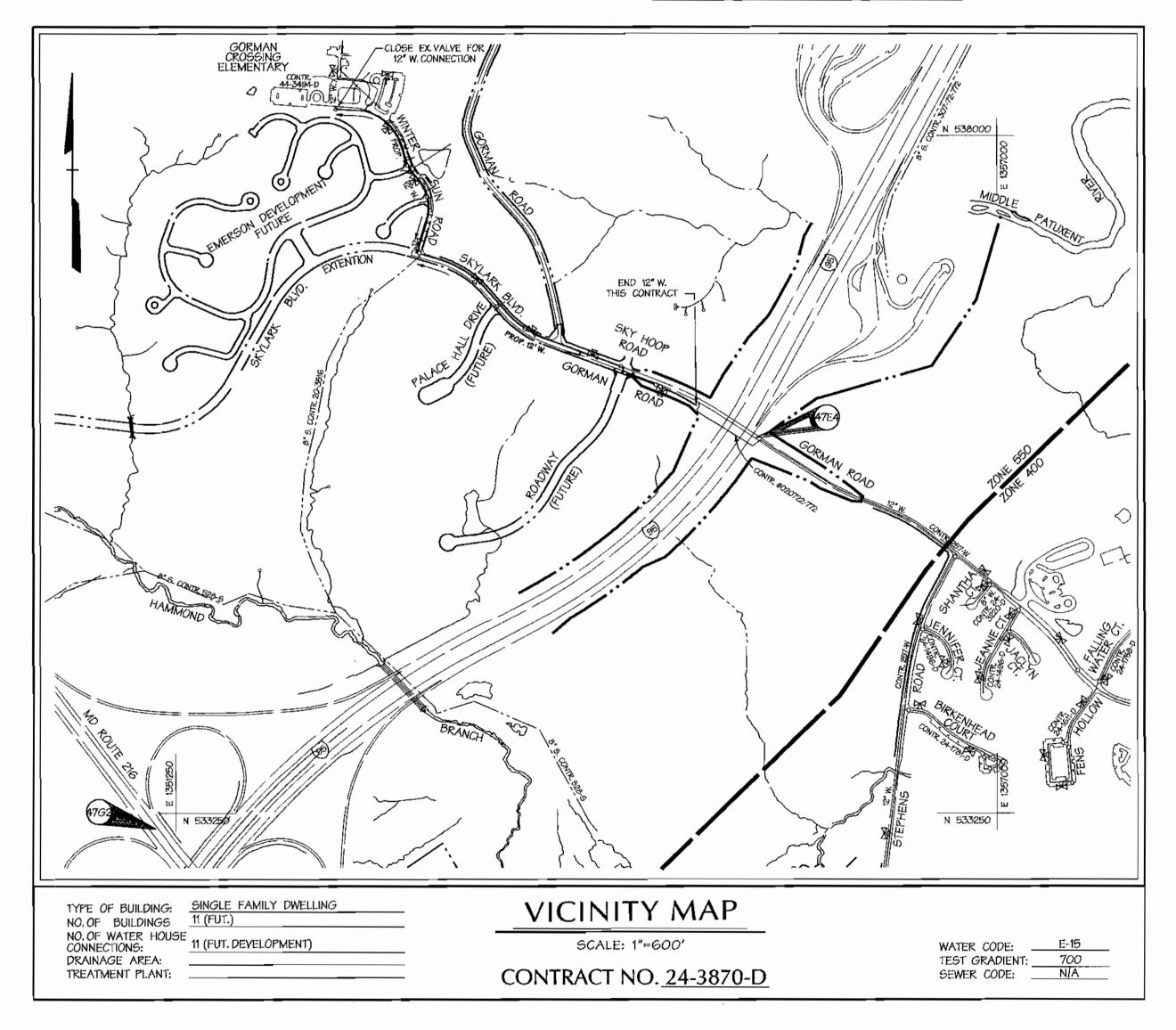
	QUANTITIES ESTIMATED	AS-BUILT		
ITEMS		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
12" D.I.P.	3740'	3,546	TYTON CL-52	CRIFFIN PIPE PRODUCTS
B" D.I.P.	55'	50.5	11	et tr tt
6" D.I.P.	60'	112	11	0 B U
12" x 12" TEE	3	3	M.J.	UNION FOUNDRY W.S. FILTER
12" x 8" TEE	3	3	и	tt tt st st
12" x 6" TEE	7	7	tt	<i>b</i> (i
12" YALYE	7	フ	WEOGEGATE	MUELLER CO. " "
B" VALVE	4	4	" "	trtrtr
6" VALYE	7	フ	li u	tr (i
% BEND (12")	2	2	M.J.	UNION FOUNDRY "
8" CAP	4	4	M.J.	4 11 / 14
6" FIRE HYDRANT	7	7	A-423 BENTURION	MUELLER CO. " "
1 " WHC	170'	7 <i>98</i>	TYPE K"	READING TOBE " "
12" CAP	3	3	M. J.	LINION FOUNDRY / " "
1½" DRAIN W! 1.5' YAULT	1	l I	18" BLOW.	FORD METER BOX "
			18# ₁ ¥30"	DAVIS CONER. " "

