COLUMBIA

ELECTION DISTRICT 5

VILLAGE OF WILDE LAKE

SECTION 3

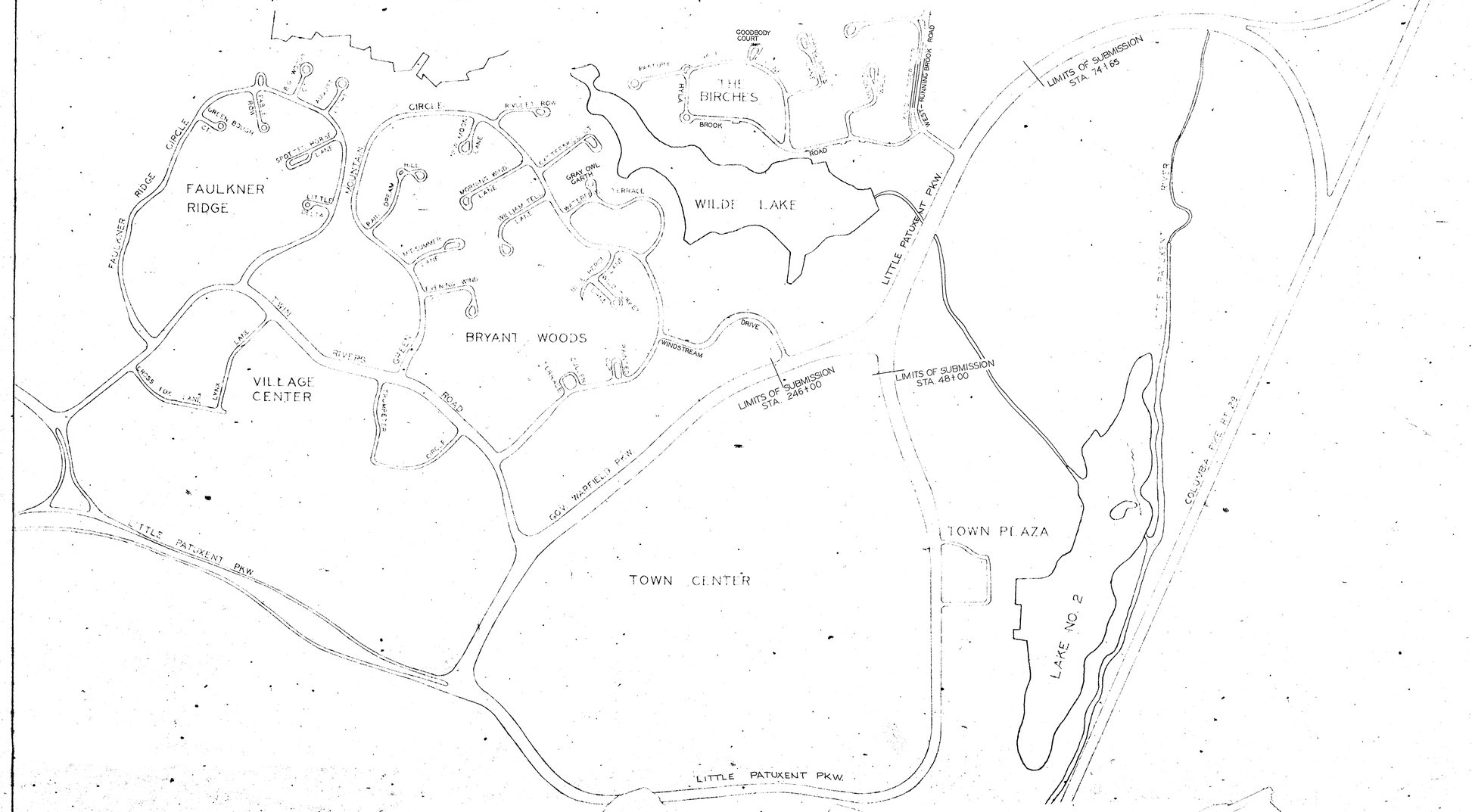
WILDE LAKE AND PORTOFINO

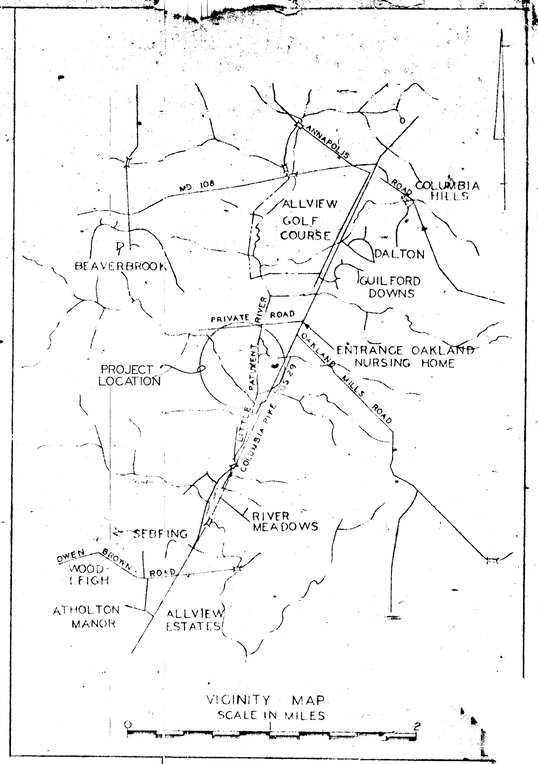
HOWARD RESEARCH & DEVELOPMENT CORP.

VILLAGE OF CROSS KEYS BALTIMORE, MARYLAND 21210

HOWARD COUNTY, MARYLAND

JANUARY 1967





VICINITY MAP
SCALE IN MILES

INDEX

DESCRIPTION	STREET NAME	DRAWING NO
TITLE		1
DETAILS	TYPICAL SECTIONS	2 & 3
PLAN & PROFILE	LITTLE PATUXENT PARKWAY	4, 5 & 6
PLAN & PROFILE	GOV. WARFIELD PARKWAY	7
PLAN & PROFILE	WINDSTREAM DRIVE	8
DETAILS	DRAINAGE	9
PROFILES	DRAINAGE	10, 11 & 12

