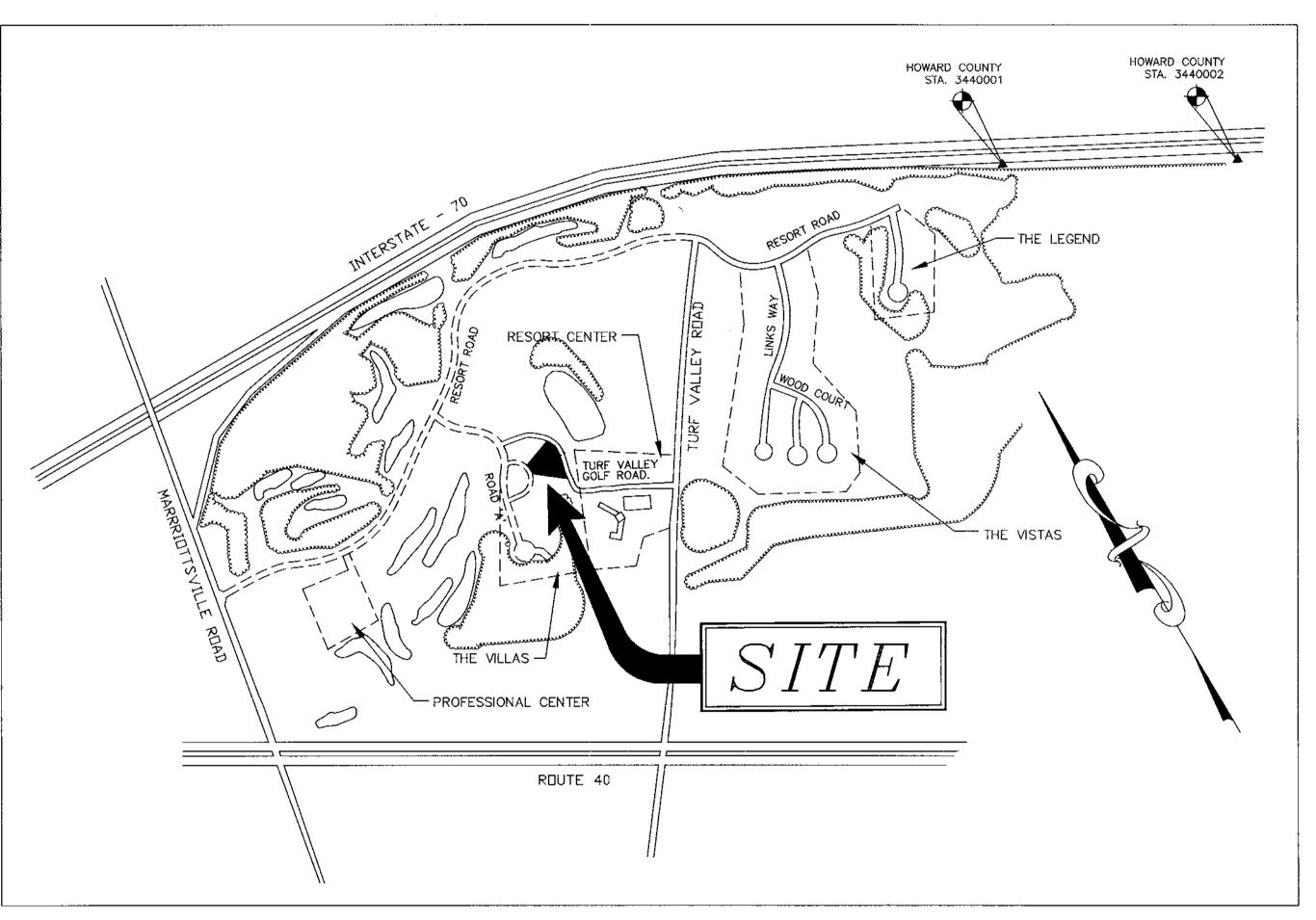
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INDEX OF SHEETS					
NO	TITLE				
1	COVER SHEET				
2	SITE DEVELOPMENT PLAN				
3	EROSION & SEDIMENT CONTROL PLAN				
4	SEDIMENT CONTROL NOTES & DETAILS				
5	MISCELLANEOUS PROFILES AND DETAILS				
6	DRAINAGE AREA MAP				
7	LANDSCAPE PLAN				
8	LOCATION PLAN AND MISCELLANEOUS DETAILS				

# SITE DEVELOPMENT PLAN TURF VALLEY VILLAS (PHASE 1-B)3rd ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



VICINITY MAP

SCALE: 1" = 1000"



- 1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY.
- 2. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTIONS DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR
- 3. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS PRIOR TO ANY EXCAVATION WORK:

MISS UTILITY C&P TELEPHONE COMPANY (410) 725-9976 HOWARD COUNTY BUREAU OF UTILITIES AT&T CABLE LOCATION DIVISION (410) 393-3533 (410) 685-0123 BALTIMORE GAS & ELECTRIC STATE HIGHWAY ADMINISTRATION (410) 531-5533 HOWARD COUNTY DEPT. OF PUBLIC WORKS/ (410) 313-1880

4. PROJECT BACKGROUND:

LOCATION: 3RD ELECTION DISTRICT, TAX MAP 16, BLOCK 16, P/O PARCELS 8. ZONING: PGCC, MULTI-USE DISTRICT TOTAL TRACT AREA: 2.16 Ac.± DATE PREVIOUS PLANS APPROVED AND DPZ REFERENCE #: WP-90-32, SDP-94-80, SP-95-13 (DECEMBER 26, 1995.) DEED REFERENCE: L.920 F.285

- 1. FDP PGCC DISTRICT, MULTI-USE SUBDISTRICT, POD L. 2. F-97-69, PARCEL B (12.08 ACRES).
- 3. SDP-94-80 (1.508 ACRES). 4. SDP-98-148 (THIS PLAN 2.16 ACRES).

CONSTRUCTION INSPECTION DIVISION

- 5. TOPOGRAPHY SHOWN HEREON IS BASED ON AERIAL PHOTOGRAPHIC MAPPING PREPARED BY WINGS MAPPING CO., INC. DATED APRIL 23, 1992.
- 6. COORDINATES BASED ON NAD '27 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS No. 3440001 AND 3440002 STA. NO. 3440001 N 534735.478 STA. NO. 3440002 N 533593.800 E 836286.297 E 837983.249
- EL. 486.341 EL. 462.306 7. WATER AND SEWER ARE PUBLIC, CONNECTED TO PROJECT # 44-3222-D.
- 8. WATER METERS SHALL BE LOCATED INSIDE BUILDINGS. 9. STORMWATER MANAGEMENT IS PROVIDED BY DETENTION POND UNDER SDP-94-80.
- WATER QUALITY BY STORMCEPTOR MANHOLE. STORMWATER MANAGEMENT WILL BE PRIVATELY OWNED AND MAINTAINED.
- 10. NO WETLANDS OR FLOODPLAINS EXIST ON THE SITE.
- 11. USE CONCRETE CURB AND GUTTER STD. R-3-01 UNLESS OTHERWISE NOTED.
- 12. USE HOWARD COUNTY STD. P-2 PAVING SECTION UNLESS OTHERWISE SHOWN.
- 13. SITE ANALYSIS DATA CHART: TOTAL PROJECT AREA: 2.16 Ac ±

ZONING SECTION 134.

