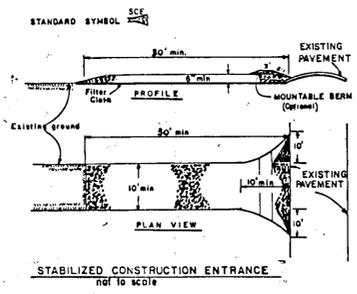


DRIVEWAY DETAIL WITH SIDEWALK SETBACK AND MODIFIED COMBINATION CURB AND GUTTER NOT TO SCALE

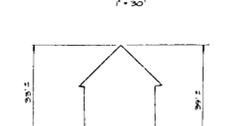
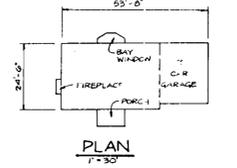


STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE

- CONSTRUCTION SPECIFICATIONS**
- Stone Size - Use 3" stone, or recycled or recycled concrete equivalent.
  - Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
  - Thickness - Not less than 18" (18" minimum).
  - Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
  - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
  - Surface Water - All surface water flowing on diverted road construction entrances shall be piped across the entrance. If piping is impractical, a mountable beam with six (6) slopes will be provided.
  - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleaning of any measures used to trap sediment. All sediment applied, disposed, washed or tracked onto public rights-of-way must be removed immediately.
  - Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area established with stone and which drains into an approved sediment trapping device.
  - Periodic inspection and needed maintenance shall be provided after each rain.

- CONSTRUCTION NOTES FOR PREPARED SILT FENCE**
- High strength polypropylene netting or mesh with 1" to 1.5" fasteners secured to fence posts with wire ties or staples.
  - Filter cloth to be fastened securely to mesh face with ties spaced every 12" at top and bottom.
  - Mesh top sections of filter cloth along gate shall be overlapped by six (6) inches and folded.
  - Maintenance shall be performed as needed and material removed when market develops in the silt fence.
- POSTS:** Steel pipe 1" or 1.5" diameter, 12' high (Actual).
- FASTENERS:** 1/2" x 12" galvanized steel.
- NETTING:** High strength polypropylene netting.
- FILTER CLOTH:** Filter cloth to be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
- PREPARED UNIT:** Geotextile, geogrid, or approved stone.
- SEDIMENT CONTROL NOTES**
- A minimum of 48 hours notice must be given to the HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
  - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
  - 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 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PLANNING PURPOSES (CHS-51) (CHS-52) (CHS-53) (CHS-54) (CHS-55) (CHS-56) (CHS-57) AND MULCHING (CHS-52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING UNITS 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 HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7) SITE ANALYSIS:**
- TOTAL AREA OF SITE: 0.133 ACRES 6000 SF
- AREA TO BE ROOFED OR PAVED: 0.112 ACRES 4870 SF
- AREA TO BE VEGETATIVELY STABILIZED: 0.021 ACRES 930 SF
- TOTAL CUT: 100 CU. YDS.
- TOTAL FILL: 20 CU. YDS.
- OFFSITE WASTE/BORR: AREA LOCATION: SDP-88-229
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
  - ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
  - ALL SEDIMENT TRAPS 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.

- PERMANENT SEEDBED PREPARATIONS**
- SEEDBED 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 ONE OF THE FOLLOWING SCHEDULES:
- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 105/1000 sq ft) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 105/1000 sq ft) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 200 LBS PER ACRE 30-10-10 UREA FORM FERTILIZER (9 105/1000 sq ft).
  - ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 105/1000 sq ft) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 105/1000 sq ft) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30 AND AUGUST 1 THRU OCTOBER 15, SEED WITH 80 LBS PER ACRE (1.4 105/1000 sq ft) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIODS MAY 1 THRU JULY 31, SEED WITH 60 LBS OF KENTUCKY 31 TALL FESCUE PER ACRE AND 1.5 CU. YD. OF BRASSICATED ASPHALT OR FLAT AREAS. ON SLOPES 6 FEET OR HIGHER, USE 340 GALLONS PER ACRE (6 105/1000 sq ft) FOR ANCHORING.
- MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (30 TO 50 105/1000 sq ft) OF UNCHIPPED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 105/1000 sq ft) OF BRASSICATED ASPHALT ON FLAT AREAS. ON SLOPES 6 FEET OR HIGHER, USE 340 GALLONS PER ACRE (6 105/1000 sq ft) FOR ANCHORING.
- MAINTENANCE: INSPECT ALL SEEDBED AREAS AND MAKE NECESSARY REPAIRS, REPLACEMENTS AND RESEEDINGS.
- TEMPORARY SEEDBED PREPARATION**
- APPLY TO GRADED OR CLEANED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDBED 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 (12 105/1000 sq ft).
- SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 1 THRU NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 105/1000 sq ft). FOR THE PERIODS MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF PERENNIAL BROMEGRASS (1.07 105/1000 sq ft). FOR THE PERIODS NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WHEAT ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOIL.
- ANCHORING: APPLY 1-1/2 TO 2 TONS PER ACRE (30 TO 50 105/1000 sq ft) OF UNCHIPPED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 105/1000 sq ft) OF BRASSICATED ASPHALT ON FLAT AREAS. ON SLOPES 6 FEET OR HIGHER, USE 340 GALLONS PER ACRE (6 105/1000 sq ft) FOR ANCHORING.
- REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



