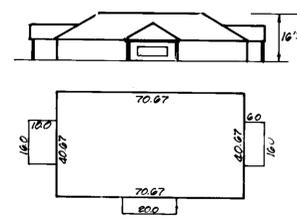
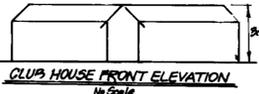


Contour Interval 2 feet
 Existing Contour 472
 Proposed Contour _____
 Direction of Drainage _____
 Existing Storm Drain Ex. G.D.
 Proposed Storm Drain Prop. G.D.
 Limit of Disturbance _____



Note:
 Convert existing G.D. manhole M-3002 to yard inlet. Remove existing manhole cover and replace with Neenah Foundry Type 6" Grate R-2475 or approved equal. Top adjusted to Elev. 482.1

Note:
 Convert existing G.D. manhole M-3002 to yard inlet. Remove existing manhole cover and replace with Neenah Foundry Type 6" Grate R-2475 or approved equal. Top adjusted to Elev. 482.1

Note:
 Remove Ex. 3" PVC as necessary and connect to Ex. 3" PVC WHC

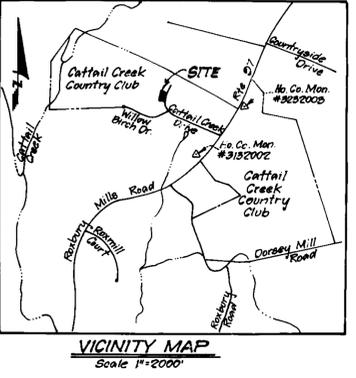
Note:
 Remove Ex. 1 1/2" PVC as necessary and connect to Ex. 1 1/2" WHC

SITE ANALYSIS:

- A. TOTAL AREA OF PARCEL: 106.572 ACRES
- B. PRESENT ZONING: RC D-9
- C. USE OF STRUCTURE: Golf Course Clubhouse
- D. FLOOR SPACE: CLUBHOUSE 7800 SF, POOL HOUSE 2328 SF, HALFWAY HOUSE 300 SF
- E. MAXIMUM NUMBER OF EMPLOYEES: 37
- F. NUMBER OF PARKING SPACES: REQUIRED: 203 (144 Golfers, 10 Swimming Pool, 24 Tennis Courts, 25 Clubhouses, 2500 SF); PROVIDED: 223 (including 2 H.C.)
- G. GREEN SPACE TO REMAIN ON SITE: 101.661 AC AND 56% OF NET AREA
- H. BUILDING COVERAGE OF SITE: 0.25 AC AND 0.22% OF GROSS
- I. DISTURBED AREA: 2.8 ACRES

WATER AND SEWER NOTES:

1. All construction and materials for on-site private water and sewer systems shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Standard Details and Specifications where necessary.
2. 6-inch sewer house connection shall be built within 5 foot of building. PVC pipe shall meet the requirements of ASTM-D-3034, wall thickness classification SDR-35. Cleanouts to be provided every 75'.
3. Maximum Total Design Sewage Flow Allocation: Pool - 2700 GPD; Temp Clubhouse - 500 GPD; Halfway House - 400 GPD; Clubhouse - 7500 GPD; Total - 10,000 GPD (includes temp Clubhouse).
 a. Well to be drilled and approved prior to issuance of building permit for Halfway House.
 b. Detailed permit plan to be filed with the Howard County Health Dept and the State of Maryland Dept. of Environmental for approval and installation of 7500 g.p.d. system for clubhouse.



GENERAL NOTES:

1. All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications.
2. The contractor shall notify the Department of Public Works/Bureau of Construction Inspection at (410) 792-7272 at least (5) working days prior to the start of work.
3. The contractor shall notify "MISS UTILITY" at 1 (800) 257-7777 at least 48 hours prior to start of work.
4. Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
5. All plan dimensions are to the top of curb unless otherwise noted.
6. Existing topography was compiled from field survey by Clark, Finerock & Sackett, Inc. dated December 1994 & July 1995.
7. Coordinates are based on NAD 27 Maryland Coordinate System as projected by Howard County Geodetic Control Stations No. 3132002 and No. 323003.
8. All water and sewer service is to be private.
9. Flood plain information was provided per the record plat prepared by Fisher, Collins and Carter, Inc. (7-30-92).
10. Stormwater management is to be provided in the existing ponds on site, SDP 91-106 Extended Detention.
11. No clearing, grading or construction is permitted within the required wetland and stream buffers except as permitted by WPA Permit # 91-WC-0362, MDE # 91-WC-0400, CEAB-07-91-90-1363-3 AND WP-91-03 granted April 22, 1993.
12. Existing utilities were compiled from available records and field survey.
13. All wells and septic systems within 200' of the sewage disposal easement have been shown.
14. The lots shown hereon comply with minimum ownership width and lot area as required by the Maryland State Department of the Environment.
15. This area designates a private sewage easement as required by the Maryland Department of the Environment for individual sewage. Improvements of any nature in this area are restricted until public sewer is available. These easements shall become null and void upon connection to a public sewage system. The county health officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement plat shall not be necessary. See sheet 3.
16. Subject property Zoned RC DED per 10/93 Comprehensive Zoning Plan.
17. A water meter shall be installed on an incoming line in an accessible location for all buildings.
18. Any damage to county or state owned right-of-ways are to be repaired at the contractor's expense.
19. All exterior lighting fixtures shall be directed/reflected away from public roads.
20. See DPZ Files SDP-91-106, SDP-93-20, S-89-95, F-90-62 and BA-90-02, SDP 93-43, WP-91-03
21. BA-90-02 decision and order was granted on October 6th, 1992.
22. Trench excavation over 4 feet in depth to comply with MSHA.
23. Parking lots constructed and approved under SDP 03-43.
24. Existing temporary Clubhouse, Office & Pro Shop to be removed when the Clubhouse is built.
25. WP-01-03 granted 4-22-91 allowing fill wetlands

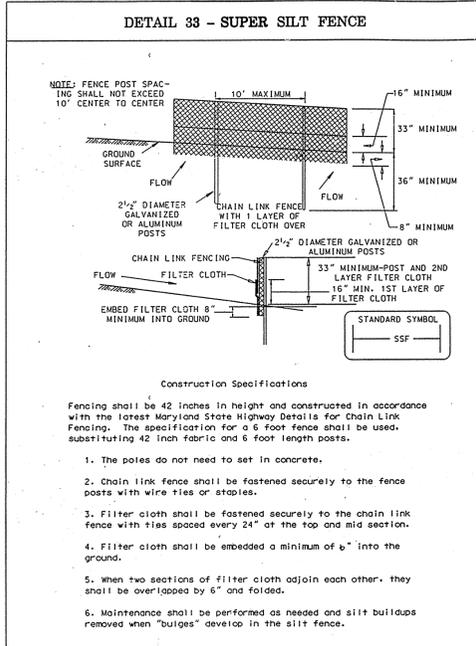
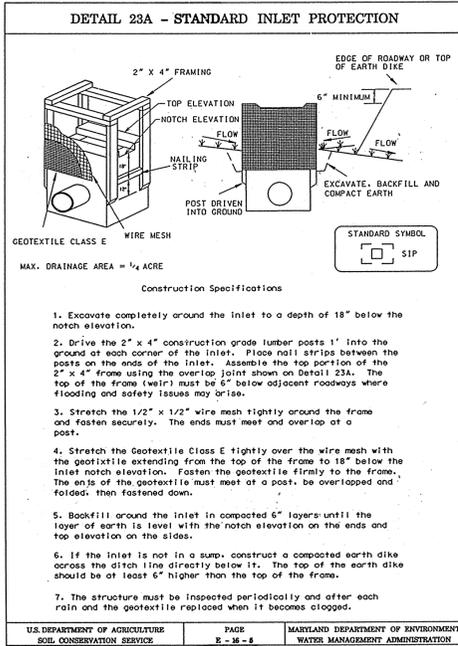
APPROVED HOWARD COUNTY HEALTH DEPARTMENT FOR ON-SITE WATER & PRIVATE SEWERAGE SYSTEMS.
 James M. Bond... 10/3/95
 APPROVED DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division MK 9/25/95
 Chief, Division of Land Development and Research TC 10/3/95

