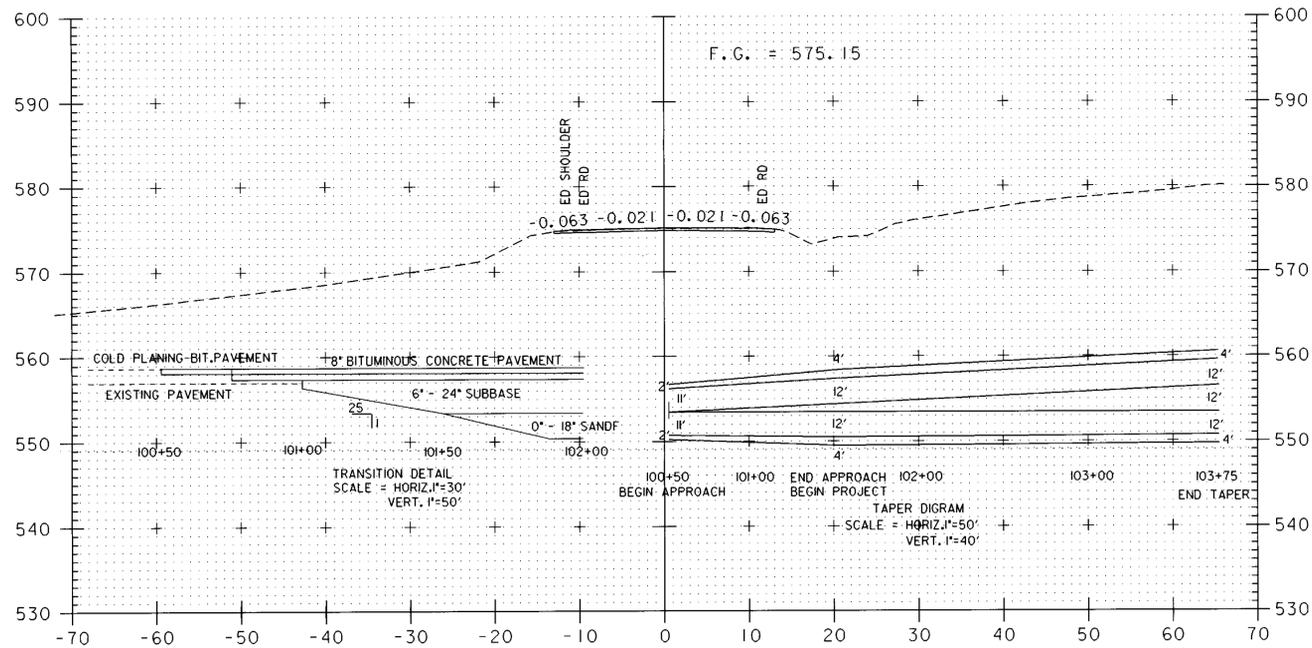
POE STA 113+00.00

DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

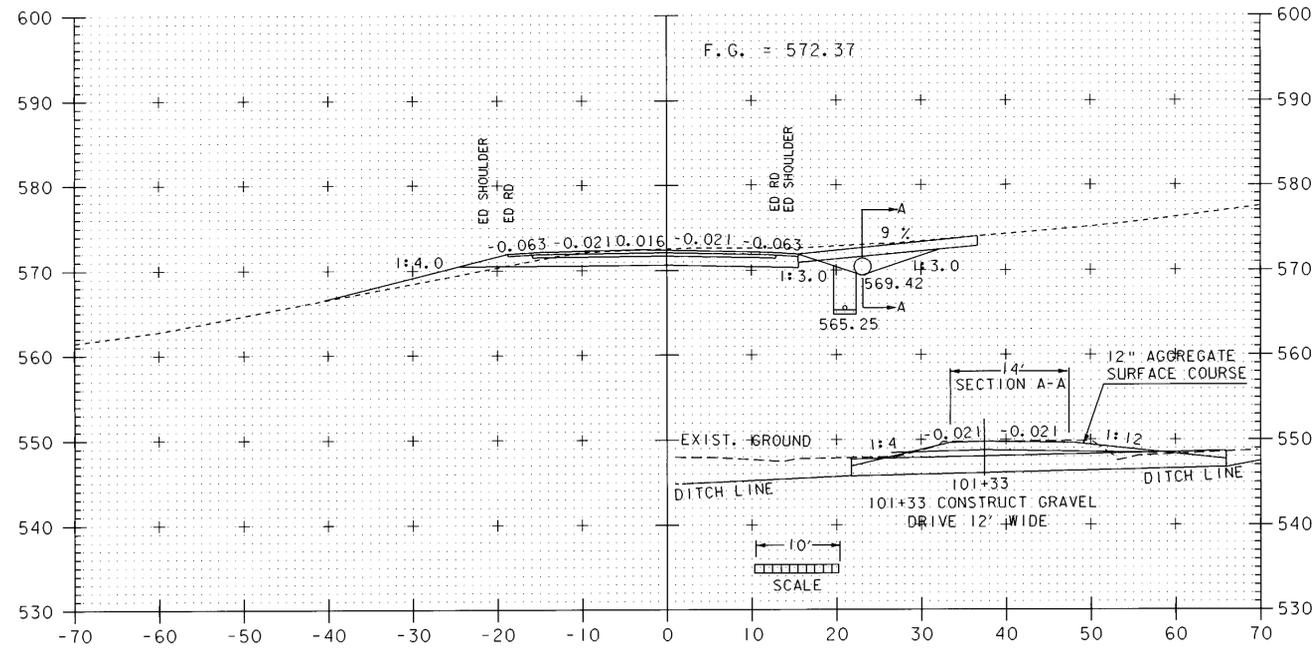
LEGEND
R = REMOVE
N = NEW



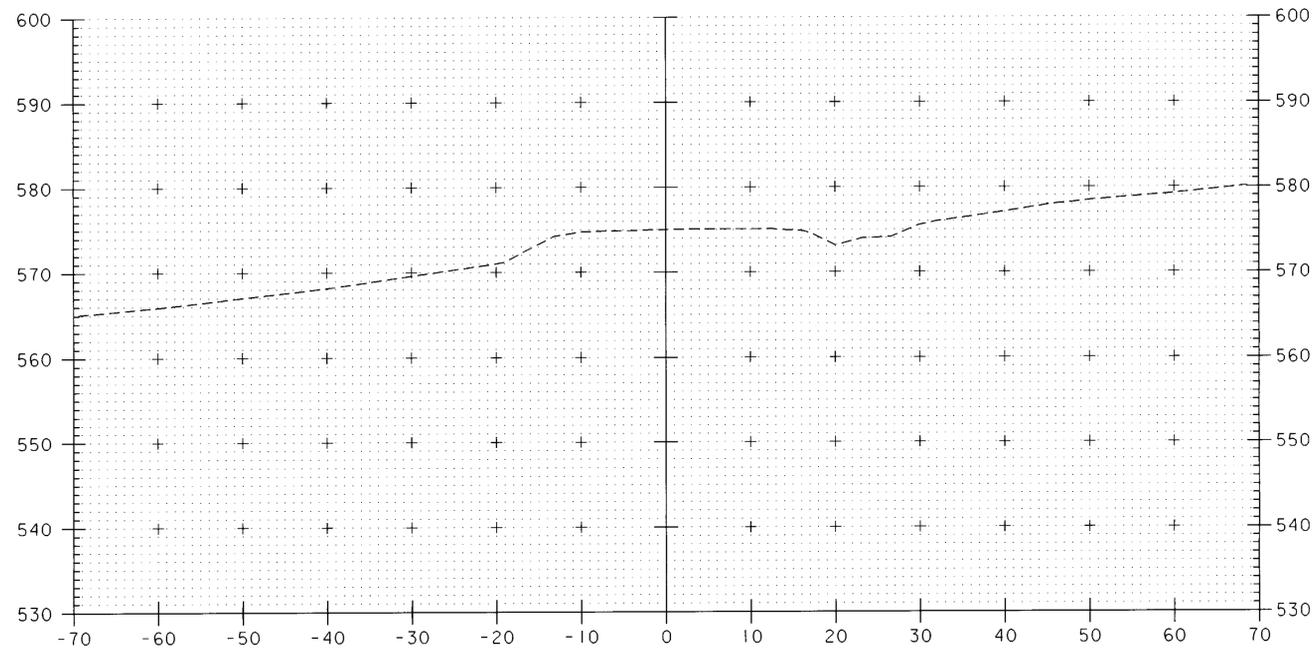
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SURVEYED BY:	R. MOREAU	DRAWN BY:	G. MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF



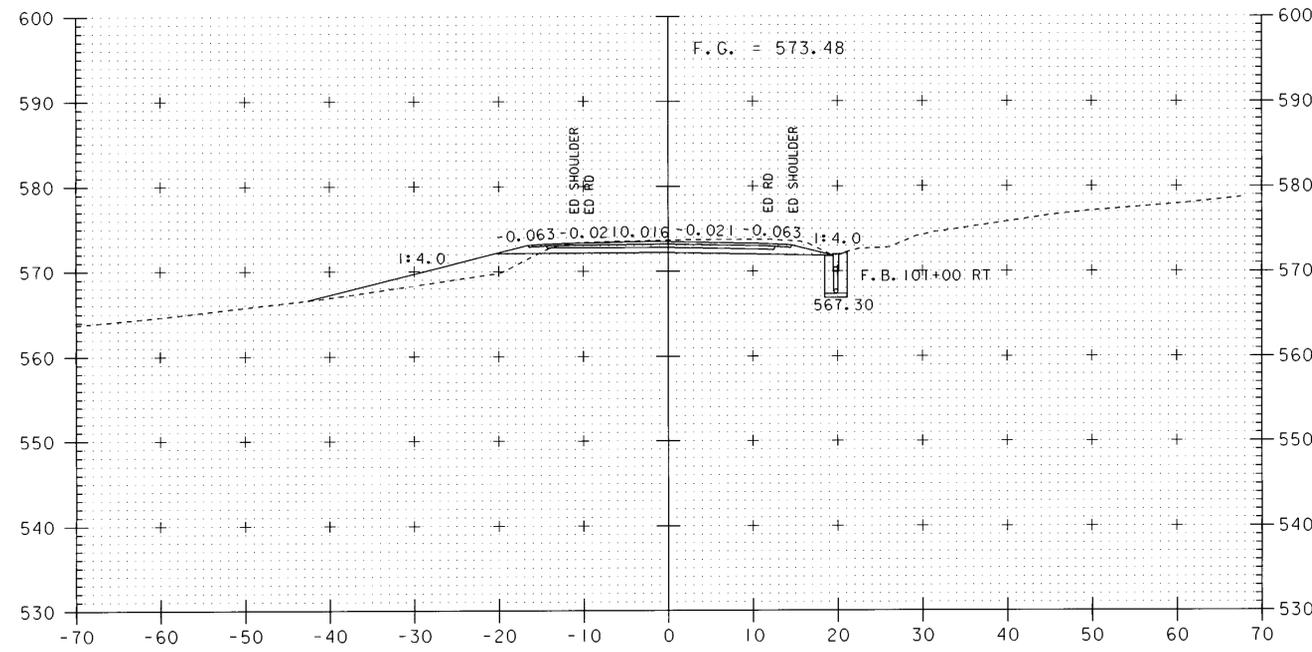
100+50
BEGIN APPROACH CONSTRUCTION
MATCH EXISTING ROADWAY



101+33
DR. RT.



100+00

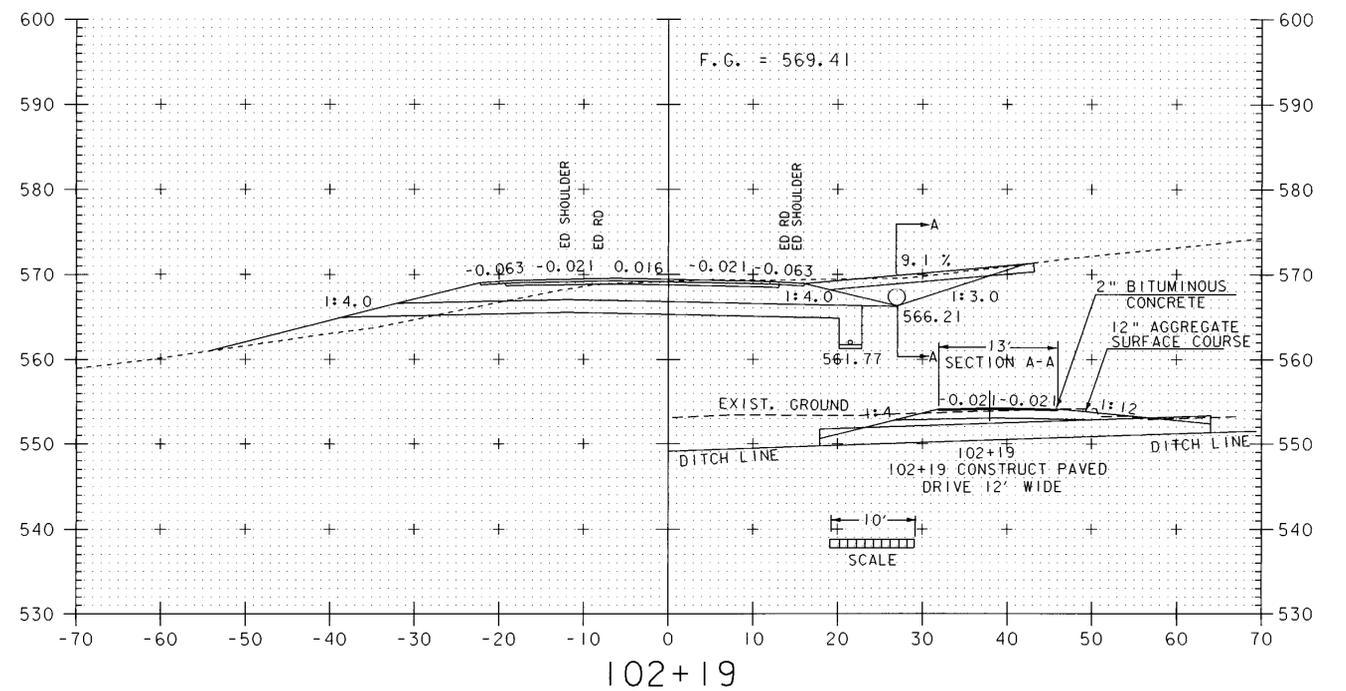
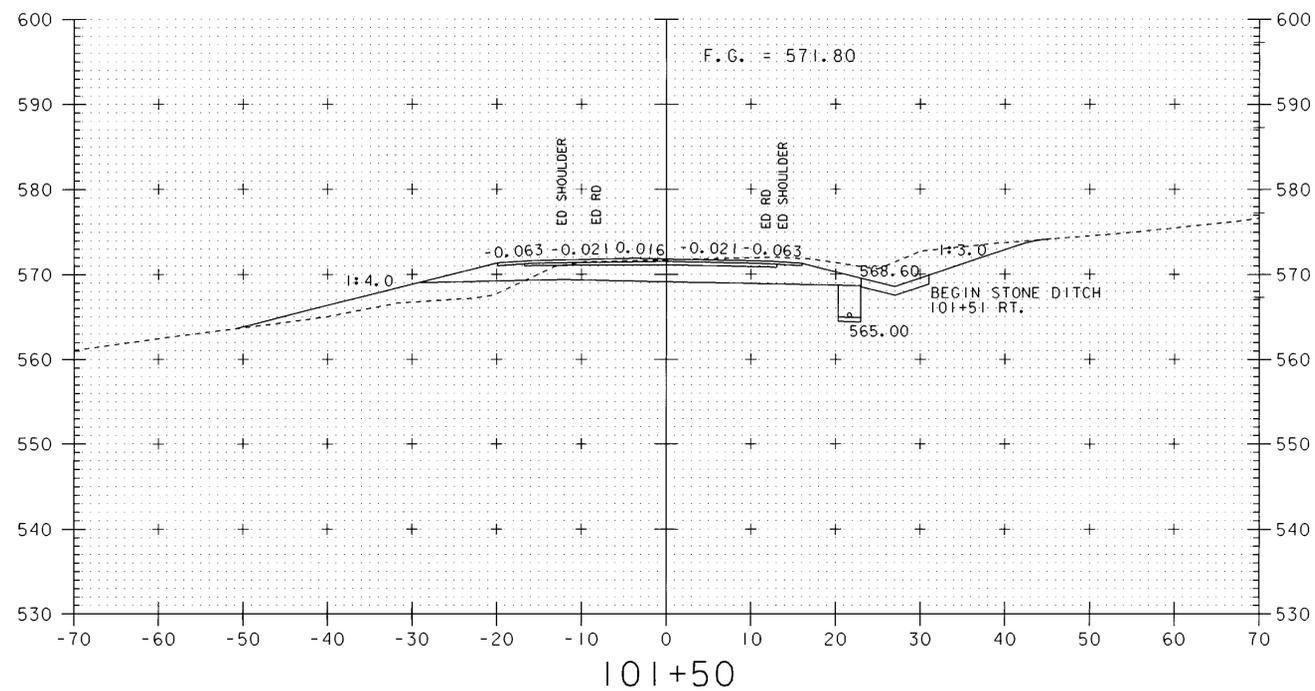
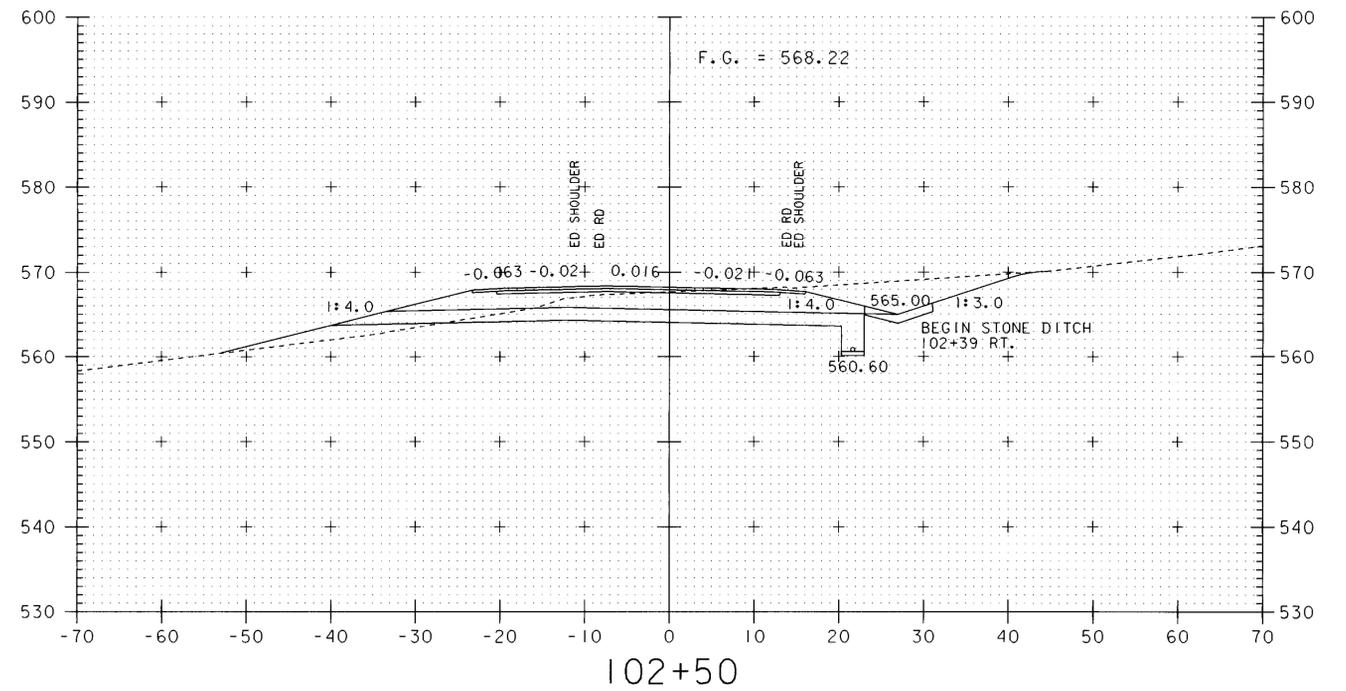
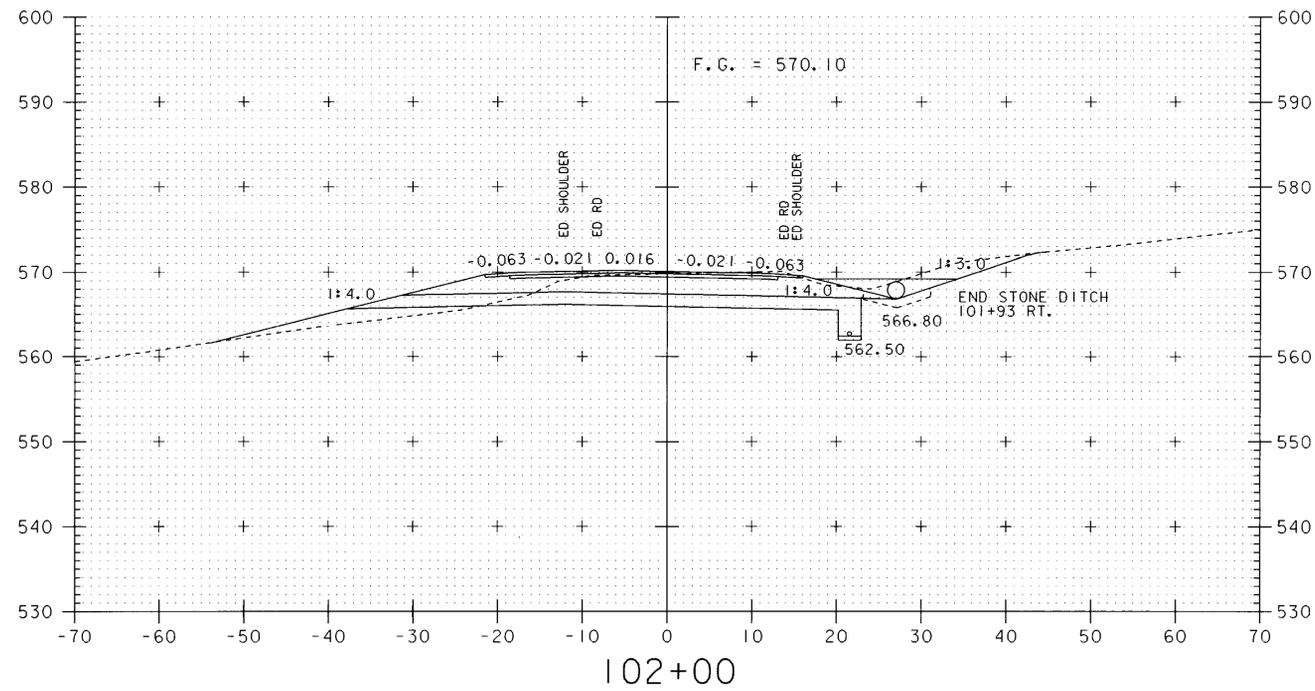


