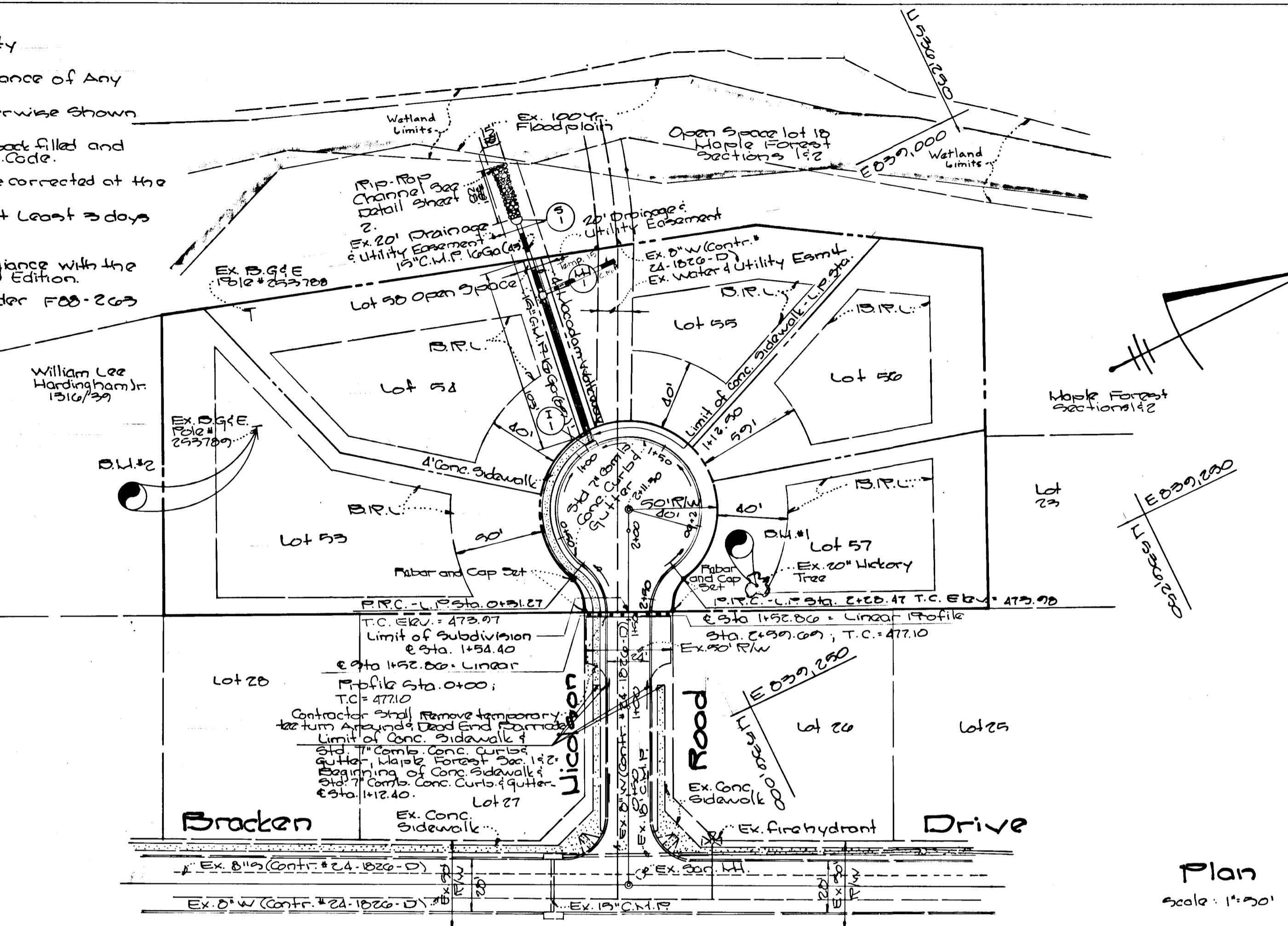


General Notes

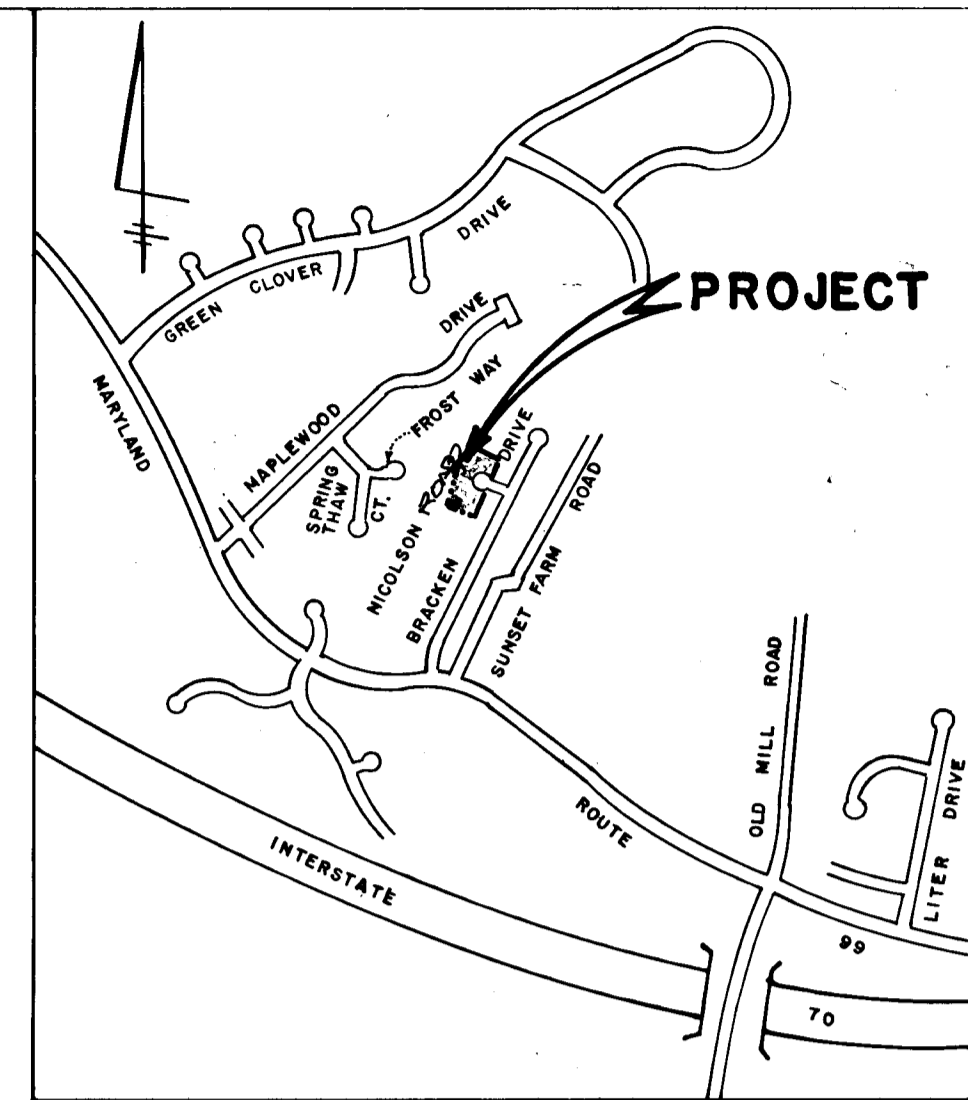
- All work shall be done in accordance with Howard County Standards, Specifications, and Details for Construction.
- All Utility Companies must be notified 24 hours in advance of any construction.
- All inlets shall be Howard County Standards unless otherwise shown. All 'A' inlets shall be depressed.
- Storm drain trenches within Road-of-Ways shall be back-filled and compacted in accordance with Howard County Road Code.
- Any damage to Public Rights-of-Ways or Paving will be corrected at the Contractor's Expense.
- Contractor to notify the Howard County Dept. of Ins. section at least 3 days before starting work shown on these drawings. Telephone: 702-7872.
- All Traffic Control devices shall be installed in compliance with the Manual of Uniform Traffic Control Devices, Current Revised Edition.
- Storm Water Management has been provided under F&B-269 "Maple Forest Sections Land 2."

