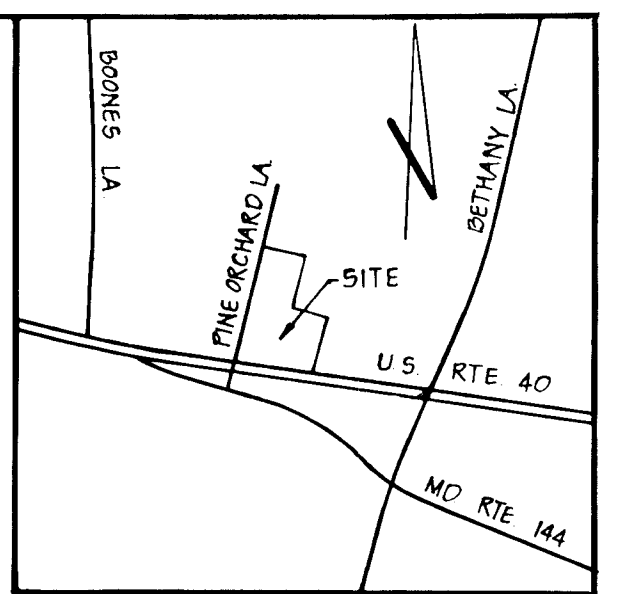


NOTE: Individual Storm Water Management should be provided for each lot upon their development.



VICINITY MAP SCALE 1"=1200'



Rodolph Mayt
8-12-81

AS-BUILT 5-24-85

OWNER & DEVELOPER

HOWARD ASSOCIATES
% DALE MAISEL
12100 FOLLY QUARTER RD
ELLICOTT CITY, MD 21045

NOTE: ALL CONSTRUCTION TO BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME IX STANDARD SPECIFICATIONS AND DETAILS.

DATE	
BY	
NO.	
PLAN	
NO.	

DEVELOPER'S CERTIFICATE
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT ON THEIR AUTHORIZED ASSETS, AS NECESSARY.

DEVELOPER: *Howard Associates* DATE: 8-14-81

ENGINEER'S CERTIFICATE
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

ENGINEER: *Rodolph Mayt* DATE: 8-12-81

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

Ray J. Reber DATE: 10-6-81
U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

William T. Rose DATE: 10-6-81
HOWARD SOIL CONSERVATION DISTRICT

BENCH MARK

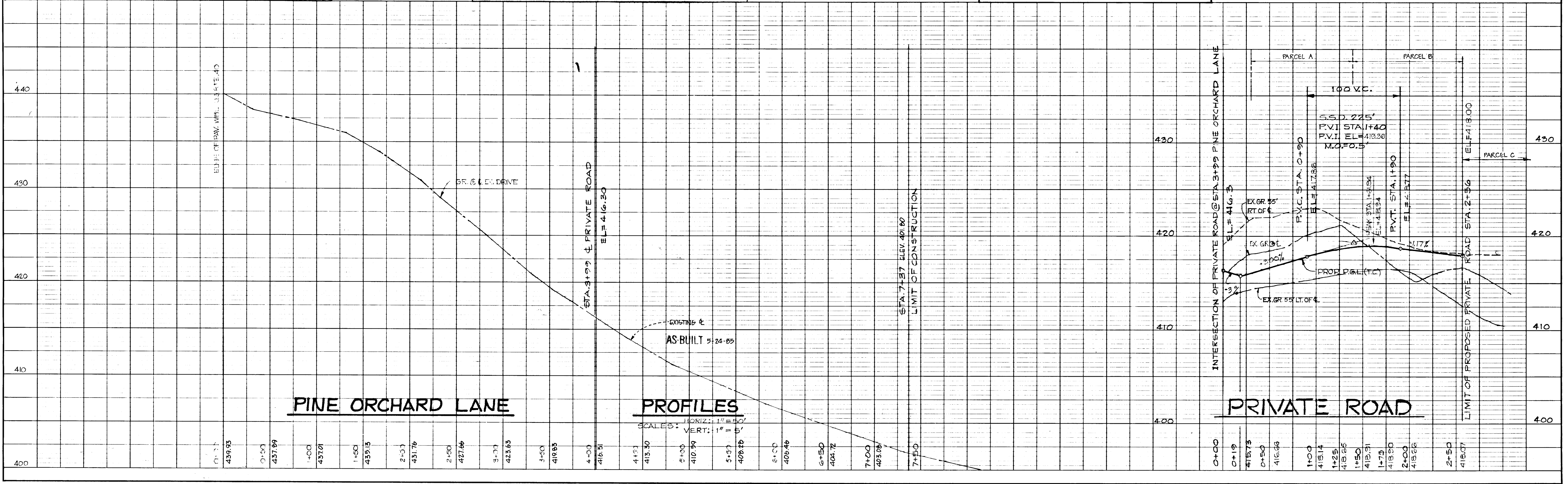
HO CO CONTROL STA 3241001, ELEV = 388.648
CONC. MON. AT SURFACE 0.33' NORTH OF EDGE
US. RTE 40 EBL AND 21' EAST OF EDGE OF
CROSSOVER AT ENCHANTED FOREST.

