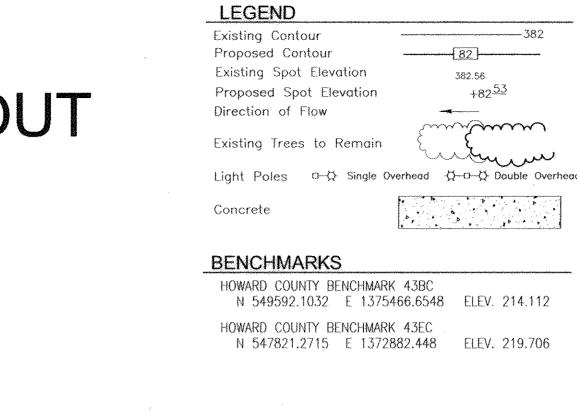
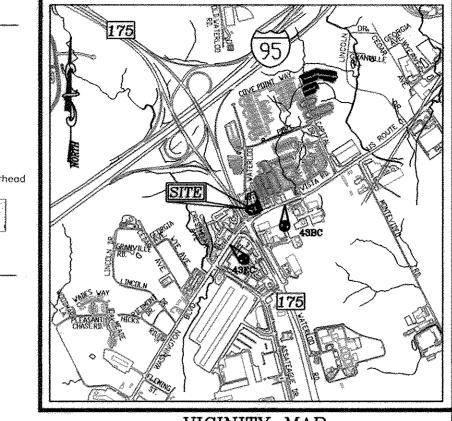
KUMAR SHELL GAS STATION SERVICE/ GAS STATION, CARWASH, CARRYOUT



MARKET PLACE ASSOCIATES

USE: INDUSTRIA



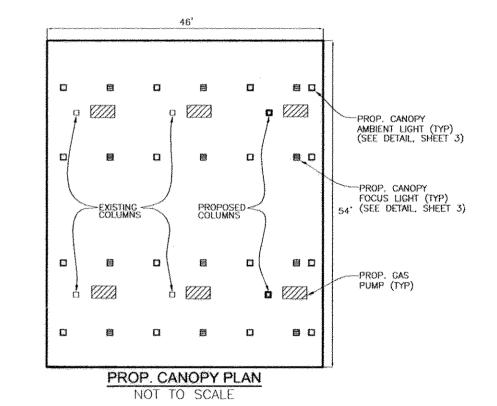
ADC MAP COORDINATES: 20 H1

SHEET INDEX DESCRIPTION SHEET NO 1 OF 5 COVER SHEET 2 OF 5 NTE LAYOUT PLAN, GRADING & SEDIMENT CONTROL PLAN, SOILS MAP SEDIMENT AND EROSION CONTROL NOTES AND DETAILS 3 OF 5 STORM DRAIN DRAINAGE AREA MAP, SWM DETAILS, AND PROFILES 4 OF 5 ANDSCAPE PLAN 5 OF 5

382.56

 $+82^{\frac{53}{3}}$

mom



OWNER & DEVELOPER DURGE LLC

6804 CREEKWOOD CT CLARKSVILLE, MARYLAND 21029 410-903-7898

4	ADD PUMP CONTROL ROOM, REMOVE SERVICE BAY, INCREASE	11/27/17
in terroring on the state of th	SIZE OF CONVENIENCE STORE	
2	REVISE SEWER SERVICE AND RELOCATE GREASE INTERCEPTOR	4/17/09
/	ADD GRINDER PUMP FOR NEW SANITARY SERVICE CONNECTION	1/6/09
www.commung.monifaryolom.golinishimasyourjua.www	ADD STAIRCASE TO REAR OF BUILDING	
NO.	REVISION	DATE

SITE DEVELOPMENT PLAN

COVER SHEET KUMAR SHELL GAS STATION

SERVICES/GAS STATION, CARWASH, CARRYOUT DEED: 8863/236 TAX MAP 43 BLOCK 9

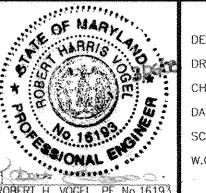
HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL

1ST ELECTION DISTRICT

ENGINEERING, INC. ENGINEERS . SURVEYORS . PLANNERS

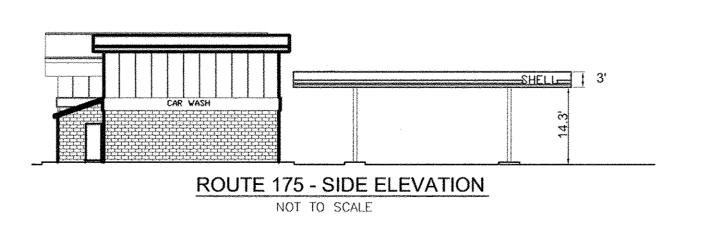
8407 MAIN STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961



CHECKED BY:

SHEET __ OF __

- PUMP CONTROL ROOM ADDITION PROP. CARRYOUT CONVENIENCE 2,1665F 560 SF



SECOND FLOOR PLAN

FLOOR PLAN

7894 WASHINGTON BLVD. (GAS STATION & CAR WASH) 7892 WASHINGTON BLVD. (CARRYOUT & RESTAURANT) SUBDIVISION NAME PARCEL NUMBER BLOCK NO. ZONE TAX/ZONE ELECT. DIST. CENSUS TR. 6012.02 SEWER CODE: 2420000 WATER CODE: B02

STREET ADDRESS

ADDRESS CHART

OT/PARCEL#

RESTAURANT

800 SF

CAR WASH STACKINGSPACES:

TOTAL PARKING SPACES REQUIRED:

TOTAL PARKING SPACES PROVIDED:

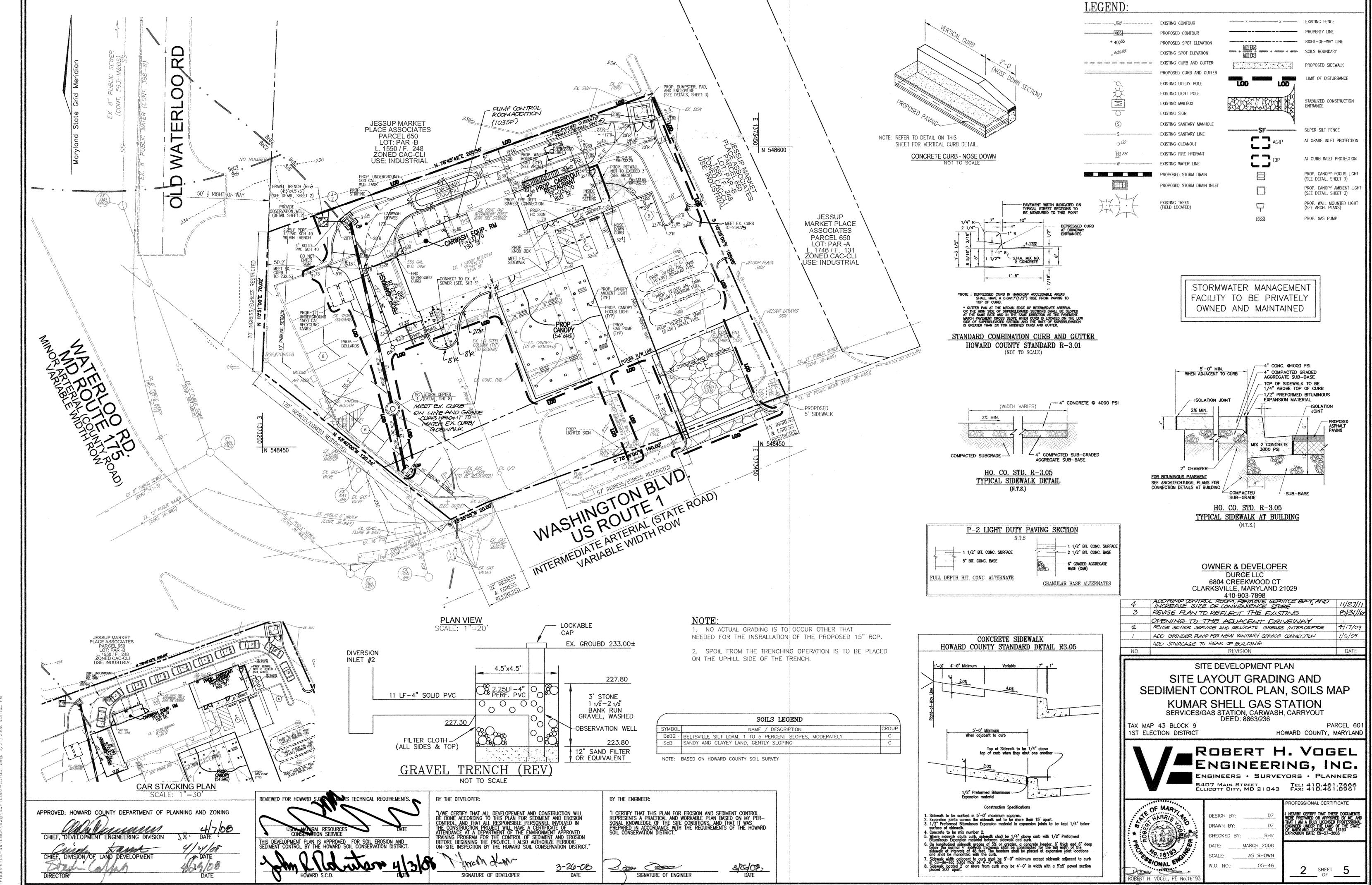
10 CARS PROVIDED

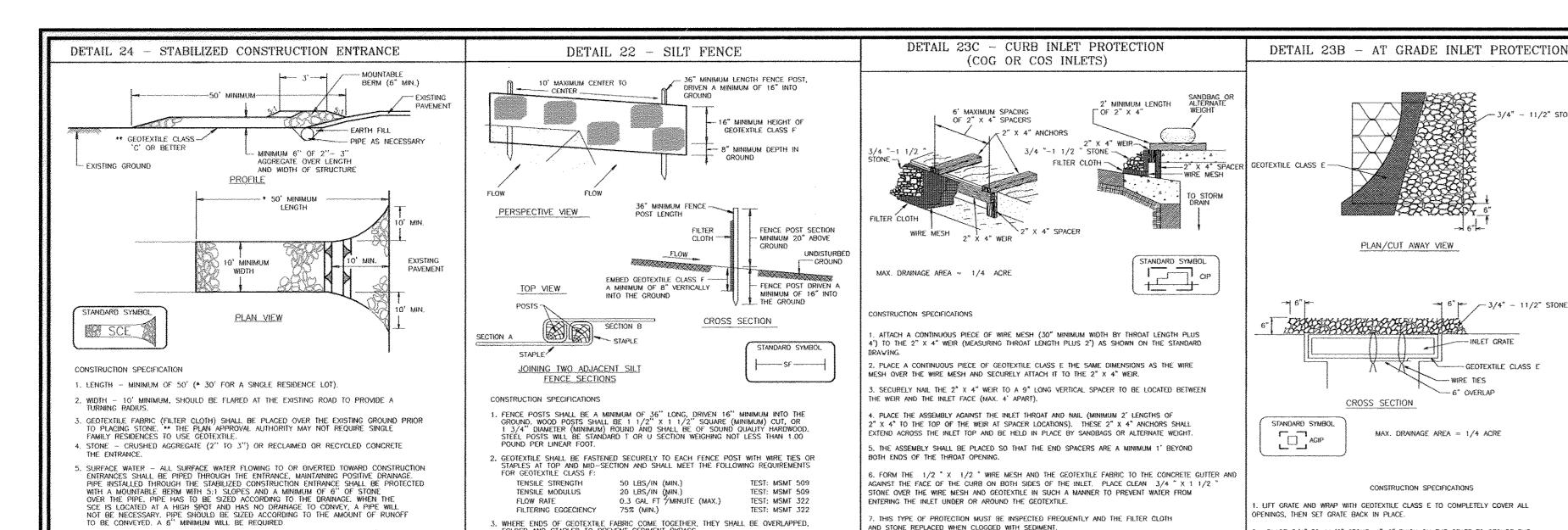
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

420 SF BASEMENT STORAGE; 6 566 SF OFFICE NOT REQUIRED

19 SPACES

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS





PERMANENT SEEDING NOTES APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE

SEEDBED PREPARATION: Loosen upper three inches of soil by raking,

discing or other acceptable means before seeding, if not previously

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

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.