Bench Marks

- B.M.#1**
R.R. Spike set in 20" Hickory located on Lot 57. Approximately 20' off of Front Property Line. For location see this sheet.
- B.M.#2**
R.R. Spike set in telephone pole located on Lot 53. Approximately 55' off of Southern Most Property Line. For location see this sheet.



Plan
Scale: 1"=50'



VICINITY MAP
SCALE 1"=1200'

THE HORIZONTAL AND VERTICAL CONTROL IS BASED ON THE FOLLOWING HOWARD COUNTY CONTROL STATUSES:

- 344002 U 53575.000
- 037703.047
- 344004 N 532650.064
- 040710.716

MAPLE FOREST
SECTION 3
LOTS 53-58
2ND ELECTION DISTRICT
HOWARD COUNTY MARYLAND
NICOLSON RD. STORM DRAIN

PLAN & PROFILE PROFILE

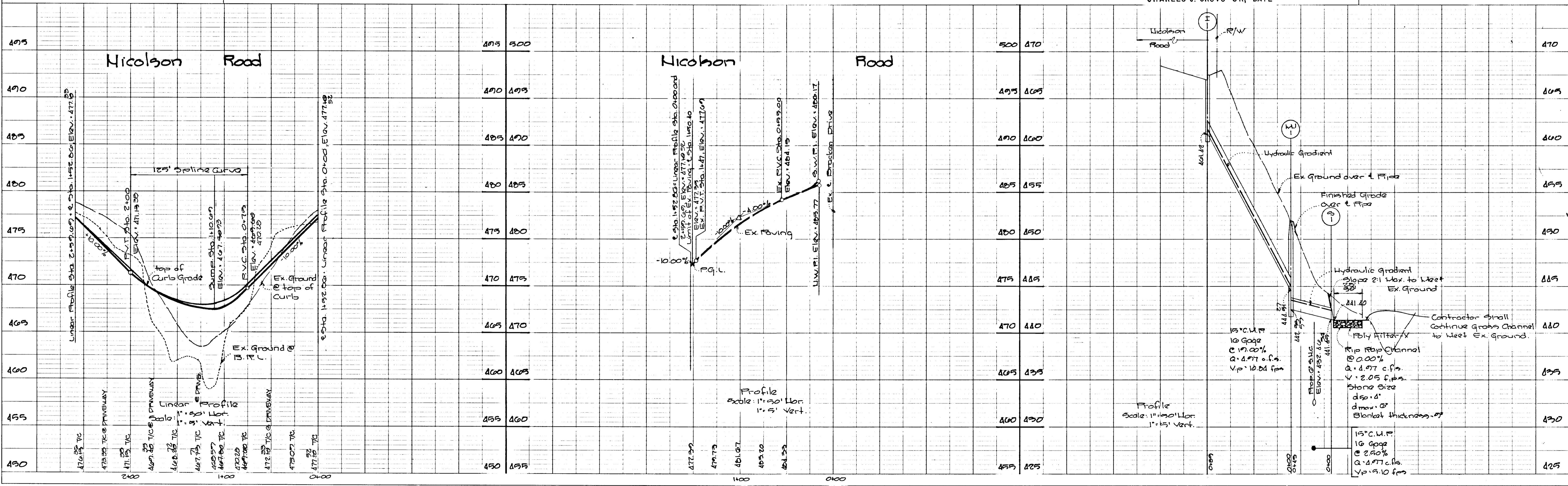
OWNER AND DEVELOPER
DONALD R. REUWER, JR. TRUST
C/O LAND DESIGN AND DEVELOPMENT, INC.
8307 MAIN STREET
ELLCOTT CITY, MD. 21043

SCALE AS SHOWN DATE DEC. 23, 1988 DWG. NO. 1 OF 3
DES. R. ISAACS DRN. M. FORREST CHK. C. GROVO

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



CHARLES J. GROVO SR., DATE 1/5/89



Profile
Scale: 1"=50' Hor.
1"=5' Vert.

Profile
Scale: 1"=50' Hor.
1"=5' Vert.

Contractor shall continue grass channel to meet Ex. Ground.

