

SHEET INDEX

- 1 - SITE DEVELOPMENT PLAN
- 2 - GRADING & SEDIMENT CONTROL PLAN
- 3 - DETAILS, PROFILES

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 13011 223-0070, 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:
 - MISS 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 (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK) 792-7272
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-00" OF EXTERIOR MANHOLE WALLS.
- PROFILES STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINE OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.

PARKING TABULATIONS

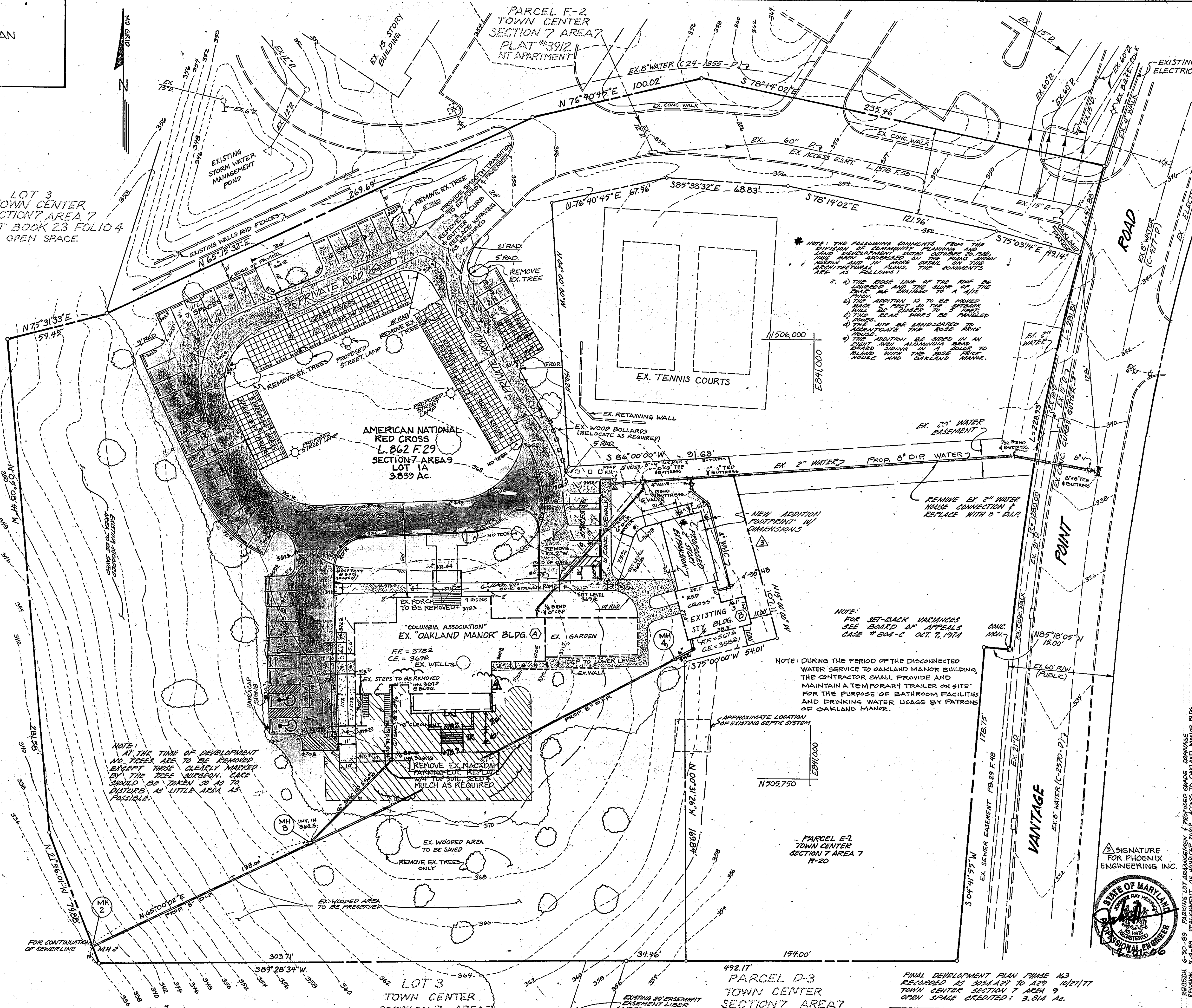
- A) OAKLAND MANOR:
- LOWER LEVEL: 1,728 S.F. AVAILABLE
 USES: OFFICES, INSTRUMENTAL STUDIO, ART STUDIO
 PARKING REQUIRED: 1 SPACE/200 S.F. 1,728 ÷ 200 = 9 SPACES
- FIRST FLOOR: 2,140 S.F. AVAILABLE
 USES: OFFICES, LIBRARY, COMMUNITY HALL
 PARKING REQUIRED: 1 SPACE/100 S.F. 2,140 ÷ 100 = 21 SPACES
- SECOND FLOOR: 2,460 S.F. AVAILABLE
 USES: MEETING ROOMS
 PARKING REQUIRED: 1 SPACE/100 S.F. 2,460 ÷ 100 = 25 SPACES
- B) RED CROSS BUILDING (W/EXPANSION) 5,670 S.F. AVAILABLE
 USES: OFFICES, BI-MONTHLY CLASSES
 PARKING REQUIRED: 7 SPACES/10 EMPLOYEES 6 FULL-TIME EMPLOYEES (6 + 10) X 7 = 4 SPACES
 PARKING REQUIRED: 1 SPACE/3 SEATS CLASSES TO BE APPROXIMATELY 15 PEOPLE 15 ÷ 3 = 5 SPACES
- TOTAL PARKING REQUIRED FOR OAKLAND MANOR 55 SPACES
 TOTAL PARKING REQUIRED FOR RED CROSS 9 SPACES
 TOTAL PARKING REQUIRED FOR SITE DEVELOPMENT 64 SPACES
 PER 122.A.7.C AND 127 OF THE HOWARD COUNTY ZONING REGULATIONS
 TOTAL PARKING PROVIDED BY THIS PLAN 75 SPACES
 TOTAL NO. OF STANDARD SPACES 42
 TOTAL NO. OF OVERFLOW SPACES 27
 TOTAL NO. OF HANDICAP SPACES (4 REQUIRED) 4

SITE TABULATION

- AS PER FOP 1163
- ZONING: NEW TOWN - OPEN SPACE CREDITED
- PROPOSED USE:
- OAKLAND MANOR: COMMUNITY CENTER, LIBRARY, INSTRUMENTAL STUDIO, MEETING HALL, OFFICES
- RED CROSS: OFFICES, EDUCATIONAL
- TOTAL SITE AREA: 3.814 AC. (166,138 S.F.)
- TOTAL BUILDING COVERAGE: (PROPOSED) 7,848 S.F. (4,728) (EXISTING) 6,468 S.F. (3,864)
- TOTAL OF GREEN OPEN SPACE: (PROPOSED) 145,780 S.F. (87,784) (EXISTING) 141,541 S.F. (85,204)
- TOTAL AREA OF EXISTING PARKING AREA 18,189 S.F.
- TOTAL AREA OF PROPOSED PARKING AREA 12,510 S.F.
- (NO AMENDMENT IS NECESSARY TO FOP 162-J)

LEGEND

- PROPOSED STREET LAMP
- PROPOSED PAVING
- EXISTING PAVING
- BUILDING DESIGNATION
- PROPOSED DRAINAGE FLOW



NOTE: AT THE TIME OF DEVELOPMENT NO TREES ARE TO BE REMOVED EXCEPT THOSE CLEARLY MARKED BY THE TREE SURVEYOR. CARE SHOULD BE TAKEN SO AS TO DISTURB AS LITTLE AREA AS POSSIBLE.