SHEET INDEX					
NO.	DESCRIPTION				
1	TITLE SHEET				
2	PROP.12" WATER MAIN PLAN & PROFILE - GORMAN ROAD				
3	PROP. 12" WATER MAIN PLAN & PROFILE - SKYLARK BOULEVARD				
4	PROP.12 WATER MAIN PLAN & PROFILE - WINTER SUN ROAD				
5	SEDIMENT CONTROL DETAILS & SPECS.				

12" MAJOR WATER MAIN EXTENSION

& WINTER SUN ROAD

CONTRACT NO. 44-3870-D



DEPARTMENT OF PLANNING & ZONING

HOWARD COUNTY, MARYLAND

REVIEWED FOR SOIL CONSERVATION DISTRICT

AND MEETS TECHNICAL REQUIREMENT

PARTMENT OF PUBLIC WORKS

- BUREAU OF UTILITIES - DATE

HOWARD COUNTY, MARYLAND

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND THESE PLANS. - F-01-136

Landscape Architects, Golf Course Architects, Engineers, Surveyors &



DRAWN BY: TJR III 6/27/01 BY NO. DATE | 600 SCALE MAP NO. REVISION

TITLE SHEET

BLOCK NO.

DATE: FEB. 12,2002

SECTION 2, PHASE 1-A TAX MAP 47 P/O PARCEL P. 837, P. 3, P. 462 6TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

SHEET

SCALE:

1" = 600'

Mon Jul 30 08:21:05 200£\95054\f1na\\95054f.wcv

FOR

EMERSON - SECTION 2, PHASE 1 GORMAN ROAD, SKYLARK BOULEVARD

HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS

GENERAL NOTES

- 1. APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS AND SERVICES AND MAINTAIN UNINTERRUPTED SUPPLY, ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- 2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES. (NAD '83)
- 3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATA.
- 4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- 5. CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MIN. OR TUNNEL AS REQUIRED. THE OWNER HAS CONTACTED UTILITY COMPANIES AND MADE ARRANGEMENTS FOR BRACING OF POLES AS SHOWN ON DRAWINGS, IN EVENT THE CONTRACTORS WORK REQUIRES THE BRACING OF ADDITIONAL POLES, ANY COST INCURRED BY OWNER FOR BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONEY OWED THE CONTRACTOR. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO SCHEDULE BRACING OF POLES.
- 5. FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL AT THE LOCATION OF THE TEST PIT. A NOTE OR NOTES CONTAINING THE RESULTS OF THE TEST PIT OR PITS IS INCLUDED ON THE DRAWINGS. EXISTING UTILITIES IN THE VICINITY OF THE PROPOSED WORK FOR WHICH TEST PITS HAVE NOT BEEN DUG SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF
- 8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
- STATE HIGHWAY ADMINISTRATION (410) 531-5533 BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES - (410) 850-4620
 BALTIMORE GAS & ELECTRIC CO. UNDERGROUND DAMAGE CONTROL - (410) 787-9068
 MISS UTILITY - 1-800 257-7777
- BELL ATLANTIC 1-800-446-5266 COLONIAL PIPELINE CO. - (410) 795-1390
- BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS (410) 313-4900
- 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED
- 10. CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN OTHER ITEMS BID FOR CONSTRUCTION
- 11. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT 410-313-2450 AT LEAST FIVE (5) WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD OR BORING! JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS, THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.