101+00

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A



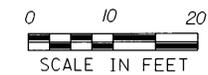
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IPARM FILE NAME: de076x011	SURVEY DATE: 9/90
SURVEYED BY: B. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: OF



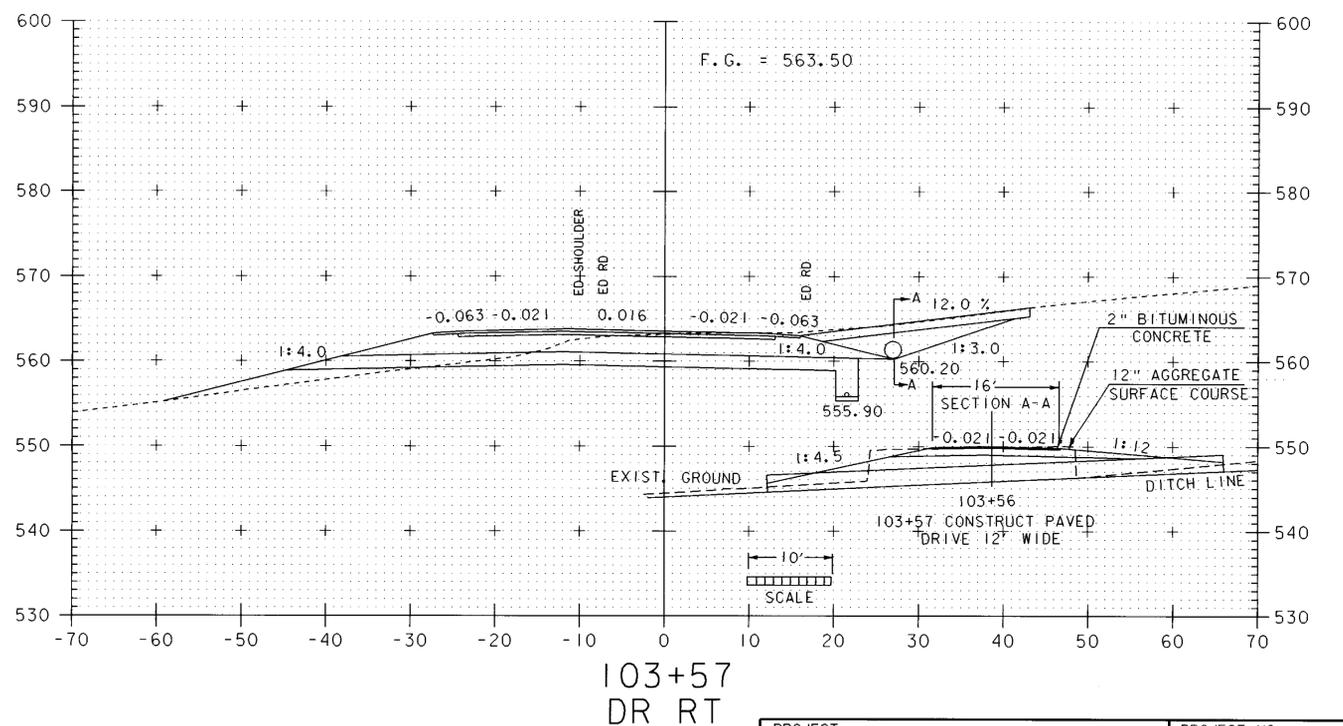
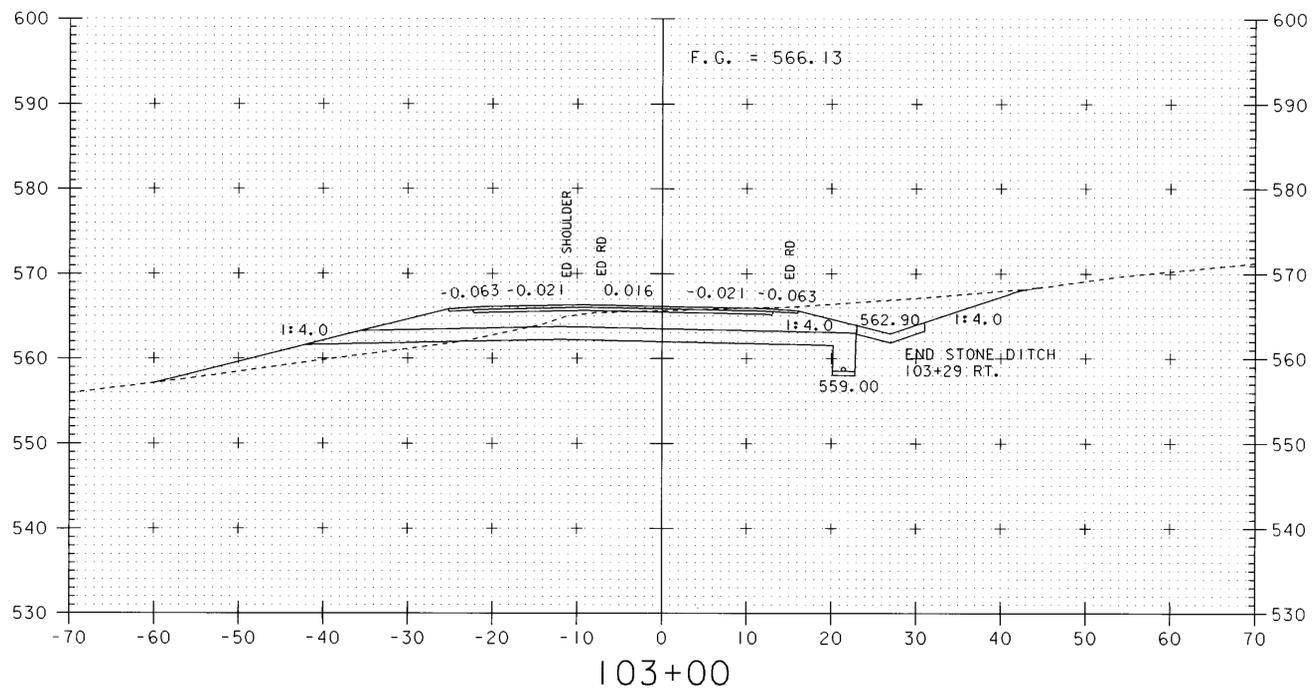
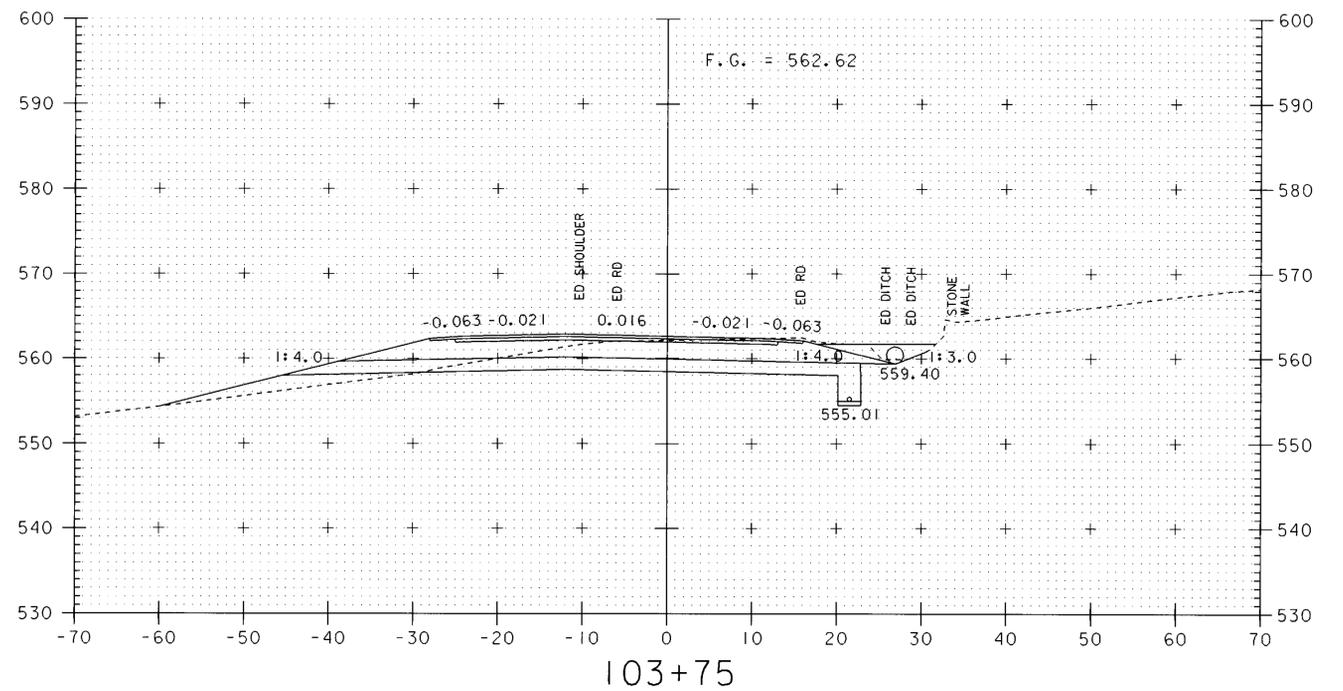
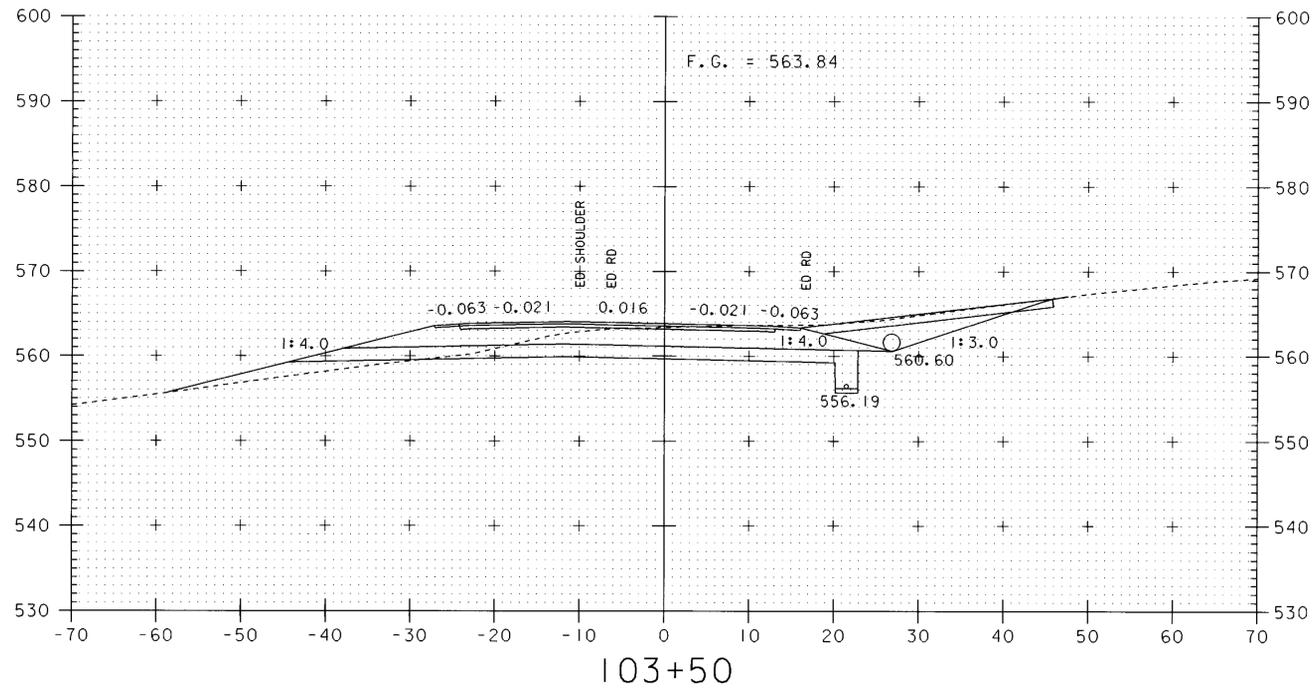
101+50
END APPROACH CONSTRUCTION
BEGIN PROJECT HES 034-1(19)S

