

LAYOUT \_\_\_\_\_ INSP 4 \_\_\_\_\_  
INSP 2 \_\_\_\_\_ INSP 5 \_\_\_\_\_  
INSP 3 \_\_\_\_\_ INSP 6 \_\_\_\_\_

ISSUE DATE: 07/10/2006

APPROVAL DATE: 9/12/06

# PERMIT

INDEXED

TAX ID #04-327012

P 525146

A 523<sup>2</sup>35

## ON-SITE SEWAGE DISPOSAL SYSTEM HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH

Patuxent Builders, Inc IS PERMITTED TO INSTALL  ALTER

ADDRESS: 2435 Duvall Road PHONE NUMBER: 410-489-0833

SUBDIVISION: Reed Property LOT NUMBER: 1

ADDRESS: 2065 Duvall Road PROPERTY OWNER: Patuxent Builders, Inc.

SEPTIC TANK CAPACITY (GALLONS): 1250 OUTLET BAFFLE FILTER REQUIRED

PUMP CHAMBER CAPACITY (GALLONS): n/a COMPARTMENTED TANK REQUIRED

NUMBER OF BEDROOMS: 4

SQUARE FEET PER BEDROOM: 240

LINEAR FEET OF TRENCH REQUIRED: 320 HOUSE SERVED BY PUBLIC WATER

|           |   |
|-----------|---|
| TRENCHES: | Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 6.5 feet below original grade. Effective area begins at 6.0 feet below original grade. 3.5 feet of stone below distribution pipe. |
| LOCATION: | Install the septic system as shown on the approved building permit plan.  |
| NOTES:    | Basement service by gravity.  |

PLANS APPROVED: Pete Yencsik/Sara Fegel DATE: 5/12/06

NOTES: PERMIT VOID AFTER 2 YEARS  
CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  
WATERTIGHT SEPTIC TANKS REQUIRED  
ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  
MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED  
CONTRACTOR RESPONSIBLE FOR COMPLIANCE WITH APPLICABLE REGULATIONS, GUIDELINES AND THE TERMS OF THIS PERMIT

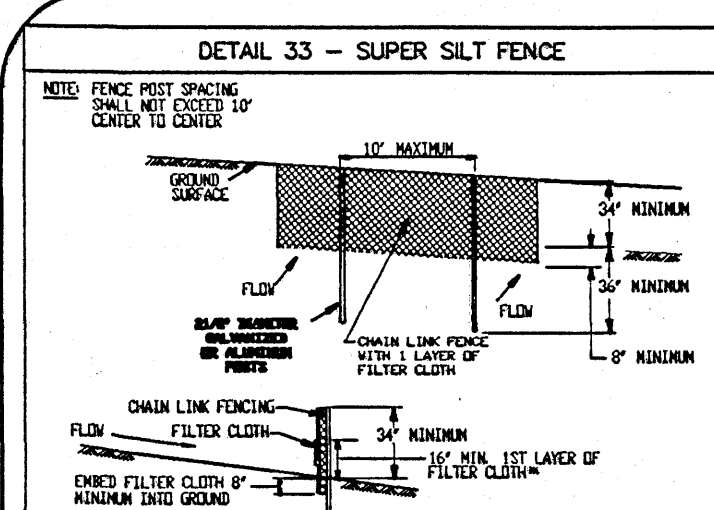
**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS  
RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM  
PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT  
CALL 410-313-1771 FOR INSPECTION OF SEPTIC SYSTEM**

**BUILDING PERMIT SIGNED  
AND RETURNED**

8/28/06 B06003110 1000 gal UG LP Tank  
7/26/06 24X24 Pole Barn B06002554

4523235



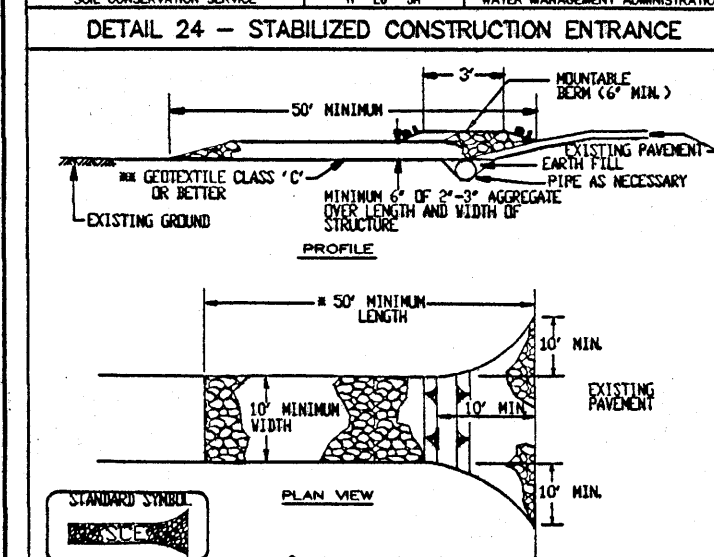


CONSTRUCTION SPECIFICATIONS

- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Detour for Chain Link Fencing. The specification for a 42" fence shall be used, substituting 42" fabric and 6" posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The upper tension wire shall be secured to the posts with wire ties or staples at the top and bottom and shall meet the following requirements for Galvalume Class 7:
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 48" at the top and bottom.
- Filter cloth shall be embedded a minimum of 6" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and all bulges removed when "bulging" develops in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and bottom and shall meet the following requirements for Galvalume Class 7:

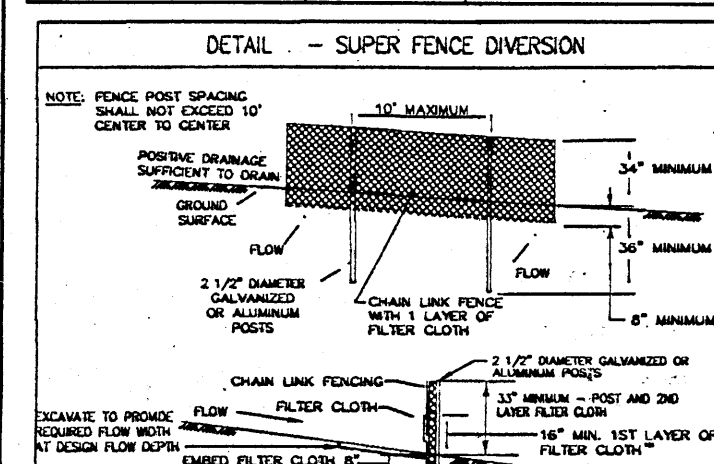
| Designation      | Height | Material          | Post Spacing |
|------------------|--------|-------------------|--------------|
| Super Silt Fence | 42"    | Galvalume Class 7 | 6"           |

| Slope    | Slope Stakes | Slope Length | Silt Fence Length |
|----------|--------------|--------------|-------------------|
| 0 - 10%  | 0 - 10'      | Unlimited    | Unlimited         |
| 10 - 20% | 10' 1 - 5'   | 200 feet     | 1,500 feet        |
| 20 - 30% | 5' 1 - 3'    | 100 feet     | 1,000 feet        |
| 30 - 40% | 3' 1 - 2'    | 50 feet      | 500 feet          |
| 40% +    | 2' 1 - 1'    | 30 feet      | 250 feet          |



CONSTRUCTION SPECIFICATIONS

- Length - Minimum of 50' (40' for single residence lots).
- Width - 10' minimum, should be fixed at the existing road to provide a turning radius.
- Structure - Structure shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use galvalume.
- Structure - Structure shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use galvalume.
- Structure - Structure shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use galvalume.



CONSTRUCTION SPECIFICATIONS

- Soil and cover with straw mulch.
- Structure - Structure shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use galvalume.
- Structure - Structure shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use galvalume.
- Structure - Structure shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use galvalume.

CONSTRUCTION SPECIFICATIONS

- The posts do not need to set in concrete.
- Chain link fence shall be fastened securely to the fence posts with wire ties or staples.
- Filter cloth and erosion control matting shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 6" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and all bulges removed when "bulging" develops in the silt fence.
- All temporary S/D dikes shall have unimpaired positive grade to an outlet. Soil erosion may be necessary to provide free flow.
- Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.
- Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.
- All trees, brush, stumps, obstructions and other objectionable materials shall be removed and disposed of so as not to interfere with the proper functioning of the site.
- The site shall be excavated or shaped to fit, grade and free of bank projections or other irregularities which may impede runoff flow.
- Fill shall be compacted by earth moving equipment.
- All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the site.

I HEREBY CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION CONTROLS REPRESENTED ON THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF ENVIRONMENTAL AND PLANNING SERVICES PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING WORK. I ALSO CERTIFY THAT I AM A PERIODIC ON-SITE INSPECTOR BY THE HOWARD COUNTY CONSERVATION DISTRICT.

**Jim M. R. Rushing** 4/13/06  
**Jim M. R. Rushing** 4/13/06  
**Jim M. R. Rushing** 4/13/06

THE EXISTING WELL SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER: HO-95-0168 HAS BEEN FIELD LOCATED BY MILDENBERG, BOENDER & ASSOCIATES, INC. PROFESSIONAL LAND SURVEYORS, AND IS ACCURATELY SHOWN.

| Item                       | Elevation |
|----------------------------|-----------|
| FIRST FLOOR ELEV.          | = 607.93  |
| BASEMENT ELEV.             | = 598.10  |
| INV. OUT OF HOUSE          | = 596.10  |
| INV. IN SEPTIC TANK        | = 595.30  |
| INV. OUT SEPTIC TANK       | = 595.05  |
| INV. IN DIST. BOX          | = 595.00  |
| EXIST. ELEV. @ SEPTIC TANK | = 599.80  |
| PROP. ELEV. @ SEPTIC TANK  | = 599.00  |
| EXIST. ELEV. @ DIST. BOX   | = 599.00  |

