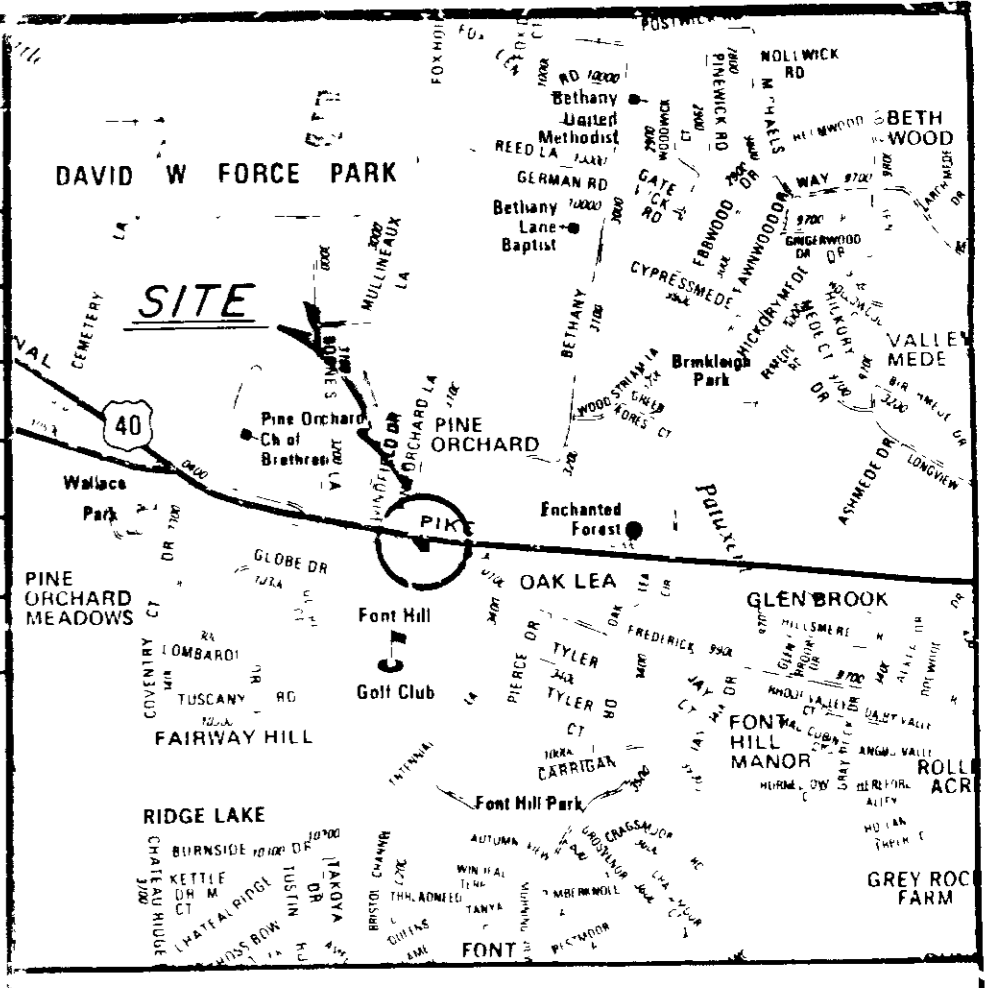
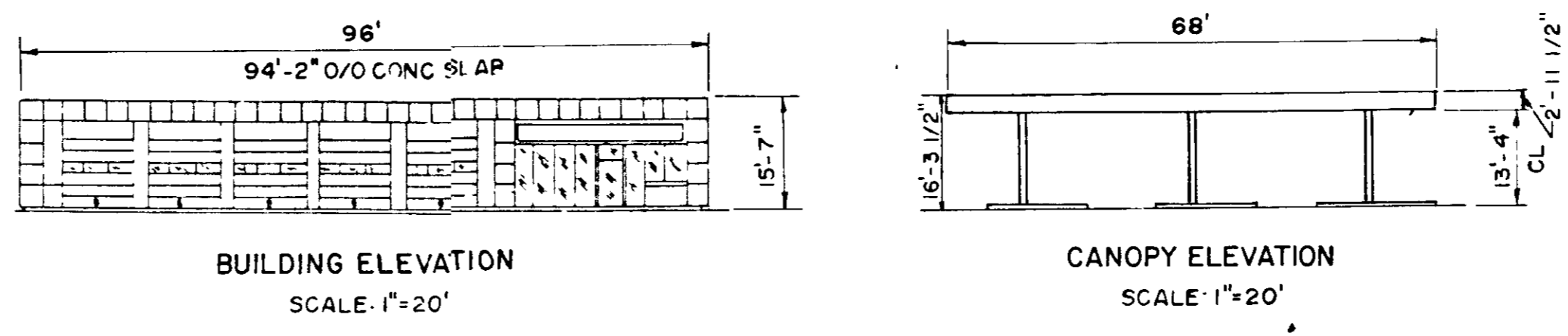


