ENGINEER'S CERTIFICATE

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

CHARLES J. CROVO, SR. — 1/23/86

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 ONSITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS AS ARE DEEMED NECESSARY.

Leonard D. Coates — 4/23/86
CENTENNIAL GROUP — DATE

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

3-20-86
U.S. SOIL CONSERVATION DISTRICT — DATE

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

Stephen K. Guba — 3/20/86
HOWARD SOIL CONSERVATION DISTRICT — DATE

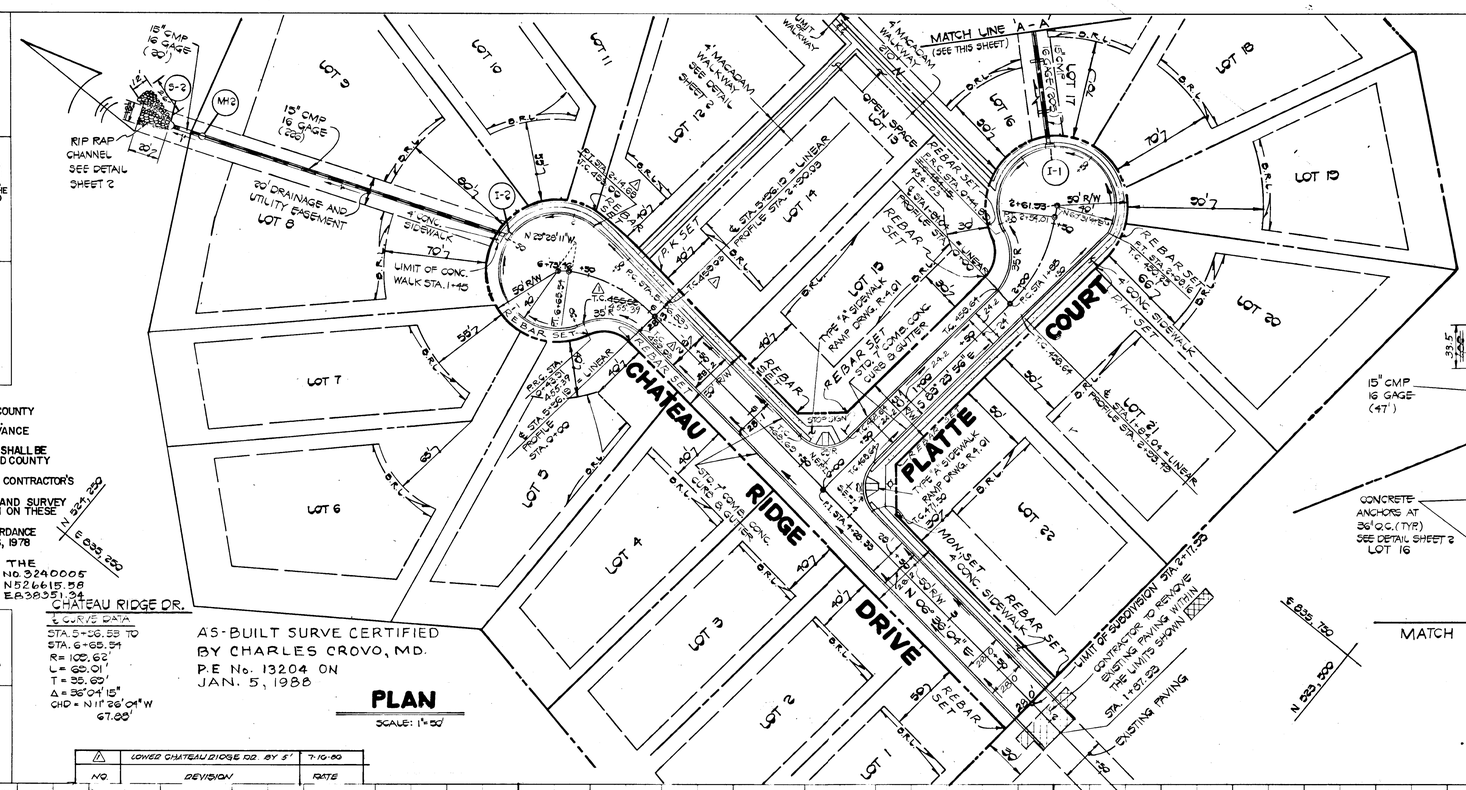
GENERAL NOTES

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 HOURS IN ADVANCE OF ANY CONSTRUCTION.
3. STORM DRAINAGE TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODE.
4. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY SHALL BE AT THE CONTRACTOR'S 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. TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 1978 EDITION.
7. THE HORIZONTAL CONTROL IS BASED ON THE FOLLOWING STATIONS NO. 3240004 AND NO. 3240005
   N526638.20 N526615.58
   E839509.87 E838251.34