APPROVED BY

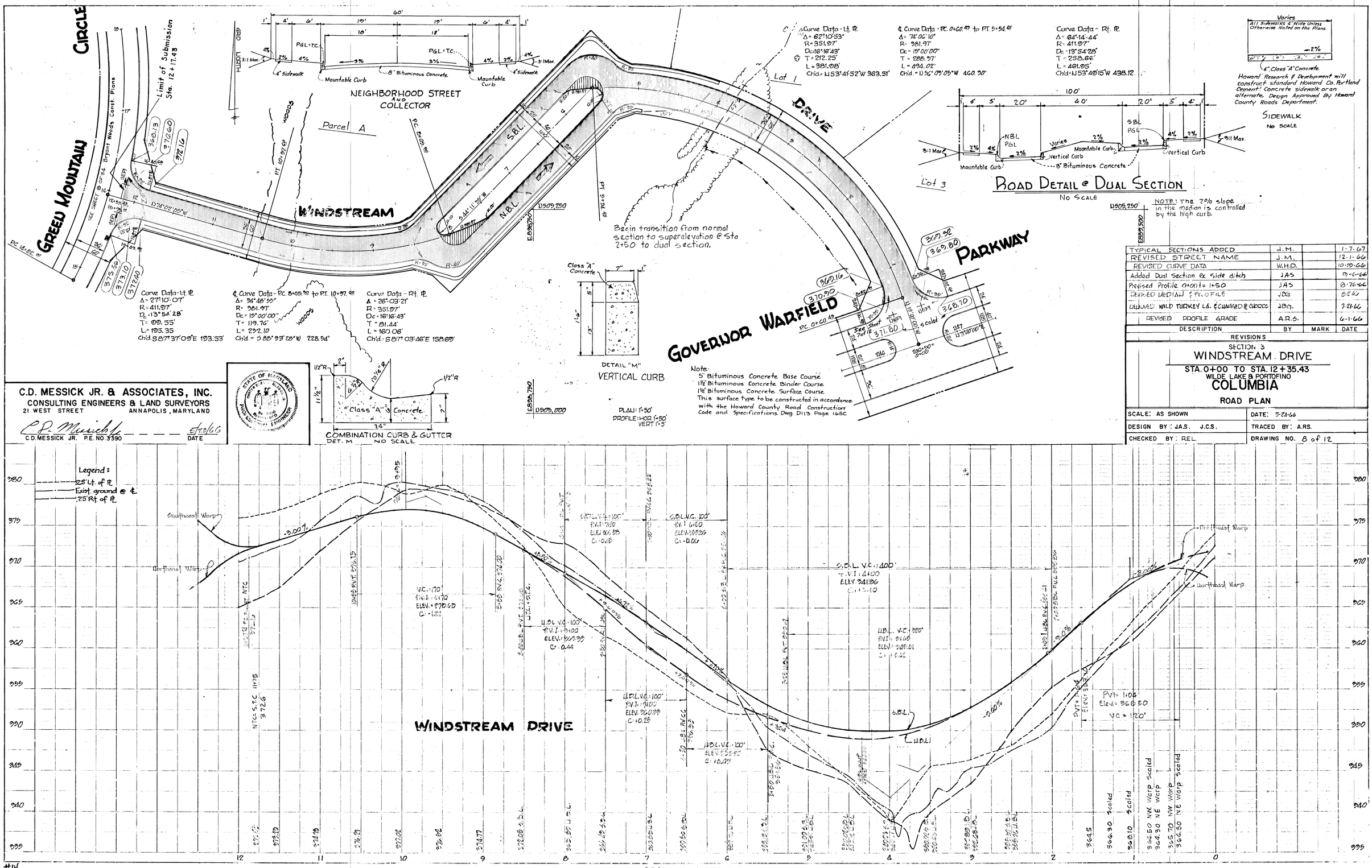
HOWARD COUNTY PLANNING COMMISSION — SENIOR ENGINEER — DATE 2-2-67

HOWARD COUNTY ROAD DEPARTMENT — ROAD SUPT. — DATE 2-2-67

HOWARD COUNTY METROPOLITIAN COMMISSION — CHIEF ENGINEER — DATE 6-19-67

RUMMEL, KLEPPER AND KAHL
CONSULTING ENGINEERS
BALTIMORE, MARYLAND
SHEETS 2 TO 7, 9 TO 11

C.D. MESSICK, JR. & ASSOCIATES
CONSULTING ENGINEERS & LAND SURVEYORS
21 WEST STREET ANNAPOLIS
SHEETS 8 & 12



TYPICAL SECTIONS ADDED	J.M.		1-7-67
REVISED STREET NAME	J.M.		12-1-66
REVISED CURVE DATA	W.H.D.		10-19-66
Added Dual Section & Side ditch	JAS		9-6-66
Revised Profile 0+00 to 1+50	JAS		8-26-66
REVISED MEDIAN & PROFILE	JBG.		8-2-66
REMOVED WILD TURKEY LA. & CHANGED PL CHORDS	JBG.		7-21-66
REVISED PROFILE GRADE	A.R.S.		6-1-66
DESCRIPTION	BY	MARK	DATE

REVISIONS

SECTION 3

WINDSTREAM DRIVE

STA. 0+00 TO STA. 12+35.43

WILDE LAKE & PORTOFINO

COLUMBIA

ROAD PLAN

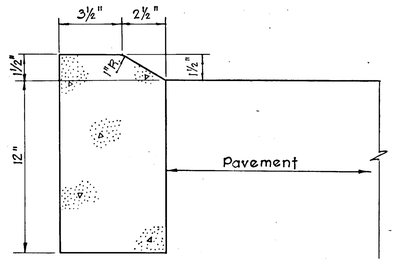
SCALE: AS SHOWN	DATE: 5-24-66
DESIGN BY: J.A.S. J.C.S.	TRACED BY: A.R.S.
CHECKED BY: REL.	DRAWING NO. 8 of 12

C.D. MESSICK JR. & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
21 WEST STREET ANNAPOLIS, MARYLAND

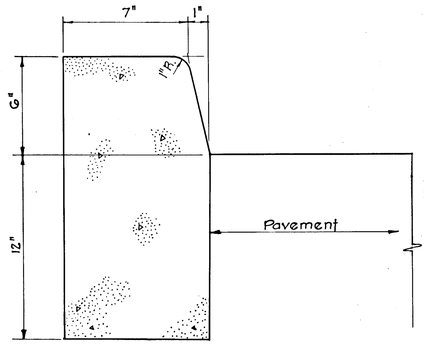
C.D. MESSICK JR. P.E. NO. 3390 — DATE 5/23/66

