

SCHEDULE A - PERIMETER LANDSCAPE EDGE

Category	Adjacent to Roadways	Adjacent to Perimeter Properties
Perimeter #	4, Roadside	1, 2, 3
Landscape Type	NONE	A, A, A
Linear of Perimeter	66	165, 66, 165
Credit for Existing Vegetation	0	0, 0, 0
Number of Shade Trees Required	0	3, 1, 3
Number of Shade Trees Provided	0	3, 1, 3
Number of Evergreens Required	0	0, 0, 0
Number of Evergreens Provided	0	0, 0, 0

All provided 7 AR shade trees are Acer Rubrum (Red Maple type trees) type, 2 1/2" to 3" Caliber

SCHEDULE B - INTERNAL LANDSCAPING

Category	Adjacent to Roadways
Landscape Type	NON-RESIDENTIAL
Number of Parking spaces	4
Credit for Existing Vegetation	0
Number of Islands Required	1
Number of Islands Provided	2
Number of Trees Required	1
Number of Trees Provided	1

PERIMETER AND INTERNAL PARKING LOT LANDSCAPING SHALL BE PROVIDED IN ACCORDANCE WITH THE HOWARD COUNTY LANDSCAPE MANUAL, SURETY FOR EIGHT SHADE TREES IN THE AMOUNT OF \$2,400.00 SHALL BE POSTED WITH THE DEVELOPERS AGREEMENT FOR THIS SITE DEVELOPMENT PLAN.

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT	DAY 1
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND PERIMETER SILT FENCE.	DAY 1-2
3. GRADE EXISTING GRAVEL PARKING FOR FINAL PAVING LEVELS.	DAY 3-4
4. BEGIN GRADING OF THE PARKING LOT.	DAY 4-5
5. STABILIZE GRADED AREAS AS BY SEEDING AND PLANTING ADDITIONAL VEGETATION.	DAY 6
6. FINALIZE GRADING AND STABILIZE THE SLOPES.	DAY 6
7. GRADE PARKING LOT TO FINISHED GRADE.	DAY 7
8. MINIMIZE THE CONTAMINATION OF UNDERLYING SOILS AND PLACE THE BASE MATERIAL WHEN GRADED AREAS ARE STABILIZED.	DAY 4-7
9. INSTALL GRAVEL BASE COURSE AND CONCRETE SURFACE COURSE AND ASCERTAIN THAT THE BASE COURSE IS NOT CONTAMINATED WITH SILT.	DAY 8
10. STABILIZED ALL UNSTABILIZED AREAS AS BY SEEDING AND PLANTING ADDITIONAL VEGETATION.	DAY 8
11. ONCE THE SITE IS STABILIZED AND APPROVAL IS OBTAINED, REMOVE ALL REMAINING EROSION AND SEDIMENT CONTROL MEASURES.	DAY 9
TOTAL	9 DAYS

- ADDITIONAL NOTES:**
- IN ACCORDANCE WITH SECTION 120A.6.a. OF THE ZONING REGULATIONS, STRUCTURES OR LAND USES ON PROPERTY ZONED B-2 LOCATED IN LISBON, SITUATED BETWEEN NORTH AVENUE AND SOUTH ALLEY, BEGINNING AT THE CENTER LINE OF MD RT. 94 AND EXTENDING 1850 FEET TO THE EAST ON THE NORTH SIDE OF MD RT. 144, EXTENDING 1350 FEET TO THE EAST ON THE SOUTH SIDE OF MD RT. 144 AND EXTENDING 225 FEET TO THE WEST ON THE SOUTH SIDE OF MD RT. 144, SHALL NOT BE REQUIRED TO MEET MINIMUM SETBACK REQUIREMENTS OF THE APPLICABLE ZONING DISTRICT. MINIMUM OFF-STREET PARKING FOR SPECIFIC USES OF SECTION 133D OF THE ZONING REGULATIONS SHALL NOT BE APPLICABLE, BUT REASONABLE AND APPROPRIATE OFF-STREET PARKING SHALL BE DETERMINED BY THE DEPARTMENT OF PLANNING AND ZONING.
 - THE SITE IS LISTED IN THE HOWARD COUNTY HISTORIC SITE INVENTORY AS HO-201, THE MATHIS HOUSE.
 - THIS PLAN WAS INCLUDED ON THE JUNE 5, 2008 HISTORIC DISTRICT COMMISSION AGENDA AND WAS APPROVED WITH NO COMMENTS.
 - THE SEPTIC SYSTEM MUST HAVE ADVANCE PRE-TREATMENT DUE TO WELL BEING LESS THAN 100 FT FROM SEPTIC LIMITED RESERVE AREA AND SEPTIC AREA BEING PAVED. A SUPPLEMENTAL PLAN WITH ALL OF THE NECESSARY DETAILS FOR INSTALLATION OF THE SYSTEM WILL BE REQUIRED AND AN OPERATION AND MAINTENANCE CONTRACT MUST BE FILED WITH HOWARD COUNTY PRIOR TO BUILDING PERMIT APPROVAL.
 - ALL GATES SHALL HAVE A KNOX BOX OR KNOX BOX KEY OVERRIDE CONTROL TO ENSURE TIMELY FIRE DEPARTMENT ACCESS.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 Peter Bilenson
 HOWARD COUNTY HEALTH OFFICER
 DATE: 3/27/2009

Reviewed For Howard SCD and meets Technical Requirements
 This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
 HOWARD SCD
 DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division
 Chief, Division of Land Development
 Director
 DATE: 3/23/09
 DATE: 3/2/09
 DATE: 3/2/09