102+19
DR RT

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A



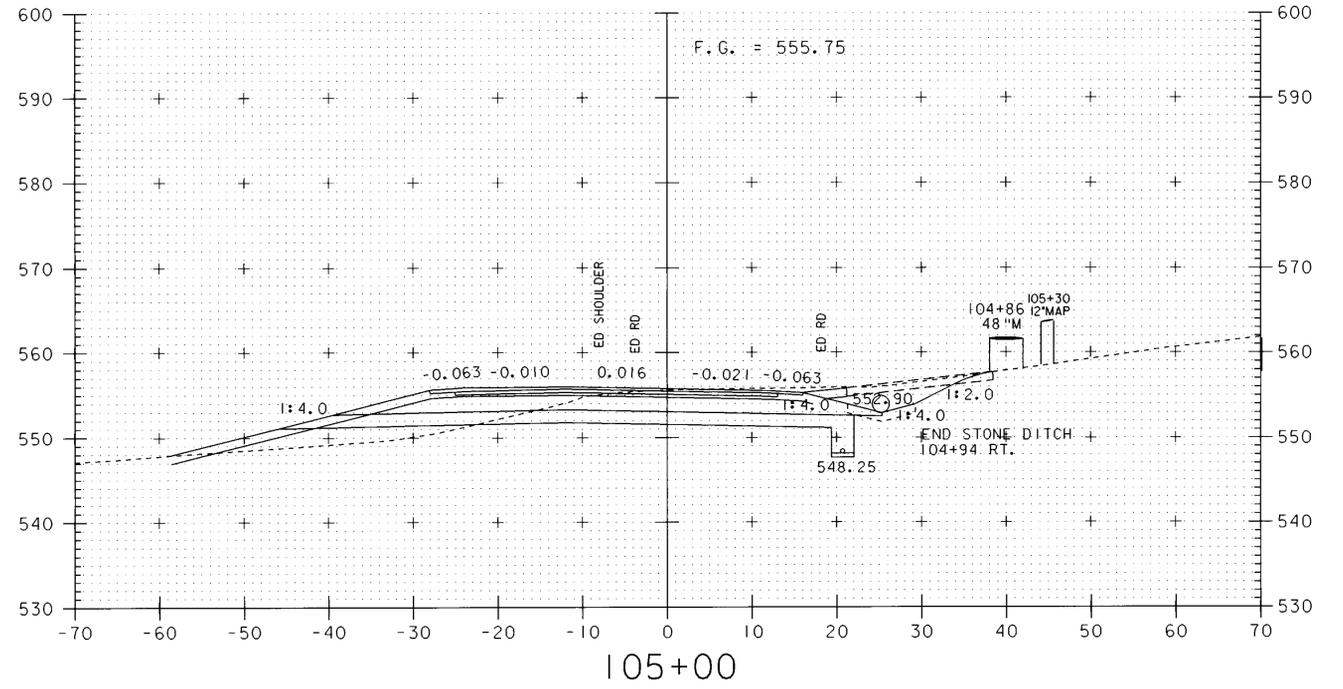
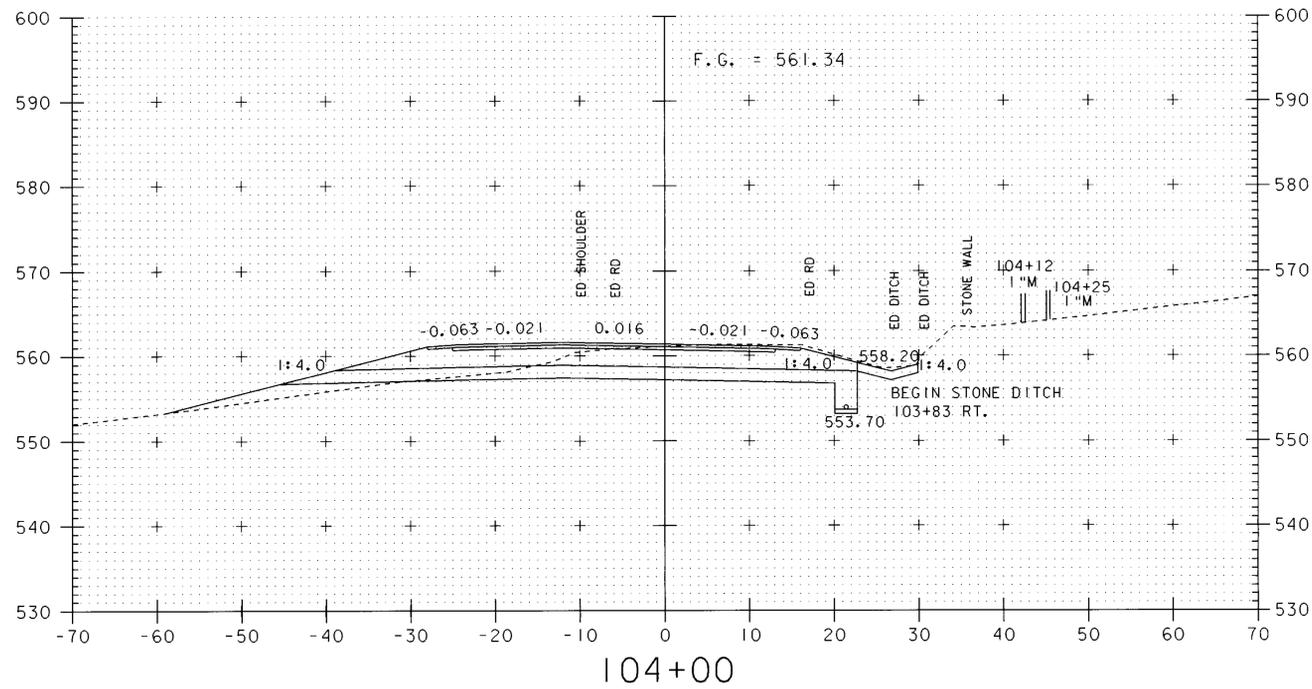
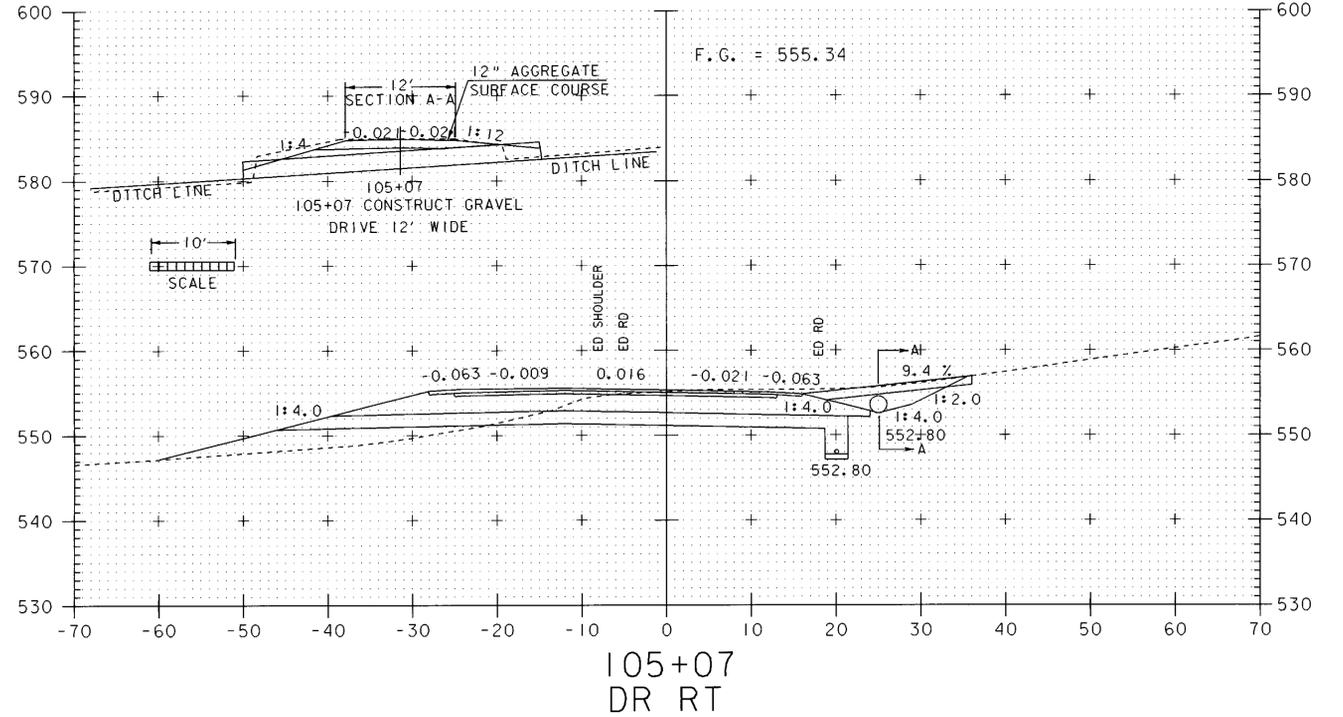
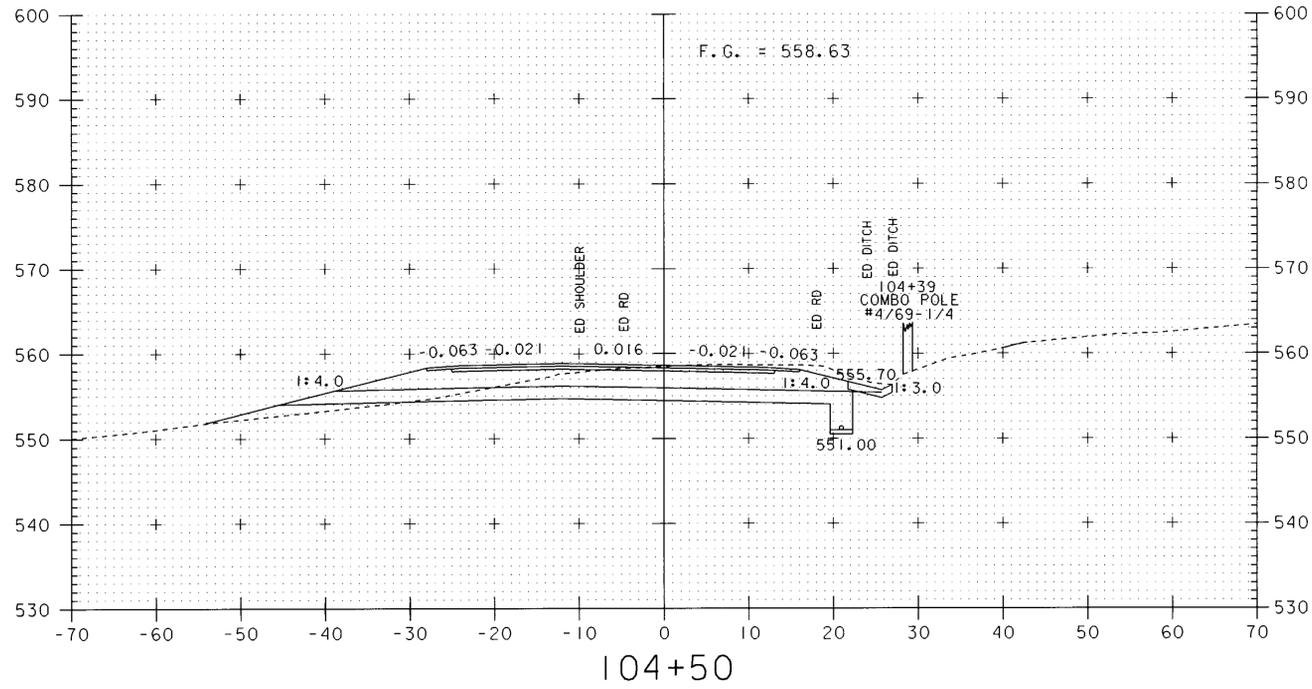
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DESIGN FILE NAME: /sgdc/84e076/de076xs.dgn	PLOT DATE: 12-JAN-1999
IPARM FILE NAME: de076x02j	SURVEY DATE: 9/90
SURVEYED BY: R. MORELL	DRAWN BY: MEDUNIER
SQUAD LEADER: S. MENARD	SHEET: _____ OF _____



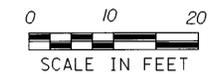
DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A



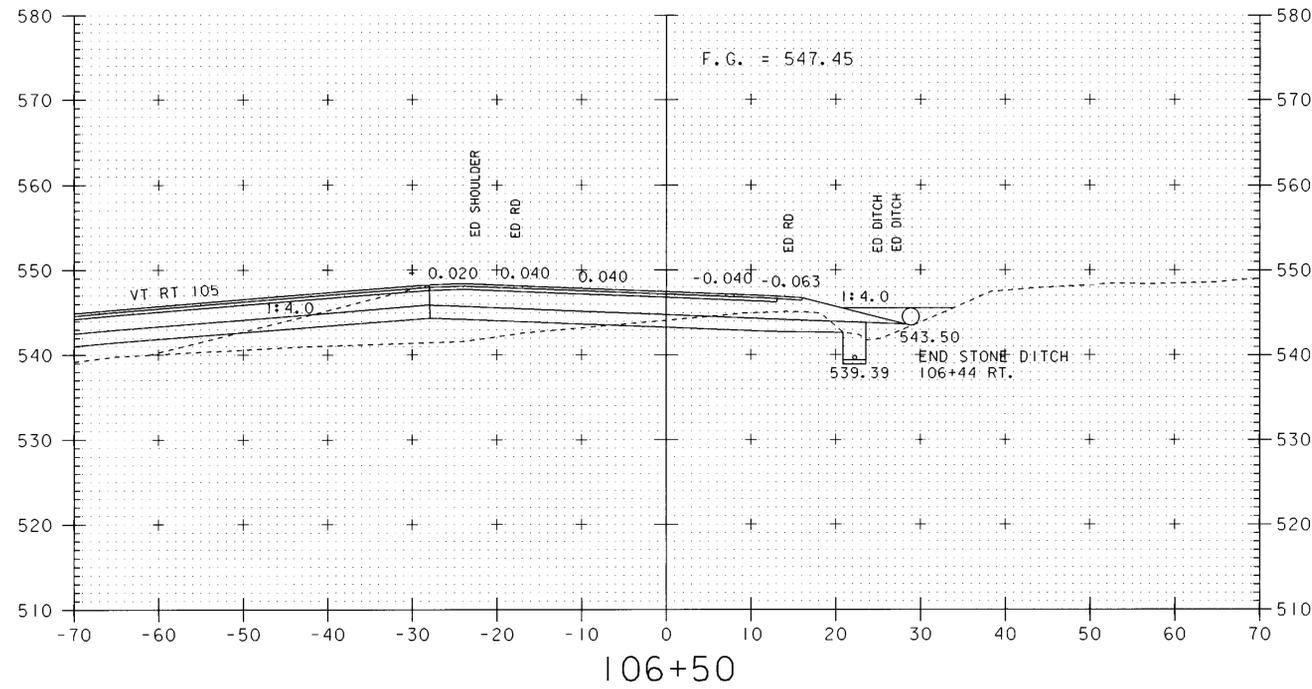
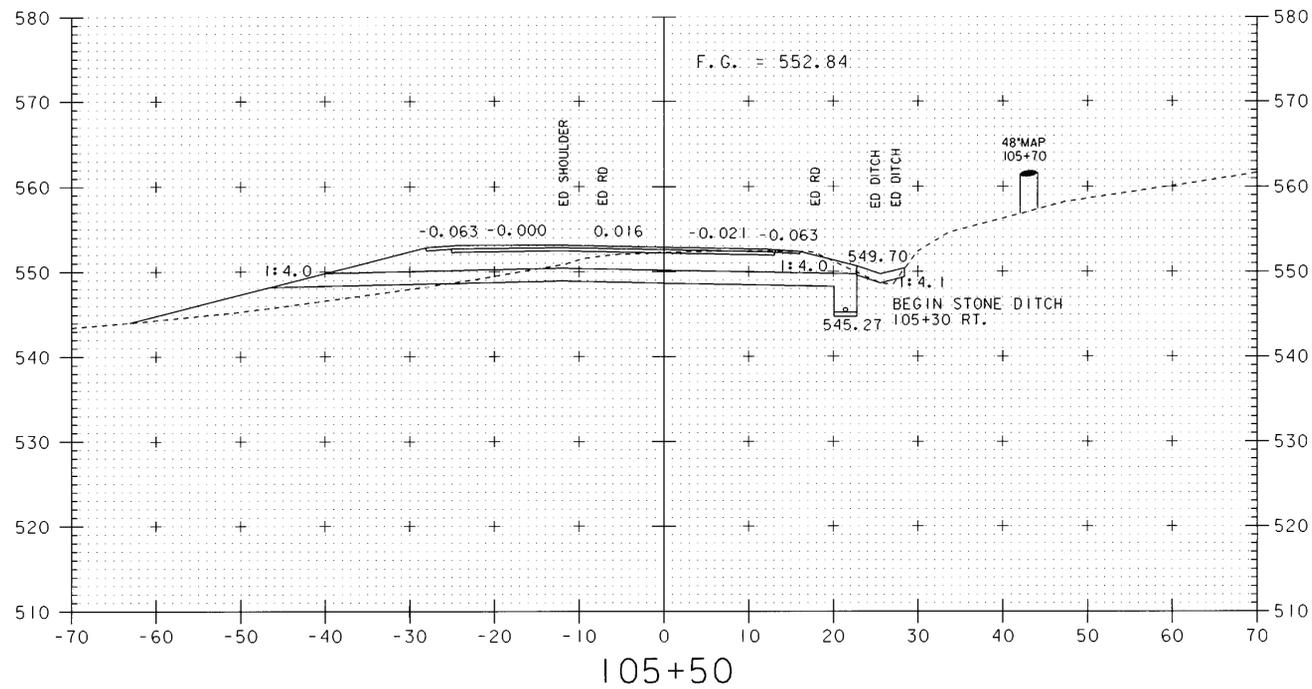
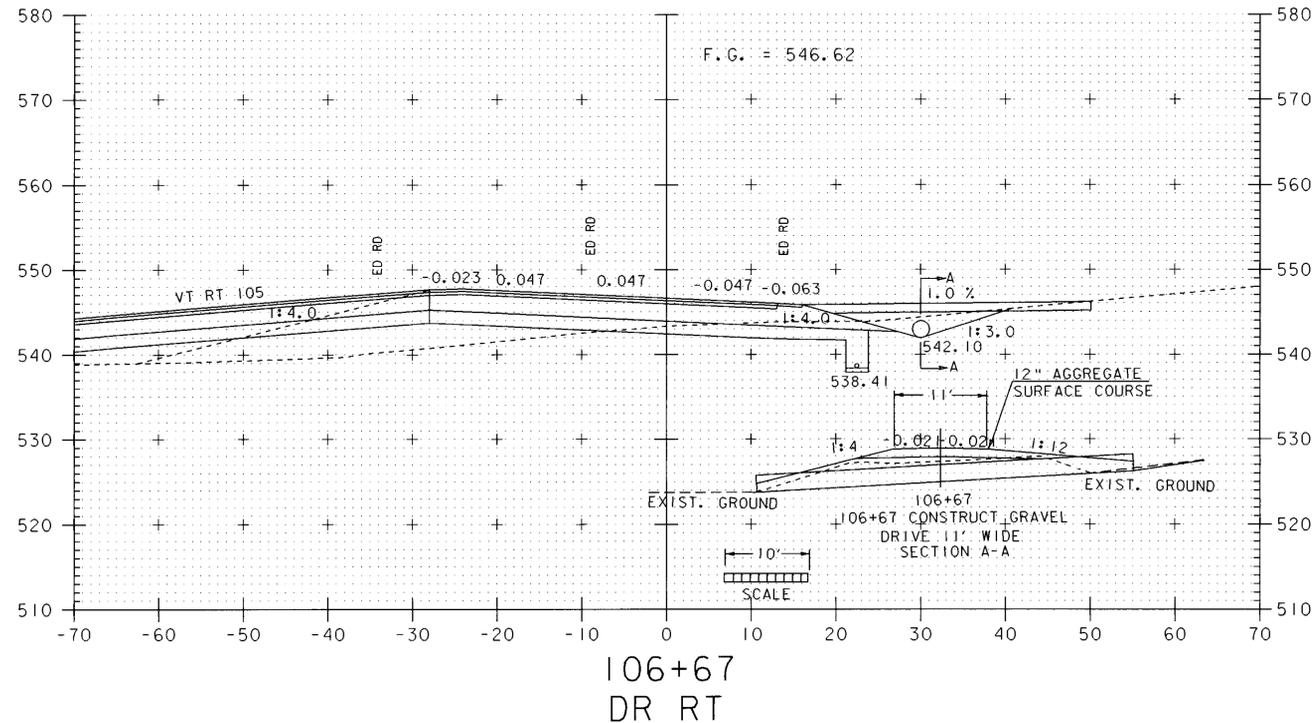
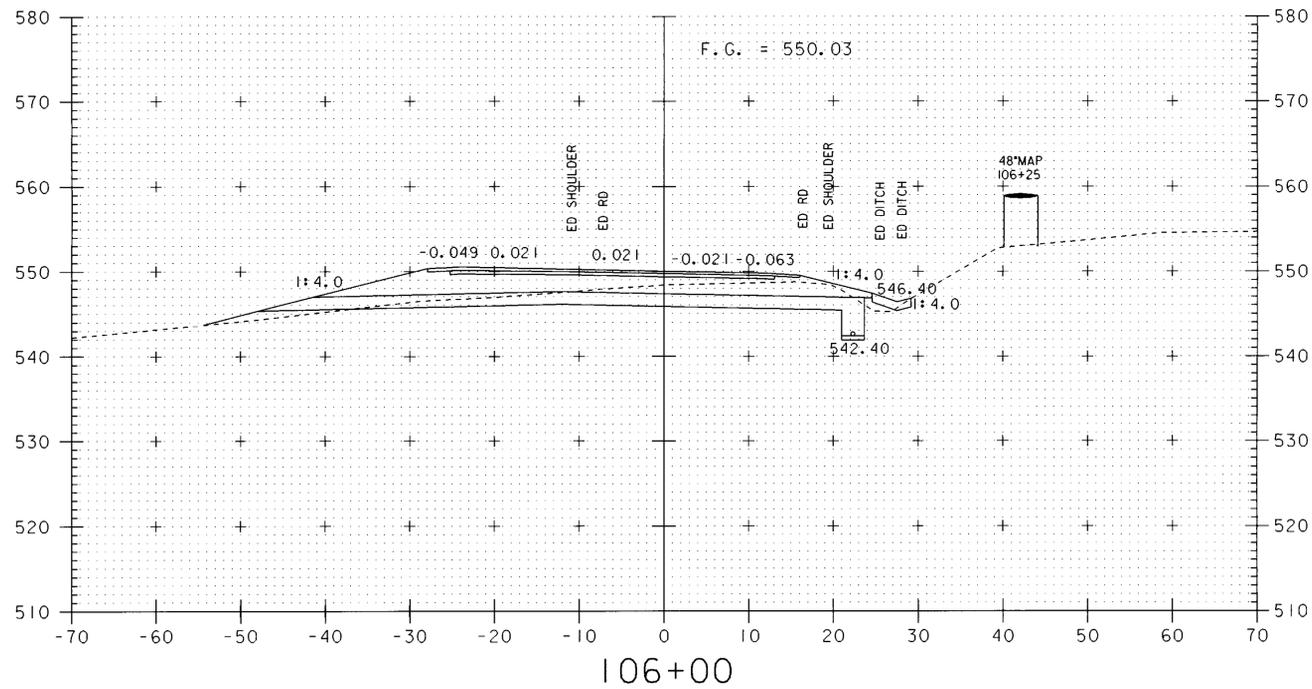
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DESIGN FILE NAME: /sgdc/84e076/de076xs.dgn	PLOT DATE: 12-JAN-1999
IPARM FILE NAME: de076x03.1	SURVEY DATE: 9/90
SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: ___ OF ___



