

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	SITE DEVELOPMENT PLAN
3	GRADING, SEDIMENT CONTROL & DRAINAGE AREA MAP
4	PROFILES AND DETAILS
5	LANDSCAPE PLAN

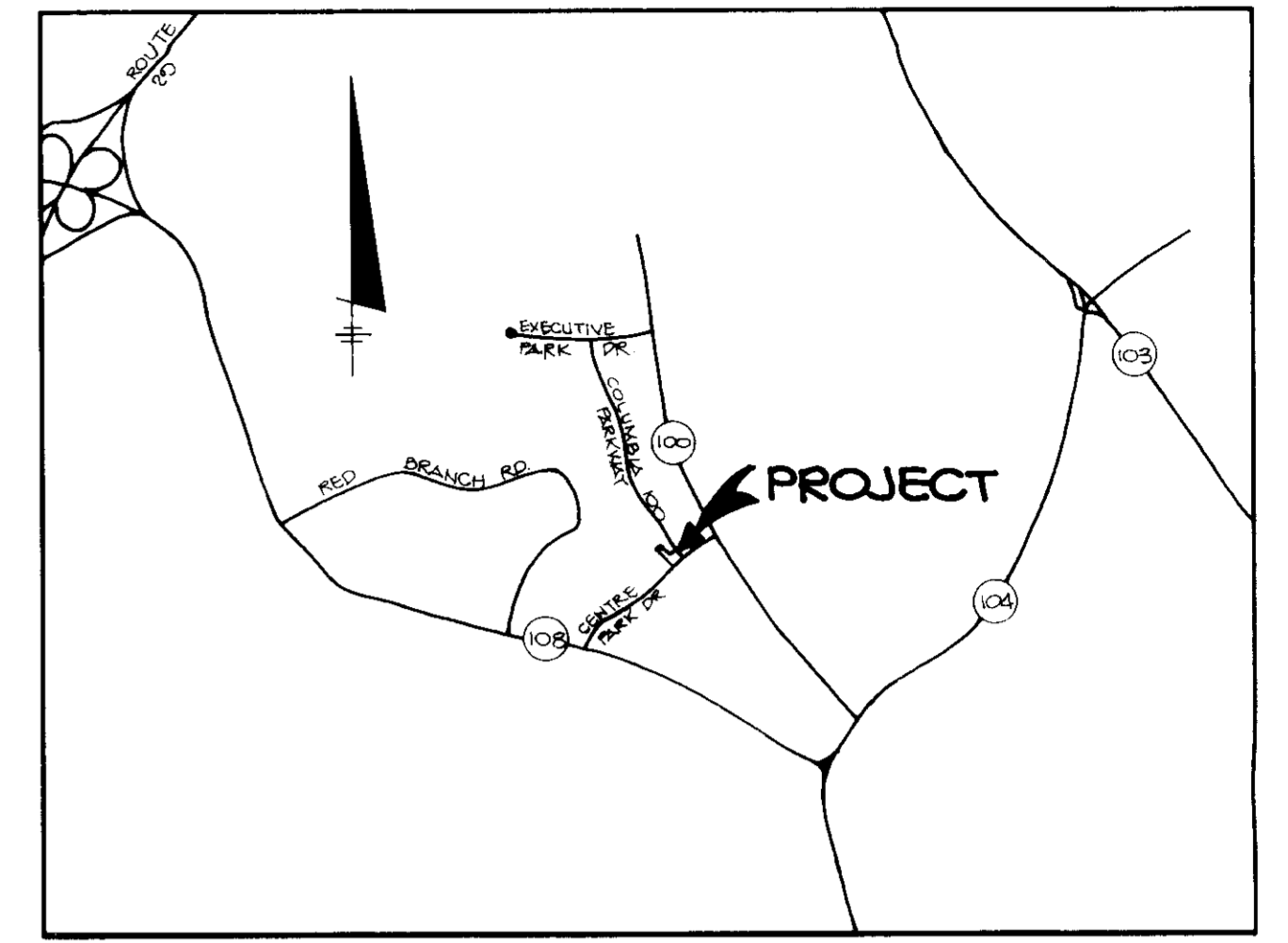
# SITE DEVELOPMENT PLAN

## COLUMBIA 100

### SOVRAN BANK

## 2nd ELECTION DISTRICT

### HOWARD COUNTY, MARYLAND



VICINITY MAP  
SCALE 1"=2000'

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS FROM THE APPLICABLE AGENCIES AND AGENCIES LISTED IN THE DESIGN MANUAL, VOLUME IV, OF THE HOWARD COUNTY DESIGN MANUAL AND FOR OBTAINING ANY NECESSARY AMENDMENTS.
2. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN CENTERLINE OF SERVICE. ANY DAMAGE INCURRED TO THE CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
3. THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS TO VERIFY THEIR LOCATION AND DEPTH. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY IF LOCATION OF UTILITIES IS OTHER THAN SHOWN.
4. CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS:
- |   |                |
|---|----------------|
| MISS UTILITY  | 1-800-292-3772 |
| CAP TELEPHONE COMPANY   | 225-5922       |
| HOWARD COUNTY BUREAU OF UTILITIES   | 992-2460       |
| AT&T CABLE LOCATION DIVISION  | 151-1553       |
| BALTIMORE GAS & ELECTRIC COMPANY  | 483-0123       |
| STATE HIGHWAY ADMINISTRATION  | 531-5531       |
| HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION (24 HOURS NOTICE PRIOR TO COMMENCEMENT OF WORK) | 752-7777       |
5. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
6. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
7. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALLS.
8. PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
9. NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
10. TOPO TAKEN FROM FIELD RUN SURVEY DATED APRIL, 1989 BY RIEMER MUEGGE & ASSOC., INC.
11. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
12. ALL 12" DIA. MAIN PIPE READING SHALL BE 1/2" SHOWS IN DETAIL 02.01 (TRENCH IN KICK OR TRENCH IN EARTH AS DETERMINED BY FIELD CONDITIONS) IN VOL. IV OF HOWARD COUNTY DESIGN MANUAL UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR AS SHOWN ON THE DRAWINGS.
13. THE DEVELOPER IS RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND RIGHTS-OF-WAY THAT MAY BE REQUIRED FOR THE SEDIMENT AND EROSION CONTROL PRACTICES, STORM WATER MANAGEMENT PRACTICES AND THE DISCHARGE OF STORM WATER ONTO OR ACROSS ADJACENT OR DOWNSTREAM PROPERTIES INCLUDED IN THIS PLAN. HE IS ALSO RESPONSIBLE FOR THE ACQUISITION OF ALL EASEMENTS, RIGHTS AND/OR WORK ON ADJACENT PROPERTIES INCLUDED IN THIS PLAN.
14. THE OWNER SHALL PROVIDE A SEPARATE AND INDEPENDENT SEWER CONNECTION FOR EACH TENANT OR OCCUPANT OF ANY BUILDING SHOWN ON THIS SITE DEVELOPMENT PLAN, WHO WILL DISCHARGE NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM IF THIS WASTE IS REGULATED UNDER SECTION 18.122A OF THE HOWARD COUNTY CODE. EACH SEPARATE AND INDEPENDENT SEWER CONNECTION SHALL INCLUDE A STANDARD MANHOLE AND OTHER WASTE PRETREATMENT DEVICES AS REQUIRED AND APPROVED BY HOWARD COUNTY. WASTE LINES ON THE INTERIOR OF THE BUILDING SHALL BE DESIGNED, CONSTRUCTED OR MODIFIED SUCH THAT NON-DOMESTIC WASTE WILL BE DISCHARGED TO THE SEPARATE AND INDEPENDENT SEWER CONNECTION. NO TENANT OR OCCUPANT OF ANY BUILDING SHOWN ON THIS SITE DEVELOPMENT PLAN SHALL DISCHARGE REGULATED NON-DOMESTIC WASTE TO THE PUBLIC SEWERAGE SYSTEM PRIOR TO INSTALLATION OF THE SEPARATE AND INDEPENDENT SEWER CONNECTION AND RELATED INTERIOR WASTE LINES. THE ABOVE REQUIREMENTS SHALL APPLY TO ALL INITIAL AND FUTURE OCCUPANTS OR TENANTS.
15. PROPOSED UTILITIES TO BE CONSTRUCTED UNDER ADVANCE DEPOSIT AGREEMENT WHICH WILL BE PAID FOR PRIOR TO THE ISSUANCE OF THE BUILDING PERMIT THIS DEPOSIT TO BE PAID BY THE OWNER.
16. PREVIOUS OFFICE OF PLANNING AND ZONING FILE NOS. 5-85-52, P-86-44, GP-86-57, F-87-13, WP-88-25 & F-88-75.
17. STORM WATER MANAGEMENT FOR THIS DEVELOPMENT IS PROVIDED UNDER # 02.10.
18. THE OWNER OF THIS PROPERTY WILL BE RESPONSIBLE FOR MAINTAINING THE WATER QUALITY STRUCTURE PROPOSED ON THIS PLAN.

SITE TABULATION

AREA OF PARCEL:	1.547 ACRES 67,383 SQ. FT.
PRESENT ZONING:	P.O.R.
PROPOSED USE:	1 STORY BANK BUILDING
BUILDING COVERAGE ALLOWED:	23,584 SQ. FT. (35% OF TOTAL SITE AREA)
PROPOSED BUILDING COVERAGE:	2,471 SQ. FT. (3.7% OF TOTAL SITE AREA)
TOTAL BUILDING AREA:	2,471 SQ. FT.
NUMBER OF PARKING SPACES REQUIRED: (@ 1 SPACE PER 200 SQ. FT. OFFICE)	13 SPACES
NUMBER OF PARKING SPACES PROVIDED:	13 SPACES
NUMBER OF HANDICAP SPACES REQUIRED:	1 SPACES
NUMBER OF HANDICAP SPACES PROVIDED:	1 SPACES
OPEN SPACE REQUIRED: (INCLUDING INTERNAL LANDSCAPED ISLANDS)	13477 SQ. FT. (20% OF TOTAL SITE AREA)
OPEN SPACE PROVIDED:	90671 SQ. FT. (75% OF TOTAL SITE AREA)
AREA OF PARKING:	5040 SQ. FT.
LANDSCAPED ISLANDS REQUIRED:	692 SQ. FT. (5% OF PARKING AREA)
LANDSCAPED ISLANDS PROVIDED:	996 SQ. FT. (11% OF PARKING AREA)

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

*[Signature]* 4-25-90  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*[Signature]* 5-18-90  
DIRECTOR DATE