H.C. NEW VOLUME IV STANDARD TABLES USED

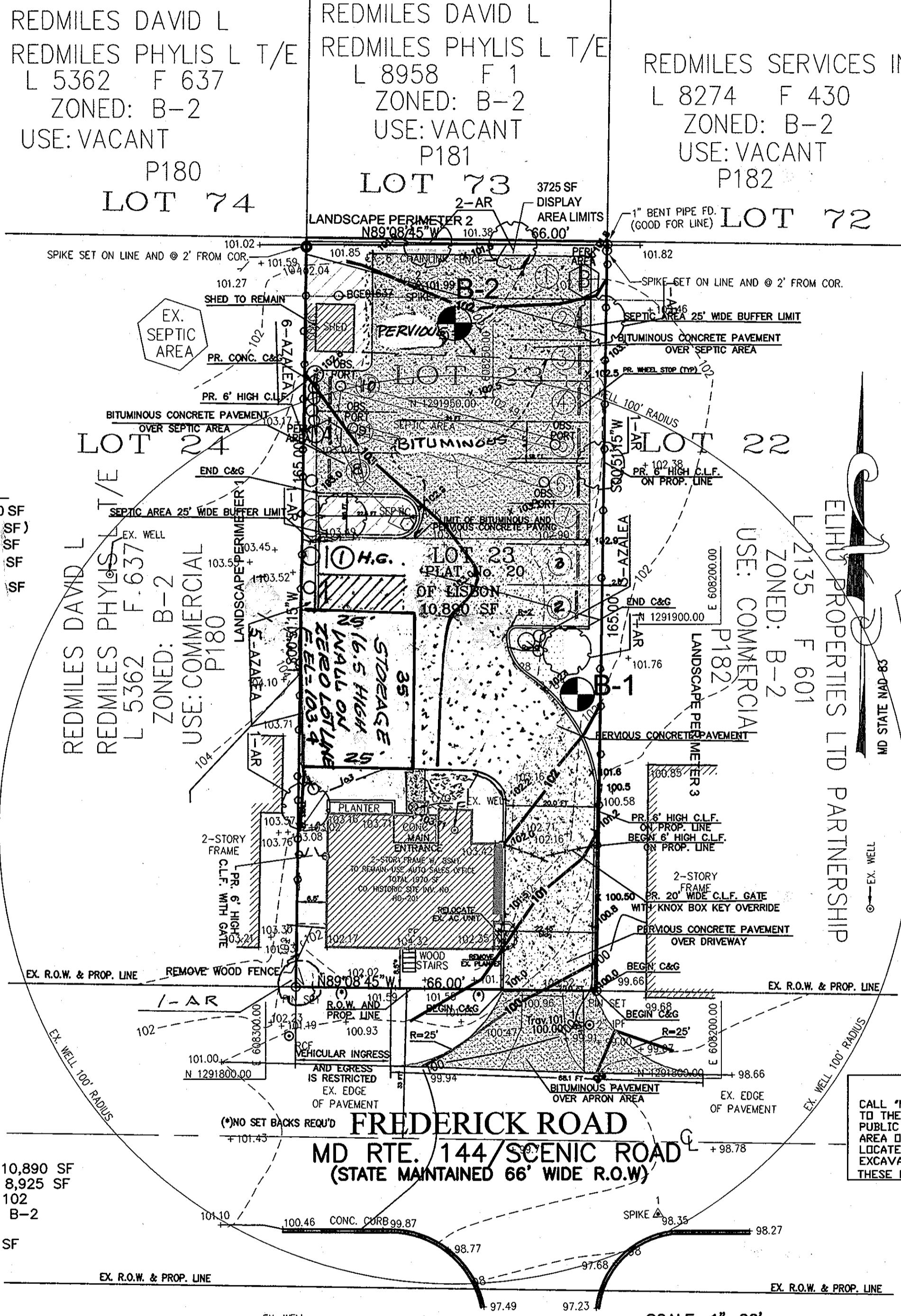
DESCRIPTION	TABLE NO.
7" COMBINATION CURB AND GUTTER	R-3.01
PAVING SECTION P-2	R-2.01
CONC. SIDEWALK	R-3.05
SIDEWALK RAMP	R-4.05

IMPERVIOUS SURFACE AREA CALCULATION
 EXISTING GRAVEL PARKING AND DRIVE 3040 SF
 20% OF 3040 LESS 80% CREDIT - (2432 SF)
 IMPERVIOUS AREA PROPOSED 3282 SF
 TOTAL IMPERVIOUS AREA PROPOSED 3890 SF
 PERVIOUS PAVING PROPOSED 4115 SF
 (AREA CALCS WITHIN PROPERTY LINE)

