

BUILDING ELEVATIONS  
NOT TO SCALE

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY "MSES UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:
  - MSES UTILITY 1-800-257-7777
  - C & P TELEPHONE COMPANY: 725-9976
  - HOWARD COUNTY BUREAU OF UTILITIES: 313-2366
  - M&T CABLE LOCATION DIVISION: 393-3553
  - B.G.&E. CO. CONTRACTOR SERVICES: 850-4620
  - B.G.&E. CO. UNDERGROUND DAMAGE CONTROL: 787-9088
  - STATE HIGHWAY ADMINISTRATION: 531-5533
- SITE ANALYSIS:
  - AREA OF PARCEL = 1.20 AC
  - PRESENT ZONING: B-2
  - USE OF STRUCTURE: BANK
  - PROPOSED BUILDING AREA: 2,500 SQ.FT.
  - MAXIMUM NUMBER OF EMPLOYEES: 5
  - BUILDING COVERAGE ON SITE: 0.06 AC OR 5% OF GROSS AREA
  - PAVED PARKING LOT/AREA ON SITE: 0.49 AC OR 41% OF GROSS AREA
  - AREA OF LANDSCAPE ISLAND: 0.08 AC = 3,300 SQ.FT.
- PROJECT BACKGROUND:
  - LOCATION: CLARKSVILLE, MARYLAND TAX MAP: 34 PARCELS: 256, 365 AND 195
  - ZONING: B-2
  - SECTION/AREA: N/A
  - SITE AREA: 1.20 AC
  - DP7 REFERENCES: SP-93-14 APPROVED 9/20/93
  - F-94-38 APPROVED 1/13/94
  - WP-93-90 APPROVED 7/16/93
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS, FIELD SURVEYS AND AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3,500 P.S.I.
- 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.
- ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF CALCULATING FEES.
- SOIL COMPACTION SPECIFICATIONS, REQUIREMENTS, METHODS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEERS WHICH MEET OR EXCEED APPLICABLE AGENCY STANDARDS, REFERENCED IN GENERAL NOTE 1.
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS "C" AS SHOWN IN FIG. 11-4 VOLUME I OF HOWARD COUNTY DESIGN MANUAL.
- STORMWATER MANAGEMENT PROVIDED UNDER F-94-38.
- THERE IS NO FLOODPLAIN ON THIS SITE.
- COORDINATES AND ELEVATIONS ARE BASED ON HOWARD COUNTY MONUMENTS 0013 AND 34C2 (NAD 83).
- THERE ARE NO WETLANDS ON THIS SITE.
- A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
- EXISTING TOPOGRAPHY IS FROM HOLWECK SUBDIVISION ROAD CONSTRUCTION PLANS, PROPOSED GRADING F 94-38.
- WATER FOR THIS PROJECT IS PUBLIC UNDER CONTRACT NUMBER 44-3223-D.
- SEWER FOR THIS PROJECT IS PRIVATE.
- ALL PAVING TO BE A MINIMUM OF HOWARD COUNTY STANDARD P-2 UNLESS OTHERWISE DETERMINED BY THE GEOTECHNICAL ENGINEER (SEE P-2 DETAIL SHEET 6)
- ALL CURB AND GUTTER TO BE HOWARD COUNTY STANDARD CONCRETE OR HOWARD COUNTY STANDARD BITUMINOUS WHERE SPECIFIED (SEE DETAIL SHEET 6) EXCEPT AS NOTED ON PLAN.
- PROPOSED ELEVATIONS SHOWN HEREIN TO BE STRICTLY ENFORCED DURING GRADING AND SITE DEVELOPMENT. DISTURBANCE TO GROUND BELOW PROPOSED ELEVATIONS WILL RESULT IN LOSS OF PRIVATE SEWAGE EASEMENT.
- APPROVAL OF COMMERCIAL SITE DEVELOPMENT PLAN SUBJECT TO COMPLIANCE TO INDUSTRIAL DISCHARGE PERMIT REQUIREMENTS AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE LOTS HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT 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.
- THE SEPTIC SYSTEM MAY NOT BE PUT INTO SERVICE UNTIL THE EXISTING WELL ON PARCEL "A" HAS BEEN ABANDONED.
- USE-IN-COMMON ACCESS EASEMENT SERVING LOTS A, B AND C RECORDING REFERENCE: L3364 F.64F

PARKING TABULATION

| PROVIDED  | REQUIRED  |
|---|-----------|
| 2,500 SQ.FT. BUILDING AREA: 5 SPACE/1000 SQ.FT. | 21 SPACES |
| HANDICAP SPACES: 2                              | 2 SPACES  |
| TOTAL SPACES: 23                                | 23 SPACES |

ADDRESS CHART

| PARCEL | STREET ADDRESS   |
|--------|------------------|
| "B"    | 12410 AUTO DRIVE |

LEGEND

|                 |                           |   |                         |
|-----------------|---------------------------|---|-------------------------|
| --- 484 ---     | EXISTING CONTOUR          | ▨ | PRIVATE SEWAGE EASEMENT |
| - - - 484 - - - | PROPOSED CONTOUR          | ▬ | PROPOSED WATER          |
| ○               | PROPOSED LIGHTING FIXTURE | ▬ | PROPOSED STORM DRAIN    |
| ●               | PASSING PERCUSSION TEST   | ▬ | PROPOSED SEWER          |

NOTE: ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE INDICATED.

ENGINEERS CERTIFICATE

"I HEREBY 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"

Signature: *Robert H. Coyle* DATE: 11/7/94

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."

Signature: *Chris...* DATE: \_\_\_\_\_

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Signature: *Patricia Coyle* DATE: 11/1/94

U. S. SOIL CONSERVATION SERVICE

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

Signature: *John...* DATE: 11/23/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Signature: *Wanda...* DATE: 2/5/94

DIRECTOR

Signature: *Anna...* DATE: 12/1/94

CHIEF, LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR STORM DRAINAGE AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Signature: *John...* DATE: 11/30/94

Signature: *C.E....* DATE: 11/20/94

CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

Signature: *James...* DATE: 2/5/94

COUNTY HEALTH OFFICER

| SUBDIVISION NAME    | SECTION/AREA | PARCEL NUMBER |
|---------------------|--------------|---------------|
| HOLWECK SUBDIVISION | N/A          | PARCEL "B"    |

| PLAT NO. | BLOCK NO. | ZONE | TAX/ZONE | ELECT. DIST. | CENSUS TR. |
|----------|-----------|------|----------|--------------|------------|
| 11180    | 6         | B-2  | 34       | 5th          | 6051       |

WATER CODE: J07 PRIVATE SEWER CODE: \_\_\_\_\_

| NO. | REVISION       | DATE |
|-----|----------------|------|
| 1   | REVISED LAYOUT |      |

CITIZENS NATIONAL BANK  
PARCEL "B" HOLWECK SUBDIVISION  
SITE DEVELOPMENT PLAN

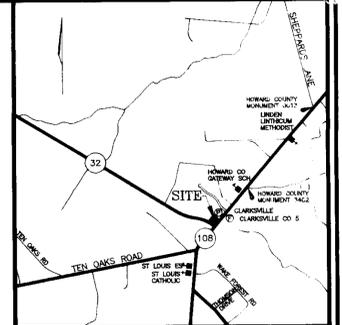
TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL "B"  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

MARKS-VOGEL ASSOCIATES, INC.  
ENGINEERS - SURVEYORS - PLANNERS

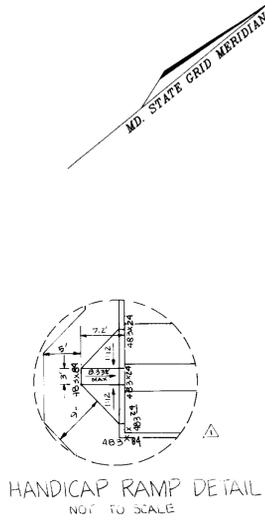
3691 PARK AVENUE, SUITE 101 TELLCOTT CITY, MARYLAND 21048 TELEPHONE: (410) 461-5828 FAX: (410) 465-3968

DESIGN BY: R.H.V.  
DRAWN BY: D.G.H.  
CHECKED BY: R.H.V.  
DATE: SEPTEMBER, 1994  
SCALE: 1"=30'  
W.O. NO.: \_\_\_\_\_

1 SHEET OF 6

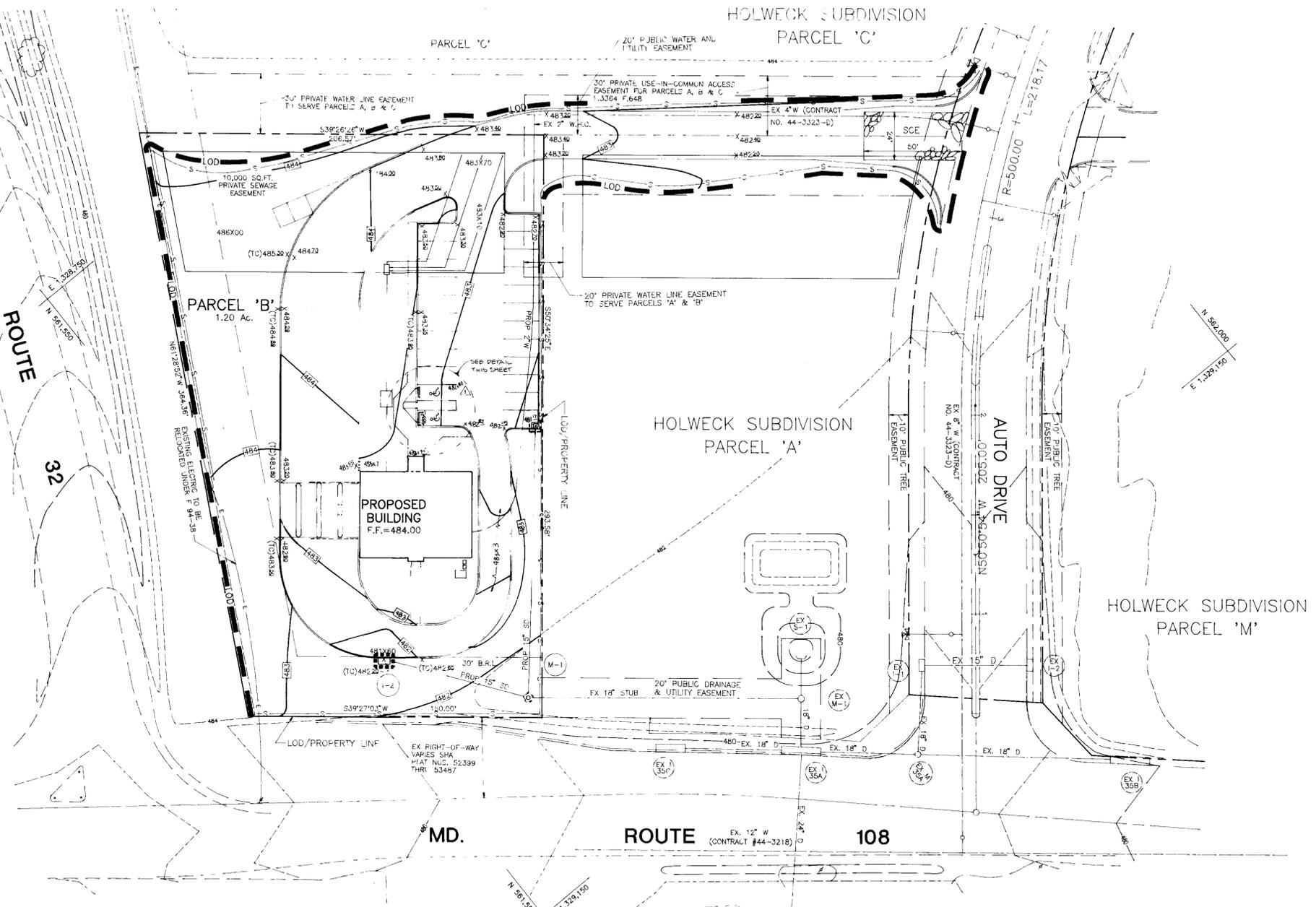


VICINITY MAP  
SCALE: 1"=2000'  
SHEET INDEX



**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT. 1 DAY
2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS (313-1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK. 1 DAY
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. 1 DAY
4. INSTALL PERIMETER SEDIMENT CONTROL MEASURES. 1 DAY
5. PERFORM ROUGH SITE GRADING. 1 DAY
6. BEGIN CONSTRUCTION OF BANK BUILDING. 8 WEEKS
7. INSTALL SEWAGE DISPOSAL SYSTEM AND PUBLIC WATER LINE. 1 WEEK
8. CONSTRUCT STORM DRAINAGE SYSTEM AND INSTALL INLET PROTECTION. 1 WEEK
9. CONSTRUCT PARKING LOTS, DRIVEWAYS, AND SIDEWALKS. 2 WEEKS
10. INSTALL LANDSCAPING.
11. DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDED NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN HEREON.
12. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
  - A. 7 CALENDER DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
  - B. 14 CALENDER DAYS FOR ALL OTHER DISTURBED AREA.
13. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL STRUCTURES.



NOTE:  
 1. ALL ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED.  
 2. ALL CONCRETE CURB AND GUTTER IS HOWARD COUNTY STANDARD DETAIL R 3.01 UNLESS OTHERWISE NOTED.  
 3. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.  
 4. PAVEMENT TO BE WARPED AS NECESSARY TO PROVIDE DRAINAGE TO INLET.  
 5. PROPOSED ELEVATIONS SHOWN HEREIN TO BE STRICTLY ENFORCED DURING GRADING AND SITE DEVELOPMENT. DISTURBANCE TO GROUND BELOW PROPOSED ELEVATIONS WILL RESULT IN LOSS OF PRIVATE SEWAGE EASEMENT.