**OWNER/DEVELOPER**  
 CARL L. REED AND WIFE  
 2045 DUVALL ROAD  
 WOODBINE, MARYLAND 21797

**ARCHITECT**  
 JERRY RUSHING  
 2435 DUVALL ROAD  
 WOODBINE, MARYLAND 21797  
 (410) 489-0833

**CONTRACTOR**  
 PATUXENT BUILDERS INC.  
 2435 DUVALL ROAD  
 WOODBINE, MARYLAND 21797  
 (410) 489-0833

**DESIGNER**  
 JERRY RUSHING  
 2435 DUVALL ROAD  
 WOODBINE, MARYLAND 21797  
 (410) 489-0833

**CONTRACTOR**  
 PATUXENT BUILDERS INC.  
 2435 DUVALL ROAD  
 WOODBINE, MARYLAND 21797  
 (410) 489-0833

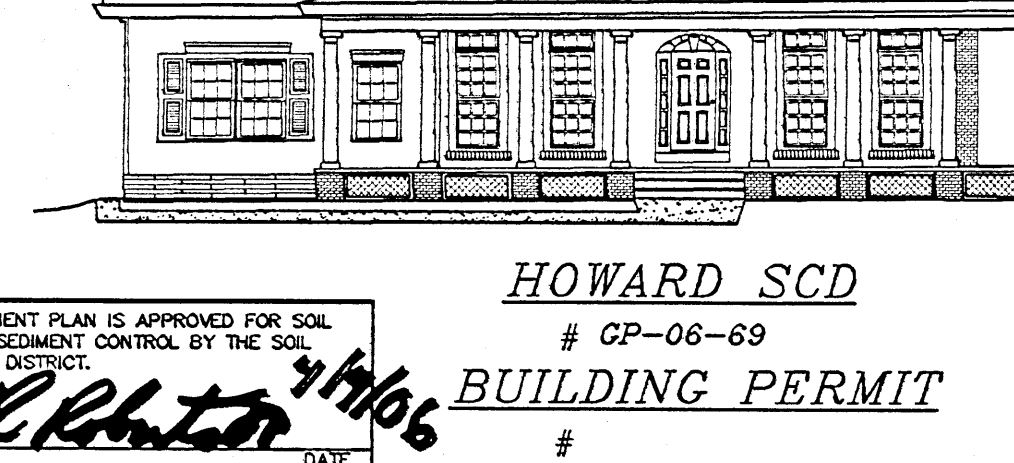
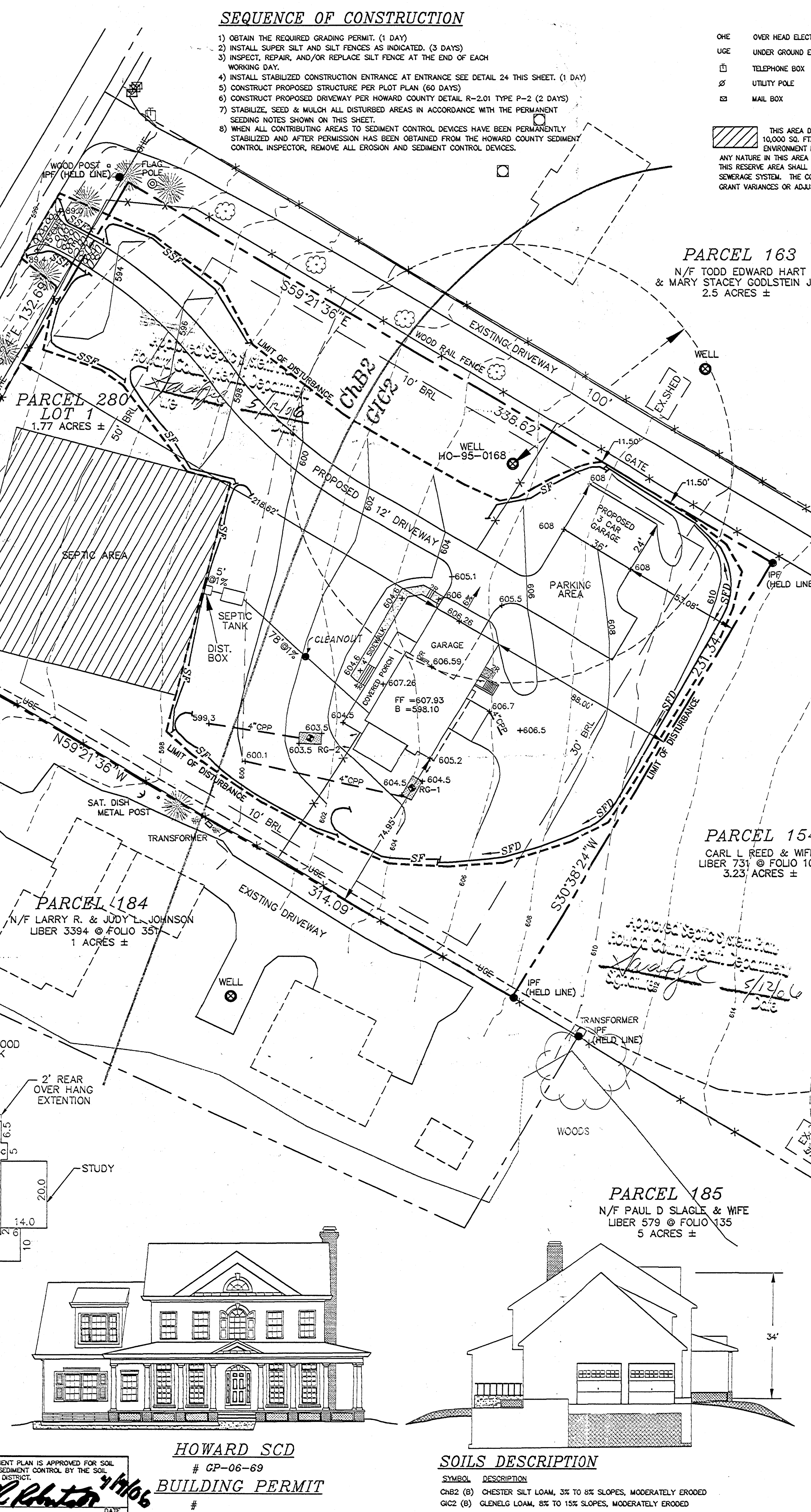
**CONTRACTOR**  
 PATUXENT BUILDERS INC.  
 2435 DUVALL ROAD  
 WOODBINE, MARYLAND 21797  
 (410) 489-0833

**CONTRACTOR**  
 PATUXENT BUILDERS INC.  
 2435 DUVALL ROAD  
 WOODBINE, MARYLAND 21797  
 (410) 489-0833

**CONTRACTOR**  
 PATUXENT BUILDERS INC.  
 2435 DUVALL ROAD  
 WOODBINE, MARYLAND 21797  
 (410) 489-0833

**CONTRACTOR**  
 PATUXENT BUILDERS INC.  
 2435 DUVALL ROAD  
 WOODBINE, MARYLAND 21797  
 (410) 489-0833

**CONTRACTOR**  
 PATUXENT BUILDERS INC.  
 2435 DUVALL ROAD  
 WOODBINE, MARYLAND 21797  
 (410) 489-0833



**HOWARD SCD**  
 # GP-06-69  
**BUILDING PERMIT**

**SOILS DESCRIPTION**  
 CH2 (B) CHESTER SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED  
 G2C (B) GLENGLD LOAM, 8% TO 15% SLOPES, MODERATELY ERODED

