

| SHEET INDEX |   |
|-------------|---|
| NO.         | DESCRIPTION                                 |
| 1           | TITLE SHEET                                 |
| 2           | SITE/GRADING AND LANDSCAPE PLAN             |
| 3           | SEDIMENT & EROSION CONTROL PLAN AND DETAILS |

**SITE DATA TABULATION**

- GENERAL SITE DATA**
- PRESENT ZONING: B-2
  - APPLICABLE DPZ FILE REFERENCES: SDP-72-105, SDP-01-39
  - PROPOSED USE OF SITE: COMMERCIAL (MOTOR VEHICLE DEALERSHIP, MOTOR VEHICLE RENTAL AND MOTOR VEHICLE REPAIR)
  - PROPOSED WATER: X PUBLIC  
PROPOSED SEWER: X PUBLIC
- AREA TABULATION**
- TOTAL AREA OF PARCEL (DEED 1575/598)..... 4.6± Ac.
  - TOTAL PROJECT AREA..... 4.57± Ac.
  - AREA OF 100 YR. FLOODPLAIN..... N/A
  - NET AREA OF SITE..... 4.57± Ac.
  - AREA OF THIS PLAN SUBMISSION..... 1.19± Ac.
  - APPROXIMATE LIMIT OF DISTURBANCE..... 1.19± Ac.
  - BUILDING COVERAGE OF SITE (PERMITTED)..... N/A
  - BUILDING COVERAGE OF SITE (EXISTING)..... 88,808 S.F./198' 45,300 S.F.
  - BUILDING COVERAGE OF SITE (PROPOSED)..... 6,869 S.F. 955 SF.
  - BUILDING COVERAGE OF SITE (TOTAL)..... 46,200 S.F./238' 49,855 S.F.
  - EXISTING BUILDING VEHICLE SALES ANCILLARY USE..... 32,482 S.F.
  - EXISTING BUILDING SERVICE BAYS..... 39 BAYS
  - EXTERIOR VEHICLE SALES DISPLAY USE (TOTAL)..... 31,048 S.F.
  - PROPOSED VEHICLE SALES ANCILLARY USE..... 48,130 S.F. (0, 685 SF.

**LEGEND**

- SOILS CLASSIFICATION: Abc1
- SOILS DELINEATION: [Symbol]
- EXISTING CONTOURS: [Symbol]
- PROPOSED CONTOURS: [Symbol]
- LIMIT OF WETLANDS: [Symbol]
- EXISTING WOODS LINE: [Symbol]
- PROPOSED WOODS LINE: [Symbol]
- EXISTING STRUCTURE: [Symbol]
- PROPOSED STRUCTURE: [Symbol]
- DRAINAGE AREA: [Symbol]
- DRAINAGE DIVIDE: [Symbol]
- STUDY PATH: [Symbol]
- LIMIT OF DISTURBANCE: [Symbol]
- STABILIZED CONSTRUCTION ENTRANCE: [Symbol]
- SILT FENCE: [Symbol]
- SUPER SILT FENCE: [Symbol]
- SOIL STABILIZATION MATTING: [Symbol]
- EARTH DIKE: [Symbol]

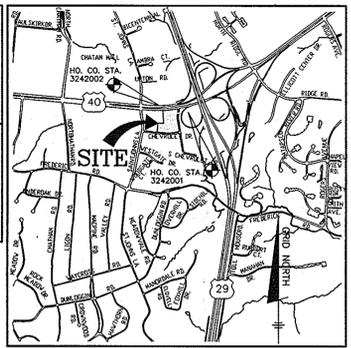
# MILLER CHEVROLET EX. BUILDING EXPANSION AND PROP. BUILDING ADDITION 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND SITE DEVELOPMENT PLAN

**BENCHMARKS NAD'27**

HO. CO. STA. 3242001  
EL.=376.738  
CONC. MONUMENT LOCATED WITHIN RAMP AREA FROM U.S. RTE. 29 SOUTH TO U.S. RTE. 40 EAST

**BENCHMARKS NAD'27**

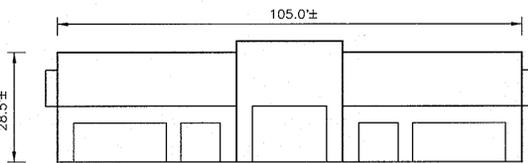
HO. CO. STA. 3242002  
EL.=400.780  
CONC. MONUMENT LOCATED NORTH OF THE SHOULDER OF WESTBOUND ROUTE 40, 150' EAST OF ST. JOHNS LANE.