**LEGEND**

|                |                                  |             |                                  |
|----------------|----------------------------------|-------------|----------------------------------|
| ---484---      | EXISTING CONTOUR                 | ---LOD---   | LIMIT OF DISTURBANCE             |
| ---484---      | PROPOSED CONTOUR                 | ---S---     | SILT FENCE                       |
| ---S---        | SILT FENCE                       | ---SCE---   | STABILIZED CONSTRUCTION ENTRANCE |
| ---SCE---      | STABILIZED CONSTRUCTION ENTRANCE | ---INLET--- | INLET PROTECTION                 |
| ---EASEMENT--- | PRIVATE SEWAGE EASEMENT          |             |                                  |

OWNER/DEVELOPER  
 CITIZENS NATIONAL BANK  
 390 MAIN STREET  
 LAUREL, MARYLAND 20707  
 TELEPHONE: (301) 497-6292

|     |          |      |
|-----|----------|------|
| NO. | REVISION | DATE |
|     |          |      |

**CITIZENS NATIONAL BANK**  
**PARCEL 'B' HOLWECK SUBDIVISION**  
**GRADING AND SEDIMENT AND EROSION CONTROL PLAN**  
 TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS  
 3691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21043  
 TELEPHONE: (410) 461-6828 FAX: (410) 465-3986

**ENGINEERS CERTIFICATE**  
 I HEREBY 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 Signature of Engineer: *[Signature]* DATE: 11/17/94

**DEVELOPER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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.  
 Signature of Developer: *[Signature]* DATE: 11/17/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 Signature: *[Signature]* DATE: 11/20/94  
 U. S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
 Signature: *[Signature]* DATE: 11/23/94  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Signature: *[Signature]* DATE: 12/3/94  
 DIRECTOR

APPROVED: FOR STORM DRAINAGE AND PUBLIC ROADS  
 Signature: *[Signature]* DATE: 12/7/94  
 CHIEF, LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS  
 Signature: *[Signature]* DATE: 12/5/94  
 COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Signature: *[Signature]* DATE: 11/29/94  
 CHIEF, BUREAU OF ENGINEERING

|                     |              |               |
|---------------------|--------------|---------------|
| SUBDIVISION NAME    | SECTION/AREA | PARCEL NUMBER |
| HOLWECK SUBDIVISION | N/A          | PARCEL 'B'    |
| PLAT NO.            | BLOCK NO.    | ZONE          |
| 11180               | 6            | B-2           |
| TAX/ZONE            | ELECT. DIST. | CENSUS TR.    |
| 34                  | 5th          | 6051          |
| WATER CODE          | SEWER CODE   |               |
| J07                 | PRIVATE      |               |



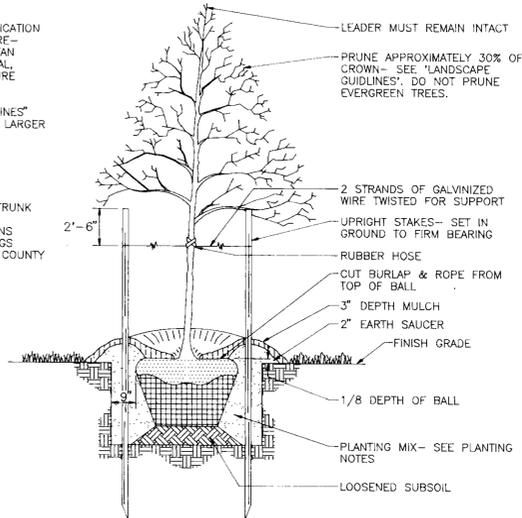
DESIGN BY: R.H.V.  
 DRAWN BY: D.G.H.  
 CHECKED BY: R.H.V.  
 DATE: SEPTEMBER, 1994  
 SCALE: 1"=30'  
 W.O. NO.:

**PLANTING NOTES**

- PLANTS, RELATED MATERIALS, AND OPERATIONS SHALL MEET THE DETAILED DESCRIPTION AS GIVEN ON THE PLANS AND AS DESCRIBED HEREIN.
- ALL PLANT MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE NURSERY GROWN, UNIFORMLY BRANCHED AND HAVE A VIGOROUS ROOT SYSTEM. PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS PLANTS FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUNSCALD INJURIES, ABRASIONS OF THE BARK, PLANT DISEASE, INSECT PEST EGGS, BOYERS AND ALL FORMS OF INFESTATION OR OBJECTIONABLE DISFIGUREMENTS. PLANT MATERIAL THAT IS WEAK OR WHICH HAS BEEN CUT BACK FROM LARGER GRADES TO MEET SPECIFIED REQUIREMENTS WILL BE REJECTED. TREES WITH FORKED LEADERS WILL NOT BE ACCEPTED. ALL PLANTS SHALL BE FRESHLY DUG; NO HELED-IN PLANTS OR PLANTS FROM COLD STORAGE WILL BE ACCEPTED.
- UNLESS OTHERWISE SPECIFIED, ALL PLANT MATERIAL SHALL CONFORM TO "AMERICAN STANDARD FOR NURSERY STOCK" ANSI Z60.1-1986, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INCLUDING ALL ADDENDA.
- UNLESS OTHERWISE SPECIFIED, ALL GENERAL CONDITIONS, PLANTING OPERATIONS, DETAILS AND PLANTING SPECIFICATIONS SHALL CONFORM TO "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" (HEREIN-AFTER "LANDSCAPE GUIDELINES") APPROVED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON AND THE POTOMAC CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS, SEPTEMBER, 1981, INCLUDING ALL ADDENDA.
- CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THE LANDSCAPE GUIDELINES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES, UTILITY CONTRACTORS AND "MISS UTILITY" A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND LOCATION OF PLANTIN MATERIALS TO AVOID CONFLICTS WITH UTILITIES.
- PLANTING BED SHALL BE MULCHED WITH 3" OF SHREDDED HARDWOOD BARK MULCH. GROUNDCOVER BEDS SHALL BE MULCHED TO A DEPTH OF 2".
- ALL AREAS WITHIN THE CONTRACT LIMIT NOT COVERED BY BUILDING, PAVING, PLANTING BEDS OR OTHERWISE DESIGNATED ON THE PLANS SHALL BE SEEDED AND MULCHED OR SODDED IN ACCORDANCE WITH "1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", PERMANENT SEEDING SPECIFICATIONS (SEE SHEET 6), INCLUDING ALL ADDENDA, AS DIRECTED BY THE OWNER.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL MATERIALS IN THE PROPER PLANTING SEASON FOR EACH PLANT TYPE.
- PLANTING MIX SHALL BE DONE AS FOLLOWS:  
 DECIDUOUS PLANTS - TWO PARTS TOP SOIL, ONE PART WELL-ROTTED COW OR HORSE MANURE, ADD 3 LBS. OF STANDARD 10-10-10 FERTILIZER PER CUBIC YARD OF PLANTING MIX.  
 EVERGREEN PLANTS - TWO PARTS TOPSOIL, ONE PART HUMUS OR OTHER APPROVED ORGANIC MATERIAL, ADD 3 LBS. OF EVERGREEN (ACIDIC) FERTILIZER PER CUBIC YARD OF PLANTING MIX.  
 TOPSOIL SHALL CONFORM TO LANDSCAPE GUIDELINES.
- THIS PLAN IS INTENDED FOR LANDSCAPE PLAN ONLY. SEE OTHER PLAN SHEETS FOR INFORMATION ON GRADING, SEDIMENT CONTROL, LAYOUT, ETC.
- CONTRACTOR TO ADJUST PLANTINGS AS REQUIRED WITH PRIOR APPROVAL OF THE ENGINEER OR LANDSCAPE ARCHITECT.

**NOTES**

- SEE "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" FOR ALL MATERIAL, PRODUCT, AND PROCEDURE SPECIFICATIONS.
- SEE "LANDSCAPE GUIDELINES" FOR SUPPORTING TREES LARGER THAN 2-1/2" CALIPER.
- PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS.
- KEEP MULCH 1" FROM TRUNK
- SEE ARCHITECTURAL PLANS FOR ADDITIONAL PLANTINGS WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS.
- TREES ARE NOT TO BE PLANTED OVER PRIVATE SEWAGE EASEMENT.



**TREE PLANTING AND STAKING**

DECIDUOUS AND EVERGREEN TREES UP TO 2-1/2" CALIPER NOT TO SCALE

**NOTE:**

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$2,500.00 (\$100 PER TREE)
- THE CONTRACTOR IS TO EXERCISE CAUTION WHEN INSTALLING LANDSCAPING IN CLOSE PROXIMITY TO SITE UTILITIES.

NOTE: THIS PLAN IS INTENDED FOR LANDSCAPE PURPOSES ONLY.

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Barbara J. ...* 12/3/94  
 DIRECTOR DATE  
*China ...* 12/1/94  
 CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR STORM DRAINAGE AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*...* 11/29/94 DATE  
*...* 11/29/94 DATE  
 CHIEF, BUREAU OF ENGINEERING

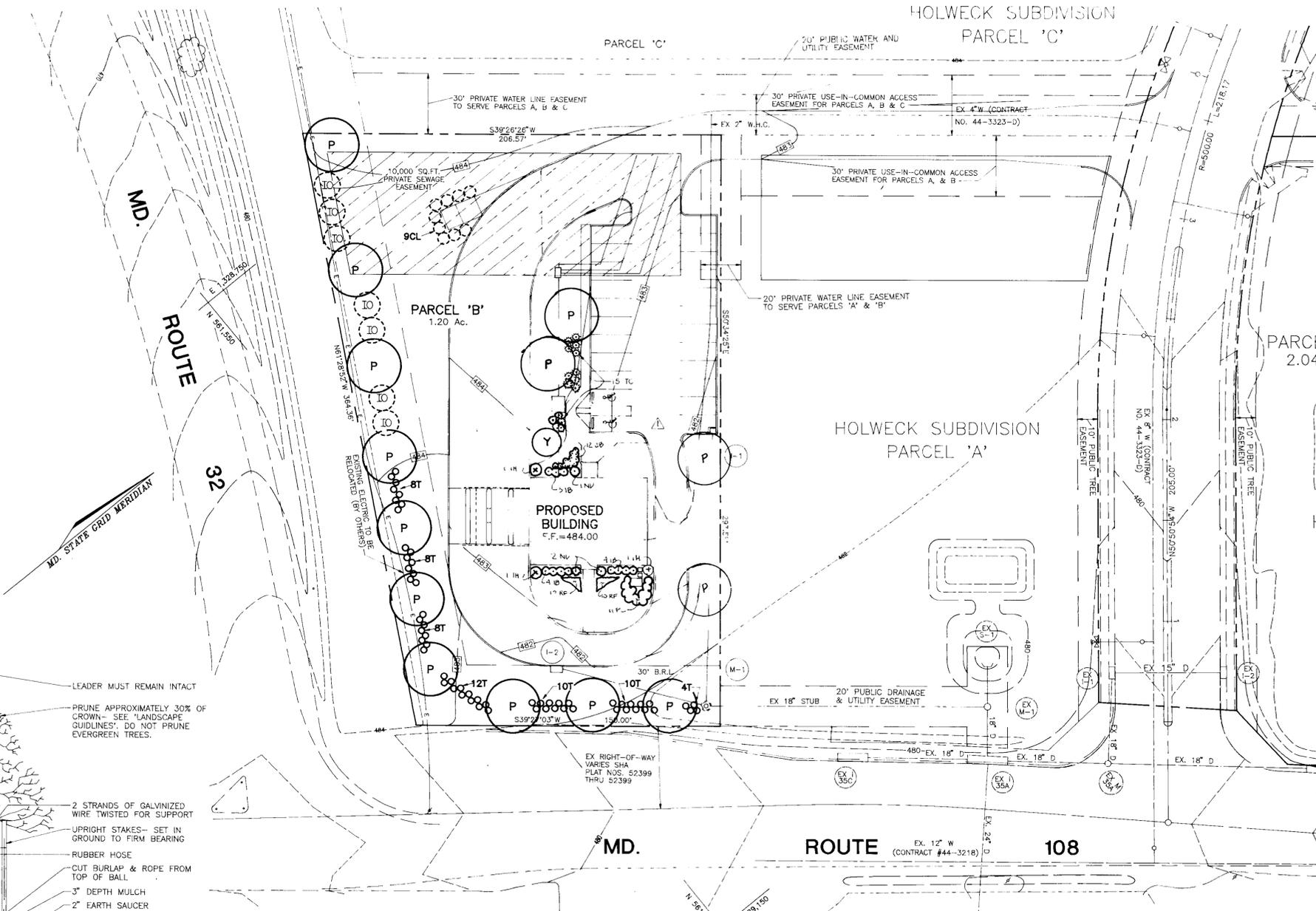
APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

*...* 12/3/94  
 COUNTY HEALTH OFFICER DATE

|                     |              |               |
|---------------------|--------------|---------------|
| SUBDIVISION NAME    | SECTION/AREA | PARCEL NUMBER |
| HOLWECK SUBDIVISION | N/A          | PARCEL 'B'    |
| PLAT NO.            | BLOCK NO.    | ZONE          |
| 11180               | 6            | B-2           |
| TAX/ZONE            | ELECT. DIST. | CENSUS TR.    |
| 34                  | 5th          | 6051          |

WATER CODE: JO7  
 SEWER CODE: PRIVATE

**HOLWECK SUBDIVISION**



**LANDSCAPE SCHEDULE**

| KEY | QTY | BOTANICAL NAME   | SIZE            | COUNT |
|-----|-----|--|-----------------|-------|
| Y   | 1   | PRUNUS YEDOENSIS/ YOSHINO CHERRY                           | 1-1/2" - 2" CAL | 1     |
| ND  | 3   | NANDINA DOMESTICA "GULFSTREAM"/ GULFSTREAM HEAVENLY BAMBOO | 2" - 2-1/2" HT  | 3     |
| P   | 15  | QUERCUS PALUSTRIS / PIN OAK                                | 2-1/2" - 3" CAL | 15    |
| PL  | 11  | PRUNUS LAR "OTTO LUYKENS"/ OTTO LUYKENS LAUREL             | 18" - 24" HT    | 11    |
| T   | 75  | TAXUS CUSPIDATA "NANA"/ DWARF JAPANESE YEW                 | 2" - 2-1/2" HT  | 75    |
| JB  | 12  | JUNIPERUS "BLUECHIP"/ BLUECHIP JUNIPER                     | 18" - 24" SP    | 12    |
| RF  | 20  | RUBROSCIA/BLACKEYED SUSAN                                  | 1 GAL           | 20    |
| IN  | 3   | ILEX "NELLIE STEVENS"/ NELLIE STEVENS HOLLY                | 5" - 6" HT      | 3     |
| IB  | 8   | ILEX "BURFORD"/ DWARF BURFORD HOLLY                        | 2" - 2-1/2" HT  | 8     |
| IO  | 7   | ILEX OPACA/AMERICAN HOLLY                                  | 5" - 6" HT      | 7     |
| CL  | 9   | CUPRESSOCYPARIS LEYLAND/ LEYLAND CYPRESS                   | 5" - 6" HT      | 9     |

**SCHEDULE B**  
 PARKING LOT INTERNAL LANDSCAPING

|                                       |                             |
|---------------------------------------|-----------------------------|
| NUMBER OF PARKING SPACES              | 32                          |
| NUMBER OF TREES + ISLANDS REQUIRED    | 1,200 SPALES=2 (410 SQ.FT.) |
| NUMBER OF TREES PROVIDED              | 4                           |
| SHADE TREES                           | 1                           |
| OTHER TREES (2:1 SUBSTITUTION) SHRUBS | 3                           |

COMMENTS: UTILIZING ISLAND BETWEEN PARKING AND DRIVE THROUGH LANES AS INTERNAL ISLAND (3,300 SQ.FT.)