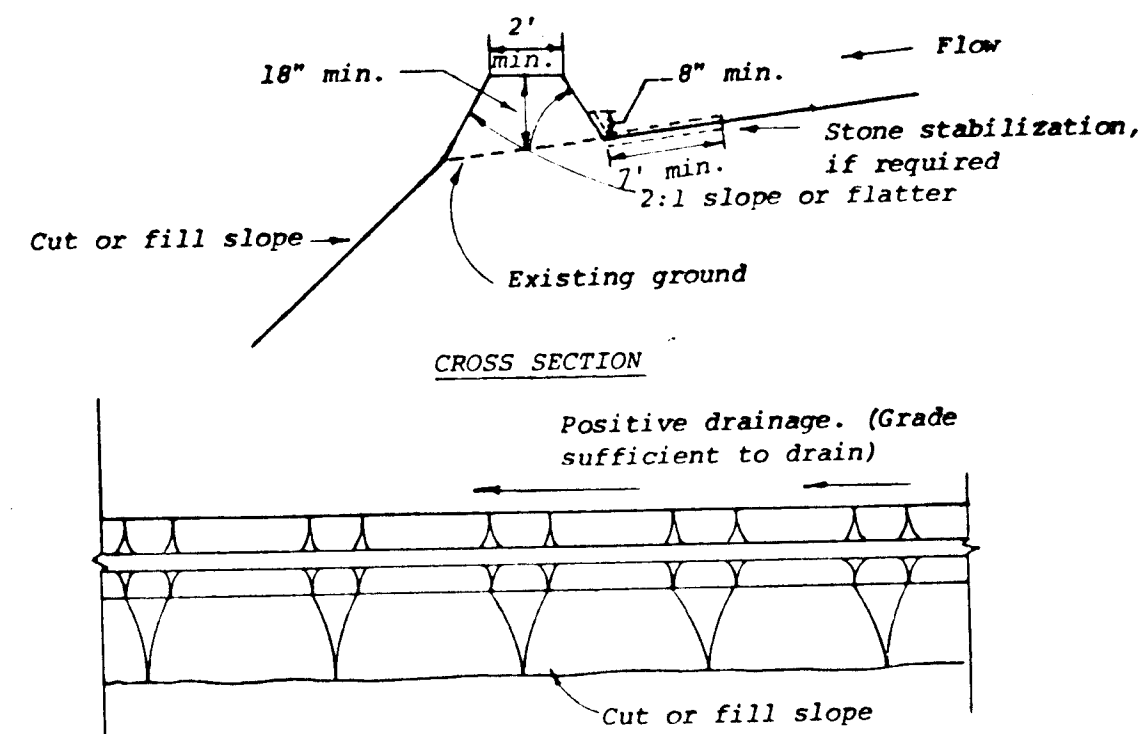
APPROVED DEPARTMENT OF PUBLIC WORKS
Greg S. Poirer DATE: 10-15-81
CHIEF, BUREAU OF ENGINEERING

APPROVED OFFICE OF PLANNING AND ZONING
John M. Muesel DATE: 10-9-81
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

PINE ORCHARD LANE			
PINE ORCHARD PARK, SECTION I			
PROJECT	2ND ELECTION DISTRICT	HOWARD COUNTY, MARYLAND	
DATE	AUGUST, 1981	DESIGN BY	R.L.M.
SCALE	AS SHOWN	JOB NO.	81023
		DRAWING NO.	1 OF 2
		CHECKED BY	R.L.M.
boender associates		engineers/surveyors/planners	
BALTIMORE 301 465 7777 • SALESBURY 301 749 1286			

