

APPROVED
DEPARTMENT OF PUBLIC WORKS

Alan Damman
CHIEF, LAND DEVELOPMENT DIVISION
DATE: 4/25/94

Andrew M. Decker
CHIEF, BUREAU OF HIGHWAYS
DATE: 4-21-94

APPROVED
DEPARTMENT OF PUBLIC WORKS

Donald Seaman
CHIEF, BUREAU OF ENGINEERING
DATE: 4/25/94

APPROVED
DEPARTMENT OF PLANNING AND ZONING

Richard Blouel
CHIEF, DIVISION OF COMMUNITY PLANNING AND RESEARCH
DATE: 5/13/94

DEER TRACK
LOTS 1-15
TAX MAP: 34 & 40 PARCELS 127 & 141
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

CORTINA DRIVE
PLAN & PROFILE

OWNERS AND DEVELOPERS

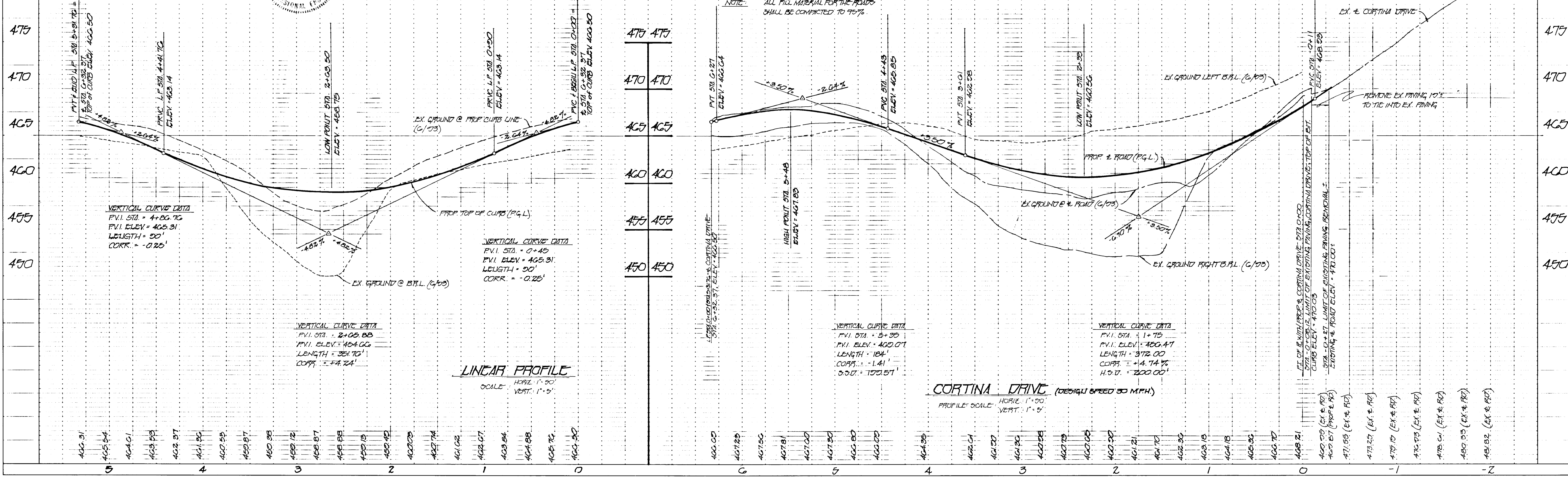
HOPKINS, BUCHHEIT, & MARY ET AL. CLAY HAVILAND HILL ROAD CLARKSVILLE, MARYLAND 21820
CARMAN ASSOCIATES, P.O. BOX 102, ELLICOTT CITY, MD 21043 (410) 788-5766

DILLMAN, CLARENCE & JONIA GOOD MINN HOLLOW RD HIGHLAND, MARYLAND 20771

DES. M. TAYLOR
DATE: DEC. 13, 1993
DWG. NO. 1 OF 4

CHK. C. CARVO

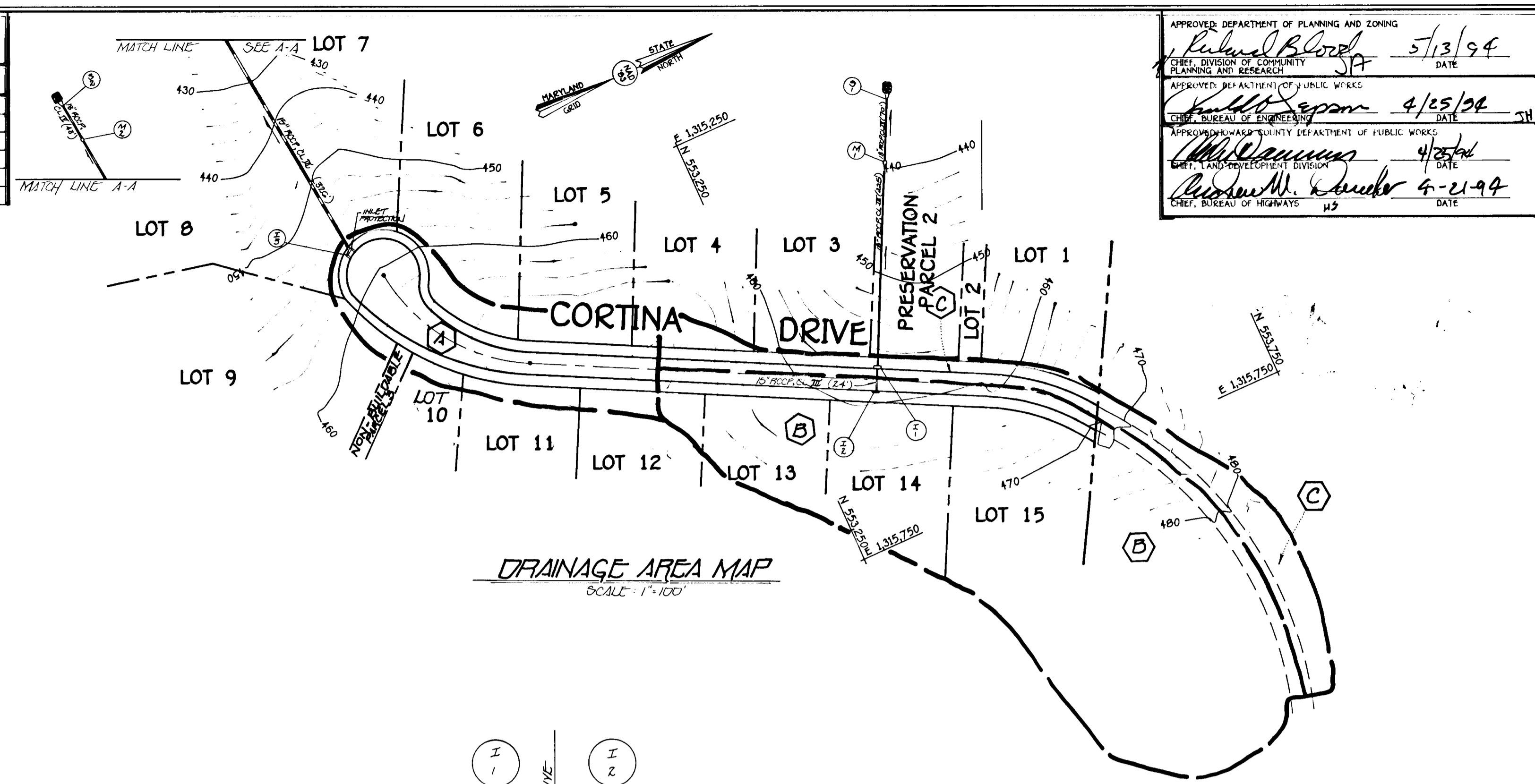
FISHER, COLLINS, AND CARTER, INC.
CIVIL ENGINEERING CONSULTANTS AND LAND SURVEYORS
9171 BALTIMORE NATIONAL PIKE, SUITE 100
ELLICOTT CITY, MARYLAND 21042
TEL: 410-461-2855 FAX: 410-750-3784