**SCHEDULE A**  
 PERIMETER LANDSCAPE EDGE

| CATEGORY   | ADJACENT TO ROADWAYS | ADJACENT TO PERIMETER PROPERTIES |
|--|----------------------|----------------------------------|
| LANDSCAPE TYPE *   | B                    | N/A                              |
| LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER  | 514'                 | N/A                              |
| CREDIT FOR EXISTING VEGETATION (YES/NO LINEAR FEET) (DESCRIBE BELOW IF NEEDED)   | NO                   | N/A                              |
| CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED) | NO                   | N/A                              |
| NUMBER OF PLANTS REQUIRED  | 10                   | N/A                              |
| SHADE TREES 1:50   | 13                   | N/A                              |
| EVERGREEN TREES 1:40   | U                    | N/A                              |
| SHRUBS   | U                    | N/A                              |
| NUMBER OF PLANTS PROVIDED  | 9                    | N/A                              |
| SHADE TREES  | 7                    | N/A                              |
| EVERGREEN TREES  | U                    | N/A                              |
| OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION)                        | 60                   | N/A                              |
| (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)                            |                      |                                  |

\*NOTE: TYPE B SINCE DRIVE THROUGH LANES AND DRIVEWAYS ARE NOT CONSIDERED PARKING AND MUST ADHERE TO 30' RR...

|     |               |          |
|-----|---------------|----------|
| NO. | REVISION      | DATE     |
| 1   | REVISE LAYOUT | 11/29/94 |

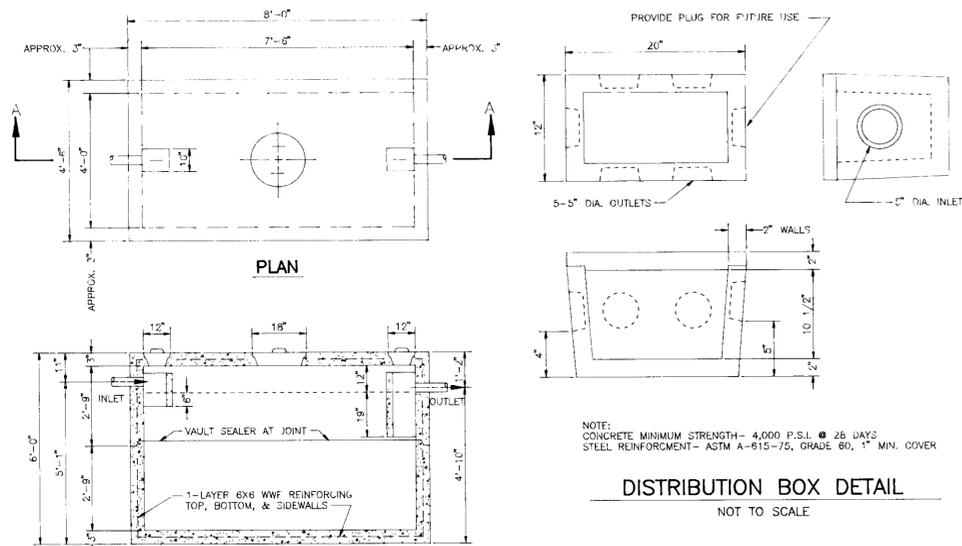
**CITIZENS NATIONAL BANK**  
**PARCEL 'B' HOLWECK SUBDIVISION**  
**LANDSCAPE PLAN**

TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21045  
 TELEPHONE: (410) 461-5828 FAX: (410) 465-9866

DESIGN BY: R.H.V.  
 DRAWN BY: D.G.H.  
 CHECKED BY: R.H.V.  
 DATE: SEPTEMBER, 1994  
 SCALE: 1"=30'  
 W.O. NO.: 3 SHEET OF 6

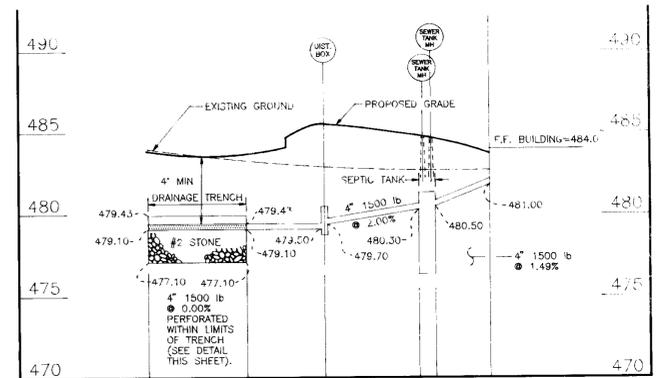


**SEPTIC SYSTEM DESIGN**

5 EMPLOYEES X 15 GPD = 75 GPD  
 30 CUSTOMERS X 5 GPD = 150 GPD  
 TOTAL GPD REQUIRED = 225 GPD  
 400 GPD MAXIMUM SEWAGE DESIGN FLOW ALLOCATION  
 TRENCH LOADING RATES = 0.8 GAL/SF/DAY  
 400/0.8 = 500'

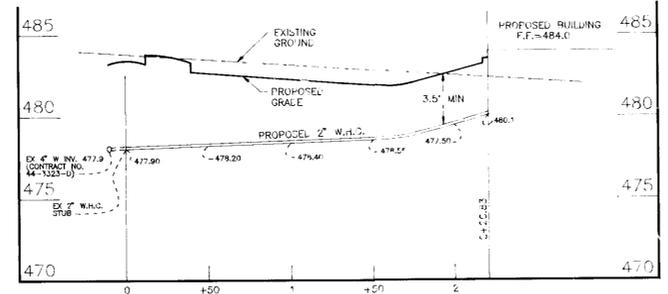
TRENCH CONFIGURATION = 2'(DEPTH)X3'(WIDTH) (12" O.C.)  
 500/3' = 167 L.F. OF TRENCH (MINIMUM)  
 TOTAL TRENCH PROVIDED: 185 L.F.

BUILDING FIRST FLOOR: 484.00  
 INVERT OUT OF BUILDING: 481.00  
 INVERT INTO SEPTIC TANK: 480.50  
 INVERT OUT OF SEPTIC TANK: 480.30  
 PROPOSED GRADE AT SEPTIC TANK: 484.70  
 INVERT INTO DISTRIBUTION BOX: 479.70  
 ORIGINAL GRADE AT DISTRIBUTION BOX: 479.10  
 PROPOSED GRADE AT DISTRIBUTION BOX: 485.50



**TYPICAL SEPTIC SYSTEM PROFILE**  
 SCALE: VERT. 1"=5', HORIZ. 1"=50'

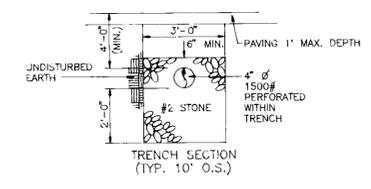
**1,000 GALLON SEPTIC TANK**  
 NOT TO SCALE



**2" WATER HOUSE CONNECTION PROFILE**  
 SCALE: VERT. 1"=5', HORIZ. 1"=50'

**TRENCH CONSTRUCTION NOTES**

- TRENCHES SHALL BE EXCAVATED USING A BACKHOE. FRONT-END LOADERS OR BULLDOZERS SHOULD NOT BE USED FOR TRENCH EXCAVATION.
- EXCAVATED MATERIALS FROM THE TRENCHES SHALL BE PLACED AT A SUFFICIENT DISTANCE DOWNSLOPE OF THE TRENCHES TO AVOID MIGRATION OF SOILS BACK INTO THE TRENCH.
- WORK SHALL BE SCHEDULED SUCH THAT THE TRENCHES CAN BE COVERED IN ONE DAY TO PREVENT WINDBLOWN OR WATERBORNE SEDIMENT FROM ENTERING THE TRENCH.
- THE FIELD ENGINEER SHALL VERIFY THE CONSTRUCTED ELEVATIONS OF THE TRENCHES TO ENSURE A MINIMUM 4 FOOT COVER IS PROVIDED. HEALTH DEPARTMENT TO BE NOTIFIED FOR INSPECTION PRIOR TO COVERING TRENCH.
- UPON COMPLETION OF THE TRENCH EXCAVATION AND PRIOR TO PLACEMENT OF PAVING, HEAVY CONSTRUCTION EQUIPMENT TRAFFIC SHALL BE DIVERTED FROM THE TRENCHES AND ADJACENT AREA.

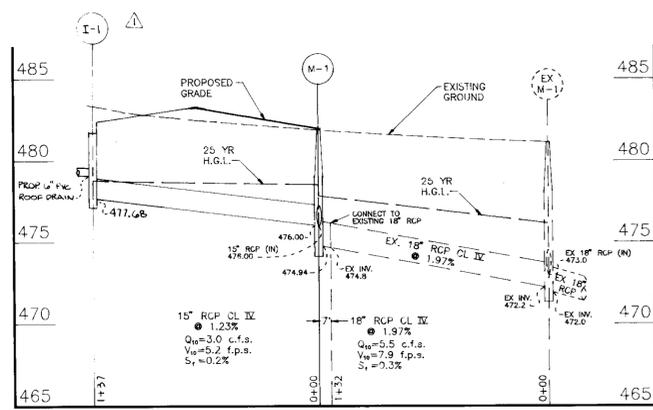


**TYPICAL SEPTIC SYSTEM TRENCH DETAIL**  
 NOT TO SCALE

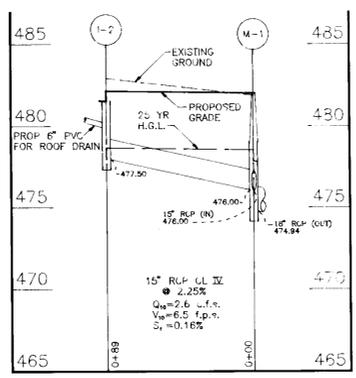
**STRUCTURE SCHEDULE**

| NO. | TYPE                       | TOP ELEVATION | ROADWAY SLOPE | CROSS SLOPE | LOCATION                      | INV IN | INV OUT | REMARKS                          |
|-----|----------------------------|---------------|---------------|-------------|-------------------------------|--------|---------|----------------------------------|
| I-1 | PRECAST SINGLE WR          | 481.70*       | SUMP          | 3.0%        | ST. STA. 7+78.23 28.63' RIGHT | -      | 477.40  | HOWARD COUNTY STD. UTL. SP. 4.3  |
| I-2 | PRECAST STD TYPE A-S INLET | 482.20*       | SUMP          | 2.0%        | ST. STA. 6+18.31 6.00' RIGHT  | -      | 478.00  | HOWARD COUNTY STD. UTL. SP. 4.4  |
| M-1 | 4'-0" STD. PRECAST MANHOLE | 482.00        | -             | -           | N 561.613.36 E 1,329,060.04   | 476.00 | 474.94  | HOWARD COUNTY STD. UTL. SP. 4.12 |

+ TOP OF GRADE.  
 \* TOP OF INLET AT FACE OF CURB.



**STORM DRAIN PROFILE**  
 SCALE: VERT. 1"=5', HORIZ. 1"=50'



**STORM DRAIN PROFILE**  
 SCALE: VERT. 1"=5', HORIZ. 1"=50'

OWNER/DEVELOPER  
 CITIZENS NATIONAL BANK  
 390 MAIN STREET  
 LAUREL, MARYLAND 20707  
 TELEPHONE: (301) 497-6292

**CITIZENS NATIONAL BANK**  
**PARCEL 'B' HOLWECK SUBDIVISION**  
**STORM DRAIN PROFILES AND**  
**SEWER SPECIFICATIONS & DETAILS**  
 TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS  
 3691 PARK AVENUE, SUITE 101  
 ELLICOTT CITY, MARYLAND 21043  
 TELEPHONE: (410) 461-6828  
 FAX: (410) 466-5968

**ENGINEER'S CERTIFICATE**  
 "I HEREBY 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
 SIGNATURE OF ENGINEER: [Signature] DATE: 11/17/94

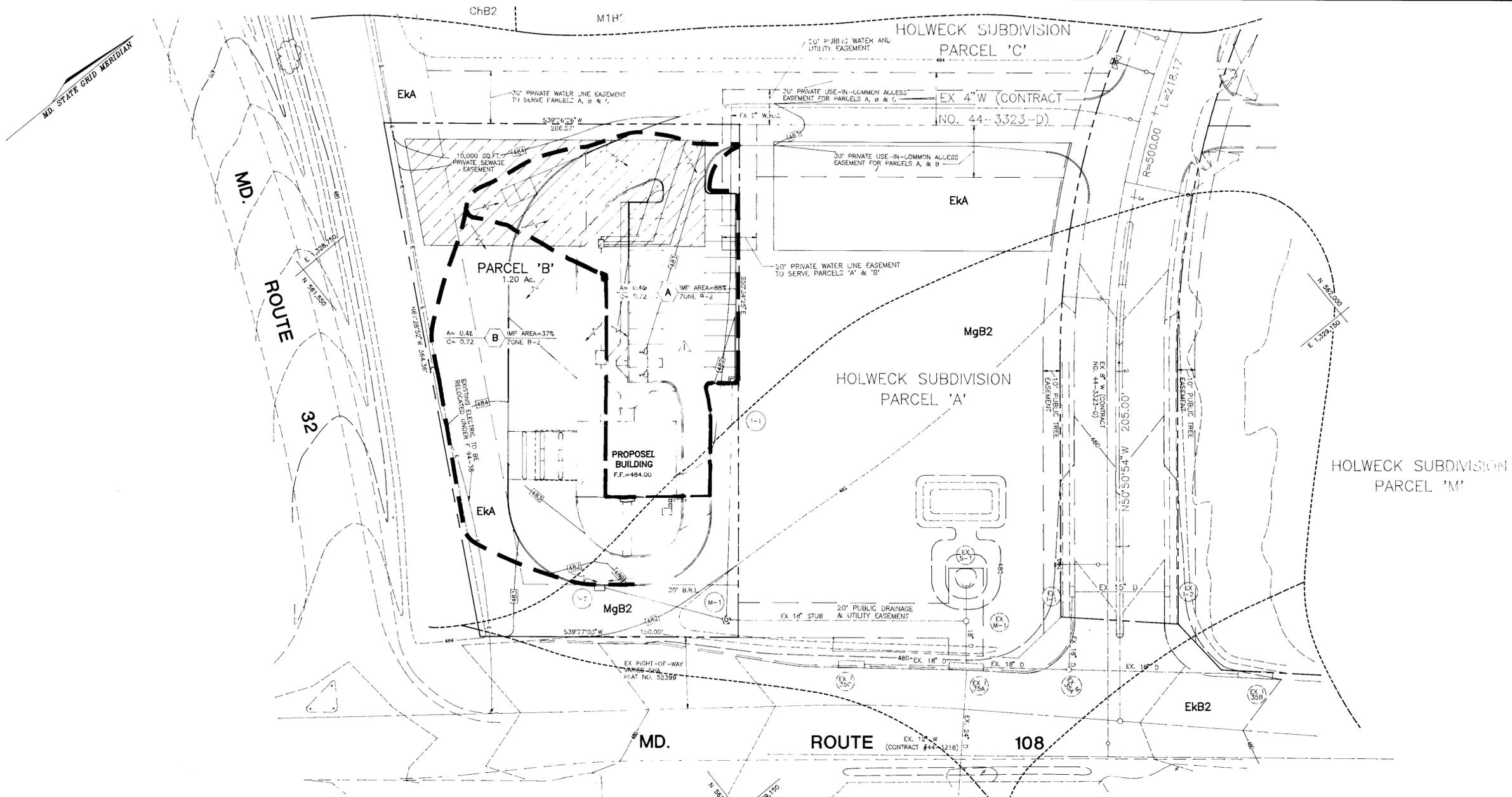
**DEVELOPER'S CERTIFICATE**  
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."  
 SIGNATURE OF DEVELOPER: [Signature] DATE: 11/17/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 SIGNATURE: [Signature] DATE: 11/20/94  
 U.S. SOIL CONSERVATION SERVICE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 DIRECTOR: [Signature] DATE: 12/5/94  
 CHIEF, LAND DEVELOPMENT AND RESEARCH: [Signature] DATE: 12/7/94