LIMIT OF DISTURBED AREA: 1.53 Ac. ± PRESENT ZONING: PGCC PROPOSED USE: EXECUTIVE SUITES (RENTAL) EXISTING BUILDING (PHASE 1A, SDP-94-80)

NUMBER OF UNITS: NUMBER OF PARKING SPA. REQUIRED: 2 SPA.PER UNIT = 12 NUMBER OF PARKING SPA. PROVIDED: 17

PROPOSED BUILDINGS (PHASE 1B) NUMBER OF UNITS: NUMBER OF PARKING SPA. REQUIRED: 2 SPA PER UNIT = 40

NUMBER OF PARKING SPA. PROVIDED: 36 TOTAL REQUIRED PARKING SPA.

TOTAL PARKING SPA. PROVIDED: 14. ALL OUTDOOR LIGHTING SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH

15. NUMBER OF DENSITY UNITS ALLOWED PER F-97-69 SECTION 1 POD "L" OF PGCC DISTRICT. MULTI USE SUBDISTRICT = 242 NUMBER OF UNITS IN PHASE 1-A = 12

NUMBER OF UNITS IN THIS PHASE = 20 TOTAL UNITS PROVIDED = 32 16. ALL FILLET RADII ARE 5' UNLESS OTHERWISE SHOWN.

DENOTES 15-25% SLOPES

DÉNOTES SLOPES 25% OR GREATER

- 19. ALL ROADS AND DRIVEWAYS INDICATED SHALL BE PRIVATELY OWNED AND MAINTENED.
- 20. THE CONTRACTOR SHALL VERIFY LOCATION OF UTILITIES AND EASEMENTS PRIOR TO CONSTRUCTION.
- 21. THE TEMPORARY ROAD WILL BE REMOVED ONCE THE EXTENSION OF FUTURE STREET "A" IS BUILT.
- 22. EXISTING DUMPSTER PROVIDED UNDER SDP-94-80 FOR PHASE AT TO BE UTILIZED FOR THIS PHASE.
- 23. ALL PROPOSED CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS OF THE FINAL DEVELOPMENT PLAN FOR TURF VALLEY, PGCC DISTRICT, MULTI-USE SUBDISTRICT. THE FOLLOWING APPLIES THIS PHASE ONLY: MAX. HEIGHT — 40' MAX. NUMBER OF UNITS PER STRUCTURE - 24

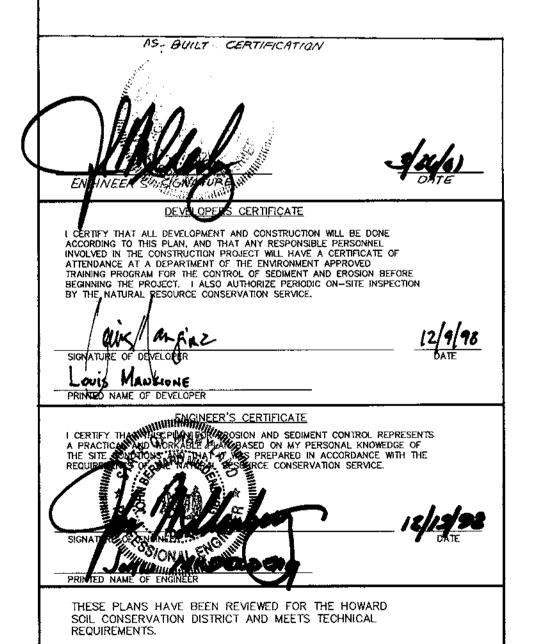
MAX. LENGHT OF BUILDING - 120' MIN. SETBACK FROM ARTERIAL ROADWAY - 50' MIN. SETBACK FROM COLLECTOR & LOCAL STREETS 30' FOR 60' R/W; 20' FOR 50' R/W. ADJACENT NON-PGCC - 75'

MIN. SETBACK BUILDING FACE TO FACE - 30' MIN. SETBACK BUILDING FACE TO SIDE - 30' MIN. SETBACK BUILDING REAR TO SIDE - 30' MIN. SETBACK BUILDING SIDE TO SIDE - 15' MIN. SETBACK BUILDING REAR TO REAR - 60'

MIN. SETBACK BUILDING REAR TO FACE - 100'

ADDRESS CHART									
BUILDING NO.	STREET ADDRESS								
BUILDING # 1	2776 TURF VALLEY GOLF ROAD								
BUILDING #2	2790 TURF VALLEY GOLF ROAD								

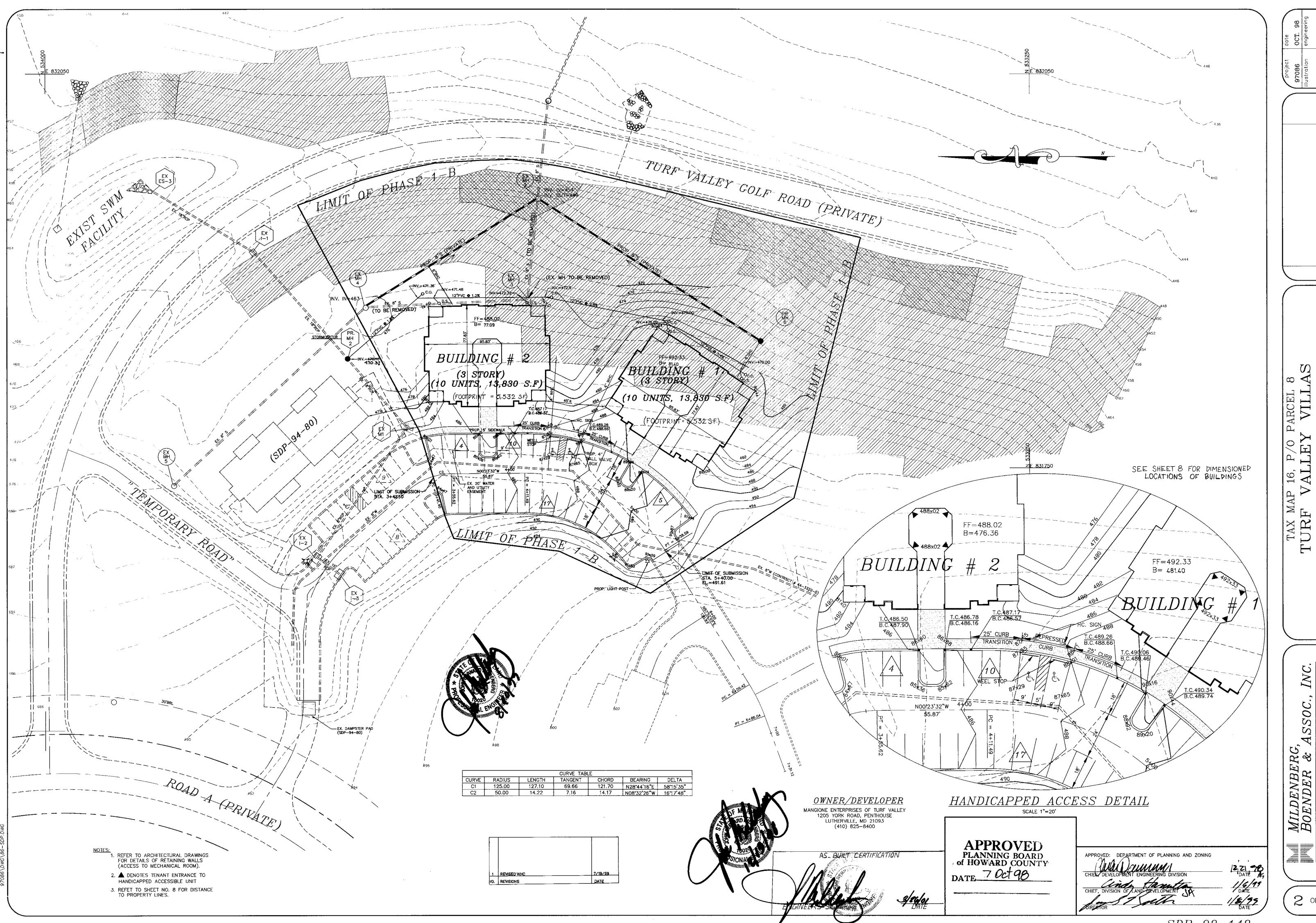
PE	RMIT	INF	ORMATIC	ON	CHA	RT
SUBDIVISION NAME	SECTION/AREA PHASE-1B		LOT/PARCEL # P/O 8			
PLAT # OR L/F 3054A-1079	BLOCK #	ZONE PGCC	TAX MAP 16		C. DIST. RD	CENSUS TRAC
WATER CODE	SEWER CODE 599-2500					



THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD PLANNING BOARD HOWARD COUNTY

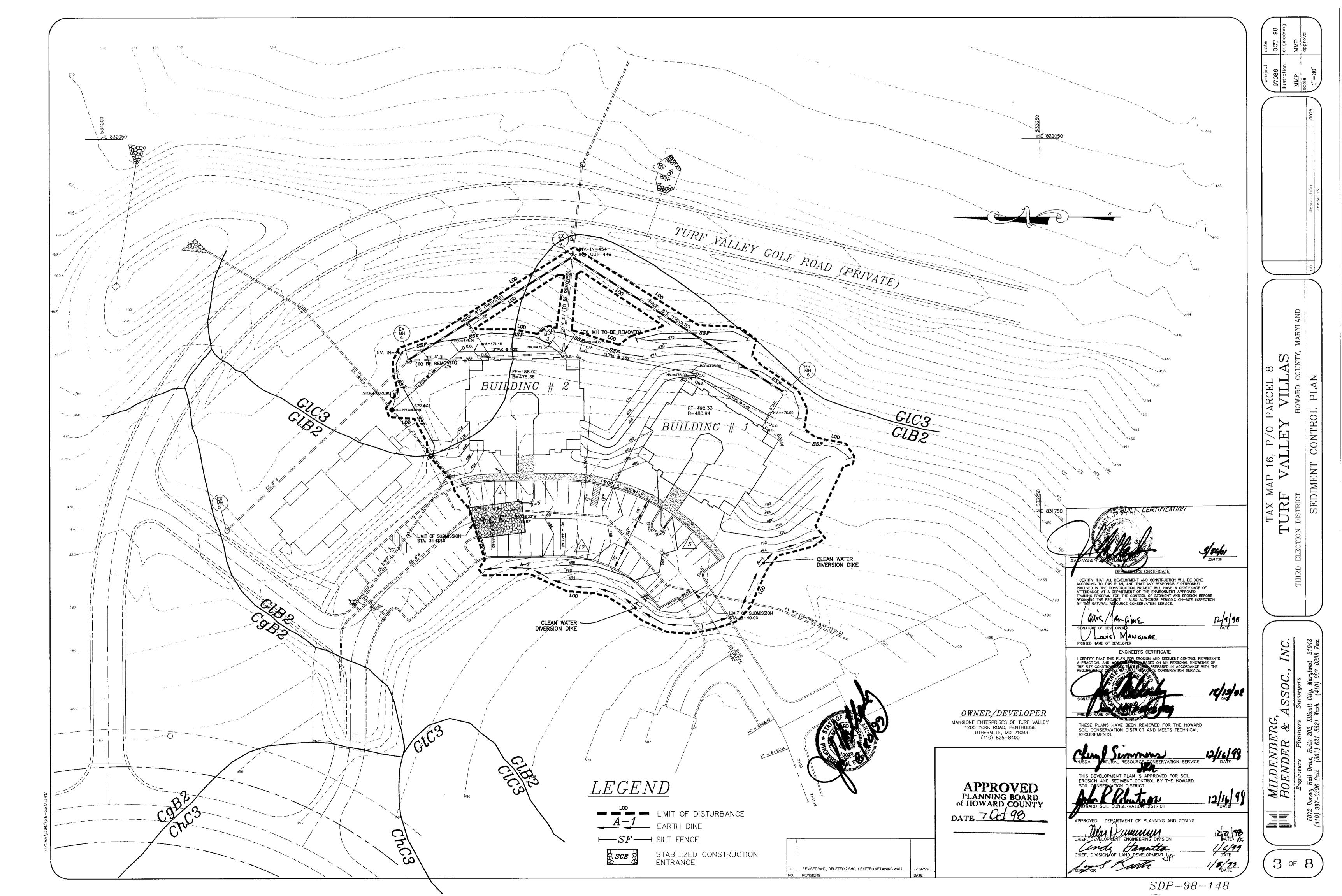
OWNER/DEVELOPER MANGIONE ENTERPRISES OF TURF VALLEY 1205 YORK ROAD, PENTHOUSE LUTHERVILLE, MD 21093 (410) 825-8400

OF **8** 



SDP-98-148

2 of 8



### HOWARD SOIL CONSERVATION DISTRICT

#### PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED

SEEDBED 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 ACRES DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ.FT.) BÉFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT 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 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 FÉSCUE PER ACRE AND 2 LOBS. 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 WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOD. OPTION (3) -SEED WITH 60 LBS. /ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONE /ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 GAL/1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

#### TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED. SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR 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 RYE (3.2 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 ACRÉ 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 UNROTTED WEED 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 (8 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED

#### STANDARD SEDIMENT CONTROL NOTES

- 1) 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 NAY CONSTRUCTION, (313-1855).
- 2) 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.
- 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 5) 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), SOD (SEC 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC.52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7) SITE ANALYSIS: TOTAL AREA OF SITE: AREA DISTURBED: AREA TO BE ROOFED OR PAVED:
  - ACRES ACRES ACRES AREA TO BE VEGITATIVELY STABILIZED: \_\_\_ TOTAL CUT:\_\_\_\_ TOTAL WASTE/BORROW AREA LOCATION: \_

THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN QUANTITY MEASUREMENTS.