APPROVED
DEPARTMENT OF PUBLIC WORKS
DIRECTOR OF ENGINEERING — 3-24-86

APPROVED
OFFICE OF PLANNING AND ZONING
DIRECTOR OF PLANNING AND ZONING ADMINISTRATION — 3-26-86 DATE

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	GRADES CHECKED		
NOTE BOOK NO.	RIGHT OF WAY CHECKED		

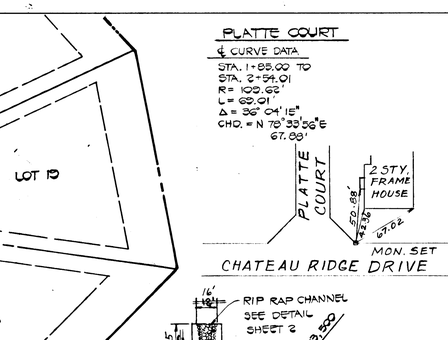


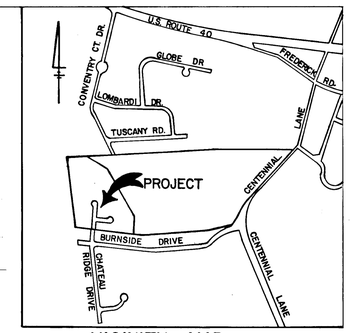
CHATEAU RIDGE DR.
CURVE DATA
STA. 5+56.58 TO STA. 6+65.54
R = 100.62'
L = 98.01'
T = 52.62'
Δ = 36°04'15"
CHD. = N11°26'04"W 67.88'

AS-BUILT SURVE CERTIFIED BY CHARLES CROVO, MD. P.E No. 13204 ON JAN. 5, 1988

PLAN
SCALE: 1"=50'

NO.	DEVISION	DATE
1	LOWED CHATEAU RIDGE CO. BY 5'	7-10-86





VICINITY MAP
SCALE: 1" = 1200'

BENCH MARKS

B.M. #1 — ELEV. 389.07
RIM ELEVATION ON EX. SANITARY MH #2249 (CONTR. #179-S)

B.M. #2 — ELEV. 386.52
RIM ELEVATION ON EX. SANITARY MH #2248 (CONTR. #179-S)
(SEE SHEET 3 FOR LOCATION OF BENCH MARKS)

CENTENNIAL MANOR
SECTION ONE AREA ONE
LOTS 1-22
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

CHATEAU RIDGE DRIVE — PLAN & PROFILE

PLATTE COURT — PLAN & PROFILE

OWNER AND DEVELOPER

MRS. GERTRUDE FEAGA
C/O HOWARD COUNTY LAND SERVICES
10176 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

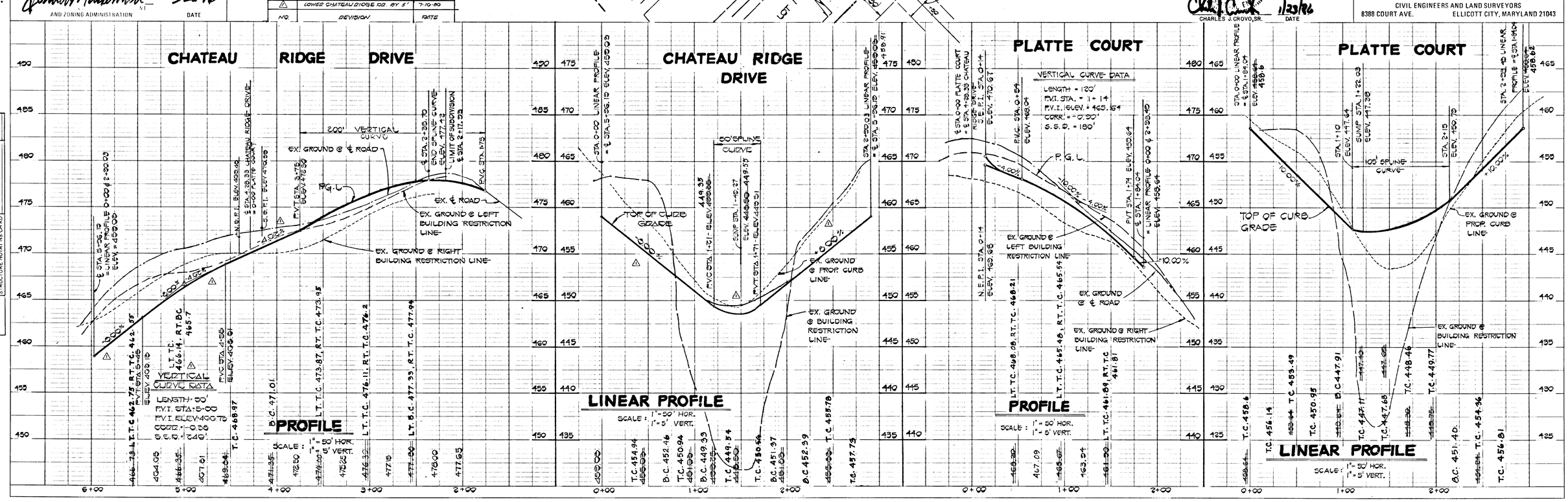
CENTENNIAL GROUP
10176 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

SCALE AS SHOWN	DATE JANUARY 24, 1986	DWG. NO. 1 OF 3	
DES. C. CROVO	DRN. D. NEWTON	CHK. R.B. CARTER	

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

STATE OF MARYLAND — CHARLES J. CROVO, JR. — No. 13204 — REGISTERED PROFESSIONAL ENGINEER

CHARLES J. CROVO, SR. — 1/23/86 DATE



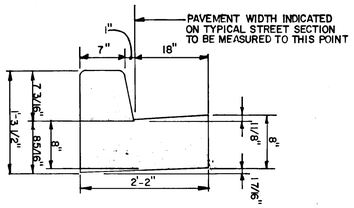
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
NOTE BOOK NO.	STRUCTURE NOTATNS CHKD		