SEE BLOW-UP DETAIL OF CLUBHOUSE HANDICAP ACCESS ON SHEET 2 OF 4



ADDRESS CHART					
Lot / Parcel		Street Address			
Parcel B		3600 Cattail Creek Drive			
Subdivision Name		Section / Area		Lots / Parcels	
Cattail Creek Country Club		2		Parcel B	
Plot No	Block No	Zone	Tax Map No	Election District	Geneva Tract
11047 11052	8	RC DED	2	4th	0040
Water Code			Sewer Code		
Private Water			Private Sewer		
CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH					
DESIGNED	JLS	SCALE			1" = 30'
DRAWN	ZAH	SITE DEVELOPMENT PLAN			DRAWING
		CLUBHOUSE			1 of 4
CHECKED	JLS	CATTAIL CREEK COUNTRY CLUB			JOB NO.
		FOURTH ELECTION DISTRICT			91-180
		HOWARD COUNTY, MARYLAND			FILE NO.
		FOR: CATTAIL CREEK COUNTRY CLUB			24-180-X
		3600 CATTAIL CREEK DRIVE			
		GLENWOOD, MARYLAND 21798			
DATE	7-28-95				

DRAWING INDEX	
SHEET 1	SITE DEVELOPMENT PLAN
SHEET 2	SEPTIC FIELD, RESERVE AREA & DRAINAGE AREA MAP
SHEET 3	SEDIMENT & EROSION CONTROL PLAN
SHEET 4	STORM DRAIN PROFILES & DETAILS



SEDIMENT AND EROSION 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. (992-2437).
- 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 SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, 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 perimeters in accordance with Vol. I, 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) sod (Sec.54), temporary seeding (Sec.50) and mulching (Sec.52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 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.
- SITE ANALYSIS:**

Total Area of Site:	106,972 Ac.
Area Disturbed:	3.8 Ac.
Area to be roofed or paved:	0.74 ac±
Area to be vegetatively stabilized:	3.06 ac±
Total Cut:	2000 CY
Total Fill:	4000 CY

 Offsite Waste/Borrow Area Location: *
 Additional sediment control must be provided, if deemed necessary by the Howard County DPW Sediment Control Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- If houses are to be constructed on an "as sold" basis, at random, Single Family Sediment Control, as shown below shall be implemented.
- All pipes to be blocked at the end of each day (see detail this sheet).
- The total amount of silt fence= 665 LF SF ±, 210 LF BSF

* It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

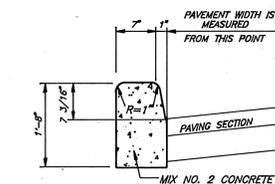
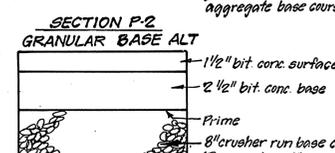
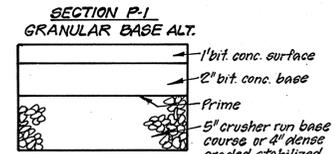
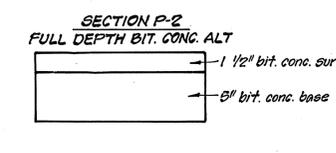
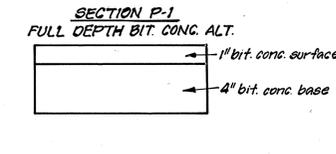
PERMANENT SEEDING NOTES

- APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS:** In lieu of soil test recommendations, use one of the following seedings:
 1) Preferred: Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq ft.) before seeding. Harrow or disc into upper three inches of soil. At the 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. 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 50lbs per acre (1.4 lbs./1000 sq ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs./1000 sq ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre 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 unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal./1000 sq ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq ft.) for anchoring.
- MAINTENANCE:** Inspect all seeded areas and make needed repairs, replacements and reseedings.

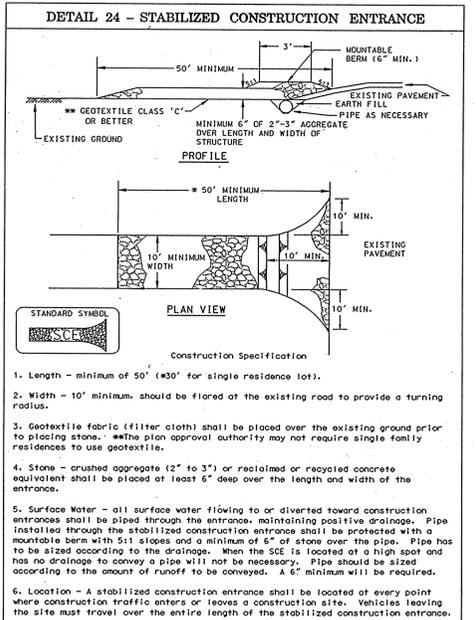
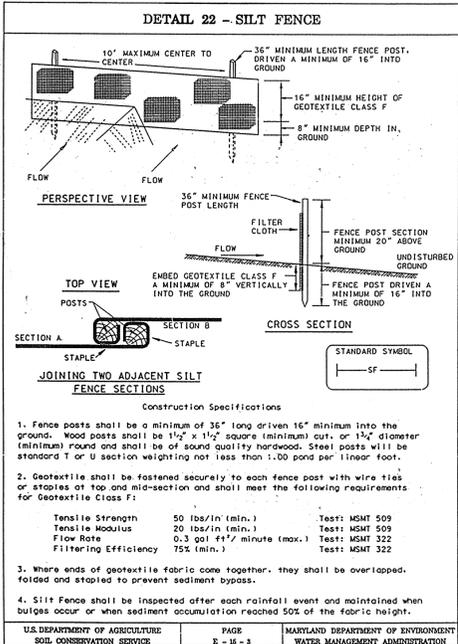
TEMPORARY SEEDING NOTES

- SEEDING PREPARATION:** Loosen upper three inches of soil by raking, discing, or other acceptable means before seeding, if not previously loosened.
- SOIL AMENDMENTS:** Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs./1000 sq ft.).
- SEEDING:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2 1/2 bushel per acre of annual rye (3.2 lbs./1000 sq ft.). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs./1000 sq ft.). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.
- MULCHING:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq ft.) of unrattled small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal./1000 sq ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq ft.) for anchoring.
- REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



SEQUENCE OF CONSTRUCTION

- Obtain Grading Permit.
- Notify "Miss Utility" at least 48 hours before beginning any work at 1-800-257-7777. Notify the Howard County Office of Construction/Inspection at 410-313-1330 24 hours before starting work.
- Install all sediment control measures as shown on the plans. 1 Week
- Grade site to subgrade. 3 Weeks
- Construct building additions, install service drive to the clubhouse. 15 Months.
- Construct sidewalks and cart paths. 2 Weeks.
- Final grade and stabilize all disturbed areas with permanent seeding. 2 Weeks
- Notify Howard County Office of Construction/Inspection for permission for removal of sediment control measures and stabilize disturbed areas with permanent seeding.