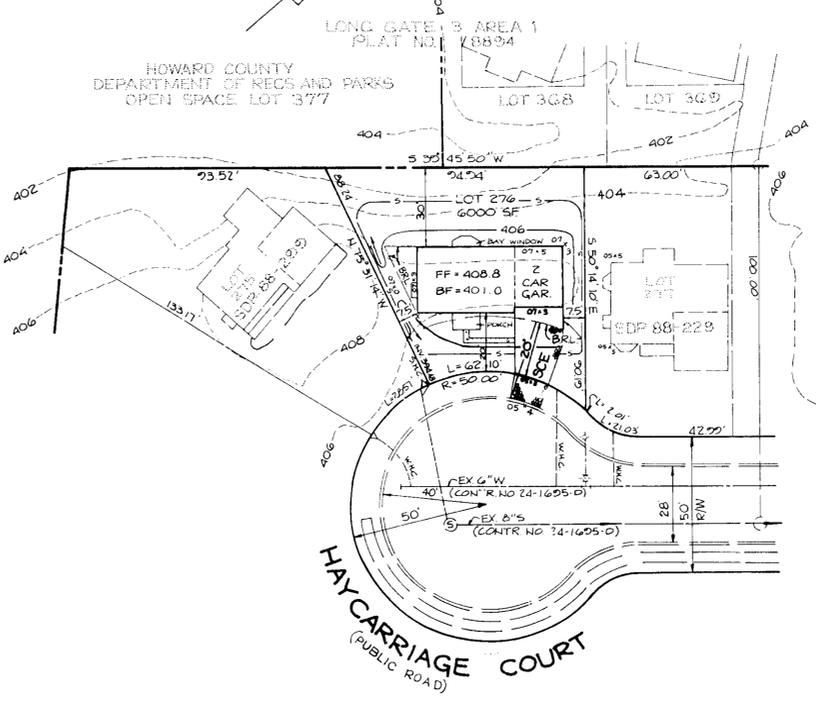
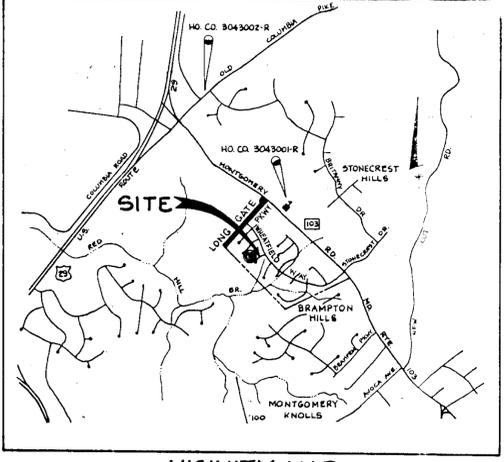
- SEQUENCE OF CONSTRUCTION**
- DAY 1: OBTAIN GRADING PERMIT
- DAY 2: INSTALL SEDIMENT CONTROL DEVICES
- DAY 3: GRADE SITE
- DAY 4-34 COMPLETE CONSTRUCTION ON LOT
- DAY 35: UPON APPROVAL OF THE SEDIMENT CONTROL INSPECTION, REMOVE ALL SEDIMENT CONTROL DEVICES AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDBED NOTES.

