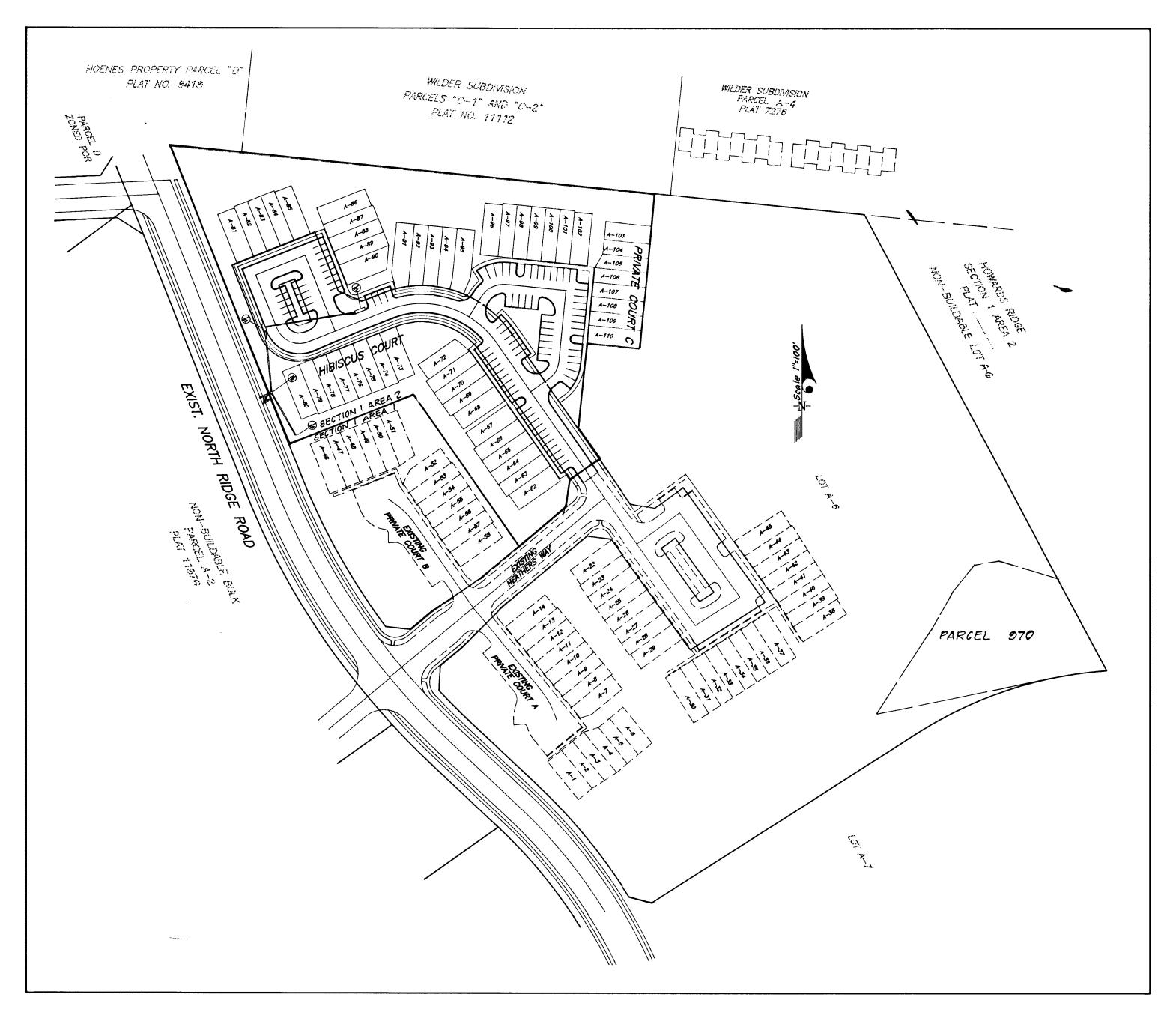
ROAD CONSTRUCTION PLANS HOWARDS RIDGE SECTION 1 AREA 2

SECOND (2nd) ELECTION DISTRICT HOWARD COUNTY, MARYLAND



SHEET INDEX		
No.	DESCRIPTION	
1	COVER SHEET	
2	PROFILES — FOR HIBISCUS COURT AND PRIVATE COURT C	
3	STORM DRAIN PROFILES AND PAVING DETAILS	
4	DRAINAGE AREA MAP	
5	SEDIMENT EROSION CONTROL AND GRADING PLAN	
6	SEDIMENT AND EROSION CONTROL AND PLANTING DETAILS	



CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 — BALTO. • (301) 621-8100 — WASH. DESIGNED SCALE

DESIGNED

Z.A.L.

DRAWN

Z.A.H.

CHECKED

COVER SHEET

HOWARDS RIDGE

SECTION 1 AREA 2

TAX MAP 24 PARCEL 848

SECOND (2nd) ELECTION DISTRICT

CHECKED

SECOND (2nd) ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

DATE

FOR: M-10 RESIDENTIAL LAND DEVELOPMENT, INC. PHONE: (410)-825-8400

1205 YORK ROAD, PENTHOUSE
LUTHERVILLE, MARYLAND 21093

PARCEL 970 WILLIAM RIDGE ROAD

VICINITY MAP

SCALE 1*=200C'

GENERAL NOTES:

- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications, if applicable.
- 2. The contractor shall notify the Department of Public Works/Bureau of Engineering, Construction Inspection Division at (410) 313-1870 at least five (5) working days prior to the start of work.
- 3. The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work.
- 4. Project Background:

 Zoning: R-A-15

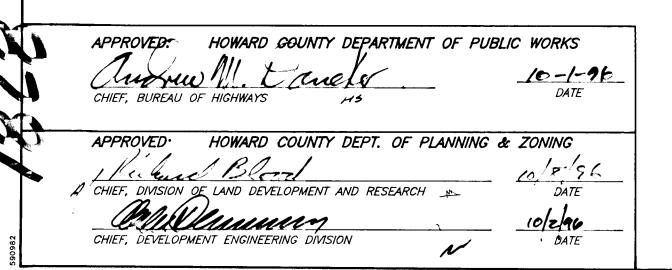
 Total Tract Area: 4.97 ac.

