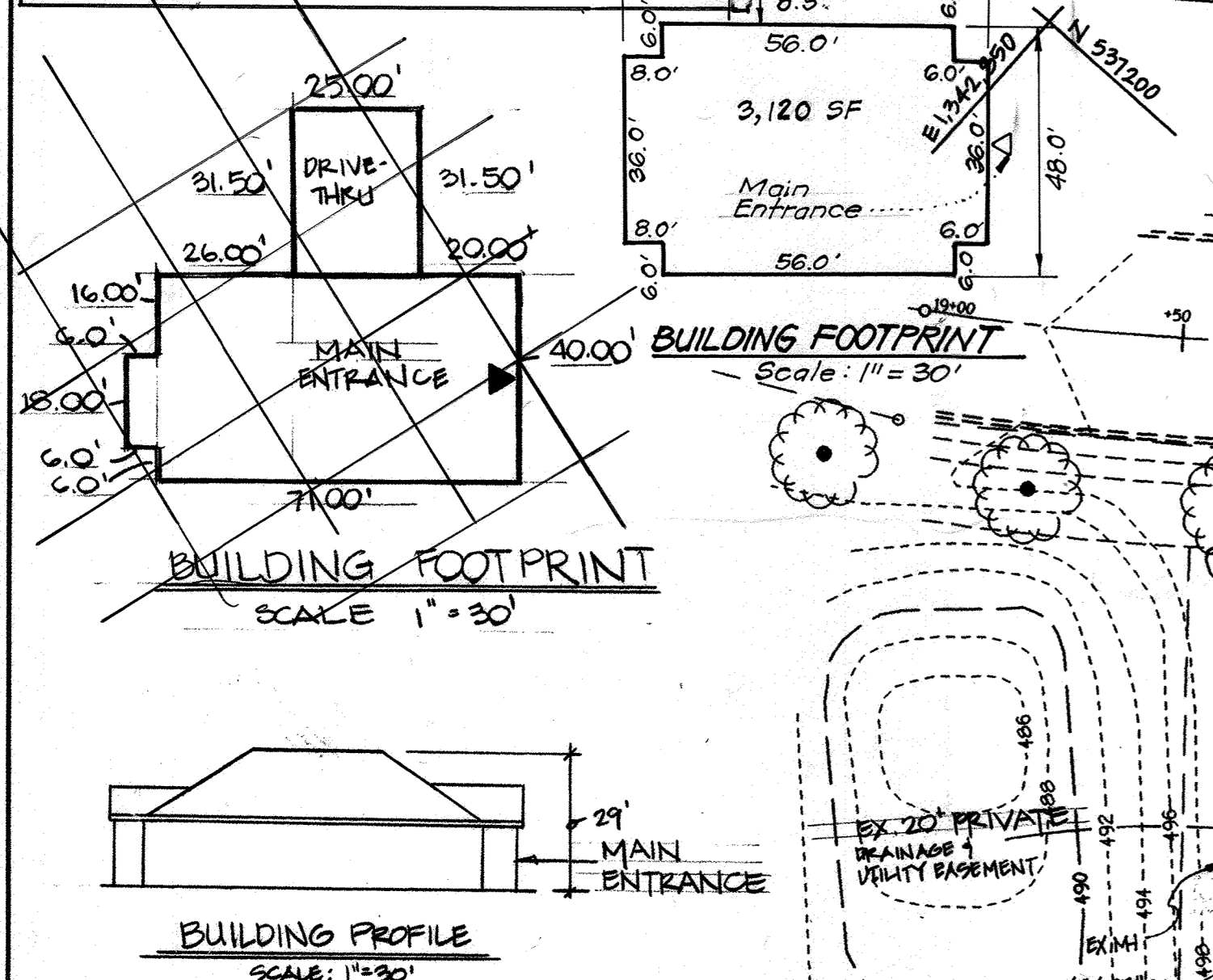


PROP. LOD = 2,548.38 OR 0.069 AC

THE LOD OF 2,548.38 OR 0.069 AC IS EXEMPT FROM PROVIDING STORM WATER MANAGEMENT ANY FUTURE INCREASES WHERE THE CUMULATIVE LOD EXCEEDS 5,000 SF; THE STORM WATER MANAGEMENT SHALL BE PROVIDED

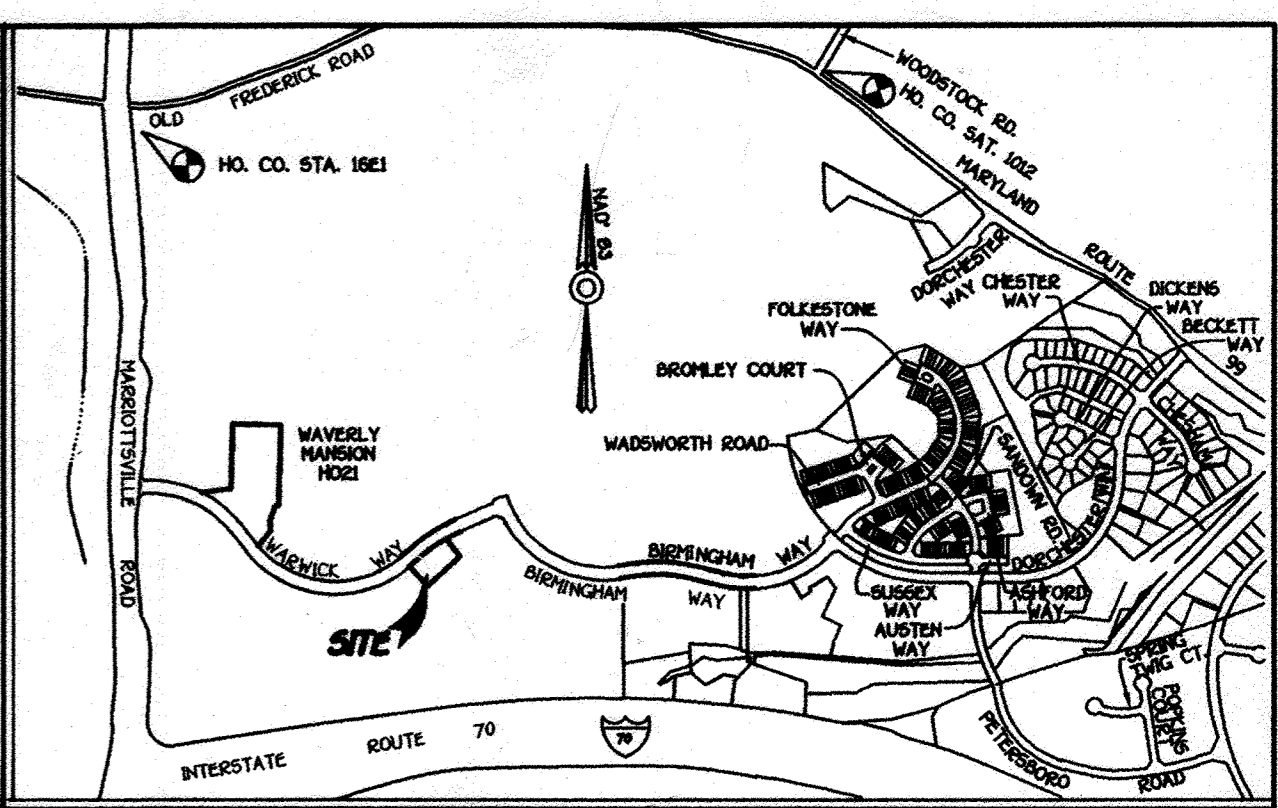


- SEQUENCE OF CONSTRUCTION: 1. OBTAIN GRADING PERMIT... 2. INSTALL SEDIMENT AND EROSION CONTROL MEASURES... 3. GRADE SITE TO SUB-BASE AND INSTALL TEMPORARY SEEDING... 4. CONSTRUCT STORM DRAIN AND UTILITIES... 5. CONSTRUCT BUILDING... 6. INSTALL CURB & GUTTER, SIDEWALKS AND SUB-BASE PAVING... 7. FINE GRADE SITE AND INSTALL PERMANENT SEEDING... 8. INSTALL FINISHED PAVING... 9. AS UPLAND AREAS ARE STABILIZED...

DEVELOPER'S/BUILDER'S CERTIFICATE: LANDSCAPING

I/WE CERTIFY THAT THE LANDSCAPING SHOWN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

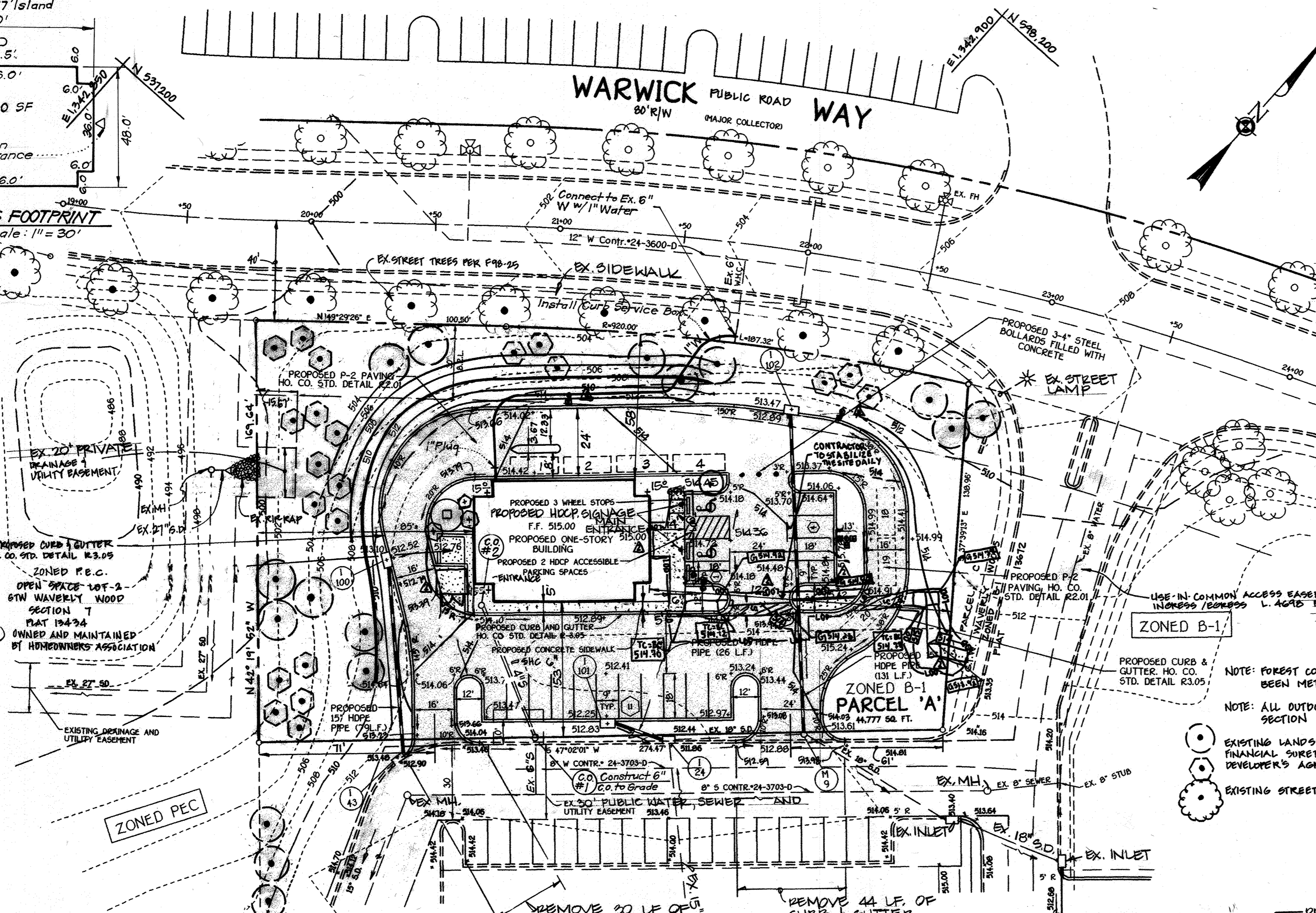
Signature: Bruce H. Preston, Date: 1-27-00. DUMPSTER LANDSCAPE SCREENING. LINEAR FEET OF PERIMETER: 25. NUMBER OF PLANTS REQUIRED: 1 SHADE TREE / 60 LF. 1 EVERGREEN TREE / 10 LF. = 3. NUMBER OF PLANTS PROVIDED: 1 SHADE TREE, 2 EVERGREEN TREE.



VICINITY MAP SCALE: 1" = 1200'

- GENERAL NOTES: 1. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION INSPECTION DIVISION AT 4100 315-1500 AT LEAST (5) FIVE WORKING DAYS PRIOR TO THE START OF WORK... 2. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK... 3. THIS PROJECT IS SUBJECT TO HOWARD COUNTY FILES: 5 94-07, WP 98-145, F 96-179, F 97-160, F 98-25, F 99-20 AND SDP 96-35... 4. BOUNDARY AND TOPOGRAPHIC SURVEY PERFORMED BY: FISHER COLLINS AND CARTER INC. ON OR ABOUT APRIL, 1996... 5. HORIZONTAL AND VERTICAL CONTROL DATUM IS BASED ON HOWARD COUNTY GEODETIC CONTROL STATIONS HOWARD COUNTY MONUMENT 1012 N 601060.177 ELEV. = 445.577 E 1345336.7580 ELEV. = 509.924 N 595250.9322 E 134097.710

LEGEND



NOTE: FOREST CONSERVATION OBLIGATIONS HAVE BEEN MET, SEE WP-78-145. NOTE: ALL OUTDOOR LIGHTING SHALL COMPLY WITH SECTION 154 OF THE ZONING REGULATIONS.

EXISTING LANDSCAPING PER SDP 98-125 FINANCIAL SURETY WAS MADE A PART OF THE DEVELOPER'S AGREEMENT. EXISTING STREET TREES PER F-98-25.

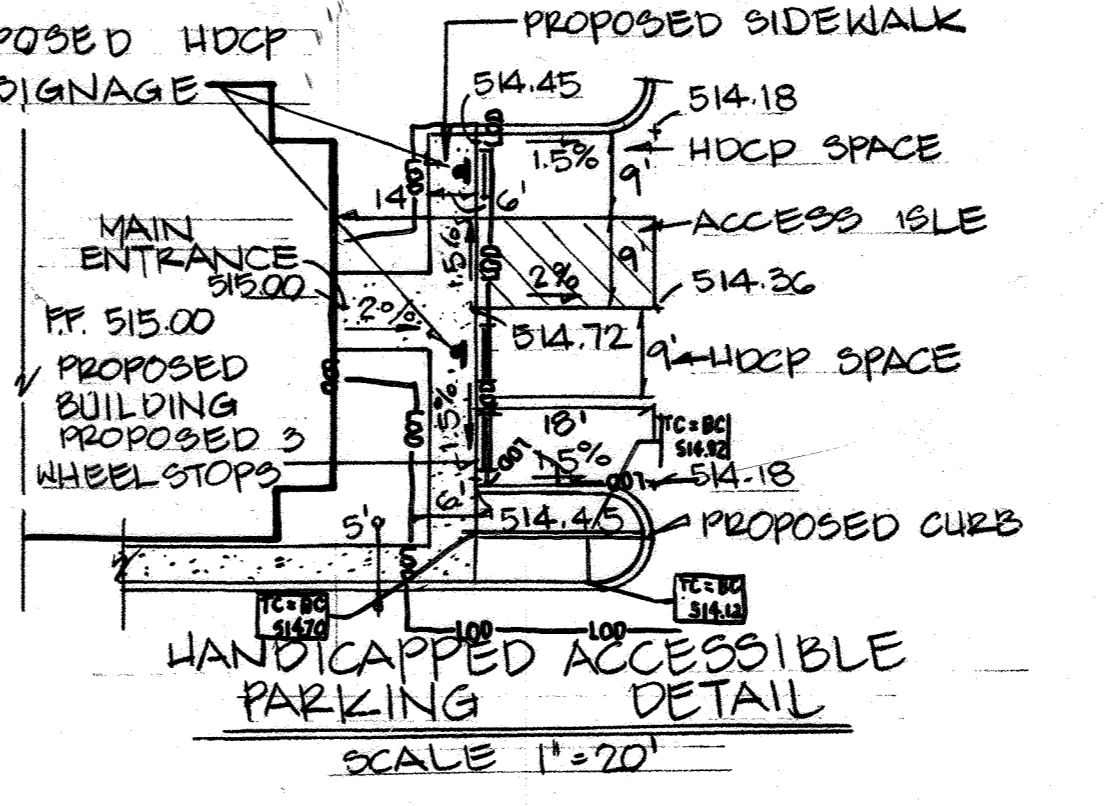
- 8. SITE ANALYSIS DATA: A. TOTAL PROJECT AREA: 103 AC. B. AREA OF PLAN SUBMISSION: 103 AC. C. LIMIT OF DISTURBED AREA: 0.90 AC. D. PRESENT ZONING: B-1. E. PROPOSED USE FOR SITE AND STRUCTURES: BANK. F. NUMBER OF PARKING SPACES REQUIRED: 16. G. NUMBER OF PARKING SPACES PROVIDED: 16.