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: [Signature] DATE: 12/5/94

DESIGN BY: R.H.V.  
 DRAWN BY: D.G.H.  
 CHECKED BY: R.H.V.  
 DATE: SEPTEMBER, 1994  
 SCALE: 1"=30'  
 W.O. NO.:  
 SHEET 4 OF 6



| SOILS LEGEND |   |      |
|--------------|---|------|
| SYMBOL       | NAME / DESCRIPTION  | TYPE |
| MgB2         | MANOR GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED | B    |
| EKA          | EL/OAK SILT LOAM, 0 TO 3 PERCENT SLOPES                       | C    |
| MB2          | MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED          | B    |
| EKB2         | EL/OAK SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED    | C    |

NOTE:  
 - THIS SITE DOES NOT INCLUDE SOILS DESIGNATED AS HYDRIC OR SOILS WITH HYDRIC INCLUSIONS. SOILS ARE NOT CLASSIFIED AS HIGHLY ERODIBLE.  
 - HOWARD SOIL SURVEY, MAP NUMBER 23

| LEGEND    |                         |
|-----------|-------------------------|
| ---464--- | EXISTING CONTOUR        |
| ---484--- | PROPOSED CONTOUR        |
| ---       | DRAINAGE FLOW ARROW     |
| ---       | DRAINAGE AREA DIVIDE    |
| ---       | PRIVATE SEWAGE EASEMENT |
| ---       | SOIL TYPE DIVISION LINE |

OWNER/DEVELOPER  
 CITIZENS NATIONAL BANK  
 390 MAIN STREET  
 LAUREL, MARYLAND 20707  
 TELEPHONE: (301) 497-6292

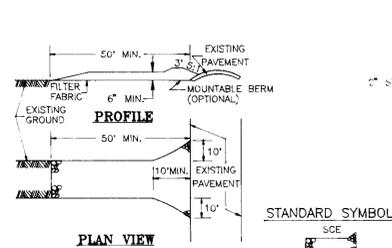
| NO. | REVISION      | DATE    |
|-----|---------------|---------|
| 1   | REVISE LAYOUT | 1/29/94 |

**CITIZENS NATIONAL BANK**  
**PARCEL 'B' HOLWECK SUBDIVISION**  
**DRAINAGE AREA MAP**  
**AND SOILS MAP**  
 TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS  
 3891 PARK AVENUE, SUITE 101  
 BELLICOTT CITY, MARYLAND 21048  
 TELEPHONE: (410) 461-5828  
 FAX: (410) 466-9868

|               |                       |                 |
|---------------|-----------------------|-----------------|
|               | DESIGN BY: R.H.V.     | 5 SHEET<br>OF 6 |
|               | DRAWN BY: D.G.H.      |                 |
|               | CHECKED BY: R.H.V.    |                 |
|               | DATE: SEPTEMBER, 1994 |                 |
| SCALE: 1"=30' |                       |                 |
| W.O. NO.:     |                       |                 |

|  |  |  |
|--|--|--|
| REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.<br><i>Patricia Epler</i> 11/22/94<br>U. S. SOIL CONSERVATION SERVICE DATE                               | APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING<br><i>Mark J. D'Angelo</i> 12/9/94<br>DIRECTOR DATE<br><i>Anna Surinam</i> 12/1/94<br>CHIEF, LAND DEVELOPMENT AND RESEARCH DATE                      | APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS<br>HOWARD COUNTY HEALTH DEPARTMENT<br><i>Joyce M. Boudreau</i> 12/5/94<br>COUNTY HEALTH OFFICER DATE   |
| THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT<br><i>John K. Blanton</i> 11/27/94<br>HOWARD SOIL CONSERVATION DISTRICT DATE | APPROVED: FOR STORM DRAINAGE AND PUBLIC ROADS<br>HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS<br><i>Clifford M. ...</i> 11/2/94<br>DIRECTOR DATE<br><i>C. S. ...</i> 11/29/94<br>CHIEF, BUREAU OF ENGINEERING DATE | SUBDIVISION NAME: HOLWECK SUBDIVISION<br>SECTION/AREA: N/A<br>PARCEL NUMBER: PARCEL 'B'<br>PLAT NO.: 11180<br>BLOCK NO.: 6<br>ZONE: B-2<br>TAX/ZONE: 34<br>ELECT. DIST.: 5th<br>CENSUS TR.: 6051<br>WATER CODE: J07<br>SEWER CODE: PRIVATE |

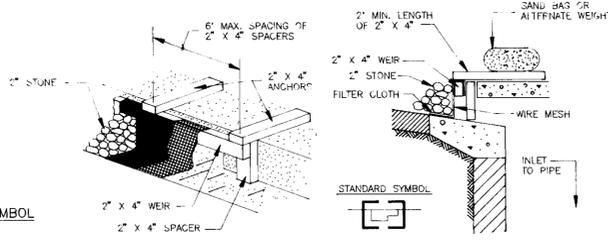


**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENT LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINT WHERE INGRESS AND EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- 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 CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHT-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.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

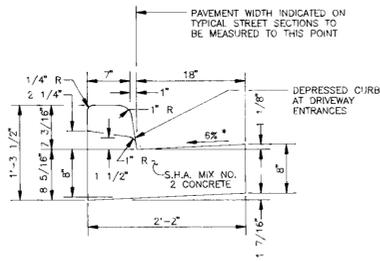
**STABILIZED CONSTRUCTION ENTRANCE**

N.T.S



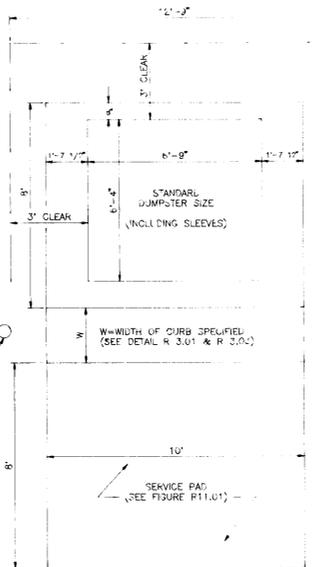
**CURB INLET PROTECTION DETAIL**

NOT TO SCALE



**STANDARD COMBINATION CURB AND GUTTER**

HOWARD COUNTY STANDARD R-3.01  
NOT TO SCALE



**SOLID WASTE OPTIONAL CONTAINER ENCLOSURE**

HOWARD COUNTY STD. R 11.02  
NOT TO SCALE

**TEMPORARY SEEDING**

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

**Seeded 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 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 unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gal. 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.

**PERMANENT SEEDING NOTES**

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

**Seeded Preparation:** Loosen upper 3 inches of soil by raking, disking, or other acceptable means before seeding, if not previously loosened.

**Soil Amendments:** 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. Harrow or disc into upper 3 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. 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 60lbs. 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. of 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 of well-anchored straw mulch, and seed as soon as possible in the spring. Option 2 - Use sod. Option 3 - Seed with 60 lbs. per acre Kentucky 31 Tall Fescue, and mulch with 2 tons per acre well anchored straw.

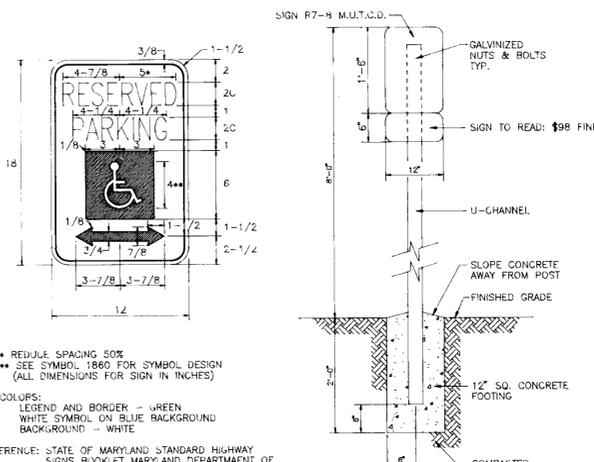
**Mulching:** Apply 1 1/2 to 2 tons per acre (70-90 lbs./1000 sq. ft.) of un-rotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal./1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal./1000 sq. ft.) for anchoring.

**Maintenance:** Inspect all seeded areas, and make needed repairs, reseedings, and reseedings.

**SEDIMENT CONTROL NOTES**

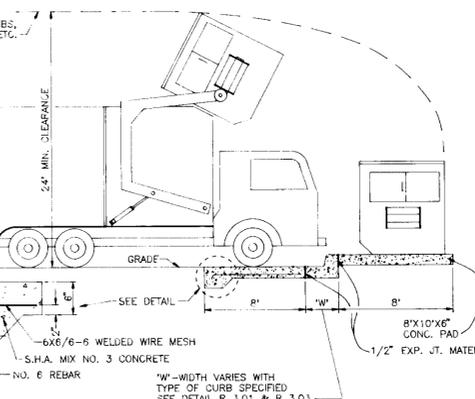
- All Grading Permits shall be obtained prior to the starting of any Grading work.
- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction (992-2477).
- All vegetation and structural practices are to be installed according 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, Storm Drainage, of the Howard County Design Manual.
- 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 (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 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 R/W and easements | 1.20 acres  |
| Area disturbed                       | 1.41 acres  |
| Area to be roofed or paved           | 0.64 acres  |
| Area to be vegetatively stabilized   | 0.77 acres  |
| Total cut                            | 1400 cu. yds.   |
| Total fill                           | 1400 cu. yds.   |
| Offsite waste/borrow area location   | To be determined by contractor, with pre-approval of the Sediment Control Inspector |
- 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 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.
- See Sheet No. 5 for additional Sediment and Erosion Control Notes and Details.



**HANDICAP SIGN**

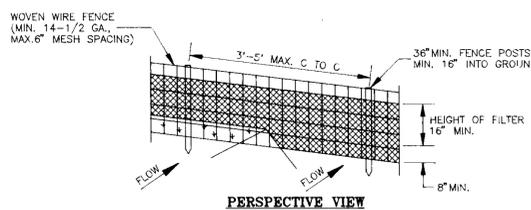
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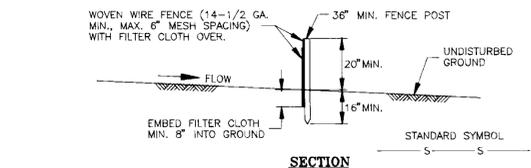
**SOLID WASTE SERVICE PAD**

HOWARD COUNTY STD. R 11.01  
NOT TO SCALE

OWNER/DEVELOPER  
CITIZENS NATIONAL BANK  
390 MAIN STREET  
LAUREL, MARYLAND 20707  
TELEPHONE: (301) 497-6292



**PERSPECTIVE VIEW**



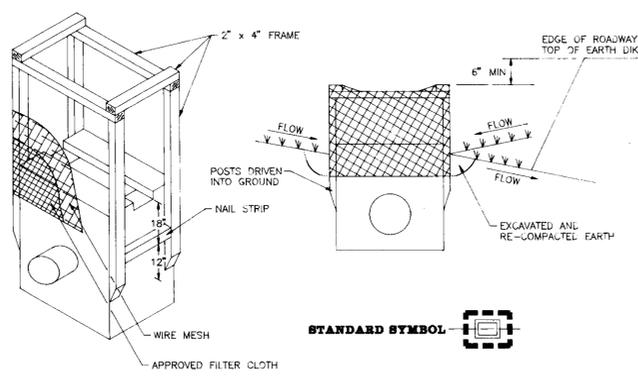
**SECTION**

**CONSTRUCTION NOTES FOR SILT FENCE**

- WOVEN 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\"/>

**SILT FENCE**

N.T.S



**SWALE INLET PROTECTION DETAIL**

NOT TO SCALE

**ENGINEERS CERTIFICATE**

"I HEREBY 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"

*Robert H. Ouel*  
SIGNATURE OF ENGINEER

11/17/94  
DATE

**DEVELOPER'S CERTIFICATE**

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."

*Charles W. ...*  
SIGNATURE OF DEVELOPER

DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Patricia ...*  
U. S. SOIL CONSERVATION SERVICE DATE

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

*John L. Roberts*  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Maake S. ...*  
DIRECTOR DATE

*Olga ...*  
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*John ...*  
DIRECTOR DATE

*C.S. ...*  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

*Joyce M. ...*  
COUNTY HEALTH OFFICER DATE

|                     |              |               |
|---------------------|--------------|---------------|
| SUBDIVISION NAME    | SECTION/AREA | PARCEL NUMBER |
| HOLWECK SUBDIVISION | N/A          | PARCEL 'B'    |
| PLAT NO.            | BLOCK NO.    | ZONE          |
| 11180               | 6            | B-2           |
| TAX/ZONE            | ELECT. DIST. | CENSUS TR.    |
| 34                  | 5th          | 6051          |
| WATER CODE          | SEWER CODE   |               |
| J07                 | PRIVATE      |               |

**CITIZENS NATIONAL BANK**  
PARCEL 'B' HOLWECK SUBDIVISION  
DETAILS AND NOTES

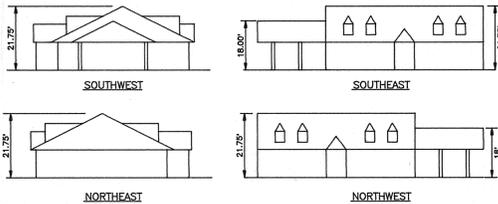
TAX MAP #34 REFERENCE F 94-38, SP 93-14 FARCLER 'B'  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101  
ELLCOTT CITY, MARYLAND 21043

TELEPHONE: (410) 481-5828  
FAX: (410) 485-3988

DESIGN BY: R.H.V.  
DRAWN BY: D.G.H.  
CHECKED BY: R.H.V.  
DATE: SEPTEMBER, 1994  
SCALE: 1"=30'  
W.O. NO.:  
6 SHEET OF 6