SHEET INDEX	
SHEET No.	DESCRIPTION
1	SITE & UTILITIES PLAN
2	SANITARY PROFILES NOTES & DETAILS
3	GRADING & SEDIMENT CONTROL
4	SEDIMENT CONTROL DETAILS
5	LANDSCAPE PLAN

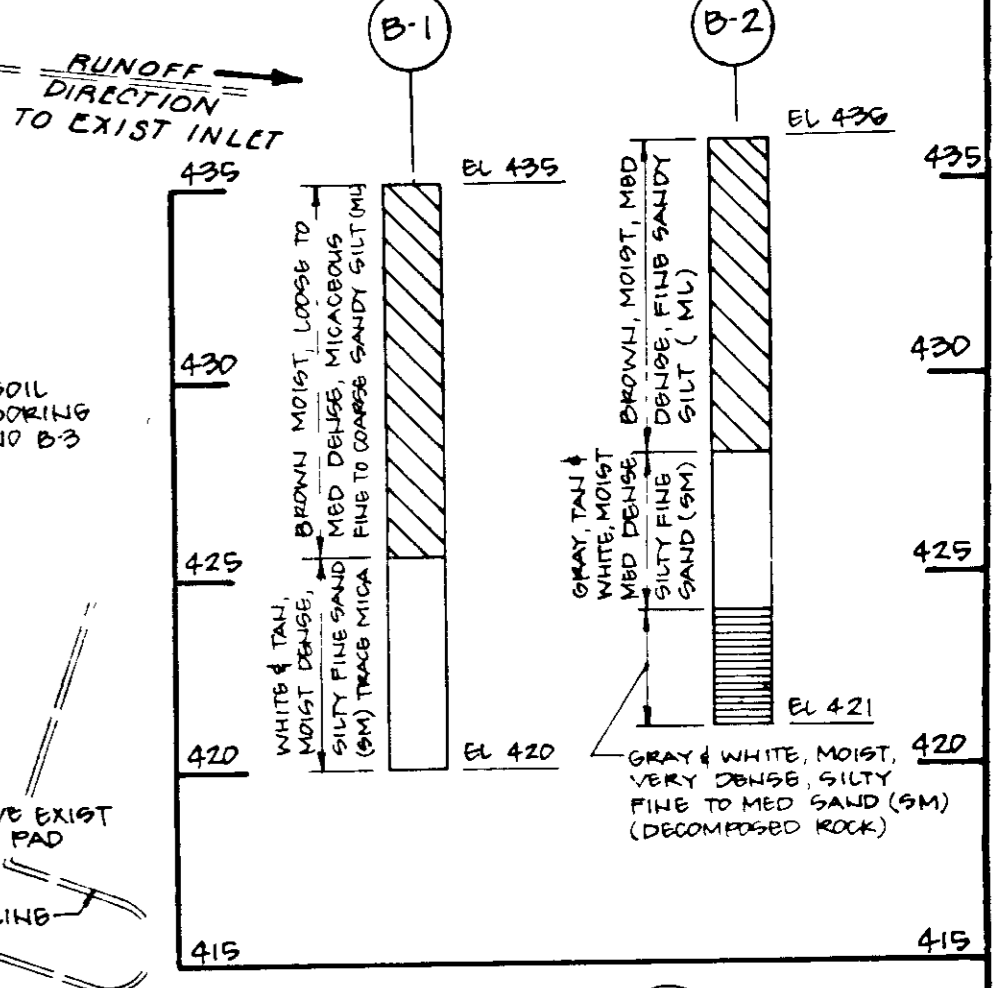