 Number of Proposed lots: 49 Buildable AND 2 Open
 Space
 Design Speed: 25 MPH (HIBISCUS COURT)
- 5. Date Preliminary Plan approved and DPZ Reference file#: October 12, 1995, SP-96-01.
- 6. Topography, at 2' intervals, is based on the mass grading shown per SOP-96-01 which is the same as F-96-137.
- Howard County 200 scale topographic maps.
 7. Public water and sewer is to be utilized. Contract number for F-96-01 is 14-3453, site drainage area is the
- 8. All utilities shown were compiled from available records.
- 9. Street trees in accordance with Subdivision and Land Development Regulations, Section 16.124.
- 10. A wetland study was performed by Reimer, Muegge & Associates Inc. on November, 1993 per P-95-21.
- 12. Sag and Crest Vertical Curves were designed in accordance with Howard County Design Manual Vol. III.
- 13. Trench compaction for storm drains within the road or street rights of way limits shall be in accordance with Howard County Design Manual Vol. IV, Std. No. G-2.01.
- 14. Storm Water Management is provided off-site for quality and quantity control in the Extended Detention SWM Facility approved under SDP-96-01. The SWM Facility will be privatley maintained.
- 15. See previous county files S-95-01, ZB-941, Dated 10-18-93. F-96-91, P-95-21, F-96-01, SP-96-01, F-96-137.
- 16. APFO study as previously submitted and approved under S-95-01.
- 17. Traffic study prepared for the site by the Traffic Group, Inc., Dated October 19, 1995, Per \$-95-01.
- 18. Geotechnical report by Hillis Carnes, Inc. dated 11-15-94.

 Addendum dated 5-26-95. Approved 6-23-95.
- 19. Coordinates based on NAD '83 Maryland Coordinate System as projected by Howard County Geodetic Control Stations:

No. 18G1 Elev. 408.54 No. 24C2 Elev. 354.93

- 20. Street lights will be required in this development in accordance with the Design Manual. Street light placement and the type of fixture and pole selected shall be in accordance with the latest Howard County Design Manual, Volume III (1993) and as modified by "Guidelines for Street Lights in Residential Developments (June 1993). The June 1993 policy includes guidelines for lateral and longitudinal placement. A minimum spacing of 20' shall be maintained between any street light and any tree.
- 21. All fillet radii are 5 ft. unless indicated otherwise.
- 22. Provide Handicap Ramps where shown in plan. See Howard County Std. Detail R-4.01, R-4.02, and R-4.03.



STREET LIGHT SUMMARY TABLE

LIGHT TYPE

100-WATT "TRADITIONAIRE" HPS VAPOR

FIBERGLASS POLE.

POST TOP FIXTURE ON A 14 FOOT BLACK

STATION/LOCATION

7+16, 15' RT

8+03, 15' RT

10+00, 20' RT

11+77, 18' RT

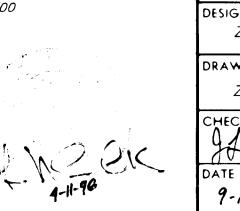
STREET NAME

HIBISCUS COURT

HIBISCUS COURT

HIBISCUS COURT

HIBISCUS COURT



1"=100'

DRAWING

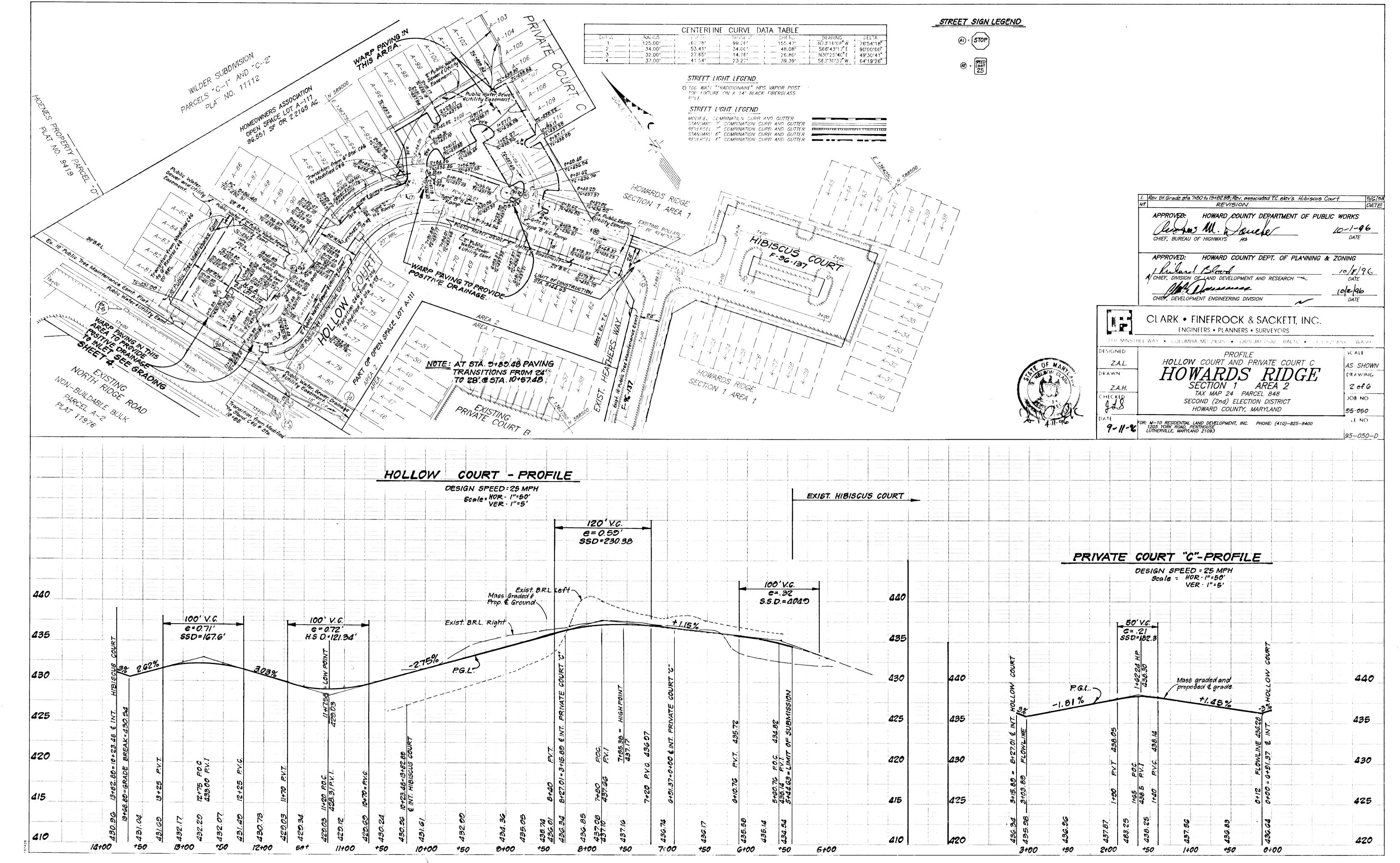
JOB NO.

