## SHEET INDEX SHEET DESCRIPTION 1 TITLE SHEET 2 MASS GRADING PLAN & SEDIMENT CONTROL PLAN 3 MASS GRADING PLAN & DRAINAGE AREA MAP 4 SEDIMENT CONTROL NOTES AND DETAILS

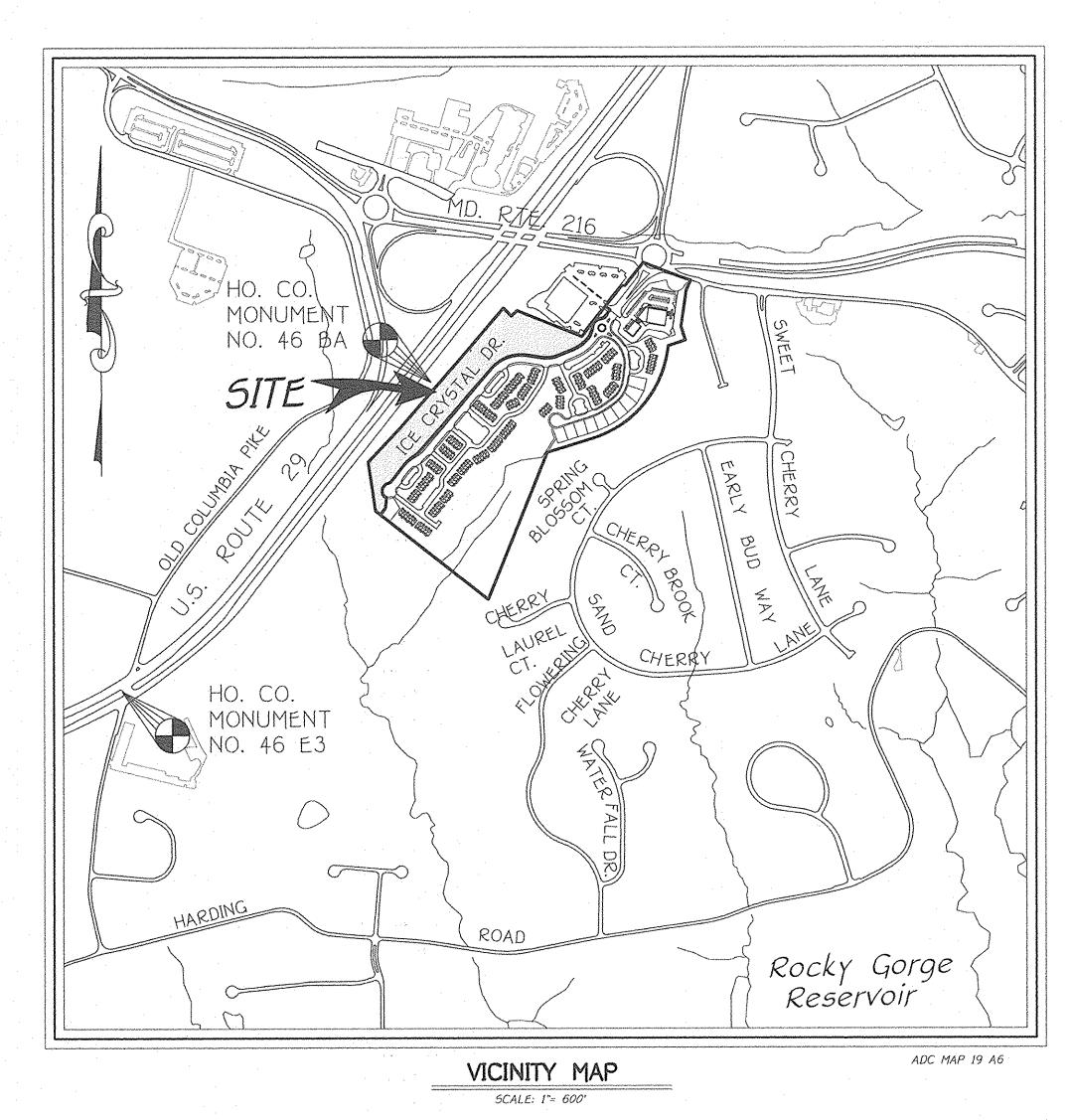
### MASS GRADING PLAN

## CHERRYTREE PARK

BULK PARCEL 'B'