SOIL AMENDMENTS: In lieu of soil test recommendations, use one of 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 sq.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 sq.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. Horrow or disc into upper 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

in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/ocre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored MULCHING: Apply 1 1/2 to 2 tons per ocre (70 to 90 lbs/1000 sa. 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 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons

per acre well anchored straw mulch and seed as soon as possible

MAINTENANCE: Inspect all seeded areas and make needed repairs,

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, if not previously SOIL AMENDMENTS: Apply 600 lbs, per acre 10-10-10 fertilizer SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT SEEDING: For periods March 1 thru April 30 and from August 19 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 ths, 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 II. For sites having disturbed areas under 5 acres:

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 sq.ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR

MARYLAND DEPARTMENT OF ENVIRONMENT !

WATER MANAGEMENT ADMINISTRATION

Placement of tapsoil over a prepared subsoil prior to establishment of permanent vegetation. To provide a suitable soil medium for vegetable growth of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable Conditions Where Practice Applies

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

FILTERING EGGECIENCY

75% (MIN.)

3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED, FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.

4 SHIT FENCE SHALL BE INSPECTED AFTER FACH RAINFALL EVENT AND MAINTAINED WHEN

ULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHES 50% OF THE FABRIC

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 racting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.

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 insideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate 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 coresentative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland

II. Topsoil Specifications — Soil to be used as topsoil 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, gravet, sticks,

Section I - Vegetative Stabilization Methods and Materials

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, quockgrass, Jahnsongrass, nutsedge, poison iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at subsoil is in a frozen or muddy condition, when the subsoil the rate of 4-8 tons/acre (200-400 pounds per 1,000 square is excessively wet or in a condition that may otherwise be 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

i. Place topsoil (if required) and apply soil

amendments as specified in 20.0 Vegetative Stabilization

U.S. BEPARTMENT OF ACRICULTURE SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION 21.0 STANDARDS AND SPECIFICATIONS FOR TOPSOIL

> 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

TEST: MSMT 322

MARYLAND DEPARTMENT OF ENVIRONMENT

natural topsoil.

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 soil which has been treated with soil sterilants or chemicals

. This type of protection must be inspected frequently and the filter cloth

8. ASSURE THAT STORM FLOW DOES NOT BYPASS THE INLET BY INSTALLING A TEMPORARY

AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.

EARTH OR ASPHALT DIKE TO DIRECT THE FLOW TO THE INLET.

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 agranamist or soil scientist and approved by the appropriate approval authority, may be used in lieu of

ii. Place topsoil (if required) and apply soil ammendments 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 tiliage. Any irregularities in the surface resulting from topsoiling or other operations shall be

iv. Topsoil shall not be place while the topsoil or detrimental to proper grading and seedbed preparation.

corrected in order to prevent the formation of depressions

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION U.S. DEPARTMENT OF AGRICULTURE
SOB CONSERVATION SERVICE SEQUENCE OF CONSTRUCTION

OBTAIN HOWARD COUNTY GRADING PERMIT 2 NOTIFY HOWARD COUNTY AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. (WEEK 1)

3. CONDUCT A PRE-CONSTRUCTION MEETING WITH THE SEDIMENT CONTROL INSPECTOR PRIOR TO ANY LAND DISTURBANCE. (WEEK 1) 4. INSTALL STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM. (WEEK 2)

5. WITH APPROVAL OF SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB SITE. (WEEK 3)

6. BEGIN GRADING OF SITE. (WEEK 5) 7. BEGIN UTILITY CONSTRUCTION

UPHILL SIDE OF THE TRENCH.

8. BEGIN BUILDING CONSTRUCTION. (WEEK 9) 9. INSTALL ON-SITE CURB AND GUTTER. (WEEK 21) 10. COMPLETE BUILDING CONSTRUCTION. (WEEK 18)

11. BEGIN PAVING AND INSTALL ALL SIDEWALKS. (WEEK 23) 12. FINE GRADE AND STABILIZE ALL AREAS OF PARCEL INCLUDING ANY EXPOSED EARTH AREAS OUTSIDE THE LOD. REMOVE ALL TRASH JUNK AND DEBRIS FROM ENTIRE PARCEL. (WEEK 24) 13. INSTALL SITE LANDSCAPING. (WEEK 25)

14. REMOVE ALL SEDIMENT CONTROL MEASURES AFTER RECEIVING APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR. (WEEK 26)

1. DUE TO THE DIFFICULTY OF MAINTAINING INTERNAL EARTH DIKES, CONTRACTOR SHALL LIMIT GRADING AND FILL TO AREA BETWEEN SUPER

SILT FENCE AND DIKE. 2. DURING GRADING AND AFTER EACH RAINFALL, CONTRACTOR WILL INSPECT AND PROVIDE NECESSARY MAINTENANCE TO THE SEDIMENT CONTROL MEASURES ON THIS PLAN.