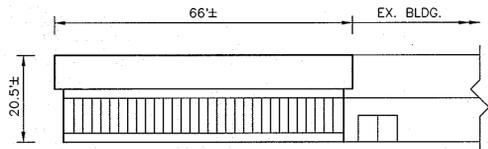
**VICINITY MAP**  
SCALE: 1" = 2000'

**GENERAL NOTES**

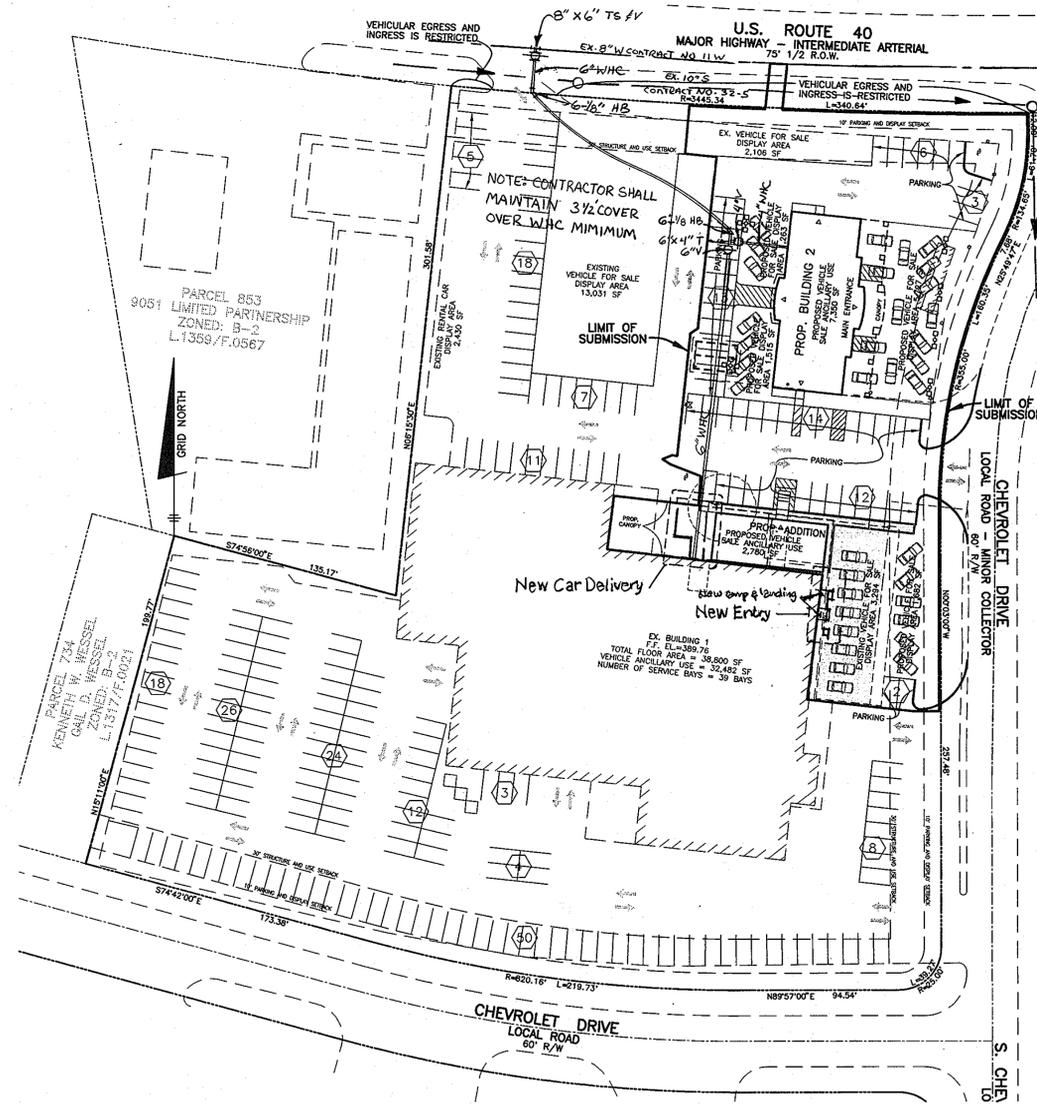
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY, PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS, CONSTRUCTION INSPECTION DIVISION AT 410-313-1880 AT LEAST FIVE(5) WORKING DAYS 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.
- TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE MOST CURRENT EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED.
- THE CONTOURS SHOWN HEREON HAVE BEEN TAKEN FROM A FIELD-RUN TOPOGRAPHIC SURVEY PERFORMED BY BENCHMARK ENGINEERING, INC., DATED JUNE, 2000 AND SUPPLEMENTED WITH AERIAL TOPOGRAPHY PURCHASED FROM HO. CO. GIS DIVISION.
- HORIZONTAL CONTROL IS BASED ON HO. CO. CONTROL STA. 3242001; VERTICAL CONTROL IS AN ASSUMED DATUM.
- WATER FOR THIS PROJECT IS PUBLIC, CONTRACT No.11-W; SEWER FOR THIS PROJECT IS PUBLIC, CONTRACT #32-S. DRAINAGE AREA IS IN THE PATAPSCO WATERSHED.
- THIS PROJECT IS A REDEVELOPMENT OF AN EXISTING IMPERVIOUS AREA AND DOES NOT REQUIRE ADDITIONAL STORMWATER MANAGEMENT TO BE PROVIDED.
- THERE ARE NO WETLANDS OR FLOODPLAIN WITHIN THE AREA OF THIS SUBMISSION.
- THE TRAFFIC STUDY WAS PREPARED BY THE TRAFFIC GROUP, INC. DATED 2000.
- EXISTING UTILITIES SHOWN WERE LOCATED BY RECORD DRAWINGS AND FIELD LOCATIONS.
- UNLESS NOTED AS "PRIVATE", ALL EASEMENTS ARE PUBLIC.