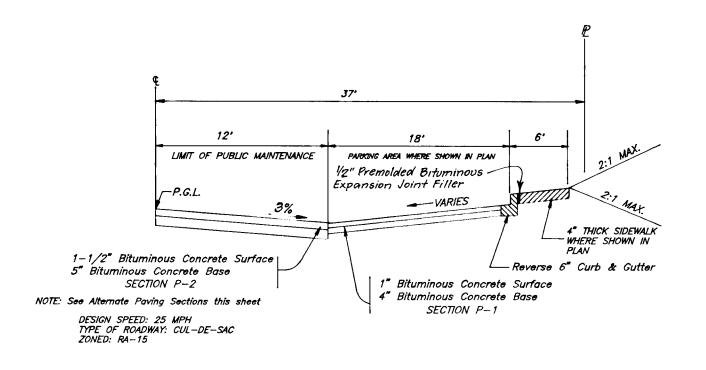
FILE NO.

95-050

95-050-D

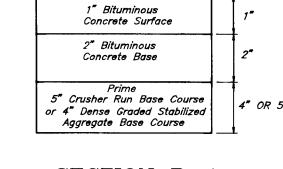
1 OF 6





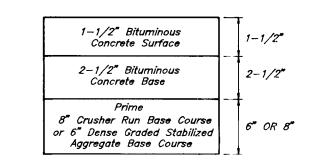
TYPICAL HALF PAVING SECTION HIBISCUS COURT AND PRIVATE COURT C NO SCALE

> STA. 5+68.37 TO STA. 8+01.35 (HIBISCUS COURT) STA. 9+28.07 TO STA. 9+72.48 (HIBISCUS COURT) STA. 0+00 TO STA. 3+15.89 (PRIVATE COURT C)

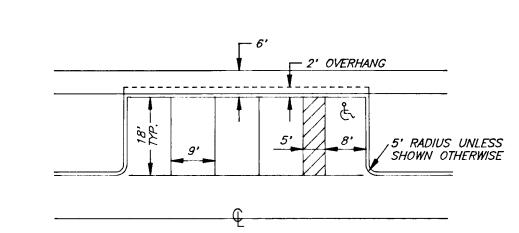


SECTION P-1 ALTERNATE PAVING SECTION FOR PARKING AREAS

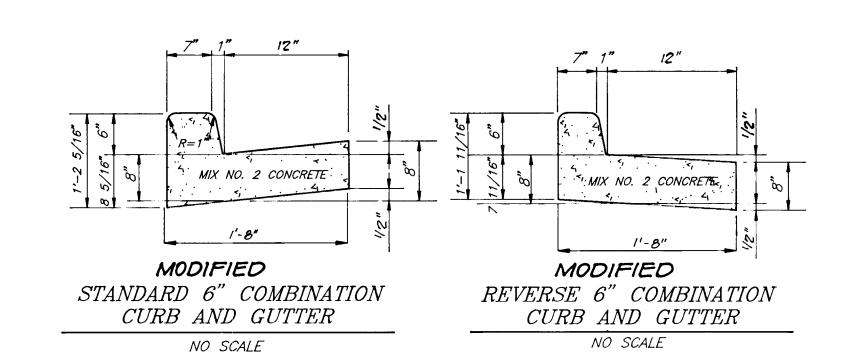
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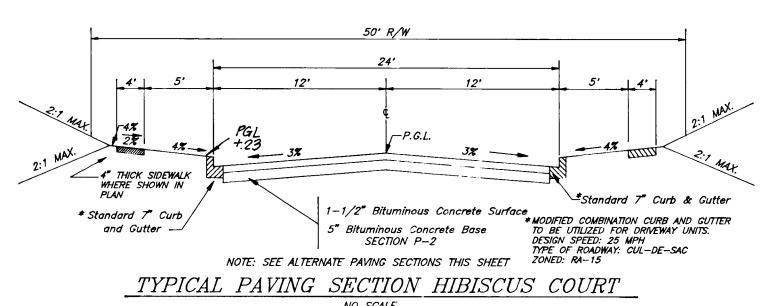


