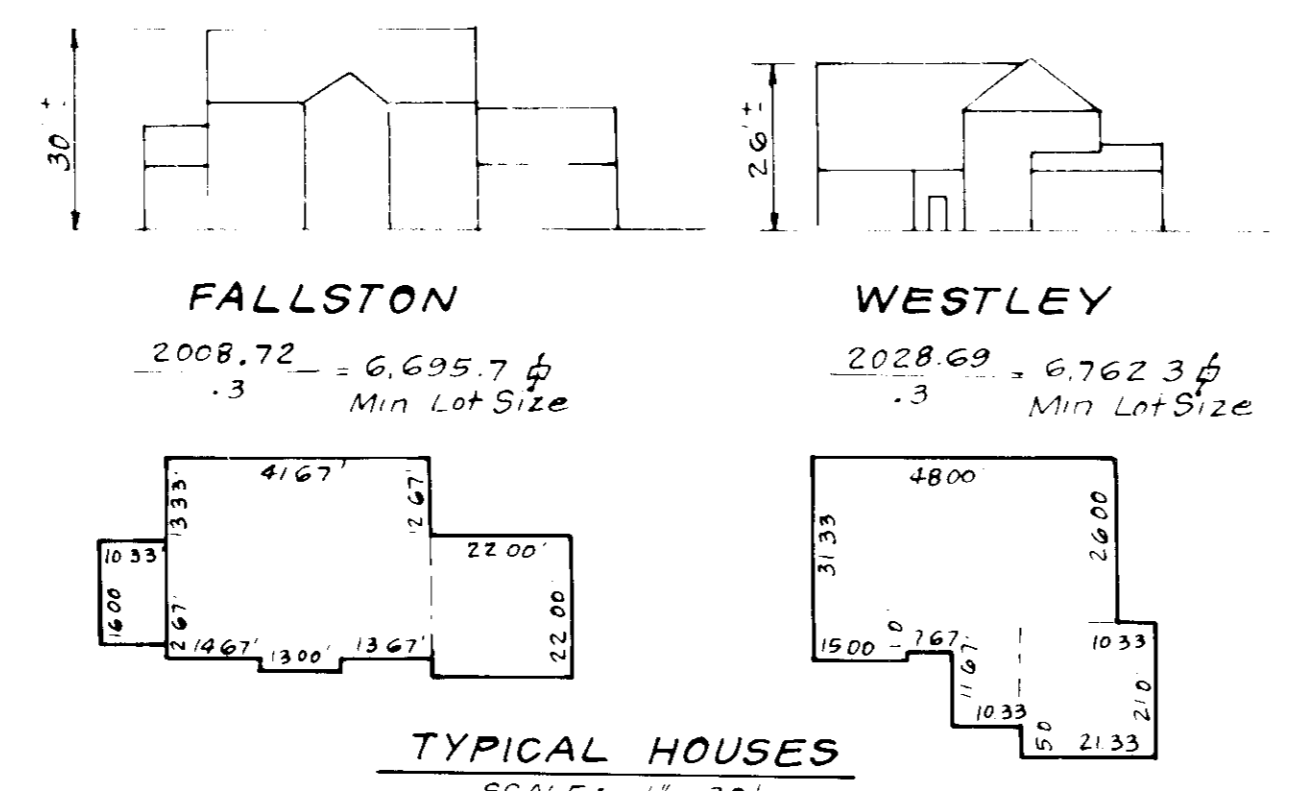
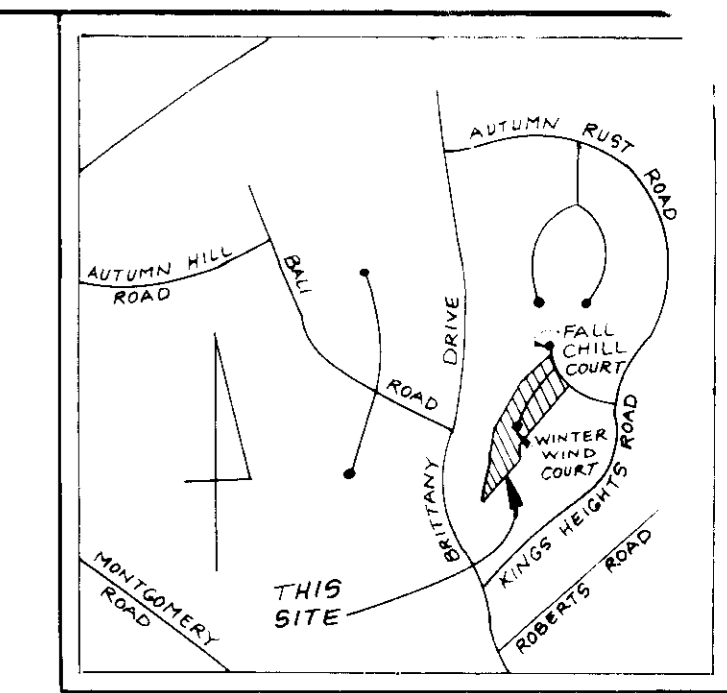
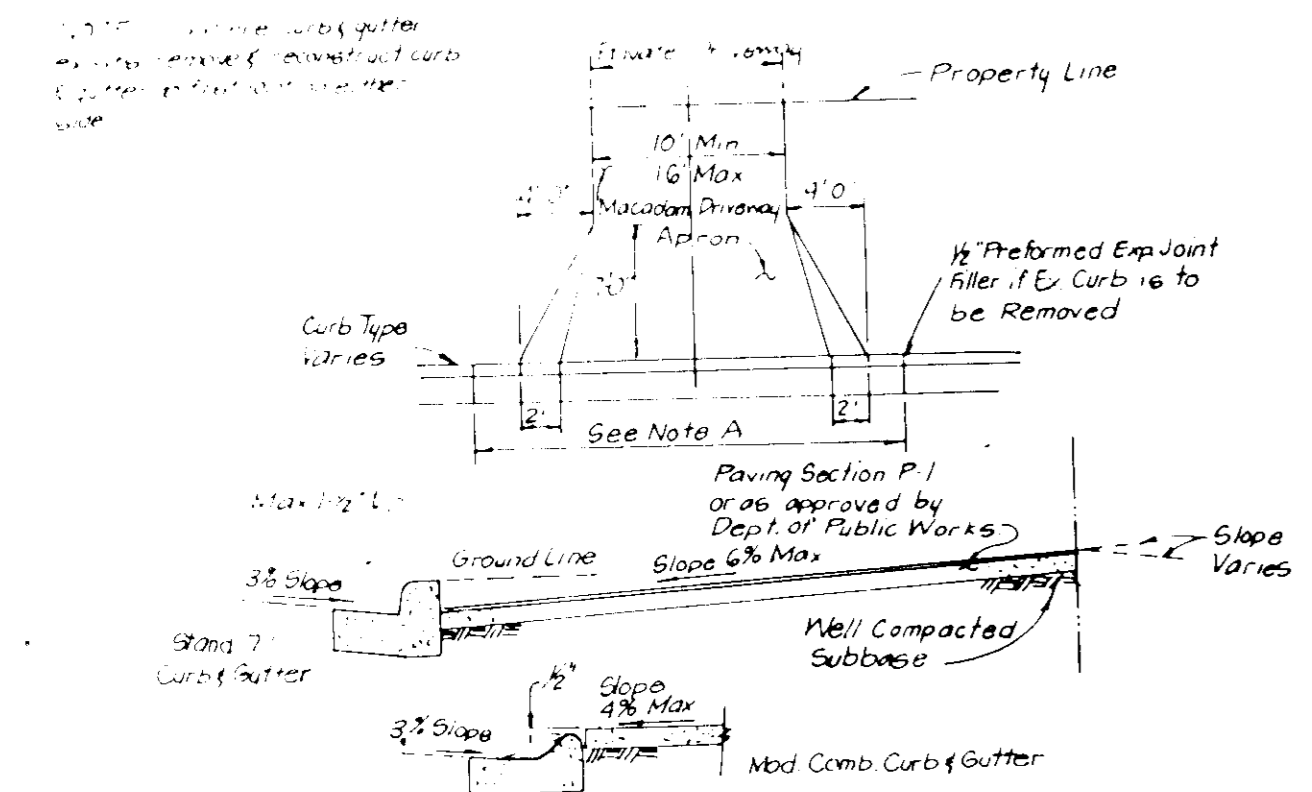


LEGEND

Contour Interval 2 FT
 Existing Contour 410
 Proposed Contour 410
 Spot Elevation +10.0
 Direction of Drainage
 Walkout Basement
 Trees to be Saved



DRIVEWAY ABUTTING CLOSED SECTION WITH STR. 7" COMB CURB & GUTTER & SIDEWALK SET BACK FROM CURB



DRIVEWAY ABUTTING CLOSED SECTION WITHOUT CONCRETE SIDEWALK

GENERAL NOTES

- The land included in this plan is zoned R-20.
- Coordinates shown are based on the Maryland State Plane Coordinate System as projected by Howard County Control Station Nos. 3049001, 3049006.
- All roadways are public and existing.
- Total area included in this plan 3.21 Acres.
- Any damage to county owned rights of way shall be corrected at the developer's expense.
- Total number of lots included in this plan 7.
- For flag or pipestem lots, refuse collection, snow removal, and maintenance to be provided to the junction of the flag or pipestem driveway.
- Topo taken from plans by Fisher Collins Carter 9 File Nos.: S-80-14, F-88-141, P-87-78.
- Storm Water Management provided in Autumn Manor 1/1, F-85-134.

SPECIAL NOTES

- Approved Road Construction Plans shall be used for all public utilities.
- Public water/sewer shown for reference only, for more detailed information see water/sewer plans contract no. 14-1502.
- The water/sewer connections not included in a Developer's Agreement shall conform to the Howard County Plumbing Code. The on-site W/C shall be 1" copper and the S/C shall be 4" iron.

ADDRESS CHART

LOT	STREET ADDRESS
116	8303 WINTER WIND CT.
117	8307 " " " "
118	8311 " " " "
120	8317 " " " "
121	8318 " " " "
122	8314 " " " "
123	8310 WINTER WIND CT.