STRUCTURE SCHEDULE

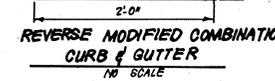
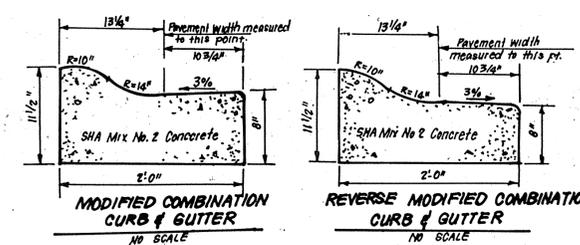
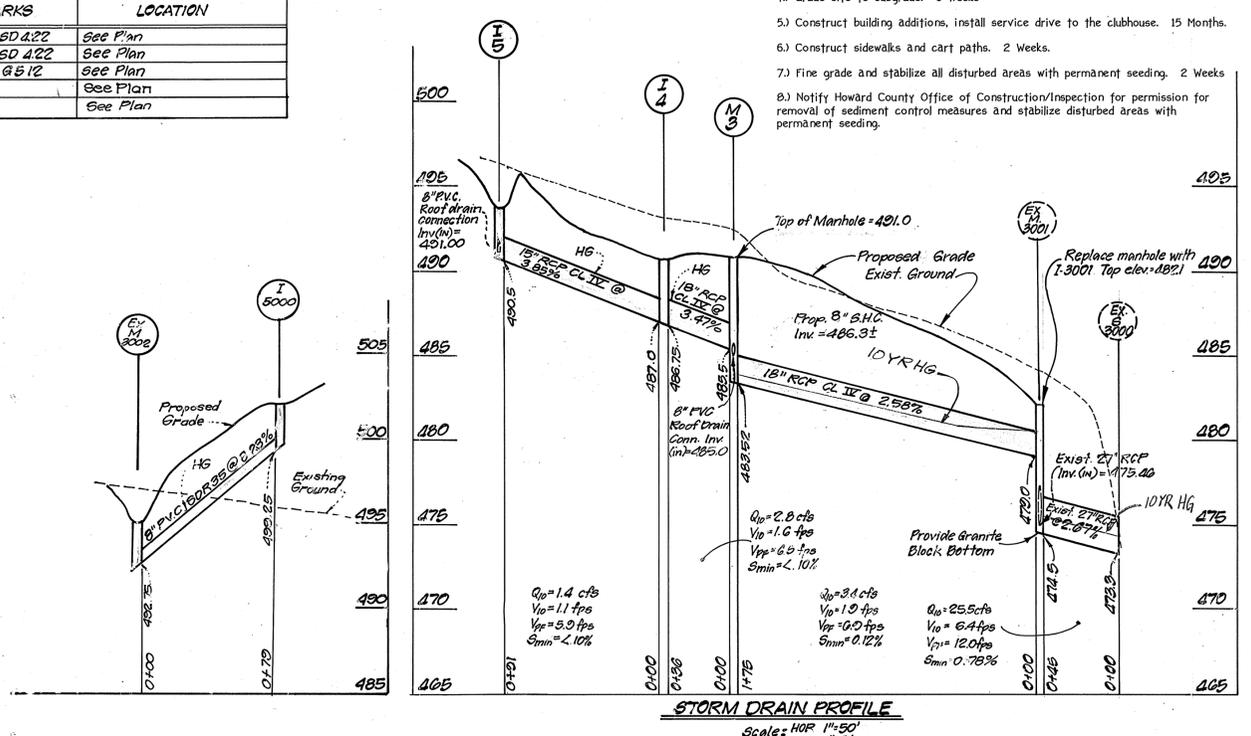
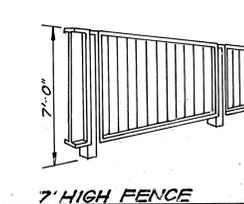
NO	TYPE	INVERT	TOP ELEVATION		REMARKS	LOCATION
			IN	OUT		
I-5	5" Inlet	2-7/8" Sq	400.60	400.5	Top Elev. 484.1-489.5	Ho Co Std. SD 422
I-4	5" Inlet	2-7/8" Sq	487.00	486.75	Top Elev. 491.0-490.8	Ho Co Std. SD 422
M-3	Shallow Precast Manhole	4'0" dia	486.75	483.62	491.0	Ho Co Std. G 512
EXIST	Existing Manhole		475.42	474.5	Top Elev. 482.1	See Plan
5000	Inlet			490.25	Top Elev. 502.0	See Plan

PIPE SCHEDULE

SIZE	TYPE	LENGTH
18"	RCP CL IV	21 LF
18"	RCP CL IV	21 LF
8"	PVC SDR 35	369 LF

CONSTRUCTION SEQUENCE:

- | | NO. OF DAYS |
|--|-------------|
| 1. Obtain grading permit. | 7 |
| 2. Install tree protection fence. | N/A |
| 3. Install sediment and erosion control devices and stabilize. | 14 |
| 4. Excavate for foundations, rough grade and temporarily stabilize. | 30 |
| 5. Construct structures, sidewalks and driveways. | 60 |
| 6. Final grade and stabilize in accordance with Stds. and Specs. | 14 |
| 7. Upon approval of the sediment control inspector, remove sediment and erosion control devices and stabilize. | 7 |



APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR ON-SITE WATER & PRIVATE SEWERAGE SYSTEMS.

George M. Bond 10/3/95
HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Mike Cummings 9/25/95
Chief, Development Engineering Division MK Date

Quia Summery 10/14/95
Chief, Division of Land Development and Research Date

James R. Smith 10/5/95
Director Date



Reviewed for HOWARD S.C.D. Name: *Patricia* Date: 9/14/95

Signature: *Patricia* Date: 9/14/95

US Natural Resources Conservation Service

DEVELOPER'S/BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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."

