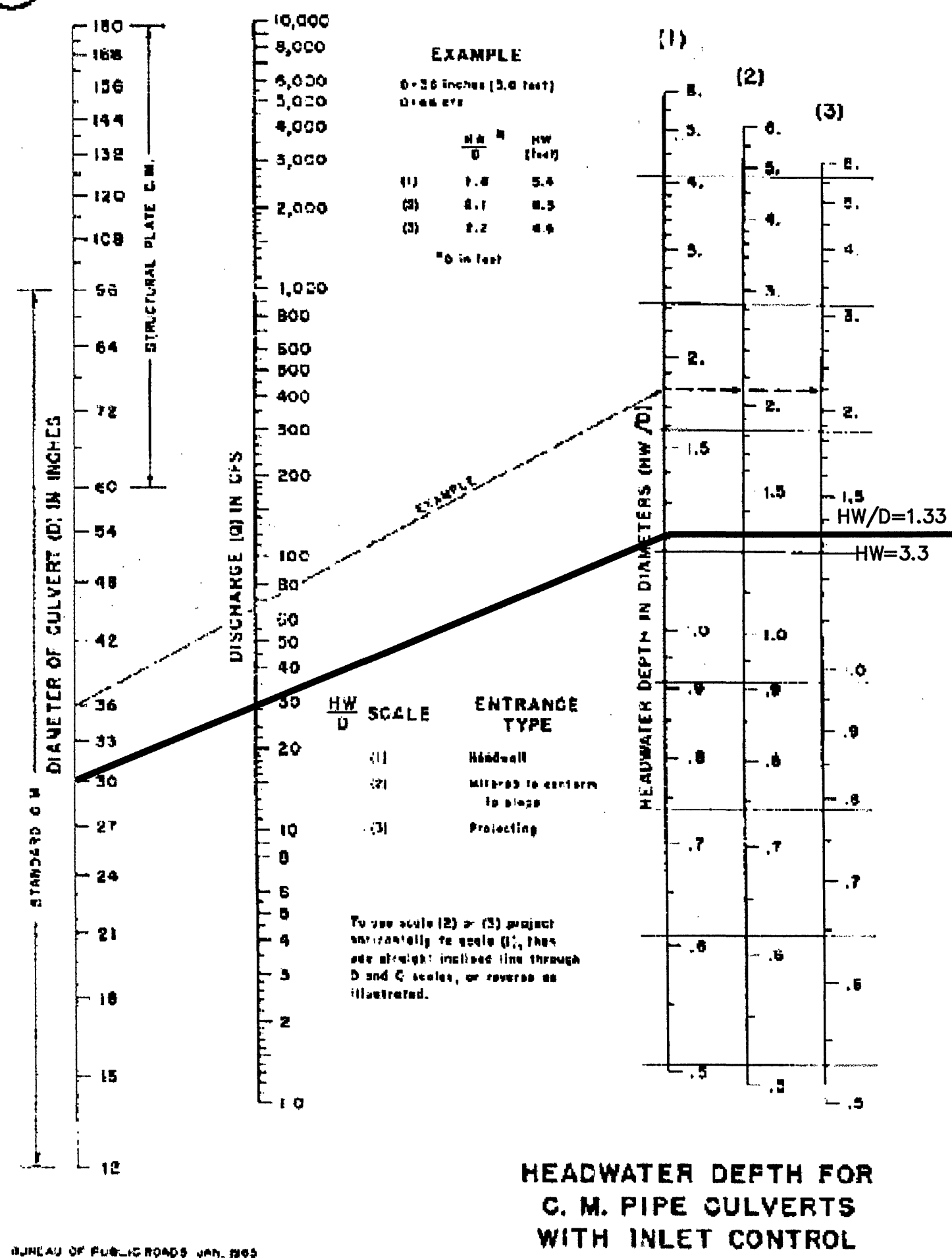


Appendix 8C-2 Inlet Control, Circular Corrugated Metal

CHART 2