NOTE: DURING THE PERIOD OF THE DISCONNECTED WATER SERVICE TO OAKLAND MANOR BUILDING, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY TRAILER ON SITE FOR THE PURPOSE OF BATHROOM FACILITIES AND DRINKING WATER USAGE BY PATRONS OF OAKLAND MANOR.

NOTE: TRASH REMOVAL WILL BE BY DAILY PICK-UP. NO DUMPSTER WILL BE REQUIRED.

NOTE: THE TWO STORY ADDITION WILL BE USED TO INCREASE THE ADMINISTRATION OFFICE SPACE AS WELL AS PUBLIC SERVICE AND ALSO PROVIDE AREAS FOR CLASSROOM INSTRUCTION AND MEETINGS.

NOTE: RENOVATIONS TO OAKLAND MANOR WILL INVOLVE REMOVING AND RELOCATION OF INTERIOR WALLS, PROVIDING HANDICAPPED ACCESS POINTS AS WELL AS EXTERIOR RENOVATIONS TO PLACE THE BUILDING BACK TO ITS ORIGINAL 1800 FEDERAL DESIGN.

CERTIFICATION:

I, HEREBY CERTIFY THAT UPON INSPECTION OF THIS SITE, THAT NO WETLAND AREA EXISTS AND THAT THIS SITE DOES NOT APPLY TO SECTION 404 AND 401.

John Hummel
 ENGINEER JOHN HUMMEL
 11-2-88

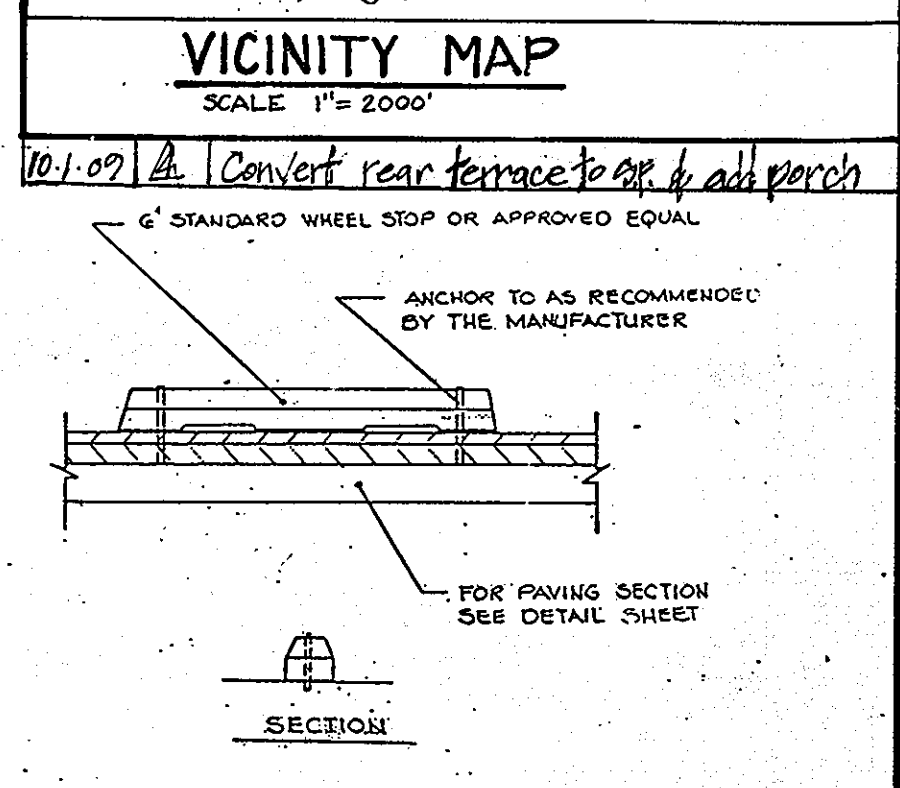
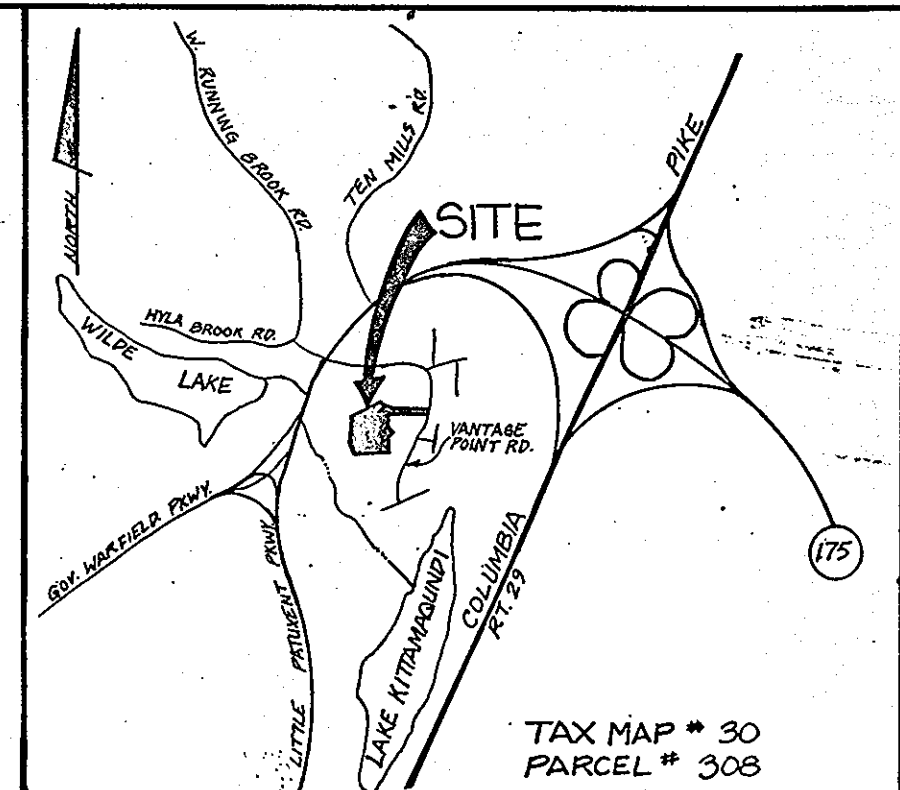
ADDRESS CHART		SUBDIVISION NAME		SECT/AREA	LOT/PARCEL NO.
LOT NO.	STREET ADDRESS	TOWN CENTER OAKLAND MANOR - COMMUNITY HALL	7 / 9	1	303
OAKLAND MANOR	5430 VANTAGE POINT ROAD	PARCEL D-3 TOWN CENTER SECTION 7 AREA 7	30	5	6452.02
RED CROSS	5434 VANTAGE POINT ROAD	PARCEL F-2 TOWN CENTER SECTION 7 AREA 7	30	5	6452.02
		WATER CODE	SEWER CODE		
		E-31	5600100		

FINAL DEVELOPMENT PLAN PHASE 1B3 RECORDED AS 205A127 TO APP 10/21/77 TOWN CENTER SECTION 7 AREA 9 OPEN SPACE CREDITED: 3.814 AC.

APPROVED

DATE 9-28-88 & 10-13-88

John Hummel
 Professional Engr. No.



