

GENERAL NOTES

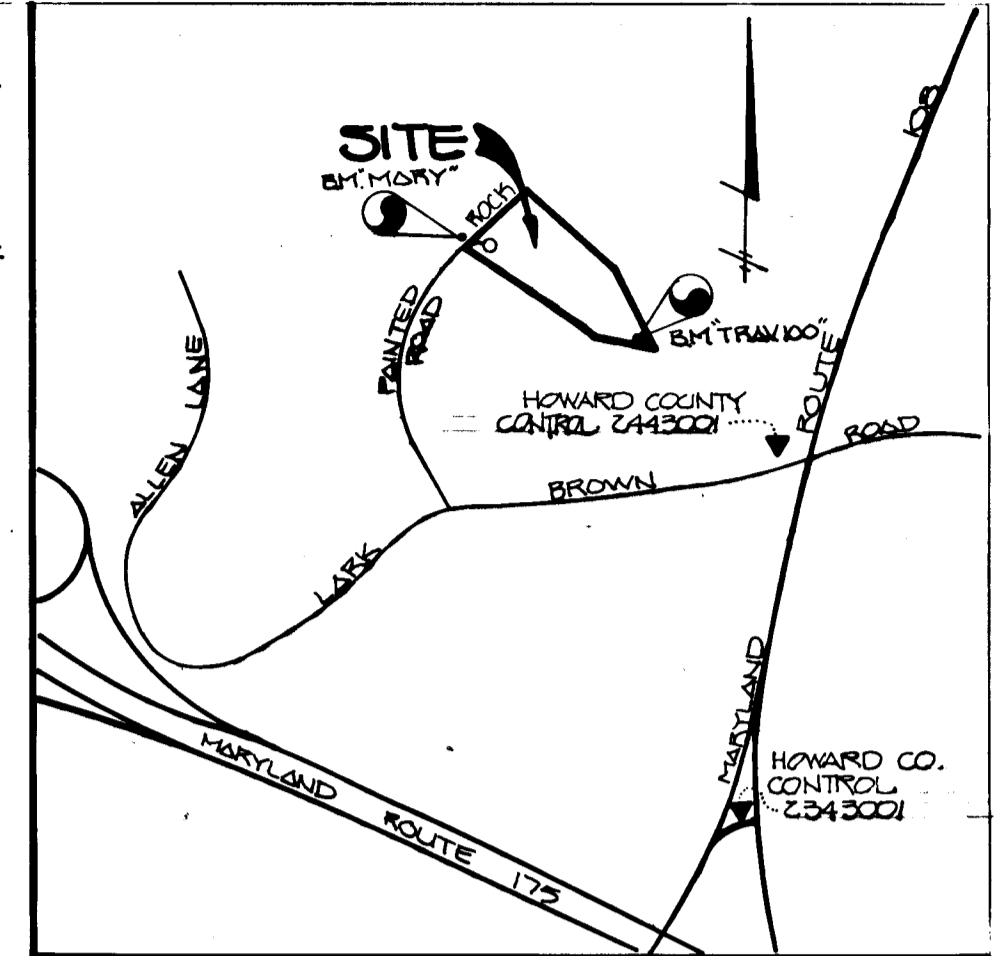
1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HRS. IN ADVANCE OF ANY CONSTRUCTION.
3. STORM DRAINAGE TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODES.
4. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED 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. 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.
8. STORM WATER MANAGEMENT FOR THIS SITE IS PROVIDED IN THE EXISTING STORM WATER MANAGEMENT POND IN PAINTER'S HILL SECTION ONE, SHEET 20F23.

CURVE DATA

\pm STA. 7+13.00 TO \pm STA. 7+43.76
 $R=250.00'$
 $\Delta=135^{\circ}27'$
 $L=77.76'$
 $T=28.12'$
 $CHD. N 72^{\circ}21'44"E$
 $95.82'$

BENCH MARKS

- B.M. "MARY" ELEV. 331.17
RAILROAD SPIKE SET IN 8" CHERRY TREE LOCATED 17' NORTHWEST OF TRAVERSE STATION 103 FOR LOCATION, SEE THIS SHEET.
- B.M. "TRAVI00" ELEV. 287.24
REBAR & CAP SET 20' NORTHWEST OF SOUTHEASTERN MOST PROPERTY CORNER. FOR LOCATION, SEE THIS SHEET.



VICINITY MAP
SCALE: 1" = 600'

MANORWOOD

LOTS 1-9
SIXTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

PAINTED ROCK ROAD

PROFILES
&
STORM DRAINS

ROYAL CROWNING ENTERPRISES, LAND DESIGN & DEVELOPMENT, INC.
4430 SENECA DRIVE
COLUMBIA, MARYLAND 21046
SCALE AS SHOWN DATE OCT. 3, 1991 DWG. NO. 1 OF 3
DES. M. TAYLOR DRN. M. YOUNG CHK. R. ISDAACS

FISHER, COLLINS AND CARTER, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
8338 COURT AVE. ELLICOTT CITY, MARYLAND 21043



CHARLES J. CROVO SR. 10/14/91 DATE

PLAN	DATE
BY	
REVISIONS	
NO.	DESCRIPTION
1	ADDED
2	REVISED
3	REVISED
4	REVISED
5	REVISED
6	REVISED
7	REVISED
8	REVISED
9	REVISED
10	REVISED