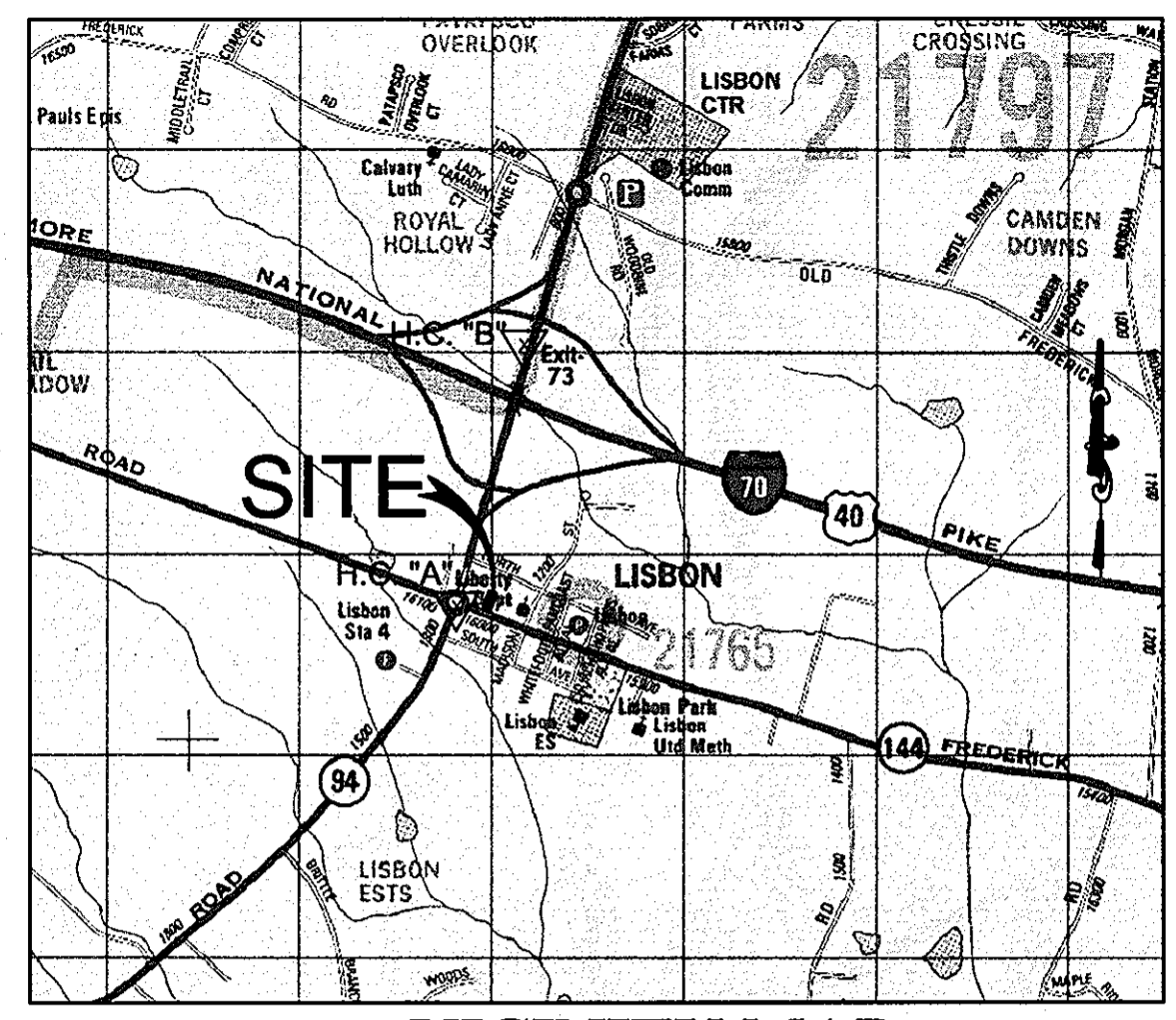
SITE ANALYSIS
 TOTAL AREA 10,890 SF
 AREA TO BE DISTURBED 8,925 SF
 EXISTING GRADE 102
 ZONED B-2
 PROPOSED USE - USED CAR SALES
 FLOOR SPACE - OFFICE USE - 1,970 SF
 TENENTS NONE
 VEHICULAR DISPLAY AREA = 3402 SF
 Building Coverage of Site = 25.91%

PARKING PROVIDED:
 OFFICE USE 3 SPACES (INCLUDING 1 HANDICAPPED SPACE)
 Developers Agreement
 I certify that the landscaping shown herein will be done according to the approved plan. Section 16.124 of the Howard County Code, and the Landscape Manual. I further certify that upon completion a Letter of Landscape Installation, accompanied by an executed one year guarantee of plant materials, will be submitted to the Department of Planning and Zoning.
 Mehdi Pahlavan
 MEHDI PAHLAVAN
 Date: 1/21/09

BAZIKIAN CONSULTANTS, LTD.
 ENGINEERS
 CIVIL, TRANSPORTATION, PLANNING, STRUCTURES AND ENVIRONMENTAL
 103 A WASHINGTON BLVD., LAUREL, MD 20707
 TEL (301) 497 1631, FAX (301) 497 1635
 INFO@BAZIKIAN.COM



H.C. "A" N 1291525.2124
 E 608315.5006
 H.C. "B" N 1292224.6007
 E 610731.4000



LEGEND

- B-2 SOIL BORING FOR SWM INFILTRATION
- PASSED PERK TEST AREA
- DISPLAY AREA
- EX. BUILDING
- EXISTING GRAVEL PARKING & DRIVE
- BITUMINOUS PAVING
- POROUS CONCRETE
- EXISTING CONTOUR LINE
- EXISTING FENCE
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION
- SEPTIC AREA BUFFER
- PROPOSED CONTOUR LINE
- PROPOSED CHAIN LINK FENCE
- PROPOSED TREES
- PROPERTY LINE
- PROPOSED WALK

MISS UTILITY
 CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THESE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH THESE REQUIREMENTS.

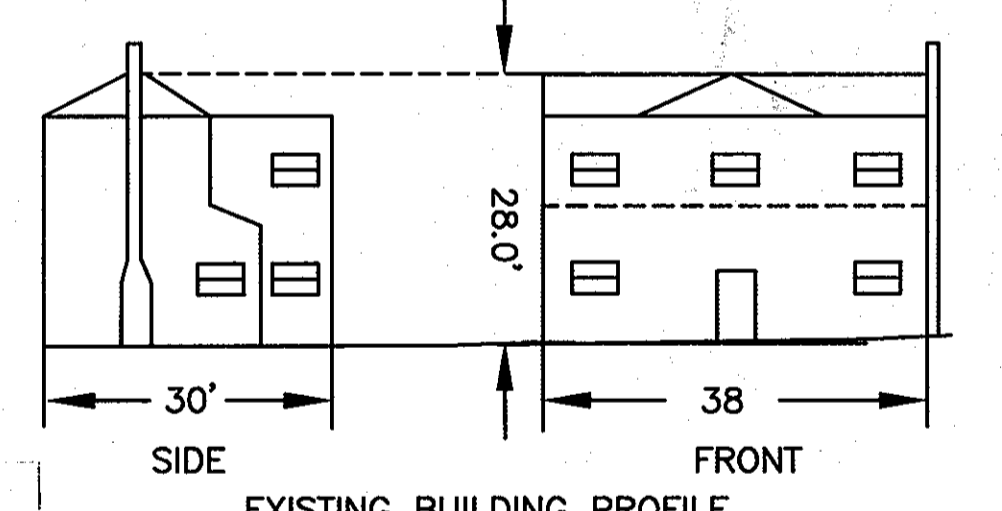
I CERTIFY THAT THE REVISION TO THIS PLAN WAS DONE ON 7-7-09 AND ALL CHANGES MADE AS SHOWN ON RED LINE PLANS APPROVED ON 5-4-09
 R. THINAKARAN P.E.
 #21694

STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 R. THINAKARAN
 7/7/09

I 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. 17028, Expiration Date: 08-16-2010.

