

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 HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

DATE: 4-4-83
 SIGNATURE OF ENGINEER: [Signature]

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 COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

DATE: 4-4-83
 SIGNATURE OF DEVELOPER: [Signature]

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 DATE: 5-9-83
 SIGNATURE: [Signature]

U.S. SOIL CONSERVATION SERVICE
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 DATE: 5-9-83
 SIGNATURE: [Signature]

DISTRICT COORDINATOR
 HOWARD COUNTY SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PUBLIC WORKS.
 FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.
 DATE: 5-31-83
 SIGNATURE: [Signature]

DIRECTOR, PUBLIC WORKS

APPROVED: OFFICE OF PLANNING AND ZONING
 DATE: 5-31-83
 SIGNATURE: [Signature]

CHIEF, BUREAU OF ENGINEERING

APPROVED: OFFICE OF PLANNING AND ZONING
 DATE: 5-31-83
 SIGNATURE: [Signature]

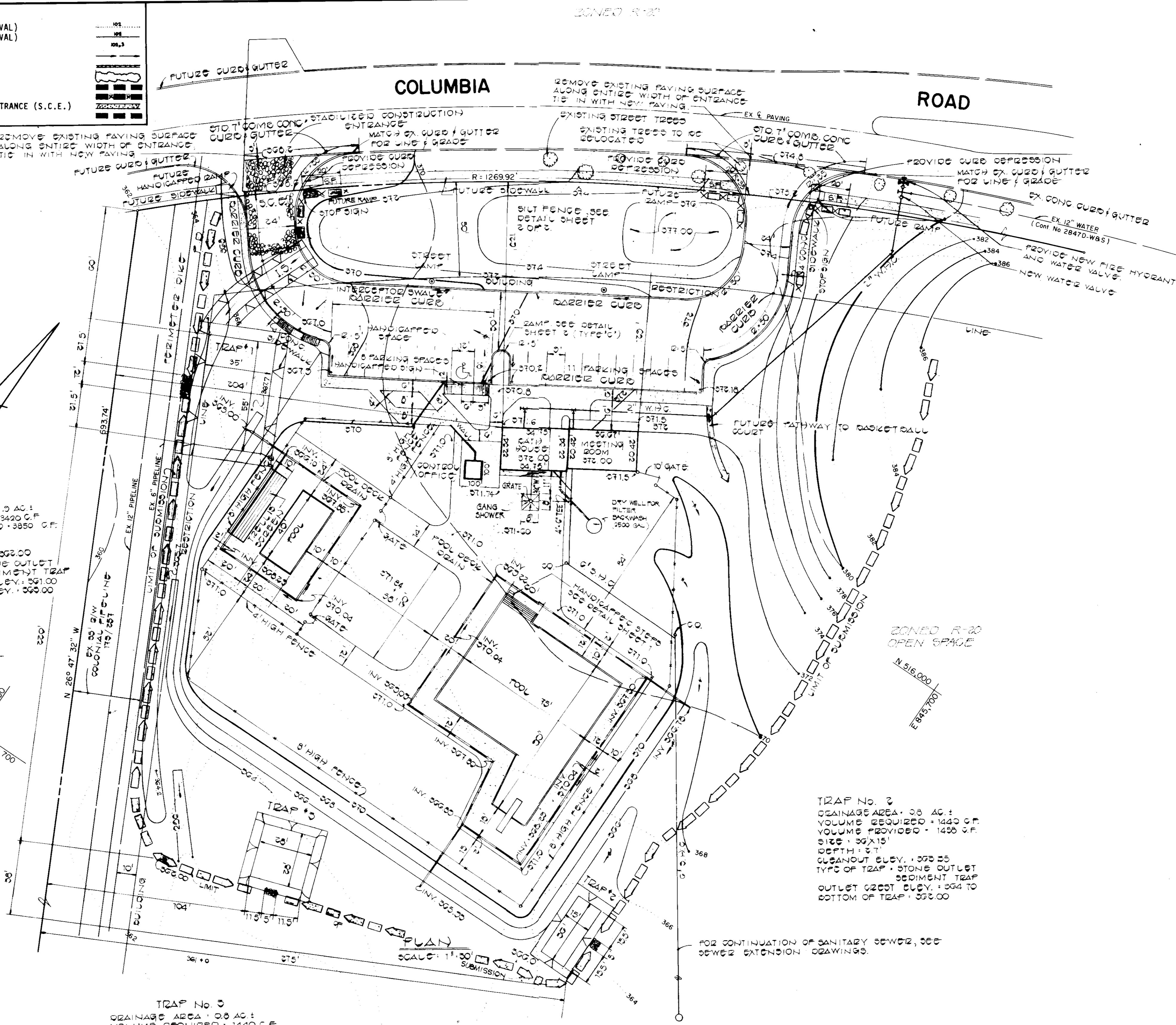
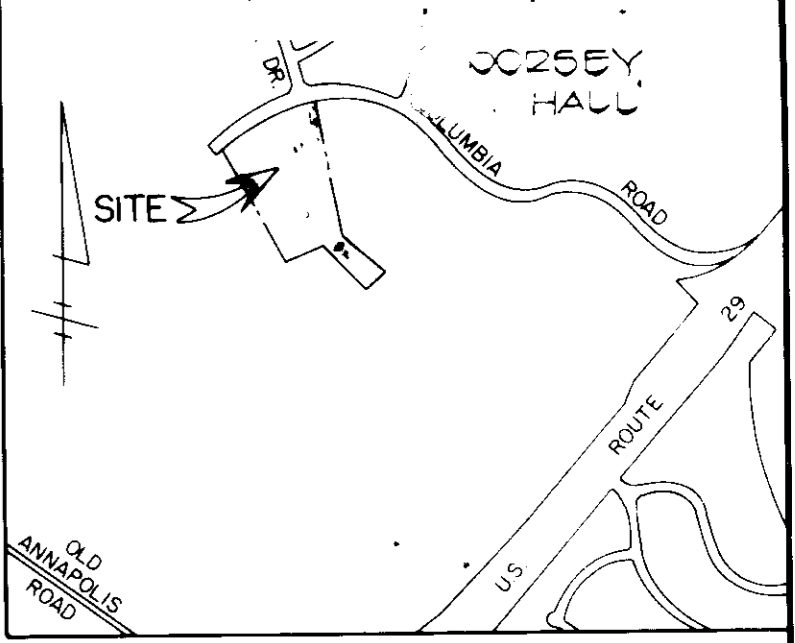
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT.
 FOR PUBLIC WATER AND SEWERAGE SYSTEMS.
 DATE: 5/31/83
 SIGNATURE: [Signature]

HEALTH OFFICER

LEGEND

EXISTING CONTOUR (2' INTERVAL)
 PROPOSED CONTOUR (2' INTERVAL)
 SPOT ELEVATION
 DRAINAGE FLOW
 RETAINING WALL
 EX. WOODS TO BE SAVED
 STRAW BALE DIKE (S.B.D.)
 SILT FENCE (S.F.)
 STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)
 PERIMETER DIKE (P.D.)