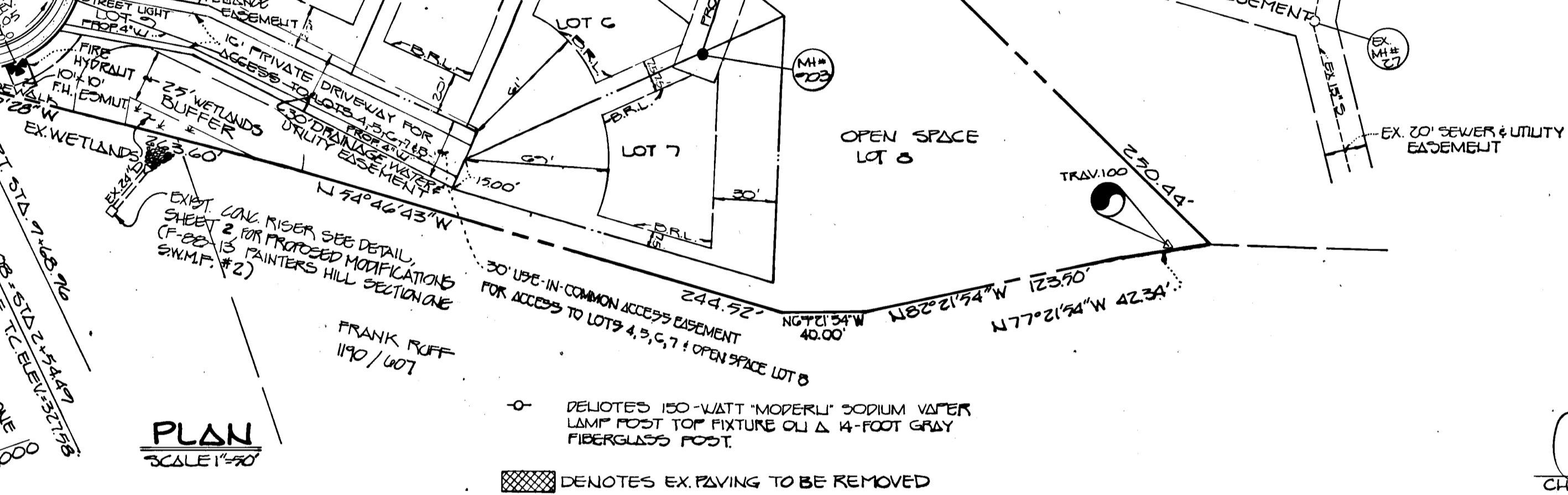
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10	REVISED

PROFILE	DATE
BY	
REVISIONS	
NO.	DESCRIPTION
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1642

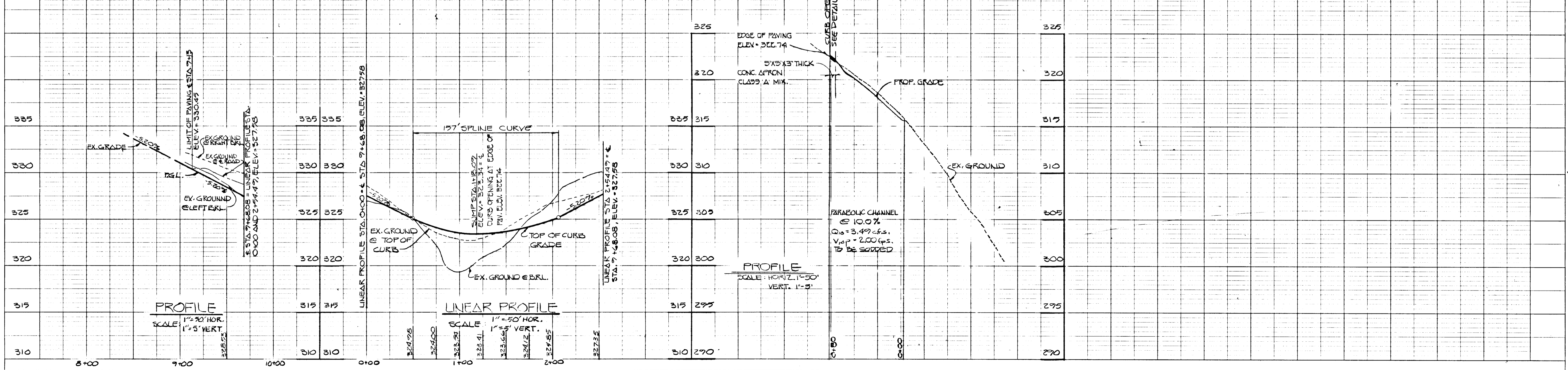
APPROVED DEPARTMENT OF PUBLIC WORKS
 [Signature] 4/10/92
 CHIEF, LAND DEVELOPMENT DIVISION
 APPROVED DEPARTMENT OF PUBLIC WORKS
 [Signature] 4/24/92
 CHIEF, BUREAU OF ENGINEERING
 APPROVED DEPT. OF PLANNING AND ZONING
 [Signature] 4/29/92
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

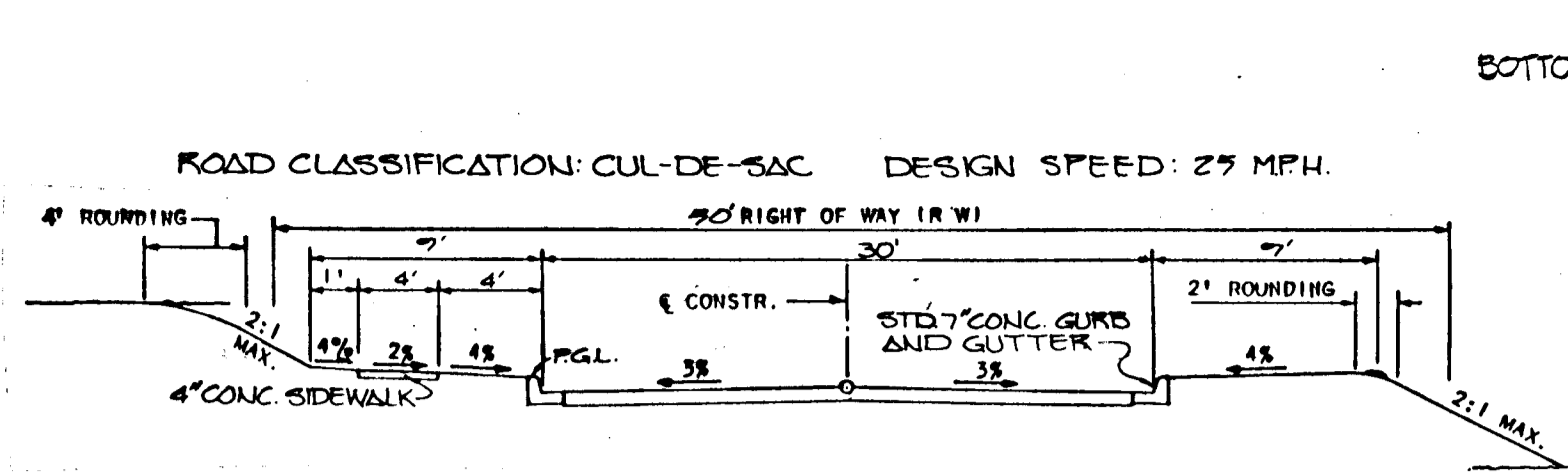
LIMIT OF EX. PAVING \pm STA. 7+33.00
 LIMIT OF CURB & GUTTER \pm STA. 7+75.2 = BEGINNING OF CURB & GUTTER FOR THE WOOD PROPERTY
 CONTRACTOR TO REMOVE ALL EXISTING MODIFIED COMB. CURB AND GUTTER.
 PAINTER'S HILL SECTION ONE
 PLAT # 8611
 ZONED R-12