PART II – WATER

- 1. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- 2. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3.50' COVER UNLESS OTHERWISE NOTED. 3. VALYES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 5. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWINGS ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN
- ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS, 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER
- 7. ALL WATER HOUSE CONNECTIONS SHALL BE 1" AND INSIDE METER SETTING, UNLESS NOTED OTHERWISE ON THE PLANS OR IN THE SPECIFICATIONS.
- 8. ALL D.J.P. FITTINGS SHALL BE IN ACCORDANCE WITH A.W.W.A. SPECIFICATION C-153 DUCTILE
- IRON COMPACT FITTINGS, 3 INCH THROUGH 12 INCH FOR WATER AND OTHER LIQUIDS. 9. ALL EXISTING VALVES TO BE CLOSED WHEN CONNECTION TO THE SYSTEM IS MADE.
- 10. SPRINKLER SYSTEMS FOR ALL TOWNHOUSES OR MULTI-FAMILY DWELLING UNITS SHALL

HAVE A MINIMUM OF 1" CONNECTION WITH A 34" METER.

BENCHMARK

DESCRIPTION

COORDINATES IN MARYLAND NAD83(91) (HORIZONTAL) AND NGVD29 (VERTICAL) DATUMS.

> 47E4 NORTHING: 163326.2295 EASTING: 413136,2550 ELEVATION: 338,909ft.

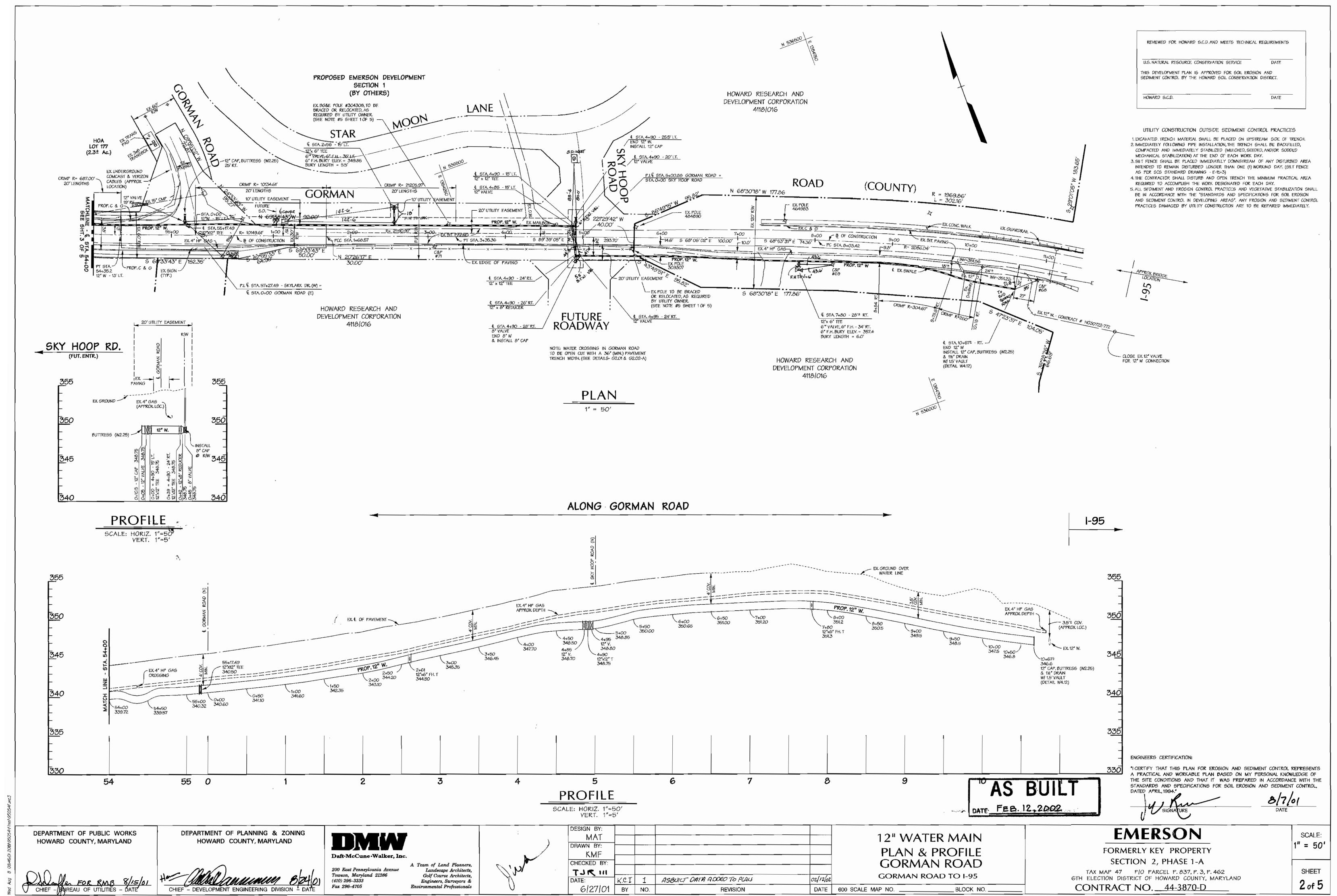
47G2 NORTHING: 162440.1212 EASTING: 4118539279 ELEVATION: 364.210ft.