John R. Bond 7/31/95
Signature Date

ENGINEER'S CERTIFICATE

I hereby certify that this plan for Sediment and Erosion 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 R. Bond 7-31-95
Signature Date



REVISIONS

No.	REVISIONS	DATE
3	NEW PATIO ADDITION	7-27-04
2	NEW SERVICE ACCESS AND CART PATHS BY FCC	7-8-06
1	Rev. of Add Storm Drain Profile, Add Fence Detail	12-12-06

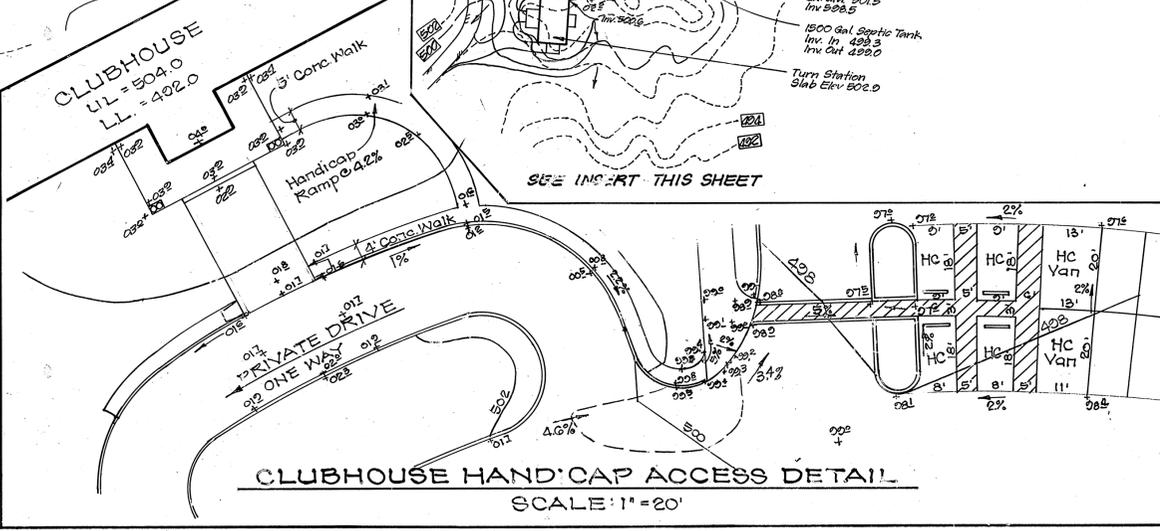
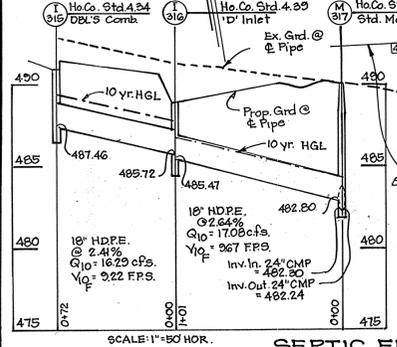
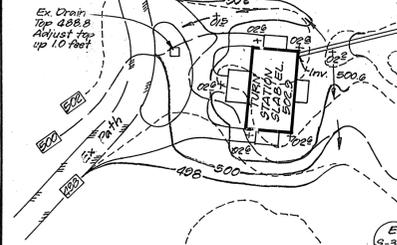
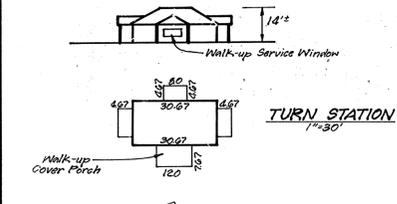
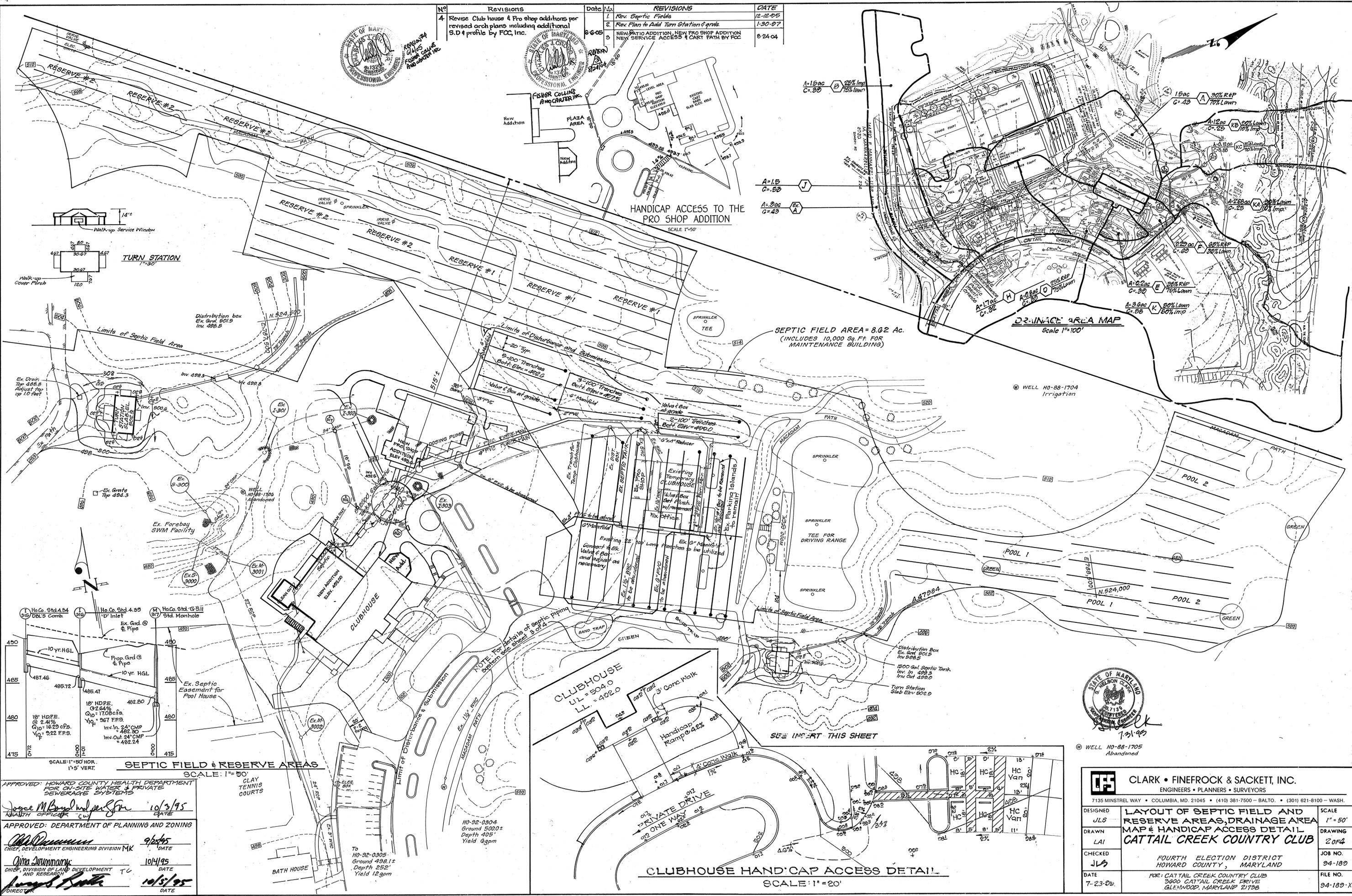
CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED JLS	STORM DRAIN PROFILE AND DETAIL SHEET	SCALE As Shown
DRAWN ZAH		DRAWING 4 of 4
CHECKED JLS	FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	JOB NO. 24-189
DATE 7-28-06		FILE NO. 24-189-X