- 9. PARKING REQUIREMENTS: PARCEL 'A' 1. TOTAL AREA OF BUILDING SQUARE FOOTAGE = 3120 SQ. FT. 2. TOTAL NUMBER OF PARKING SPACES REQUIRED = 3.1 x 5 = 16 3. TOTAL NUMBER OF PARKING SPACES PROVIDED: 16 - STANDARD SPACES 2 - HANDICAPPED SPACES

- 10. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE. 11. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STATE AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT. 12. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED. 13. PUBLIC WATER AND PUBLIC SEWER TO BE UTILIZED. EXISTING UTILITIES ARE BASED ON CONT. NO. 24-3600-D, 24-3566-D & 24-3614-D. 14. THERE IS NO FLOODPLAIN ON THIS SITE. 15. THERE ARE NO WETLANDS ON THIS SITE. 16. TRAFFIC STUDY PREPARED BY STREET TRAFFIC STUDIES OCTOBER 1999. 17. THIS PROPERTY IS SUBJECT TO A "DECLARATION OF EASEMENTS, COVENANTS, AND RESTRICTIONS" REGARDING ACCESS, SHARED PARKING, AND UTILITY EASEMENTS. L-4898 F-182. 18. PLAN SUBJECT TO WP-98-145, REQUESTING TO WAIVE SECTION 16.146, A REQUIREMENT FOR SUBMISSION OF A PRELIMINARY PLAN FOR NON-RESIDENTIALLY ZONED LAND (B-1 & PEC). THE WAIVER WAS APPROVED ON AUGUST 4, 1998 SUBJECT TO THE FOLLOWING: 1) PROVIDE UP-DATED FOREST CONSERVATION PLAN & WORKSHEET, STORM WATER MANAGEMENT AND SEDIMENT AND EROSION CONTROL PLANS WITH SDP-98-125 (FOR PARCELS A-D) AND ON THE FUTURE SDP SUBMITTAL FOR PARCEL E. 2) SUBMIT A PLAN FOR SECTION 9, THE SUBJECT OF THIS PETITION, FOR SRC REVIEW AND APPROVAL.

SCHEDULE B: NUMBER OF PARKING SPACES 16, NUMBER OF TREES REQUIRED 1, NUMBER OF TREES PROVIDED 1.

LANDSCAPE SCHEDULE table with columns: AMOUNT, SYMBOL, TYPE, REMARK. Includes entries for Praxinus pennsylvanica, Pinus strobus, and Ginkgo biloba.

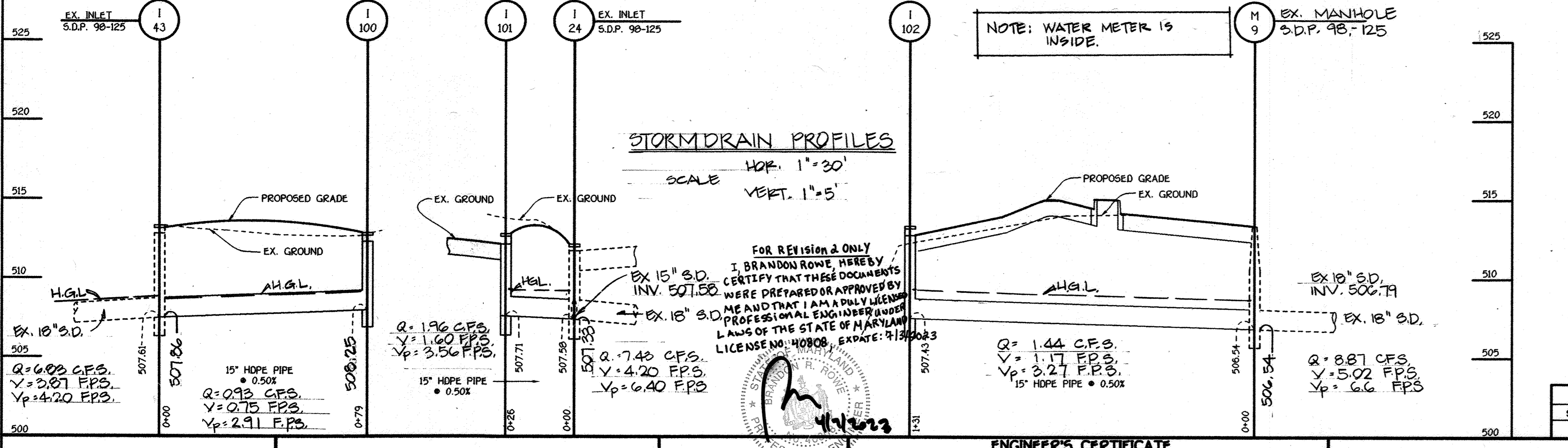


NOTE: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISION OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$1050.00.

PIPE SCHEDULE table with columns: SIZE, LENGTH, HOPE, TYPE, STRUCTURE. Includes entries for 15" and 23" HOPE pipes.

STRUCTURE SCHEDULE table with columns: I-DIST, I-NO, I-DATE, I-AREA, I-AREA, I-AREA, I-AREA, I-AREA, I-AREA. Includes entries for 1-I02, 1-I01, and 1-I00.

NOTE: CONTRACTOR TO COORDINATE PLANTING OF TREES (2.0" DB, 48" H) AND PROPOSED GRADING ON THIS PLAN. IF TREES HAVE BEEN PLANTED BEFORE CONSTRUCTION BEGINS THEN THEY WILL HAVE TO BE RELOCATED ON SITE.



REVISION table with columns: DATE, DESCRIPTION. Includes revisions for path to right of way and trash enclosure.

ENGINEER'S CERTIFICATE: I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

DEVELOPER'S CERTIFICATE: I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

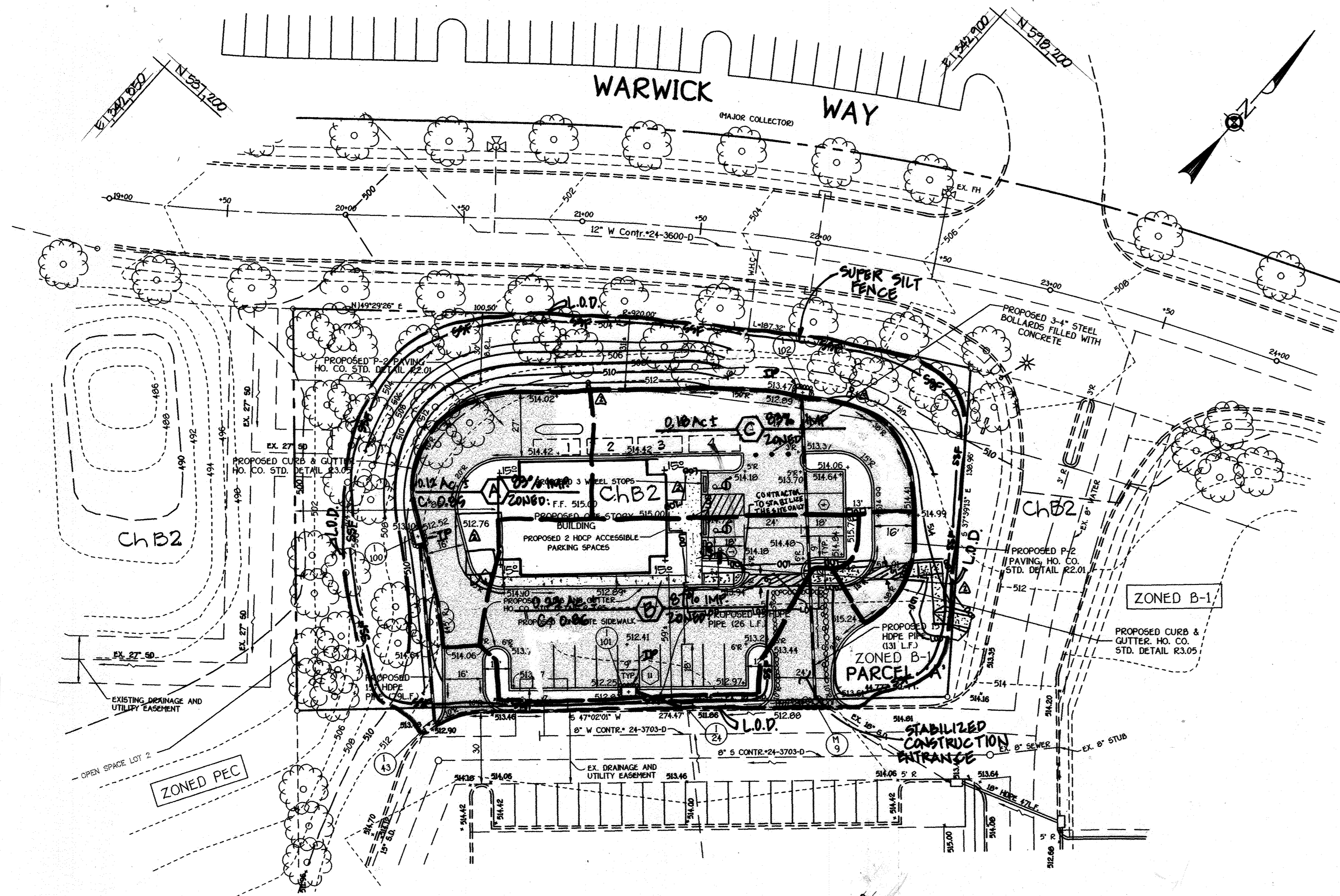
APPROVED: DEPARTMENT OF PLANNING AND ZONING. Chief, Division of Land Development: 2/28/00. Chief, Development Engineering Division: 2/18/00. Director - Department of Planning and Zoning: 2/28/00.

OWNER and DEVELOPER information. OWNER: WAVERLY WOODS DEVELOPMENT CORPORATION. DEVELOPER: MID-ATLANTIC REALTY TRUST.

SITE DEVELOPMENT PLAN AND LANDSCAPE PLAN. G.T.W.'S WAVERLY WOODS SECTION 9 PARCEL 'A'. Tax Map No: 16 Part Of Parcel 406 Grid 10. THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND. SCALE: AS SHOWN. DATE: SEPTEMBER 20, 1999. SHEET 1 OF 3.

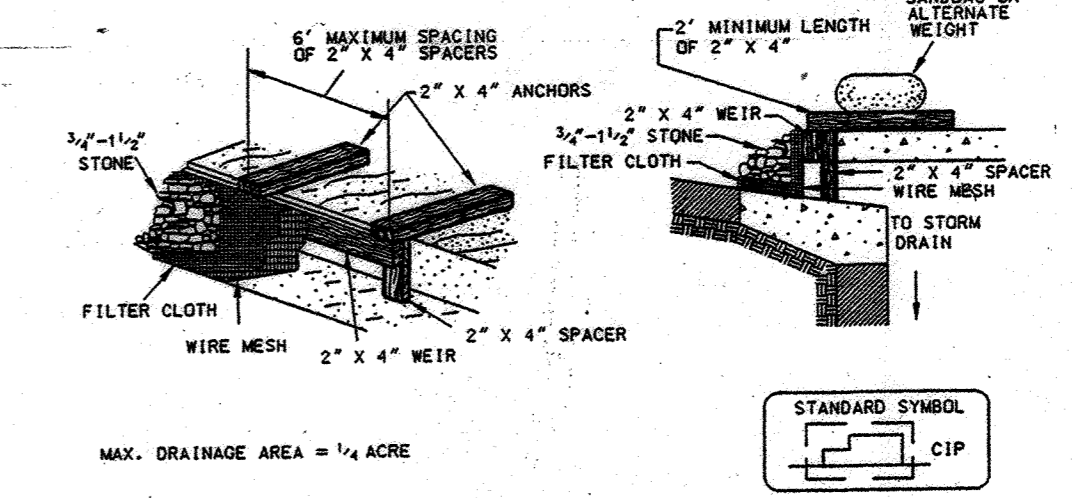
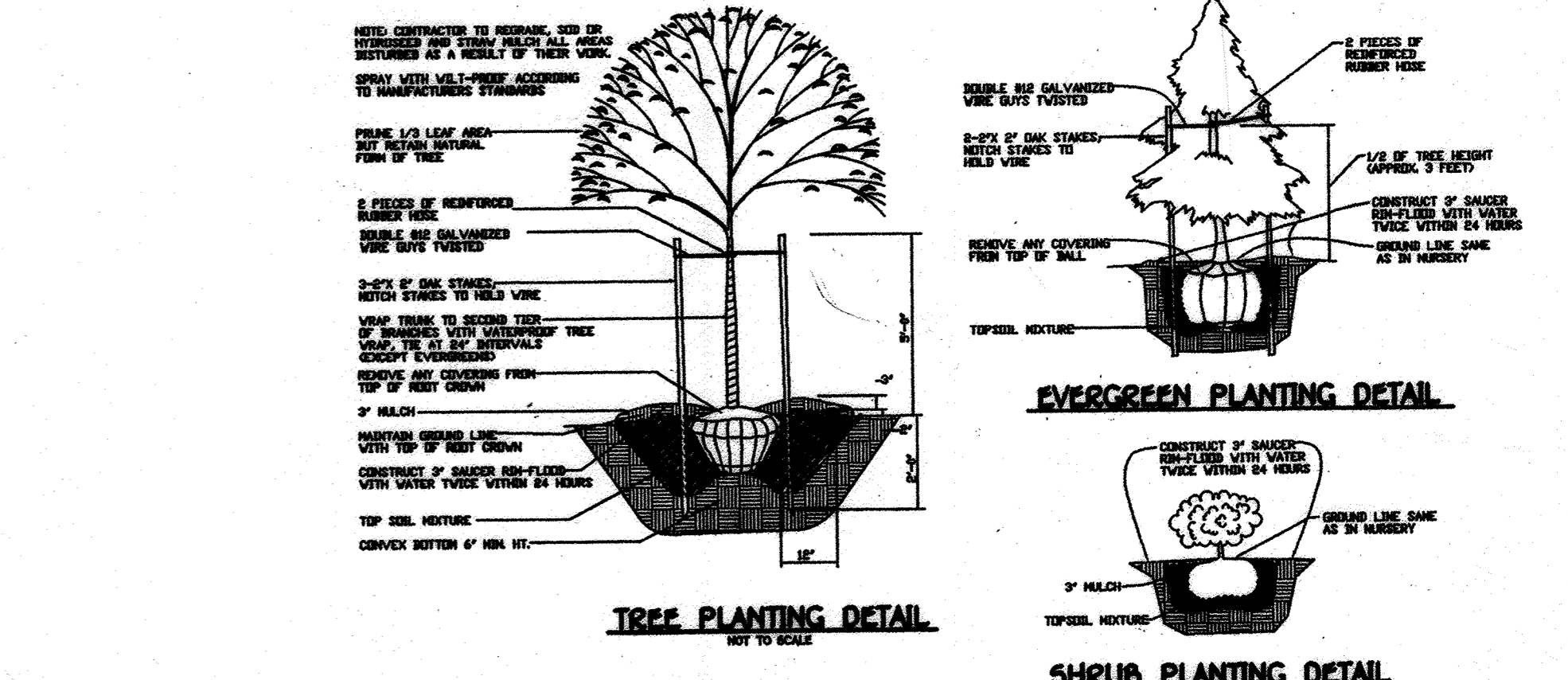
ADDRESS and SHEET INDEX information. ADDRESS: LOT 1, STREET ADDRESS 2151 WARWICK WAY, PARCEL A. SHEET INDEX: 1 PLAN VIEW/LANDSCAPE PLAN, 2 NOTES & DETAILS, 3 DRAINAGE AREA MAP.