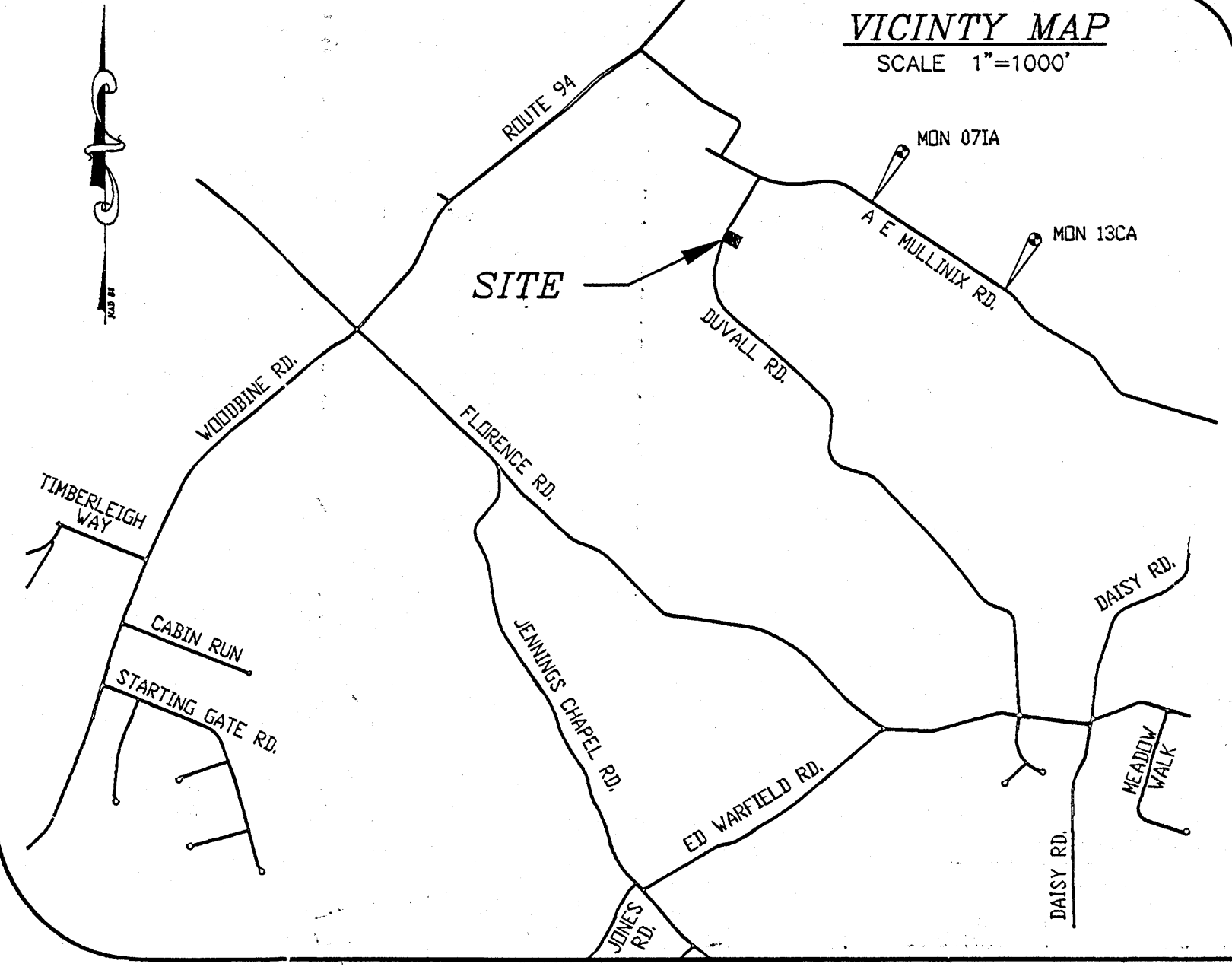
**SEQUENCE OF CONSTRUCTION**

- OBTAIN THE REQUIRED GRADING PERMIT. (1 DAY)
- INSTALL SUPER SILT AND SILT FENCES AS INDICATED. (3 DAYS)
- INSPECT, REPAIR, AND/OR REPLACE SILT FENCE AT THE END OF EACH WORKING DAY.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE AT ENTRANCE SEE DETAIL 24 THIS SHEET. (1 DAY)
- CONSTRUCT PROPOSED STRUCTURE PER PLOT PLAN (60 DAYS)
- CONSTRUCT PROPOSED DRIVEWAY PER HOWARD COUNTY DETAIL R-2.01 TYPE P-2 (2 DAYS)
- STABILIZE, SEED & MULCH ALL DISTURBED AREAS IN ACCORDANCE WITH THE PERMANENT SEEDING NOTES SHOWN ON THIS SHEET.
- WHEN ALL CONTRIBUTING AREAS TO DISPERSED CONTROL DEVICES HAVE BEEN PERMANENTLY STABILIZED AND AFTER PERMISSION HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL EROSION AND SEDIMENT CONTROL DEVICES.

**LEGEND**

- OVER HEAD ELECTRIC LINES
- UNDER GROUND ELECTRIC (PAINT)
- TELEPHONE BOX
- UTILITY POLE
- MAIL BOX
- FENCE LINE
- LIMIT OF DISTURBANCE
- SUPER SILT FENCE
- SUPER FENCE DIVERSION
- SEPTIC CLEAN OUT
- WELL

THIS AREA DESIGNATES A PRIVATE SEWERAGE RESERVE AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS RESERVE AREA SHALL BECOME NULLED AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES OR ADJUSTMENTS TO THE PRIVATE SEWERAGE RESERVE AREA.



