

WHITE WOOD ESTATES

FOURTH ELECTION DISTRICT

HOWARD COUNTY MARYLAND

GENERAL NOTES

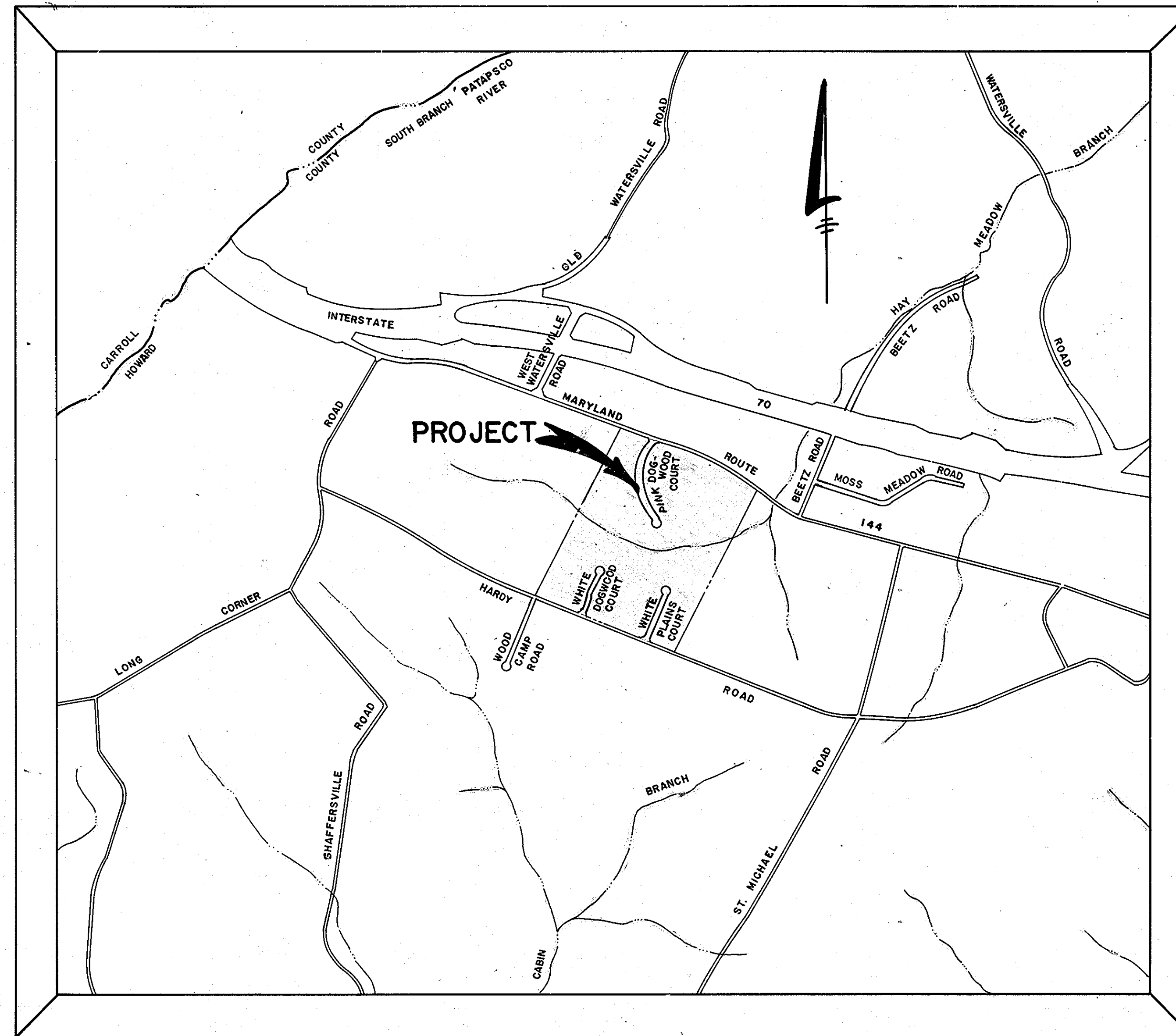
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HRS IN ADVANCE OF ANY CONSTRUCTION.
3. STORM DRAINAGE TRENCHES WITHIN ROAD RIGHT-OF-WAYS SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
4. ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTORS EXPENSE.
5. CONTRACTOR TO NOTIFY THE HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TELEPHONE 792-7272.
6. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION, CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE.
7. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES CURRENT REVISED EDITION.

APPROVED
DEPARTMENT OF PUBLIC WORKS
Ronald Johnson 2/8/88
CHIEF, LAND DEVELOPMENT DIVISION DATE

APPROVED
DEPARTMENT OF PUBLIC WORKS
Granville W. Weneand 9/7/88
CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED
DEPARTMENT OF PUBLIC WORKS
R. J. ... 9-9-88
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED
OFFICE OF PLANNING AND ZONING
... 9-16-88
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



VICINITY MAP
SCALE: 1"=1200'

INDEX OF SHEETS

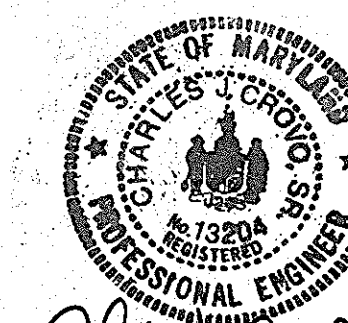
1.)	TITLE SHEET
2.)	PINK DOGWOOD COURT-PLAN AND PROFILE
3.)	WHITE PLAINS COURT-PLAN AND PROFILE
4.)	WHITE DOGWOOD COURT-PLAN AND PROFILE
5.)	TYPICAL ROADWAY SECTION, STORM DRAIN PROFILES AND DETAILS
6.)	DRAINAGE AREA MAP
7.)	GRADING AND SEDIMENT CONTROL PLAN
8.)	GRADING AND SEDIMENT CONTROL PLAN

THE COORDINATES SHOWN HEREON ARE BASED ON THE MARYLAND STATE GRID SYSTEM AS PROJECTED BY THE HOWARD COUNTY GEODETIC CONTROL STA. No.

3729001	N 54 79 78.155
	E 76 26 81.988
3828001	N 54 86 23.672
	E 76 28 69.046

FISHER, COLLINS AND CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043
TELEPHONE: (301) 461-2855

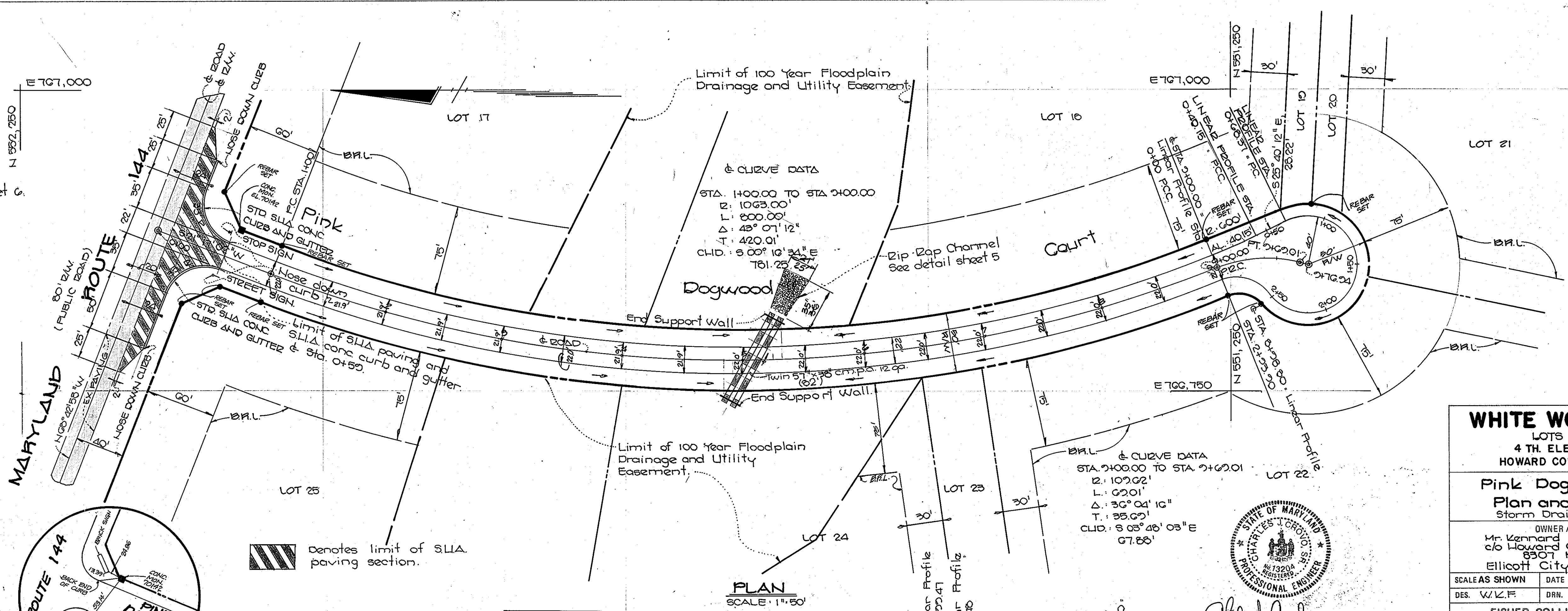
OWNER AND DEVELOPER
M.R. KENNARD WARFIELD, JR.
C/O HOWARD COUNTY LAND SERVICES
8307 MAIN STREET
ELLCOTT CITY, MARYLAND 21043



Charles J. Crovo Sr.
CHARLES J. CROVO SR. DATE 6/7/88

1377

Bench Marks:
 BM. #1 Elev. 716.86
 Traverse point "w.l. #7", 1/2" rebar in northwest corner of property on lot no. 25
 BM. #2 Elev. 712.65
 Traverse point "w.l. #2", 1/2" rebar approximately 330' southwest of the intersection of Hardy Road and White Dogwood Court, set along Hardy Road.
 For location of bench marks see sheet G.