SECTION P-2 ALTERNATE PAVING SECTION FOR PUBLIC ROADS NO SCALE

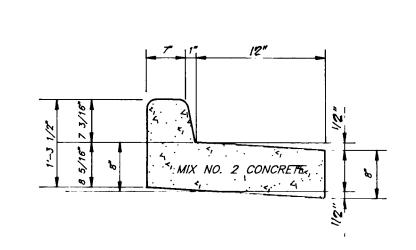


TYPICAL PARKING DETAIL NO SCALE

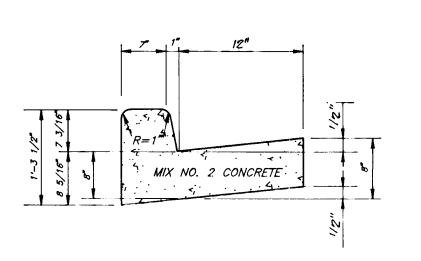




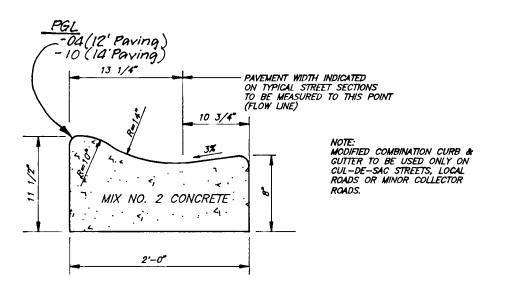
STA. 5+44.63 TO STA. 5+68.37 STA. 8+01.35 TO STA. 9+28.07