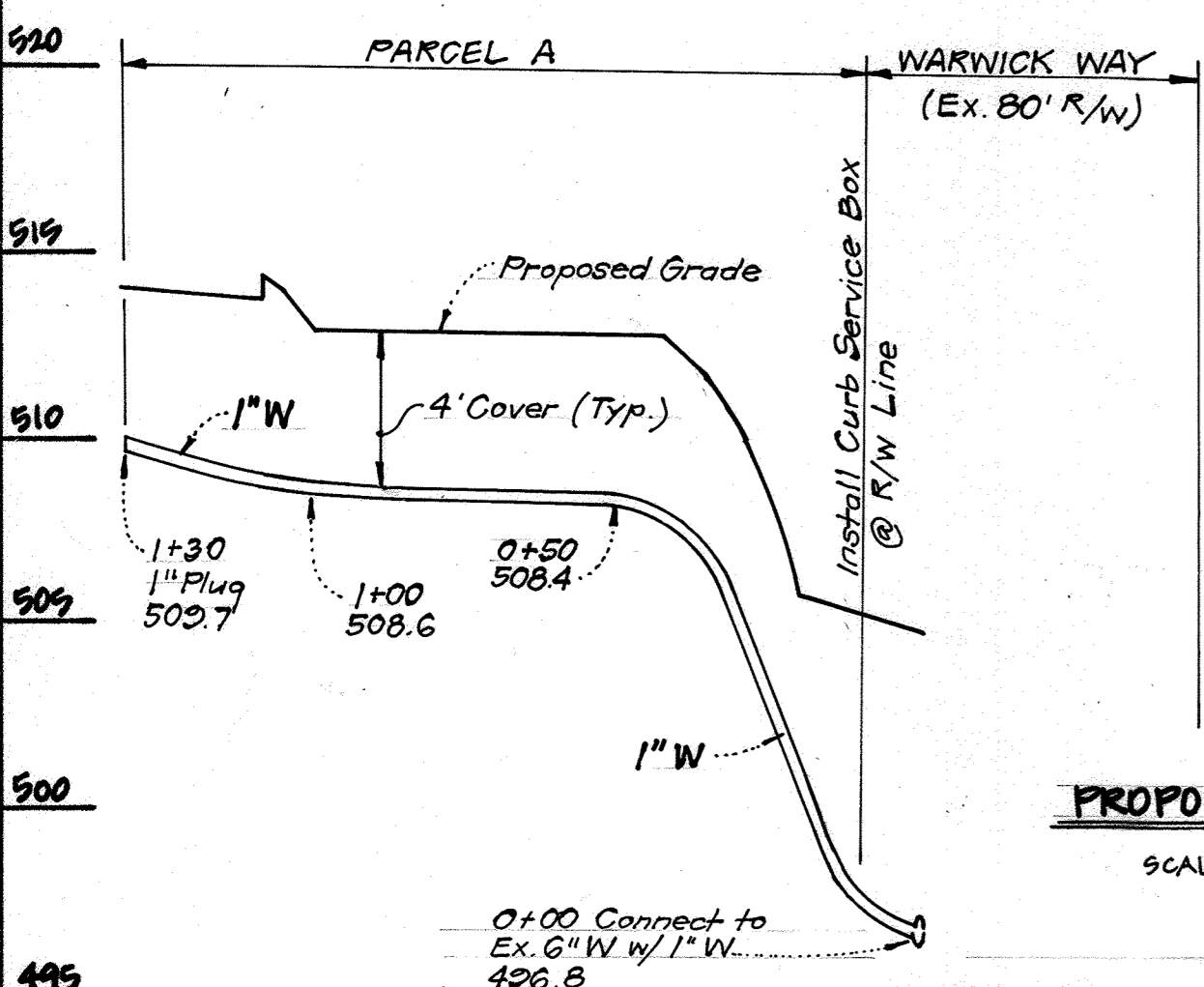


**LEGEND**  
 CONCRETE

THE LOD OF 2,548.38 OR 0.059 IS EXEMPT FROM PROVIDING STORMWATER MANAGEMENT. ANY FUTURE INCREASES WHERE THE CUMULATIVE LOD EXCEEDS 5,000 SF, THEN STORMWATER MANAGEMENT SHALL BE PROVIDED.



- PLANTING SPECIFICATIONS**
- Plants, related material, 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, have a vigorous root system, and shall conform to the specific size, root and disease status on the plant list and the American Association of Nurserymen (A.A.N.) Standards. Plant material shall be healthy, vigorous, free from defects, decay, dieback, root rot, sun scald, injuries, diseases of the bark, plant diseases, insect pest eggs, borers and all forms of insect infestations or objectionable infestations. Plant material that is weak or which has been cut back from larger grades to meet specifications will be accepted. Freshly dug or heeled-in plants from cold storage will be accepted. Trees with forked leaders will not be accepted. All plants shall be protected from frost damage during storage and transport.
- Unless otherwise specified, all general conditions, planting operations, details and planting specifications shall conform to "Landscape Specification Guidelines for Builders - Washington Metropolitan Area", "Overseer's Landscape Guidelines" approved by the Landscape Contractors Association of Washington and the Potomac Chapter of the American Society of Landscape Architects, latest edition, including all amendments.
- 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's attention is directed to the maintenance requirements found within the one year specifications including watering and replacement of specified plant material.
- Contractor shall be responsible for notifying utility companies, utility contractors and "Miss Utility" a minimum of 48 hours prior to beginning any work. Contractor may make minor adjustments in spacing and location of plants material to avoid conflicts with utilities. Damage to existing structure and utilities shall be repaired at the expense of the Contractor.
- Contractor shall be responsible for installing all material in the proper planting season for each plant type. All planting is to be completed within the growing season of completion of site construction. Work shall be done on actual site conditions. No extra payment shall be made for work arising from site conditions differing from those indicated on drawings and specifications.
- Plant quantities are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on plan and those shown on the plant list, the quantities on the plan take precedence. All shrubs shall be planted in continuous trenches or prepared planting beds and mulched with composted hardwood mulch as details and specified except where noted on plans.
- Positive drainage shall be maintained in planting beds 2 percent slope.
- Planting mix shall be as follows: **Deciduous Plants** - Two parts topsoil, one part well-rotted cow or horse manure. Add 3 lbs of standard 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 the Landscape Guidelines.
- Wind Control** - Incorporate a pre-emergent herbicide into the planting bed following recommended rates on the label. Caution: be sure to carefully check the chemical label to ensure its compatibility to the specific ground cover to be treated.
- All areas within contract limits disturbed during or prior to construction not designated to receive plants and mulch shall be fine graded and seeded.
- This plan is intended for landscape use only. See other plan sheets for more information on grading, sediment control, layout, etc.
- Construction Specifications**
- Attach a continuous piece of wire mesh (30" minimum width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 4") as shown on the standard drawing.
  - Place a continuous piece of Geotextile Class E the same dimensions as the wire mesh over the wire mesh and securely attach it to the 2" x 4" weir.
  - Securely nail the 2" x 4" weir to a 3" long vertical spacer to be located between the weir and the inlet face (max. 4" apart).
  - Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir or spacer locations). These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
  - The assembly shall be placed so that the end spacers are a minimum 1" beyond both ends of the throat opening.
  - Form the 1/2" x 1/2" wire mesh and the geotextile fabric to the concrete gutter and against the face of the curb on both sides of the inlet. Place clean 3/4" x 1/2" stone over the wire mesh and geotextile in such a manner to prevent water from entering the inlet under or around the geotextile.
  - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
  - Assure that storm flow does not bypass the inlet by installing a temporary earth or asphalt dike to direct the flow to the inlet.

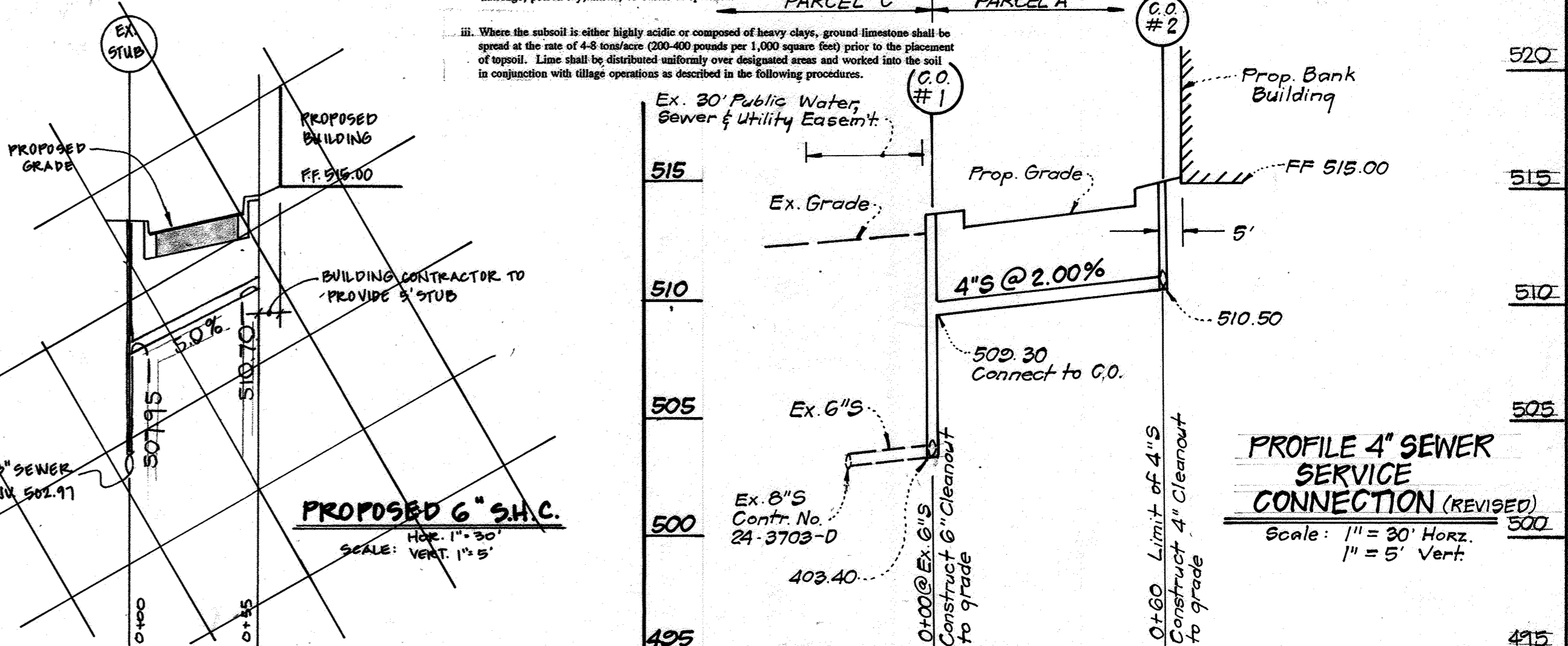


**SOILS LEGEND**

| SOIL | NAME   | CLASS |
|------|--|-------|
| ChB2 | Chester silt loam, 3 to 8 percent slopes moderately eroded | B     |

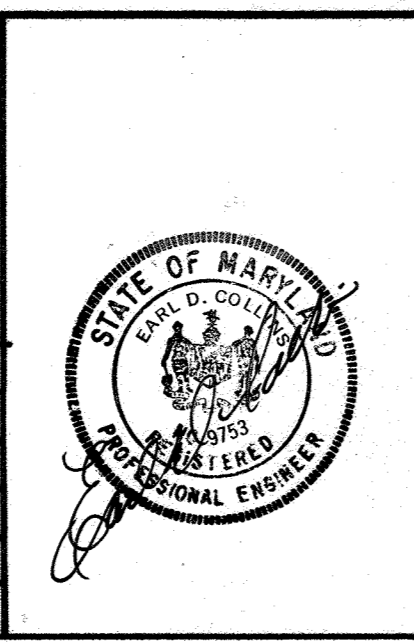
FOR REVISION 2 ONLY  
 I, BRANDON ROWE, HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND LICENSE NO. 47808 EX. DATE: 9/13/83

*Brandon Rowe*  
 4/7/2009



**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTRAL SQUARE OFFICE PARK - 1072 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21042  
 (410) 984 - 2250

| DATE   | DESCRIPTION                            |
|--------|--|
| 2-5-02 | Rev. W&S Profiles for Hse. Connections |
|        |  |
|        |  |



**ENGINEER'S CERTIFICATE**  
 I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*Brandon Rowe*  
 Signature of Engineer (Print name below signature) Date: 10-22-99

**DEVELOPER'S CERTIFICATE**  
 I/we certify that all development and construction will be done according to this plan, and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

*Bruce Preston*  
 Signature of Developer (Print name below signature) Date: 10-22-99

Reviewed for HOWARD SCD and meets Technical Requirements.  
*Carol Sain* / 66 Date: 2/16/00  
 U.S.D.A.-NATURAL Resources Conservation Service  
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.  
*Howard Sain* / 66 Date: 2/16/00

**OWNER**  
 WAVERLY WOODS DEVELOPMENT CORPORATION  
 C/O LAND DESIGN AND DEVELOPMENT, INC.  
 1800 MAIN STREET  
 ELICOTT CITY, MARYLAND 21043

**DEVELOPER**  
 MID-ATLANTIC REALTY TRUST  
 170 WEST RIDGELY ROAD, SUITE 300  
 LUTHERVILLE, MARYLAND 21093

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Clayton Hamilton* / 66 Date: 2/20/00  
 Chief, Division of Land Development  
*William Williams* / 66 Date: 2/10/00  
 Chief, Development Engineering Division  
*Joseph Smith* / 66 Date: 2/28/00  
 Director - Department of Planning and Zoning

PROJECT: G.T.W.'S WAVERLY WOODS SECTION/AREA: PARCEL A

| PLAT  | BLOCK NO. | ZONE | TAX/ZONE | ELEC. DIST. | CENSUS TR. |
|-------|-----------|------|----------|-------------|------------|
| 13672 | 5         | B-1  | 16       | THRD        | 6030       |