ZONED: MXD-6

TAX MAP No. 46 GRID No. 4 PARCEL No. 156



SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

| NORTH | EAST | 1515 | 538015.87 | 1340330.43 | 1514 | 538006.82 | 1340338.35 | 1513 | 537963.27 | 1340379.32 | 1512 | 537997.40 | 1340415.82 | 1511 | 537831.46 | 1340820.03 | 1510 | 538019.92 | 1340969.96 | 6423 | 537956.555173 | 1340998.095756 | 6518 | 537959.515065 | 1340968.456469 | 6517 | 537844.671634 | 1340940.854825 | 6498 | 537885.402130 | 1340882.703945 | 6496 | 537885.402130 | 1340882.703945 | 6497 | 537871.882398 | 1340882.703945 | 6496 | 537829.638307 | 1340864.496246 | 6374 | 537752.566727 | 1340762.339694 | 6354 | 537712.566727 | 1340762.339694 | 6347 | 537704.21 | 1340568.44 | 6343 | 537718.59 | 1340480.38 | 6329 | 537637.17 | 1340252.54 | 2901 | 537493.264029 | 1340125.688609 | 2903 | 537287.147356 | 1339944.003752 | 6297 | 537128.268173 | 1339963.957140 | 6292 | 537092.227719 | 1339761.623317 | 6285 | 537033.969852 | 1339697.002565 | 6277 | 536933.365002 | 1339618.000052 | 6279 | 536726.802742 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6479 | 536768.431796 | 1339587.210309 | 6478 | 536768.431796 | 1339587.210309 | 6478 | 536768.431796 | 1339587.315410 | 1518 | 537278.041809 | 1339685.836932 | 2902 | 537615.343812 | 1339983.154438 | 2902 | 537615.343812 | 1339983.154438 |

Coordinate Table

#### General Notes

- 1. SUBJECT PROPERTY ZONED MXD-6 PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND THE COMP LITE ZONING REGULATION AMENDMENTS EFFECTIVE ON 7/28/06,
- ZB CASE NO. 973M SIGNED ON 10/28/98 AND
  ZB CASE NO. 1042M SIGNED BY THE ZONING BOARD ON 1/25/06.

  "THIS PLAN IS INTENDED TO SATISFY BOTH THE REQUIREMENTS OF SECTION 127.E OF THE HOWARD COUNTY ZONING REGULATIONS FOR AN AMENDED COMPREHENSIVE SKETCH PLAN AND DEVELOPMENT CRITERIA, AND SIMULTANEOUSLY, THE REQUIREMENTS OF SECTION 16.145 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS FOR A SUBDIVISION PRELIMINARY EQUIVALENT
- 2. ALL CONSTRUCTION SHALL BE ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- 3. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST FIVE WORKING DAYS PRIOR TO START OF WORK.
- 4. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY DIGGING AND EXCAVATION WORK.
- 5. SITE DATA:
- A. TOTAL PROJECT AREA: 41.078 AC. B: AREA OF PLAN SUBMISSION: 7.99 AC.
- C. AREA OF PEAN GOBINGSIGNATION: 7.59 AC.
  D. PRESENT ZONING DESIGNATION: MXD-6
- 6. EXISTING TOPOGRAPHY AND FEATURES WERE DERIVED FROM SURVEY BY FISHER, COLLINS AND CARTER INC. AND HARFORD AERIAL SURVEYS INC. DATED
- 7. THE PROPERTY IS WITHIN THE METROPOLITAN DISTRICT.
- 6. PREVIOUS HOWARD COUNTY FILES: PRELIMINARY DEVELOPMENT PLAN ZB-1042M, ZB 973M, SP-00-08, PB-347, F-03-44, F-02-108 F-01-114, F-03-153, F-04-101, F-04-112, SDP-02-111, SDP-03-52, SDP-04-02, SDP-05-22, WP-05-76 & SP-06-017
- . THE APFO/TRAFFIC STUDY PREPARED BY THE TRAFFIC GROUP, INC. DATED JULY, 2000 AS PART OF SP-00-08 AND AMENDED UNDER SP-06-017.
- 10. THE FOREST STAND DELINEATION, FOREST CONSERVATION AND WETLANDS ANALYSIS PREPARED BY McCARTHY AND ASSOCIATES, INC. DATED JULY, 2000 AS PART OF SP-00-08.
- 11. LANDSCAPING TREES AND STREET TREES WILL BE SHOWN ON THE FINAL SITE DEVELOPMENT PLAN.
- 12. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED WETLAND AND STREAM BUFFERS OR FOREST CONSERVATION EASEMENTS.
- 13. THE HORIZONTAL AND VERTICAL DATUM SHOWN ARE BASED ON THE FOLLOWING NAD'83 HOWARD COUNTY CONTROL STATIONS:

  46E3 N 535,610.715

E 1,337,927.633 468A N 537,545.840 E 1,339,849.050

- 14. STORMWATER MANAGEMENT FOR THE OVERALL CHERRYTREE PARK PROJECT IS PROVIDED BY A COMBINATION OF FOUR SWM FACILITIES. TWO EXTENDED DETENTION WET PONDS BUILT UNDER F-01-114 AS FACILITIES NO. 1 AND NO. 2. AN UNDERGROUND SWM FACILITY NO. 4 BUILT AS PART OF SDP-05-22. FOR THIS FINAL PHASE, SWM FACILITY WILL BE CONSTRUCTED UNDERGROUND WITH WATER QUALITY PROVIDED BY A STORMCEPTOR.
- 15. THERE ARE NO HISTORIC STRUCTURES OR CEMETERIES LOCATED ON THE SUBJECT PROPERTY.
- 16. THE FOREST CONSERVATION EASEMENT(S) HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, EXCEPT AS SHOWN ON AN APPROVED ROAD CONSTRUCTION DRAWING OR SITE DEVELOPMENT PLAN. HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED. THE FOREST CONSERVATION REQUIREMENTS FOR THE ENTIRE SITE WERE MET BY PROVIDING 4.62 ACRES OF ON-SITE RETENTION AND 5.89 ACRES OF OFF-SITE AFFORESTATION PLANTING ON OPEN SPACE LOTS 6 AND 129 OF THE ASHLEIGH KNOLLS SUBDIVISION UNDER F-02-108. THE TOTAL FOREST CONSERVATION OBLIGATION FOR THE CHERRYTREE PARK PROJECT WAS 10.18 ACRES. THE SURETY AMOUNT FOR THIS PROJECT WAS \$168,533.40 UNDER F-01-114.
- 17. PUBLIC WATER AND SEWER TO BE UTILIZED (CONT. NO. 24-4000-D).

PURPOSE NOTE: THE PURPOSE OF THIS PLAN IS TO MASS GRADE BULK PARCEL 'B' IN PREPARATION OF FUTURE BUILDING CONSTRUCTION.

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

8.8
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLICOTT CITY, MARYLAND 21042
(410) 461 - 2855

STREET ADDRESS CHART

DATE

OT\ PARCEL No. | STREET ADDRESS
BULK PARCEL 'B' | 0460 ICE CRYSTAL DRIVE

"I certificate this plan for erosion and sediment control represents a practical and workable plan based on an increasing Englished of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."    Auto7   Date   Developer's Certificate   D
"I/We certify that all development and construction will be done according to this plan, for sediment and erosion control 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)  NICHOLAS F. LIPARINI