APPROVED DEPARTMENT OF PUBLIC WORKS
Francis W. Weiland 9/7/88
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED DEPARTMENT OF PUBLIC WORKS
Charles J. Grovo 9/8/88
 CHIEF, LAND DEVELOPMENT DIVISION DATE

APPROVED DEPARTMENT OF PUBLIC WORKS
Charles J. Grovo 9-8-88
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED OFFICE OF PLANNING AND ZONING
John S. McLaughlin 9-16-88
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

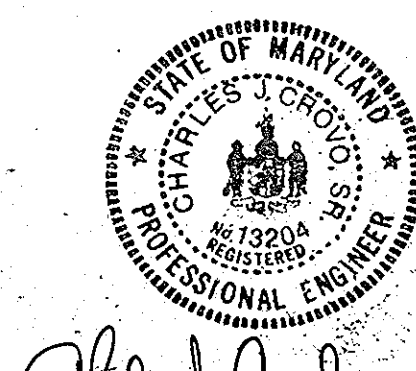
WHITE WOOD ESTATES
 LOTS 1-25
 4 TH. ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

Pink Dogwood Court
 Plan and Profile
 Storm Drain Profiles

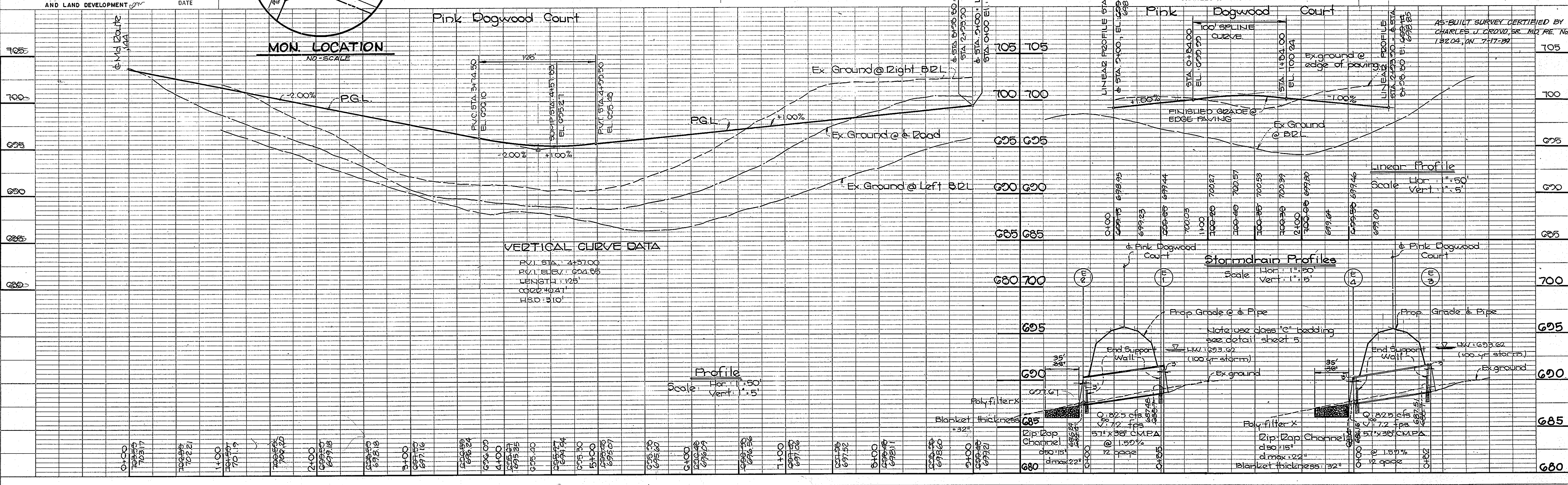
OWNER AND DEVELOPER
 Mr. Kenneth Worfield Jr.
 c/o Howard County Land Services
 8507 Main Street
 Ellicott City, Md. 21043

SCALE AS SHOWN DATE June 10, 88 DWG. NO. 2 OF 6
 DES. W.L.F. DRN. W.L.F. CHK. C.J.C.

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELICOTT CITY, MARYLAND 21043



Revised 12/11/89 M.Y.
 Removed E1, E2, E3, E4



1377

DATE	
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ALIGNED	
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APPROVED
DEPARTMENT OF PUBLIC WORKS

Travis W. Weiland 9/7/88
CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED
DEPARTMENT OF PUBLIC WORKS

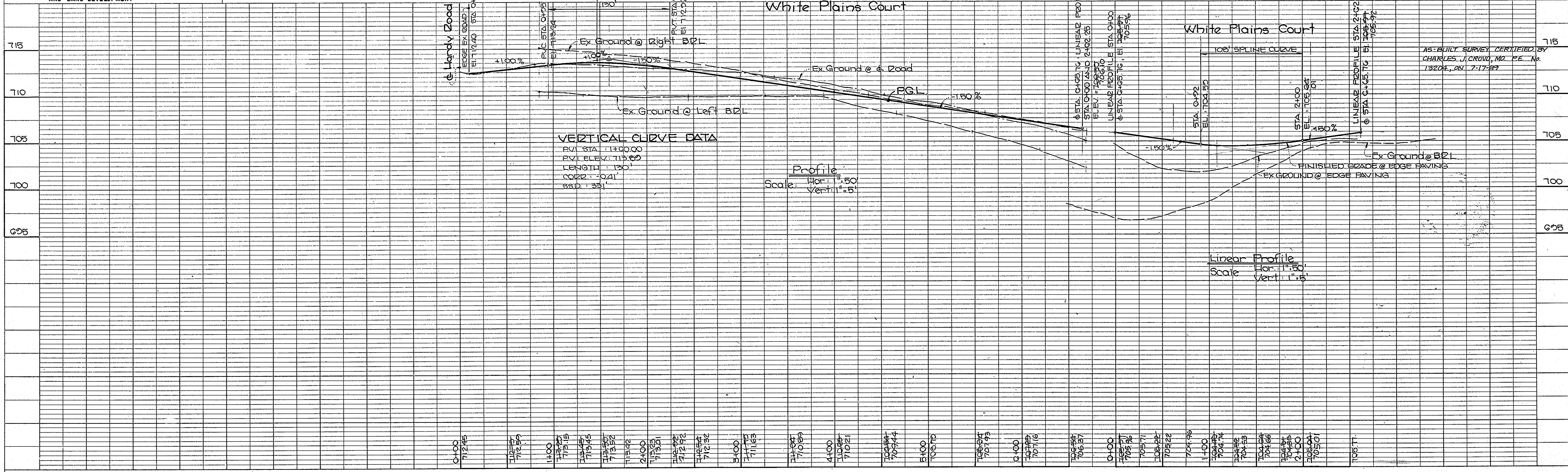
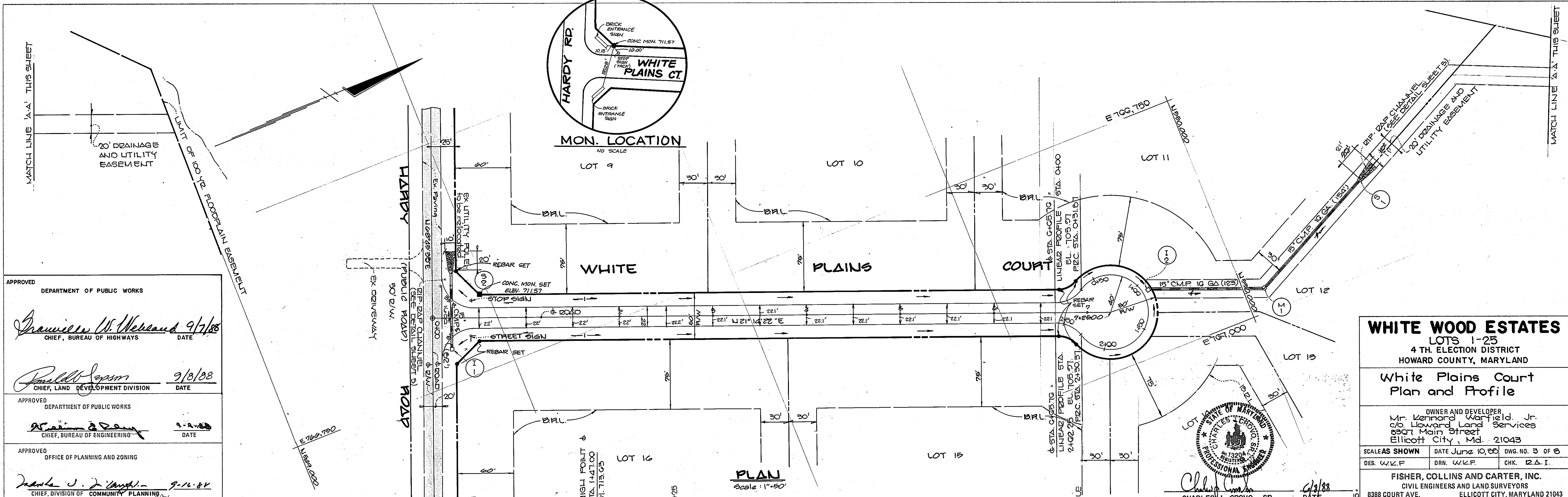
Donald J. Seaman 9/8/88
CHIEF, LAND DEVELOPMENT DIVISION DATE

APPROVED
DEPARTMENT OF PUBLIC WORKS

William J. Dwyer 9-10-88
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED
OFFICE OF PLANNING AND ZONING

Frank J. Dwyer 9-10-88
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



WHITE WOOD ESTATES
 LOTS 1-25
 4 TH. ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

**White Plains Court
 Plan and Profile**

OWNER AND DEVELOPER
 Mr. Kennard Warfield, Jr.
 c/o Howard Land Services
 8907 Main Street
 Ellicott City, Md. 21043

SCALES SHOWN DATE June 10, 88 DWG. NO. 3 OF 8
 DES. W.L.F. DRN. W.L.F. CHK. B.A.I.