DATE	NO.	REVISION
11-13-06	1	ADDED 4" FIRE CONN. @ RED CROSS BLDG
APPROVED		FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
<i>Joseph M. ...</i>	1-19-89	COUNTY HEALTH OFFICER DATE
APPROVED		HOWARD COUNTY OFFICE OF PLANNING AND ZONING
<i>...</i>	1-20-89	PLANNING DIRECTOR DATE
<i>...</i>	1/21/89	CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
APPROVED		FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS, AND PUBLIC ROADS
<i>Richard M. ...</i>	1/10/89	DIRECTOR DATE
<i>...</i>	1-17-89	CHIEF, BUREAU OF ENGINEERING DATE
2-21-89	2	CHANGE DIA. OF SEWER
10-27-88	1	RELOCATE WATER & SEWER
Date	No.	Revision Description

OWNER/DEVELOPER

COLUMBIA PARK AND RECREATION ASSOCIATION, INC.
 9861 BROKEN LAND PARKWAY SUITE 300
 COLUMBIA, MARYLAND 21046
 PHONE: (301) 381-0020

PROJECT

OAKLAND MANOR

TAX MAP NO. 30
 RED CROSS BUILDING: ADDITION, PARKING LOT ADDITION, WATER & SANITARY SEWER EXT.

CENTURY ENGINEERING, INC.

CONSULTING ENGINEERS • PLANNERS
 32 WEST ROAD
 TOWSON, MARYLAND 21204

AREA

RECORD PLAT REFERENCE NO. 3912
 COLUMBIA TOWN CENTER SECTION 7, AREA 9, LOT 1
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MD

TITLE

SITE DEVELOPMENT PLAN

Des By	DDS	Scale	1" = 30'	Proj No	88-025
Drn By	RDS	Date	MARCH 1988	Drawing No.	1 OF 3
Chk By	JRH	Approved			

NO	DATE	REVISION
A	11-19-86	ADDED 4" FIRE CONN. AT REP CROSS BLDG
A	10-1-87	Convert terrace to GF. & add porch

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (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 SPECIFICATIONS 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 perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) 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 3.21 Acres
 Area Disturbed 1.9 Acres
 Area to be seeded or paved 0.29 Acres
 Area to be vegetatively stabilized 2.39 Acres
 Total Cut 1002 Cu. Yds
 Total Fill 232 Cu. Yds
 Offsite waste/borrow area location N/A
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls 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 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.

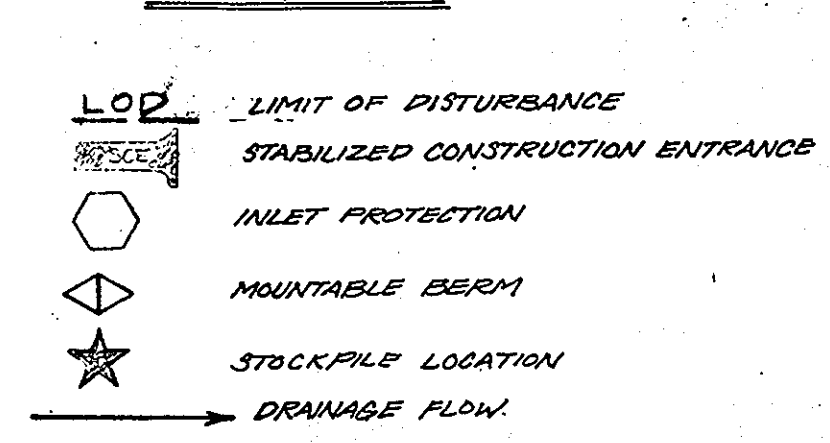
PERMANENT SEEDING NOTES

- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent live vegetative cover is needed.
- Method 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 schedules:
- 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. 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).
 - 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. 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 (1.4 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, present 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 untreated 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 3 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 reseeding.

TEMPORARY SEEDING NOTES

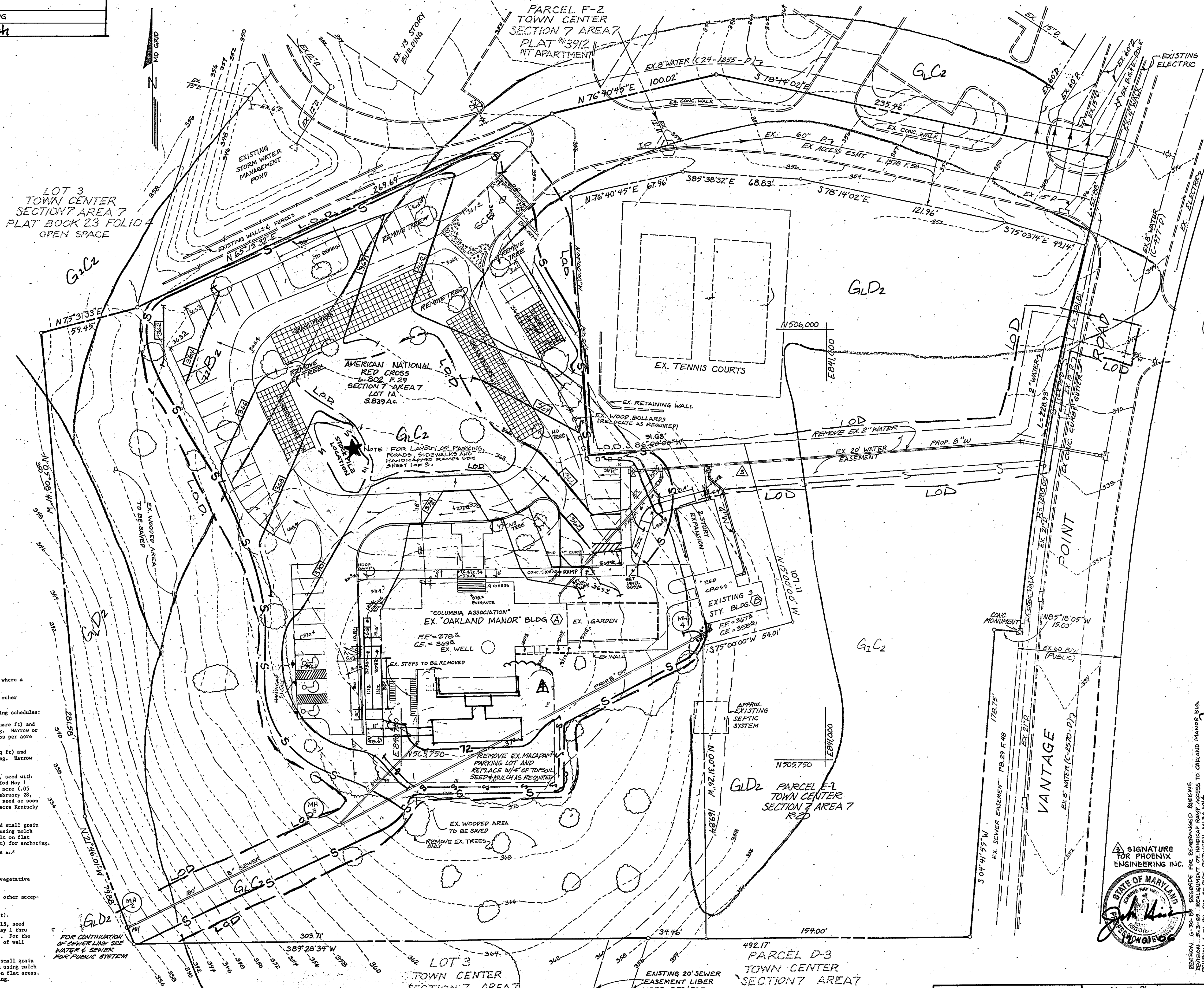
- Apply to graded or cleared areas 11-ly to be redistributed where a short-term vegetative cover is needed.
- Method Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously loosened.
- Soil Amendments:** Apply 60 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).
- Seeding:** For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 lbs/acre of annual ryegrass (3.1 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 untreated 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 3 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.