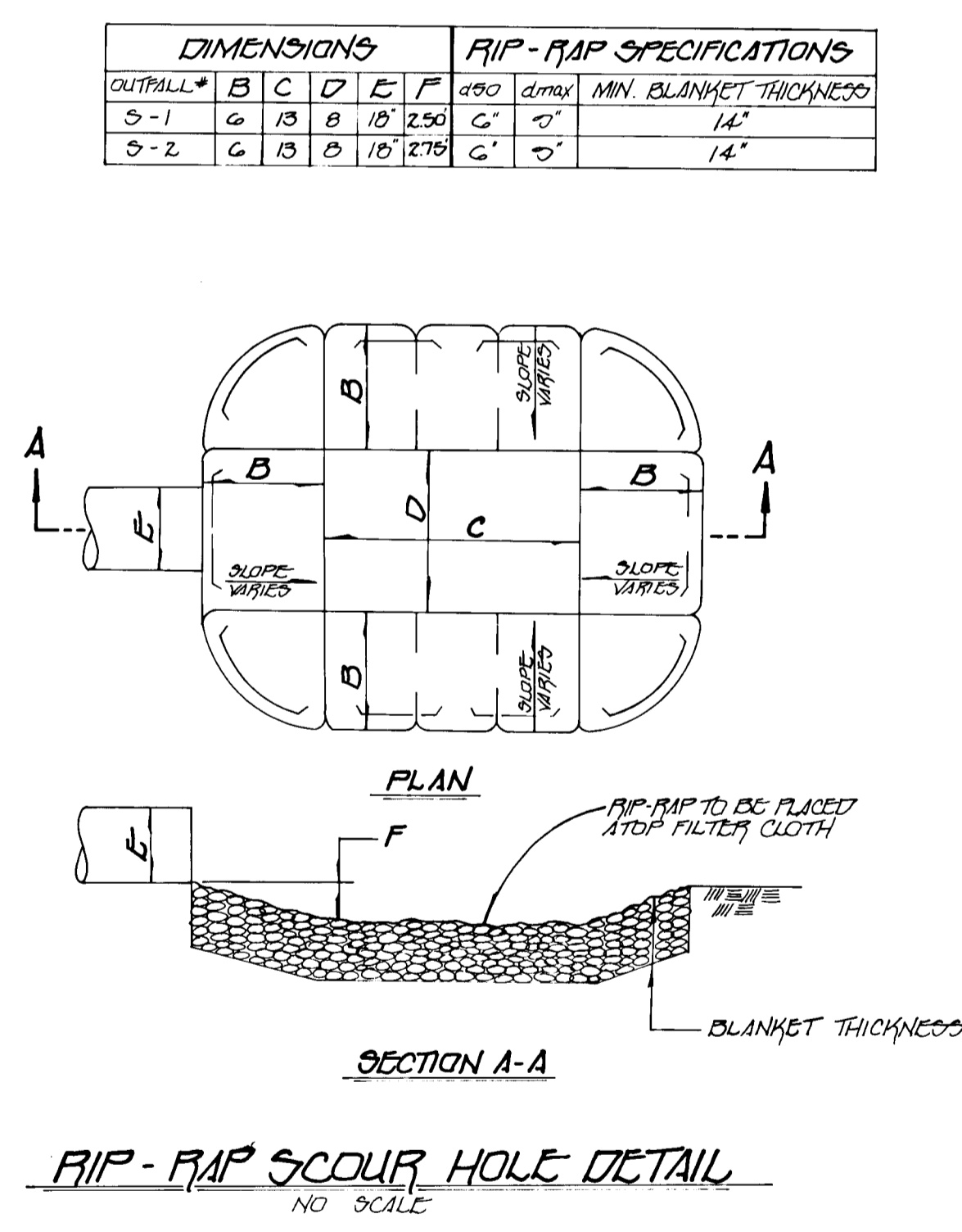
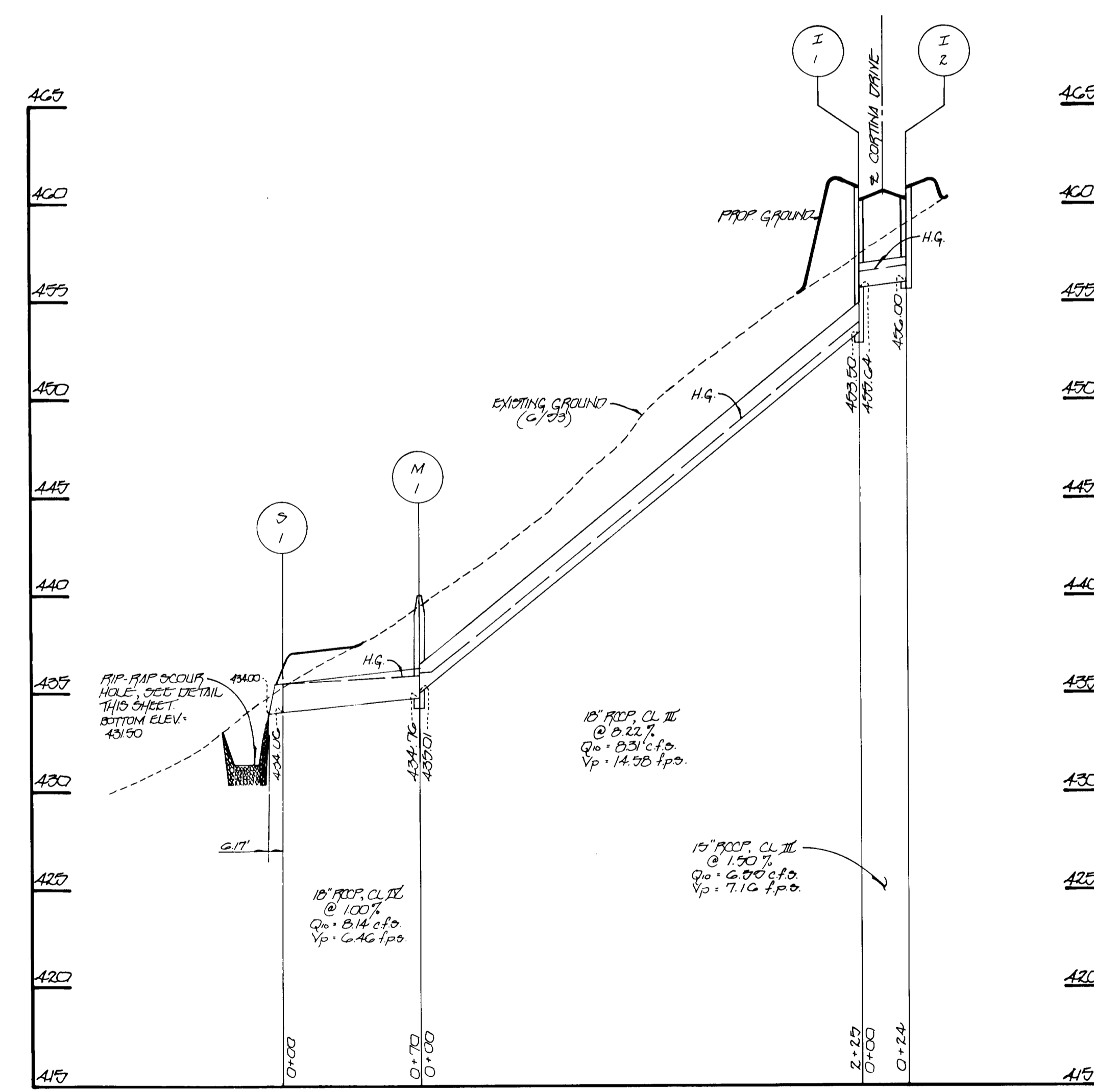