OWNER/DEVELOPER
 Howard County Sanitarium Co. Inc.
 c/o Howard County Land Services, Inc.
 8307 Main Street
 Ellicott City, Maryland 21043

Subdivision Name	AUTUMN MANOR	Sec't / Area	1 / 2	Lots	116-118, 120-123
Plot No.	8397, 8398	Block No.	19	Zone	R-20
Water Code	F05	Sewer Code	1400810	Elec. Distr.	2nd
				Census Tr.	6024

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: [Signature] DATE: 9-18-89

APPROVED FOR THE DEPARTMENT OF PLANNING & ZONING
 [Signature] DATE: 10-3-89

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR: [Signature] DATE: 9-6-89

APPROVAL
 DIVISION OF
 COMMUNITY PLANNING
 & LAND DEVELOPMENT
 HOWARD COUNTY,
 MARYLAND
 DATE: 9-15-89

No	Rev. hse. & grd lots 116, 117 & 118	Date
1		3-12-90

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: VHL
 DRAWN: G.S.
 CHECKED: JME

SITE DEVELOPMENT PLAN
LOTS 116-118, 120-123
AUTUMN MANOR
 SECTION 1 AREA 2
 SECOND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

DATE: May 5, 1989
 For: American Standard Construction, Inc.
 8841 Monard Drive
 Silver Spring, Md 20910

SCALE: 1" = 30'
 DRAWING: 1 OF 2
 JOB NO: 89-018
 FILE NO: 89-018X

SDP-89-23-4

Apply to graded or cleared areas not subject to immediate further disturbance where permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow 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 (13 lbs/1000 sq ft) before seeding. Narrow 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 (1.5 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 50 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 15 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 grain straw immediately after seeding. Anchor mulch immediately after application using a chocking 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.

Inspection - Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be disturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking, disking 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 25 bushel per acre of annual ryegrass (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 15 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching - Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using a chocking 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.

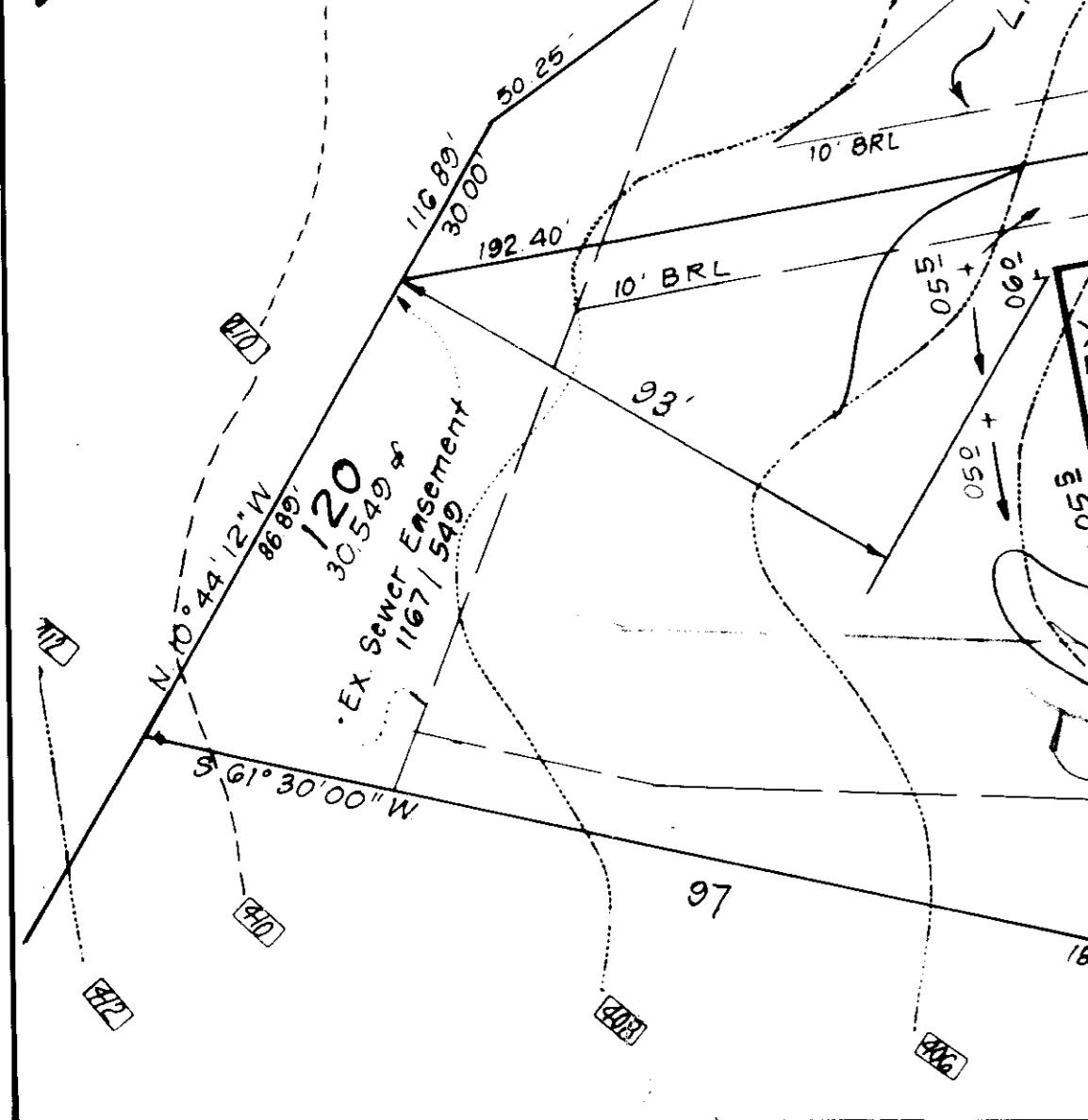
Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

CONSTRUCTION SEQUENCE:

A. Obtain Grading Permit and Install Sediment and Erosion Control Devices and Stabilize.	# OF DAYS
B. Excavate for foundations and Rough Grade & temporarily stabilize.	7
C. Construct Structures, Sidewalks and Driveways.	30
D. Final Grade and stabilize in accordance with Stds. & Specs.	120
E. Upon approval of the sediment control inspector, remove sediment and erosion controls and stabilize.	30
	7

Reviewed for HOWARD S.C.D. Name: Howard S.C.D.
 and meet Technical Requirements
John M. ... 8/29/89
 Signature
 U.S. Soil Conservation Service