STATE OF MARYLAND — PROFESSIONAL ENGINEER

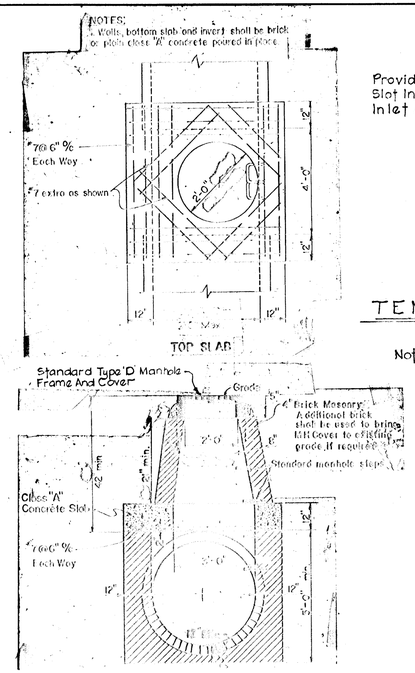
#14



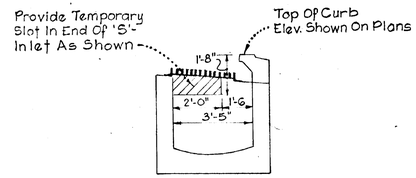
DETAIL
CONCRETE CURB ~ TYPE A
Scale: 3" = 1'-0"



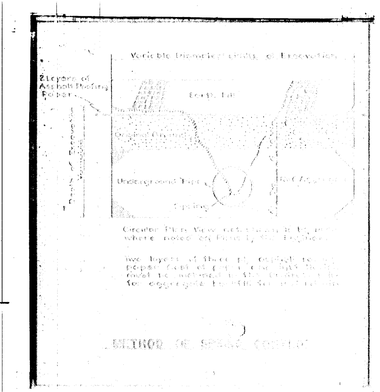
DETAIL
VERTICAL CONCRETE CURB
TYPE B
Scale: 3" = 1'-0"

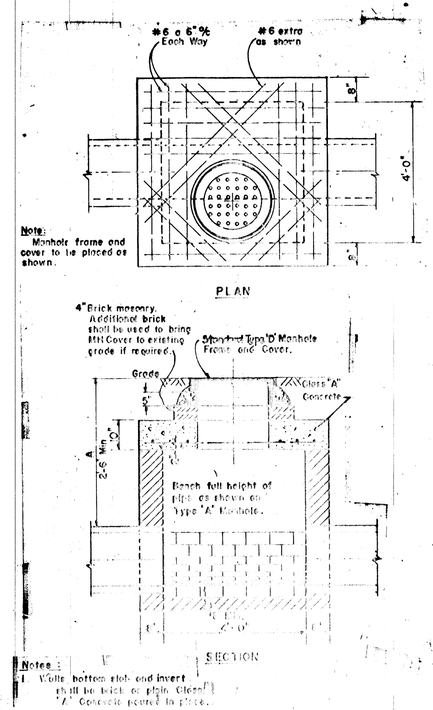


DETAIL
TYPE 'C' MANHOLE

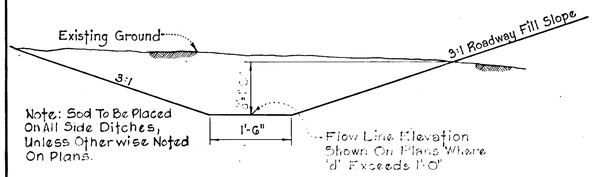


TEMPORARY DRAINAGE SLOT
'S'-INLETS
Note: To Be Constructed Where Noted On Plans

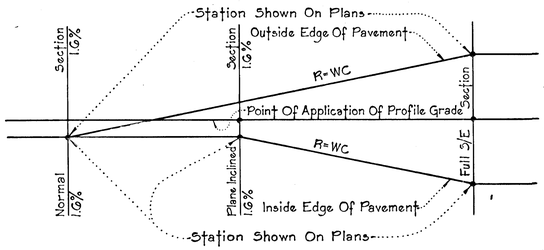




DETAIL
TYPE 'B' MANHOLE



DETAIL
SIDE DITCH
Scale: 3/4" = 1'-0"

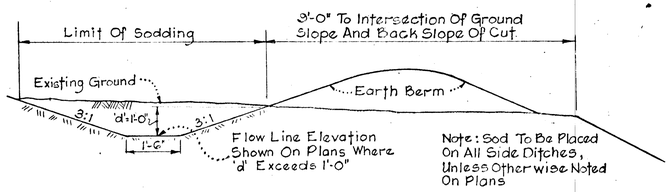


W: Width Of Pavement.