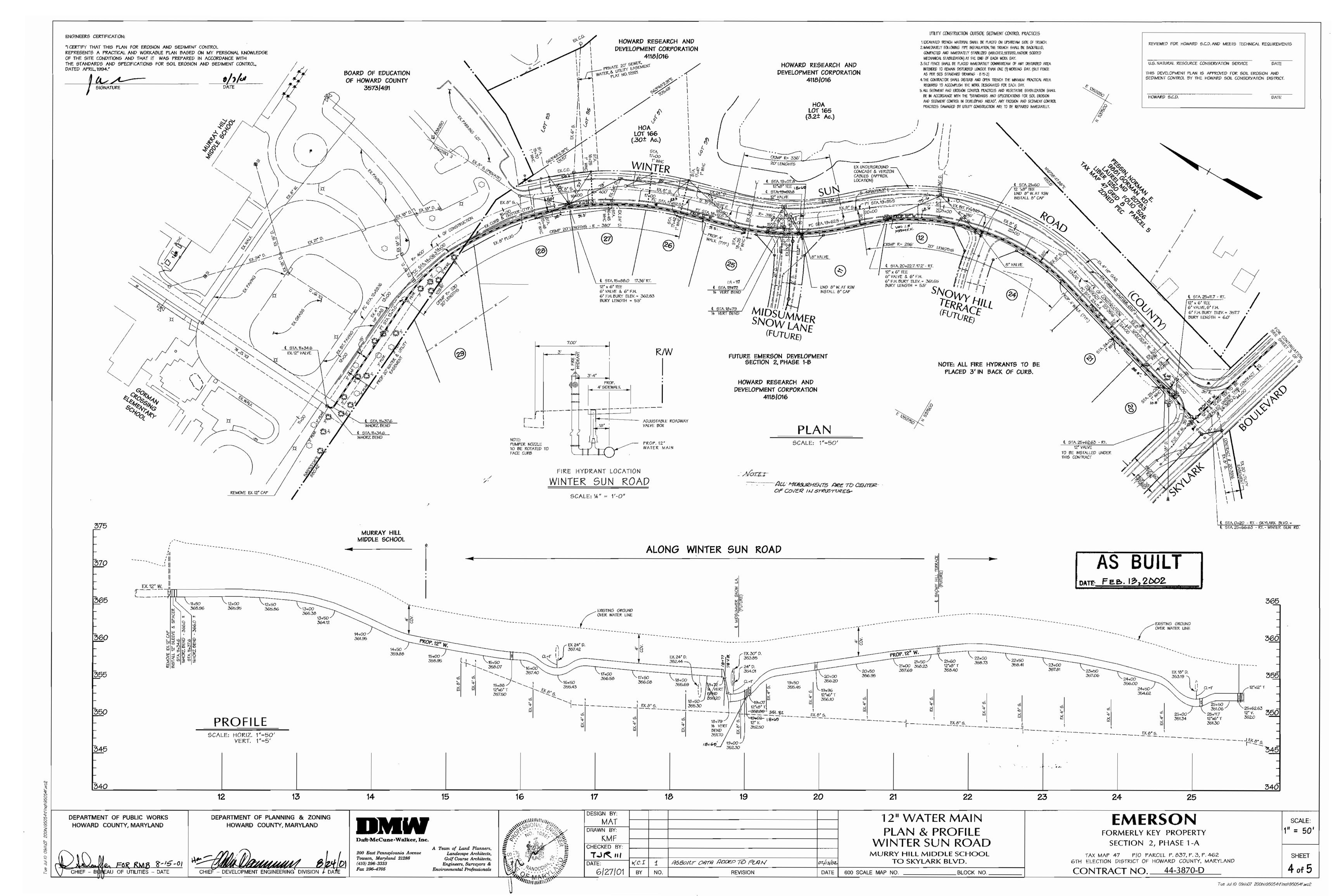
ENGINEERS CERTIFICATION:

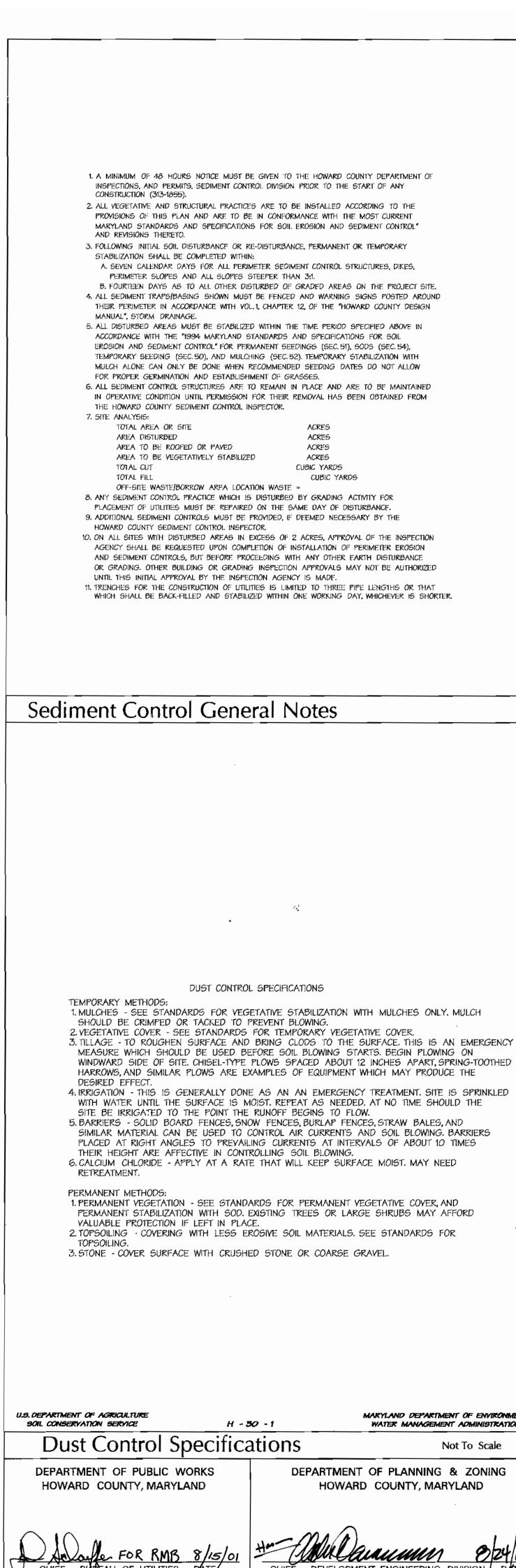
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, DATED APRIL, 1994."