**GENERAL NOTES**

- PROJECT BACKGROUND: TAX MAP 13, PARCEL 280, GRID 4, LOT 1. ELECTION DISTRICT: FOURTH ZONING: RR-DEO. DEED REFERENCE: LIBER 741 FOLIO 485. TOTAL LOT AREA: 1.77 AC. PROPOSED USE: SINGLE FAMILY DETACHED.
- THE SUBJECT PROPERTY IS ZONED RR-DEO PER THE 02/02/04 COMPREHENSIVE ZONING PLAN.
- THE SUBJECT PROPERTY IS LOCATED APPROXIMATELY 1,500 FEET SOUTH OF THE INTERSECTION OF A.E. MULLINX ROAD AND DUVALL ROAD, ALONG THE SOUTH EAST SIDE OF DUVALL ROAD.
- BOUNDARY & TOPOGRAPHY SURVEY IS BASED ON A FIELD RUN SURVEY BY MILDENBERG, BOENDER & ASSOC., INC. IN OCTOBER 2004.
- THE HORIZONTAL AND VERTICAL DATUM SHOWN HEREON ARE BASED ON NAD 83 & NAVD 83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY. GEODETIC CONTROL STATIONS 07A AND 13CA CONSIST OF A STAMPED DISC SET ON TOP OF A CONCRETE COLUMN.
- STATION NO. 07A: N 601099.947, E 1288753.57, ELEV 584.563. STATION NO. 13CA: N 599676.026, E 1290946.55, ELEV 586.855.
- PRIVATE WATER AND SEWERAGE SYSTEMS WILL BE UTILIZED.
- PROPERTY IS LOCATED OUTSIDE THE METROPOLITAN DISTRICT. SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED JULY 1968.
- NO HISTORICAL STRUCTURES, BURIAL GROUNDS OR CEMETERIES EXIST ON-SITE.
- NO FLOODPLAIN OR WETLANDS EXISTS ON-SITE.
- STEEP SLOPES 25% OR GREATER WITH A CONTIGUOUS AREA OVER 20,000 SQ.FT. DO NOT EXIST ON SITE.
- PROJECT WILL USE STANDARD SEDIMENT CONTROL MEASURES AND STORMWATER MANAGEMENT WAS PROVIDED IN ACCORDANCE WITH THE 2000 MARYLAND STORMWATER MANAGEMENT DESIGN MANUAL VOLUMES I & II. W/ NON-ROOFTOP DISCONNECTION AND ROOFTOP DISCONNECTION CREDITS.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES ON SITE PRIOR TO COMMENCING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTIONS DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS PRIOR TO ANY EXCAVATION WORK: VERIZON TELEPHONE COMPANY (410) 725-9876. HOWARD COUNTY BUREAU OF UTILITIES (410) 313-4900. AT&T CABLE LOCATION DIVISION (410) 393-3533. BALTIMORE GAS ELECTRIC (410) 656-0123. STATE HIGHWAY ADMINISTRATION (410) 531-5533.
- IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS, ANY WINDOWS, ARCADES, CRIMINALS, OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY SETBACKS, PORCHES OR DECKS. OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD SETBACK.
- DRIVEWAY APPROX SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD R-6.06.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT TO ENSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS: A) WIDTH - 12 FEET (14 FEET SERVING MORE THAN ONE RESIDENT). B) SURFACE - 6 INCHES OF COMPACTED CRUSHER RUN BASE WITH TAR AND CHIP COATING (1 1/2"). C) GEOMETRY - MAXIMUM 14% GRADE, MAXIMUM 10% GRADE CHANGE AND MINIMUM OF 45 FOOT TURNING RADIUS. D) STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (H25 LOADING). E) DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100 YEAR FLOOD PLAN WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE. F) STRUCTURE CLEARANCES - MINIMUM 12 INCHES G) MAINTENANCE - SUFFICIENT TO ENSURE ALL WEATHER USE.

**TEMPORARY SEEDING NOTES**

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, DISKING 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 PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL FIVE (5.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (07 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU NOVEMBER 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE 300. MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNWROTTED WEE FREE SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GAL PER ACRE (5 GAL/1000 SQ.FT.) FOR ANCHORING.

**PERMANENT SEEDING NOTES**

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-TERM VEGETATIVE COVER IS NEEDED. SEEDING PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED. SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES: 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS./1000 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.) BEFORE SEEDING. HARRROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 70 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (5 LBS./1000 SQ.FT.). 2) 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. HARRROW OR DISK INTO UPPER THREE INCHES OF SOIL. 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 PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE 300. OPTION (3) - SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELLS ANCHORED STRAW. MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNWROTTED 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 (8 GAL/1000 SQ.FT.) FOR ANCHORING.

**DUST CONTROL MEASURES**

- MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY. MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.
- VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
- WINDLAGE - TO PROTECT SURFACE AND BRING CLOSURE TO THE SURFACE. THIS IS AN EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS APPLIED ABOUT 12" APART, SPRING-TOOTHED HARRROWS, AND SIMILAR PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED. AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THAT RUNOFF BEGINS TO FLOW.
- BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILAR MATERIAL CAN BE USED TO CONTROL RUN CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVAL OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING SOIL BLOWING.
- CALCIUM CHLORIDE - APPLY AT RATES THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

**STANDARD SEDIMENT CONTROL NOTES**

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (013-1855).
- 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.
- 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.
- ALL SEDIMENT TRAPS/BASINS 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 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SEC.51), S00 (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC.52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATAS DO NOT ALLOW FOR PROPER SEEDING AND ESTABLISHMENT OF GRASSES.
- 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.
- SITE ANALYSIS: TOTAL AREA OF SITE: ACRES 1.77 ±. AREA TO BE ROOFED OR PAVED: ACRES 0.24 ±. AREA TO BE VEGETATIVELY STABILIZED: ACRES 0.81 ±. TOTAL FILL: CU. YDS. 600. TOTAL BORROW AREA LOCATION: (NOT REQUIRED).
- NOTE: THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN QUANTITY MEASUREMENTS.
- 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 CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE OBTAINED 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.
- TRUCKS FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

| Project | date       | description  | revisions |
|---------|------------|--------------|-----------|
| 05-025  | APRIL 2006 | engineering  |           |
|         |            | illustration |           |
|         |            | DJF          |           |
|         |            | scale        | 1" = 30'  |
|         |            | approval     | JBM       |