15" C.U.P.
16 Gage
C 2.50%
Q 4.97 c.f.s.
Vp 16.04 fpm

15" C.U.P.
16 Gage
C 2.50%
Q 4.97 c.f.s.
Vp 16.04 fpm

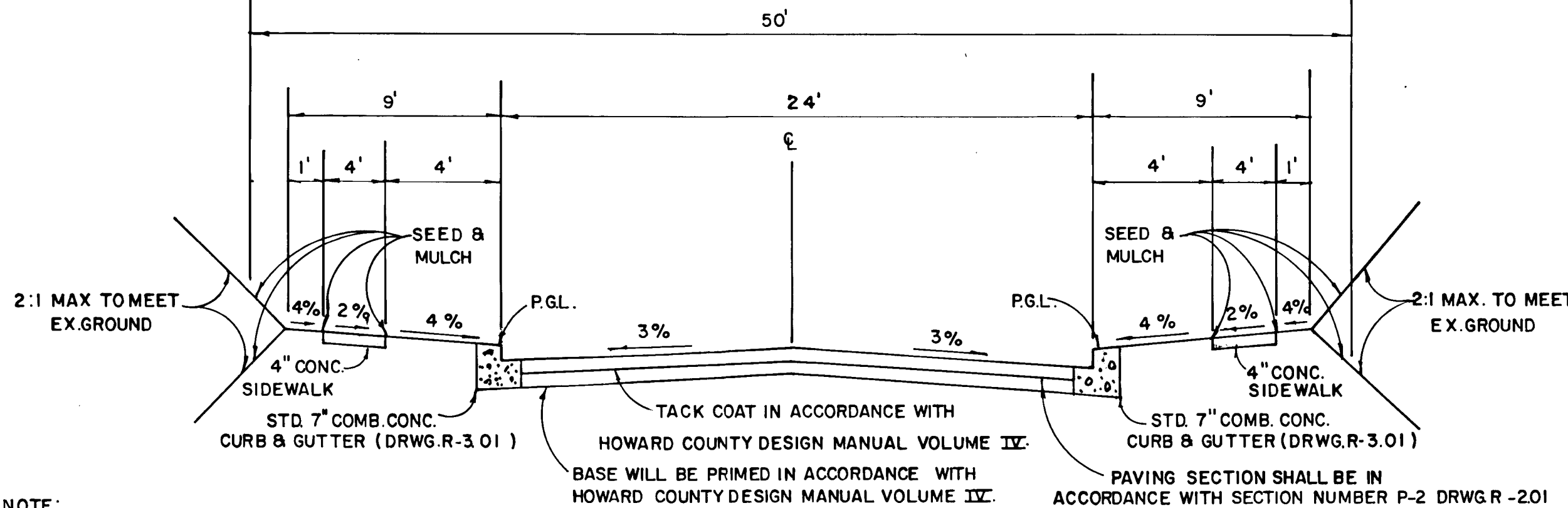
DATE BY
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1388

NICOLSON ROAD

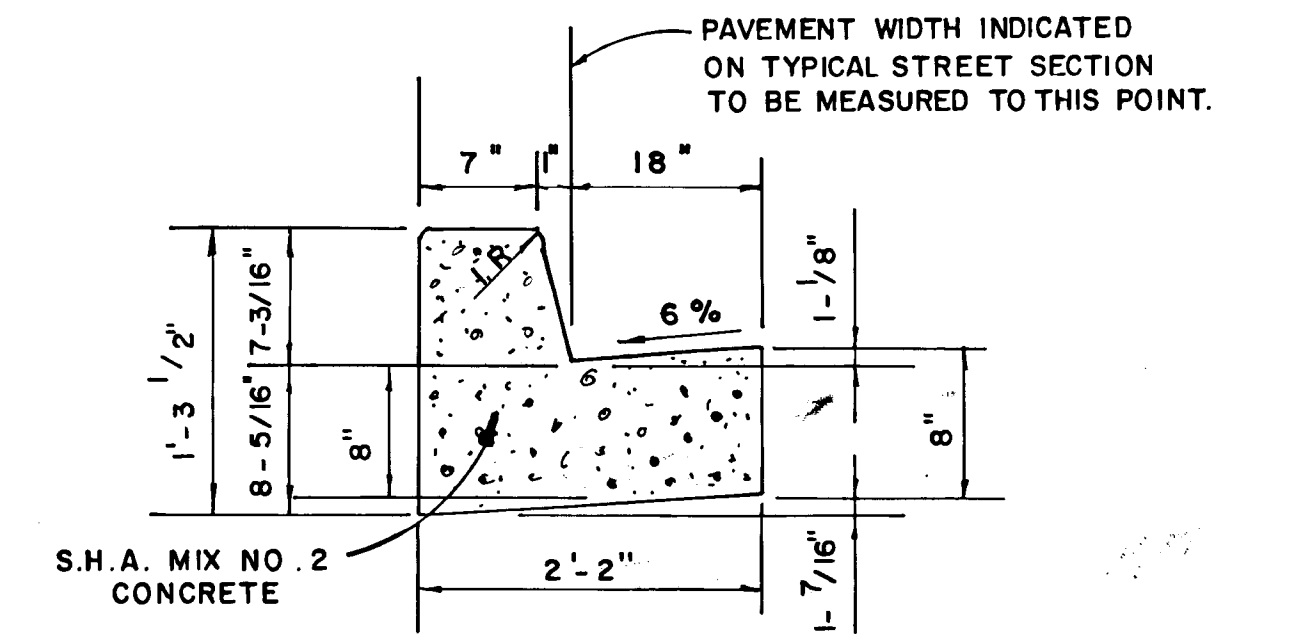
ZONED: R-20 & STA. 1+50.40 TO & STA. 1+52.86 ROAD CLASSIFICATION: CUL-DE-SAC
 DESIGN SPEED: 25 M.P.H.