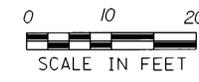
DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A



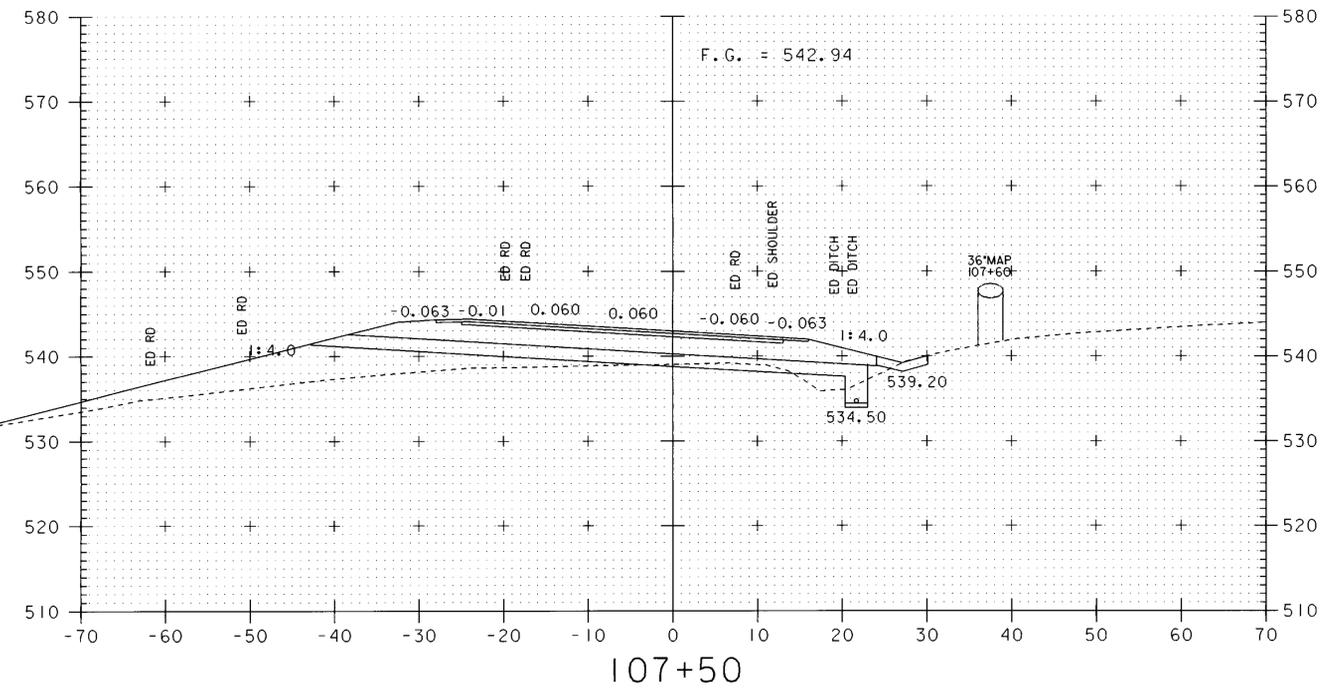
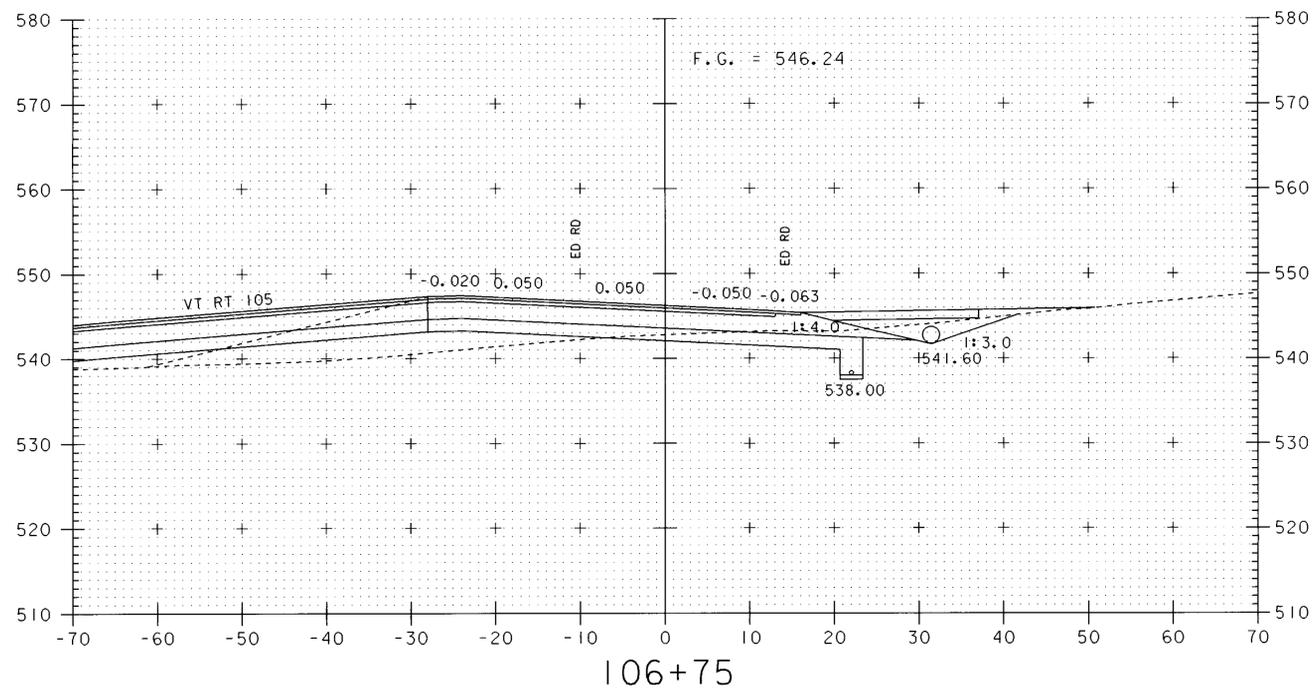
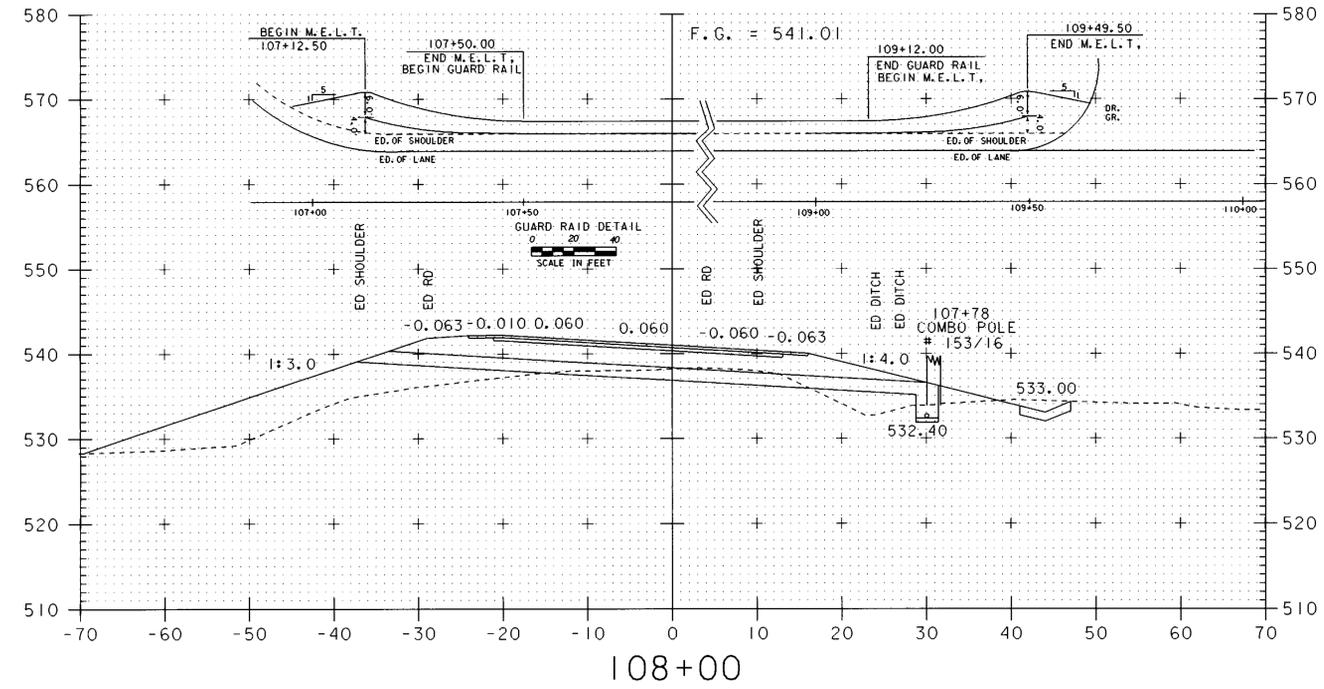
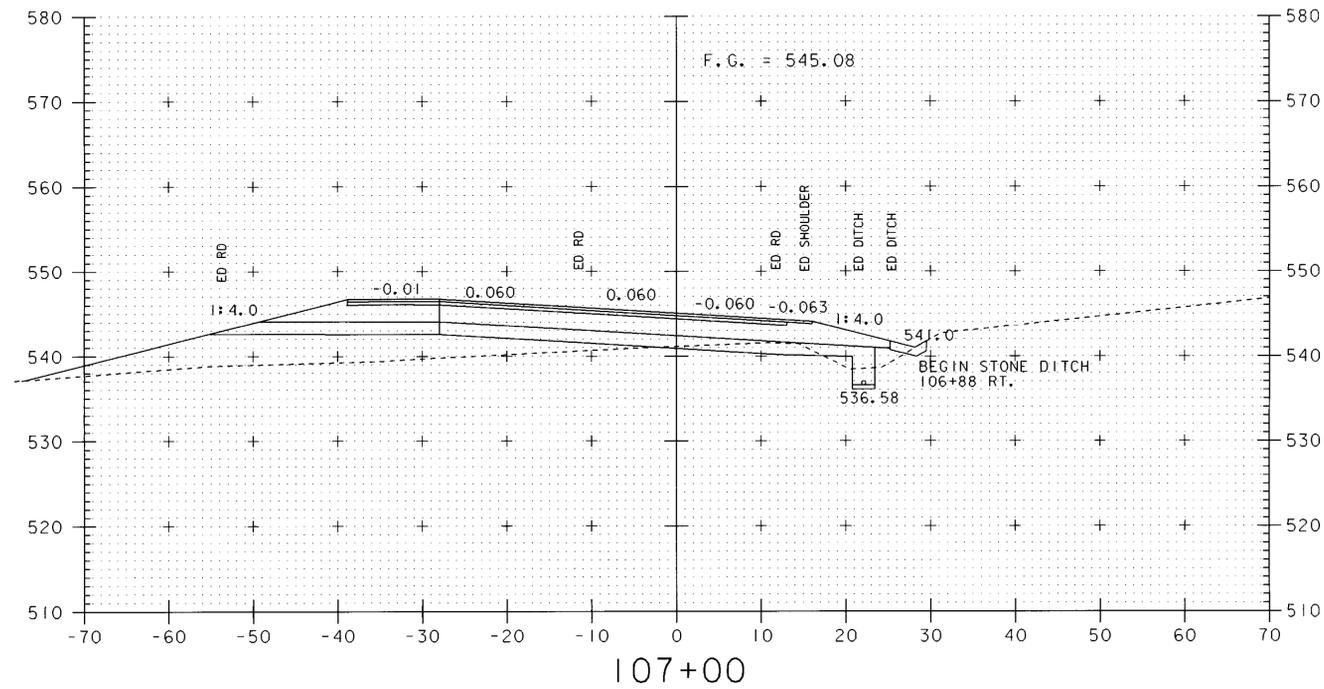
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ST. ALBANS		HES 034-1(19)5	
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IPARM FILE NAME: de076x04.i		SURVEY DATE: 9/90	
SURVEYED BY: R. MOREAU		DRAWN BY: MEUNIER	
SQUAD LEADER: S. MENARD		SHEET: OF	



DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A

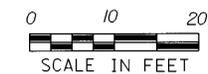


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SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: _____ OF _____