- 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- 9) ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- 11) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

## SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT
- 2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, WITH MOUNTABLE
- BERM, AT LOCATION SHOWN. (1 DAY)
- 3. CONSTRUCT SUPER SILT FENCES . (3 DAYS)
- 4. CONSTRUCT EARTH DIKE AT NORTHERN EDGE OF PROPERTY AS SHOWN (1 DAY)
- 5. FOR UTILITY CONSTRUCTION TRENCH EXCAVATION SHALL BE LIMITED TO THAT WHICH CAN BE STABILIZED WITHIN ONE WORKING DAY. ALL EXCAVATED MATERIAL FROM TRENCH SHALL BE PLACED ON THE UPHILL SIDE OF TRENCHES.
- 6. CONSTRUCT PAVEMENT AND CURB AND GUTTER AS INDICATED. (10 DAYS) (10 DAYS)
- 7. STABILIZE ALL REMAINING DISTURBED AREAS. (3 DAYS)
- WHEN ALL CONTRIBUTING DRAINAGE AREAS TO SEDIMENT CONTROL DEVICES HAVE BEEN STABILIZED AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE REMAINING DISTURBED AREAS. (3 DAYS)
- WHEN ALL CONTRIBUTING DRAINAGE AREAS TO THE SEDIMENT BASIN HAVE BEEN STABILIZED AND WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE TEMPORARY DEWATERING DEVICE AND REPLACE WITH PERFORATED PIPE AS INDICATED ON THE STORMWATER MANAGEMENT PLANS. STABILIZE REMAINING DISTURBED AREAS. (2 DAYS)

#### STANDARD AND SPECIFICATIONS FOR TOPSOIL

#### **DEFINITION**

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

#### **PURPOSE**

TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW pH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

#### CONDITIONS WHERE PRACTICE APPLIES

- 1. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
- a. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE
- b. 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.
- c. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
- d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE
- FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL 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 SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATION. TYPICALLY, THE DEPTH OF TOPSOIL TO BE SALVAGED 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 EXPERIMENTAL 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 CON-TRASTING 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 1/2" IN
- TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON-SON GRASS, NUTSEDGE, 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
- III. 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.
- IV. 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:
  - a. pH FOR TOPSOILS SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A pH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PERSCRIBED TO RAISE THE pH TO 6.5 OR HIGHER.
  - b. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.
  - c. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.
  - d. NO SOD OR SEED SHALL BE PLACED ON SOIL 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 PHYTO-TOXIC MATERIALS.

NOTE: TOPSOIL SUBSTITUTES OR AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY, MAY BE USED IN LIEU OF NATURAL

- ii. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
- V. TOPSOIL APPLLICATION
  - WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4" - 8" HIGHER IN ELEVATION.
  - III. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND 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.
  - IV. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.
- ALTERNATIVE FOR 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 TESTED TO PRESCRIBE AMENDMENTS AND FOR SITES HAVING AREAS UNDER 5 ACRES SHALL CONFORM TO THE FOLLOWING REQUIREMENTS:
- a. COMPOSTED SLUDGE SHALL BE SUPPLIED BY, OR ORIGINATE FROM, A PERSON OR PERSONS WHO ARE PERMITTED (AT THE TIME OF ACQUISITION OF THE COMPOST) BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT UNDER COMAR 26.04.06.
- b. COMPOSTED SLUDGE SHALL CONTAIN AT LEASE 1 PERCENT NITROGEN, 1.5 PERCENT PHOSPHOURUS, 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.
- c. COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET. iv. COMPOSTED SLUDGE SHALL BE AMENDED WITH A POTASSIUM FERTILLIZER APPLIED 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 INSTITUTES. REVISED 1973.

#### DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE DETAIL 23C - CURB INLET PROTECTION (COG OR COS INLETS) DETAIL 1 - EARTH DIKE العالم العا EASTING PAVEMENT EARTH FILL PIPE AS NECESSARY 6" MAXIMUM, SPACING OF 2" X 4" SPACERS DR BETTER H HINIMUM 6' OF 2'-3' AGGREGATE OVER LENGTH AND WIDTH OF STRUCTURE CROSS SECTION a-DIKE HEIGHT 18" PROF ILE 5--DIKE WIDTH 24" <del>Ŷ,ŸŶŶŶŶ</del>ŢŶŶ c-FLOW WIDTH ¥ 50′ HININUM---4-FLOW DEPTH 12" PLAN VIEW STANDARD SYMBOL A-2 B-3 MAX. DRAINAGE AREA = 1/4 ACRE 2. Seed and cover with Erosion Control Matting or line with sod. 3. 4" - 7" stone or recycled concrete equivalent pressed into the soil 7" minimum. PLAN VIEW 1. Attach a continuous piece of wire meets (30° minimum width by throat length plan 4') to the 2" x 4" well (measuring throat length plus 2') as shown on the standard . Length – minimum of 50° (≡30° For single residence lot) 1. All temporary earth dixes shall have uninterrupted positive 2. Place a continuous piece of Geotestile Class E the same dimensions as the wire mesh over the wire mesh and securely attach it to the $2^n\times 4^n$ weir. grade to an outlet. Spot elevations may be necessary for grades less than 1%. 2. Wighth - 10' minimum, should be flored at the existing road to provide a turning 2. Runoff diverted from a disturbed area shall be conveyed to a sediment 3. Securely noil the 2" $\times$ 4" well to a 9" long vertical spacer to be located between the weir and the lalet face (max. 4" apart). 3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. \*\*The plan approval authority may not require single family 3. Runoff diverted from an undisturbed area shall outlet directly lists an 4. Place the casembly against the injet throat and noil (minimum 2' lengths of 2" x 4" to the top of the weir at spacer locations). These 2" x 4" anchors shall extend across the injet top and be held in place by sandbags or othernate weight. 4. Stone - crushed aggregate (2" to 3") on reclained on recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance. 4. All trees, brush, stumps, obstructions, and other objectional materia shall be removed and disposed of so as not to interfere with the proper 5. The assembly shall be placed so that the end spacers are a minimum 1' beyond 5. Surface Vater - all surface water flowing to or diverted toward construction 6. Form the 1/2 " x 1/2 " wire mesh and the gentratile fabric to the concrete gutter and against the face of the curb on both sides of the inlet. Piace clean 3/4 " x 1 1/2 " stone over the wire mesh and gentratile in such a manner to prevent water from entering the inlet under or around the gentratile. installed through the entrance, maintaining positive distinction entrances shall be piped through the entrance, maintaining positive distinct. Pipe installed through the stabilized construction entrance shall be protected with a mountable bern with 511 stopes and a minimum of 6° of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the anount of runoff to be conveyed. A 6° minimum will be required. 5. The dike shall be excavated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow. 7. This type of protection must be inspected frequently and the filter cloth 7. All earth removed and not needed for construction shall be placed so that and stone replaced when alogged with sediment. 6. Location - A stabilized construction entrance shall be located at every point 8. Assure that storm flow does not bypose the inlet by installing a temporary where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance. earth or auphalt alike to direct the flow to the inlet. 8. Inspection and maintenance must be provided periodically and after U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SUBL CONSERVATION SERVICE F - 17 - 3 WATER MANAGEMENT ADMONSTRATION LS. DEPARTMENT OF AGRICULTURE PAGE HARYLAND DEPARTMENT OF ENVIRONMEN U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVOICEMENT SUB\_CONSERVATION SERVICE E - 16 - 59 WATER MANAGEMENT ASMEDISTRATION DETAIL 33 - SUPER SILT FENCE SUPER SILT FENCE Design Criteria GROUND SURFACE Silt Fence Length Stope Length 96' HINIHUM Stope (maximum) United 101 - 51 200 feet 1,500 feet FILTER CLOTH-1,000 fee 31-21 100 Feet 500 feet 33 - 50X 2: i + i. 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' fabric and 6' length 2. Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and truss rods, drive anchors and post caps are not 3. Filter cloth shall be fastened securety to the chain link fence with ties spaced 4. Filter cloth shall be embedded a minimum of 8° into the ground. 5. When two sections of filter cloth adjoin each other, they shall be overlapped 6. Maintenance shall be performed as needed and slit buildups removed when "builges develop in the slit fence, or when slit reaches 50% of fence height 7. Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall neet the following requirements for Geotextile Class ${\sf Fi}$