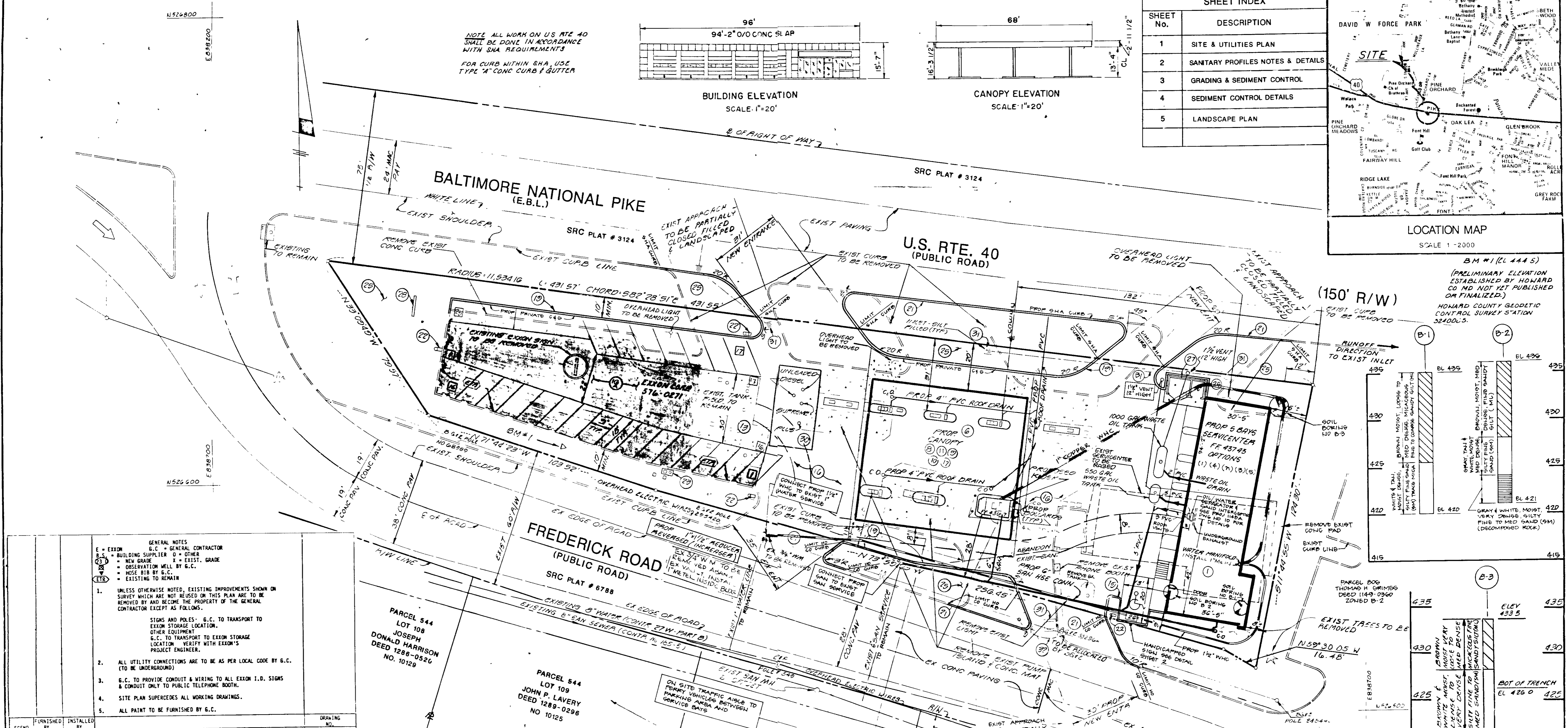


LOCATION MAP  
SCALE 1"=2000

BM #1 (CL 444.5)  
(PRELIMINARY ELEVATION ESTABLISHED BY HOWARD CO MD NOT YET PUBLISHED OR FINALIZED.)  
HOWARD COUNTY GEODETIC CONTROL SURVEY STATION 32400.5