- PREVIOUS DEPARTMENT OF PLANNING AND ZONING REFERENCE NUMBERS INCLUDE: SDP-72-105
- CONTRACTOR SHALL ADJUST ALL UTILITIES AND RIM ELEVATIONS AS NEEDED TO MATCH THIS PLAN.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND LANDSCAPE MANUAL.
- IN ACCORDANCE WITH SECTION 16.1202 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL, THIS SITE HAS FULFILLED FOREST CONSERVATION OBLIGATIONS BY THE FILING OF A DECLARATION OF INTENT FOR THE CLEARING OF LESS THAN 40,000 S.F. OF EX. FOREST ON A SINGLE PARCEL.
- ALL EXTERIOR LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF SECTION 134 OF THE ZONING REGULATIONS. See detail, sheet 2.
- THE SUBJECT PROPERTY IS ZONED B-2 PER THE 1993 COMPREHENSIVE ZONING PLAN.



**FRONT VIEW  
ELEVATION - PROP. BUILDING 2**  
SCALE: 1" = 20'



**FRONT VIEW  
ELEVATION - PROP. ADDITION (BLDG. 1)**  
SCALE: 1" = 20'



**LOCATION PLAN**  
SCALE: 1" = 50'

**HANDICAP PARKING TABULATION**

| FEATURE                   | HANDICAP SPACES REQUIRED | HANDICAP SPACES PROVIDED |
|---------------------------|--------------------------|--------------------------|
| PROPOSED ADDITION BLDG. 1 | 1                        | 1                        |
| PROPOSED BUILDING 2       | 1                        | 1                        |
| <b>TOTAL</b>              | <b>2</b>                 | <b>2</b>                 |