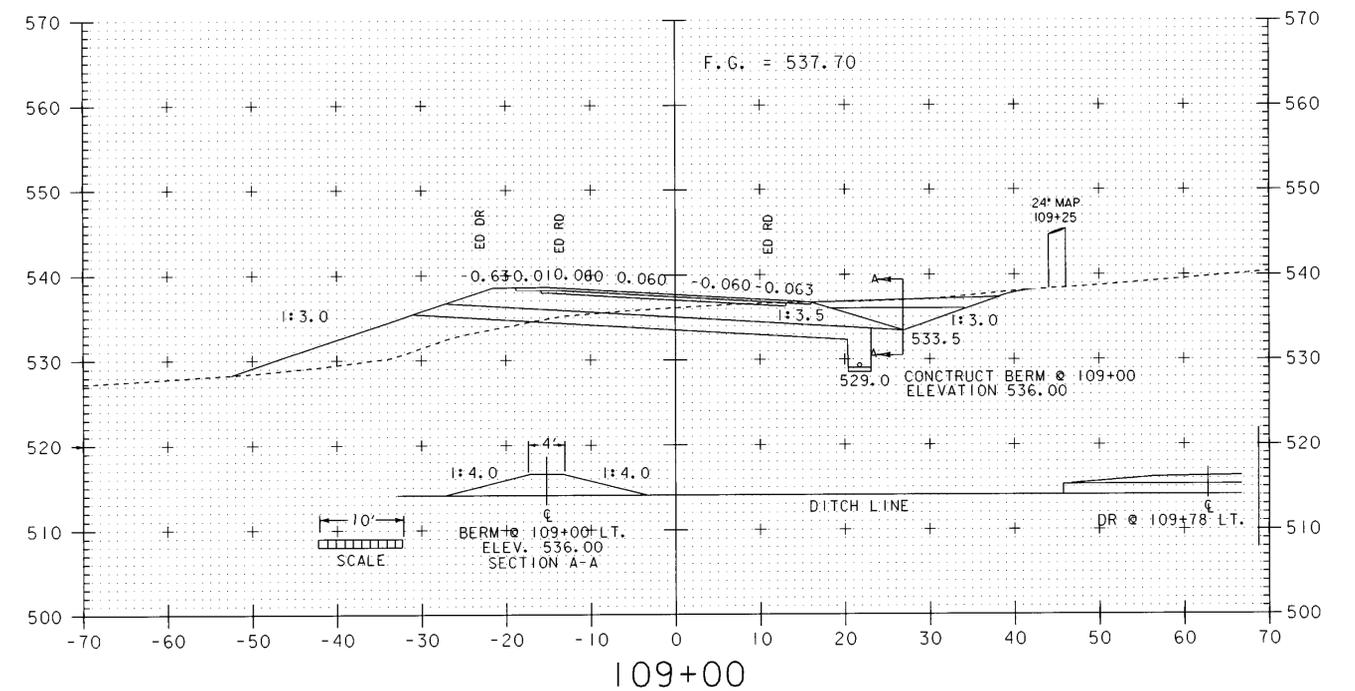
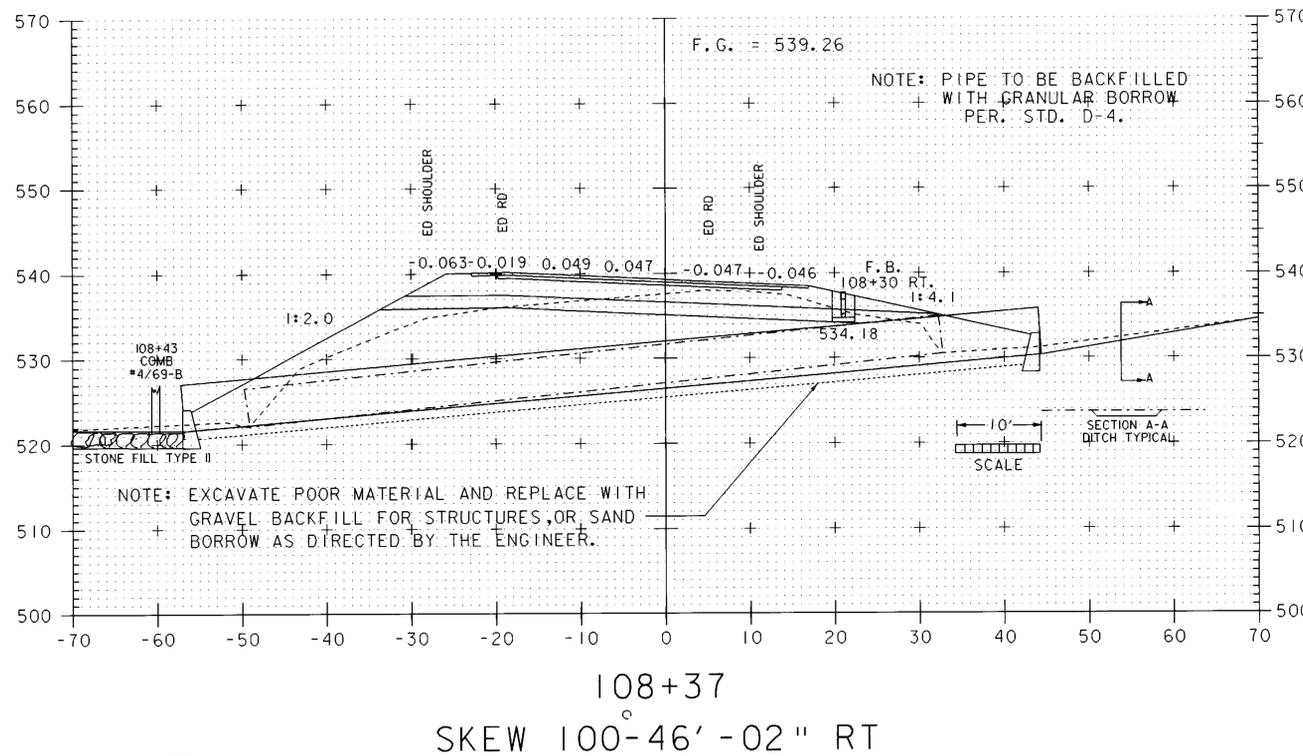
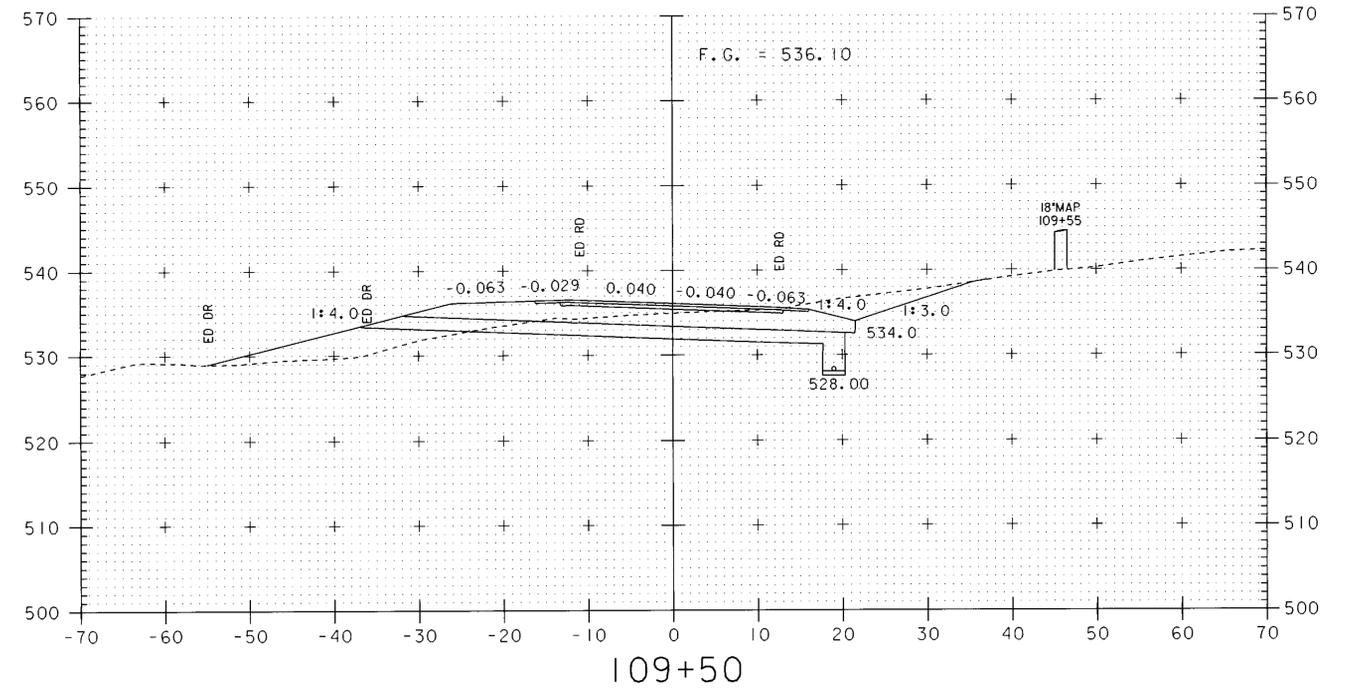
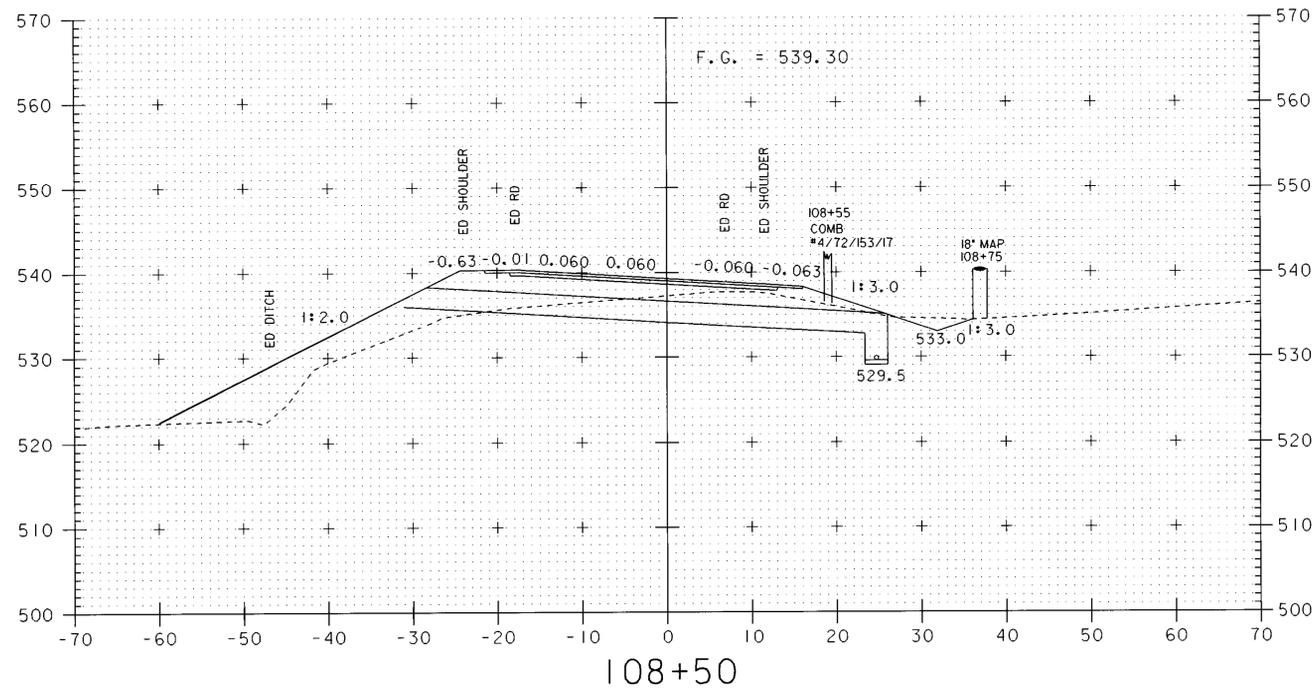


MAIN LINE POC 106+75 =
SIDE LINE PI 205+18.12

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A



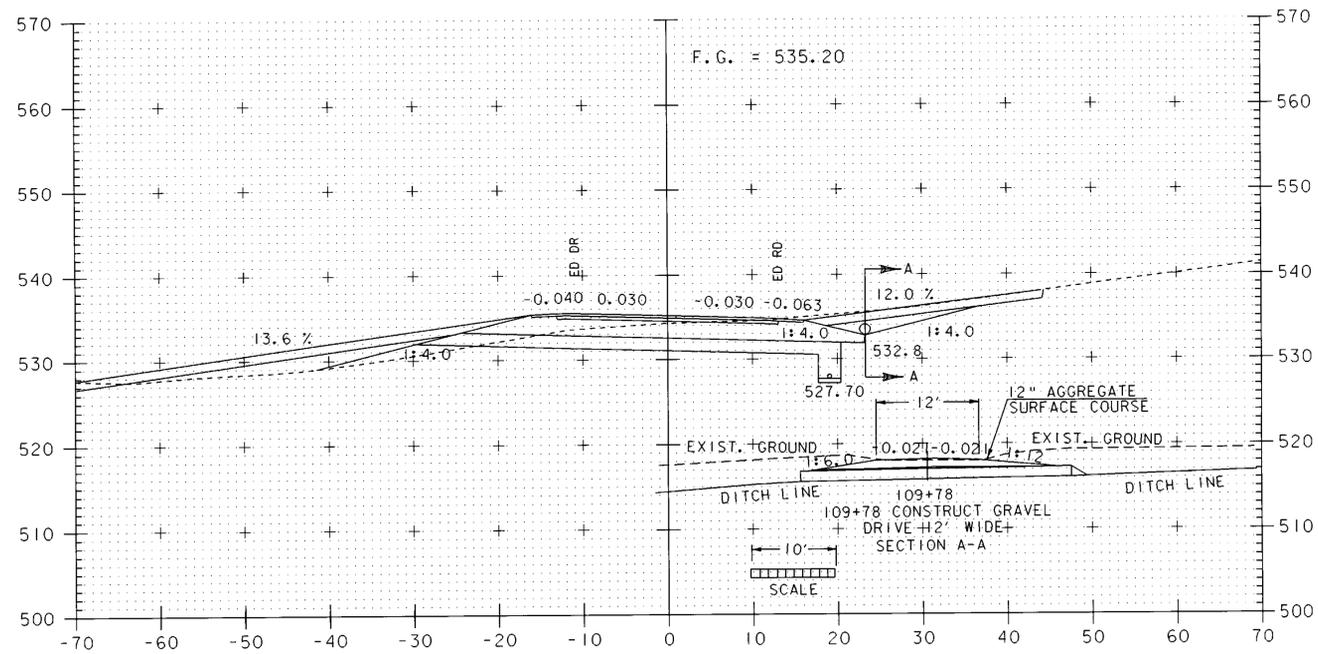
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SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: _____ OF _____



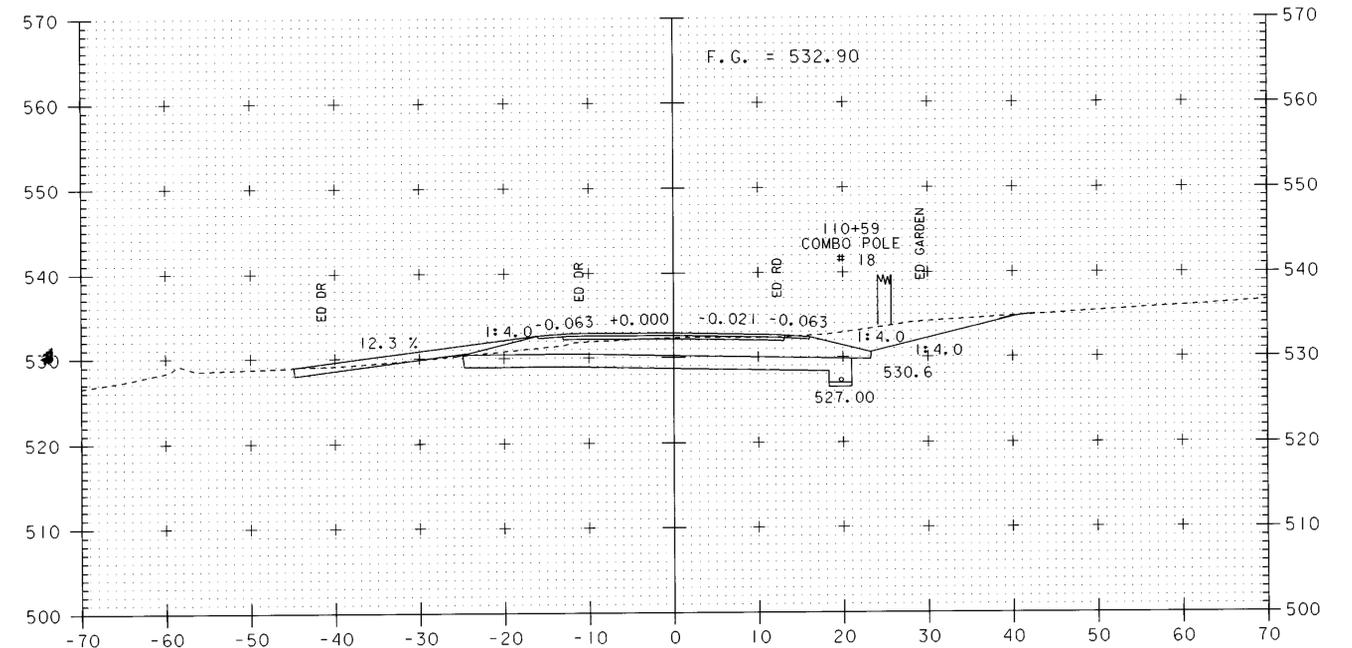
DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A



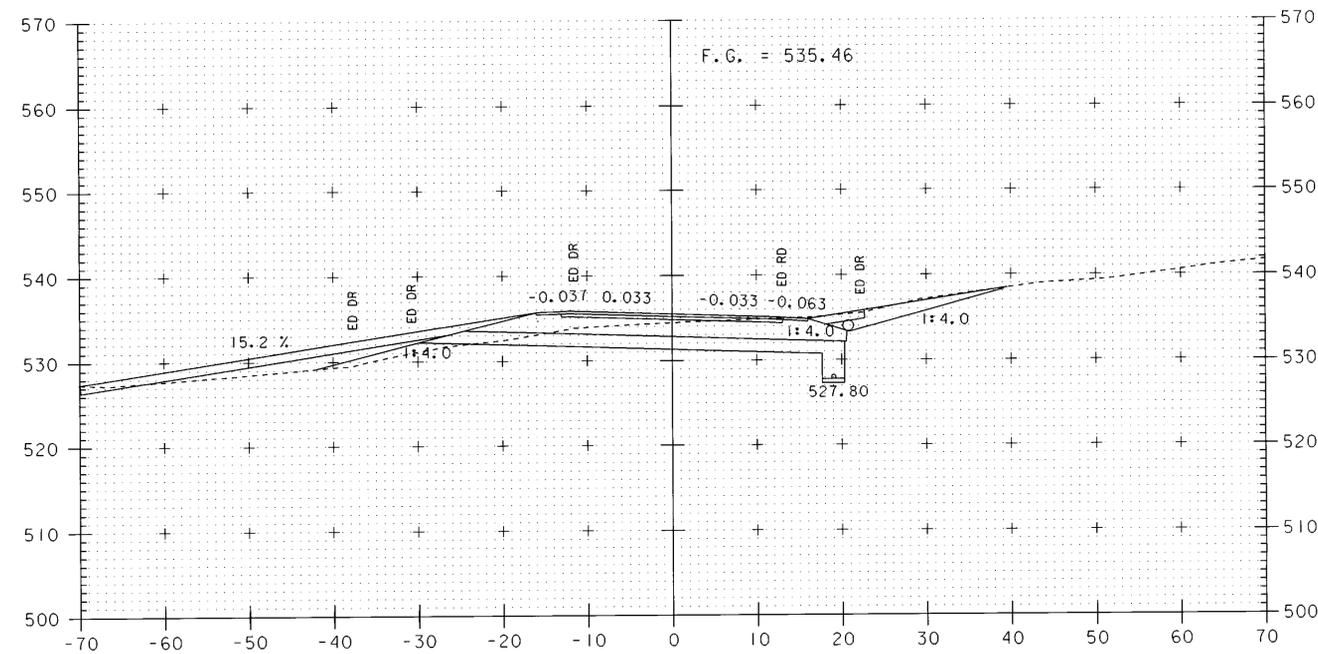
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IPARM FILE NAME: de076x07.1	SURVEY DATE: 9/90
SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: OF