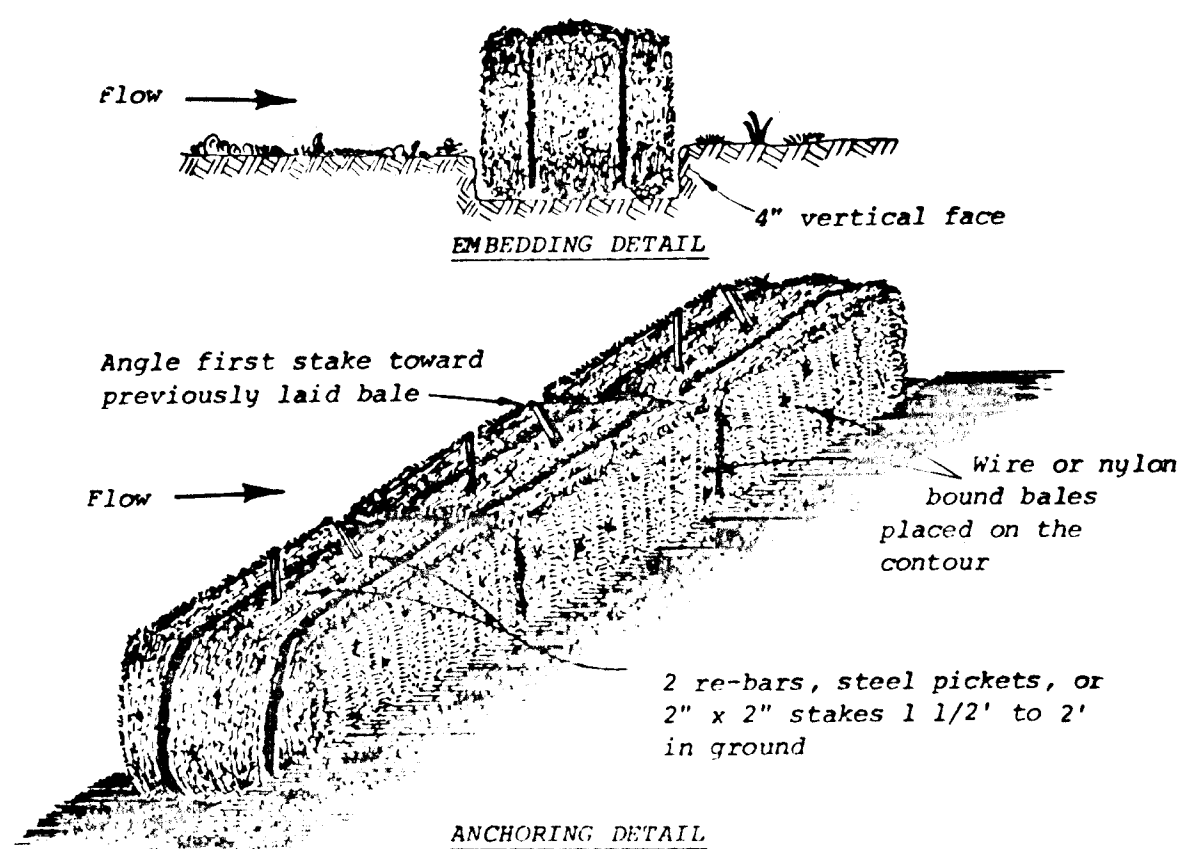
DATE	
BY	
NO.	
PROFILE	
NO.	