*[Signature]* 4/27/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

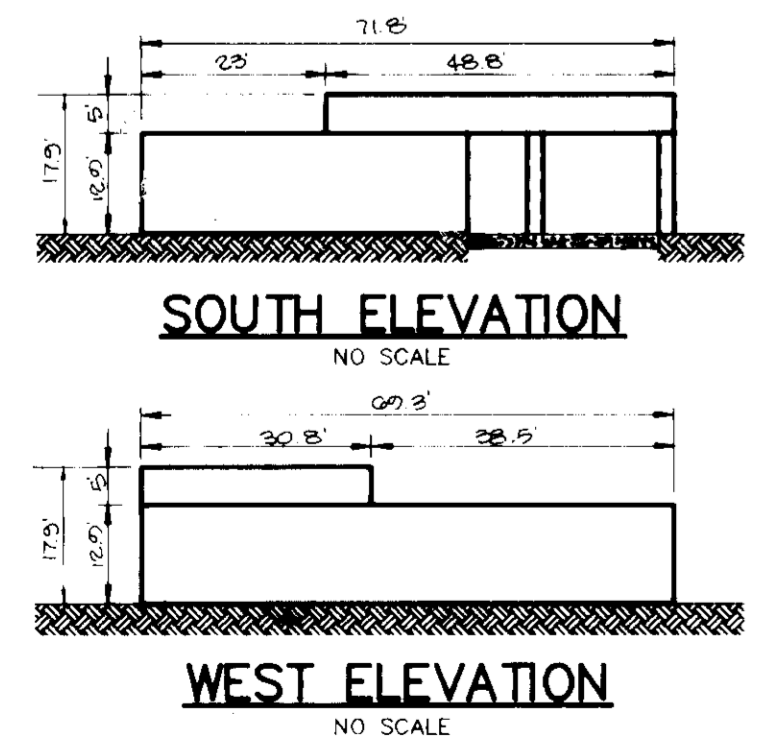
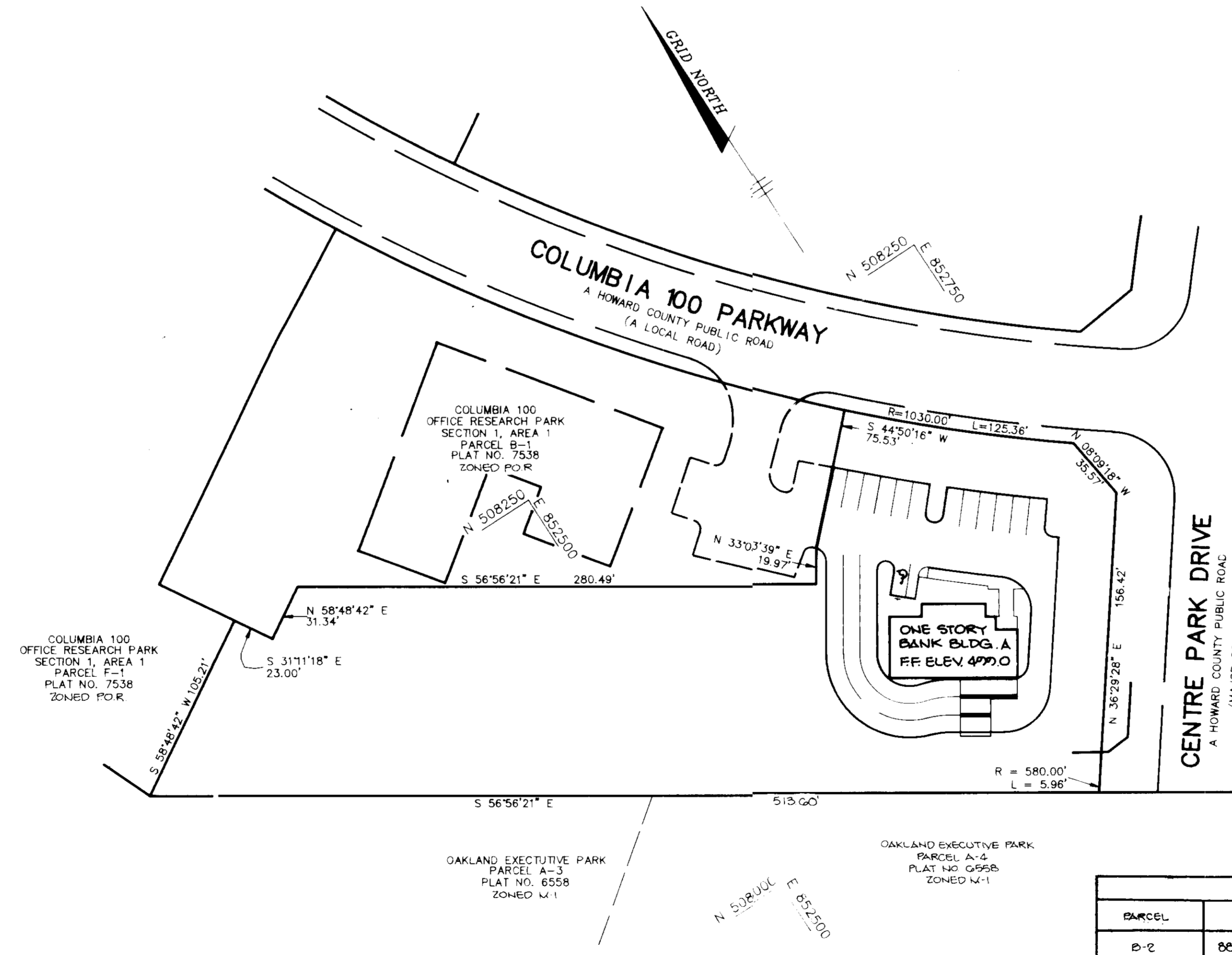
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*[Signature]* 4/19/90  
DIRECTOR DATE

*[Signature]* 7-21-90  
CHIEF, BUREAU OF ENGINEERING DATE

NOTE: AS PER OUR INVESTIGATION IN AUGUST '89, THERE ARE NO EXISTING WETLANDS ON THIS SITE. HENCE, ARMY CORPS OF ENGINEERS PERMIT (SECTION 404) AND A WATER QUALITY CERTIFICATION FROM THE STATE DEPARTMENT OF THE ENVIRONMENT (SECTION 401) ARE NOT REQUIRED FOR THE PROPOSED WORK UNDER THIS SITE DEVELOPMENT PLAN.



ADDRESS CHART	
PARCEL	STREET ADDRESS
B-2	8845 COLUMBIA 100 PARKWAY

SUBDIVISION NAME	SECT./AREA	PARCEL #
COLUMBIA 100 OFFICE RESEARCH PARK	1/1	B-2

PLAT # OR L/F	BLK #	ZONE	TAX MAP	ELEC. DIST.	CENSUS TR
7092	10	PO-R	30	2	6023.02

WATER CODE	SEWER CODE
G02	50B7400

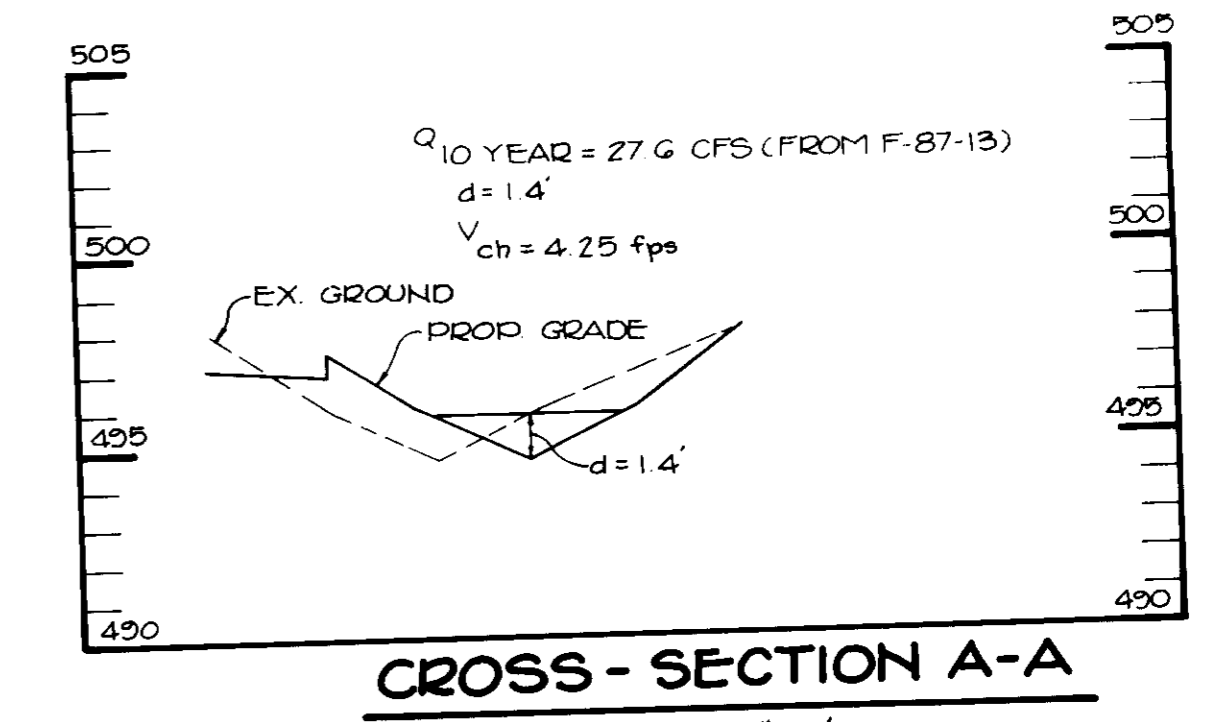
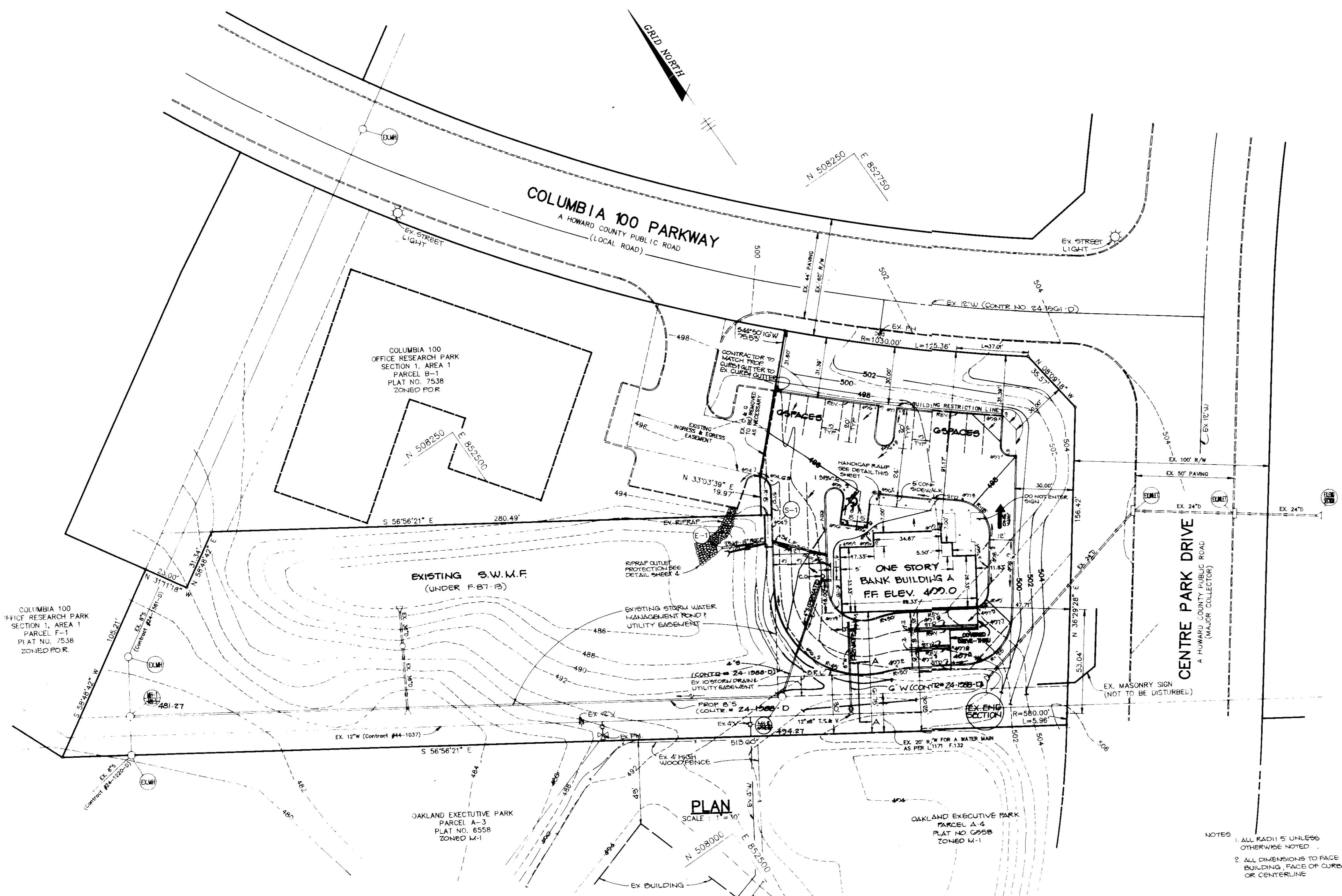
APPROVED  
PLANNING BOARD  
of HOWARD COUNTY  
DATE 11-22-87  
J.B.