1198

AS BUILT JAN. 5, 1988

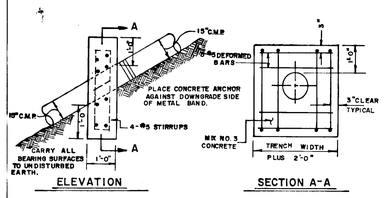
F86-117

ROAD NAME	CLASSIFICATION	DESIGN SPEED	ZONING	℄ STA. LIMITS	✳
CHATEAU RIDGE DRIVE	CUL DE SAC	30 M.P.H	R-20	2+79.3 TO 5+96.19	28'
PLATTE COURT	CUL DE SAC	30 M.P.H	R-20	0+00 TO 1+84.04	24'



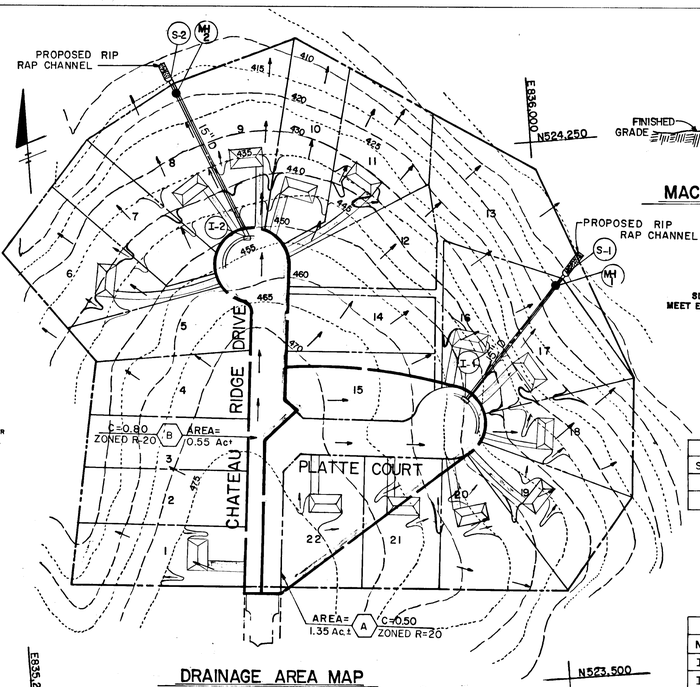
STANDARD SLOPE 7" COMB. CONC. CURB & GUTTER

NO SCALE



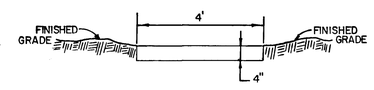
CONCRETE ANCHOR DETAIL

NO SCALE



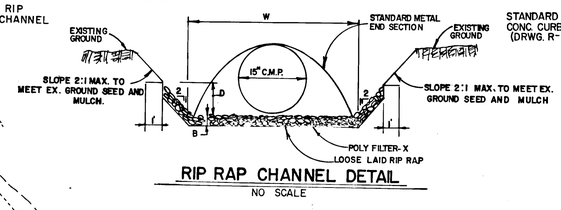
DRAINAGE AREA MAP

SCALE: 1" = 100'



MACADAM WALKWAY DETAIL

NO SCALE

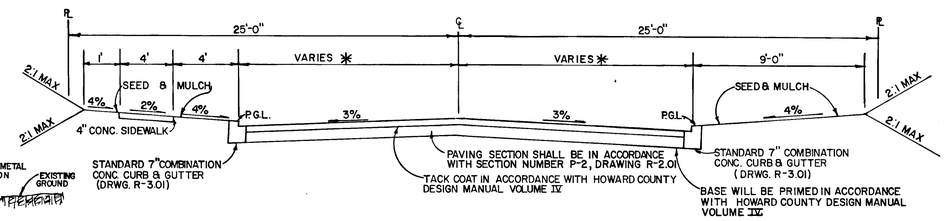


RIP RAP CHANNEL DETAIL

NO SCALE

RIP RAP CHANNEL DESIGN DATA														
STRUCTURE	A[2]	P[1]	R	R 2/3	S	S½	N	Q	V	D	W	RIP RAP SIZE d 50	RIP RAP SIZE d max.	B
S-1	2.15	5.97	.36	.50	1.00%	0.10	0.04	4.03 c.f.s	1.87 f.p.s	0.44'	4'	6"	9"	14"
S-2	1.95	5.79	.33	.48	1.00%	0.10	0.04	3.40 c.f.s	1.77 f.p.s	0.40'	4'	6"	9"	14"

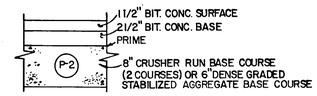
STRUCTURE SCHEDULE						
NO.	TYPE	INV. IN	INV. OUT	℄ TOP ELEV.	ROAD STATION	REMARKS
I-1	A-5	—	443.46	~~447.38~~ 444.55	LINEAR PROFILE STA. 1+22.03 PLATTE COURT.	DWG. S.D. 4.01
I-2	A-5	—	~~424.35~~ 424.11	~~427.27~~ 427.27	LINEAR PROFILE STA. 1+49.27 CHATEAU RIDGE DRIVE	DWG. S.D. 4.01
MH-1	STANDARD MANHOLE	~~391.75~~ 391.88	~~391.50~~ 391.50	~~397.27~~ 397.47	—	DWG. G. 5.01
MH-2	STANDARD MANHOLE	~~410.67~~ 409.94	~~409.69~~ 409.69	~~417.53~~ 415.56	—	DWG. G. 5.01
S-1	METAL END SECTION	—	~~388.00~~ 388.00	~~392.21~~ 389.25	—	DWG. S.D.5.61
S-2	METAL END SECTION	—	~~409.50~~ 409.50	~~412.27~~ 410.75	—	DWG. S.D.5.61



