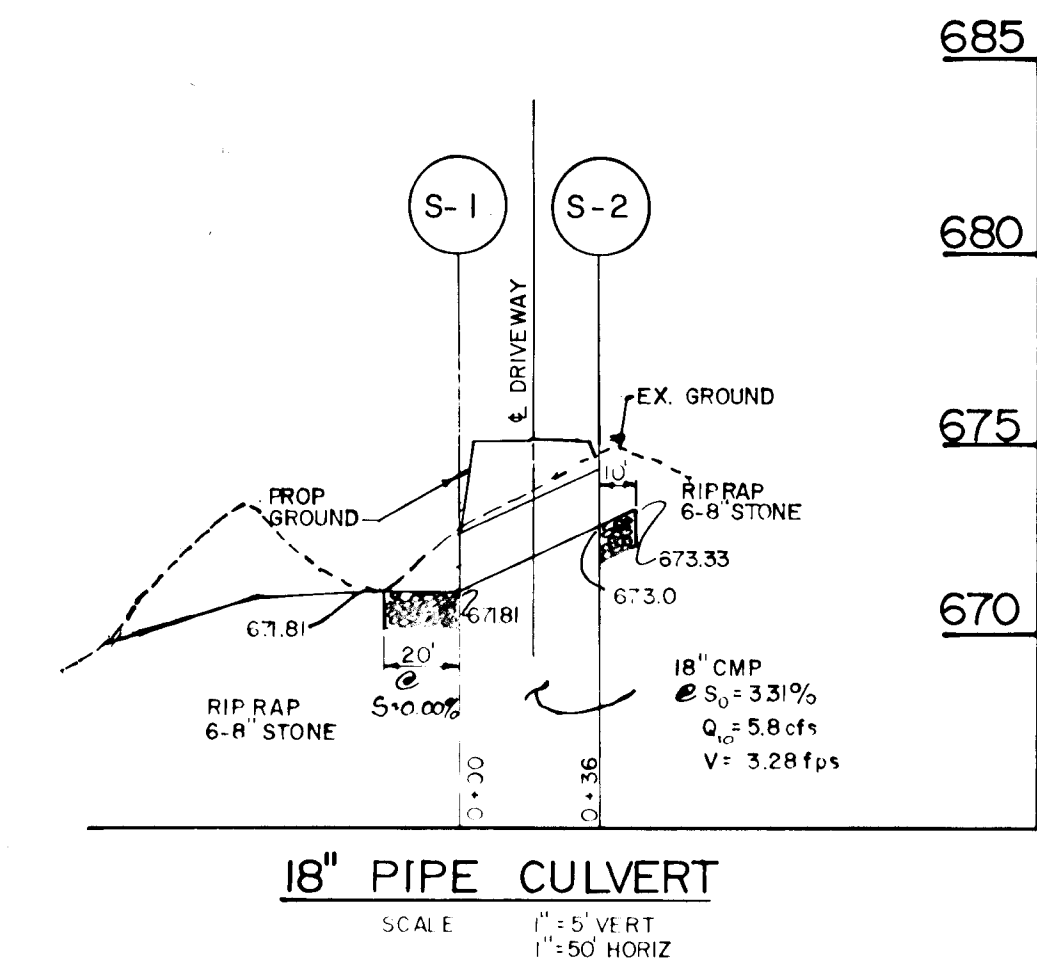
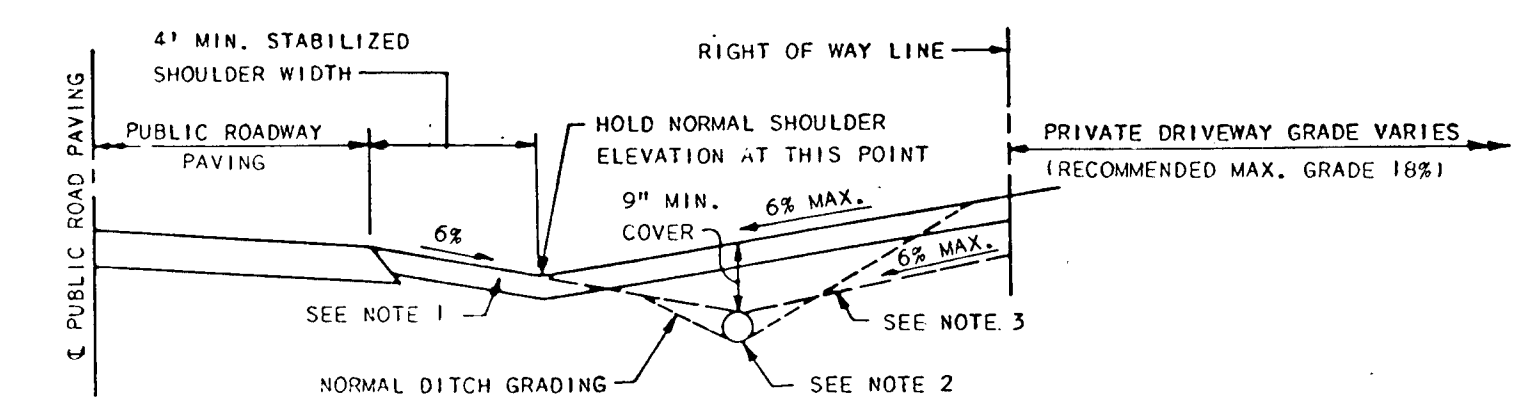