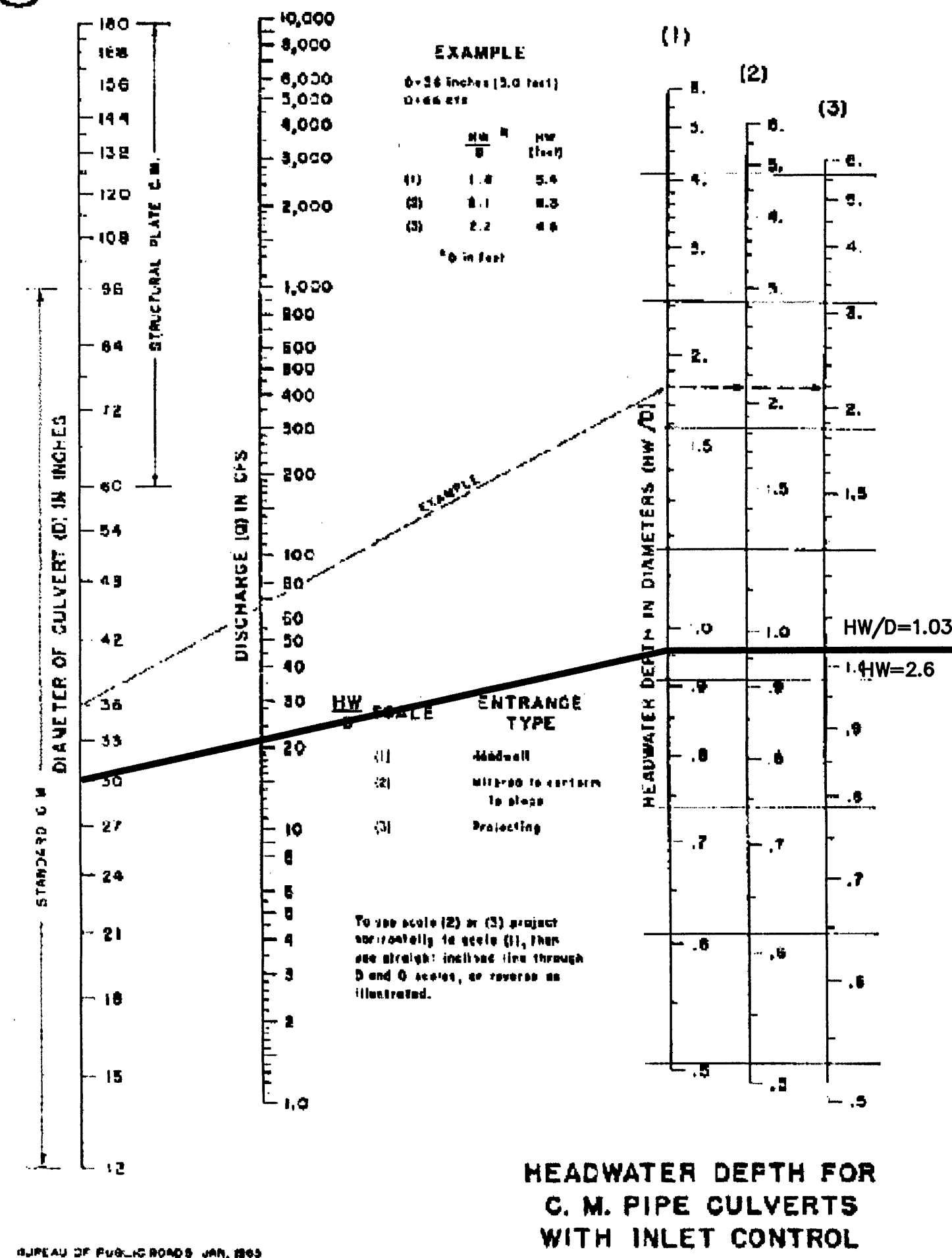
Source: HDS-5 CULVERT 4
 56" - 30" CMP
 INV IN: 941.20'
 HW: 944.50'
 SHOULDER: 946.00'