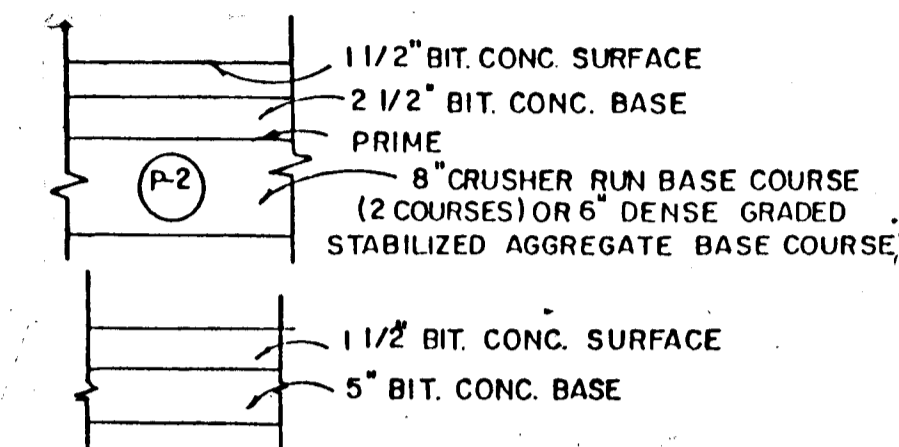
DENOTES EX. PAVING TO BE REMOVED
 DENOTES 150-WATT "MOPERL" SODIUM VAPOR LAMP POST TOP FIXTURE ON A 14-FOOT GRAY FIBERGLASS POST.

PAINTED ROCK ROAD

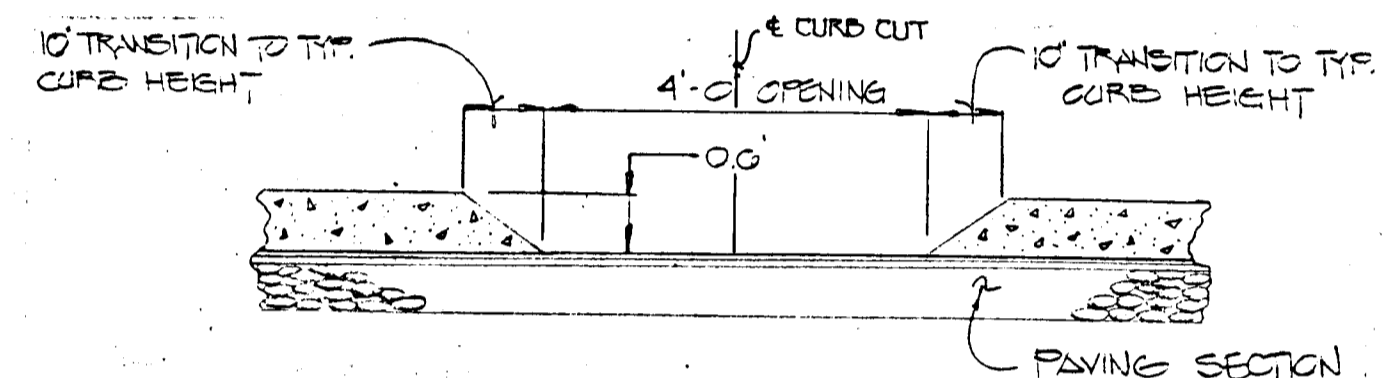




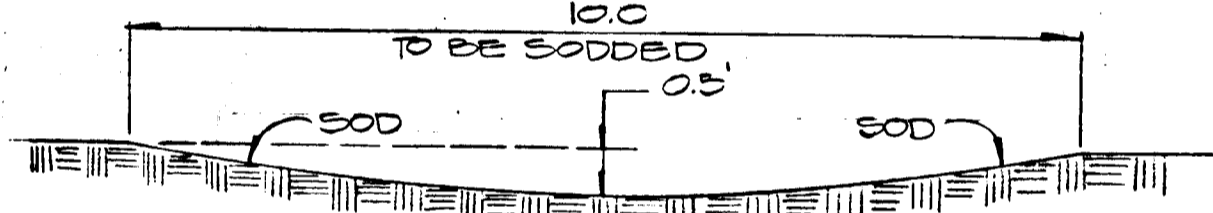
TYPICAL CUL-DE-SAC STREET DETAIL
NOT TO SCALE