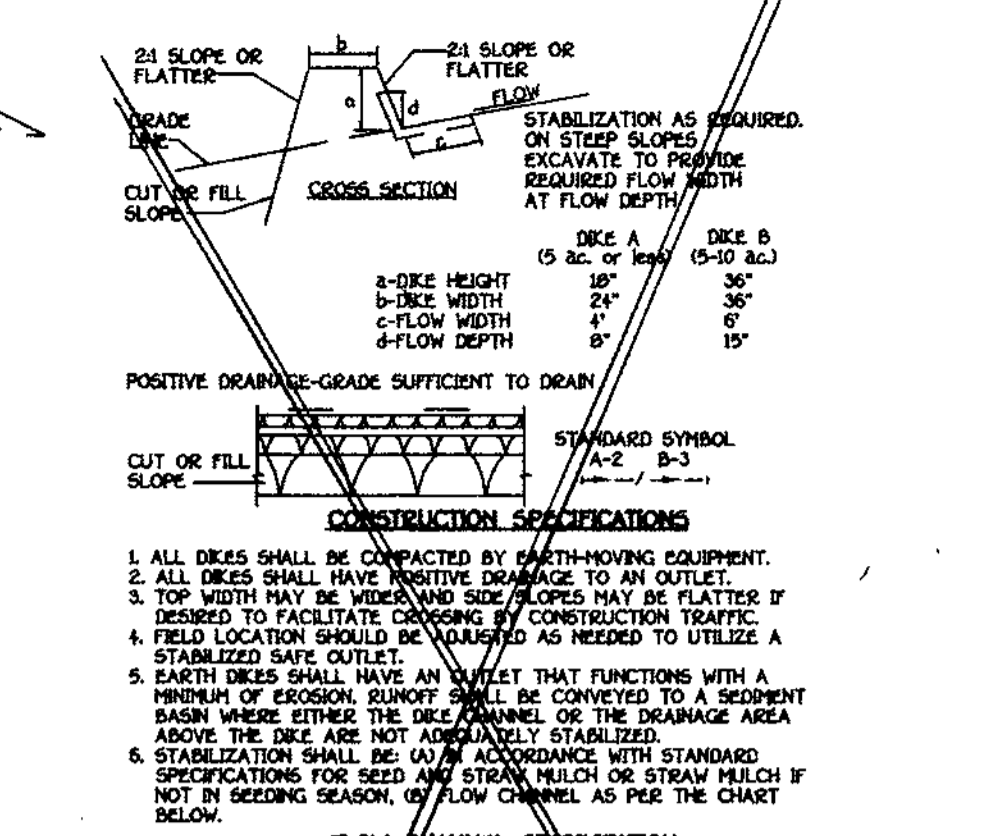
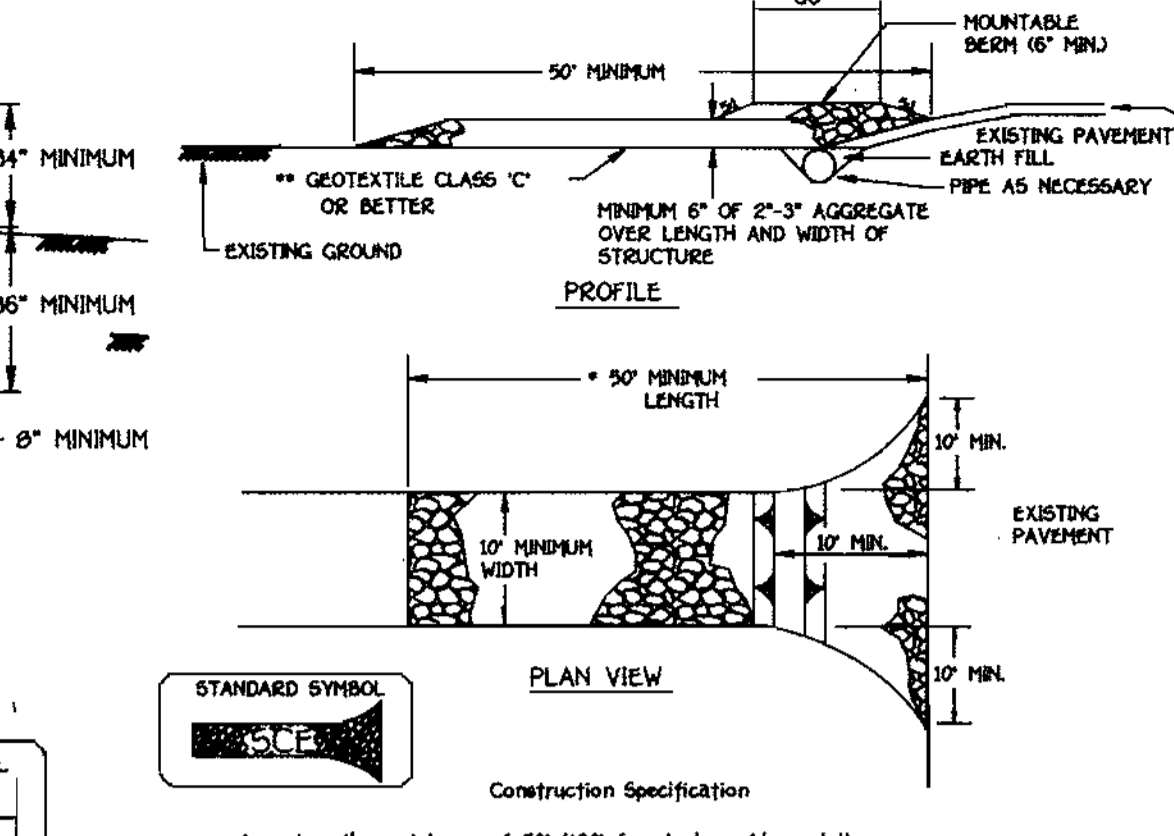
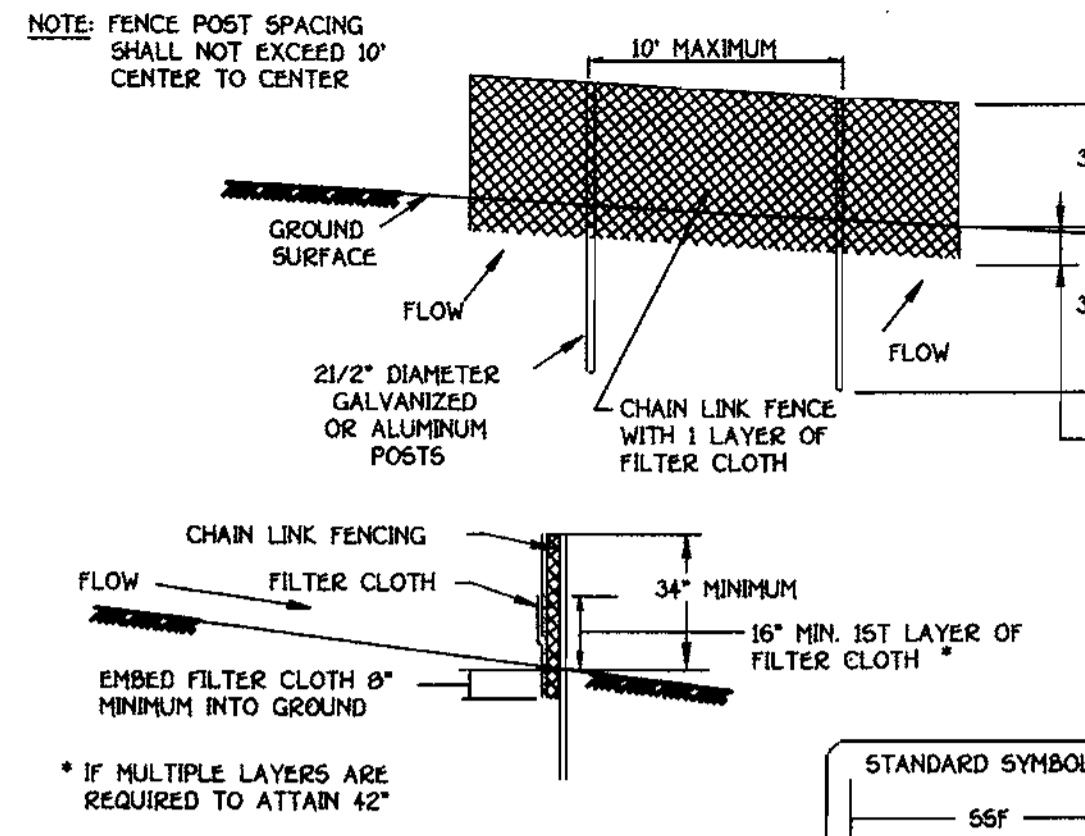
WATER CODE: H-05 SEWER CODE: 5993000

**SEDIMENT AND EROSION CONTROL PLAN AND DRAINAGE AREA MAP**

SOIL MAP

G.T.W.'S WAVERLY WOODS SECTION 9 PARCEL A

Tax Map No: 16 Part of Parcel 406 Grid 10  
 THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
 SCALE: AS SHOWN DATE: SEPTEMBER 20, 1999  
 SHEET 3 OF 3



**Construction Specifications**

1. Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.

2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence.

3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.

4. Filter cloth shall be embedded a minimum of 8" into the ground.

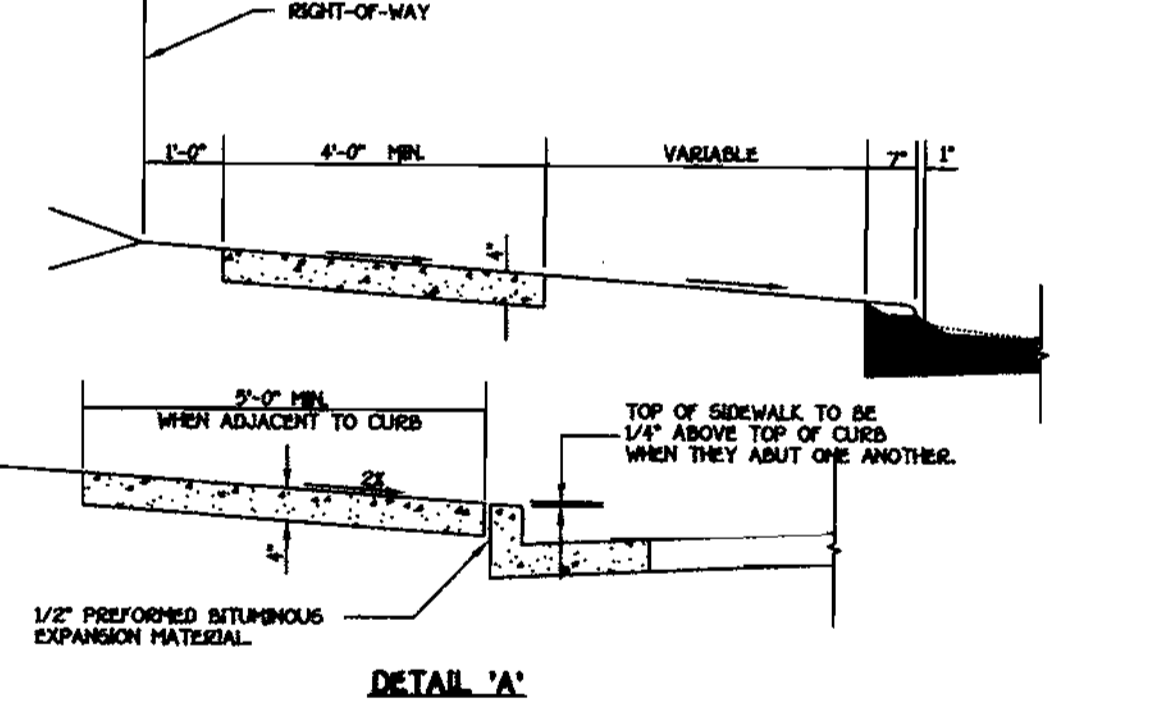
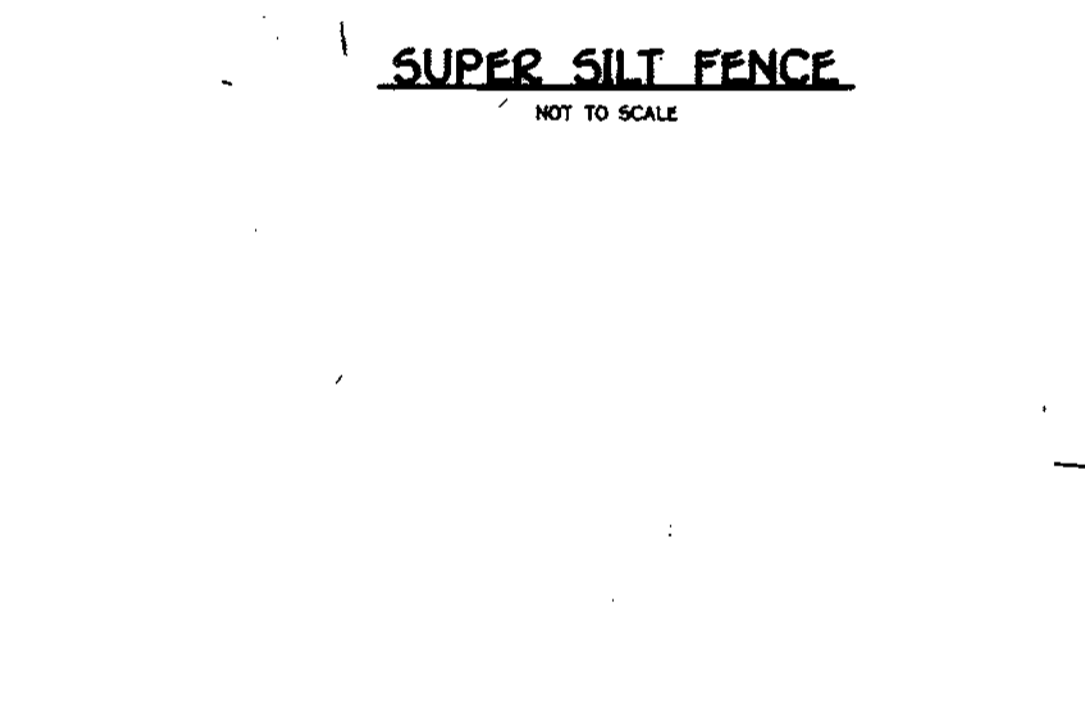
5. When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.

6. Maintenance shall be performed as needed and silt buildup removed when 'bulges' develop in the silt fence, or when silt reaches 50% of fence height.

7. Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

| Tensile Strength     | 50 lb/in (min)                                  | Test: MSMT 509         |                             |
|----------------------|---|------------------------|-----------------------------|
| Tensile Modulus      | 20 lb/in (min) <th>Test: MSMT 509</th>          | Test: MSMT 509         |                             |
| Flow Rate            | 0.3 gal/ft (min) (max.) <th>Test: MSMT 322</th> | Test: MSMT 322         |                             |
| Filtering Efficiency | 75% (min) <th>Test: MSMT 322</th>               | Test: MSMT 322         |                             |
| Design Criteria      |   |                        |                             |
| Slope                | Slope Steepness                                 | Slope Length (maximum) | Silt Fence Length (maximum) |
| 0 - 10%              | 0 - 10%   | Unlimited              | Unlimited                   |
| 10 - 20%             | 10% - 5%  | 200 feet               | 1,500 feet                  |
| 20 - 33%             | 5% - 3%   | 100 feet               | 1,000 feet                  |
| 33 - 50%             | 3% - 2%   | 100 feet               | 500 feet                    |
| 50% +                | 2% +  | 50 feet                | 250 feet                    |

| SEDER SILT FENCE |                 |                        |                             |
|------------------|-----------------|------------------------|-----------------------------|
| Slope            | Slope Steepness | Slope Length (maximum) | Silt Fence Length (maximum) |
| 0 - 10%          | 0 - 10%         | Unlimited              | Unlimited                   |
| 10 - 20%         | 10% - 5%        | 200 feet               | 1,500 feet                  |
| 20 - 33%         | 5% - 3%         | 100 feet               | 1,000 feet                  |
| 33 - 50%         | 3% - 2%         | 100 feet               | 500 feet                    |
| 50% +            | 2% +            | 50 feet                | 250 feet                    |



**NOTES**

- SIDEWALK TO BE ACROSS IN 5'-0" MAXIMUM SQUARES.
- EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO MORE THAN 15' APART.
- 1/2" PREFORMED STETIMOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE LEFT 1/4" BELOW SURFACE OF SIDEWALK.
- CONCRETE TO BE PER M.D. 2.
- WHEN SIDEWALK ADJUTS CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED STETIMOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB.
- ON LONGITUDINAL SIDEWALK GRADES OF 3% OR GREATER, A CONCRETE HEADER, 6" THICK AND 6" DEEP BEHIND THE SIDEWALK, 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 40 FEET. THE HEADERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.
- SIDEWALK WIDTH ADJACENT TO CURB SHALL BE 5'-0" MIN.
- SIDEWALK LOCATED 2' OR MORE FROM CURB MAY BE 4'-0" IN WIDTH WITH A 9" X 5" PAVED SECTION PLACED 200' APART.

| DATE | DESCRIPTION |
|------|-------------|
|      |             |
|      |             |
|      |             |
|      |             |
|      |             |