1 of 1

VDOT Drainage Manual

Appendix 8C-2 Inlet Control, Circular Corrugated Metal

CHART 2



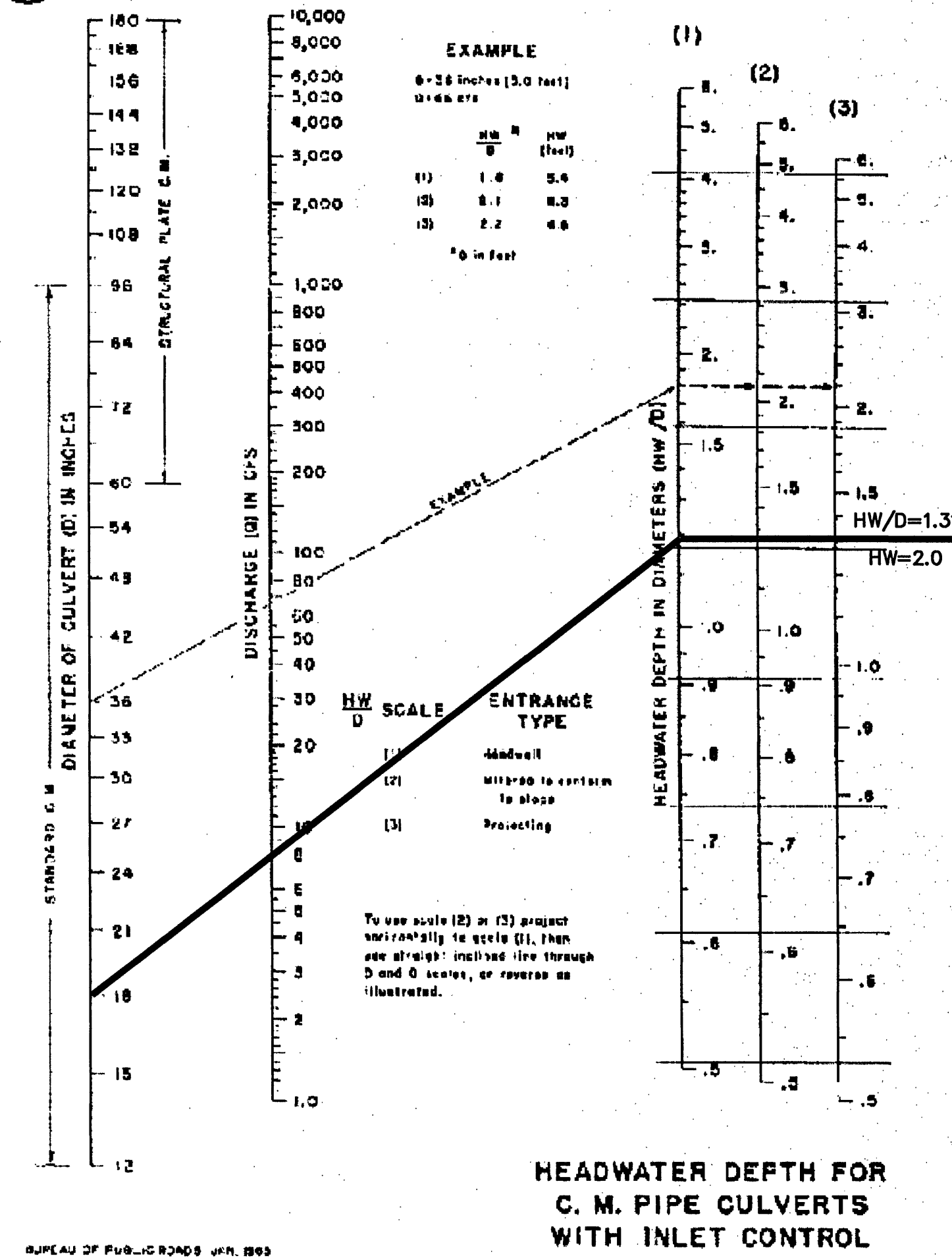
Source: HDS-5 CULVERT 5
 60" - 30" CMP
 INV IN: 960.00'
 HW: 962.60'
 SHOULDER: 964.00'

1 of 1

VDOT Drainage Manual

Appendix 8C-2 Inlet Control, Circular Corrugated Metal

CHART 2



Source: HDS-5 CULVERT 6
 50" - 18" CMP
 INV IN: 972.70'
 HW: 974.70'
 SHOULDER: 976.50'

1 of 1

VDOT Drainage Manual

PARCEL NUMBER	AREA (ACRES)	GRASS (ACRES)	"C"	BLDG/PVT (ACRES)	"C"	"C"	OVERLAND FLOW						CHANNEL FLOW						TWO YEAR STORM					10 YEAR STORM					25 YEAR STORM					100 YEAR STORM					
							LENGTH	BEGIN ELEV	END ELEV	SLOPE	"C"	"TC" MIN.	LENGTH	BEGIN ELEV	END ELEV	DIFF	"TC" MIN.	TOTAL "TC"	"B"	"D"	"E"	"I"	"Q"	"B"	"D"	"E"	"I"	"Q"	"B"	"D"	"E"	"I"	"Q"	"B"	"D"	"E"	"I"	"Q"	
																				54.24	11.50	0.85	IN/HR	CFS	48.34	10.00	0.74	IN/HR	CFS	38.91	7.75	0.65	IN/HR	CFS	30.77	5.00	0.55	IN/HR	CFS
CULVERT 4: AREA 15 THRU AREA 32																																							
	7.827	4.051	0.35	3.776	0.95	0.64	200	988	974	0.070	0.90	3.8	825	974	946	28	5.3	9.1				4.1	20.73				5.4	27.26			6.2	31.04			7.2	35.91			
CULVERT 5: AREA 33 THRU AREA 38																																							
	5.882	1.952	0.35	3.930	0.95	0.75	200	985	980	0.025	0.90	4.7	930	980	965	15	7.7	12.3				3.7	16.18				4.9	21.44			5.5	24.46			6.4	28.31			
CULVERT 6: AREA 39 THRU AREA 42																																							
	2.672	1.488	0.35	1.089	0.95	0.58	200	985	982	0.015	0.90	5.1	460	982	978	4	5.7	10.9				3.9	6.01				5.1	7.94			5.8	9.05			6.7	10.47			

CULVERT COMPUTATIONS
 LAKEWATCH DRIVE (EXTENSION)
 SECOND WATCH DRIVE
 COMMERCIAL LOT C-27

AT
LAKEWATCH PLANTATION
 PLANNED COMMERCIAL DEVELOPMENT
 DEVELOPED BY: LAKE WATCH, L.L.C.
 GILLS CREEK MAGISTERIAL DISTRICT
 FRANKLIN COUNTY, VIRGINIA
 JOB NO 21-04
 MAY 15, 2007
 SHEET 7 OF 32