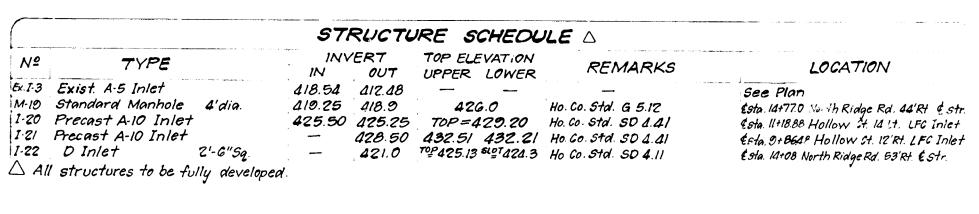
REVERSE 7" COMBINATION CURB AND GUTTER NO SCALE

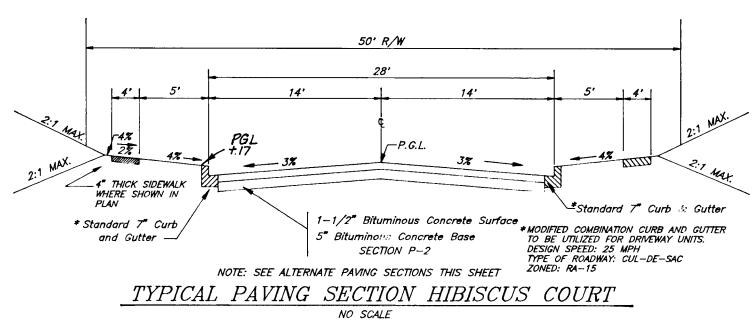


STANDARD 7" COMBINATION CURB AND GUTTER NO SCALE



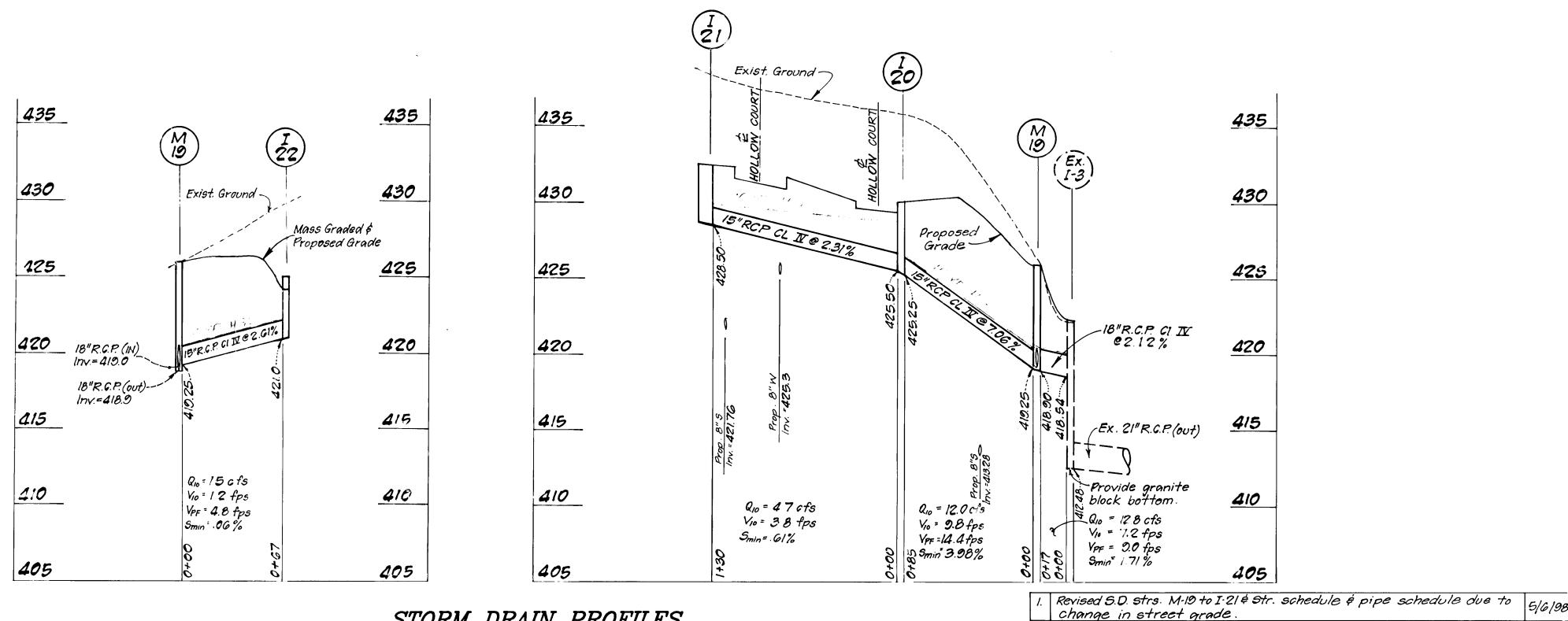
MODIFIED COMBINATION CURB AND GUTTER NO SCALE





STA. 9+72.48 TO STA. 9+89.48

STA. 9+89.48 TO STA. 11+16.89 STA. 11+71.89 TO STA. 12+45.89 STA. 13+48.89 TO STA. 13+82.88



STORM DRAIN PROFILES SCALE: HOR. 1"=50' VER. 1"=5'



CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 — BALTO. • (301) 621-8100 — WASH. STORM DRAIN PROFILES AND PAVING DETAILS SECTION 1 AREA 2 TAX MAP 24 PARCEL 848 SECOND (2nd) ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: M-10 RESIDENTIAL LAND DEVELOPMENT INC. PHONE: (410)-825-8400 1205 YORK ROAD, PENTHOUSE LUTHERVILLE, MARYLAND 210**93**

REVISION

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 10-1-96 Curren M. toterelle CHIEF, BUREAU OF HIGHWAYS 146 HOWARD COUNTY DEPT. OF PLANNING & ZONING A CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH X DATE AMO mener 10/2/96 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

6

M

3

PIPE SCHEDULE

R.G.P. CL. IV

LENGTH 282'

17'