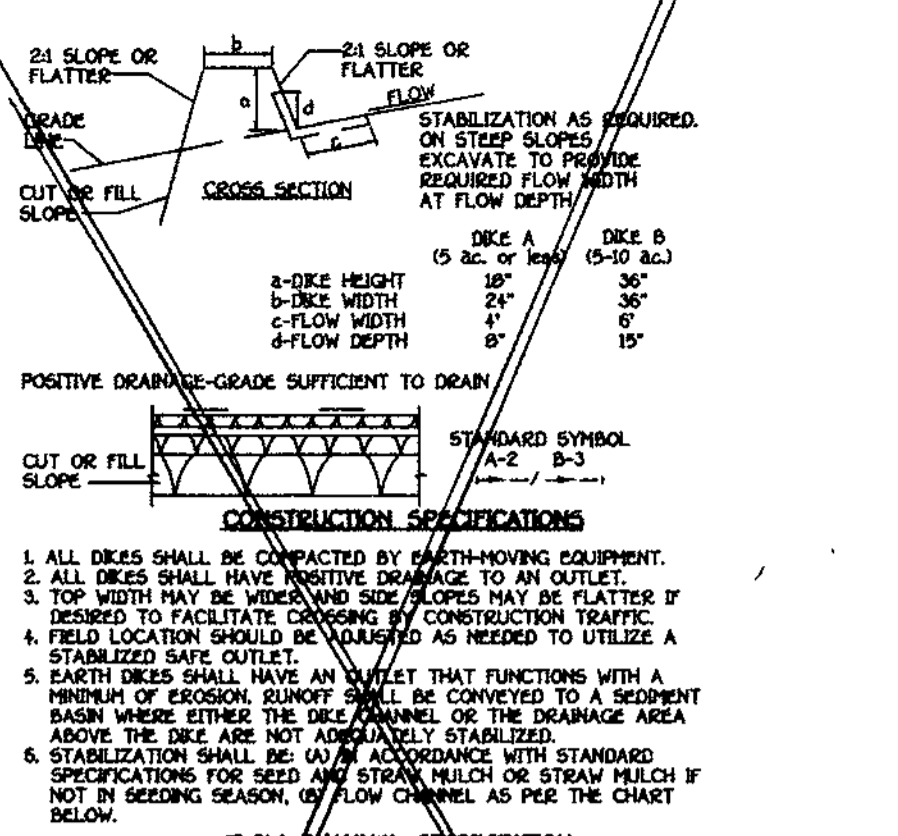
**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERS, CONSULTANTS & LAND SURVEYORS  
3100 WASHINGTON AVENUE, SUITE 2100, WASHINGTON, DC 20016  
TEL: (202) 462-1234

**ENGINEER'S CERTIFICATE**  
I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

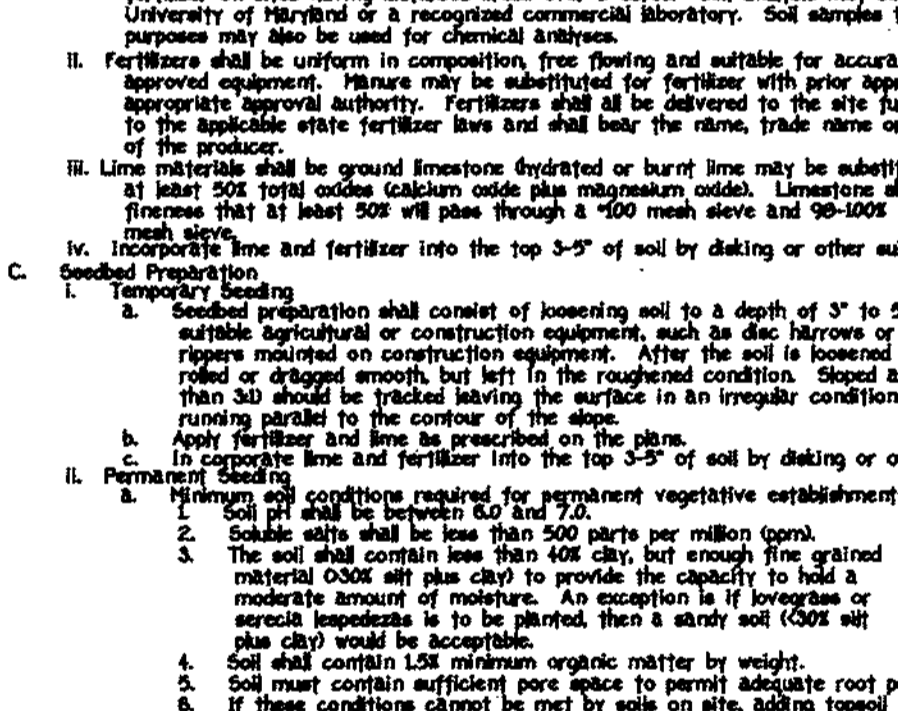
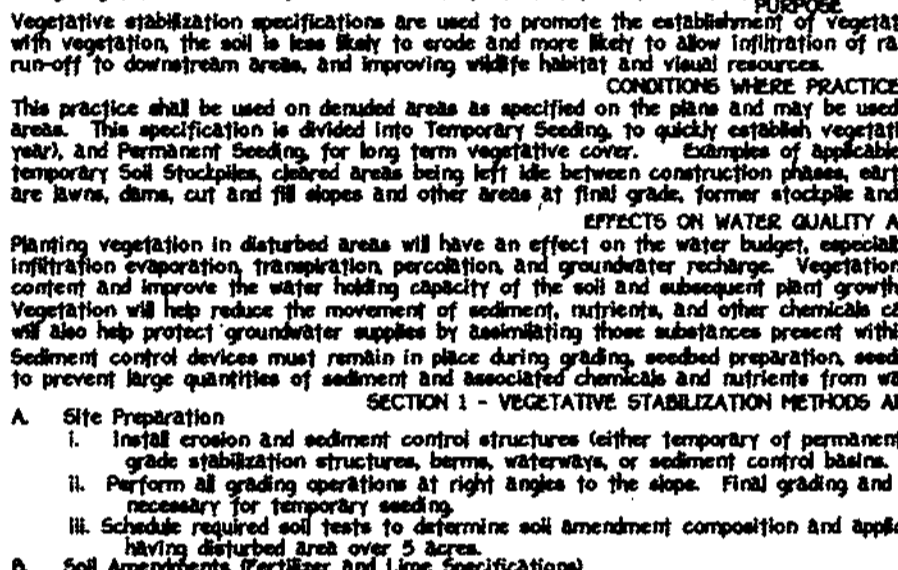
Signature of Engineer (Print name below signature) *Earl D. Little* Date *10-22-99*

**DEVELOPER'S CERTIFICATE**  
I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

Signature of Developer (Print name below signature) *Russell Preston Bruce Preston* Date *10-22-99*



| TYPE OF SEEDING | CHANNEL GRADE | SEEDS & FERTILIZER      | VEGETATIVE STABILIZATION |
|-----------------|---------------|-------------------------|--------------------------|
| 1               | 0-3%          | SEED AND STRAW MULCH    | SEED AND STRAW MULCH     |
| 2               | 3%-5%         | SEED AND STRAW MULCH    | SEED AND STRAW MULCH     |
| 3               | 5%-10%        | SEED WITH MULCH OR SOIL | SEED WITH MULCH OR SOIL  |
| 4               | 10-20%        | LINED RP-RAP 4'-8"      | ENGINEERING DESIGN       |
| 5               | 20-30%        | LINED RP-RAP 4'-8"      | ENGINEERING DESIGN       |
| 6               | 30-40%        | LINED RP-RAP 4'-8"      | ENGINEERING DESIGN       |
| 7               | 40-50%        | LINED RP-RAP 4'-8"      | ENGINEERING DESIGN       |



**SEDER SILT FENCE**

**SEDER SILT FENCE**

**SEDER SILT FENCE**

**SEDER SILT FENCE**

**ENGINEER'S CERTIFICATE**  
Reviewed for HOWARD SCD and meets Technical Requirements.

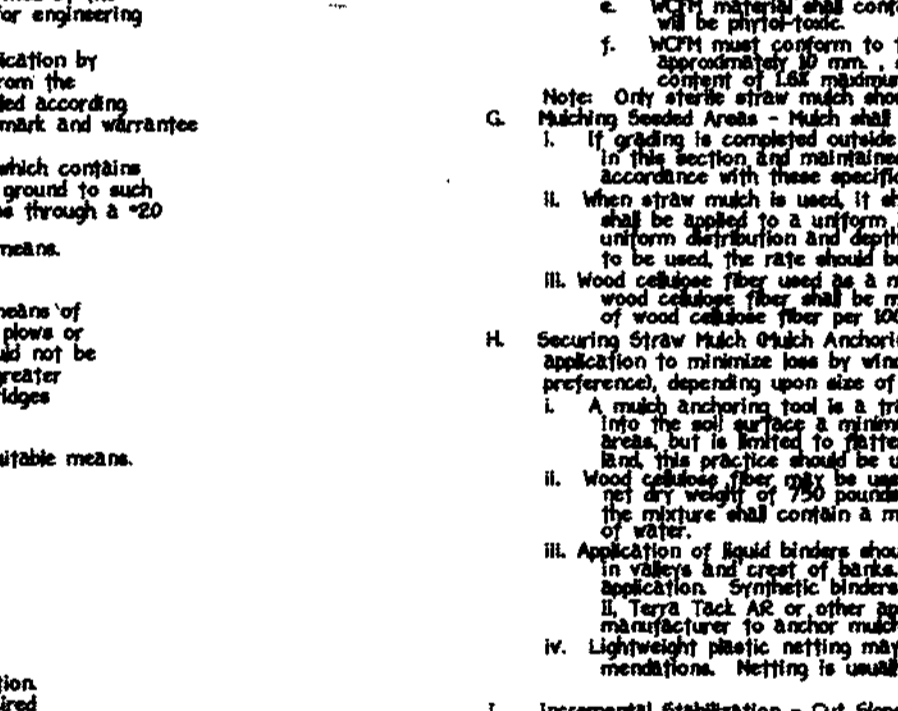
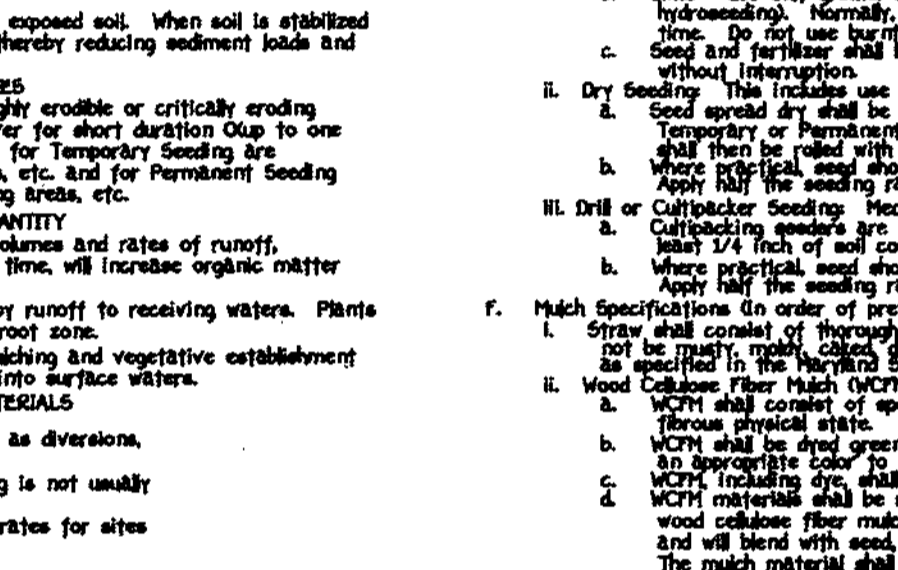
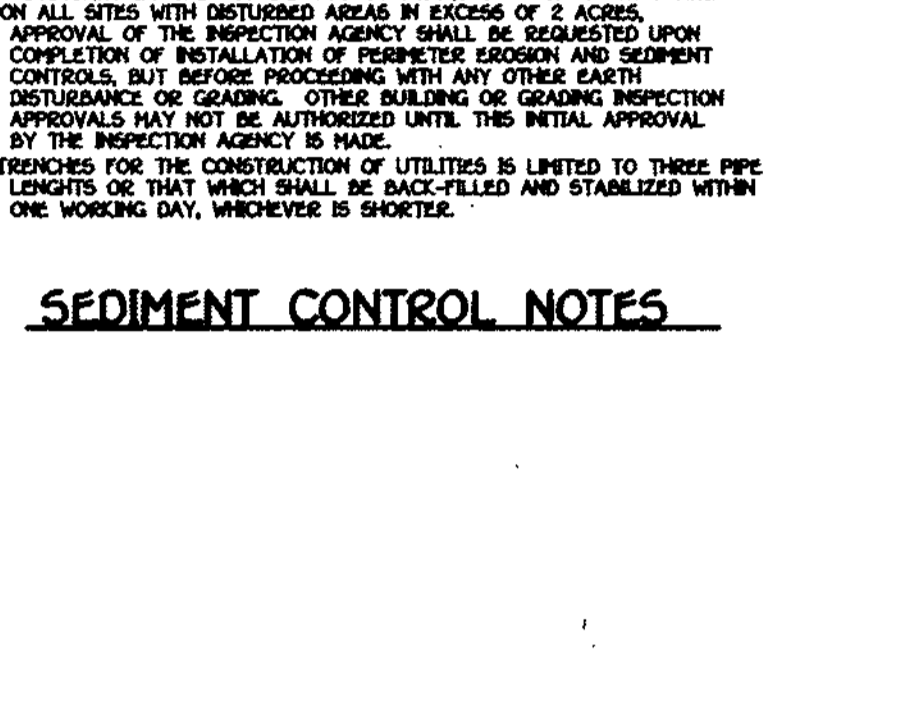
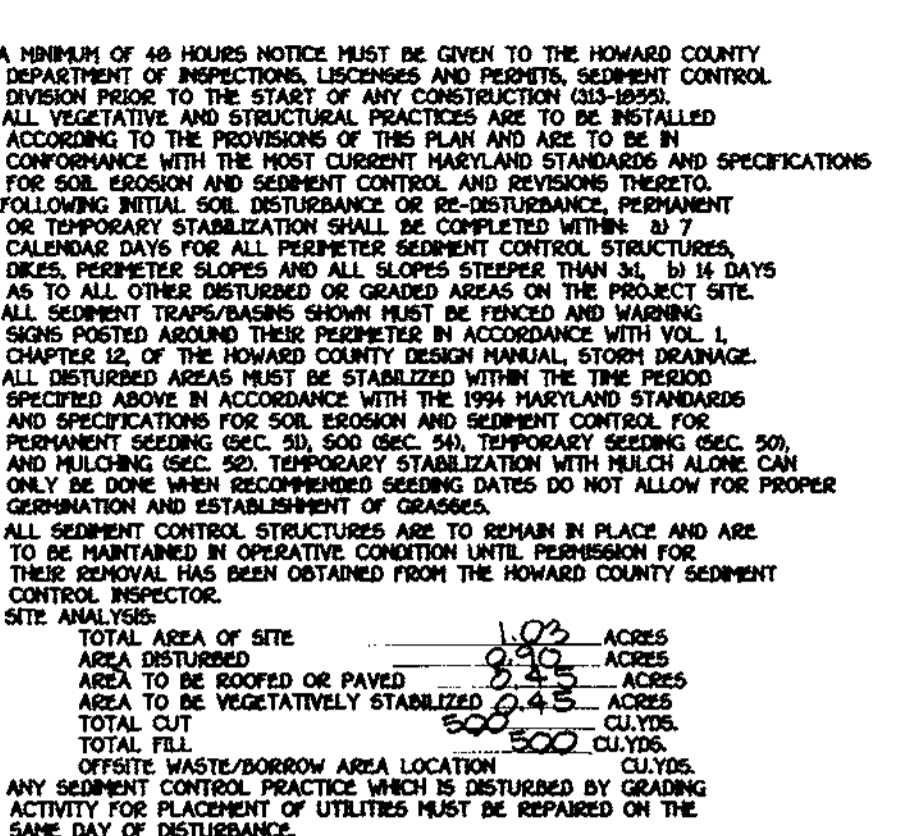
Signature *[Signature]* Date *2/16/99*

**DEVELOPER'S CERTIFICATE**  
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Signature *[Signature]* Date *2/16/99*

**OWNER**  
WAVERLY WOODS DEVELOPMENT CORPORATION  
C/O LAND DESIGN AND DEVELOPMENT, INC.  
8000 WOOD STREET  
ELLICOTT CITY, MARYLAND 21043

