

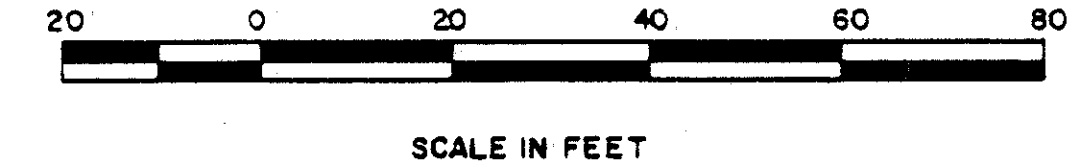
DRIVE DETAIL

F.R.A. REGION	STATE	PROJECT
5	OHIO	

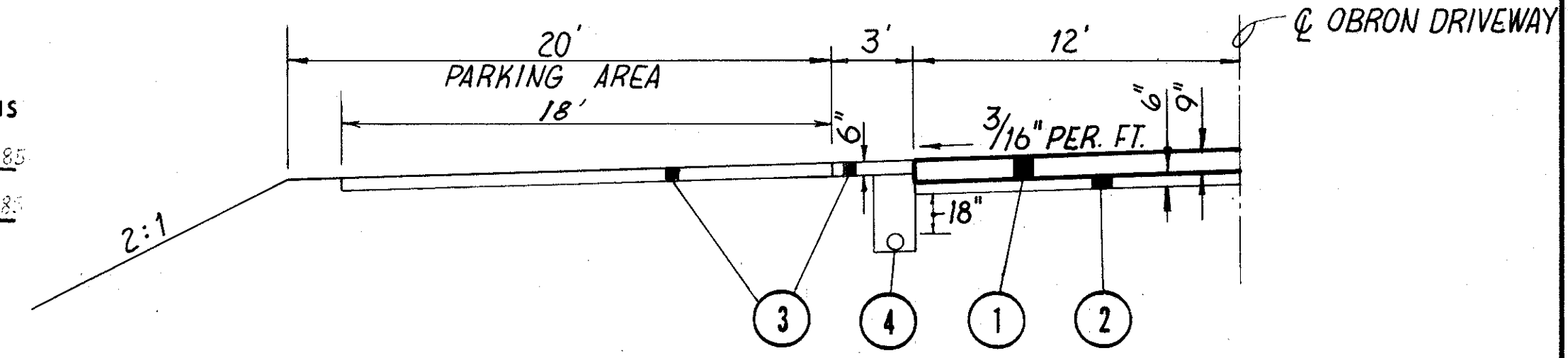
32
86

BENCH MARK
Top of Hydrant @ Corner of Fobes
Street & U.S. 20, Elev. 655.46

LAKE COUNTY
LAK-20-17.14



QUANTITY CALCULATIONS
BY C.E.R. DATE Sept. 1985
CHKD. J.M. DATE Sept. 1985
WOODRUFF, INC.