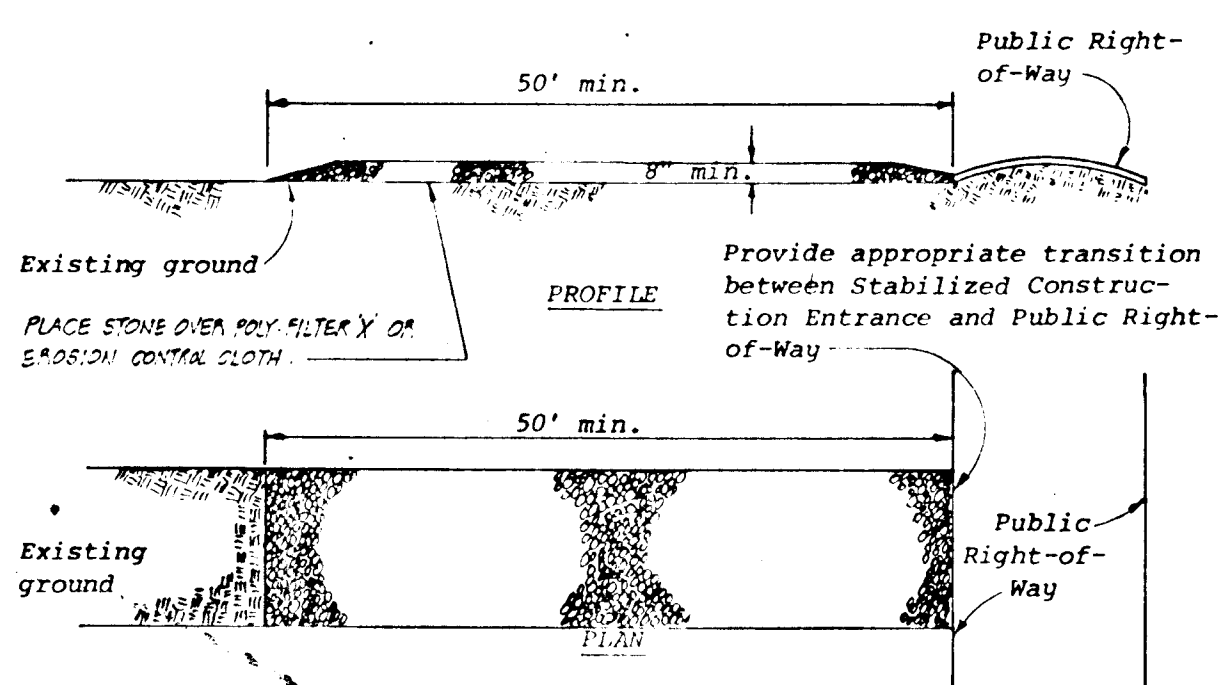
DIVERSION DIKE - D.D.

NOT TO SCALE



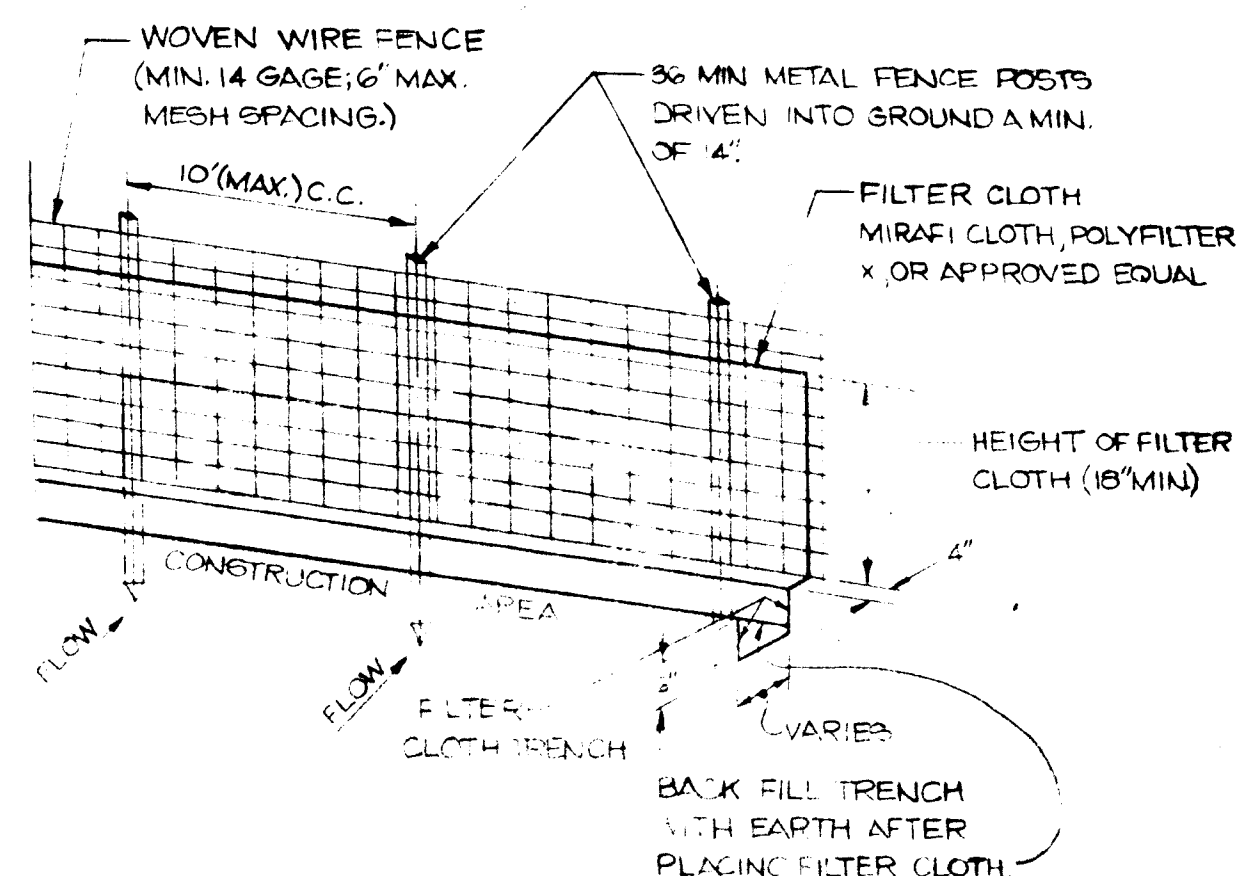
STRAW BALE DIKE - S.B.D.