OWNER/DEVELOPER

MANGIONE ENTERPRISES OF TURF VALLEY

1205 YORK ROAD, PENT HOUSE

LUTHERVILLE, MARYLAND 21093

APPROVED

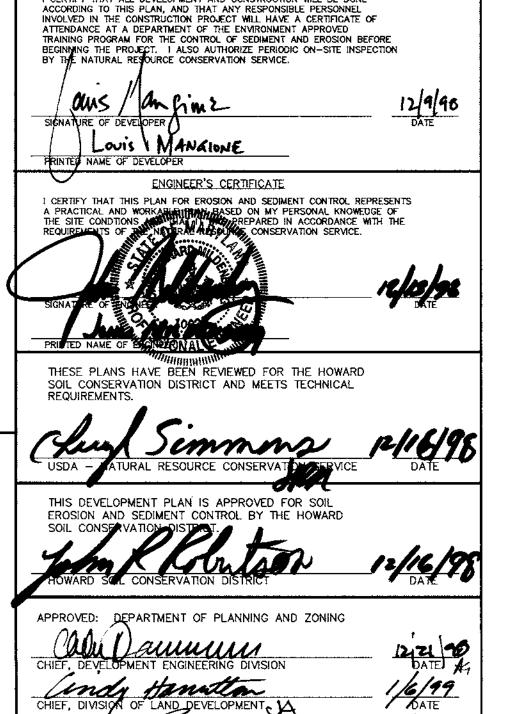
PLANNING ROARD

The state of the s

(410) 825-8400

1. Seed and cover with straw mulch.

each rain event.