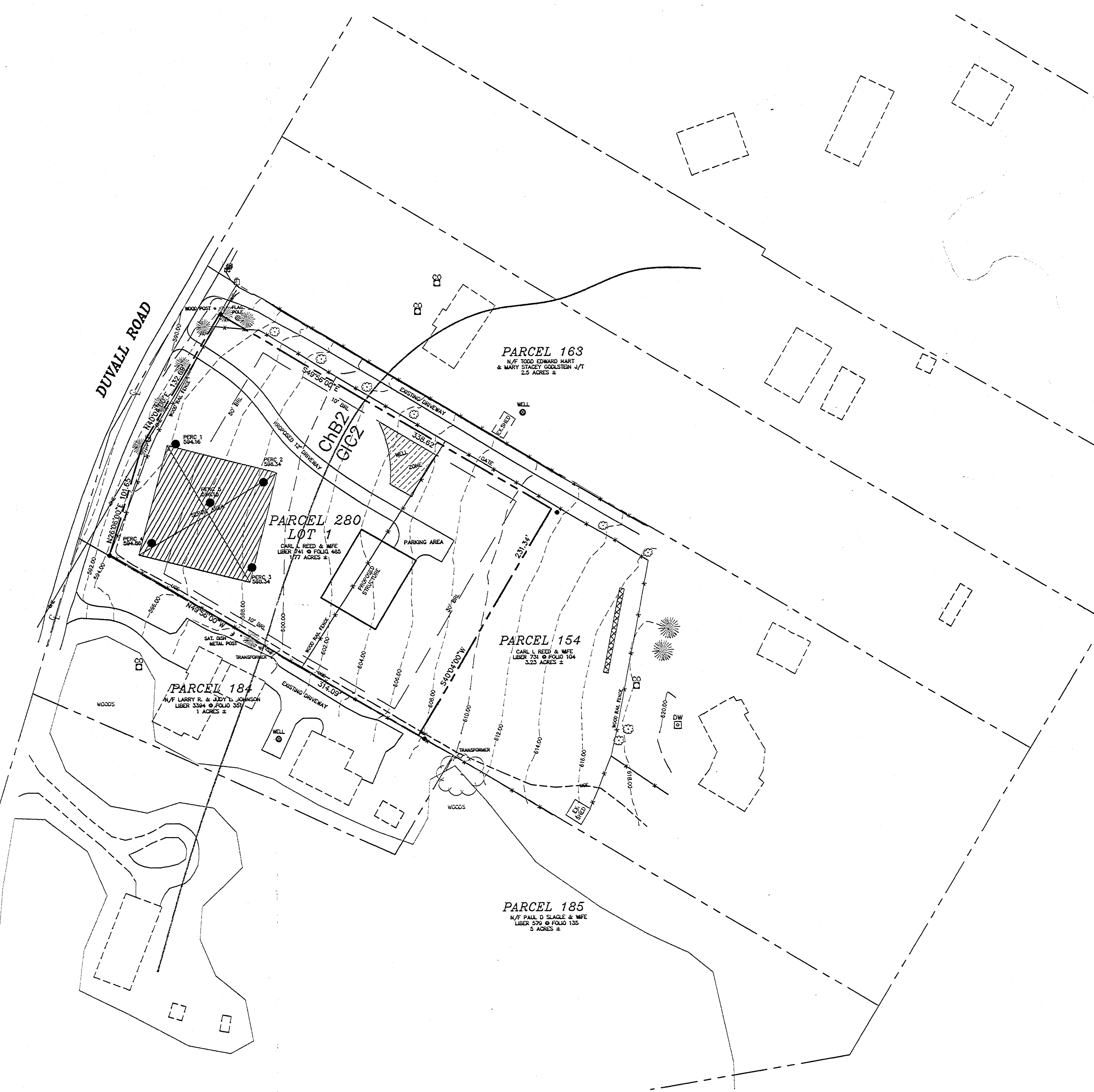
| no. | date | description | revisions |
|-----|------|-------------|-----------|
| 1   |      |             |           |

**REED PROPERTY**  
 LOT 1  
 TAX MAP 13 - GRID 04 - PARCEL 280  
 FOURTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Surveyors  
 Engineers  
 Planners  
 5092 Dorsney Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 987-0296 Fax. (801) 621-5551 Wash. (410) 987-0288 Fax.