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043

CHARLES J. GROVO SR. 9/3/88 DATE

1377

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 NO. _____

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 NO. _____

DATE _____ BY _____
 SURVEYED _____
 PLOTTED _____
 CHECKED _____
 NO. _____

APPROVED DEPARTMENT OF PUBLIC WORKS

Stanley W. Wrenn 9/17/88
 CHIEF, BUREAU OF HIGHWAYS DATE

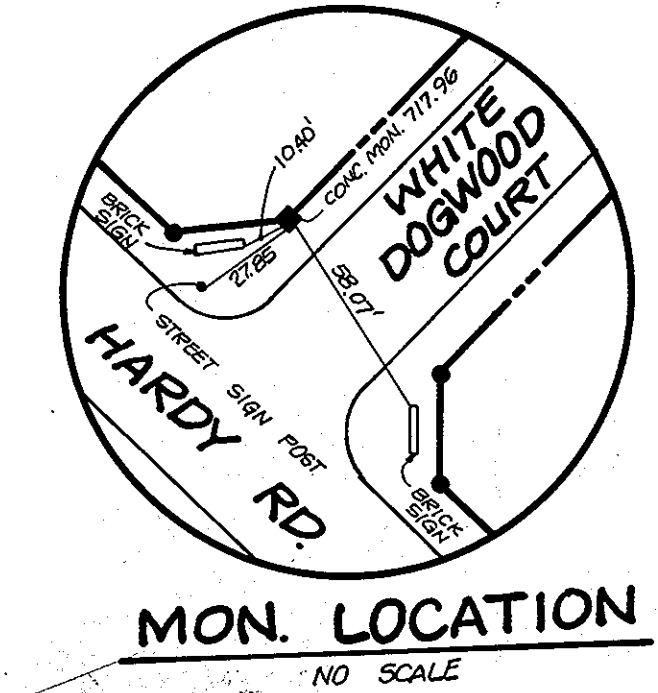
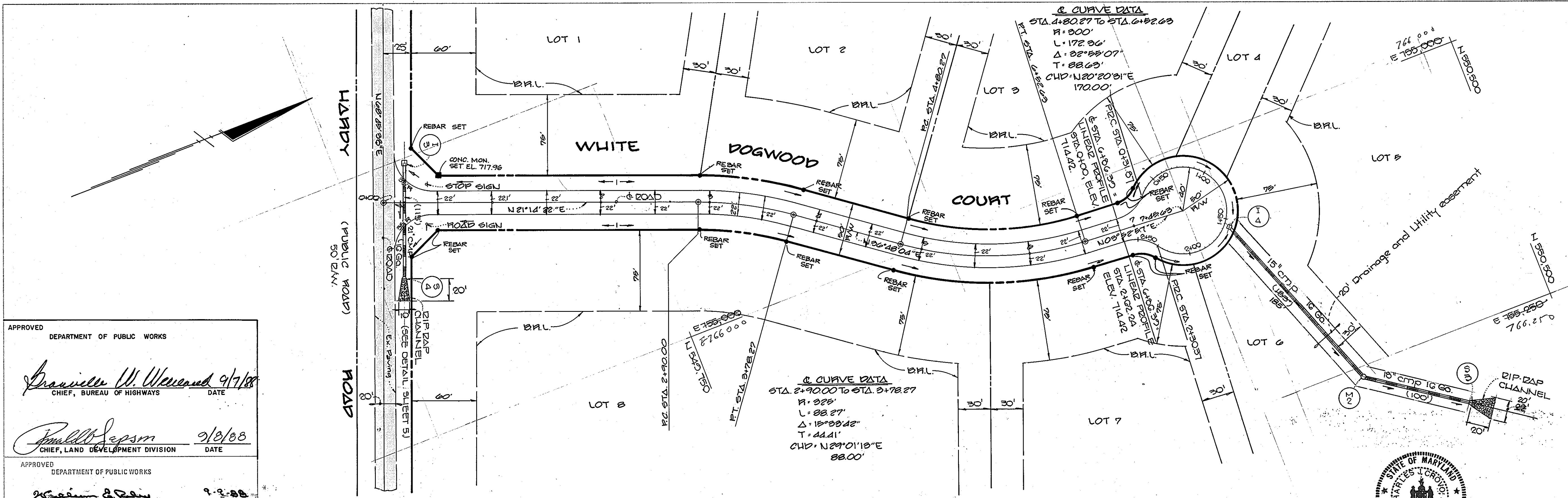
Paul W. Sepp 9/8/88
 CHIEF, LAND DEVELOPMENT DIVISION DATE

APPROVED DEPARTMENT OF PUBLIC WORKS

William B. Day 9-8-88
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED OFFICE OF PLANNING AND ZONING

Janice J. DeAngelis 9-16-88
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



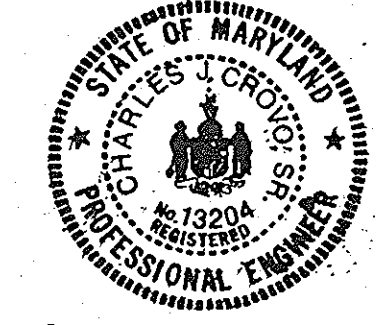
WHITE WOOD ESTATES
 LOTS 1-25
 4 TH. ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

White Dogwood Court
 Plan and Profile

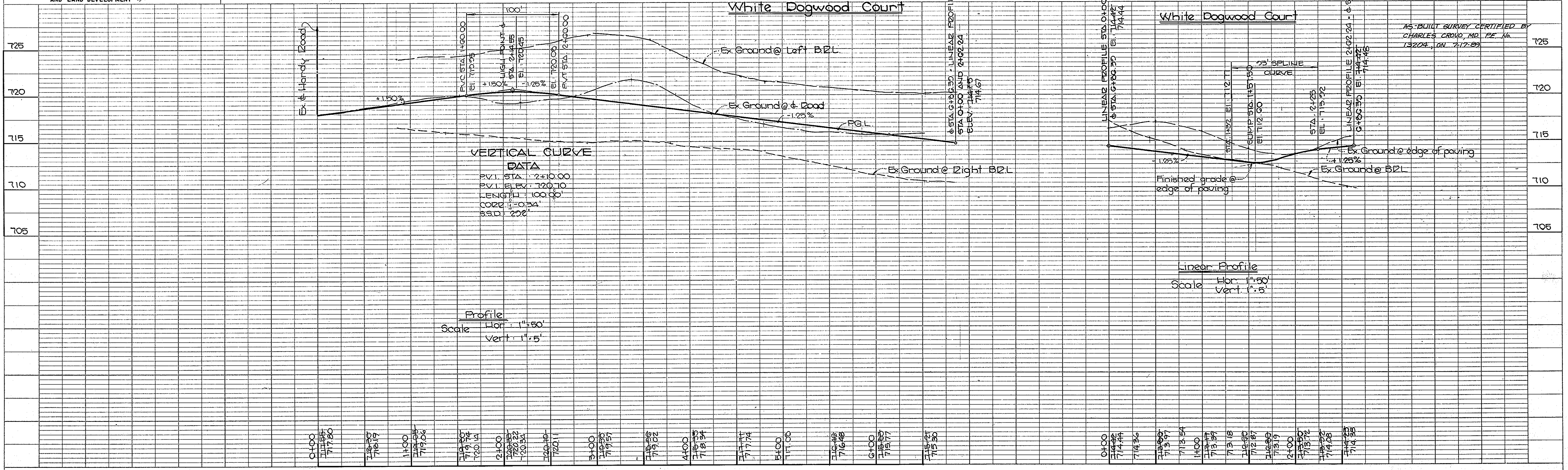
OWNER AND DEVELOPER
 Mr. Kennard Warfield Jr.
 c/o Howard County Land Services
 8307 Main Street
 Ellicott City, Maryland 21043

SCALE AS SHOWN DATE: June 10, 88 DWG. NO. 4 OF 8
 DES. W.K.F. DRN. W.K.F. CHK. C.A.I.

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELICOTT CITY, MARYLAND 21043



Charles J. Crovo 6/8/88
 CHARLES J. CROVO SR. DATE

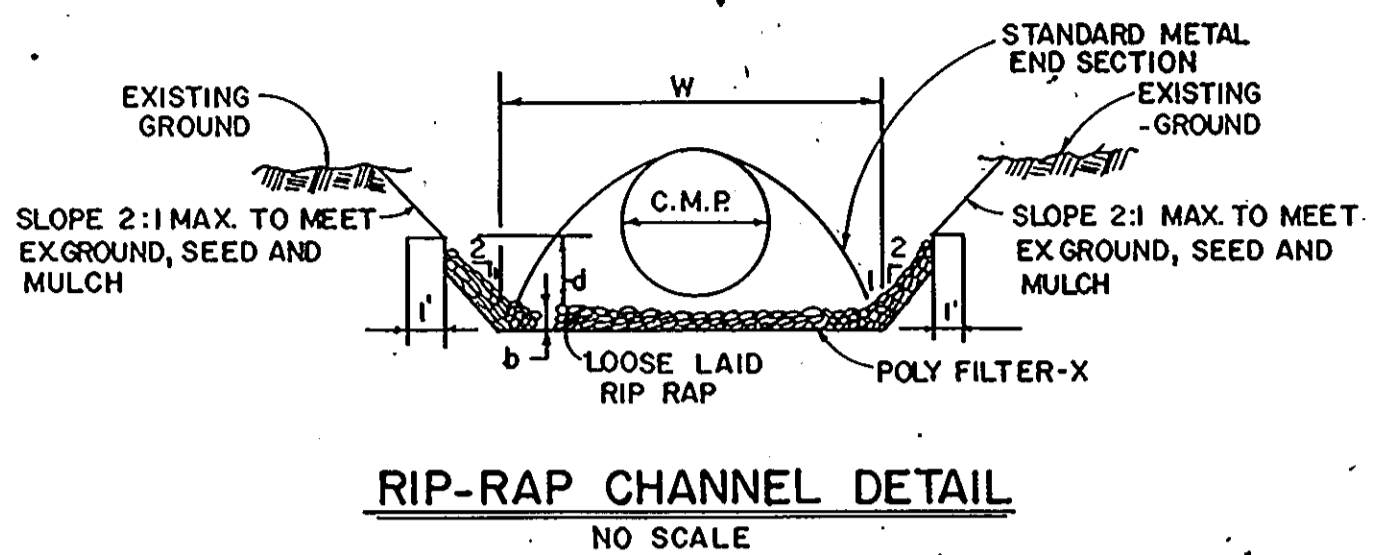
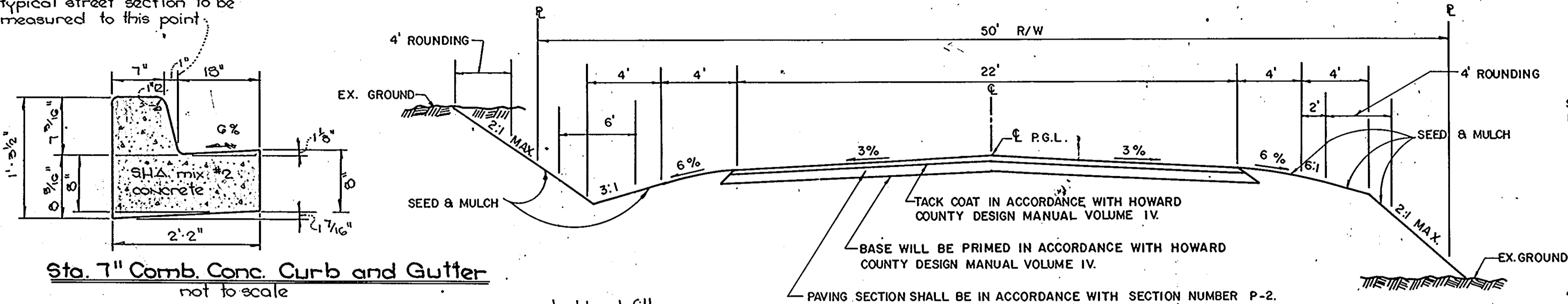