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

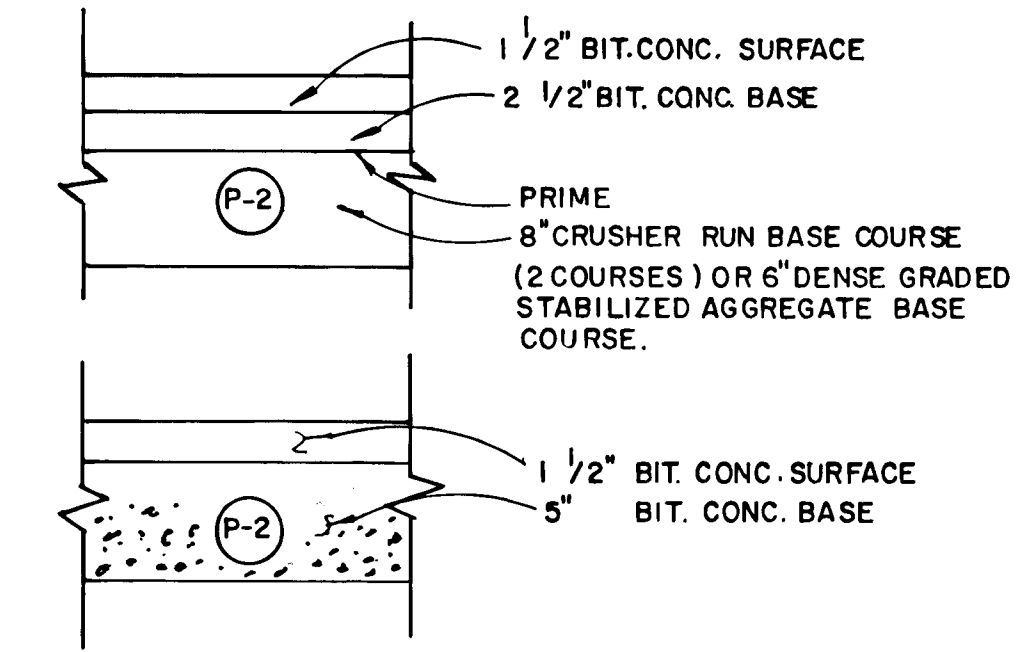
TYPICAL ROADWAY SECTION

NO SCALE



STANDARD 7" COMB. CONC. CURB & GUTTER

NO SCALE



PAVING SECTION P-2

NO SCALE

APPROVED
 DEPARTMENT OF PUBLIC WORKS
Donald R. Reuer, Jr. 4/25/89
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED
 DEPARTMENT OF PUBLIC WORKS
William Weiland, P.E. 7/26/89
 CHIEF, BUREAU OF HIGHWAYS DATE

APPROVED
 DEPARTMENT OF PUBLIC WORKS
William Weiland, P.E. 4-28-89
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED
 OFFICE OF PLANNING AND ZONING
Joseph S. DeAngelis 5-5-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

MAPLE FOREST
 SECTION 3
 LOTS 53-58
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 TYPICAL ROADWAY SECTION, NOTES
 AND DETAILS

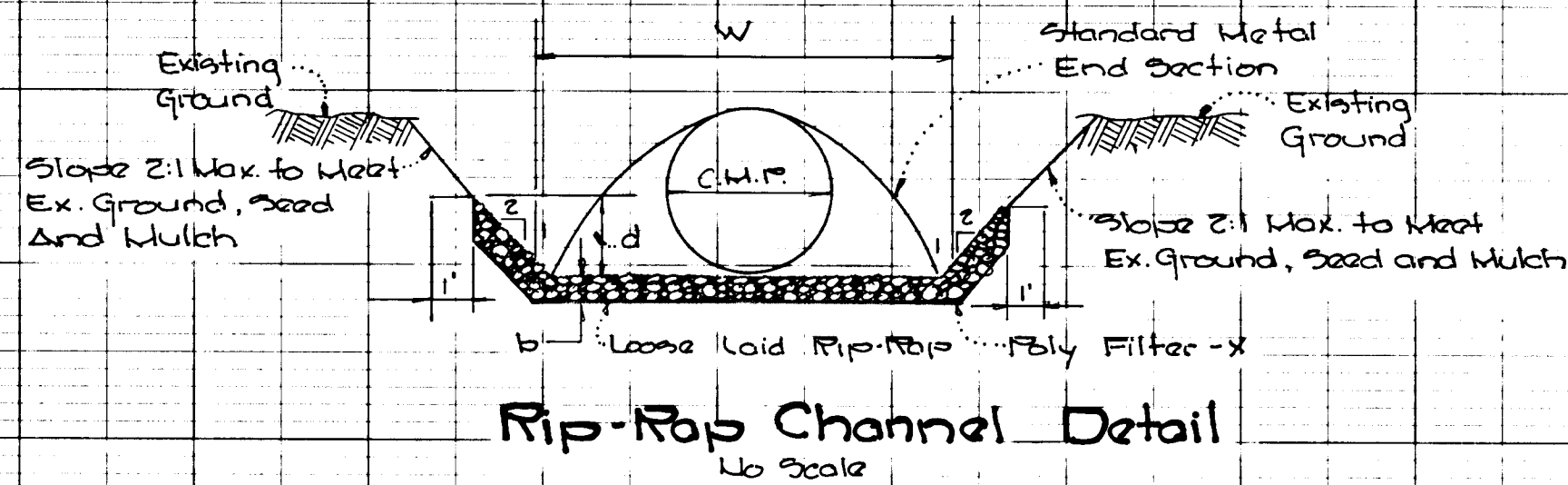
OWNER AND DEVELOPER
 DONALD R. REUER, JR. TRUST
 C/O LAND DESIGN AND DEVELOPMENT, INC.
 8307 MAIN STREET
 ELLICOTT CITY, MD. 21043

SCALE AS SHOWN DESIGNED BY: ISAACS DRAWN BY: M. FORREST CHECKED BY: C. CROVO
 DATE: DEC. 23, 1988 DWG. NO. 2 OF 3

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



CHARLES J. CROVO SR. 1/5/89 DATE



Rip-Rap Channel Detail
 No Scale

Struct.	Type	Structure		Schedule		Remarks
		Inv. In.	Inv. Out.	Top Elev.	Road Station	
I-1	A-S	-	461.42	467.52	L. 17 Sta. 110.00	Drwg. S.D. 4.01
MI-1	Std. Manhole	444.54	442.53	442.53	-	Drwg. G-5.01
S-1	Std. Metal Endse	441.45	-	442.70	-	Drwg. S.D. 3.01

Rip-Rap Channel Design Data														
Struct.	Area	F	R	R2/S	S	S1/2	b	d	n	v	q	Blanket	Blanket	
												d50	dmax	Thickness
S-1	2.62	0.54	41.92	99.31	1.00%	1.000	4.00'	0.52'	0.04	2.05	4.97	4"	6"	9"

