

300

OHIO DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS

Not Scanned
CPN:
19910300

FHWA REGION	STATE	FEDERAL PROJECT	
5	OHIO		

PLAN NO. 4D9499

PART	COUNTY	ROUTE	SECTIONS	PROJECT TERMINI		NET LENGTH MILES	TOWNSHIP	CITY	VILLAGE
				BEGIN	END				
1	SUM	I-271	7.5	7.42	7.63	.21			

Drainage Correction
West Bound Lane

The Standard 19 89 Specifications of the State of Ohio, Department of Transportation, including changes and Supplemental Specifications listed in the plans and proposal shall govern these improvements.

I hereby approve these plans and declare that the making of these improvements will require the closing of the highways to traffic on Parts No. _____ and that detours will be provided by State forces. The closing to traffic of the highways will not be required on Parts No. Part 1 and provisions for the maintenance and safety of traffic will be as indicated in the proposal.

Approved
Date 12-4-90

William Binkley
District Deputy Director of Transportation

Approved
Date _____

Engineer of Bridges

Approved
Date _____

Engineer of Maintenance

Approved
Date 1-25-91

Thomas J. Faady
Deputy Director, Operations

Approved
Date _____

Assistant Deputy Director, Program Development

Approved
Date _____

Chief Engineer, Construction

Approved
Date _____

Chief Engineer, Design

Approved
Date _____

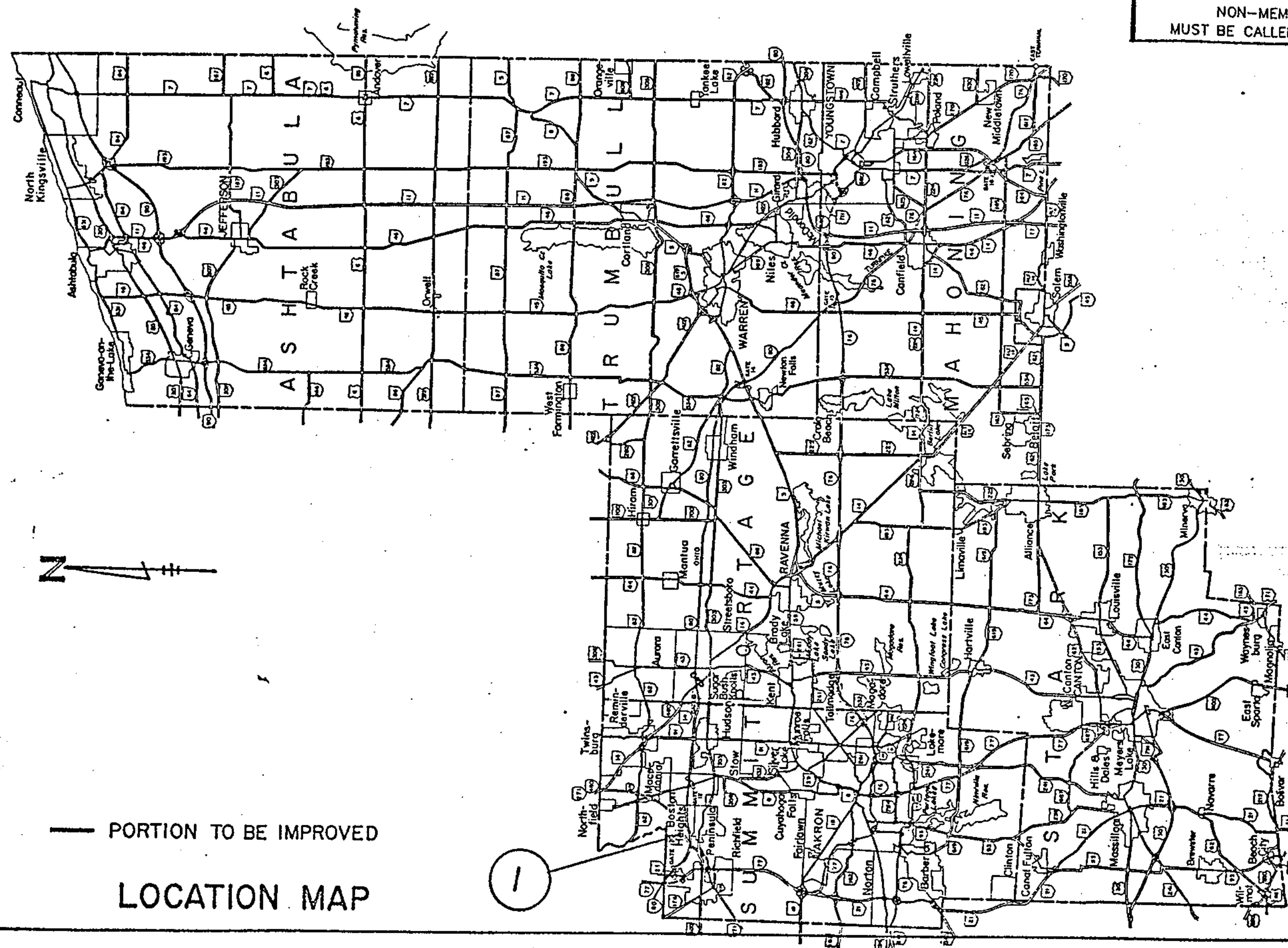
Assistant Director, Department of Transportation