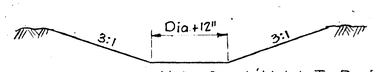
R: Rate Of Change Of A Given Point On The Pavement With Respect To The Point Of Application Of Profile Grade.

C: 0.0002 ft. per ft. Except For The Transitions Between Station 28+95 And Station 43+21.67, Which Are 0.00015 ft. per ft.

DETAIL
SUPERELEVATION TRANSITION

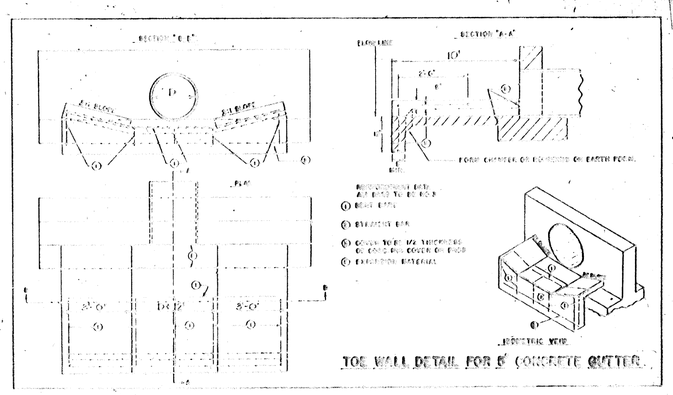


DETAIL
BERM DITCH



Note: Seed & Mulch To Be Placed On All Inlet & Outlet Ditches Unless Otherwise Noted On Plans

TYPICAL CHANNEL CONSTRUCTION
(INLET AND OUTLET DITCHES)