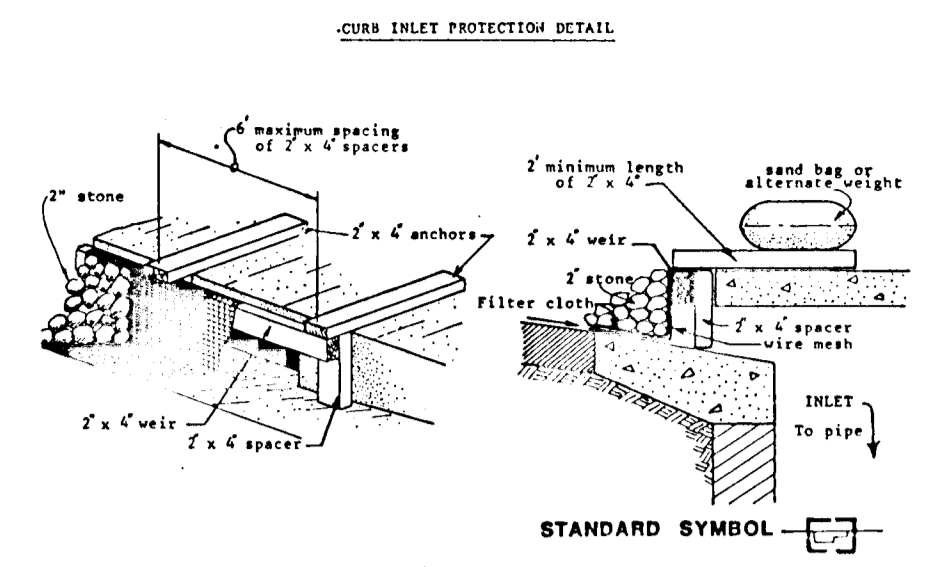
DATE
 BY
 SURVEYED
 PLOTTED
 CHECKED
 REVISIONS

PLAN
 NOTE BOOK NO.
 SURVEYED
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 REVISIONS

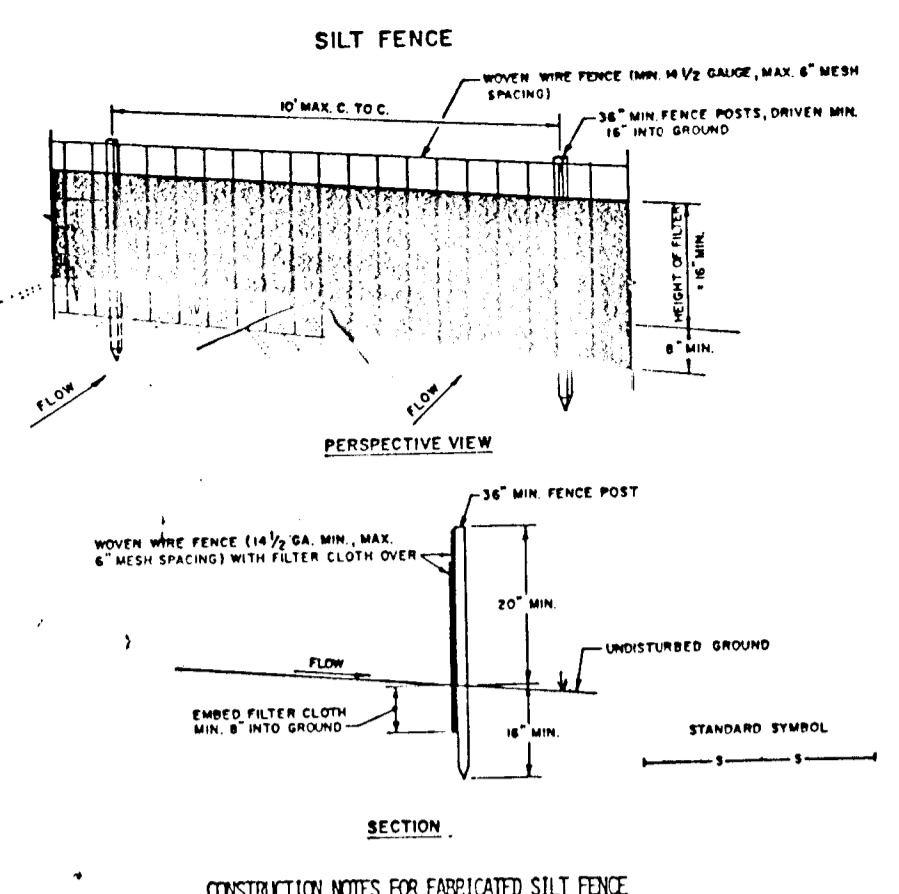
DATE
 BY
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 REVISIONS