FOR: Cattail Creek Country Club
 3000 Cattail Creek Drive
 Glenwood, Maryland 21738

SDP-96-15

No.	Revisions	Date	No.	REVISIONS	DATE
4	Revise Club house & Pro shop additions per revised arch plans including additional S.D & profile by FCC, Inc.	8-6-05	1	Rev. Septic Fields	12-12-05
			2	Rev. Plan to Add Turn Station & grts	1-30-07
			3	NEW PATIO ADDITION, NEW PRO SHOP ADDITION, NEW SERVICE ACCESS & CART PATH BY FCC	8-24-04



APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR ON-SITE WATERS & PRIVATE SEWERAGE SYSTEMS
 10/3/95
 HEALTH OFFICER (S)

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 9/24/95
 CHIEF, DEVELOPMENT ENGINEERING DIVISION MK

APPROVED: DIVISION OF LAND DEVELOPMENT
 10/14/95
 CHIEF, DIVISION OF LAND DEVELOPMENT TC

10/15/95
 DIRECTOR

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 • BALTO. • (301) 621-8100 - WASH.

DESIGNED JLS	LAYOUT OF SEPTIC FIELD AND RESERVE AREAS, DRAINAGE AREA MAP & HANDICAP ACCESS DETAIL CATTAIL CREEK COUNTRY CLUB	SCALE 1" = 50'
DRAWN LAI		DRAWING 2 of 4
CHECKED JLS		JOB NO. 94-189
DATE 7-23-98		FILE NO. 94-189-X

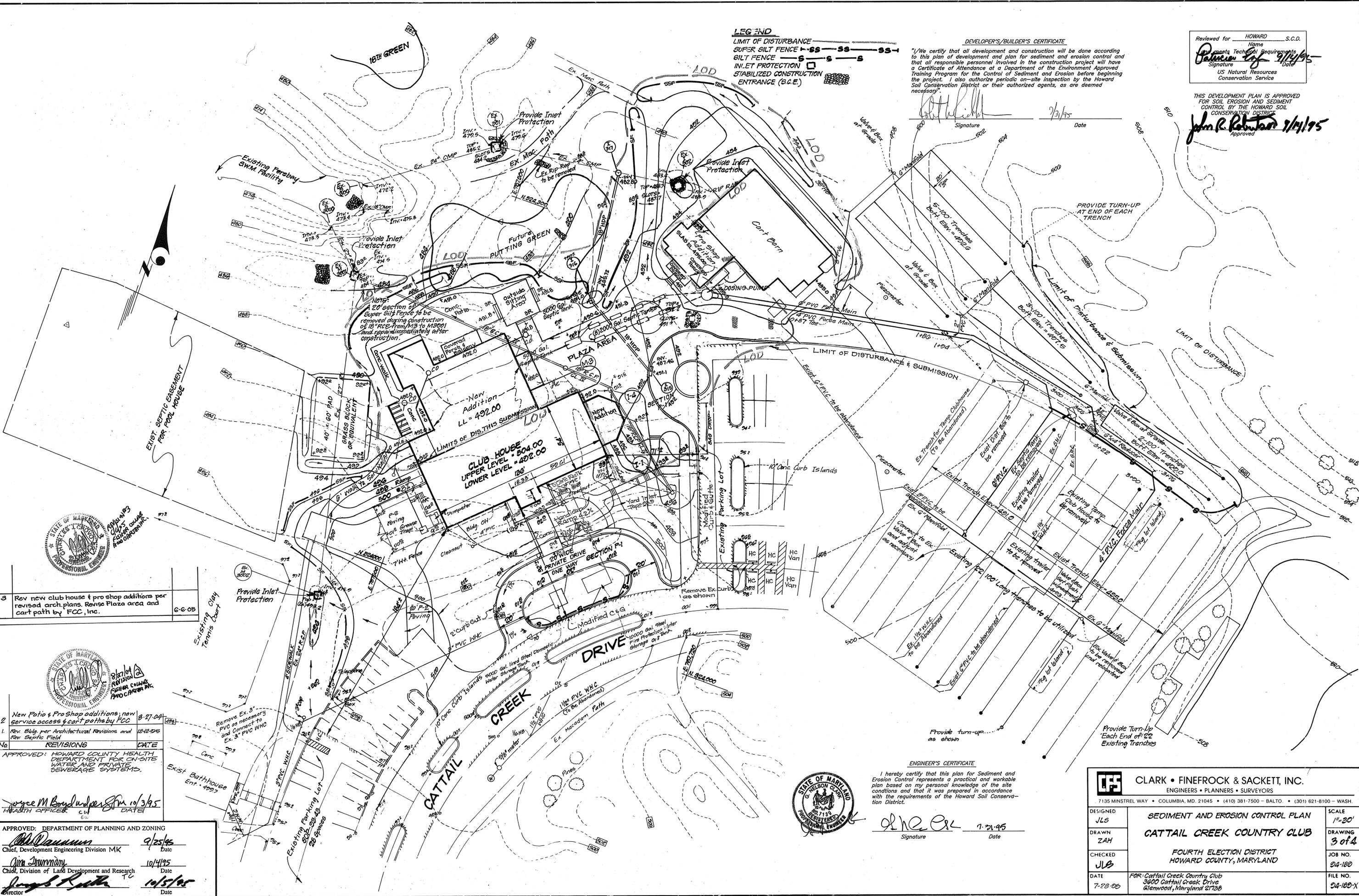
FOURTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FOR: CATTAIL CREEK COUNTRY CLUB
 3600 CATTAIL CREEK DRIVE
 GLENWOOD, MARYLAND 21738

LEGEND
 LIMIT OF DISTURBANCE ————
 SUPER SILT FENCE ————
 SILT FENCE ————
 INLET PROTECTION □
 STABILIZED CONSTRUCTION ENTRANCE (S.C.E.)

DEVELOPER'S/BUILDER'S CERTIFICATE
 "I/we certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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."

Reviewed for HOWARD S.C.D. Name
 Signature *John R. Roberts* Date 7/1/95
 US Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Signature *John R. Roberts* Date 7/1/95
 Approved



3 Rev new club house & pro shop additions per revised arch. plans. Revise Plaza area and cart path by FCC, Inc. 6-6-05

2 New Patio & Pro Shop additions, new service access & cart paths by FCC 8-27-04
 1. Rev Bldg for Architectural Revisions and Rev Site Field 12-12-05

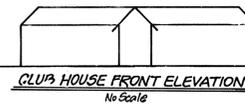
APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR ON-SITE WATER AND PRIVATE SEWERAGE SYSTEMS.
 Signature *George M. Boyd* Date 10/3/95
 HEALTH OFFICER

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Signature *John P. ...* Date 9/25/95
 Chief, Development Engineering Division MK
 Signature *John ...* Date 10/4/95
 Chief, Division of Land Development and Research
 Signature *John ...* Date 10/5/95
 Director

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Sediment and Erosion 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 *John ...* Date 7-21-95