RIEMER MUEGGE & ASSOCIATES, INC.  
A Land Planning, Engineering and Consulting Firm  
3105 North Ridge Road Ellicott City, Maryland 21043  
301-461-2690 FAX: 301-750-1176

DATE 2-2-90

DESIGNED BY W.C.W.  
DRAWN BY M.A.D.  
PROJECT NO 60092  
DATE FEBRUARY 7, 1990  
SCALE AS SHOWN  
DRAWING NO 1 OF 5

*[Signature]*  
ARTHUR E. MUEGGE



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

*James P. Boyle* 4-25-90  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*W. H. ...* 1-18-90  
DIRECTOR DATE

*James P. Boyle* 4-25-90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

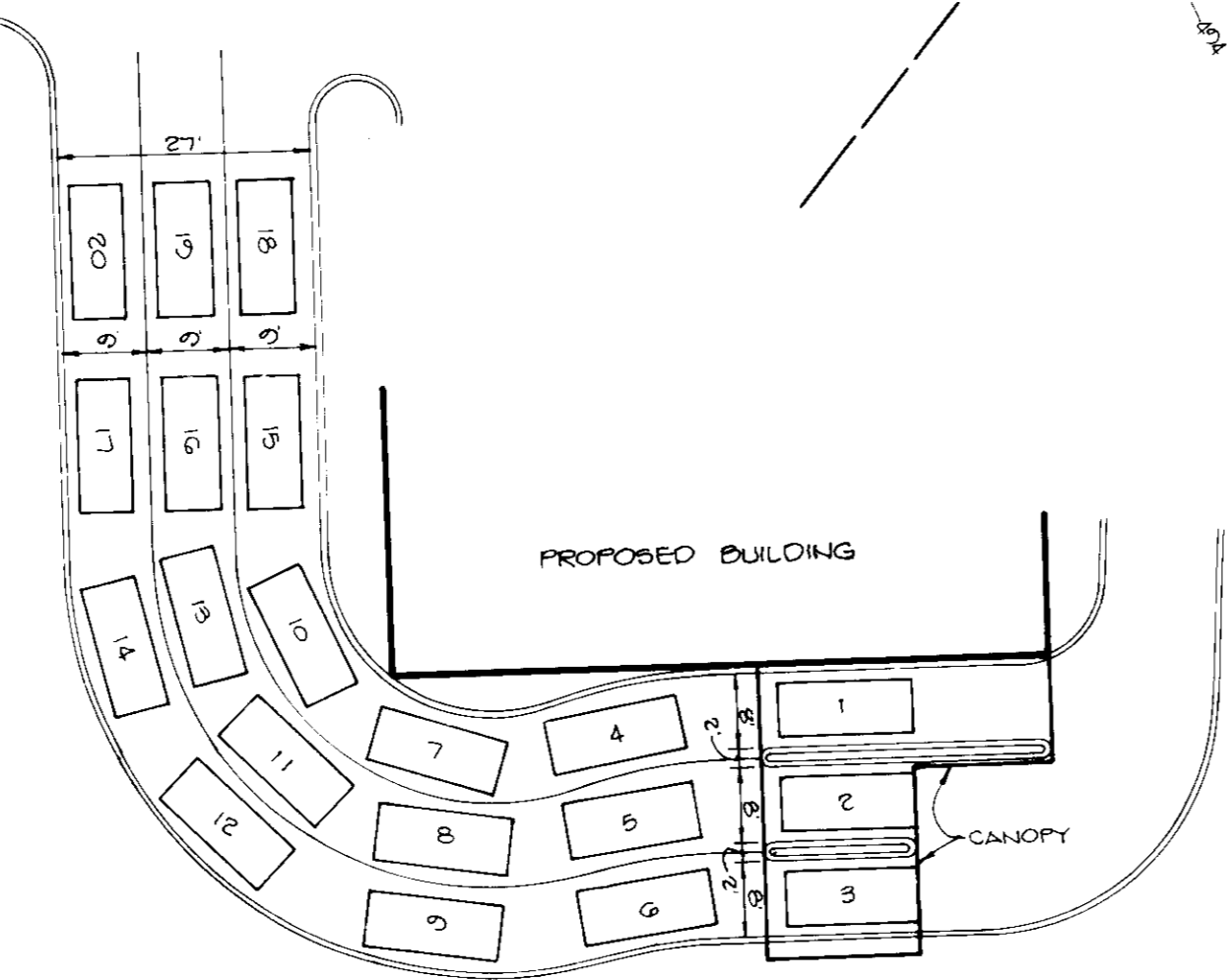
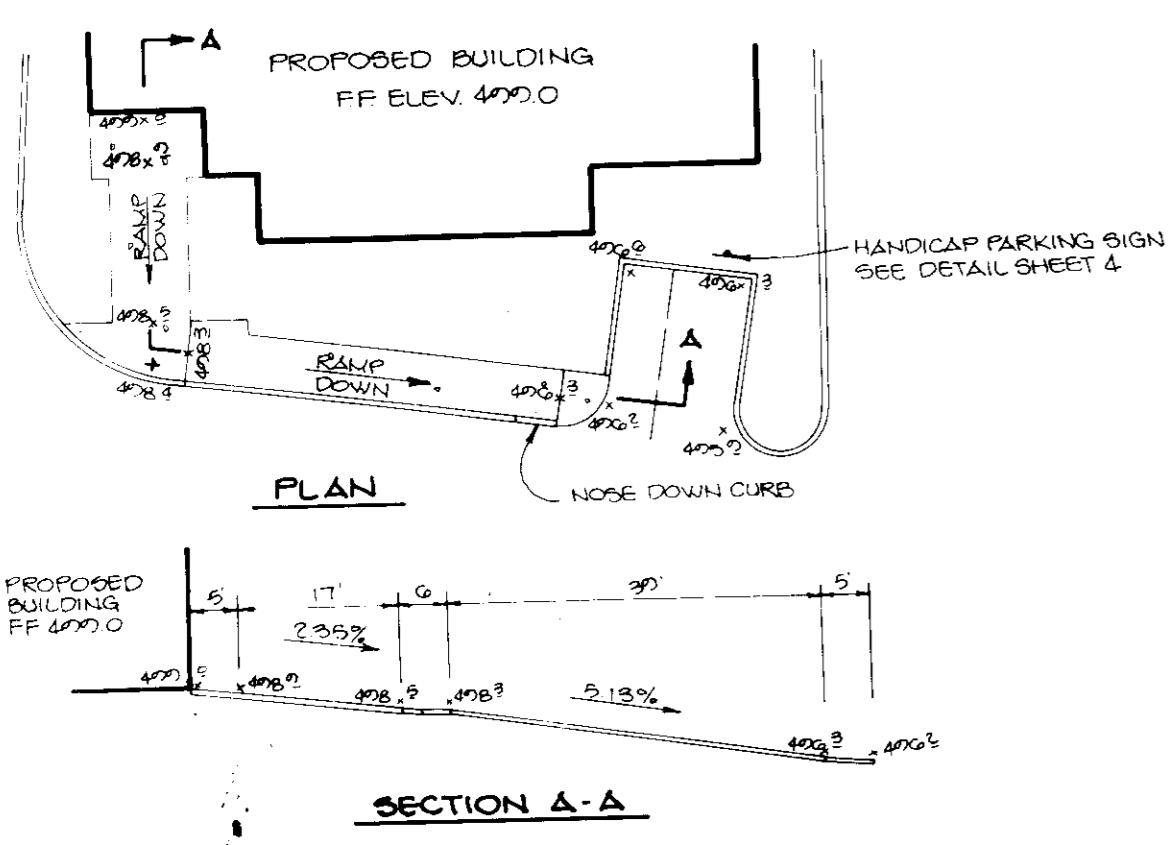
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James P. Boyle* 4-19-90  
DIRECTOR DATE

*Arthur E. Muegge* 2-21-90  
CHIEF, BUREAU OF ENGINEERING DATE

- LEGEND**
- PAVING
  - CONCRETE SIDEWALK OR PAVING
  - STANDARD TYPED COMBINATION CURB & GUTTER
  - REVERSE TYPED COMBINATION CURB & GUTTER
  - DENOTES TRANSITION FROM STANDARD TO REVERSE CURB & GUTTER.

NOTES:  
1. ALL RADII 5' UNLESS OTHERWISE NOTED.  
2. ALL DIMENSIONS TO FACE OF BUILDING, FACE OF CURB OR CENTERLINE.



THIS IS TO CERTIFY THAT THIS AS-BUILT IS COMPLETE AND ACCURATE AND THAT THE STORM DRAIN FACILITIES ARE CONSTRUCTED TO THE LINES AND GRADES SHOWN HEREIN IN RED.



**APPROVED**  
PLANNING BOARD  
OF HOWARD COUNTY  
DATE: 11-22-89

**RIEMER MUEGGE & ASSOCIATES, INC.**  
A Land Planning, Engineering and Consulting Firm  
3105 North Ridge Road Ellicott City, Maryland 21043  
301-461-2690 FAX: 301-750-3176

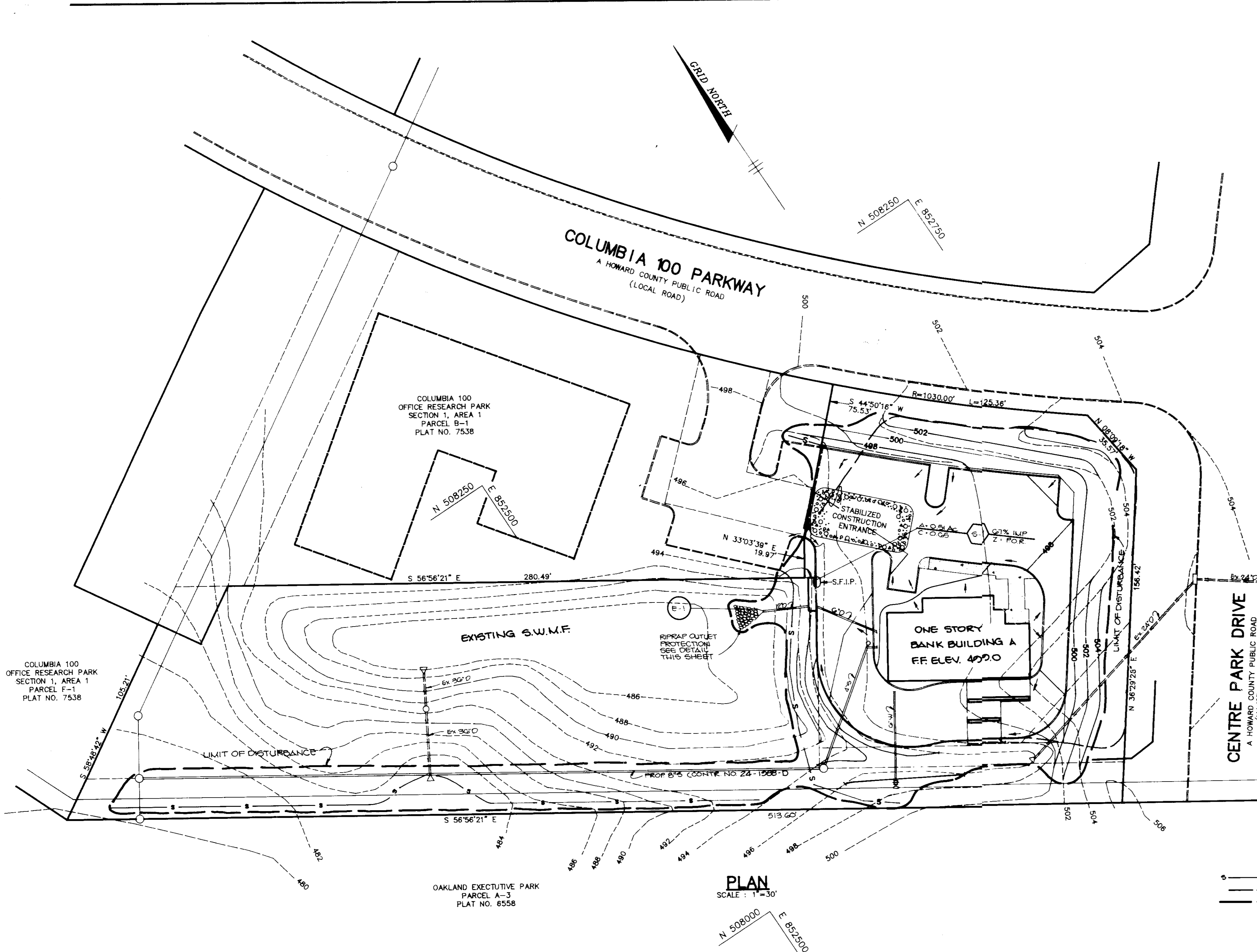
DATE: 2-21-90

DESIGNED BY: W. ...  
DRAWN BY: CAD ...  
PROJECT NO: 849000  
DATE: FEBRUARY 7, 1990  
SCALE: AS SHOWN  
DRAWING NO: 2 OF 5