3. FOLLOWING INITIAL SOIL DISTURBANCES OR REDISTURBANCE PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A. 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, SWALES AND ALL SLOPES GREATER THAN 3:1.

3, 14 CALENDAR DAYS FOR ALL OTHER DISTURBED AREAS. 4. NO ACTUAL GRADING IS TO OCCUR OTHER THAT NEEDED FOR THE

INSTALATION OF THE PROPOSED 15" RCP. . SPOIL FROM THE TRENCHING OPERATION IS TO BE PLACED ON THE

SEDIMENT CONTROL NOTES

__3/4" - 11/2" STONE

----INLET GRATE

-6" OVERLAP

. LIFT GRATE AND WRAP WITH GEOTEXTILE CLASS E TO COMPLETELY COVER ALL

2. PLACE 3/4" TO 11/2" STONE, 4"-6" THICK ON THE GRATE TO SECURE THE

OPENINGS, THEN SET GRATE BACK IN PLACE.

FABRIC AND PROVIDE ADDITIONAL FILTRATION.

-GEOTEXTILE CLASS E

1. A minimum of 48 hours notice must be given to the Howard County Department of Inspection, License and Permits Sediment Control Division prior to the start of any construction (313-1855).

2. All vegetation 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 SPECIFICATIONS 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 structures, dikes, perimeter slopes, and all slopes greater than 3:1, (b) 14 days as to all other disturbed or graded areas on the project site.

4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1. Chapter 7, 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, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch alone shall 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 Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized Total Fill WASTE/BORROW 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.

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 lengths or that which shall be back-filled and stabilized within one working day, whichever is

* To be determined by contractor, with pre-approval of the Sediment Control Inspector with an approved and active grading permit

MO NUMBER

FUEL TANKER & DUMPSTER TRUCK

CROSSOVER™ AMBIENT

TURNING TEMPLATE

SCALE: 1"=30'

CROSSOVER™ FOCUS

14-1/2" x 17-1/2" **CANOPY LED FOCUS**

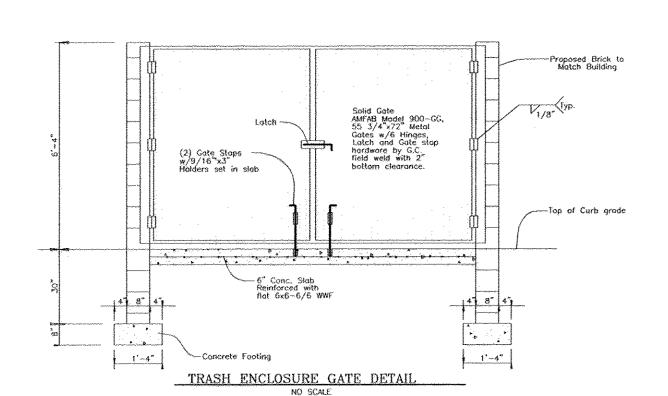
LIGHTING FIXTURE

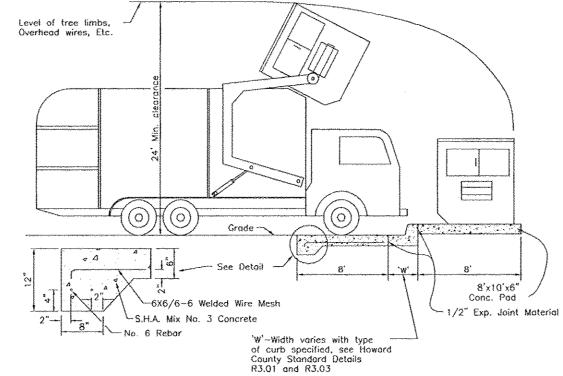
(SEE ARCH. PLANS)