DUVALL ROAD



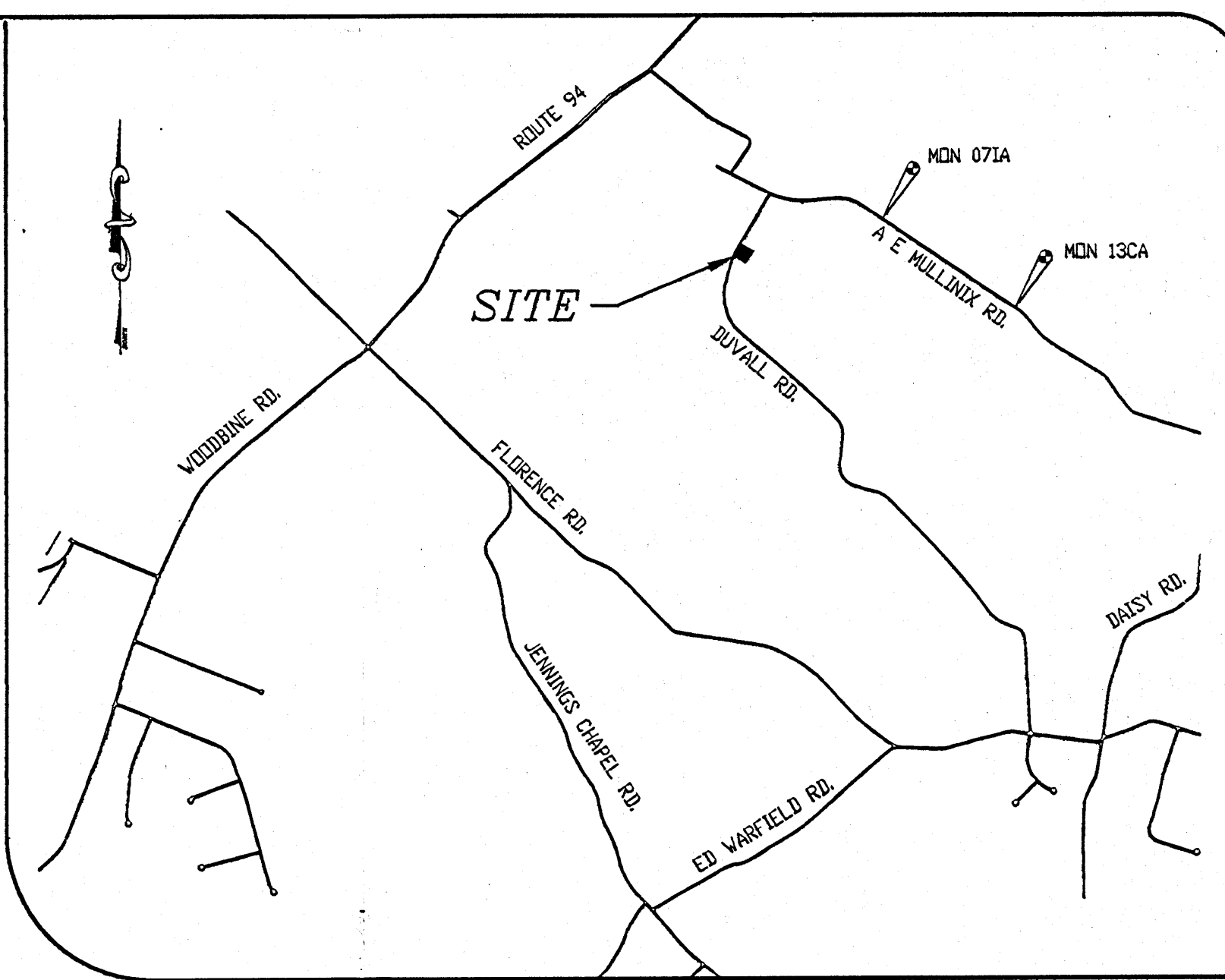
PARCEL 163  
N/E TODD EDWARD HART  
& MARY STACEY GOOLSTEIN J/T  
2.5 ACRES ±

PARCEL 280  
LOT 1  
CARL L. REED & WIFE  
LIBER 741 OF FOLIO 485  
1.77 ACRES ±

PARCEL 154  
CARL L. REED & WIFE  
LIBER 741 OF FOLIO 485  
1.77 ACRES ±

PARCEL 184  
N/E LARRY R. & DEBRA JOHNSON  
LIBER 206 OF FOLIO 221  
1 ACRES ±

PARCEL 185  
N/E PAUL D. SAGLE & WIFE  
LIBER 576 OF FOLIO 135  
5 ACRES ±



VICINITY MAP  
SCALE 1"=1000'

**GENERAL NOTES:**

- SUBJECT PROPERTY ZONED RC-DEO PER THE 10/18/93 COMPREHENSIVE ZONING PLAN.
- BOUNDARY SHOWN HEREON IS BASED ON DEED INFORMATION.
- SITE LOCATION :  
TAX MAP 13, PARCEL 280, LOT 1  
DEED REFERENCE : LIBER 741 OF FOLIO 485  
SITE AREA : 1.77 ACRES ±
- TOPOGRAPHIC DATA SHOWN HEREON IS BASED ON FIELD RUN SURVEY BY MILDENBERG, BOENDER AND ASSOC. ON OR ABOUT OCTOBER 4 2005.
- BASED ON AVAILABLE COUNTY DATA, NO HISTORIC STRUCTURES OR BURIAL GROUNDS EXIST ON SITE.
- SOILS DATA BASED ON HOWARD COUNTY SOIL SURVEY DATED 1968, SHEET 06.
- PRIVATE WATER AND PRIVATE SEWERAGE WILL BE UTILIZED.
- BASED ON PRELIMINARY INVESTIGATION, NO WETLANDS EXIST ON-SITE.
- NO FLOODPLAIN EXISTS ON-SITE.
- THE SUBJECT PROPERTY IS LOCATED APPROXIMATELY 1,500 FEET SOUTHWEST OF THE INTERSECTION OF A E MULLINX ROAD AND DUVALL ROAD, ALONG THE SOUTH EAST SIDE OF DUVALL ROAD.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT, & RECORDATION OF A MODIFIED EASEMENT SHALL NOT BE NECESSARY.
- TO THE BEST OF OUR KNOWLEDGE ALL ADJACENT WELL AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.

**SOILS DESCRIPTION**

| SYMBOL   | DESCRIPTION   |
|----------|---|
| CHB2 (B) | CHESTER SILT LOAM, 3% TO 8% SLOPES, MODERATELY ERODED |
| GIC2 (B) | GLENELG LOAM, 8% TO 15% SLOPES, MODERATELY ERODED     |

**SEWERAGE DISPOSAL FIELDS**

|      |                   |
|------|-------------------|
| CHB2 | - SLIGHT          |
| GIC2 | - MODERATE SLOPES |

**LEGEND**

|  |                               |  |                          |
|--|-------------------------------|--|--------------------------|
|  | EXISTING SEPTIC FIELDS        |  | PROPOSED SEPTIC EASEMENT |
|  | OVER HEAD ELECTRIC LINES      |  | SEPTIC CLEAN OUT         |
|  | UNDER GROUND ELECTRIC (PAINT) |  | WELL                     |
|  | TELEPHONE BOX                 |  | PASSED PERC HOLES        |
|  | UTILITY POLE                  |  | FAILED PERC HOLES        |
|  | MAIL BOX                      |  |                          |

THE PLAN PREPARER HAS INSPECTED THE SITE AND THE INFORMATION IS ACCURATE AS SHOWN.

*Don Chisel* 10/17/05  
MILDENBERG, BOENDER & ASSOC., INC. DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*Prunty E. Rosenztein MD* 10/18/05  
HOWARD COUNTY HEALTH OFFICER PAX 105 DATE