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

TYPICAL ROADWAY SECTION

NO SCALE



PAVING SECTION P-2

NO SCALE

AS-BUILT SURVEY CERTIFIED BY CHARLES CROVO, MD. P.E No. 13204 ON JAN. 5, 1988

CENTENNIAL MANOR

SECTION ONE AREA ONE
LOTS 1-22
SECOND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

DRAINAGE AREA MAP, STORM DRAIN PROFILES, ROAD SECTION, AND DETAILS

OWNER AND DEVELOPER

MRS. GERTRUDE FEAGA
C/O HOWARD COUNTY LAND SERVICES
10176 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

CENTENNIAL GROUP
10176 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

SCALE AS SHOWN	DATE JANUARY 24, 1986	DWG. NO. 2 OF 5
DES C. CROVO	DRN. D. NEWTON	CHK. R.B. CARTER

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

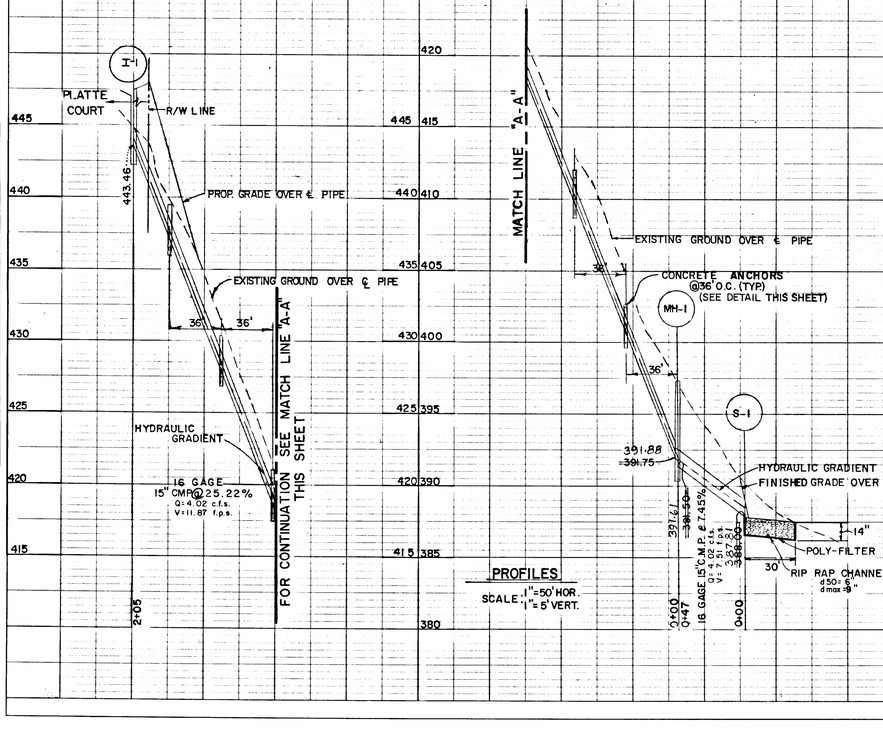
APPROVED
DEPARTMENT OF PUBLIC WORKS
CHIEF, BUREAU OF ENGINEERING — DATE 3-28-86

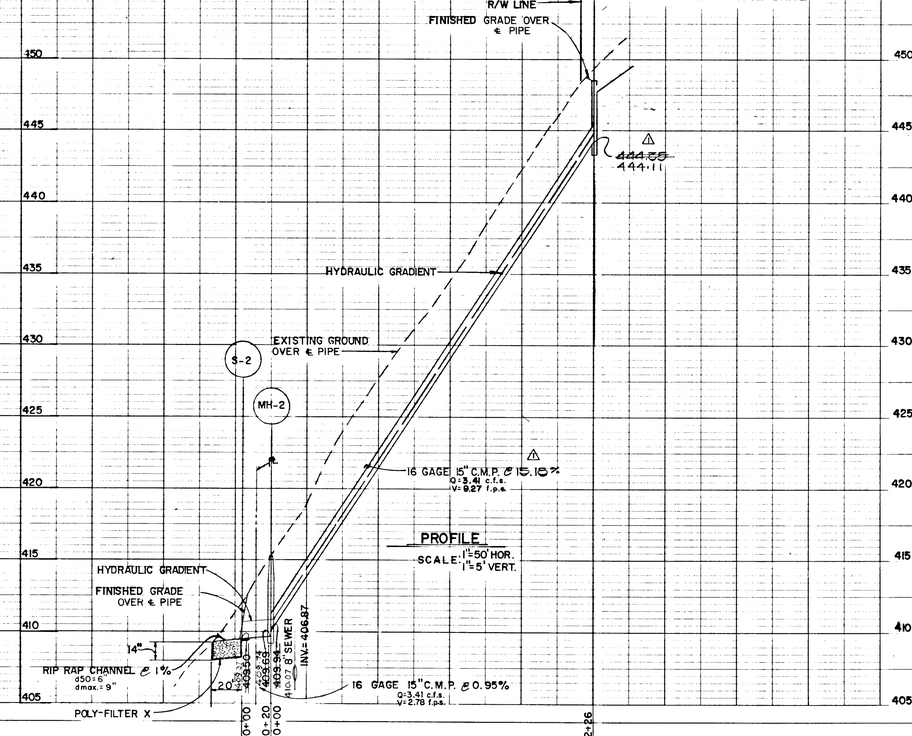
APPROVED
OFFICE OF PLANNING AND ZONING
AND ZONING ADMINISTRATION — DATE 3-26-86

NO	REVISION	DATE
1	ADJUST STRUCTURE SCHEDULE I-2 & PROFILE DUE TO 2000 GRADE CHANGE ON CHATEAU RIDGE DRIVE	7-17-86

PROFILE — SURVEYED, PLOTTED, GRADES CHECKED, B.M.'s NOTED, STRUCTURE NOTATNS CHKD — BY — DATE — NOTE BOOK NO.