**SITE USES AND PARKING REQUIREMENT CHART**

| FEATURE  | USE   | AREA        | DENSITY          | REQUIREMENT  |
|--|---|-------------|------------------|--------------|
| EXISTING BUILDING                                  | VEHICLE SALES AND RENTAL ANCILLARY USE SERVICE BAYS | 32,482 S.F. | 2 PER 1,000 S.F. | 65.0         |
| NEW BUILDING AND ADDITION                          | VEHICLE SALES AND ANCILLARY USE                     | 16,130 S.F. | 2.0 PER 1000 SF  | 29.3         |
| EXTERIOR DISPLAY (EXISTING TO REMAIN AND PROPOSED) | VEHICLE SALES AND RENTAL EXTERIOR DISPLAY           | 31,048 S.F. | 1.0 PER 1000 SF  | 31.0         |
| <b>TOTAL REQUIREMENT</b>                           |   |             |                  | <b>125.3</b> |
| <b>TOTAL PROPOSED</b>                              |   |             |                  | <b>236</b>   |

**ADDRESS CHART**

| BUILDING NO. | STREET ADDRESS               |
|--------------|------------------------------|
| 1            | 9035 BALTIMORE NATIONAL PIKE |
| 2            | 9025 BALTIMORE NATIONAL PIKE |

**PERMIT INFORMATION CHART**

| PROJECT NAME     | SECTION/AREA | LOT/PARCEL# |
|------------------|--------------|-------------|
| MILLER CHEVROLET | N/A          | PARCEL 1113 |
| DEED REF.        | BLOCK No.    | ZONE        |
| L.3468<br>F.322  | 5            | B-2         |
| WATER CODE       | TAX MAP      | ELEC. DIST. |
| F07              | 24           | 2nd         |
| SEWER CODE       | CENSUS       |             |
| 1403200          | 6023.01      |             |

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*[Signature]*  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

*[Signature]*  
CHIEF, DIVISION OF LAND DEVELOPMENT

*[Signature]*  
DIRECTOR (Acting)

3/1/01 DATE

3/12/01 DATE

3/14/01 DATE

| NO. | DATE    | REVISION                         |
|-----|---------|----------------------------------|
| 6   | 2-28-13 | ADD NEW ENTRY & NEW CAR DELIVERY |
| 7   | 1-02    | ADD NEW 6" WHC                   |

**BENCHMARK ENGINEERING, INC.**

ENGINEERS • LAND SURVEYORS • PLANNERS

8480 BALTIMORE NATIONAL PIKE SUITE 418  
ELLICOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 FAX: 410-465-6644

*[Professional Engineer Seal]*

OWNER/DEVELOPER: MILLER BROTHERS AUTOMOTIVE FAMILY  
9035 BALTIMORE NATIONAL PIKE  
ELLICOTT CITY, MD 21042  
PHONE: 410-465-2100

PROJECT: MILLER CHEVROLET BUILDING EXPANSION/ADDITION

LOCATION: TAX MAP 24 - GRID 5  
PARCEL 1113  
2nd ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