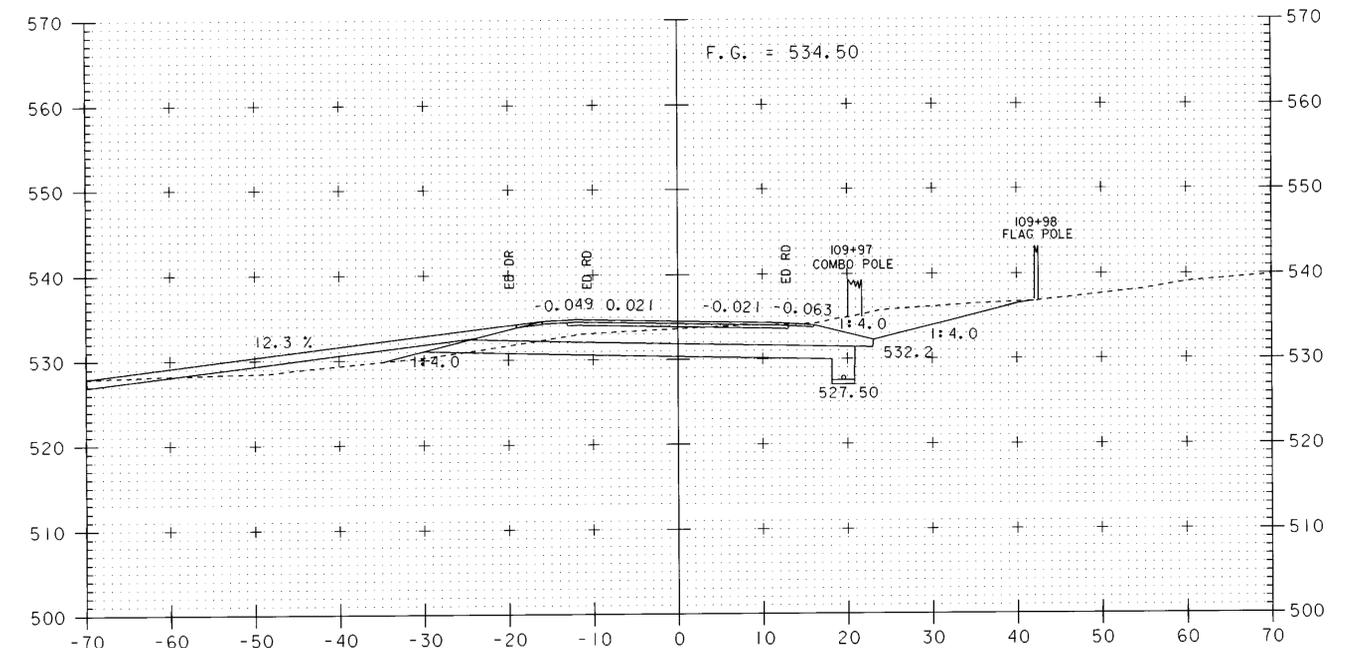
109+78
DR LT & RT



110+50
DR LT

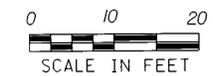


109+70
DR LT

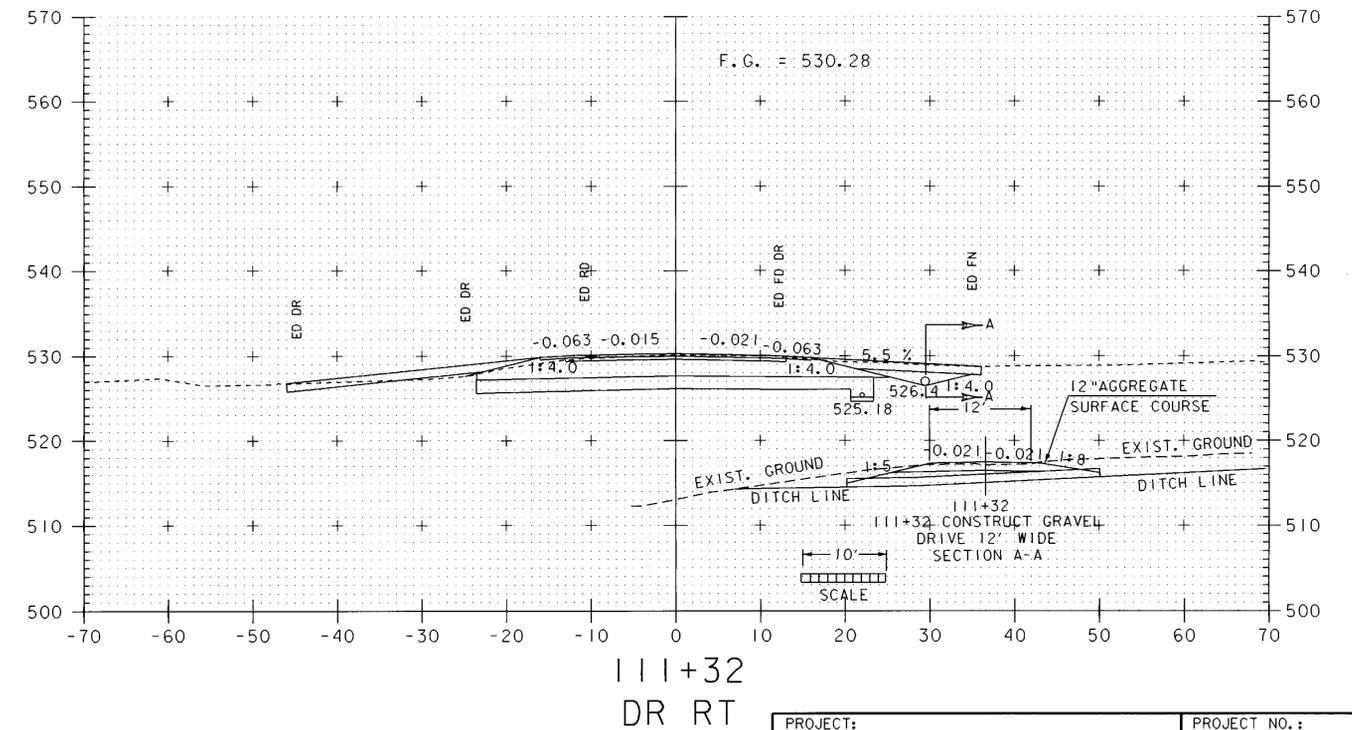
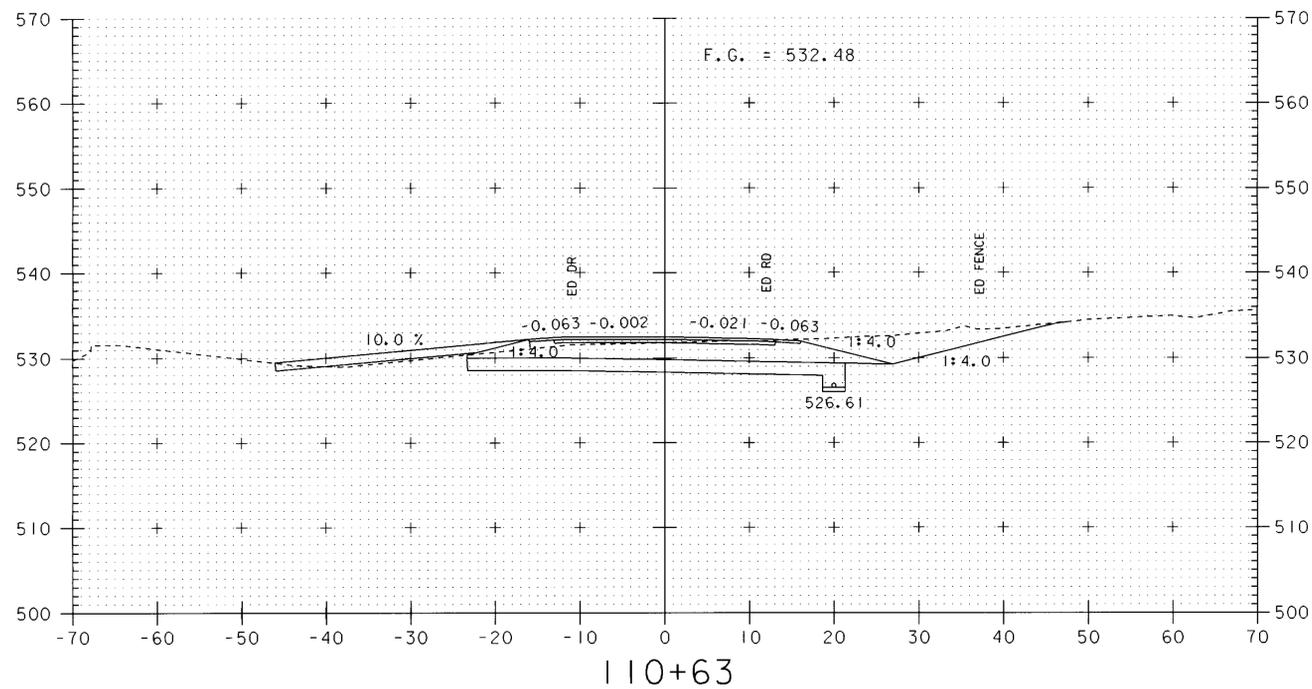
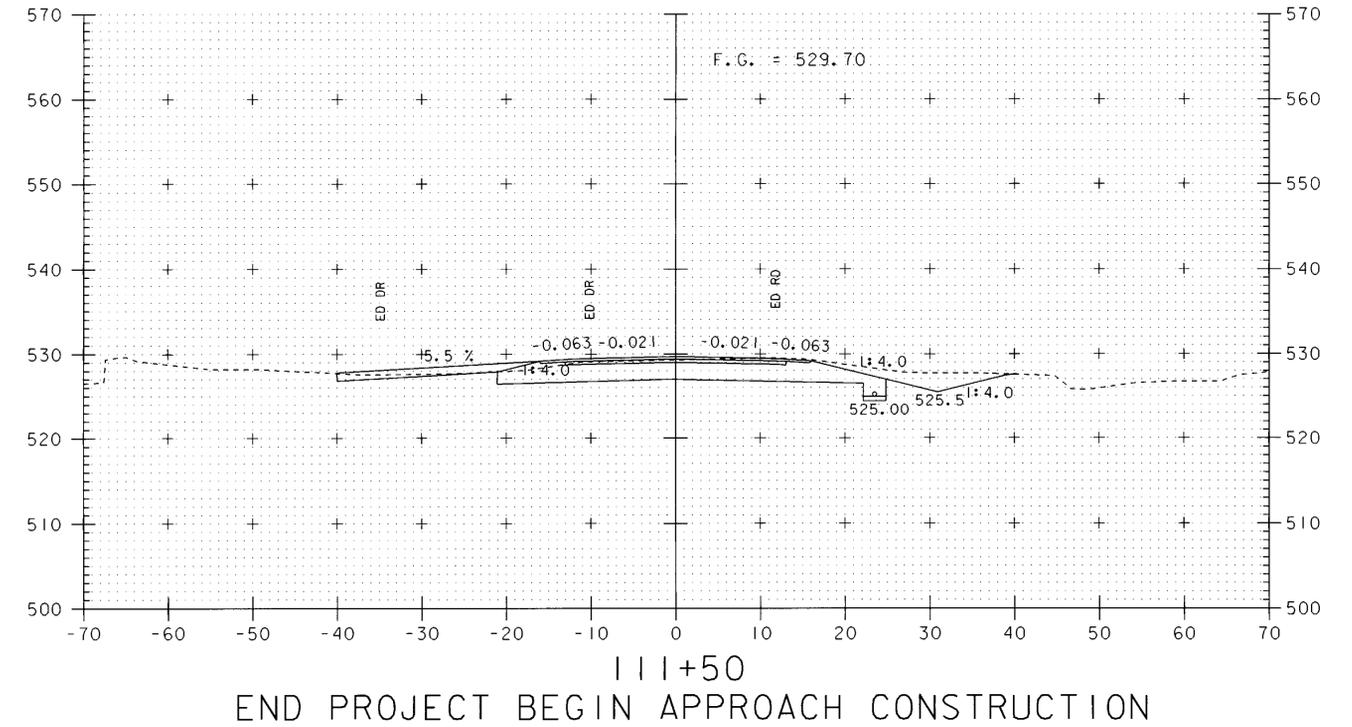
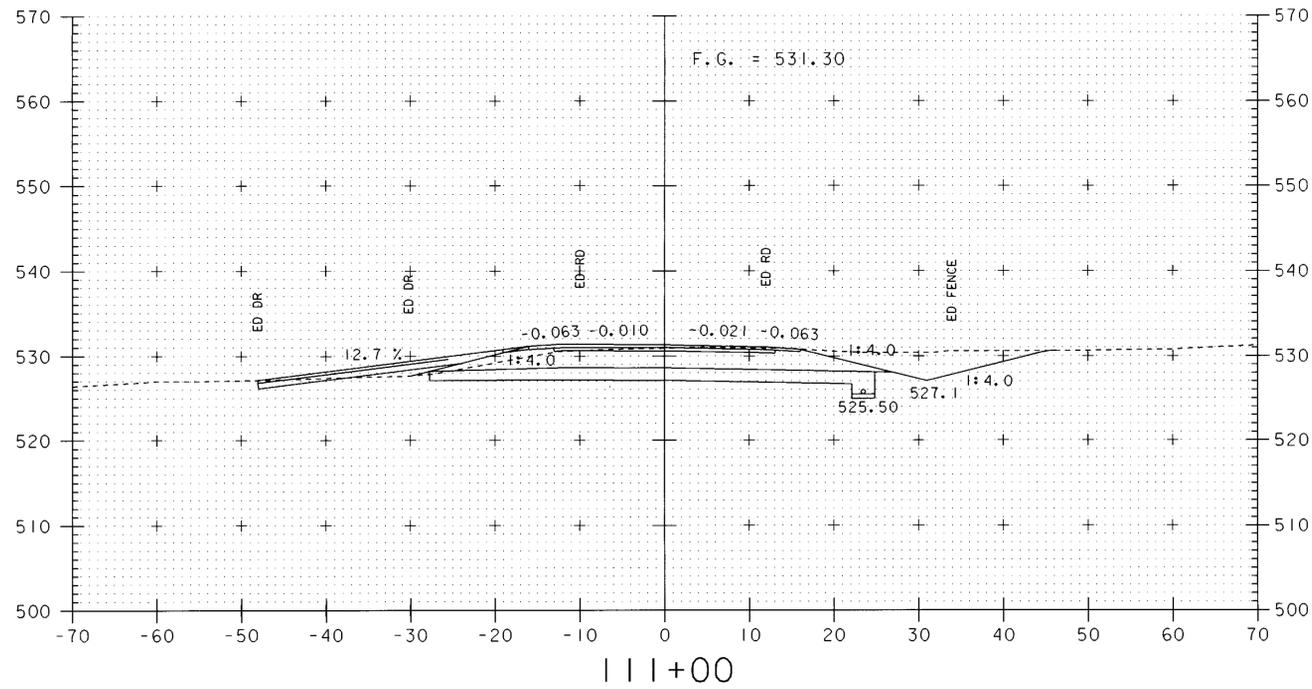


110+00

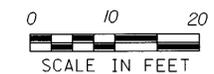
DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A



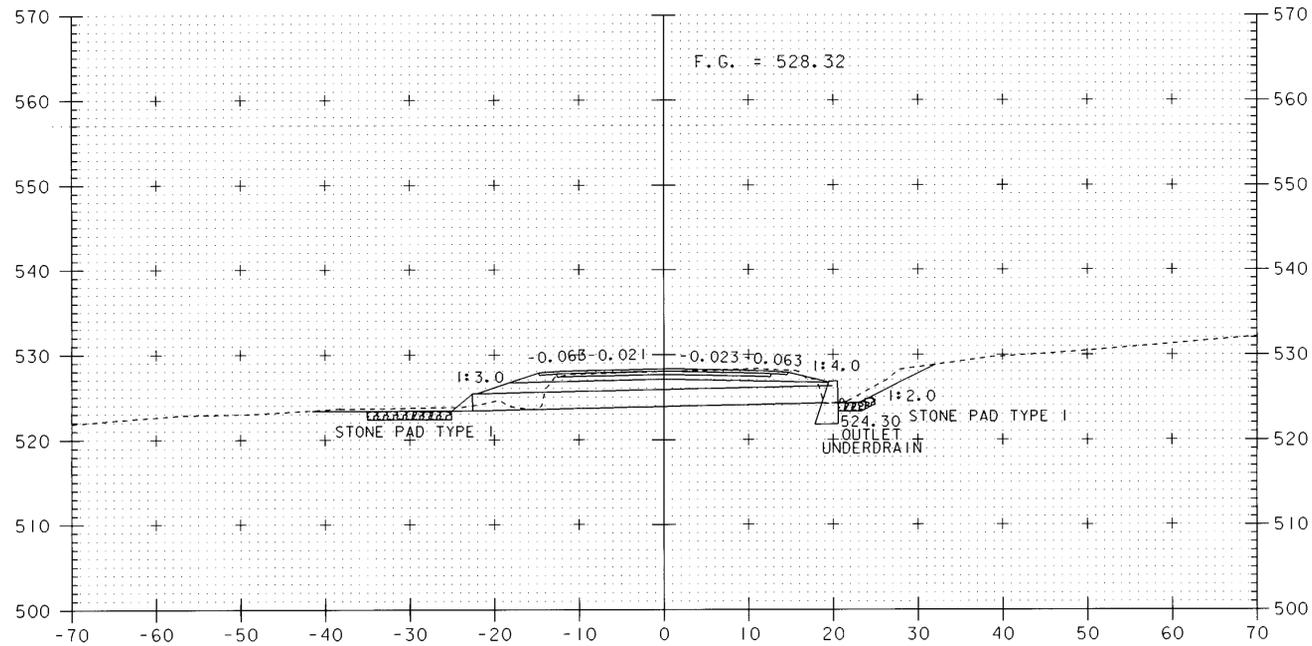
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IPARM FILE NAME: de076x08.i	SURVEY DATE: 9/90
SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: _____ OF _____



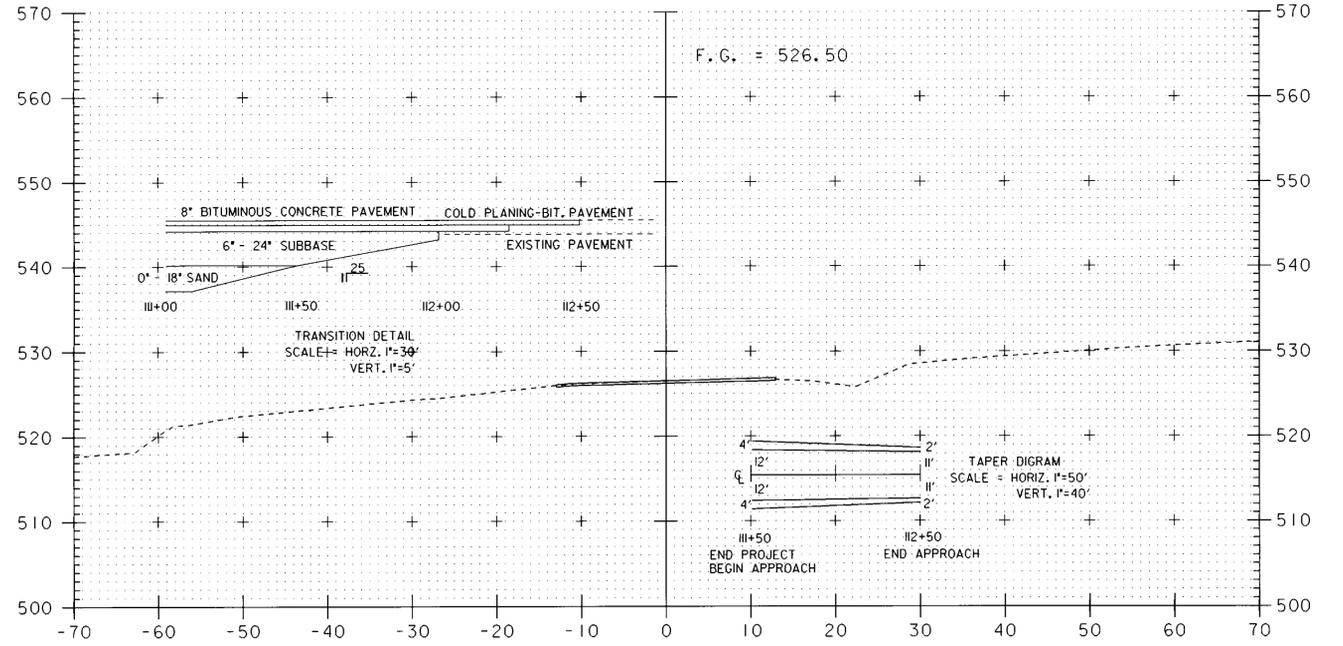
DATUM
 VERTICAL NGVD 1929
 HORIZONTAL N/A