PLAN — SURVEYED, PLOTTED, ALIGNMENT CHECKED, RT. OF WAY CHECKED. — BY — DATE — NOTE BOOK NO.





11198

F86-117

AS-BUILT JAN. 5, 1988

PERMANENT SEEDING NOTES:

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

SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULE.

1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQUARE FT) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ.FT.).
2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 1000 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 THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 1½ TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES:

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.)

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2½ BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ.FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (.07 LBS/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1½ TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

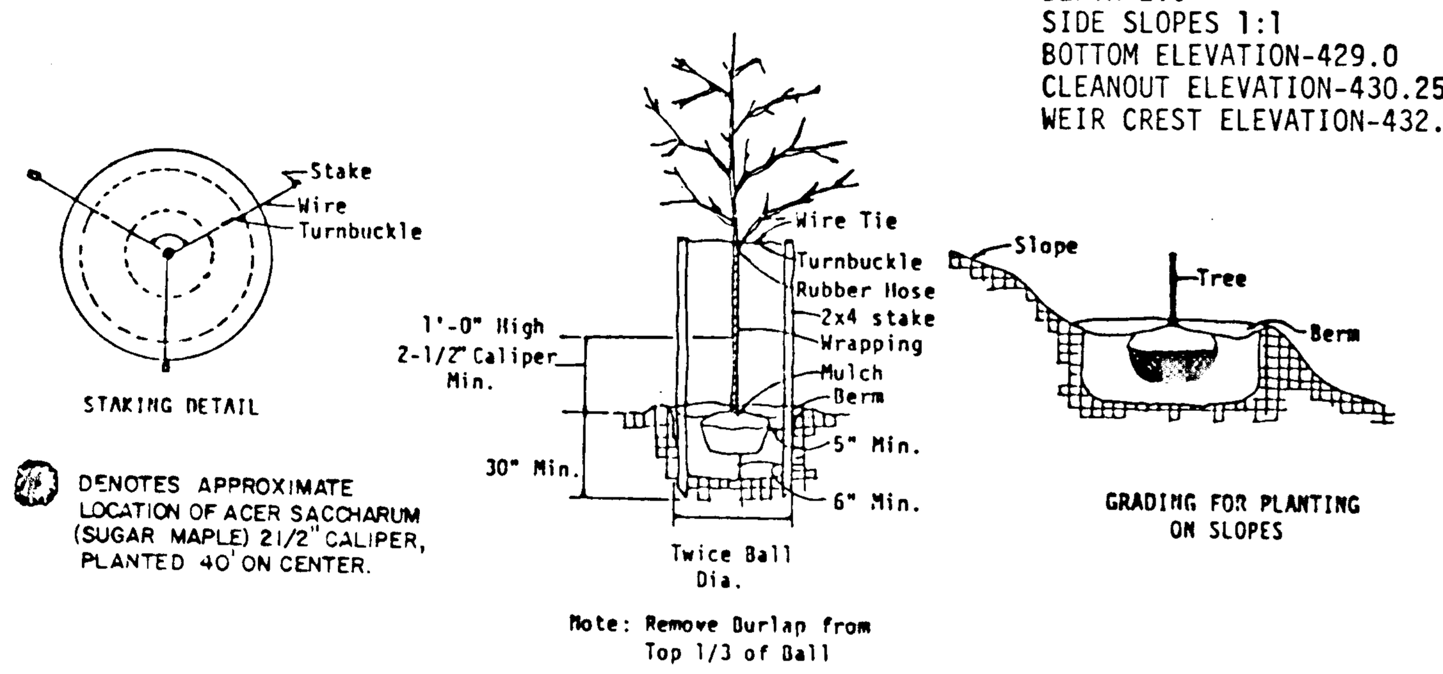
REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

STONE OUTLET SEDIMENT TRAP #2 DATA:

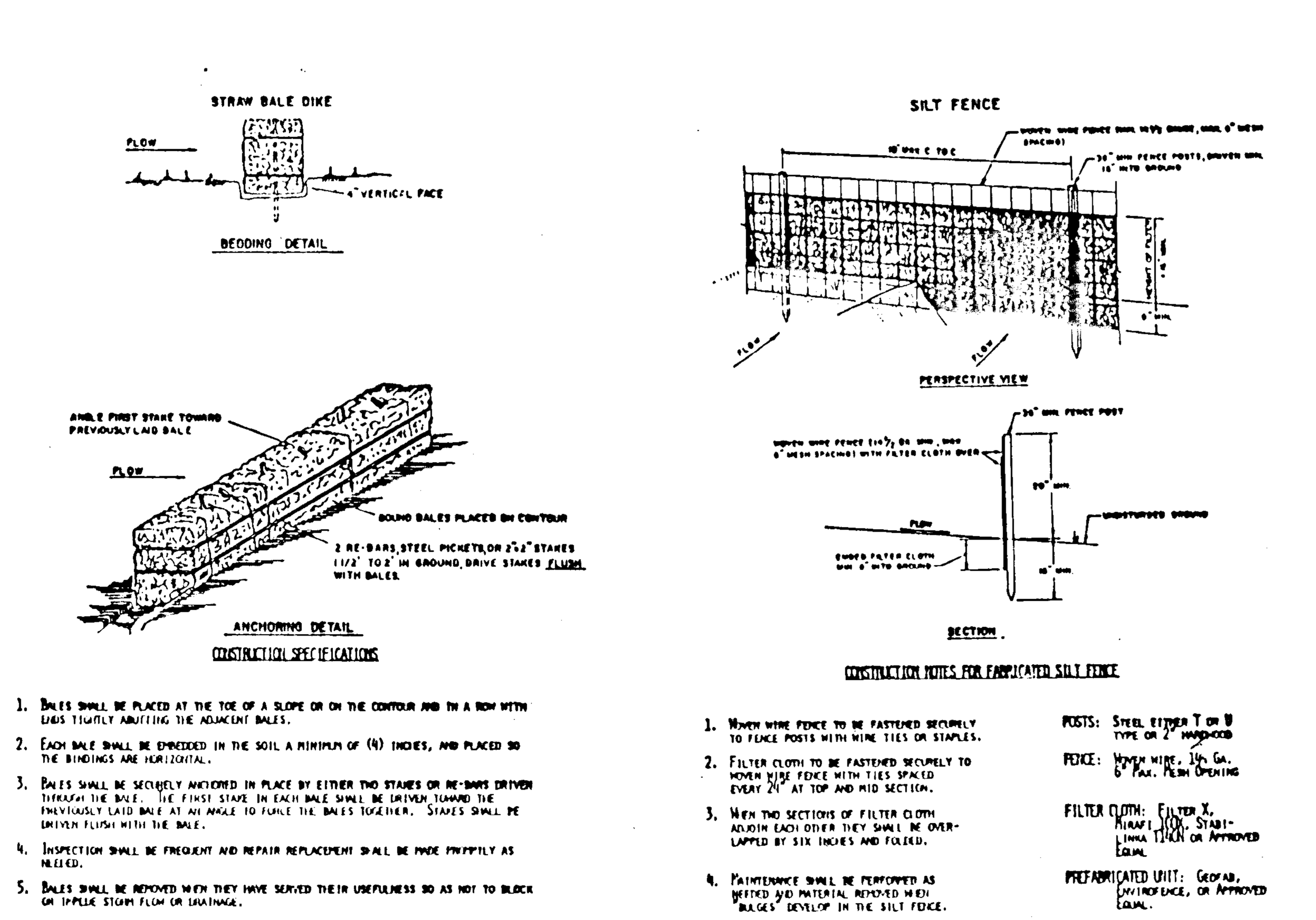
DRAINAGE AREA-1.0 AC.±
VOLUME REQUIRED-67 CU.YDS.
VOLUME PROVIDED-67 CU.YDS.
TOP DIMENSIONS-78' x 12'
BOTTOM DIMENSIONS-73' x 7'
DEPTH-2.5'
SIDE SLOPES 1:1
BOTTOM ELEVATION-429.0
CLEANOUT ELEVATION-430.25
WEIR CREST ELEVATION-432.5