AS-BUILT 4-2-91

SOP-89-248



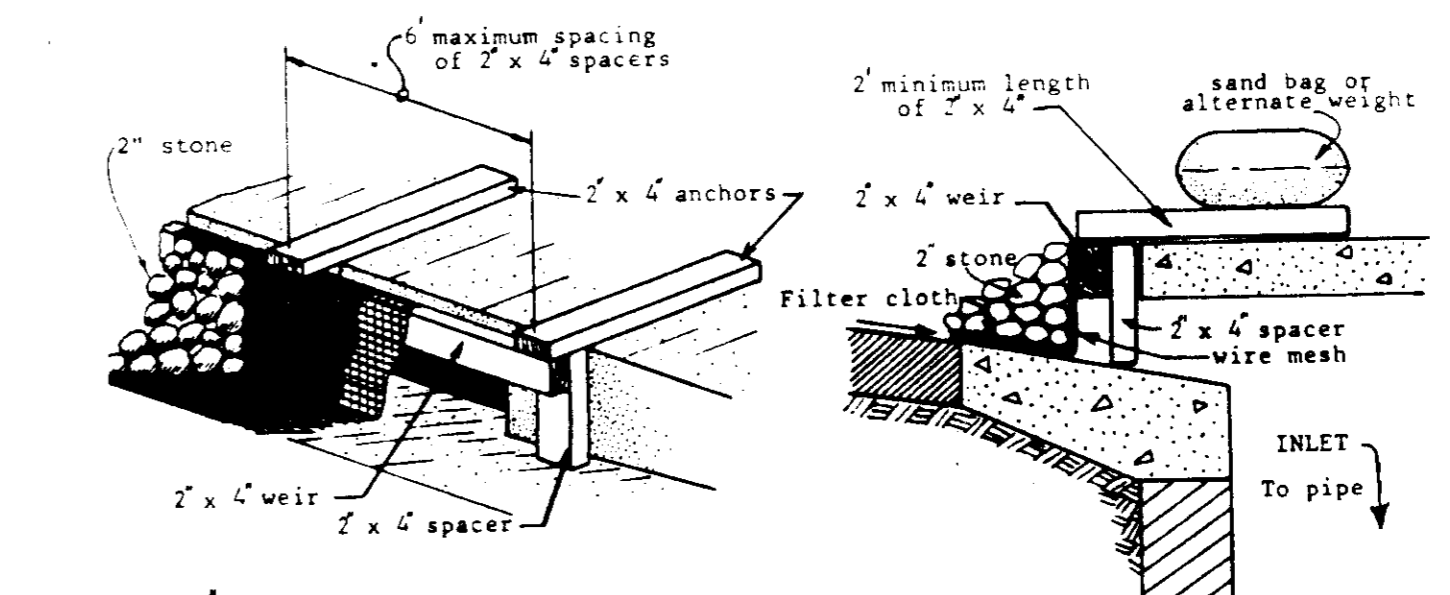


COLUMBIA 100 OFFICE RESEARCH PARK SECTION 1, AREA 1 PARCEL F-1 PLAT NO. 7538

COLUMBIA 100 OFFICE RESEARCH PARK SECTION 1, AREA 1 PARCEL B-1 PLAT NO. 7538

OAKLAND EXECUTIVE PARK PARCEL A-3 PLAT NO. 6558

PLAN SCALE: 1"=30'



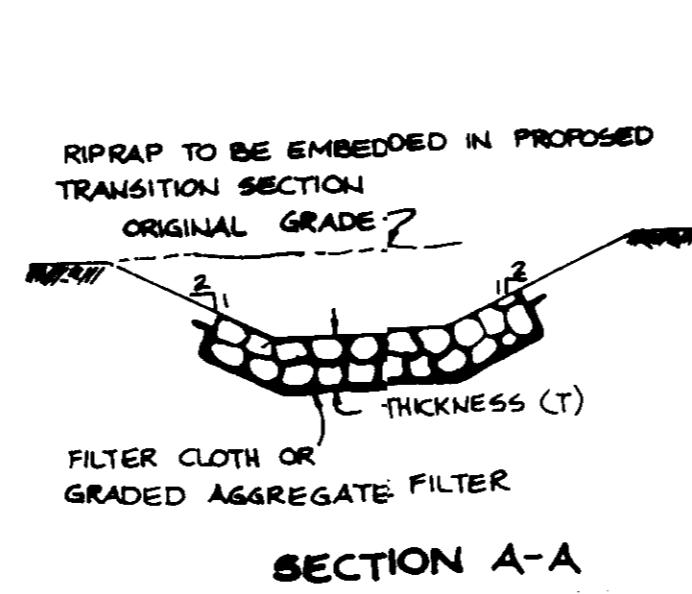
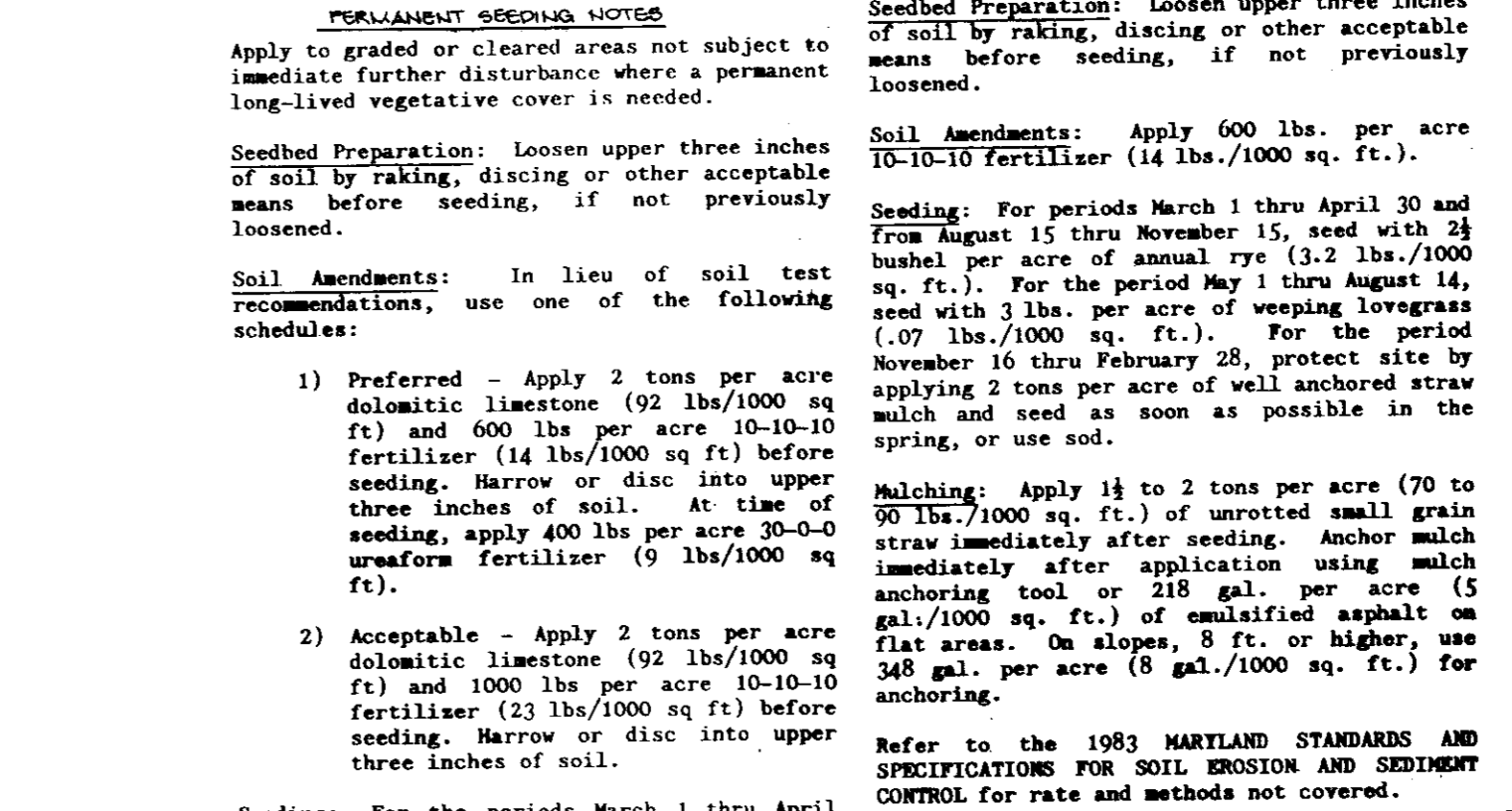
- 1. Curb Inlet Protection.**
1. Attach a continuous piece of wire mesh (30" min. width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 4") as shown on the standard drawing.
  2. Place a piece of approved filter cloth (40-85 sieve) of the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
  3. Securely nail the 2" x 4" weir to 8" long vertical spacers to be located between the weir and inlet face (max. 6' apart).
  4. Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spacer locations. These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
  5. The assembly shall be placed so that the end spacers are a minimum 1' beyond both ends of the throat opening.
  6. Firm the wire mesh and filter cloth to the concrete gutter and against the face of curb on both sides of the inlet. Place clean 2" stone over the wire mesh and filter fabric in such a manner as to prevent water from entering the inlet under or around the filter cloth.
  7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
  8. Assure that storm flow does not bypass inlet by installing temporary earth or asphalt dikes directing flow into inlet.

**STONE FILTER INLET PROTECTION**  
NO SCALE

- SEQUENCE OF CONSTRUCTION**
1. OBTAIN A GRADING PERMIT. (1 DAY)
  2. INSTALL STABILIZED CONSTRUCTION ENTRANCE. (1/2 DAY)
  3. INSTALL SILT FENCE. (1/2 DAY)
  4. ROUGH GRADE SITE. (10 DAYS)
  5. INSTALL WATER, SEWER AND STORM DRAINS. (10 DAYS)
  6. STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH THE TEMPORARY SEEDING NOTES. (1/2 DAY)
  7. BEGIN THE BUILDING CONSTRUCTION AND INSTALL CURB AND GUTTER AND PAVING. (10 DAYS)
  8. STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH THE TEMPORARY SEEDING NOTES. (1/2 DAY)
  9. UPON APPROVAL OF THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS, SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES (10 DAYS)
  10. STABILIZE ALL REMAINING DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES. (1 DAY)

**LEGEND**

- SILT FENCE
  - DRAINAGE AREA LINE
  - LIMIT OF DISTURBANCE
  - STONE FILTER INLET PROTECTION
- TEMPORARY SEEDING NOTES**
- Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.
- PERMANENT SEEDING NOTES**
- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Soil Ammendments:** Apply 600 lbs. per acre dolomitic limestone (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 bushels 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 10 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 soil.
- Mulching:** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs./1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 2 1/2 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 348 gal. per acre (8 gal./1000 sq. ft.) for anchoring.
- Soil Ammendments:** 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 600 lbs per acre 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 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 15 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 10 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 mulch anchoring tool or 2 1/2 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 reseeding.