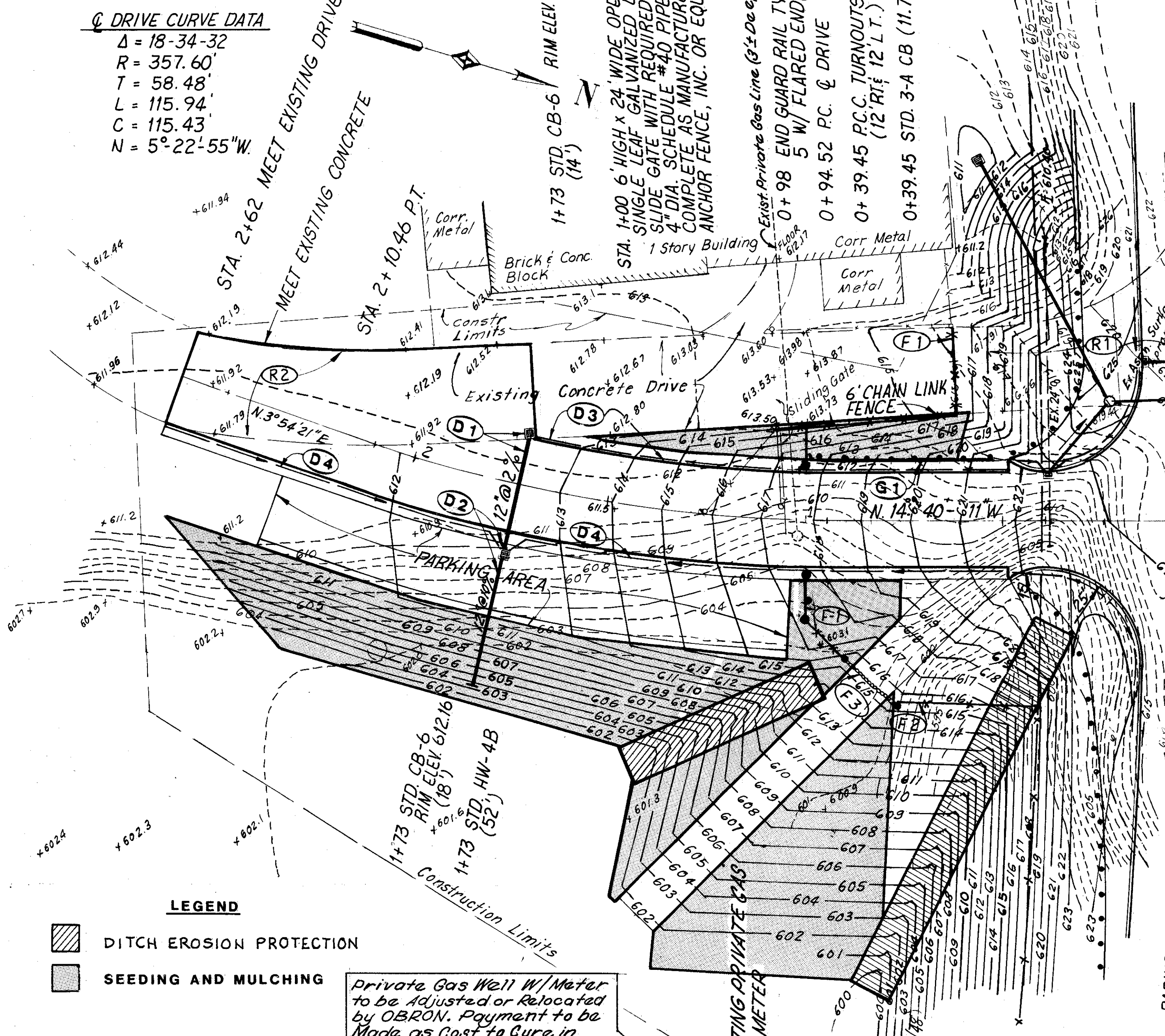
CURB TURNOUT DATA
Δ = 91-23-30
R = 25'
A = 39.88'
C = 35.78'

Δ = 36-52-12
R = 15'
A = 9.65'
C = 9.49'