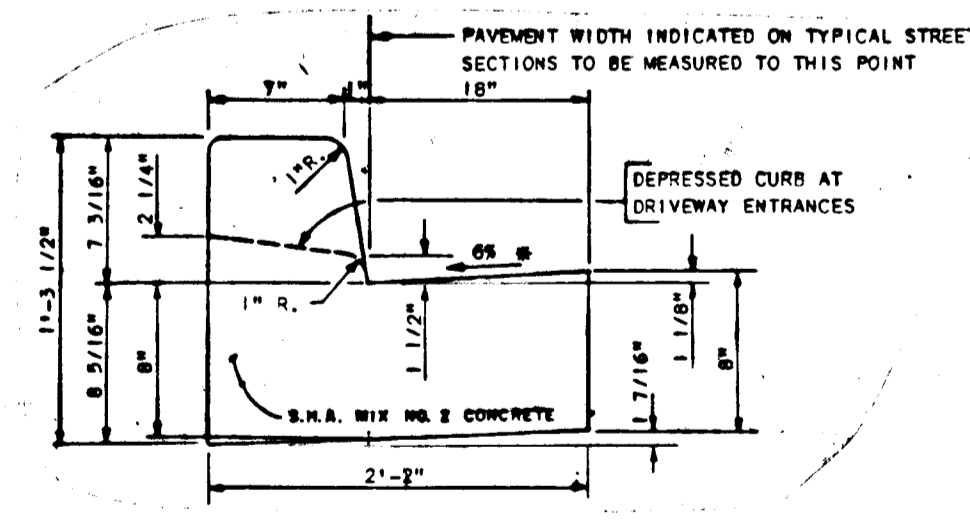
PAVING SECTION P-2
NO SCALE



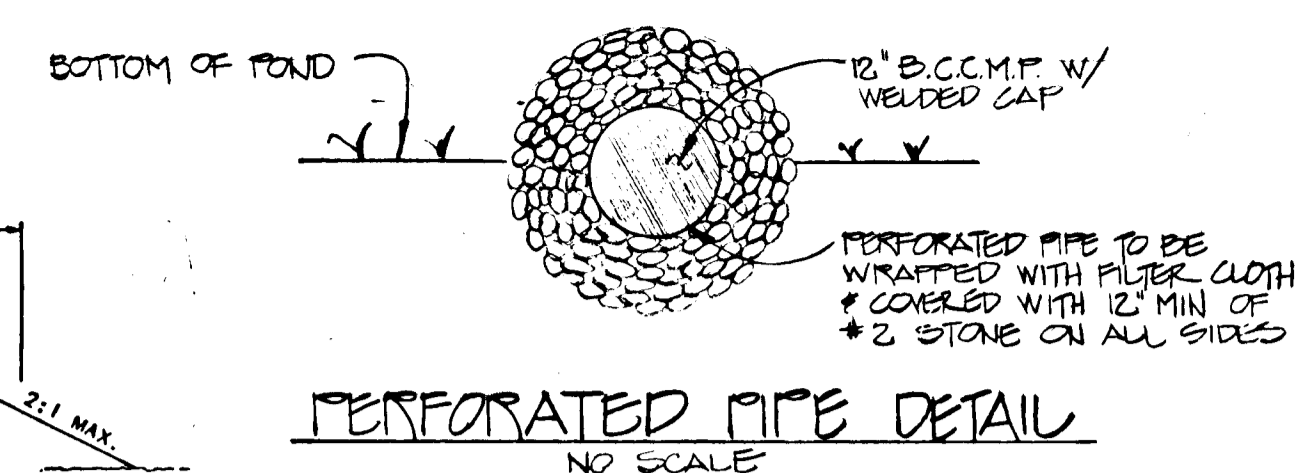
CURB CUT DETAIL
NO SCALE



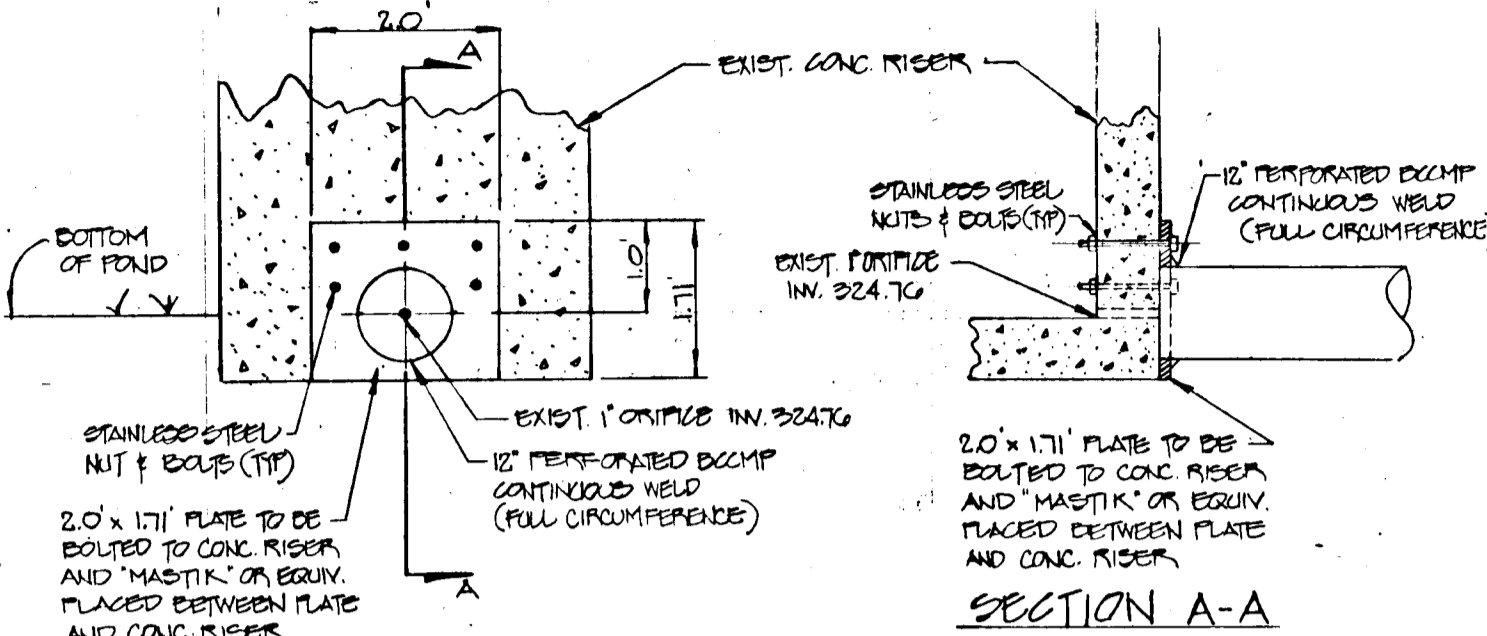
PARABOLIC CHANNEL DETAIL
NO SCALE



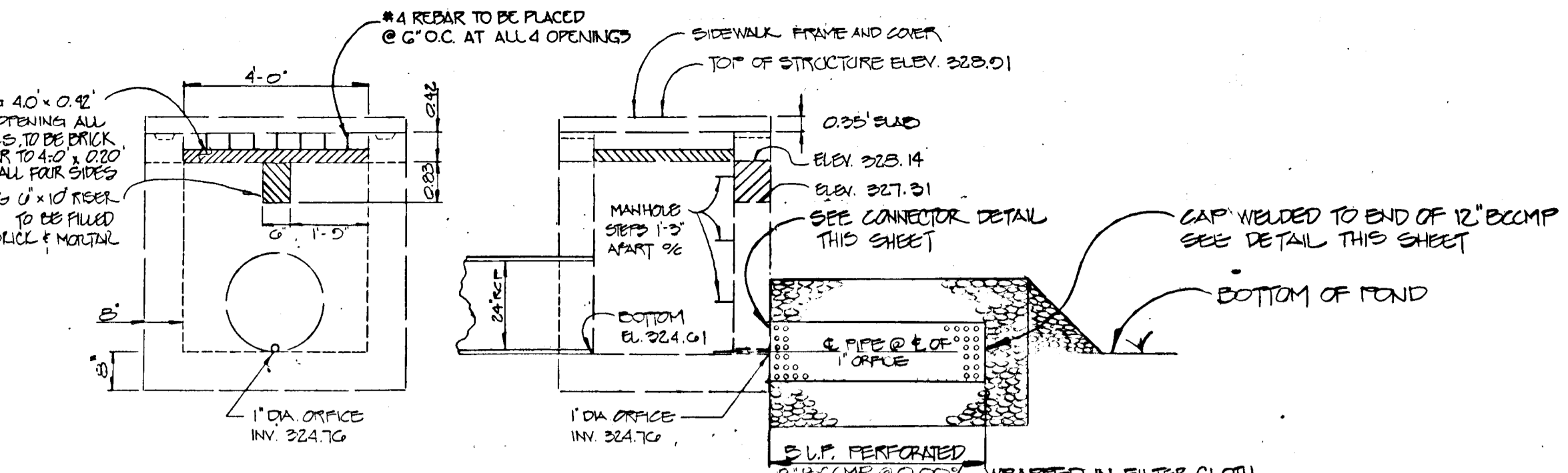
STANDARD 7\"/>



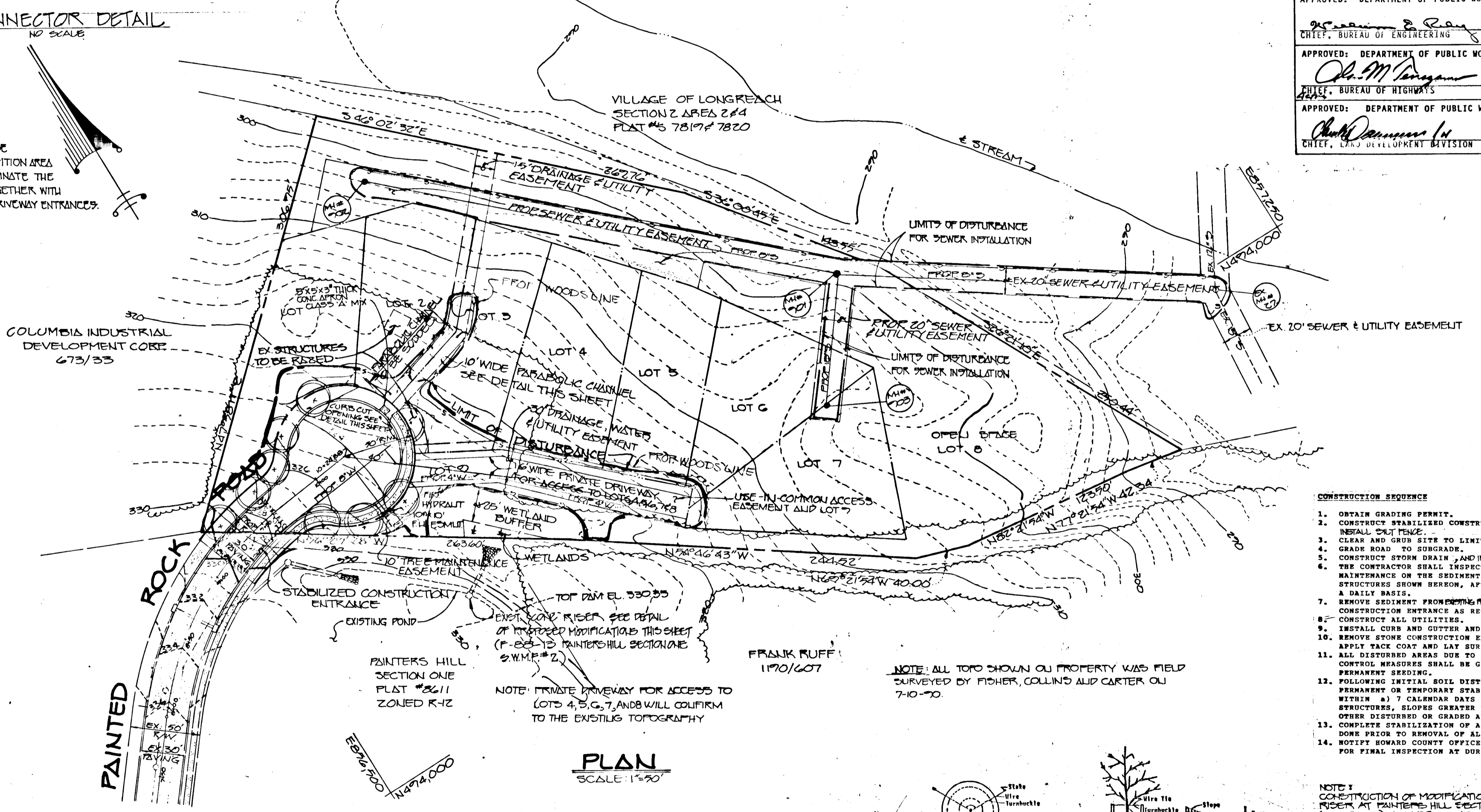
PERFORATED PIPE DETAIL
NO SCALE



CONNECTOR DETAIL
NO SCALE

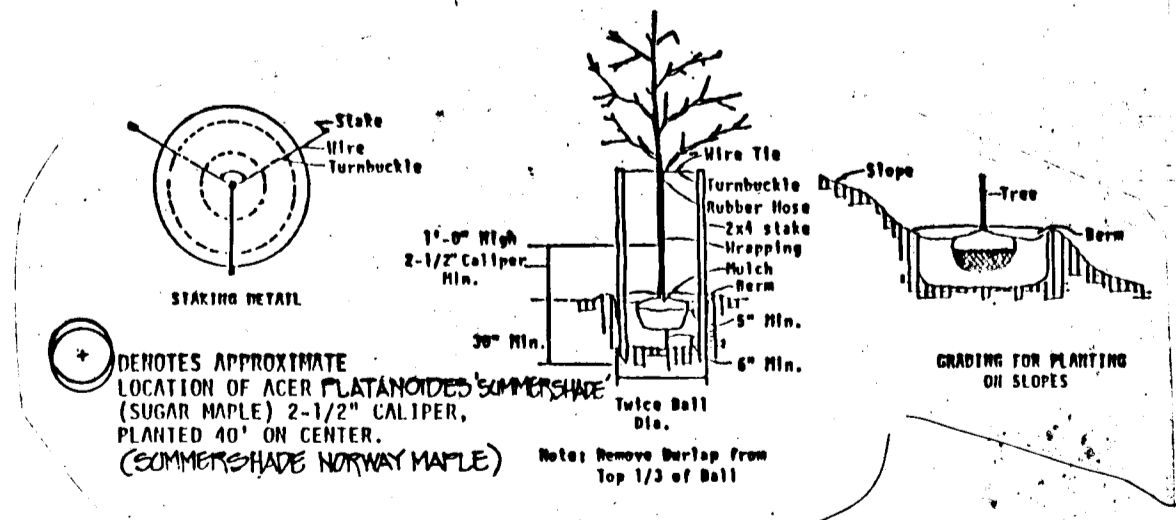


PROPOSED MODIFICATIONS TO EXISTING RISER @ PAINTERS HILL SECTION ONE, S.W.M.F.#2 (F-88-15)
NO SCALE



PLAN
SCALE: 1\"/>

NOTE: NO DISTURBANCE SHALL TAKE PLACE WITHIN THE LIMITS OF THE WETLAND OR 25' WETLAND BUFFERS AS DELINEATED ON THIS PLAN.



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: TREES TO BE PLANTED A MINIMUM OF 4' BEHIND SIDEWALK.

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.	
<i>John L. Robertson</i>	10/11/92
REGISTERED PROFESSIONAL ENGINEER	DATE
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.	
<i>Kenneth E. Emb</i>	11/9/91
REGISTERED DEVELOPER	DATE
<i>John M. Hahn</i>	3/27/92
REGISTERED DEVELOPER	DATE
<i>John L. Robertson</i>	3/27/92
REGISTERED PROFESSIONAL ENGINEER	DATE
<i>William A. Homan</i>	4/29/92