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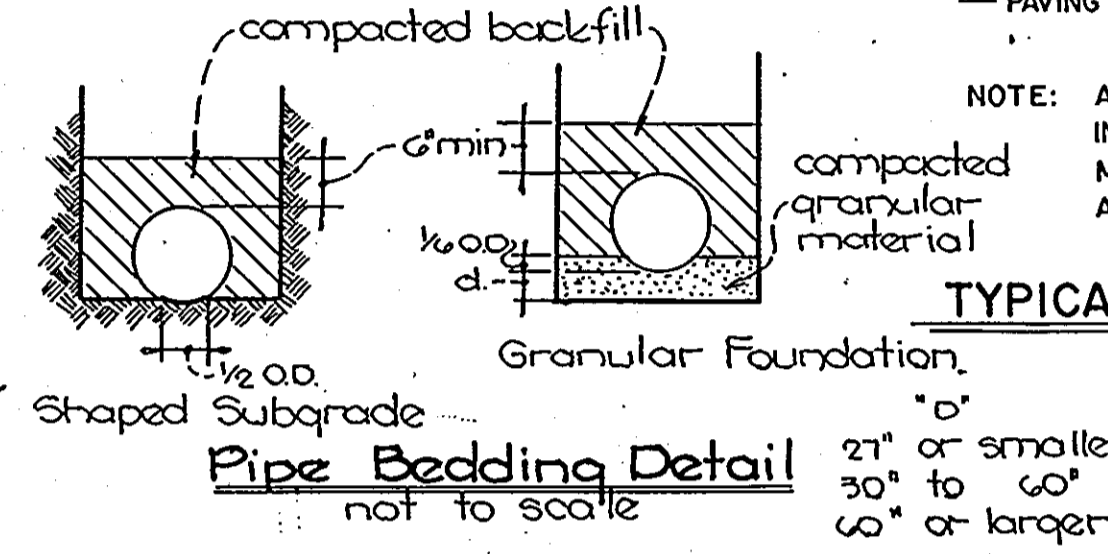
WHITE PLAINS COURT WHITE DOGWOOD COURT PINK DOGWOOD COURT
 LIMITS \bar{L} STA. 0+00 TO \bar{L} STA. 6+85.76 LIMITS \bar{L} STA. 0+00 TO \bar{L} STA. 6+86.39 LIMITS \bar{L} STA. 0+00 TO \bar{L} STA. 8+98.80

CLASSIFICATION: CUL-DE-SAC ZONED 'R' DESIGN SPEED 30 MPH.

Pavement width indicated on typical street section to be measured to this point.

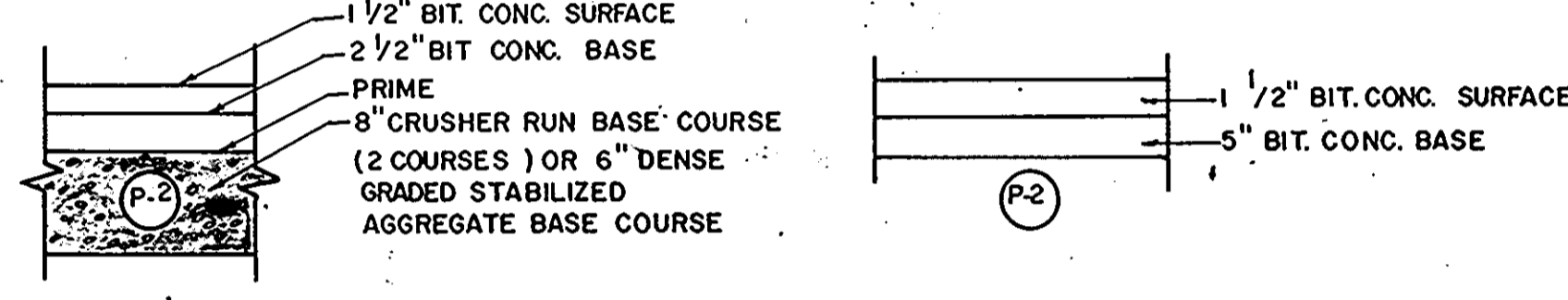


STRUCTURE	A ¹	P ¹	R	R 2/3	S	S 1/2	n	Q _{cr}	V _{cr}	d	w	RIP RAP SIZE	b
E-2	E-4	46.01	29.02	1.57	1.35	0.005	0.071	0.04	106.63	3.55	1.86	21.5	6" 9" 1/2"
5-2	5-1	3.12	6.52	0.48	0.61	0.010	0.100	7.08	2.27	0.63	3.70	4" 6" 0"	
5-3	5-4	2.79	6.05	0.42	0.56	0.011	0.105	9.43	3.30	0.92	4.33	4" 6" 0"	
5-4	5-4	4.10	7.91	0.81	0.84	0.005	0.071	0.04	7.05	1.72	0.65	5.00	4" 6" 0"

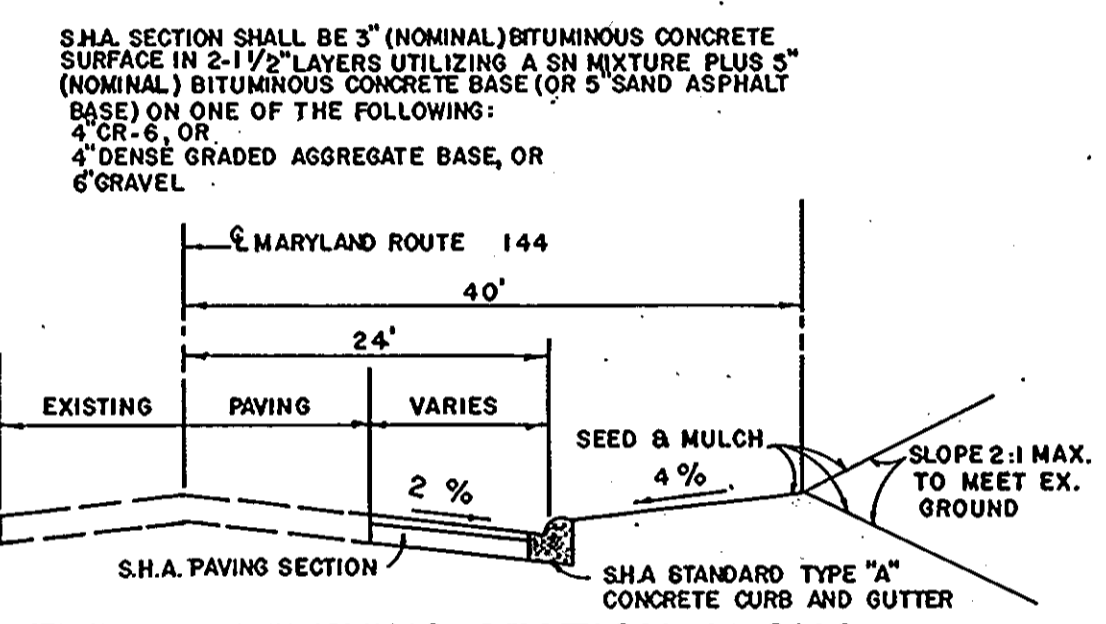


NOTE: ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOLUME IV. STANDARD SPECIFICATION AND DETAILS FOR CONSTRUCTION.

TYPICAL ROADWAY SECTION NO SCALE



PAVING SECTION P-2 NO SCALE



TYPICAL WIDENING SECTION ALONG MARYLAND ROUTE 144 NO SCALE

APPROVED DEPARTMENT OF PUBLIC WORKS
Druid W. Weaver 9/1/88
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED DEPARTMENT OF PUBLIC WORKS
Smallman 9/1/88
 CHIEF, LAND DEVELOPMENT DIVISION DATE

APPROVED DEPARTMENT OF PUBLIC WORKS
Smallman 9/1/88
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED OFFICE OF PLANNING AND ZONING
Jeanie J. Langley 9/1/88
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

Professional Engineer
 CHARLES J. CROVO, SR.
 Revised 12/11/89 M.Y.
 Removed E-1E-2P3, E4

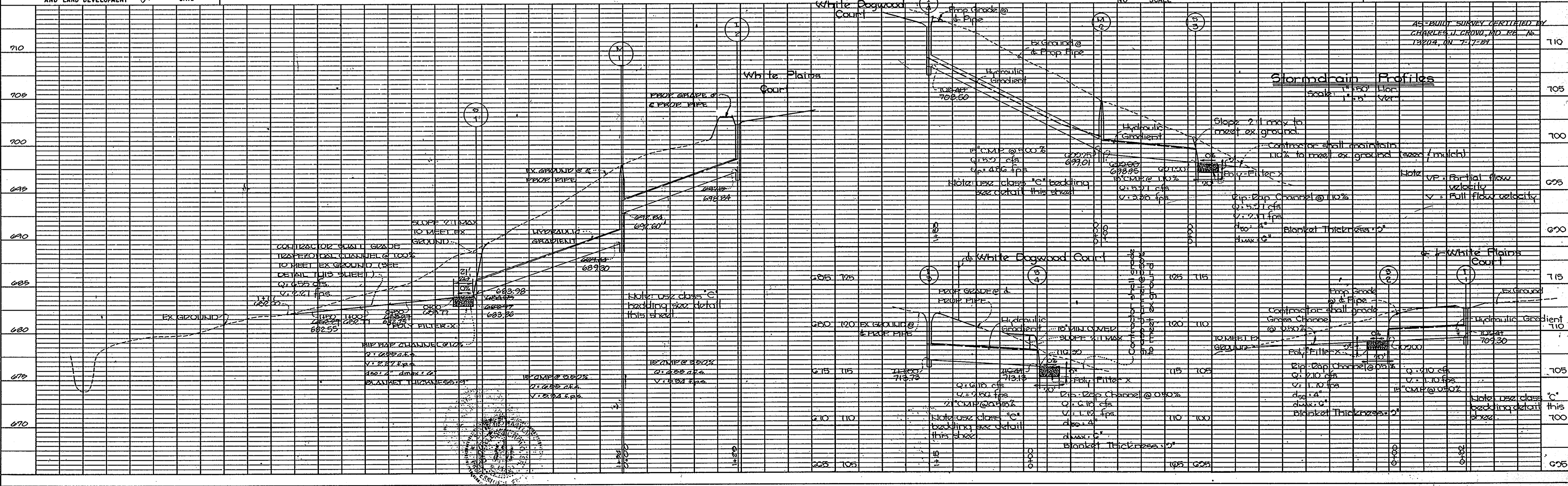
WHITE WOOD ESTATES
 LOTS 1-25
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