NOT TO SCALE



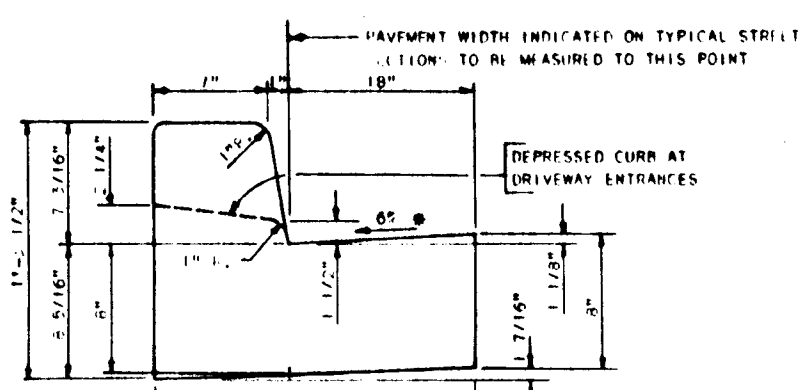
STABILIZED CONSTRUCTION ENTRANCE - S.C.E.

NOT TO SCALE



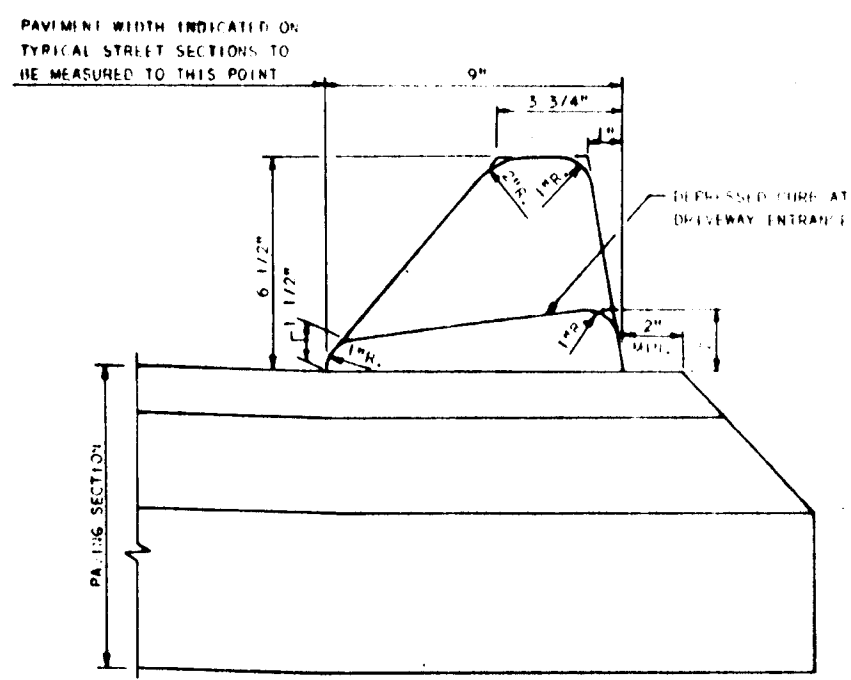
SILT FENCE - S.F.