Approved
Date 1-25-91

Jerry Wray
Director, Department of Transportation

UNDERGROUND UTILITIES

TWO WORKING DAYS
BEFORE YOU DIG
Call...800-362-2764 (Toll Free)
OHIO UTILITIES PROTECTION SERVICE
NON-MEMBERS
MUST BE CALLED DIRECTLY



1-23-91

DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

APPROVED:

DIVISION ADMINISTRATOR DATE

STANDARD DRAWINGS		SUPPLEMENTAL SPECIFICATIONS	
CB-4	11-10-83		
CB-5	11-10-83		
HW-4A	4-1-80		
MC-10	5-1-76		
MC-11	8-1-78		
MC-4	7-26-76		
MT-95.30	10-10-88		
BP-2	1-11-85		

ITEM 614 MAINTAINING TRAFFIC

The Contractor shall maintain traffic at all times, in accordance with the requirements of specification 614 and the closing of the right lane of the west bound side only, as per standard construction drawing MT-95.30 will be permitted to complete the contract work.

CONNECTION TO EXISTING PIPE

Where the plans provide for proposed conduit to be connected to, or to cross either over or under an existing pipe, it shall be the responsibility of the contractor to locate the existing pipe both as to line and grade before he starts to lay the proposed conduit. Payment for all operations described above shall be included in the unit price bid for the pertinent 603 Conduit Items.

TEMPORARY SOIL EROSION AND SEDIMENT CONTROL

The following quantities to be used as directed by the Engineer for Temporary Erosion and Sediment Control Measures:

ITEM 207-Temporary Benches, Dikes, Dams and Sediment Basin...50 CU.YD.

ITEM 207-Straw or Hay Bales..... 250 EACH

ITEM 659 SEEDING and MULCHING

Quantities for seeding and mulching are calculated for areas disturbed by construction and has been included in the General Summary.