13881

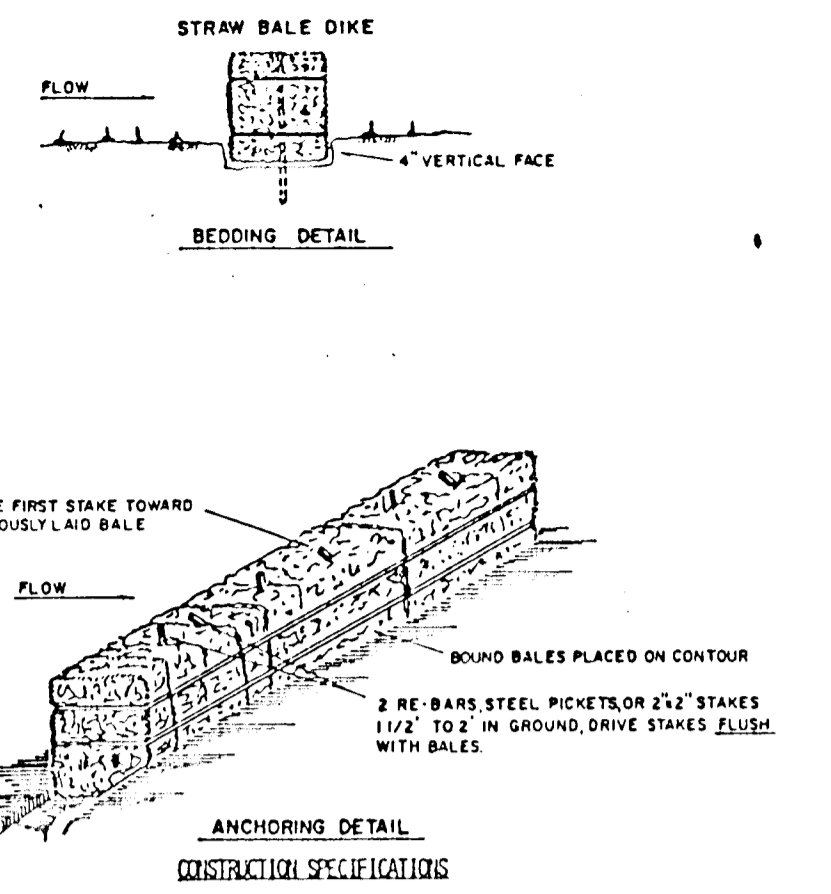
PERMANENT SEEDING NOTES:
 APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-TERM VEGETATIVE COVER IS NEEDED.
SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SOIL AMENDMENTS: APPLY 400 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) FOLLOWING SCHEDULE:
 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING.
 2) ACCEPTABLE - APPLY 2 TONS PER ACRE UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING.
SEEDING: HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.)
 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING.
 2) ACCEPTABLE - APPLY 2 TONS PER ACRE UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING.
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED IN 60 LBS. PER ACRE (14 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 TONS PER ACRE (92 LBS/1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING PERIOD OF OCTOBER 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. OPTION (2) USE SOU. OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.
MULCHING: APPLY 1 1/2 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 SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE RESTORED 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 AMENDMENTS: APPLY 400 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) FOLLOWING SCHEDULE:
 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING.
 2) ACCEPTABLE - APPLY 2 TONS PER ACRE UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ. FT.) BEFORE SEEDING.
SEEDING: HARROW OR DISC INTO UPPER THREE-INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ. FT.)
 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING.
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MULCHING: APPLY 1 1/2 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 SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
 REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



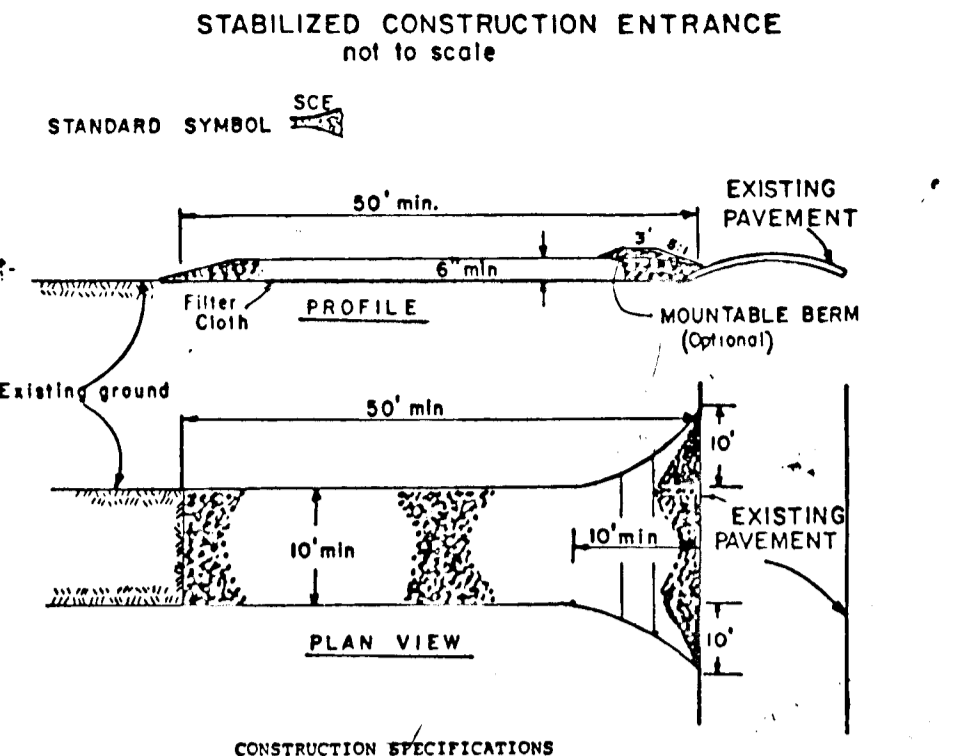
- Curb Inlet Protection.**
1. Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 2") as shown on the standard drawing.
 2. Place a piece of approved filter cloth (40-85 sieve) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
 3. Securely nail the 2" x 4" weir to 9" long vertical spacers to be located between the weir and inlet face (max. 6" apart).
 4. Place the assembly against the inlet throat and nail (minimum 2" length of 2" x 4" to the top of the weir at spacer locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
 5. The assembly shall be placed so that the end spacers are a minimum 1" beyond both ends of the throat opening.
 6. Form the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
 7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
 8. Assume that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE:**
1. Woven wire fence to be fastened securely to fence posts with wire ties or staples.
 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BAGS" DEVELOP IN THE SILT FENCE.
- POSTS:** STEEL REBAR T OR U TYPE OR 4" WOODEN
FENCE: WOVEN WIRE, 36 GA. 6" MAX. TENSILE STRENGTH
FILTER CLOTH: FILTER X HYPALON, 100% STABILIZED LINER OR APPROVED EQUIV.
- PREPARED UNIT:** GEOTEX, ENTRENCHER, OR APPROVED EQUIV.