NOTE: ALL WORK ON US RTE 40 SHALL BE DONE IN ACCORDANCE WITH SHA REQUIREMENTS FOR CURB WITHIN SHA, USE TYPE 'A' CONC CURB & GUTTER



- GENERAL NOTES**
- E = EXIST
  - G.C. = GENERAL CONTRACTOR
  - B.S. = BUILDING SUPPLIER
  - O = OTHER
  - N.G. = NEW GRADE
  - I = EXIST. GRADE
  - OB = OBSERVATION WELL BY G.C.
  - M = MOSE B18 BY G.C.
  - ETC = EXISTING TO REMAIN
- UNLESS OTHERWISE NOTED, EXISTING IMPROVEMENTS SHOWN ON SURVEY WHICH ARE NOT REUSED ON THIS PLAN ARE TO BE REMOVED BY AND BECOME THE PROPERTY OF THE GENERAL CONTRACTOR EXCEPT AS FOLLOWS.
    - STIGNS AND POLES: G.C. TO TRANSPORT TO EXXON STORAGE LOCATION. OTHER EQUIPMENT G.C. TO TRANSPORT TO EXXON STORAGE LOCATION. VERIFY WITH EXXON'S PROJECT ENGINEER.
  - ALL UTILITY CONNECTIONS ARE TO BE AS PER LOCAL CODE BY G.C. (TO BE UNDERGROUND)
  - G.C. TO PROVIDE CONDUIT & WIRING TO ALL EXXON I.D. SIGNS & CONDUIT ONLY TO PUBLIC TELEPHONE BOOTH.
  - SITE PLAN SUPERCEDES ALL WORKING DRAWINGS.
  - ALL PAINT TO BE FURNISHED BY G.C.

LEGEND	FURNISHED BY	INSTALLED BY	BUILDING	DRAWING NO.
1	BS	BS	BUILDING 84-5F# (PROJ. 1148)	1148, 1-13 P S.A. 2-A
6	BS	BS	CANOPY/ISLANDS	2310, 1-3
8	BS	BS	KIOSK K-9	4001, 1-3
9	GC	GC	CONCRETE ISLANDS - PAINT BLACK	
10	GC	GC	DISPENSING EQUIPMENT (9) MPO-L (1) ELECTRONIC DIESEL DISPENSER	
11	E	GC	TRANSAC SYSTEM TERA	
13	E	GC	YARD AREA - TANKS (3) 11" T.P. STP W/LEAK DETECTORS, EXIST 4" H.P. DIESEL STP TO REMAIN EXIST CONC MAT TO REMAIN SAN CUT AS REQUIRED TO REPLACE WITH 3" FIBERGLASS PIPING AND VENTING LINES	1170, 1-2
14	GC	GC	VAPOR RECOVERY SYSTEM STAIR	1170, 1-2
15	GC	GC	ASPHALT PAVING PER EXXON SPECIFICATION DEPTH 11" OVERLAY	80035-1, 2
16	GC	GC	6" CONCRETE WASTE OIL TANK	80035-1, 2
17	GC	GC	6" CURB WITH 18" BOLLERS	80035-1, 2
18	GC	GC	DRIVE APPROACH AND CURBING OUTSIDE PROPERTY LINE PER LOCAL CODE (SEE S.H.A. NOTE)	
19	GC	GC	(5) NEW YARD LIGHT FIXTURES AND PILES - PREFINISHED	1043
20	GC	GC	LANDSCAPING	1043
21	GC	GC	UPED TIME SENSITIVE EXTINGUISHER AMBER SERIES 800	1043
22	GC	GC	WASH ENGINE/DRIVE W/REIN CONCRETE PAD	1043
23	GC	GC	INSTALL 10" PRICE SIGN FRAME AND POLES PAINT BLACK (24" DIA) P.I.D. / (10) 5" DIA 5' DIAPHRAGM ANGLE IRON (8) 1" DIA 5' DIAPHRAGM ANGLE IRON (2) 6" SHACK SHOP (1) 5' CAR WASH	1100-1
24	GC	GC	INSTALL 10" PRICE SIGN FRAME AND POLES PAINT BLACK (24" DIA) P.I.D. / (10) 5" DIA 5' DIAPHRAGM ANGLE IRON (8) 1" DIA 5' DIAPHRAGM ANGLE IRON (2) 6" SHACK SHOP (1) 5' CAR WASH	1100-1
29	GC	GC	INSTALL 4" NEW REMOTE FILL AS SHOWN	N/A
30	GC	GC	REMOVE & REBUILD EXIST INLET	N/A
31	GC	GC	RELOCATE EXIST GAS ELECTRIC POLE AS SHOWN	N/A
32	GC	GC	1" D VENT RISER	N/A