ITEM 604 CATCH BASIN NO. 4, As Per Plan

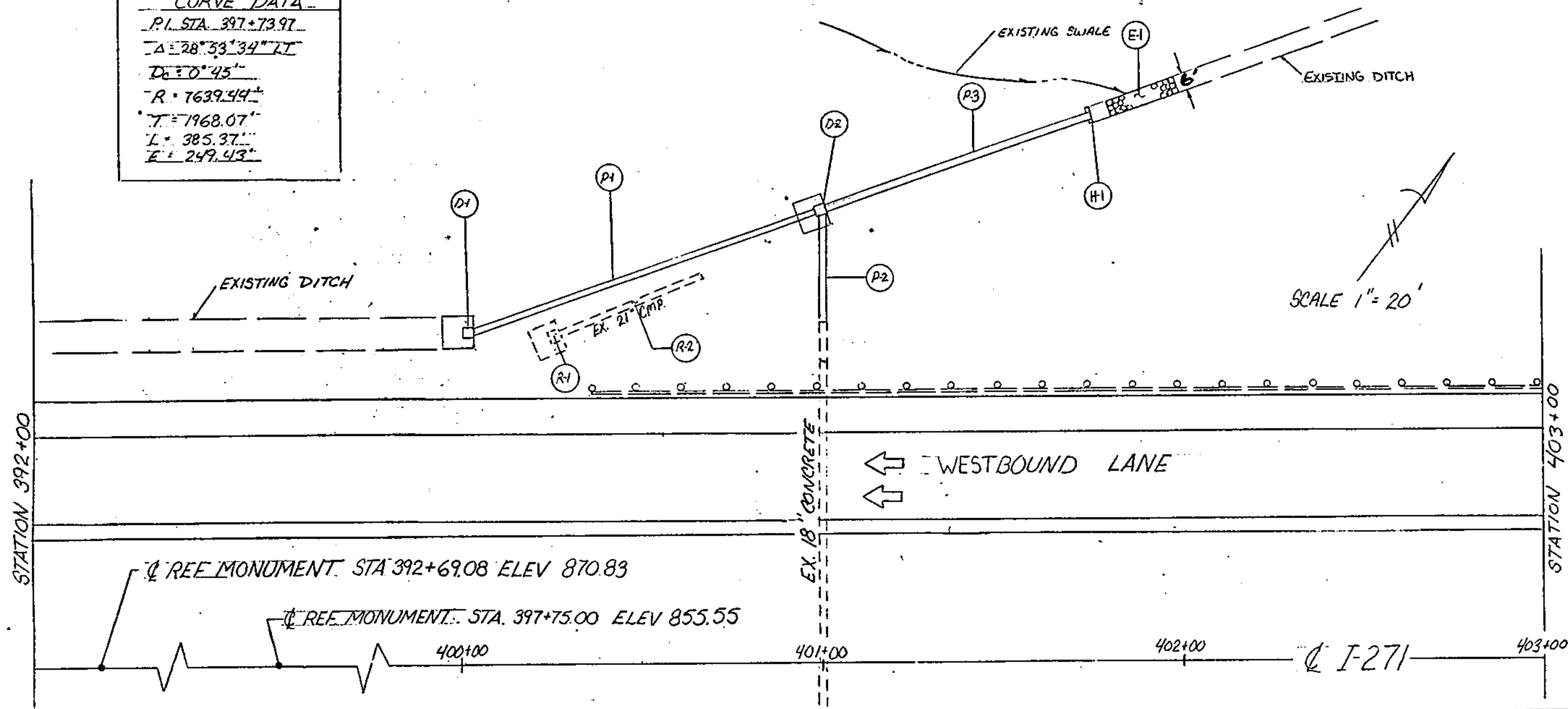
See plan note page no. 3 for special dike rounding. Excavation for the no. 4 catch basin shall include the area under and 6" beyond the limits of the apron. Backfill under Apron area shall conform to 310 subbase. Payment for all operations described above shall be included in the unit price bid for Catch Basin No. 4, as per plan.

ITEM 202 PIPE REMOVED, OVER 24" As Per Plan

Approximately 160 lin. ft. of 36" corrugated metal pipe will be found laying on the surface of the ground at the toe slope. As determined by the Engineer, any salvageable lengths or portions thereof, the contractor shall remove from this location to the top of slope behind the guardrail to be loaded on to State Vehicles for storage. Any un-salvageable lengths shall become the property of the Contractor and for his disposal as per 202.02. Payment for all operations described above shall be included in the unit price bid for Pipe Removed, over 24", As Per Plan.

Item 202 Pipe Removed, over 24", as per plan.....160 lin.ft.