**DEVELOPER**  
MD-ATLANTIC REALTY TRUST  
170 WEST BOWEN ROAD, SUITE 300  
LUTHERVILLE, MARYLAND 20900



**SEDER SILT FENCE**

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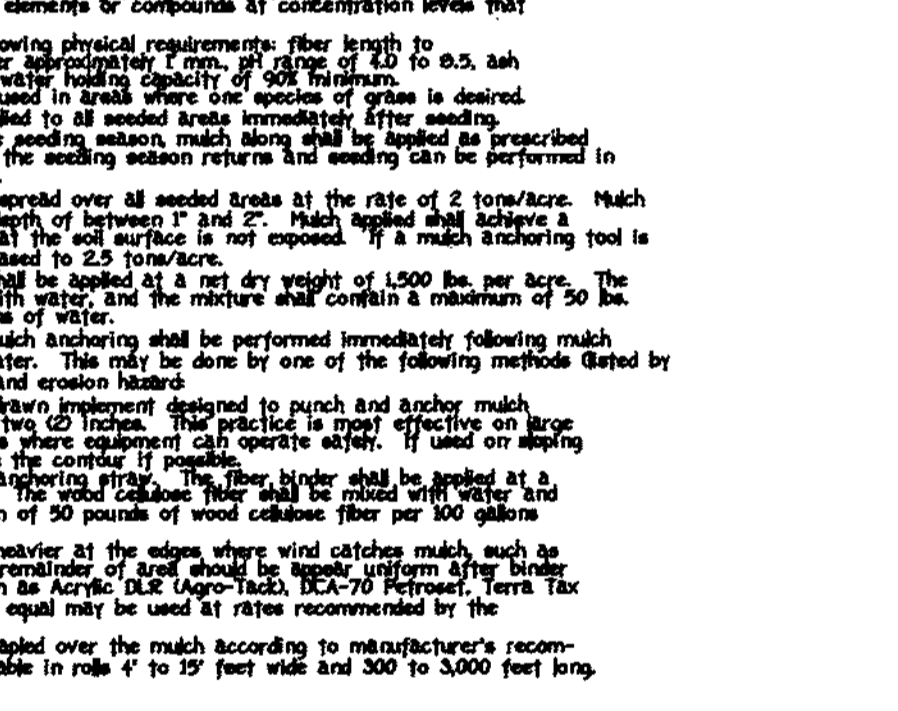
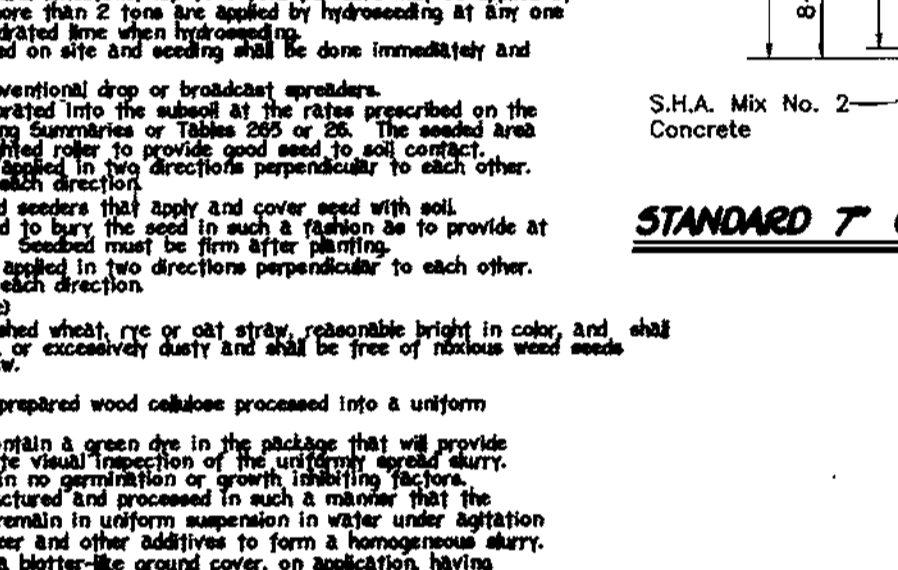
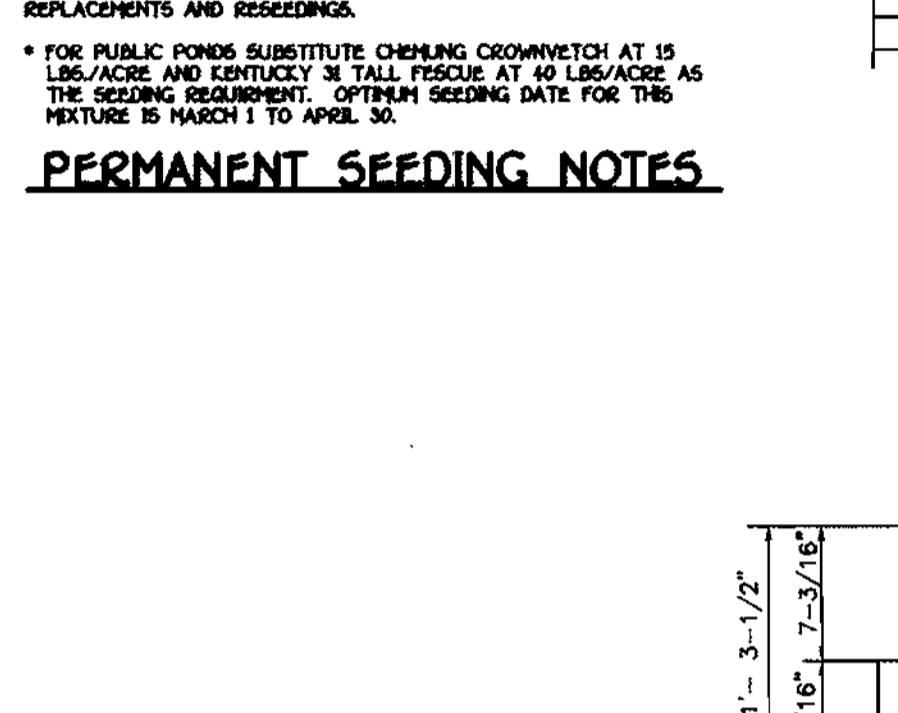
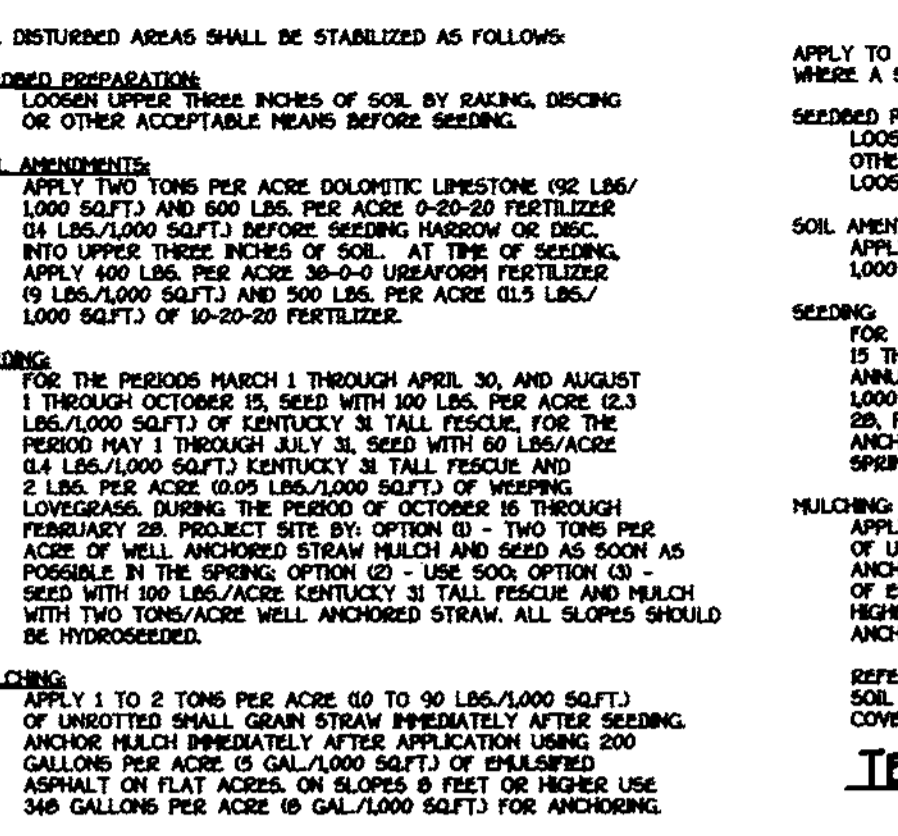
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**STANDARDS AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION**

**Incremental Stabilization - Cut Slopes**  
1. All cut slopes shall be dressed, protected, seeded and mulched as the work progresses. Slopes shall be excavated and stabilized in equal increments not to exceed 15'.  
2. Construction sequence shall be as follows:  
a. Excavate and stabilize all temporary erosion, side ditches, or berms that will be used to convey runoff from the excavation.  
b. Perform Phase 1 excavation, dress and stabilize.  
c. Perform Phase 2 excavation, dress and stabilize. Overseed Phase 1 areas as necessary.  
d. Perform final phase excavation, dress and stabilize. Overseed previously seeded areas as necessary.

**Incremental Stabilization - Fill Slopes**  
1. Embankments shall be constructed in lifts as prescribed on the plans.  
2. At the completion of each lift, the vertical height of the multiple lift reaches 15' or when the grading operation ceases as prescribed on the plans.  
3. At the top of each lift, a permanent berm and side ditch shall be constructed along the top edge of the embankment to intercept surface runoff and convey it down the slope in a non-erosive manner to the toe of the embankment.  
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**Final Stabilization**  
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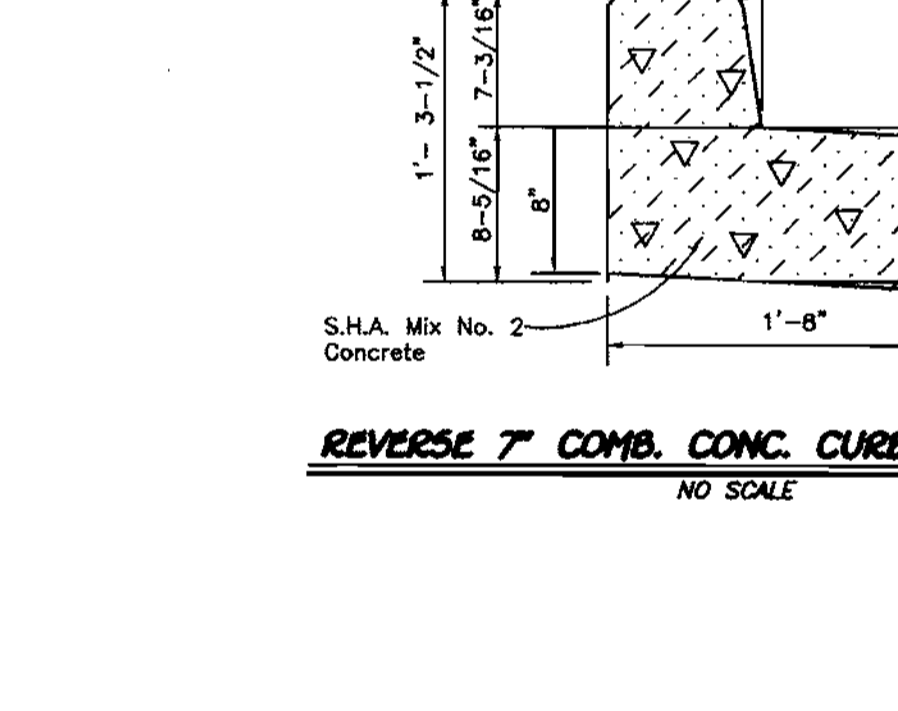
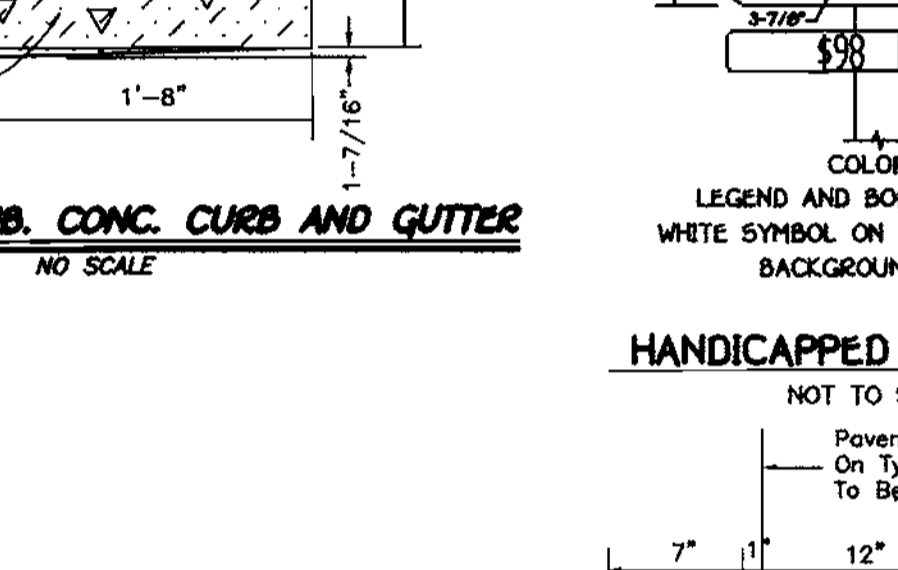
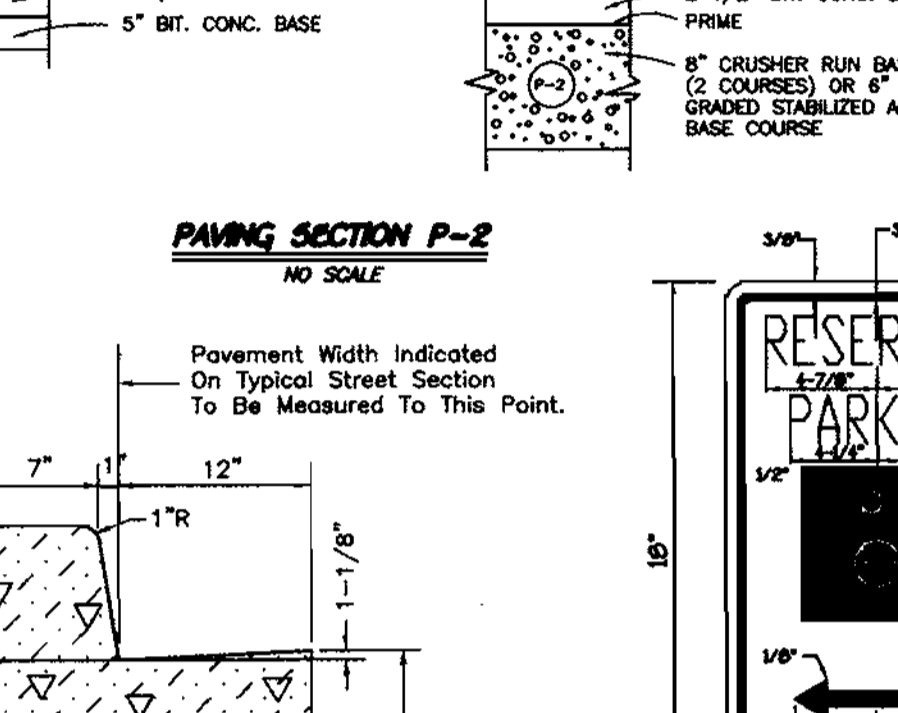
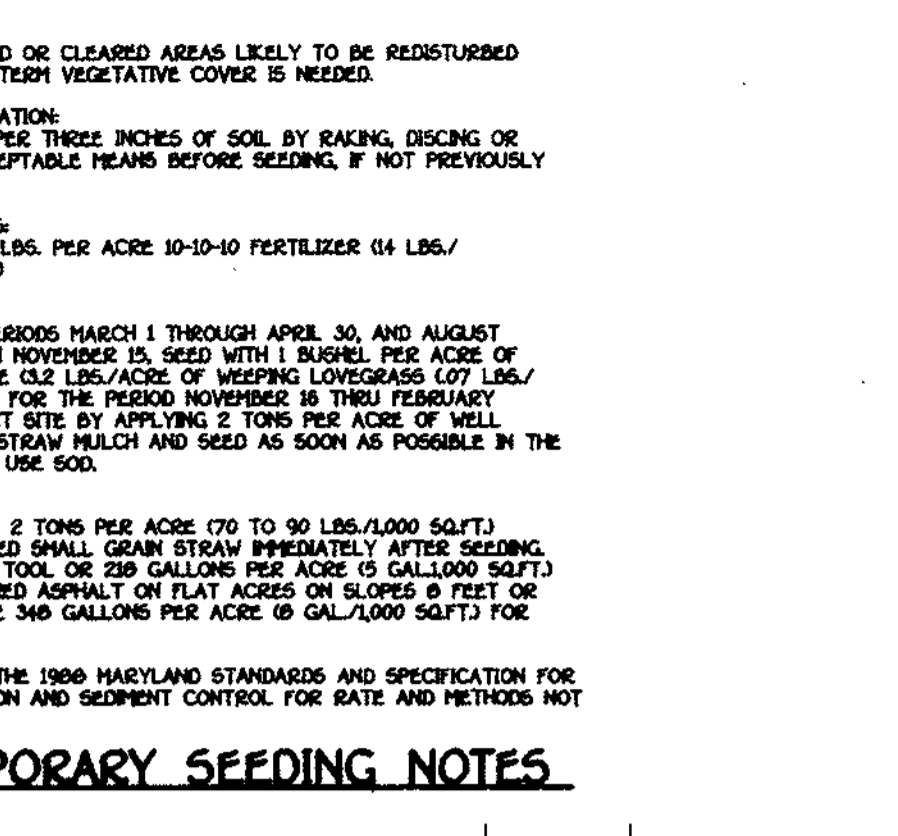
**APPROVED: DEPARTMENT OF PLANNING AND ZONING**