CLARK • FINEROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 • BALTO. • (301) 621-8100 • WASH.		SCALE 1"=20' DRAWING 3 of 4 JOB NO. 04-180 FILE NO. 04-180-X
DESIGNED JLG	SEDIMENT AND EROSION CONTROL PLAN CATTAIL CREEK COUNTRY CLUB	
DRAWN ZAH	FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
CHECKED JLG	FOR: Cattail Creek Country Club 3600 Cattail Creek Drive Glenwood, Maryland 21738	
DATE 7-23-05		

Contour Interval 2 feet
 Existing Contour: 432'
 Proposed Contour: _____
 Direction of Drainage: Ex. S.D. / Prop. S.D.
 Existing Storm Drain: _____
 Proposed Storm Drain: _____
 Limit of Disturbance: _____

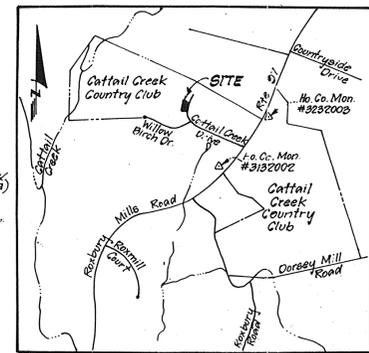


SITE ANALYSIS:

- A. TOTAL AREA OF PARCEL: 106.072 ACRES
- B. PRESENT ZONING: RC DEO
- C. USE OF STRUCTURE: 901f Course Clubhouse
- D. FLOOR SPACE: CLUBHOUSE - Ex. Bldg 15,091 SF, Prop. Bldg 18,918 SF, Total = 29,009 SF
- E. MAXIMUM NUMBER OF EMPLOYEES: 37
- F. NUMBER OF PARKING SPACES: 203 (144 Golfers, 10 Swimming Pool, 20 Tennis Courts, 29 Clubhouse, 2900f)
- G. GREEN SPACE TO REMAIN ON SITE: 101.661 AC AND 95.04% OF NET AREA
- H. BUILDING COVERAGE OF SITE: 0.381 AC AND 0.362% OF GROSS
- I. DISTURBED AREA: 9.8 ACRES

WATER AND SEWER NOTES:

1. All construction and materials for on-site private water and sewer systems shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Standard Details and Specifications where necessary.
2. 6-inch sewer house connection shall be built within 5 feet of building. PVC pipe shall meet the requirements of ASTM-D-3034, wall thickness classification SDR-35. Cleanouts to be provided every 75'.
3. Maximum Total Design Sewage Flow Allocation: Pool - 2700 GPD; Temp. Clubhouse - 300 GPD; Halfway House - 400 GPD; Clubhouse - 7500 GPD; Total - 10,000 GPD (excludes temp. Clubhouse)
4. Well to be drilled and approved prior to issuance of building permit for Halfway House.
5. Certified permit plans to be filed with the Howard County Health Dept and the State of Maryland Dept. of Environmental for approval and installation of 7500 g.p.d. system for clubhouse.



GENERAL NOTES:

1. All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications.
2. The contractor shall notify the Department of Public Works/Bureau of Construction Inspection at (410) 792-7272 at least (5) working days prior to the start of work.
3. The contractor shall notify "MISS UTILITY" at 1 (800) 257-7777 at least 48 hours prior to start of work.
4. Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual on Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
5. All plan dimensions are to the top of curb unless otherwise noted.
6. Existing topography was compiled from field survey by Clark, Finerock & Sackett, Inc. dated December 1994 & July 1995.
7. Coordinates are based on NAD 27 Maryland Coordinate System as projected by Howard County Geodetic Control Stations No. 3132002 and No. 323003.
8. All water and sewer service is to be private.
9. Flood plain information was provided per the record plat prepared by Fisher, Collins and Carter, Inc. (F-90-62).
10. Stormwater management is to be provided in the existing ponds on site, SDP 91-106 Extended Detention.
11. No clearing, grading or construction is permitted within the required wetland and stream buffers except as permitted by WRA Permit # 91-WC-0382, MDE # 91-WG-0400, GENAB-OP-RP-90-1963-5 AND WP-91-03 granted April 22, 1993.
12. Existing utilities were compiled from available records and field survey.
13. All wells and septic systems within 200' of the sewage disposal easement have been shown.
14. The lots shown herein comply with minimum ownership width and lot area as required by the Maryland State Department of the Environment.
15. This area designates a private sewage easement as required by the Maryland State Department of the Environment for individual sewage. Improvements of any nature in this area are restricted until public sewer is available. These easements shall become null and void upon connection to a public sewage system. The county health officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement plat shall not be necessary. See sheet 3.
16. Subject property Zoned RC DEO per 10/23 Comprehensive Zoning Plan.
17. A water meter shall be installed on an incoming line in an accessible location for all buildings.
18. Any damage to county or state owned right-of-ways are to be repaired at the contractor's expense.
19. All exterior lighting fixtures shall be directed/reflected away from public roads.
20. See DPZ Files SDP-91-106, SDP-93-20, S-89-95, F-90-62 and BA-90-02, SDP 93-43, W/P-01-05.
21. BA-90-02 decision and order was granted on October 6th, 1992.
22. Trench excavation over 4 feet in depth to comply with MSHA.
23. Parking lots constructed and approved under SDP 03-43.
24. Existing temporary Clubhouse, Office & Pro Shop to be removed when the Clubhouse is built.
25. WP-91-03 granted 4-22-91 allowing fill wetlands.

Note:

Convert existing S.D. manhole M-3002 to yard inlet. Remove existing manhole cover and replace with Neenah Foundry Type "C" Grate R-2475 or approved equal. Top adjusted to Elev. 495.0

Note:

Convert existing S.D. manhole M-3001 to yard inlet. Remove exist manhole and replace with Neenah Foundry Type "C" Grate R-2475 or approved equal. Top adjusted to Elev. 482.7

Note:

Remove Ex. 3" PVC as necessary and connect to Ex. 3" PVC W/C

Note:

Remove Ex. 3" PVC as necessary and connect to Ex. 1 1/2" W/C

Note:

Remove Ex. 3" PVC as necessary and connect to Ex. 1 1/2" W/C

Note:

Remove Ex. 3" PVC as necessary and connect to Ex. 1 1/2" W/C

Note:

Remove Ex. 3" PVC as necessary and connect to Ex. 1 1/2" W/C

Note:

Remove Ex. 3" PVC as necessary and connect to Ex. 1 1/2" W/C

Note:

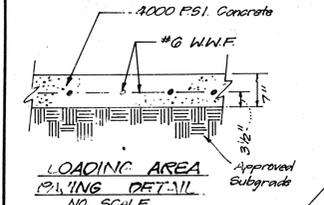
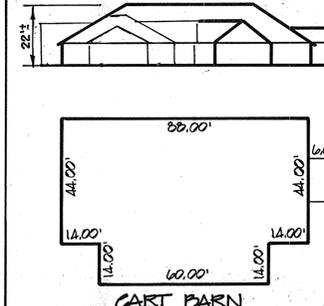
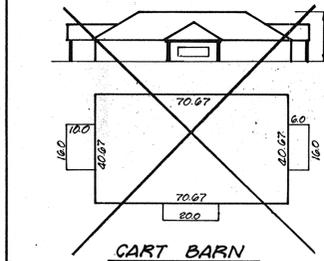
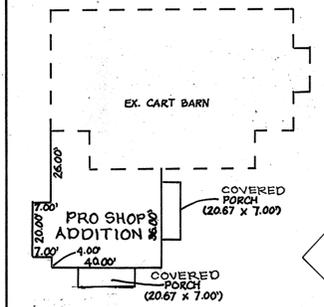
Remove Ex. 3" PVC as necessary and connect to Ex. 1 1/2" W/C