REGISTERED PROFESSIONAL ENGINEER	DATE
<i>William A. Homan</i>	4-24-92
REGISTERED PROFESSIONAL ENGINEER	DATE
<i>John M. Hahn</i>	4/1/92
REGISTERED DEVELOPER	DATE
<i>John M. Hahn</i>	4/28/92
REGISTERED DEVELOPER	DATE

- CONSTRUCTION SEQUENCE**
1. OBTAIN GRADING PERMIT.
 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, AND INSTALL Silt Fence.
 3. CLEAN AND GRUB SITE TO LIMITS OF DISTURBANCE.
 4. GRADE ROAD TO SUBGRADE.
 5. CONSTRUCT STORM DRAIN AND METAL INLET PROTECTION.
 6. 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.
 7. REMOVE SEDIMENT FROM DRIVEWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
 8. CONSTRUCT ALL UTILITIES.
 9. INSTALL CURB AND GUTTER AND SUB-BASE ON ROADS.
 10. REMOVE STONE CONSTRUCTION ENTRANCE, CLEAN BASE COURSE, APPLY TACK COAT AND LAY SURFACE COURSES.
 11. ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.
 12. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN a) 7 CALENDAR DAYS FOR PERIMETER SEDIMENT CONTROL STRUCTURES, b) 14 DAYS FOR ALL OTHER DISTURBED OR GRASS AREAS ON THE PROJECT SITE.
 13. COMPLETE STABILIZATION OF ALL DISTURBED AREAS SHALL BE DONE PRIOR TO REMOVAL OF ALL SEDIMENT CONTROLS.
 14. NOTIFY HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS FOR FINAL INSPECTION AT DURATION OF PROJECT (301) 792-7272.

NOTE: CONSTRUCTION OF MODIFICATIONS TO EXISTING CONCRETE RISER AT PAINTERS HILL SECTION ONE, S.W.M.F.#2 (F-88-15) MAY BE DONE AT ANY TIME DURING CONSTRUCTION SEQUENCE.



SEDIMENT CONTROL AND GRADING
MANORWOOD
LOTS 1-9
6TH ELECTORAL DISTRICT HOWARD CO. MD.
TAX MAP # 37 PARCEL 268
SCALE: AS SHOWN DATE: OCTOBER 11, 1991
SHEET 2 OF 3

1642

FISHER, COLLINS & CARTER, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
SUITE 100, 9171 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21043
TELEPHONE: (301) 461-2855

OWNER
ROYAL CROWNING ENTERPRISES INC.
6630 SENECA DRIVE
COLUMBIA, MARYLAND 21046

DEVELOPER
LAND DESIGN & DEVELOPMENT, INC.
10809 HICKORY RIDGE RD. SUITE 100
COLUMBIA, MARYLAND 21046

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, IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 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. 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.)
- 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 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OR 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.