**BUILDING ELEVATIONS**  
NOT TO SCALE

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- THE CONTRACTOR IS TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK ON THESE DRAWINGS:  
 MISS UTILITY: 1-800-257-7777  
 C & P TELEPHONE COMPANY: 725-9976  
 HOWARD COUNTY BUREAU OF UTILITIES: 313-2366  
 AT&T CABLE LOCATION DIVISION: 393-3553  
 B.G.&E. CO. CONTRACTOR SERVICES: 850-4620  
 B.G.&E. CO. UNDERGROUND DAMAGE CONTROL: 787-8088  
 STATE HIGHWAY ADMINISTRATION: 531-5533
- SITE ANALYSIS:**  
 AREA OF PARCEL = 1.20 AC  
 PRESENT ZONING: B-2  
 USE OF STRUCTURE: BANK  
 PROPOSED BUILDING AREA: 2,500 SQ.FT.  
 MAXIMUM NUMBER OF EMPLOYEES: 5  
 BUILDING COVERAGE ON SITE: 0.08 AC OR 5% OF GROSS AREA  
 PAVED PARKING LOT/AREA ON SITE: 0.49 AC OR 41% OF GROSS AREA  
 AREA OF LANDSCAPE ISLAND: 0.08 AC = 3,300 SQ.FT.
- PROJECT BACKGROUND:**  
 LOCATION: CLARKSVILLE, MARYLAND TAX MAP: 34 PARCELS: 256, 365 AND 195  
 ZONING: B-2  
 SECTION/AREA: N/A  
 SITE AREA: 1.20 AC  
 DPZ REFERENCES: SP-93-14 APPROVED 9/20/93  
 F-94-38 APPROVED 1/13/94  
 NP-93-90 APPROVED 7/16/93
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
- ANY DAMAGE TO PUBLIC RIGHT-OF-WAYS, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- EXISTING UTILITIES LOCATED FROM ROAD CONSTRUCTION PLANS, FIELD SURVEYS AND AVAILABLE RECORD DRAWINGS. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- ALL REINFORCED CONCRETE FOR STORM DRAIN STRUCTURES SHALL HAVE A MINIMUM OF 28 DAYS STRENGTH OF 3,500 P.S.I.
- 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.
- ESTIMATES OF EARTHWORK QUANTITIES ARE PROVIDED SOLELY FOR THE PURPOSE OF CALCULATING FES.
- SOIL COMPACTION SPECIFICATIONS, REQUIREMENTS, METHODS AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEERS WHICH MEET OR EXCEED APPLICABLE AGENCY STANDARDS, REFERENCED IN GENERAL NOTE 1.
- ALL STORM DRAIN PIPE BEDDING SHALL BE CLASS 'C' AS SHOWN IN FIG. 11-4 VOLUME 1 OF HOWARD COUNTY DESIGN MANUAL.
- STORMWATER MANAGEMENT PROVIDED UNDER F-94-38.
- THERE IS NO FLOODPLAIN ON THIS SITE.
- COORDINATES AND ELEVATIONS ARE BASED ON HOWARD COUNTY MONUMENTS 0013 AND 34C2 (NAD 83)
- THERE ARE NO WETLANDS ON THIS SITE.
- A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
- EXISTING TOPOGRAPHY IS FROM HOLWECK SUBDIVISION ROAD CONSTRUCTION PLANS, PROPOSED GRADING F 94-38.
- WATER FOR THIS PROJECT IS PUBLIC UNDER CONTRACT NUMBER 44-3323-D.
- SEWER FOR THIS PROJECT IS PRIVATE.
- ALL PAVING TO BE A MINIMUM OF HOWARD COUNTY STANDARD P-2 UNLESS OTHERWISE DETERMINED BY THE GEOTECHNICAL ENGINEER (SEE P-2 DETAIL SHEET 6)
- ALL CURB AND GUTTER TO BE HOWARD COUNTY STANDARD CONCRETE OR HOWARD COUNTY STANDARD BITUMINOUS WHERE SPECIFIED (SEE DETAIL SHEET 6) EXCEPT AS NOTED ON PLAN.
- PROPOSED ELEVATIONS SHOWN HEREIN TO BE STRICTLY ENFORCED DURING GRADING AND SITE DEVELOPMENT. DISTURBANCE TO GROUND BELOW PROPOSED ELEVATIONS WILL RESULT IN LOSS OF PRIVATE SEWAGE EASEMENT.
- APPROVAL OF COMMERCIAL SITE DEVELOPMENT PLAN SUBJECT TO COMPLIANCE TO INDUSTRIAL DISCHARGE PERMIT REQUIREMENTS AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE LOTS HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT 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.
- THE SEPTIC SYSTEM MAY NOT BE PUT INTO SERVICE UNTIL THE EXISTING WELL ON PARCEL 'A' HAS BEEN ABANDONED.
- USE-IN-COMMON ACCESS EASEMENT SERVING LOTS A, B AND C RECORDING REFERENCE: L3364 F.648

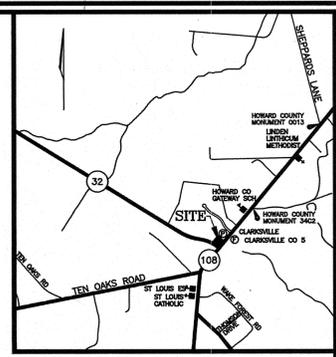
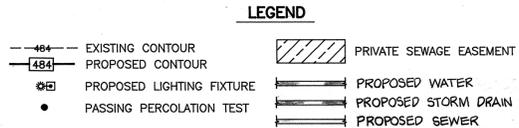
**PARKING TABULATION**

|   | PROVIDED  | REQUIRED  |
|---|-----------|-----------|
| 2,500 SQ.FT. BUILDING AREA: 5 SPACE/1000 SQ.FT. | 21 SPACES | 13 SPACES |
| HANDICAP SPACES                                 | 2 SPACES  | 2 SPACES  |
| TOTAL SPACES                                    | 23 SPACES | 15 SPACES |

**ADDRESS CHART**

| PARCEL | STREET ADDRESS   |
|--------|------------------|
| 'B'    | 12410 AUTO DRIVE |

NOTE: ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE INDICATED.



VICINITY MAP  
SCALE: 1"=2000'

**SHT. NO. DESCRIPTION**

|   |  |
|---|--|
| 1 | SITE DEVELOPMENT PLAN                      |
| 2 | GRADING, SEDIMENT AND EROSION CONTROL PLAN |
| 3 | LANDSCAPE PLAN                             |
| 4 | STORM DRAIN PROFILES & SEWER DETAILS       |
| 5 | DRAINAGE AREA MAP & SOILS MAP              |
| 6 | DETAILS AND NOTES                          |

OWNER/DEVELOPER  
CITIZENS NATIONAL BANK  
390 MAIN STREET  
LAUREL, MARYLAND 20707  
TELEPHONE: (301) 497-6292

| NO. | REVISION      | DATE    |
|-----|---------------|---------|
| 1   | REVISE LAYOUT | 1/23/94 |

**CITIZENS NATIONAL BANK**  
PARCEL 'B' HOLWECK SUBDIVISION  
SITE DEVELOPMENT PLAN

TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
ENGINEERS - SURVEYORS - PLANNERS

3681 PARK AVENUE, SUITE 101  
BELLICOTT CITY, MARYLAND 21048

TELEPHONE: (410) 461-5828  
FAX: (410) 465-3964

DESIGN BY: R.H.V.  
DRAWN BY: D.G.H.  
CHECKED BY: R.H.V.  
DATE: SEPTEMBER, 1994  
SCALE: 1"=30'  
W.O. NO.: 1

1 SHEET OF 6

**ENGINEERS CERTIFICATE**

"I HEREBY 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"

*Robert H. Vogel* 11/7/94  
SIGNATURE OF ENGINEER DATE

**DEVELOPER'S CERTIFICATE**

"I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."

*Charles W. Kishner* Nov 17, 1994  
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Patricia Engh* 11/23/94  
U. S. SOIL CONSERVATION SERVICE DATE

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

*John R. Peterson* 11/23/94  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Mark J. Drayton* 12/5/94  
DIRECTOR DATE

*Anna Jurimany* 12/7/94  
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR STORM DRAINAGE AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*Oliver M. Jones* 11/30/94  
DIRECTOR DATE

*C.E. P. Stegert* 11/29/94  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWAGE SYSTEMS

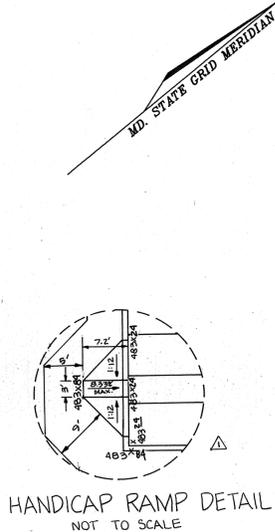
HOWARD COUNTY HEALTH DEPARTMENT

*Joyce M. Boyd* 12/5/94  
COUNTY HEALTH OFFICER DATE

| SUBDIVISION NAME    | SECTION/AREA | PARCEL NUMBER |
|---------------------|--------------|---------------|
| HOLWECK SUBDIVISION | N/A          | PARCEL 'B'    |

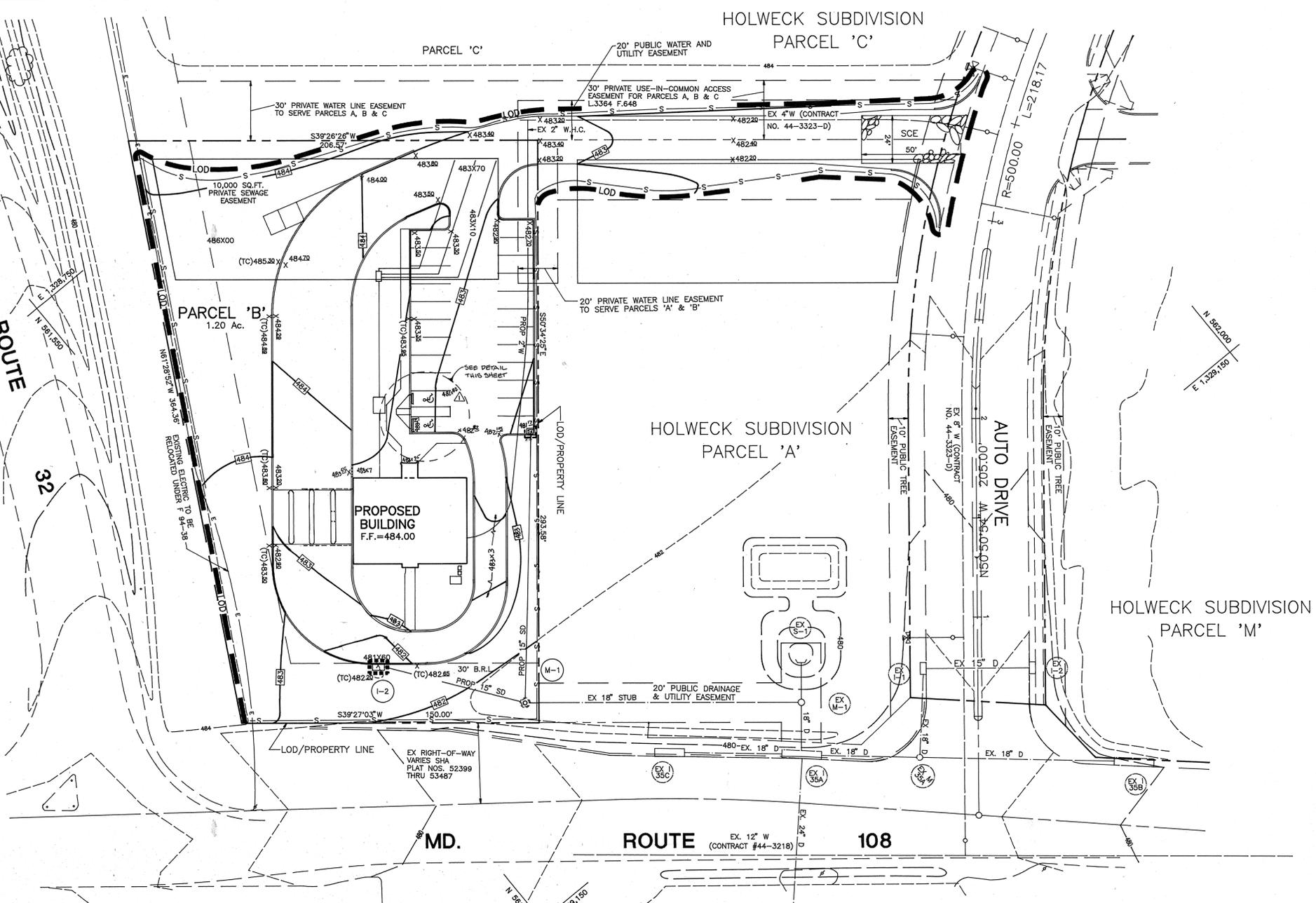
| PLAT NO. | BLOCK NO. | ZONE | TAX/ZONE | ELECT. DIST. | CENSUS TR. |
|----------|-----------|------|----------|--------------|------------|
| 11180    | 6         | B-2  | 34       | 5th          | 6051       |

WATER CODE: 707 PRIVATE  
SEWER CODE: PRIVATE

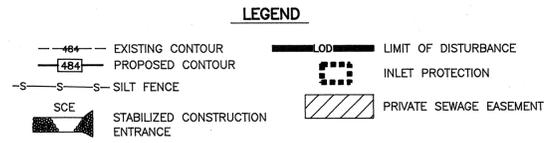


**SEQUENCE OF CONSTRUCTION**

1. OBTAIN GRADING PERMIT. 1 DAY
2. NOTIFY HOWARD COUNTY BUREAU OF INSPECTIONS AND PERMITS (313-1880) AT LEAST 24 HOURS BEFORE STARTING ANY WORK. 1 DAY
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. 1 DAY
4. INSTALL PERIMETER SEDIMENT CONTROL MEASURES. 1 DAY
5. PERFORM ROUGH SITE GRADING. 1 DAY
6. BEGIN CONSTRUCTION OF BANK BUILDING. 8 WEEKS
7. INSTALL SEWAGE DISPOSAL SYSTEM AND PUBLIC WATER LINE. 1 WEEK
8. CONSTRUCT STORM DRAINAGE SYSTEM AND INSTALL INLET PROTECTION. 1 WEEK
9. CONSTRUCT PARKING LOTS, DRIVEWAYS, AND SIDEWALKS. 2 WEEKS
10. INSTALL LANDSCAPING.
11. DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDED NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN HEREON.
12. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
  - A. 7 CALENDER DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES, DITCH PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
  - B. 14 CALENDER DAYS FOR ALL OTHER DISTURBED AREA.
13. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL STRUCTURES.



**NOTE:**  
 1. ALL ELEVATIONS ARE BOTTOM OF CURB UNLESS OTHERWISE NOTED.  
 2. ALL CONCRETE CURB AND GUTTER IS HOWARD COUNTY STANDARD DETAIL R 3.01 UNLESS OTHERWISE NOTED.  
 3. ALL DIMENSIONS TO FACE OF CURB UNLESS OTHERWISE NOTED.  
 4. PAVEMENT TO BE WARPED AS NECESSARY TO PROVIDE DRAINAGE TO INLET.  
 5. PROPOSED ELEVATIONS SHOWN HEREIN TO BE STRICTLY ENFORCED DURING GRADING AND SITE DEVELOPMENT. DISTURBANCE TO GROUND BELOW PROPOSED ELEVATIONS WILL RESULT IN LOSS OF PRIVATE SEWAGE EASEMENT.