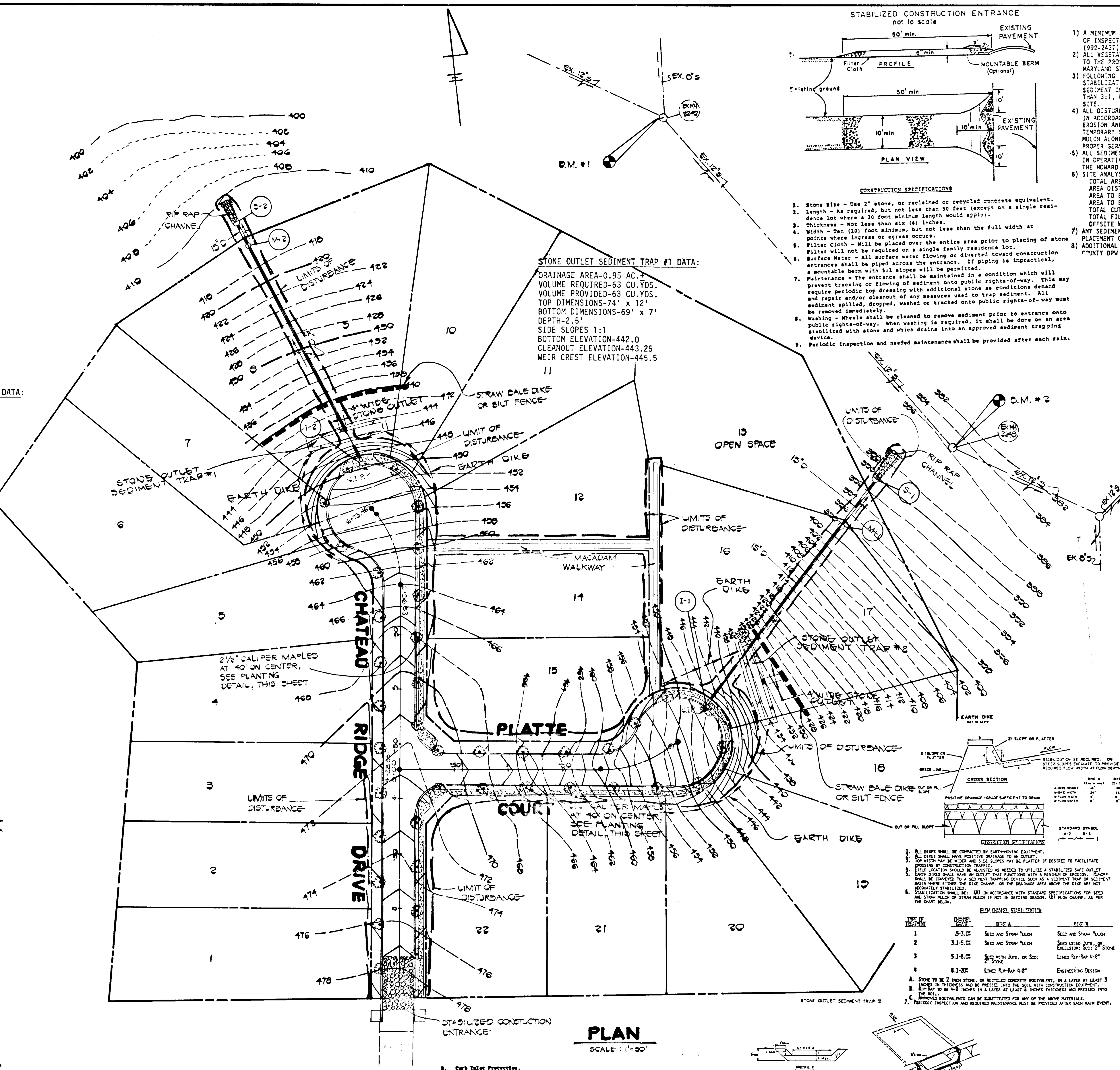
STONE OUTLET SEDIMENT TRAP #1 DATA:

DRAINAGE AREA-0.95 AC.±
VOLUME REQUIRED-63 CU.YDS.
VOLUME PROVIDED-63 CU.YDS.
TOP DIMENSIONS-74' x 12'
BOTTOM DIMENSIONS-69' x 7'
DEPTH-2.5'
SIDE SLOPES 1:1
BOTTOM ELEVATION-442.0
CLEANOUT ELEVATION-443.25
WEIR CREST ELEVATION-445.5



NOTE: CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES PRIOR TO DIGGING. FINAL LOCATIONS OF TREES MAY BE ADJUSTED SLIGHTLY TO ACCOMMODATE FIELD CONDITIONS. PLANTING PROCEDURES SHALL COMPLY WITH "LANDSCAPE SPECIFICATIONS FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS". SUBSTITUTIONS TO THE ABOVE SPECIES MAY BE PERMITTED, PROVIDED THAT THE PLANTING IS IN ACCORDANCE WITH THE STREET TREE AND LANDSCAPE REQUIREMENTS AS SPECIFIED IN SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS.





STABILIZED CONSTRUCTION ENTRANCE
not to scale

CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. 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.
6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 5:1 slopes will be permitted.
7. 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 spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
8. 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.
9. Periodic inspection and needed maintenance shall be provided after each rain.

SEDIMENT CONTROL NOTES:

1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
2) 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.
3) 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.
4) 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) SOD (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.
5) 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.
6) SITE ANALYSIS:

TOTAL AREA OF SITE	20.8	ACRES
AREA DISTURBED	1.7	ACRES
AREA TO BE ROOFED OR PAVED	0.75	ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.95	ACRES
TOTAL CUT	—	CU.YDS.
TOTAL FILL	—	CU.YDS.
OFFSITE WASTE/BORROW AREA LOCATION		

7) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
8) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.

ENGINEER'S CERTIFICATE

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

SIGNATURE — DATE 1/23/86

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 AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

SIGNATURE OF DEVELOPER — DATE 1/23/1986

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

U.S. SOIL CONSERVATION SERVICE — DATE 3-20-86

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

APPROVED:
DISTRICT — DATE 3-20-86
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PUBLIC WORKS.