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

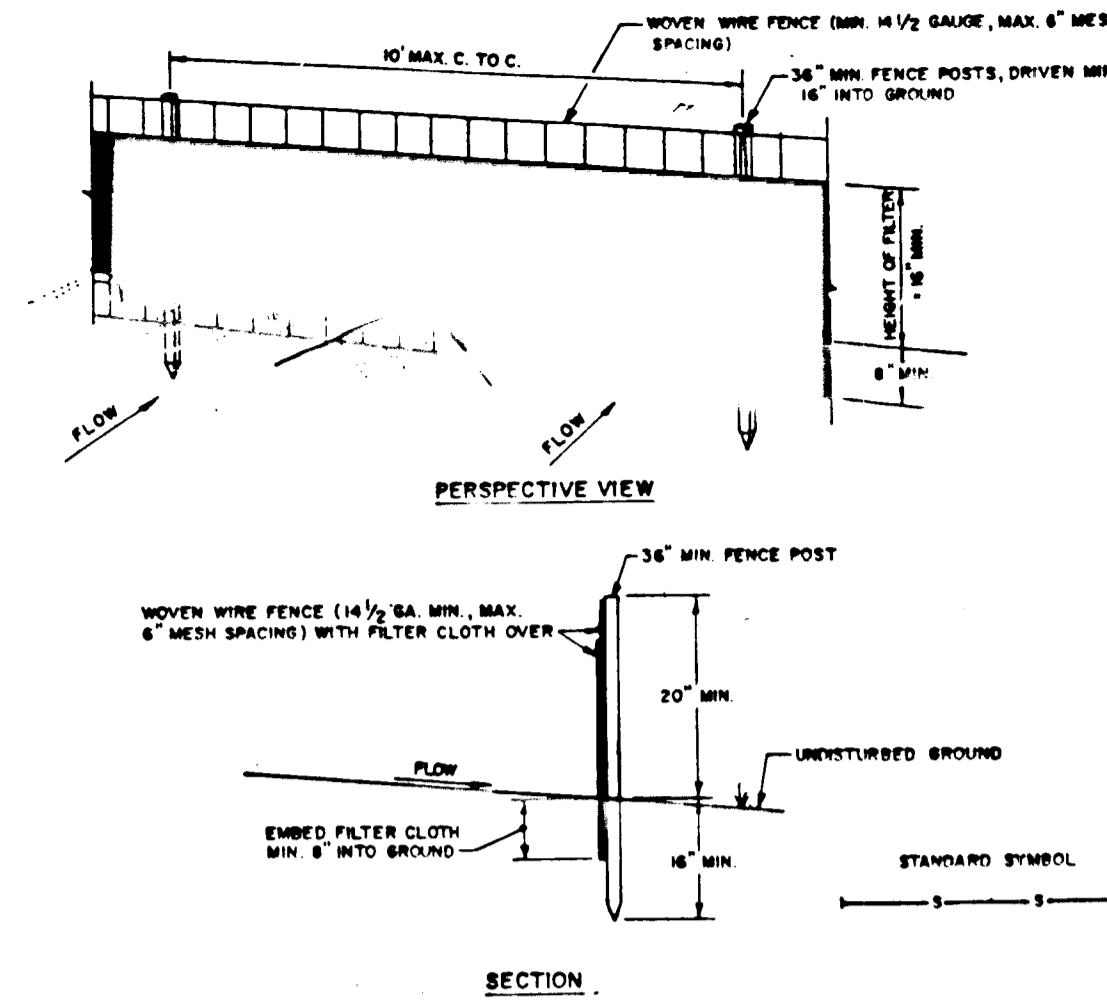
SEEDBED PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.)
SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 1/2 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 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 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.

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 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. 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.
- 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:

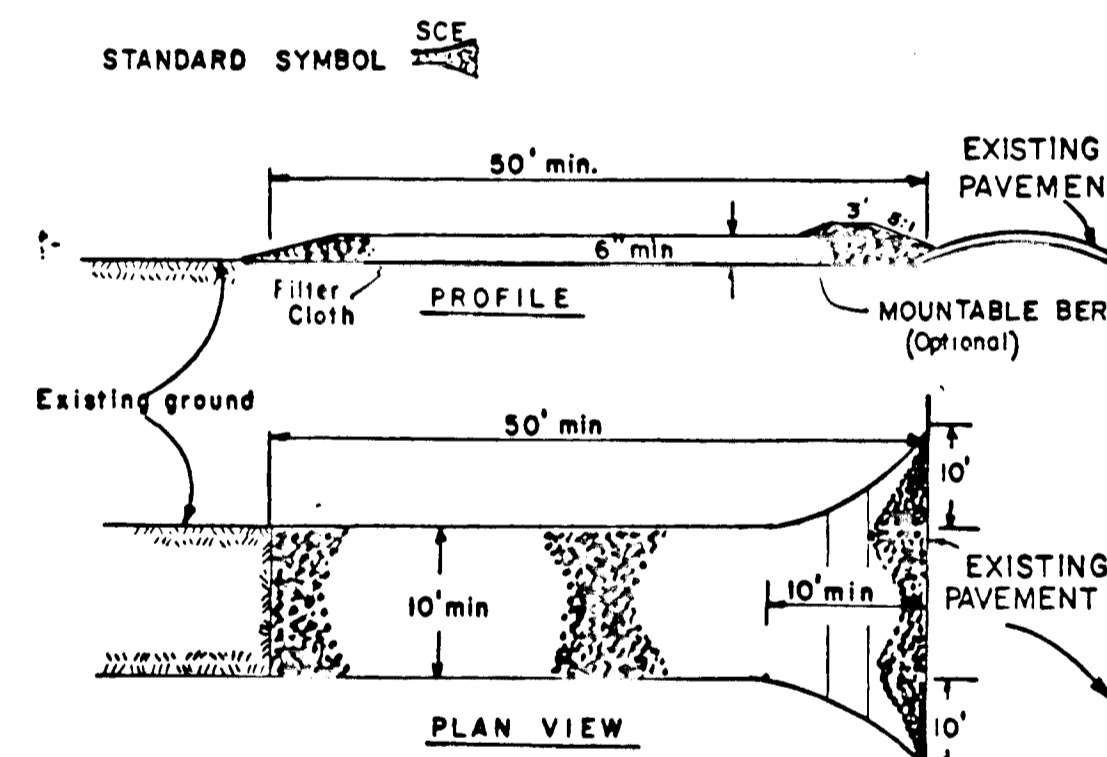
TOTAL AREA OF SITE	3.189 ACRES
AREA DISTURBED	0.55 ACRES
AREA TO BE ROOFED OR PAVED	0.24 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.31 ACRES
TOTAL CUT	500 CU. YDS.
TOTAL FILL	500 CU. YDS.
OFFSITE WASTE/BORROW AREA LOCATION	0 CU. YDS.
- 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY 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 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 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 REPAIRED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
 FENCE: WOVEN WIRE, 14 1/2 GA. 6" MAX. MESH OPENING
 FILTER CLOTH: FILTER X, PERM. 100, STABIL-LINKA 1500 OR APPROVED EQUAL
 PREFABRICATED UNIT: GEOPAB, CONTIFENCE, OR APPROVED EQUAL.