NOT TO SCALE



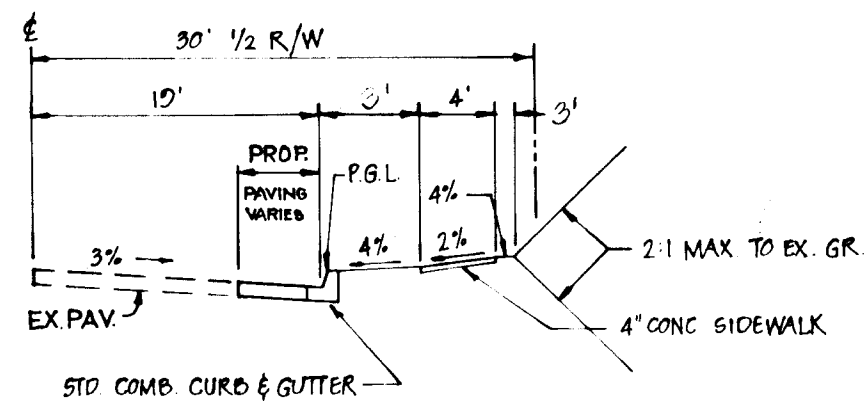
STD. 7\"/>

HO CO STD DRWG R-3.01
NOT TO SCALE



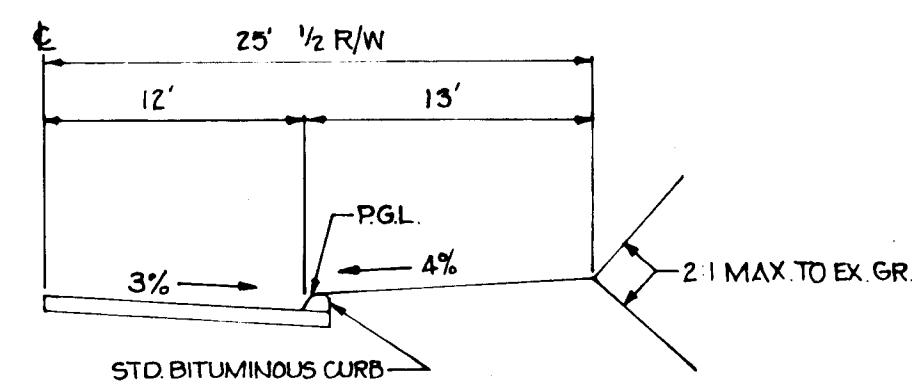
STD. BITUMINOUS CURB

HO CO STD DRWG R-3.03
NOT TO SCALE



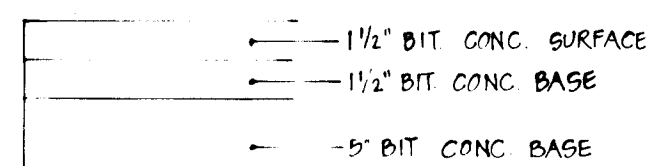
TYP. HALF SECTION FOR WIDENING PINE ORCHARD LANE

LOCAL STREET DESIGN SPEED 30MPH ZONED B-1
NOT TO SCALE



TYP. HALF SECTION PRIVATE ROAD

NOT TO SCALE