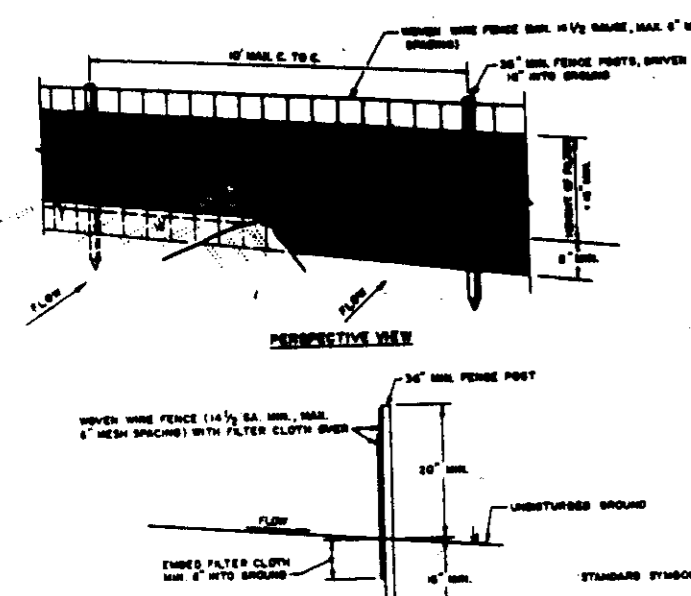
STRUCTURE	MEDIUM STONE DIA.	LENGTH (L)	WIDTH (W)	THICKNESS (T)
E-1	6"	10'	12'	14"

**OUTLET PROTECTION DETAIL**  
No Scale

- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - One (1) inch, or reclaimed or recycled concrete equivalent.
  2. Length - As required, but not less than 30 feet (except on a single residence lot where a 20 foot minimum length would apply).
  3. Thickness - Not less than six (6) inches.
  4. Width - Ten (10) feet minimum, but not less than the full width of points where ingress of grass occurs.
  5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
  6. Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable beam with 5:1 slopes will be permitted.
  7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or placement of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
  8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
  9. Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE**  
NO SCALE

- SEDIMENT CONTROL NOTES**
1. A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (997-2437).
  2. 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.
  3. 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.
  4. 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.
  5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 31) and (Sec. 34), temporary seeding (Sec. 30) and mulching (Sec. 32). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
  6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
  7. Site Analysis:  
Total Area of Site: 196 acres  
Area Disturbed: 0.96 acres  
Area to be roofed or paved: 0.54 acres  
Area to be vegetatively stabilized: 0.51 acres  
Total Cut: 152 Cu. yds.  
Total Fill: 222 Cu. yds.
  8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
  9. Additional sediment controls must be provided, if deemed necessary by the Howard County Department of Public Works Sediment Control Inspector.
  10. Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
  11. Sediment will be removed from traps when its depth reaches the clean out elevation shown on the plans.
  12. Cut and fill quantities provided under site analysis do not represent bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material, nor do they reflect consideration of undercutting or removal of unsuitable material. The contractor shall familiarize himself with site conditions which may affect the work.



- CONSTRUCTION NOTES FOR PERMANENT SILT FENCE**
1. WHEN THE SILT FENCE IS FINISHED, IT MUST BE MAINTAINED NEARLY TO FENCE POSTS WITH NINE TIES OR STAPLES.
  2. FILTER CLOTH TO BE ATTACHED SECURELY TO TOP OF FENCE WITH THE RIPPED END OF FENCE AND NOT TO SECTION.
  3. WHEN THE SECTIONS OF FILTER CLOTH MEET, THEY MUST BE OVERLAPPED BY SIX INCHES AND FILLED.
  4. MAINTENANCE SHALL BE PROVIDED AS NECESSARY TO KEEP THE FENCE IN PROPER ORDER.
- SILT FENCE**  
NO SCALE

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."  
*Arthur E. Luegge* 12-17-87  
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."  
*Arthur E. Luegge* 2-9-90  
ENGINEER DATE

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS  
*John R. Robertson* 2-13-90  
SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John R. Robertson* 2/2/90  
HOWARD S.C.D. DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
*James E. Zoller* 4-21-90  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*Arthur E. Luegge* 5-18-90  
DIRECTOR DATE

*Frank J. S. S. S.* 7/2/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC WORKS.  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James E. Zoller* 4-19-90  
DIRECTOR DATE

*Arthur E. Luegge* 2-21-90  
CHIEF, BUREAU OF ENGINEERING DATE

OWNER/DEVELOPER  
SOVRAN FINANCIAL CORPORATION  
7050 NEW HAMPSHIRE AVENUE  
LANGLEY PARK, MARYLAND 20783-4002

PROJECT: COLUMBIA 100 SOVRAN BANK ONE STORY BANK BUILDING  
AREA TAX MAP 90 ZONED FOR PLAT NO. 7538  
COLUMBIA 100 OFFICE RESEARCH PARK SEC. 1, AREA 1 PARCEL B-2  
ESP ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

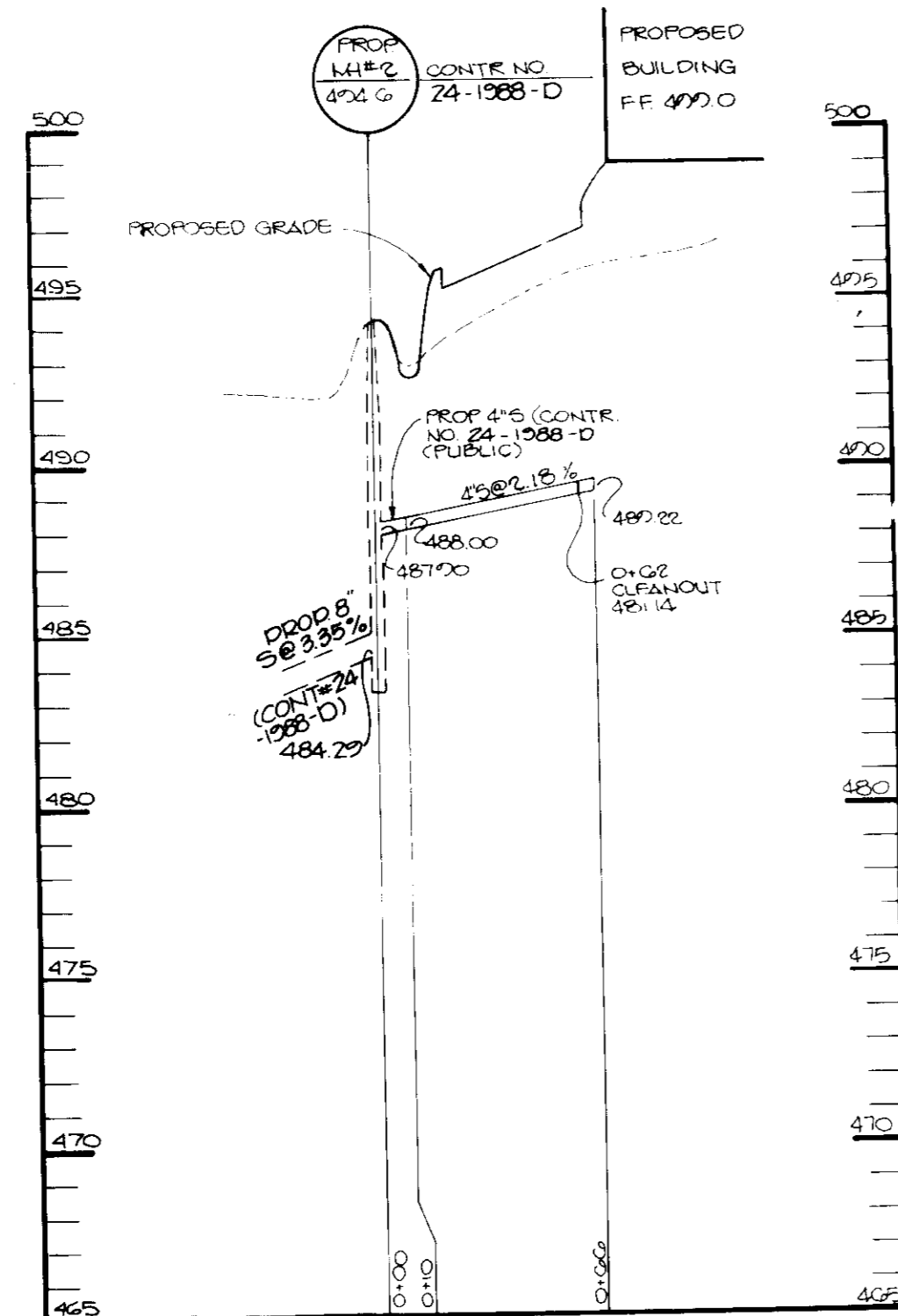
TITLE: GRADING, SEDIMENT CONTROL AND DRAINAGE AREA MAP  
REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

RIEMER MUEGGE & ASSOCIATES, INC.  
A Land Planning, Engineering and Consulting Firm  
3105 North Ridge Road Ellicott City, Maryland 21043  
301-461-2690 FAX: 301-750-3176

APPROVED PLANNING BOARD of HOWARD COUNTY  
DATE 11-27-87

DESIGNED BY: W.C.W.  
DRAWN BY: CAD/WAD  
PROJECT NO: 00000  
DATE: FEBRUARY 7, 1990  
SCALE: AS SHOWN  
DRAWING NO. 3 OF 5  
*Arthur E. Luegge* 8-20  
ARTHUR E. LUEGGE DATE