SEE SHEET 2 FOR SITE ANALYSIS DATA & ADDITIONAL NOTES

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

*[Signature]* DATE 12-8-88

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING

*[Signature]* DATE 12/28/88

APPROVED: CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

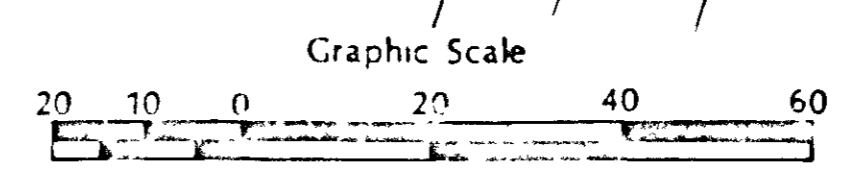
*[Signature]* DATE 12-23-88

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

*[Signature]* DATE 12-6-88

DIRECTOR CHIEF BUREAU OF ENGINEERING

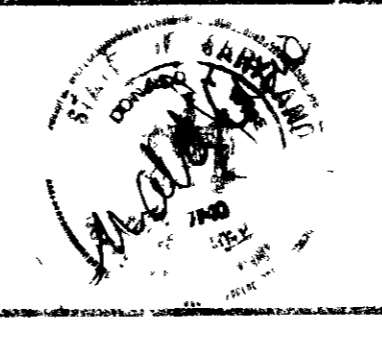
THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 752-2920 FOR UTILITIES AND OTHER OBSTRUCTIONS AS SHOWN HEREON HAVE BEEN LOCATED BY ACTUAL FIELD MEASUREMENTS SUPPLEMENTED BY INFORMATION OBTAINED FROM THE VARIOUS AGENCIES INVOLVED. HOWEVER, WE DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF THE INFORMATION RECEIVED. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION AND MUST NOTIFY THE UTILITY COMPANIES INVOLVED AND MISS UTILITY AT 1-800-257-7777 PRIOR TO COMMENCING WORK.



**STV / LYON ASSOCIATES**  
Engineers - Surveyors - Planners  
21 Governor's Court Baltimore, Maryland 21202  
Telephone: 301-949-9112

NO.	DATE	DESCRIPTION
1	11-8-88	REVISED PER COUNTY COMMENTS DATED 10/12/88
2	12-23-88	WATER MAIN LOCATION & 1" VENT TO BE REMOVED

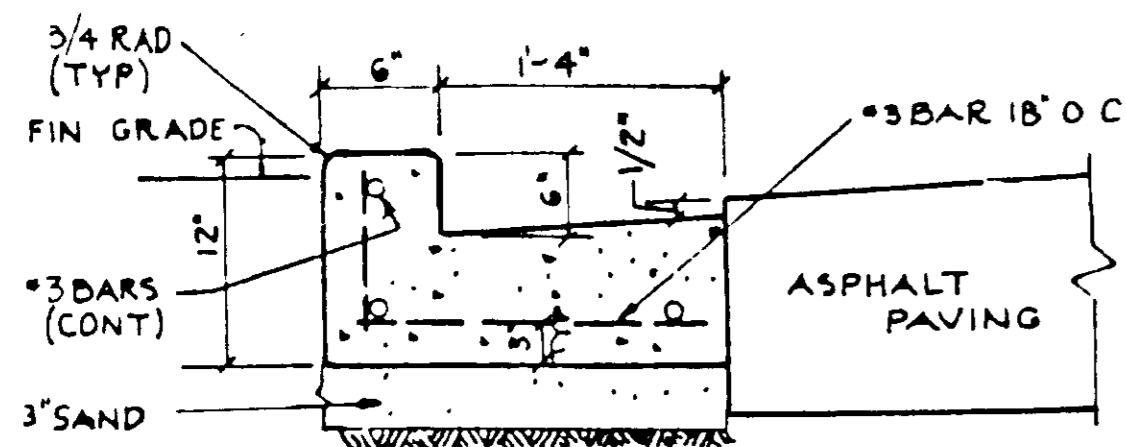
OWNER / DEVELOPER  
**EXXON COMPANY U.S.A.**  
11350 McCormick Road  
Hunt Valley, Maryland 21031  
ATTN: ALAN FOLEY  
TEL: (301) 785-6749