EMERSON FORMERLY KEY PROPERTY

CONTRACT NO. <u>44-3870-D</u>







ACRES

ACRES

ACRES

CUBIC YARDS

CUBIC YARDS

MAKYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

DEPARTMENT OF PLANNING & ZONING

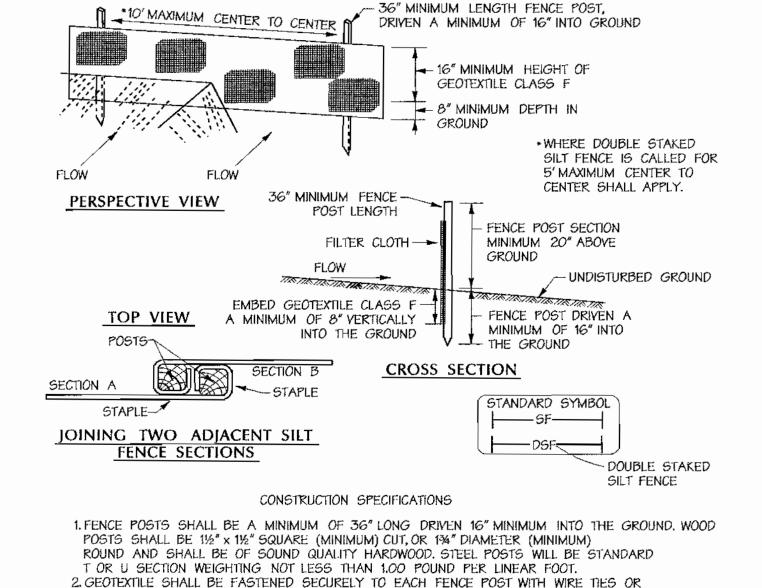
HOWARD COUNTY, MARYLAND

Not To Scale

ACRES

Sequence of Construction

1. OBTAIN A GRADING PERMIT. 2. WHILE CONSTRUCTING UTILITIES THE LIMIT-OF-DISTURBANCE SHALL INCLUDE ONLY THAT TRENCH LENGTH WHICH WILL BE BACKFILLED AND STABILIZED IN ONE WORK DAY. ALL EXISTING TRAFFIC MUST BE MAINTAINED THROUGHOUT CONSTRUCTION. 3. STABILIZE ALL EXISTING VEGETATIVE DISTURBED AREAS IN ACCORDANCE WITH STANDARDS AND SPECIFICATIONS AT THE END OF EACH WORK DAY. _______ 14



STAPLES AT TOP AND MID-SECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS FOR

20 LBS/IN (MIN.)

4. SILT FENCE SHALL BE INSPECTED AFTER EACH RAINFALL EVENT AND MAINTAINED WHEN BULGES OCCUR OR WHEN SEDIMENT ACCUMULATION REACHED 50% OF THE FABRIC HEIGHT.

75% (MIN.)

3. WHERE ENDS OF GEOTEXTILE FABRIC COME TOGETHER, THEY SHALL BE OVERLAPPED,

0.3 GAL FT/MIN (MAX) TEST: MSMT 322

TEST: MSMT 509

TEST: MSMT 322

← EYE BOLTS 60" CMP--- GEOTEXTILE CLASS E PERFORATE 60" CMP 2' CLEANOUT DEPTH WITH 1" HOLES AT 6" ON CENTER. 1/2" STEEL PLATE WELDED ELEVATION TO PIPES WATERTIGHT EYE BOLTS -PLAN VIEW STANDARD SYMBOL

CONSTRUCTION SPECIFICATIONS

1. THE FOLLOWING FORMULA SHOULD BE USED IN DETERMINING THE STORAGE VOLUME OF THE SEDIMENT TANK: 1 CUBIC FOOT OF STORAGE FOR EACH GALLON PER MINUTE OF PUMP DISCHARGE

2. AN EXAMPLE OF A TYPICAL SEDIMENT TANK IS SHOWN ABOVE. OTHER CONTAINER DESIGNS CAN BE USED IF THE STORAGE VOLUME IS ADEQUATE AND APPROVAL IS OBTAINED FROM THE LOCAL APPROVING AGENCY. 3. TANKS MAY BE CONNECTED IN SERIES.