FOR PERVIOUS & BITUMINOUS CONC.. PAVEMENT DETAILS, SEE SHEET NO. 2

- GENERAL NOTES**
- All construction shall be in accordance with the latest standards and specifications of Howard County plus MSHA standards and specifications if applicable.
 - The contractor shall notify the Department of Public Works/Bureau of Engineering/Construction Inspection Division at (410) 313-1880 at least five (5) working days prior to the start of work.
 - The contractor shall notify "Miss Utility" at 1-800-257-7777 at least 48 hours prior to any excavation work being done.
 - Traffic control devices, markings and signing shall be in accordance with the latest edition of the Manual of Uniform Traffic Control Devices (MUTCD). All street and regulatory signs shall be in place prior to the placement of any asphalt.
 - All plan dimensions are to face of curb unless otherwise noted.
 - The existing topography is taken from a field run survey dated February 2008 with one foot contour intervals prepared by the Total Engineering Services, P.O. Box 10123 Silver Spring, MD 20914 T (301) 515 1514
 - The coordinates shown hereon are based upon the Howard County Geodetic Control which is based upon the Maryland State Plane Coordinate System, Howard County Monuments.
 - Water is private well
 - Sewer is private septic
 - Existing Power and telephone utilities are based on observation.
 - There are no floodplain areas located on this site.
 - There are no wetlands on this site.
 - There are no cemeteries within this project.
 - No outside lighting is planned for this development.
 - Handicapped designated spaces shall be provided with a sign prominently displaying the amount of fine required by law.
 - This plan is subject to the Amended Fifth Edition of the Subdivision and Land Development Regulations per Council Bill 45-2003 and the Zoning Regulations as amended by CB 75-2003.
 - SWM is addressed by use of porous concrete paving for water quality control. The SWM facility is privately owned and the owner is responsible for the maintenance and its proper operation.
 - This parcel is exempt from forest conservation plan based on article 16.1202(b)(1)(i) of the Forest Conservation Manual. This parcel is exempt from forest conservation obligations since the lot is less than 40,000 sq. ft. in size.
 - All wells within 100' of property line have been shown on this drawing. wells within 200' downgradient of septic field have been shown on sheet 3.
 - Any changes to private sewage easement shall require a revised percolation certification plan.
 - This area designates a private sewage disposal area as required by Maryland Department of Environment for individual sewage disposal. Improvements of any nature in this area are restricted. This sewage disposal area shall become null and void upon connection to a public sewage system. The County Health Officer shall have authority to grant adjustments to the private sewage disposal area.
 - The existing well must brought up to current code prior to building approval.
 - The contractor doing the well upgrade will need to call Health Department for a well inspection.
 - The observation pipes with traffic bearing caps must be installed prior to paving and must not be paved over.
 - All areas shall be graded as to avoid debris runoff onto the pervious concrete.
 - The contractor must take all precautions avoiding overload on existing drain field pipes, using light weight equipment to cross these pipes and will be responsible for replacement of any damaged drain field pipes.



ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
526	16024 FREDERICK ROAD

PERMIT INFORMATION CHART

Subdivision Name	Section area	Lot/Parcel No.
N/A	N/A	526
Plat # or L/F	Grid #	Zoning COM.
L 10780 F 638	12	B-2
Water Code	Private WELL	Sewer Code
		Private SEPTIC

LISBON AUTO SALES
 LOT 23 / PLAT OF LISBON, P.B.3/FOLIO 20
 DISPLAY AREA, PARKING LOT EXPANSION,
 SWM, SITE DEVELOPMENT & LANDSCAPE PLAN
 PERCOLATION CERTIFICATION PLAN
 ZONING: B-2
 ELECTION DISTRICT NO. 4, HOWARD COUNTY, MARYLAND

OWNER:
 MEHDI PAHLAVAN
 16024 FREDERICK ROAD
 LISBON, MD 21765
 (301) 922 0365

SHEET INDEX

NO.	DESCRIPTION
1	SITE DEVELOPMENT AND LANDSCAPE PLAN
2	EROSION AND SEDIMENT CONTROL PLAN
3	SITE DETAILS, SPECIFICATION & WATER WELL LOCATION PLAN