Note:

Remove Ex. 3" PVC as necessary and connect to Ex. 1 1/2" W/C

Note:

Remove Ex. 3" PVC as necessary and connect to Ex. 1 1/2" W/C



APPROVED HOWARD COUNTY HEALTH DEPARTMENT FOR ON-SITE WATER & PRIVATE SEWERAGE SYSTEMS.
 James M. Brundage, Health Officer, 10/3/95
 APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division MK, 9/25/95
 Chief, Division of Land Development and Research TC, 10/14/95
 Director, 10/15/95



NO.	REVISION	DATE
7	Rev. new Club house & Pro shop additions per rev. arch plans incl. Plaza area, cart path and additional S.D. by FCC, Inc.	12-18-05

6-6-05 DATE

SEE BLOW-UP DETAIL OF CLUB-HOUSE HANDICAP ACCESS ON SHEET 2 OF 4

NO.	REVISIONS	DATE
6	Rev. Pro Shop addition per new arch plans by FCC	12-15-04
5	NEW CLUB HOUSE ADDITION, NEW PATIO AND PRO SHOP, NEW SERVICE AND CART PATHS BY FCC	8-27-04
4	REV. CART BARN, TOP & PATH PER APPROVED RED-LINE	7-7-03
3	Rev. Plan to Add Cart Barn & Arch	1-22-03
2	Rev. Loading Dock, Relocate Ref. Wall, Add Storm Drainage	7-8-02
1	Rev. Clubhouse per Architectural Revisions	12-18-05

DRAWING INDEX	
SHEET 1	SITE DEVELOPMENT PLAN
SHEET 2	SEPTIC FIELD, RESERVE AREA & DRAINAGE AREA MAP
SHEET 3	SEDIMENT & EROSION CONTROL PLAN
SHEET 4	STORM DRAIN PROFILES & DETAILS

ADDRESS CHART			
Lot / Parcel	Street Address		
Parcel B	3000 Cattail Creek Drive		
Subdivisor Name	Section / Area	Lots / Parcels	
Cattail Creek Country Club	2	Parcel B	
Plot No	Block No	Zone	Tax Map No
1047 11052	B	RC DEO	4th
Election District	Census Tract		
4th	0040		
Water Code	Sewer Code		
Private Water	Private Sewer		

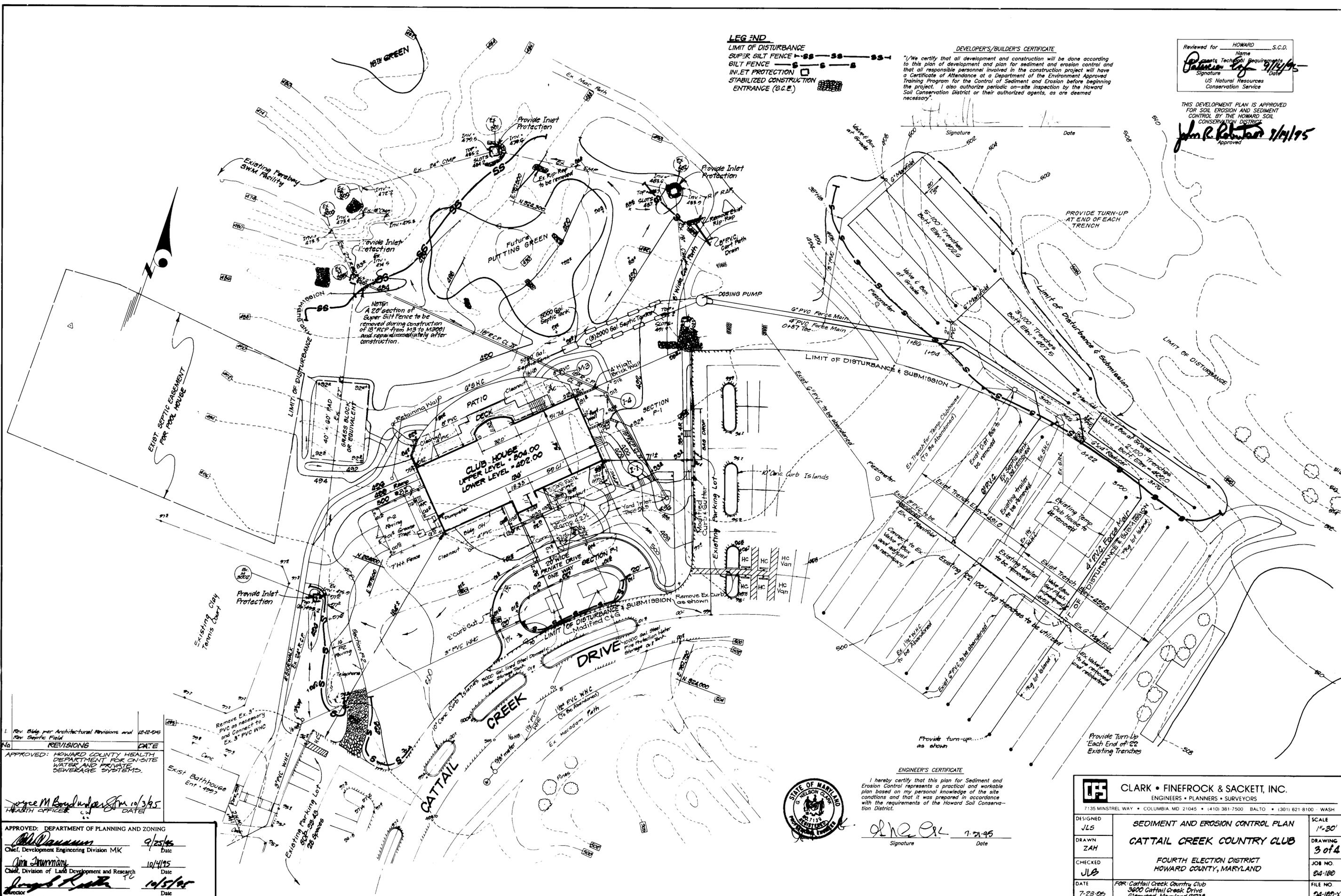
CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO. • (301) 621-8100 - WASH.		SCALE 1" = 20' DRAWING 1 of 4 JOB NO. 94-189 FILE NO. 04-189-X
DESIGNED JLS DRAWN ZAH CHECKED JLS DATE 7-28-95	SITE DEVELOPMENT PLAN CLUBHOUSE CATTAIL CREEK COUNTRY CLUB FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: CATTAIL CREEK COUNTRY CLUB 3000 CATTAIL CREEK DRIVE GLENWOOD, MARYLAND 21738	SDP-96-15

LEGEND
 LIMIT OF DISTURBANCE ---
 SUPER SILT FENCE ---
 SILT FENCE ---
 INLET PROTECTION ---
 STABILIZED CONSTRUCTION ---
 ENTRANCE (B.C.E.) ---

DEVELOPER'S/BUILDER'S CERTIFICATE
 I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment 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.