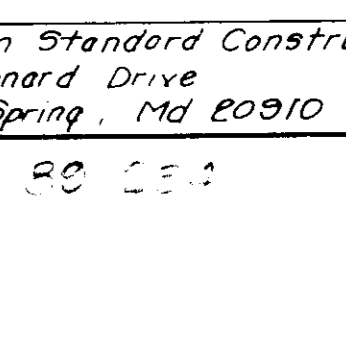
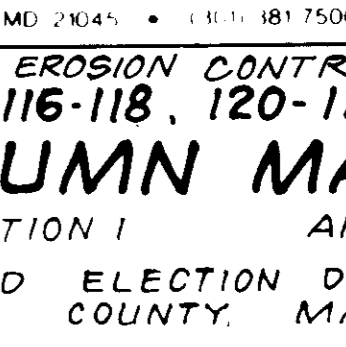
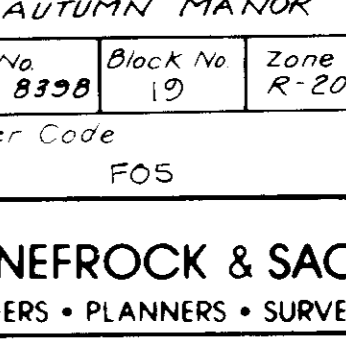
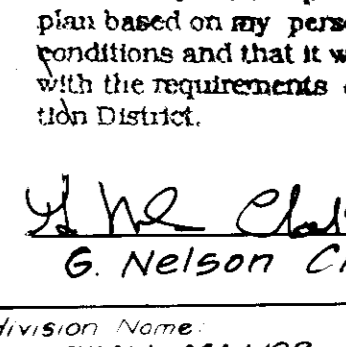
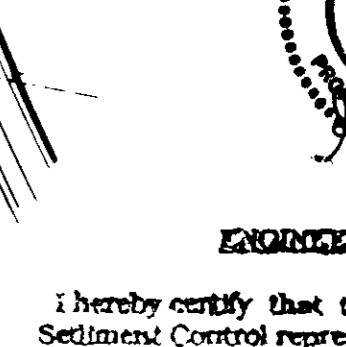
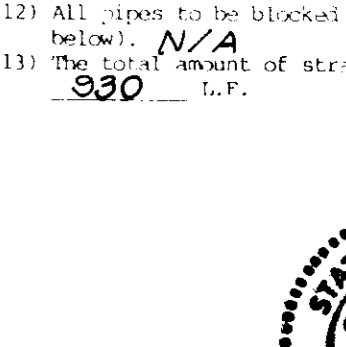
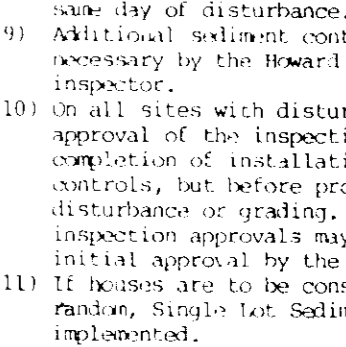
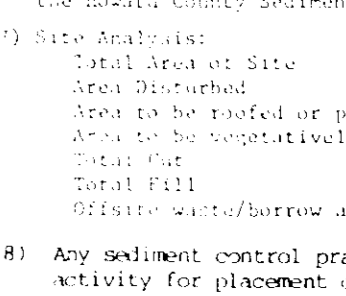
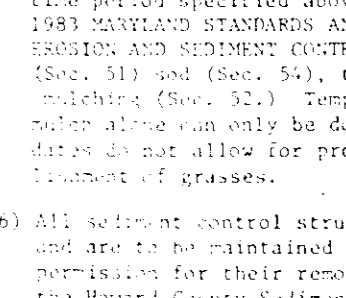
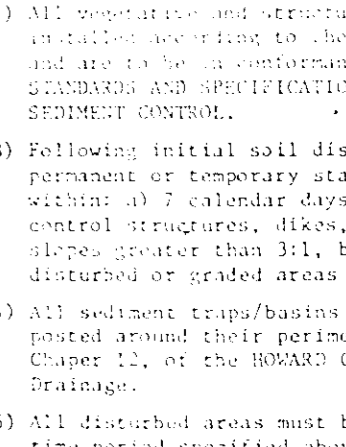
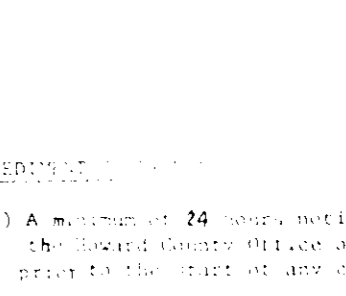
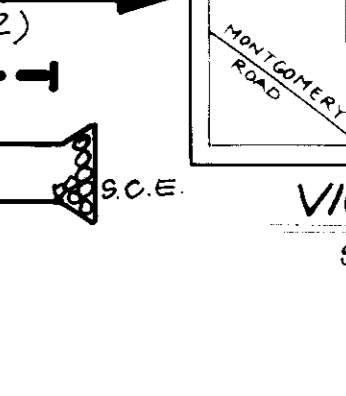
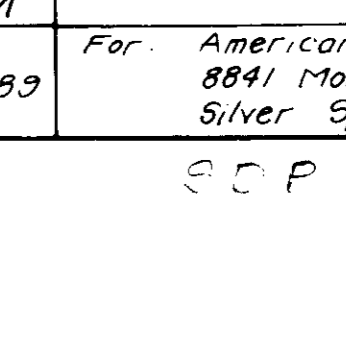
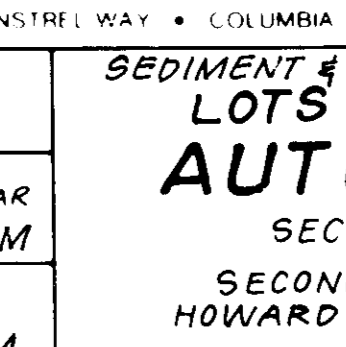
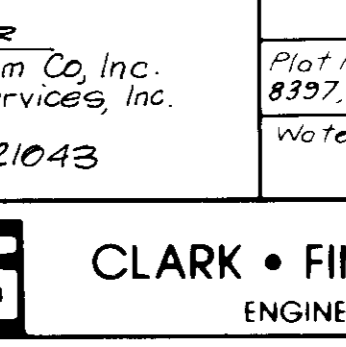
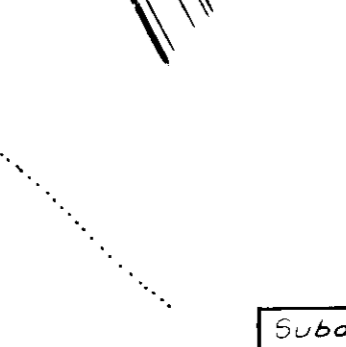
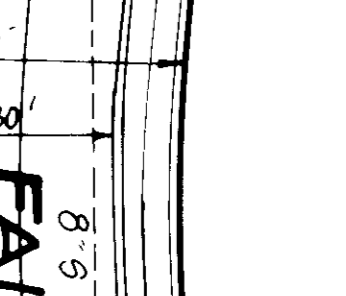
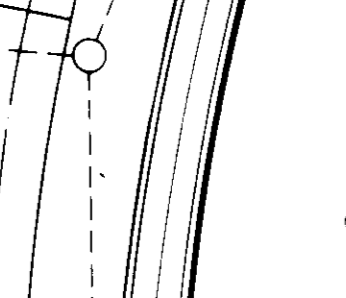
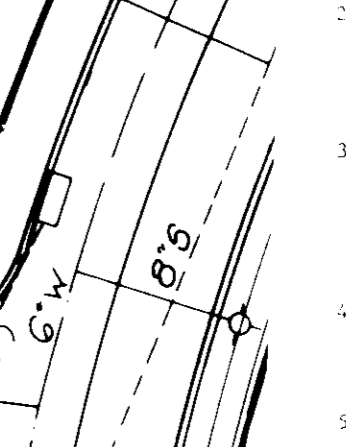
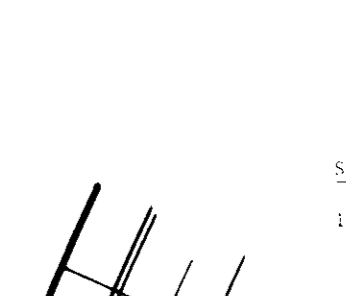
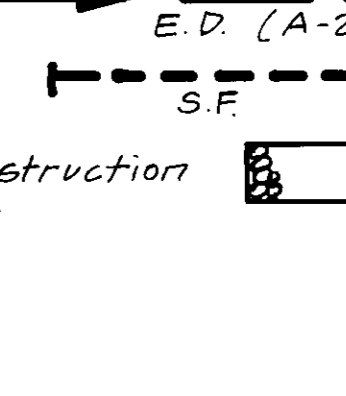
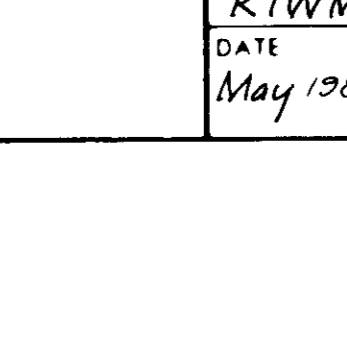
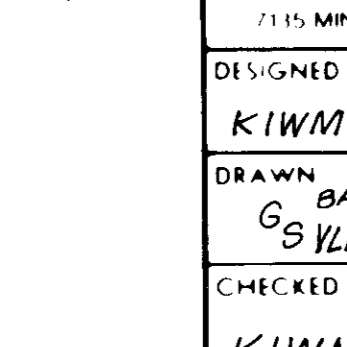
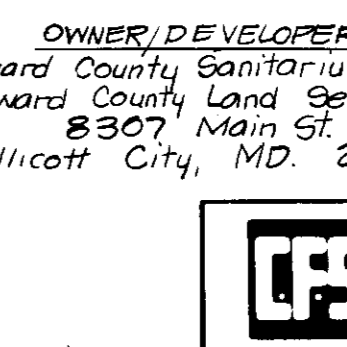
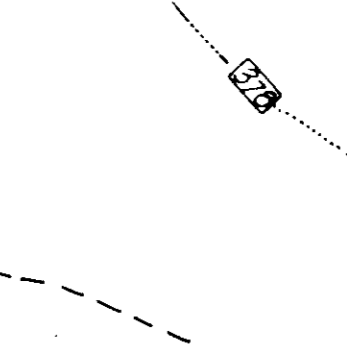
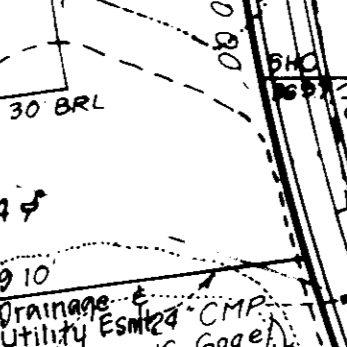
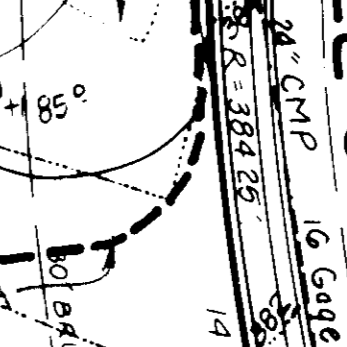
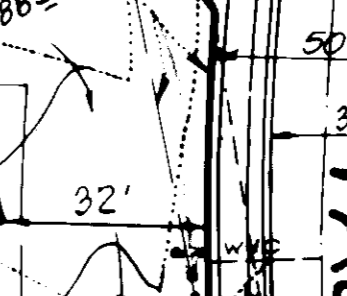
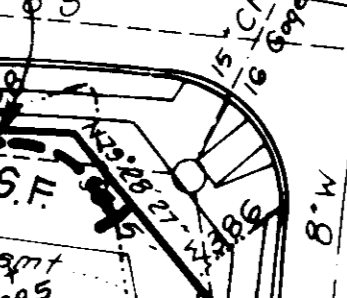
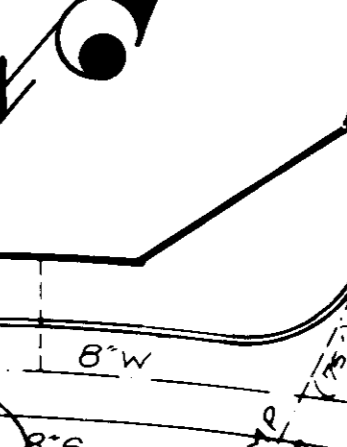