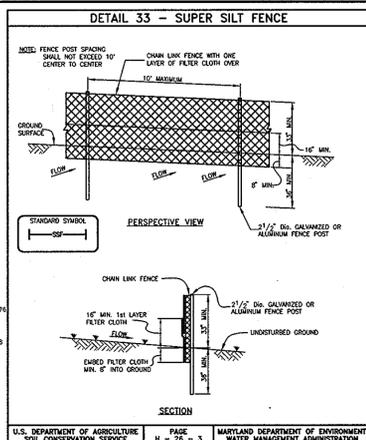
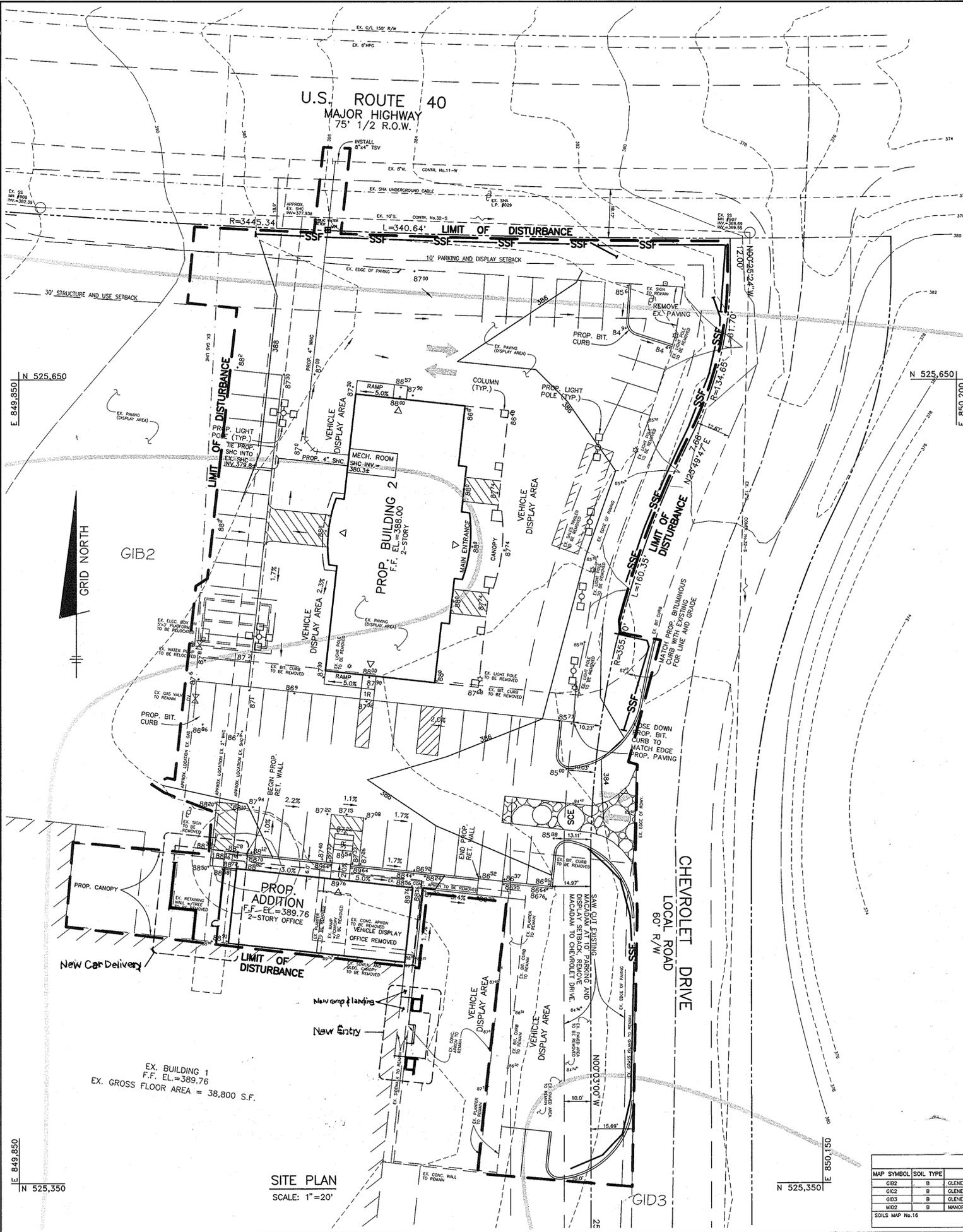
TITLE: COVER SHEET