Reviewed for HOWARD S.C.D.
 Name
 Signature *John R. Robertson* 9/14/95
 Date
 US Natural Resources Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 Approved *John R. Robertson* 9/14/95



1. Rev. 5/14/95 per Architectural Revisions and 12-12-95 Rev. Septic Field
 No. REVISIONS DATE
 APPROVED: HOWARD COUNTY HEALTH DEPARTMENT FOR ON-SITE WATER AND PRIVATE SEWERAGE SYSTEMS.
Wayne M. Bond 10/3/95
 HEALTH OFFICER DATE

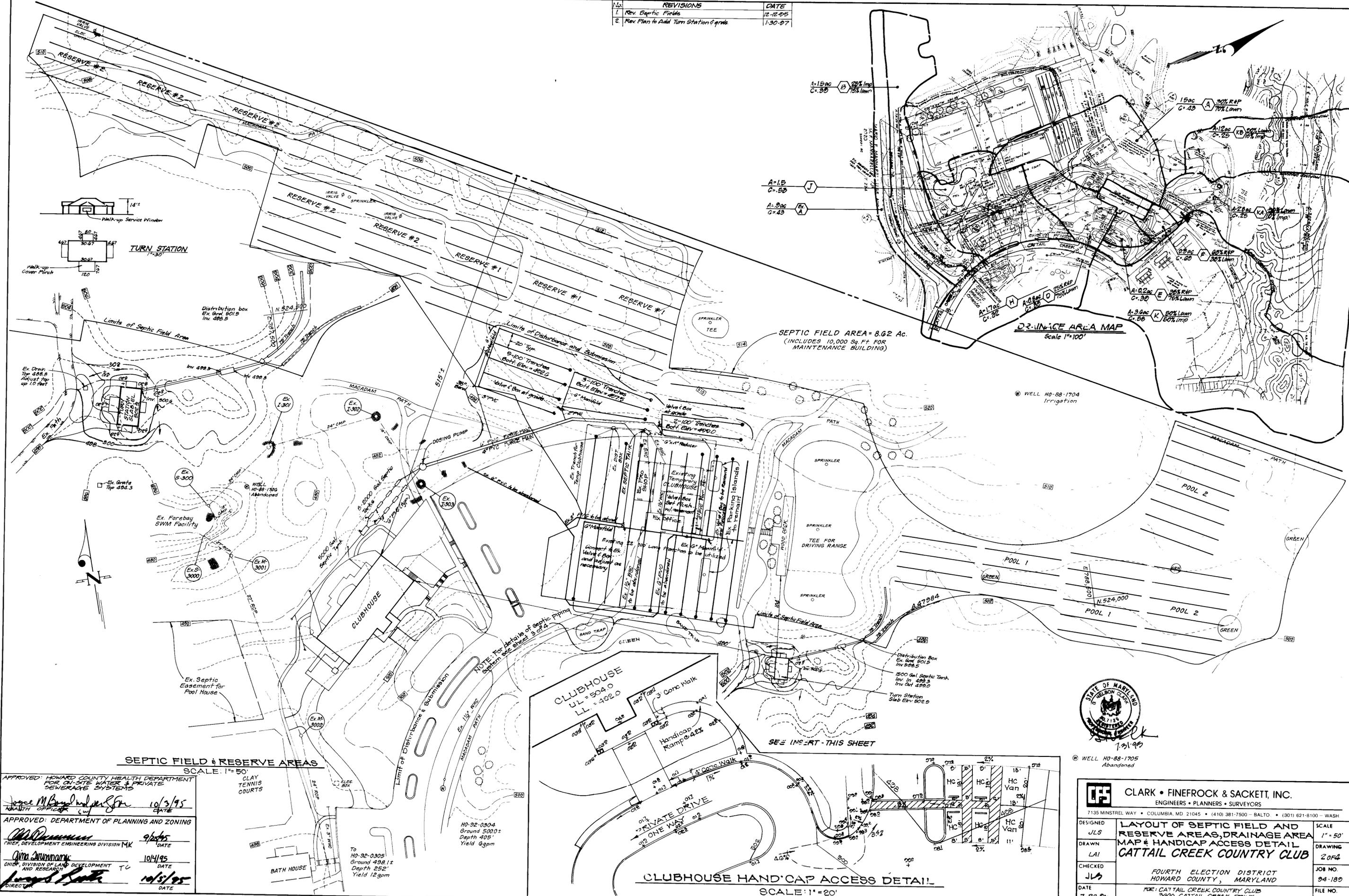
APPROVED: DEPARTMENT OF PLANNING AND ZONING
John J. Sturman 9/25/95
 Chief, Development Engineering Division MK Date
John J. Sturman 10/14/95
 Chief, Division of Land Development and Research Date
Joseph R. Korte 10/5/95
 Director Date

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Sediment and Erosion 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 *John R. Robertson* 7-21-95
 Date



CLARK • FINEROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALTO • (301) 621-8100 WASH		
DESIGNED JLS	SEDIMENT AND EROSION CONTROL PLAN CATTAIL CREEK COUNTRY CLUB FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE 1"=30'
DRAWN ZAH		DRAWING 3 of 4
CHECKED JLB		JOB NO. 24-180
DATE 7-23-95	FOR: Cattail Creek Country Club 3800 Cattail Creek Drive Glenwood, Maryland 21738	FILE NO. 24-180-X

NO.	REVISIONS	DATE
1	Rev. Septic Fields	12-12-95
2	Rev. Plan to Add Turn Station & grade	1-30-97



SEPTIC FIELD & RESERVE AREAS
SCALE: 1"=50'

APPROVED: HOWARD COUNTY HEALTH DEPARTMENT
FOR ON-SITE WATERS & PRIVATE SEWERAGE SYSTEMS

James M. Boyd 10/3/95
HEALTH OFFICER DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING

John J. ... 9/26/95
CHIEF, DEVELOPMENT ENGINEERING DIVISION MK DATE

John J. ... 10/4/95
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH TC DATE

James M. ... 10/5/95
DIRECTOR DATE

CLUBHOUSE HAND-CAP ACCESS DETAIL
SCALE: 1"=20'



© WELL H0-88-1705 Abandoned

CLARK • FINFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS		SCALE
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH		1" = 50'
DESIGNED	LAYOUT OF SEPTIC FIELD AND RESERVE AREAS, DRAINAGE AREA MAP & HANDICAP ACCESS DETAIL	DRAWING
JLS	CATTAIL CREEK COUNTRY CLUB	20F4
DRAWN		JOB NO.
LAI		94-189
CHECKED		FILE NO.
JLS	FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	94-189-X
DATE	FOR: CATTAIL CREEK COUNTRY CLUB 3900 CATTAIL CREEK DRIVE GLENWOOD, MARYLAND 21736	
7-23-96		