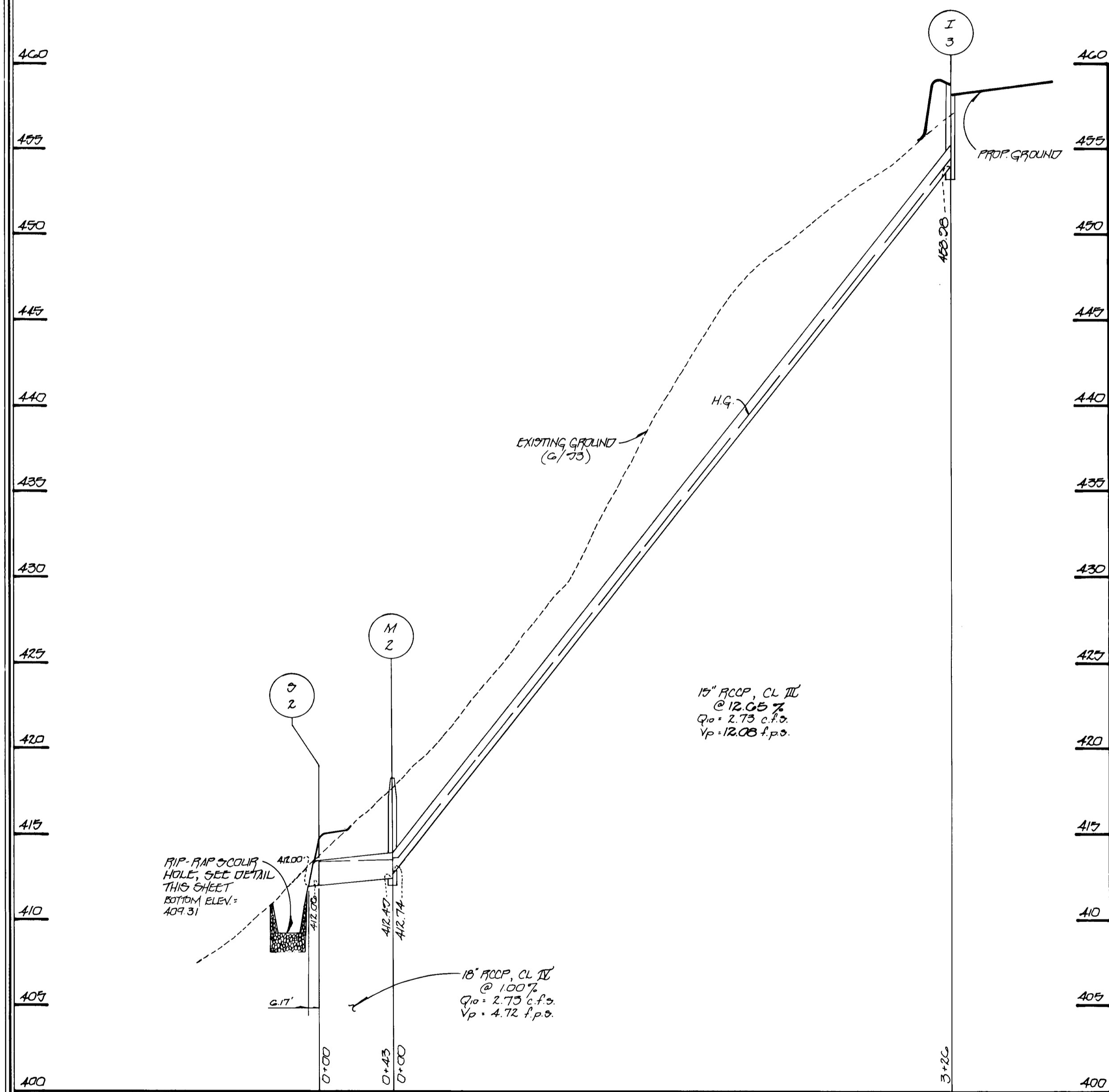
4694