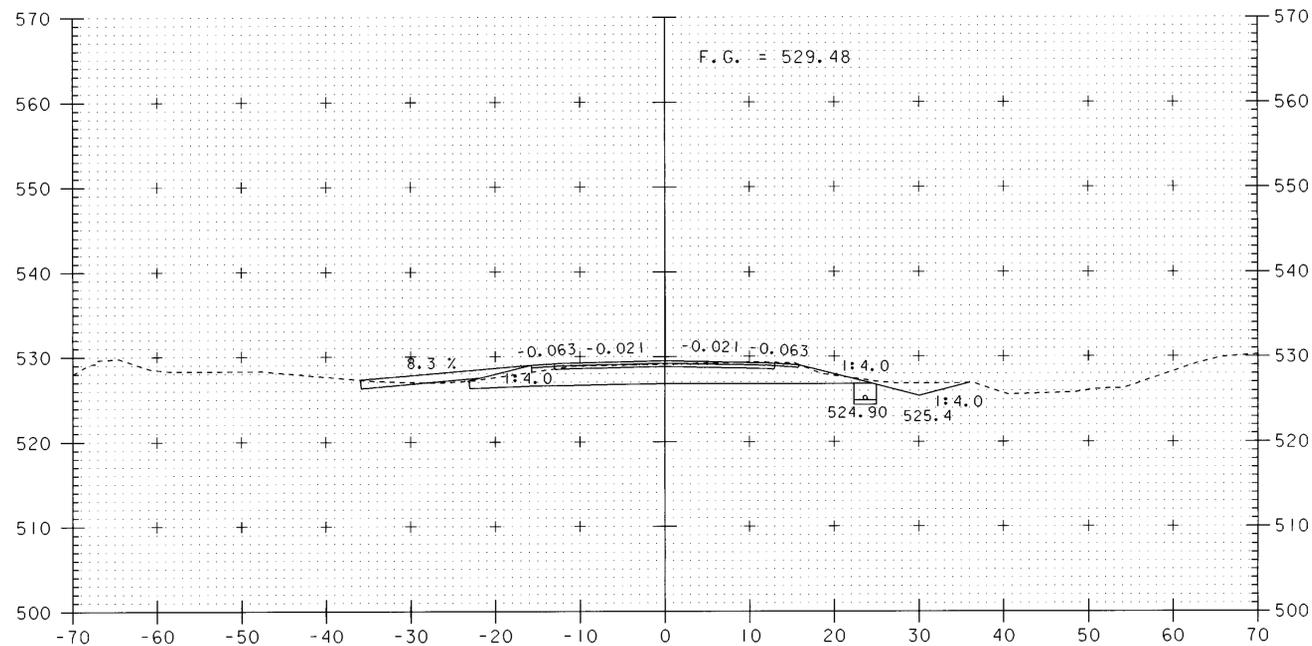
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DESIGN FILE NAME: /sqdc/84e076/de076XS.dgn	PLOT DATE: 12-JAN-1999
IPARM FILE NAME: de076x09.i	SURVEY DATE: 9/90
SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: OF



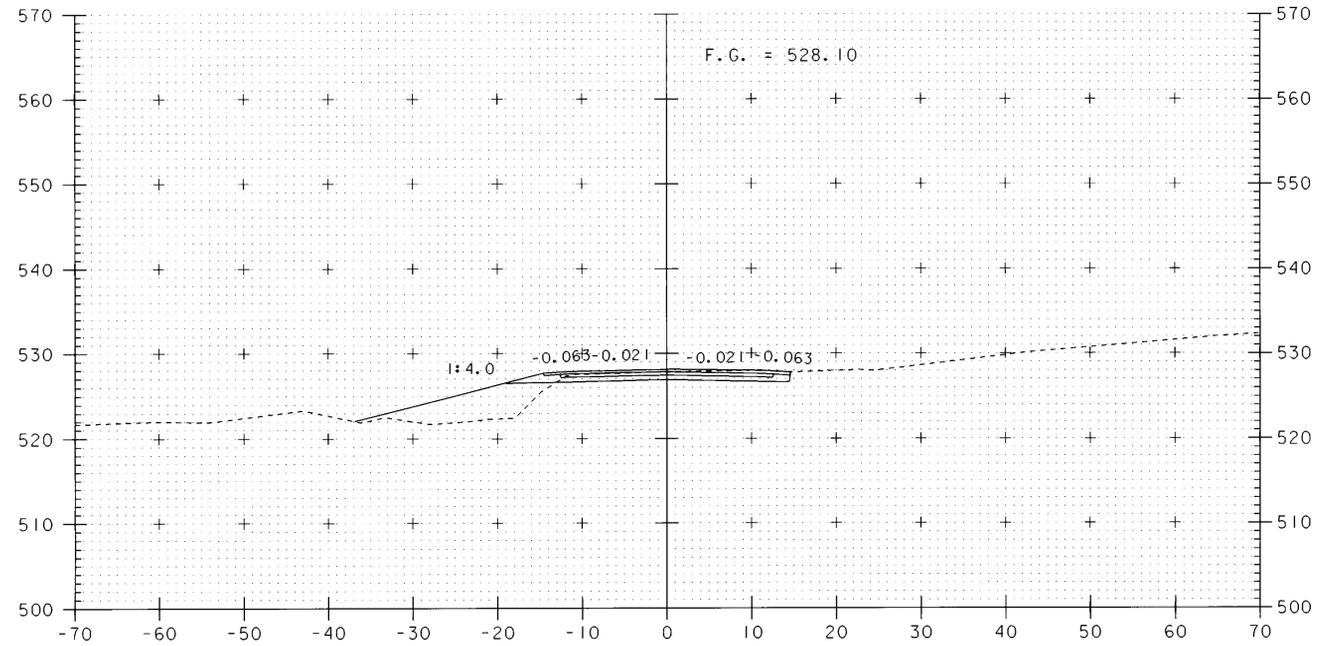
111+93
SKEW 106° - 39' - 17" RT.



112+50
END APPROACH CONSTRUCTION

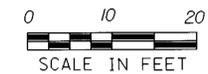


111+57
DR LT



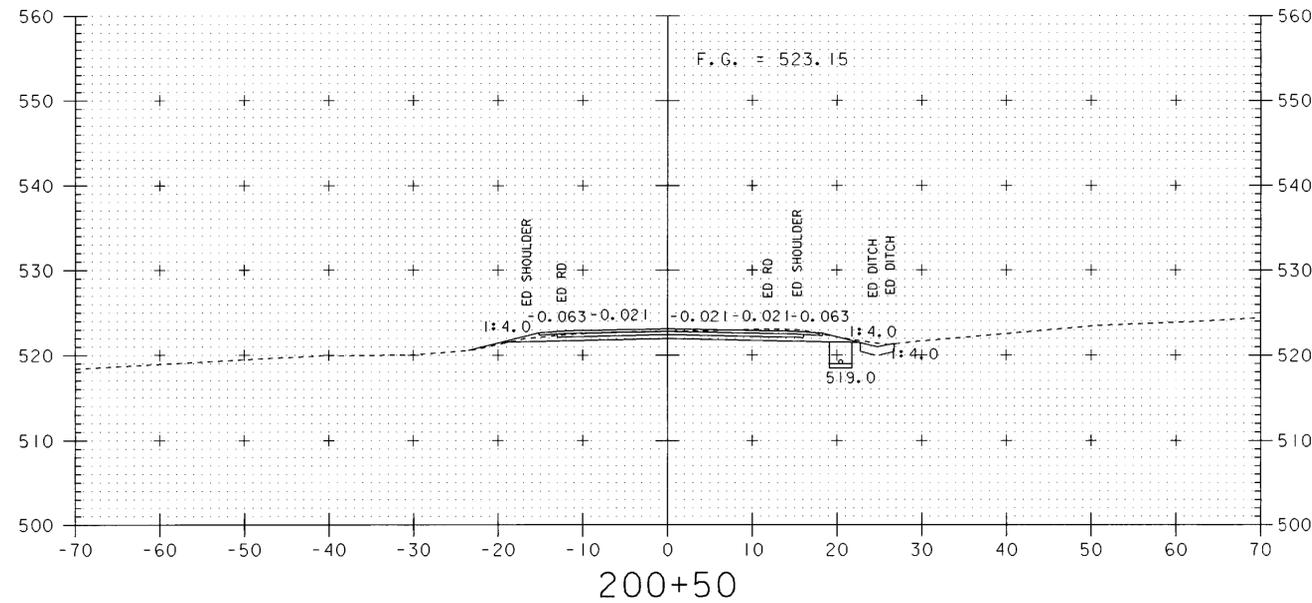
112+00

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A

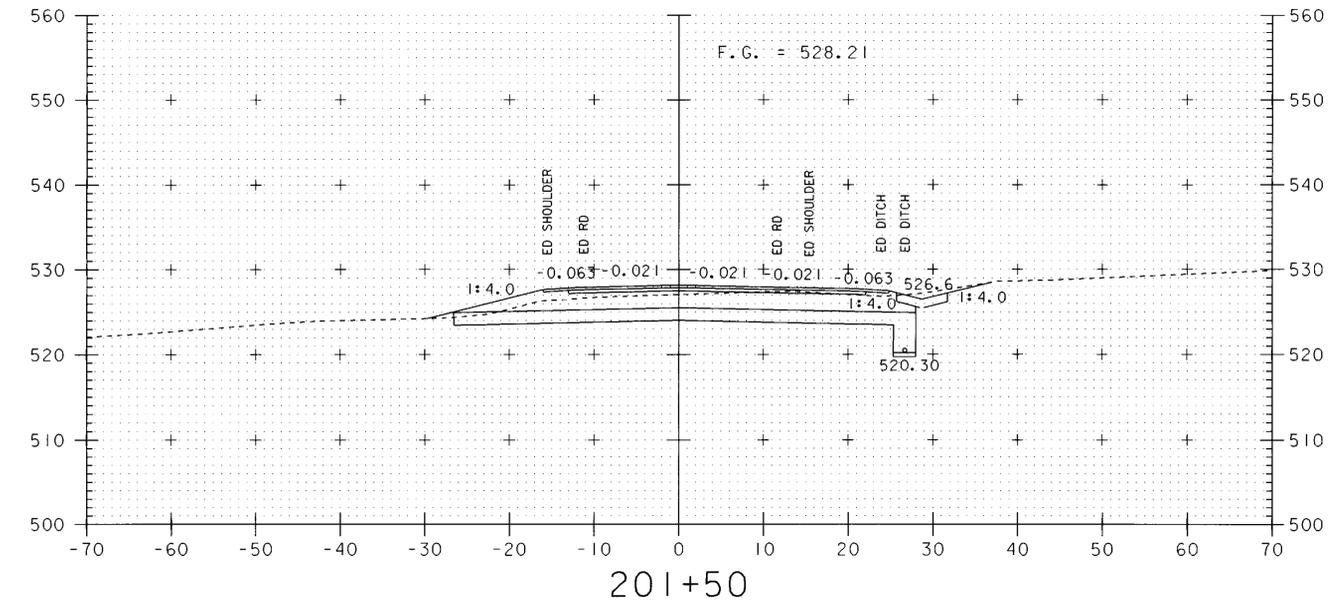


PROJECT: ST. ALBANS	PROJECT NO. : HES 034-1(19)S
DESIGN FILE NAME: /sqdc/84e076/de076xs.dgn	PLOT DATE: 12-JAN-1999
IPARM FILE NAME: de076x10.i	SURVEY DATE: 9/90
SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: OF

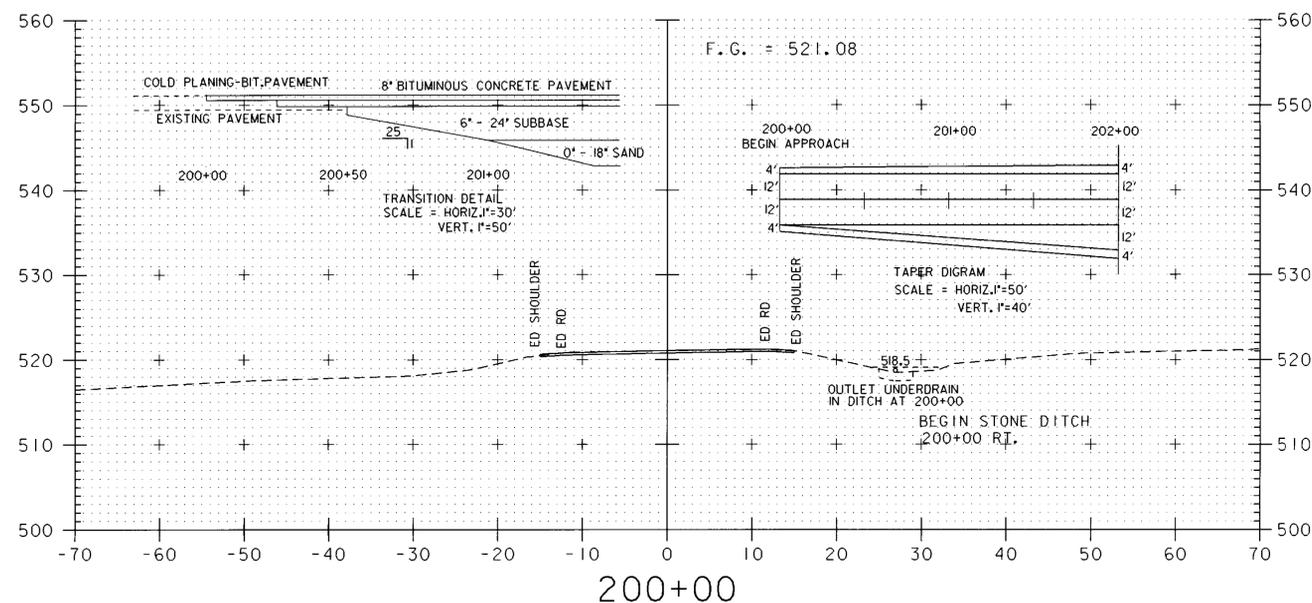
VT RT 105



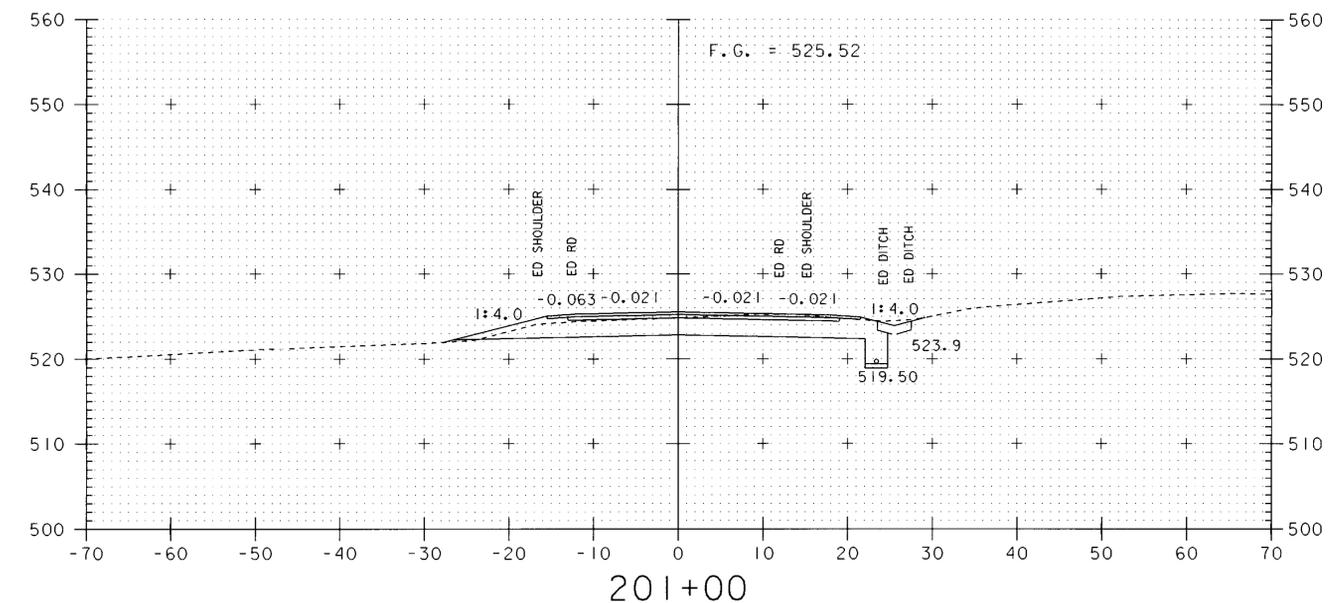
VT RT 105



VT RT 105

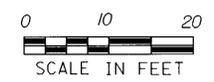


VT RT 105



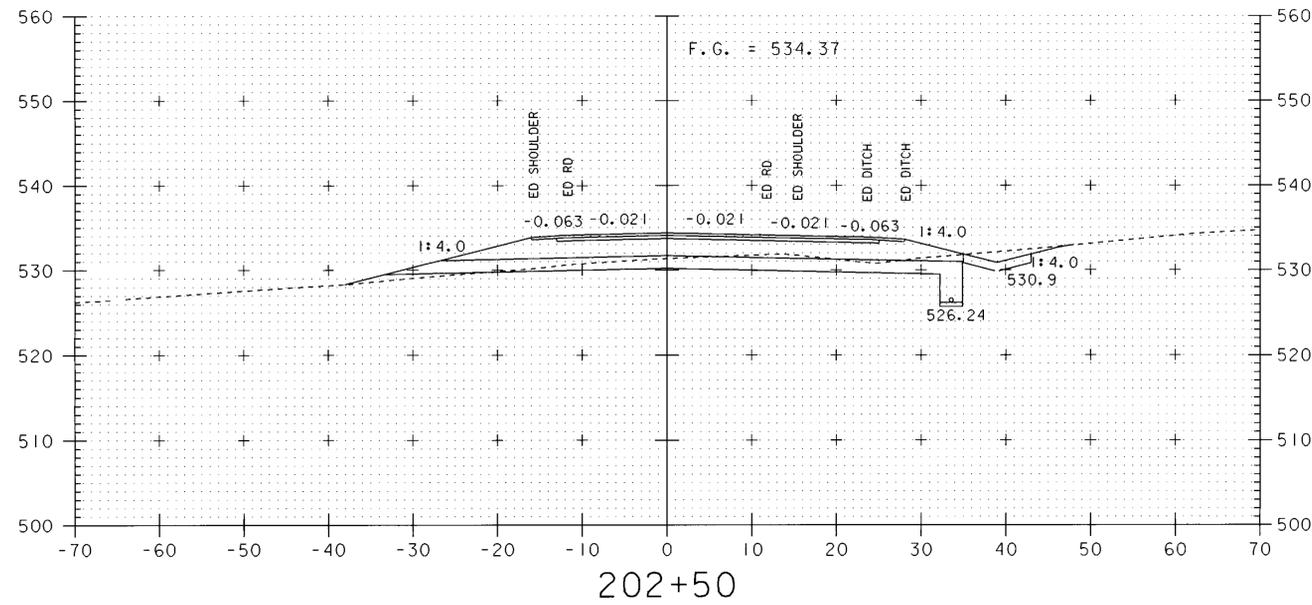
BEGIN APPROACH CONSTRUCTION
MATCH EXISTING ROADWAY

DATUM	NGVD 1929
VERTICAL	N/A
HORIZONTAL	N/A

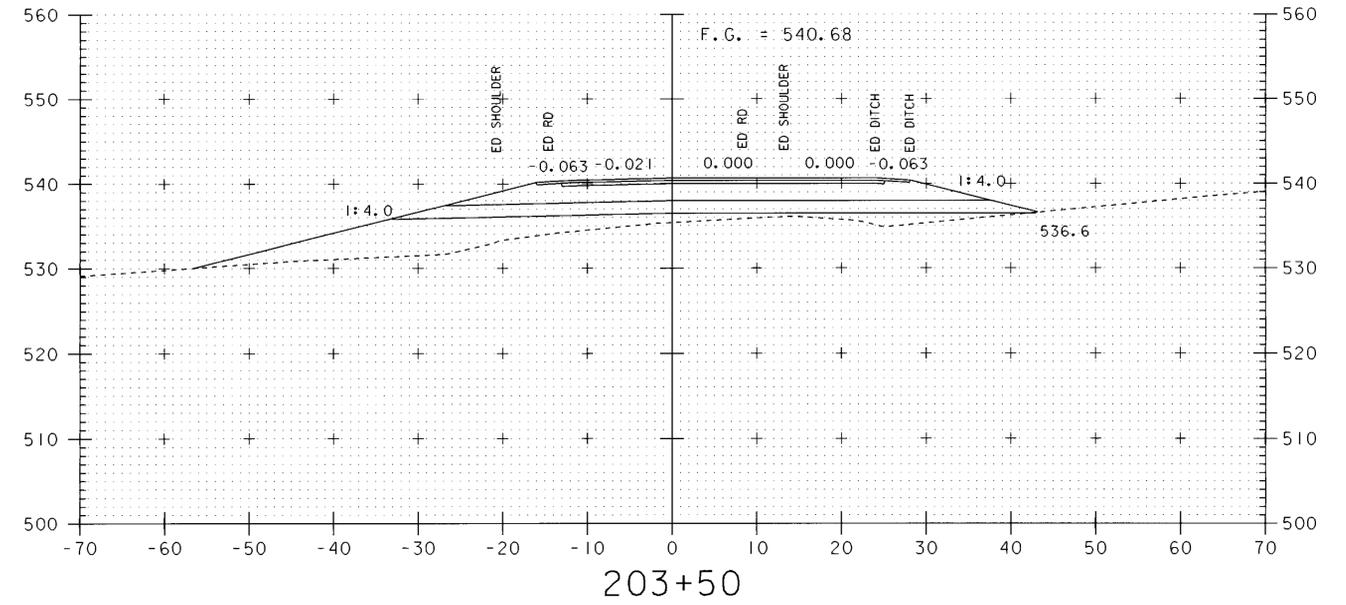


PROJECT:	ST. ALBANS	PROJECT NO.:	HES 034-1(19)S
DESIGN FILE NAME:	/sgdc/84e076/de076xs.dgn	PLOT DATE:	12-JAN-1999
IPARM FILE NAME:	de076s01.i	SURVEY DATE:	9/90
SURVEYED BY:	R. MOREAU	DRAWN BY:	MEUNIER
SQUAD LEADER:	S. MENARD	SHEET:	OF

