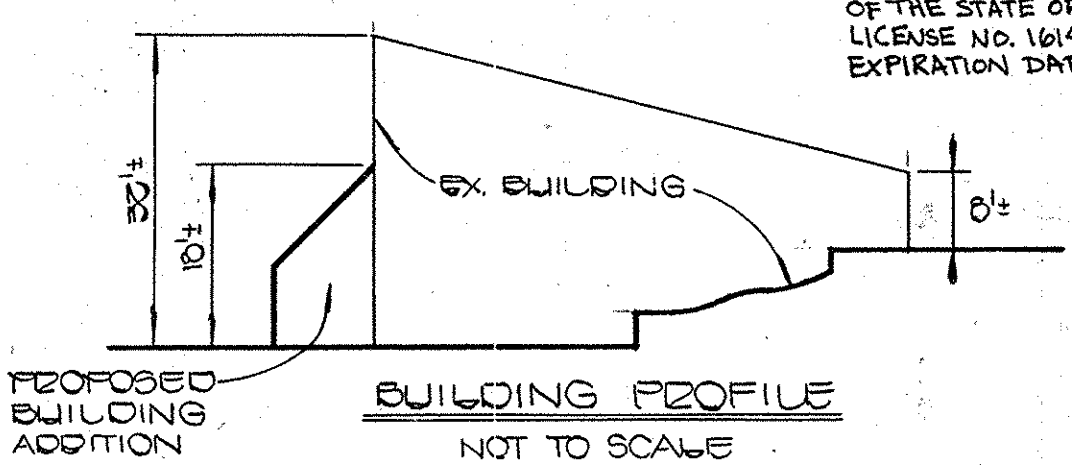


- GENERAL NOTES:
- TOTAL AREA OF SITE: 4.209 AC.
  - PRESENT ZONING: NENTOM (OPEN SPACE)
  - PROPERTY IS RECORDED AS PLAT NO. 4471
  - FINAL DEVELOPMENT PLAN CRITERIA PHASE 100-A-III
  - PROPERTY IS SHOWN ON TAX MAP 35, P/0 PARCEL 283.
  - PARKING DATA:
    - EXISTING USE OF STRUCTURE: NEIGHBORHOOD CENTER
    - SCOPE OF WORK: BUILDING ADDITION, SWIMMING POOL AND PARKING LOT EXPANSION.
  - TOTAL AREA OF BUILDING: 3540 S.F. OR 0.08 AC. ± (2% COVERAGE)
    - EXISTING BUILDING: 3280 S.F.
    - PROPOSED ADDITION: 280 S.F.
  - TOTAL NUMBER OF PARKING SPACES REQUIRED (PER FDP CRITERIA): NONE
  - TOTAL NUMBER OF PARKING SPACES PROVIDED: 77
    - EXISTING SPACES: 40
      - REGULAR SPACES (9' x 18'): 38
      - HANDICAPPED SPACES (13' x 18'): 2
    - PROPOSED SPACES: 37
      - REGULAR SPACES (9' x 18'): 35
      - HANDICAPPED SPACES (13' x 18'): 2
  - THE CONTRACTOR SHALL NOTIFY THE HOWARD COUNTY CONSTRUCTION INSPECTION/PERMITS DIVISION 24 HOURS PRIOR TO COMMENCEMENT OF WORK AT 982-2437.
  - 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 559-0100 A MINIMUM OF THREE DAYS PRIOR TO BEGINNING ANY CONSTRUCTION SHOWN HEREON.
  - SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.

THIS SEAL IS FOR REVISION 3 BY SITE RESOURCES INC. 8-4-2014

PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16144, EXPIRATION DATE: 08/19/14



- LIGHTING LEGEND:
- TYPE A - 10' FIXTURE
  - TYPE B - 15' FIXTURE
  - TYPE C - 3' BOLLARD

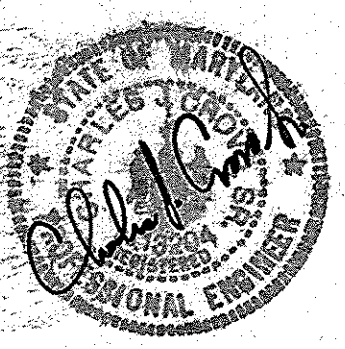
NOTE: CONTRACTOR TO MATCH EXISTING LIGHTING SYSTEMS PRESENTLY ON-SITE.

16144 SWIMMING POOL RENOVATIONS		
NO.	DATE	REVISION
1	5-19-89	REVISE STORMWATER MANAGEMENT
2	7-22-89	

OWNER AND DEVELOPER:  
COLUMBIA ASSOCIATION  
HOWARD COUNTY,  
MARYLAND

ADDRESS CHART	
LOT NO.	STREET ADDRESS
11A	9175 SUNNY SPRING

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 6-25-86



FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERS & LAND SURVEYORS  
8388 COURT AVENUE  
ELLICOTT CITY, MARYLAND 21043  
(301) 461-2855

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: Brian Paul Barry  
DATE: 4/4/86

DEVELOPER'S CERTIFICATE  
I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY 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 PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: Brian Paul Barry  
DATE: 4-4-86

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION SOIL EROSION, AND SEDIMENTATION.

Signature: Stephen L. Huh  
DATE: 7/1/86

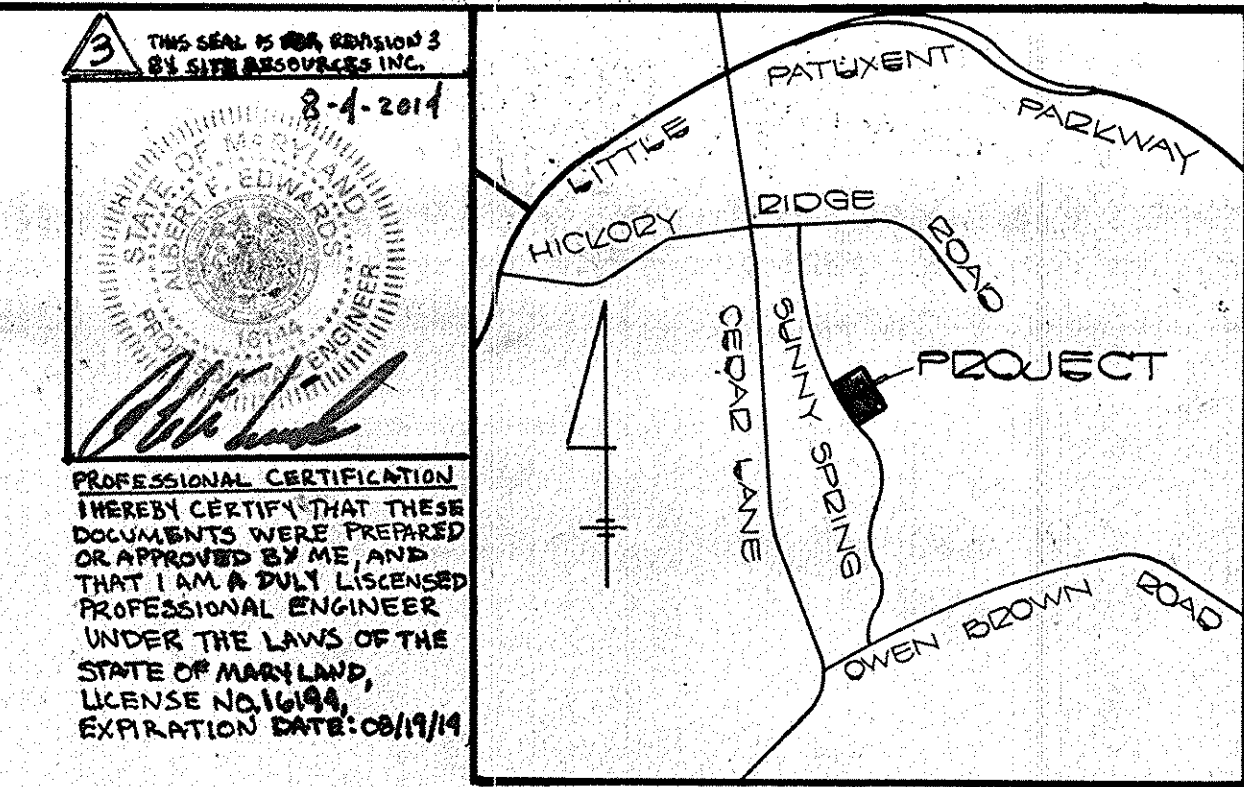
APPROVED: OFFICE OF PLANNING AND ZONING  
Signature: [Signature]  
DATE: 7-24-86

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS  
Signature: [Signature]  
DATE: 7-22-86

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.  
Signature: [Signature]  
DATE: 7-22-86

Signature: [Signature]  
DATE: 7-22-86

BUILDING AND SWIMMING POOL ADDITIONS TO 6DP-80-21C  
SITE DEVELOPMENT PLAN  
BUILDING ADDITION / SWIMMING POOL  
REVISION TO APPROVED 5-19-89  
HAWTHORN NEIGHBORHOOD POOL  
LOT 11-A  
VILLAGE OF HICKORY RIDGE  
SECTION 1 AREA 1  
5TH ELECTION DIST. HOWARD CO MARYLAND  
SCALE: AS SHOWN DATE: MARCH 23, 1986  
SHEET 1 OF 7  
REVISED JUNE 27, 1986  
S.D.P. 80-21C



VICINITY MAP SCALE 1"=2000'

- CONSTRUCTION SEQUENCE:**
- OBTAIN GRADING PERMIT.
  - CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS SHOWN ON PLAN.
  - EXCAVATE TEMPORARY STORM WATER MANAGEMENT BASIN TO REQUIRED DIMENSIONS AS SHOWN ON PLAN. EXCAVATE BASIN TO WITHIN 2.5 FEET (84'-416.00') OF ULTIMATE BOTTOM OF BASIN TO AVOID CONTAMINATION. USE EXCAVATED MATERIAL TO CONSTRUCT EARTH DIKES, CONCRETE DIKES AND STABILIZE WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.
  - CONTINUE DAM CONSTRUCTION. STABILIZE SIDE SLOPES AND STABILIZE WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.
  - CLEAR AND GRUB CONSTRUCTION. STABILIZE SIDE SLOPES AND STABILIZE WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.
  - CONSTRUCT STORM DRAIN SYSTEM AND ON-SITE UTILITIES. INSTALL INLET PROTECTION DEVICES.
  - BEGIN BUILDING, SWIMMING POOL CONSTRUCTION. CONSTRUCT CURB AND GUTTER AND INSTALL BASE COURSE.
  - SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT BASIN WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED.
  - THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE OF THE SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS.
  - THE SEDIMENT BASIN SHALL BE DEMATERED BY PUMPING. THE SEDIMENT FROM THE BASIN SHALL BE PLACED UP-GRADE FROM THE SEDIMENT BASIN IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATION OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT BASIN.
  - REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
  - BEGIN CONVERSION OF TEMPORARY SEDIMENT BASIN TO PERMANENT STORM WATER MANAGEMENT INFILTRATION POND. STABILIZE ALL AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH THAT WILL DRAIN DIRECTLY INTO POND. EXCAVATE POND TO REL. 413.50. FINE GRADE POND AREA TO REQUIRED DIMENSIONS AND ELEVATIONS. STABILIZE WITH PERMANENT SEEDING MIXTURE. CONSTRUCT EMERGENCY SPILLWAY AND STABILIZE WITH PERMANENT SEEDING MIXTURE. FLOUSH STORM DRAIN SYSTEM TO REMOVE ANY TRAPPED SEDIMENT. INSTALL RIP RAP APRON.
  - REMOVE STONE CONSTRUCTION ENTRANCE AND STRAW RALE DIKES/SILT FENCE. CLEAN BASE COURSE, APPLY TACK COAT TO BASE COURSE AND LAY SURFACE COURSE.
  - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED WITH PERMANENT SEEDING MIXTURE.

- SEDIMENT CONTROL NOTES:**
- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. (892-2427)
  - 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.
  - 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.
  - 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.
  - 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) AND (SEC. 54). TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONG CAN ONLY BE DONE WHEN RECOMMENDED 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 PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - SITE ANALYSIS:**  
 TOTAL AREA OF SITE: 4.209 ACRES  
 AREA TO BE ROOFED OR PAVED: 2.818 ACRES  
 AREA TO BE VEGETATIVELY STABILIZED: 1.460 ACRES  
 TOTAL CUT: 4400 CU.YDS.  
 TOTAL FILL: 4400 CU.YDS.  
 OFFSITE WASTE/BORROW AREA LOCATION: [Blank]  
 ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

**DESIGN DATA**

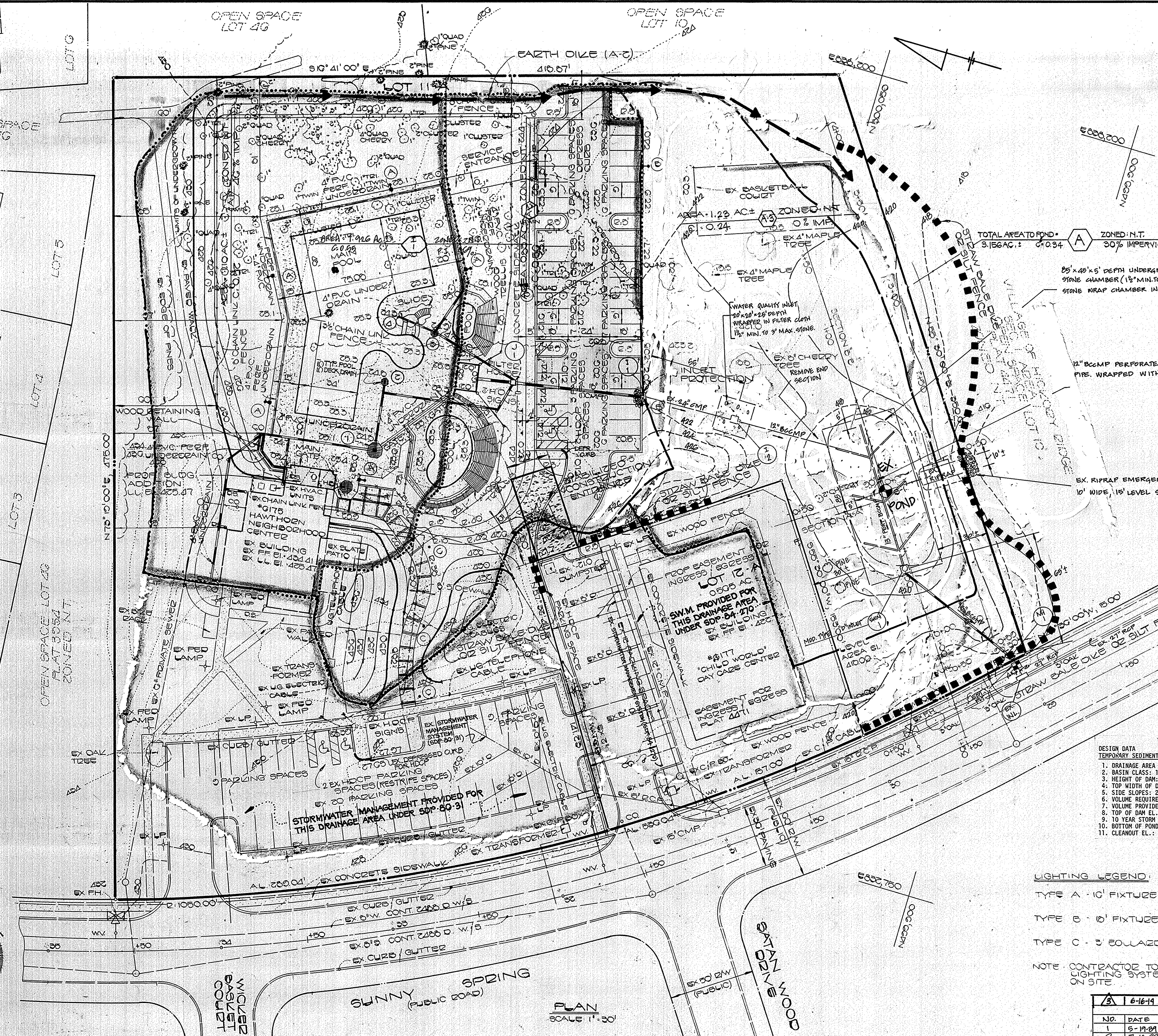
TEMPORARY SEDIMENT BASIN:

- DRAINAGE AREA TO BASIN: 3.156 AC.
- Basin Class: 1
- Height of Dam: 4.80'
- Top Width of Dam: 6'
- Side Slopes: 2:1
- Volume Required: 212 C.Y.
- Volume Provided: 246 C.Y.
- Top of Dam EL.: 420.00'
- 10 Year Storm Storage EL.: 417.83'
- Bottom of Pond EL.: 415.50'
- Cleanout EL.: 416.42'

- LIGHTING LEGEND:**
- TYPE A - 10' FIXTURE
  - TYPE B - 10' FIXTURE
  - TYPE C - 3' BOLLARD
- NOTE: CONTRACTOR TO MATCH EXISTING LIGHTING SYSTEMS PRESENTLY ON SITE

NO.	DATE	REVISIONS
1	6-16-14	WADING POOL RENOVATIONS
2	9-19-14	REVISE STORMWATER MANAGEMENT
3	7-10-14	

OWNER AND DEVELOPER:  
COLUMBIA ASSOCIATION  
HOWARD COUNTY,  
MARYLAND



**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 6-25-86  
[Signature]



**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERS & LAND SURVEYORS  
8388 COURT AVENUE  
ELLICOTT CITY, MARYLAND 21043  
(301) 461-2855

**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: 4/1/86

**DEVELOPER'S CERTIFICATE**  
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY 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 PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 90 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.  
[Signature]  
DATE: 4-4-86

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL RAIN CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.  
[Signature]  
DATE: 7-11-86  
[Signature]  
DATE: 7/1/86

APPROVED: OFFICE OF PLANNING AND ZONING  
[Signature]  
DATE: 7-24-86  
[Signature]  
DATE: 7-24-86  
[Signature]  
DATE: 7-24-86

APPROVED: DEPARTMENT OF PUBLIC WORKS  
FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.  
[Signature]  
DATE: 7-17-86  
[Signature]  
DATE: 7-15-86

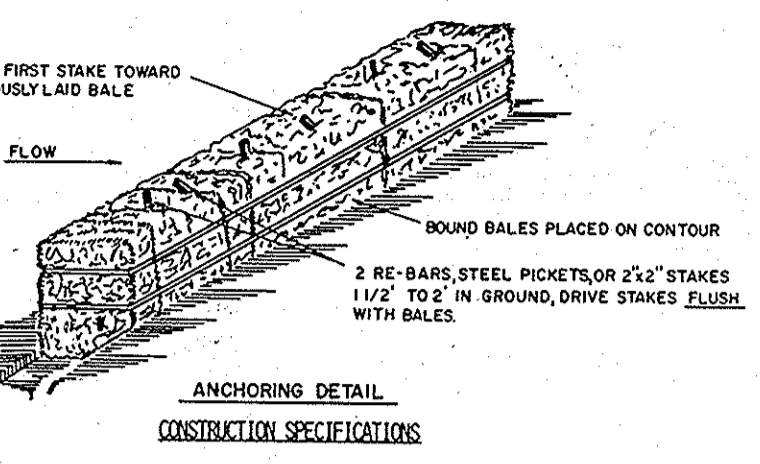
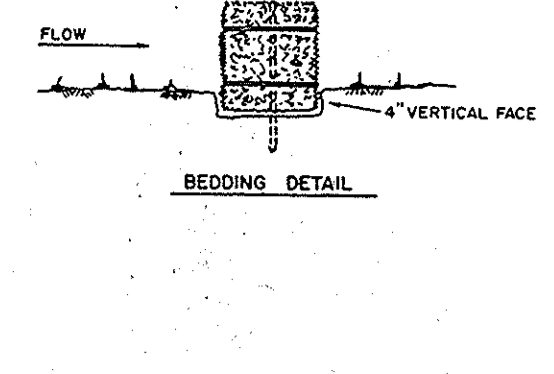
BUILDING AND SWIMMING POOL ADDITIONS TO SGP-80-31c  
DRAINAGE AREA MAP  
SEDIMENT CONTROL PLAN  
BUILDING ADDITION / SWIMMING POOL  
REVISION TO DEVELOPER'S PLAN  
HAWTHORN NEIGHBORHOOD POOL  
LOT 11-A  
SECTION 1 AREA 1  
5TH ELECTION DIST. HOWARD CO MARYLAND  
SCALE: AS SHOWN DATE: MARCH 20, 2006  
SHEET 2 OF 7  
REVISED: JUNE 27, 1986  
SOP-80-31c

**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 SCHEDULES:  
 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 UREA/FORM 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.

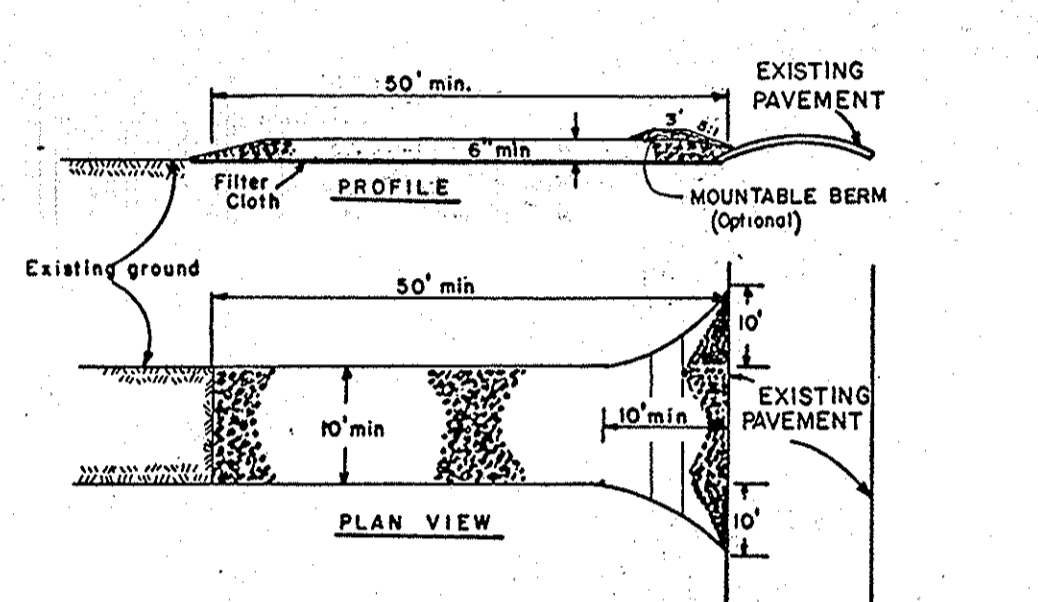
**SEEDING:** FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ. FT.) OF MEETING LOVEGRASS. 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.) OF UNROTTED SMALL GRASS 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.

**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 25 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 MEETING 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 GRASS 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.**

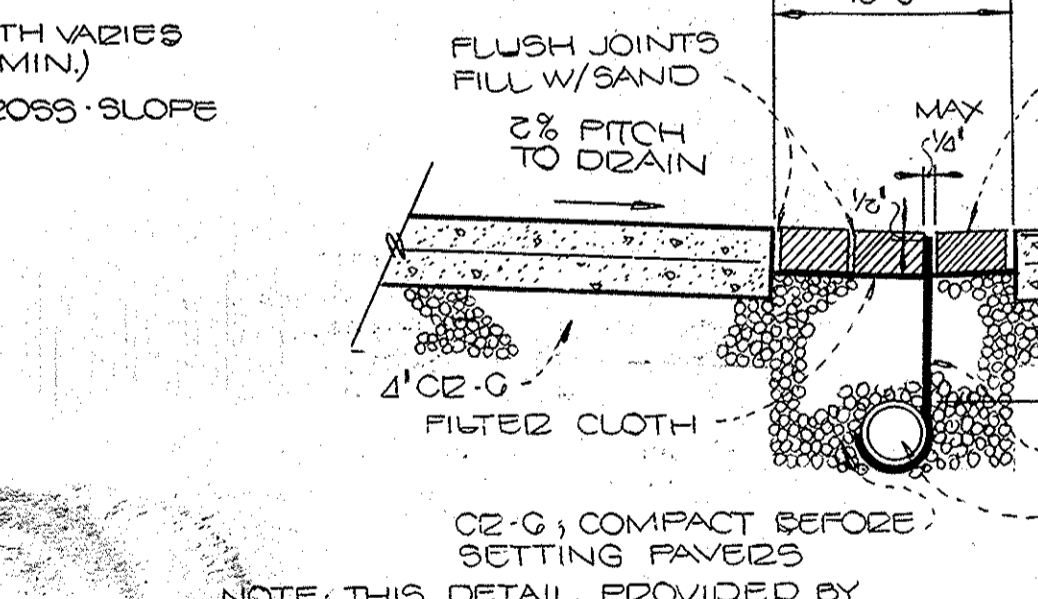


**STRAW BALE DIKE**  
NOT TO SCALE

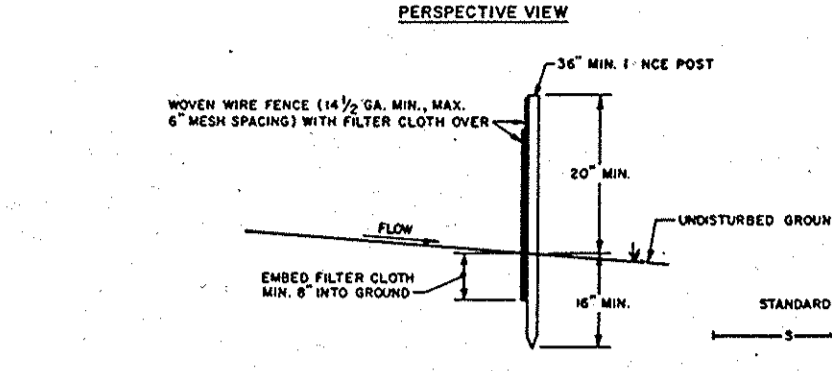
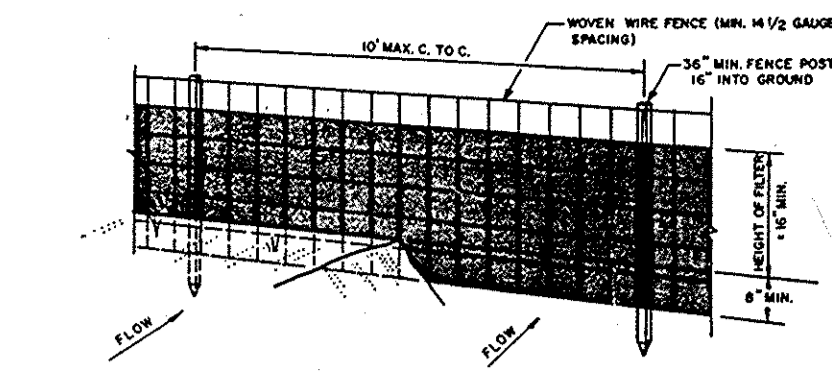


- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
  2. Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
  3. Thickness - Not less than six (6) inches.
  4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
  5. Filter Cloth - Must 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 mounded 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 cleanup of any areas 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 established 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**  
NOT TO SCALE



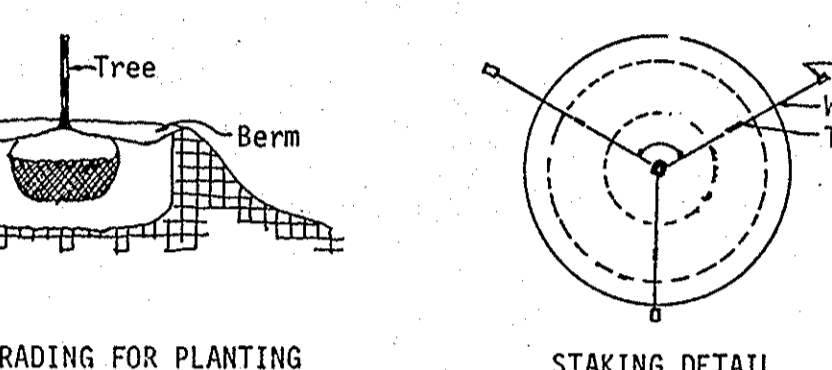
NOTE: THIS DETAIL PROVIDED BY SLATER ASSOCIATES LANDSCAPE ARCHITECTURE



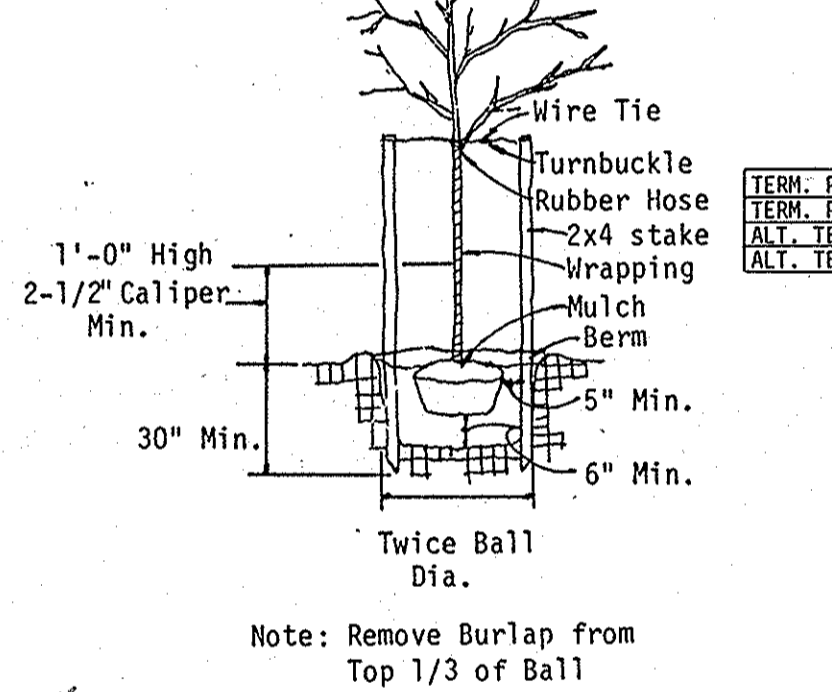
**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

1. WOOD WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOOD WIRE FENCE WITH TIES SPACED EVERY 2' 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 BUSHES DEVELOP IN THE SILT FENCE.

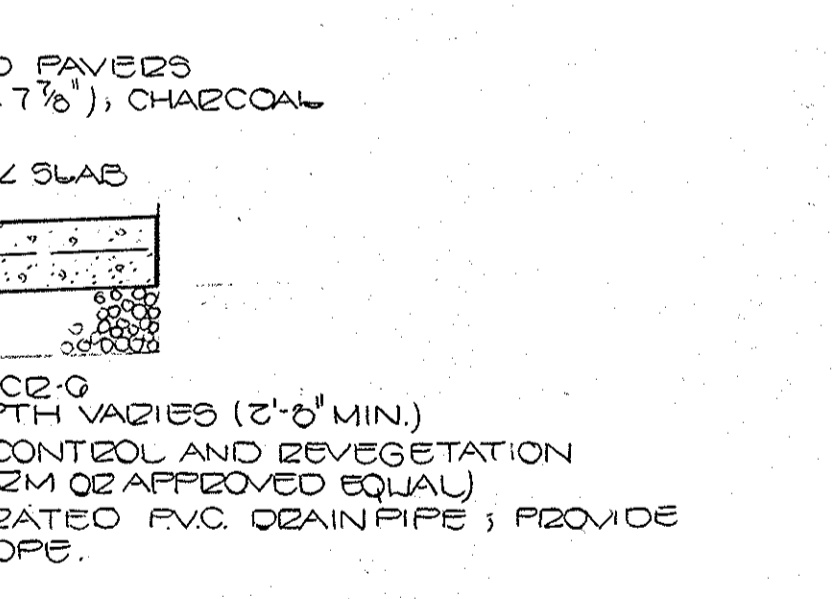
**SILT FENCE**  
NOT TO SCALE



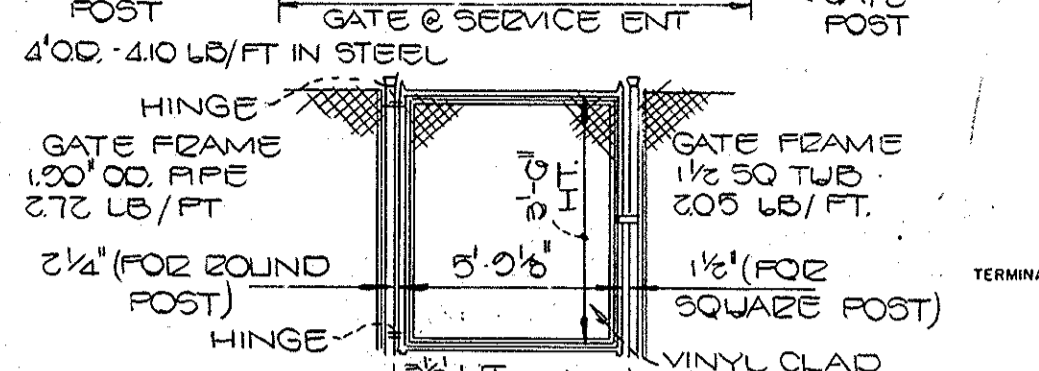
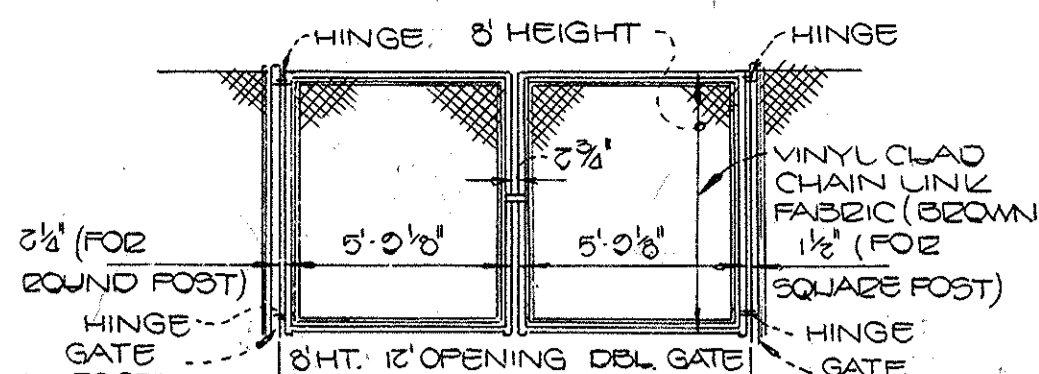
**GRADING FOR PLANTING ON SLOPES**



**TREE PLANTING DETAIL**  
NOT TO SCALE



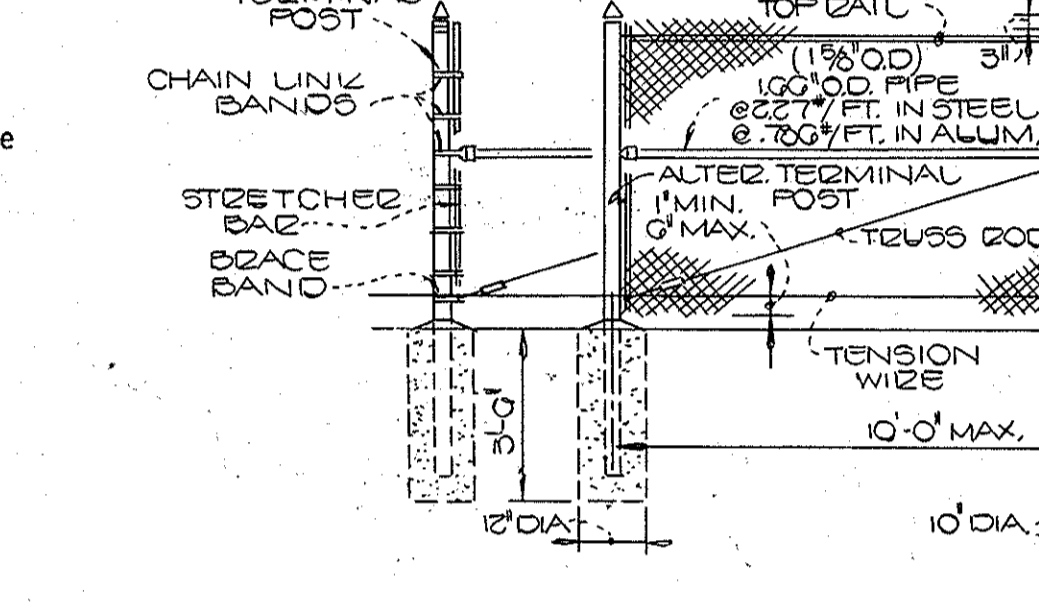
Note: Remove Burlap from Top 1/3 of Ball



**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

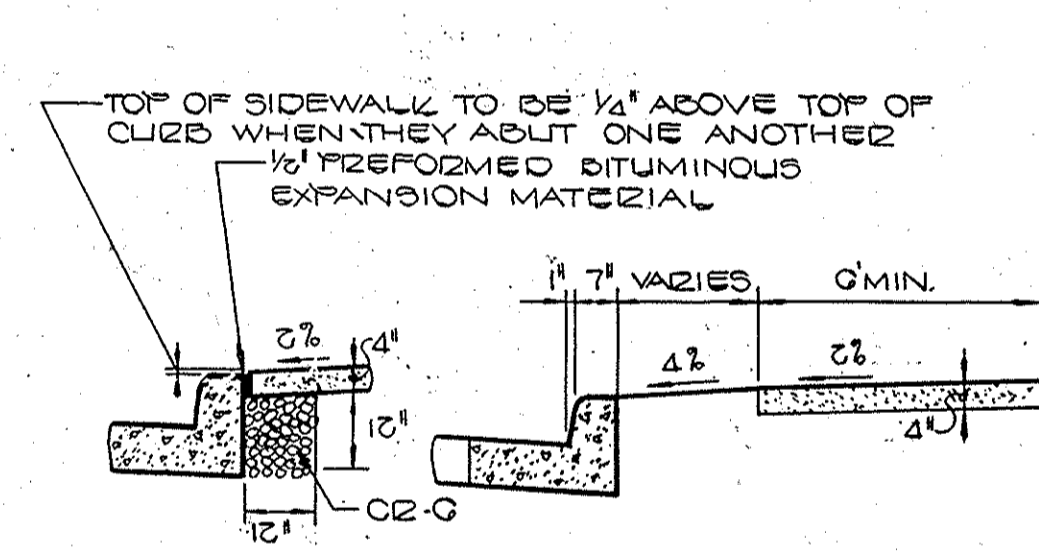
- POSTS: STEEL EITHER 1" U TYPE OR 2" HOLLOWED  
 FENCE: WOOD WIRE 1/2" GA. 6" MAX. WIRE OPENING  
 FILTER CLOTH: FILTER Y: MURAL: 100% STABIL: LINK: 100% OR APPROVED EQUAL  
 FABRICATED UNIT: GEOTEX: GEOTEX: OR APPROVED EQUAL

**TYPICAL CHAIN LINK FENCE**  
NOT TO SCALE

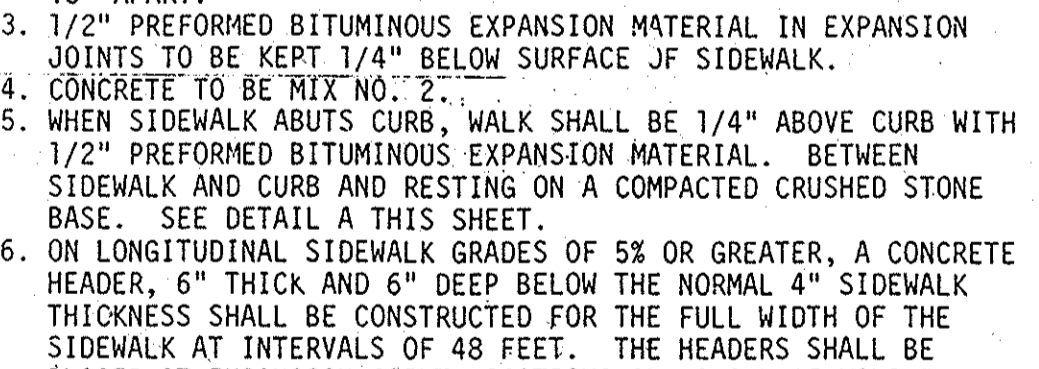


TERM. POST STEEL	2.375" O.D. 8.35#/FT. 12.875" O.D. 8.52#/FT.	HOG RING - STEEL	18" x 6" C/C 12.5 GA. STEEL WIRE
TERM. POST ALUMINUM	2.375" O.D. 8.22#/FT. 12.875" O.D. 8.20#/FT.	HOG RING - ALUMINUM	18" x 6" C/C .110 O. ALLUM. WIRE ALLOY 5058 - H38
ALT. TERM. POST STEEL	2.00" SQ. 8.85#/FT. 12.50" SQ. 8.50#/FT.		
ALT. TERM. POST ALUMINUM	2.00" SQ. 8.26#/FT. 13.00" SQ. 8.20#/FT.		

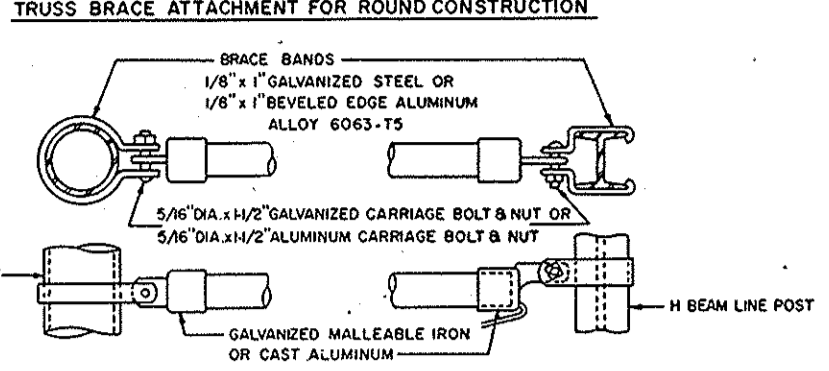
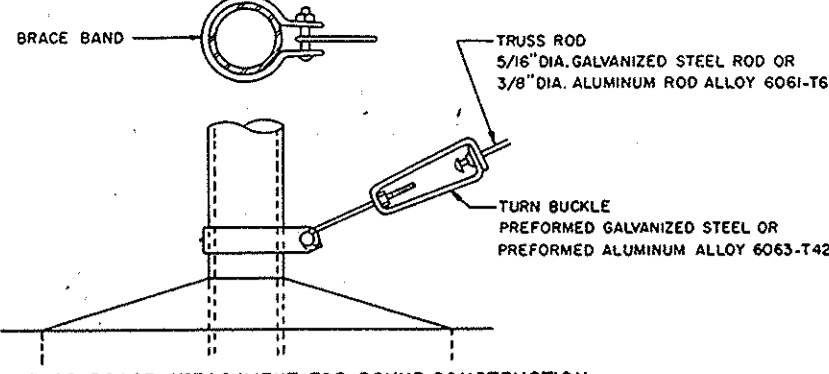
**CONCRETE SIDEWALK**  
NOT TO SCALE



**TYPICAL PAVING SECTION (P-1)**  
NOT TO SCALE



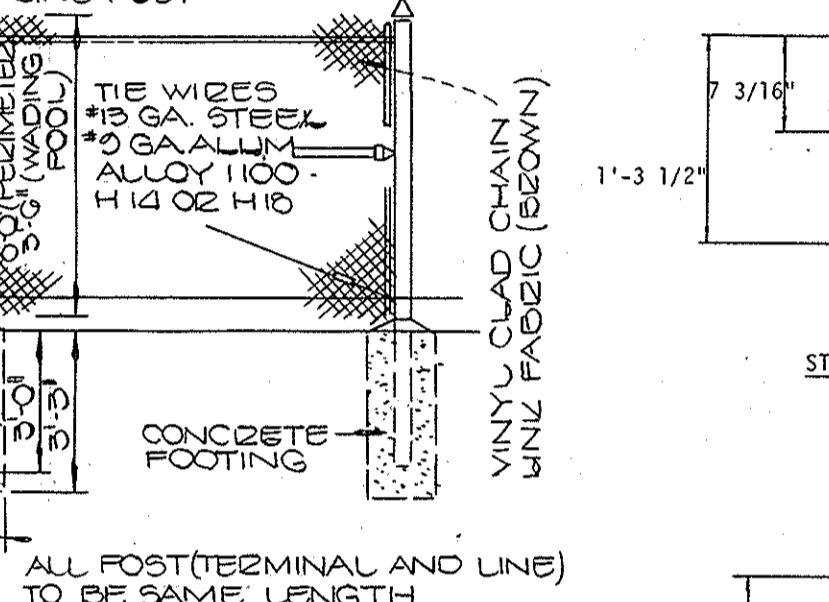
NOTE: THIS DETAIL PROVIDED BY SLATER ASSOCIATES LANDSCAPE ARCHITECTURE



**CONSTRUCTION SPECIFICATIONS**

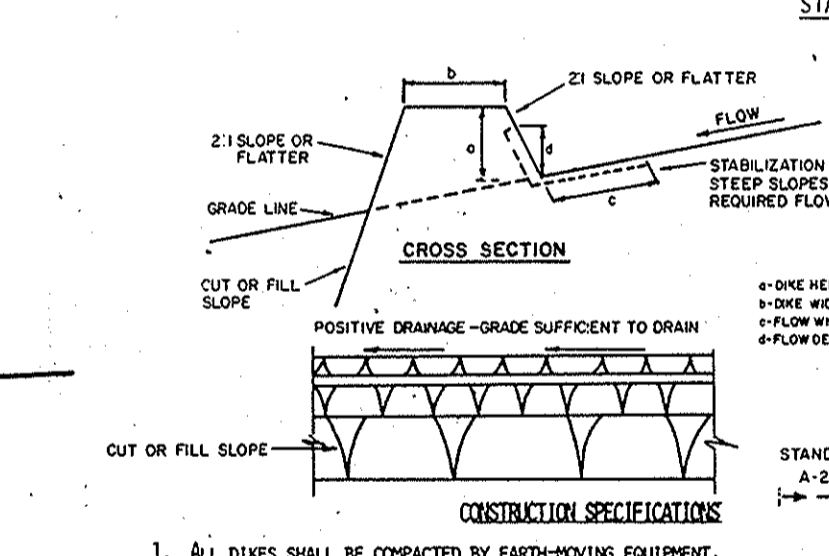
1. ALL BIRDS SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL BIRDS SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP OF WALKWAY TO BE HIGHER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FUTURE LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DICES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASKIN WHICH EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT SEPARATELY STABILIZED.
6. STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON, (B) FLOW CHANNEL AS PER THE CHART BELOW.

**FLUSH CHANNEL STABILIZATION**

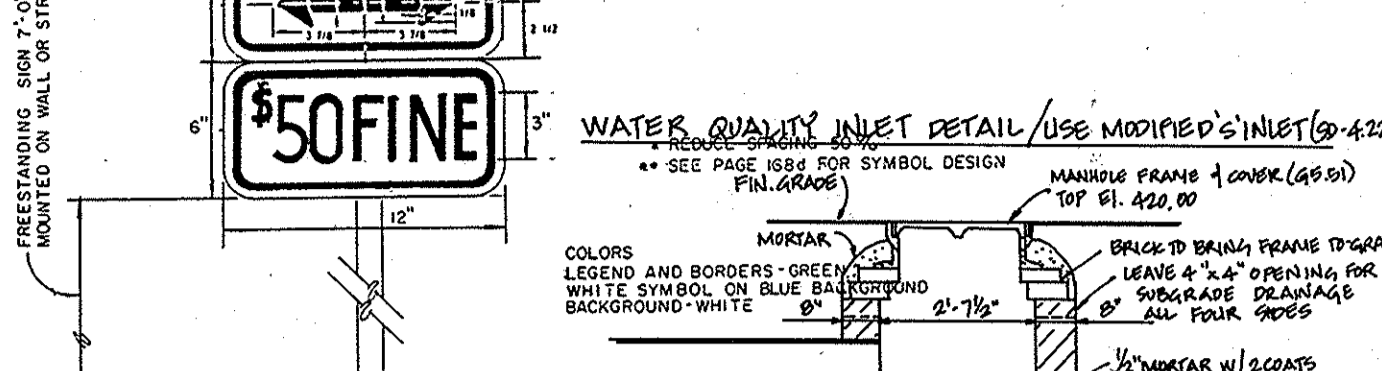
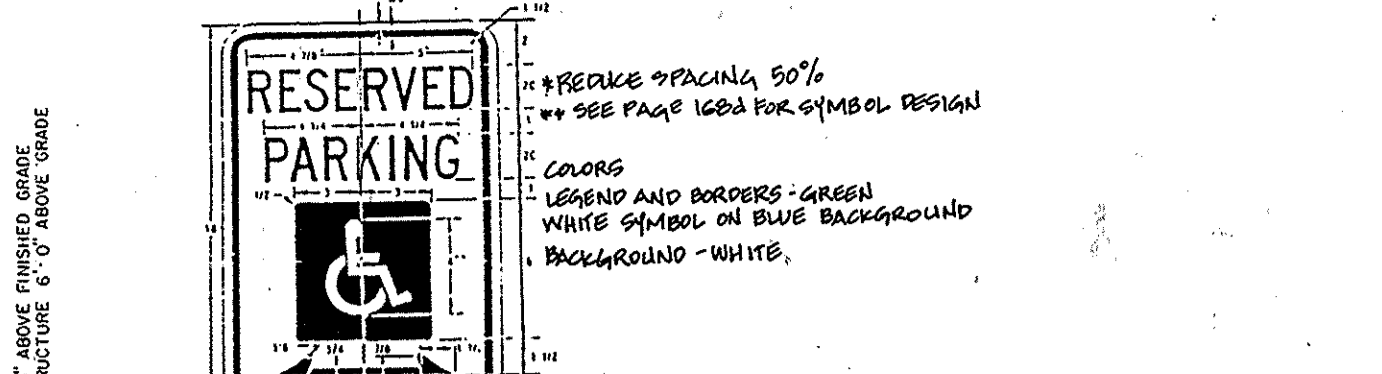


TYPE OF TREATMENT	CHANNEL SLOPE	DISE A	DISE B
1	5-3.0%	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0%	SEED AND STRAW MULCH	SEED USING JUTE, OR GEOTEXTILE SOIL 2" STONE
3	5.1-8.0%	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20%	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

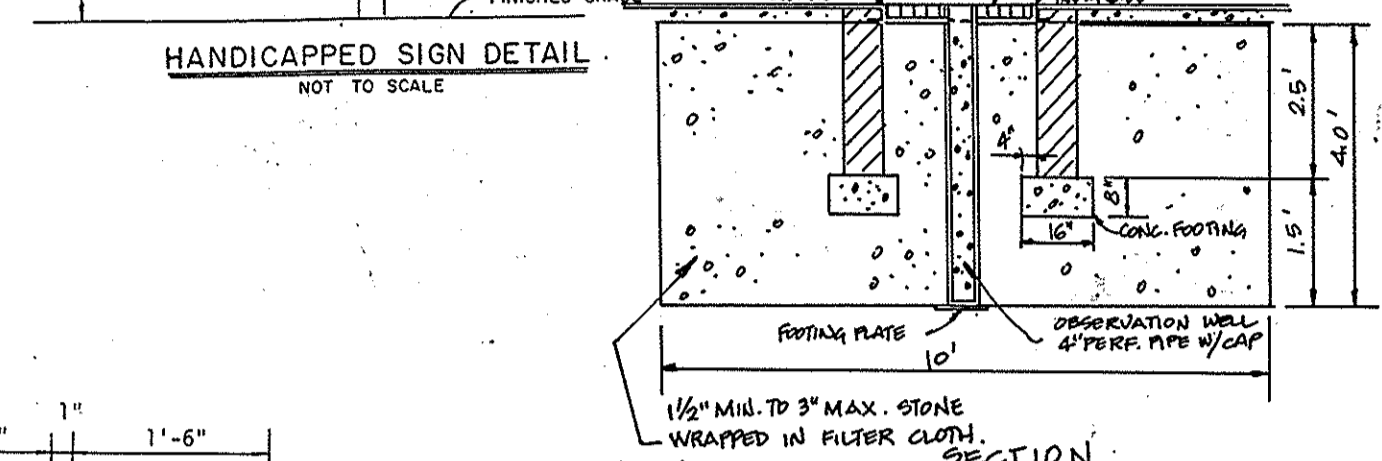
**EARTH DIKE**  
NOT TO SCALE



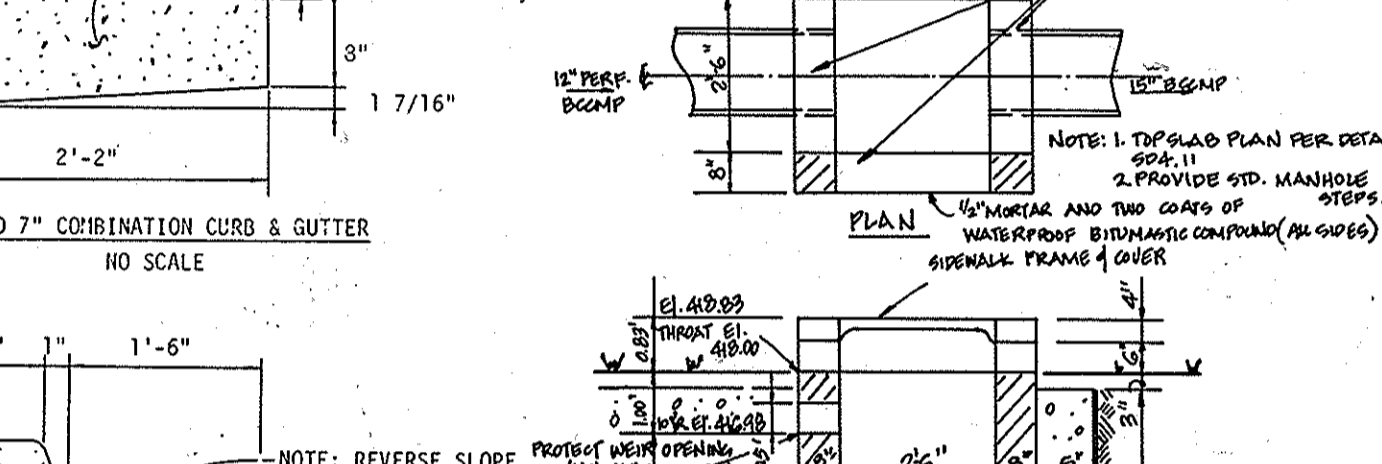
NOTE: THIS DETAIL PROVIDED BY SLATER ASSOCIATES LANDSCAPE ARCHITECTURE



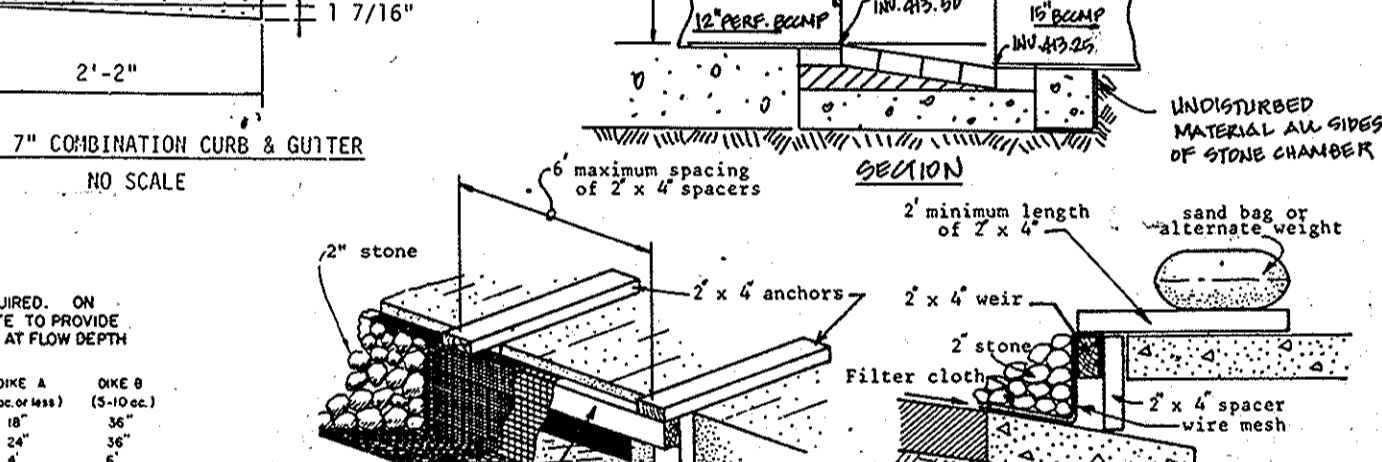
**HANDICAPPED SIGN DETAIL**  
NOT TO SCALE



**STANDARD 7" COMBINATION CURB & GUTTER**  
NO SCALE



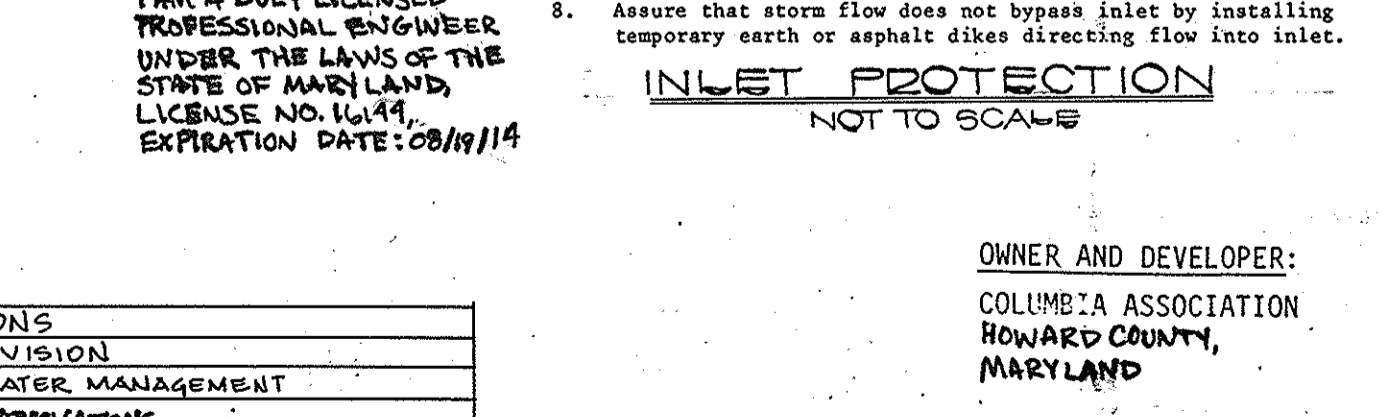
**STANDARD 7" COMBINATION CURB & GUTTER**  
NO SCALE



**CURB INLET PROTECTION**  
NOT TO SCALE

1. Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (ensuring 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 and securely attach to the 2" x 4" weir.
3. Securely nail the 2" x 4" weir to 3" 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" lengths 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.

**INLET PROTECTION**  
NOT TO SCALE



OWNER AND DEVELOPER: COLUMBIA ASSOCIATION HOWARD COUNTY, MARYLAND

**APPROVED PLANNING BOARD OF HOWARD COUNTY**  
 DATE: 6-25-86  
 [Signature]



**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.

**DEVELOPER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY 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 PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEING THE PROJECT. I WILL PREPARE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN AT THE END WITHIN 90 DAYS OF COMPLETION. I WILL AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

**APPROVED: OFFICE OF PLANNING AND ZONING**  
 [Signature] 7-24-86  
 PLANNING DIRECTOR  
 [Signature] 7-24-86  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

**APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS**  
 [Signature] 7-22-86  
 HEALTH OFFICER

NO.	DATE	REVISION
1	5-19-84	REVISE ORDER/WATER MANAGEMENT
2	6-16-84	WINDING POOL REVISIONS

**APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS**  
 [Signature] 7-17-86  
 DIRECTOR PUBLIC WORKS  
 [Signature] 7-15-86  
 CHIEF, BUREAU OF ENGINEERING

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERS & LAND SURVEYORS  
 8388 COURT AVENUE  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-2855

**APPROVED: VILLAGE OF HICKORY RIDGE**  
 [Signature] 7-15-86  
 CHIEF, BUREAU OF ENGINEERING

**APPROVED: VILLAGE OF HICKORY RIDGE**  
 [Signature] 7-15-86  
 CHIEF, BUREAU OF ENGINEERING

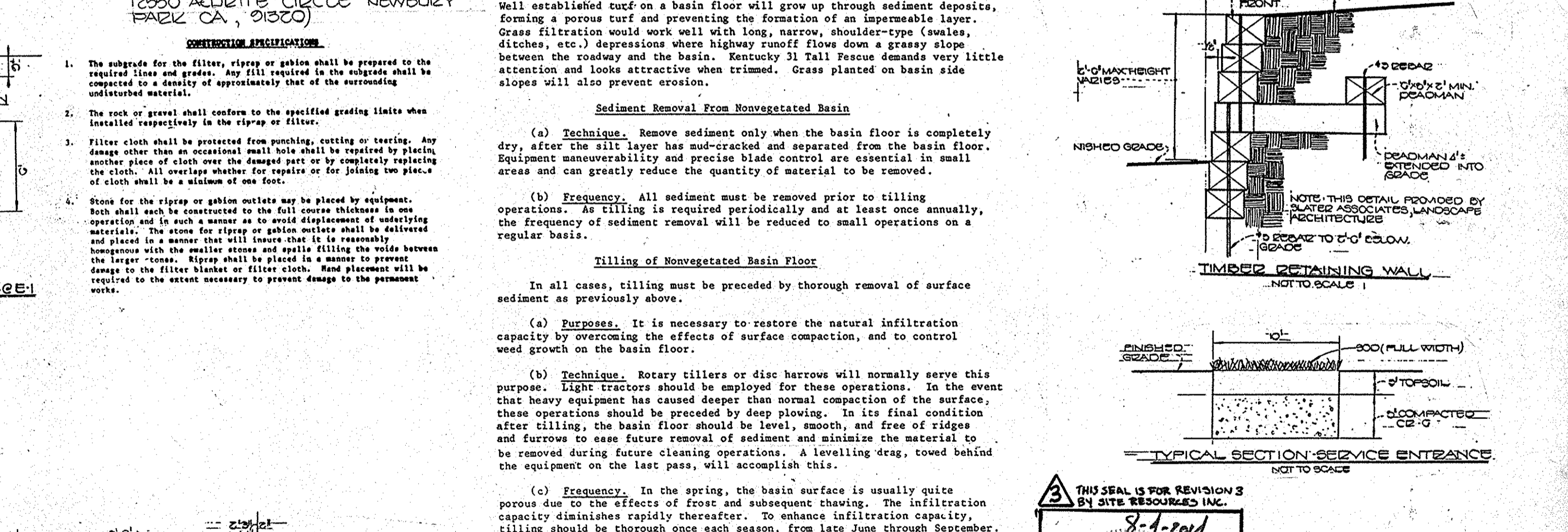
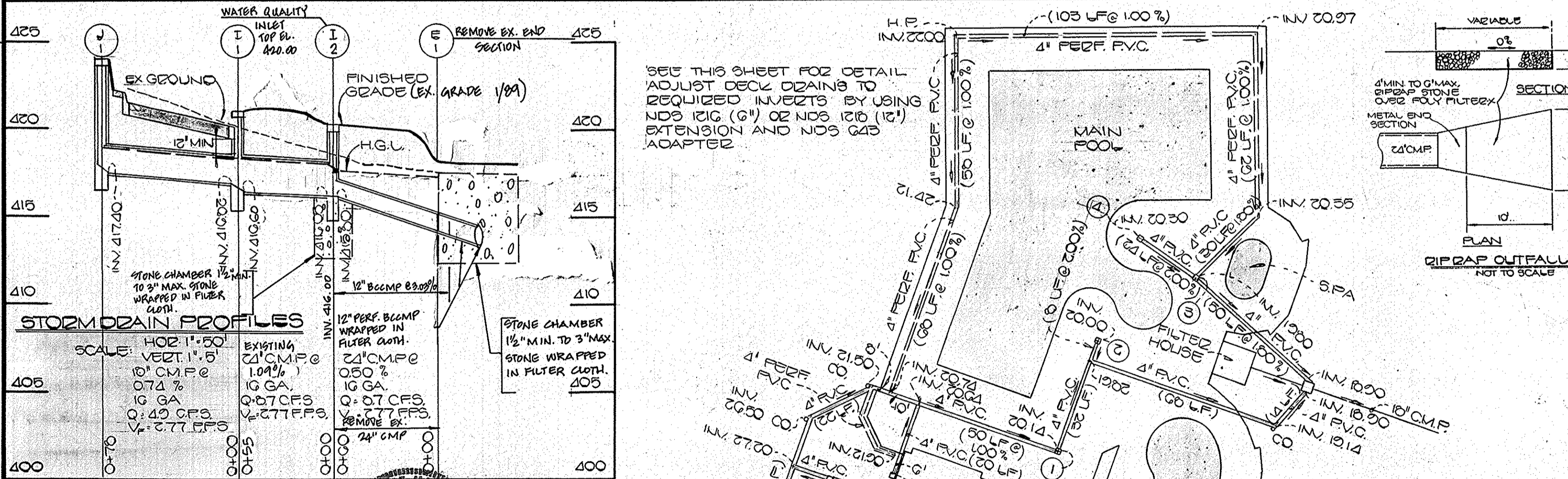
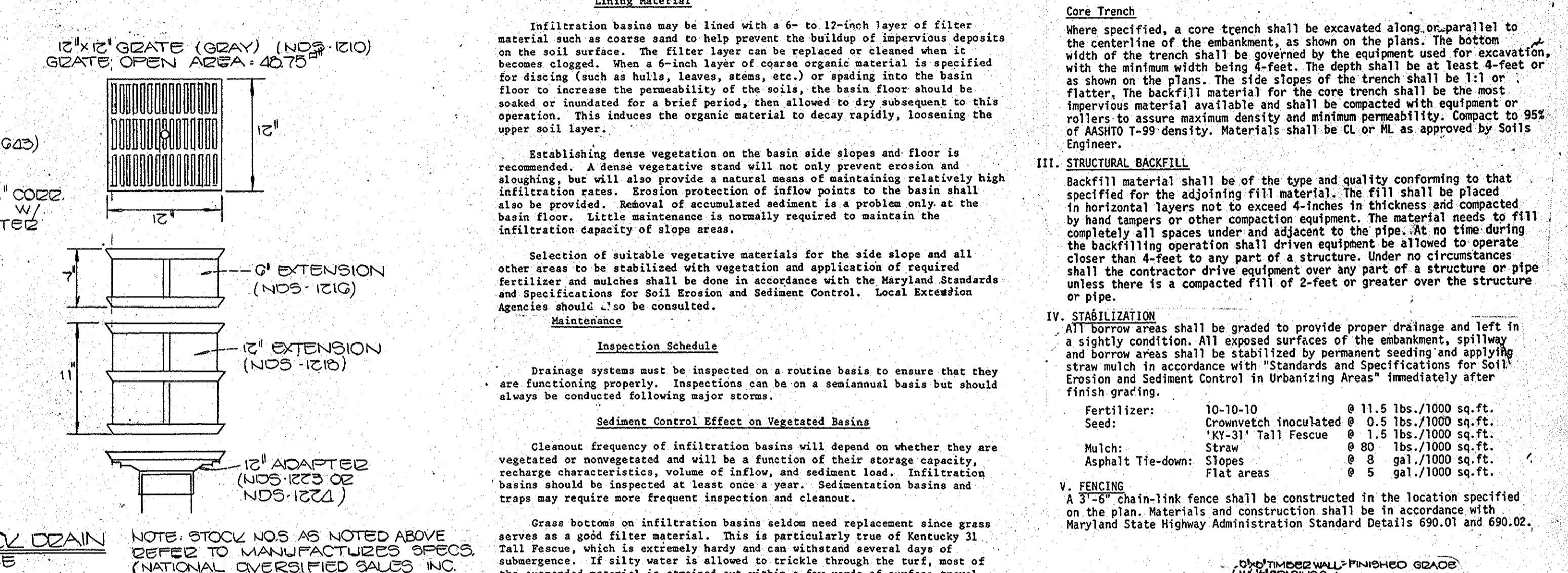
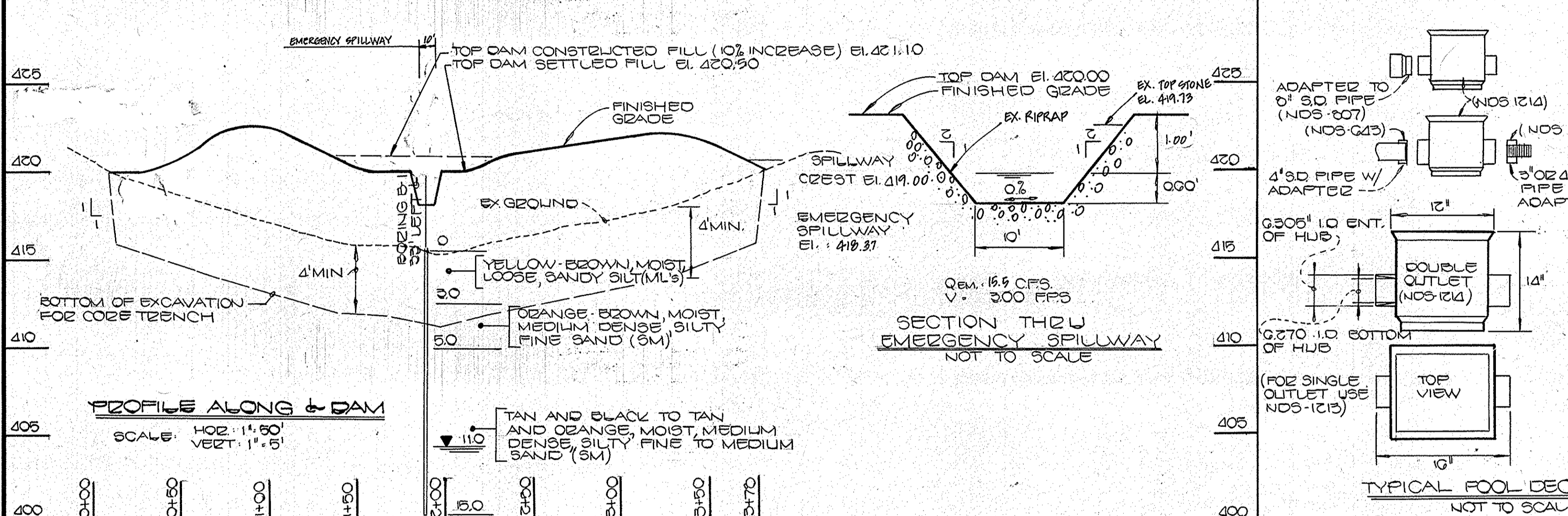
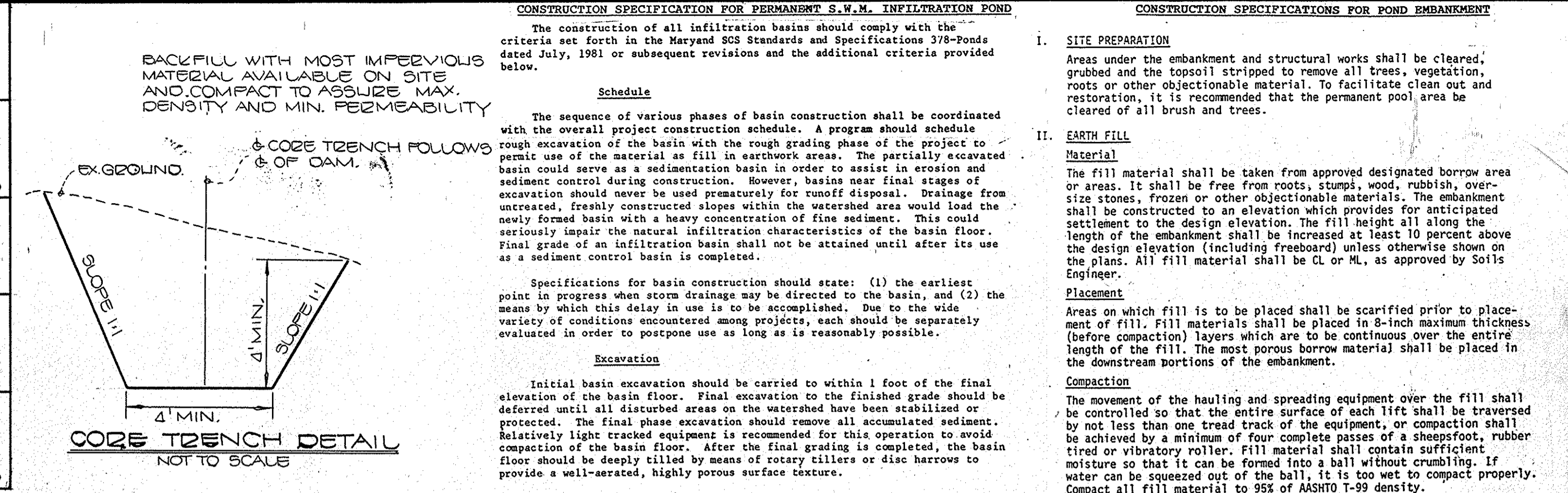
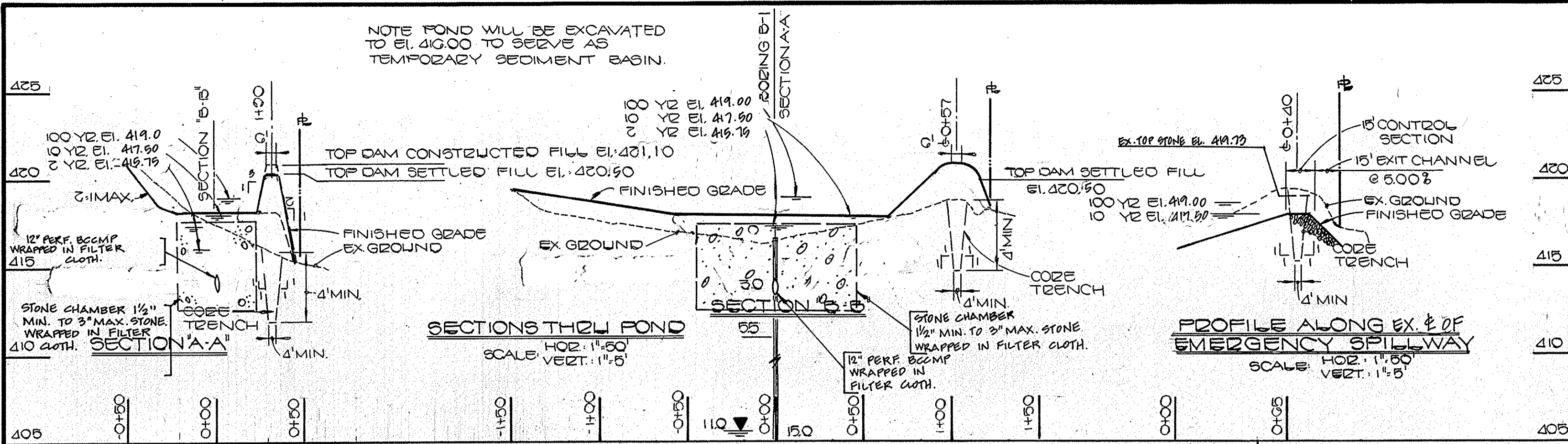
**APPROVED: VILLAGE OF HICKORY RIDGE**  
 [Signature] 7-15-86  
 CHIEF, BUREAU OF ENGINEERING

**APPROVED: VILLAGE OF HICKORY RIDGE**  
 [Signature] 7-15-86  
 CHIEF, BUREAU OF ENGINEERING

**APPROVED: VILLAGE OF HICKORY RIDGE**  
 [Signature] 7-15-86  
 CHIEF, BUREAU OF ENGINEERING

NO.	DATE	REVISION
1	5-19-84	REVISE ORDER/WATER MANAGEMENT
2	6-16-84	WINDING POOL REVISIONS

**BUILDING AND SWIMMING POOL ADDITIONS TO GOP-80-31C**  
 NOTES/DETAILS  
 BUILDING ADDITION / SWIMMING POOL  
 REVISION TO APPROVED 6-25-86  
 HAWTHORN NEIGHBORHOOD POOL  
 LOT 11-A  
 VILLAGE OF HICKORY RIDGE  
 SECTION 1 AREA 1  
 5TH ELECTION DISTRICT HOWARD CO. MARYLAND  
 SCALE: AS SHOWN DATE: MARCH 20, 1986  
 SHEET 3 OF 7  
 REVISED: JUNE 27, 1986  
 SDE-86-210



APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE 6-25-86

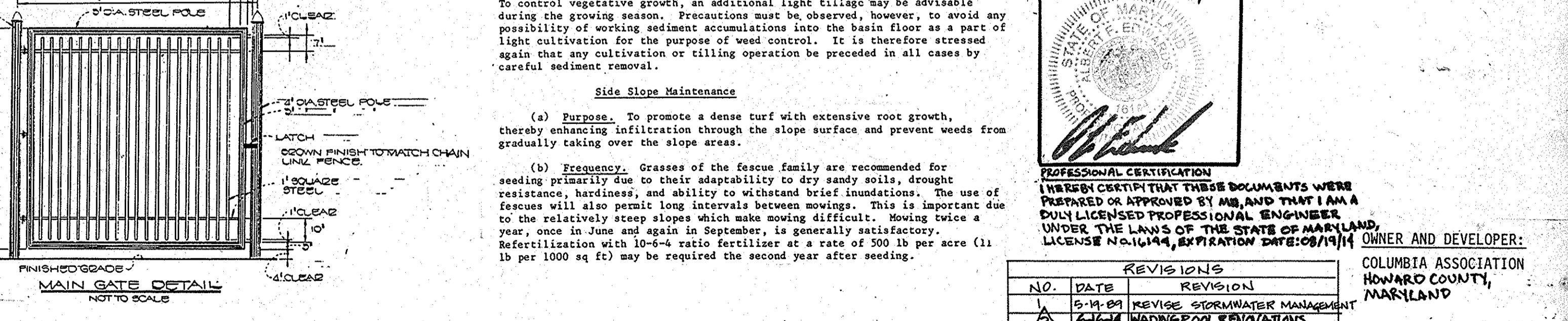
STRUCTURE SCHEDULE

NO.	TYPE	TOP ELEV.	INV. IN	INV. OUT	REMARKS*
1-1	A-5	421.00	416.82	416.32	SD 4.01
MH-1	SHALLOW	420.10	416.05	415.80	G 5.05
E-1	METAL END SECTION	417.50	---	415.50	SD 5.61
J-1	JUNCTION BOX	424.00	---	417.40	SD 1.12

\* ALL DETAILS REFER TO HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.

DECL. DRAIN SPEC. NO. COLOR

1	NOS. 1214 W/NOS. 1210	GRAY
2	NOS. 1213 W/NOS. 1210	GRAY
3	NOS. 1214 W/NOS. 1210	GRAY
4	NOS. 1213 W/NOS. 1210	GRAY



FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERS & LAND SURVEYORS  
8388 COURT AVENUE  
ELLCOTT CITY, MARYLAND 21043  
(301) 461-2855

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 THE SAME WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY CONSERVATION DISTRICT.

CHARLES J. FISHER  
REGISTERED PROFESSIONAL ENGINEER  
DATE 4-4-86

DEVELOPER'S CERTIFICATE  
I HEREBY CERTIFY THAT ALL NECESSARY PERMITS AND CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES ATTENDED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD COUNTY CONSERVATION DISTRICT WITH AN "AS BUILT" PLAN OF THE POND WITHIN 90 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY CONSERVATION DISTRICT.

BRAND PAUL BRAY  
DATE 4-4-86

APPROVED: OFFICE OF PLANNING AND ZONING  
PLANNING DIRECTOR  
DATE 7-24-86

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT  
FOR PUBLIC WATER AND SEWERAGE SYSTEMS  
HEALTH OFFICER  
DATE 7-22-86

APPROVED: DEPARTMENT OF PUBLIC WORKS  
FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.  
DIRECTOR, PUBLIC WORKS  
DATE 7-12-86

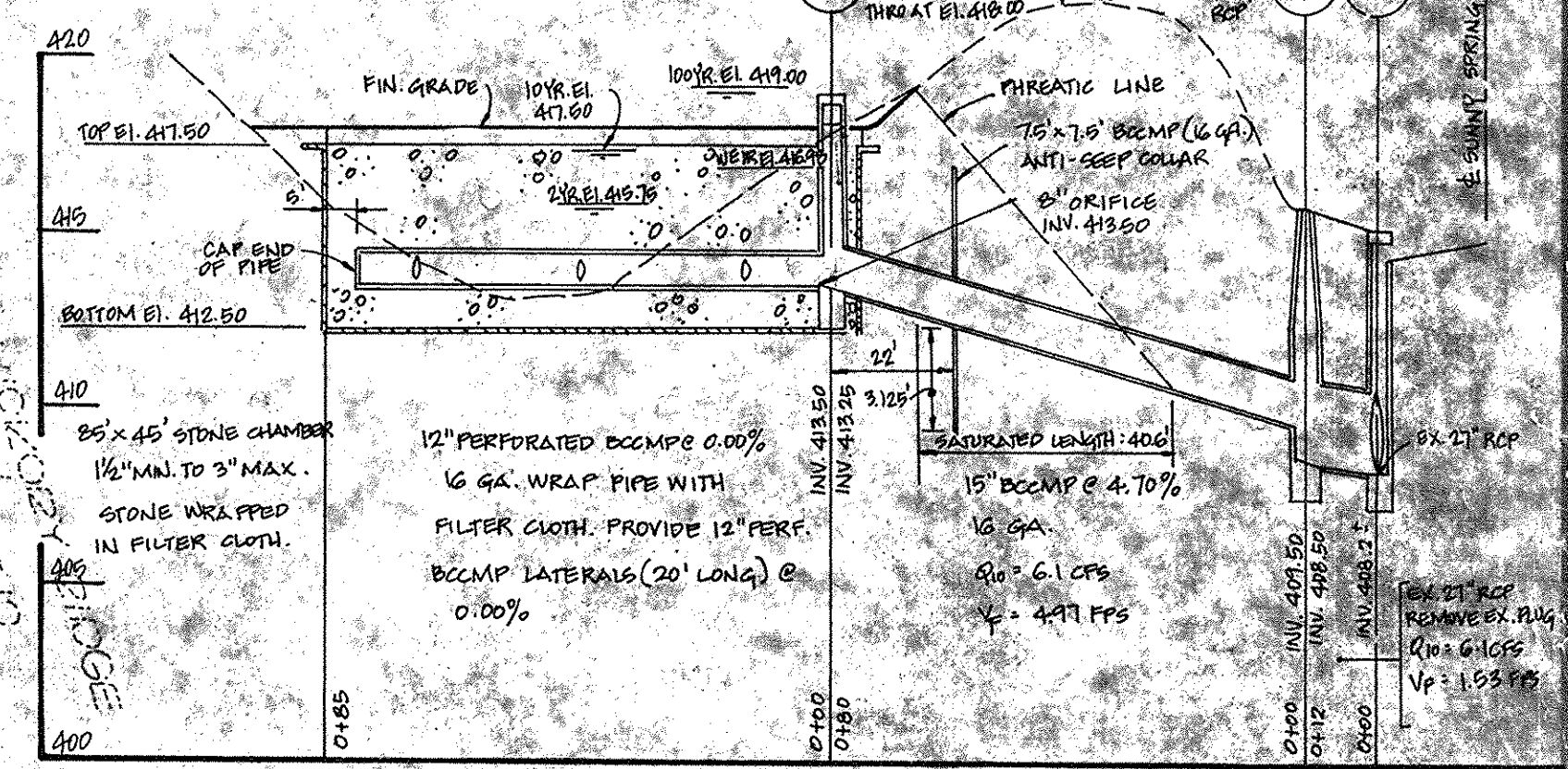
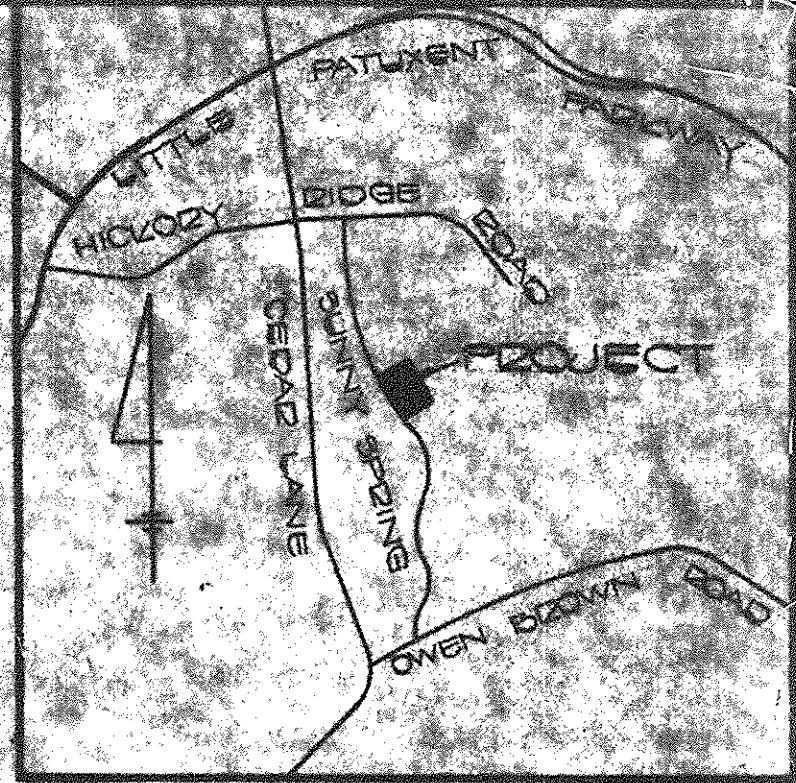
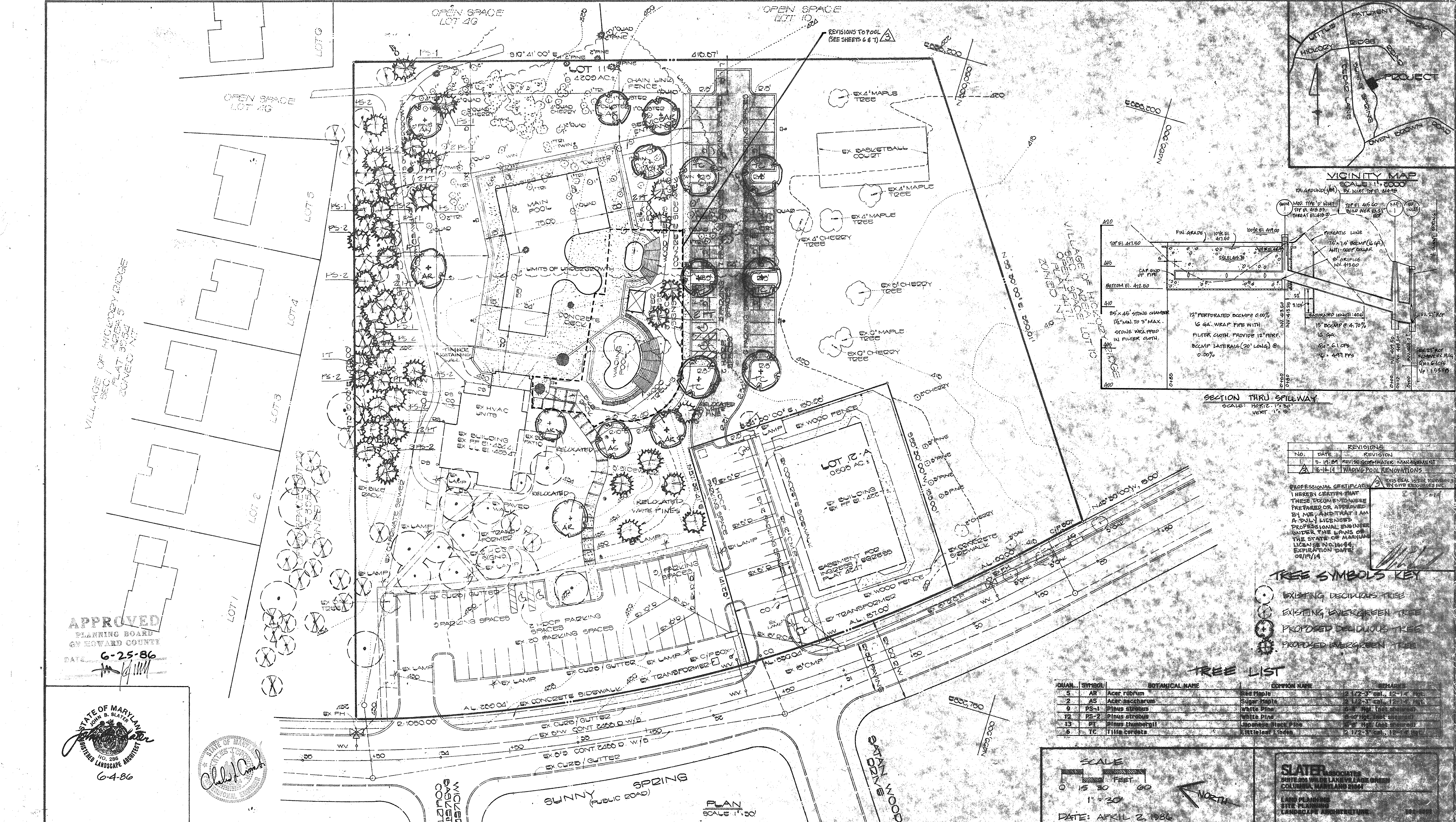
SUBDIVISION VILLAGE OF HICHOZEY RIDGE  
SECTION/AREA 1/1  
LOT NO. 11A  
PLAT NO. 2471  
WATER CODE 5-28  
SEWER CODE 5327300

REVISIONS

NO.	DATE	REVISION
1	5-14-81	REVISE STORMWATER MANAGEMENT
2	6-14-81	HAWTHORN POOL REVISIONS

PROFESSIONAL CERTIFICATION  
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 14144, EXPIRATION DATE 09/30/94. OWNER AND DEVELOPER: COLUMBIA ASSOCIATION, HOWARD COUNTY, MARYLAND.

BUILDING AND SWIMMING POOL ADDITIONS TO S.D.P. 20-31C  
NOTES/DETAILS  
BUILDING ADDITION, SWIMMING POOL  
REVISION TO APPROVED S.D.P. 20-31C  
HAWTHORN NEIGH. BOZHOOD POOL  
LOT 11A  
VILLAGE OF HICHOZEY RIDGE  
SECTION/AREA 1  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN DATE: MARCH 20, 1986  
SHEET 4 OF 7  
REVISED: JUNE 27, 1986  
S.D.P. 20-31C



NO.	DATE	REVISION
1	5-19-84	REVISE STORMWATER MANAGEMENT
2	10-16-84	WADING POOL RENOVATIONS

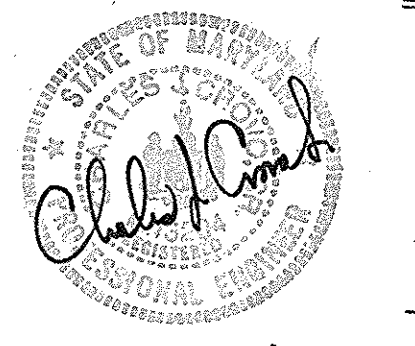
PROFESSIONAL CERTIFICATION  
 I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 16164 EXPIRATION DATE: 08/31/14

- TREE SYMBOLS KEY**
- Existing Deciduous Tree
  - Existing Evergreen Tree
  - Proposed Deciduous Tree
  - Proposed Evergreen Tree

**TREE LIST**

NO.	SYMBOL	BOTANICAL NAME	COMMON NAME	HEIGHT	REMARKS
1	AR	Acer rubrum	Red Maple	8 1/2 - 12' tall, 12" dbh	
2	AS	Acer saccharum	Sugar Maple	8 1/2 - 12' tall, 12" dbh	
3	PS-1	Pinus strobus	White Pine	8' tall, 12" dbh	
4	PS-2	Pinus strobus	White Pine	8' tall, 12" dbh	
5	PT	Pinus strobus	White Pine	8' tall, 12" dbh	
6	TC	Tilia cordata	Littleleaf Linden	12 1/2 - 5' tall, 12" dbh	

APPROVED  
 PLANNING BOARD  
 OF HOWARD COUNTY  
 DATE: 6-25-86



BASE PREPARED BY:  
**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERS & LAND SURVEYORS  
 8388 COURT AVENUE  
 ELLICOTT CITY, MARYLAND 21043  
 (301) 461-2855

**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: Christopher C. Carter  
 DATE: 4/4/86

**DEVELOPER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AS A REQUIREMENT OF NATURAL RESOURCES AGENCY TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT PROGRAM FOR THE CONTROL OF EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 90 DAYS OF COMPLETION. I ALSO AUTHORIZED PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: Brian Paul Bisky  
 DATE: 4-4-86

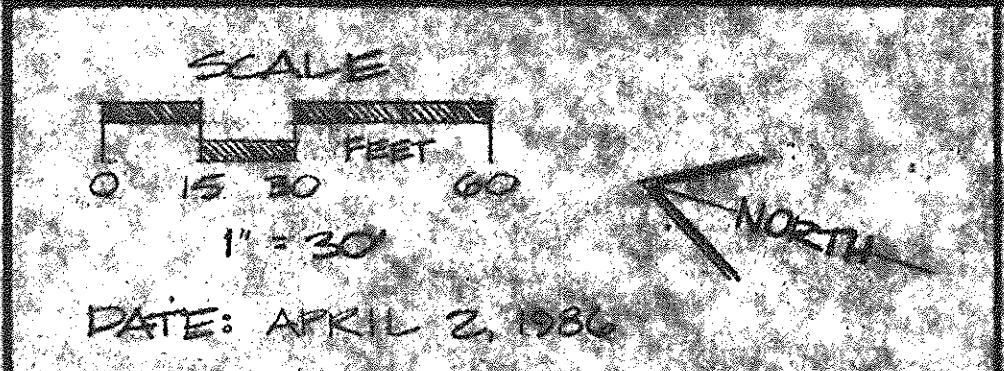
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.  
 U.S. SOIL CONSERVATION SERVICE DATE: 7-11-86

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Signature: Stephen L. Fisher  
 DATE: 7/16/86

APPROVED: OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR: [Signature]  
 DATE: 7-24-86

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR PUBLIC WATER AND SEWERAGE SYSTEMS  
 [Signature]  
 DATE: 7-22-86



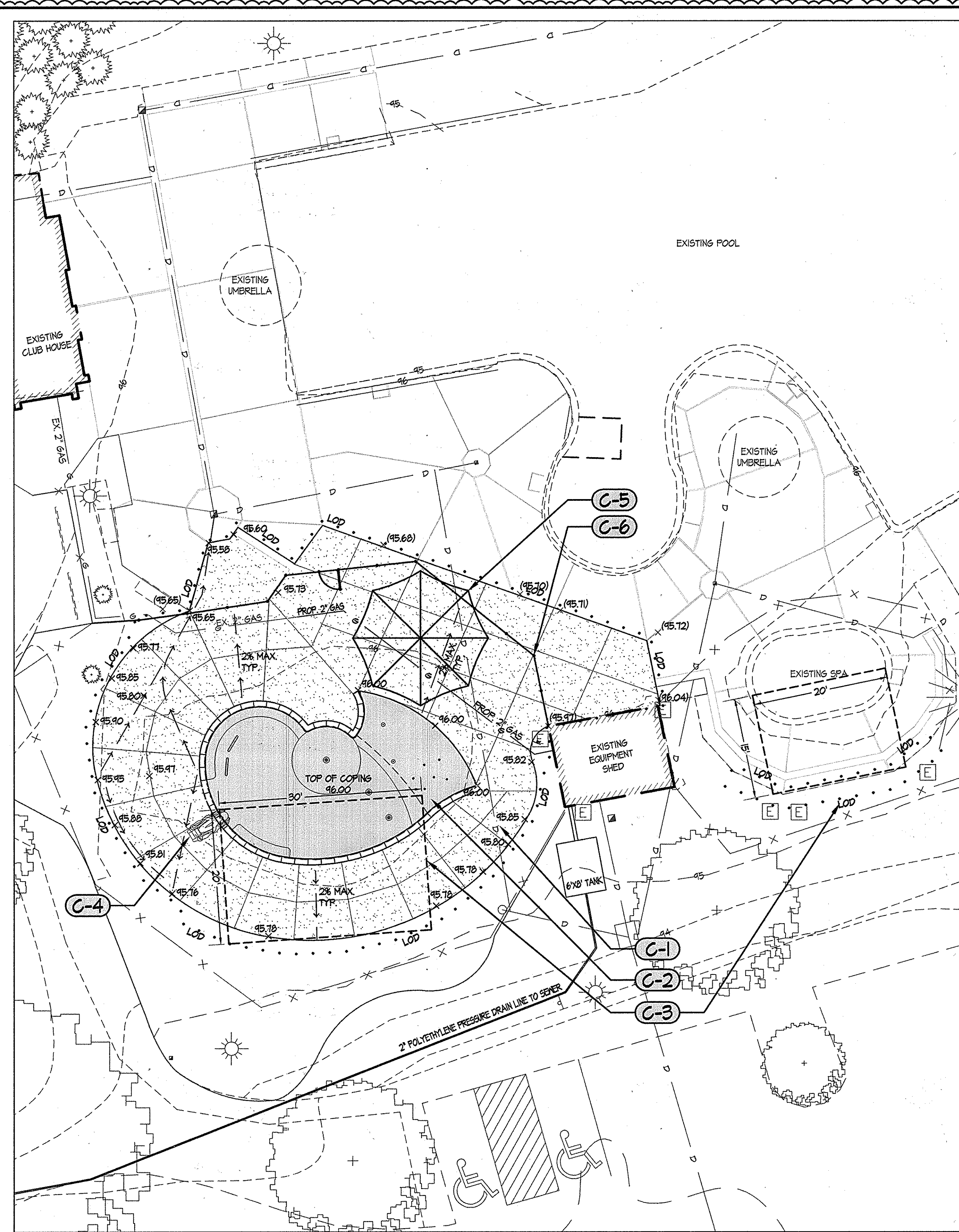
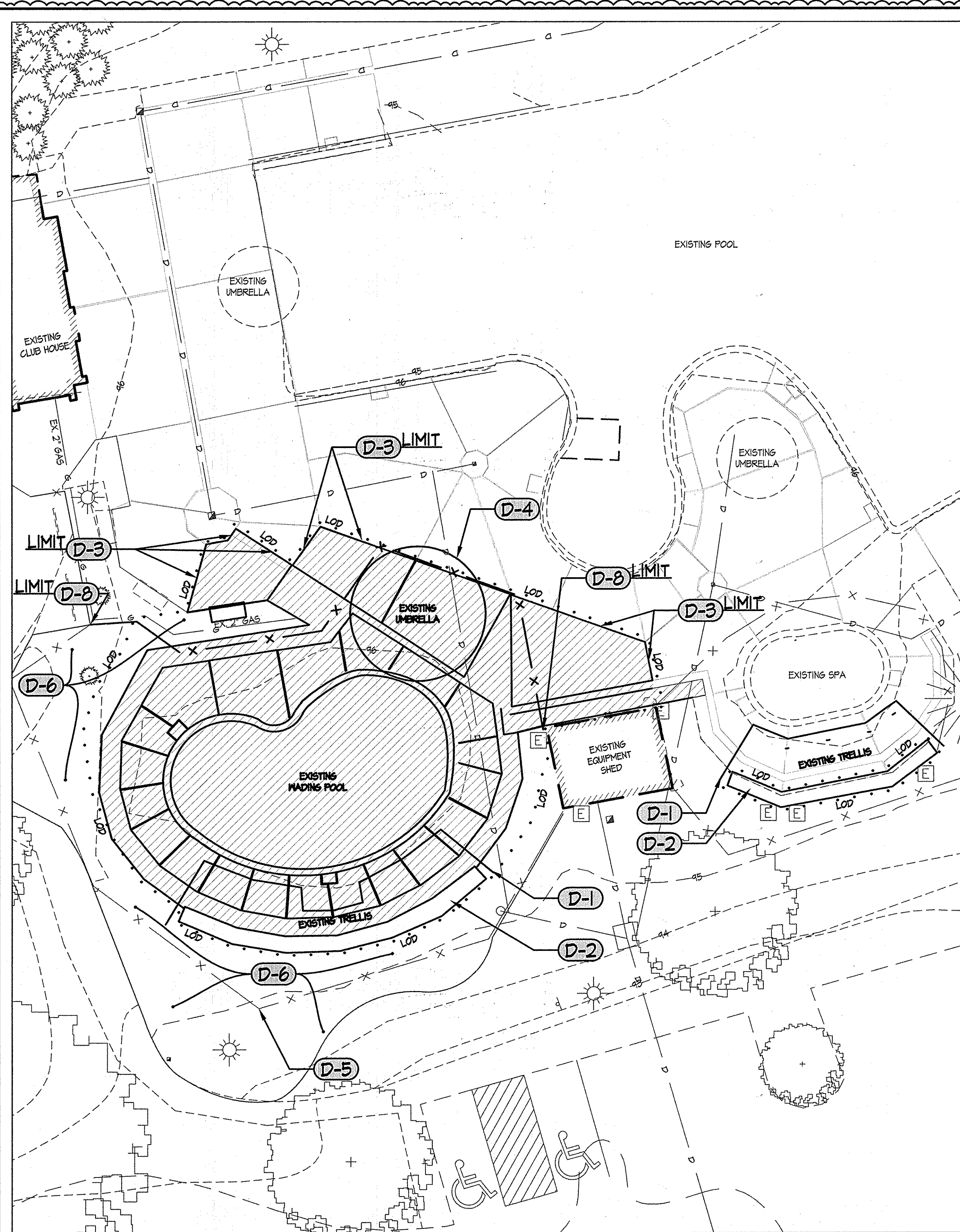
APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.  
 DIRECTOR PUBLIC WORKS: [Signature]  
 DATE: 7-17-86

CHIEF, BUREAU OF ENGINEERING: [Signature]  
 DATE: 7-17-86

**SLATER ASSOCIATES**  
 1000 W. WASHINGTON BLVD.  
 COLUMBIA, MARYLAND 21046

LAND PLANNING  
 SITE PLANNING  
 LANDSCAPE ARCHITECTURE

BUILDING AND SWIMMING POOL ADDITIONS TO 28P-32-28  
**TREE PLANTING**  
 BUILDING ADDITION SWIMMING POOL  
 REVISION TO APPROVED 28P-32-28C  
 HAWTHORN NEIGHBORHOOD



**LEGEND**

- PROPERTY LINE
- EXISTING CONTOURS
- EXISTING TREES
- EXISTING SHRUBS
- EXISTING WALK
- EXISTING ROAD
- EXISTING CURB
- EXISTING STORM DRAIN
- EXISTING LIGHTING
- EXISTING FENCE
- EXISTING BUILDING
- EXISTING PAVING TO BE REMOVED
- EXISTING FENCE TO REMAIN
- EXISTING FENCE TO BE REMOVED
- PROPOSED WALK
- PROPOSED FENCE
- SPOT ELEVATIONS

EX. 15' SD

SCALE: 1" = 10'

**LIMIT OF DISTURBANCE NOTE:**  
AREA OF LIMIT OF DISTURBANCE (LOD) = 9,800 SF  
CONTRACTOR MUST MAINTAIN LOD BELOW 5,000 SF AT ALL TIMES DURING CONSTRUCTION.

**GENERAL NOTE**  
ASSUMES PROPOSED EARTH DISTURBANCE WILL NOT EXCEED 5,000 SQUARE FEET AND/OR 100 CUBIC YARDS OF EARTH DISTURBANCE. CONTRACTOR SHALL COMPLY WITH CURRENT APPLICABLE EROSION AND SEDIMENT CONTROL REGULATIONS.

**1 DEMOLITION PLAN** SCALE: 1" = 10'

**2 LAYOUT & GRADING PLAN** SCALE: 1" = 10'

- DEMOLITION NOTES**
- D-1 REMOVE EXISTING TRELLIS
  - D-2 REMOVE EXISTING BENCH
  - D-3 REMOVE EXISTING POOL DECK TO LIMITS SHOWN
  - D-4 EXISTING UMBRELLA SHALL BE RELOCATED. CAREFULLY REMOVE, CLEAN, AND STORE UMBRELLA AT A LOCATION T.B.D. BY OWNER.
  - D-5 CONTRACTOR MAY REMOVE A SECTION OF THE PERIMETER FENCE TO ACCESS THE POOL BUT MUST RESTORE THE FENCE IN KIND AND LOCATION PER EXISTING PLAN.
  - D-6 CONTRACTOR SHALL SAVE ANY PLANTS THAT MAY BE IMPACTED DURING CONSTRUCTION FOR REPLANTING.
  - D-7 REMOVE AND STORE EXISTING BENCH FOR REUSE. STORAGE LOCATION T.B.D. BY OWNER.
  - D-8 REMOVE EXISTING 4' FENCE TO LIMITS SHOWN.

- CONSTRUCTION NOTES**
- C-1 PROPOSED CONCRETE POOL DECK (SEE DETAIL ON SHEET 1)
  - C-2 PROPOSED POOL
  - C-3 PROPOSED SHADE STRUCTURE (SEE DETAIL ON SHEET 1)
  - C-4 PROPOSED SLIDE
  - C-5 EXISTING UMBRELLA RELOCATED
  - C-6 PROPOSED FENCE (SEE DETAIL ON SHEET 1)

APPROVED: DEPARTMENT OF PLANNING & ZONING  
 [Signature] 9/15/14  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 [Signature] 9/17/14  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 [Signature] 9/17/14  
 DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 [Signature] 9/18/2014  
 COUNTY HEALTH OFFICER  
 HOWARD COUNTY HEALTH DEPARTMENT

ADDRESS CHART		PERMIT INFORMATION CHART		
LOT	STREET ADDRESS	SUBDIVISION NAME	SECTION/AREA	LOT
IIA	6175 SUNNY SPRING	VILLAGE OF HICKORY RIDGE	I/1	IIA
		FLAT # OR L/F	TAX MAP NO.	CENSUS TRACT
		4411	35	6089.02
		BLOCK #	ELECTION DISTRICT	
		II	5TH	
		ZONING	SEWER CODE	
		NT-05	532300	
		WATER CODE		
		E-20		

DRAWN BY: SRI	CONTRACT NO.:
DESIGNED BY: SRI	SCALE: 1"=10'
CHECKED BY: SRI	SRI PROJECT NO: 14017
DATE: 6-16-14	SHEET 6 OF 7

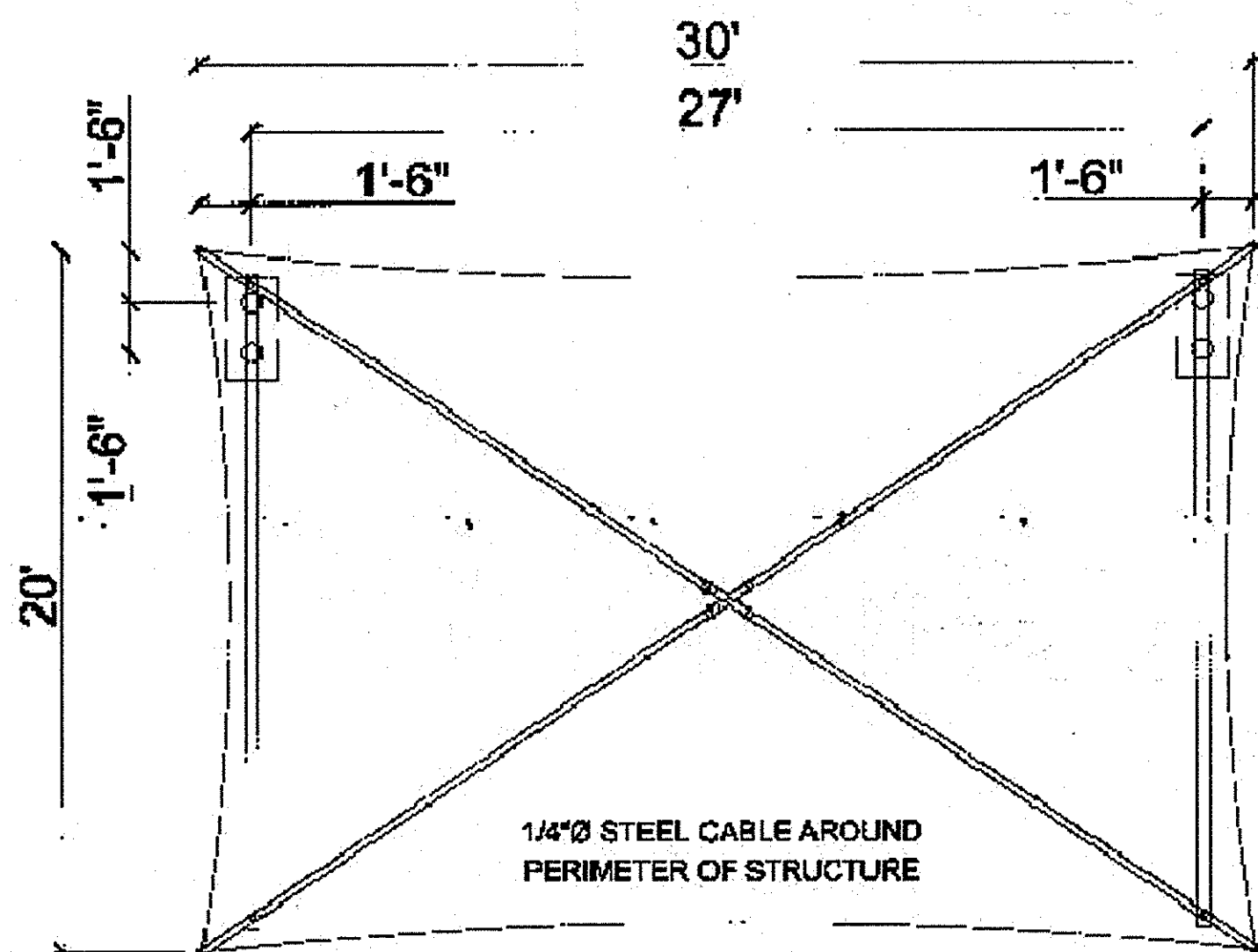
**LAYOUT & GRADING PLAN**  
**Hawthorn Neighborhood Pool**  
 PROPERTY OF  
 COLUMBIA ASSOCIATION  
 HOWARD COUNTY, MARYLAND

**REVISIONS**

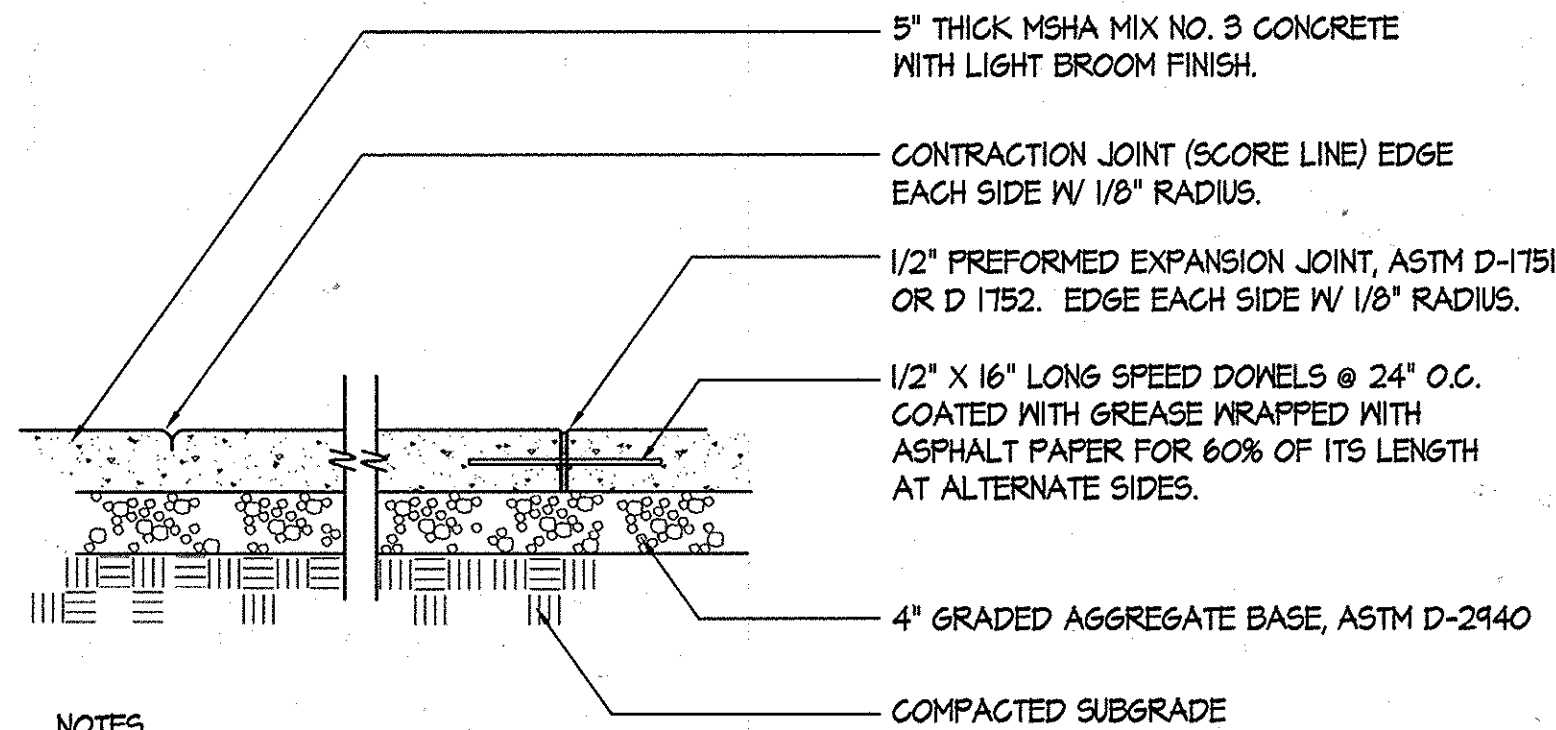
#3	6-16-14	WADING POOL RENOVATIONS
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**SITE RESOURCES**  
 incorporated  
 Comprehensive Land Planning & Site Design Services  
 14815 Invertrillville Pike • Phoenix, Maryland 21111  
 (410) 883-3388 • Fax (410) 883-3389

SDP-86-216c



**PLAN VIEW**

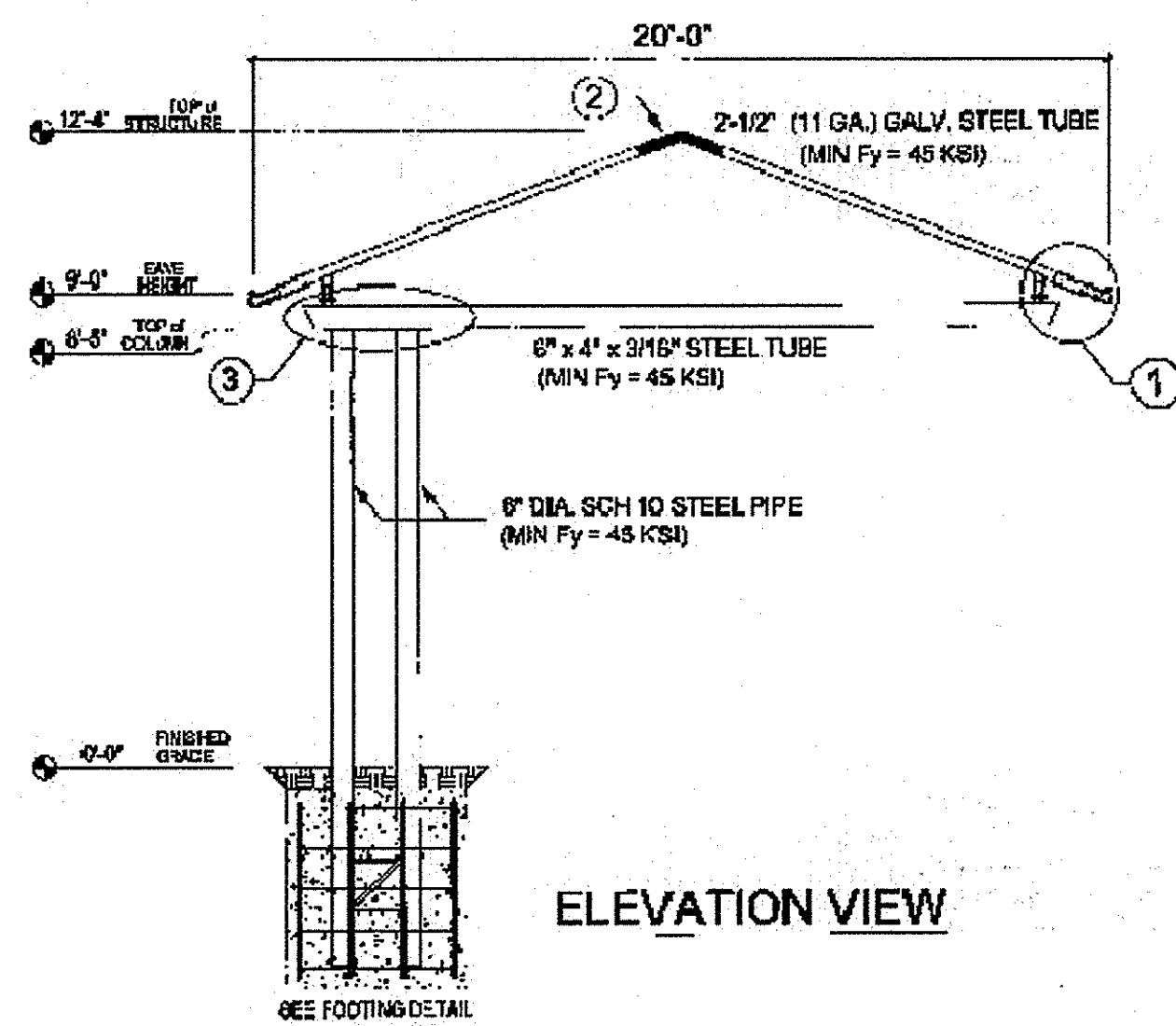


**NOTES**

1. Place expansion joints not more than 20'-25' apart and at the end of each contiguous pour.
2. Place contraction joints at interval matching width of sidewalk but not more than 6' apart.
3. Provide expansion joints where pour meets existing concrete paving or curb.
4. Expansion joints to be recessed 1/4" below surface of sidewalk.
5. When sidewalk abuts back of street curb, walk shall be 1/4" above top of curb.
6. When sidewalk abuts existing concrete walk, core drill and install domels per detail.
7. Match score pattern of adjacent sidewalk where practical.
8. Unless otherwise shown on plan, contractor to submit layout of proposed contraction expansion joints for approval prior to pouring concrete.

**2 CONCRETE POOL DECK**

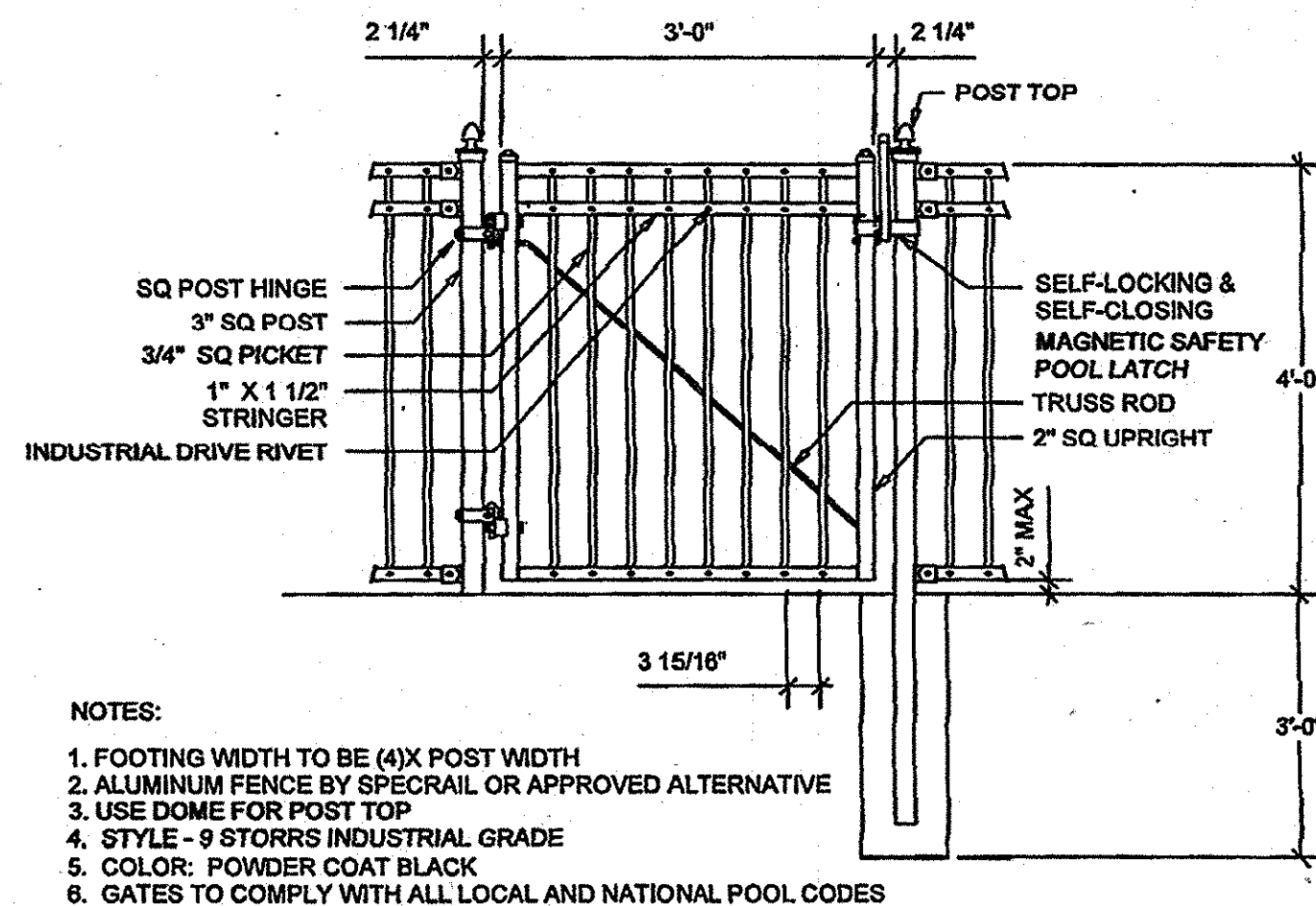
NOT TO SCALE



**ELEVATION VIEW**

**1 SHADE STRUCTURE**

NOT TO SCALE



**NOTES:**

1. FOOTING WIDTH TO BE (4)X POST WIDTH
2. ALUMINUM FENCE BY SPECRAIL OR APPROVED ALTERNATIVE
3. USE DOME FOR POST TOP
4. STYLE - 9 STORRS INDUSTRIAL GRADE
5. COLOR: POWDER COAT BLACK
6. GATES TO COMPLY WITH ALL LOCAL AND NATIONAL POOL CODES

**GATE DETAIL**

**3 FENCE DETAILS**

**NOTES:**

1. FOOTING WIDTH TO BE (4)X POST WIDTH
2. ALUMINUM FENCE BY SPECRAIL OR APPROVED ALTERNATIVE
3. USE DOME FOR POST TOP
4. STYLE - 9 STORRS INDUSTRIAL GRADE
5. COLOR: POWDER COAT BLACK

**FENCE DETAIL**

NOT TO SCALE

**2" PVC INSTALLATION NOTES:**

1. THE ENGINEER IN NO WAY GUARANTEES THE ACCURACY OR COMPLETENESS OF THE EXISTING UTILITIES SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL EXISTING UTILITIES TO HIS OWN SATISFACTION PRIOR TO BEGINNING WORK.
2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS PRIOR TO BEGINNING WORK.
3. PROPOSED 2" PVC SHALL BE DIRECT BURIED WITH A MINIMUM OF 2' OF COVER. CONTRACTOR MAY DETERMINE THE FINAL ALIGNMENT IN THE FIELD WITH THE PERMISSION OF THE OWNER. UTILITY ALIGNMENT SHALL BE SUCH THAT DISTURBANCE TO EXISTING ROOT SYSTEMS SHALL BE MINIMIZED TO THE OWNER'S SATISFACTION.
4. STABILIZATION FOR THIS UTILITY WORK SHALL ADHERE TO 'SAME DAY STABILIZATION' CRITERIA SUCH THAT ONLY THAT PORTION OF TRENCH THAT CAN BE BACKFILLED AND STABILIZED WITHIN ONE WORKING DAY SHALL BE OPEN AT ANY GIVEN TIME.
5. FOR UTILITY WORK PERFORMED IN PAVED AREAS, CONTRACTOR SHALL SAW CUT EXISTING PAVING AND PROVIDE BACKFILL MATERIAL, CONFECTION AND FINISHING MATERIAL OF LIKE KIND, AND REPAIR DISTURBED PAVED AREAS TO THE SATISFACTION OF THE OWNER.
6. CONTRACTOR SHALL CONNECT PROPOSED 2" PVC TO EXISTING CLEANOUT PER HOWARD COUNTY DETAIL PLATE S-4.16.

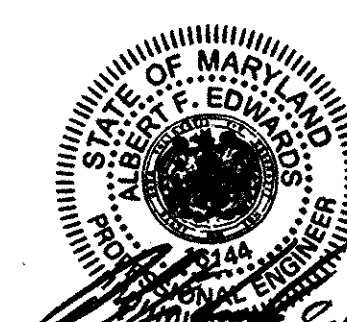
**SITE DETAILS**

**Hawthorn Neighborhood Pool**

PROPERTY OF  
COLUMBIA ASSOCIATION  
HOWARD COUNTY, MARYLAND

**REVISIONS**

#3 6-16-14 MAKING POOL RENOVATIONS



14315 Jurettville Pike • Phoenix, Maryland 21131  
(410) 683-3388 • fax (410) 683-3389

DRAWN BY: SRI CONTRACT NO.: -  
DESIGNED BY: SRI SCALE: 1"=10'  
CHECKED BY: SRI SRI PROJECT NO.: 14017  
DATE: 6-16-14 SHEET 7 OF 7

APPROVED: DEPARTMENT OF PLANNING & ZONING  
DATE: 9/15/14  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
DATE: 9/17/14  
CHIEF, DIVISION OF LAND DEVELOPMENT  
DATE: 9/17/14  
DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
DATE: 9/8/2014  
COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT

ADDRESS CHART		PERMIT INFORMATION CHART		
LOT	STREET ADDRESS	SUBDIVISION NAME	SECTION/AREA	LOT
IIA	6175 SUNNY SPRING	VILLAGE OF HICKORY RIDGE	I	IIA
		FLAT # OR L/F	BLOCK # ZONING	TAX MAP NO. ELECTION DISTRICT
		4471 II NT-05	35 5TH	CENSUS TRACT
		WATER CODE	SEWER CODE	
		E-28	532300	