STRUCTURE SCHEDULE								
STRUCTURE NO.	TOP ELEVATION	INV.IN	INV.OUT	ROAD NAME	ROAD STA.	OFFSET	TYPE	REMARKS
I-1	460.31	457.64	453.50	CORTINA DRIVE	4+07A 2+33	12' RT	A-3	3.07 4.01
I-2	460.31	---	456.00	CORTINA DRIVE	4+07A 2+33	12' LT	A-10	3.07 4.02
I-3	456.23	---	453.50	CORTINA DRIVE	L.P. STA 2+63.00	---	A-5	3.07 4.01
M-1	440.23	439.01	434.76	SEE PLAN	SEE PLAN	---	STD MH	9-301
M-2	418.27	412.74	412.47	SEE PLAN	SEE PLAN	---	STD MH	9-301
S-1	413.56	412.00	412.00	SEE PLAN	SEE PLAN	---	CONC. END SECT.	3.07 3.01
S-2	433.56	434.00	434.00	SEE PLAN	SEE PLAN	---	CONC. END SECT.	3.07 3.01

DRAINAGE AREAS					
INLET	D.A.#	AREA AC.	'C'	ZONED	XIMP
I-1	C	0.70	0.46	RM	3.2
I-2	B	3.97	0.34	RM	3.0
I-3	A	0.37	0.46	RM	3.7



APPROVED DEPARTMENT OF PLANNING AND ZONING
 Robert B. ... 5/13/94
 APPROVED DEPARTMENT OF PUBLIC WORKS
 ... 4/25/94
 APPROVED DEPARTMENT OF PUBLIC WORKS
 ... 4/25/94
 APPROVED DEPARTMENT OF PUBLIC WORKS
 ... 4-21-94



STORM DRAIN PROFILES
SCALE: HORIZ. 1"=50' VERT. 1"=5'

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 971 BALTIMORE NATIONAL PIKE, SUITE 300
 ELLICOTT CITY, MARYLAND 21042
 (410) 461-2855

OWNERS
 HOPKINS, BUSHROD AND MARY ET. AL.
 6761 HAVILAND MILL ROAD
 CLARKSVILLE, MARYLAND 21029
 DILLMAN, CLARENCE AND JONA
 6828 MINK HOLLOW ROAD
 HIGHLAND, MARYLAND 20777