REVISION

NO.	DESCRIPTION	DATE
1	PROPOSED STORAGE ADJUSTED PAVED AREA	4-7-09

DATE: JANUARY 21, 2009 **SDP-08-106**

SCALE 1" = 20'
 SHEET 1 OF 3

PERVIOUS CONCRETE

General
 Performance Requirements: Pervious Concrete paving is designed for low-traffic surface areas.
 Submittals: Product Data - Contractor shall submit data on cement, coarse aggregate, fine aggregate, joint filler, joint sealers and admixtures. Concrete Mix Design - Contractor shall submit proposed concrete mixture proportions, including all material weights, volumes, density (unit weight), water/cementitious material ratio, and void content. Project Details - Contractor to submit specific site plans, including a jointing plan, details, schedule, construction procedures, and quality control plan.
 Warranty: A one-year workmanship warranty shall be granted in accordance with the Terms and Conditions.
 Quality Assurance: Work shall be performed in accordance with the NRMCA Pervious Concrete Contractor Certification guidelines (Appendix I). Aggregate and cementitious materials shall be from the same source throughout.
 Qualifications: Manufacturer - Company specializing in manufacturing products specified in this section with minimum two years documented experience. Manufacturer shall provide locations of placements with supporting data for product performance. Contractor - Company specializing in performing work of this section shall submit evidence of two successful pervious concrete pavement projects, each greater than 1,000 square feet, including, but not limited to the following:
 • Project name and address
 • Owner's name, address and contact information
 • Test results, including density (unit weight), void content, and thickness of the completed pavement.
 Contractor - Company specializing in performing work of this section with minimum two years documented experience. The pavement crew supervisor shall be certified by the NRMCA as a Pervious Concrete "Installer" and shall be on-site during any placement of pervious concrete. At least two additional NRMCA Certified "Technicians" shall be part of the pavement crew.
 Pre-Installation Meeting: The Contractor shall convene two weeks prior to commencing work of this section with the pervious concrete supplier, the foreman, the project engineer, and the general contractor. The meeting will follow the document NRMCA "Checklist for the Concrete Pre-Construction Conference" (Appendix J) to review all requirements for the contract. Emphasis shall be on how paving with pervious concrete differs from paving with conventional concrete.
 Environmental Requirements: Do not place concrete when base surface temperature is less than 40 degrees F or greater than 90 degrees F (unless hydration stabilizer is utilized), or when surface is wet or frozen.
 Products
 Form Materials: Conform to Maryland Department of Transportation, State Highway Administration, Section 520.03.04. Wood forms are also acceptable.
 Reinforcement: Reinforcing steel wire and fabric shall not be used with pervious concrete pavement.
 Concrete Materials: Cement shall be as per ASTM C-150 - Type I Portland type, gray color. Cementitious material shall be ASTM C618 Fly Ash or ASTM C989 Slag Cement. Fine mix aggregates shall be as per AASHTO M6. Coarse mix aggregates shall be as per AASHTO M80. Water shall be potable and not detrimental to the concrete. Chemical Admixtures shall be as per ASTM C494/C494M
 • Type A - Water Reducing
 • Type B - Retarding
 • Type C - Accelerating
 • Type D - Water Reducing and Retarding or Hydration Stabilizer
 • Type E - Water Reducing and Accelerating
 • Type F - High Range
 • Or other as accepted by the City
 Accessories: Sheet Materials for curing concrete shall be as per AASHTO M171 with a polyethylene film. Use 6 mil poly sheeting or construction paper at isolation joints. Joint sealers shall be as per ASTM D5893, type NS.
 Concrete Mix - By Performance Criteria: Mix and Deliver concrete in accordance with ASTM C94/C94M, Option C. Provide concrete at the following criteria:
 • Compressive Strength: 2000 psi at 28 days per ASTM C39
 • Unit Weight: 120 pounds/cf (+/- 5lbs)
 • Cementitious Content: 450-700 pounds/cy
 • Water/Cement Ratio: 0.27 - 0.35
 • Fine Aggregate: Maximum 7% of coarse aggregate by weight
 • Coarse Aggregate Size:
 • ASTM #8 (Nominal 3/8")
 • Void Ratio: 15-25%
 Use of admixtures as approved by the City in writing.

Source Quality Control and Tests: Submit proposed mix design to the for review prior to commencement of Work. Tests on cement, aggregates, and mixes will be performed to ensure conformance with specified requirements. Test samples in accordance with ASTM C143, ASTM C39 and ASTM C496.
Execution
Examination: Verify compacted subgrade is acceptable and ready to support paving and imposed loads. Verify that the gradients and elevations of base are correct.
Special Equipment: Pervious concrete requires specific equipment for compaction and jointing. Rolling compaction shall be achieved using a steel pipe roller that spans the section placed and exerts a vertical pressure of 10 psi to 30 psi on the pervious concrete, or a hydraulically actuated rotating tube screed. Small areas may be compacted using a plate compactor that has a surface area of at least 2 square feet and exerts a minimum vertical pressure of 10 psi on the pavement surface through the use of a temporary 1/4 inch plywood cover. Contraction joints shall be formed by rolling, using a "pizza cutter roller". The "pizza cutter roller" shall consist of a steel roller to which a beveled fin with a minimum depth of 1/4 the thickness of the slab has been welded around the circumference of the roller. Sawcutting per ACI recommendations is also acceptable.
Preparation: Moisture base to minimize absorption of water from fresh concrete. Coat the surfaces of manhole and catch basin frames and valve covers with oil to prevent bond with concrete pavement. Notify the a minimum of 24 hours prior to commencement of concreting operations.
Forming: Place and secure forms to correct location, dimension, profile and gradient. Assemble formwork to permit easy stripping and dismantling without damaging concrete.
Reinforcement: Reinforcing steel and wire fabric shall not be used with pervious concrete pavement.
Placing Concrete: Place concrete in accordance with NRMCA Pervious Concrete Contractor Certification guidelines. Place concrete continuously over the full width of the panel and between predetermined contraction joints. Do not break or interrupt successive pours such that cold joints occur.
Joints: Place joints in accordance with the jointing plan developed by the Contractor.
Finishing: Finish pervious concrete paving in accordance with the NRMCA Pervious Concrete Contractor Certification guidelines (Appendix I). Place surface evaporation retarder and sheet materials on exposed concrete surfaces immediately after finishing. Sheet materials are to remain in-place a minimum of 7 days.
Joint Sealing: Separate pavement from vertical surfaces (isolation joint) with 6 mil poly or construction paper.
Tolerances: To be determined by City at sample panel placement.
Field Quality Control: Obtain a minimum 1 cubic foot sample for acceptance tests in accordance with ASTM C172. Measure a minimum of one density test during each day's placement in accordance with C138/C138M following the consolidation procedures described in ASTM C29/C29M, Jigging Procedure. Determine density using a minimum 0.25 cubic foot cylindrical metal measure. Fill and compact the measure in accordance with ASTM C29/C29M, Jigging Procedure. Fresh density shall be within ±5 cubic per cubic foot of the specified fresh density. Remove three cores from each lot of 5,000 square feet, in accordance with ASTM C42/C42M, not less than 7 days after placement of the pervious concrete. Cores shall be a minimum nominal 4 in. diameter. Select three locations in accordance with ASTM D3665. Measure the cores for thickness (ASTM C42/C42M) and density (ASTM C140). After thickness determination, trim and measure the cores for density in the saturated condition as described in Paragraph 9.3, Saturation, of ASTM C140. Immerse the trimmed cores in water for 24 hours, drain for 1 minute, remove surface water with a damp cloth, then weigh immediately. Tolerance for thickness and density reported as the average of three cores of each lot shall be as follows: The compacted thickness shall not be more than 1/4 in. less than the specified thickness, with no single core exceeding 1/2 in. less than the specified thickness; nor shall the average compacted thickness be more than 1-1/2 in. more than the specified thickness. Hardened density shall be within ±5% of the approved hardened density from the test panels. Core holes shall be filled with pervious concrete or preblended grout. Void content shall be between 15-25%.