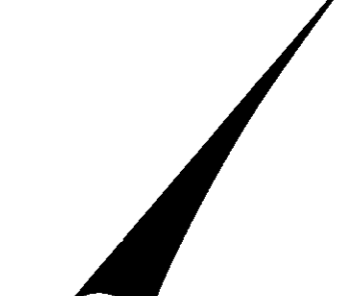
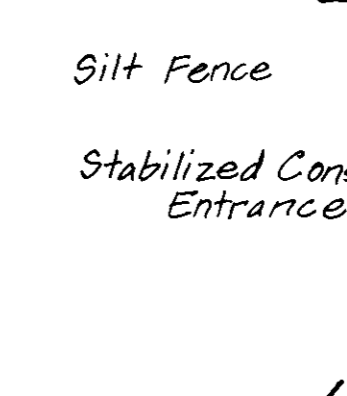
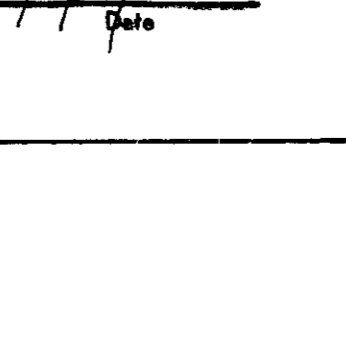
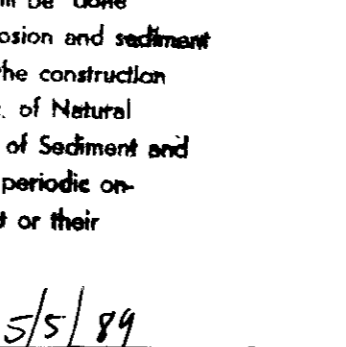
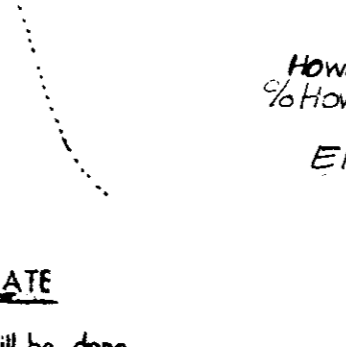
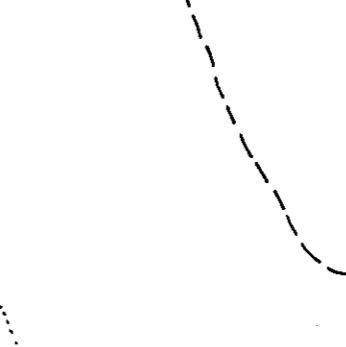
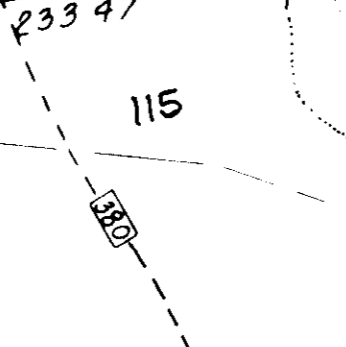
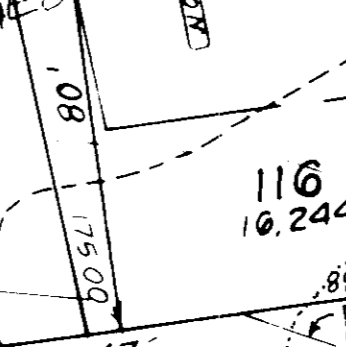
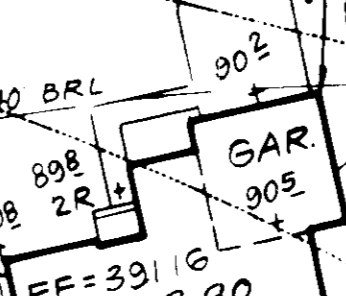
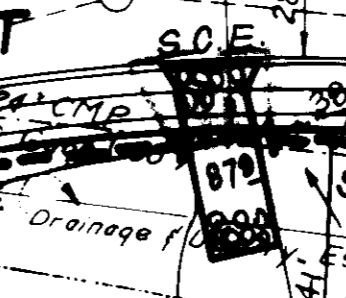
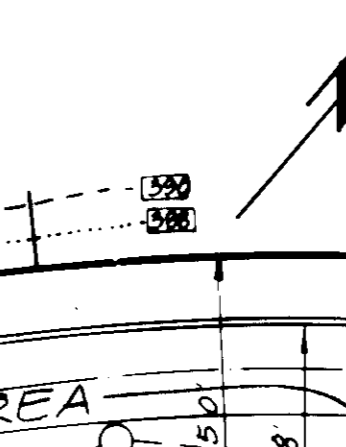
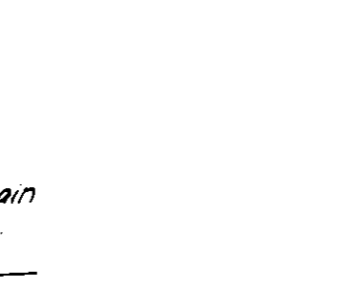
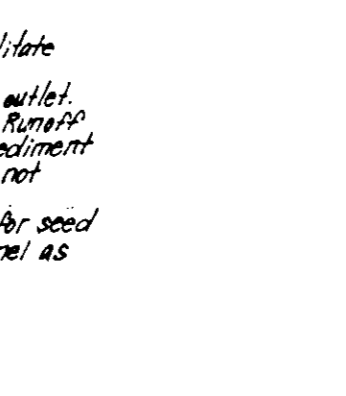
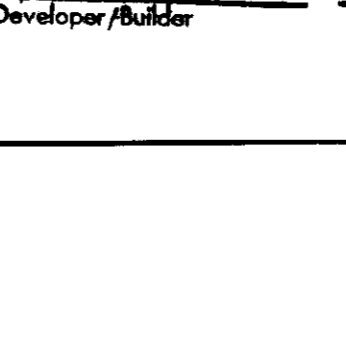
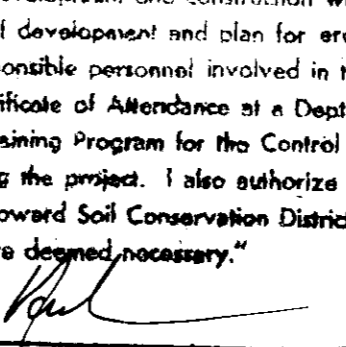
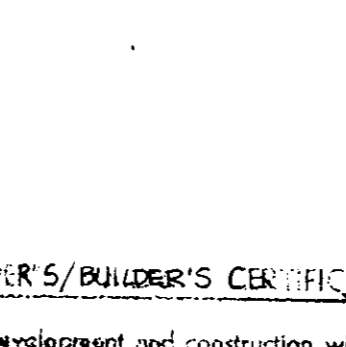
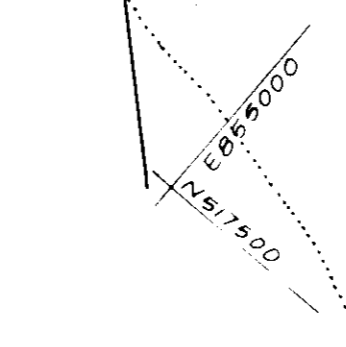
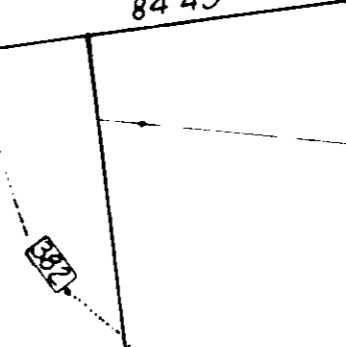
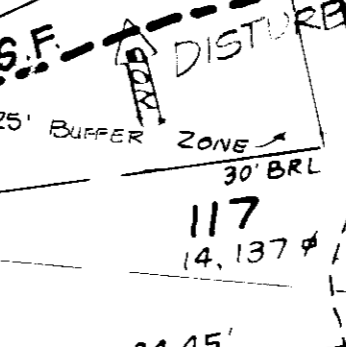
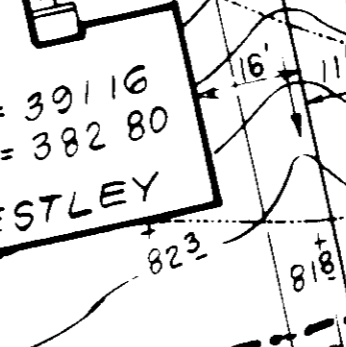
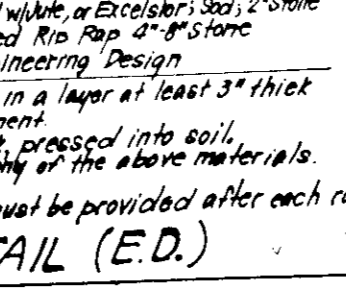
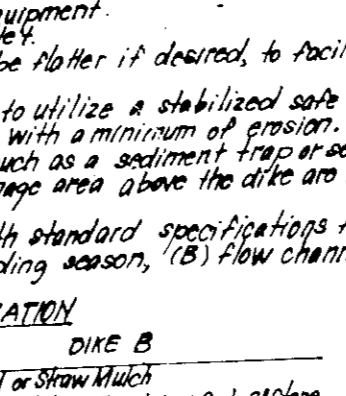
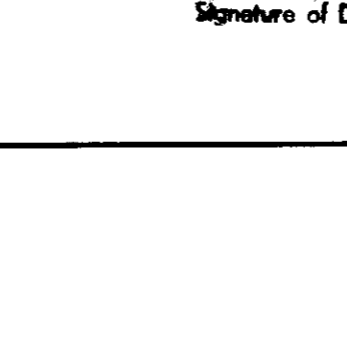
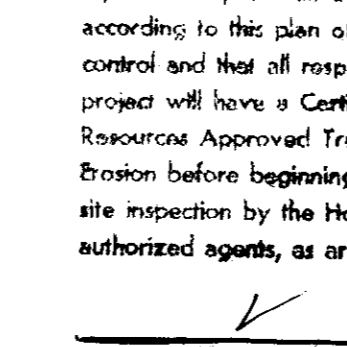
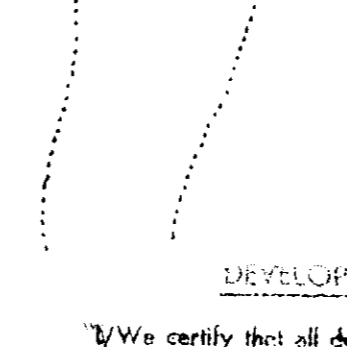
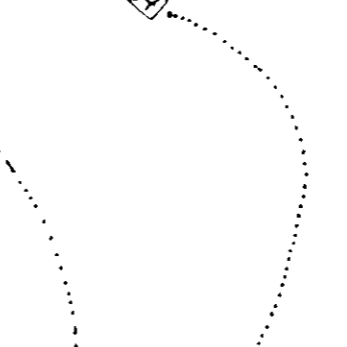
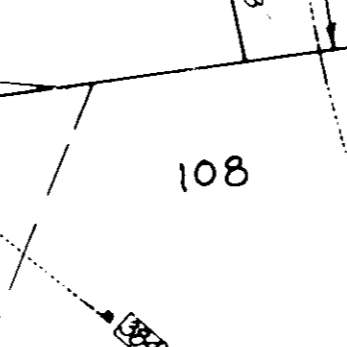
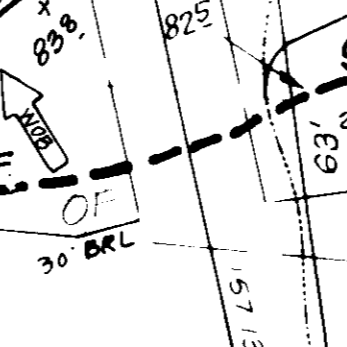
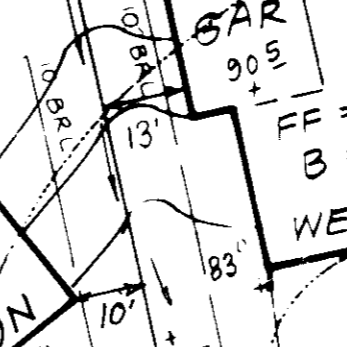
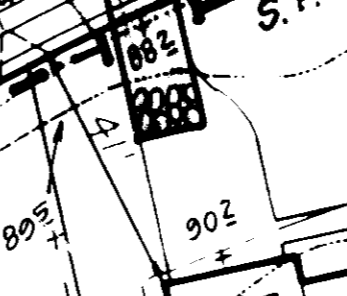