DEVELOPER / CONTRACT PURCHASER
 CARMAN ASSOCIATES
 P.O. BOX 122
 ELLICOTT CITY, MARYLAND 21043
 (410) 788-5726

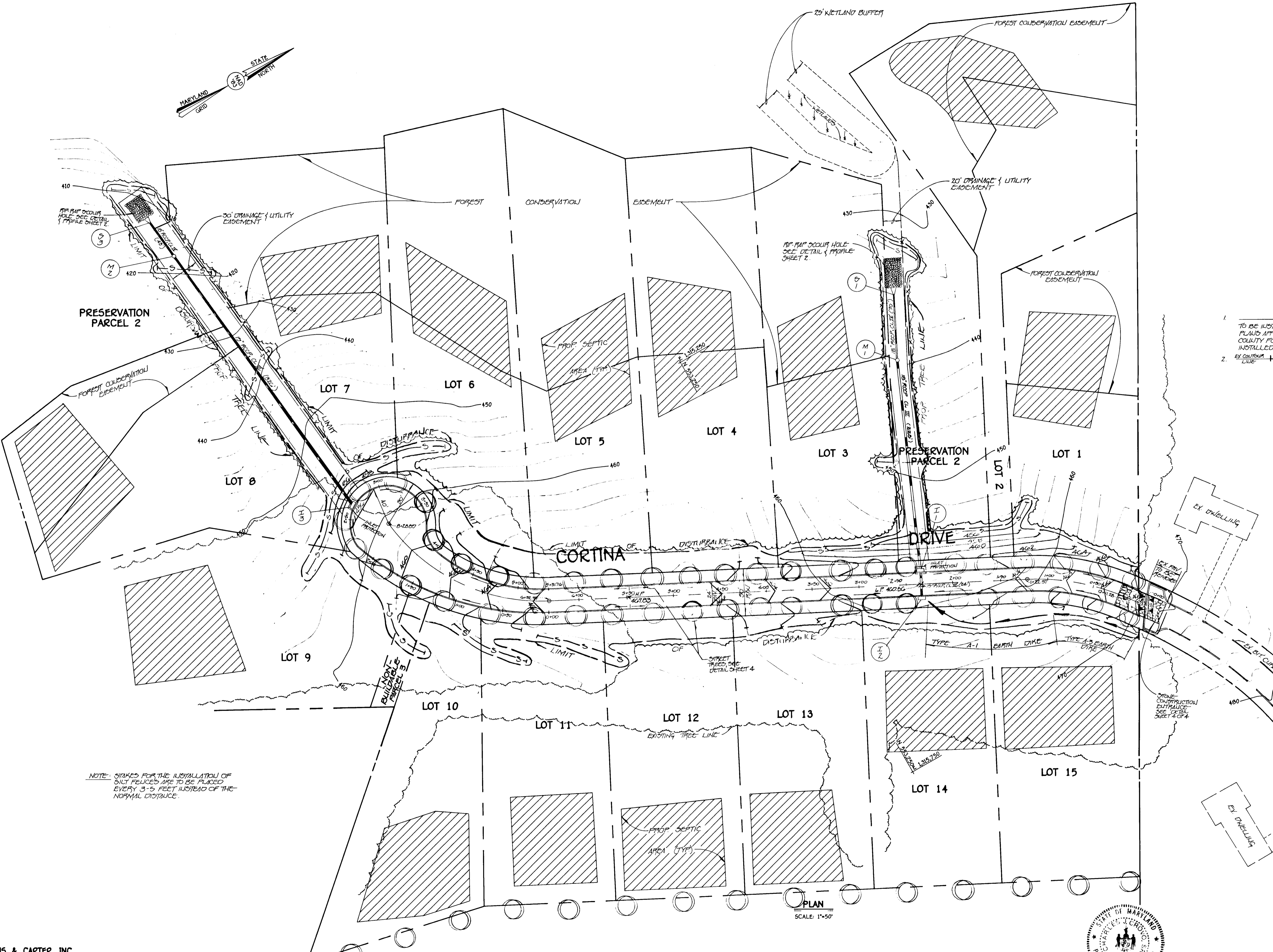
CHARLES J. CROVO, SR.
 DATE: 12/29/93

STORM DRAIN PROFILES AND DRAINAGE AREA MAP
DEER TRACK
 LOTS 1-15
 TAX MAP: 34 AND 40 PARCELS: 129 AND 161
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DECEMBER 13, 1993
 SHEET 2 OF 4

1697

1694

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
971 BALTIMORE NATIONAL PIKE, SUITE 100
ELICOTT CITY, MARYLAND 21117
(410) 441-2955



NOTE: STAKES FOR THE INSTALLATION OF SIGHT FENCES ARE TO BE PLACED EVERY 3-5 FEET INSTEAD OF THE NORMAL DISTANCE.

OWNERS
HOPKINS, BUSHROD AND MARY ET. AL.
6761 HAVILAND HILL ROAD
CLARKSVILLE, MARYLAND 21209
DILLMAN, CLARENCE AND JONA
6828 MINK HOLLOW ROAD
HIGHLAND, MARYLAND 20777

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P.O. BOX 122
ELICOTT CITY, MARYLAND 21043
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CHARLES J. CROVO, SR. DATE 12/13/93

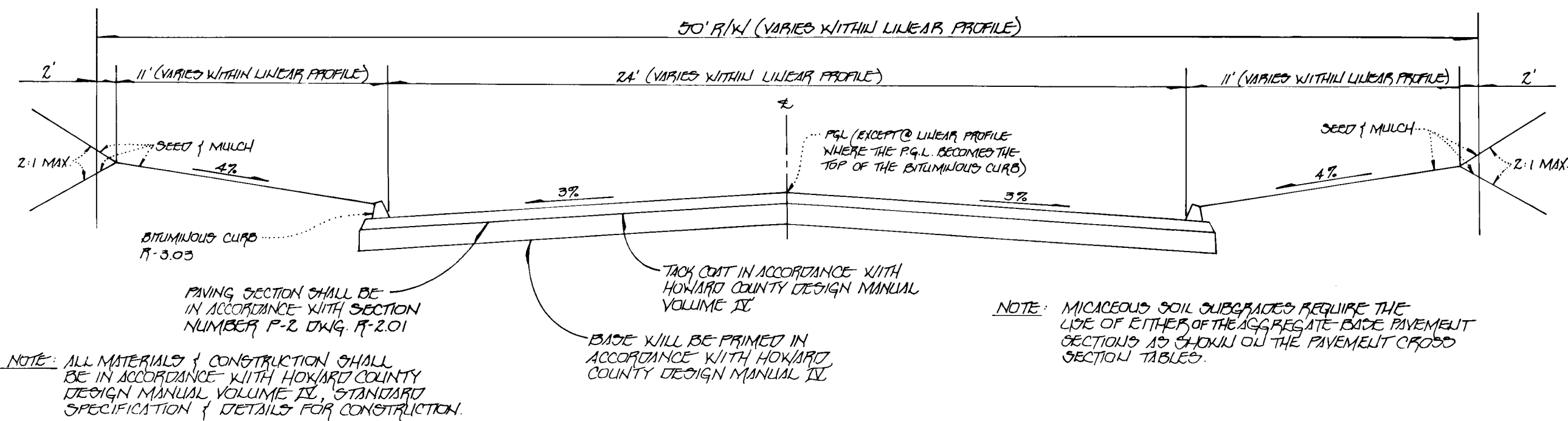
ENGINEER'S CERTIFICATE	
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.	
SIGNATURE OF ENGINEER	12/13/93 DATE
DEVELOPER'S CERTIFICATE	
I HEREBY 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	4/5/1994 DATE
REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS	
SIGNATURE OF DISTRICT ENGINEER	4/11/94 DATE
THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.	
APPROVED	4/11/94 DATE
DISTRICT HOWARD SOIL CONSERVATION DIST.	
APPROVED DEPARTMENT OF PLANNING AND ZONING	
SIGNATURE OF CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH	5/13/94 DATE
APPROVED DEPARTMENT OF PUBLIC WORKS	
SIGNATURE OF CHIEF, BUREAU OF ENGINEERING	4/25/94 DATE
APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
SIGNATURE OF CHIEF, BUREAU OF HIGHWAYS	4-21-94 DATE

1. _____ X _____ DENOTES TREE PROTECTION DEVICES TO BE INSTALLED IN ACCORDANCE WITH THE APPROVED FOREST CONSERVATION PLANS APPROVED UNDER SP#93-24. AND IN ACCORDANCE WITH THE HOWARD COUNTY FOREST CONSERVATION MANUAL TREE PROTECTION DEVICES SHALL BE INSTALLED ON EACH INDIVIDUAL LOT PRIOR TO CONSTRUCTION OF A DWELLING.
2. EX. CONTOUR LINE | PROP. CONTOUR LINE

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.12A OF THE HOWARD COUNTY CODE & LANDSCAPING MANUAL. FINANCIAL SECURITY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE PUBLIC WORKS DEVELOPER'S AGREEMENT.