Stormdrain Profiles and Details

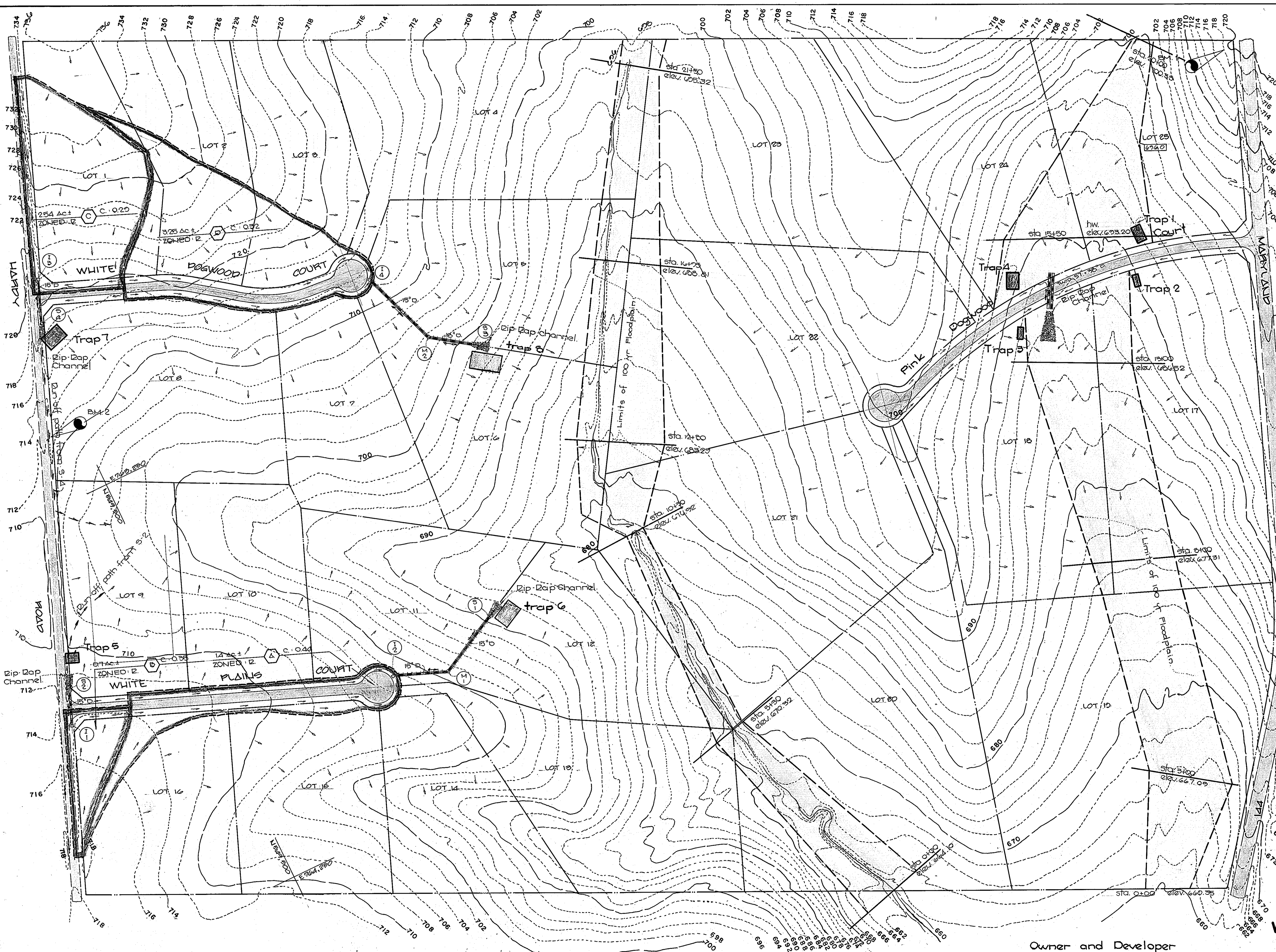
OWNER AND DEVELOPER
 Mr. Kenneth W. Field Jr.
 c/o Howard County Land Services
 6507 Main Street
 Ellicott City, Md. 21043

SCALE AS SHOWN DATE June 10, 88 DWG. NO. 5 OF 5
 DES. W.L.F. DRN. W.L.F. CHK. R.A.I.

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



1377



APPROVED DEPARTMENT OF PUBLIC WORKS
Paul J. Sepp 9/8/88
 CHIEF, LAND DEVELOPMENT DIVISION DATE

APPROVED DEPARTMENT OF PUBLIC WORKS
Francis W. Wene 9/1/88
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED DEPARTMENT OF PUBLIC WORKS
William S. Coyle 9-9-88
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED OFFICE OF PLANNING AND ZONING
Mark V. Lang 9-12-88
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE



Charles J. Crovo 9/1/88
 CHARLES J. CROVO SR DATE

DRAINAGE AREA MAP
WHITE WOOD ESTATES

LOTS 1-25
 4 TH. ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 June 10, 1988 Scale: As Shown.
 Sheet 6 of 8

FISHER, COLLINS AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 TELEPHONE: (301) 461-2855

Plan
 Scale: 1" = 100'

Revised 12/11/87 M.Y.
 Removed E-1 E2 E3 & E4

Owner and Developer
 Mr. Kennard Warfield, Jr.
 c/o Howard County Land Services
 2907 Main Street
 Ellicott City, Md. 21043

1377

PERMANENT SEEDING NOTES:
 APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS REQUIRED.

SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SOIL ANCHORING SHALL BE USED IN ALL SEEDING OPERATIONS. USE ONE OF THE FOLLOWING SCHEDULES:

1) PREFERRED - APPLY 2 TONS PER ACRE BROADCAST LIME (85 LBS/1000 SQ. FT.) AND 400 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)

2) ACCEPTABLE - APPLY 2 TONS PER ACRE COMBINED LIME AND FERTILIZER (14 LBS/1000 SQ. FT.) AND 400 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 8 LBS. PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 8 LBS. PER ACRE OF TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.35 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 28, THROUGH FEBRUARY 28, SEED WITH 8 LBS. PER ACRE OF TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.35 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD OF MARCH 1 THRU APRIL 30, SEED WITH 8 LBS. PER ACRE OF TALL FESCUE AND 2 LBS. PER ACRE (.35 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD OF MAY 1 THRU JULY 31, SEED WITH 8 LBS. PER ACRE OF TALL FESCUE AND 2 LBS. PER ACRE (.35 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 28, THROUGH FEBRUARY 28, SEED WITH 8 LBS. PER ACRE OF TALL FESCUE AND 2 LBS. PER ACRE (.35 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (15 GAL/1000 SQ. FT.) OF ENHANCED ASPHALT OR FLAT AREAS, OR SLOPES OF 6 FEET OR MORE, USE 348 GALLOS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING. MAINTAIN PROTECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

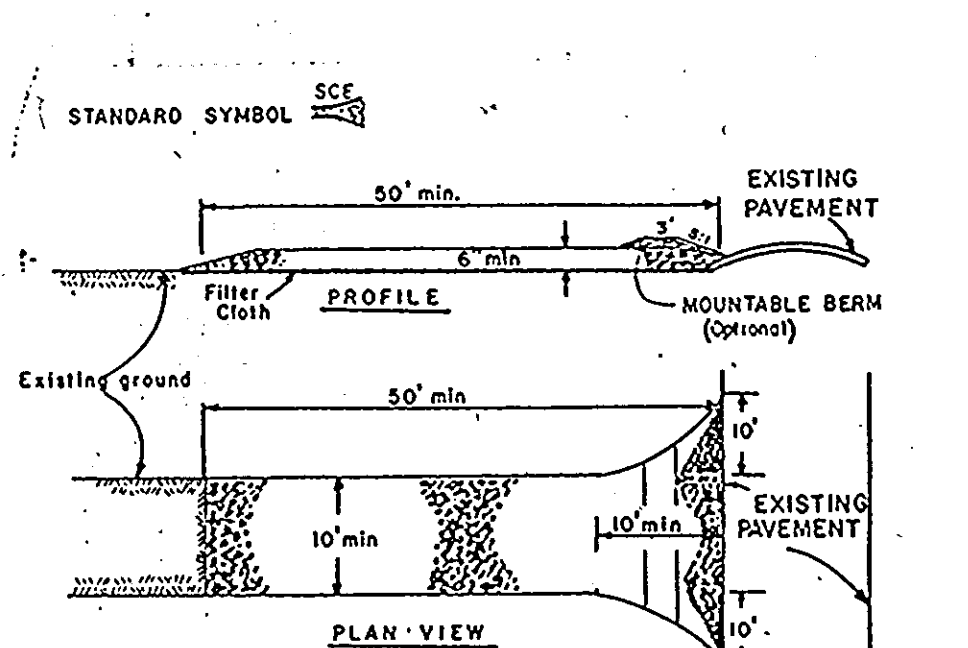
TEMPORARY SEEDING NOTES:
 APPLY TO GRADED OR CLEARED AREAS SUBJECT TO BE RESEEDED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SOIL ANCHORING SHALL BE USED IN ALL SEEDING OPERATIONS. USE ONE OF THE FOLLOWING SCHEDULES:

1) PREFERRED - APPLY 2 TONS PER ACRE BROADCAST LIME (85 LBS/1000 SQ. FT.) AND 400 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)

2) ACCEPTABLE - APPLY 2 TONS PER ACRE COMBINED LIME AND FERTILIZER (14 LBS/1000 SQ. FT.) AND 400 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL.