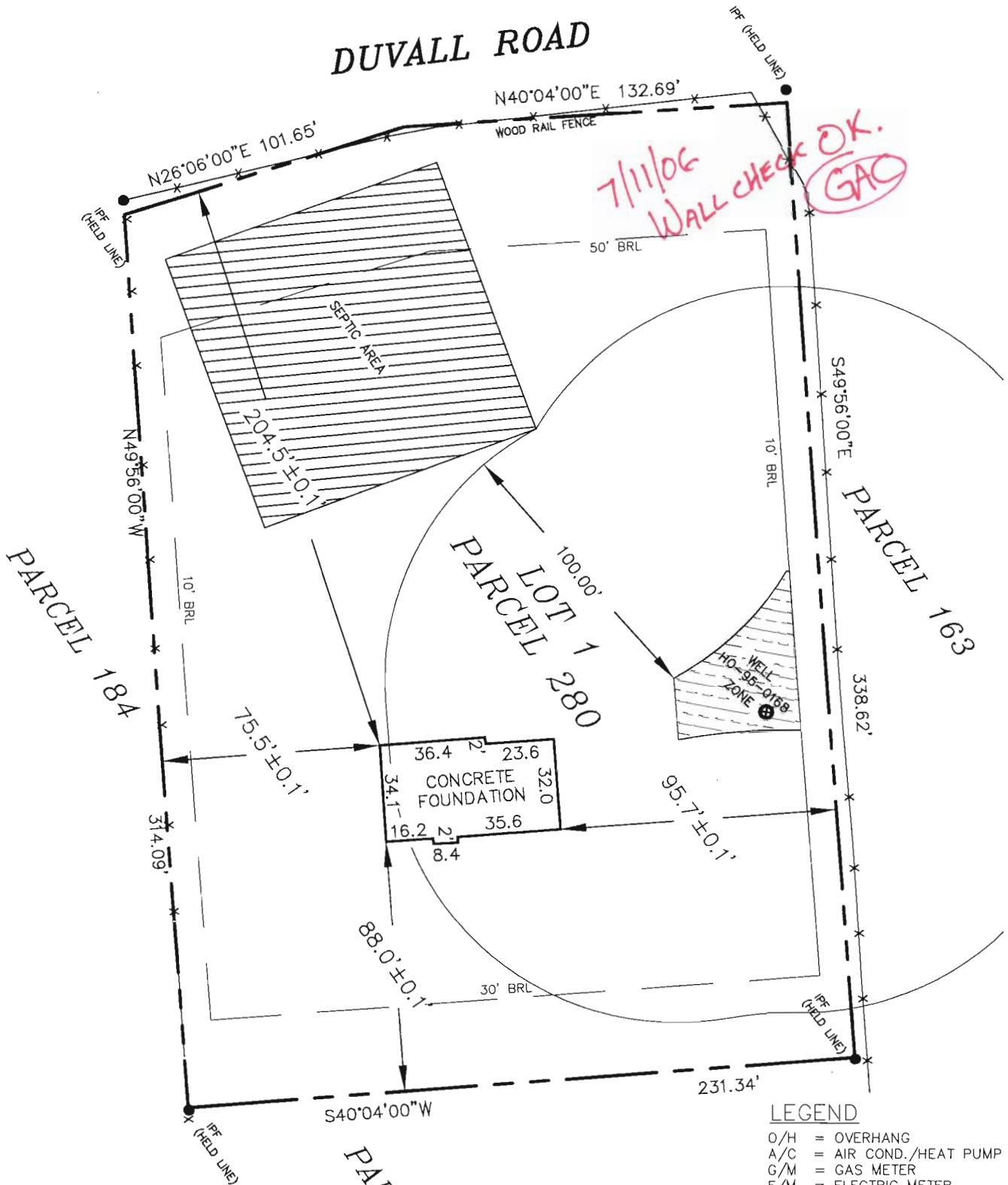
| Project | date   | engineering | approval |
|---------|--------|-------------|----------|
| 05-025  | AUG 05 | DJF         | RAH      |

| No. | description | date     |
|-----|-------------|----------|
| 1   | revisions   | AUG 2005 |

**REED PROPERTY**  
TAX MAP 13 - PARCEL 280 - GRID 04  
HOWARD COUNTY, MARYLAND  
FOURTH ELECTION DISTRICT  
PERC CERTIFICATION PLAT

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 987-0296 Ext. (301) 624-5521 Wash. (410) 987-0298 Fax.

# DUVALL ROAD

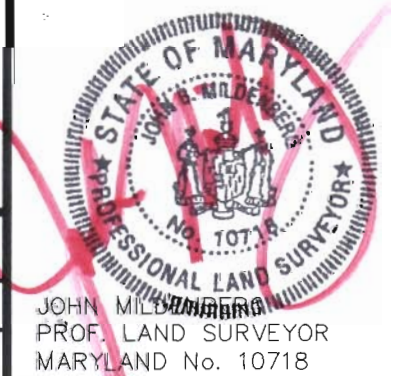


- LEGEND**
- O/H = OVERHANG
  - A/C = AIR COND./HEAT PUMP
  - G/M = GAS METER
  - E/M = ELECTRIC METER
  - CH = CHIMNEY
  - B/W = BAY WINDOW
  - D/W = DRIVEWAY
  - CONC = CONCRETE

LOT 1  
**REED PROPERTY**  
 PARCEL 280  
 LIBER 9615 FOLIO 118  
 ELECTION DISTRICT No. 4  
 HOWARD COUNTY, MARYLAND

ADDRESS No.: DUVALL ROAD  
 TOP OF WALL ELEV= 607.1±  
 FF ELEV=  
 THE INFORMATION SHOWN HAS BEEN ESTABLISHED BY CURRENT ACCEPTABLE SURVEY PROCEDURES AND FROM AVAILABLE RECORD INFORMATION. THIS DRAWING IS TO BE USED FOR TITLE TRANSFER FINANCING, OR REFINANCING ONLY AND IS NOT TO BE USED FOR THE ESTABLISHMENT OF PROPERTY LINES, LOCATION OF FENCES, GARAGES, BUILDINGS, OR OTHER EXISTING OR FUTURE IMPROVEMENTS.

**MILDENBERG  
 BOENDER, & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0296 Balt. (301) 621-5521 Wash. (410) 997-0298 Fax.



|                        |                    |       |       |
|------------------------|--------------------|-------|-------|
| FOUNDATION             | DATE:<br>06/30/06  | FINAL | DATE: |
| DRAWN BY:<br>MES       | SCALE:<br>1" = 50' |       |       |
| PROJECT NO.:<br>05-025 | LOCATION DRAWING   |       |       |

JOHN MILDENBERG  
 PROF. LAND SURVEYOR  
 MARYLAND No. 10718