Performance: Project is accepted when mix design, unit weight, field testing and test panel evaluation are performed. After core samples are taken during field quality control testing, if any section does not pass, then the section shall be removed and replaced at no additional cost to the
Protection: Immediately after placement, protect pavement from premature drying, exposure to cold temperatures and placement. Its very low slump may make discharge from transit mixers slower than for conventional concrete; transit mixers with large discharge openings or pouring mixers tend to provide a faster time. A pervious pavement mixer should be discharged completely within one hour after initial mixing. The use of retarding chemical admixtures or hydration-stabilizing admixtures may extend discharge time to one and half hours or more. High ambient temperatures and windy conditions will have more pronounced effects relative to conventional pavements, and should be taken into account.
Transportation: Because pervious concrete has a low water content, special attention is required during transportation and placement. Its very low slump may make discharge from transit mixers slower than for conventional concrete; transit mixers with large discharge openings or pouring mixers tend to provide a faster time. A pervious pavement mixer should be discharged completely within one hour after initial mixing. The use of retarding chemical admixtures or hydration-stabilizing admixtures may extend discharge time to one and half hours or more. High ambient temperatures and windy conditions will have more pronounced effects relative to conventional pavements, and should be taken into account.
Subbase preparation: The existing impervious areas being removed for the pervious concrete shall be filled or disked to a depth of one foot below the proposed subbase.