X PST

MARYLAND DEPARTMENT OF ENVIRONMENT U.S. DEPARTMENT OF AGRICULTURE U.S. DEPARTMENT OF AGRICULTURE MARYLAND DEPARTMENT OF ENVIRONMENT E - 15 - 3 SOIL CONSERVATION SERVICE WATER MANAGEMENT ADMINISTRATION SOIL CONSERVATION SERVICE D -14 -2 WATER MANAGEMENT ADMINISTRATION Silt Fence Portable Sediment Tank Not To Scale

PERMANENT SEEDING NOTES

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

BEEDBED 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

1. PREFERRED - APPLY 2 TONS PER ACRES DOLOMITIC LIMESTONE (92 LBS./1000 SQ. FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ. FT.) BEFORE 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.)

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, 11000 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 GO LBS. KENTÜCKY 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 WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (2) - USE SOD. (3) -SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 11/2 TO 2 TONS PER ACRE (70 - 90 LBS./1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING, ANCHOR MULCH IMMEDIATELY AFTER APPLICATIONS 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 RESEEDING.

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, IF NOT PREVIOUSLY LOOSENED.

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

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 15 THRU OCTOBER 15, SEED WITH 21/2 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 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 11/2 TO 2 TONS PER ACRE (70 - 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 FT. OR HIGHER, USE 348 GAL, PER ACRE (8 GAL./1000 SQ. FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL RATES AND METHODS NOT COVERED.

21.0 STANDARD AND SPECIFICATIONS TOPSOIL

GEOTEXTILE CLASS F:

FLOW RATE

TENSILE STRENGTH

TENSILE MODULUS

FILTERING EFFICIENCY

FOLDED AND STAPLED TO PREVENT SEDIMENT BYPASS.

Definition

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

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

I. 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

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.

Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown Construction and Material Specifications

II. For the purpose of these Standards and Specifications, areas having slopes

steeper than 2:1 require special consideration and design for adequate stabilization.

I. Topsoil salvaged from the existing site may be used provided that it meets the standards as set forth in these specifications. 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.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

i. 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 mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slags, coarse fragments, gravel sticks, roots, trash, and other materials larger 11/2 inch in diameter.

 Topsoil must be free of plants or plant parts such as Bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.

Topsoil Specifications (FOR SEDIMENT CONTROL/STABILIZATION PURPOSES)

DATE | 600 SCALE MAP NO.

iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tonslacre (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.

II. For sites having disturbed areas under 5 acres:

i. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and III. For sites having disturbed areas over 5 acres:

I. 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 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.

b. Organic contents 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

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 topsoil.

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 Application

i. When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slop Silt Fence and Sediment Traps and Basins.

ii. 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 " - 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.

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS U.S. NATURAL RESOURCE CONSERVATION SERVICE THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT. HOWARD S.C.D.

AS BUILT DATE FEB. 12, 2002

BLOCK NO.

ENGINEERS CERTIFICATION:

"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 STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, DATED APRIL, 1994."



A Team of Land Planners,

Environmental Professionals

Landscape Architects,

Golf Course Architects,

Engineers, Surveyors &

200 East Pennsylvania Avenue

Towson, Maryland 21286

(410) 296-3333

Fax 296-4705

Permanent / Temporary Seeding Notes

BY NO.