DATE: SEPTEMBER, 2000  
FEBRUARY, 2001

PROJECT NO. 1377

Des.: MLV/MCR Draft: MCR Check: DAM SCALE: AS SHOWN DRAWING 1 OF 3





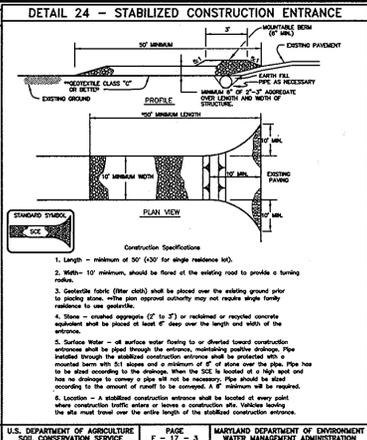
### SUPER SILT FENCE CONSTRUCTION SPECIFICATIONS

- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" for the 48" height.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and cross rods, drive anchors and post caps are not required on the ends of the fence.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" of the top and mid section.
- Filter cloth shall be embedded a minimum of 8" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed on needed and still buildings removed when "bulges" develop in the fill fabric, or when still reaches 50% of fence height.
- Filter cloth shall be fastened securely to each fence post with wire ties or staples of the top and mid section and shall meet the following requirements for Geotextile Class F1:
 

|                      |                 |                |
|----------------------|-----------------|----------------|
| Tensile Strength     | 50 lb/ft (min.) | Test: MSMT 509 |
| Tear Strength        | 10 lb/ft (min.) | Test: MSMT 509 |
| Filtering Efficiency | 75% (min.)      | Test: MSMT 522 |

### SUPER SILT FENCE DESIGN CRITERIA

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



### LEGEND

SOILS CLASSIFICATION: AbC1

SOILS DELINEATION: ---

EXISTING CONTOURS: ---

PROPOSED CONTOURS: ---

EXISTING STRUCTURE: [Symbol]

PROPOSED STRUCTURE: [Symbol]

LIMIT OF DISTURBANCE: [Symbol]

SUPER SILT FENCE: [Symbol]

### 21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

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

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

**Conditions Where Practice Applies**

- This practice is limited to areas having 2:1 or flatter slopes where:
  - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
  - 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.
  - The original soil to be vegetated contains material toxic to plant growth.
  - The soil is so acidic that treatment with limestone is not feasible. If, 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 applied from the existing site may be provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be advanced for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
  - Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1/2" in diameter.
  - Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nutgrass, poison ivy, thistle, or others as specified.
  - 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.
- For sites having disturbed areas under 5 acres:
  - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.
- For sites having disturbed areas over 5 acres:
  - On soil meeting topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
    - 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.
    - Organic content of topsoil shall be not less than 1.5 percent by weight.
    - Topsoil having soluble salt content greater than 500 parts per million shall not be used.
    - No seed or soil 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 phytotoxic materials.
  - Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

**Topsoil Application**

- When topsoiling, maintain needed erosion and sediment control practices such as diversion, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins.
- Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.
- 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 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.
- Topsoil shall not be placed while the topsoil or subsoil is in a frozen or muddy condition, when the ground is excessively wet or in a condition that may otherwise be detrimental to proper grading and seeded preparation. 0-21-2

VI. Alternative to Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

- Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be placed to prescribed concentrations and for sites having disturbed areas under 5 acres shall conform to the following requirements:
  - Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of application of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.
  - Composted sludge shall contain at least 1 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.
  - Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.
  - Composted sludge shall be amended with a potassium fertilizer 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 Institute, Revised 1973.

### SEDMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS AND PERMITS SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION.
- 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 SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THEREOF.
- FOLLOWING INITIAL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1. 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 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.
- 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 SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAVE BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

### TEMPORARY SEEDING PREPARATION

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT).

SEEDING: FOR PERIOD MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT). FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS PER ACRE OF WINTER LOVEGRASS (0.7 LBS/1000 SQ FT). FOR THE PERIOD NOVEMBER 16 THROUGH 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 SQ FT) OF UNROOTED SMALL GRASS 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 FT. 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 COVERED.

### PERMANENT SEEDING PREPARATION

SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ON OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 100 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).
- ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 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 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 LBS/1000 SQ FT) OF WINTER LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH FEBRUARY 28, PROTECT SITE BY: OPTION (1) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) USE SOD. OPTION (3) SEED WITH 60 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELL ANCHORED STRAW.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) OF UNROOTED SMALL GRASS 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.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NECESSARY REPAIRS, REPLACEMENTS AND RESEEDINGS.