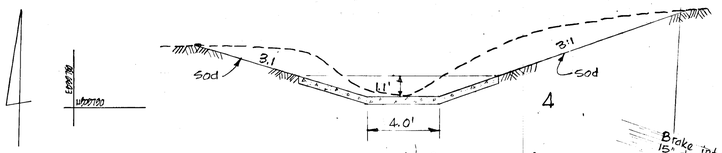


CHANNEL PROTECTION
AT CULVERTS
Note: To Be Constructed Where Noted On Plans

Revised Sheet Number	1/10/67
Manhole & Curb Type	8/22/66

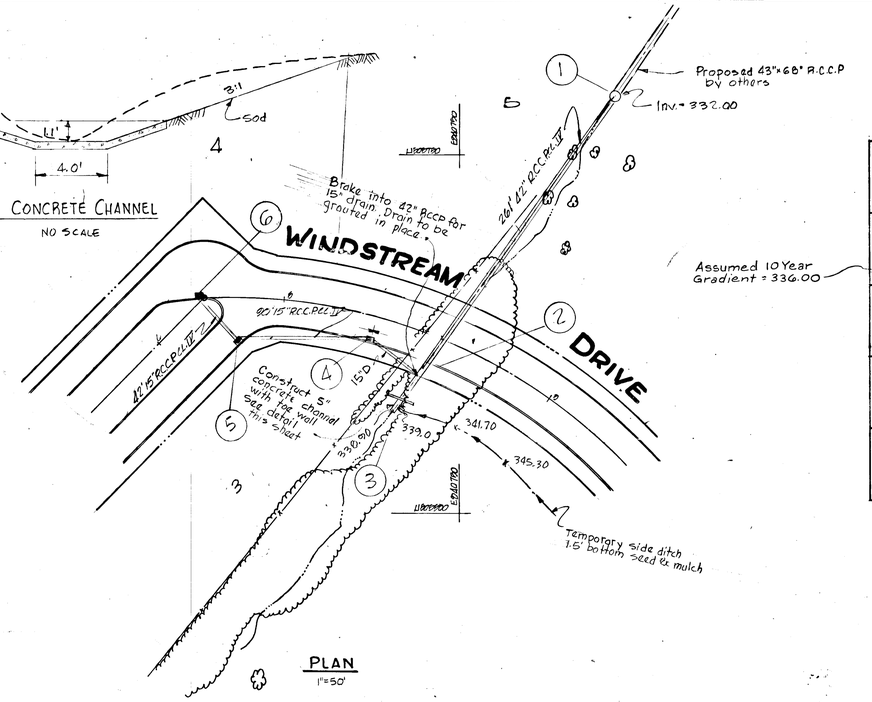
RUMMEL, KLEPPER & KAHL
CONSULTING ENGINEERS
BALTIMORE, MARYLAND

#114



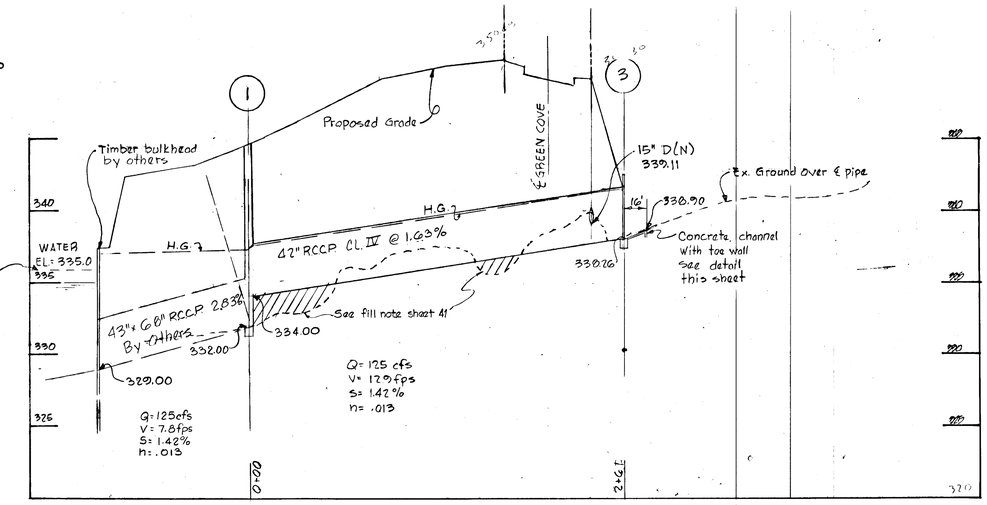
CONCRETE CHANNEL

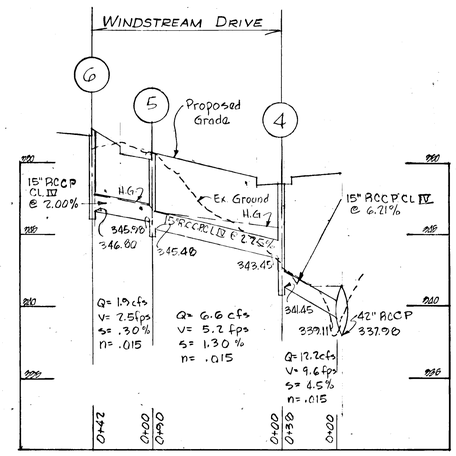
NO SCALE



PLAN

1"=50'





PROFILE

Hor: 1"= 50'
Ver: 1"= 5'

STORM DRAIN STRUCTURE SCHEDULE

NO.	TYPE	LOCATION	T.C. ELEV.	INV. IN	INV. OUT	REMARKS
6	Mod. "S" Comb. Single Gr-Und.	Rt. - Sta. 5+54.45	351.49		346.60	See Detail Sheet 22
5	"S" Comb. Dbl. Grate - Depr.	Lt. - Sta. 5+60	350.75	345.98	345.48	Ho. Co. Road Code Pa. 157