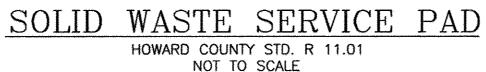
CANOPY LED AMBIENT LIGHTING FIXTURE

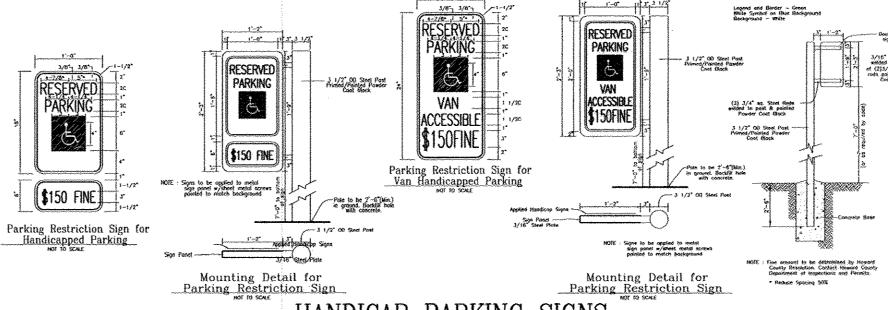
(SEE ARCH. PLANS)

OWNER & DEVELOPER DURGE LLC 6804 CREEKWOOD CT **CLARKSVILLE, MARYLAND 21029** 410-903-7898

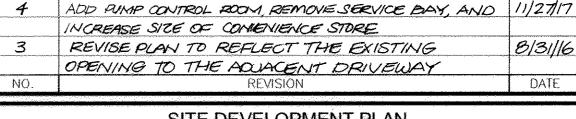








HANDICAP PARKING SIGNS (NOT TO SCALE)

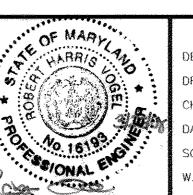




KUMAR SHELL GAS STATION SERVICES/GAS STATION, CARWASH, CARRYOUT

DEED: 8863/236 TAX MAP 43 BLOCK 9 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC. ENGINEERS . SURVEYORS . PLANNERS



05-46

8407 Main STREET TEL: 410.461.7666 ELLICOTT CITY, MD 21043 FAX: 410.461.8961

HEARBY CERTIFY THAT THESE DOCUMENTS ERE PREPARED OR APPROVED BY ME, AND HAT I AM A DULY UCENSED PROFESSIONAL NGINEER UNDER THE LAWS OF THE STATE F MARYLAND, UCENCE NO. 16193 KPIRATION DATE: 09-27-2008 SHEET

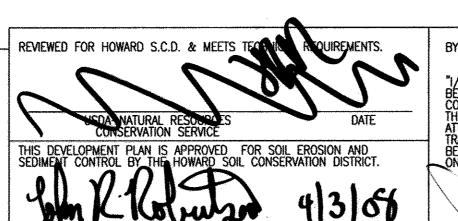
MARKET PLACE

ASSOCIATES

PARCEL 650 LOT: PAR -A

****USE: INDUSTRIAL

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING



BY THE DEVELOPER THIS PLAN FOR SEDIMENT RESPONSIBLE PERSONNEL ONTROL, AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN HE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF THE NETWORK AT A DEPARTMENT OF THE ENVIRONMENT APPROVED RAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION EFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC N—SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