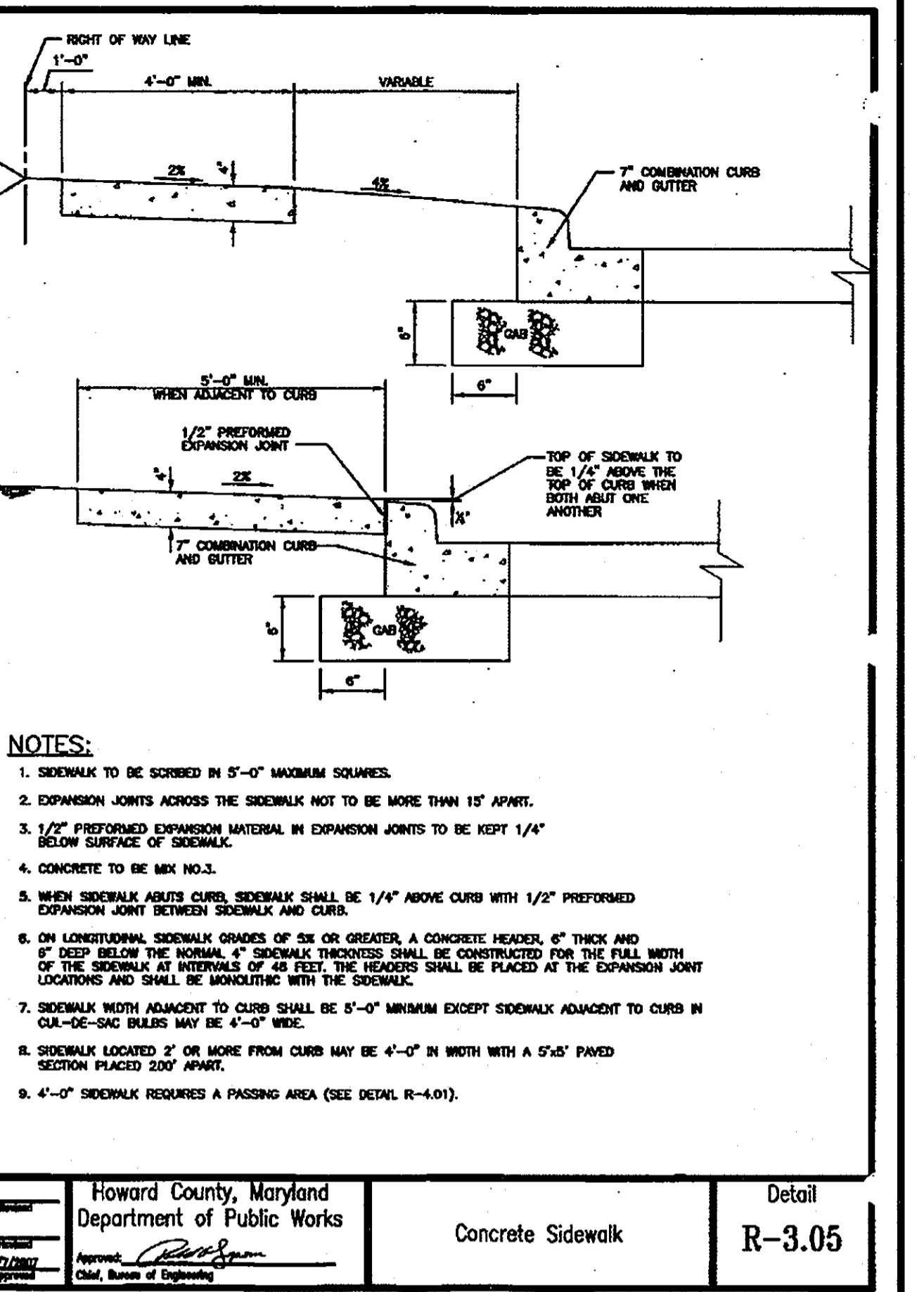
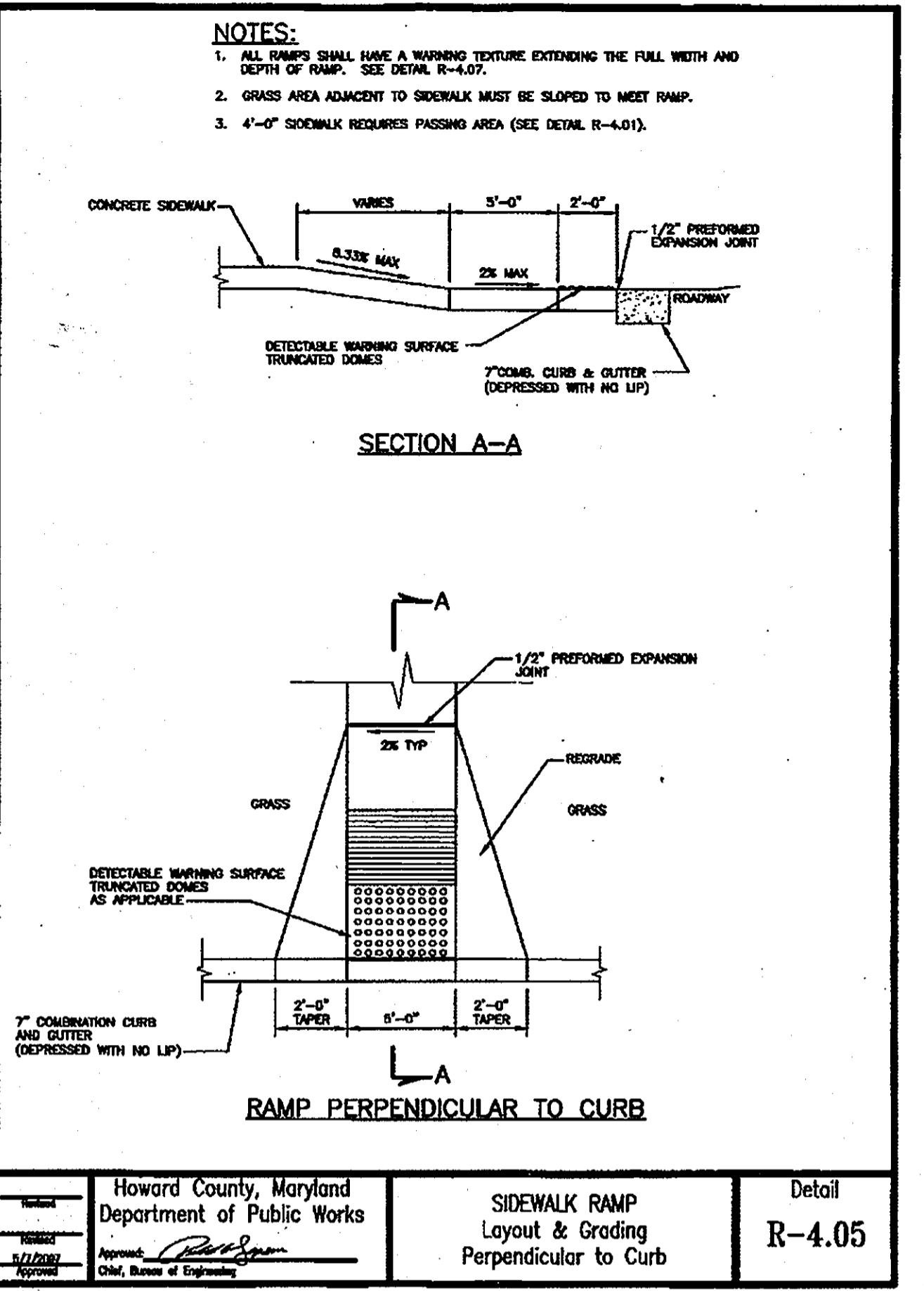
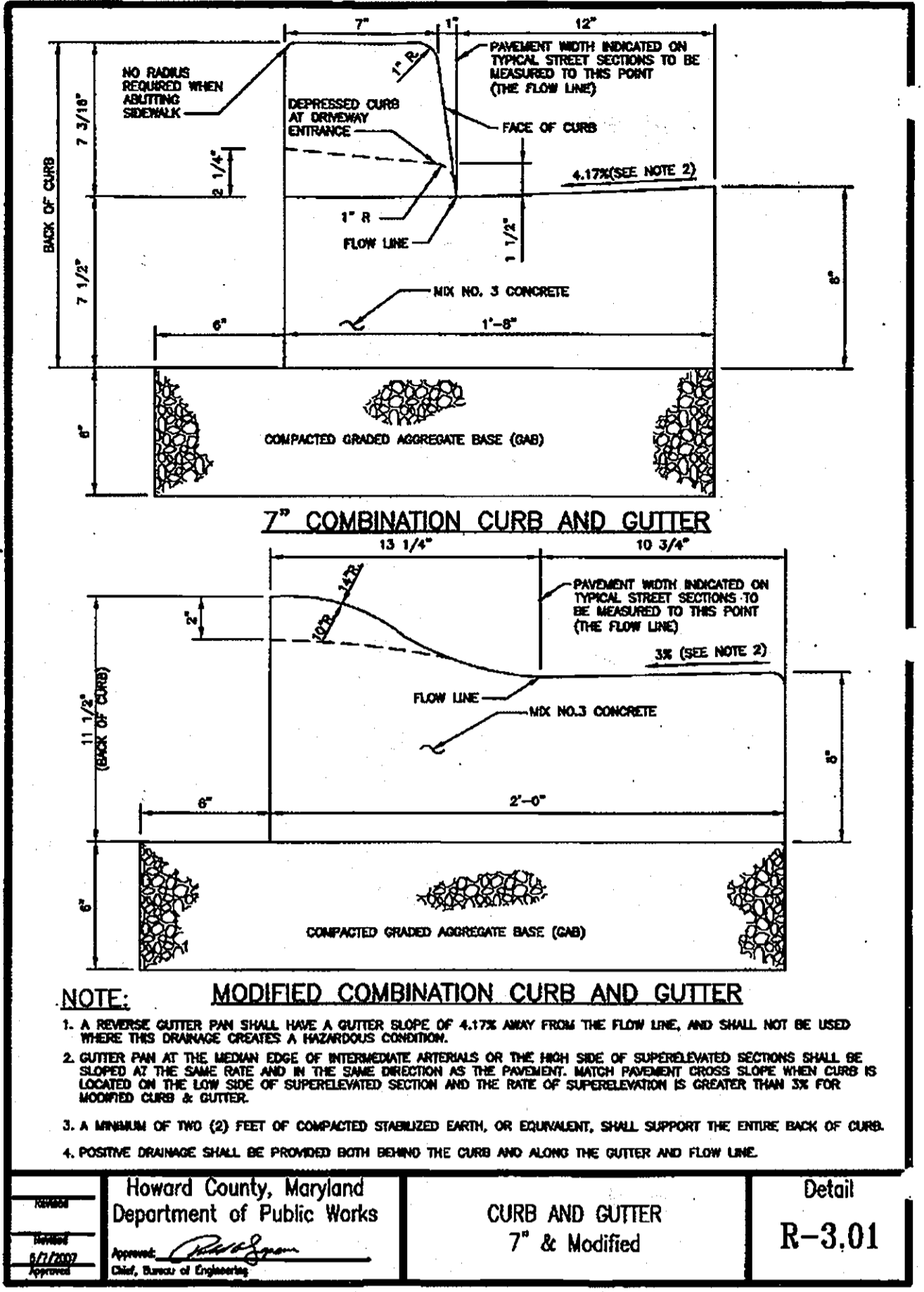
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT
 Brian for Peter Beilensen 3/27/2009
 HOWARD COUNTY HEALTH OFFICER DATE