4	Mod. "S" Comb. Single Grate Unf.	Lt. - Sta. 4+34.67	349.08	343.45	341.45	See Detail Sheet 22
3	"C" End w/ al	Lt. Sta. 3+97	342.76		338.26	Ho. Co. Road Code Pa. 107
2	Cut-In	Lt. Sta. 3+95				
1	Special Manhole	See Plan		334.00	332.00	See detail - Sht. 22 of 34

C.D. MESSICK JR. & ASSOCIATES, INC.
CONSULTING ENGINEERS & LAND SURVEYORS
21 WEST STREET ANNAPOLIS, MARYLAND
RUSSELL E. LOWMAN L.S. NO. 3947 9-8-66 DATE

REVISIONS			
REVISED SHEET NUMBER	J.M.		1-10-67
REVISED STREET NAME	J.M.		12-1-66
GENERAL STORM DRAIN REVISIONS	JAS		10-17-66
DESCRIPTION	BY	MARK	DATE

VILLAGE OF WILDE LAKE

SECTION 3
WILDE LAKE & PORTOFINO

COLUMBIA

SYSTEM "N"
STORM DRAIN

SCALE: As shown	DATE: NOV., 1966
DESIGNED BY: JAS	TRACED BY: JAS
CHECKED BY:	DRAWING NO. 12 of 12

#19