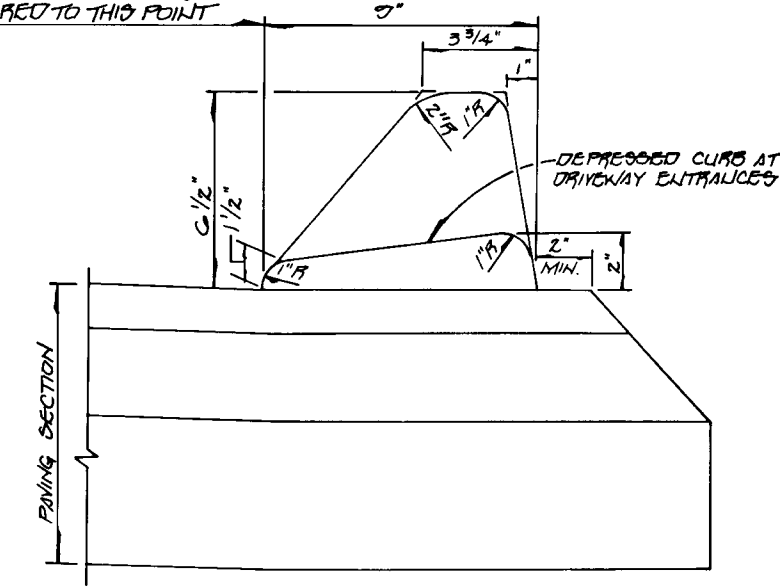
GRADING, SEDIMENT CONTROL, SIGHT FENCES & LANDSCAPING PLAN
DEER TRACK
LOTS 1-15
TAX MAP 34 AND 40 PARCELS: 129 AND 161
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
DECEMBER 13, 1993
SHEET 3 OF 4

ROAD NAME	CLASSIFICATION	DESIGN SPEED	ZONING	± STA. LIMITS	PAVING SECTION
CORTINA DRIVE	CUL - UC - OAC	30 MPH	RR	578-0.27 to 078-0.2050	P-2

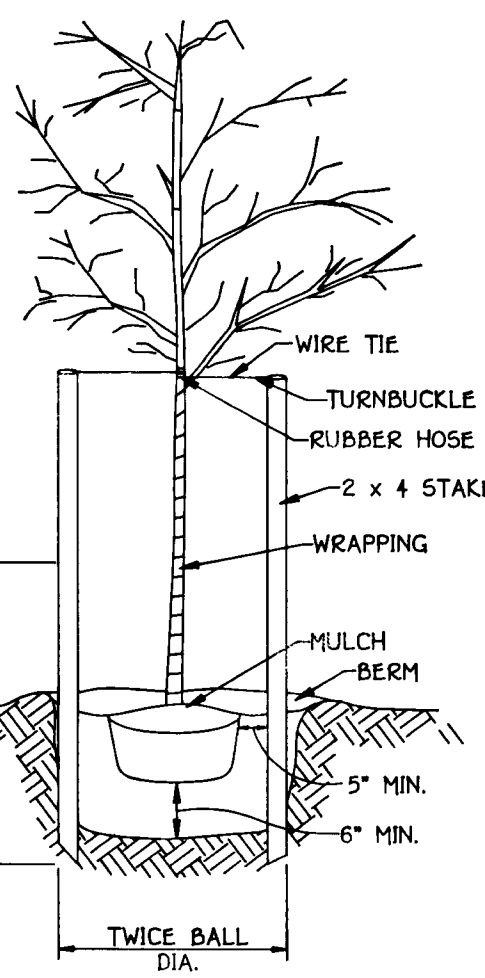


**CORTINA DRIVE
TYPICAL ROADWAY SECTION**
NO SCALE

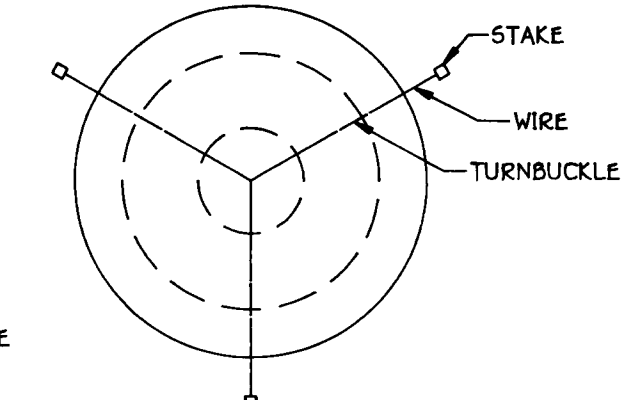
PAVEMENT WIDTH INDICATED ON TYPICAL STREET SECTION TO BE MEASURED TO THIS POINT



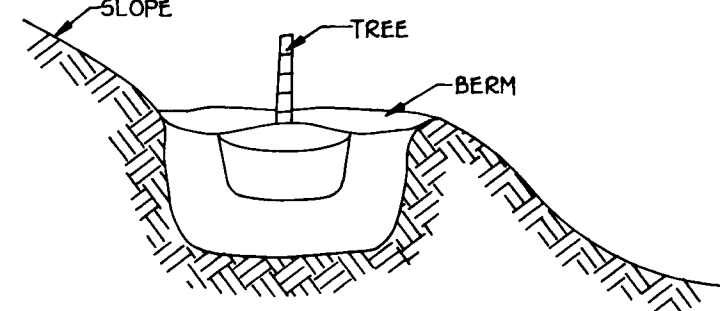
STANDARD BITUMINOUS CURBS



TREE PLANTING
NOT TO SCALE



STAKING DETAIL
NOT TO SCALE



GRADING FOR PLANTING ON SLOPES
NOT TO SCALE

○ DENOTES APPROXIMATE LOCATION OF
• QUERCUS PALUSTRIS (PIN OAK)
• 2-1/2" CALIPER, PLANTED 40' ON CENTER.

NOTE: 1. TREES TOTAL = 46 (20 STREET #14, 10 IN REAR OF LOT 10-15 + 6) TREES
2. TREES ARE TO BE CENTERED WITHIN RIGHT-OF-WAY AND EDGE OF CURB.

STREET TREE SCHEDULE

SYMBOL	BOTANICAL AND COMMON NAME	SIZE AND ROOT	COMMENTS
○	QUERCUS COCCINEAS SCARLET OAK	MIN. 2 1/2" CALIPER B AND B	40' APART IN PUBLIC R/W 60' APART IN REAR OF LOT 10-15

* NOTE: STREET TREE TYPE IS ONLY A RECOMMENDATION THIS MAY BE REVISED TO A COUNTY ACCEPTABLE EQUIPMENT.