Reviewed for HOWARD SCD and meets T	5/15/07
U.S.D.ANatural Resources JMA Conservation Service	Dâțe
This development plan is approved for sthe HOWARD BOWN GONSTRVATION DISTR  HOWARD SCD	
OWNER	R/DEVELOPER
8835-P C	CRYSTAL, L.L.C. COLUMBIA 100 PKWY. A, MARYLAND 21045

(410) 730-0810 ATTN: MR. JOHN LIPARINI

APPROVED: DEPA	ARTMENT OF P	LANNING	AND	ZONING				,	
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Chief, Division o	Marie de la company de la comp					ge G	te/1489		
Chief, Developme	ent Engineerin	g Divisio	یے ۱		<del></del>	Da	ite		
hand Lieght						5/22/05			
Director - Department of Planning and Zoning						Date 🚜			
PROJECT				SECTION/AREA			LOT NO.		
CHERRYTREE PARK				PHAS	E 3	BULK PARCEL 'B'			
PLAT NO.	BLOCK NO.	ZONE		TAX	ELEC.	DIST.	CENSUS TR	<u></u> .	
15449 - 15454, 17107 - 17112	4	MXD-6		46	6TH		6068.02		
WATER CODE				VER CODE					

MASS GRADING PLAN
CHERRYTREE PARK

BULK PARCEL 'B'