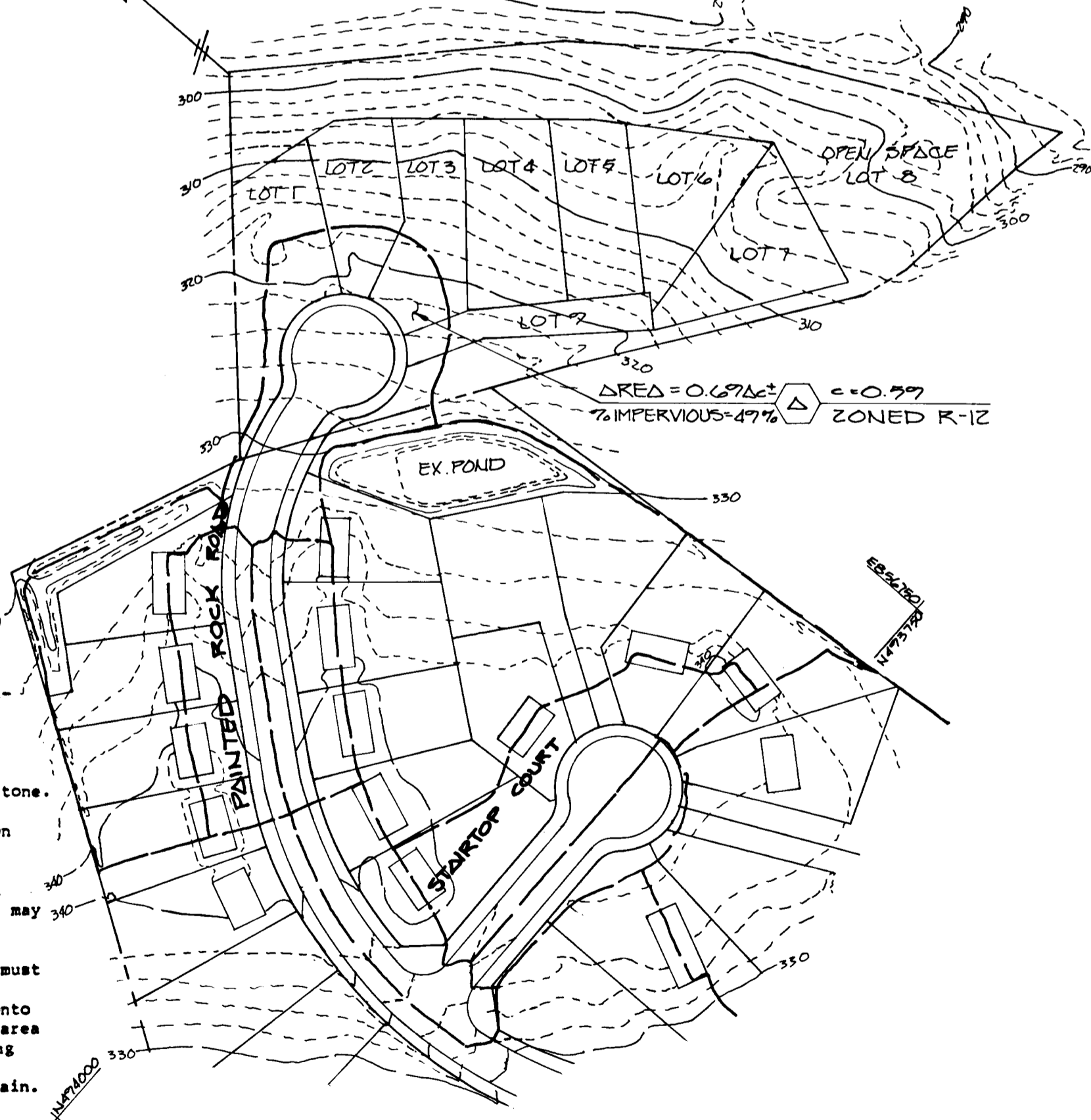
SILT FENCE



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.

STABILIZED CONSTRUCTION ENTRANCE



DRAINAGE AREA MAP

SCALE: 1" = 100'

DRAINAGE AREA MAP
 NOTES AND DETAILS
MANORWOOD
 LOTS 1-7
 6TH ELECTION DISTRICT HOWARD CO. MD.
 TAX MAP #57 PARCEL 268
 SCALE: AS SHOWN DATE OCTOBER 11, 1991
 SHEET 3 OF 3

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: *[Signature]* DATE: 10/14/91

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: *[Signature]* DATE: 10/19/91

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 SIGNATURE: *[Signature]* DATE: 3/27/92
 U.S. SOIL CONSERVATION DISTRICT

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *[Signature]* DATE: 3/27/92
 DISTRICT HOWARD SOIL CONSERVATION DIST.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
[Signature] DATE: 4/29/92
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: DEPARTMENT OF PUBLIC WORKS
[Signature] DATE: 4-24-92
 CHIEF, BUREAU OF ENGINEERING

APPROVED: DEPARTMENT OF PUBLIC WORKS
[Signature] DATE: 4/10/92
 CHIEF, BUREAU OF HIGHWAYS

APPROVED: DEPARTMENT OF PUBLIC WORKS
[Signature] DATE: 4/29/92
 CHIEF, LAND DEVELOPMENT DIVISION



OWNER
 ROYAL CROWNING ENTERPRISES INC.
 6630 SENECA DRIVE
 COLUMBIA, MARYLAND 21046

DEVELOPER
 LAND DESIGN & DEVELOPMENT INC.
 10805 HICKORY RIDGE RD SUITE 100
 COLUMBIA, MARYLAND 21046

FISHER, COLLINS & CARTER, INC.

LAND SURVEYORS
 SUITE 100, 9771 BALTIMORE NATIONAL PIKE
 ELICOTT CITY, MARYLAND 21042
 (301) 461-2855

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