LEGEND



SOILS TYPE: GLENELG LOAM, G.L.B2, G.L.C2, G.L.D2
 SOILS MAP #24
 HYDROLOGIC SOILS CLASS "B"

NOTE: SEE SEDIMENT CONTROL DETAILS SEE SHEET 3 OF 3



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."

Josephine Ann Overy 11-3-88
 DEVELOPER DATE

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 11-2-88
 ENGINEER: JOHN HEINRICHS DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
John Heinrichs 11-8-88
 US CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
Stephen R. Dehn 11/8/88
 HOWARD S.C.D. DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
James M. Boyd 1-19-89
 COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING
Unsh... 1.20.89
 PLANNING DIRECTOR DATE

Frankie J. ... 1/20/89
 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
Richard M. Hall 11/1/89
 DIRECTOR DATE

... 11-2-88
 CHIEF, BUREAU OF ENGINEERING DATE

OWNER/DEVELOPER
 COLUMBIA PARK AND RECREATION ASSOCIATION, INC.
 9861 BROKEN LAND PARKWAY, SUITE 300
 COLUMBIA, MARYLAND 21046
 PHONE: (301) 321-0020

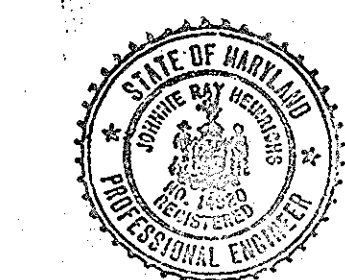
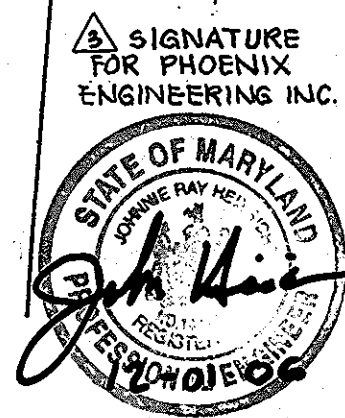
PROJECT
OAKLAND MANOR
 TAX MAP NO. 30
 RED CROSS BUILDING ADDITION, PARKING LOT ADDITION, WATER & SANITARY SEWER EXT.

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

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 SECTION 7, AREA 9 LOT 1,
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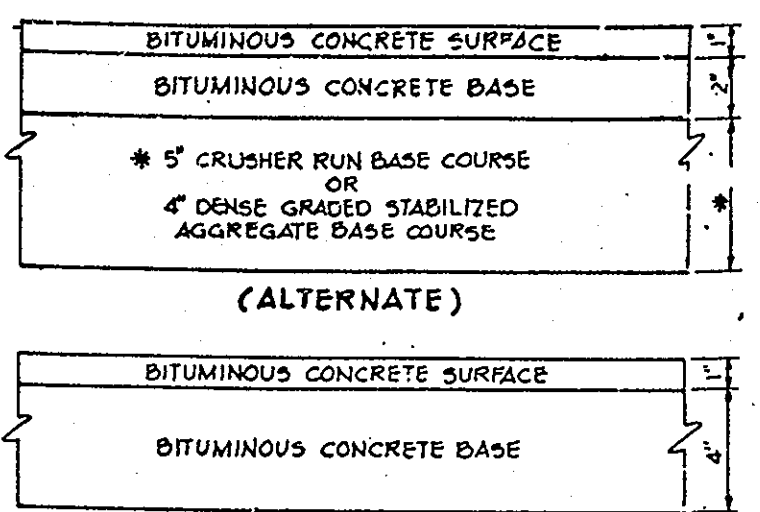
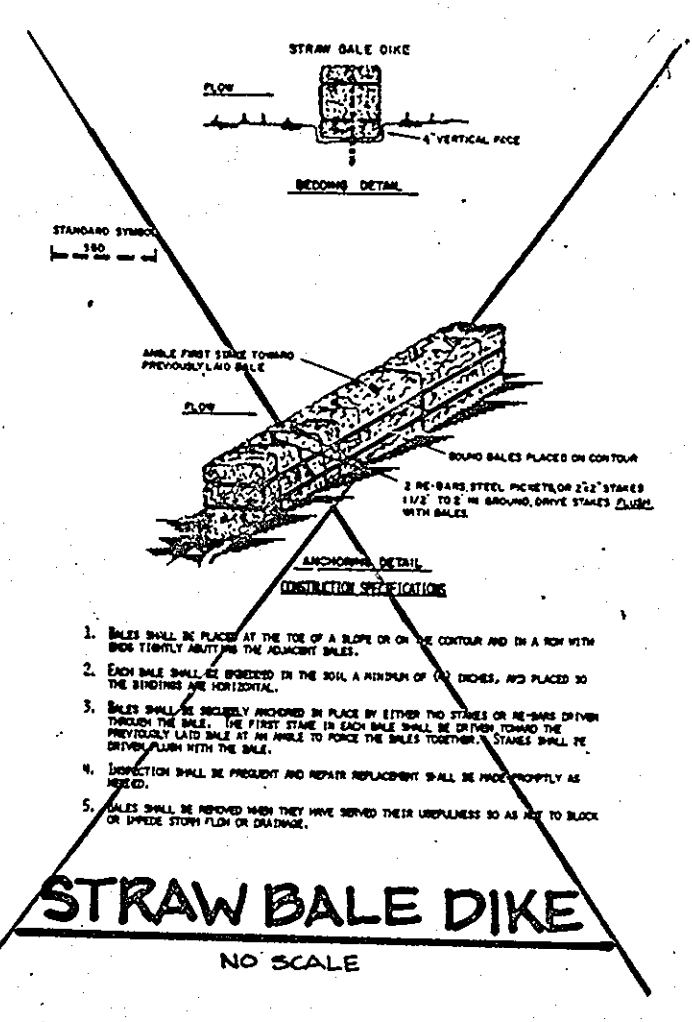
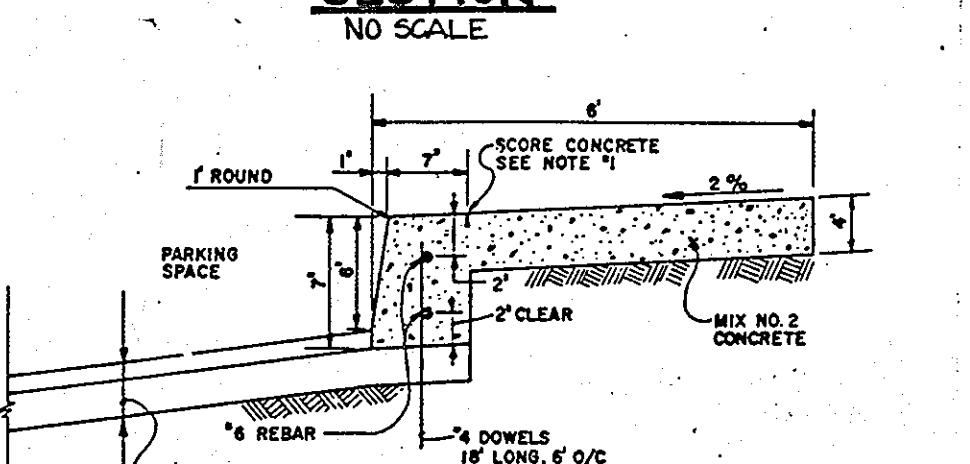
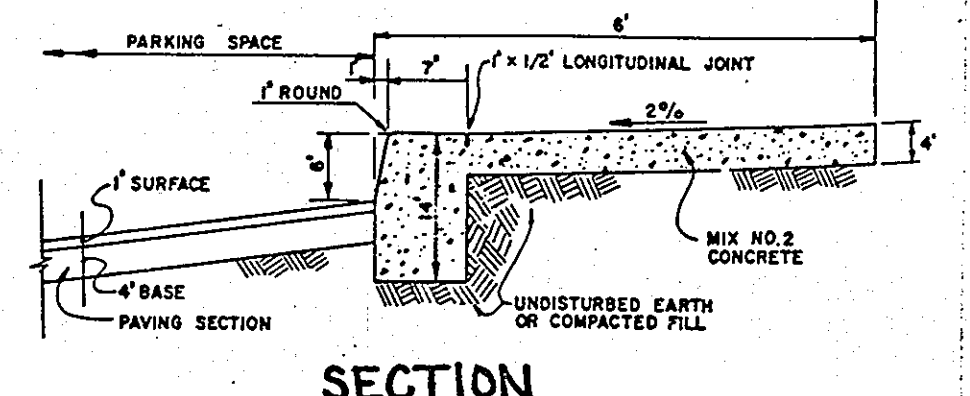
TITLE
GRADING AND SEDIMENT CONTROL