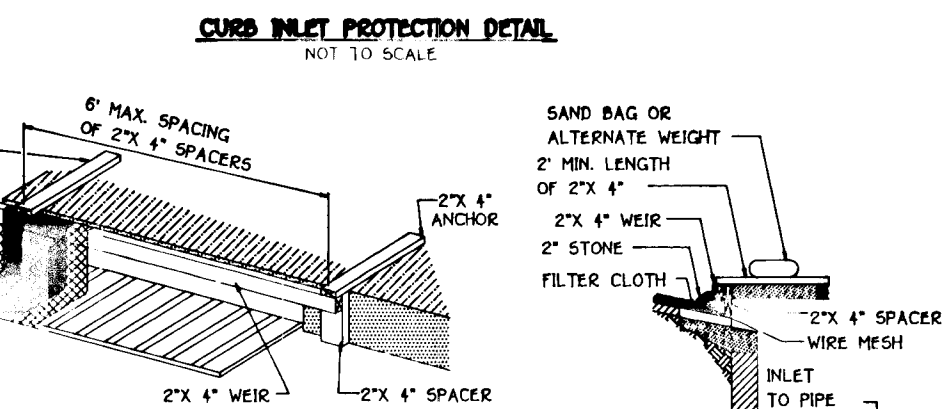
OWNERS

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DILLMAN, CLARENCE AND JONA
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DEVELOPER / CONTRACT PURCHASER

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LVI ENGINEERING CONSULTANTS & LAND SURVEYORS
971 BALTIMORE NATIONAL PIKE, SUITE 100
ELLCOTT CITY, MARYLAND 21042
410-661-2955



MAX. D.A. = 0.5 AC

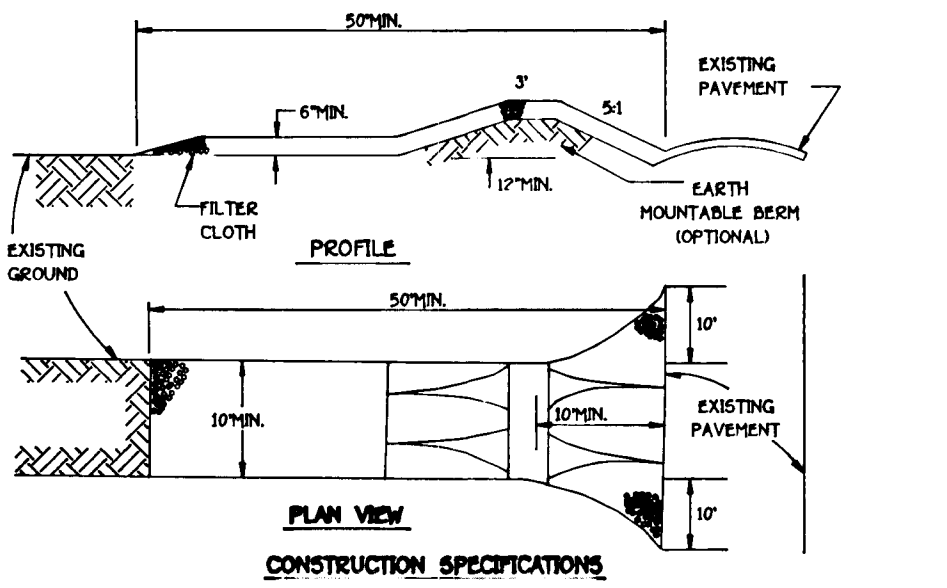
STANDARD SYMBOL



EARTH DREX
NOT TO SCALE

CURB INLET PROTECTION DETAIL
NOT TO SCALE

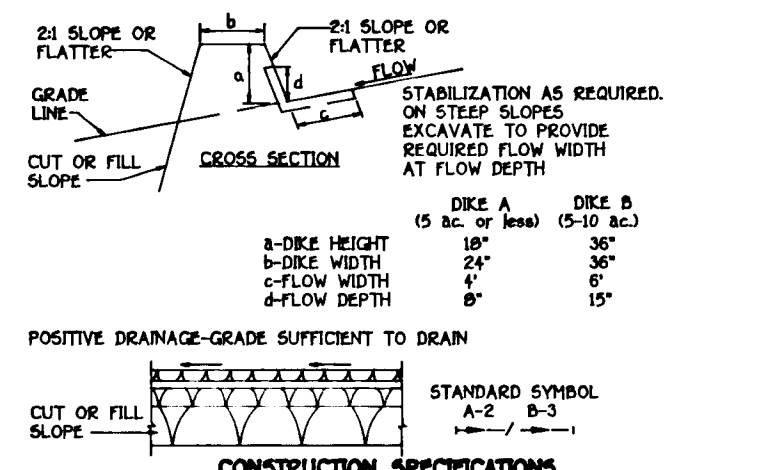
- SEQUENCE OF CONSTRUCTION**
- OBTAIN GRADING PERMIT
 - NOTIFY MISS UTILITY 48 HOURS BEFORE BEGINNING ANY WORK
 - INSTALL SEDIMENT CONTROL MEASURES, STONE CONSTRUCTION ENTRANCE, EARTH DREX, SILT TRAP AND OTHER CLOSURES FROM 5'-2" TO 5'-10" (HORIZONTAL) PROTECTIVE APRONS & BULLET THREE (3)
 - GRADE SITE TO SUBGRADE, STABILIZE AND INSTALL STORM DRAINS FROM 1'-0" TO 5'-0" (HORIZONTAL) PROTECTIVE APRONS & BULLET THREE (3)
 - THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON ALL SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON AFTER EACH RAINFALL AND ON A DAILY BASIS.
 - INSTALL ROAD BASE COURSE
 - REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED AND STABILIZE ALL DISTURBED AREAS REMOVE FLEXIBLE PIPE AND CONNECT PERMANENT PIPE
 - APPLY TACK COAT TO SUB-BASE AND LAY SURFACE COURSE
 - REMOVE ALL SEDIMENT CONTROL MEASURES UPON SEDIMENT CONTROL INSPECTORS APPROVAL
 - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING



- CONSTRUCTION SPECIFICATIONS**
- STONE SIZE - USE 2" STONE OR RECLAIMED 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.
 - 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.
 - WIDTH - TEN (10) FEET MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
 - 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.
 - 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 JOE CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLS, DUMPS, WASHES OR TRACKS ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
 - WARNING - WEEDS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WEEDING 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 AT EACH RAIN.