OWNER/DEVELOPER  
 CITIZENS NATIONAL BANK  
 390 MAIN STREET  
 LAUREL, MARYLAND 20707  
 TELEPHONE: (301) 497-6292

| NO. | REVISION      | DATE    |
|-----|---------------|---------|
| 1   | REVISE LAYOUT | 1/29/94 |

**CITIZENS NATIONAL BANK**  
**PARCEL 'B' HOLWECK SUBDIVISION**  
**GRADING AND SEDIMENT AND EROSION CONTROL PLAN**  
 TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS  
 3691 PARK AVENUE, SUITE 101 TELLSVILLE, MARYLAND 21048  
 TELEPHONE: (410) 481-8828  
 FAX: (410) 485-3968

**ENGINEERS CERTIFICATE**  
 I HEREBY 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.  
 Signature: Paul H. O... DATE: 11/17/94

**DEVELOPER'S CERTIFICATE**  
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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.  
 Signature: Charles... DATE: 11/17/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 Signature: Patricia... DATE: 11/20/94  
 U. S. SOIL CONSERVATION SERVICE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 Signature: ... DATE: 12/3/94  
 DIRECTOR

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Signature: ... DATE: 11/29/94  
 CHIEF, BUREAU OF ENGINEERING

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 Signature: ... DATE: 12/5/94  
 COUNTY HEALTH OFFICER

| SUBDIVISION NAME    | SECTION/AREA | PARCEL NUMBER |
|---------------------|--------------|---------------|
| HOLWECK SUBDIVISION | N/A          | PARCEL 'B'    |

| PLAT NO. | BLOCK NO. | ZONE | TAX/ZONE | ELECT. DIST. | CENSUS TR. |
|----------|-----------|------|----------|--------------|------------|
| 11180    | 6         | B-2  | 34       | 5th          | 6051       |

WATER CODE: J07 PRIVATE  
 SEWER CODE: PRIVATE

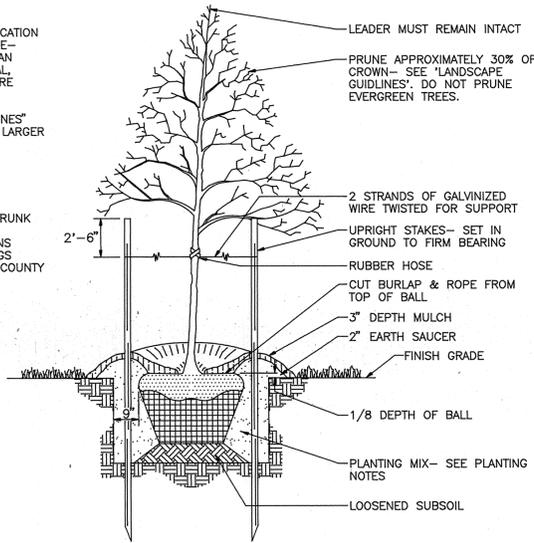
DESIGN BY: R.H.V.  
 DRAWN BY: D.G.H.  
 CHECKED BY: R.H.V.  
 DATE: SEPTEMBER, 1994  
 SCALE: 1"=30'  
 W.O. NO.:  
 2 SHEET OF 6

**PLANTING NOTES**

- PLANTS, RELATED MATERIALS, AND OPERATIONS SHALL MEET THE DETAILED DESCRIPTION AS GIVEN ON THE PLANS AND AS DESCRIBED HEREIN.
- ALL PLANT MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE NURSERY GROWN, UNIFORMLY BRANCHED AND HAVE A VIGOROUS ROOT SYSTEM. PLANT MATERIAL SHALL BE HEALTHY, VIGOROUS PLANTS FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUNSCALD INJURIES, ABRASIONS OF THE BARK, PLANT DISEASE, INSECT PEST EGGS, BOXERS AND ALL FORMS OF INFESTATION OR OBSCURABLE DISFIGUREMENTS. PLANT MATERIAL THAT IS WEAK OR WHICH HAS BEEN CUT BACK FROM LARGER GRADES TO MEET SPECIFIED REQUIREMENTS WILL BE REJECTED. TREES WITH FORKED LEADERS WILL NOT BE ACCEPTED. ALL PLANTS SHALL BE FREELY DUG; NO HEELED-IN PLANTS OR PLANTS FROM COLD STORAGE WILL BE ACCEPTED.
- UNLESS OTHERWISE SPECIFIED, ALL PLANT MATERIAL SHALL CONFORM TO "AMERICAN STANDARD FOR NURSERY STOCK" ANSI Z60.1-1986, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSYMEN, INCLUDING ALL ADDENDA.
- UNLESS OTHERWISE SPECIFIED, ALL GENERAL CONDITIONS, PLANTING OPERATIONS, DETAILS AND PLANTING SPECIFICATIONS SHALL CONFORM TO "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" (HEREIN-AFTER "LANDSCAPE GUIDELINES") APPROVED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON AND THE POTOMAC CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS, SEPTEMBER, 1981, INCLUDING ALL ADDENDA.
- CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THE LANDSCAPE GUIDELINES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES, UTILITY CONTRACTORS AND MISS UTILITY. A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY WORK, CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND LOCATION OF PLANT MATERIALS TO AVOID CONFLICTS WITH UTILITIES.
- PLANTING BED SHALL BE MULCHED WITH 3" OF SHREDDED HARDWOOD BARK MULCH. GROUND COVER BEDS SHALL BE MULCHED TO A DEPTH OF 2".
- ALL AREAS WITHIN THE CONTRACT LIMIT NOT COVERED BY BUILDING, PAVING, PLANTING BEDS OR OTHERWISE DESIGNATED ON THE PLANS SHALL BE SEEDED AND MULCHED OR SODDED IN ACCORDANCE WITH 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PERMANENT SEEDING SPECIFICATIONS (SEE SHEET 6), INCLUDING ALL ADDENDA, AS DIRECTED BY THE OWNER.
- CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL MATERIALS IN THE PROPER PLANTING SEASON FOR EACH PLANT TYPE.
- PLANTING MIX SHALL BE DONE AS FOLLOWS:  
DECIDUOUS PLANTS - TWO PARTS TOP SOIL, ONE PART WELL-ROTTED COW OR HORSE MANURE, ADD 3 LBS. OF STANDARD 10-10-10 FERTILIZER PER CUBIC YARD OF PLANTING MIX.  
EVERGREEN PLANTS - TWO PARTS TOPSOIL, ONE PART HUMUS OR OTHER APPROVED ORGANIC MATERIAL, ADD 3 LBS. OF EVERGREEN (ACIDIC) FERTILIZER PER CUBIC YARD OF PLANTING MIX.  
TOPSOIL SHALL CONFORM TO LANDSCAPE GUIDELINES.
- THIS PLAN IS INTENDED FOR LANDSCAPE PLAN ONLY. SEE OTHER PLAN SHEETS FOR INFORMATION ON GRADING, SEDIMENT CONTROL, LAYOUT, ETC.
- CONTRACTOR TO ADJUST PLANTINGS AS REQUIRED WITH PRIOR APPROVAL OF THE ENGINEER OR LANDSCAPE ARCHITECT.

**NOTES**

- SEE "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" FOR ALL MATERIAL, PRODUCT, AND PROCEDURE SPECIFICATIONS.
- SEE "LANDSCAPE GUIDELINES" FOR SUPPORTING TREES LARGER THAN 2-1/2" CALIPER.
- PLACE UPRIGHT STAKES PARALLEL TO WALKS & BUILDINGS.
- KEEP MULCH 1" FROM TRUNK
- SEE ARCHITECTURAL PLANS FOR ADDITIONAL PLANTINGS WHICH EXCEED HOWARD COUNTY MINIMUM REQUIREMENTS.
- TREES ARE NOT TO BE PLANTED OVER PRIVATE SEWAGE EASEMENT.



**TREE PLANTING AND STAKING**

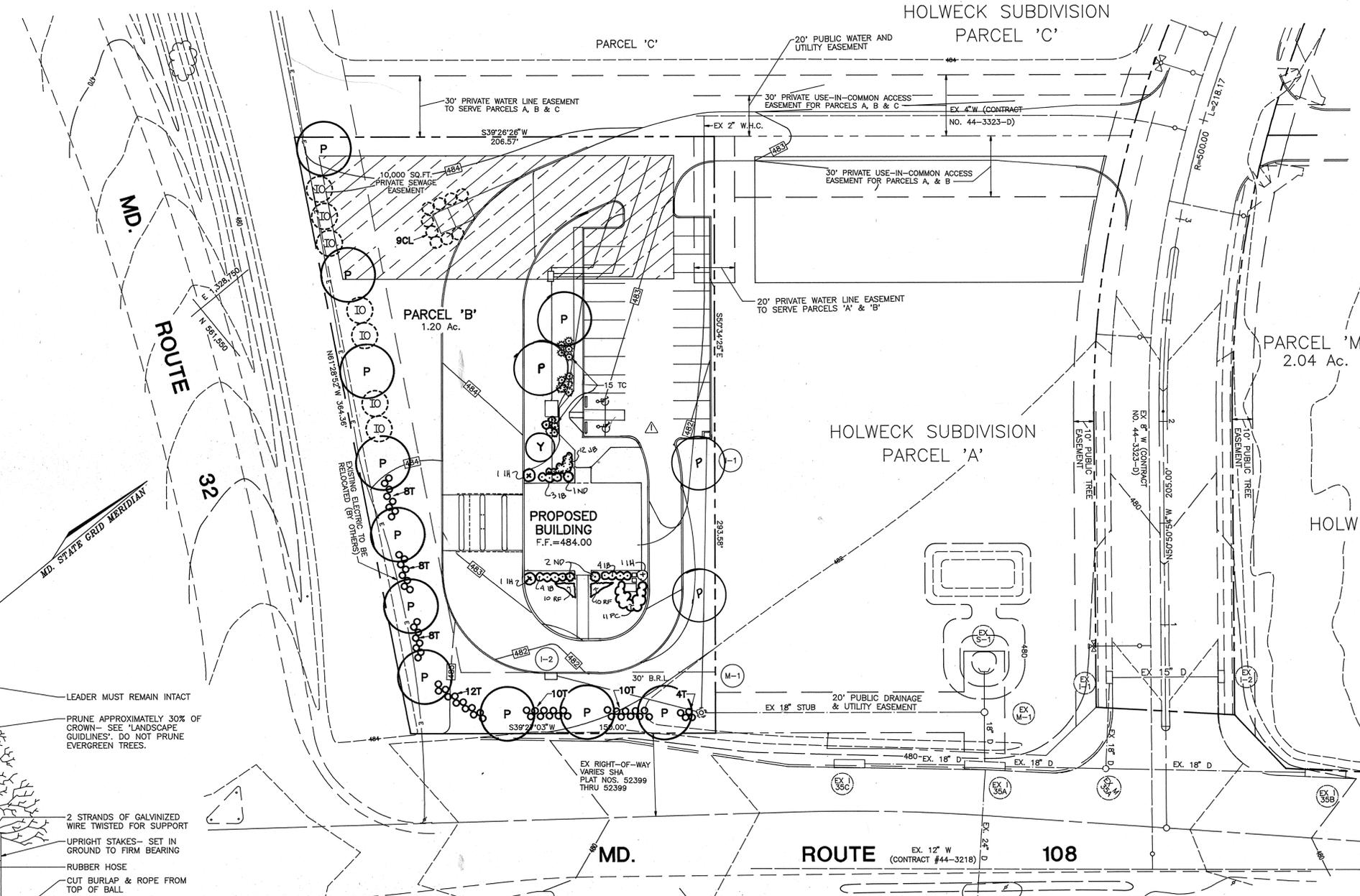
DECIDUOUS AND EVERGREEN TREES UP TO 2-1/2" CALIPER NOT TO SCALE

**NOTE:**

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$2,500.00 (\$100 PER TREE)
- THE CONTRACTOR IS TO EXERCISE CAUTION WHEN INSTALLING LANDSCAPING IN CLOSE PROXIMITY TO SITE UTILITIES.

NOTE: THIS PLAN IS INTENDED FOR LANDSCAPE PURPOSES ONLY.

**HOLWECK SUBDIVISION**



**LANDSCAPE SCHEDULE**

| KEY | QTY | BOTANICAL NAME  | SIZE             | CONT |
|-----|-----|---|------------------|------|
| Y   | 1   | PRUNUS YEDOENSIS / YOSHINO CHERRY                           | 1-1/2" - 2" CAL  | B&B  |
| ND  | 3   | NANDINA DOMESTICA "GULFSTREAM" / GULFSTREAM HEAVENLY BAMBOO | 2'-2-1/2' HT     | CONT |
| P   | 15  | QUERCUS PALUSTRIS / PIN OAK                                 | 2'-1/2" - 3" CAL | B&B  |
| PL  | 11  | PRUNUS LAR "OTTO LUYKENS" / OTTO LUYKENS LAUREL             | 18" - 24" HT     | B&B  |
| T   | 75  | TAXUS CUSPIDATA "NANA" DWARF JAPANESE YEW                   | 2'-2-1/2'        | B&B  |
| JB  | 12  | JUNIPER "BLUECHIP" / BLUECHIP JUNIPER                       | 18" - 24" SP     | CONT |
| RF  | 20  | RUBUS ILEX "NELLIE STEVENS" / NELLIE STEVENS HOLLY          | 1 GAL            | B&B  |
| IN  | 3   | ILEX "NELLIE STEVENS" / NELLIE STEVENS HOLLY                | 5'-6" HT         | CONT |
| IB  | 8   | ILEX "BURNFORD" / DWARF BURFORD HOLLY                       | 2'-2-1/2' HT     | CONT |
| IO  | 7   | ILEX OPACA / AMERICAN HOLLY                                 | 5'-6" HT         | CONT |
| CL  | 9   | CUPRESSOCYPRIS LEYLAND / LEYLAND CYPRESS                    | 5'-6" HT         | CONT |

**SCHEDULE B  
PARKING LOT INTERNAL LANDSCAPING**

| NUMBER OF PARKING SPACES           | 32                         |
|------------------------------------|----------------------------|
| NUMBER OF TREES + ISLANDS REQUIRED | 1/20 SPACES=2 (400 SQ.FT.) |
| NUMBER OF TREES PROVIDED           | 4                          |
| SHADE TREES (2:1 SUBSTITUTION)     | 1                          |
| SHRUBS                             | 0                          |

COMMENTS: UTILIZING ISLAND BETWEEN PARKING AND DRIVE THROUGH LANES AS INTERNAL ISLAND (3,300 SQ.FT.)