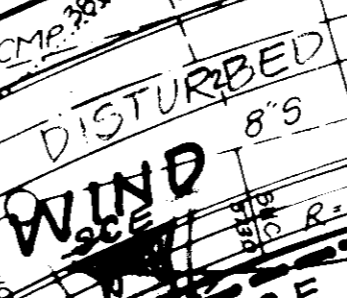
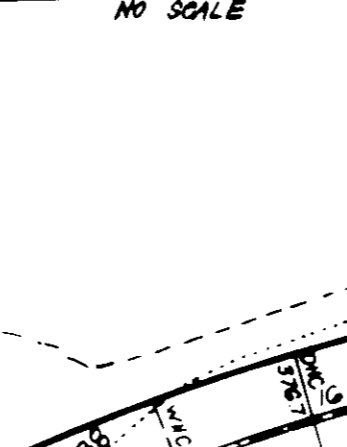
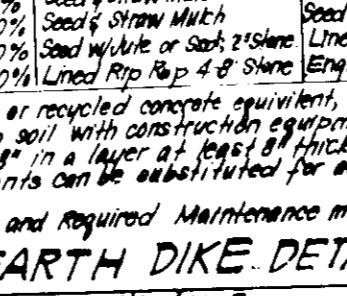
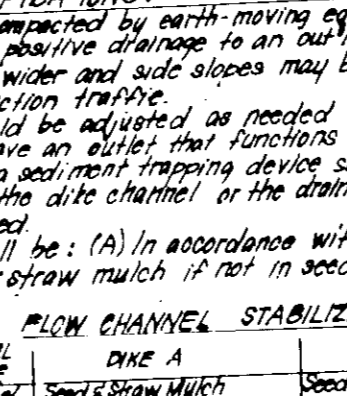
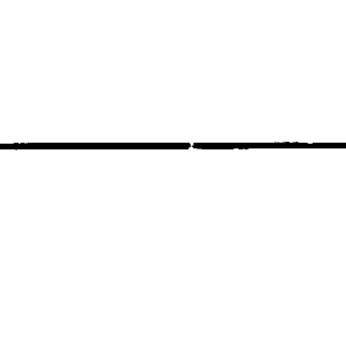
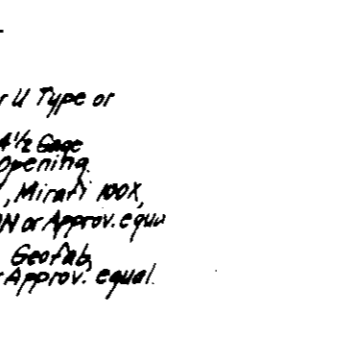
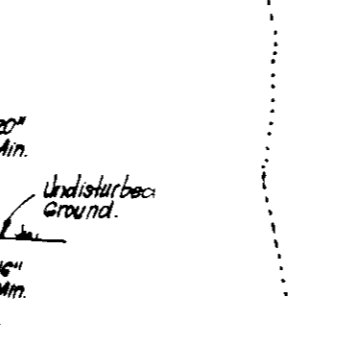
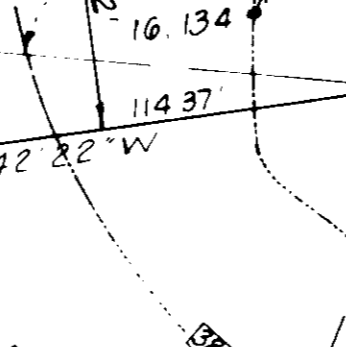
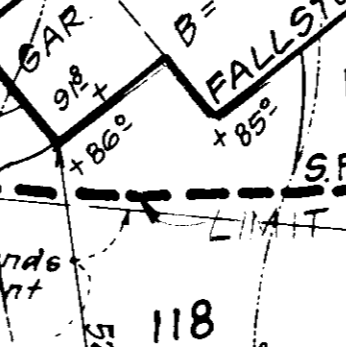
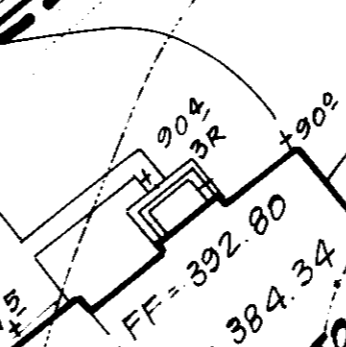
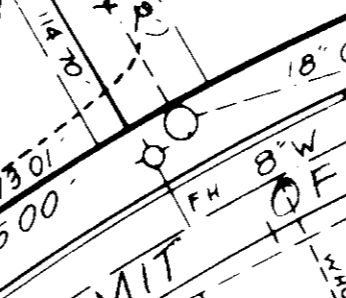
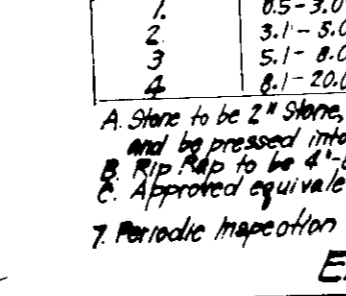
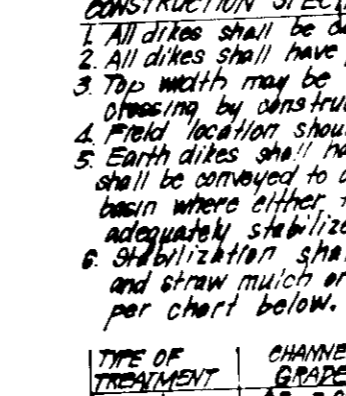
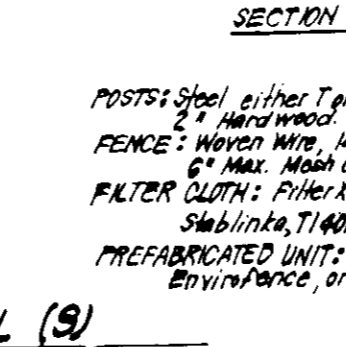
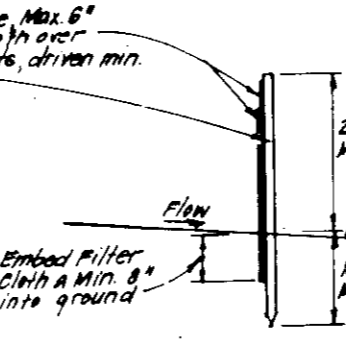
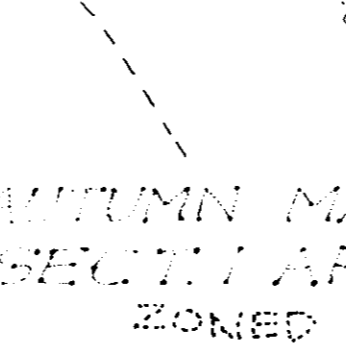
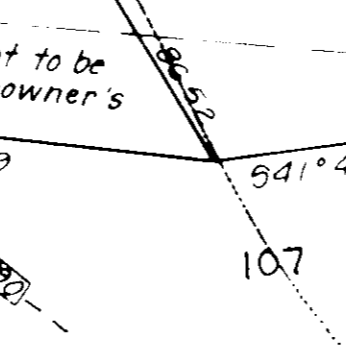
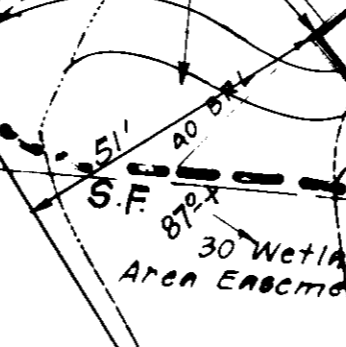
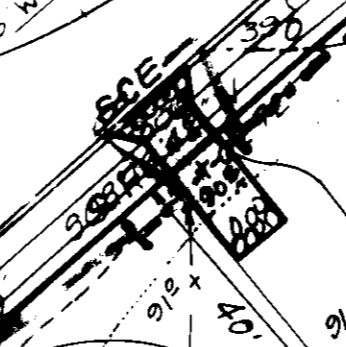
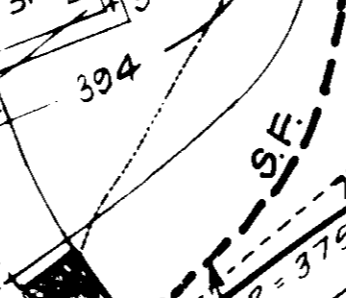
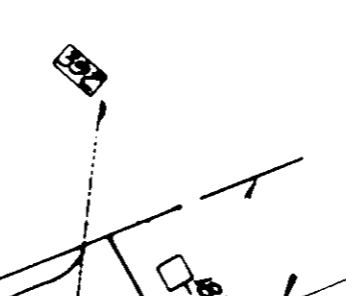
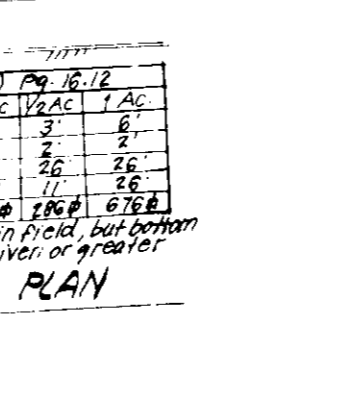
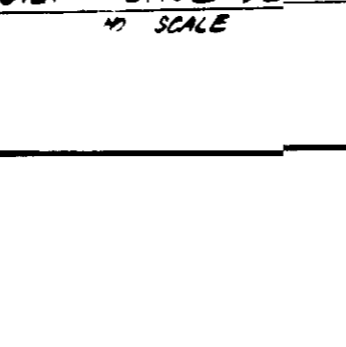
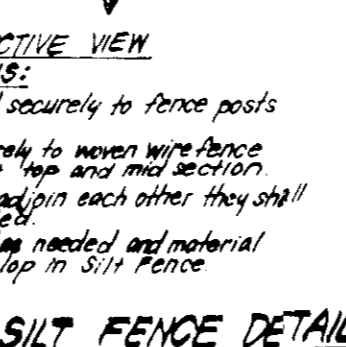
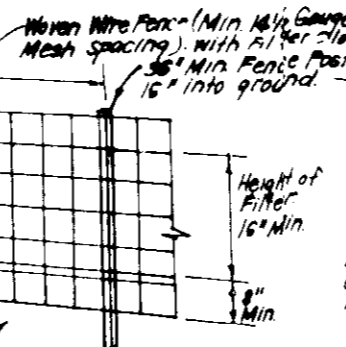
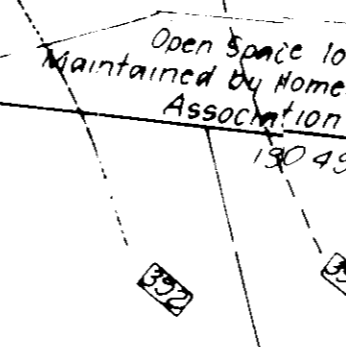
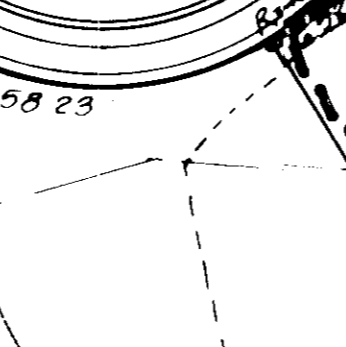
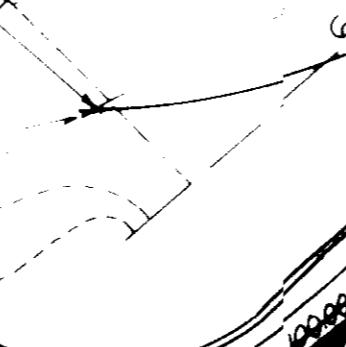
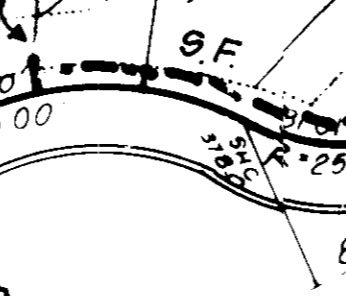
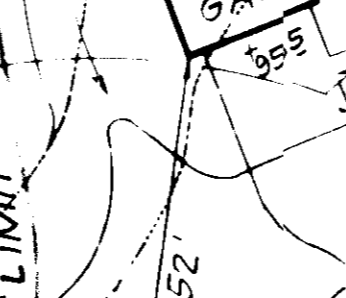
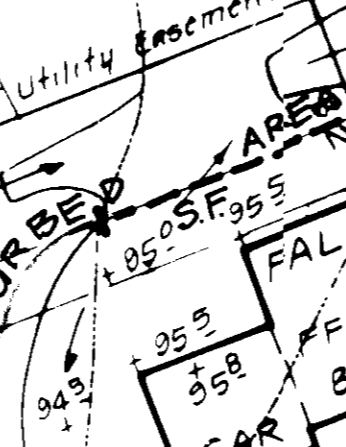