Reviewed For Howard SCD and meets Technical Requirements
 This development plan is approved for soil erosion and sediment control by the HOWARD COUNTY SOIL CONSERVATION DISTRICT
 John R. Roberts 3/19/09
 HOWARD SCD DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 Chief, Development Engineering Division 3/16/09
 Chief, Division of Land Development 3/19/09
 Director 3/19/09

Developers Agreement
 I certify that the landscaping shown hereon will be done according to the approved plan, Section 16.124 of the Howard County Code, and the Landscape Manual. I further certify that upon completion a Letter of Landscape Installation, accompanied by an executed one year guarantee of plant materials, will be submitted to the Department of Planning and Zoning.
 Mehdi Pahlavan 1/21/09
 MEHDI PAHLAVAN Date

BAZIKIAN CONSULTANTS, LTD.
 ENGINEERS
 103 A WASHINGTON BLVD. LAUREL, MD 20707
 TEL (301) 497 1631 FAX (301) 497 1635
 CIVIL, TRANSPORTATION, PLANNING, STRUCTURES AND ENVIRONMENTAL INFO@BAZIKIAN.COM



OPERATION AND MAINTENANCE SCHEDULE FOR PRIVATELY OWNED AND MAINTAINED PERVIOUS CONCRETE

- Pervious concrete shall be inspected annually and after major storms. Inspections shall be performed during wet weather to determine if the facility is functioning properly. If water does not infiltrate or ponds on the pavement surface, appropriate maintenance practices shall be conducted as described below.
- The pervious concrete shall be vacuumed annually to remove debris from the surface of the pavement. Additional vacuuming shall be required if significant amounts of organic matter or other debris gathers on the pervious concrete surface.
- If vacuuming becomes ineffective, power washing or power blowing will be required.
- The pervious concrete shall be inspected annually for damage. All damage (i.e., cracking and sunping) shall be properly repaired by a qualified NRMCA Certified Pervious Concrete Technician.
- Landscaping materials such as mulch, sand, and topsoil shall not be loaded on pervious concrete, even temporarily.
- Drainage of surrounding landscaping shall be designed to prevent the flow of materials onto the pavement surface. Soil, rocks, leaves, and other debris may infiltrate the voids and hinder the flow of water.
- Inspect each outfall of all overdrains and underdrains after each major storm for free flow.
- The pervious concrete shall not be sealed or repaired with impervious surfaces.
- Areas which unavoidably drain onto the pervious concrete should be mowed regularly (if vegetated) and bare areas shall be seeded to prohibit sediment runoff.
- Deicing chemicals and anti skid materials should be avoided.



STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 MEHDI PAHLAVAN
 JANUARY 21, 2009
 I 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. 17028, Expiration Date: 08-16-2010.

I CERTIFY THAT REVISION TO THIS PLAN WAS DONE ON 1-7-09 AND ALL CHANGES MADE AS SHOWN ON RED LINE PLANS APPROVED ON 5-4-09 R. THINAKARAN PE # 21694

ADDRESS CHART

LOT/PARCEL #	STREET ADDRESS
526	16024 FREDERICK ROAD

PERMIT INFORMATION CHART

Subdivision Name	Section area	Lot/Parcel No.
N/A	N/A	526
Plat # or L/P L 10780 F 638	Grid # 12 Zoning COM. R-2	Tax Map No. 7
Water Code PRIVATE WELL	Elect Distr 4	Sewer Code PRIVATE SEPTIC

LISBON AUTO SALES
 LOT 23 / PLAT OF LISBON, P.B.3/FOLIO 20
 DISPLAY AREA, PARKING LOT EXPANSION,
 SWM, SITE DEVELOPMENT & LANDSCAPE PLAN
 PERCOLATION CERTIFICATION PLAN
 ZONING: B-2
 ELECTION DISTRICT NO. 4, HOWARD COUNTY, MARYLAND
 OWNER: MEHDI PAHLAVAN
 16024 FREDERICK ROAD
 LISBON, MD 21765
 (301) 922 0365
 DATE: JANUARY 21, 2009 **SDP-08-106**
 SCALE: NONE SHEET 3 OF 3

REVISION

NO.	DESCRIPTION	DATE