DET

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MILDENBERG BOENDER &

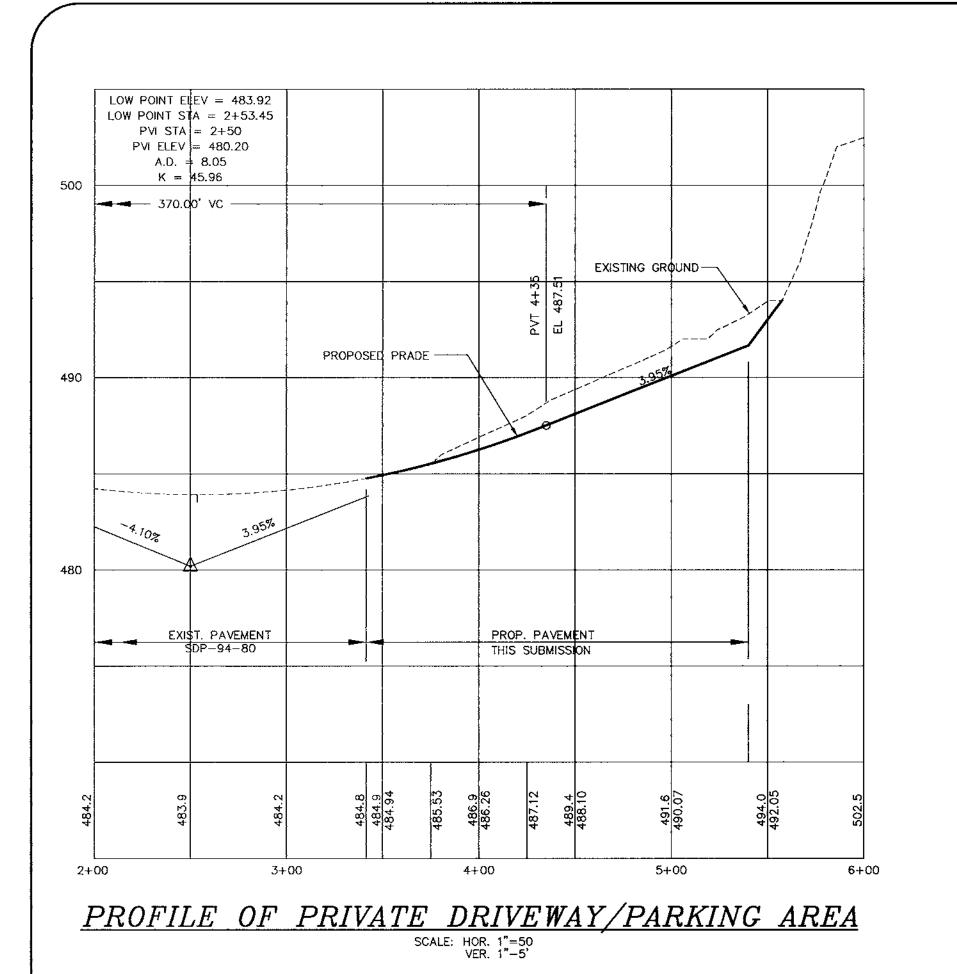
4 of 8

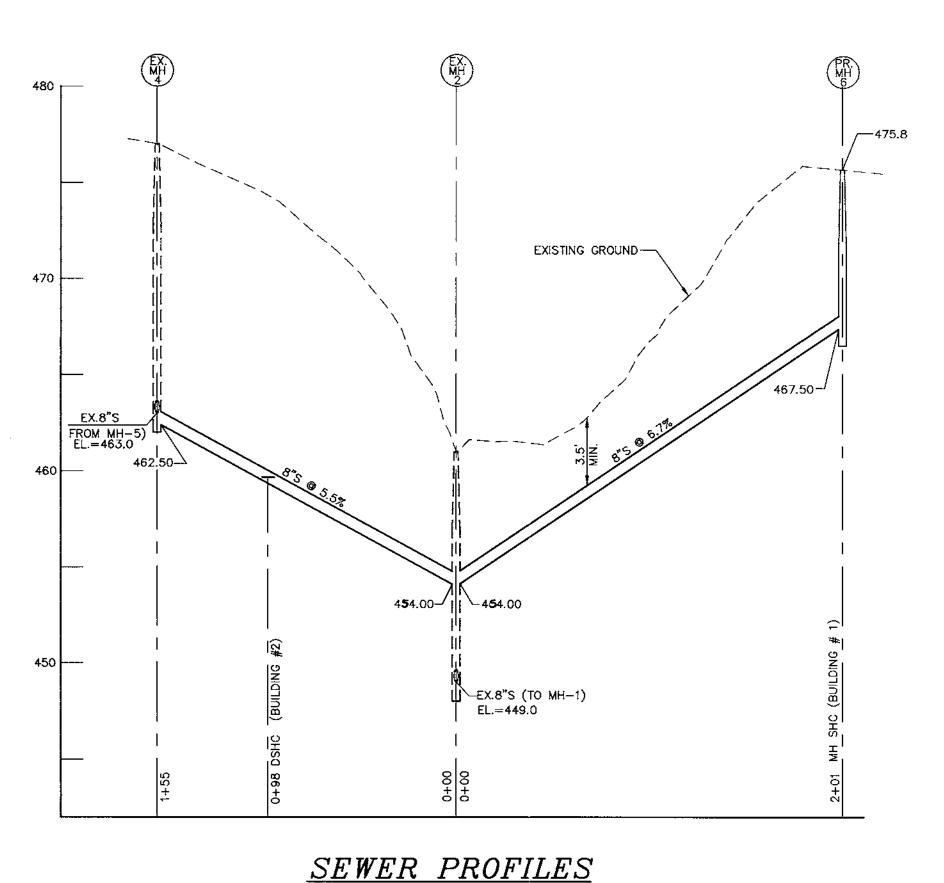
SDP-98-148

DEVELOPERS CERTIFICATE I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE

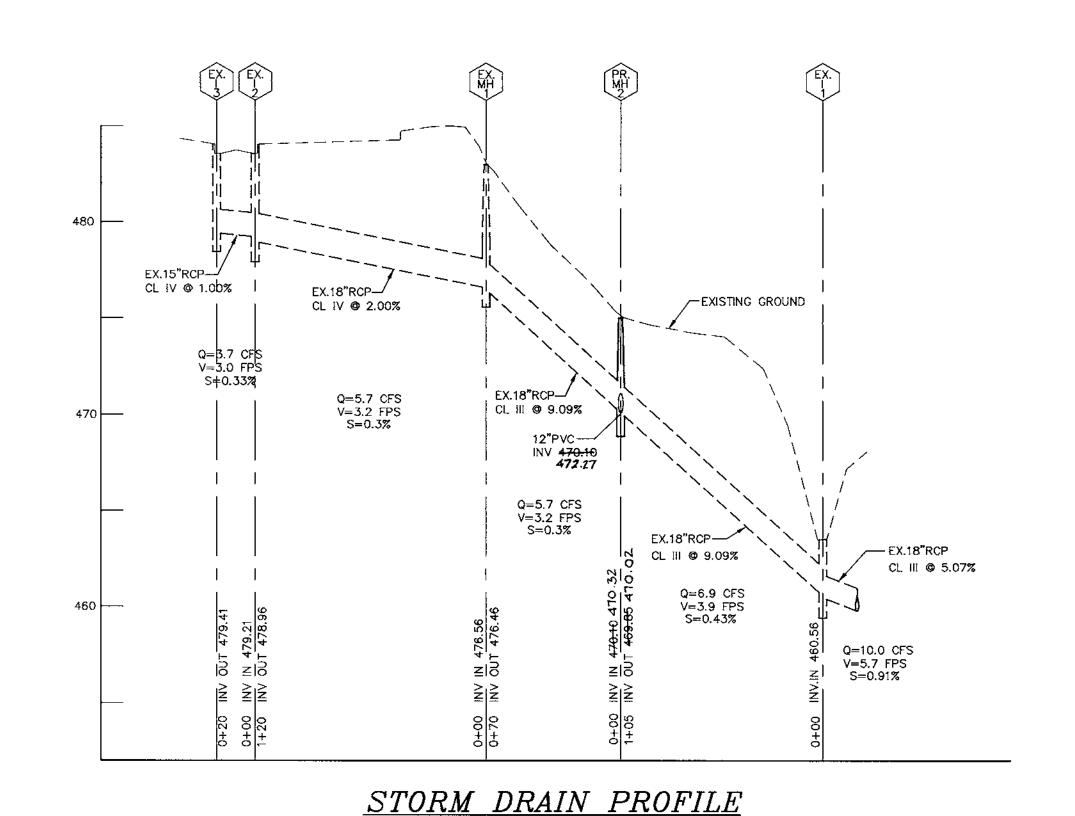
U.S. BEPARTMENT OF AGRICULTURE PAGE: MARYLAND DEPARTMENT OF ENVIRONMENT SCIL CONSERVATION SERVICE H - 26 - 34 VATER MANAGEMENT ADMINISTRATION