Signature *[Signature]* Date *3/23/99*

Signature *[Signature]* Date *2/16/99*

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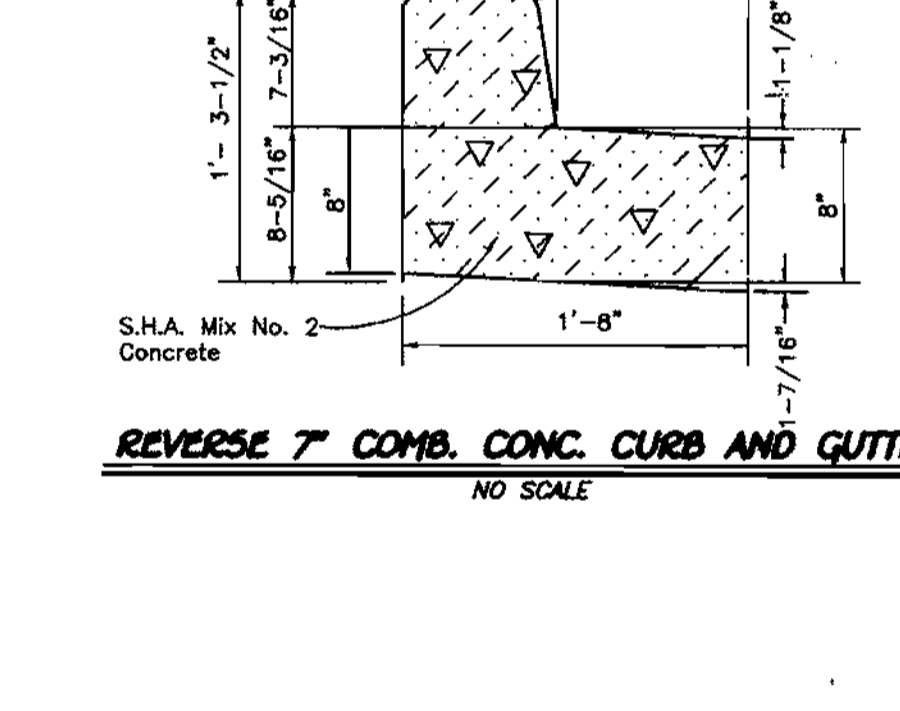
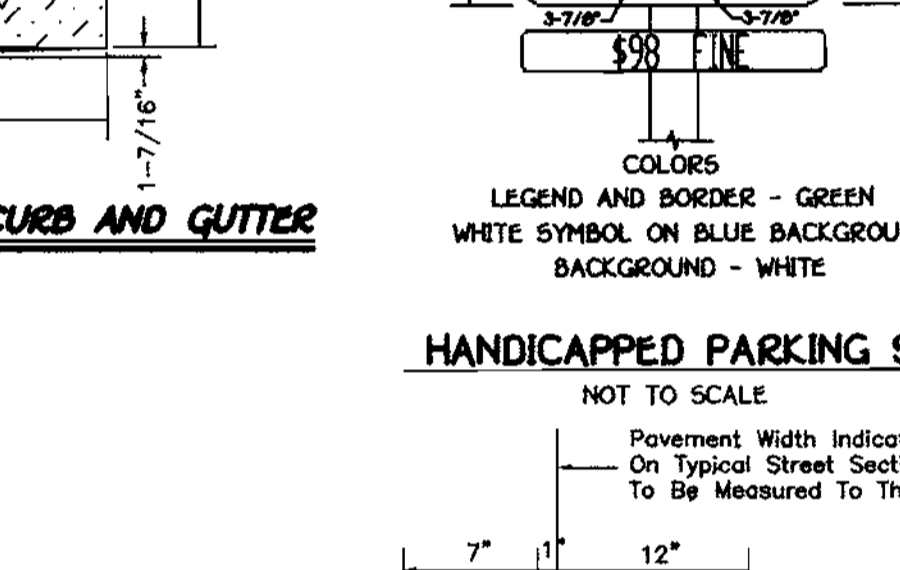
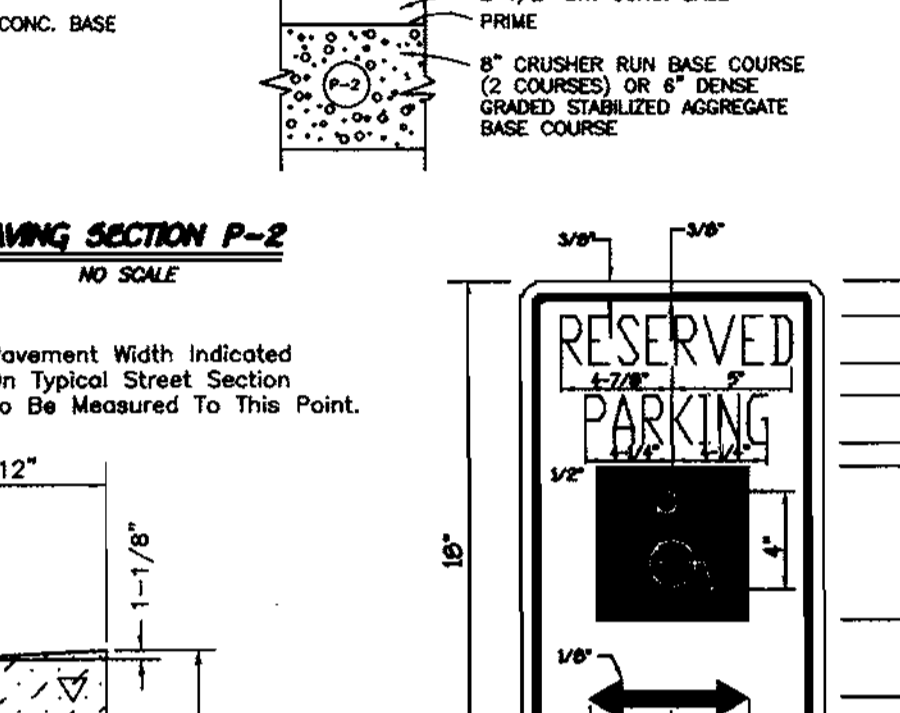
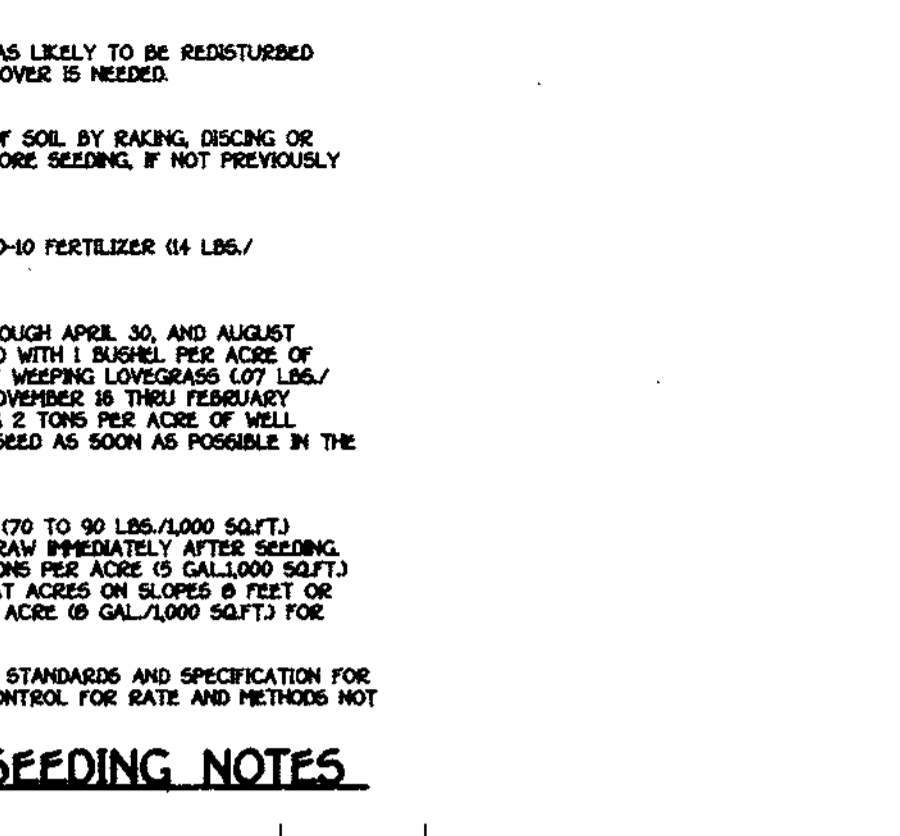
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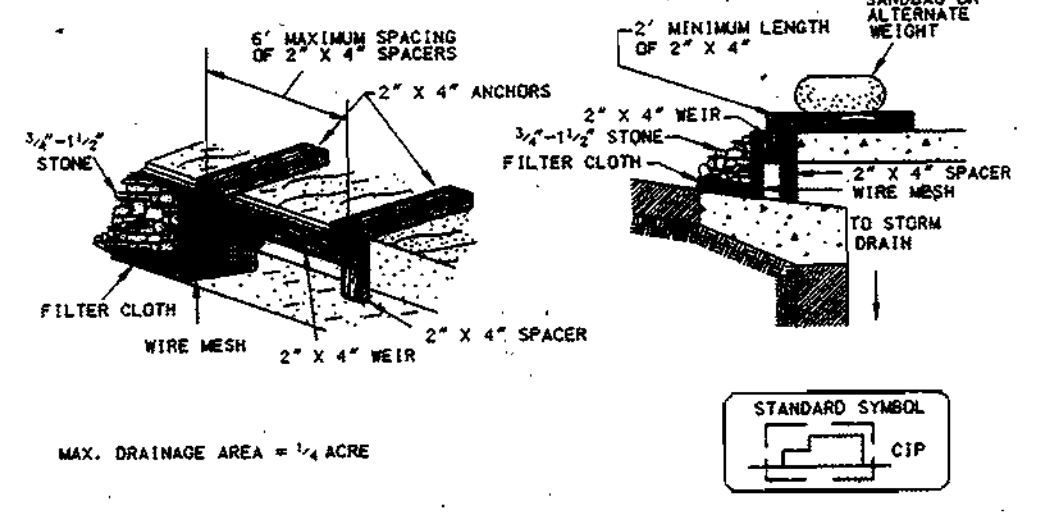
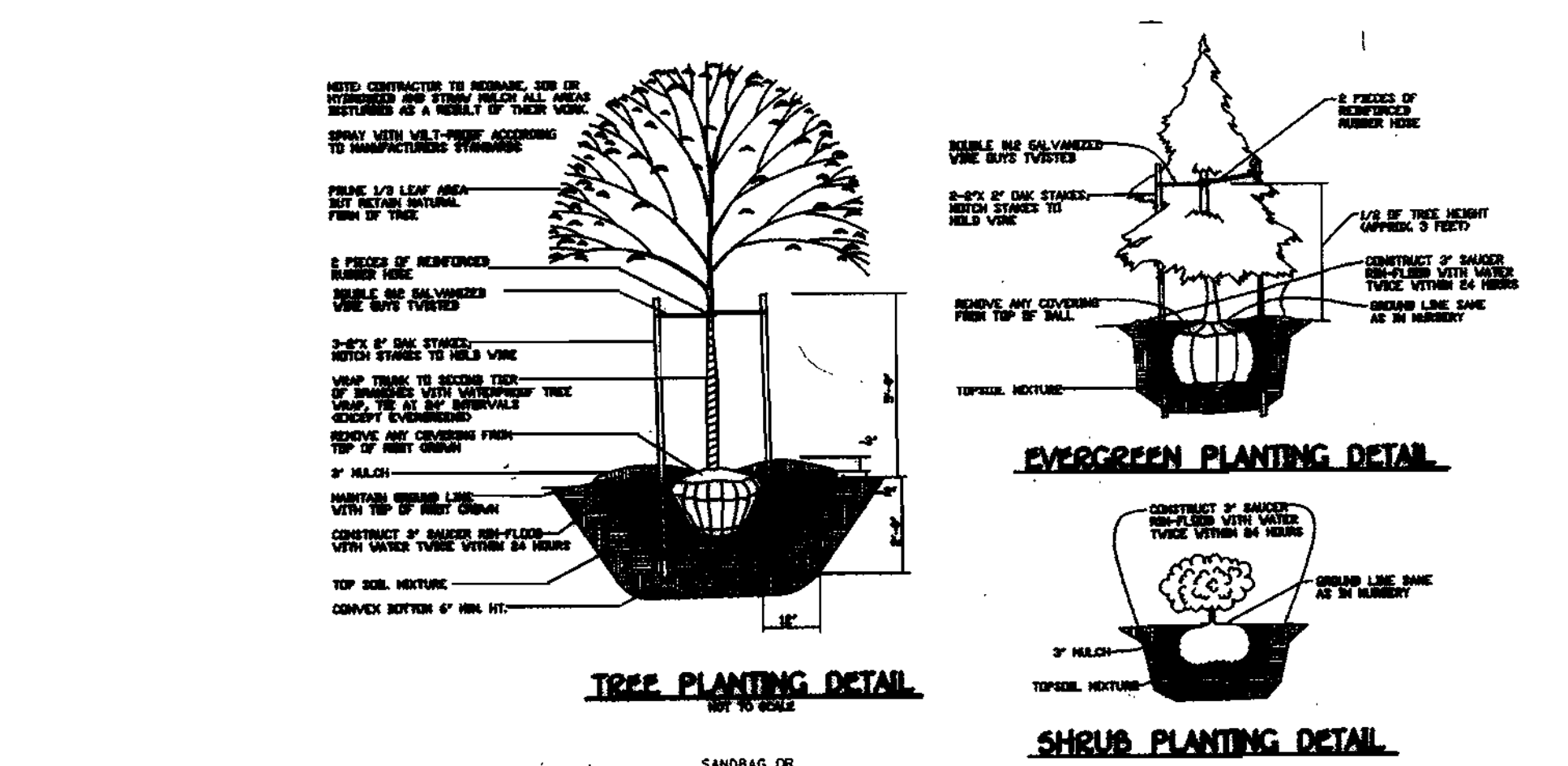
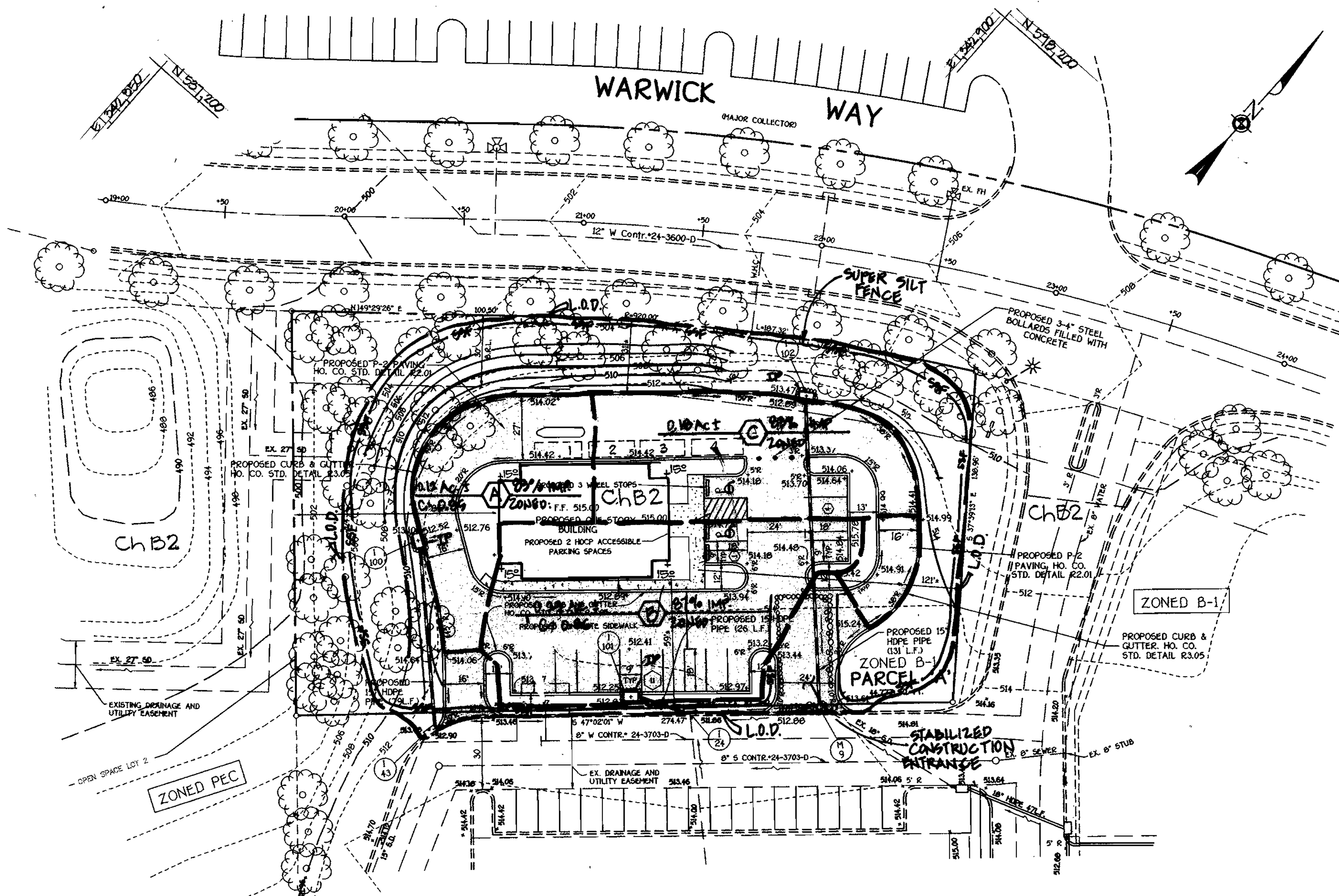
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**PLANTING SPECIFICATIONS**