Des By DDS	Scale 1" = 30'	Proj No 88-025
Drn By RDS	Date MARCH 1988	Drawing No 2 OF 3
Chk By JRH	Approved	



APPROVED
 DATE 9-28-88
 10-13-88
 LKS

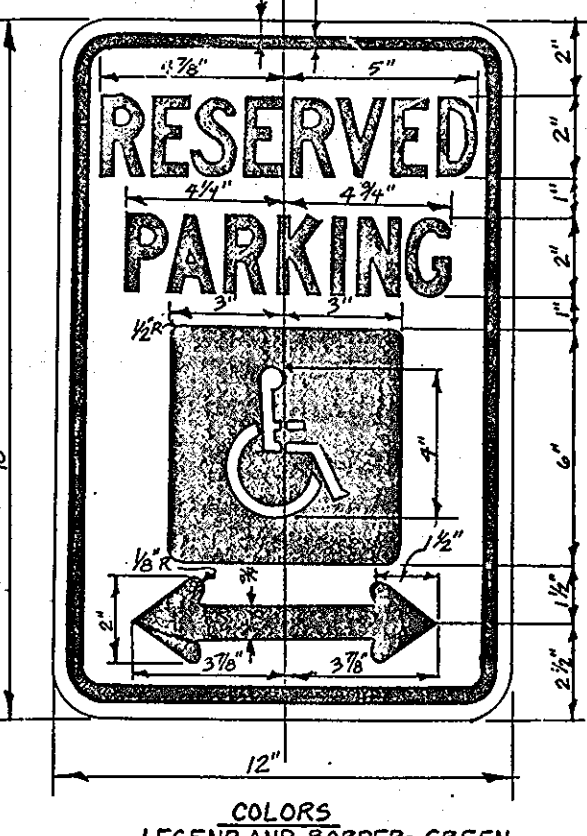
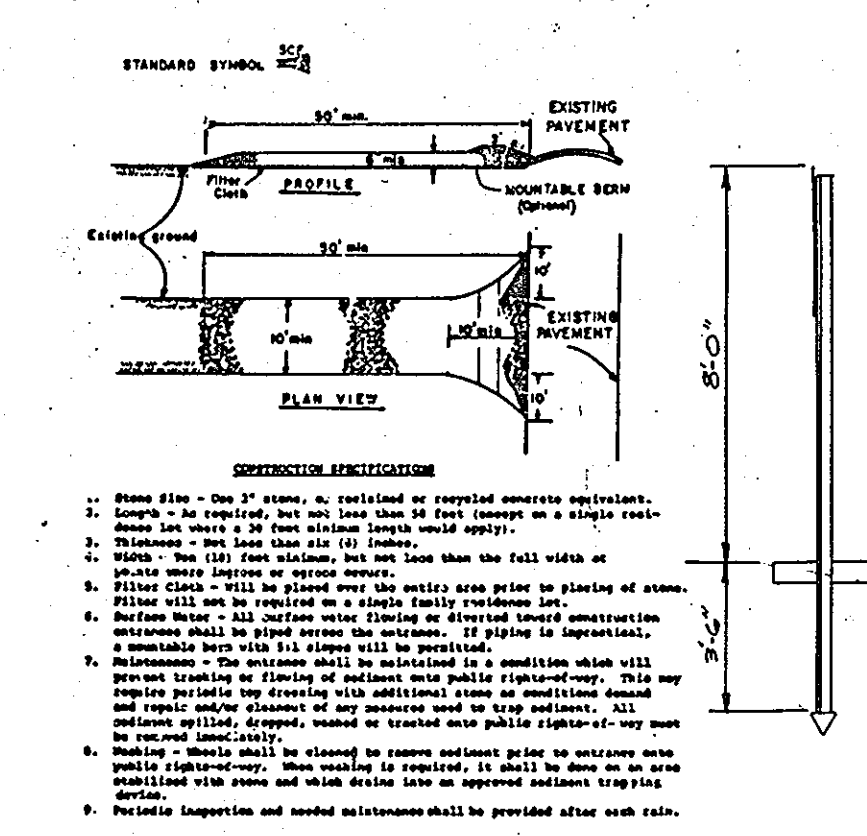
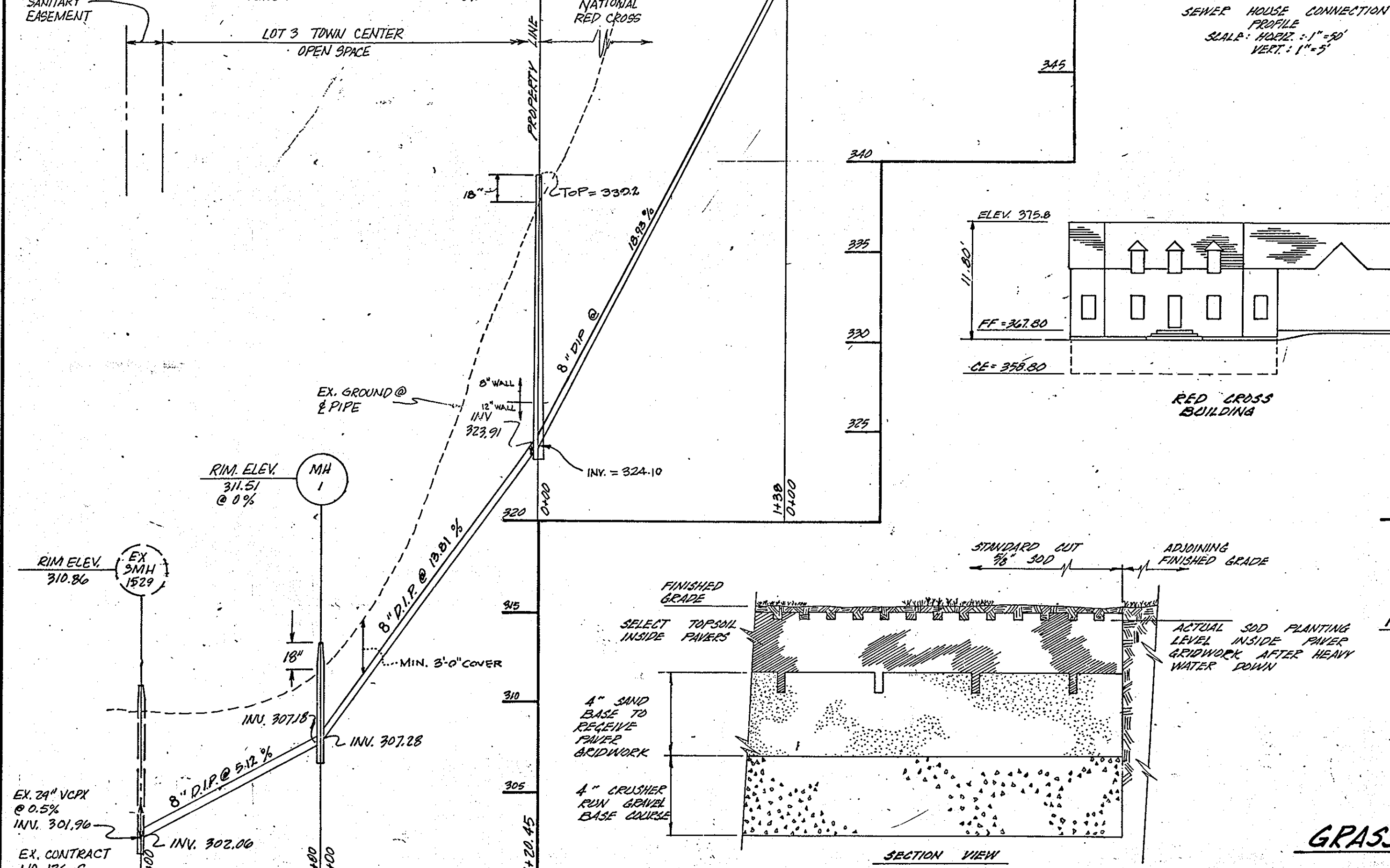
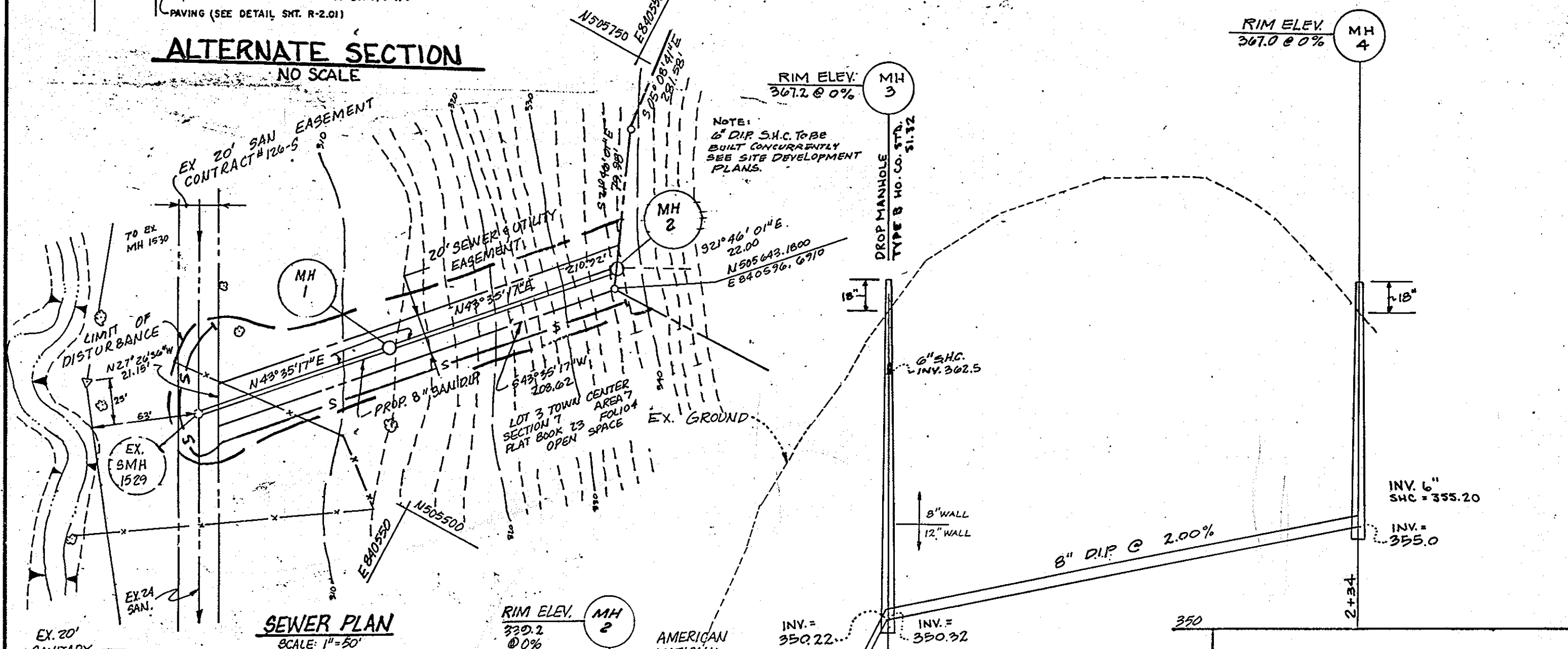
- NOTES**
- LONGITUDINAL JOINT BETWEEN SIDEWALK AND CURB SHALL BE CONTINUOUS AND TO A DEPTH OF 1/4 THE SIDEWALK THICKNESS OR 1" MAX. LATITUDINAL JOINTS SHALL RUN FROM BACK EDGE OF SIDEWALK CONTINUOUS TO THE BOTTOM FACE OF CURB TO A DEPTH OF 1/4" AND SPACED 5' APART.
 - PROVIDE 1/2" EXPANSION JOINTS AT 10' INTERVALS. IN LATITUDINAL JOINTS TO FULL CROSS-SECTION.