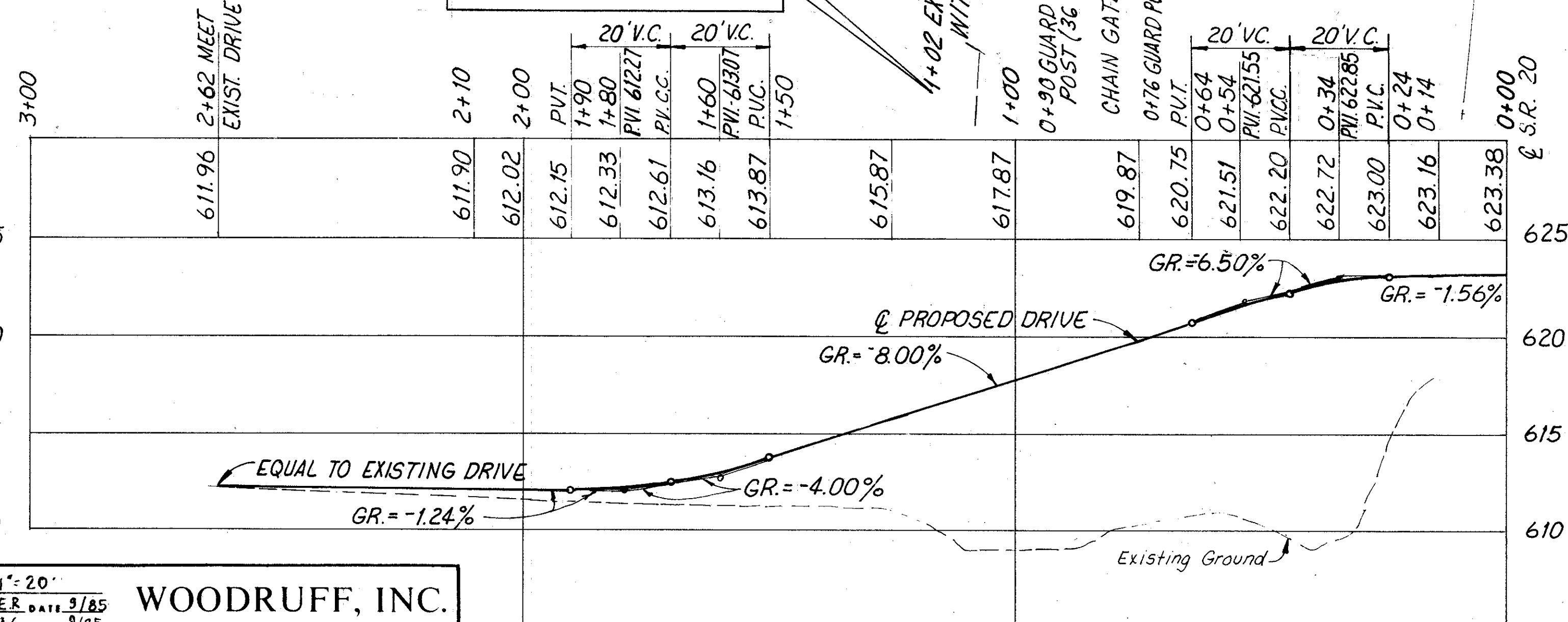
STA. 16+88 U.S. RT. 20
STA. 0+00 & DRIVE

LEGEND

REF. NO.	ITEM NO.	DESCRIPTION
①	451	9" REINFORCED PORTLAND CEMENT CONCRETE PAVEMENT
②	310	SUBBASE TYPE II
③	408	BITUMINOUS PRIME COAT
	409	SEAL COAT BITUMINOUS MATERIAL
	409	SEAL COAT COVER AGGREGATE NO. 8
	411	STABILIZED CRUSHED AGGREGATE
④	605	6" UNCLASSIFIED PIPE UNDERDRAINS
⑤	606	GUARD RAIL, TYPE 4



LEGEND
DITCH EROSION PROTECTION
SEEDING AND MULCHING



DRIVEWAY

REF. NO.	SIDE	STATION		202	602	603	603	604	604	605	606	607	607	606
		FROM	TO	PAVEMENT REMOVED	CONCRETE MASONRY	12" CONDUIT TYPE B	6" CONDUIT TYPE F	STD. NO. 6 MANHOLE AS PER PLAN	STD. NO. 6 C.B.	UNCLASSIFIED 6" PIPE UNDERDRAINS	GUARD RAIL, TYPE 4	FENCE TYPE CL, AS PER PLAN	GATE, AS PER PLAN	GUARD POST, AS PER PLAN
				SQ. YDS.	CU. YDS.	LIN. FT.	LIN. FT.	EACH	EACH	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH
G1	RT.	0+53	1+03								43.75			
D1	RT-LT.	1+73				32			1					
D2	LT.	1+73			0.2	34			1					
D3	RT.	0+40	1+65				10			120				
D4	LT.						20			220				
F1	RT.	0+61	1+00										1	
F2	LT.	0+40	1+00									36		
F3	LT.	0+83												2
R1	RT.	0+19	0+61	104										
R2	RT-LT.	1+72	2+62	240								263		
F-4	LT.	17+37	20+00											
TOTAL				344	0.2	66	30		2	340	43.75	299	1	2

SCALE 1" = 20'
MADE C.E.R. DATE 3/85
TRCD J.M.G. DATE 3/85
CRD. J.M. DATE 3/85
WOODRUFF, INC.
CONSULTING ENGINEERS
CLEVELAND OHIO