STABILIZED CONSTRUCTION ENTRANCE - 2
NOT TO SCALE

- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO VENEZ POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 2' AT TOP AND MID SECTION.
 - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN MUDGAGES DEVELOP IN THE SILT FENCE.



- CONSTRUCTION SPECIFICATIONS**
- ALL DREX SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
 - ALL DREX 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 DREX SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A NUMBER OF EROSION RUNOFF SHALL BE CONVEYED TO A SEDIMENT BASIN WHERE EITHER THE DREX CHANNEL OR THE DRAINAGE AREA ABOVE THE DREX ARE NOT ADEQUATELY STABILIZED.
 - STABILIZATION SHALL BE IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE DRAINAGE BELOW.

- FLOW CHANNEL STABILIZATION**
- | TYPE OF TREATMENT | CHANNEL GRADE | DIET A | DIET B |
|-------------------|---------------|--|---|
| 1 | 5-3.0% | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 2 | 3.1-5.0% | SEED AND STRAW MULCH | SEED USING SILEX OR EXCESSIVE 500# 2" STONE |
| 3 | 5.1-8.0% | SEED WITH SILEX OR 500# LINED RIP-RAP 4"-8" 2" STONE | |
| 4 | 8.1-20% | LINED RIP-RAP 4"-8" | ENGINEERING DESIGN |
- STONE TO BE 2 INCH STONE OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
 - RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 6 INCHES THICKNESS AND PRESSED INTO THE SOIL.
 - APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.
 - PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
Richard Blood 5/13/94
CHIEF, DIVISION OF LAND DEVELOPMENT & RESEARCH

APPROVED: DEPARTMENT OF PUBLIC WORKS
Ronald S. Quinn 4/25/94
CHIEF, BUREAU OF ENGINEERING

APPROVED: DEPARTMENT OF PUBLIC WORKS
John R. Robertson 4/25/94
CHIEF, LAND DEVELOPMENT DIVISION

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 CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

SIGNATURE OF ENGINEER: *John R. Robertson* DATE: 4/13/93

I HEREBY 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: *Ronald S. Quinn* DATE: 4/5/1994

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
John R. Robertson DATE: 4/11/94

U.S. SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
John R. Robertson DATE: 4/11/94
DISTRICT HOWARD SOIL CONSERVATION DIST.

- SEDIMENT CONTROL NOTES**
- 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 (PRC-2437).
 - VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1995 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - FOLLOWING INITIAL SOIL DISTURBANCE OR RESTORATION, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 14 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DREX, PERIMETER SLOPES AND ALL GREATER THAN 10% SLOPES AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - ALL SEDIMENT TRAPS/DRENCHES 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 1995 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. FOR PERMANENT SEEDING USE 500 LBS/ACR. TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN BROADCAST 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:
TOTAL AREA OF SITE: 10.72 ACRES
AREA DISTURBED: 2.76 ACRES
AREA TO BE ROOFED OR PAVED: 0.90 ACRES
TOTAL CUT: 3500 CUBIC YARDS
TOTAL FILL: 3500 CUBIC YARDS
 - ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY OR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 - ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED IF DEEMED NECESSARY BY THE HOWARD COUNTY DEPT. SEDIMENT CONTROL INSPECTOR.
 - ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF INSTALLATION OF REGISTERED EROSION AND SEDIMENT CONTROLS, 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.
- PERMANENT SEEDING NOTES**
- ALL DISTURBED AREAS SHALL BE STABILIZED AS FOLLOWS:
- SEEDING PREPARATION**
- DISK AND LEVEL THESE AREAS OF SOIL BY RAINING DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
- SOIL AMENDMENTS**
- APPLY TWO TONS PER ACRE SOLVENTIC LIMESTONE (82 LBS/1000 SQFT) AND 600 LBS PER ACRE 0-20-20 FERTILIZER (84 LBS/1000 SQFT) BEFORE SEEDING HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT THE TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREA/NITROGEN FERTILIZER (35 LBS/1000 SQFT) AND 500 LBS PER ACRE (55 LBS/1000 SQFT) OF 10-20-20 FERTILIZER.
- SEEDING**
- FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 100 LBS PER ACRE (2.3 LBS/1000 SQFT) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS/ACRE (5.4 LBS/1000 SQFT) KENTUCKY 31 TALL FESCUE AND 2 LBS PER ACRE (0.05 LBS/1000 SQFT) OF WEEDING LOVEGRASS. DURING THE PERIOD OF OCTOBER 15 THROUGH FEBRUARY 28, PROJECT SITE BY OPTION (1) - TWO TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOIL OPTION (3) SEED WITH 100 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH TWO TONS PER ACRE WELL ANCHORED STRAW. ALL SLOPES MUST BE HYDROSEEDING.
- MULCHING**
- APPLY 2 TO 4 TONS PER ACRE (20 TO 40 LBS/1000 SQFT) OF UNWEIGHTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING 200 GALLONS PER ACRE (5 GAL/1000 SQFT) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 6 FEET OR HIGHER USE 340 GALLONS PER ACRE (6 GAL/1000 SQFT) FOR ANCHORING.
- MAINTENANCE**
- INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.
- * FOR PUBLIC PONDS SUBSTITUTE CHEMING CROWNNET AT 15 LBS/ACRE AND KENTUCKY 31 TALL FESCUE AT 40 LBS/ACRE AS THE SEEDING REQUIREMENT. OPTIMUM SEEDING DATE FOR THIS MIXTURE IS MARCH 1 TO APRIL 30.

ROAD AND SEDIMENT CONTROL DETAILS
DEER TRACK
LOTS 1-15
TAX MAP: 34 AND 40 PARCELS: 129 AND 161
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
DECEMBER 21, 1993
SCALE: AS SHOWN
SHEET 4 OF 4

CHARLES J. GROVO, SR. DATE: 4/13/93