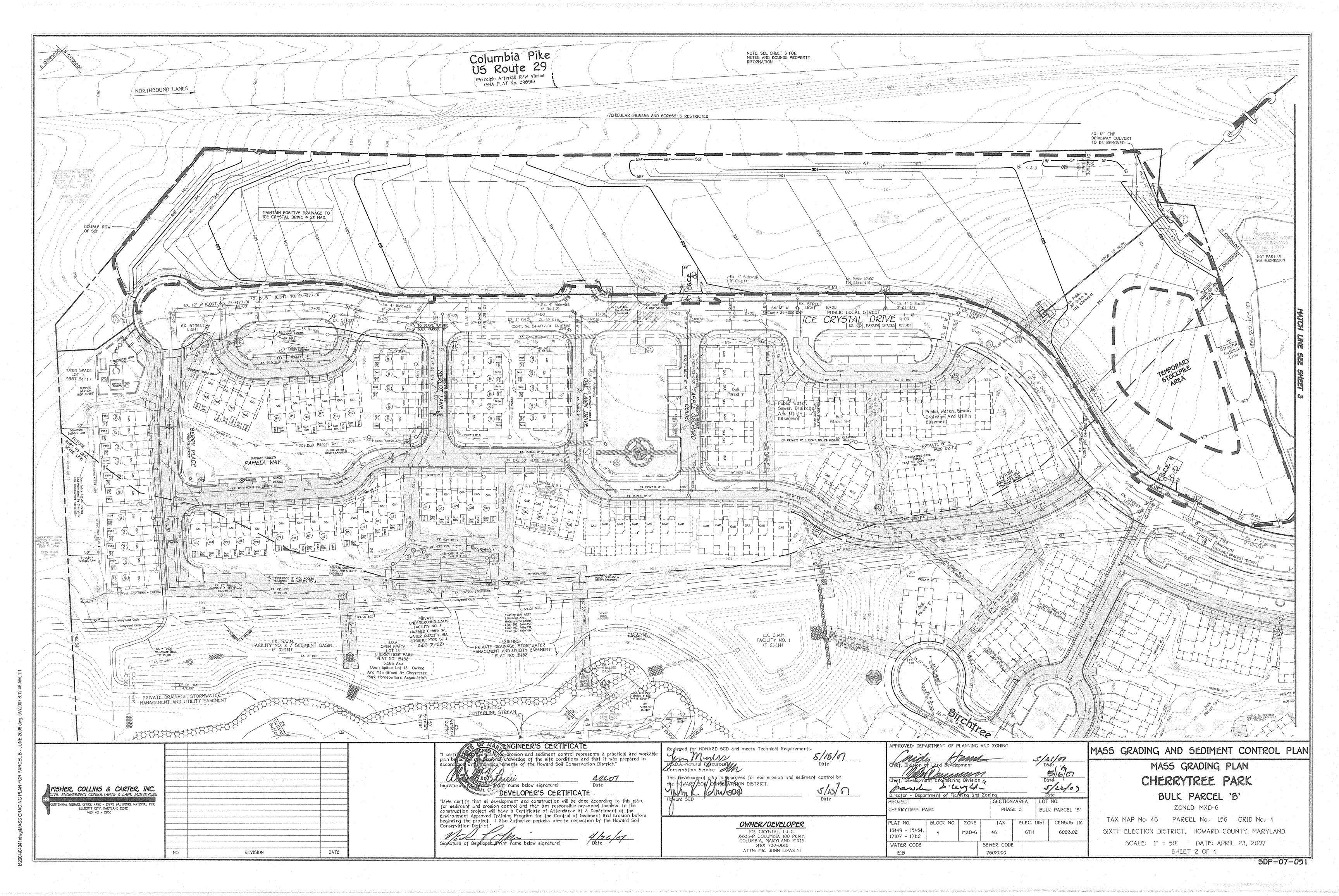
ZONED: MXD-6

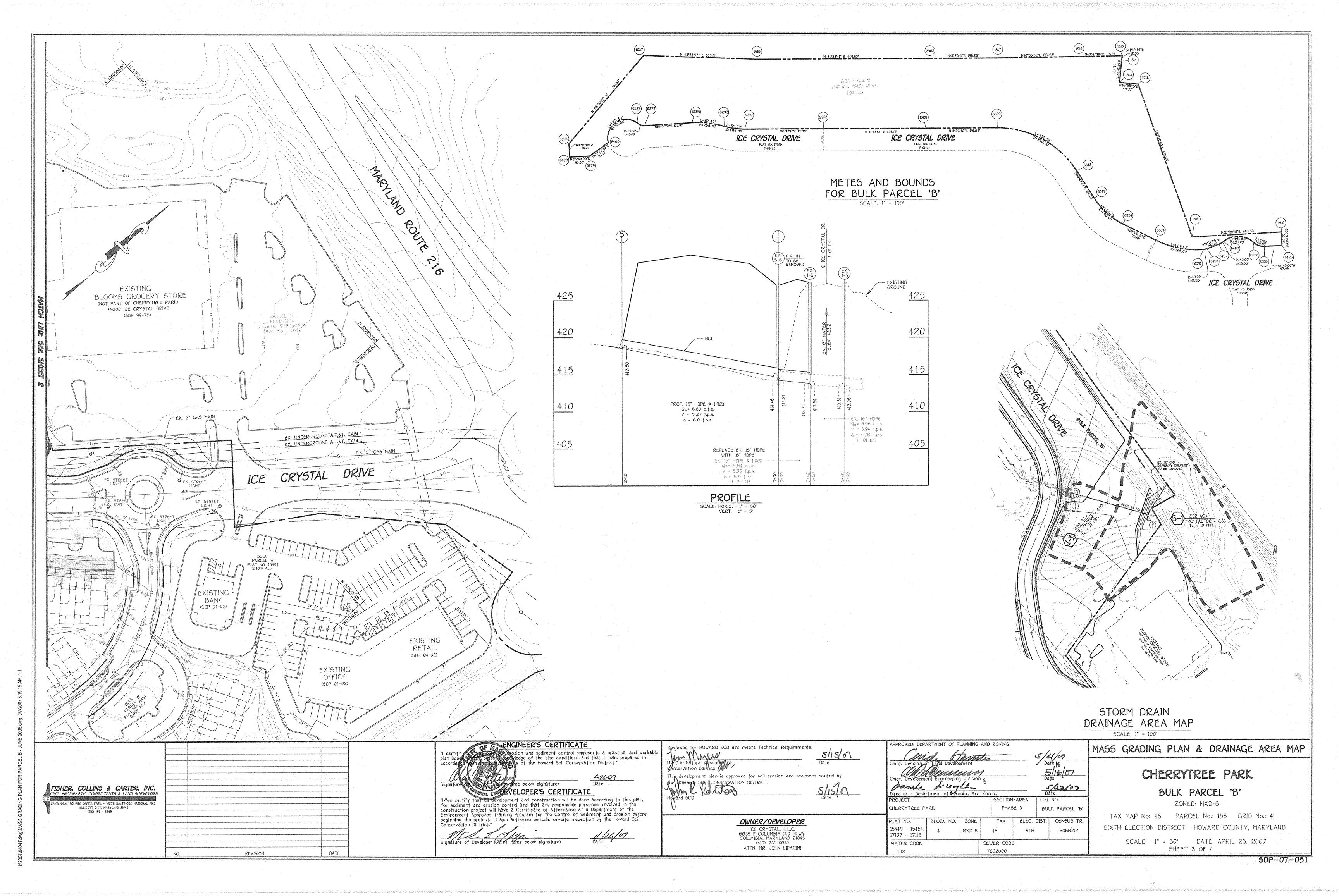
TAX MAP No: 46 PARCEL No.: 156 GRID No.: 4

SIXTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN DATE: APRIL 23, 2007

SHEET 1 OF 4





Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation

Purpose

To provide a suitable soil medium for vegetative 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

This practice is limited to areas having 2:1 or flatter slopes where:

a. 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.

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

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.

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 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 than 11/2" in diameter.
- ii. Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnson grass, 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:

- i. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization Section I Vegetative Stabilization Methods and Materials.
- III For sites having disturbed areas over 5 acres:
  - i. On soil meeting Topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
  - a. pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
  - b. Organic content of topsoil shall be not less than 1.5 percent by weight.
  - c. Topsoil having soluble salt content greater than 500 parts per million shall not be used
  - d. No sod or seed shall be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials.

Note: Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

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

V. Topsoil Application

- i. When top soiling, 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 top soiled, which have been previously established, shall be
- 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 top soiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets.
- iv. Topsoil shall not be placed 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.
- VI. Alternative for Permanent Seeding Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:
  - i. Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:
  - a. Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.
  - b. Composted sludge shall contain at least I percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a Ph of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to
  - use: c. Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
- v. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.

References: Guideline Specifications, Soil Preparation and Sodding. MD-VA, Pub. \*1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes. Revised 1973.

36" MINIMUM LENGTH FENCE POST 10' MAXIMUM CENTER TO DRIVEN A MINIMUM OF 16" INTO – Center \_ -16" MINIMUM HEIGHT OF GEOTEXTILE CLASS F - 8" MINIMUM DEPTH IN GROUND 36" MINIMUM FENCE PERSPECTIVE VIEW POST LENGTH FILTER CLOTH -FENCE POST SECTION MINIMUM 20" ABOVE FLOW GROUND UNDISTURBED GROUND EMBED GEOTEXTILE CLASS F TOP VIEW A MINIMUM OF 8" VERTICALLY FENCE POST DRIVEN A MINIMUM OF 16" INTO INTO THE GROUND \_ THE GROUND POSTS CROSS SECTION SECTION A

Construction Specifications

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 11/2" x 11/2" square (minimum) cut, or 13/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot.

2. Geotextile 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 lbs/in (min.)

Test: MSMT 509

Tensile Modulus 20 lbs/in (min.)

Flow Rate 0.3 gal ft / minute (max.)²

Filtering Efficiency 75% (min.)