DRAWN BY: KMF CHECKED BY: しょく ミ

SEDIMENT CONTROL **DETAILS AND SPECIFICATIONS.**

EMERSON FORMERLY KEY PROPERTY

CONTRACT NO. 44-3870-D

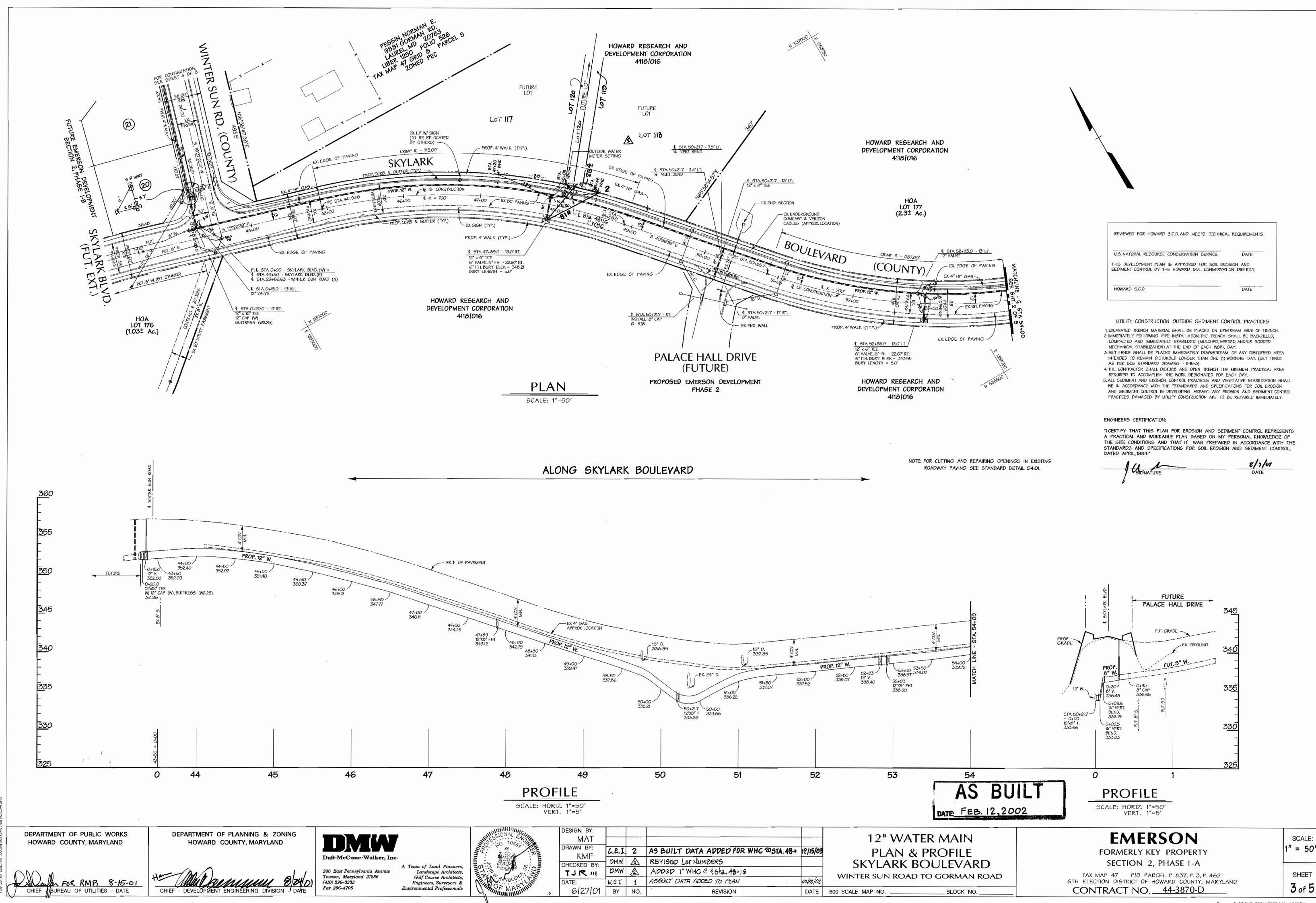
SECTION 2, PHASE 1-A TAX MAP 47 P/O PARCEL P. 837, P. 3, P. 462 6TH ELECTION DISTRICT OF HOWARD COUNTY, MARYLAND

SHEET

SCALE:

AS SHOWN

Tue Jul 10 09:28:45 200H\95054\final\95054f.wc5



Tue Jul 10 08:51:19 200h:\95054Vino\95054f.wct