CURVE DATA	
P.I. STA	397+73.97
Δ	28°33'34" LT
D_c	0°45'
R	7639.44'
T	1968.07'
L	385.37'
E	249.43'



FED. RD. DIVISION	STATE	PROJECT
5	OHIO	

37

SUM-271-7.50
PLAN NO: 409499

SUMMARY OF QUANTITIES

REF NO	STATION TO STATION	SIDE	402		501 P/R/PRAP #	501 SPR. CATCH T. 11.11	602 CATCH T. 11.11	603 CATCH T. 11.11	604 CATCH T. 11.11	670 DITCH PROTECTION
			402 CATCH T. 11.11	402 CATCH T. 11.11						
D-1	400+02	LT	404	401	401	401	401	401	401	401
D-2	401+00	LT								
R-1	400+23	LT	1							
R-2	400+23 - 400+67	LT		94						
R-1	400+02 - 401+00	LT						100		
R-2	401+00	LT					30			
R-3	400+02 - 401+75	LT						75		
R-1	401+75	LT			2.2		2.59			
E-1	400+80 - 402+00	LT			17.7					
	400+00 - 401+75	LT								160

ORIGINAL	NO. 1	DATE
SURVEY	BY	
PLOTTED	BY	
NOTE BOOK	BY	
AREAS	BY	
AREAS	BY	

DATE	
BY	
FINAL SURVEY	
REVISION	
NOTED	
NO. 1	

DATE	
BY	
ORIGINAL SURVEY	
REVISION	
NOTED	
NO. 1	

FED. RD. DIVISION	STATE	PROJECT
5	OHIO	

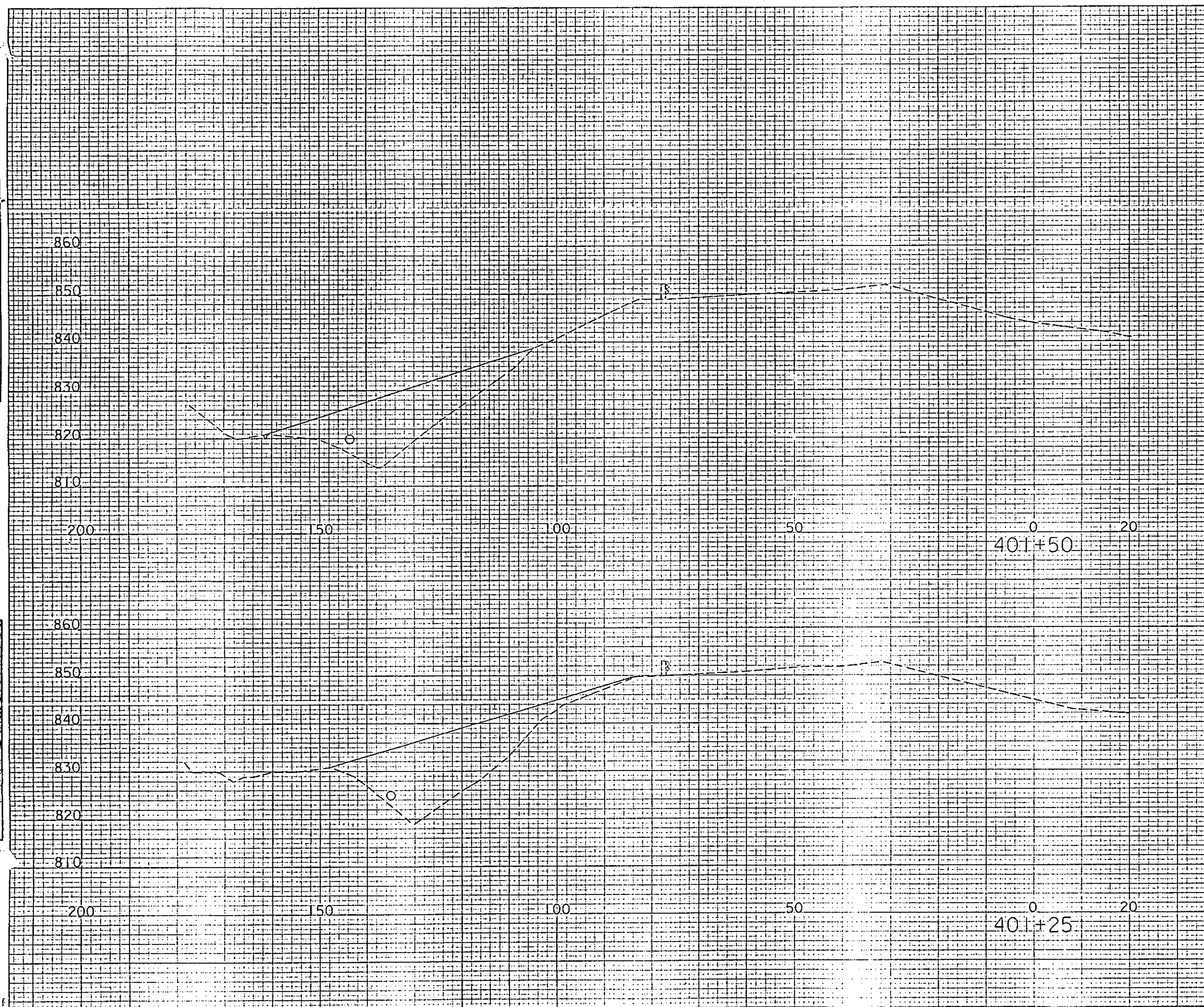
57

SUM: 271-7.50
PLAN NO: 4-D-9499

SEED AND MULCH
END WIDTH L.F. SQ. YDS.

END AREA
CUT FILL
FT. FT.
CUT FILL
CU. YD. CU. YD.

60		400	
176		404	
61		472	
171		493	



FINAL	DATE
SURVEY	
NOTED	
NO.	

ORIGINAL	DATE
SURVEY	
NOTED	
NO.	