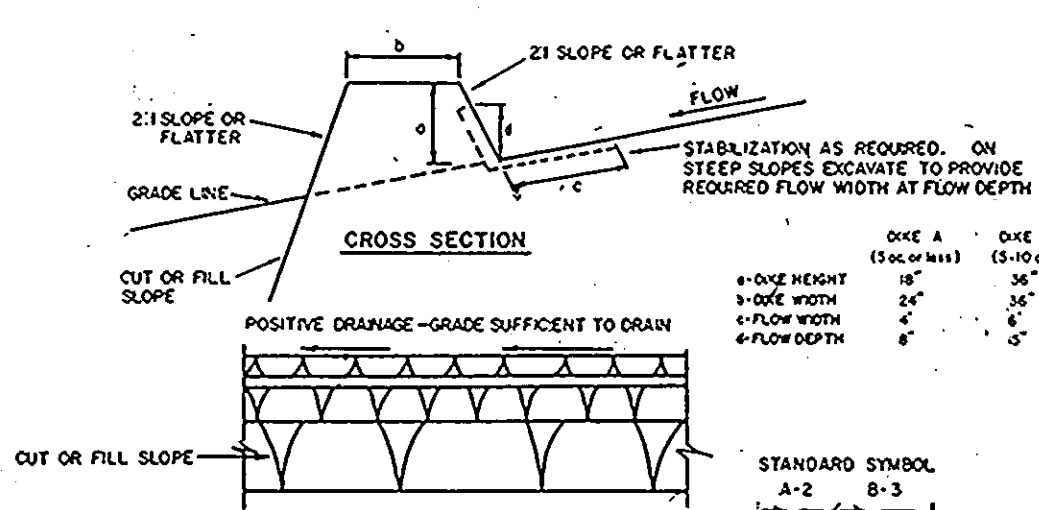
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND FROM AUGUST 1 THRU NOVEMBER 15, SEED WITH 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ. FT.). FOR THE PERIOD MAY 1 THRU AUGUST 31, SEED WITH 3 LBS. PER ACRE OF TALL FESCUE PER ACRE AND 1 LB. PER ACRE (.17 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 28, THROUGH FEBRUARY 28, SEED WITH 3 LBS. PER ACRE OF TALL FESCUE PER ACRE AND 1 LB. PER ACRE (.17 LBS/1000 SQ. FT.) OF KEEPING LOVEGRASS. AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (15 GAL/1000 SQ. FT.) OF ENHANCED ASPHALT OR FLAT AREAS, OR SLOPES OF 6 FEET OR MORE, USE 348 GAL PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING. REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



CONSTRUCTION SPECIFICATIONS

- Stone Size - Use 2" stone, or recycled or recycled concrete equivalent.
- Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
- Thickness - Not less than 6" (4" for 4' wide).
- Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
- Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
- Surface Water - All surface water flowing or directed toward construction entrance shall be piped across the entrance. If piping is impractical, a mountable beam with 5/8 slopes will be permitted.
- Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
- Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.

Stabilized Construction Entrance
 not to scale

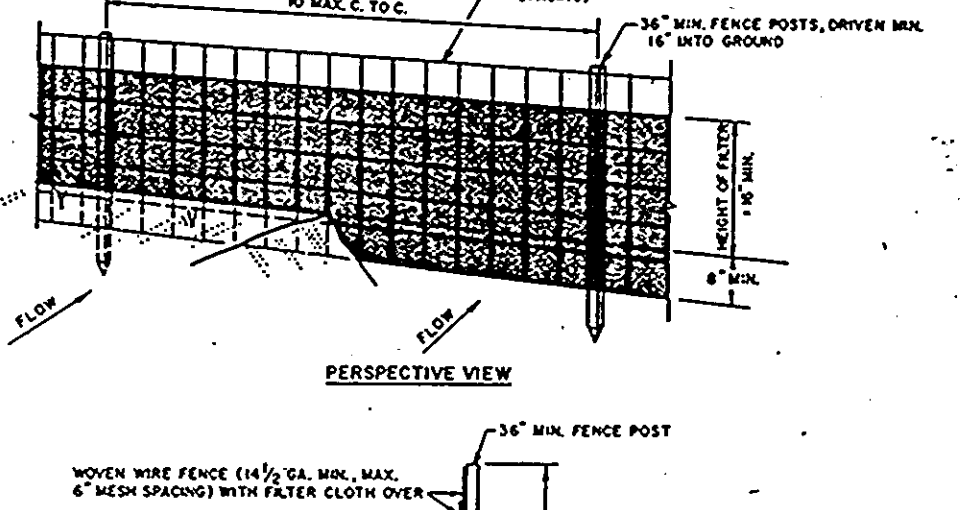


CONSTRUCTION SPECIFICATIONS

- All dikes shall be compacted by earth-moving equipment.
- All dikes shall have positive drainage to an outlet.
- Top width may be wider and side slopes may be flatter if desired to facilitate crossing by construction traffic.
- Field location should be adjusted as needed to utilize a stabilized safe outlet. Earth dikes shall have an outlet that functions with a minimum of erosion. Runoff shall be conveyed to a sediment trapping device such as a sediment trap or sediment basin where either the dike channel or the drainage area above the dike are not adequately stabilized.
- Stabilization shall be: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON; (B) FLOW CHANNEL AS PER THE CHART BELOW.

TYPE OF TREATMENT	CHANNEL CROSS SECTION	DIKE A	DIKE B
1	5'-3" DIA.	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3'-1.5" DIA.	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELSTOR; 200# 2" STONE
3	5'-1-8" DIA.	SEED WITH JUTE, OR SOO; 2" STONE	LINED RIP-RAP 4-8"
4	8'-1-2" DIA.	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

Earth Dike
 not to scale



CONSTRUCTION SPECIFICATIONS FOR SILT FENCE

- WOVEN WIRE FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- When two sections of filter cloth abut, each other they shall be overlapped by six inches and folded.
- Maintenance shall be performed as needed and material removed when bulges develop in the silt fence.

CONSTRUCTION NOTES FOR FASCICATED SILT FENCE

POSTS: STEEL EITHER T OR U TYPE OR 4" HOLLOWED

FENCE: WOVEN WIRE, 1/4" GA. 6" PAX. VESH OPENING

FILTER CLOTH: FILTER X PAPER LINER, SUBST. LINUM LINER OR APPROVED EQUAL

PREPARATED UNIT: GEOTEX, DRYLOK, OR APPROVED EQUAL

Silt Fence
 not to scale

SEDIMENT CONTROL NOTES:
 NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).

- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOO (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

AREA	ACRES
TOTAL AREA OF SITE	120.00
AREA DISTURBED	6.100
AREA TO BE ROOFED OR PAVED	1.000
AREA TO BE VEGETATIVELY STABILIZED	4.500
TOTAL CUT	10.000
TOTAL FILL	10.000

8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

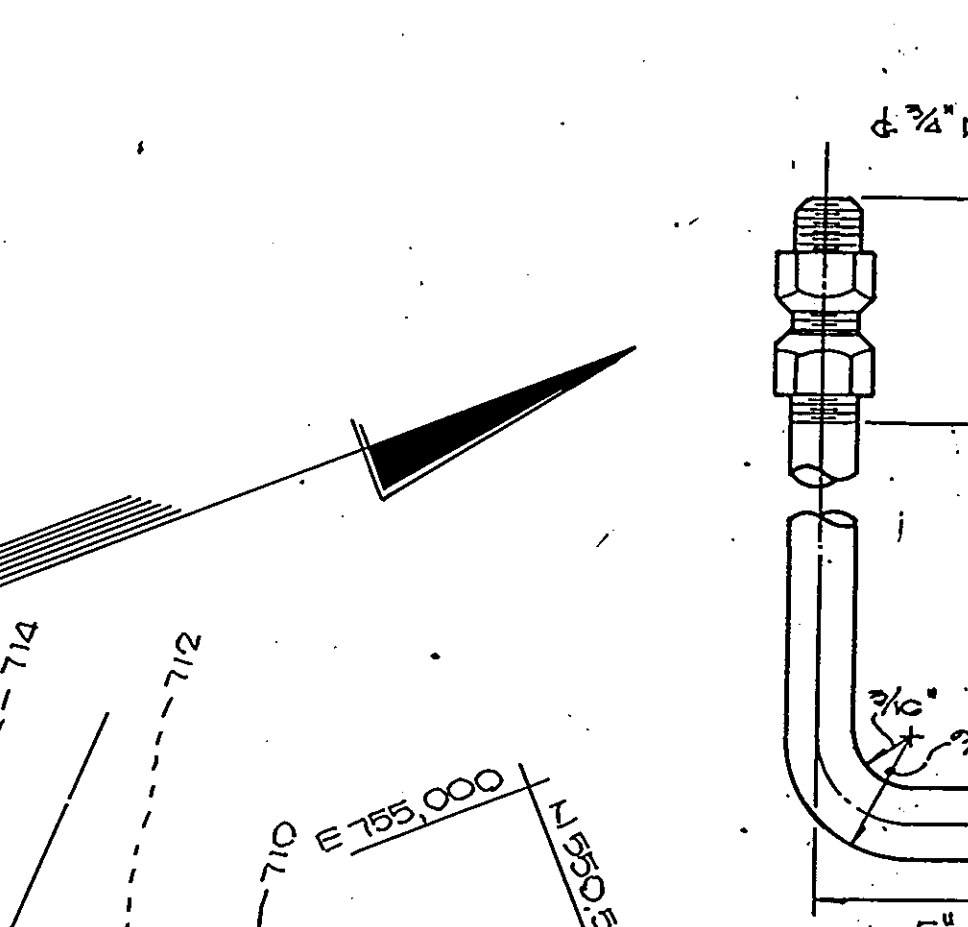
9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPM SEDIMENT CONTROL INSPECTOR.