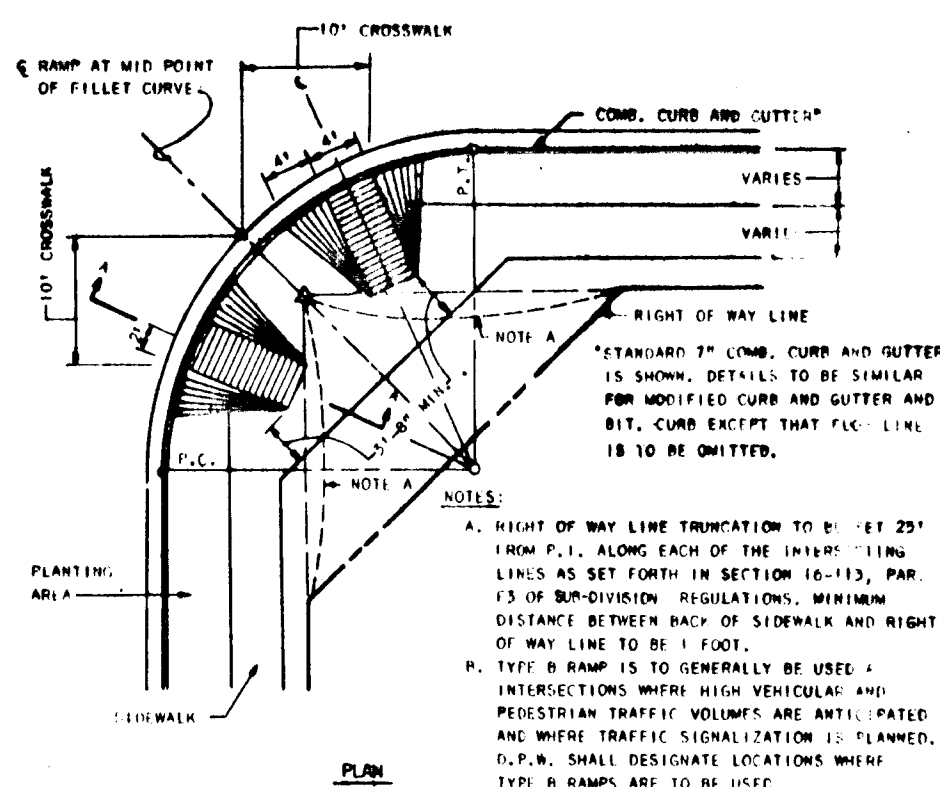


PAVING SECTION - P3

NOT TO SCALE

PINE ORCHARD LANE

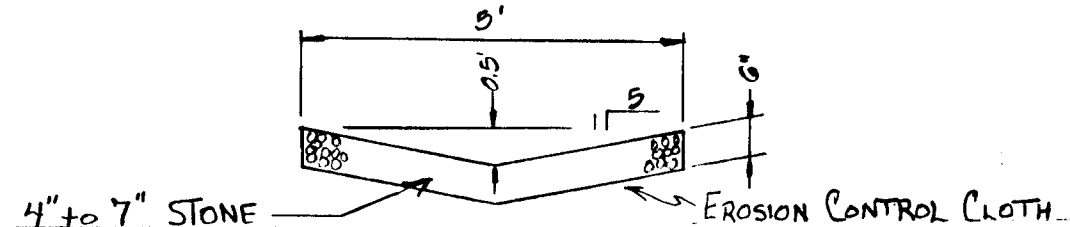
APPROVED DEPARTMENT OF PUBLIC WORKS
Kevin & Ray 10/15/81
CHIEF, BUREAU OF ENGINEERING DATE: 10-15-81
APPROVED: OFFICE OF PLANNING AND ZONING
William T. Rowe 10-9-81
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE: 10-9-81



SIDEWALK RAMP

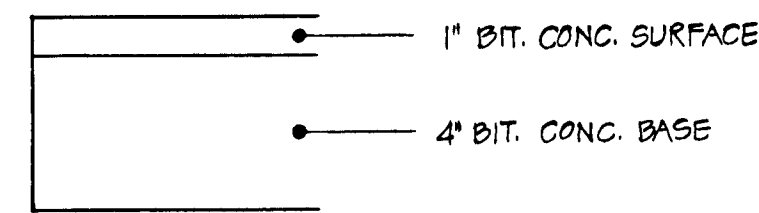
TYPE 'A'