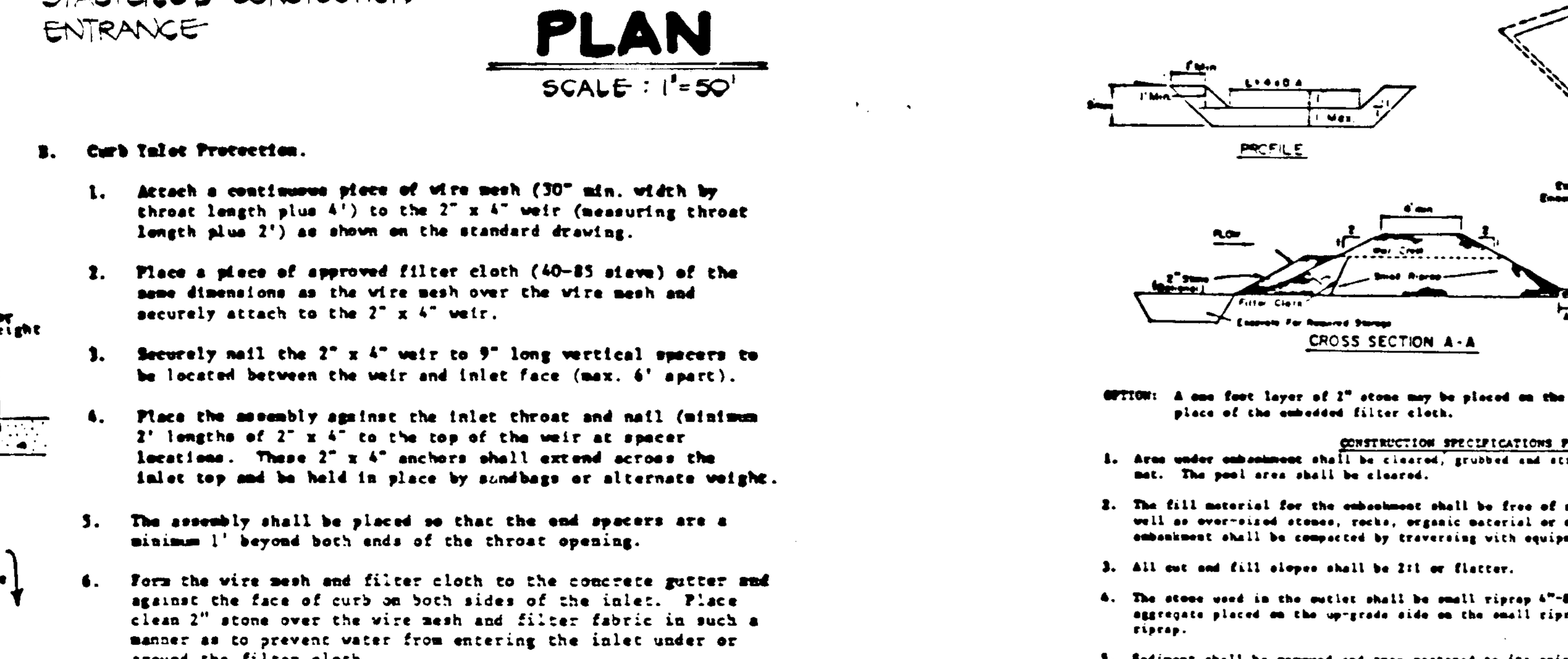
CHIEF, BUREAU OF ENGINEERING — DATE 3-24-86

APPROVED: OFFICE OF PLANNING AND ZONING

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION — DATE 3-26-86

CONSTRUCTION SEQUENCE:

1. OBTAIN GRADING PERMIT. 2 DAYS
2. CONSTRUCT STONE CONSTRUCTION ENTRANCE. 1 DAY
3. INSTALL STRAW BALE DIKES OR SILT FENCE AS SHOWN ON PLAN. 1 DAY
4. CONSTRUCT STONE OUTLET SEDIMENT TRAPS AND EARTH DIKES AND STABILIZE WITH TEMPORARY SEEDING. 2 DAYS
5. GRADE ROADS TO SUBGRADE STABILIZING SLOPE AREAS BETWEEN EXISTING GROUND AND BACK OF CURB USING PERMANENT SEEDING. 1 WEEK
6. CONSTRUCT STORM DRAIN SYSTEM. CONTRACTOR SHALL PLACE STRAW BALE DIKES OR SILT FENCE DOWNGRADE OF ANY DISTURBED AREA AT THE END OF EACH WORKING DAY. 4 DAYS
7. INSTALL INLET PROTECTION DEVICES AT ALL STORM DRAIN INLETS. 1 DAY
8. CONSTRUCT CONCRETE CURB AND LAY BASE COURSE. 1 WEEK
9. UPON STABILIZATION OF GRADED AREAS, INLETS SHALL BE OPENED AND ALL ACCUMULATED SEDIMENT SHALL BE REMOVED FROM THE STORM DRAIN SYSTEM. INSTALL RIP RAP CHANNELS. 1 DAY
10. DURING CONSTRUCTION AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
11. REMOVE STONE CONSTRUCTION ENTRANCE, STONE OUTLET SEDIMENT TRAPS AND EARCH DIKES. 2 DAYS
12. CLEAN BASE COURSE. APPLY TACK COAT TO BASE COURSES AND LAY SURFACE COURSE. STABILIZE ALL SHOULDERS USING PERMANENT SEEDING.
13. ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING. 1 DAY
14. 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 OR THE PROJECT SITE.



AS-BUILT SURVEY CERTIFIED
BY CHARLES CROVO, MD.
PE No. 13204 ON JAN. 5, 1988

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OWNER
MRS. GERTRUDE FEAGA
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10176 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

DEVELOPER
CENTENNIAL GROUP
10176 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043

STREET TREE, GRADING AND SEDIMENT CONTROL PLAN

CENTENNIAL MANOR

SECTION 1 AREA 1

2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1"=50'
JANUARY 24, 1986
SHEET 3 OF 3

1198

AS-BUILT JAN 5, 1988 F86-117