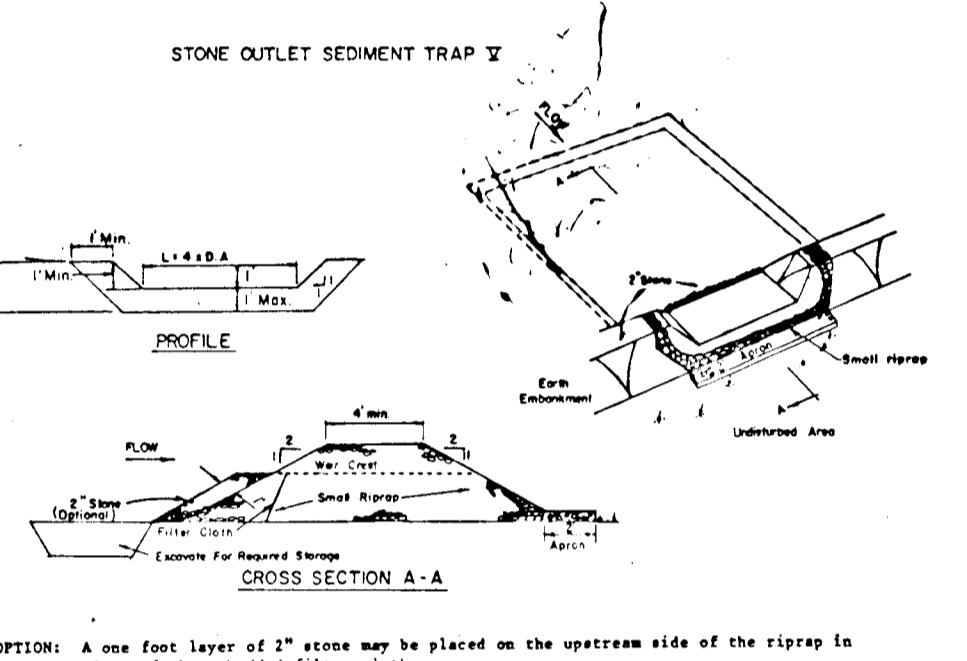
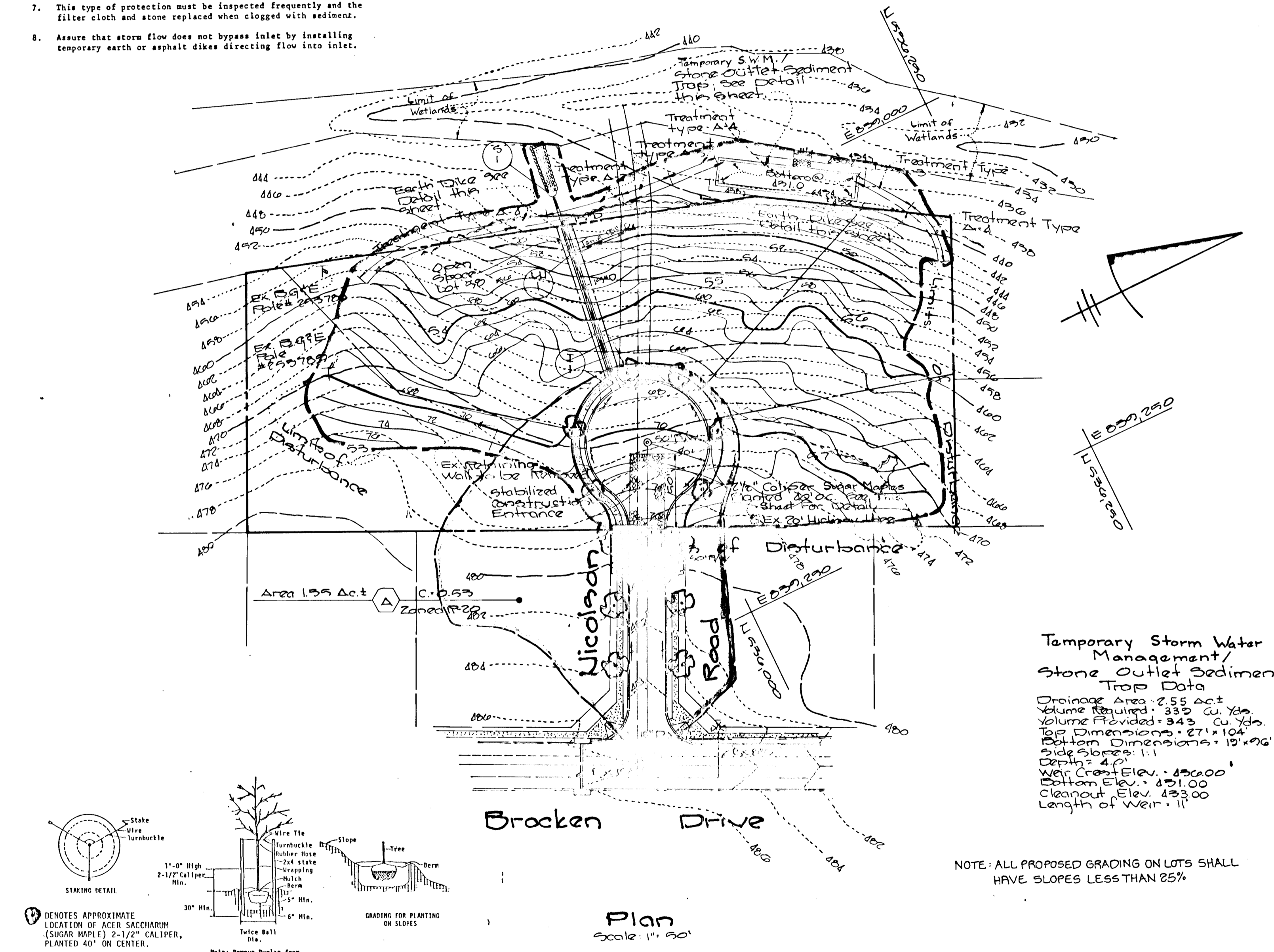


- CONSTRUCTION SPECIFICATIONS:**
1. BALES SHALL BE PLACED AT THE TOE OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ADJUTING THE ADJACENT BALES.
 2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (6) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRIVEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN THROUGH THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAKES SHALL BE DRIVEN FLUSH WITH THE BALE.
 4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
 5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPED STORM FLOW OR DRAINAGE.