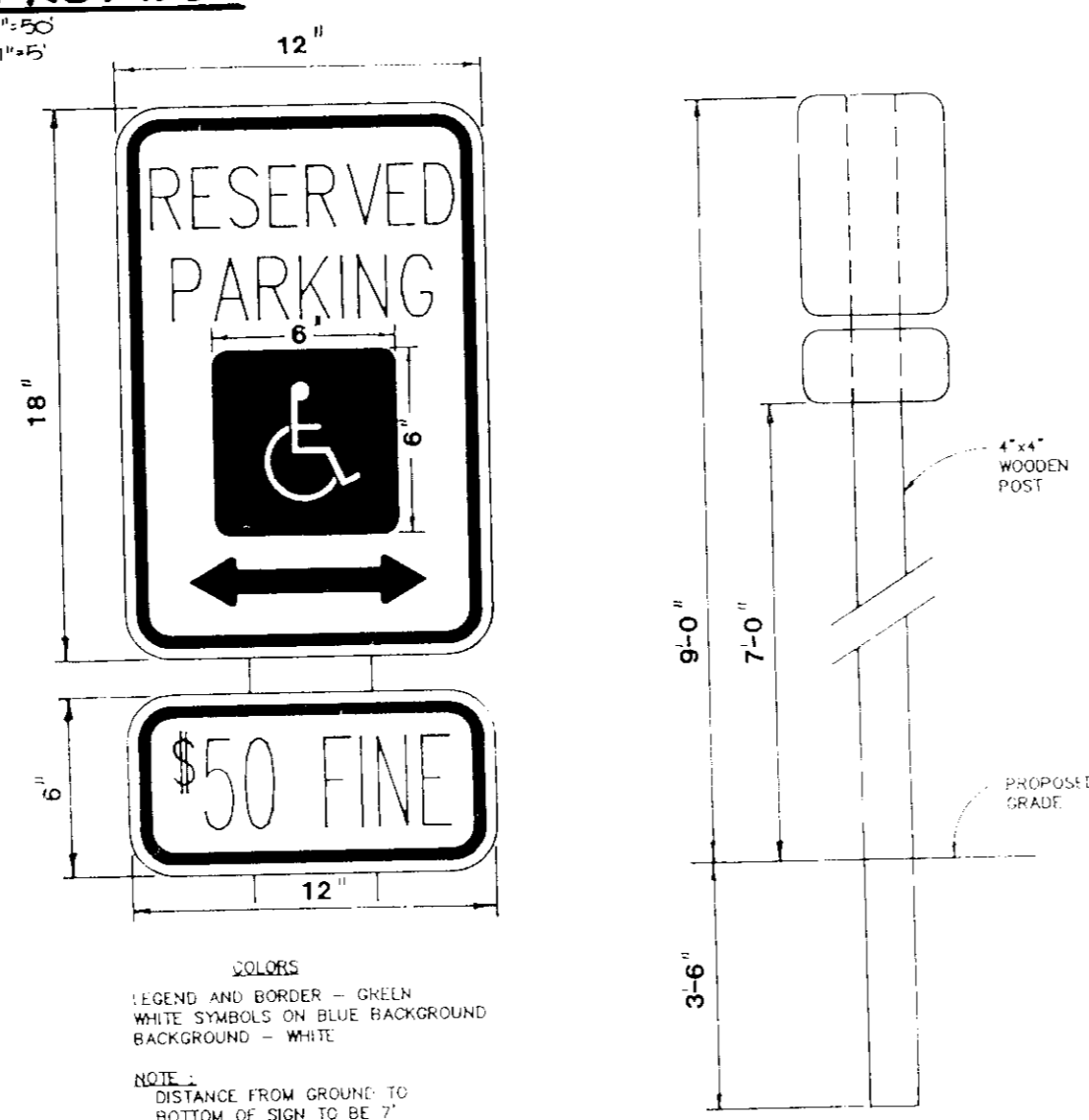
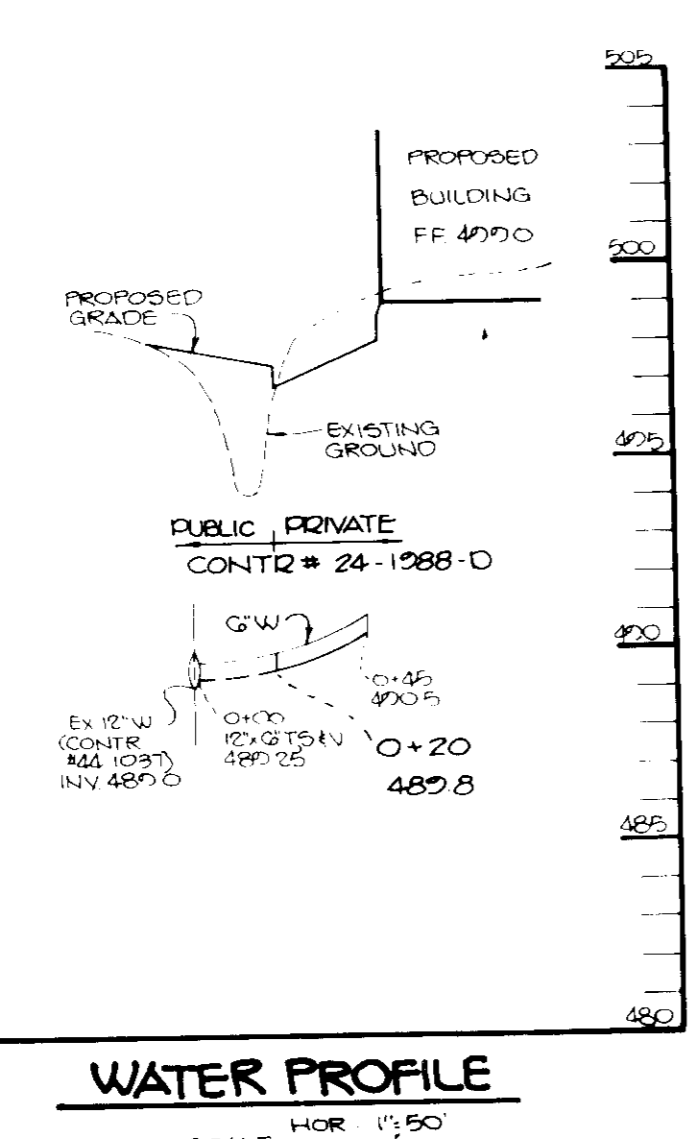
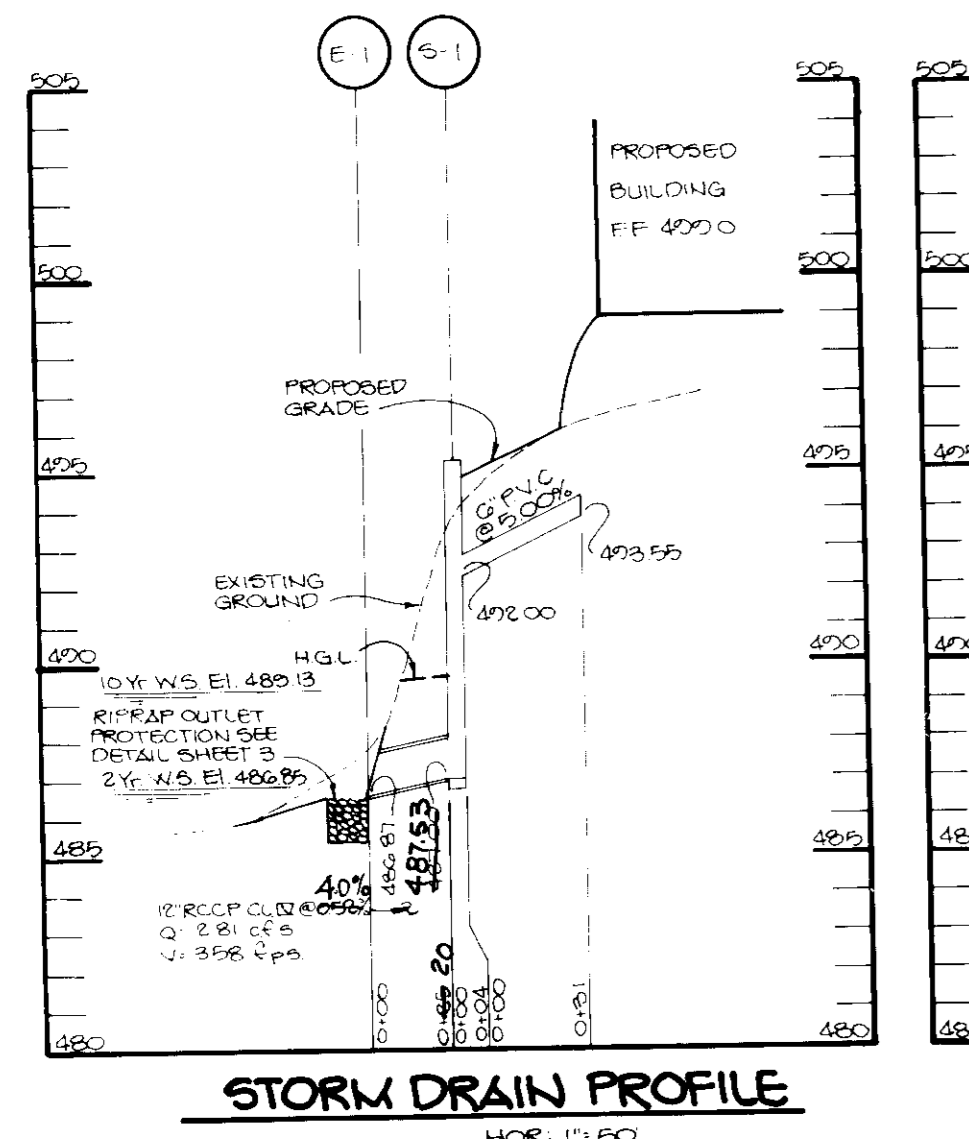
SOP-89-248