10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROL, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

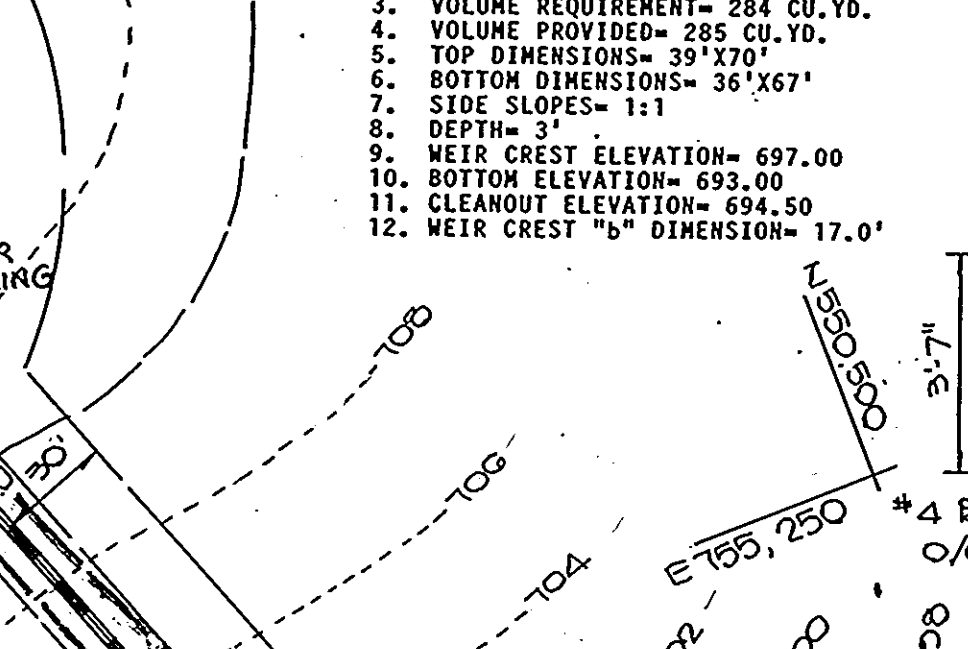
SEDIMENT TRAP DATA #7

- TYPE - STONE OUTLET SEDIMENT TRAP
- DRAINAGE AREA - 2.82 AC.±
- VOLUME REQUIREMENT - 188 CU. YD.
- VOLUME PROVIDED - 190 CU. YD.
- TOP DIMENSIONS - 36'X58'
- BOTTOM DIMENSIONS - 33'X48'
- SIDE SLOPES - 1:1
- DEPTH - 3'
- WEIR CREST ELEVATION - 718.00
- BOTTOM ELEVATION - 714.00
- CLEANOUT ELEVATION - 716.50
- WEIR CREST "B" DIMENSION - 12.0'

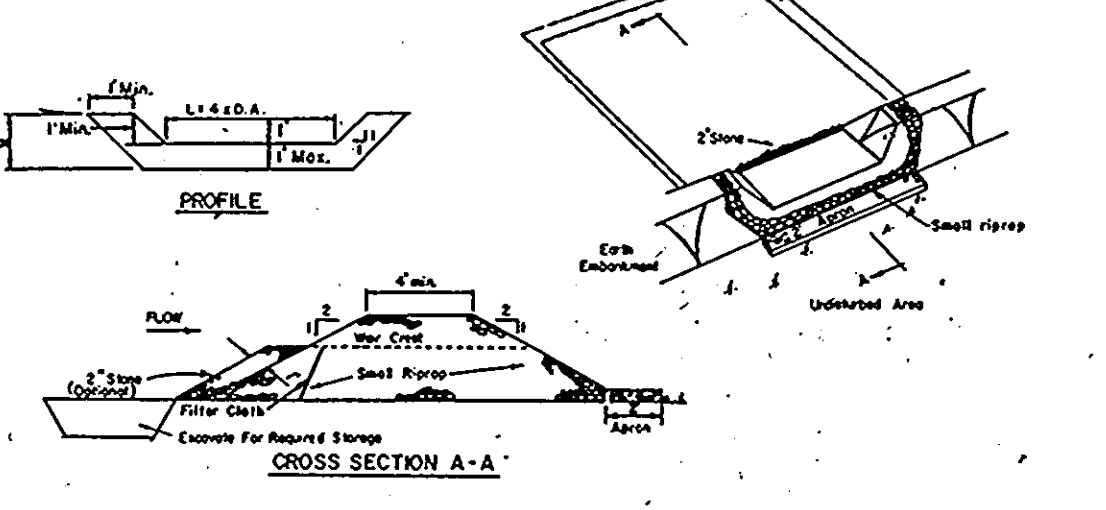
Plan
 scale: 1"=80'



Anchor bolt detail
 not to scale



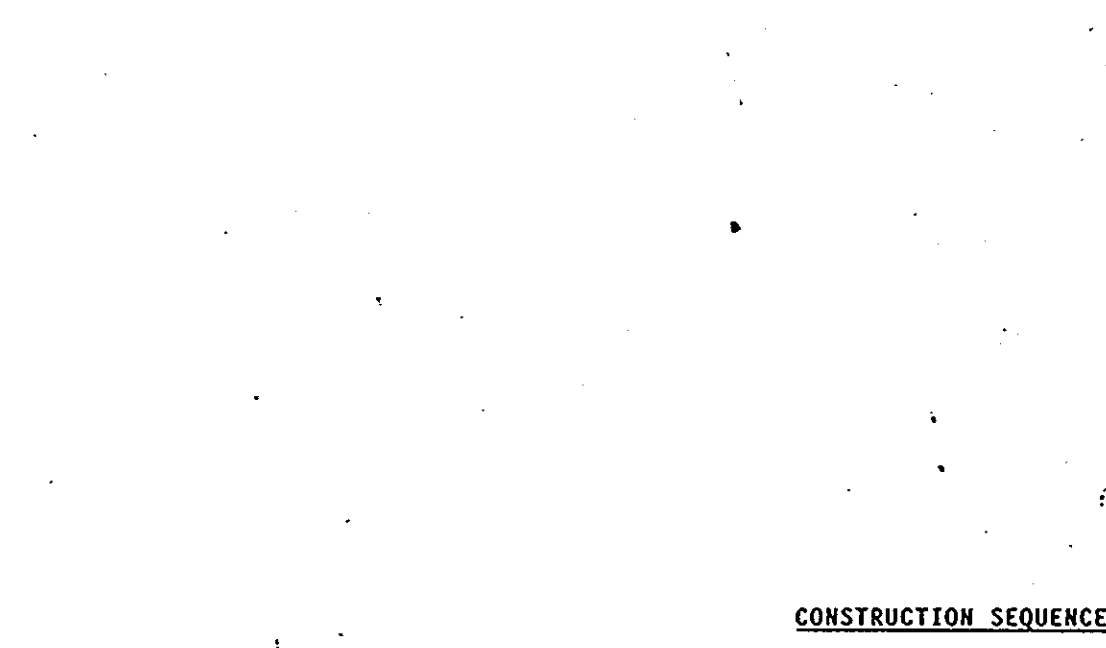
Section A-A
 not to scale



CONSTRUCTION SPECIFICATIONS FOR ST-T

- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
- All cut and fill slopes shall be 2:1 or flatter.
- The stone used in the outlet shall be small riprap 4-8" along with a 1" thickness of 2" aggregate placed on the up-grade side of the small riprap 25' embedded filter cloth in the riprap.
- Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
- The structure shall be inspected after each rain and repair made as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly established.

Stone Outlet Sediment Trap
 not to scale



End Support Wall
 not to scale

ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL SURVEY AND FIELD CONDITIONS AND THAT THE SAME IS IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

DATE: 9/11/88

SIGNATURE: Charles S. Cravo Sr.

DEVELOPER'S CERTIFICATE

I/WE 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 CERTIFY TO PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY DISTRICT INSPECTOR OR THEIR AUTHORIZED AGENTS, AS DEEMED NECESSARY.

DATE: 9/11/88

SIGNATURE OF DEVELOPER: Mr. Kennard Warfield Jr.

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS.

DATE: 8/25/88

SIGNATURE: Stephen L. Pugh

APPROVED: OFFICE OF PLANNING AND ZONING

DATE: 9/11/88

SIGNATURE: David A. Campbell

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: DEPARTMENT OF PUBLIC WORKS

DATE: 9/28/88

SIGNATURE: William W. Nicholas

CHIEF, BUREAU OF ENGINEERING

APPROVED: DEPARTMENT OF PUBLIC WORKS

DATE: 9/1/88

SIGNATURE: Charles S. Cravo Sr.

CHIEF, BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PUBLIC WORKS

DATE: 9/1/88

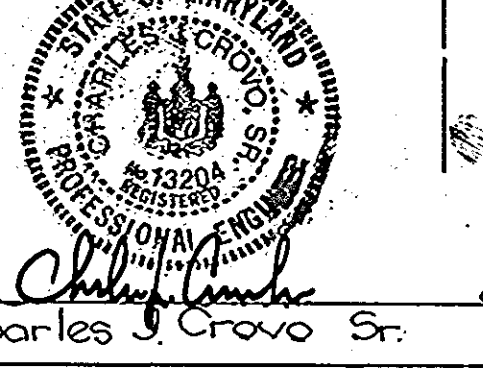
SIGNATURE: Charles S. Cravo Sr.

CHIEF, LAND DEVELOPMENT DIVISION

- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT.
 - CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND SEDIMENT TRAPS AS SHOWN ON PLAN. STABILIZE THE TRAPS WITH TEMPORARY SEEDING. INSTALL SILT FENCE AS SHOWN ON PLAN.
 - CONSTRUCT EARTH DIKES AND STABILIZE WITH TEMPORARY SEEDING. CONSTRUCT PIPE CULVERTS FROM E-1 TO E-2 AND E-3 TO E-4.
 - CONSTRUCT REMAINING STORM DRAINS AND INLETS.
 - INSTALL INLET PROTECTION DEVICES AS SHOWN ON PLAN.
 - GRADE ROADS TO SUBGRADE.
 - THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS. SEDIMENT SHALL BE REMOVED FROM THE TRAPS WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
 - THE SEDIMENT TRAPS SHALL BE Dewatered BY PUMPS, REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
 - REMOVE INLET PROTECTION DEVICES AND FLUSH STORM DRAIN SYSTEM TO REMOVE ANY TRAPPED SEDIMENT.
 - REMOVE STONE CONSTRUCTION ENTRANCE AND STRAW BALE DIKE/SILT FENCE. CLEAN BASE COURSE. APPLY TACK COAT TO BASE COURSE AND LAY SURFACE COURSE.
 - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS FOR ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - COMPLETE STABILIZATION OF ALL DISTURBED AREAS SHALL BE DONE PRIOR TO REMOVAL OF ALL SEDIMENT CONTROLS.
 - NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS FOR FINAL INSPECTION AT COMPLETION OF PROJECT.

Note: Reinforcing steel shall be free from mud oil or other non-metallic coatings that adversely affect bonding capacity. Bars shall be securely tied to prevent displacement during the placement of concrete.