### SEQUENCE OF CONSTRUCTION

| DAY       | ACTIVITY  |
|-----------|---|
| DAY 1     | OBTAIN GRADING PERMIT AND UTILITY PERMIT FROM MSHA.   |
| DAY 2-3   | INSTALL SUPER SILT FENCE  |
| DAY 4-8   | REMOVE ONLY PAVING WITHIN LIMITS OF BUILDING ADDITION AND NEW BUILDING CONSTRUCTION   |
| DAY 9-54  | COMMENCE CONSTRUCTION OF BUILDING ADDITION AND NEW BUILDING   |
| DAY 55-65 | REMOVE ADDITIONAL PAVING AS NECESSARY TO GRADE SITE AND INSTALL ANY UNDERGROUND UTILITIES   |
| DAY 66-71 | INSTALL NEW PAVEMENT AND STRIPING   |
| DAY 72-73 | WITH THE APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROL DEVICES AND PERMANENTLY STABILIZE ANY REMAINING DISTURBED AREAS. |

NOTE: SEDIMENT CONTROL LOCATION AND IMPLEMENTATION AS SHOWN ON THESE PLANS IS SUBJECT TO REVIEW IN THE FIELD AT THE DISCRETION OF THE SEDIMENT CONTROL INSPECTOR.

### SOILS LEGEND

| MAP SYMBOL | SOIL TYPE | MAPPING UNIT  |
|------------|-----------|---|
| GIB2       | B         | CLENGLE LOAM - 3 TO 8 PERCENT SLOPES - MODERATELY ERODED  |
| GIC2       | B         | CLENGLE LOAM - 8 TO 15 PERCENT SLOPES - MODERATELY ERODED |
| GID3       | B         | CLENGLE LOAM - 15 TO 25 PERCENT SLOPES - SEVERELY ERODED  |
| MI2        | B         | MANOR LOAM - 15 TO 25 PERCENT SLOPES - SEVERELY ERODED    |

SOILS MAP No.16

BY THE DEVELOPER:  
I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM THE 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.

DEVELOPER: *John* 2/13/01 DATE

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.

ENGINEER: *Donald Mason* 2/12/01 DATE

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

APPROVED: *John R. Robertson* 3/2/01 DATE

FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

APPROVED: *Jim Myers* 3/2/01 DATE

NATURAL RESOURCES CONSERVATION SERVICE

APPROVED: *Chris Hamstra* 3/12/01 DATE

CHIEF, DEVELOPMENT ENGINEERING DIVISION

APPROVED: *Frank S. DeWright* 3/14/01 DATE

DIRECTOR

|  |   |  |
|--|---|--|
| NO. 6-25-17  | ADD NEW ENTRY & NEW CAR DELIVERY                      | REVISION   |
| <b>BENCHMARK</b>   |   |  |
| ENGINEERS • LAND SURVEYORS • PLANNERS  |   |  |
| <b>ENGINEERING, INC.</b>   |   |  |
| 8480 BALTIMORE NATIONAL PIKE & SUITE 418<br>ELLCOTT CITY, MARYLAND 21043<br>PHONE: 410-465-6105 FAX: 410-465-6644  |   |  |
| OWNER/DEVELOPER:   | PROJECT: MILLER CHEVROLET BUILDING EXPANSION/ADDITION |  |
| MILLER BROTHERS AUTOMOTIVE FAMILY<br>9035 BALTIMORE NATIONAL PIKE<br>ELLCOTT CITY, MD 21042<br>PHONE: 410-465-2100 | LOCATION:   | TAX MAP 24 - GRID 5<br>PARCEL 1113<br>2ND ELECTION DISTRICT<br>HOWARD COUNTY, MARYLAND |
| TITLE: SEDIMENT AND EROSION CONTROL PLAN & DETAILS   | DATE: SEPTEMBER, 2000<br>FEBRUARY, 2001               | PROJECT NO. 1377   |
| Des.: MLV/MCR Draft: MCR Check: DAM  | SCALE: AS SHOWN                                       | DRAWING 3 OF 3   |

E 849,850  
N 525,350

SITE PLAN  
SCALE: 1"=20'

N 525,350