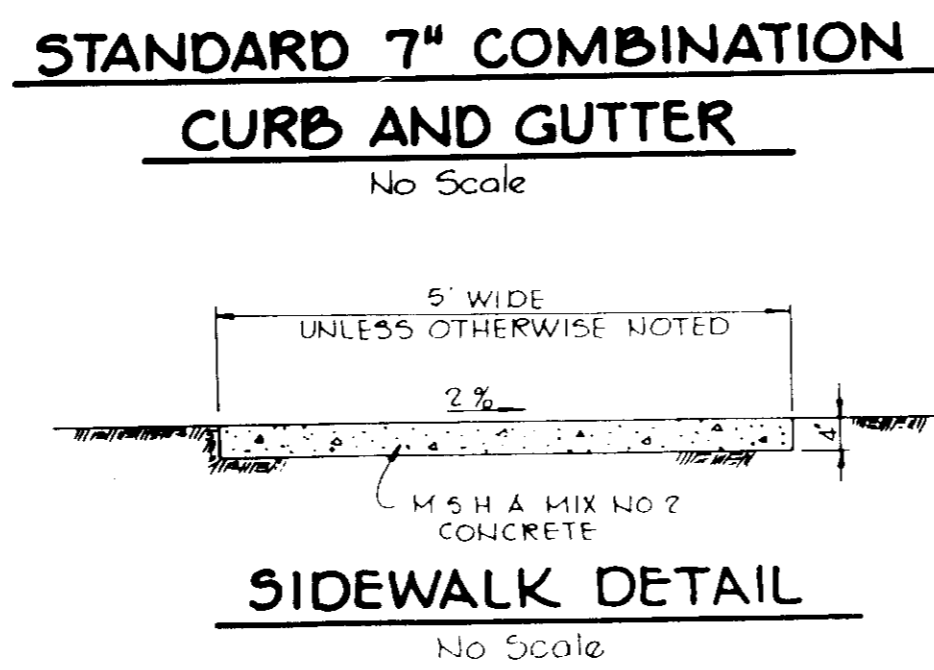
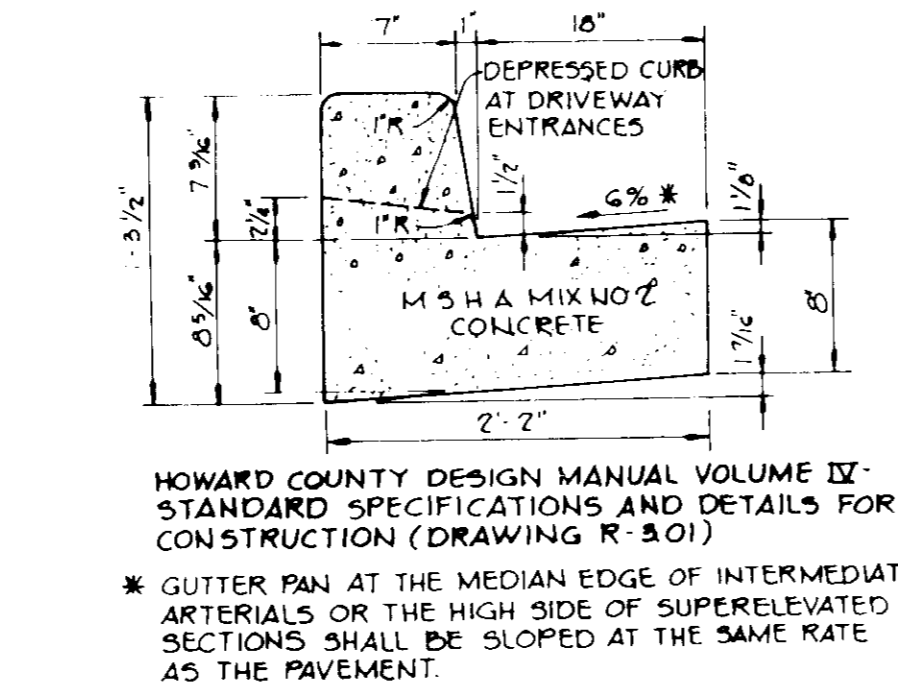
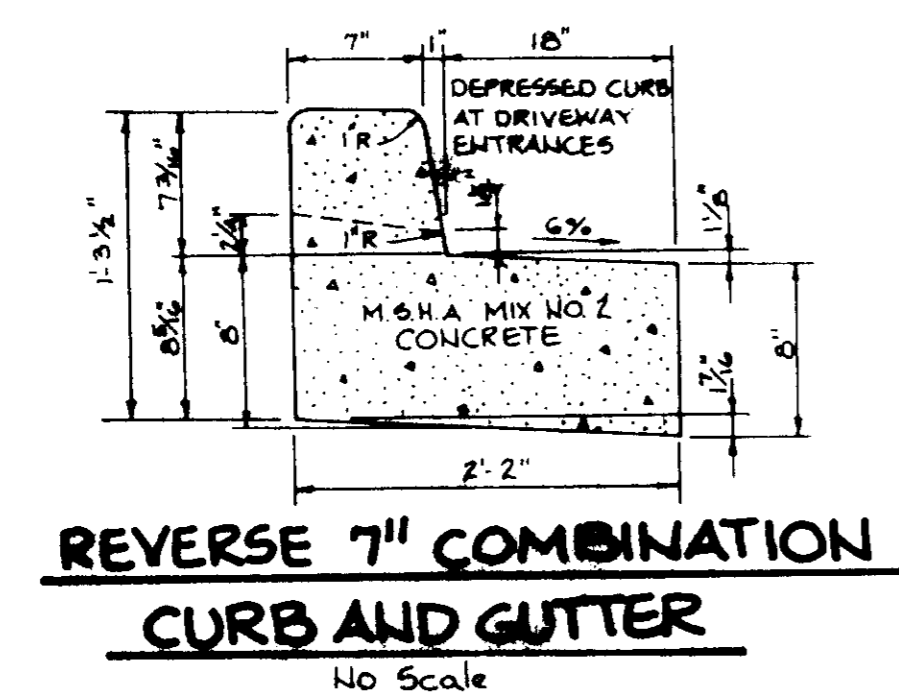
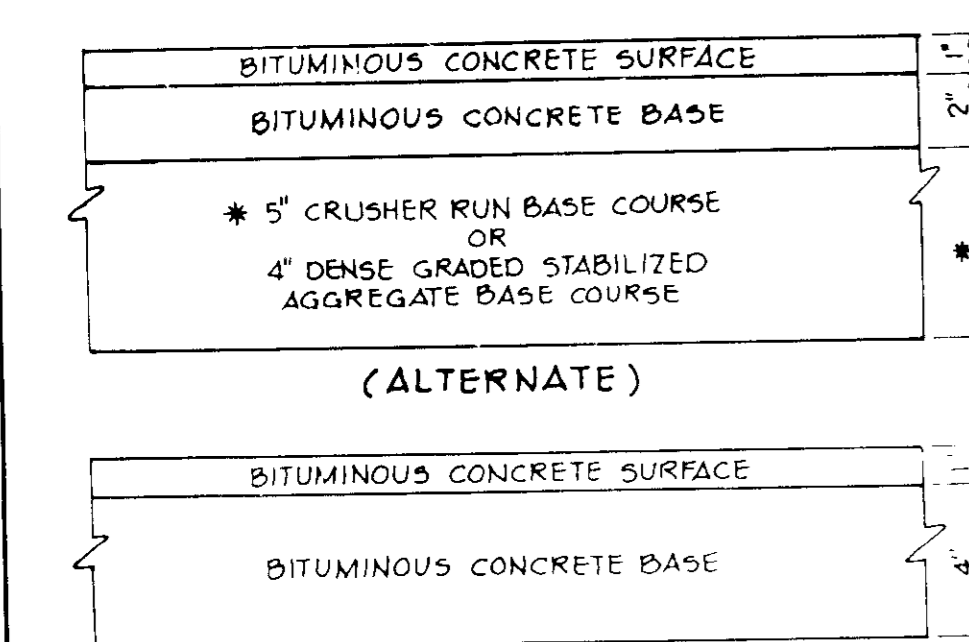
OIL AND GRIT SEPARATOR DIMENSION CHART

STRUCTURE	THROUGH LENGTH	L <sub>1</sub>	L <sub>2</sub>	L <sub>3</sub>	D	H	BOTTOM ELEV	INVERT IN	INVERT OUT	INVERT 'OO' ELBOW	NO OF 6" PVC OPENINGS
S-1	5.0	6.0	4.0	4.0	3.5	7.4	487.53	487.53	487.53	487.53	3

NOTE: FOR WALL THICKNESS & WALL REINFORCEMENT SEE HO. CO. STD. DETAILS W 3/26, W 3/27, & W 3/28



- CONSTRUCTION NOTES:
1. Use pour-in-place concrete for the under structure.
  2. Refer to Maryland Dept. Highway Administration for materials and methods of construction.
  3. Wall thickness shall be as per Ho Co Std details W 3/26 & W 3/27.
  4. If c = 3,000 PSI at 28 days.
  5. All reinforcing steel to be ASTM A617, GR. 60.
  6. For details concerning finish openings, refer to Howard County Standard Det #11 3/26-4/01.
  7. For details not noted in this standard, refer to Howard County Standard Det #11 W 3/26, W 3/27, W 3/28 & 4/01.
  8. The top 4 inches of walls may be brick masonry for leveling, if required. Brick masonry shall comply with the latest SMA specification.
  9. When grate openings is used, refer to the appropriate SMA Standard for details. Details shall be shown on the plans.
  10. When inside width of structure is greater than 4'-0", reinforcing shall be revised as needed.
  11. When structure is subject to traffic loading, reinforcing shall be designed for the appropriate traffic loads. Design loads shall be indicated on the plans.
  12. All inlets and incoming pipes shall be checked for possible backwater of tailwater problems.



STRUCTURE SCHEDULE

NO.	TYPE	T.O. ELEV.	INV. IN	INV. OUT	REMARKS
S-1	WATER QUALITY STRUCTURE	SEE SHEET NO. 4 OF THIS PLAN			
E-1	12" CONJ. END SECTION	486.87			HO. CO. STD. DTL. SD 5.51

THIS IS TO CERTIFY THAT THIS AS-BUILT IS COMPLETE AND ACCURATE AND THAT THE STORM DRAIN FACILITIES ARE CONSTRUCTED TO LINES AND GRADES SHOWN HEREON IN

JOHN N. SHAW, P.E.  
MD. No. 13885

**APPROVED PLANNING BOARD of HOWARD COUNTY**  
DATE: 11-22-89

DESIGNED BY W.C.W.  
DRAWN BY M.A.D.  
PROJECT NO. 00000  
DATE: FEBRUARY 7, 1990  
SCALE: AS SHOWN  
DRAWING NO. 4 OF 5

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
DATE: 4-25-90

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.  
DATE: 5-18-90

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.  
DATE: 4/2/90

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
DATE: 2-21-90

OWNER / DEVELOPER: SOVRAN FINANCIAL CORPORATION, 7050 NEW HAMPSHIRE AVENUE, LANGLEY PARK, MARYLAND 20783-1072

PROJECT: COLUMBIA 100 SOVRAN BANK ONE STORY BANK BUILDING

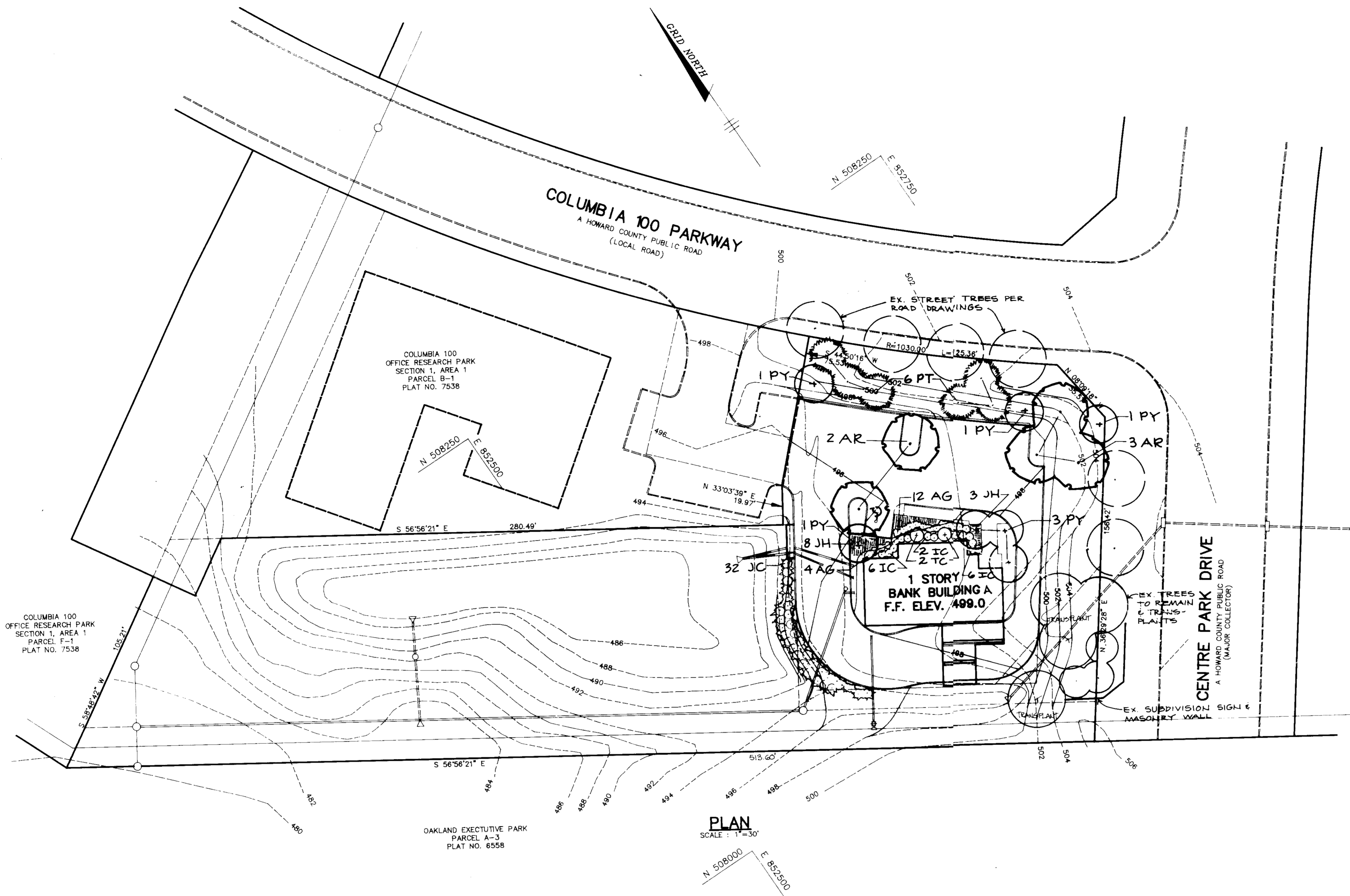
AREA TAX MAP 30 ZONED FOR PLAT NO. 755B COLUMBIA 100 OFFICE RESEARCH PARK SEC. 1, AREA 1, PARCEL B & C 23P ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

TITLE: PROFILES AND DETAILS

RIEMER MUEGGE & ASSOCIATES, INC.  
A Land Planning, Engineering and Consulting Firm  
3105 North Ridge Road Ellicott City, Maryland 21043  
301-461-2690 FAX: 301-750-3176