HOWARD COUNTY DESIGN MANUAL VOLUME II - STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)

(5" PAVING, P-1)

P-1 PAVING SECTION
NO SCALE

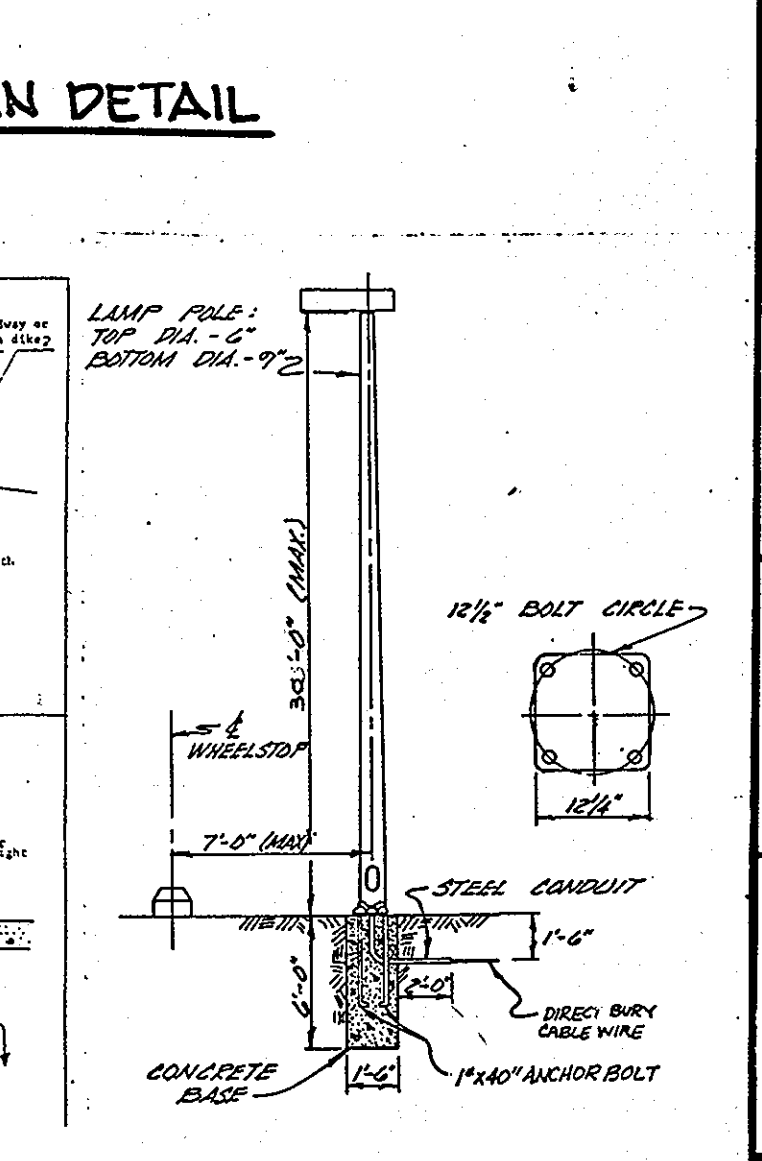
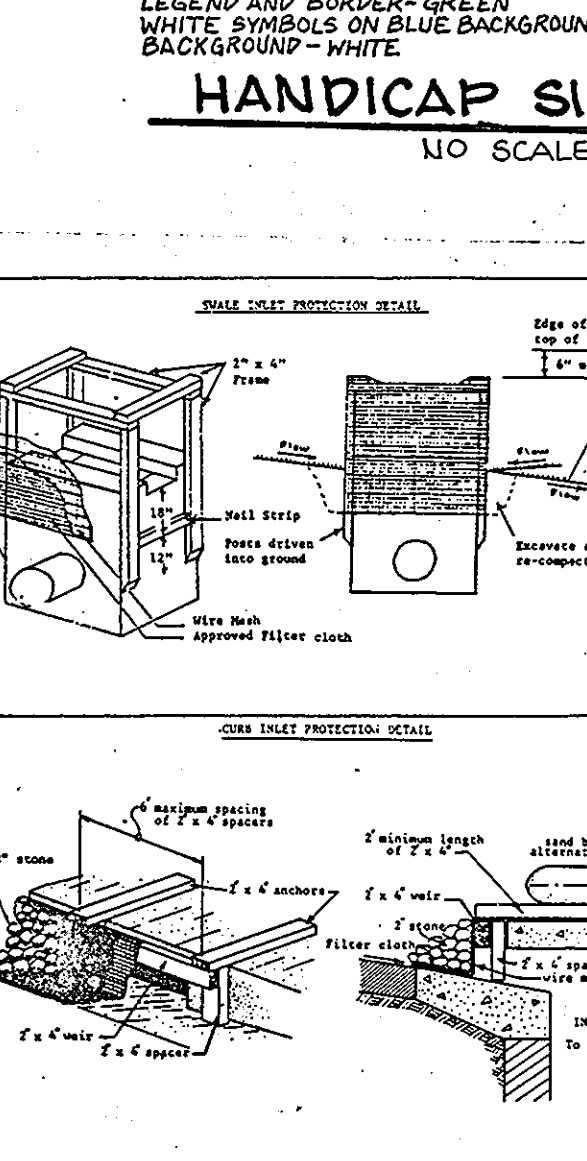
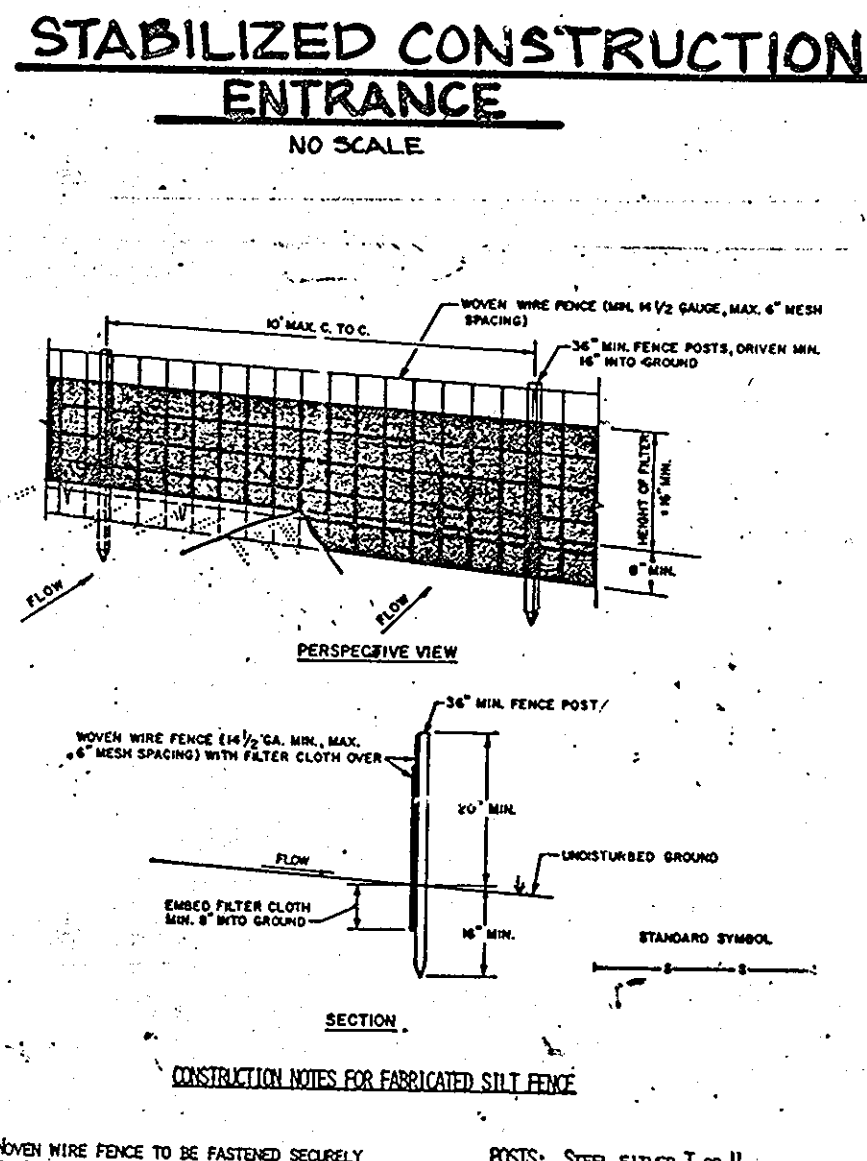