Plants, related material, and operations shall meet the detailed description as given on the plan and as described herein. All plant material, unless otherwise specified, shall be nursery grown, uniformly branched, have a vigorous root system, and shall conform to the spacing, size, root and shoot system of the plant and the American Association of Nurserymen (A.A.N.) Standards. Plant material shall be healthy, vigorous, free from insect damage, fungal diseases, and acid injuries, abrasions of the bark, plant disease, insect pest eggs, borers and all forms of insect infestation or objectionable infestations. Plants that are weak or which have been cut back from larger grades to meet specified requirements shall be rejected. Trees with forked leaders will not be accepted unless plants shall be freely dug; no heated-in plants from cold storage will be accepted. Unless otherwise specified, in general conditions, planting operation, details and planting specification shall conform to "Landscape Specification Guidelines" published by the Washington Metropolitan Area Chapter of the American Society of Landscape Architects, latest edition, including all appendices. 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's attention is directed to the maintenance requirements found within the one year specifications including watering and replacement of specified plant material. Contractor shall be responsible for notifying utility companies, utility contractors and "the Utility" a minimum of 48 hours prior to beginning any work. Contractor may make minor adjustments in spacing and location of plant material to avoid conflicts with utilities. Damage to existing structure and utilities shall be repaired at the expense of the Contractor. Protection of existing vegetation to remain shall be accomplished by the temporary installation of a 6-foot high fence or black orange safety fence at the drip line. Contractor is responsible for installing all material in the proper planting season for each plant type. All planting is to be completed within the growing season of completion of site construction. It shall be based on actual site conditions. No extra payment will be made for work ordered from the conditions differing from those indicated on drawings and specifications. Plant quantities are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on plan and those shown on the plant list, the quantities on the plant list precedence. All shrubs shall be planted in continuous trenches or prepared planting beds and mulched with composted hardwood mulch as detailed and specified where noted on plans. Positive drainage shall be maintained in planting beds 2 percent slope. Planting shall be as follows: Bedrock Plants - Two parts topsoil, one part well-rotted cow or horse manure. Add 3 lbs. of standard 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 fertilizer per cubic yard of planting mix. Topsoil shall conform to the Landscape Guidelines. Weed Control: Incorporate a pre-emergent herbicide into the planting bed following recommended rates on the label. Caution: Be sure to carefully check the chemical used to assure its acceptability to the specific ground cover to be treated. All areas within construct limits disturbed during or prior to construction not designated to receive plants and mulch shall be fine graded and seeded. This plan is intended for landscape use only. See other plan sheets for more information on grading, sediment control, layout, etc.

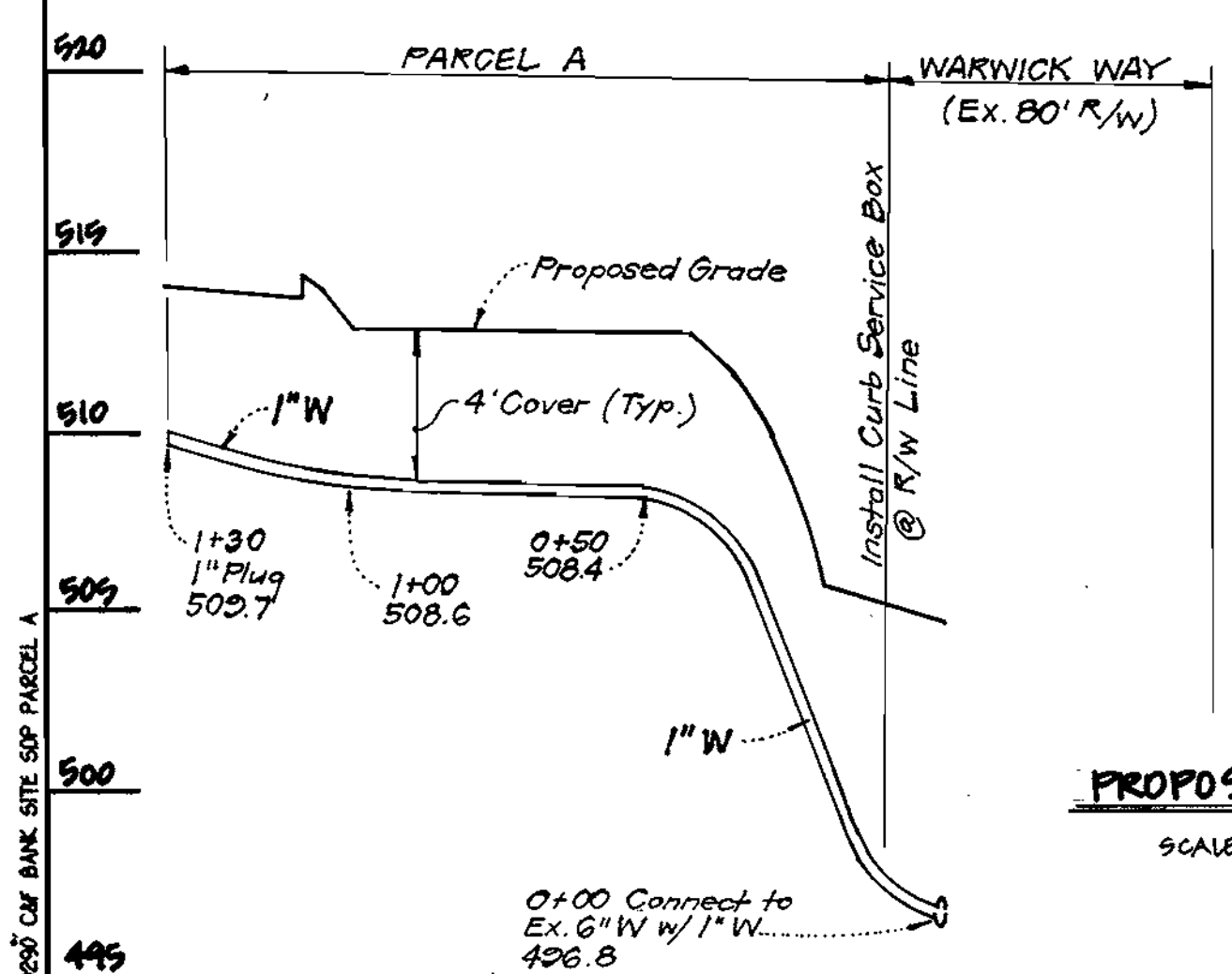
- Construction Specifications**
- Attach a continuous piece of wire mesh (30" minimum width by throat length plus 4") to the 2" x 4" weir (measuring throat length plus 2") as shown on the standard drawing.
  - Place a continuous piece of geotextile Class E the same dimensions as the wire mesh over the wire mesh and securely attach to the 2" x 4" weir.
  - Securely nail the 2" x 4" weir to a 9" long vertical spooler to be located between the weir and the inlet face (max. 4" apart).
  - Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the weir at spooler locations). These 2" x 4" spoolers shall extend across the inlet top and be held in place by sandbags or alternate weight.
  - The assembly shall be placed so that the end spoolers are a minimum 1" beyond both ends of the throat opening.
  - Form the 1/2" x 1/2" wire mesh and the geotextile fabric to the concrete gutter and stone over the face of the curb on both sides of the inlet. Place clean 1/2" x 1/2" against the face of the curb on both sides of the inlet in such a manner to prevent water from entering the inlet under or around the geotextile.
  - This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
  - Assure that storm flow does not bypass the inlet by installing a temporary earth or asphalt dike to direct the flow to the inlet.

**CURB INLET PROTECTION NOT TO SCALE TOPSOIL SPECIFICATION**

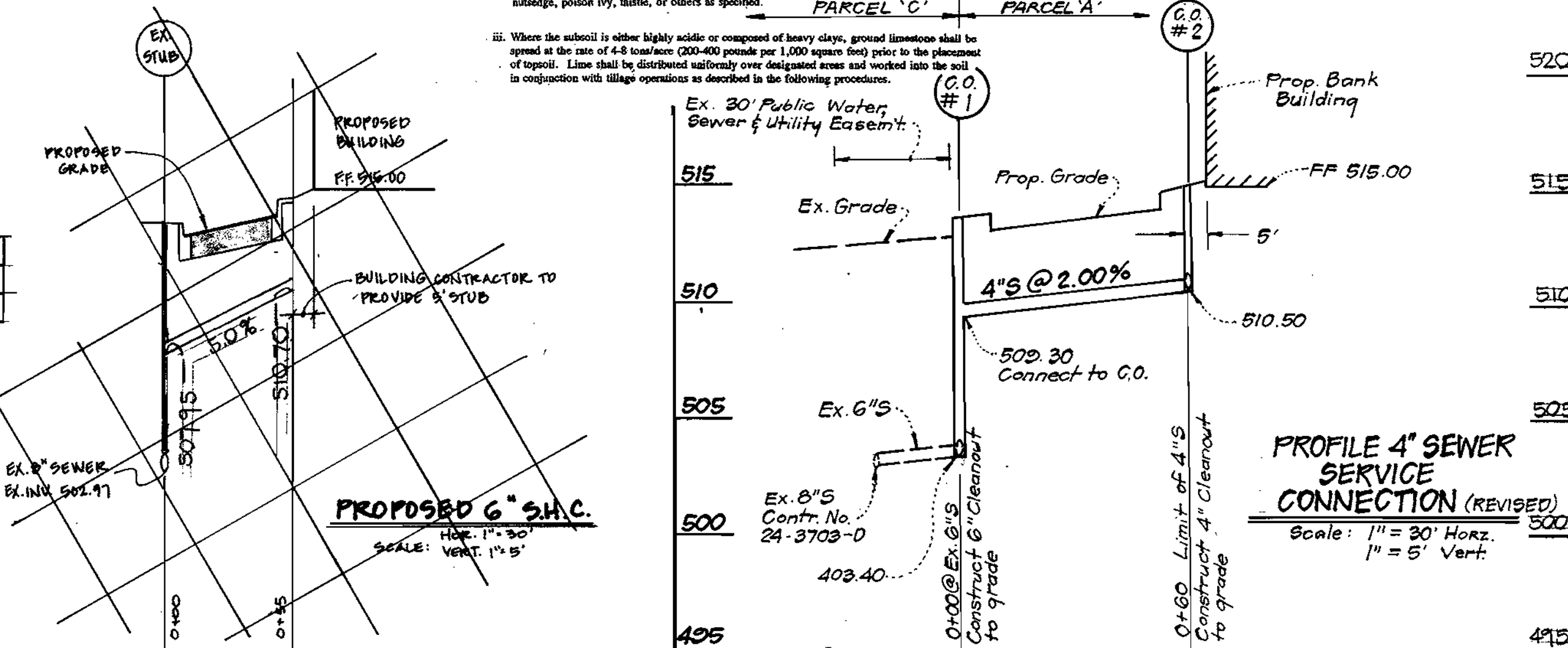
- Construction and Material Specifications**
- Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
  - Topsoil Specifications: Soil to be used as topsoil must meet the following:
    - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of clods, stones, slag, coarse fragments, gravel, sticks, roots, trees, or other materials larger than 1 1/2" in diameter.
    - Topsoil must be free of plants or plant parts such as burdock seeds, quackgrass, Johnsongrass, nutgrass, poison ivy, thistle, or others as specified.
    - When the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Limestone shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

**SOILS LEGEND**

| SOIL | NAME   | CLASS |
|------|--|-------|
| chB2 | Chester silt loam, 3 to 8 percent slopes moderately eroded | B     |



**PROFILE 1" WATER SERVICE CONN. (REVISED)**  
SCALE: HOR. 1" = 30' VERT. 1" = 5'



**PROFILE 4" SEWER SERVICE CONNECTION (REVISED)**  
SCALE: 1" = 30' Horz. 1" = 5' Vert.

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
CORONAL SQUARE OFFICE PARK - 5672 BALTIMORE NATIONAL PIKE  
ELLSWORTH CITY, MARYLAND 21042  
(410) 481-3299

| DATE   | DESCRIPTION                           | REVISION |
|--------|---------------------------------------|----------|
| 2-5-02 | Rev. W&S Profiles for Use Connections |          |

**ENGINEER'S CERTIFICATE**  
I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

*E. J. ...* 10-22-99  
Signature of Engineer (Print name below signature) Date

**DEVELOPER'S CERTIFICATE**  
I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.

*Bruce Preston* 10-22-99  
Signature of Developer (Print name below signature) Date

Reviewed by HOWARD SCD and meets Technical Requirements.  
*Don Sam ...* 2/16/00  
U.S.D.A.-Natural Resources Conservation Service Date

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.  
*Howard ...* 2/16/00  
Howard SCD Date

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MID-ATLANTIC REALTY TRUST  
170 WEST RIDGELY ROAD, SUITE 300  
LUTHERVILLE, MARYLAND 21095

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Cindy ...* 2/28/00  
Chief, Division of Land Development Date

*...* 2/16/00  
Chief, Development Engineering Division Date

*...* 2/28/00  
Director - Department of Planning and Zoning Date

PROJECT: G.T.W.'S WAVERLY WOODS SECTION/AREA: A PARCEL: A

|            |            |      |          |             |            |
|------------|------------|------|----------|-------------|------------|
| PLAT       | BLOCK NO.  | ZONE | TAX/ZONE | ELEC. DIST. | CENSUS TR. |
| 13672      | 5          | B-1  | 16       | THRD        | 6030       |
| WATER CODE | SEWER CODE |      |          |             |            |
| H-05       | 9993000    |      |          |             |            |

**SEDIMENT AND EROSION CONTROL PLAN AND DRAINAGE AREA MAP**

SOIL MAP  
G.T.W.'S WAVERLY WOODS  
SECTION 9  
PARCEL A

Tax Map No: 16 Part Of Parcel 406 Grid 10  
THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND  
SCALE: AS SHOWN DATE: SEPTEMBER 20, 1999  
SHEET 3 OF 3