FED. RD. DIVISION	STATE	PROJECT
5	OHIO	

67

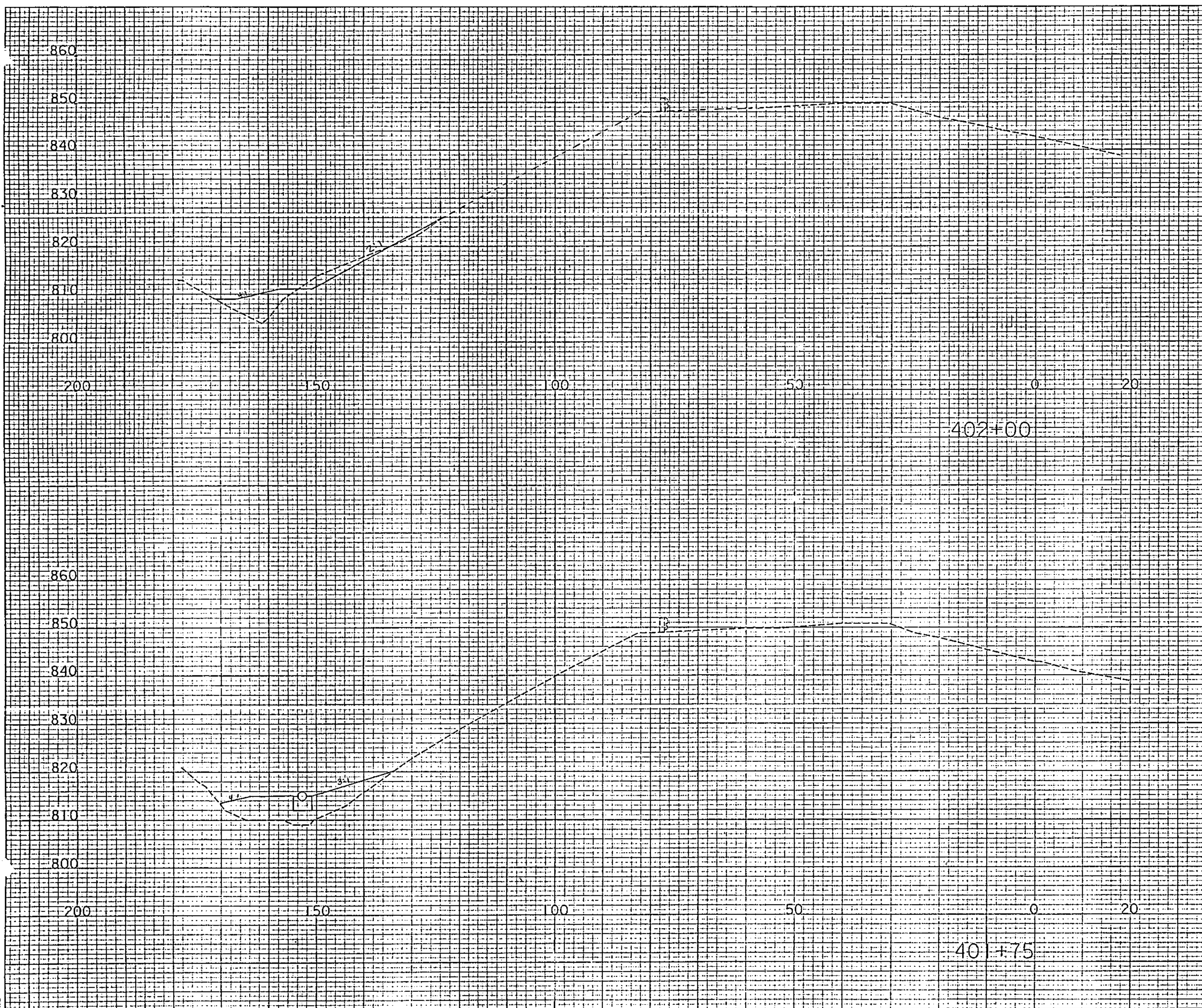
SUM-27-7.50
PLAN NO: 409499

SEED AND MUCK	END WIDTH X E	SO VDS
---------------	---------------	--------

CUT	ALL	CUT	FIN
FT	FT	CU YD	CU YD

50			
115			
33			

21	55		
16	85		
128			
245			



GENERAL SUMMARY

PLAN NO. 4D9499



ITEM	ITEM EXT.	PART 1		GRAND TOTAL	UNIT	DESCRIPTION
202	35201	160		160	Lin.ft.	Pipe removed, over 24", as per plan
202	35100	44		44	Lin.Ft.	Pipe removed, 24" and under
202	58100	1		1	Each	Catch Basin removed
203	11000	10		10	Cu.Yd.	Excavation including embankment construction
203	40000	1523		1523	Cu.Yd.	Borrow
207	50000	50		50	Cu.Yd.	Temporary Benches, Dikes, Dams, and Sediment Basins
207	70000	250		250	Each	Straw or Hay Bales
601	11000	2.2		2.2	Sq.Yd.	Riprap Using 6" Reinforced Concrete Slab
601	32000	11.8		11.8	Cu.Yd.	Rock Channel Protection, Type A, with filter
602	20000	.39		.39	Cu.Yd.	Concrete Masonry
603	07400	30		30	Lin.Ft.	18" Conduit, Type B, 706.02
603	07600	100		100	Lin.Ft.	18" Conduit, Type C, 707.16
603	09100	75		75	Lin.Ft.	21" Conduit, Type C, 707.16
604	01201	1		1	Each	Catch Basin, No. 4, as per plan
604	01600	1		1	Each	Catch Basin, No. 5
614	11000	Lump		Lump	Lump	Maintaining Traffic
623	10000	Lump		Lump	Lump	Construction Layout Stakes
624	10000	Lump		Lump	Lump	Mobilization
659	10000	752		752	Sq.Yd.	Seeding and Mulching
659	20000	.07		.07	Ton	Commercial Fertilizer
659	30000	.34		.34	Ton	Agricultural Liming
670	40000	160		160	Sq.Yd.	Ditch Erosion Protection

GENERAL SUMMARY