DATE: 2-6-90





Qty.	Symbol	Name	Size	Remarks
16	AG	AZALEA 'GUMPO' Pink Gumpo Azalea	3 Gal.	
6	AR	ACER RUBRUM 'OCTOBER GLORY' October Glory Red Maple	2 1/2 - 3" Cal. 13-15' Ht.	H & B
14	IC	ILEX CRENATA 'COMPACTA' Compact Japanese Holly	24-30"	
32	JC	JUNIPERUS CHINENSIS 'MINT JULEP' or 'SEA GREEN' Mint Julep or Sea Green Juniper	24-30"	
18	JH	JUNIPERUS HORIZONTALIS 'PLUMOSA COMPACTA' Compact Andorra Juniper	18-24" Spread	
6	PT	PINUS THUNBERGII Japanese Black Pine	6-7'	B & B
7	PY	PRUNUS YEDOENSIS Yoshino Cherry	8-10'	B & B
2	TC	TAXUS CUSPIDATA 'CAPITATA' Pyramidal Yew	6-7'	B & B

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

*Joselyn Bode* 4-25-90  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Christy* 5-18-90  
DIRECTOR DATE

*James J. ...* 4-25-90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

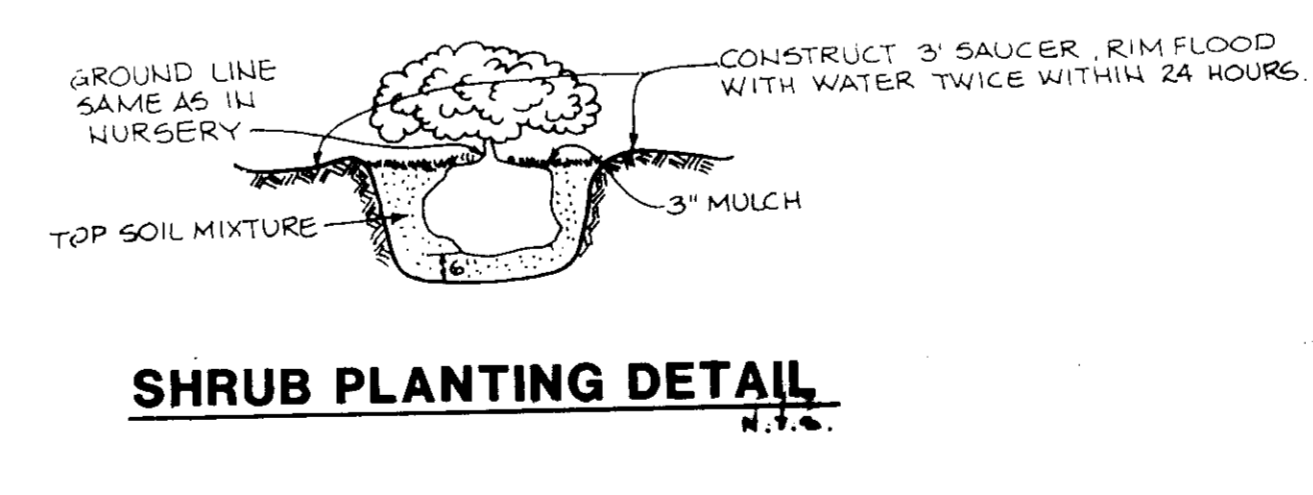
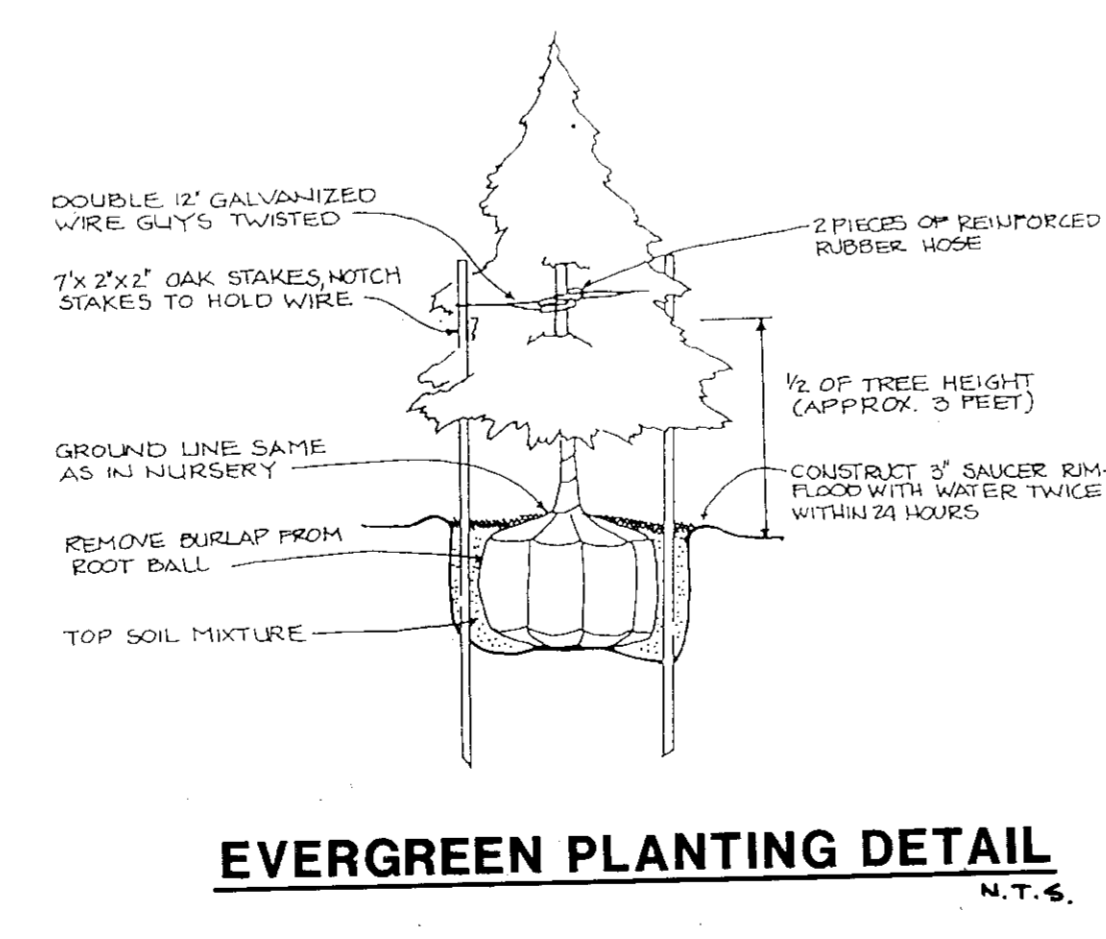
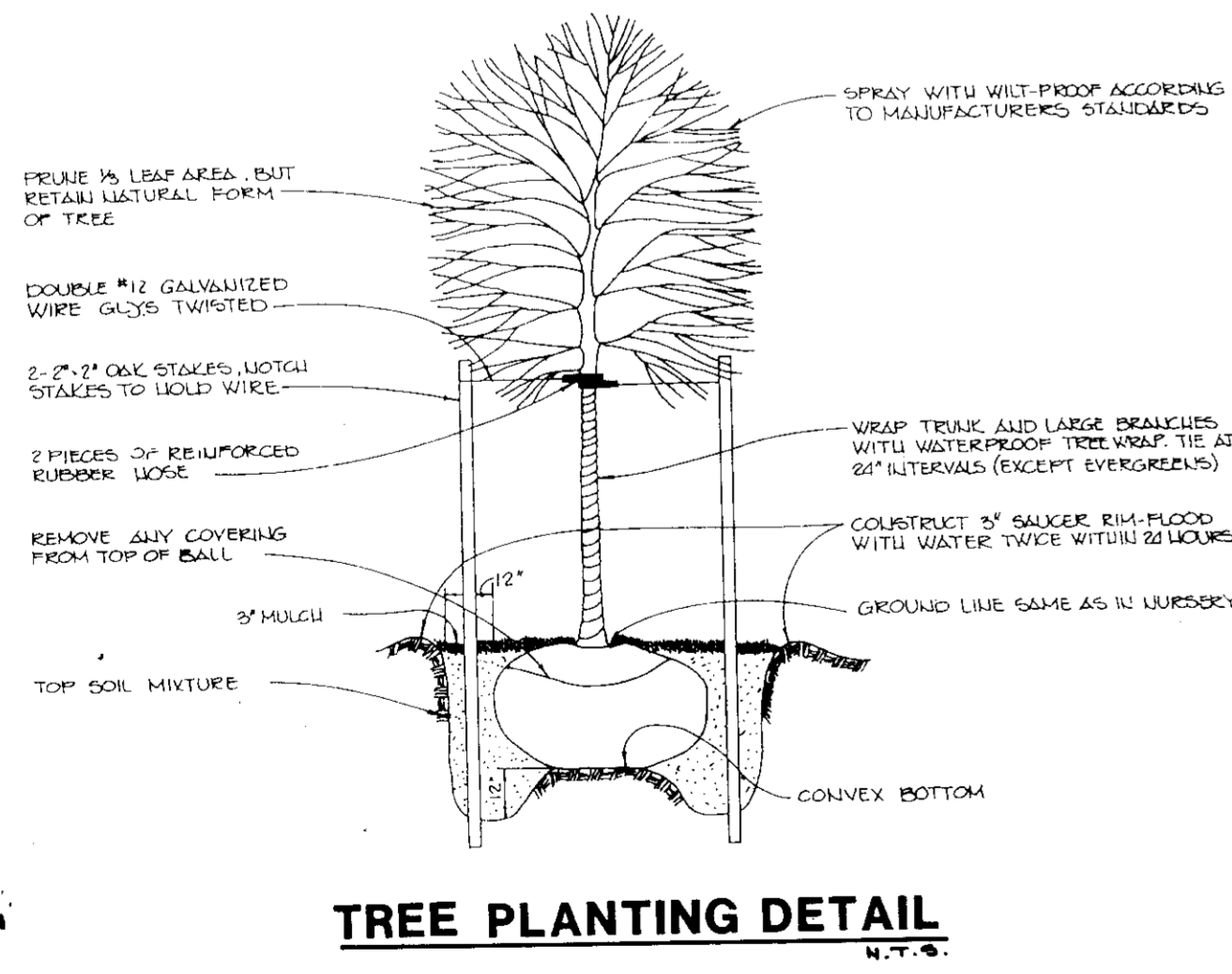
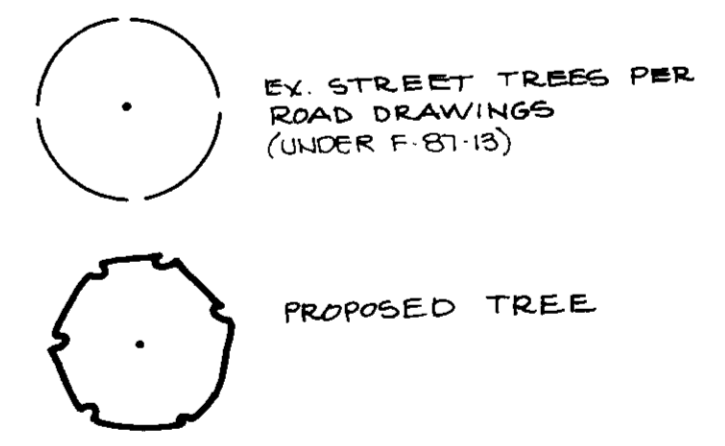
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James J. ...* 4-19-90  
DIRECTOR DATE

*William B. ...* 2-21-90  
CHIEF, BUREAU OF ENGINEERING DATE

PLAN  
SCALE: 1" = 30'  
N 50°00'00" E 852'300"

**LEGEND**



APPROVED  
PLANNING BOARD  
OF HOWARD COUNTY  
11-22-87  
J.B.

2-6-90  
DATE

DESIGNED BY Z.L.K.  
DRAWN BY Z.L.K.  
PROJECT NO. 60602  
DATE  
SCALE: 1" = 30'  
DRAWING NO. 5 OF 5

Melanie Moser  
MELANIE MOSER