**SCHEDULE A  
PERIMETER LANDSCAPE EDGE**

| CATEGORY   | ADJACENT TO ROADWAYS | ADJACENT TO PERIMETER PROPERTIES |
|--|----------------------|----------------------------------|
| LANDSCAPE TYPE *   | B                    | N/A                              |
| LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER  | 514'                 | N/A                              |
| CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED) | NO                   | N/A                              |
| CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED) | NO                   | N/A                              |
| NUMBER OF PLANTS REQUIRED  | 10                   | N/A                              |
| SHADE TREES 1:50   | 13                   | N/A                              |
| EVERGREEN TREES 1:40   | 0                    | N/A                              |
| SHRUBS   | 0                    | N/A                              |
| NUMBER OF PLANTS PROVIDED  | 9                    | N/A                              |
| SHADE TREES  | 7                    | N/A                              |
| EVERGREEN TREES  | 0                    | N/A                              |
| OTHER TREES (2:1 SUBSTITUTION)   | 0                    | N/A                              |
| SHRUBS (10:1 SUBSTITUTION)   | 60                   | N/A                              |
| (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)                            |                      |                                  |

\*NOTE: TYPE B SINCE DRIVE THROUGH LANES AND DRIVEWAYS ARE NOT CONSIDERED PARKING AND MUST ADHERE TO 30" B.R.L.

| NO. | REVISION      | DATE    |
|-----|---------------|---------|
| 1   | REVISE LAYOUT | 1/23/95 |
|     |               |         |
|     |               |         |

**CITIZENS NATIONAL BANK  
PARCEL 'B' HOLWECK SUBDIVISION  
LANDSCAPE PLAN**

TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
ENGINEERS - SURVEYORS - PLANNERS

8601 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21043 TELEPHONE: (410) 461-5828 FAX: (410) 465-3968

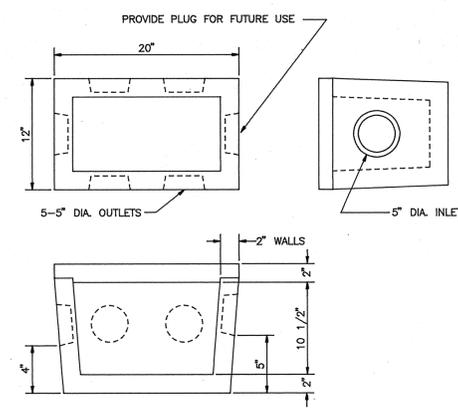
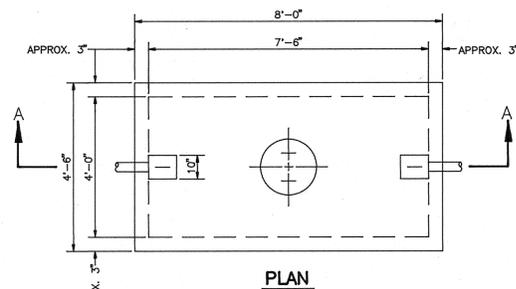
DESIGN BY: R.H.V.  
DRAWN BY: D.G.H.  
CHECKED BY: R.H.V.  
DATE: SEPTEMBER, 1994  
SCALE: 1"=30'  
W.O. NO.:  
**3** SHEET OF **6**

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
DIRECTOR *Parsha S. Wright* 12/5/94 DATE  
*China Suminay* 12/7/94 DATE  
CHIEF, LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR STORM DRAINAGE AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*Chad M. ...* 11/30/94 DATE  
CHIEF, BUREAU OF ENGINEERING

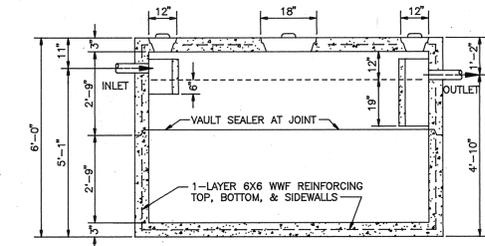
APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*James M. ...* 12/5/94 DATE  
COUNTY HEALTH OFFICER

|                     |              |               |
|---------------------|--------------|---------------|
| SUBDIVISION NAME    | SECTION/AREA | PARCEL NUMBER |
| HOLWECK SUBDIVISION | N/A          | PARCEL 'B'    |
| PLAT NO.            | BLOCK NO.    | ZONE          |
| 11180               | 6            | B-2           |
| TAX/ZONE            | ELECT. DIST. | CENSUS TR.    |
| 34                  | 5th          | 6051          |
| JOB                 | PRIVATE      | SEWER CODE    |
| 707                 |              |               |



NOTE:  
CONCRETE MINIMUM STRENGTH- 4,000 P.S.I. @ 28 DAYS  
STEEL REINFORCEMENT- ASTM A-615-75, GRADE 60, 1" MIN. COVER

**DISTRIBUTION BOX DETAIL**  
NOT TO SCALE



NOTE: THIS TANK IS NOT DESIGNED, MANUFACTURED, OR RECOMMENDED TO BE INSTALLED UNDER VEHICLE TRAFFIC AREA.

**1,000 GALLON SEPTIC TANK**  
NOT TO SCALE

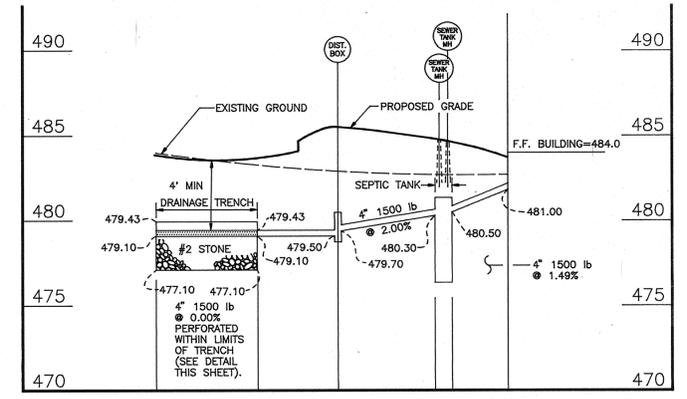
**SEPTIC SYSTEM DESIGN**

5 EMPLOYEES X 15 GPD= 175 GPD  
50 CUSTOMERS X 5 GPD= 250 GPD  
TOTAL GPD REQUIRED= 325 GPD

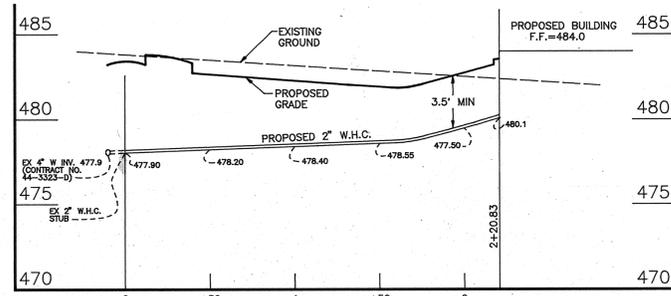
400 GPD MAXIMUM SEWAGE DESIGN FLOW ALLOCATION  
TRENCH LOADING RATES= 0.8 GAL/SF/DAY  
400/0.8=500

TRENCH CONFIGURATION= 2'(DEPTH)X3'(WIDTH) (12" O.C.)  
500/3=167 L.F. OF TRENCH (MINIMUM)  
TOTAL TRENCH PROVIDED: 185 L.F.

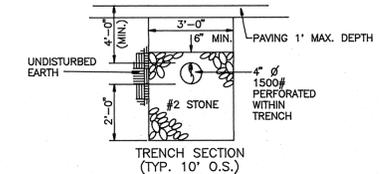
BUILDING FIRST FLOOR: 484.00  
INVERT OUT OF BUILDING: 481.00  
INVERT INTO SEPTIC TANK: 480.50  
PROPOSED GRADE AT SEPTIC TANK: 480.30  
INVERT INTO DISTRIBUTION BOX: 479.70  
INVERT INTO TRENCH AT DISTRIBUTION BOX: 479.10  
ORIGINAL GRADE AT DISTRIBUTION BOX: 482.30  
PROPOSED GRADE AT DISTRIBUTION BOX: 485.50



**TYPICAL SEPTIC SYSTEM PROFILE**  
SCALE: VERT. 1"=5', HORIZ. 1"=50'



**2" WATER HOUSE CONNECTION PROFILE**  
SCALE: VERT. 1"=5', HORIZ. 1"=50'



**TYPICAL SEPTIC SYSTEM TRENCH DETAIL**  
NOT TO SCALE

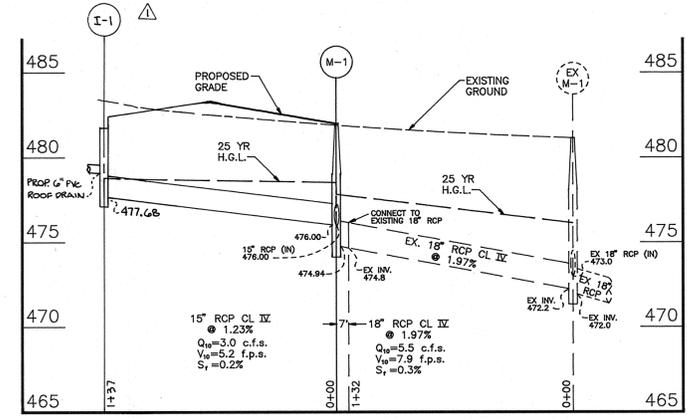
**TRENCH CONSTRUCTION NOTES**

- TRENCHES SHALL BE EXCAVATED USING A BACKHOE. FRONT-END LOADERS OR BULLDOZERS SHOULD NOT BE USED FOR TRENCH EXCAVATION.
- EXCAVATED MATERIALS FROM THE TRENCHES SHALL BE PLACED AT A SUFFICIENT DISTANCE DOWNSLOPE OF THE TRENCHES TO AVOID MIGRATION OF SOILS BACK INTO THE TRENCH.
- WORK SHALL BE SCHEDULED SUCH THAT THE TRENCHES CAN BE COVERED IN ONE DAY TO PREVENT WINDBLOWN OR WATERBORNE SEDIMENT FROM ENTERING THE TRENCH.
- THE FIELD ENGINEER SHALL VERIFY THE CONSTRUCTED ELEVATIONS OF THE TRENCHES TO ENSURE A MINIMUM 4 FOOT COVER IS PROVIDED. HEALTH DEPARTMENT TO BE NOTIFIED FOR INSPECTION PRIOR TO COVERING TRENCH.
- UPON COMPLETION OF THE TRENCH EXCAVATION AND PRIOR TO PLACEMENT OF PAVING, HEAVY CONSTRUCTION EQUIPMENT TRAFFIC SHALL BE DIVERTED FROM THE TRENCHES AND ADJACENT AREA.

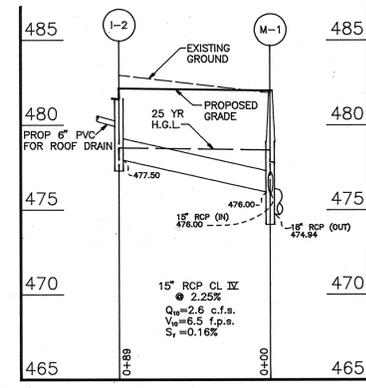
**STRUCTURE SCHEDULE**

| NO. | TYPE                       | TOP ELEVATION | ROADWAY SLOPE | CROSS SLOPE | LOCATION                    | INV IN | INV OUT | REMARKS                         |
|-----|----------------------------|---------------|---------------|-------------|-----------------------------|--------|---------|---------------------------------|
| I-1 | PRECAST SINGLE WR          | 481.70*       | SUMP          | 3.0%        | E STA. 7+78.29 28.63' RIGHT | -      | 477.00  | HOWARD COUNTY STD. DTL SD 4.37  |
| I-2 | PRECAST STD TYPE A-S INLET | 482.20*       | SUMP          | 2.0%        | E STA. 6+18.31 6.00' RIGHT  | -      | 478.00  | HOWARD COUNTY STD. DTL SD 4.40  |
| M-1 | 4'-0" STD PRECAST MANHOLE  | 482.00        | -             | -           | N 561,613.36 E 1,329,060.04 | 476.00 | 474.94  | HOWARD COUNTY STD. DTL SD G5.12 |

+ TOP OF GRADE.  
\* TOP OF INLET AT FACE OF CURB.



**STORM DRAIN PROFILE**  
SCALE: VERT. 1"=5', HORIZ. 1"=50'



**STORM DRAIN PROFILE**  
SCALE: VERT. 1"=5', HORIZ. 1"=50'

**ENGINEERS CERTIFICATE**

"I HEREBY 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT"

*Robert L. O'Connell* 11/17/94  
SIGNATURE OF ENGINEER DATE

**DEVELOPER'S CERTIFICATE**

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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."

*Charles G. Newman* 11/17/94  
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Patricia Egan* 11/23/94  
U. S. SOIL CONSERVATION SERVICE DATE

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

*Paul D. ...* 11/23/94  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*James J. ...* 12/5/94  
DIRECTOR DATE

*Jim ...* 12/1/94  
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR STORM DRAINAGE AND PUBLIC ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*...* 11/29/94  
DIRECTOR DATE

*...* 11/29/94  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

*James M. ...* 12/5/94  
COUNTY HEALTH OFFICER DATE

SUBDIVISION NAME: HOLWEEK SUBDIVISION  
SECTION/AREA: N/A  
PARCEL NUMBER: PARCEL 'B'

PLAT NO. 11180, BLOCK NO. 6, ZONE B-2, TAX/ZONE 34, ELECT. DIST. 5th, CENSUS TR. 6051

JOB: 707  
SEWER CODE: PRIVATE

| NO. | REVISION      | DATE    |
|-----|---------------|---------|
| 1   | REVISE LAYOUT | 1/23/95 |

**CITIZENS NATIONAL BANK**  
PARCEL 'B' HOLWEEK SUBDIVISION  
STORM DRAIN PROFILES AND SEWER SPECIFICATIONS & DETAILS

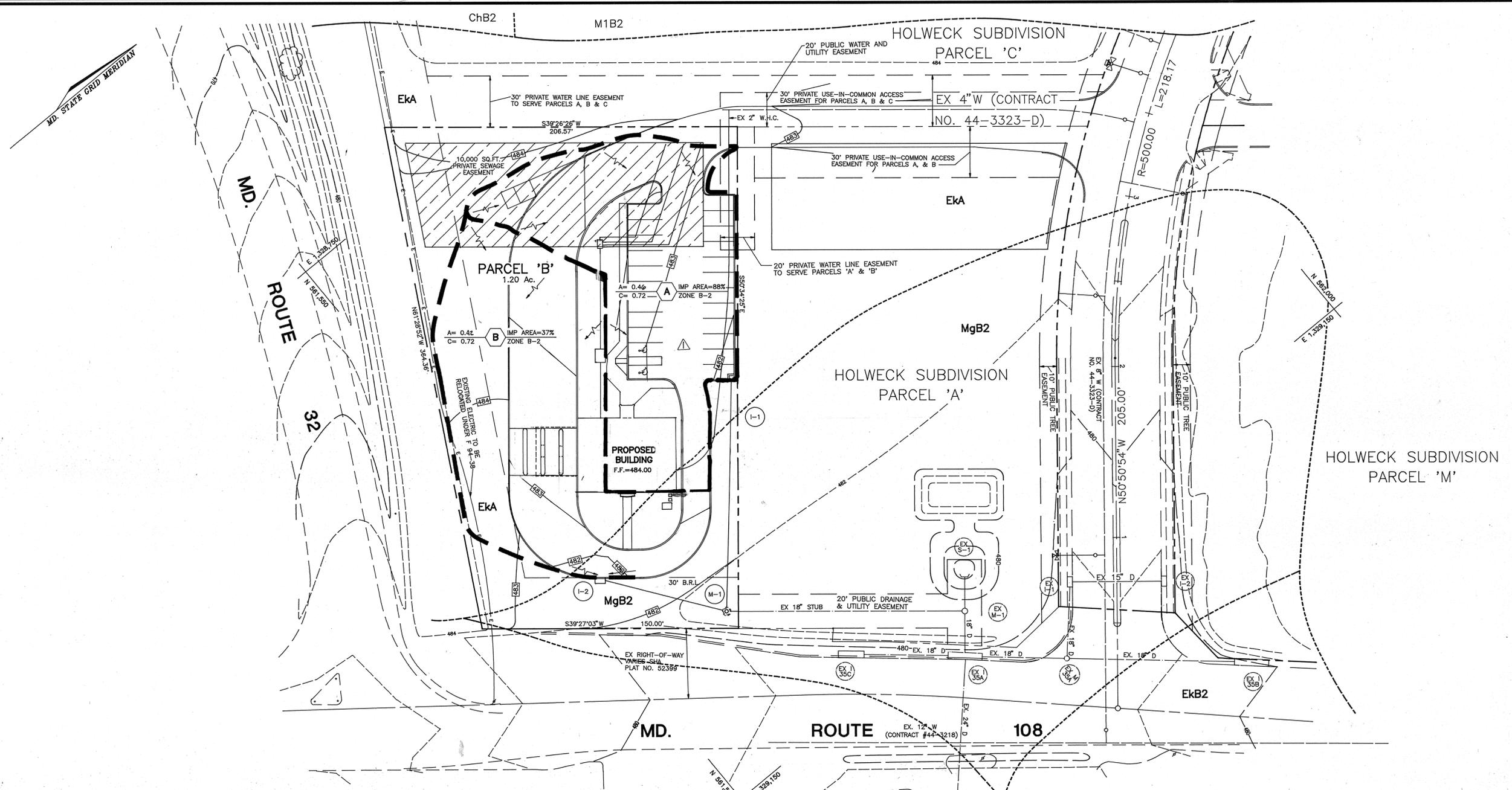
TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
ENGINEERS - SURVEYORS - PLANNERS