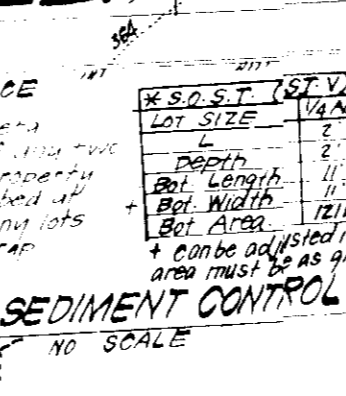
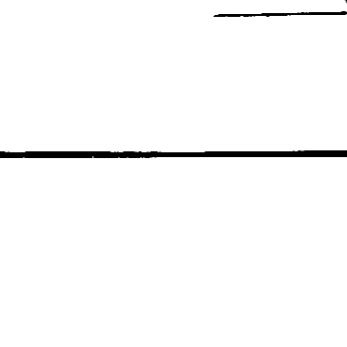
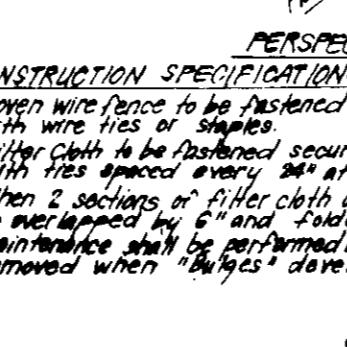
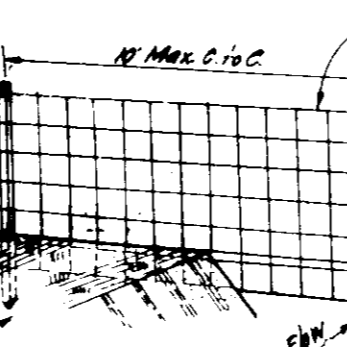
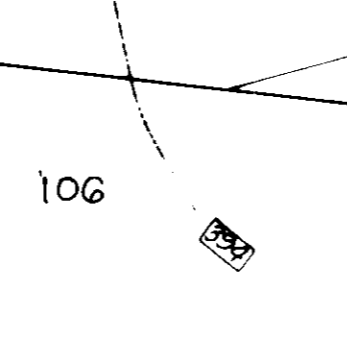
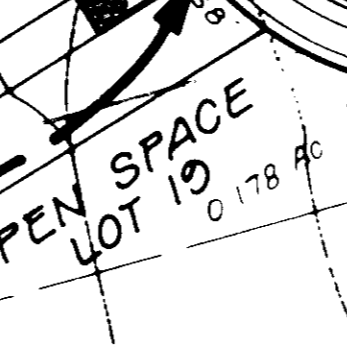
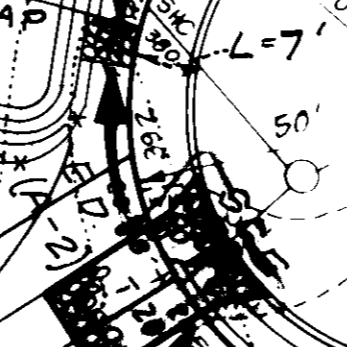
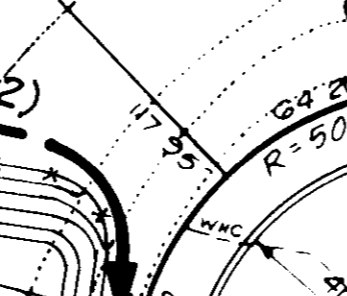
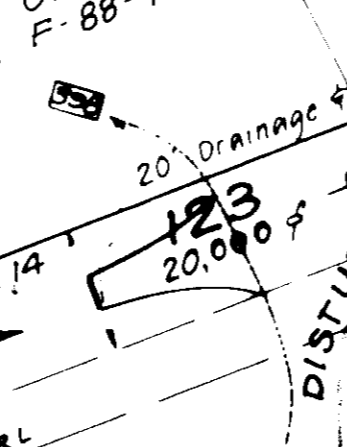
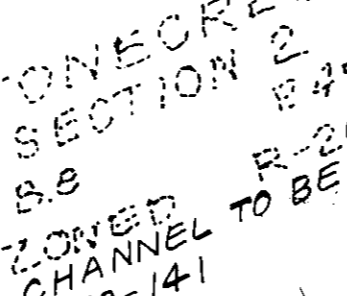
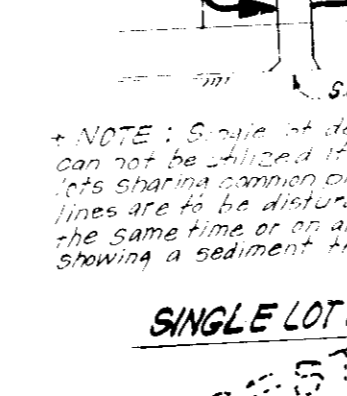
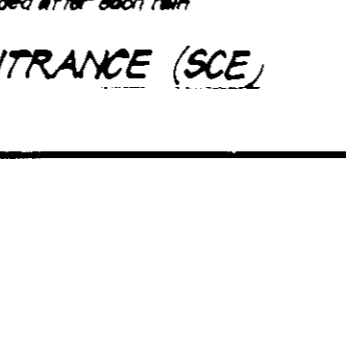
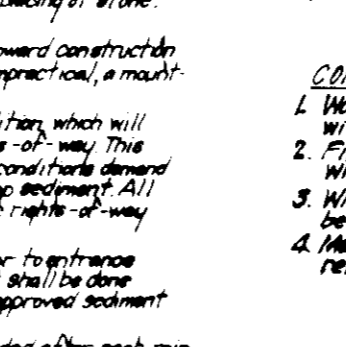
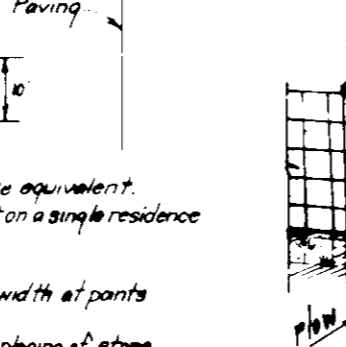
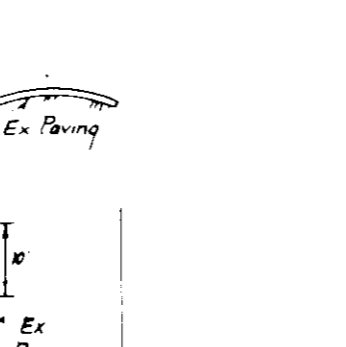
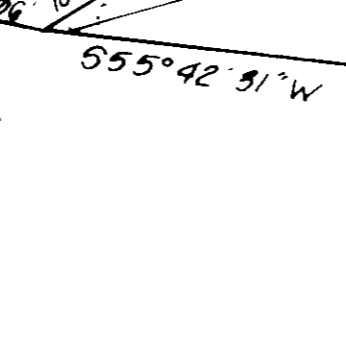
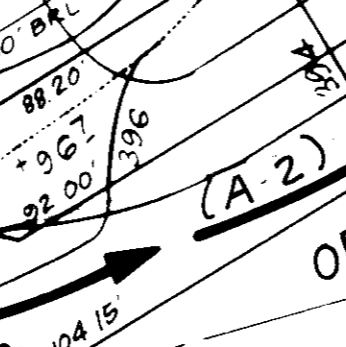
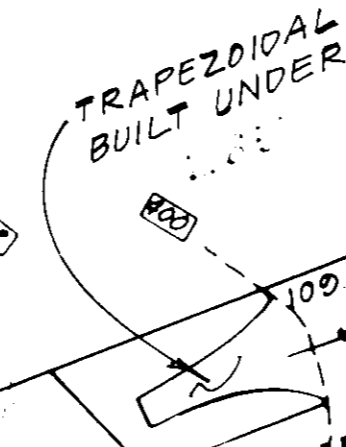
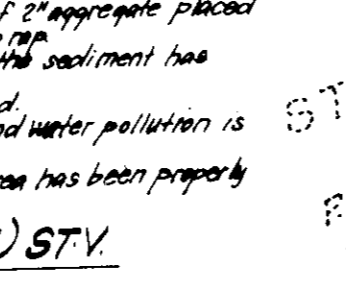
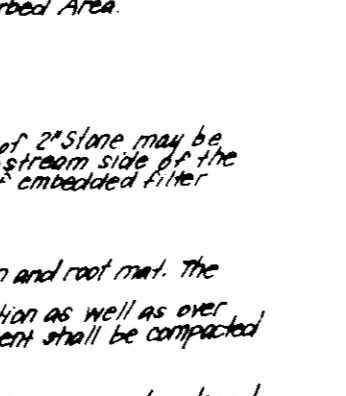
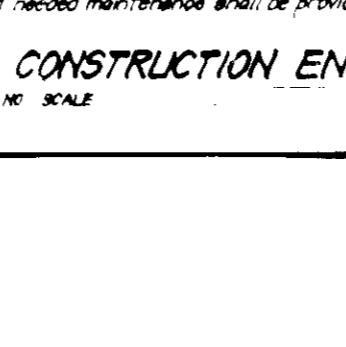
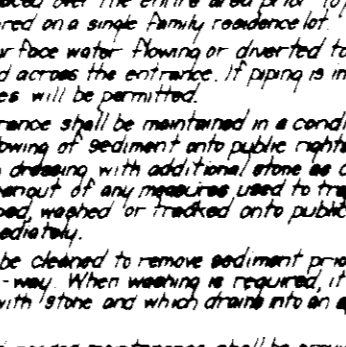
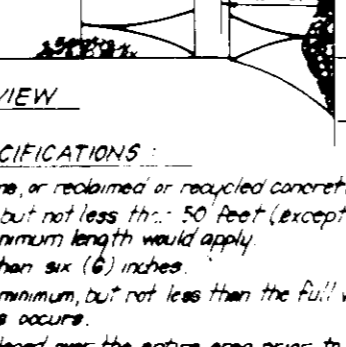
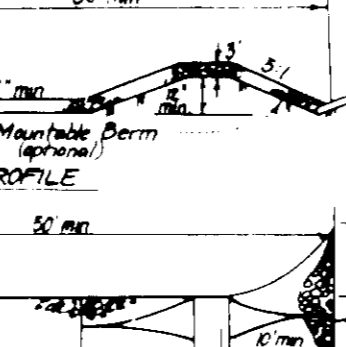
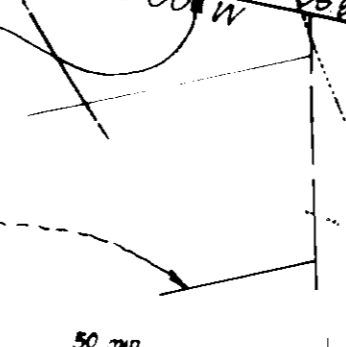
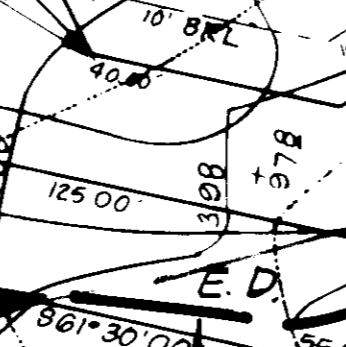
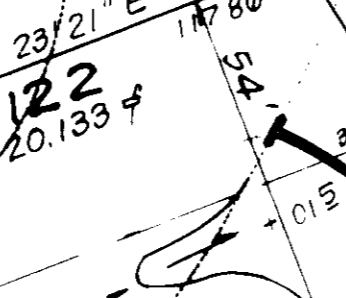
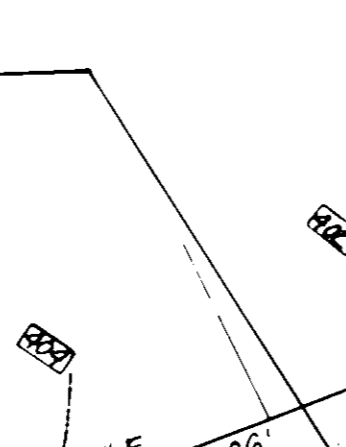
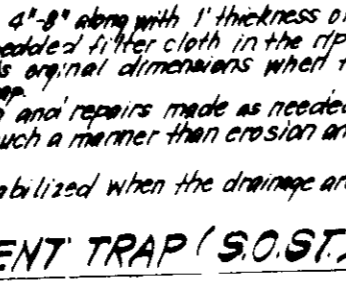
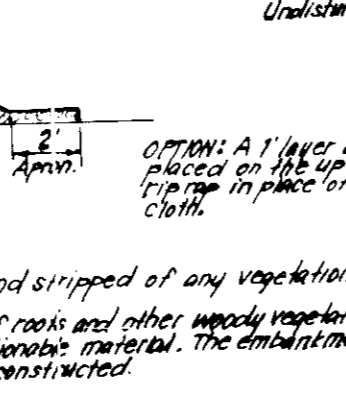