NOT TO SCALE



TEMPORARY RIPRAP DRAINAGE CHANNEL

NOT TO SCALE



PRIVATE DRIVE PAVING SECTION - P1

NOT TO SCALE

SEDIMENT CONTROL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS" PREPARED BY THE U.S.D.A. SOIL CONSERVATION SERVICE.
- APPLY FOR GRADING PERMIT.
- NOTIFY THE BUREAU OF LICENSE INSPECTIONS AND PERMITS 24 HRS. PRIOR TO GRADING OPERATIONS.
- CONSTRUCTION SHALL ADHERE TO THE CONSTRUCTION SEQUENCE.
- CUT AND FILL SLOPES SHALL BE 3:1 MAXIMUM.
- ELEVATIONS MARKED THUS (X) SHALL BE FINISHED GRADE.
- ANY EXCESS MATERIAL SHALL BE STOCKPILED IN A CLEARED LOCATION ON SITE WHICH IS PROTECTED BY SEDIMENT CONTROL STRUCTURE(S). MAXIMUM FILL SLOPE SHALL BE 3:1. STOCKPILED MATERIAL SHALL BE STABILIZED ACCORDING TO SEEDING SPECIFICATIONS BELOW.
- SEDIMENT CONTROL STRUCTURES SHALL BE REMOVED ONLY WITH PERMISSION OF THE BUREAU OF LICENSE, INSPECTIONS AND PERMITS
- STABILIZATION MEASURES:
TEMPORARY STABILIZATION:
APPLY 2000 LBS./AC. OR 46 LBS. OF PULVERIZED DOLOMITIC LIMESTONE 500 LBS./AC. OR 11.5 LBS./1000 SQ. FT. OF 10-10-10 FERTILIZER. PLANT WITH RYEGRASS AT 40 LBS./AC. MULCH ALL DISTURBED AREAS IMMEDIATELY AFTER GRADING.
PERMANENT STABILIZATION:
APPLY 4000 LBS./AC. OF PULVERIZED DOLOMITIC LIMESTONE.
500 LBS./AC. OF 10-10-10 FERTILIZER
SEED 85 LBS./AC. OF KENTUCKY 31 TALL FESCUE
40 LBS./AC. OF KENTUCKY BLUE GRASS
25 LBS./AC. OF ANNUAL RYEGRASS
NOTE SEEDING MAY BE DONE BETWEEN MARCH 1 - MAY 1, OR AUG 1 - OCT. 1 ONLY.
MULCH ALL DISTURBED AREAS IMMEDIATELY AFTER GRADING.
MULCH 2 TONS/AC. OF UNWEATHERED WHEATSTRAW. TIE MULCH DOWN WITH 480 GAL./AC. OF LIQUID ASPHALT.

CONSTRUCTION SEQUENCE

- OBTAIN GRADING PERMIT
- NOTIFY THE HOWARD COUNTY BUREAU OF LICENSE, INSPECTIONS AND PERMITS 24 HOURS PRIOR TO GRADING OPERATIONS
- INSTALL TEMPORARY SEDIMENT CONTROL MEASURES (DD, SF, S.C.E. AND S.D.)
- ROUGH GRADE SITE. STABILIZE ROADS WITH BASE COURSE. STABILIZE DISTURBED AREAS
- PAVE ROADS
- FINE GRADE SITE. APPLY PERMANENT STABILIZATION MEASURES ACCORDING TO SEDIMENT CONTROL NOTE NO. 9
- REMOVE TEMPORARY SEDIMENT CONTROL MEASURES WITH THE APPROVAL OF THE HOWARD COUNTY BUREAU OF LICENSE, INSPECTIONS AND PERMITS.

SITE ANALYSIS

- AREA OF SITE: 5.9 AC±
- AREA PAVED: 0.1 AC±
- AREA DISTURBED: 0.4 AC±
- AREA REVEGETATED: 0.3 AC±
- AREA UNDISTURBED: 5.5 AC±

NOTE: BASE WILL BE PRIMED ACCORDING TO ARTICLES 2015 AND 33.04 OF M.D.S.R.C. SPECIFICATIONS, MARCH 1968, AND REVISIONS.

AS-BUILT 5-24-85



Rodolph Mayst
8-12-81

OWNER & DEVELOPER

HOWARD ASSOCIATES
% DALE MAIBEL
12789 FOLLY QUARTER RD.
ELLICOTT CITY, MD. 21043

TITLE	PINE ORCHARD LANE	
PROJECT	PINE ORCHARD PARK, SECTION 1	
LOCATION	2ND ELECTION DISTRICT	HOWARD COUNTY, MARYLAND
DATE	SCALE	DESIGN BY
AUGUST, 1981	AS SHOWN	R.L.M.
		DRAWN BY
		J.C.B.
		CHECKED BY
		R.L.M.
		DRAWING NO.
		2 OF 2
		JOB NO.
		81025
boender associates		
TOWN & COUNTRY PROFESSIONAL BUILDING, SUITE 101 - 107 ELLICOTT CITY, MARYLAND 21043 301-465-7777		
engineers surveyors planners		

DEVELOPER'S CERTIFICATE

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I AM AUTHORIZED TO PERFORM PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT ON THEIR AUTHORIZED AGENTS WHEN NECESSARY.
Donald R. Rowland AGENT DATE: 1/14/81

ENGINEER'S CERTIFICATE

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Rodolph Mayst ENGINEER DATE: 8-12-81

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

William T. Rowe 10-6-81
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

William T. Rowe 10-6-81
HOWARD SOIL CONSERVATION DISTRICT DATE