Test: MSMT 509

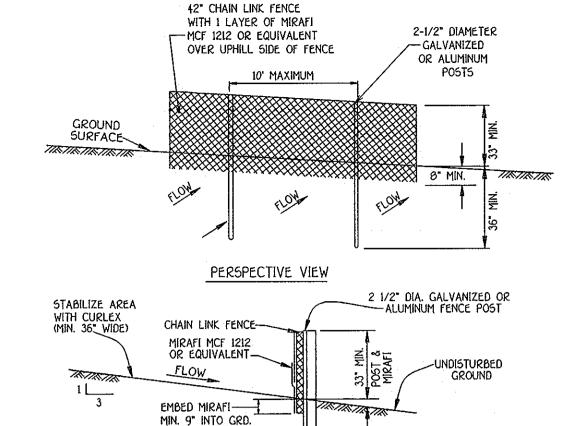
Test: MSMT 322

Test: MSMT 322

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric beight

SILT FENCE
NOT TO SCALE



#### CONSTRUCTION SPECIFICATIONS

SECTION VIEW

STANDARD SYMBOL

——5FD---

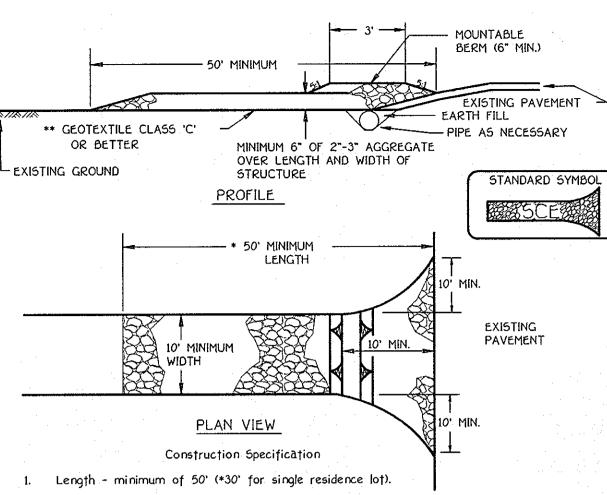
- 1. FENCING SHALL BE 42" HIGH CHAIN CONSTRUCTED IN ACCORDANCE WITH THE LATEST MARYLAND STATE HIGHWAY ADMINISTRATION STANDARD DETAILS 690.01 AND 690.02 FOR CHAIN U FENCING. THE SPECIFICATIONS FOR A 6'-0" FENCE SHALL BE USED, SUBSTITUTING 42" FABRIC AND 8' POSTS. POSTS SHALL BE PLACED WITHOUT CONCRETE EMBEDMENT.
- CONCRETE EMBEDMENT.

  2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE.
- 3. FILTER CLOTH TO BE FASTENED SECURELY TO CHAIN LINK FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  4. FILTER CLOTH SHALL BE IMBEDDED A MINIMUM OF 9" INTO THE
- 5. WHEN TWO SECTIONS OF DIVERSION CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.

  6. MAINTENANCE SHALL BE PERFORMED AS NEEDED.

#### SUPER SILT FENCE

NOT TO SCALE



Width - 10' minimum, should be flared at the existing road to provide a turning radius.

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

4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.

5. Surface Water - all surface water flowing to or 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 has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage 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.

#### STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

#### SEQUENCE OF CONSTRUCTION

LAYER MIRAFI IN

WIDE TRENCH

BOTTOM OF 14" MIN.

1. OBTAIN A GRADING PERMIT.

- 2. NOTIFY "MISS UTILITY" AT LEAST 48 HOURS BEFORE BEGINNING ANY WORK AT 1-800-257-7777. NOTIFY THE HOWARD COUNTY OFFICE OF CONSTRUCTION/INSPECTION AT 410-313-1330 AT LEAST 24 HOURS BEFORE STARTING WORK.
- 3. INSTALL THE STABILIZED CONSTRUCTION ENTRANCE. CLEAR AND GRUB FOR THE INSTALLATION OF THE REMAINING PERIMETER SEDIMENT CONTROL MEASURES. INSTALL SILT FENCE AND SUPER SILT FENCE AS SHOWN ON THESE PLANS.
- 4. CLEAR AND GRUBB FOR THE REMAINDER OF THE SITE.