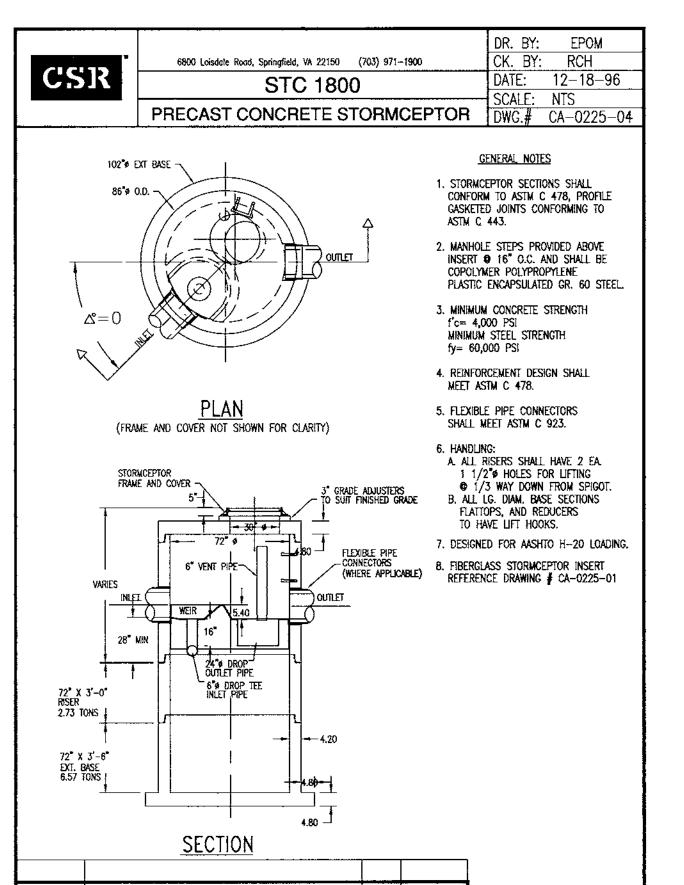
CHIEF, DIVISION OF LAND DEVELOPMENT

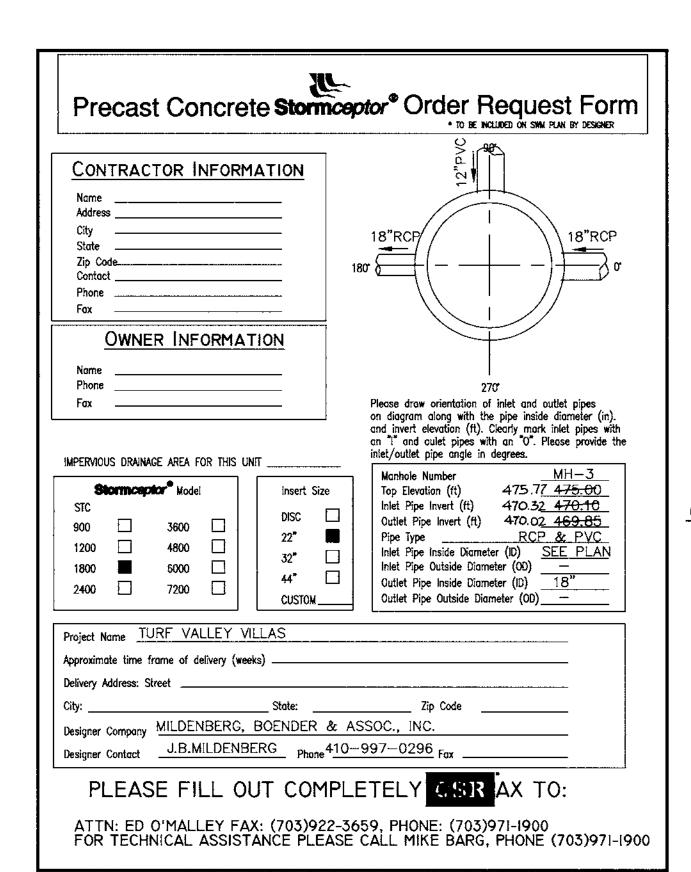


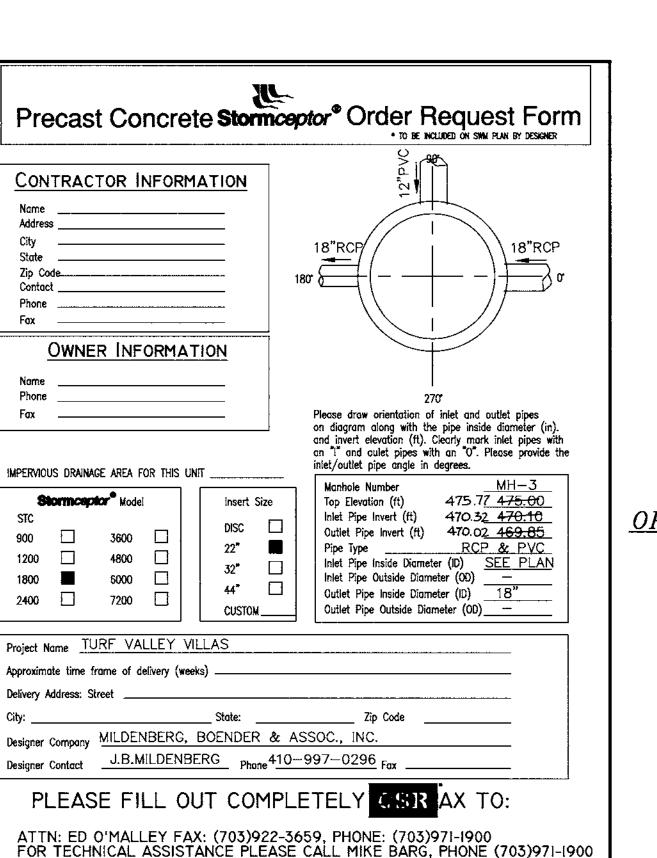


SCALE: HOR. 1"=50 VER. 1"-5'

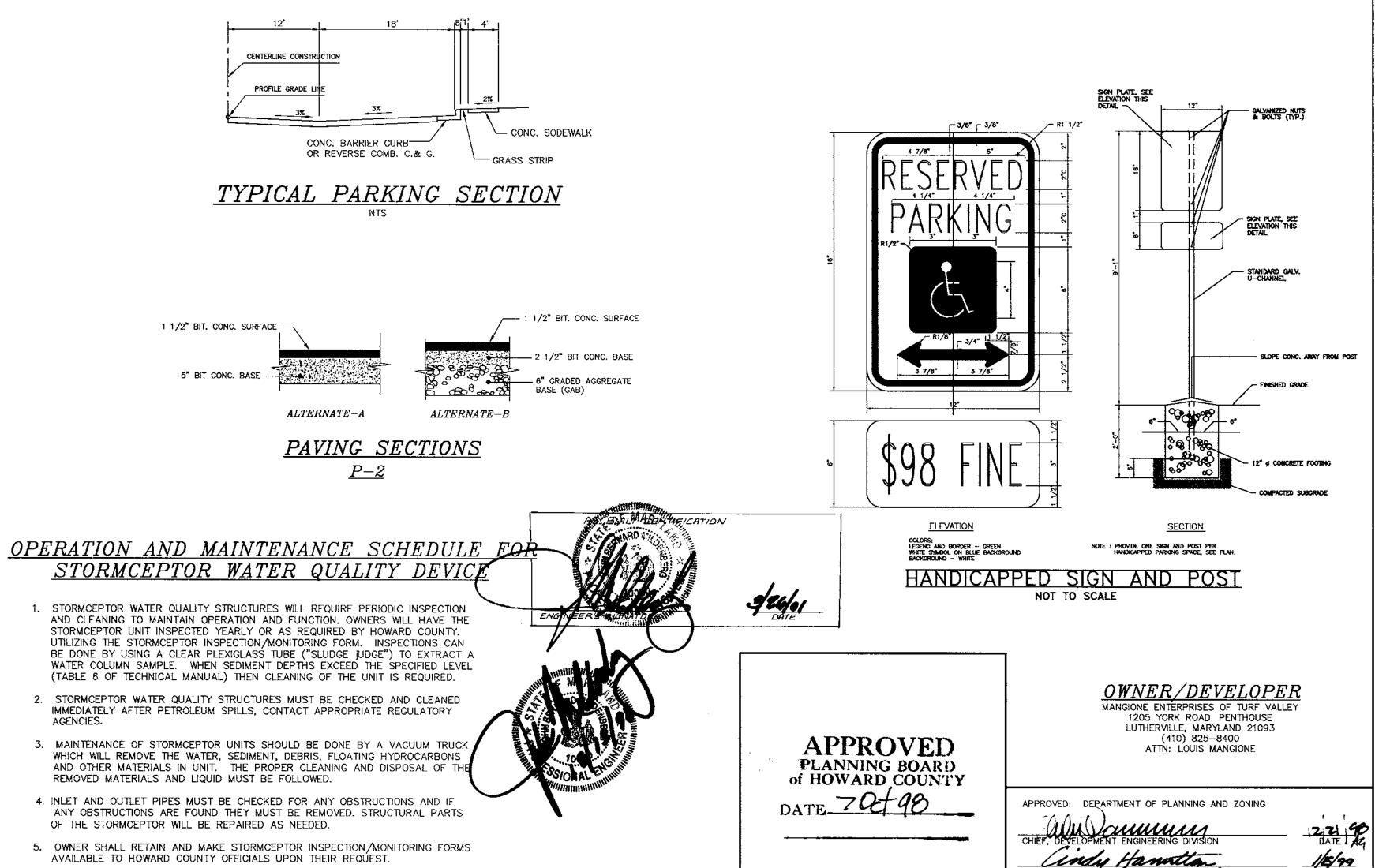








ANY OBSTRUCTIONS ARE FOUND THEY MUST BE REMOVED. STRUCTURAL PARTS OF THE STORMCEPTOR WILL BE REPAIRED AS NEEDED. 5. OWNER SHALL RETAIN AND MAKE STORMCEPTOR INSPECTION/MONITORING FORMS AVAILABLE TO HOWARD COUNTY OFFICIALS UPON THEIR REQUEST.