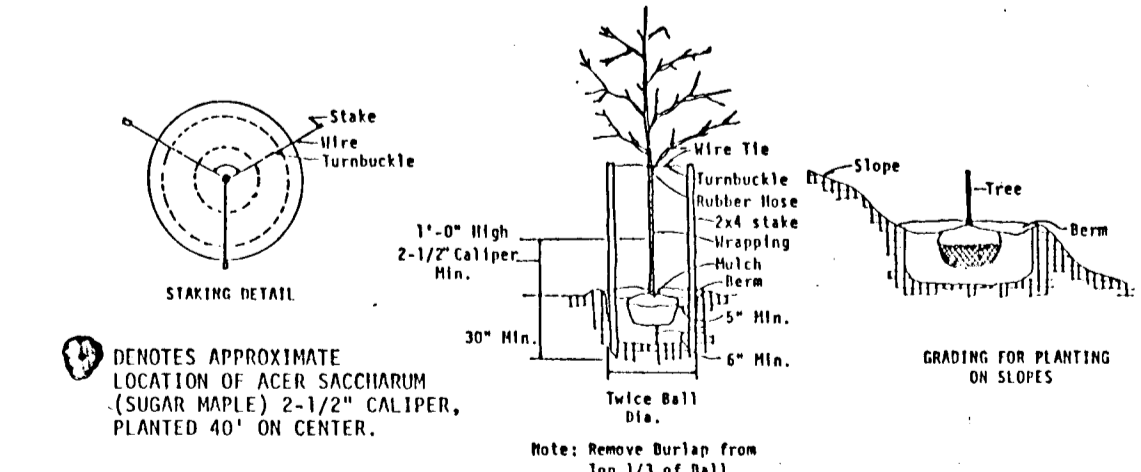
- CONSTRUCTION SPECIFICATIONS:**
1. Stone Size - Use #2 stone, or reclaimed or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (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 beam with 1/2" slope will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or blowing of sediment onto public right-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 right-of-way must be removed immediately.
 8. Washing wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. If 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 (892-2437).
 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 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.
 5) 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. 52) OR TEMPORARY SEEDINGS (SEC. 53) 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.
 6) 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.
 7) SITE ANALYSIS:
 TOTAL AREA OF SITE: 215 ACRES
 AREA DISTURBED: 2314 ACRES
 AREA TO BE ROADED OR PAVED: 2314 ACRES
 AREA TO BE VEGETATIVELY STABILIZED: 173 ACRES
 TOTAL CUT: 5,220 CU. YDS.
 TOTAL FILL: 1,000 CU. YDS.
 OFFSITE WASTE/BORROW AREA LOCATION: [Blank]
 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED AT GRADING ACTIVITY FOR REPAIRMENT 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 DPW SEDIMENT CONTROL INSPECTOR.
 10) 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 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.



- CONSTRUCTION SPECIFICATIONS FOR ST-1:**
1. Area under embankment shall be cleared, graded and accepted of any vegetation and root mats. The soil area shall be compacted.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as oversized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by vibratory means with equipment while it is being constructed.
 3. All cut and fill slopes shall be 2:1 or flatter.
 4. The stone used in the outlet shall be small riprap 4"-8" along with a 1" thickness of 2" aggregate placed on the upstream side on the small riprap 20" embedded filter cloth in the riprap.
 5. Sediment shall be removed and trap returned to its original dimensions when the sediment has accumulated to the design depth of the trap.
 6. The structure shall be inspected after each rain and repairs made as needed.
 7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

- CONSTRUCTION SEQUENCE:**
1. OBTAIN GRADING PERMIT.
 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, SEDIMENT TRAP AND EARTH DIKES AS SHOWN ON PLAN. STABILIZE THE TRAP WITH TEMPORARY SEEDING.
 3. GRADE ROADS TO SUBGRADE.
 4. CONSTRUCT STORM DRAIN SYSTEM FROM I-1 TO MH-1 AND INSTALL INLET PROTECTION DEVICE AT I-1. INSTALL TEMPORARY PIPE AS SHOWN ON PLAN. DURING CONSTRUCTION OF THE STORM DRAIN SYSTEM FROM S-1 TO I-1 STRAW BALE DIKE OR SILT FENCE WILL BE PLACED DOWNGRADE OF DISTURBED AREAS AT THE END OF EACH WORKING DAY. 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 TRAP WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
 5. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STORM CONSTRUCTION ENTRANCE AS REQUIRED.
 6. REMOVE INLET PROTECTION DEVICE AND FLUSH STORM DRAIN SYSTEM TO REMOVE ANY TRAPPED SEDIMENT.
 7. REMOVE STORM CONSTRUCTION ENTRANCE AND STRAW BALE DIKE/SILT FENCE. CLEAN BASE COURSE. APPLY TACK COAT TO BASE COURSE AND LAY SURFACE COURSE.
 8. REMOVE SEDIMENT AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.
 9. 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.
 10. NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS FOR FINAL INSPECTION AT DURATION OF PROJECT.



THE PLANTING:
 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.
 Note: Wire Basket or Root Ball Shall Be Removed Before Backfilling Around Tree.

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

OWNER AND DEVELOPER:
 DONALD R. REUWER, JR. TRUST
 C/O LAND DESIGN AND DEVELOPMENT, INC.
 8307 MAIN STREET
 ELLICOTT CITY, MD. 21043



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 OF ENGINEER: Charles J. Crovo, Jr.
 DATE: 1/5/89

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 OF ENGINEER: [Signature]
 DATE: 1/5/89

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 THE LOCAL HEALTH DEPARTMENT, AS ARE DEEMED NECESSARY.
 SIGNATURE OF DEVELOPER: [Signature]
 DATE: 1/5/89

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND METS TECHNICAL REQUIREMENTS:
 SIGNATURE OF REVIEWER: [Signature]
 DATE: 4/18/89
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED:
 SIGNATURE OF APPROVER: [Signature]
 DATE: 4/18/89
 DISTRICT: HOWARD SOIL CONSERVATION DISTRICT

APPROVED: OFFICE OF PLANNING AND ZONING
 SIGNATURE OF APPROVER: [Signature]
 DATE: 5-5-89
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: DEPARTMENT OF PUBLIC WORKS
 SIGNATURE OF APPROVER: [Signature]
 DATE: 4-28-89
 CHIEF, BUREAU OF ENGINEERING

APPROVED: DEPARTMENT OF PUBLIC WORKS
 SIGNATURE OF APPROVER: [Signature]
 DATE: 4/28/89
 CHIEF, BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PUBLIC WORKS
 SIGNATURE OF APPROVER: [Signature]
 DATE: 4/25/89
 CHIEF, LAND DEVELOPMENT DIVISION

DRAINAGE AREA MAP, GRADING AND SEDIMENT CONTROL PLAN

MAPLE FOREST
 SECTION 3
 2ND LOTS 53-58
 2ND ELECTION DISTRICT
 HOWARD COUNTY MARYLAND
 SCALE: AS SHOWN SHEET 3 OF 3
 DATE: DECEMBER 23, 1988

1309
1300