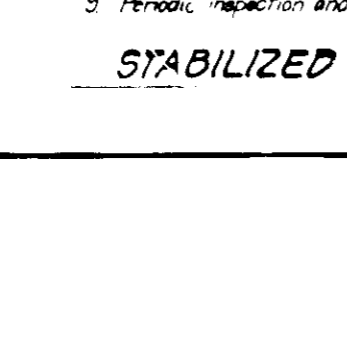
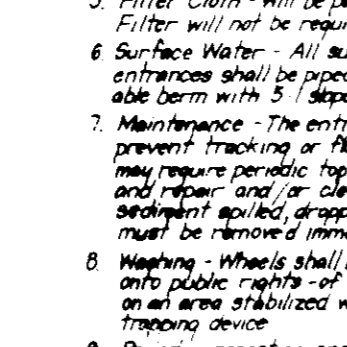
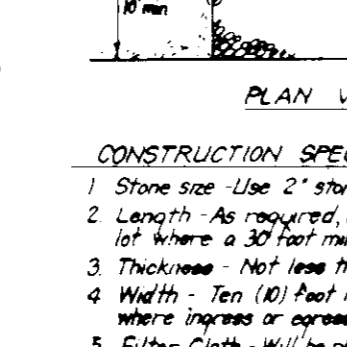
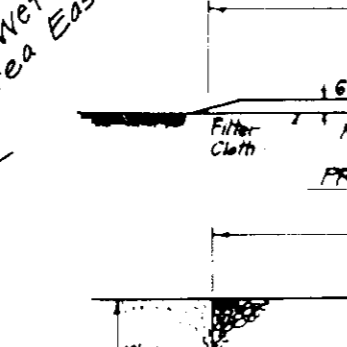
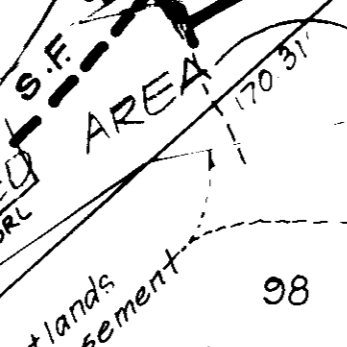
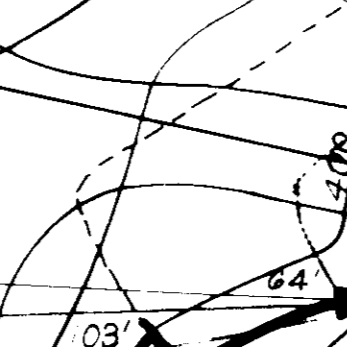
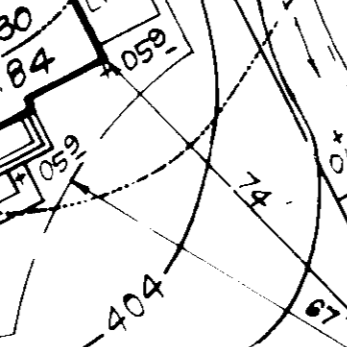
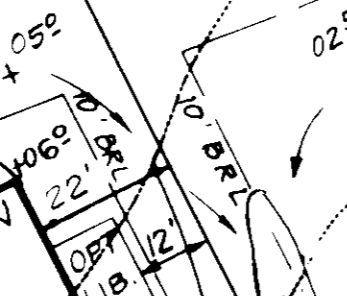
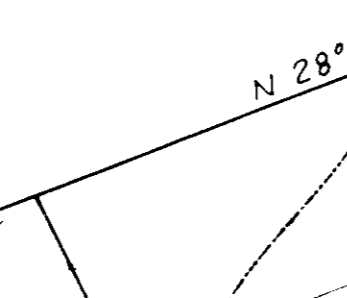
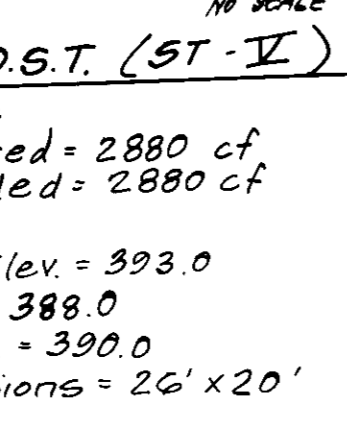
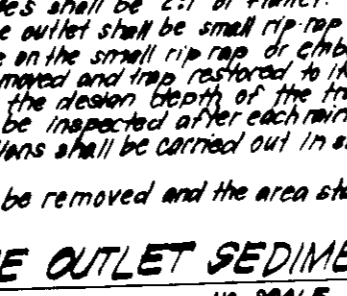
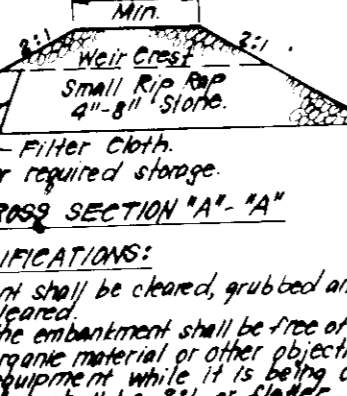
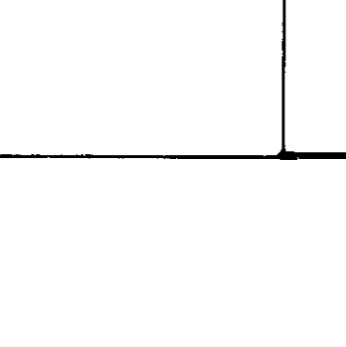
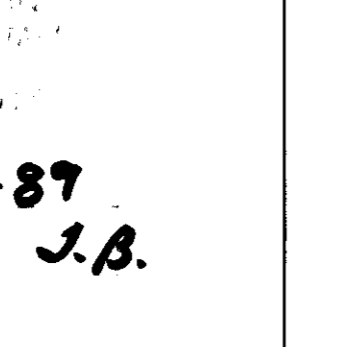
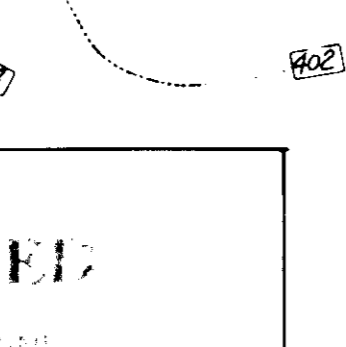
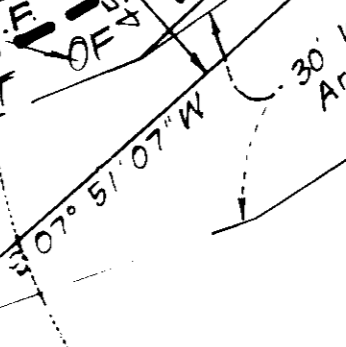
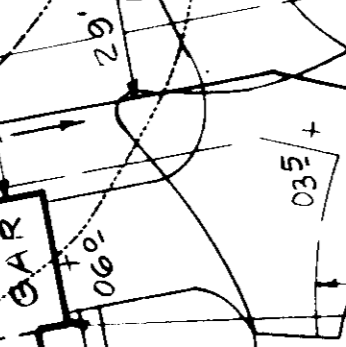
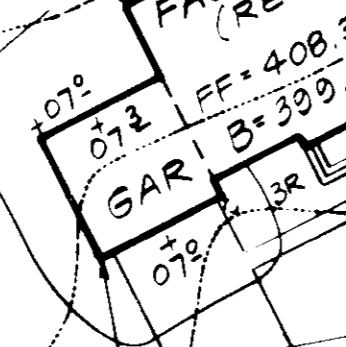
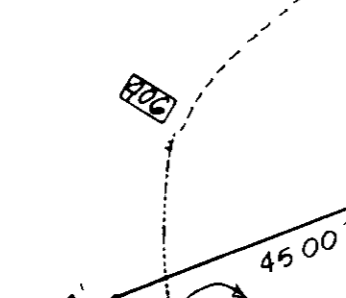
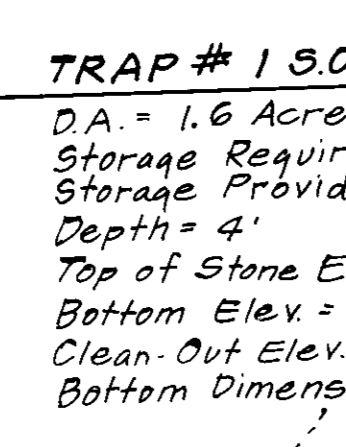
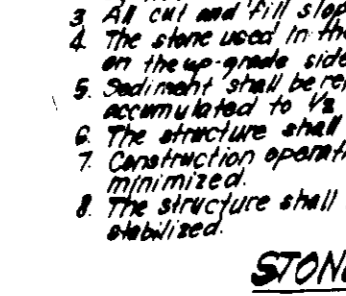
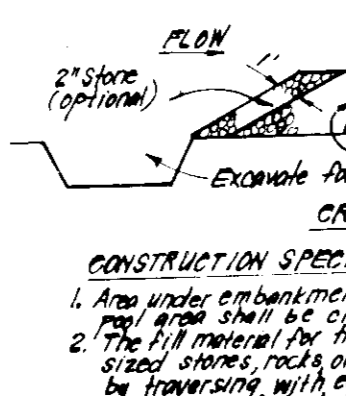
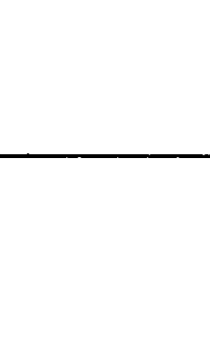
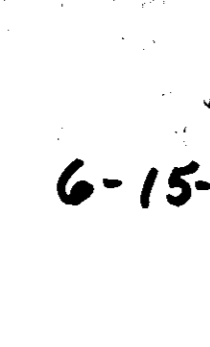
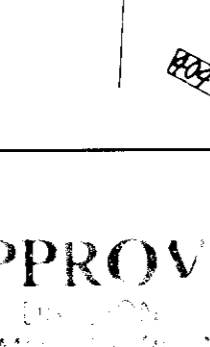
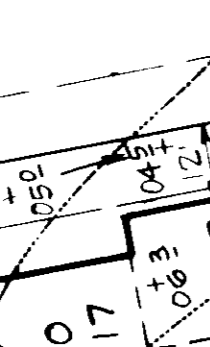
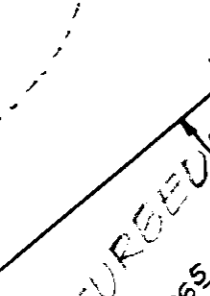
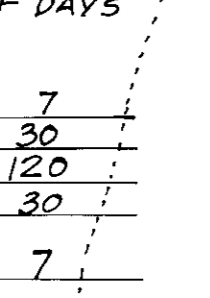
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
John K. ... 8/29/89
 Approved Date



APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
John ... 9-18-89
 COUNTY HEALTH OFFICER DATE

APPROVED DEPARTMENT OF PLANNING & ZONING
John ... 10-2-89
 DIRECTOR DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John ... 9-6-89
 DIRECTOR DATE



LEGEND

Contour Interval 2 FT

Existing Contour 910

Proposed Contour 910

Spot Elevation +10*

Direction of Drainage

Walkout Basement

Trees to be Saved

Earth Dike E.D. (A-2)

Silt Fence S.F.

Stabilized Construction Entrance SCE

VICINITY MAP

Scale 1" = 200'

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permitting prior to the start of any construction.
- 2) All construction and structural practices are to be in accordance with 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 redisturbance, permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures, dikes, perimeter dikes, and all slopes greater than 3:1. It is the responsibility of the contractor to provide and maintain all other disturbed or graded areas on this project site.
- 4) All sediment traps/basins shall be fenced and warning signs posted around their perimeter in accordance with Section 11 of the HOWARD COUNTY DISTRICT 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 seeding, 50% (30 and 60% for temporary seeding) and 100% (50% and 100%) for temporary stabilization with sod. Sod may only be used when recommended seeding rates are not allowed 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 removed. For their removal, a permit must be obtained from the Howard County District Control Inspector.
- 7) Site Analysis:
 Total Area of Site 3.20 Acres
 Area Disturbed 2.72 Acres
 Area to be seeded or paved 0.62 Acres
 Area to be vegetatively stabilized 0.55 Acres
 Total Full 4.66 Acres
 Disturbance/borrow area location N/A
- 8) Any sediment control practice which is hazardous by grading activity for placement of utilities must be repaired on the day of disturbance.
- 9) Additional sediment control must be provided, if deemed necessary by the Howard County District Control Inspector.
- 10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be required upon completion of installation of permanent sediment control structures, but before proceeding with any other grading, disturbance or grading. Other grading or grading inspection agencies may be used with written and signed initial approval by the inspection agency in advance.
- 11) If houses are to be constructed on a "No-Soil" basis, at least one sample for sediment control is shown below and to be implemented.
- 12) All pipes to be blocked at the end of each day of disturbance.
- 13) The total amount of straw bale disposal from spaces 330' L.F.

OWNER/DEVELOPER
 Howard County Sanitarium Co. Inc.
 6 Howard County Land Services, Inc.
 8307 Main St.
 Ellicott City, MD 21043

DESIGNED
 KIWM

DRAWN
 G.S.V.M.

CHECKED
 KIWM

DATE
 May 1989

DEVELOPER'S/BUILDER'S CERTIFICATE

"We certify that all development and construction will be done according to the plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Signature of Developer/Builder
 5/5/89 Date

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS

7115 MINISTREL WAY • COLUMBIA MD 21045 • (301) 881-7500 BALTO • (301) 621-8888 WASH