FISHER, COLLINS AND CARTER INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 TELEPHONE: (301) 461-2855



Owner and Developer:
 Mr. Kennard Warfield Jr.
 c/o Howard County Land Services
 8807 Main Street
 Ellicott City Md
 21043

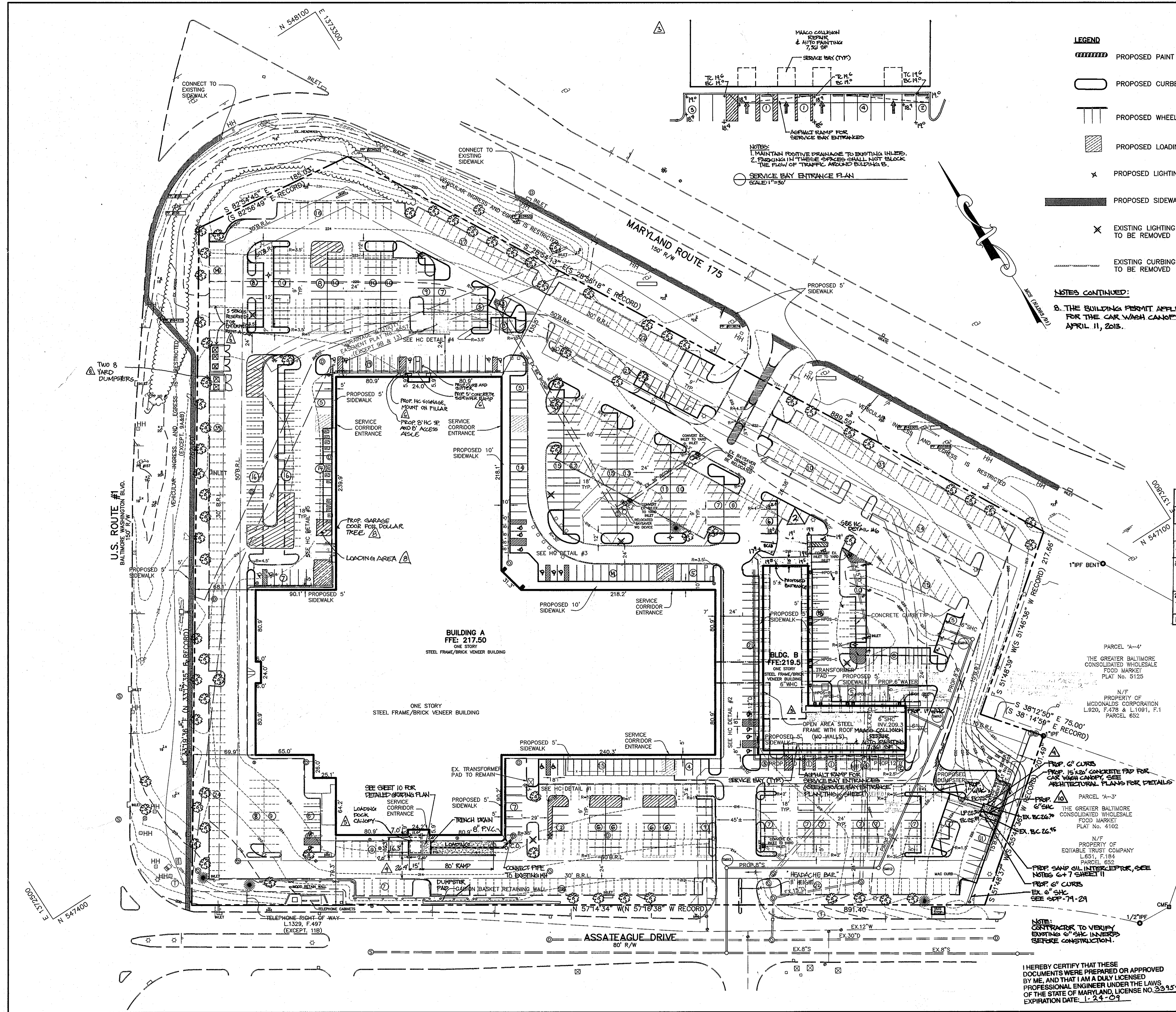
GRADING AND SEDIMENT CONTROL PLAN

WHITE WOOD ESTATES

LOTS 1 - 25
 4TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

Scale: As Shown June 10, 1988
 Sheet 7 of 6

1377

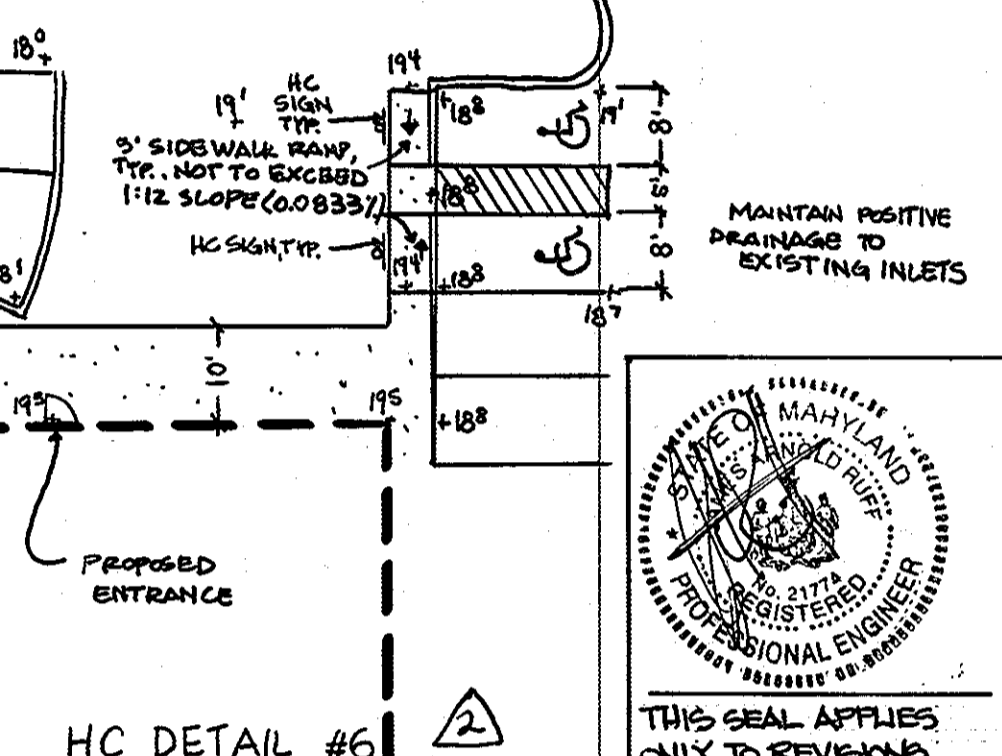


- LEGEND**
- PROPOSED PAINT STRIPING
 - PROPOSED CURBED ISLAND
 - PROPOSED WHEELSTOPS
 - PROPOSED LOADING AREA
 - PROPOSED LIGHTING
 - PROPOSED SIDEWALK
 - EXISTING LIGHTING TO BE REMOVED
 - EXISTING CURBING TO BE REMOVED

- NOTES:**
1. CURB RADII ARE 5' TYPICAL UNLESS OTHERWISE NOTED.
 2. BOUNDARY AND TOPOGRAPHIC INFORMATION IS FROM AVAILABLE SOURCES, AND PHR+A FIELD SURVEY.
 3. NO GRADING CHANGES ARE PROPOSED WITH THIS PLAN. PARKING LOT CURB, STRIPING, AND SIDEWALK WILL BE ADDED AS SHOWN. SIDEWALK ALONG U.S. ROUTE 1 WILL BE ADDED AS SHOWN.
 4. ALL PARKING SPACES SHALL BE 9' WIDE AND 18' LONG. ALL HANDICAPPED PARKING SPACES SHALL BE A MINIMUM OF 8' WIDE AND 18' LONG. ALL HANDICAPPED ACCESSIBLE AISLES SHALL BE 5' WIDE. ALL VAN ACCESSIBLE AISLES SHALL BE A MINIMUM OF 8' WIDE. ALL DRIVE AISLES SHALL BE A MINIMUM OF 24' WIDE.
 5. ALL CONSTRUCTION PER HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS.
 6. PAVEMENT/GRASS MOUNTED SAND OIL INTERCEPTOR. INTERCEPTOR SHALL BE MIN. 60" DIA., 11" x 2" WITH 60 LBS. SLUDGE CAPACITY, 300 LBS. SHIPPING WEIGHT. UNIT SHALL HAVE INTERNAL VENT SYSTEM WITH DEEP SEAL TRAP.
 7. SANITARY SEWER LINE BELOW SLAB/PAVEMENT WITH A MINIMUM 1/8" PER FOOT SLOPE. EXTEND TO EXISTING SANITARY SEWER CUT. VERIFY CLEAN OUT SIZE AND INVERT PRIOR TO EXCAVATION.

NOTES CONTINUED:

8. THE BUILDING PERMIT APPLICATION DEADLINE DATE FOR THE CAR WASH CANOPY IS APRIL 11, 2013.



DATE	NO.	REVISION
4/12/10	10	REVISE CAR WASH CANOPY SEWER HOUSE CONNECTION
3/5/12	9	ADD CAR WASH CANOPY & REMOVE 2 SPACES
10/17/11	8	ADD EXTERIOR, REMOVE 1/2 SPACES FOR TRUCK TURNING & LOADING
10/3/11	7	ADD CAR WASH CANOPY DRAIN
8/23/11	6	ADD HC PLS SP TO EL24A, DESIGNATE 5 SP FOR ENTERPRISE RENT-A-CAR AND ADD CAR WASH CANOPY
2/25/11	5	ADD LOADING DOCK CANOPY & REVISE PARKING LOT ISLANDS
11/14/08	4	APPROVED LOADING DOCK

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Josh D'Angelo 7/23/05
DIRECTOR DATE

Chris Hamilton 7/26/05
CHIEF, DEVELOPMENT ENGINEERING DIVISION MK DATE

Chris Hamilton 7/26/05
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION
8/30/05	1	ADD SHEET

OWNER
EASTGATE, LLC
8130 LEESBURG PIKE, SUITE 1100
VIENNA, VA 22182

DEVELOPER
ATLANTIC REALTY COMPANIES
ATTN: CHRIS FENCEL
8150 LEESBURG PIKE, SUITE 1100
VIENNA, VA 22182

PROJECT
EASTGATE SHOPPING CENTER

AREA
MARYLAND WHOLESALE FOOD CENTER
BLOCK B PARCEL B-1 TAX MAP 43
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE
SITE DEVELOPMENT PLAN

Patton Harris Rust & Associates, pc
Engineers, Surveyors, Planners, Landscape Architects.
8818 Centre Park Drive
Columbia, MD 21045
T 410.997.8900
F 410.997.9282

PHR+A
PROFESSIONAL ENGINEERS

DATE: 9-07-05

DESIGNED BY: ALC/JSN
DRAWN BY: ALC
PROJECT NO: 13227-1-0
DATE: AUGUST 30, 2005
SCALE: 1" = 50'
DRAWING NO. 11 OF 14

I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 33934 EXPIRATION DATE: 1-24-09

Deborah Mitchell
PROFESSIONAL ENGINEER