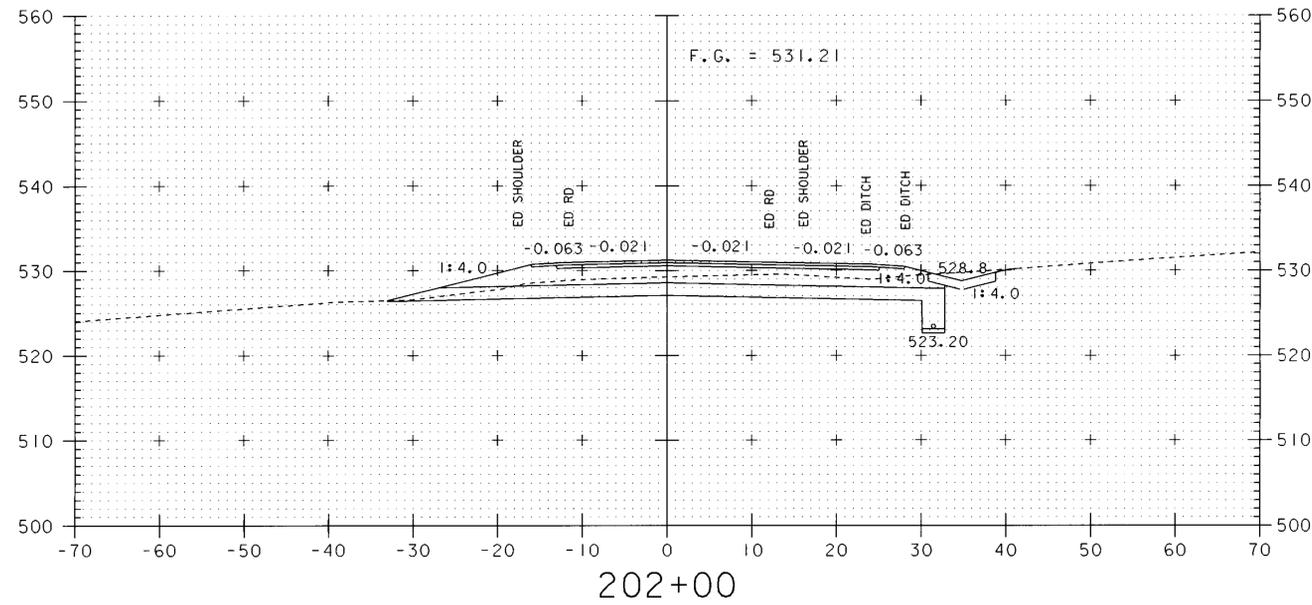
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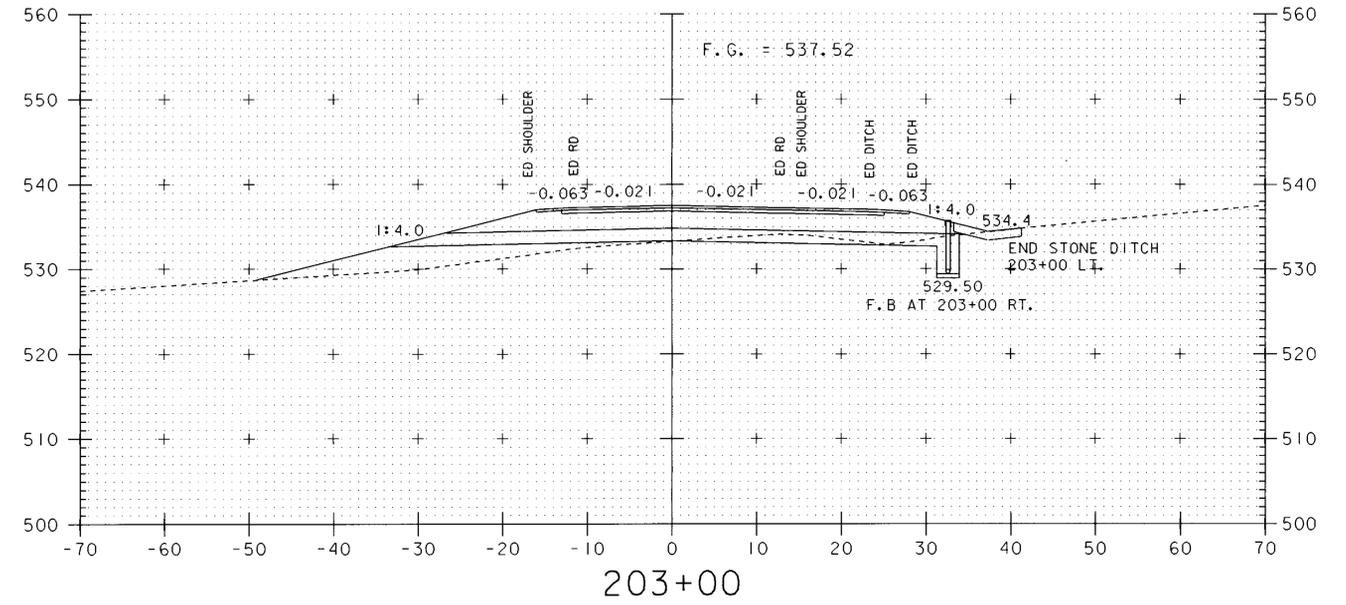
VT RT 105



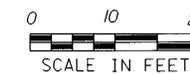
VT RT 105



VT RT 105

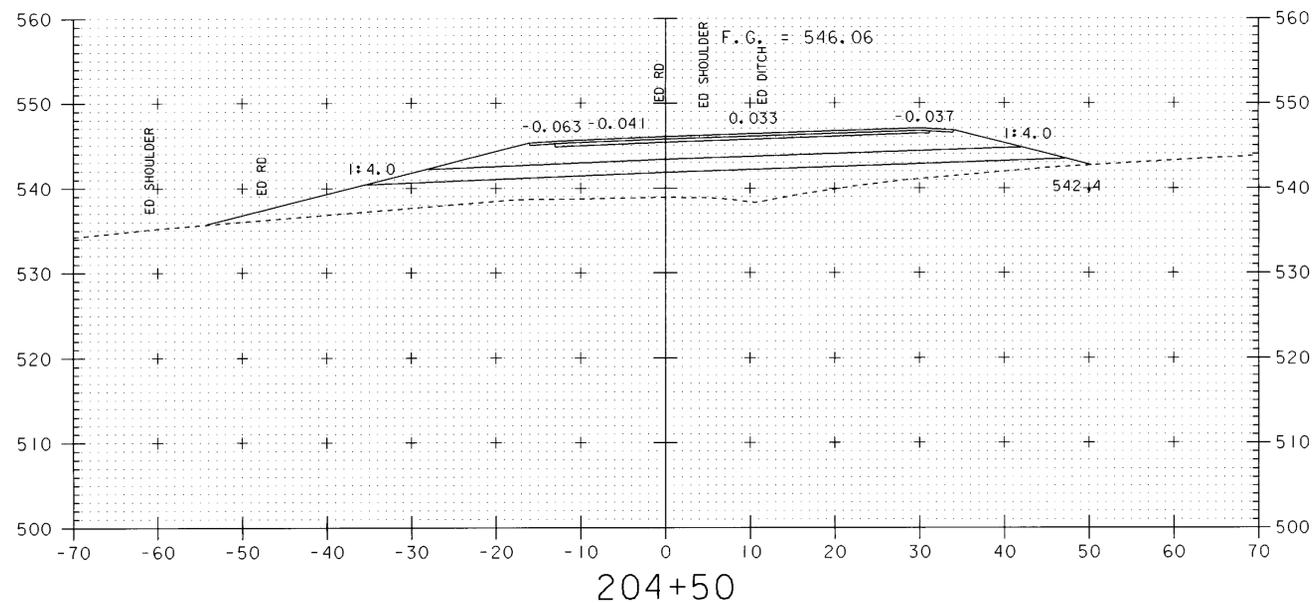


DATUM
VERTICAL NGVD 1929
HORIZONTAL N/A

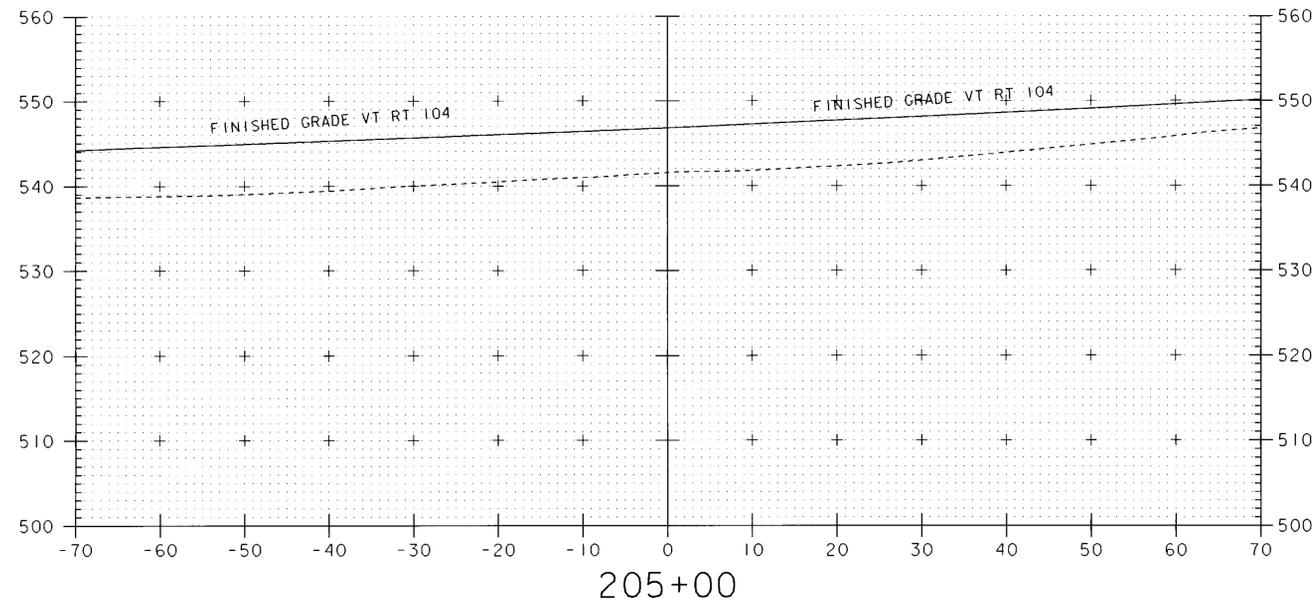


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IPARM FILE NAME: de076s02.i	SURVEY DATE: 9/90
SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: OF

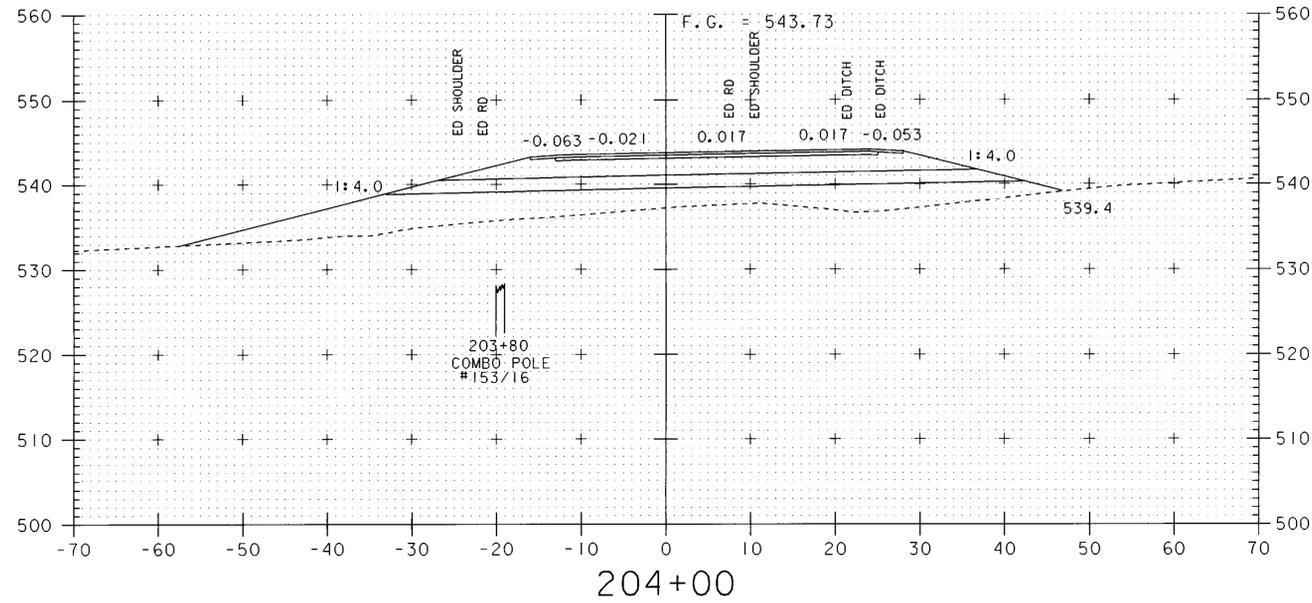
VT RT 105



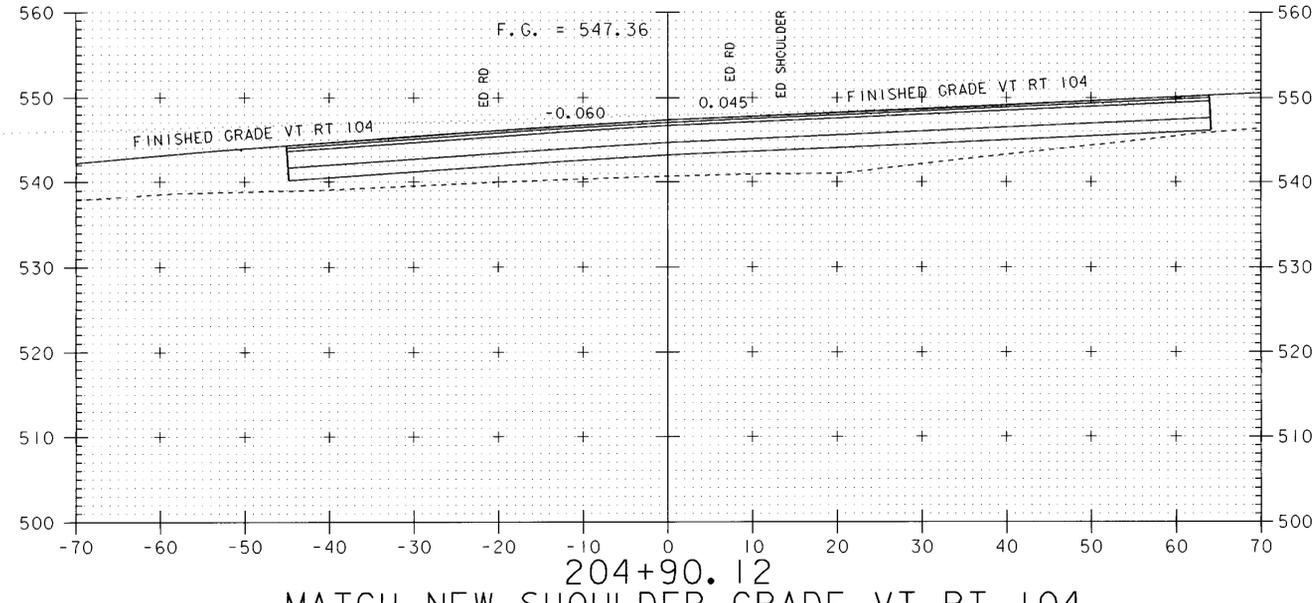
VT RT 105



VT RT 105

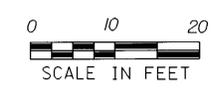


VT RT 105



MATCH NEW SHOULDER GRADE VT RT 104

DATUM	
VERTICAL	NGVD 1929
HORIZONTAL	N/A



PROJECT: ST. ALBANS	PROJECT NO.: HES 034-1(19)S
DESIGN FILE NAME: /sadc/84e076/de076xs.dgn	PLOT DATE: 12-JAN-1999
IPARM FILE NAME: de076s03.1	SURVEY DATE: 9/90
SURVEYED BY: R. MOREAU	DRAWN BY: MEUNIER
SQUAD LEADER: S. MENARD	SHEET: _____ OF _____