DATE

AS SHOWN

DRAWING

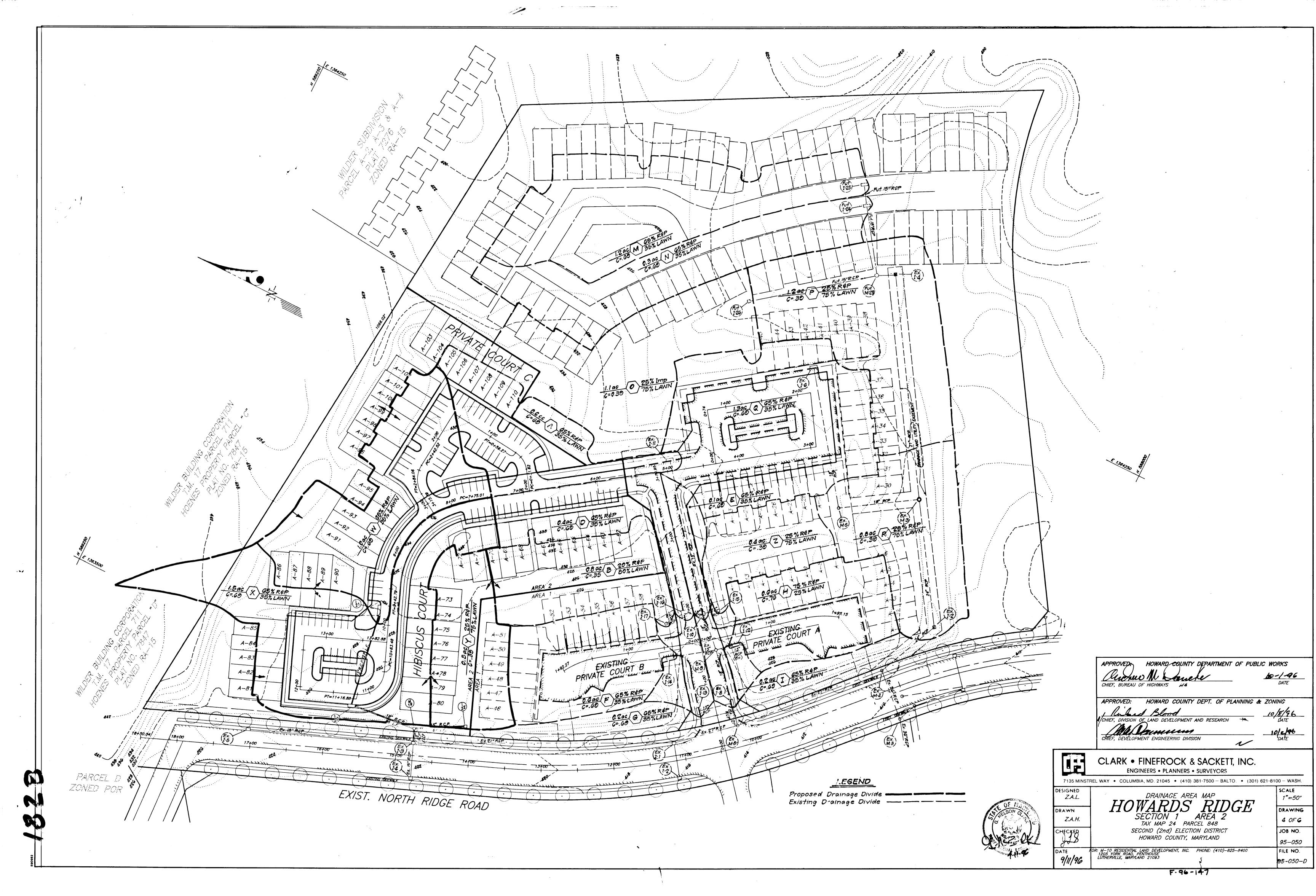
3 of 6

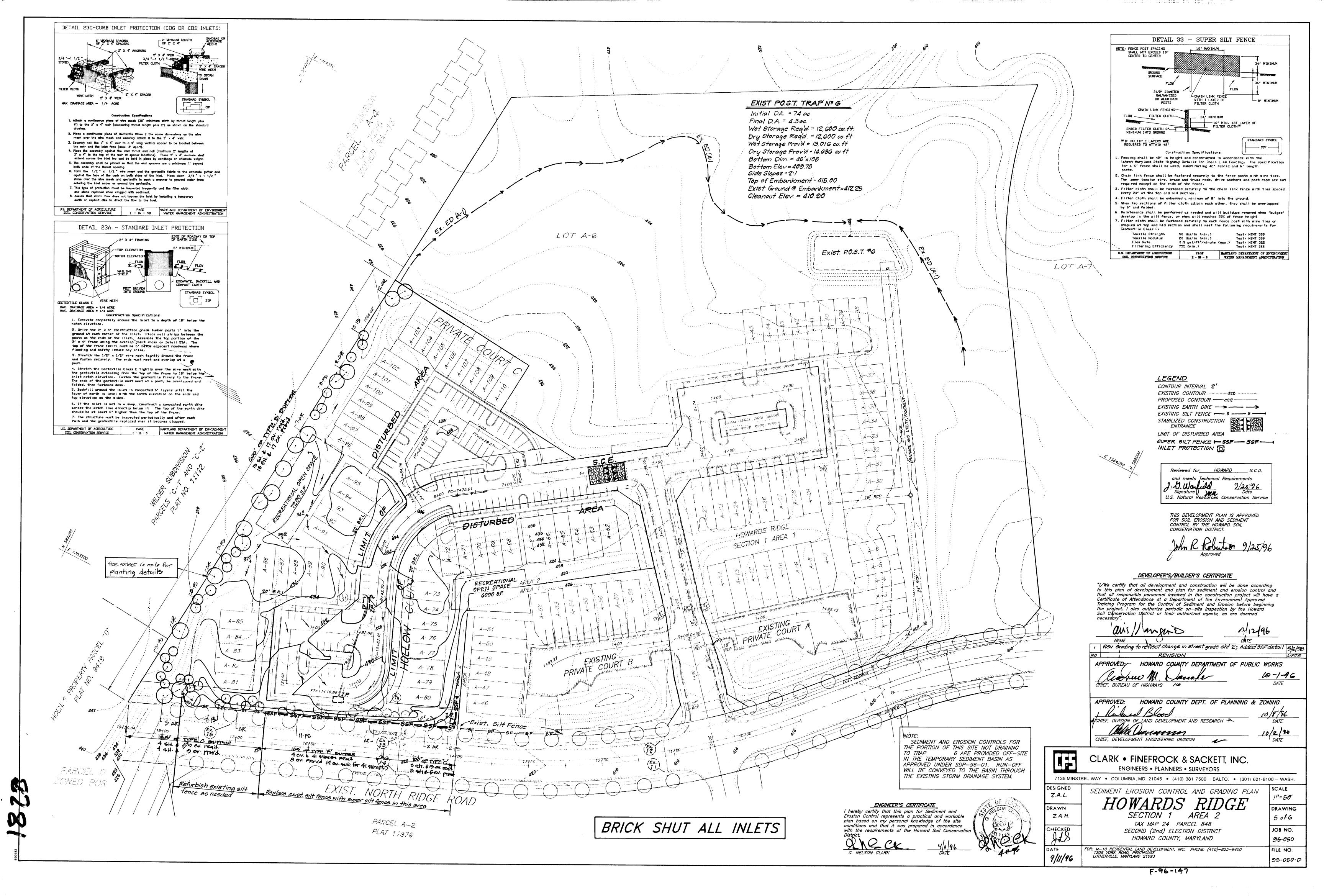
JOB NO.

FILE NO.

95-050

95-050-2





21.0 STANDARD AND SPECIFICATIONS <u>FOR</u>

TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation. <u>Purpose</u>

To provide a suitable soil medium for vegetable growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies I. This practice is limited to areas having 2:1 or flatter

n. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth

b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.

c. The original soil to be vegetated contains material toxic to plant growth.

d. The soil is so acidic that treatment with limestone is not feasible

II. For the purpose of these Standards and Specifications areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

I. 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 Experimental Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

i. 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 a 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 cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger that 1 and 1/2" in

ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.

iii. Where 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. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

II. For sites having disturbed areas under 5 acres:

V. Topsoil Application

i, Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization Section I - Vegetative Stabilization Methods and Materials.

When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.

ii. Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.

iii. Topsoil shall be uniformly distributed in a 4" -8" layer and lightly compacted to a minimum thickness of 4". Spreading shall be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.

iv. Topsoil shall not be place while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

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 three inches of soil by raking, discing or other acceptable means before seeding, if not previously

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of the following schedules:

- 1) Preferred-Apply 2 tons per acre dolomitic limestone (92 lbs/ 100 sq.ft.) and 600 lbs per acre 10-10-10 fertilizer (14 lbs./ 1000 sa.ft.) before seeding. Harrow or disc into upper three inches of soil. At the time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sa.ft.)
- 2) Acceptable-Apply 2 tons per acre dolomatic limestone (92 lbs/ 1000 sq.ft.) and apply 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 60 lbs. per acre (1.4 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (.05 lbs./1000 sq.ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored

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 gallons per acre (5 gal/1000 sa.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 reseedings.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking. discina or other acceptable means before seeding, if not previously

SOIL AMENDMENTS: Apply 600 lbs. per acre 10-10-10 fertilizer (14 lbs./1000 sa.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 1 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 sa.ft.) of unrotted small arain 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.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT

SCHEDULE A PERIMETER LANDSCAPE EDGE (64.566)						
Category	Adjacent to Roadways		Adjacent to Perimeter Properties			
Landscape Type	С	E	В			
Linear Feet of Roadway Frontage/Perimeter	285' (T.H.)	165' (PARKING)	600'			
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	_		-			
Credit for Wall, Fence or Berm (Yes, NO, Linear Feet) (Describe below if needed)	_	_	_			
Number of Plants Required Shade Trees Evergreen Trees Shrubs	7 (1/40) 14 (1/20)	4 (1/40) 4 41 (1/20)	13 17			
Number of Plants Provided Shade Trees Evergreen trees Other Trees (2:1 substitution) Shrubs (10:1 substitution) (Describe plant substitution credits below if needed)	7 14	* 8	13 17			

Comments: *4 evergreen trees are substituted for the required 41 shrubs. * A evergreen trees are included in the bond amount

SEDIMENT AND EROSTON CONTROL NOTES

1. 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. (313-1855).

> 2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1994 MARYLAND STANDARDS AND SPECS. FOR SOIL EROSION AND SEDIMENT CONTROL.

- 3. Following initial soil disturbance or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control stuctures. dikes, perimeter slopes and all slopes greater than 3:1 b) 14 days as to all other disturbed or graded areas on the
- 4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeters in accordance with Vol.1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm
- 5. All disturbed areas must be stabilized within the time period specified above, in accordance with the 1994 MARYLAND STAND—ARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51), sod (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec 52). emporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector. 7. SITE ANALYSIS:

Total Area of Site: Area to be vegetatively stabilized: _0.17 ac.
Total Cut: Total Cut: ____ Total Fill Offsite Waste/Borrow Area Location:

- 8. 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 control must be provided, if deemed neces-sary by the Howard County DPW Sediment Control Inspector. 10. 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 11. The total amount of silt fence =
 - # It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector of the site and it's grading permit number at the time of construction.

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE BERM (6" MIN.) EXISTING PAVEMENT EARTH FILL PIPE AS NECESSARY ** GEOTEXTILE CLASS 'C'-MINIMUM 6" OF 2"-3" AGGREGATE OVER LENGTH AND WIDTH OF LEXISTING GROUND PROFILE ----- + 50' MINIMUM-PLAN VIEW STANDARD SYMBOL WUSCE Construction Specification . Length — minimum of 50' (#30' for single residence lot).

2. Width - 10' minimum, should be flored at the existing rood to provide a turning

. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family

4. Stone — crushed apprepate (2" to 3") or rectained or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the

5. Surface Water - all surface water flowing to an diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe ha to be sized occording to the drainage. When the SCE is located at a high spot and has no drainoge to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6," minimum will be required.

6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance-PAGE MARYLAND DEPARTMENT OF ENVIRONMENT F = 17 = 3 WATER MANAGEMENT ADMINISTRATION U.S. DEPARTMENT OF ACRICULTURE SOIL CONSCRYATION SERVICE

DETAIL 23C - CURB INLET PROTECTION (COG OR COS INLETS) 2" X 4" WEIR-3/4"-11/2" STONE-FILTER CLOTH ---TO STORM FILTER CLOTE 2" X 4" SPACER 2" X 4" WEIR STANDARD SYMBOL MAX. DRAINAGE AREA = 1/4 ACRE Construction Specifications

. Attach a continuous piece of wire mesh (30° minimum width by throat length plus 4') to the $2'' \times 4''$ weir (measuring throat length plus 2') as shown on the standard

2. 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 9" long vertical spacer to be located between he weir and the inlet face (max. 4' apart).

I. Place the assembly against the inlet throat and nail (minimum 2' lengths of 2" x 4" to the top of the weir at spacer locations). These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight. 5. The assembly shall be placed so that the end spacers are a minimum 1' beyond both ends of the throat opening.

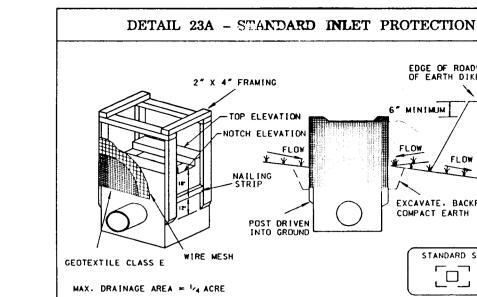
6. Form the $\frac{1}{2}$ " \times $\frac{1}{2}$ " wire mesh and the geotextile fabric to the concrete gutter and

against the face of the curb on both sides of the inlet. Place clean $\frac{3}{4}$ x $\frac{1}{2}$

stone over the wire mesh and geotextile in such a manner to prevent water from entering the inlet under or around the geotextile. 7. This type of protection must be inspected frequently and the filter cloth

and stone replaced when clagged with sediment. 8. Assure that storm flow does not bypass the inlet by installing a temporary earth or asphalt dike to direct the flow to the inlet.

MARYLAND DEPARTMENT OF ENVIRONMENT



Construction Specifications

POST DRIVEN

1. Excavate completely around the inlet to a depth of 18" below the 2. Drive the 2" x 4" construction grade lumber posts 1' into the

ground at each corner of the inlet. Place nail strips between the

posts on the ends of the inlet. Assemble the top portion of the

EDGE OF ROADWAY OR TO OF EARTH DIKE

EXCAVATE, BACKFILL AND

STANDARD SYMBOL

SIP

No of Days

6" MINIMUM

 $2" \times 4"$ frome using the overlap joint shown on Detail 23A. The top of the frome (weir) must be 6" below adjacent roadways where flooding and safety issues may arise. 3. Stretch the 1/2" x 1/2" wire mesh tightly around the frame

and fasten securely. The ends must meet and overlap at a

4. Stretch the Geotextile Class E tightly over the wire mesh with the geotixtile extending from the top of the frome to 18" below the inlet notch elevation. Fasten the geotextile firmly to the frame. The ends of the geotextile must meet at a post, be overlapped and

5. Backfill around the inlet in compacted 6" layers until the layer of earth is level with the notch elevation on the ends and top elevation on the sides.