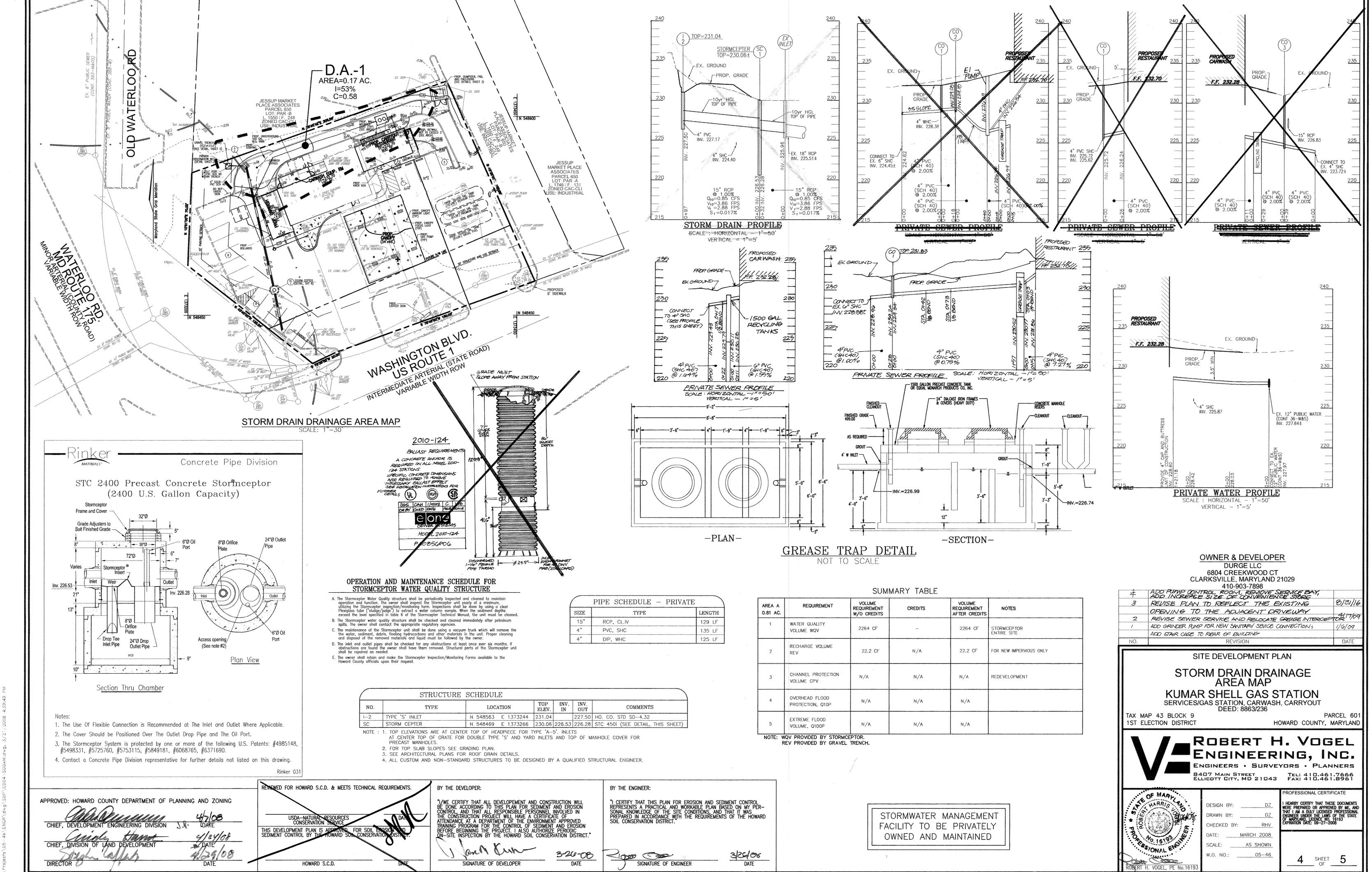
SIGNATURE OF DEVELOPER

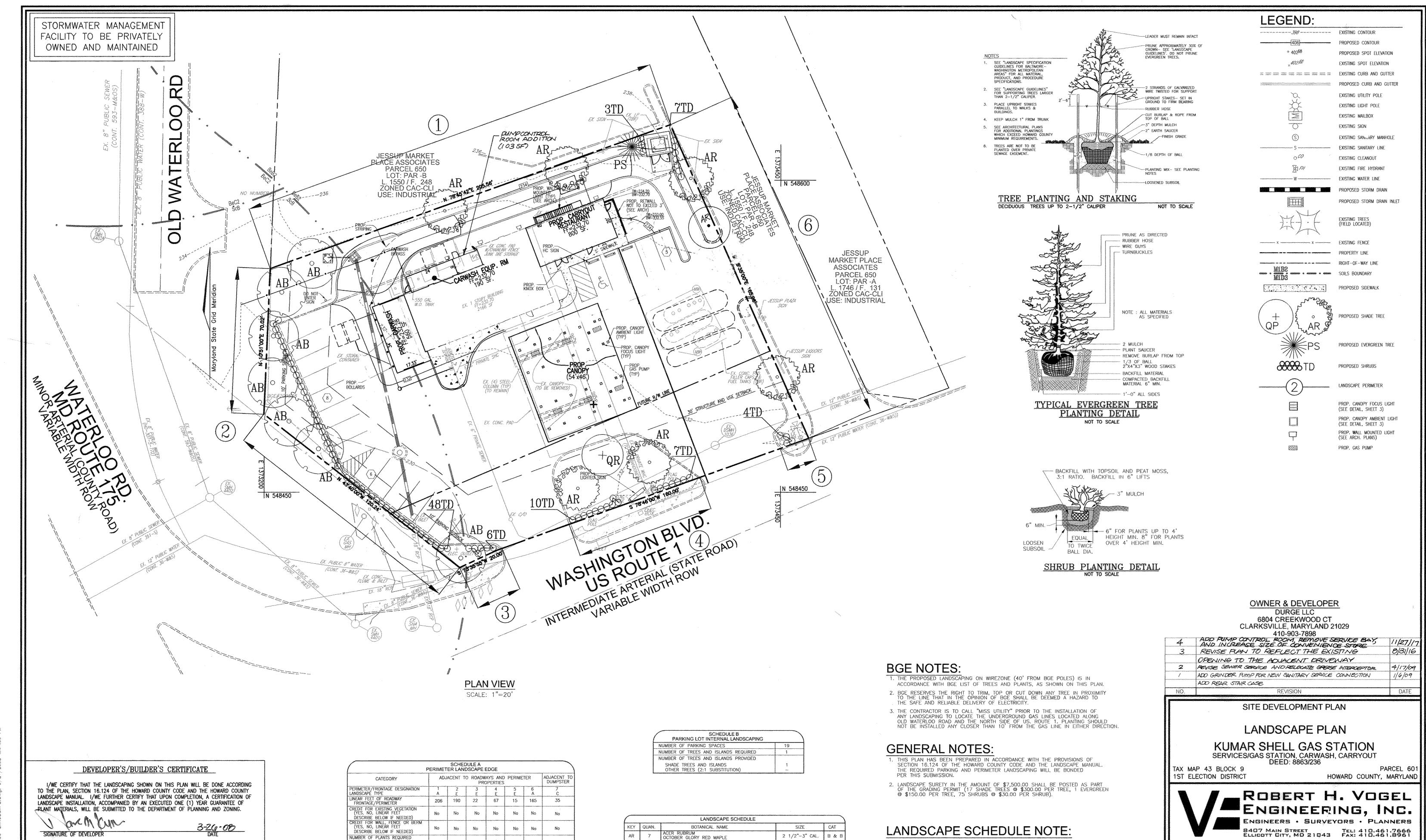
3-24-00

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT." 3/26/04 bus Oso SIGNATURE OF ENGINEER

PARCEL 60





QUERCUS PHELLOS

EASTERN WHITE PINE

TAXUS MEDIA 'DENSIFORMIS' DENSIFORMIS YEW

ACER PALMATUM 'BLOODGOOD' BLOODGOOD JAPANESE RED MAPLE

PINUS STROBUS

2 1/2"-3" CAL.

2 1/2' -3' HT. B & B

4'-6' HT. (MAX. HEIGHT=20') B & B

1 B & B

6'-8' HT.

1. ALL PLANT MATERIALS SHALL BE FULL AND HEAVY, BE WELL FORMED AND SYMMETRICAL, CONFORM TO THE MOST CURRENT AAN SPECIFICATIONS AND BE INSTALLED IN ACCORDANCE

2. CONTRACTOR SHALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.

3. FINAL LOCATION OF PLANT MATERIAL MAY NEED TO VARY TO MEET FINAL FIELD CONDITIONS. TREES SHALL NOT BE PLANTED IN THE BOTTOM OF DRAINAGE SWALES.

4. CONTRACTOR SHALL VERIFY PLANT QUANTITIES PRIOR TO BIDDING. 1F PLAN DIFFERS FROM

OF MARY

CHECKED BY:

SCALE:

W.O. NO.:

DATE: MARCH 2008

RHV

AS SHOWN

05-46

WITH HRD PLANTING SPECIFICATIONS.

LANDSCAPE SCHEDULE, THE PLAN SHALL GOVERN.

SDP 07-120

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

SHADE TREES EVERGREEN TREES

NUMBER OF PLANTS PROVIDED SHADE TREES

OTHER TREES (2:1 SUBSTITUTION)

* Substitute 10 shrubs for one shade in Perimeter 7.

SHRUBS (10:1 SUBSTITUTION) DESCRIBE PLANT SUBSTITUTION CREDITS

EVERGREEN TREES

1:60 3 | 1:40 5 | 1:40 1 | 1:40 2 | 1:40 0 | 1:60 3

1:20 1

I HEARBY 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, LICENCE NO. 16193 EXPIRATION DATE: 09-27-2008

SHEET