NOTE:
TOPO FROM
FIELD SURVEY



18" PIPE CULVERT
SCALE: 1" = 5' VERT
1" = 50' HORIZ

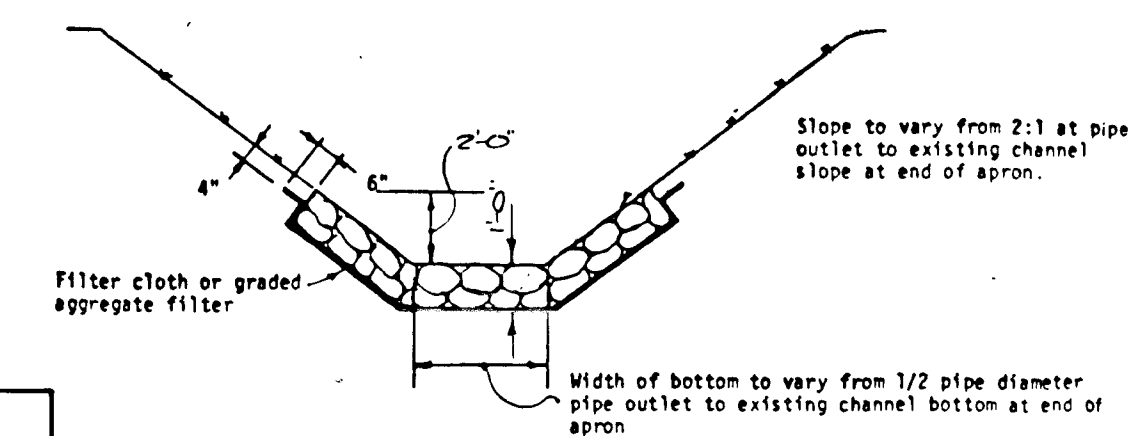


1. DRIVEWAY MUST BE PAVED FROM EDGE OF PUBLIC ROAD TO RIGHT OF WAY LINE USING STANDARD PAVING SECTION P-1 AS SHOWN ON ST'D. NO. OR ALTERNATE SECTION EQUAL TO OR BETTER THAN P-1, AS APPROVED BY D.P.W.
2. DRAINAGE CULVERT SHALL BE SIZED FOR A 10 YEAR FREQUENCY STORM AND THE MINIMUM SIZE SHALL BE 12" DIA. ROUND OR 14" x 9" ARCH PIPE IF LARGER PIPE IS REQUIRED. DITCH INVERT SHALL BE LOWERED TO PROVIDE MIN. DITCH GRADIENT OF 0.5% AND CLEARANCE SHOWN.
3. SWALE FLOW MAY BE PROVIDED OVER DRIVEWAY LOCATED AT OR NEAR THE CREST OF VERTICAL CURVES ON THE PUBLIC ROAD WHERE QUANTITY OF FLOW IS SMALL, AS APPROVED BY D.P.W.

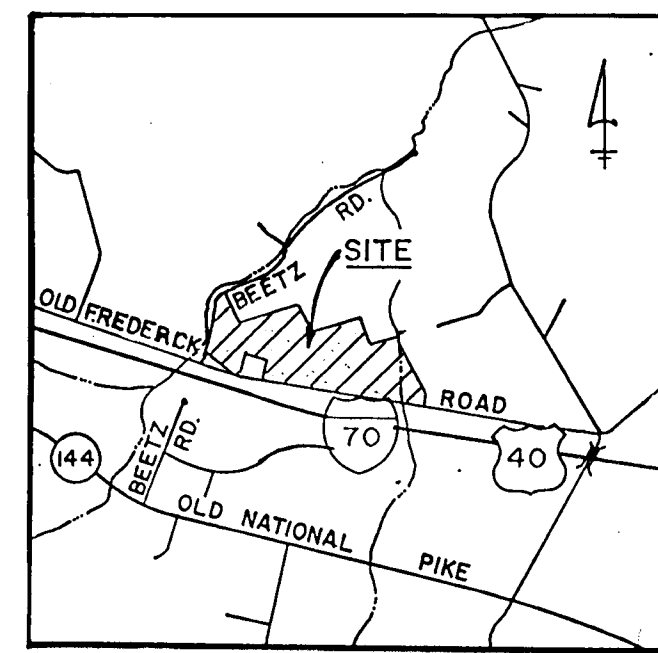
NOTE: AS-BUILT TO PLAN BY HOWARD COUNTY, 6-7-88

STRUCTURE SCHEDULE

NO.	TYPE	INV.	IN	OUT	LOCATION	REMARKS
S-1	MES	671.81			SEE PLAN & PROFILE	SHA. MD 370.01
S-2	MES	673.36			SEE PLAN & PROFILE	SHA. MD 370.01



SECTION AA
SEE SCSDetail 20.00



VICINITY MAP
SCALE: 1" = 2000'

HUNTSMAN'S RIDGE
RESIDENTIAL DRIVEWAY DETAIL
LOTS 1-4

JOHN E. HARMS JR. AND ASSOCIATES INC.
CONSULTING ENGINEERS - ARCHITECTS - SURVEYORS

9030 RED BRANCH ROAD SUITE 100
COLUMBIA, MARYLAND 21045 TELEPHONE 13011740-5200

NO.	REVISION	BY	DATE

DESIGNED BY: E.C.M.
DRAWN BY: J.J.T.
CHECKED BY: W.N.
DATE: 4/24/87
SCALE: AS SHOWN
W.O. NO. 41-86-008A

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

CHIEF, LAND DEVELOPMENT DIVISION DATE: 7-5-87

CHIEF, BUREAU OF HIGHWAYS DATE: 9/4/87

CHIEF, BUREAU OF ENGINEERING DATE: 9-4-87

APPROVED: OFFICE OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE: