

SHEET INDEX	
TITLE	SHEET NO.
SITE DEVELOPMENT PLAN	1 OF 7
GRADING AND SEDIMENT EROSION CONTROL PLAN	2 OF 7
DETAIL SHEET FOR SITE DETAILS	3 OF 7
DETAIL SHEET FOR SEDIMENT EROSION CONTROLS	4 OF 7
LANDSCAPING AND PLANTING PLAN	5 OF 7
DETAIL SHEET	6 OF 7
SITE CROSS SECTION	7 OF 7

NOTES:  
 THE LOD OF 744 S.F. IS EXEMPT FROM PROVIDING STORMWATER MANAGEMENT.  
 ANY FUTURE INCREASE TO L.O.D. EXCEEDING 5,000 S.F. SHALL PROVIDE STORMWATER MANAGEMENT.

- GENERAL NOTES**
- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
  - ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
  - THE LOCATION OF EXISTING UTILITIES SHOWN IS APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF ANY UTILITIES AND SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE ENGINEERING OFFICE, CENTURY ENGINEERING AT (301) 823-8070, IN THE EVENT OF ANY DISCREPANCIES IN THE PLANS OR IN THE RELATIONSHIPS OF FINISHED GRADES TO EXISTING GRADES, PRIOR TO BEGINNING WORK.
  - THE CONTRACTOR SHALL NOTE THAT IN THE CASE OF A DISCREPANCY BETWEEN THE SCALED AND FIGURED DIMENSIONS SHOWN ON THESE PLANS, THE FIGURED DIMENSIONS SHALL GOVERN.
  - IT SHALL BE DISTINCTLY UNDERSTOOD THAT FAILURE TO MENTION SPECIFICALLY WORK WHICH WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
  - THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK ON THE DRAWINGS:
 

MESS UTILITY	559-0100
C & P TELEPHONE COMPANY	725-9976
HOWARD COUNTY BUREAU OF UTILITIES	992-2366
AT&T CABLE LOCATION DIV.	393-3553
BALTIMORE GAS & ELECTRIC COMPANY	685-0123
STATE HIGHWAY ADMINISTRATION	531-5533
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION	792-7272
  - ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
  - THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 3'-00" OF EXTERIOR MANHOLE WALLS.
  - PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
  - NO PIPE SHALL BE LAID UNTIL LINE OF EXCAVATION HAS BEEN BROUGHT TO SURFACE.
  - ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
  - DAILY TRASH REMOVAL TO BE PROVIDED.

**SITE ANALYSIS**

AREA OF PARCELS 0-1, 0-2, 0-3, 0-4, 0-5, 0-6, 0-7, 0-8, 0-9, 0-10, 0-11, 0-12, 0-13, 0-14, 0-15, 0-16, 0-17, 0-18, 0-19, 0-20, 0-21, 0-22, 0-23, 0-24, 0-25, 0-26, 0-27, 0-28, 0-29, 0-30, 0-31, 0-32, 0-33, 0-34, 0-35, 0-36, 0-37, 0-38, 0-39, 0-40, 0-41, 0-42, 0-43, 0-44, 0-45, 0-46, 0-47, 0-48, 0-49, 0-50, 0-51, 0-52, 0-53, 0-54, 0-55, 0-56, 0-57, 0-58, 0-59, 0-60, 0-61, 0-62, 0-63, 0-64, 0-65, 0-66, 0-67, 0-68, 0-69, 0-70, 0-71, 0-72, 0-73, 0-74, 0-75, 0-76, 0-77, 0-78, 0-79, 0-80, 0-81, 0-82, 0-83, 0-84, 0-85, 0-86, 0-87, 0-88, 0-89, 0-90, 0-91, 0-92, 0-93, 0-94, 0-95, 0-96, 0-97, 0-98, 0-99, 0-100	100,000 sq. ft.
TOTAL AREA THIS PLAN	2,704 sq. ft.
BUILDING COVERAGE:	
PARCELS 0-1, 0-2, 0-3, 0-4, 0-5, 0-6, 0-7, 0-8, 0-9, 0-10, 0-11, 0-12, 0-13, 0-14, 0-15, 0-16, 0-17, 0-18, 0-19, 0-20, 0-21, 0-22, 0-23, 0-24, 0-25, 0-26, 0-27, 0-28, 0-29, 0-30, 0-31, 0-32, 0-33, 0-34, 0-35, 0-36, 0-37, 0-38, 0-39, 0-40, 0-41, 0-42, 0-43, 0-44, 0-45, 0-46, 0-47, 0-48, 0-49, 0-50, 0-51, 0-52, 0-53, 0-54, 0-55, 0-56, 0-57, 0-58, 0-59, 0-60, 0-61, 0-62, 0-63, 0-64, 0-65, 0-66, 0-67, 0-68, 0-69, 0-70, 0-71, 0-72, 0-73, 0-74, 0-75, 0-76, 0-77, 0-78, 0-79, 0-80, 0-81, 0-82, 0-83, 0-84, 0-85, 0-86, 0-87, 0-88, 0-89, 0-90, 0-91, 0-92, 0-93, 0-94, 0-95, 0-96, 0-97, 0-98, 0-99, 0-100	100,000 sq. ft.
TOTAL PARKING COVERAGE:	3,024 sq. ft. (11.2%)
TOTAL GREEN SPACE:	70,556 sq. ft. (26.1%)

NOTE:  
 BUILDING COVERAGE FOR LOT 152 INCLUDES THE BATH HOUSE, MAIN POOL AND THE WADING POOL.  
**VILLAGE OF HICKORY RIDGE LOT 147 PLAT # 7050 OPEN SPACE**

**PARKING TABULATIONS**

Daycare Facility:	4000 sq. ft. / 400 sq. ft. = 10 Spaces
Pool Facility:	1 Space / 15 Persons = 320 People / 6 = 41 Spaces
Total Parking Available:	10 + 41 = 51 Spaces
Total Handicap Cap Spaces:	5 Spaces
Total Handicap Cap Spaces Provided:	5 Spaces

**AS-BUILT ENGINEER'S CERTIFICATION**  
 I hereby certify that the storm drain, stormwater management, water & sewer facilities shown on this plan were constructed as shown on as-built plan and meet the minimum plans & specifications.

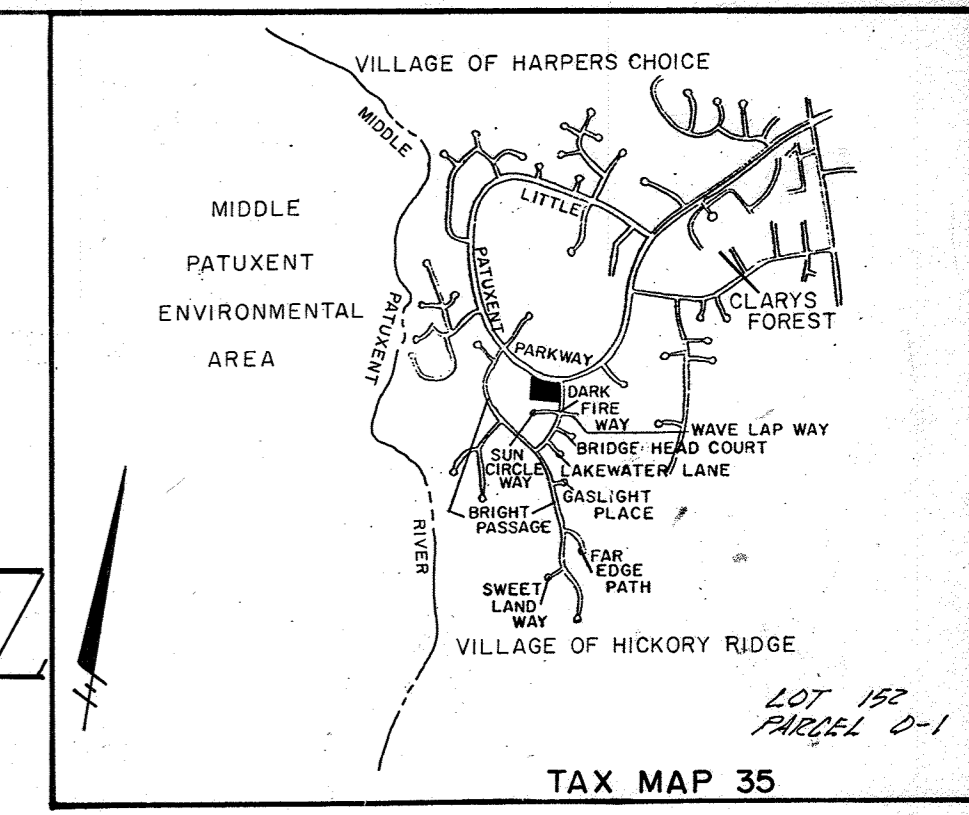
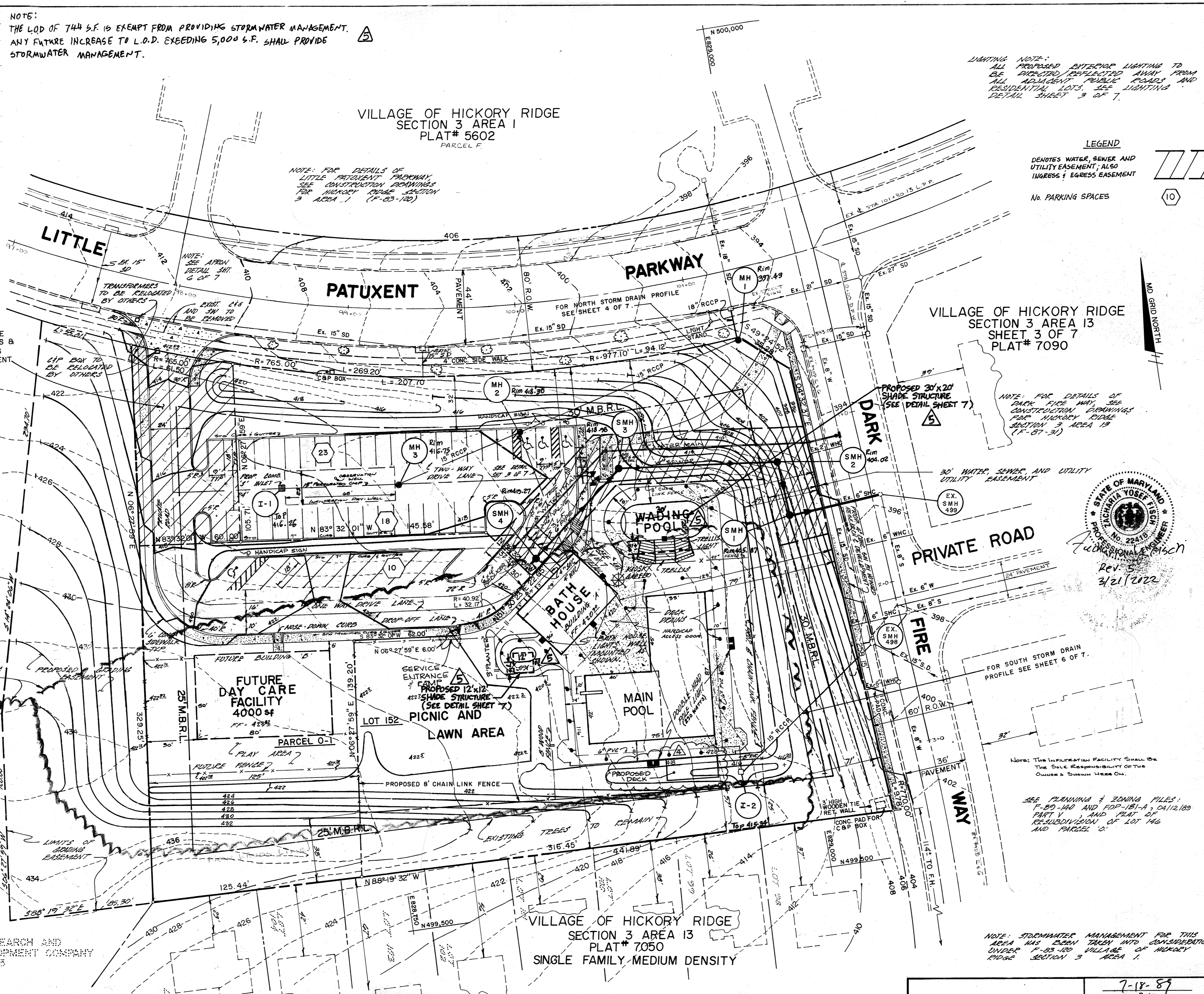
**CONTRACTOR**  
 METROPOLITAN CONTRACTING CO.  
 5209 YORK ROAD  
 BALTIMORE, MARYLAND 21212

**BY THE ENGINEER:**  
 JOHN HEINRICHS  
 7-18-89  
 ENGINEER: JOHN HEINRICHS DATE

**BY THE DEVELOPER:**  
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

**APPROVED PLANNING BOARD OF HOWARD COUNTY**  
 DATE: 4-12-89  
 LWS

**STATE OF MARYLAND PROFESSIONAL ENGINEER**  
 JOHN HEINRICHS  
 No. 14920



**VICINITY MAP**  
 SCALE: 1" = 2000'

Date	No.	Revision Description	BY
3-18-22	5	ADDED 2 SHAPE STRUCTURES	FSH
11-16-95	3	ADDED PROPOSED DECK	
3-15-90	3	REV. CONC. ENTRANCE & WATER LINE	

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*James M. Helm* 7/21/89  
 U.S. CONSERVATION SERVICE DATE

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

*Stephen L. Shuck* 7/21/89  
 HOWARD S.C.D. DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*James M. Boyd* 8/28/89  
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*W. S. ...* 8/23/89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James M. Helm* 8/25/89  
 DIRECTOR DATE

*William S. ...* 8-14-89  
 CHIEF, BUREAU OF ENGINEERING DATE

Date	No.	Revision Description
4/17/89	2	PER HOWARD CO. COMMENTS PDS/RHL
3/14/87	1	PER. NO. 10 / M.A.S. COMMENTS JP/PBS

**CLARY'S FOREST NEIGHBORHOOD POOL**

**CENTURY ENGINEERING, INC.**  
 CONSULTING ENGINEERS & PLANNERS  
 32 WEST ROAD  
 TOWSON, MARYLAND 21204

Des By JP	Scale 1" = 30'	Proj No 88-030
Dirn By MAG	Date DEC. 23, 1988	Drawing No. 1 OF 7
Chk By DDS	Approved JRH	

**PERMANENT SEEDING NOTES**

Apply to graded or cleared areas 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 view of soil test recommendations, use one of the following schedules:

- 1) Fertilized - 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. Harvest or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 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. Harvest or disc into upper three inches of soil.

**Seeding:** For the periods March 1 thru April 30, and August 1 thru October 31, 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 1 thru February 28, present site but Option (3) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. 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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 6 feet or higher, use 3 1/2 gallons per acre (8 gal/1000 sq ft) for anchoring.

**Maintenance:** Inspect all seeded 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 60 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 20 lbs/acre per acre of annual ryegrass (5 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 1 lb per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, provide site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.

**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 2 1/2 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 6 feet or higher, use 3 1/2 gallons 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.

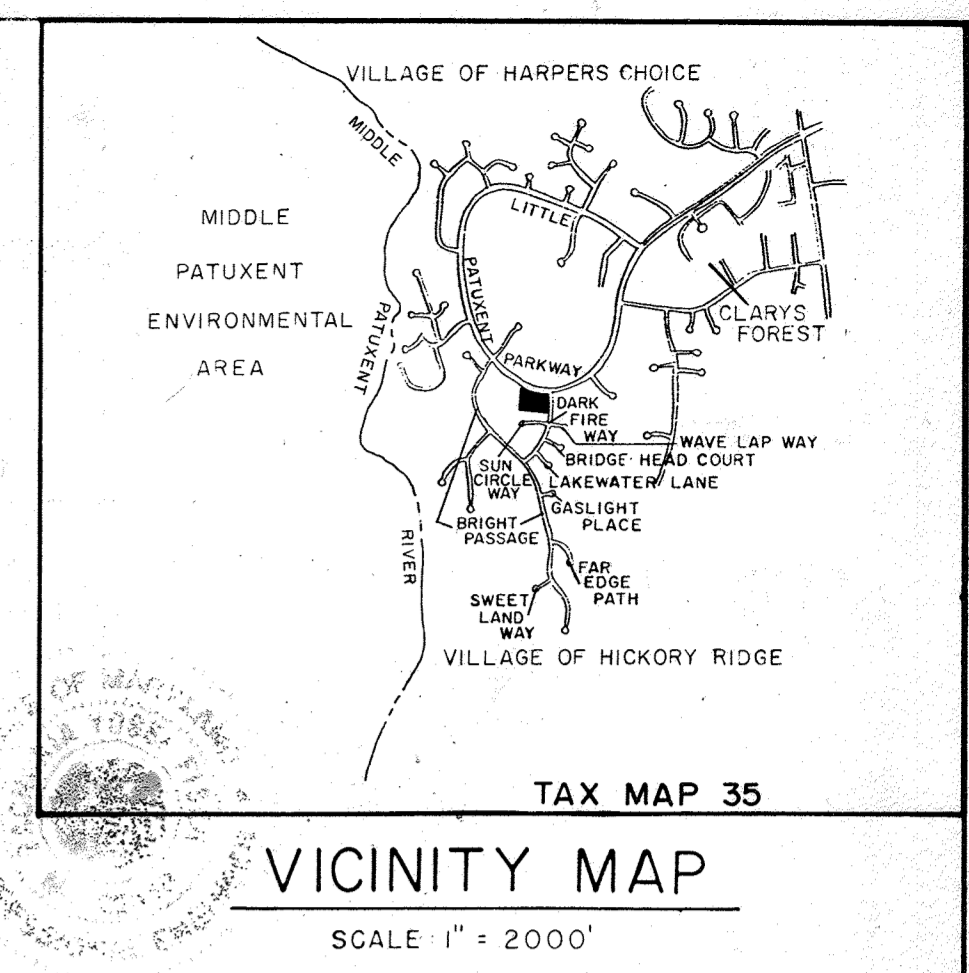
NO.	TYPE	EXISTING DRAINAGE AREA	PROPOSED DRAINAGE AREA	STORAGE REQUIRED	STORAGE PROVIDED	PIPE OUTLET LENGTH	STORAGE BANK DEPTH	WEIR ELEV.	CLEAN-OUT ELEV.	BOTTOM ELEV.	BOTTOM DIMENSION	FLARE AFORN
1.	PIPE OUTLET	2.68	2.68	4,824 cu ft	4,824 cu ft	32.0'	4'	396.0	N/A	394.0	392.0	32" x 36"

VILLAGE OF HICKORY RIDGE  
SECTION 3 AREA I  
PLAT # 5602  
PARCEL F

NOTE: FOR DETAILS OF LITTLE PATUXENT PARKWAY SEE CONSTRUCTION DRAWINGS FOR HICKORY RIDGE SECTION 3 AREA I (F-83-120)

SOIL TYPE: MANOR GRAVELLY LOAM  
NAMES: Mg2, MgC2, MgC3  
HYDROLOGIC SOIL CLASS: B  
HOWARD COUNTY SOIL SURVEY MAP 24

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN GRADING PERMIT.
  2. NOTIFY THE DPM SEDIMENT CONTROL INSPECTOR FOR HOWARD COUNTY 24 HOURS PRIOR TO START OF ANY CONSTRUCTION.
  3. STAKEOUT LIMITS OF CONSTRUCTION, AND SEDIMENT AND EROSION CONTROL DEVICES.
  4. CLEAR AND GRUB AREA FOR STABILIZED CONSTRUCTION ENTRANCE.
  5. CLEAR AND GRUB AREAS FOR SEDIMENT CONTROL MEASURES.
  6. EXCAVATE AND CONSTRUCT PIPE OUTLET SEDIMENT TRAP, AND INSTALL PERIMETER DIKE/SWALE, EARTH DIKE, AND SILT FENCE.
  7. INSTALL STORM DRAIN SYSTEM AND PROVIDE INLET PROTECTION.
  8. CLEAR AND ROUGH GRADE REMAINING SITE AND CONSTRUCT BUILDING, POOLS AND PARKING LOT.
  9. SEED AND MULCH ALL DISTURBED AREAS OUTSIDE OF THE BUILDING AND PAVED AREAS, UNLESS DIRECTED OTHERWISE ON THE PLANS.
  10. WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE REMAINING AREAS.



Date	No.	Revision Description	BY
3-18-22	5	ADDED 2 SHADE STRUCTURES.	FSH
11-16-95	4	ADDED PROPOSED DECK	

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

James M. Helm 7/21/89  
CONSERVATION SERVICE DATE

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

Stephen L. Helm 7/21/89  
HOWARD S.C.D. DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

James M. Bond 8/28/89  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

William S. ... 9.5.89  
PLANNING DIRECTOR DATE

Mark S. ... 8/25/89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James M. ... 8/25/89  
DIRECTOR DATE

William S. ... 8-16-89  
CHIEF, BUREAU OF ENGINEERING DATE

3-15-90 3 REVISED CONE ENTRANCE M.C.R.  
4-17-89 2 PER HOWARD CO. COMMENTS D.D.S./J.S.

OWNER/DEVELOPER: HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY, COLUMBIA, MARYLAND 21044

COLUMBIA ASSOCIATION, SUITE 400, ONE KVOILL NORTH COLUMBIA, MARYLAND 21045 (301) 730-2616 LOT 146

**CLARY'S FOREST NEIGHBORHOOD POOL**

**CENTURY ENGINEERING, INC.**  
CONSULTING ENGINEERS • PLANNERS  
32 WEST ROAD  
TOWSON, MARYLAND 21204

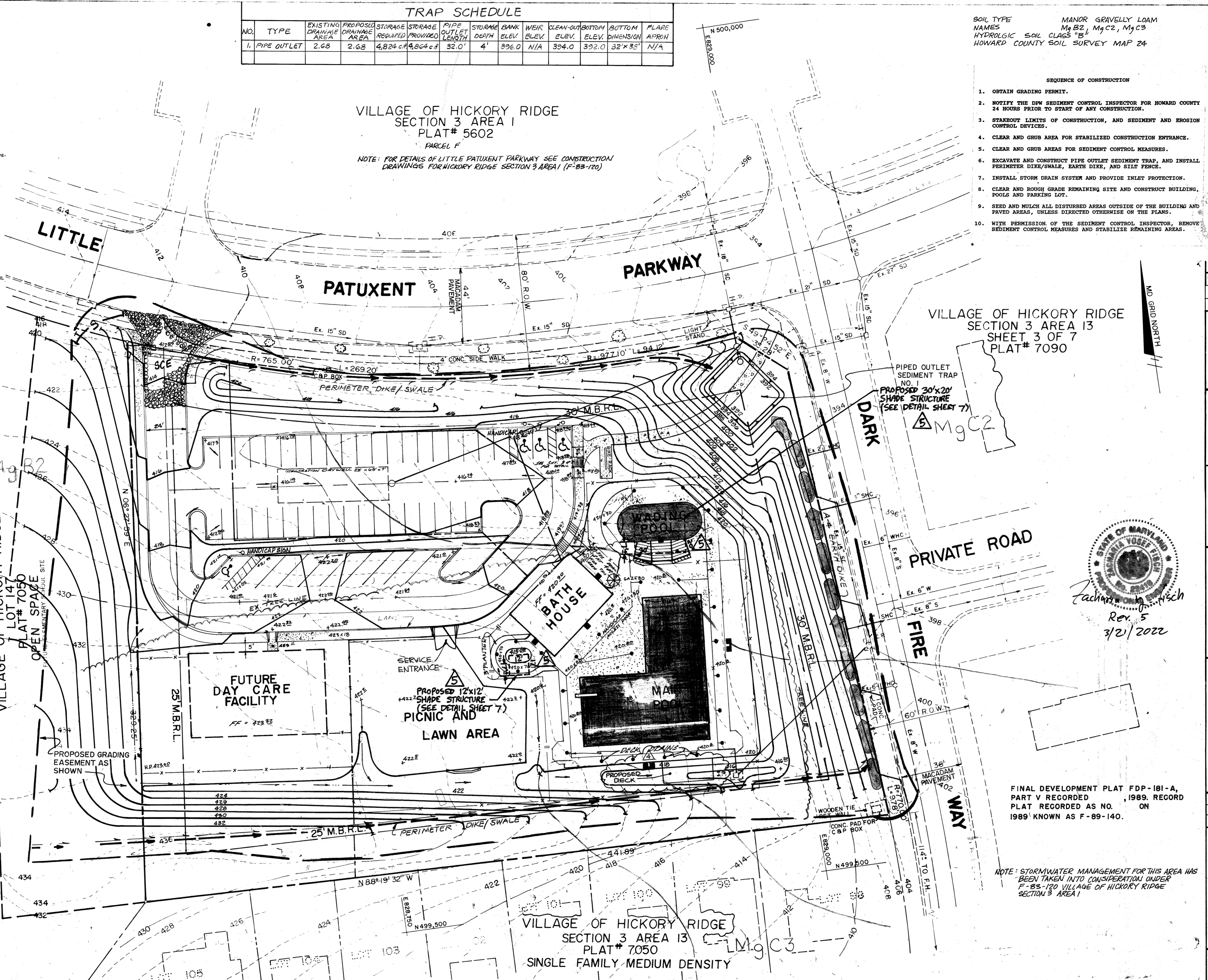
AREA: RECORD PLAT REFERENCE NO. 7050  
VILLAGE OF HICKORY RIDGE SECTION 3, AREA 13, LOT 152 PARCEL 0-1  
ELECTION DISTRICT NO. 5 HOWARD COUNTY, MD

TITLE: GRADING AND SEDIMENT CONTROL PLAN

Des By JP ; Scale 1" = 30' ; Proj No 88-030  
Dra By MAG ; Date DEC. 23, 1988 ; Drawing No.  
Chk By DDS ; Approved JRH ; 2 OF 7

- LEGEND**
- STABILIZED CONSTRUCTION ENTRANCE
  - INLET PROTECTION
  - SILT FENCE
  - PROPOSED CONTOUR
  - EXISTING CONTOUR
  - PROPOSED EASEMENT
  - EXISTING WOODS
  - SOILS LINE
  - PROPERTY / R/W LINE
  - EARTH DIKE
  - PERIMETER DIKE/SWALE
  - SEDIMENT TRAP

- SEDIMENT CONTROL NOTES**
- 1) 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. (918-3037)
  - 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  - 3) Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1. If 14 days or 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 13, 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. 5) and (Sec. 2), temporary seedings (Sec. 5) and mulching (Sec. 3). 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: 2.786 Acres  
Area to be seeded: 1.172 Acres  
Area to be seeded or paved: 1.172 Acres  
Area to be vegetatively established: 1.614 Acres  
Total Cut: 17,366 cu. yds.  
Total Fill: 11,211 cu. yds.  
Office waste/borrow area: 1.614 Acres
  - 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 sediment control measures, but before proceeding with any other earth disturbance or grading. Other activities on the site shall not be authorized until this final approval by the inspection agency is made.



CONTRACTOR: METROPOLITAN CONTRACTING CO., 5209 YORK ROAD, BALTIMORE, MARYLAND 21212

BY THE ENGINEER: JOHN HEINRICHS, 7-18-89

BY THE DEVELOPER: [Signature], 7/27/89

APPROVED PLANNING BOARD OF HOWARD COUNTY  
DATE: 4-12-89

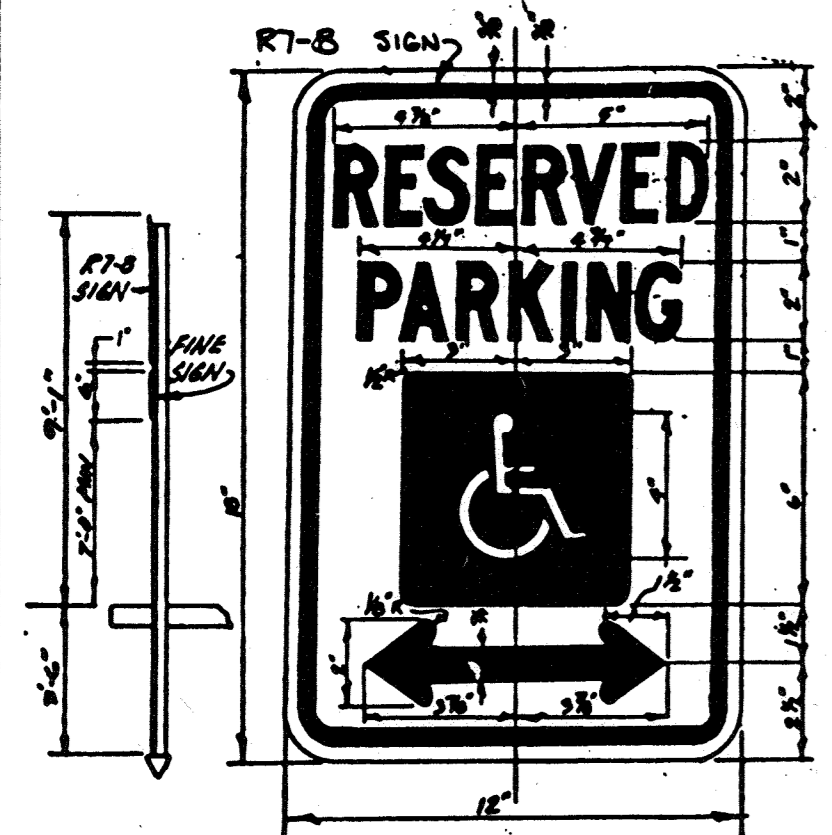
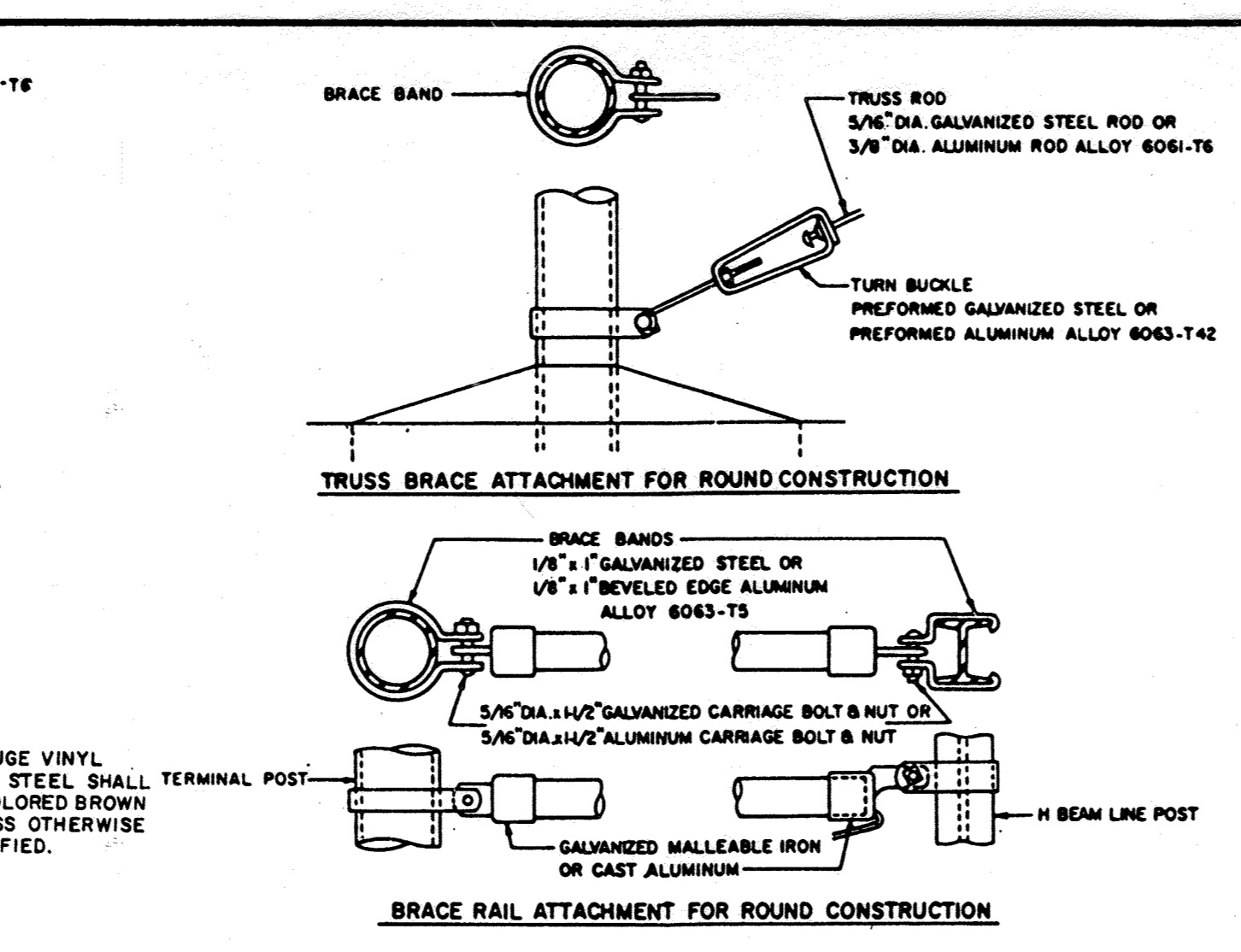
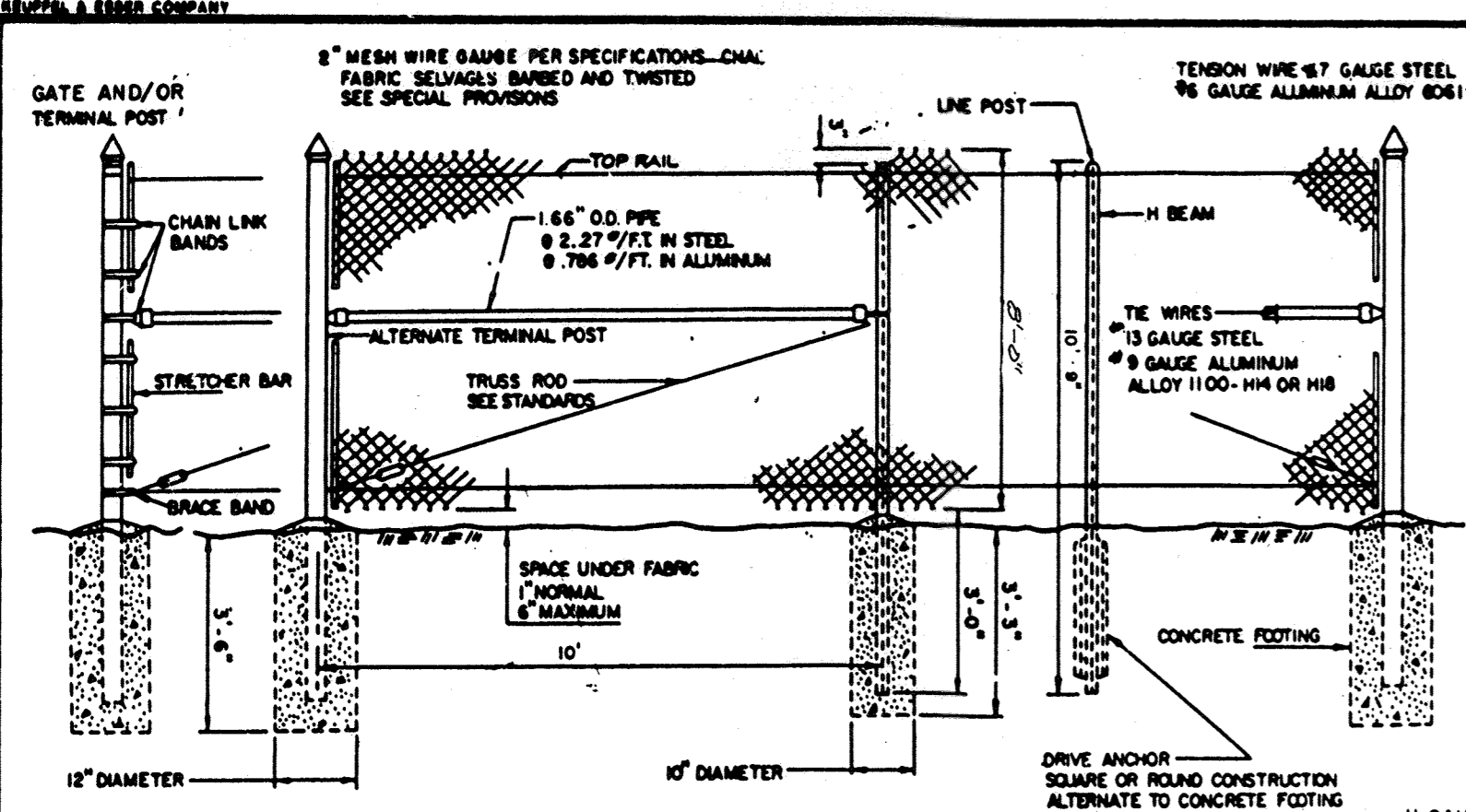
ADDRESS CHART:  
LOT NO. ADDRESS  
BATH HOUSE BLDG. A 11615 LITTLE PATUXENT PARKWAY

SUBDIVISION NAME: VILLAGE OF HICKORY RIDGE	SECT./AREA: 3/13	LOT/PARCEL NO.: 152 PARCEL 0-1
PLAT NO./BLOCK NO.: 10	TAX/ZONE MAP: 35	ELECT. DIST. CENSUS TR.: 5 6053.01
WATER CODE: E-27	SEWER CODE: 6592000	

NOTE: STORMWATER MANAGEMENT FOR THIS AREA HAS BEEN TAKEN INTO CONSIDERATION UNDER F-83-120 VILLAGE OF HICKORY RIDGE SECTION 3 AREA 1

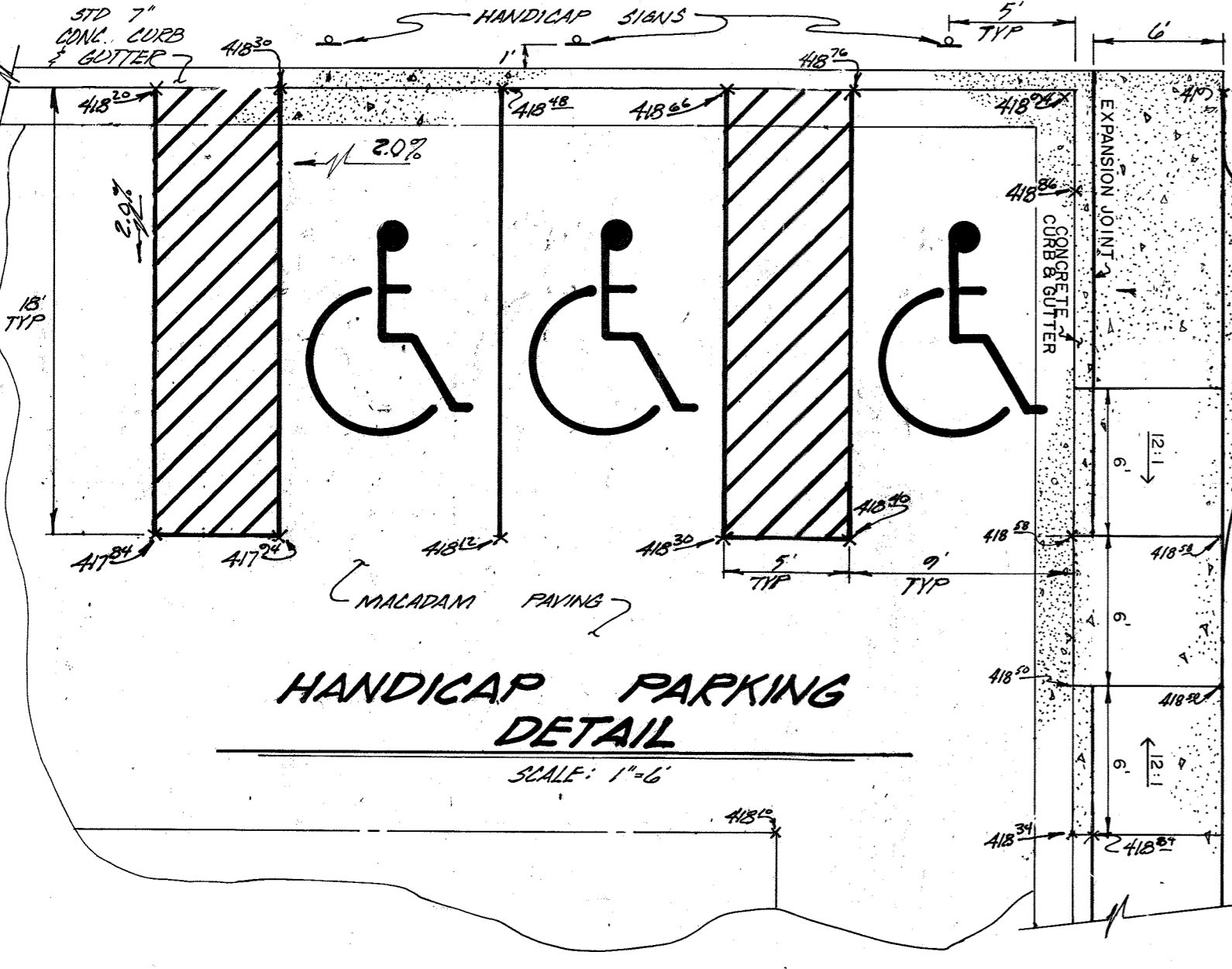


FINAL DEVELOPMENT PLAT FDP-181-A, PART V RECORDED 1989. RECORD PLAT RECORDED AS NO. ON 1989 KNOWN AS F-89-140.

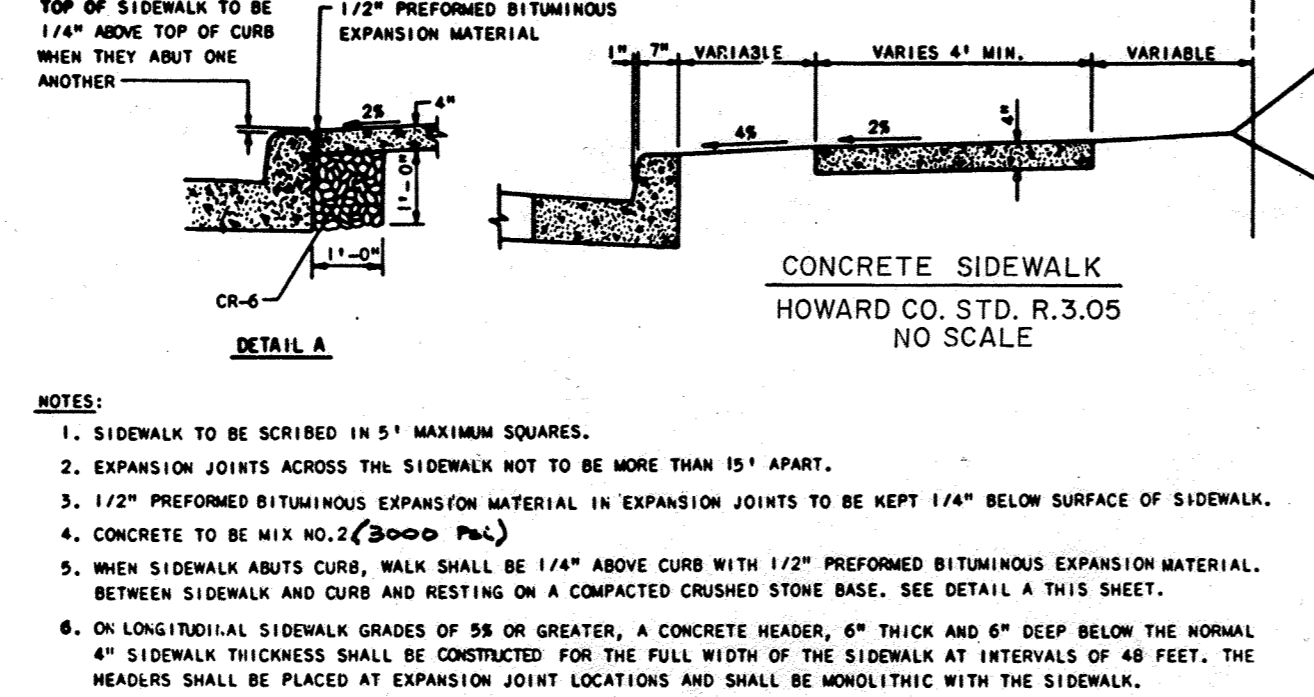
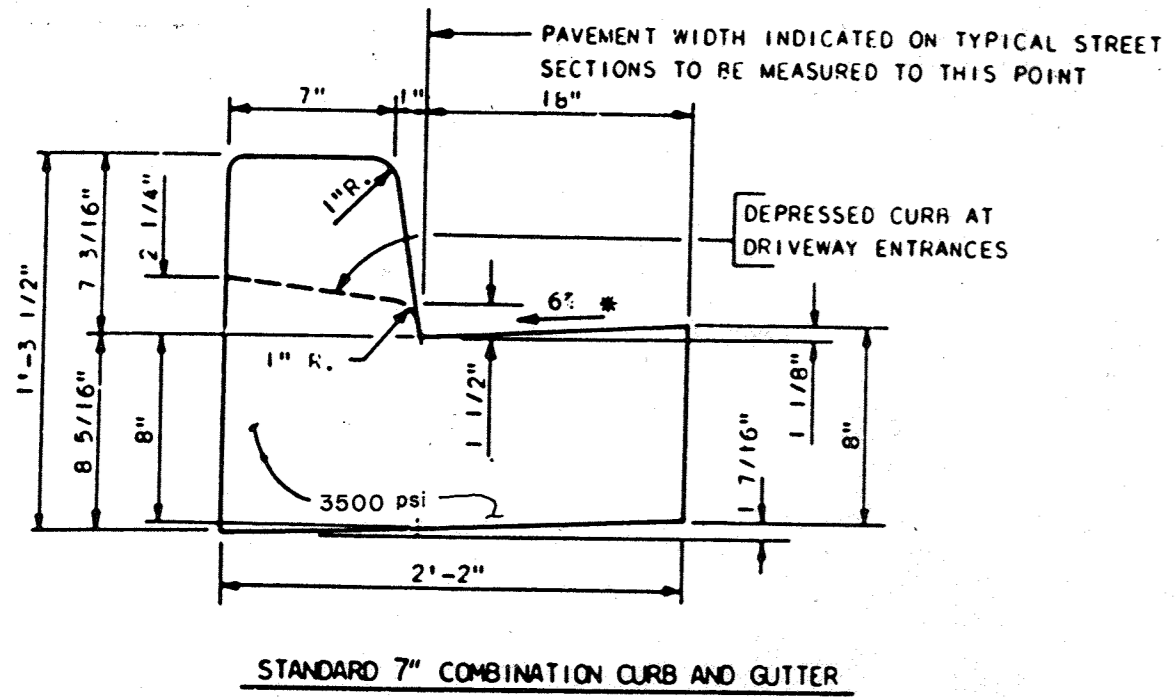


**RESERVED PARKING**  
 SIGN TO UTILIZE AN ALUMINUM BLANK 6" x 12" x 0.080 INCH THICK WITH TWO (2) SINGLE POST MOUNTING HOLES. THE TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THE RT-8 RESERVED PARKING SIGN AND THE BACKGROUND SHALL BE REFLECTIVE WHITE. THE TEXT SHALL BE 3" CHARACTERS.  
 MOUNTING:  
 THE ABOVE FINE SIGN SHALL BE MOUNTED UNDERNEATH THE BELOW RT-8 RESERVED PARKING SIGN. THE BOTTOM EDGE SHALL BE NO LESS THAN 7 FEET ABOVE GROUND. IF THE SIGN IS PLACED AGAINST A BUILDING, STRUCTURE OR OTHER LOCATION WHERE VEHICLE OR PEDESTRIAN TRAFFIC IS NOT OBSTRUCTED THE BOTTOM EDGE OF THE SIGN SHALL BE AT LEAST 6 FEET, BUT NO MORE THAN 10 FEET ABOVE GROUND. BECAUSE THIS IS IN ADDITION TO EXISTING SIGN INSTALLATIONS, SOME ADJUSTMENT IN HEIGHT WILL BE NECESSARY.  
 COLORS:  
 LEGEND AND BORDER - GREEN  
 WHITE SYMBOLS ON BLUE BACKGROUND  
 BACKGROUND - WHITE

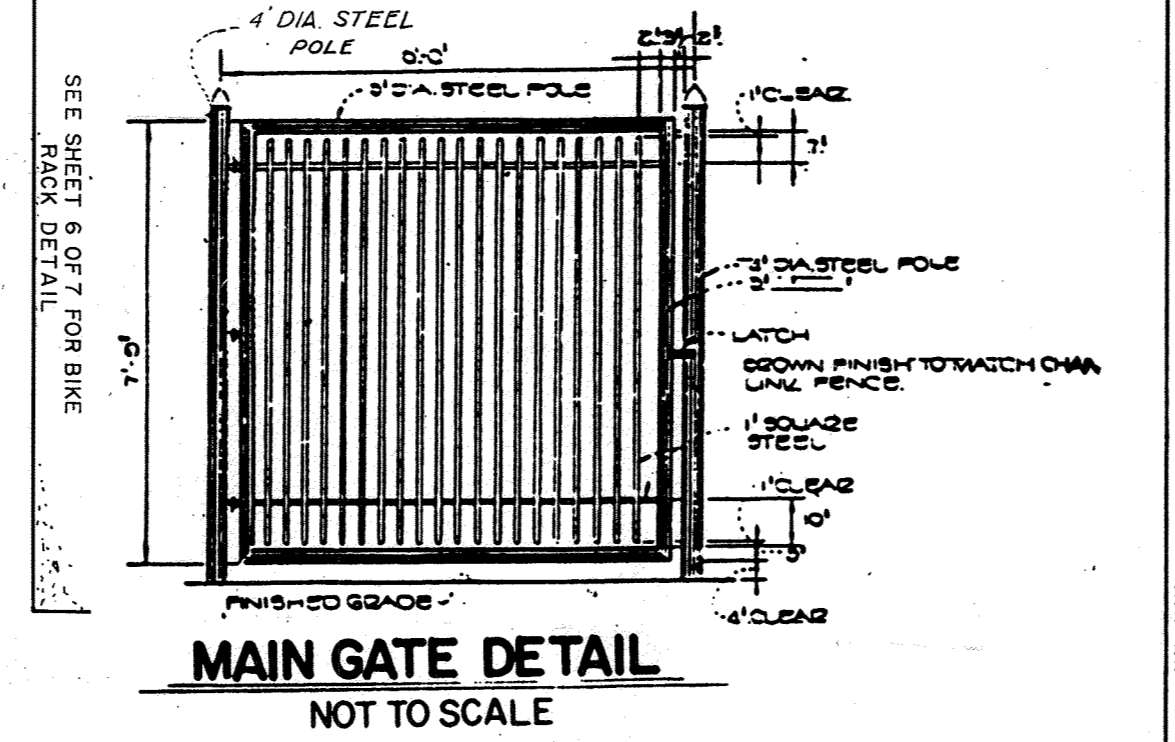
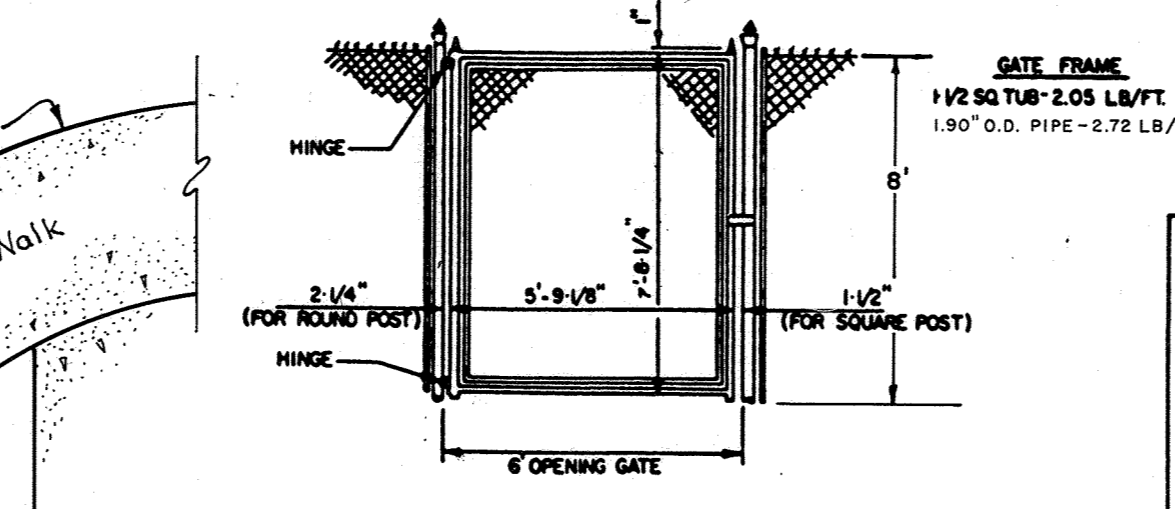
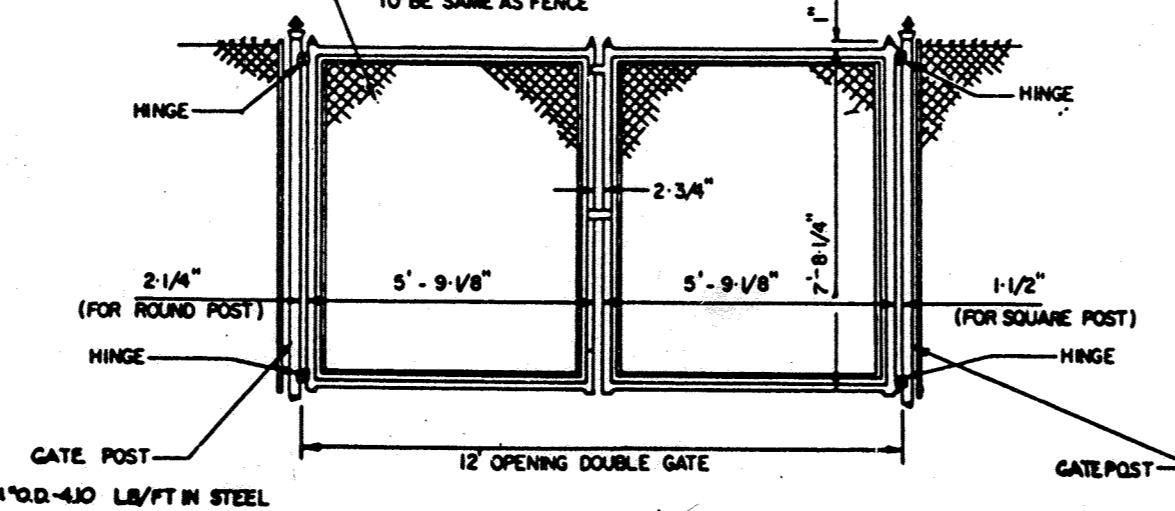
**HANDICAP SIGN DETAIL**  
 NOT TO SCALE



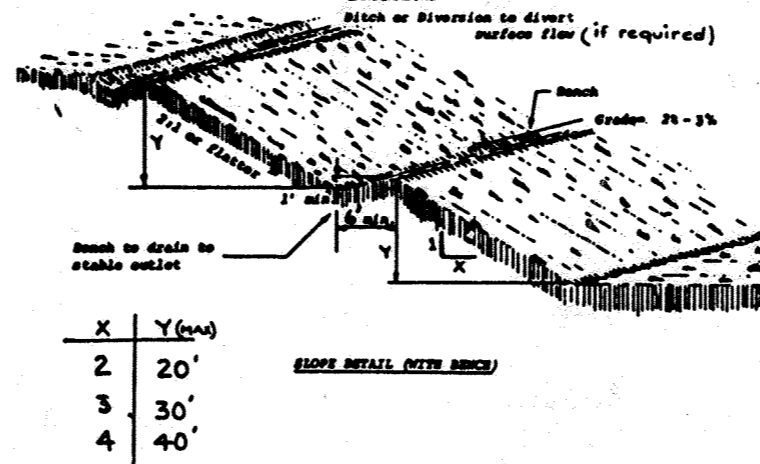
**HANDICAP PARKING DETAIL**  
 SCALE: 1/4" = 1'-0"



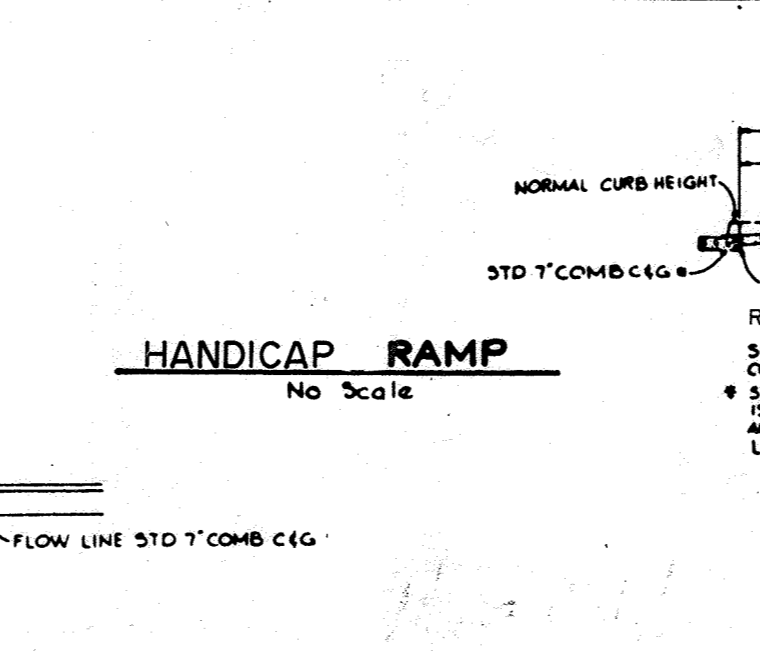
**NOTES:**  
 1. SIDEWALK TO BE SCRIBED IN 5" MAXIMUM SQUARES.  
 2. EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO BE MORE THAN 15' APART.  
 3. 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.  
 4. CONCRETE TO BE MIX NO. 2 (3000 PSI).  
 5. WHEN SIDEWALK ABUTS CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB AND RESTING ON A COMPACTED CRUSHED STONE BASE. SEE DETAIL A THIS SHEET.  
 6. ON LONGITUDINAL SIDEWALK GRADES OF 3% OR GREATER, A CONCRETE HEADER, 6" THICK AND 6" DEEP BELOW THE NORMAL 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 40 FEET. THE HEADERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.



**MAIN GATE DETAIL**  
 NOT TO SCALE



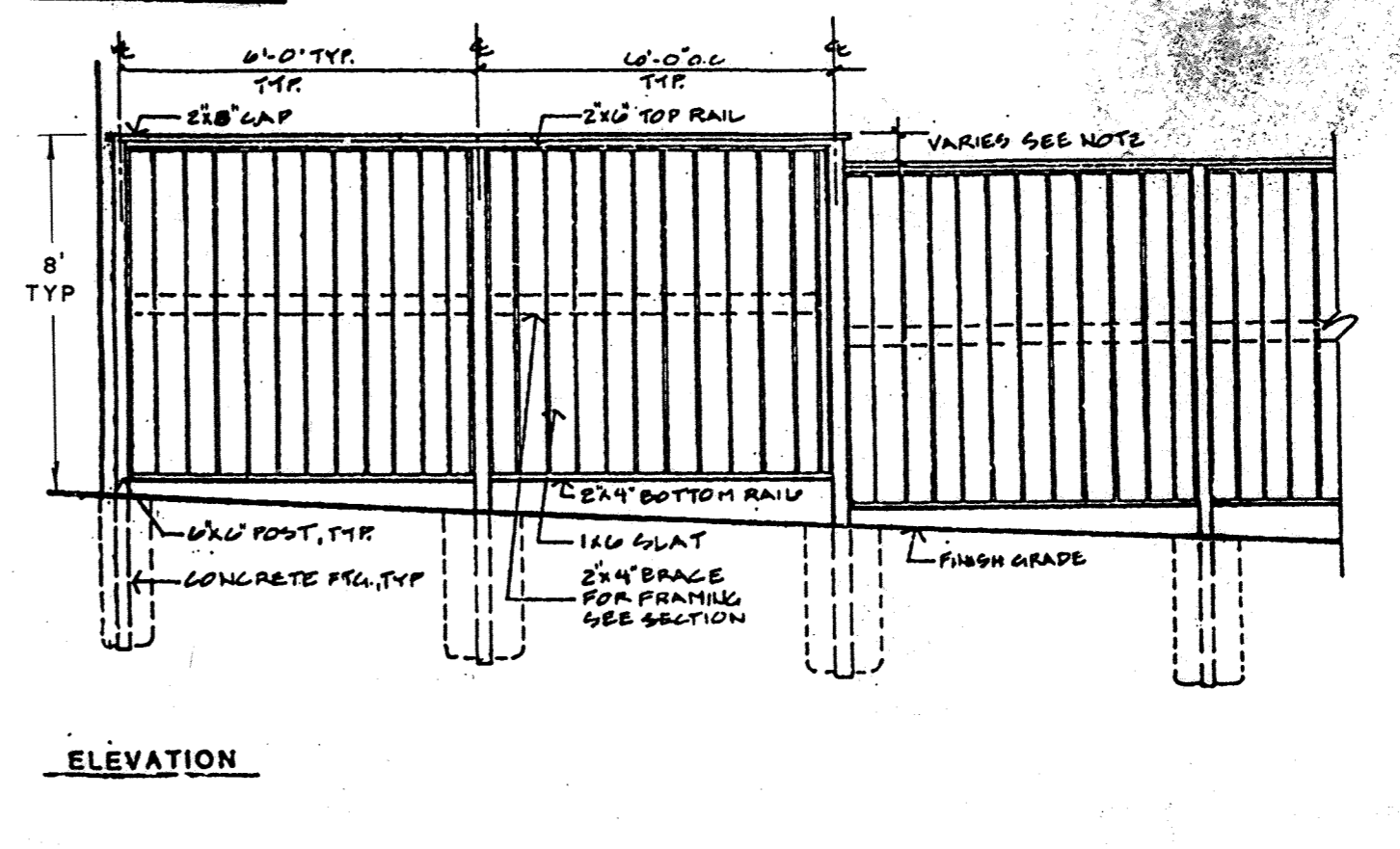
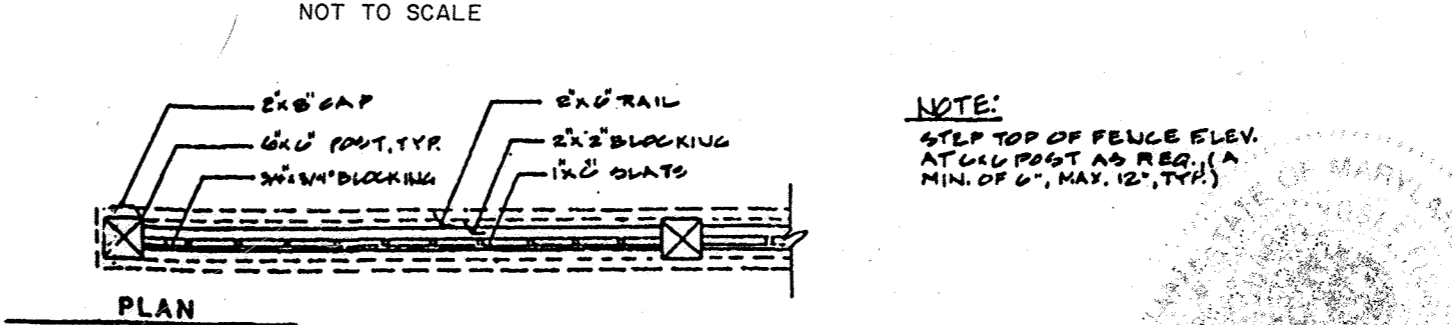
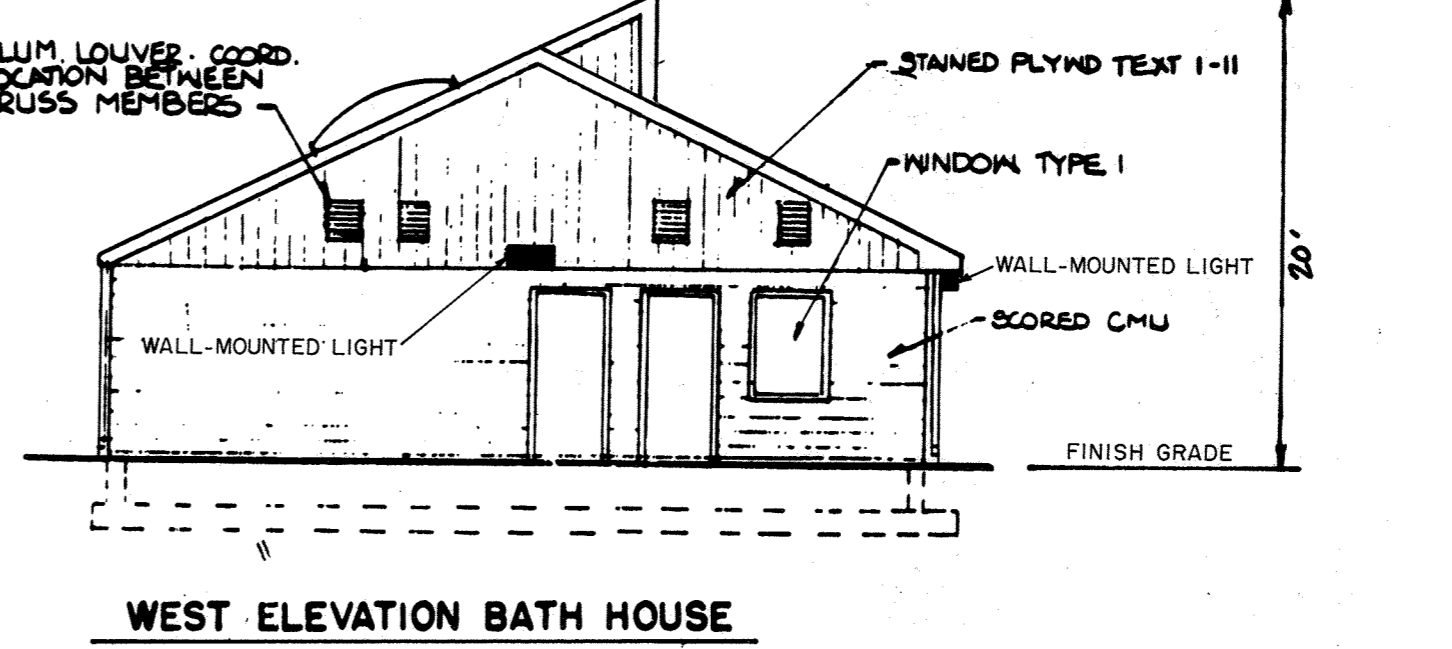
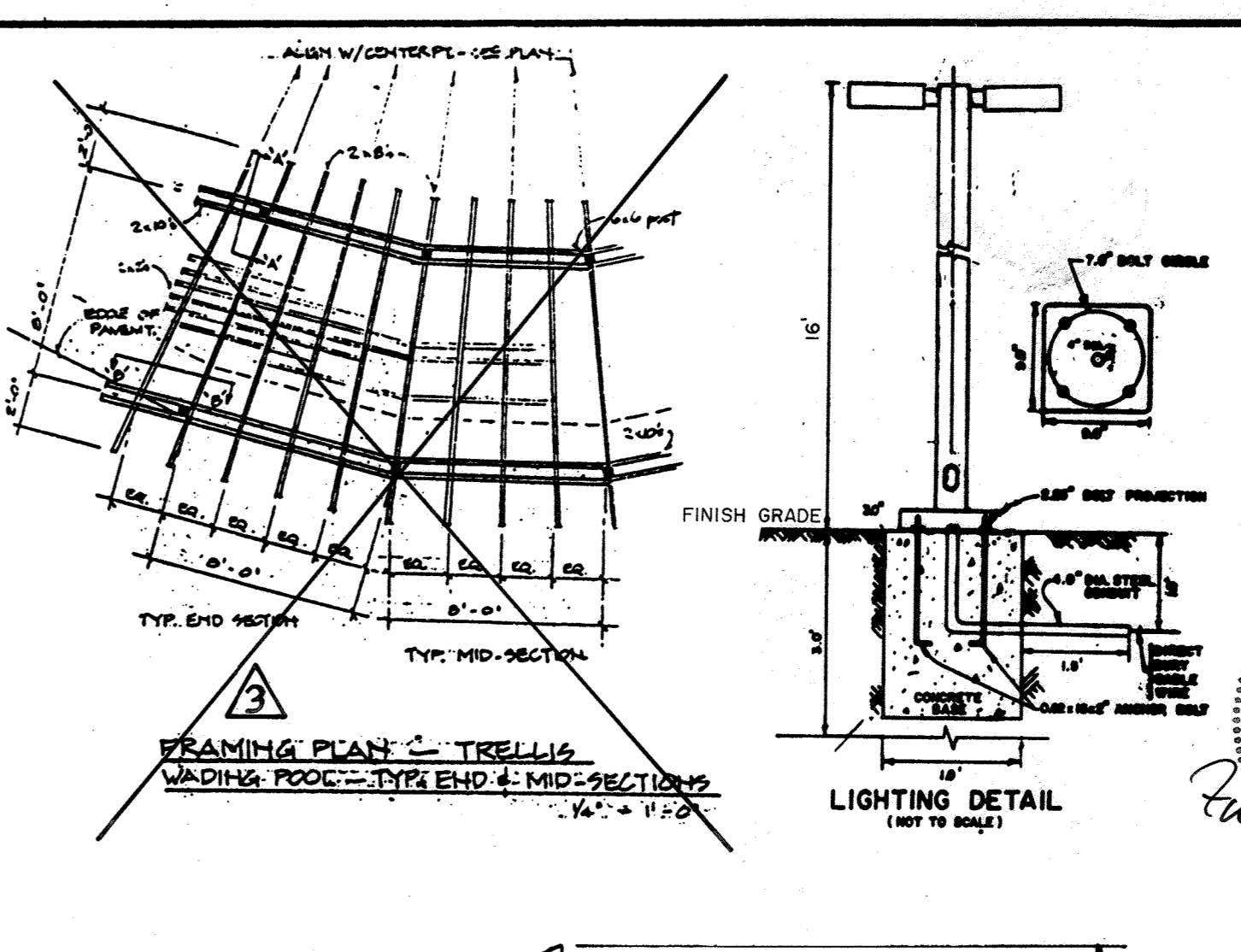
**WOOD SCREEN FENCE**  
 N.T.S.  
 CONSTRUCTION SPECIFICATIONS:  
 1. All graded or disturbed areas including slopes shall be protected during clearing and construction with the approved sediment control plan until they are permanently stabilized.  
 2. All sediment control structures shall be constructed and maintained in accordance with the approved sediment control plan and the "Sediment and Specifications for Soil Treatment and Sedimentation" document.  
 3. Topsoil required for the establishment of vegetation shall be stockpiled in mound necessary to complete finished grading of all opened areas.  
 4. Areas to be filled shall be cleared, grubbed and stripped of topsoil to remove trees, vegetation, stumps or other obstructions.  
 5. Areas which are to be topsoiled shall be certified to a minimum depth of three inches prior to placement of topsoil.  
 6. All fills shall be compacted as required to reduce erosion, slippage, settlement, subsidence or other related problems. Fill intended to support buildings, structures and pavements, etc., shall be compacted in accordance with local requirements or codes.  
 7. All fills to be placed and compacted in layers not to exceed 8 inches in thickness.  
 8. All fills of organic material, fill material shall be free of stumps, rocks, tree limbs, logs, stumps, building debris and other objectionable materials that would interfere with or prevent construction of the project.  
 9. Prime materials or soft, sandy or highly compressible materials shall not be incorporated into fills.  
 10. Fills shall not be placed on a frozen foundation.  
 11. All basins shall be kept free of sediment during all phases of development.  
 12. Some or sprays encountered during construction shall be handled in accordance with the Standards and Specifications for Stormwater Treatment or other approved methods.  
 13. All graded areas shall be permanently stabilized immediately following finishing grading. Stabilization, before areas and shall remain in place on the plan and shall be subject to the provisions of this Standard and Specifications.



**HANDICAP RAMP**  
 No Scale

PLAN  
 SECTION

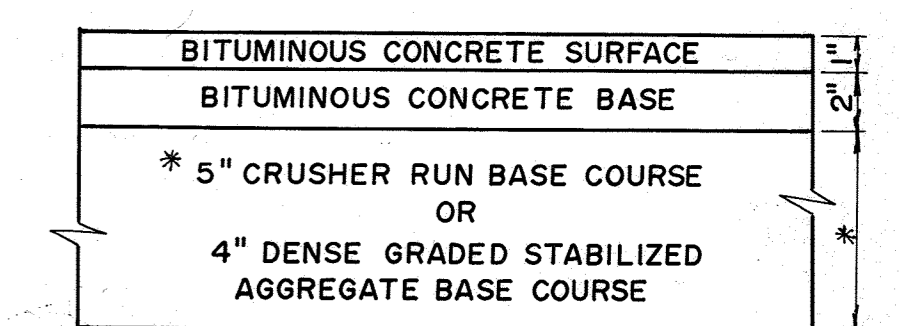
**STANDARD AND SPECIFICATIONS**  
 VEGETATIVE STABILIZATION WITH SOG  
**Definition**  
 Stabilizing sediment producing areas by establishing long-term stands of grass with sod.  
**Purpose**  
 To stabilize the soil; reduce damage from erosion and runoff to downstream areas; enhance natural beauty.  
**Conditions Where Practice Applies**  
 On exposed soils where a quick vegetative cover is desired; on sites which can be maintained with ground equipment (2:1 or flatter slopes).  
**SPECIFICATIONS**  
 1. Class of turfgrass sod shall be Maryland or Virginia State Certified, or Maryland or Virginia State approved sod.  
 2. Sod shall be machine cut at a uniform soil thickness of 3/4 inch, plus or minus 1/8 inch, at the time of cutting. Measurement for thickness shall exclude top growth and thatch.  
 3. Standard size sections of sod shall be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the section.  
 4. Individual pieces of sod shall be cut to the suppliers width and length. Maximum allowable deviation from standard widths and lengths shall be 5 percent. Broken pads and cores or uneven ends will not be acceptable.  
 5. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect its survival.  
 6. Sod shall be harvested, delivered and installed within a period of 36 hours. Sod not transplanted within this period shall be inspected and approved prior to its installation.  
**Site Preparation**  
 Fertilizer and lime application rates shall be determined by soil tests. Under unusual circumstances where there is insufficient time for a complete soil test, fertilizer and lime materials may be applied in amounts shown under A.  
 A. Prior to sodding, the surface shall be cleared of all trash, debris, and of all roots, brush, wire, grade stakes and other objects that would interfere with planting, fertilizing or maintenance operations.  
 B. Where the soil is acid or composed of heavy clays, ground limestone shall be spread at the rate of 2 tons/acre or 100 pounds per 1,000 square feet. In all soils 1,000 pounds per acre or 10 pounds per 1,000 square feet of 10-10-10 fertilizer or equivalent shall be uniformly applied and mixed into the top 3 inches of soil with the required lime.  
 C. All areas receiving sod shall be uniformly fine graded. Hard-packed earth shall be scarified prior to placement of sod.  
**Sod Installation**  
 A. During periods of excessively high temperature the soil shall be lightly irrigated immediately prior to laying the sod.  
 B. The first row of sod shall be laid in a straight line with subsequent rows laid parallel to and slightly wedged against each other. Lateral joints shall be staggered to promote more uniform growth and strength. Lateral joints shall be staggered and overlapped and that all joints are butted tight in order to prevent voids which would cause air drying of the roots.  
 C. On sloping areas where erosion may be a problem, sod shall be laid with the long edge parallel to the contour and with staggered joints. Secure the sod by tamping and pegging or other approved methods.  
 D. As sodding is completed in any one section, the entire area shall be rolled or tamped to insure solid contact of roots with the soil surface. Sod shall be watered immediately after rolling or tamping until the underside of the sod and soil surface below the sod are thoroughly wet. The operations of laying, tamping and irrigating for any piece of sod shall be completed within eight hours.  
**Sod Maintenance**  
 A. In the absence of adequate rainfall, watering shall be performed daily or as often as necessary during the first week and in sufficient quantities to maintain moist soil to a depth of 4 inches. Watering should be done during the heat of the day to prevent wilting.  
 B. After the first week, sod shall be watered as necessary to maintain adequate moisture and ensure establishment.  
 C. First mowing should not be attempted until sod is firmly rooted. No more than 1/3 of the grass leaf shall be removed by the initial cutting or subsequent cuttings. Grass height shall be maintained between 2 and 3 inches unless otherwise specified.  
 D. Maintenance of established sod should follow specifications outlined in table 34-1.



**WOOD SCREEN FENCE**  
 N.T.S.

**BY THE ENGINEER:**  
 "I 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."  
 JOHN HEINRICHS 12-23-88  
 ENGINEER: JOHN HEINRICHS DATE

**BY THE DEVELOPER:**  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 BEFORE BEGINNING THE PROJECT."  
 JOHN FOLLO 7/15/89  
 DEVELOPER DATE



**PAVING SECTION**  
 NOT TO SCALE

STATE OF MARYLAND  
 PROFESSIONAL ENGINEER  
 JOHN HEINRICHS  
 No. 14920

3-18-22 3 CROSSED-OUT TRELLIS DETAIL FSH  
 DATE NO. BY

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS  
 James M. Helms 7/21/87  
 US CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 Stephen J. Gule 7/21/87  
 HOWARD S.C.D. DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT  
 Joyce M. Bond 8/28/89  
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 [Signature] 9.5.89  
 PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS  
 [Signature] 8/25/89  
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 [Signature] 8/25/89  
 DIRECTOR DATE

4/17/89 2 PER WOUNDED CO. COMMENT DCS/REVL  
 2/14/89 7 PER COMMENTS H.L.D./M.L.L. J.P./M.E.  
 Date No Revision Description

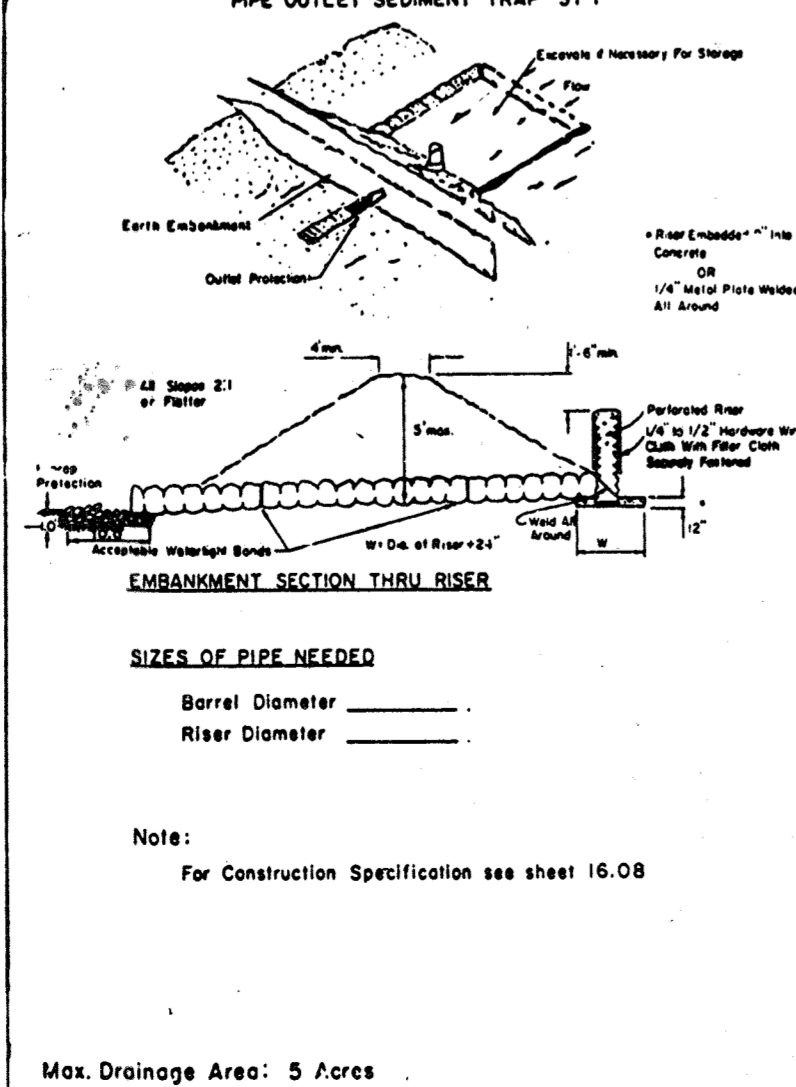
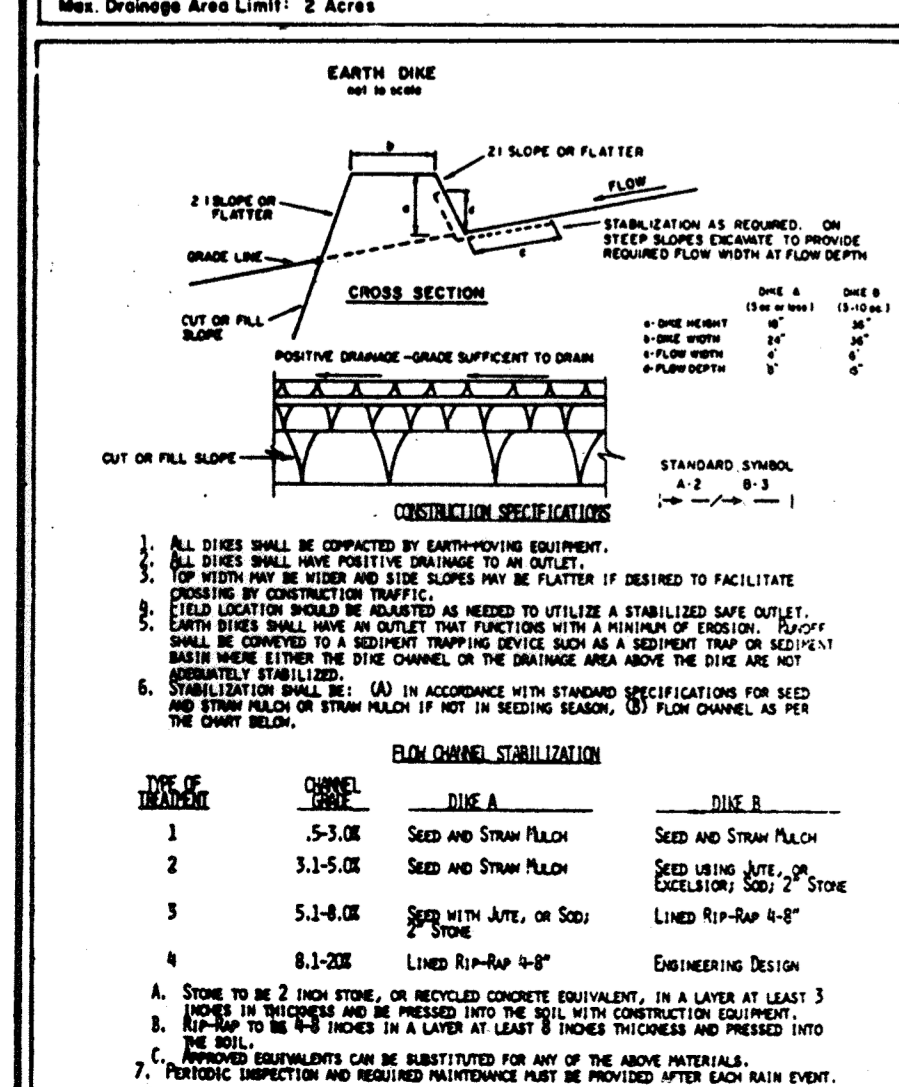
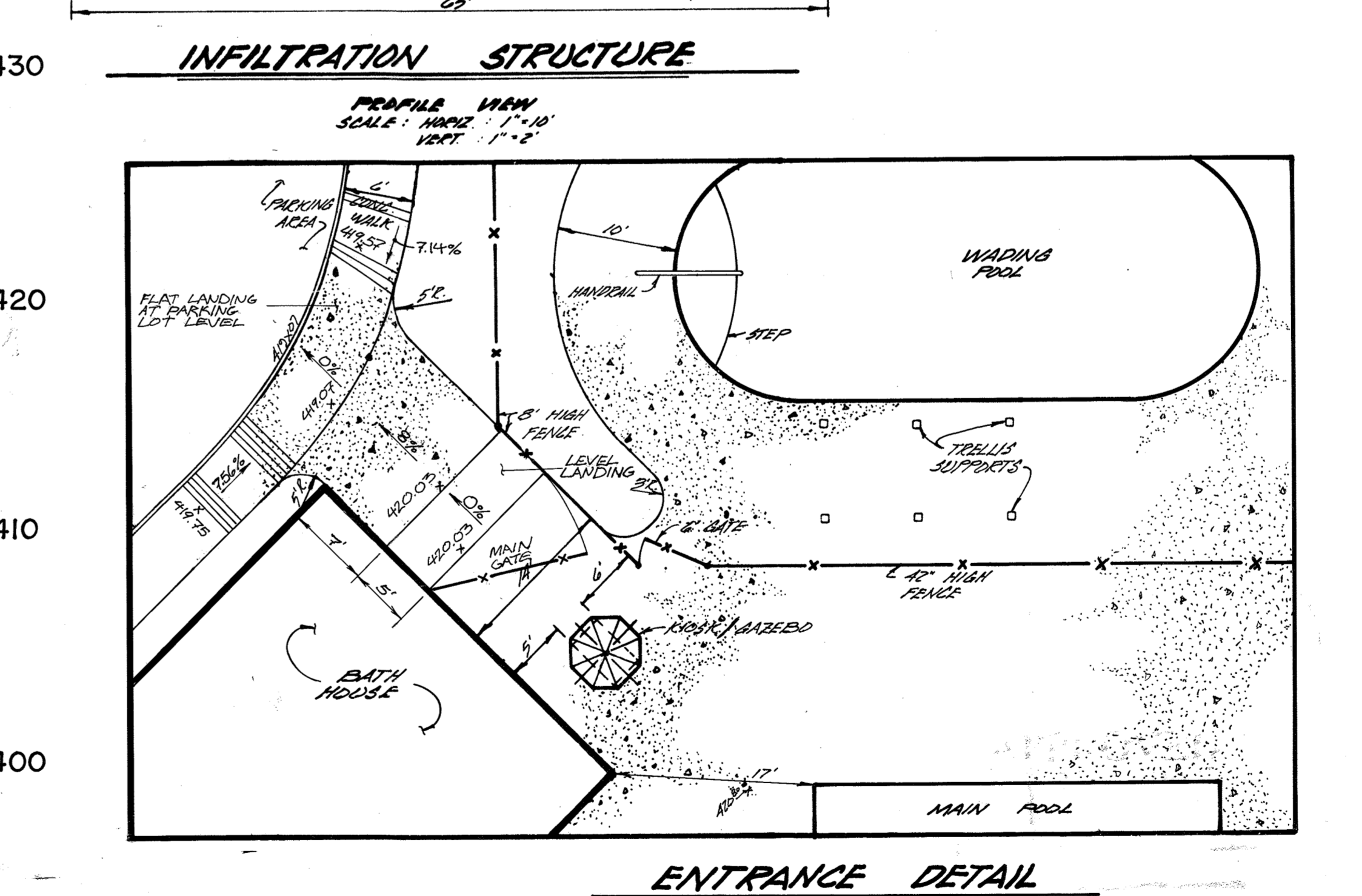
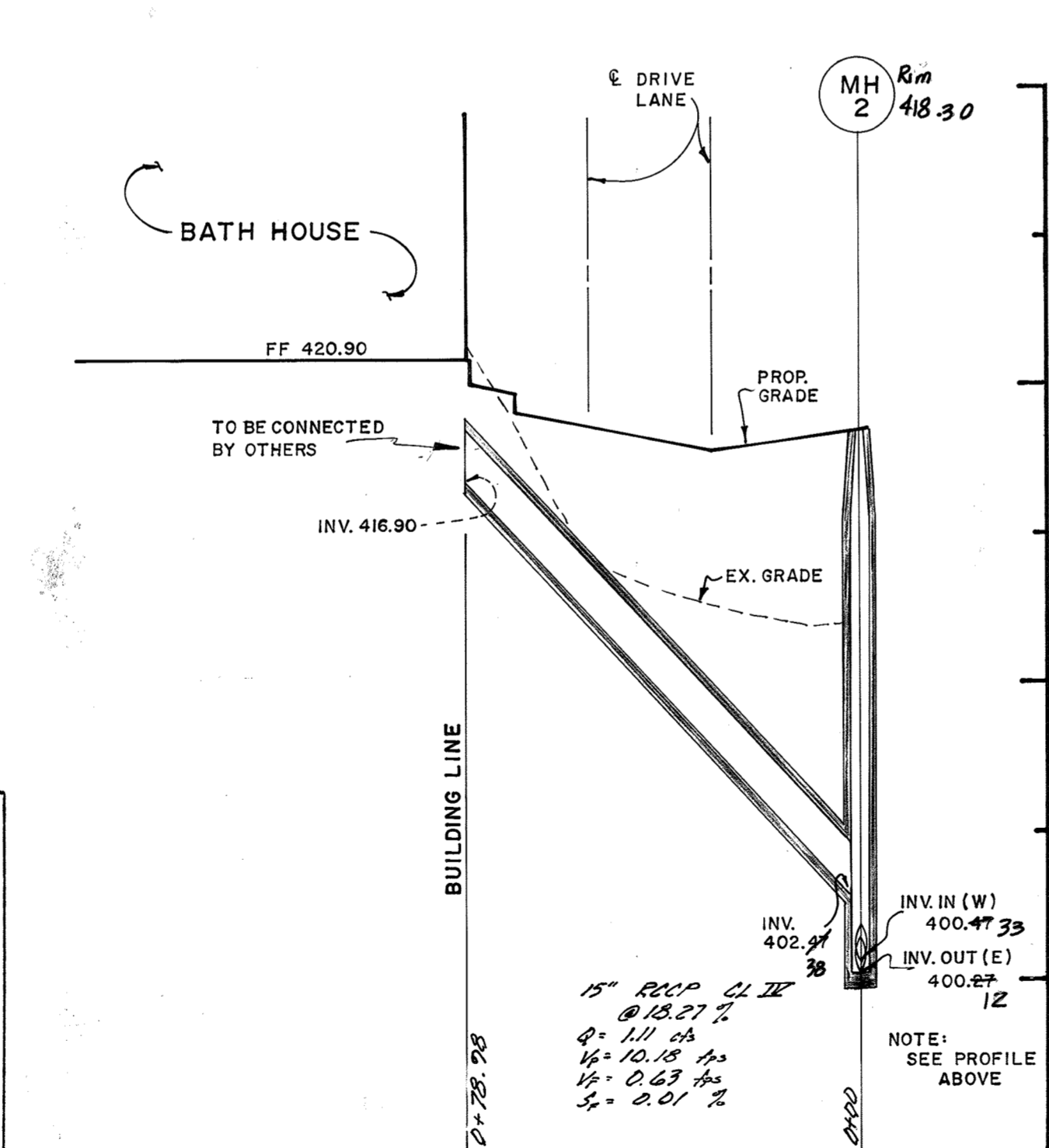
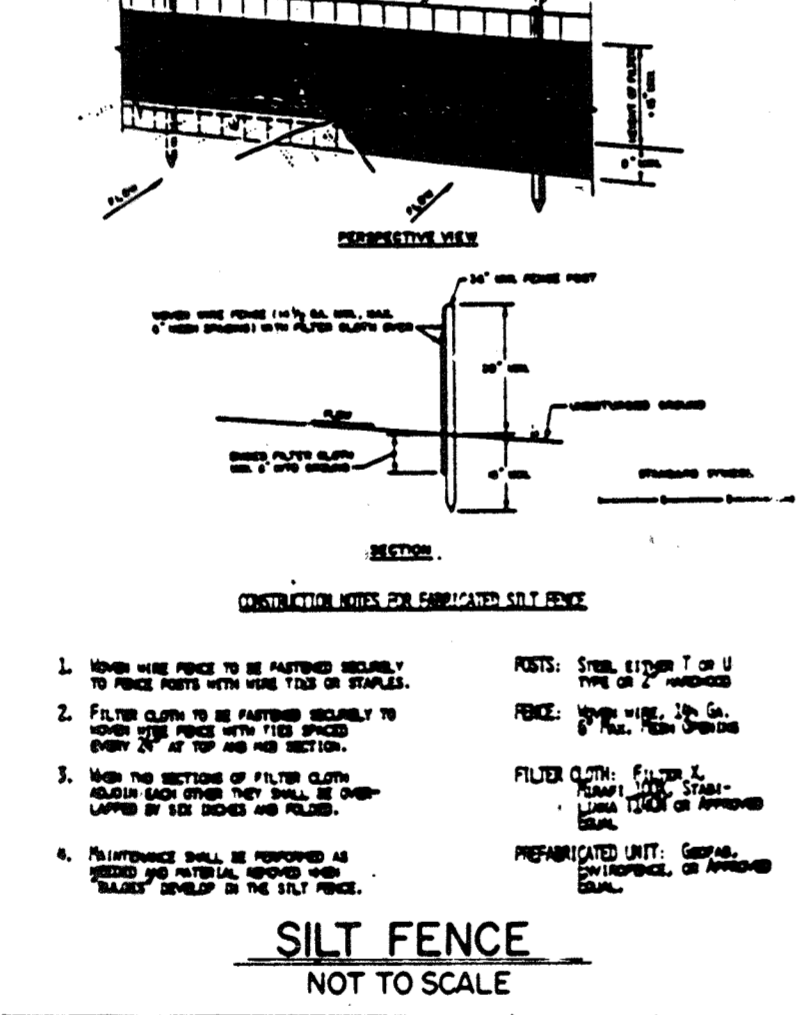
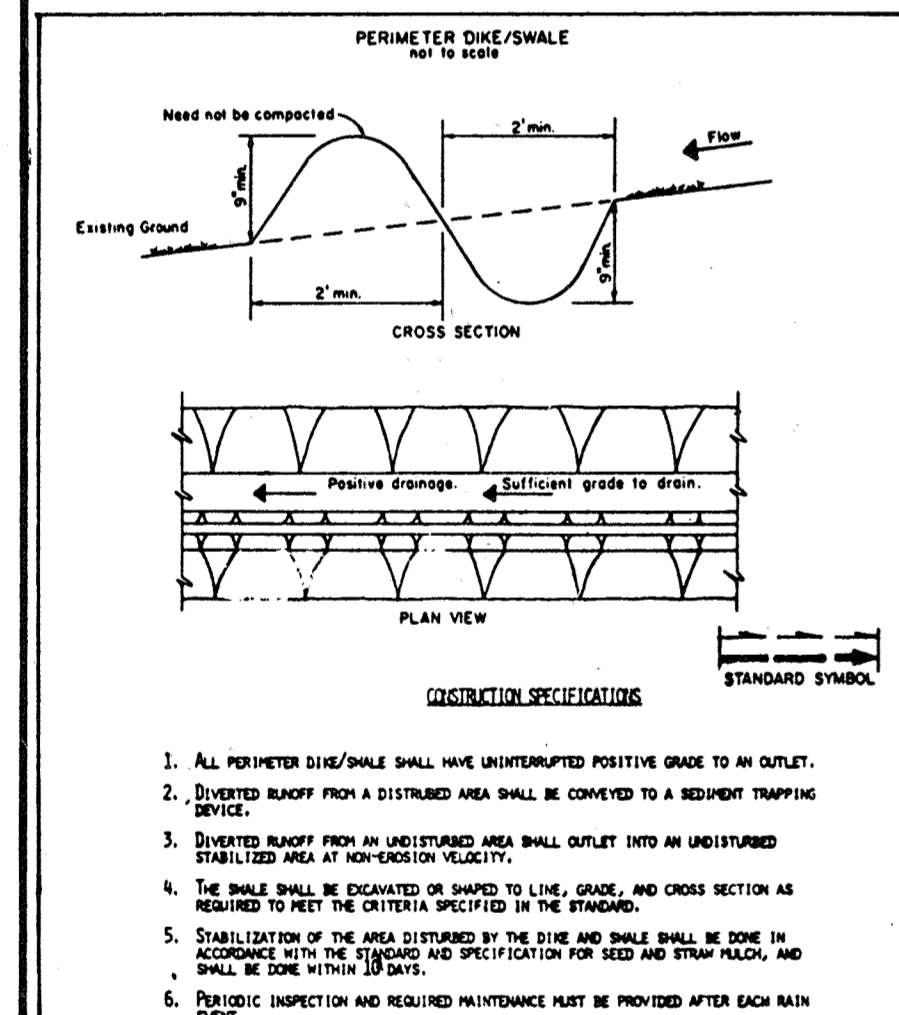
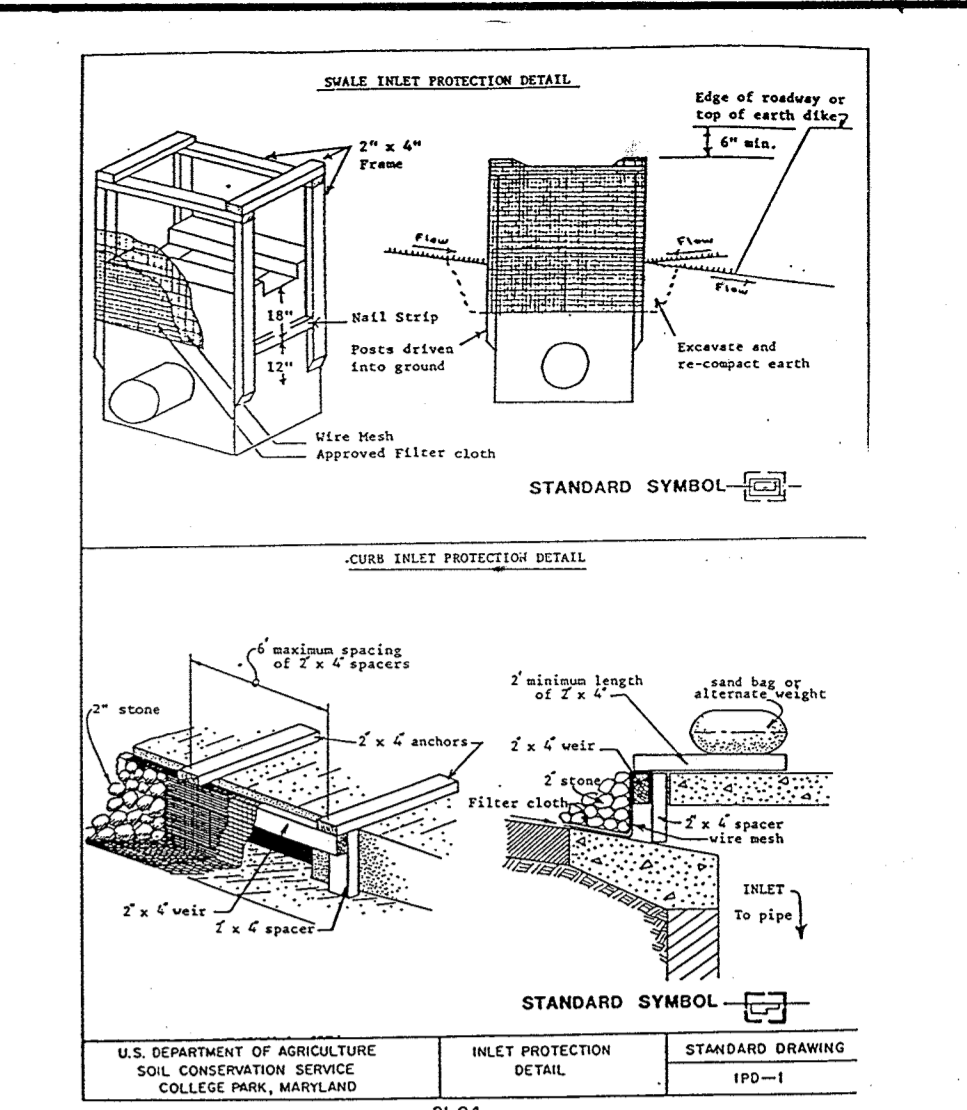
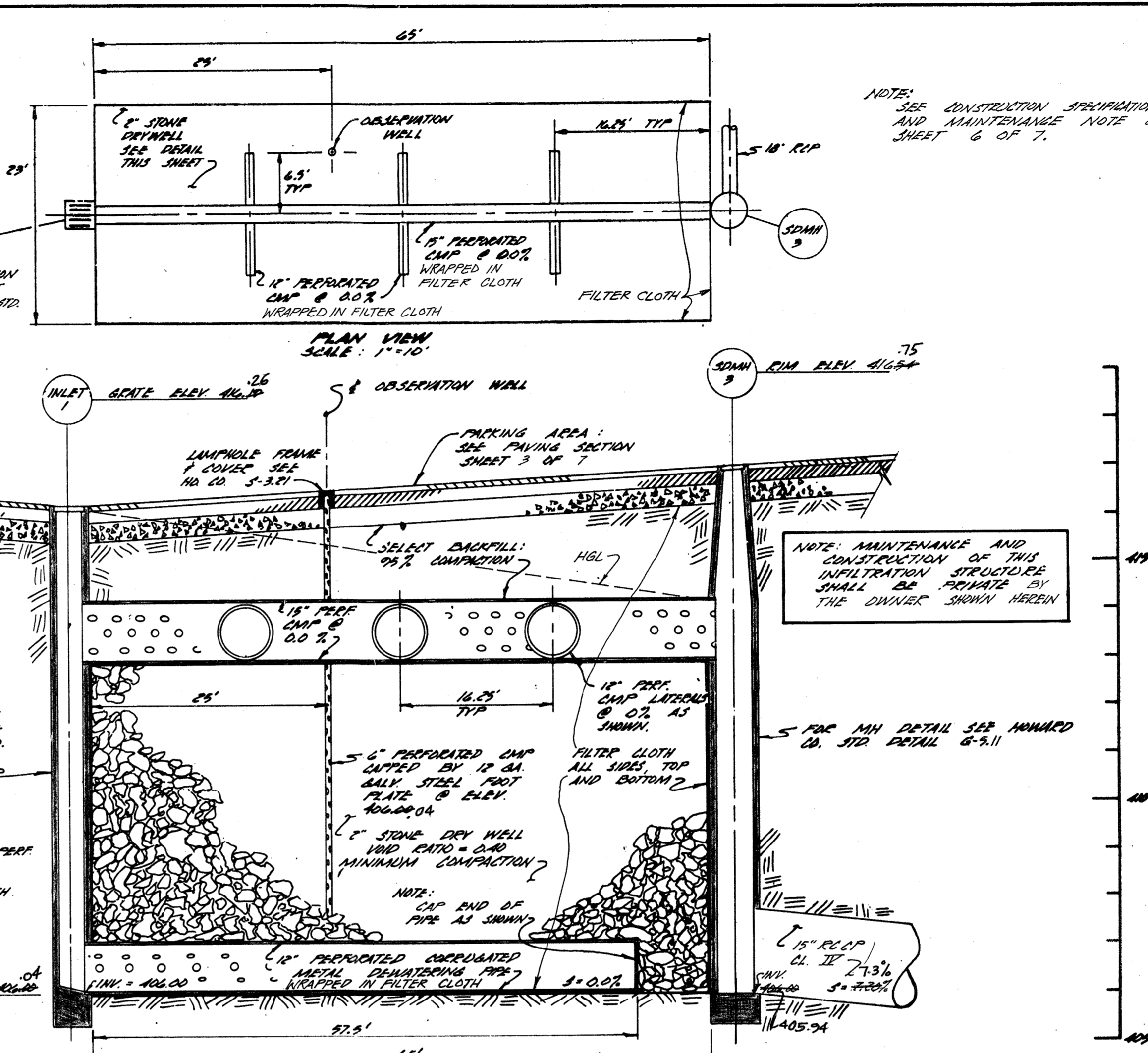
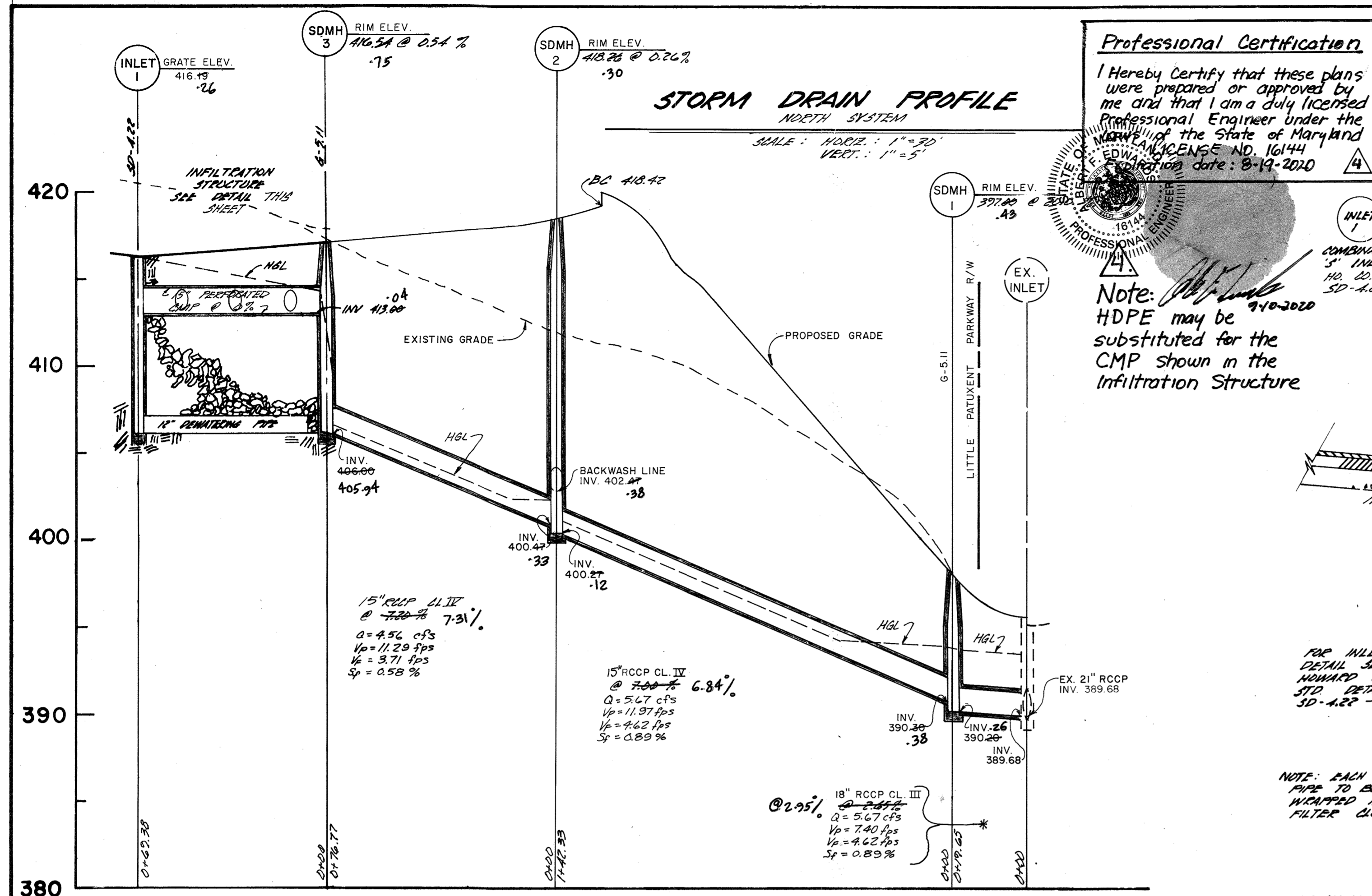
OWNER/DEVELOPER  
 HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY AND LITTLE ADVENTURE TRAVEL COLUMBIA, MARYLAND  
 COLUMBIA ASSOCIATION AND SOUTHERN RIVER AND ROLL MOUTH COLUMBIA, MARYLAND  
**CLARY'S FOREST NEIGHBORHOOD POOL**

**CENTURY ENGINEERING, INC.**  
 CONSULTING ENGINEERS • PLANNERS  
 32 WEST ROAD  
 TOWSON, MARYLAND 21204

AREA  
 CROSSLAND PLANT RESEARCH #7050 VILLAGE OF HICKORY RIDGE SECTION 3 - AREA 19 107' x 122' PARCEL 0-1 1/2 BLANTON DISTRICT HOWARD COUNTY, MARYLAND

TITLE  
**DETAIL SHEET**

Des By JP Scale AS SHOWN Proj No CB-030  
 Dwn By MAG Date 12-23-88 Drawing No.  
 Chk By JPS Approved JRH 2 OF 7



**AS-BUILT ENGINEER'S CERTIFICATE BACKWASH PROFILE**

I hereby certify that the storm drain and stormwater management facilities shown on this plan were constructed as shown on 'as built plan' and meet the approved plans and specifications.

BY THE ENGINEER:  
 John Heinrich  
 7-18-89  
 ENGINEER: JOHN HEINRICH DATE

BY THE DEVELOPER:  
 [Signature]  
 7-18-89  
 DEVELOPER: [Signature] DATE

Date	No.	Revision Description
2-25-2020	1	added pipe material alternate for the SWM
3-15-90	3	REVISED CONE ENTRANCE

**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY

DATE: 4-12-89  
LKS

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

James M. Helms 7/18/89  
U.S. CONSERVATION SERVICE DATE

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

Stephen L. Shubert 7/21/87  
HOWARD S.C.D. DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. [Signature] 8/28/89  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

[Signature] 9-21-89  
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

[Signature] 8/25/89  
DIRECTOR DATE

DC-20000-2-21-89 2-14-89  
CHIEF, BUREAU OF ENGINEERING DATE

Date	No.	Revision Description
4/17/89	2	PER HOWARD CO. COMMENTS DCS/ML
8/1/89	1	HOWARD CO. APPROVE 2017 20

OWNER/DEVELOPER  
 HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY  
 14715 LITTLE PATENT PIKE  
 COLUMBIA, MARYLAND 21044

COLUMBIA ASSOCIATION  
 2017 2017  
 ONE RYAN LANE  
 COLUMBIA, MARYLAND 21044

**CLARY'S FOREST NEIGHBORHOOD POOL**

**CENTURY ENGINEERING, INC.**  
CONSULTING ENGINEERS • PLANNERS  
32 WEST ROAD  
TOWSON, MARYLAND 21284

AREA: 0.0000 ACRES  
 VILLAGE OF HICKORY RIDGE  
 SECTION 5 - AREA 19  
 101' 15" - PARCEL 0'-1'  
 10' ELECTRON DISTRICT  
 HOWARD COUNTY, MARYLAND

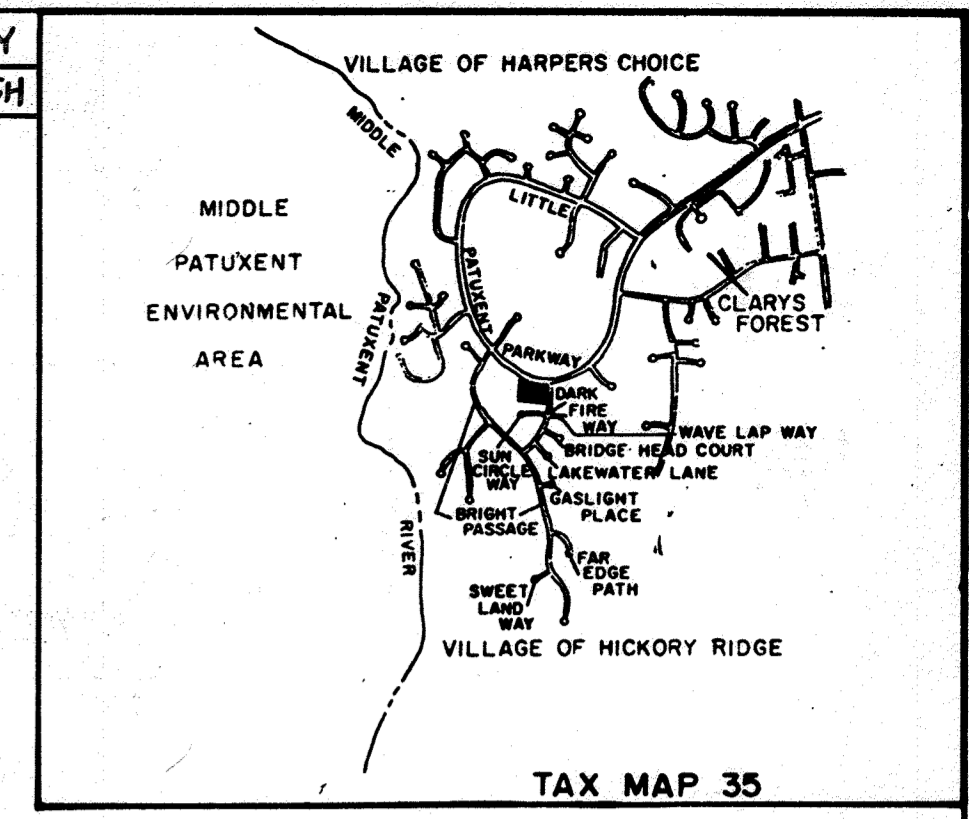
**DETAIL SHEET**

Des By JP	Scale AS SHOWN	Proj No 88-030
Drn By MAB	Date 12/28/88	Drawing No.
Chk By DDS	Approved JCH	4 OF 7

809-89-125

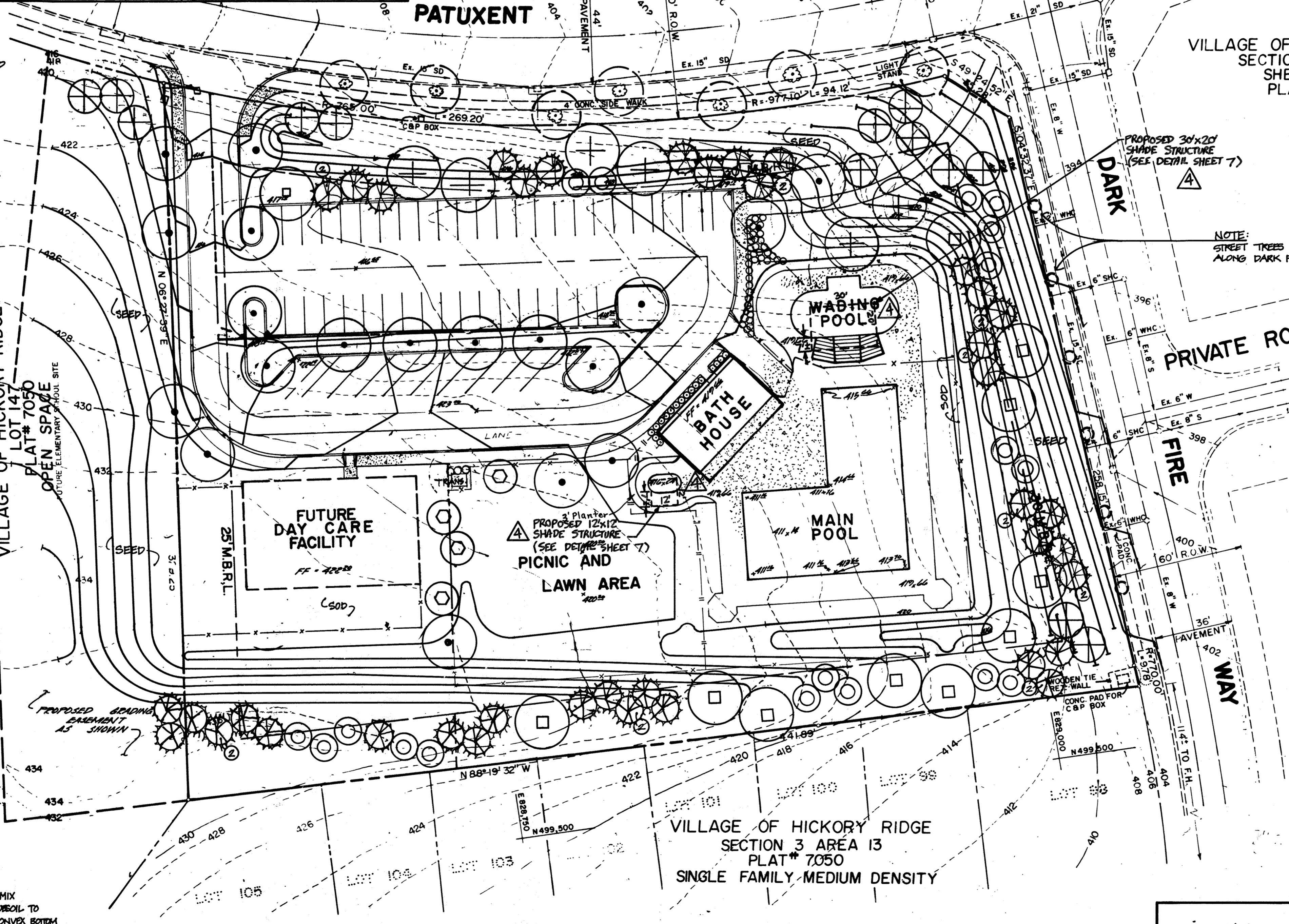
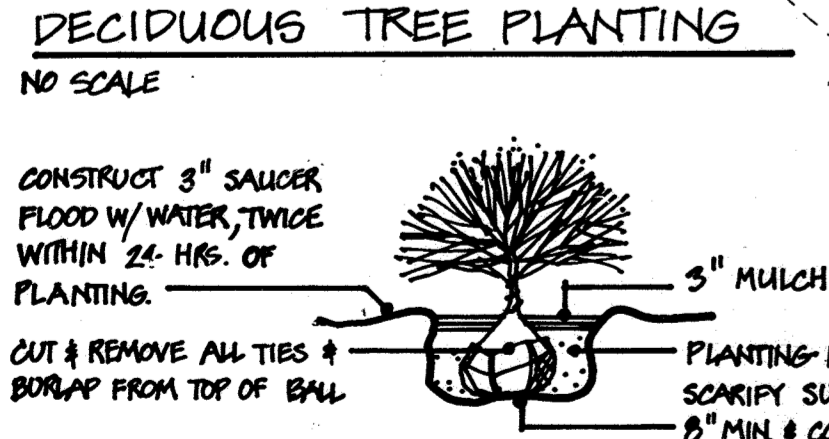
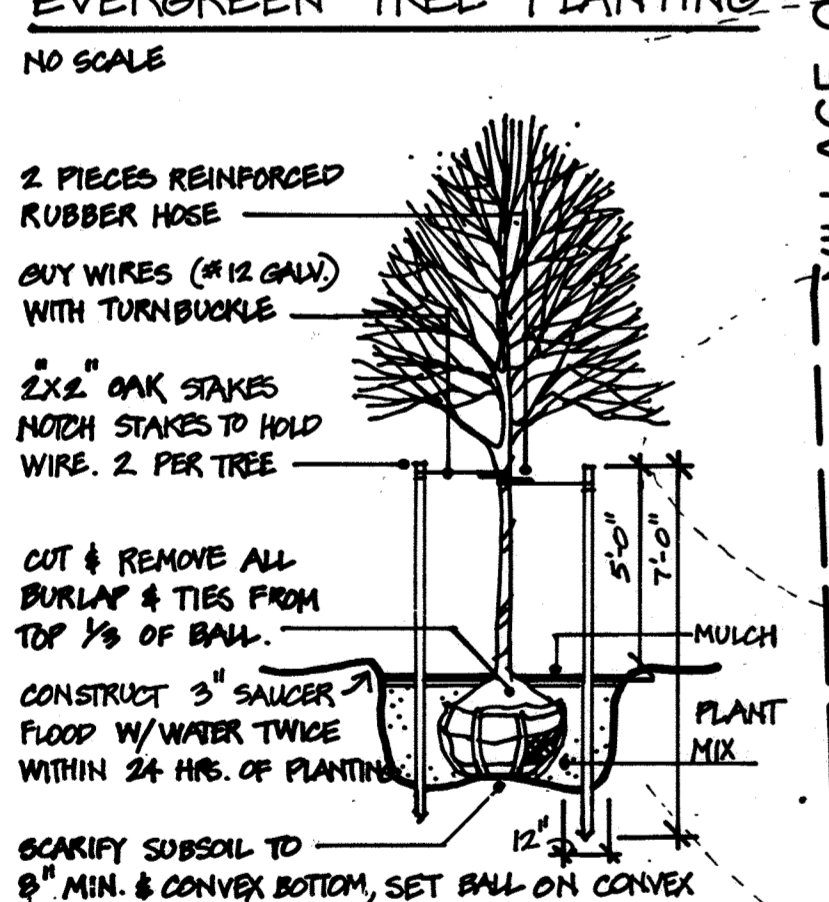
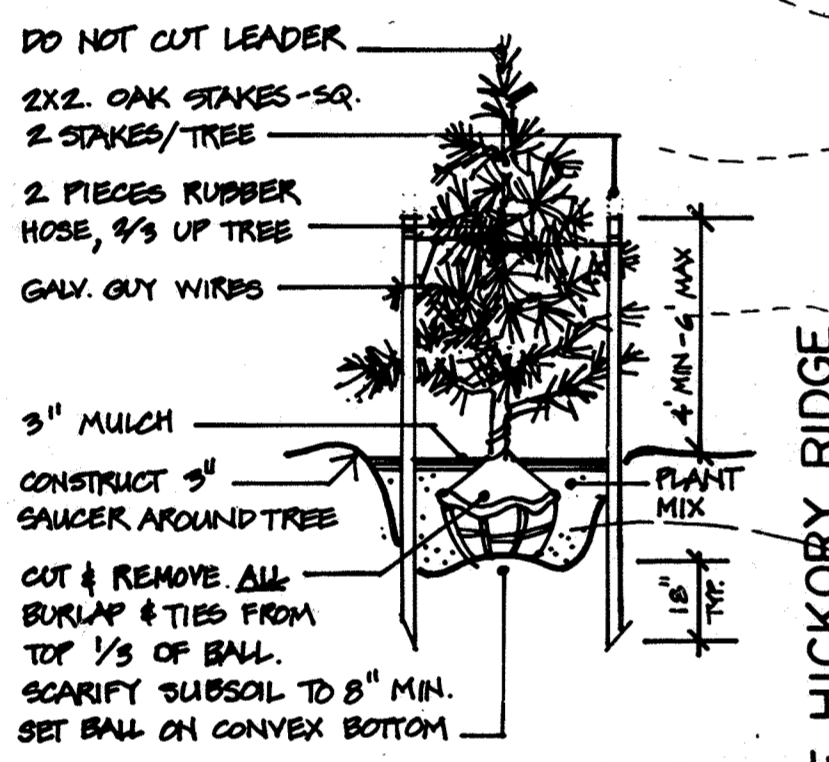
SYMBOL	QUAN.	PLANT NAMES	SIZE	CONDITION	REMARK
⊙	19	ACER RUBRUM RED MAPLE	2 1/2" - 3" CAL. 14' - 16' HT.	B & B	
⊙	4	CRATAEGUS VIRIDIS 'WINTER KING' WINTER KING HAWTHORN	2 - 2 1/2" CAL. 8' - 10' HT.	B & B MATCHED	
⊕	13	MAGNOLIA X SOULANGIANA SAUCER MAGNOLIA	8' - 10' HT.	B & B TREE FORM	H.V.Y.
⊙	10	PICEA ABIES NORWAY SPRUCE	5' - 6' HT.	B & B	10' - 12' O.C.
⊙	30	PINUS STROBUS WHITE PINE	6' - 8' HT.	B & B FULL	10' - 12' O.C.
⊙	9	PINUS STROBUS WHITE PINE	6' - 10' HT.	B & B FULL	10' - 12' O.C.
⊕	6	PLATANUS X ACERIFOLIA LONDON PLANE TREE	2 - 2 1/2" CAL. 12' - 14' HT.	B & B	
⊙	10	QUERCUS PALUSTRIS PIN OAK	2 - 2 1/2" CAL. 12' - 14' HT.	B & B	
⊙	13	EUONYMUS ALATA COMPACTA COMPACT BURNING BUSH	24 - 30" HT.	B & B	3' O.C.
⊙	17	TAXUS X MEDIA 'PENSIFORMIS' PENSIFORMIS YEW	24 - 30" HT.	B & B	3' O.C.

DATE	NO.	REVISION	BY
3-18-22	4	ADDED 2 SHADE STRUCTURES.	FSH



VICINITY MAP  
SCALE 1" = 2000'

- NOTE:
- ALL PLANTS TO BE LOCATED IN THE FIELD BY THE LANDSCAPE ARCHITECT.
  - CONTRACTOR SHALL SEED OR SOD ALL DISTURBED AREAS. ALL AREAS WITHIN FENCES TO BE SOD.
  - THE CONTRACTOR SHALL CALL 'MISS UTILITY' (1-800-287-7777) A MINIMUM OF 72 HOURS IN ADVANCE OF CONSTRUCTION/PLANTING.
  - GROUND LINE FOR ALL PLANT MATERIAL SHALL BE THE SAME AS IN NURSERY.
  - NOTIFY LANDLORD/OWNER 48 HRS. TO PLANTING



VILLAGE OF HICKORY RIDGE  
SECTION 3 AREA 13  
SHEET 3 OF 7  
PLAT # 7090

NOTE:  
STREET TREES RECOMMENDED  
ALONG DARK FIRE WAY.

APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 4-12-89  
LWS.

REVIEWED FOR HOWARD COUNTY	S C D
AND MEETS TECHNICAL REQUIREMENTS	
James M. Helm	7/21/89
U.S. CONSERVATION SERVICE	DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT	
Howard L. Jones	7/21/89
HOWARD S.C.D.	DATE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY DEPARTMENT	
James M. Bond	8/28/89
COUNTY HEALTH OFFICER	DATE
APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING	
William J. ...	9.5.89
PLANNING DIRECTOR	DATE
Mark S. ...	8/19/89
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS	
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
James M. ...	8/28/89
DIRECTOR	DATE
William J. ...	8-14-89
CHIEF, BUREAU OF ENGINEERING	DATE
5-12-89	Revised Planting per HPO cw/dhs
4-17-89	PER HOWARD CO. COMMENTS DDS/EHL
Date	Revision Description
OWNER/DEVELOPER	
HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY	COLUMBIA ASSOCIATION
10275 LITTLE PATUXENT PKWY	21045
COLUMBIA, MARYLAND 21044	(301) 730-2616
PARCEL 0	LOT 146

<b>CLARY'S FOREST NEIGHBORHOOD POOL</b>	
CENTURY ENGINEERING, INC.	
CONSULTING ENGINEERS • PLANNERS	
32 WEST ROAD	
TOWSON, MARYLAND 21204	
AREA	RECORD PLAT REFERENCE NO. 7090
	VILLAGE OF HICKORY RIDGE
	SECTION 3, AREA 13, LOT 152 PARCEL 0-1
	ELECTION DISTRICT NO. 5
	HOWARD COUNTY, MD
TITLE	<b>LANDSCAPE PLAN</b>
Des By JP	Scale 1" = 30'
Des By MAG	Date DEC. 23, 1988
Chk By DDS	Approved JRH
Proj No 88-030	Drawing No. 2 OF 7

CONTRACTOR  
METROPOLITAN CONTRACTING CO.  
6813 GOLDEN RING ROAD  
BALTIMORE, MARYLAND 21237  
(301) 575-7515

BY THE ENGINEER:  
"I 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."

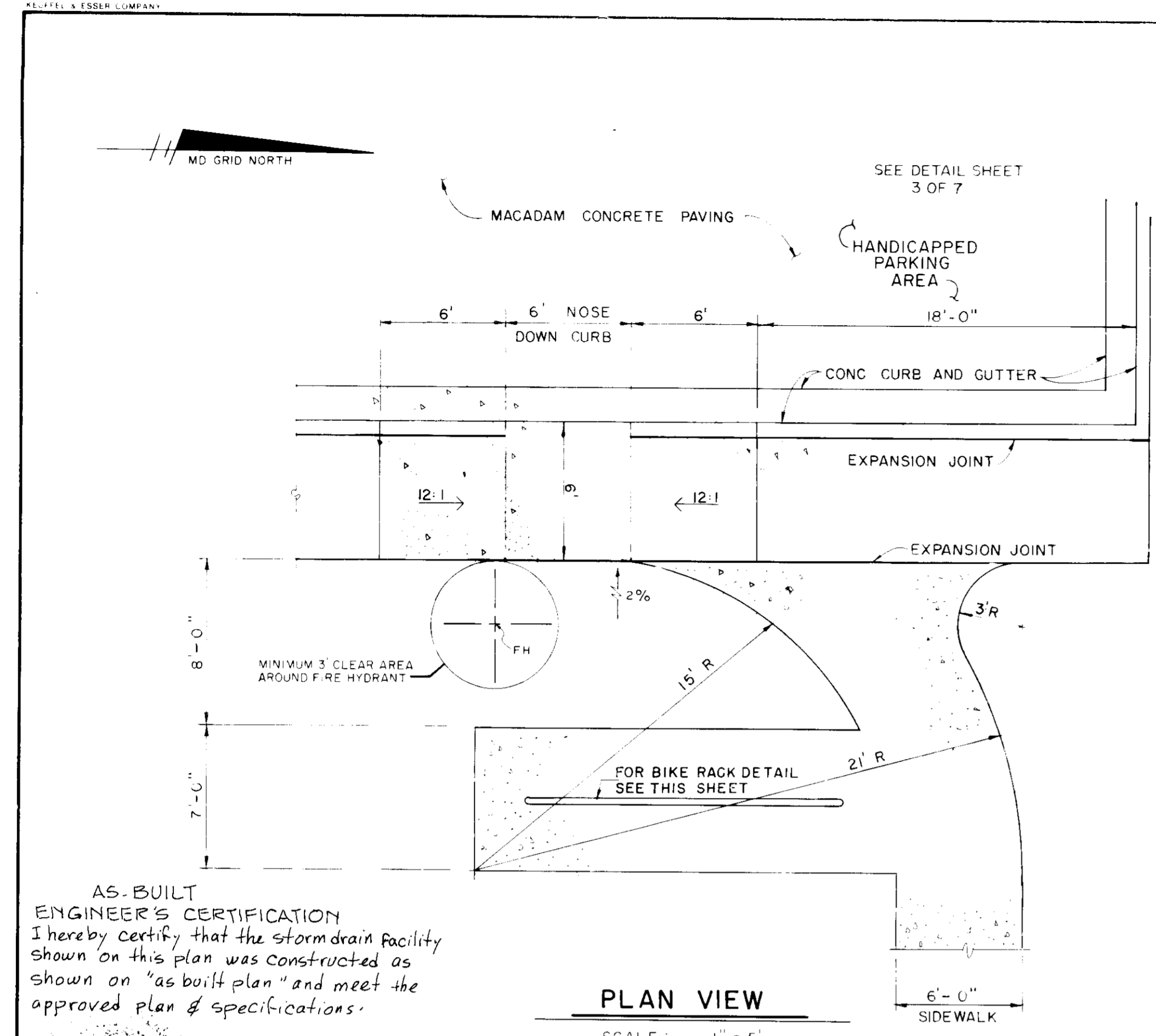
John Heinrichs  
7-12-89  
ENGINEER: JOHN HEINRICHS DATE

BY THE DEVELOPER:  
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, 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 BEFORE BEGINNING THE PROJECT."

Robert ...  
7/12/89  
DEVELOPER DATE

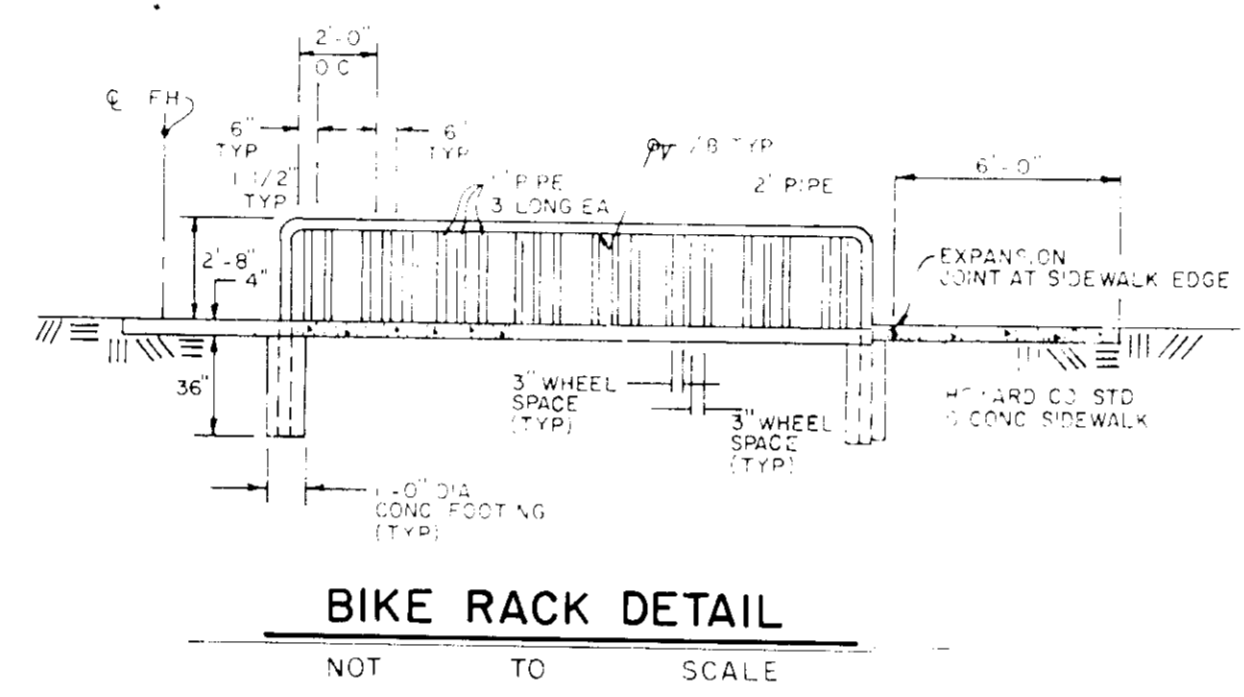
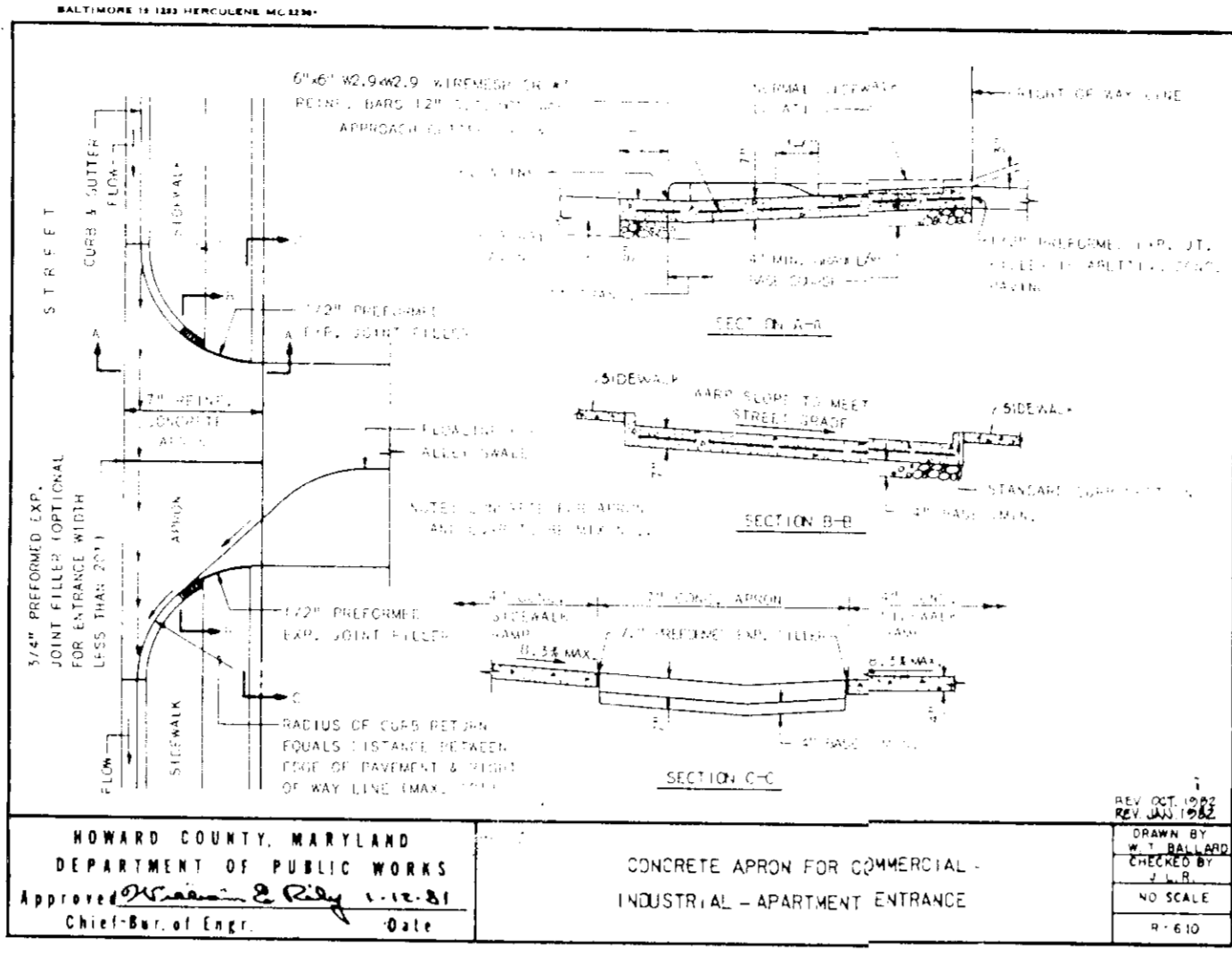
ADDRESS CHART	
LOT NO.	ADDRESS
PARCEL "0"	11615 LITTLE PATUXENT PARKWAY

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL NO.
VILLAGE OF HICKORY RIDGE	3/13	152 PARCEL 0-1
PLAT NO./BLOCK NO./ZONE	TAX./ZONE	ELECT.DIST./CENSUS TR.
9 / 35 MAP	5	6053.01
WATER CODE	SEWER CODE	
E-27	6592000	

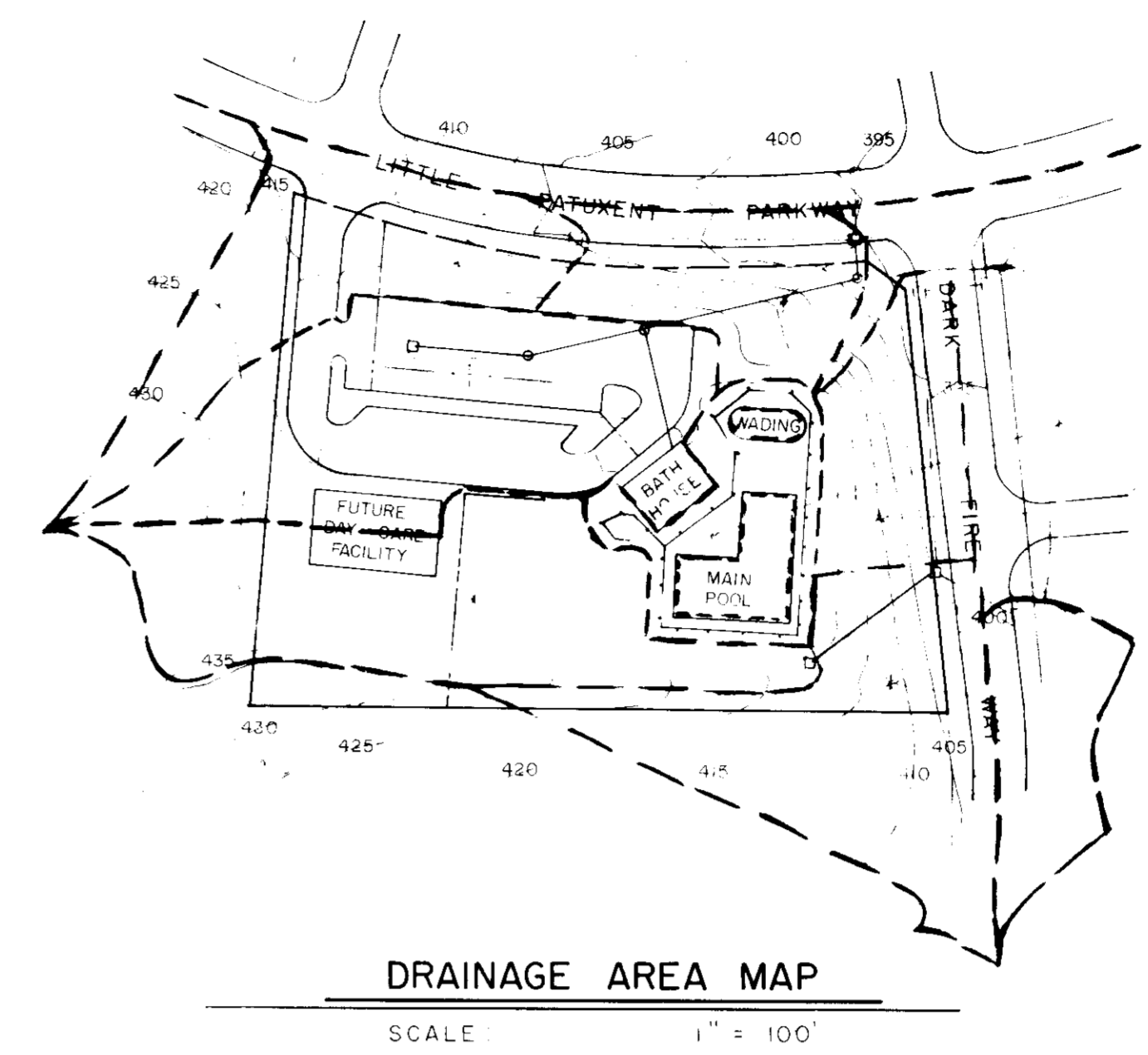
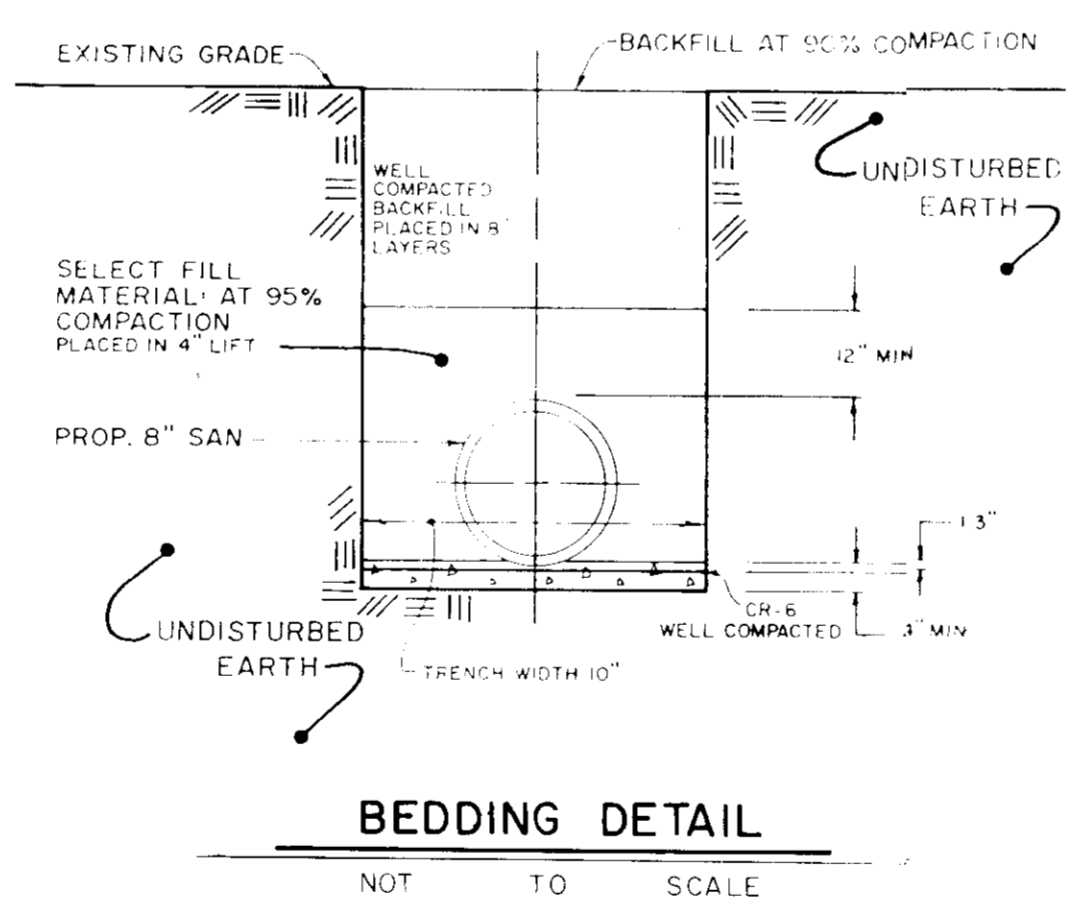


AS-BUILT ENGINEER'S CERTIFICATION  
I hereby certify that the storm drain facility shown on this plan was constructed as shown on "as built plan" and meet the approved plan & specifications.

*Miko Sedgwick* PE 1381C  
11.8.93  
*Sedgwick & Associates Ltd.*  
3217 Corporate Ct.  
Ellicott City, Md. 21043  
(410) 750-2003

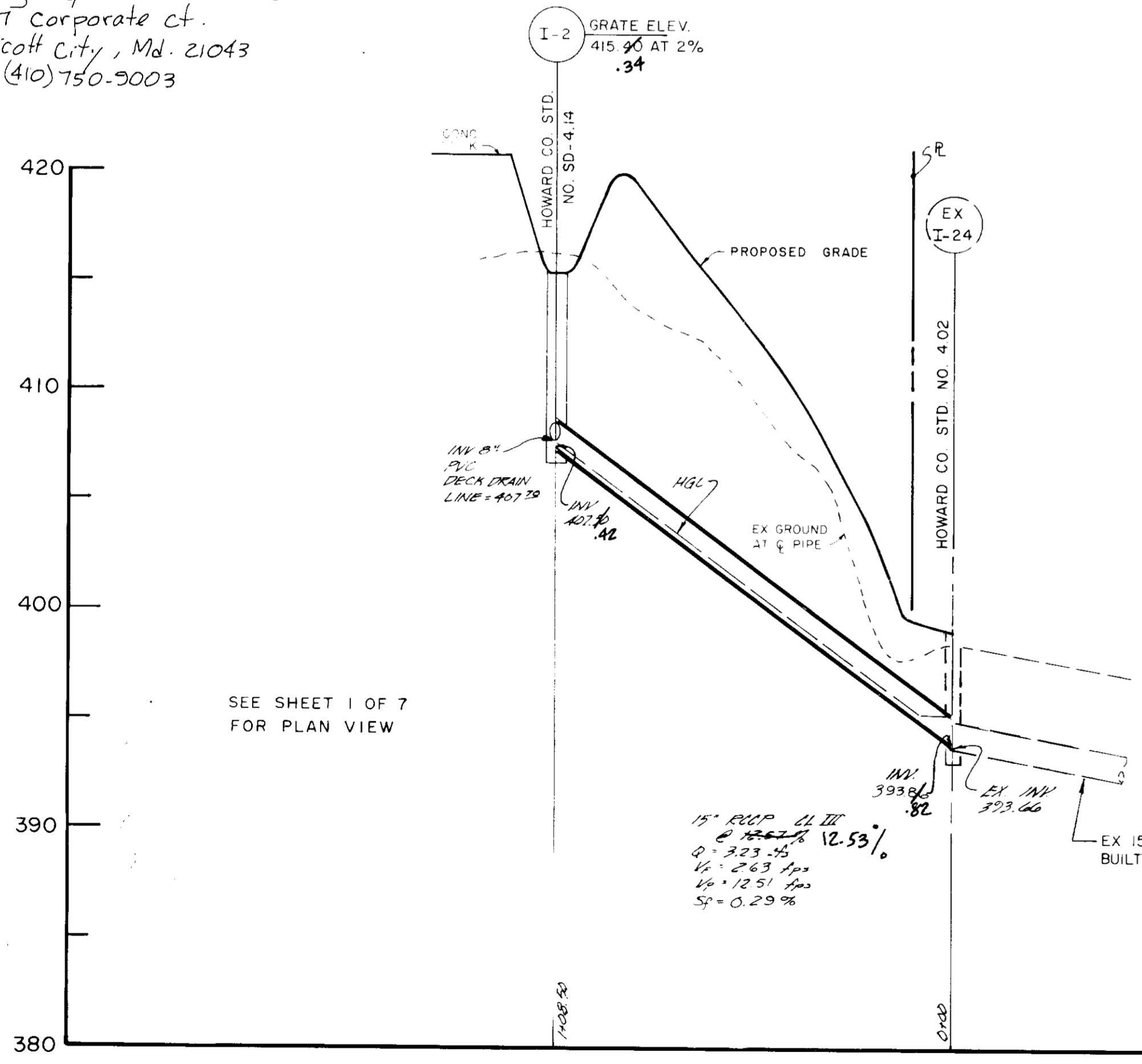


NOTES  
1. RACK TO BE CONSTRUCTED OF SCH 40 STEEL PIPE PAINTED BROWN TO MATCH FENCE BY MANUFACTURER'S RECOMMENDATIONS.  
2. CAPACITY IS BICYCLES.  
3. DRILL UNDERSIDE OF FRAME TO ACCEPT 1" PIPES WELD IN PLACE AS SHOWN. EACH PIPE SHOULD EXTEND TO BOTTOM OF PAD (APPROX 3' LONG EACH).



DRYWELL CONSTRUCTION SPECIFICATIONS

- BEFORE THE ENTIRE DEVELOPMENT SITE IS GRADED, THE AREA PLANNED FOR THE DRYWELL SHOULD BE ROPED OFF TO PREVENT HEAVY EQUIPMENT FROM COMPACTING THE UNDERLYING SOILS.
- DIVERSION BERMS SHOULD BE PLACED AROUND THE UPSTREAM PERIMETER OF THE DRYWELL DURING ALL PHASES OF CONSTRUCTION. CONSTRUCTION OF THE TRENCH SHOULD NOT BEGIN UNTIL THE ENTIRE SITE IS COMPLETELY STABILIZED.
- THE TRENCH SHOULD BE EXCAVATED USING A BACKHOE OR TRENCHER EQUIPPED WITH TRACKS OR OVERSIZED TIRES. NORMAL RUBBER TIRES SHOULD BE AVOIDED. EXCAVATED MATERIAL SHOULD BE STORED AT LEAST 10 FEET FROM THE TRENCH TO AVOID BACKSLIDING AND CAVES.
- ONCE THE TRENCH IS EXCAVATED, THE BOTTOM AND SIDES OF THE STONE RESERVOIR SHOULD BE LINED WITH FILTER CLOTH TO PREVENT UPWARD PIPING OF UNDERLYING SOILS. THE FABRIC SHOULD BE PLACED FLUSH WITH THE SIDE AND BOTTOM WITH A GENEROUS OVERLAP AT THE SEAMS.
- CLEAN, WASHED 1-2 INCH STONE AGGREGATE SHOULD BE PLACED IN THE EXCAVATED RESERVOIR IN LIFTS, AND LIGHTLY COMPACTED WITH PLATE COMPACTORS TO FORM THE COARSE BASE.
- THE OBSERVATION WELL SHOULD BE CONSTRUCTED AS SHOWN HEREIN.
- SEDIMENT CONTROL IN THE FORM OF INLET PROTECTION SHOULD BE PROVIDED UPON COMPLETION OF THE DRYWELL.



STORM DRAIN STRUCTURE SCHEDULE

STRUCTURE	NORTHING	EASTING	INV IN	INV OUT	RIM ELEV	DETAIL NO
2' INLET	499769.6552	828711.6384	—	413.00	416.28	SD-4.22
8' INLET	499831.7149	828992.3663	389.08	—	—	SD-4.02
2' 2'	499564.1992	828955.3557	407.70	407.50	415.40	SD-4.1A
2' 1 24	499826.8569	829043.9375	393.86	393.66	398.60	SD-4.02
MAN 1	499812.1202	828993.8293	390.34	390.20	397.00	B-5.11
MAN 2	499779.4592	828855.3008	400.43	400.21	418.20	B-5.11
MAN 3	499761.8415	828780.5770	413.00	406.00	416.54	B-5.11

MAINTENANCE SCHEDULE

**INSPECTION**  
THE TRENCH SHOULD BE INSPECTED MONTHLY FOR THE FIRST SIX MONTHS OF OPERATION. THEN BI-ANNUALLY THEREAFTER. INSPECTIONS SHOULD BE CONDUCTED AFTER LARGE STORMS. WATER LEVELS SHOULD BE RECORDED OVER SEVERAL DAYS IN THE OBSERVATION WELL.

**SEDIMENT REMOVAL**  
INLETS OF UNDERGROUND TRENCHES SHOULD BE CHECKED PERIODICALLY AND CLEANED OUT WHEN SEDIMENT DEPLETES MORE THAN 10% OF THE AVAILABLE CAPACITY. THIS CAN BE DONE MANUALLY OR BY A VACUUM PUMP. OUTLET PIPES SHOULD BE CHECKED FOR CLOGGING AND VANDALISM.

7-18-89  
Date  
*[Signature]*  
Professional Engr. No.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*[Signature]* 8/28/89  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* 9.5.89  
PLANNING DIRECTOR DATE

*[Signature]* 8/23/89  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* 8/28/89  
DIRECTOR DATE

*[Signature]* 8-14-89  
CHIEF, BUREAU OF ENGINEERING DATE

OWNER/DEVELOPER  
PARCEL C-1  
HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY  
1078 LITTLE PATRIBUTT FARM  
COLUMBIA, MARYLAND 21046

LOT 152  
COLUMBIA ASSOCIATION  
SUITE 400  
ONE KNOLL NORTH  
HOWARD COUNTY, MARYLAND 21046

CLARY'S FOREST NEIGHORHOOD POOL

CENTURY ENGINEERING, INC.  
CONSULTING ENGINEERS • PLANNERS  
32 WEST ROAD  
TOWSON, MARYLAND 21204

AREA  
BLADD PLAT REFERENCE #7050  
VILLAGE OF HICKORY RIDGE  
SECTION 3 - AREA 18  
6th ELECTORAL DISTRICT  
HOWARD COUNTY, MARYLAND

TITLE  
DETAIL SHEET

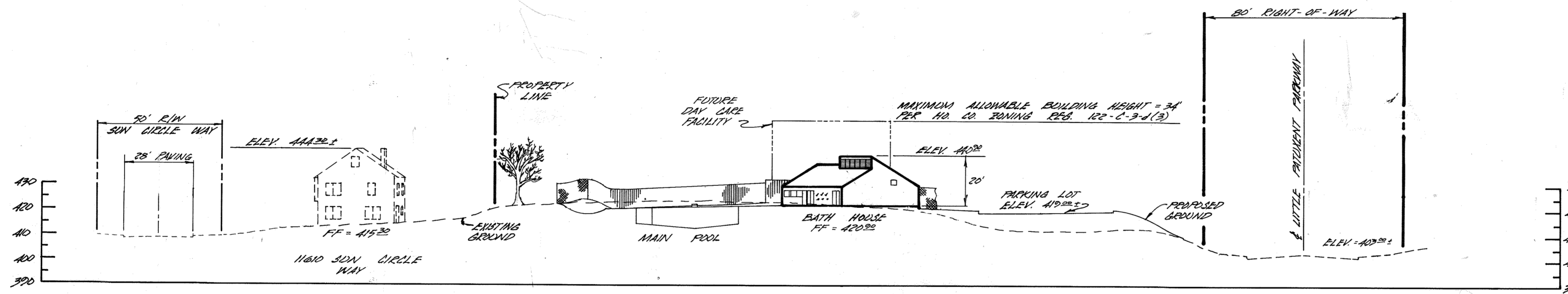
Des By JP Scale AS SHOWN Proj No 88-030  
Dwn By MAG Date 2-13-89 Drawing No  
Chk By SDS Approved JRH 6 OF 7

# CLARY'S FOREST NEIGHBORHOOD POOL

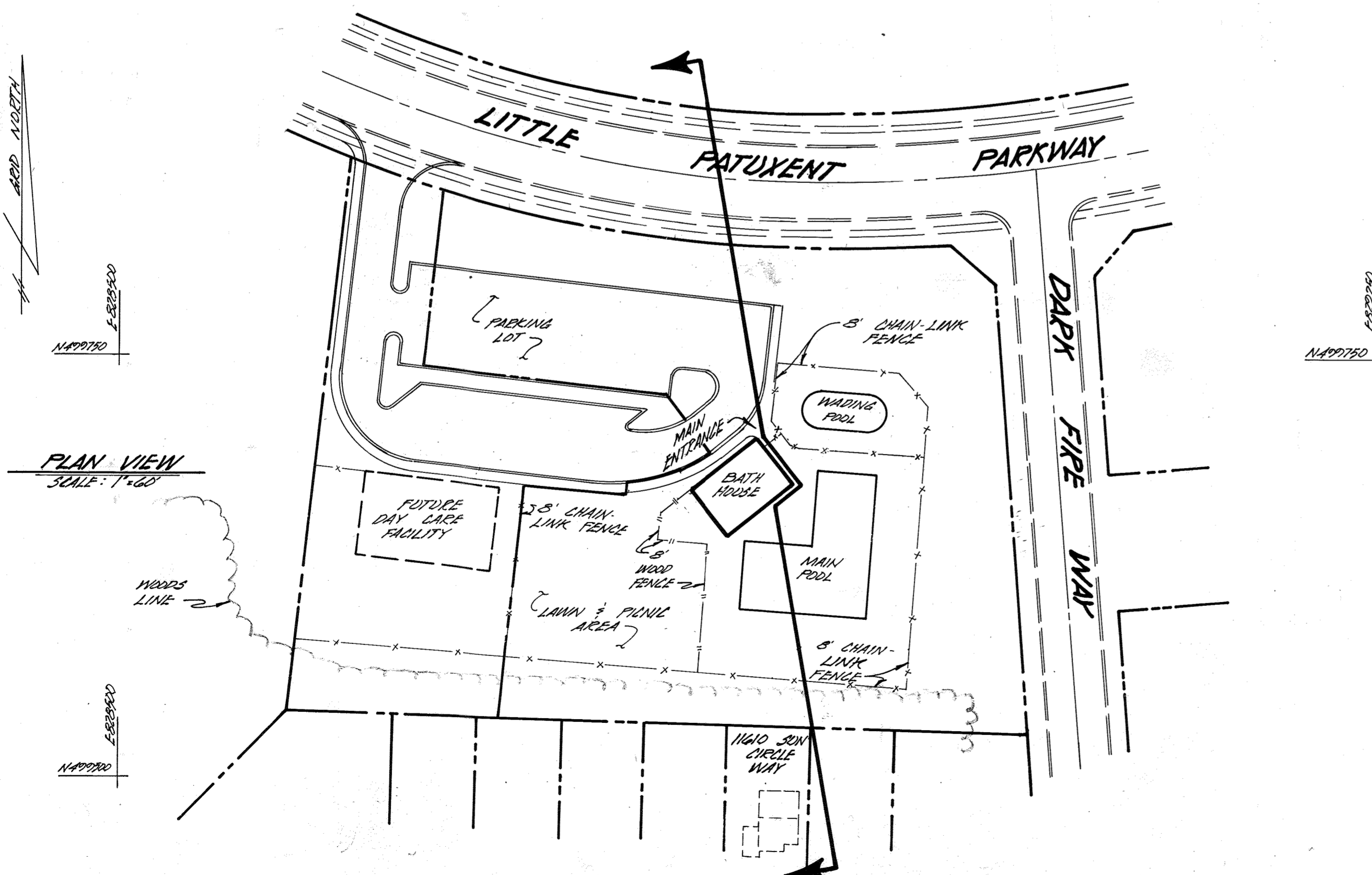
## SITE CROSS-SECTION



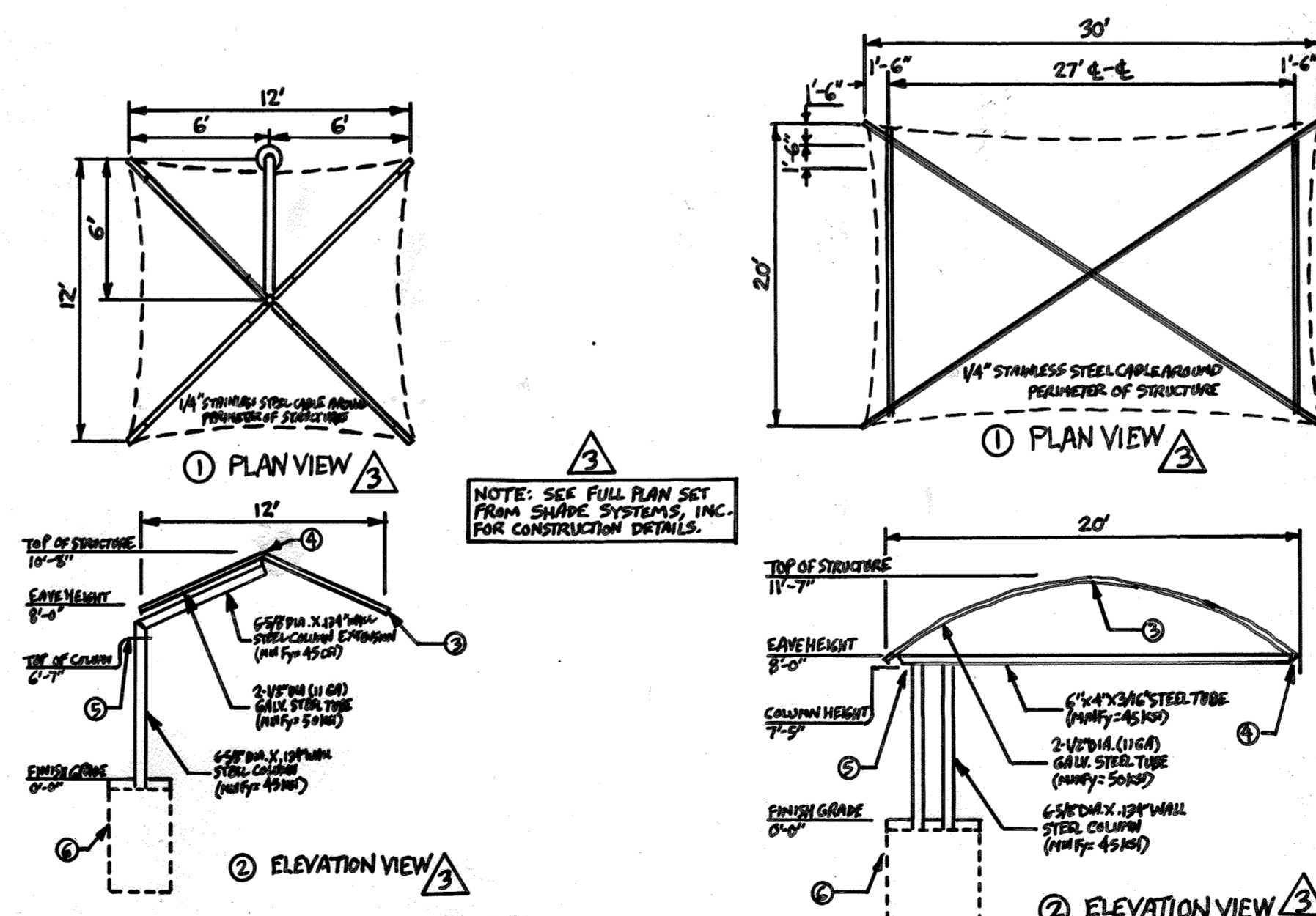
VICINITY MAP  
SCALE: 1" = 400'



SECTION VIEW  
SCALE: HORIZ: 1" = 30'  
VERT: 1" = 30'



PLAN VIEW  
SCALE: 1" = 40'



SHADE STRUCTURE SCHEMATIC DETAILS  
SCALE: NONE

STATE OF MARYLAND  
PROFESSIONAL ENGINEER  
J. S. FISH  
Rev. 3  
3/21/2022

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
*James M. ...* 8/28/89  
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*U.S.P.H.* 9.5.89  
PLANNING DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James ...* 8/28/89  
DIRECTOR DATE

*James ...* 8-14-89  
CHIEF, BUREAU OF ENGINEERING DATE

Date	No	Revision Description	BY
3-18-22	3	ADDED 2 SHADE STRUCTURE DETAILS.	FSH
4/17/89	2	PER HOWARD CO. COMMENTS DDS/RUL	

OWNER/DEVELOPER  
PARCEL 0-1 HOWARD RESEARCH AND DEVELOPMENT LAND COMPANY  
LOT 152 COLUMBIA ASSOCIATION SUITE 400 ONE KNOLL NORTH COLUMBIA, MARYLAND 21046

CLARY'S FOREST NEIGHBORHOOD POOL

CENTURY ENGINEERING, INC.  
CONSULTING ENGINEERS • PLANNERS  
32 WEST ROAD  
TOWSON, MARYLAND 21204

AREA  
CLARY'S FOREST NEIGHBORHOOD POOL  
SECTION 3 - AREA 13  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

Des By	Scale	Proj No
JP	AS SHOWN	85-030
Drn By	Date	Drawing No.
JP	2/14/89	7 OF 7
Chk By	Approved	
DDS	JRH	

7-18-89  
Date  
Professional Engr. No. 14920

APPROVED  
PLANNING BOARD  
of HOWARD COUNTY  
DATE 4-12-89  
LKS