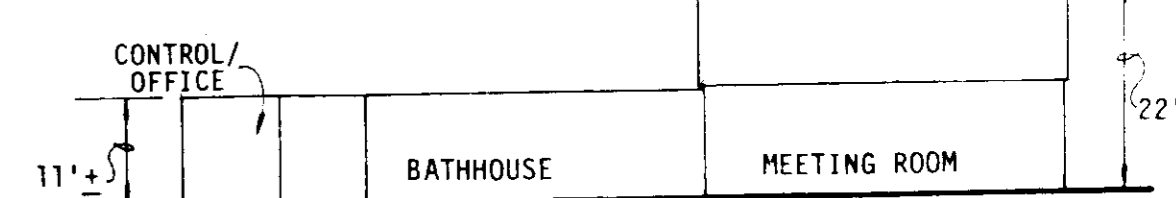


TRAP No. 1
 DRAINAGE AREA: 1.0 AC ±
 VOLUME REQUIRED: 3420 C.F.
 VOLUME PROVIDED: 3850 C.F.
 SIZE: 35' x 20'
 DEPTH: 2'-0"
 CLEANOUT ELEV.: 322.00
 TYPE OF TRAP: STONE OUTLET
 BOTTOM OF TRAP: 321.00
 OUTLET GREST ELEV.: 323.00

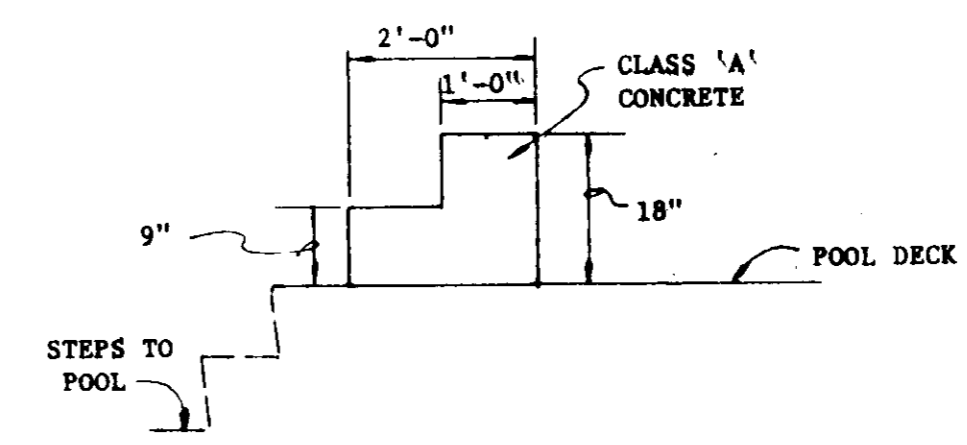
TRAP No. 2
 DRAINAGE AREA: 0.8 AC ±
 VOLUME REQUIRED: 1440 C.F.
 VOLUME PROVIDED: 1450 C.F.
 SIZE: 30' x 15'
 DEPTH: 2'-0"
 CLEANOUT ELEV.: 323.55
 TYPE OF TRAP: STONE OUTLET
 BOTTOM OF TRAP: 322.00
 OUTLET GREST ELEV.: 324.00

TRAP No. 3
 DRAINAGE AREA: 0.8 AC ±
 VOLUME REQUIRED: 1440 C.F.
 VOLUME PROVIDED: 1550 C.F.
 SIZE: 30' x 20'
 DEPTH: 2'-0"
 CLEANOUT ELEV.: 324.00
 TYPE OF TRAP: STONE OUTLET
 BOTTOM OF TRAP: 323.00
 OUTLET GREST ELEV.: 325.00

- GENERAL NOTES**
- TOTAL AREA OF SUBMISSION - 3.3 AC ± TOTAL PARCEL 10.391 AC ±
 - PRESENT ZONING R-20 (OPEN SPACE)
 - PROPERTY IS RECORDED IN PLAT BOOK 4423
 - PARKING DATA
 - USE - RECREATIONAL FACILITY (SWIMMING POOL)
 - TOTAL NUMBER OF SPACES PROVIDED 20
 - REGULAR SPACES (9' x 18') - 19
 - HANDICAPPED SPACES (12' x 18') - 1
 - THE PROPERTY IS LOCATED ON TAX MAP 24, PARCEL 1147
 - THE CONTRACTOR SHALL NOTIFY MISS UTILITY 24 HOURS PRIOR TO COMMENCEMENT OF WORK AT 992-2418.
 - HANDICAPPED FACILITIES TO BE CONSTRUCTED IN ACCORDANCE WITH THE "DESIGN OF BARRIER FREE FACILITIES" AND THE "MARYLAND BUILDING CODE FOR THE HANDICAPPED AND AGED."
 - ALL PAVING AND STORM DRAIN CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY ROAD CONSTRUCTION CODE AND STANDARD SPECIFICATIONS.
 - EXISTING UTILITIES SHOWN HEREON HAVE BEEN LOCATED FROM FIELD AND OFFICE INFORMATION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING UTILITIES TO HIS OWN SATISFACTION BEFORE MAKING ANY CONNECTION THERETO OR EXCAVATING IN THE AREA THEREOF.
 - THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 559-0100 A MINIMUM OF THREE DAYS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON.
 - TOPOGRAPHY SHOWN IS FIELD RUN AND TAKEN FROM A SURVEY BY HUDKINS ASSOCIATES DATED MARCH 8, 1983.
 - PUBLIC WATER AND PUBLIC SEWER WILL BE UTILIZED.
 - ALL ROADWAYS AND PARKING AREAS TO BE PRIVATELY OWNED AND MAINTAINED.
 - INSTALLATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE 1971 EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
 - SEE ARCHITECTURAL PLANS FOR DIMENSIONS OF BUILDINGS AND DIMENSIONS OF SWIMMING POOLS.
 - EIGHT (8) FOOT FENCE TO BE 11 GAUGE VINYL COATED WITH TOP AND BOTTOM RAILS. FENCE POSTS TO BE PAINTED GREEN TO MATCH FENCE FABRIC. FENCE POSTS TO BE SET IN CONCRETE.
 - FOUR (4) FOOT FENCE TO BE THE SAME AS EIGHT (8) FOOT FENCE, EXCEPT TOP AND BOTTOM WIRE IN LIEU OF RAILS.



BUILDING PROFILE
 NOT TO SCALE



HANDICAPPED STEPS TO POOL
 NOT TO SCALE

REVISION
 11-21-83 ADDED BARRIER CURB
 REVISION
 5-5-83 REMOVED SILT FENCE AND STABILIZED CONSTRUCTION ENTRANCE

FISHER, COLLINS AND CARTER
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 301-461-2855

- SITE ANALYSIS**
- TOTAL AREA OF PARCEL OR LOT: 10.391 AC ±
 - TOTAL AREA TO BE DISTURBED: 3.5 AC ±
 - TOTAL IMPERVIOUS AREA: 1.0 AC ±
 - TOTAL AREA TO BE REVEGETATED: 2.5 AC ±



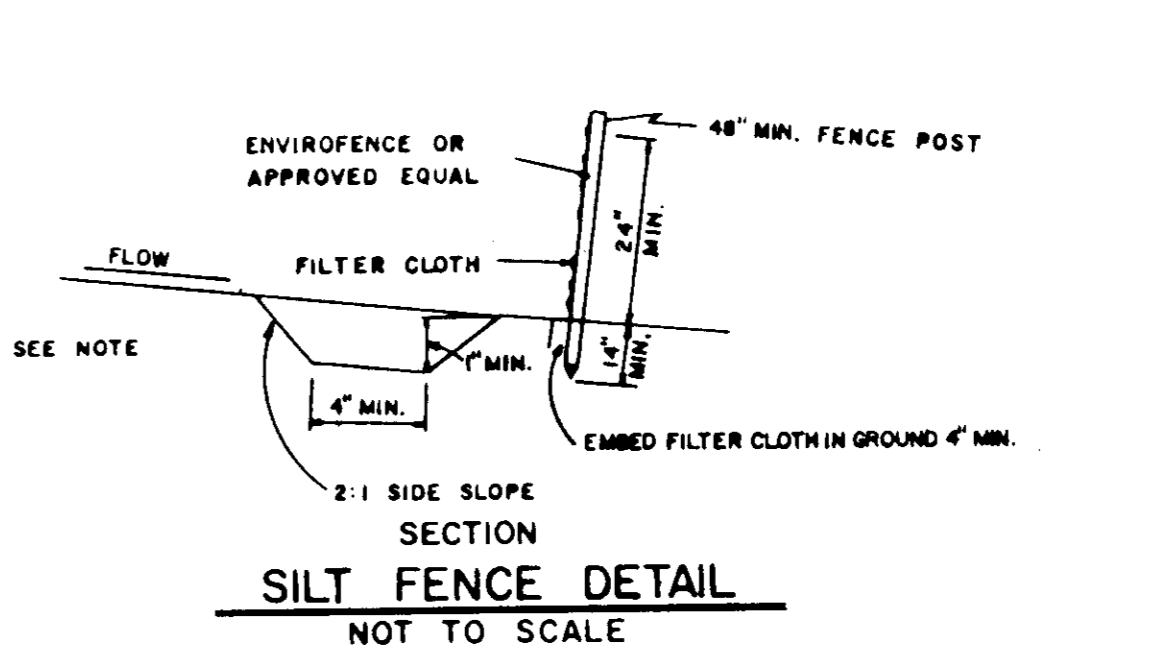
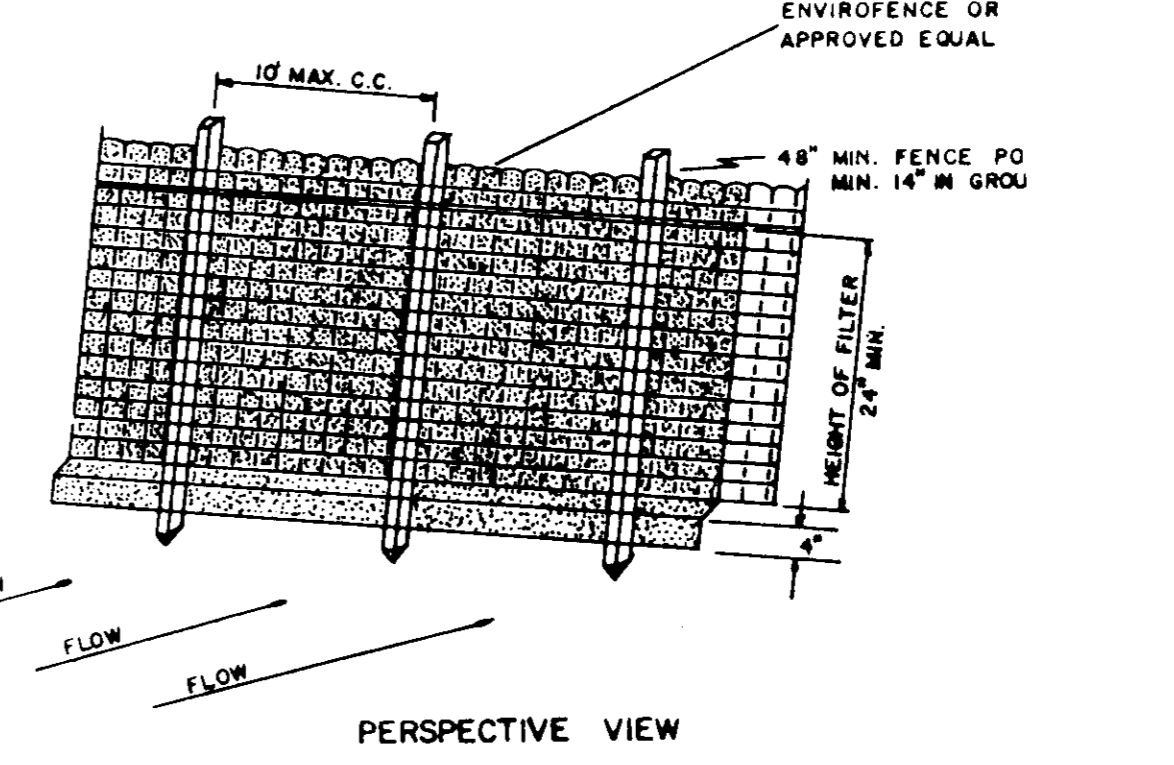
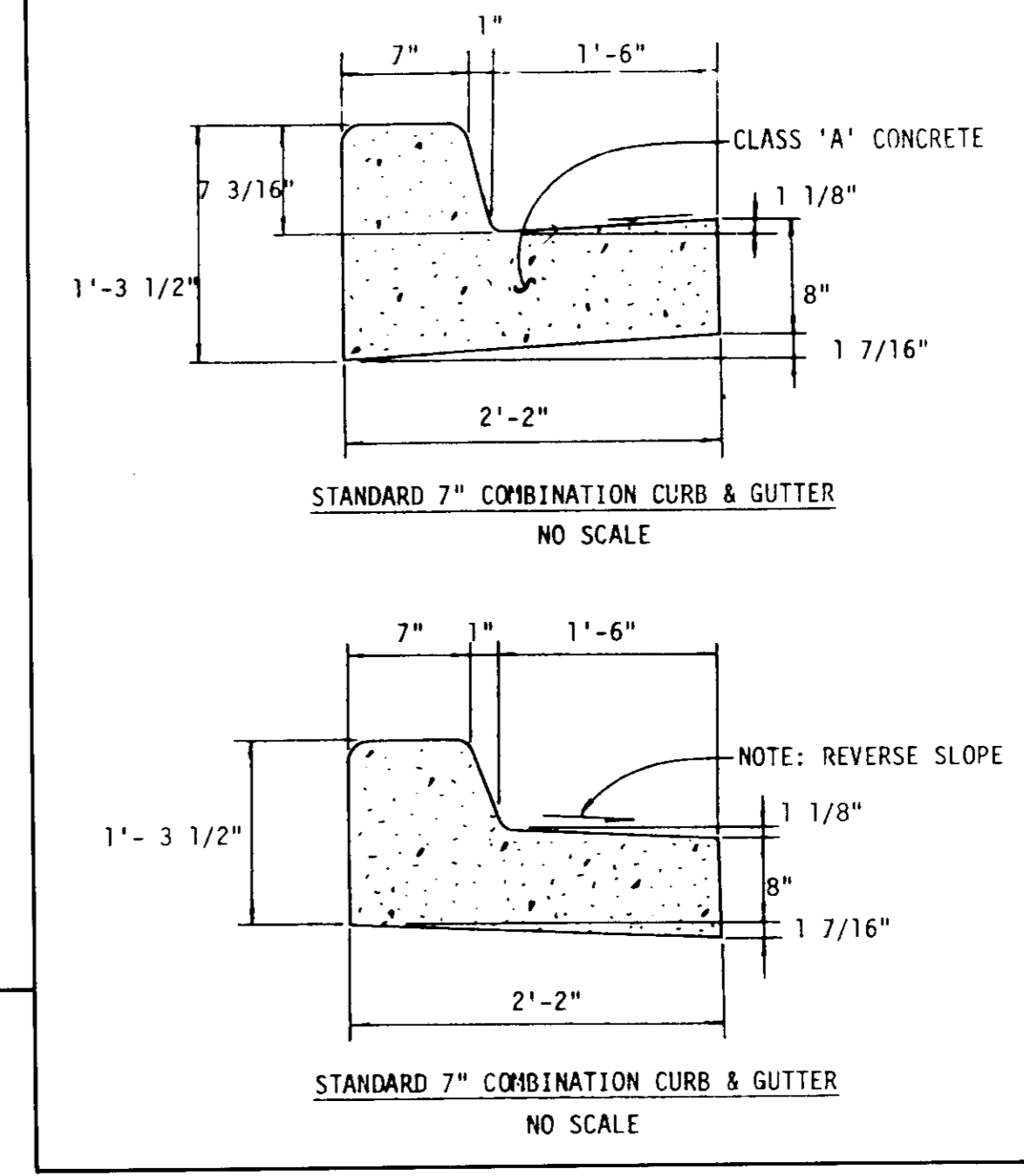
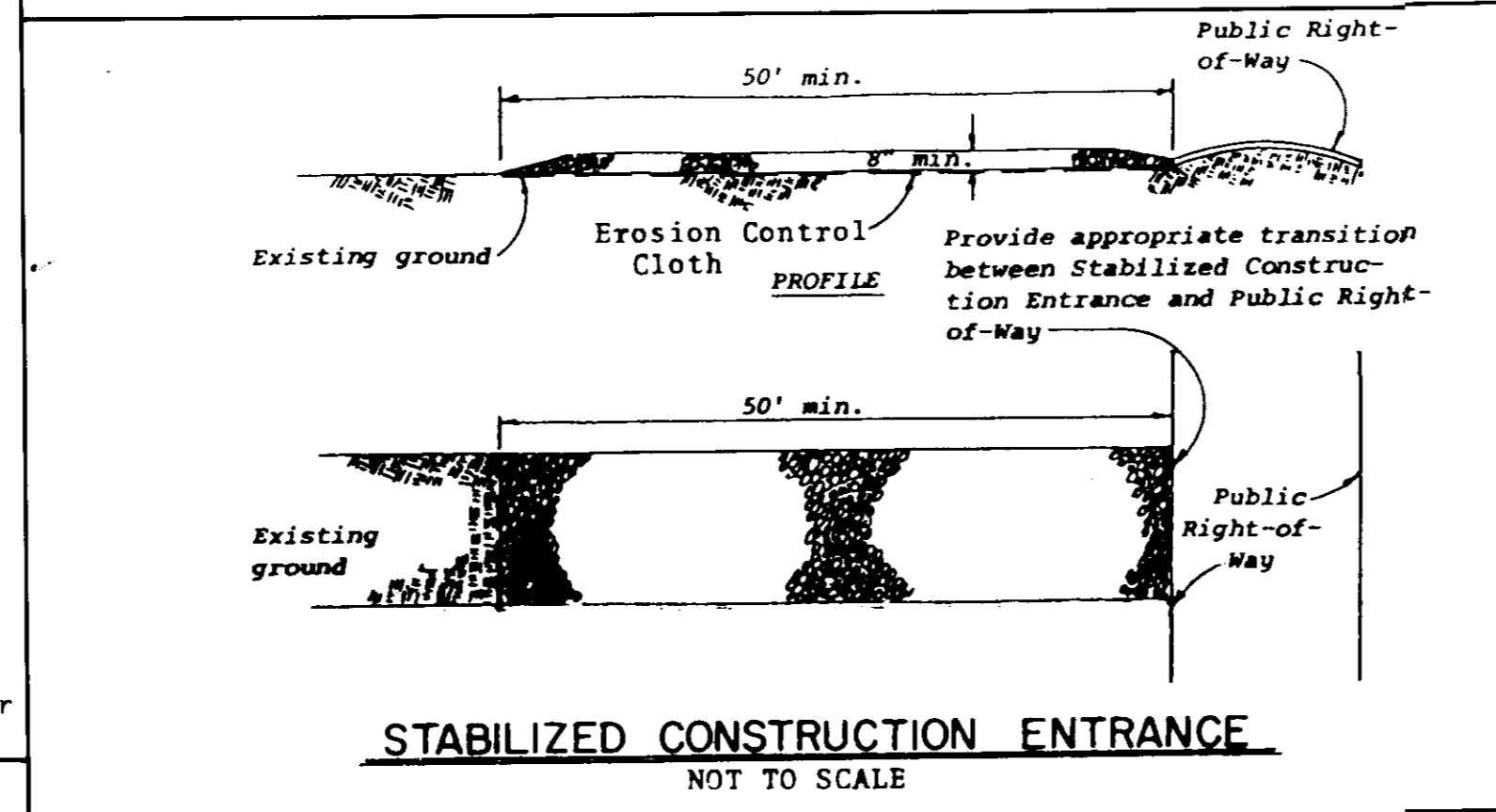
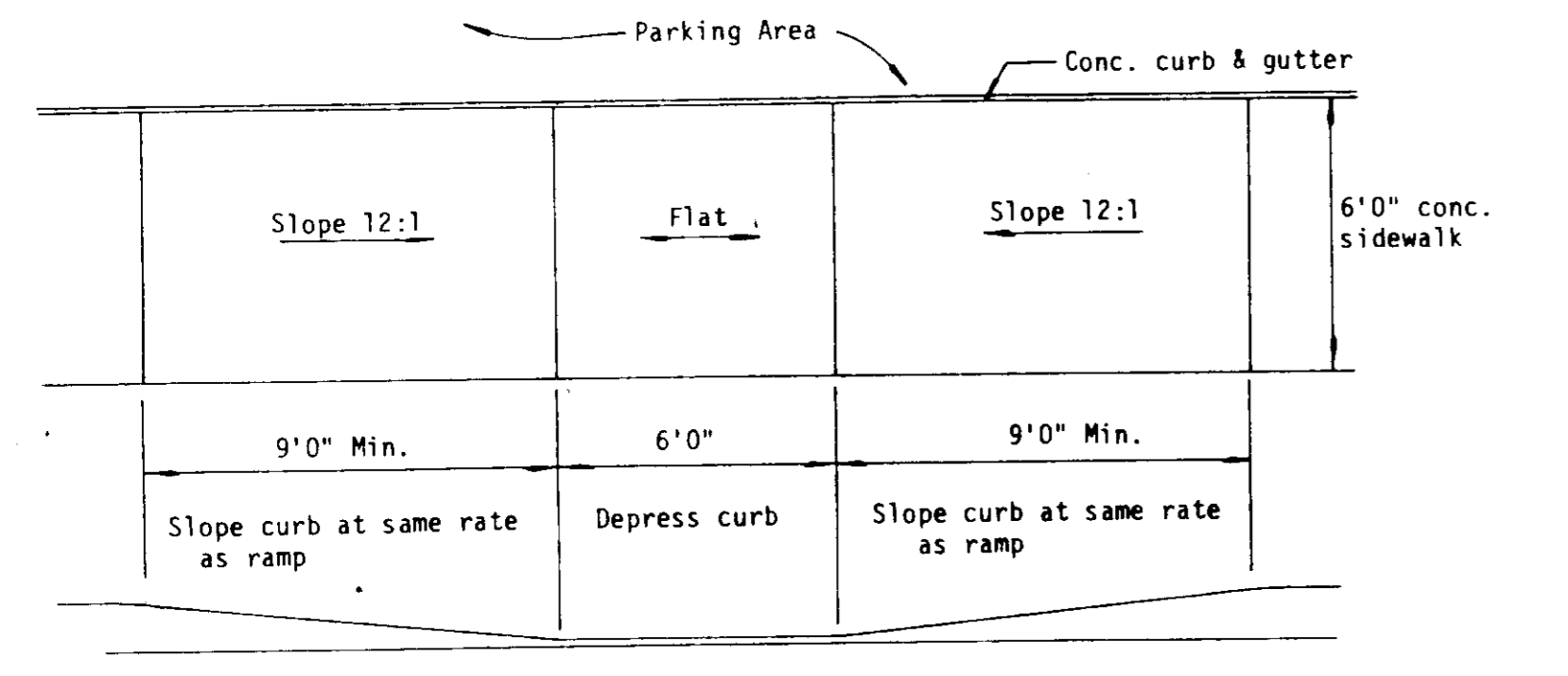
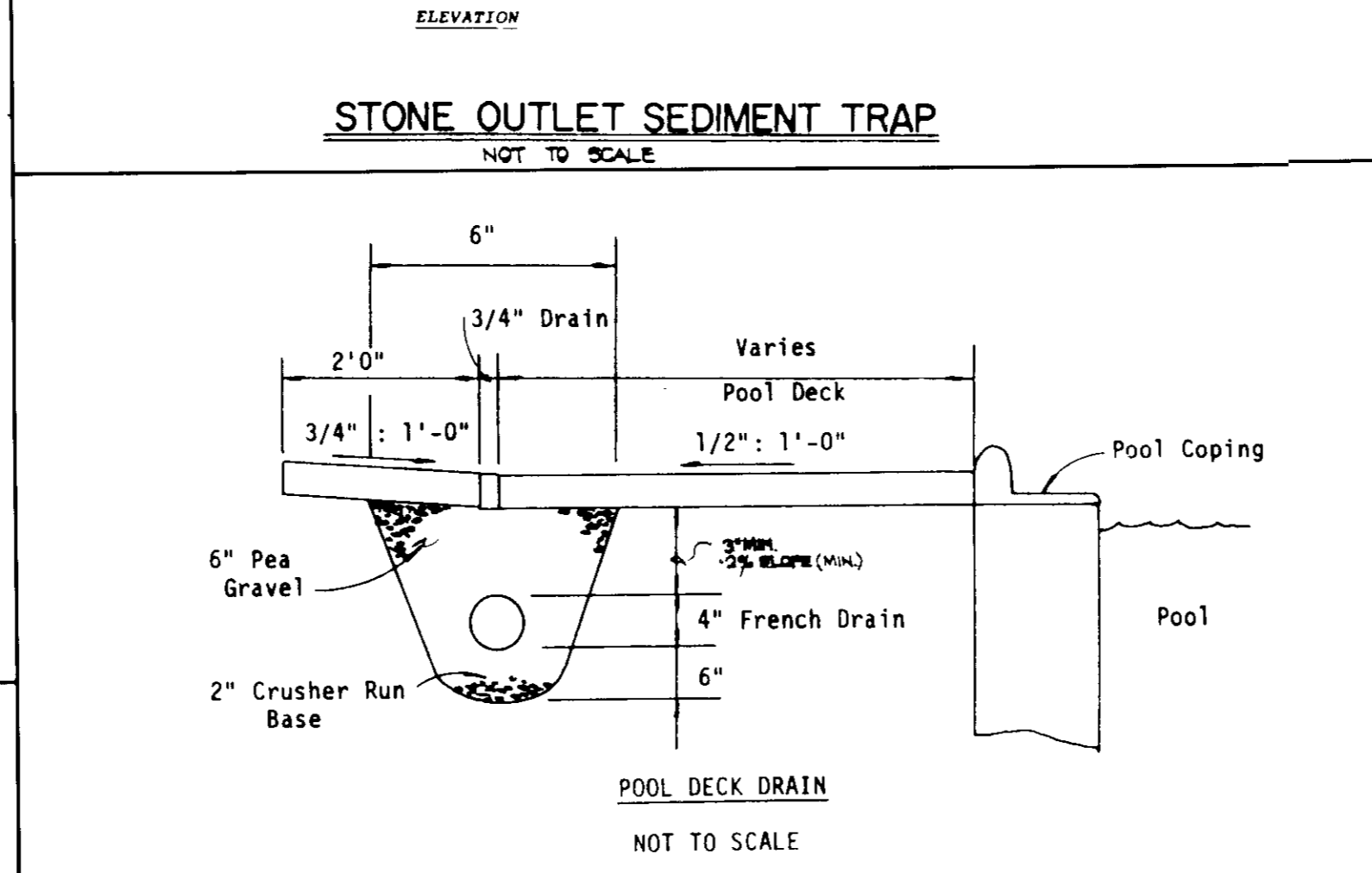
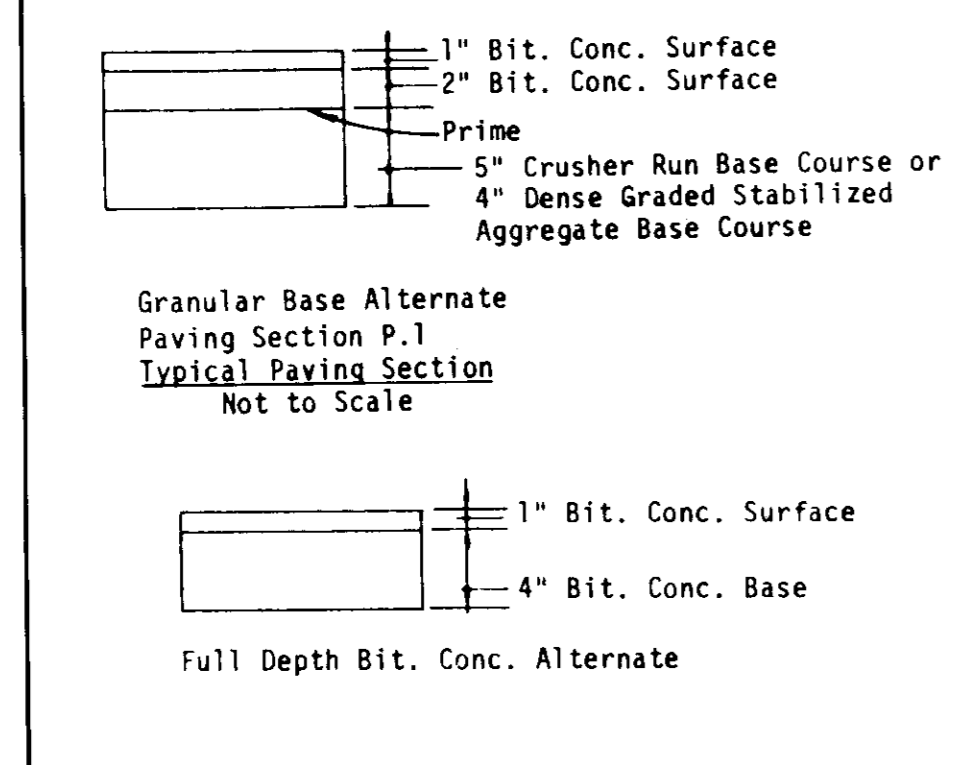
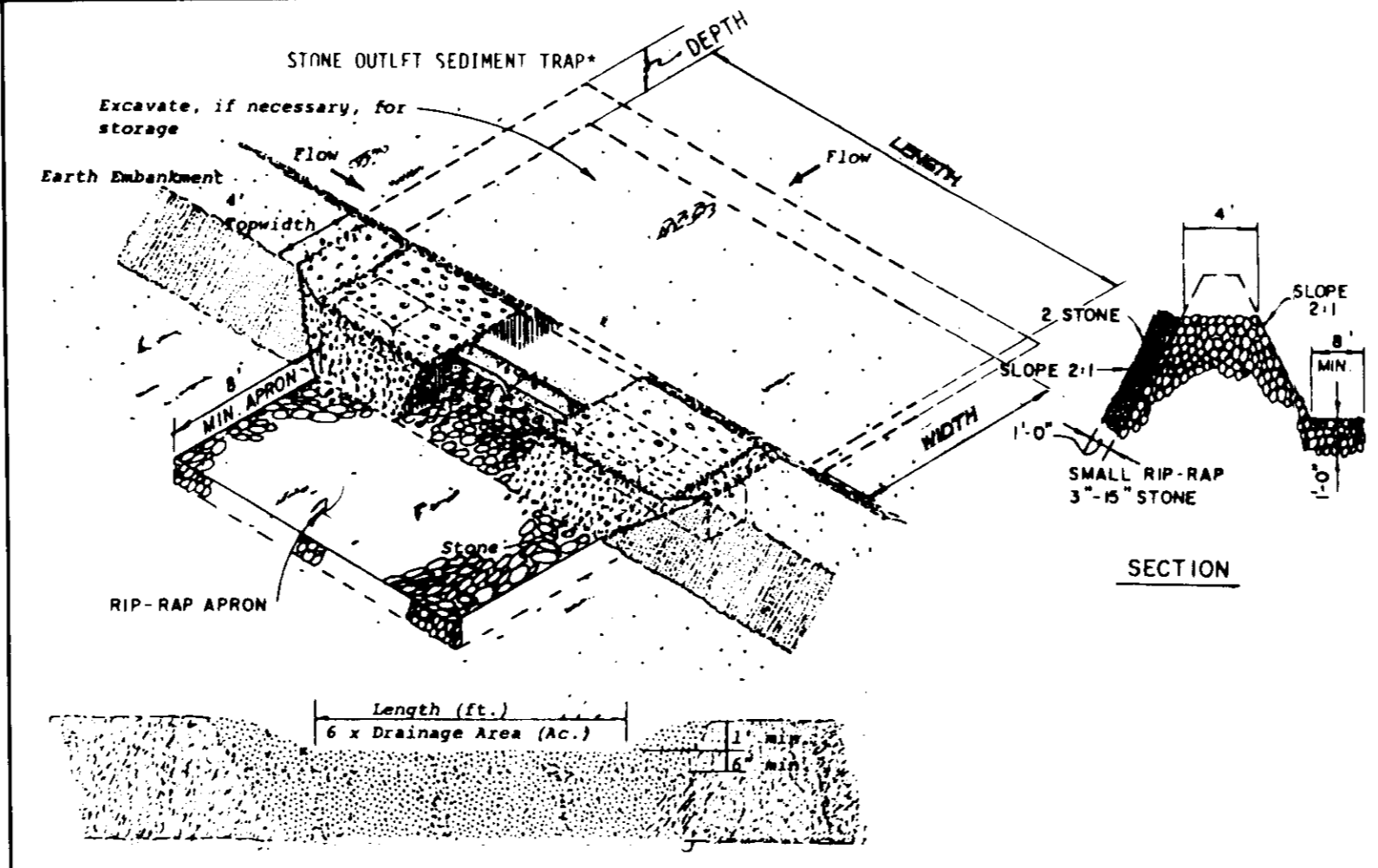
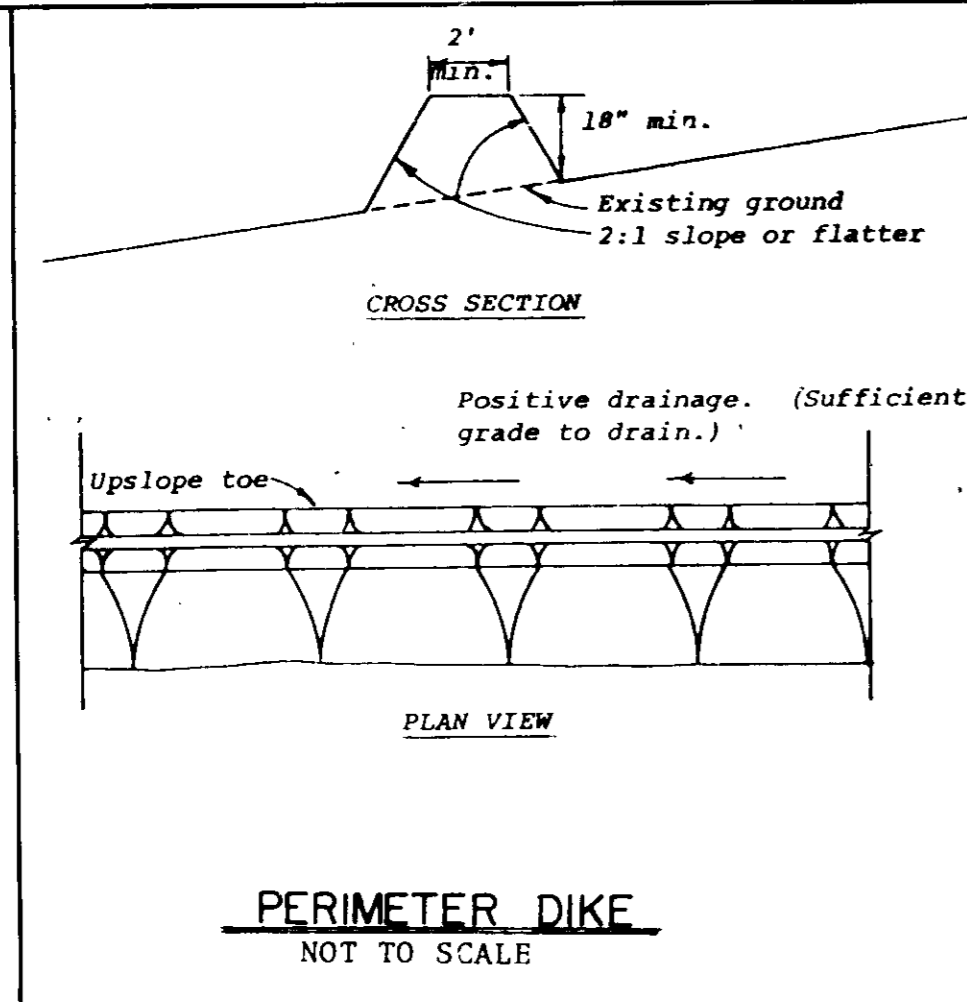
OWNER AND DEVELOPER
COLUMBIA PARKS AND RECREATION ASSOCIATION
 5829 BANNEKER ROAD
 COLUMBIA, MARYLAND 21044

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE: 4-22-83
 [Signature]

DORSEY HALL NEIGHBORHOOD POOL
 OPEN SPACE LOT 146
DORSEY HALL
 SECTION ONE AREA THREE
 2ND ELECTION DISTRICT HOWARD CO., MARYLAND
 APRIL 10, 1983 SHEET 1 OF 2 SCALE: AS SHOWN

SEDIMENT CONTROL NOTES

1. SPECIFICATIONS FOR THE SEDIMENT CONTROL DETAILS INCLUDED IN THE U.S.D.A. SOIL CONSERVATION SERVICE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS.
2. THE DEVELOPER SHALL NOTIFY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS AT LEAST 24 HOURS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON (992-2433).
3. SEDIMENT CONTROL STRUCTURES TO BE CONSTRUCTED PRIOR TO ANY ON-SITE GRADING OR DISTURBANCE TO ANY EXISTING SURFACE MATERIAL, AND ARE TO BE STABILIZED AS SOON AS CONSTRUCTED.
4. ALL SEDIMENT CONTROL STRUCTURES TO REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS (992-2433).
5. ALL GRADED AREAS NOT TO BE SODDED SHALL BE STABILIZED BY SEEDING AND MULCHING IN ACCORDANCE WITH THE FOLLOWING:
 - A. SITE PREPARATION
 1. HARROW OR DISC IN AREAS PROPOSED TO BE SEEDED THE FOLLOWING MATERIALS
 - 1) PULVERIZED LIMESTONE AT 2 TONS/ACRE.
 - 2) COMMERCIAL FERTILIZER 10-10-10 AT 3/4 TONS/ACRE.
 - 3) SUPER PHOSPHATE AT 600 LBS./ACRE.
 - B. SEEDING
 1. SOW THE FOLLOWING SEED MIXTURE AT THE RATE OF 200 LBS./ACRE WITH A MECHANICAL SPREADER
 - 1) TEMPORARY: ITALIAN OR PERENNIAL RYE GRASS.
 - 2) PERMANENT: 40% MARION BLUE GRASS, 40% DAKOTA BLUE GRASS AND 20% PENN LAWN CREEPING FESCUE.
 2. THE SEEDED AREA SHALL THEN BE RAKED WITH A YORK RAKE (A MINIMUM OF 2 PASSES) COVERED AND COMPACTED WITH CULTIPACKER OR OTHER APPROVED METHOD.
 - C. MULCHING
 1. SEEDED AREAS SHALL BE UNIFORMLY MULCHED IMMEDIATELY AFTER SEEDING WITH UNWEATHERED SMALL GRAIN STRAW AT THE RATE OF 1 1/2-2 TONS/ACRE.
 2. TIE MULCH DOWN WITH LIQUID ASPHALT AT 0.1 GAL./S.Y. OR EMULSIFIED ASPHALT AT 0.04 GAL./S.Y. OR MULCH NETTING.



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 DEVELOPER: *[Signature]* DATE: 4-22-83

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: 4-22-83

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

SIGNATURE OF U.S. SOIL CONSERVATION SERVICE: *[Signature]* DATE: 5-11-83

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

APPROVED: *[Signature]* DATE: 5-28-83

DISTRICT COORDINATOR
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER AND SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

SIGNATURE OF DIRECTOR: *[Signature]* DATE: 5-31-83

CHIEF, BUREAU OF ENGINEERING

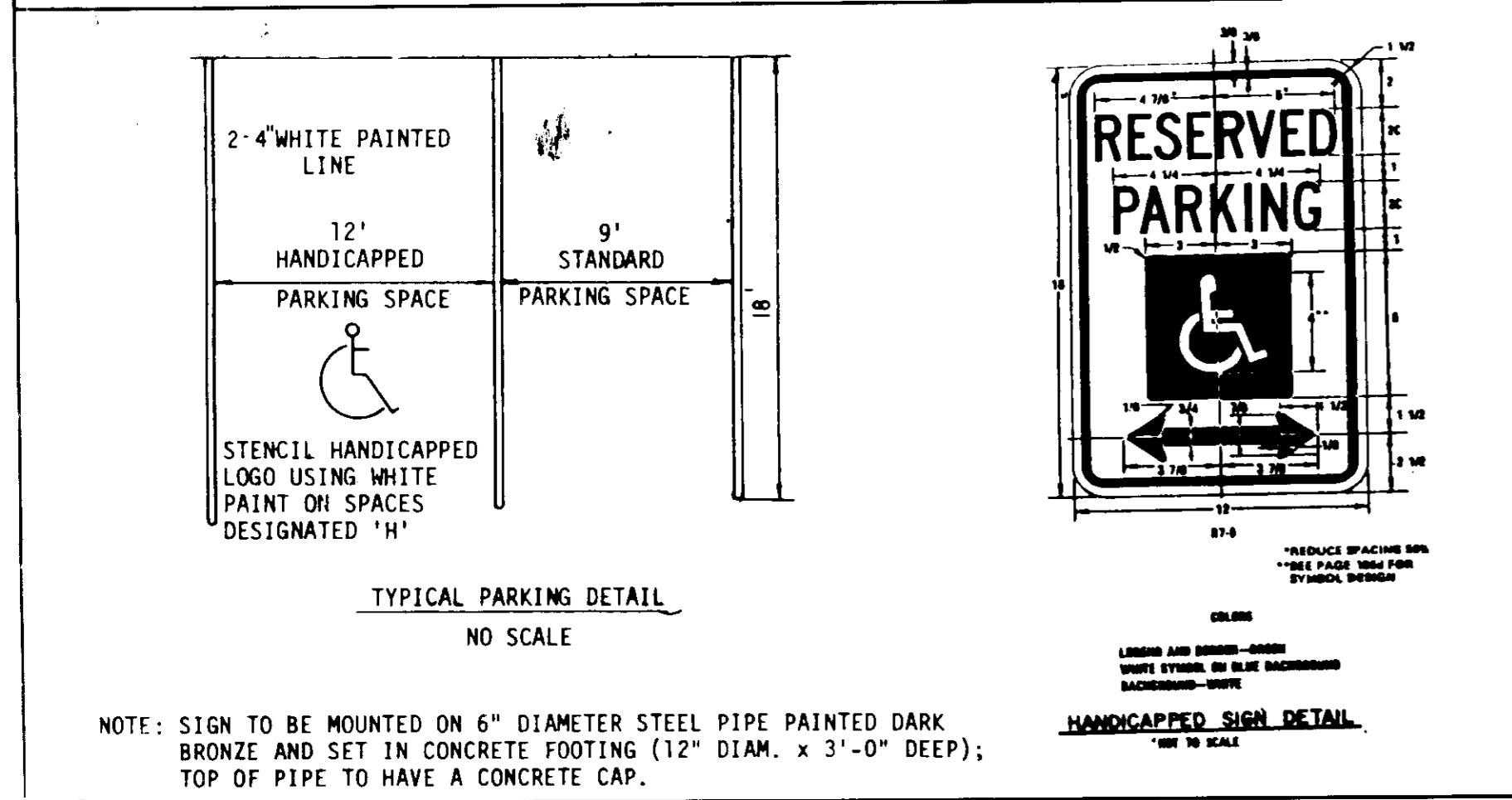
APPROVED: OFFICE OF PLANNING AND ZONING

SIGNATURE OF PLANNING DIRECTOR: *[Signature]* DATE: 5-21-83

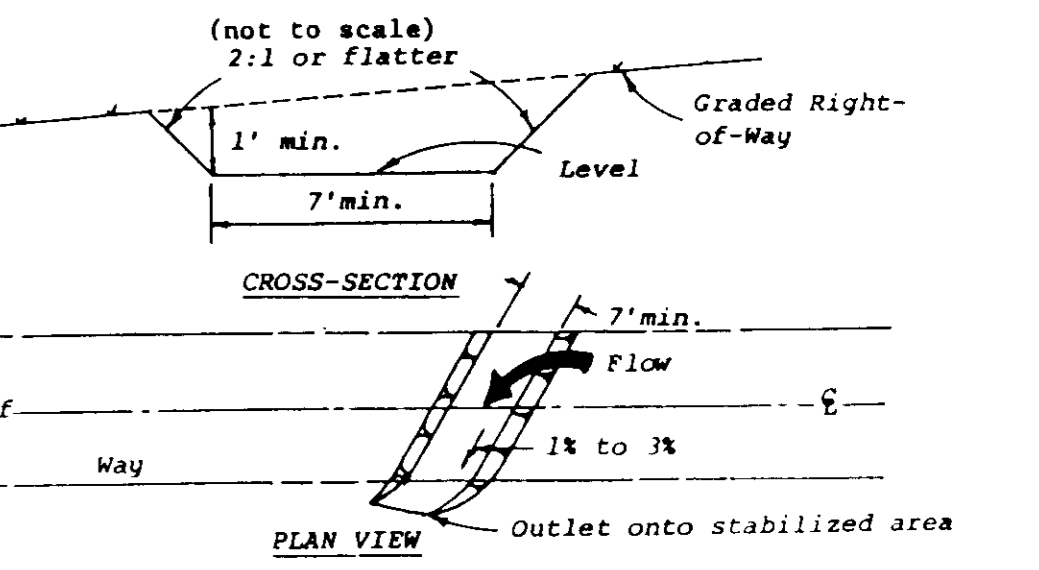
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS.

SIGNATURE OF HEALTH OFFICER: *[Signature]* DATE: 5-31-83



- CONSTRUCTION SEQUENCE**
1. OBTAIN GRADING AND BUILDING PERMIT.
 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE.
 3. CONSTRUCT PERIMETER DIKE. EXCAVATE SEDIMENT TRAP TO REQUIRED DIMENSIONS AS SHOWN ON PLAN. CONSTRUCT STONE OUTLET STRUCTURE. STABILIZE TRAP AND DIKE USING TEMPORARY SEEDING MIXTURE.
 4. GRADE SITE TO SUBGRADE. BEGIN EXCAVATION OF SWIMMING POOLS.
 5. INSTALL ON-SITE UTILITIES. CONSTRUCT ON-SITE BUILDINGS AND SWIMMING POOLS.
 6. CONSTRUCT CONCRETE CURBS AND INSTALL BASE COURSE FOR PAVING.
 7. DURING CONSTRUCTION, SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAP WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
 8. AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE OF THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON.
 9. THE SEDIMENT TRAP SHALL BE DEWATERED BY PUMPING IF NECESSARY.
 10. THE SEDIMENT FROM THE TRAP SHALL BE PLACED UP-GRADE FROM THE SEDIMENT TRAP IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT TRAP.
 11. REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
 12. BACKFILL PERIMETER DIKE. STABILIZE SUPPORTING SLOPES WITH PERMANENT SEEDING.
 13. REMOVE STONE CONSTRUCTION ENTRANCE.
 14. CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE, LAY SURFACE COURSE. LAY SIDEWALKS. INSTALL FENCES.
 15. ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED BY PERMANENT SEEDING.



FISHER, COLLINS AND CARTER
CONSULTING ENGINEERS AND LAND SURVEYORS
8388 COURT AVENUE
ELLCOTT CITY, MARYLAND 21043
301-461-2855

DORSEY HALL NEIGHBORHOOD POOL
OPEN SPACE LOT 146
DORSEY HALL
SECTION ONE AREA THREE
2ND ELECTION DISTRICT - HOWARD CO., MARYLAND
APRIL 18, 1983 SHEET 2 OF 2 SCALE: AS SHOWN