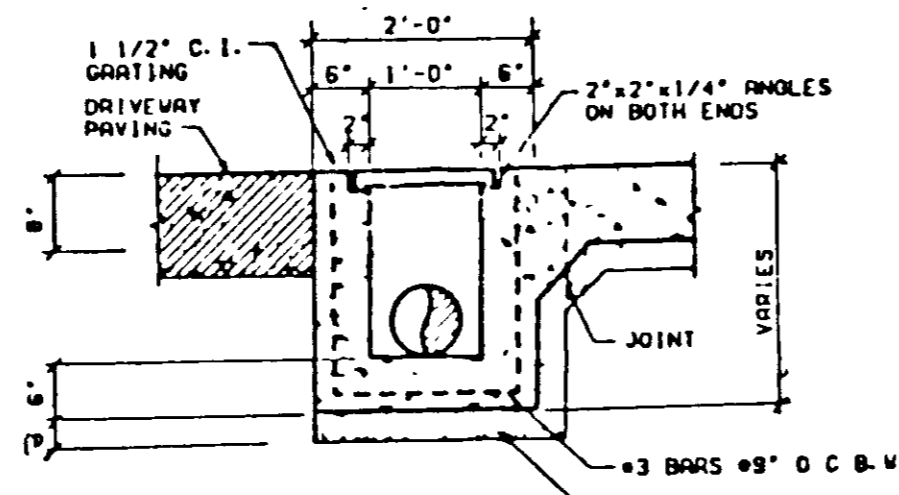
PLAN PREPARATION	
TLB	8/17/87
EJM	1"=20'
JOB NO.: 7518-53-076	

**SITE & UTILITIES PLAN**  
EXXON COMPANY, U.S.A.  
10193 BALTIMORE NATIONAL PIKE & FREDERICK RD.  
2ND ELECT. DIST. - HOWARD COUNTY, MARYLAND