6. If the inlet is not in a sump, construct a compacted earth dike across the ditch line directly below it. The top of the earth dike should be at least 6" higher than the top of the frame

7. The structure must be inspected periodically and after each

CONSTRUCTION SEQUENCE

Obtain a grading permit.

Install all sediment and erosion control devices and stabilize. ___

remove all sediment and erosion control devices and stabilize.

8. Obtain approval from the Sediment Control Inspector,

Construct all storm drainage structures, and block inlets.

Construct all utilities.

Construct paving, sidewalks and structures. _______60

Rough grade site. ____

7. Final grade and stabilize. ____

rain and the geotextile replaced when it becomes clagged.

MARYLAND DEPARTMENT OF ENVIRONMENT
WATER MANAGEMENT ADMINISTRATION

Howard's Ridge 1/2 Lots A-62 Through A-110

Plant Schedule

Ney 1	Quantity		SIZE	Kernarks
		Shade Trees		
AR	20	ACER RUBRUM "October Glory" October Glory Red Maple	2 1/2"-3" Cal.	B & B
FP		FRAXINUS PENN. "Marshall's" Marshall's Seedless Ash	2 1/2"-3" Cal.	8 & B
		Flowering/Evergreen Trees		
CF		CORNUS FLORIDA "Rubra" Pink Flow e ring Dogwood	8'-10' Ht.	8 & 8
PK		PRUNUS SERR. "Kwanzan" Kwanzan Cherry	8'-10' Ht.	8 & B
PT		PRUNUS X THUNDERCLOUD Purpleleaf Flowering Plum	8'-10' Ht.	8 & 8
PS	39	PINUS STROBUS White Pine	6'-8' Ht.	8 & 8
TC		TSUGA CANADENSIS Canadian Hemlock	6'-8' Ht.	8 & 8

NOTES:

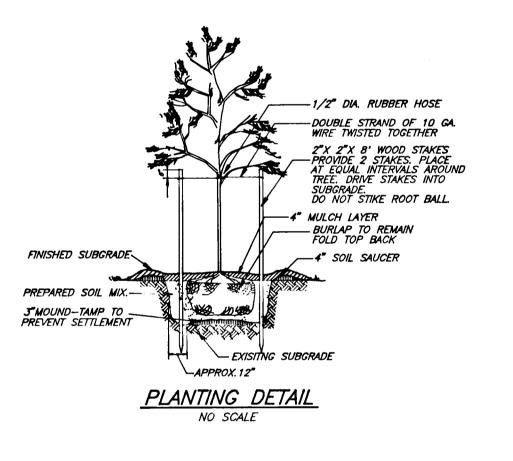
LANDSCAPING.

- 1. ALL PLANTING SHALL BE DONE IN ACCORDANCE WITH BALTO./WASH. LANDSCAPE
- SPECIFICATIONS OF L.C.A.M.W. 2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITITES PRIOR TO
- 3. FINAL LOCATION OF PLANT MATERIAL MAY VARY PER FINAL FIELD CONDITIONS.
- 4. EXISTING STREETS SHOWN ON NORTH RIDGE ROAD FROM F-96.01. 9. PERIMETER LANDSCAPE EDGE & STREET TREES ARE PLANTED PER THIS PLAN SEE SOP & - 132 FOR PARKING LOT & RESIDENTIAL

BONDING NOTE:

THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.

FINANCIAL SURETY FOR THE PERIMETER TREES IN SCHEDULE A IN THE AMOUNT OF \$5900.00 SHALL BE PART OF THE DEVELOPERS AGRLEMENT.



STREET TREE PLANT LIST (5ht. 2 of 6)								
KEY	QNTY.	PLANT NAME	SIZE	REMARKS				
\odot	27	ACER RUBRUM "Red Sunset" Red Sunset Maple	2 1/2" CAL	B & B				

STREET TREE TABULATION (Bond as part of the final construction cost estimate)

- 1. HIBISCUS COURT
- A. 1101 LF OF RIGHT-OF-WAY NOT LINED WITH PARKING B. 27 TREES REQUIRED (1 TREE/ 40 LF)
- C. 27 TREES PROVIDED

ENGINEER'S CERTIFICATE I hereby certify that this plan for Sediment and Erosion Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance



10-1-06 HIEF. BUREAU OF HIGHWAYS HOWARD COUNTY DEPT. OF PLANNING & ZONING CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH 🦯 Will Donners CHIEF, DEVELOPMENT ENGINEERING DIVISION

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Reviewed for HOWARD S.C.D. and meets Technical Requirements) D. Warlied 7 Signature VIII J.S. Natural Resolutces Conservation Service

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

DEVELOPER'S /BUILDER'S CERTIFICATE

"I/We certify that all development and construction will be done according to this plan of development and plan for sediment and erosion control 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 or their authorized agents, as are deemed

necessary.

BANG 11 AM SHALL

with the requirements of the Howard Soil Conservation

7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (410) 381-7500 - BALTO • (301) 621-8100 - WASH DESIGNED SEDIMENT EROSION CONTROL & PLANTING DETAILS Z.A.L DRAWING DRAWN SECTION 1 AREA 2 G of G Z.A.H TAX MAP 24 PARCEL 848 JOB NO. SECOND (2nd) ELECTION DISTRICT HOWARD COUNTY, MARYLAND 95-050 ": M-10 RESIDENTIAL LAND DEVELOPMENT, INC. PHONE: (410)-825-8400 1205 YORK ROAD, PENTHOUSE LUTHERVILLE, MARYLAND 21093 FILE NO. 95-050-D

F-96-147