SDP-98-148

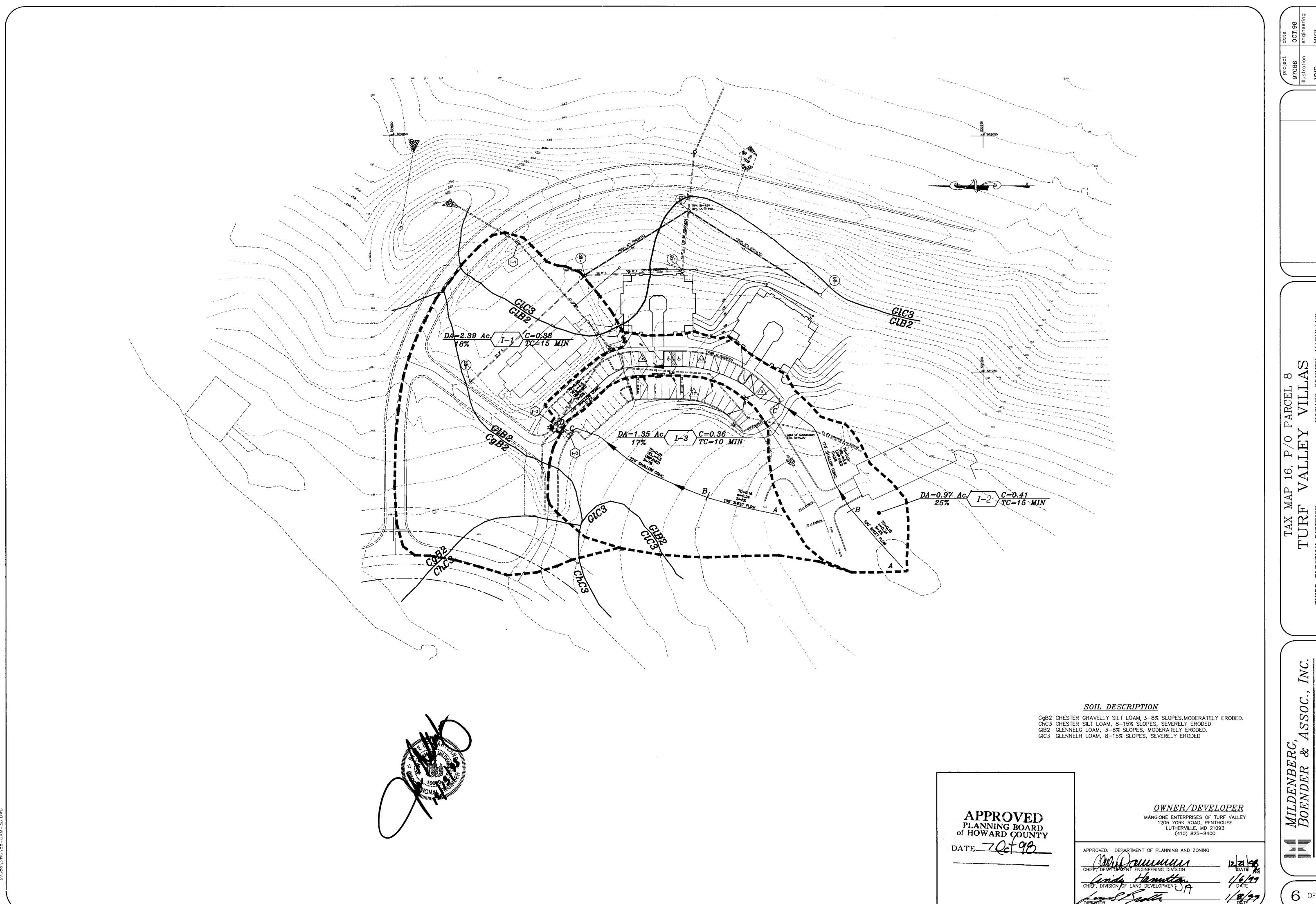
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MILDENBERG BOENDER & Engineers Planners

5 OF 8

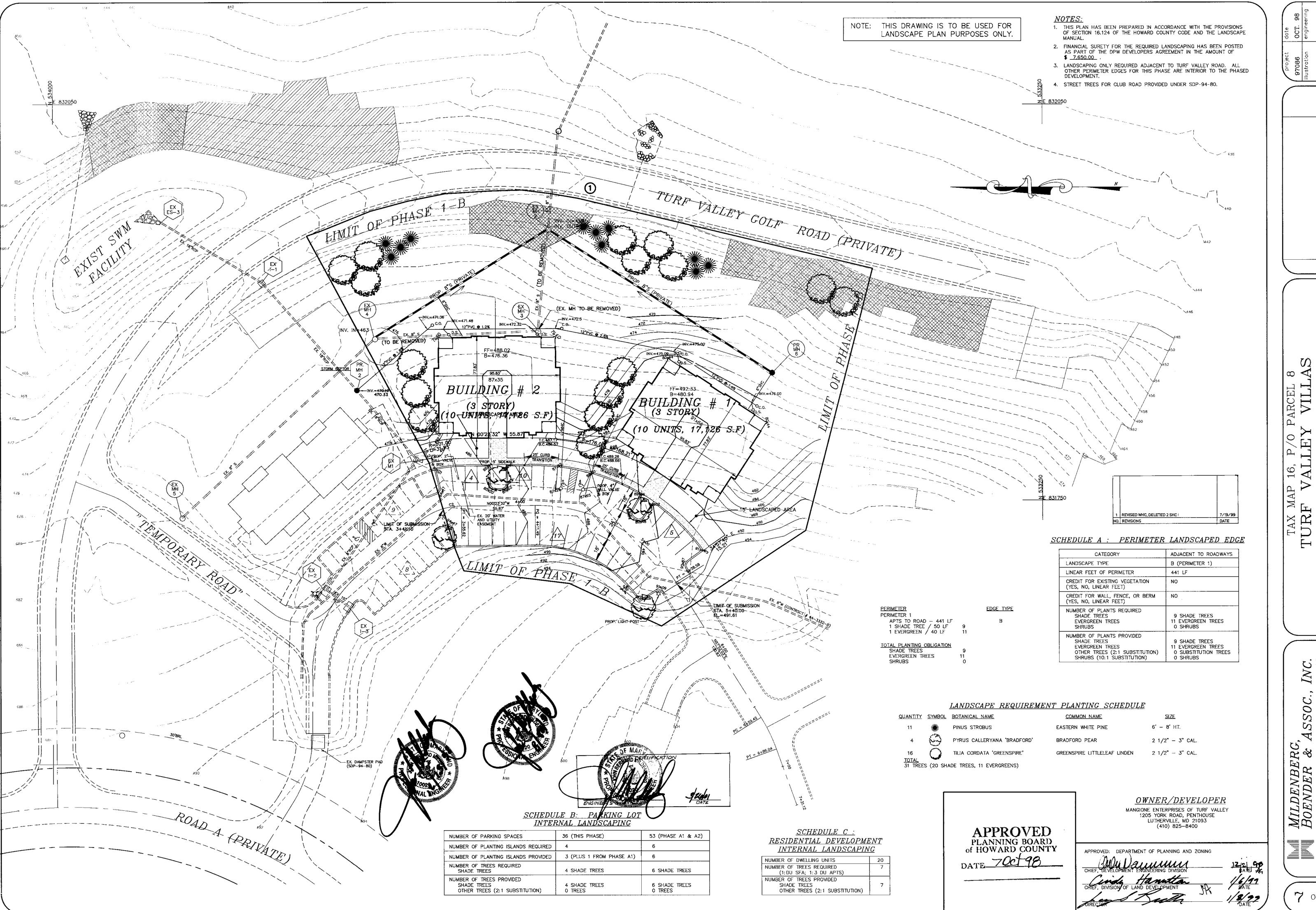
BY: DATE REV. DESCRIPTION

PROPOSED MANHOLE # 2 (STORMCEPTOR)



SDP-98-148

6 OF 8



SDP-98-148

7 OF 8