\$50 FINE

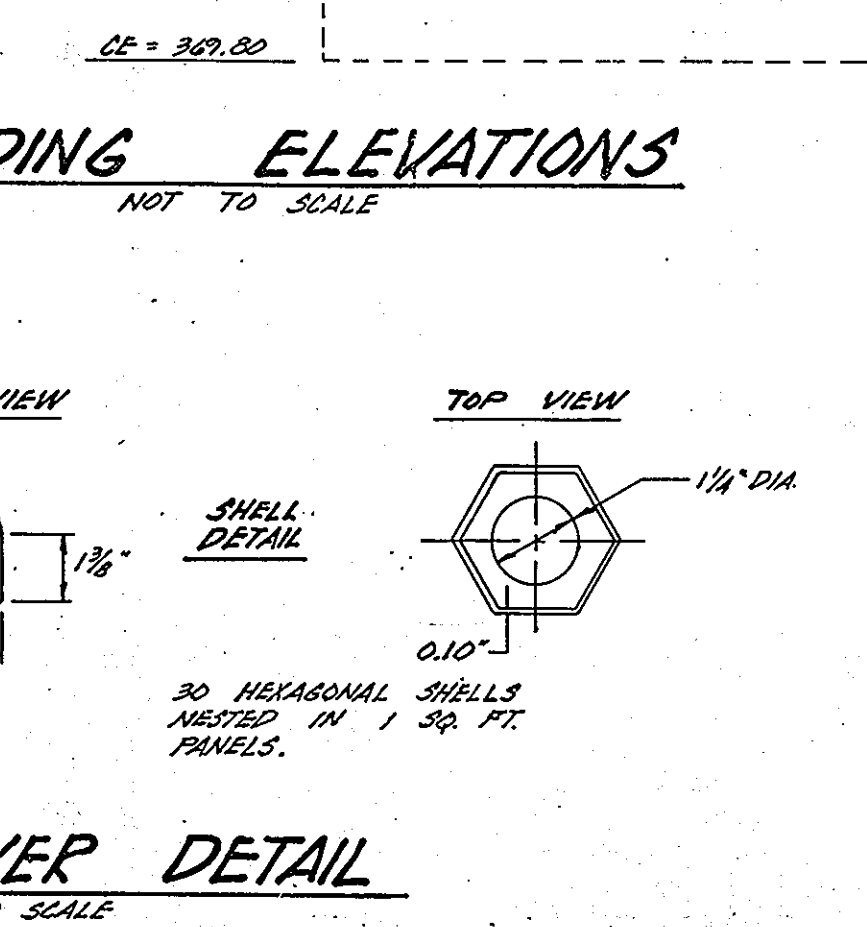
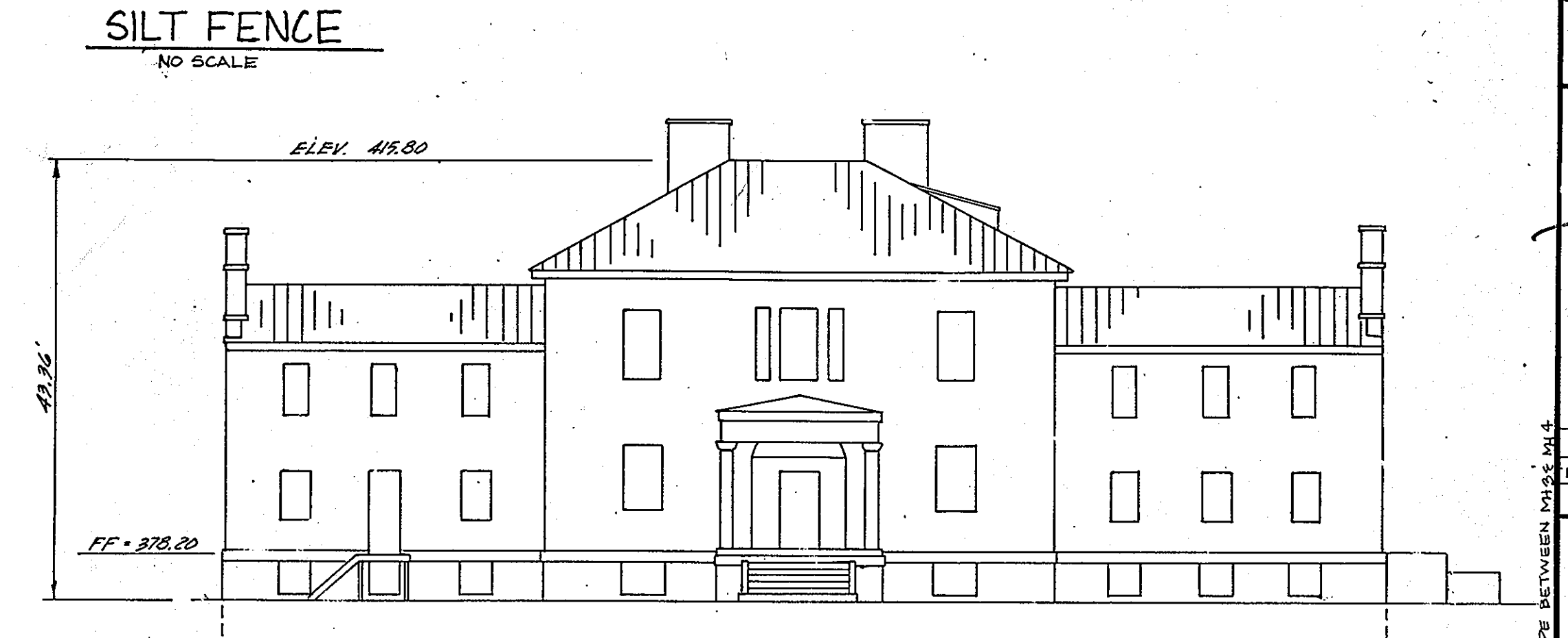
SIGN TO UTILIZE AN ALUMINUM BLANK 6"x12"x0.080 INCH THICK WITH TWO (2) SINGLE POST MOUNTING HOLES. THE TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THE RT-8 RESERVED PARKING SIGN AND THE BACKGROUND SHALL BE REFLECTIVE WHITE. THE TEXT SHALL BE 3" CHARACTERS.

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



- CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**
- JAVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 - FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
 - WEN TWO SECTIONS OF FILTER CLOTH JOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
 - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN NEEDED TO DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD
FENCE: WOVEN WIRE, 1/2" GA. 6" MAX. FISH OPENING
FILTER CLOTH: FILTER X, HEMP, LUM, 3/8" LUM, LUM OR APPROVED EQUAL
PREPARED UNIT: GEOTEK, BENTONITE OR APPROVED EQUAL



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/WE ALSO AUTHORIZE PERIODIC, ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

Joseph D. Dwyer 11-3-88
DEVELOPER DATE

DEVELOPER DATE

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 11-2-88
ENGINEER: JOHN HEINRICHS DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

John Heinrichs 11-8-88
US CONSERVATION SERVICE DATE

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

Stephen L. Fisher 11-8-88
HOWARD S.C.D. DATE

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

Joseph M. Dwyer 1-17-89
COUNTY HEALTH OFFICER DATE

APPROVED HOWARD COUNTY OFFICE OF PLANNING AND ZONING

W.R.P. 1.20.89
PLANNING DIRECTOR DATE

Joseph V. DeAngelis 1/6/89
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

Richard M. Hall for JMT 11/17/89
DIRECTOR DATE

William R. Dwyer 1-17-89
CHIEF, BUREAU OF ENGINEERING DATE

2-21-89	CHANGE DIA. OF SEWER
10-27-88	CHANGE CLEANOUTS TO MAINHOLES
Date	No Revision Description

OWNER/DEVELOPER
COLUMBIA PARK AND RECREATION ASSOCIATION, INC.
9881 BROKEN LAND PARKWAY SUITE 300
COLUMBIA, MARYLAND 21046
PHONE: (301) 381-0020

PROJECT
OAKLAND MANOR
TAX MAP NO. 30
RED CROSS BUILDING ADDITION, PARKING LOT ADDITION, WATER & SANITARY SEWER EXT.

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

AREA RECORD PLAT REFERENCE NO. 3912
COLUMBIA TOWN CENTER
SECTION 7, AREA 9, LOT-1
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MD.

TITLE
DETAIL SHEET

Des By DDS	Scale AS SHOWN	Proj No 88-025
Drn By JP	Date MARCH 1988	Drawing No. 3 OF 3
Chk By JRH	Approved	

APPROVED
PLANNING BOARD
of HOWARD COUNTY
DATE 9-28-88
10-13-88
LKS

Date 11-2-88
Professional Engr. No. 14920

SDP-88-209