8691 PARK AVENUE, SUITE 101 TELICOTT CITY, MARYLAND 21048 TELEPHONE: (410) 481-5888 FAX: (410) 485-3968

DESIGN BY: R.H.V.  
DRAWN BY: D.G.H.  
CHECKED BY: R.H.V.  
DATE: SEPTEMBER, 1994  
SCALE: 1"=30'  
W.O. NO.:

4 SHEET OF 6



| SOILS LEGEND |   |      |
|--------------|---|------|
| SYMBOL       | NAME / DESCRIPTION  | TYPE |
| MgB2         | MANOR GRAVELLY LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED | B    |
| Eka          | ELIOAK SILT LOAM, 0 TO 3 PERCENT SLOPES                       | C    |
| MIB2         | MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED          | B    |
| EkB2         | ELIOAK SILT LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED    | C    |

NOTE:  
 -THIS SITE DOES NOT INCLUDE SOILS DESIGNATED AS HYDRIC OR SOILS WITH HYDRIC INCLUSIONS. SOILS ARE NOT CLASSIFIED AS HIGHLY ERODIBLE.  
 -HOWARD SOIL SURVEY, MAP NUMBER 23

OWNER/DEVELOPER  
 CITIZENS NATIONAL BANK  
 390 MAIN STREET  
 LAUREL, MARYLAND 20707  
 TELEPHONE: (301) 497-6292

| LEGEND |                         |
|--------|-------------------------|
| -484-  | EXISTING CONTOUR        |
| 484    | PROPOSED CONTOUR        |
| →      | DRAINAGE FLOW ARROW     |
| ▨      | PRIVATE SEWAGE EASEMENT |
| ---    | SOIL TYPE DIVISION LINE |
| ▬      | DRAINAGE AREA DIVIDE    |

| NO. | REVISION      | DATE    |
|-----|---------------|---------|
| 1   | REVISE LAYOUT | 1/25/95 |

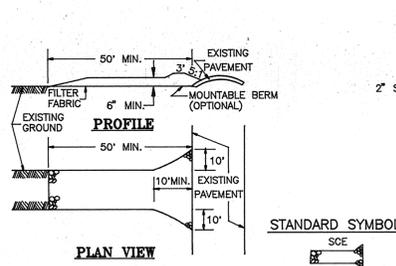
**CITIZENS NATIONAL BANK**  
**PARCEL 'B' HOLWECK SUBDIVISION**  
**DRAINAGE AREA MAP**  
**AND SOILS MAP**  
 TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
 ENGINEERS - SURVEYORS - PLANNERS

3691 PARK AVENUE, SUITE 101 TELLSVILLE, MARYLAND 21048  
 TELEPHONE: (410) 481-5828  
 FAX: (410) 485-3966

|                       |  |
|-----------------------|--|
| DESIGN BY: R.H.V.     |  |
| DRAWN BY: D.G.H.      |  |
| CHECKED BY: R.H.V.    |  |
| DATE: SEPTEMBER, 1994 |  |
| SCALE: 1"=30'         |  |
| W.O. NO.:             |  |

|  |  |  |
|--|--|--|
| REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.<br><i>Peterson Egle</i> 11/23/94<br>U. S. SOIL CONSERVATION SERVICE DATE  | APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING<br><i>Barbara S. Daugherty</i> 12/3/94<br>DIRECTOR DATE<br><i>Olivia Surinam</i> 12/7/94<br>CHIEF, LAND DEVELOPMENT AND RESEARCH DATE          | APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS<br>HOWARD COUNTY HEALTH DEPARTMENT<br><i>Joyce M. Boyd</i> 12/5/94<br>COUNTY HEALTH OFFICER DATE   |
| THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT<br>APPROVED:<br><i>John R. Blanton</i> 1/27/95<br>HOWARD SOIL CONSERVATION DISTRICT DATE | APPROVED: FOR STORM DRAINAGE AND PUBLIC ROADS<br>HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS<br><i>Clayton</i> 11/3/94<br>DIRECTOR DATE<br><i>C. E. Zalta</i> 11/27/94<br>CHIEF, BUREAU OF ENGINEERING DATE | SUBDIVISION NAME: HOLWECK SUBDIVISION<br>SECTION/AREA: N/A<br>PARCEL NUMBER: PARCEL 'B'<br>PLAT NO.: 11180<br>BLOCK NO.: 6<br>ZONE: B-2<br>TAX/ZONE: 34<br>ELECT. DIST.: 5th<br>CENSUS TR.: 6051<br>WATER CODE: J07<br>SEWER CODE: PRIVATE |

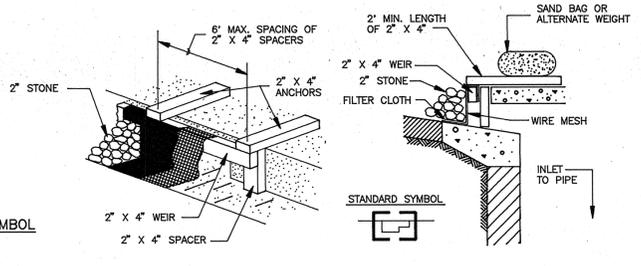


**CONSTRUCTION SPECIFICATIONS**

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENT LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINT WHERE INGRESS AND EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY LOT.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- 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 CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHT-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.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

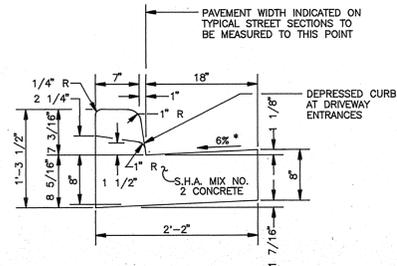
**STABILIZED CONSTRUCTION ENTRANCE**

N.T.S



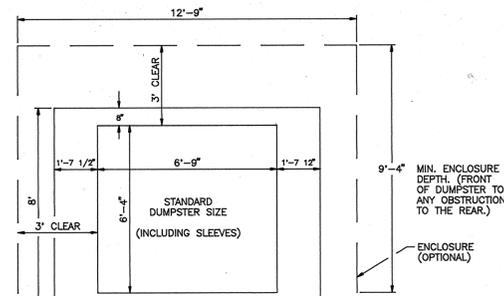
**CURB INLET PROTECTION DETAIL**

NOT TO SCALE



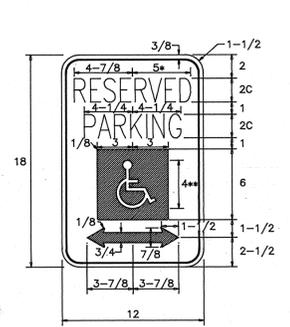
**STANDARD COMBINATION CURB AND GUTTER**

HOWARD COUNTY STANDARD R-3.01  
NOT TO SCALE



**SOLID WASTE OPTIONAL CONTAINER ENCLOSURE**

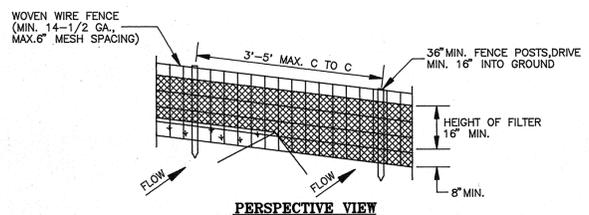
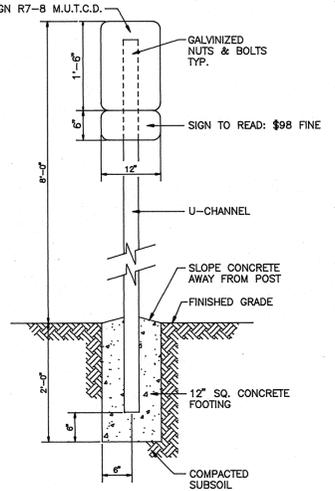
HOWARD COUNTY STD. R 11.02  
NOT TO SCALE



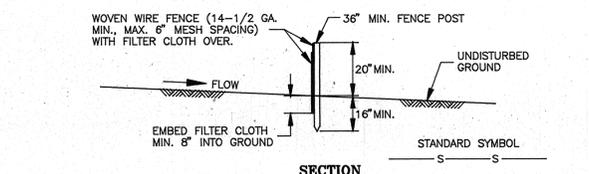
**HANDICAP SIGN**

NOT TO SCALE

\* REDUCE SPACING 50%  
\*\* SEE SYMBOL 1860 FOR SYMBOL DESIGN (ALL DIMENSIONS FOR SIGN IN INCHES)  
COLORS:  
LEGEND AND BORDER - GREEN  
WHITE SYMBOL ON BLUE BACKGROUND  
BACKGROUND - WHITE  
REFERENCE: STATE OF MARYLAND STANDARD HIGHWAY SIGNS BOOKLET MARYLAND DEPARTMENT OF TRANSPORTATION.



**PERSPECTIVE VIEW**



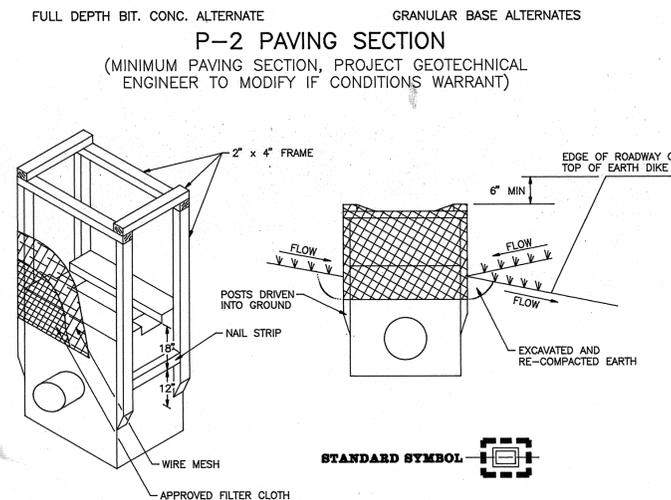
**SECTION**

**CONSTRUCTION NOTES FOR SILT FENCE**

- WOVEN 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 & MID SECTION.
  - WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
  - MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER T OR U TYPE OR 2" HARDWOOD.  
FENCE: WOVEN WIRE, MIN. 14-1/2 GA., 6" MAX. MESH OPENING  
FILTER CLOTH: FILTER X, MIRAFI 100X, STABILINKA T140N OR APPROVED EQUAL.  
PREFABRICATED UNIT: GEOFAB, ENVIROFENCE, OR APPROVED EQUAL.

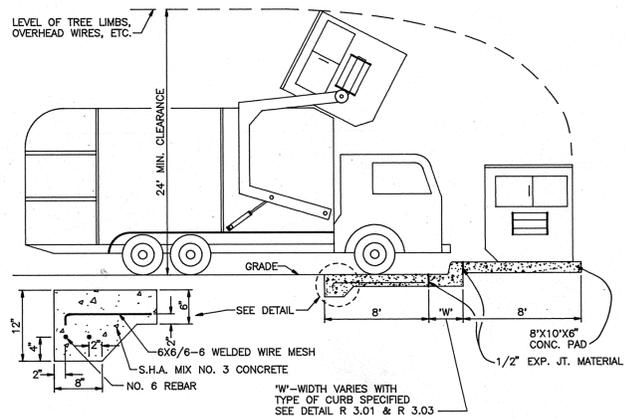
**SILT FENCE**

N.T.S



**SWALE INLET PROTECTION DETAIL**

NOT TO SCALE



**SOLID WASTE SERVICE PAD**

HOWARD COUNTY STD. R 11.01  
NOT TO SCALE

OWNER/DEVELOPER  
CITIZENS NATIONAL BANK  
390 MAIN STREET  
LAUREL, MARYLAND 20707  
TELEPHONE: (301) 497-6292

**PERMANENT SEEDING NOTES**

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

Seedbed Preparation: Loosen upper 3 inches of soil by raking, discing, or other acceptable means before seeding, if not previously loosened.

Soil Amendments: 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. Harrow or disc into upper 3 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./1000sq. 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 60lbs. 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. of 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 of well-anchored straw mulch, and seed as soon as possible in the spring. Option 2 - Use sod. Option 3 - Seed with 60 lbs. per acre Kentucky 31 Tall Fescue, and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70-90 lbs./1000 sq. ft.) of un-rotted 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 reseeds.

**SEDIMENT CONTROL NOTES**

- All Grading Permits shall be obtained prior to the starting of any Grading work.
- 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 vegetation 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, Storm Drainage, of the Howard County Design Manual.
- 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 (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 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 R/W and easements | 1.20 acres  |
| Area disturbed                       | 1.41 acres  |
| Area to be roofed or paved           | 0.64 acres  |
| Area to be vegetatively stabilized   | 0.77 acres  |
| Total cut                            | 1400 cu. yds.   |
| Total fill                           | 1400 cu. yds.   |
| Offsite waste/borrow area location   | To be determined by contractor, with pre-approval of the Sediment Control Inspector |
- 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 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.
- See Sheet No. 5 for additional Sediment and Erosion Control Notes and Details.

**ENGINEERS CERTIFICATE**  
I HEREBY 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 REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT  
*Robert H. Case* 11/17/94  
SIGNATURE OF ENGINEER DATE

**DEVELOPER'S CERTIFICATE**  
I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE IN ACCORDANCE TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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.  
*Charles G. Neustrom* 11/17/94  
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*Patricia E. L...* 11/23/94  
U. S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*John R. Roberts* 11/23/94  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*Frank S. ...* 12/9/94  
DIRECTOR DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*Anna ...* 12/7/94  
CHIEF, LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*...* 11/23/94  
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*Joyce M. ...* 12/5/94  
COUNTY HEALTH OFFICER DATE

|   |                |                     |                       |                             |                    |
|---|----------------|---------------------|-----------------------|-----------------------------|--------------------|
| SUBDIVISION NAME<br>HOLWECK SUBDIVISION |                | SECTION/AREA<br>N/A |                       | PARCEL NUMBER<br>PARCEL 'B' |                    |
| PLAT NO.<br>11180                       | BLOCK NO.<br>6 | ZONE<br>B-2         | TAX/ZONE<br>34        | ELECT. DIST.<br>5th         | CENSUS TR.<br>6051 |
| WATER CODE<br>J07                       |                |                     | SEWER CODE<br>PRIVATE |                             |                    |

**CITIZENS NATIONAL BANK**  
PARCEL 'B' HOLWECK SUBDIVISION  
DETAILS AND NOTES

TAX MAP #34 REFERENCE F 94-38, SP 93-14 PARCEL 'B'  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**MARKS-VOGEL ASSOCIATES, INC.**  
ENGINEERS - SURVEYORS - PLANNERS

8691 PARK AVENUE, SUITE 101 ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: (410) 461-5828 FAX: (410) 465-3968

DESIGN BY: R.H.V.  
DRAWN BY: D.G.H.  
CHECKED BY: R.H.V.  
DATE: SEPTEMBER, 1994  
SCALE: 1"=30'  
W.O. NO.: 6 SHEET OF 6