**BENCH MARK DISCRPTION**

HO CO 343001 ELEV 437.92  
CONCRETE MONUMENT AT C IN TRANSMISSION LINES BACK OF SCHOOL.

HO CO 3043007-R ELEV 377.58  
CONCRETE MONUMENT 0.5' BELOW SURFACE 14' NW 9' OLD COLUMBIA PIKE 175' ENE OF COOKS LANE.

- GENERAL NOTES**
- ALL ROADWAYS ARE PUBLIC AND EXISTING.
  - ANY DAMAGE TO COUNTY OWNED RIGHT-OF-WAY SHALL BE CORRECTED AT THE DEVELOPER'S EXPENSE.
  - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION SURVEY DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 992-2437 OR 992-2418.
  - THE MAXIMUM LOT COVERAGE IS 40% PER LOT EXISTING ZONING RSC.
  - TOPU TAKEN FROM AERIAL PHOTOGRAMMETRY BY MAPPING ASSOCIATES DATED AUGUST, 1988.
  - PUBLIC WATER AND SEWER SHOWN FOR REFERENCE ONLY. FOR MORE DETAILED INFORMATION, WATER AND SEWER PLANS CONTRACT NO. 24-1695-D.
  - STORMWATER MANAGEMENT FOR THIS SITE IS PROVIDED UNDER LONG GATE SECTION 2, AREA 2, F-87-197.
  - PORCH ENCROACHMENTS OVER THE BUILDING RESTRICTION LINE SHALL BE IN ACCORDANCE WITH SECTION 12B OF THE HOWARD COUNTY ZONING REGULATIONS.



PLAN SCALE: 1" = 30'

**NOTE:** STABILIZED CONSTRUCTION ENTRANCE IS TO BE PLACED IN THE DRIVEWAY DURING CONSTRUCTION. SEE DETAIL.

SILT FENCE SHOWN ON PLAN IS TO BE IN PLACE DURING CONSTRUCTION.

**SITE ANALYSIS**

ZONING: R3C

UNIT TYPE: SINGLE FAMILY

NO. OF UNITS: 1

MAX. BLDG. COVERAGE: 40%

TOTAL LOT AREA: 6000 SF.

ADDRESS CHART					
LOT NO.		STREET ADDRESS			
276	8724	HAYCARRIAGE COURT			
SUBDIVISION NAME	SECT./AREA	PARCEL/LOT NO.			
LONG GATE	2 / 2	276			
PLAT NO./L.P.	BLOCK/ZONE	TAX / ZONE MAP	ELEC. DIST.	ZONING TR.	
7993	6 R3C	30	2	6023.02	
WATER CODE		SEWER CODE			
F-00		5150638			

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

*James M. Helm* 9/9/91  
SOIL CONSERVATION SERVICE

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

*John L. Rhutan* 9/9/91  
HOWARD S.C.D.

DATE

BY THE DEVELOPER:

"I/WE 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 AT A DEPARTMENT OF NATURAL RESOURCES 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."

*Matthew J. Mundorf* 9/3/91  
DEVELOPER: 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."

*John C. Cloninger* 9-3-91  
ENGINEER: DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

*John C. Cloninger* 9-24-91  
COUNTY HEALTH OFFICER DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

*James M. Helm* 9-20-91  
DIRECTOR DATE

*William E. Riden* 9-19-91  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*John S. Helm* 10/2/91  
*John S. Helm* 9/30/91  
DIRECTOR DATE

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

planning • architecture • engineering

8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105

**OWNER**

MATTHEW MUNDORF  
8930 TOWN AND COUNTRY BLVD  
ELLCOTT CITY, MARYLAND 21043

**DEVELOPER**

MATTHEW MUNDORF  
8930 TOWN AND COUNTRY BLVD  
ELLCOTT CITY, MARYLAND 21043

**PROJECT**

LONG GATE SECTION 2, AREA 2

**LOCATION**

TAX MAP NO. 30  
ZONING MAP NO. 30 PARCEL  
2 HD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

**TITLE**

SITE DEVELOPMENT PLAN  
(SINGLE FAMILY DETACHED DWELLING)

5-87-11 P-87-41 F-87-197 SDP-92-19

DATE AUGUST 1, 1991 PROJECT NO. 0415  
SEPTEMBER 3, 1991

SCALE AS SHOWN DRAWING 1 OF 1

DES. DAM DRN. CAB