  5. GRADE SITE TO THE PROPOSED GRADES AND INSTALL THE STORM DRAIN SYSTEMS.
- STABILIZE ALL SLOPES IMMEDIATELY UPON COMPLETION OF GRADING: DO NOT BLOCK INLETS AS STORM DRAIN SYSTEM WILL BE USED TO CONVEY SEDIMENT RUNOFF INTO THE EXISTING SEDIMENT BASIN \*1 (F-01-114).
- 6. WHEN ALL CONTRIBUTING AREAS TO THE SEDIMENT CONTROL DEVICES AND THE EXISTING BASIN HAVE BEEN STABILIZED AND WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, THE SEDIMENT CONTROL DEVICES MAY BE REMOVED AND/OR BACKFILLED AND THE REMAINING AREAS BROUGHT TO FINAL GRADE: STABILIZE ALL AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- 7. NOTIFY HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS FOR FINAL INSPECTION OF THE COMPLETED PROJECT.
- NOTE: THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON ALL SEDIMENT AND EROSION CONTROL STRUCTURES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS. REMOVE SEDIMENT FROM THE POND/BASIN WHEN THE CLEANOUT ELEVATION HAS BEEN REACHED. ALL SEDIMENT MUST BE PLACED UPSTREAM OF THE APPROVED TRAPPING DEVICE.

#### SEDIMENT CONTROL NOTES

1) A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LISCENSES AND PERMITS, SEDIMENT CONTROL

DIVISION 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 MOST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL

EROSION AND SEDIMENT CONTROL AND REVISIONS THERETO.

3) FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, b) 14 DAYS AS TO ALL OTHER

DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 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 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 DISTURBED
AREA TO BE ROOFED OR PAVED
AREA TO BE VEGETATIVELY STABILIZED
TOTAL CUT
TOTAL FILL
7.99
ACRES
7.50
ACRES
24,800
CU.YDS.
CU.YDS.

OFFSITE WASTE/BORROW AREA LOCATION N/A CU.YDS.

8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF

DISTURBANCE.

ADDITIONAL SERIMENT CONTROLS MUST BE PROVIDED. IF DEEMED NECESSARY BY

9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL

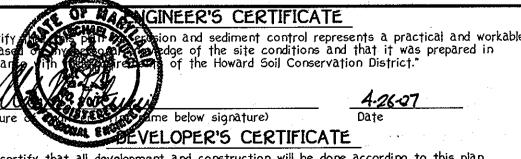
OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

11) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGHTS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

# FISHER, COLLINS & CARTER, INC. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS 3 CENTENNIAL SQUARE OFFICE PARX - 10272 BALTIMORE NATIONAL PIKE ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2855

NO.

DATE



"I/We certify that all development and construction will be done according to this plan, for sediment and erosion control 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)

Date

Reviewed for HOWARD SCD and meets Technical Requirements.

U.S.D.A.-Natural Resources

U.S.D.A.-Natural Resources

Date

Conservation Service

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Howard SCD

Date

OWNER/DEVELOPER

ICE CRYSTAL, L.L.C.

8035-P COLUMBIA 100 PKWY.
COLUMBIA, MARYLAND 21045

(410) 730-0810

ATTN: MR. JOHN LIPARINI

APPROVED: DEPARTMENT OF PLANNING AND ZONING 5/21/07 Date 4 5/18/07 rector - Department of Planning and Zoning SECTION/AREA PROJECT LOT NO. CHERRYTREE PARK PHASE 3 BULK PARCEL 'B' ELEC. DIST. | CENSUS TR. BLOCK NO. ZONE TAX 15449 - 15454, MXD-6 6TH 6068.02 17107 - 17112 WATER CODE SEWER CODE E18 7602000

SEDIMENT CONTROL NOTES AND DETAILS

MASS GRADING PLAN
CHERRYTREE PARK

BULK PARCEL 'B'

ZONED: MXD-6

TAX MAP No: 46 PARCEL No.: 156 GRID No.: 4

SIXTH ELECTION DISTRICT, HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN DATE: APRIL 23, 2007

SHEET 4 OF 4