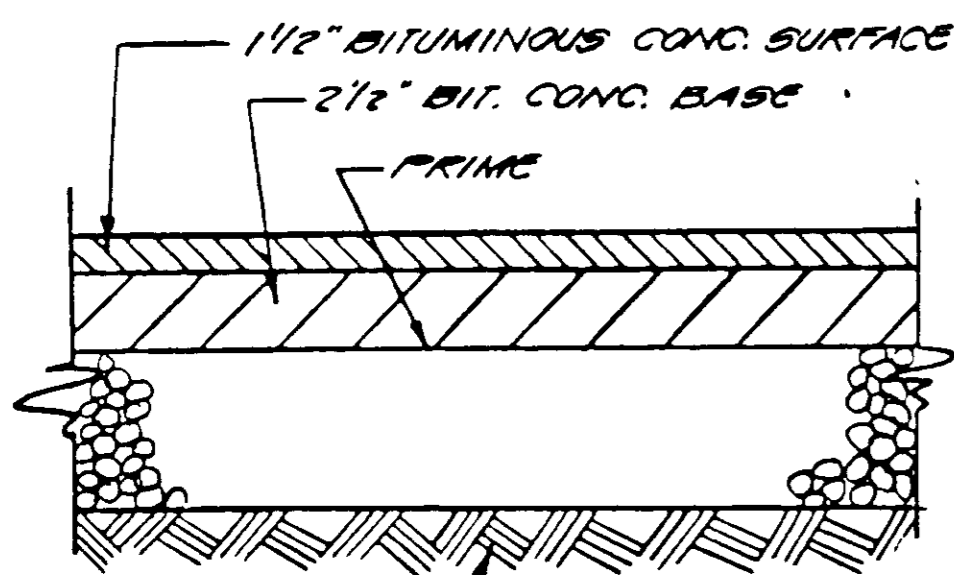
DRAWING NO. 2-2794  
SHEET NO. 15



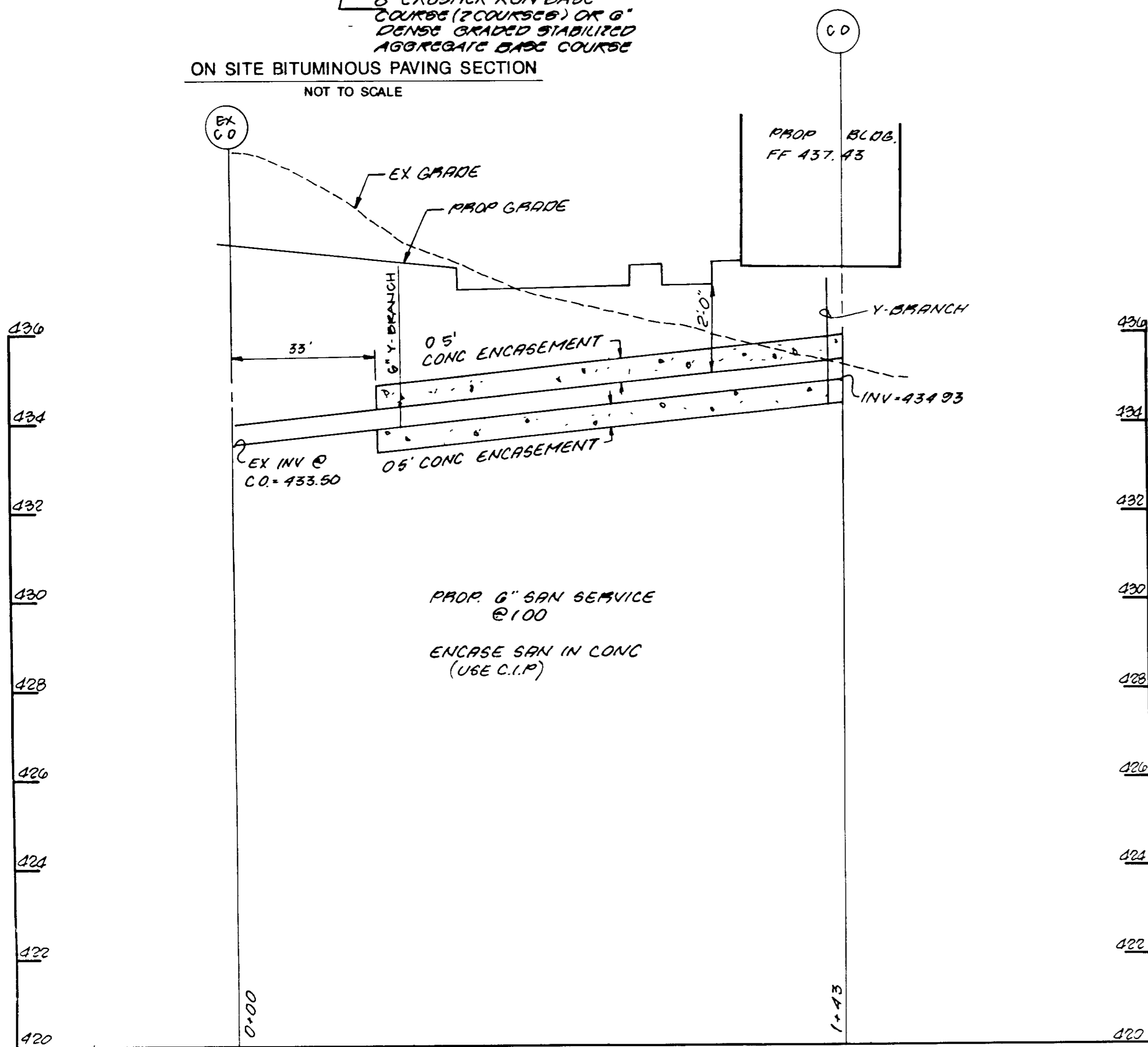
PRIVATE CURB AND GUTTER  
NOT TO SCALE



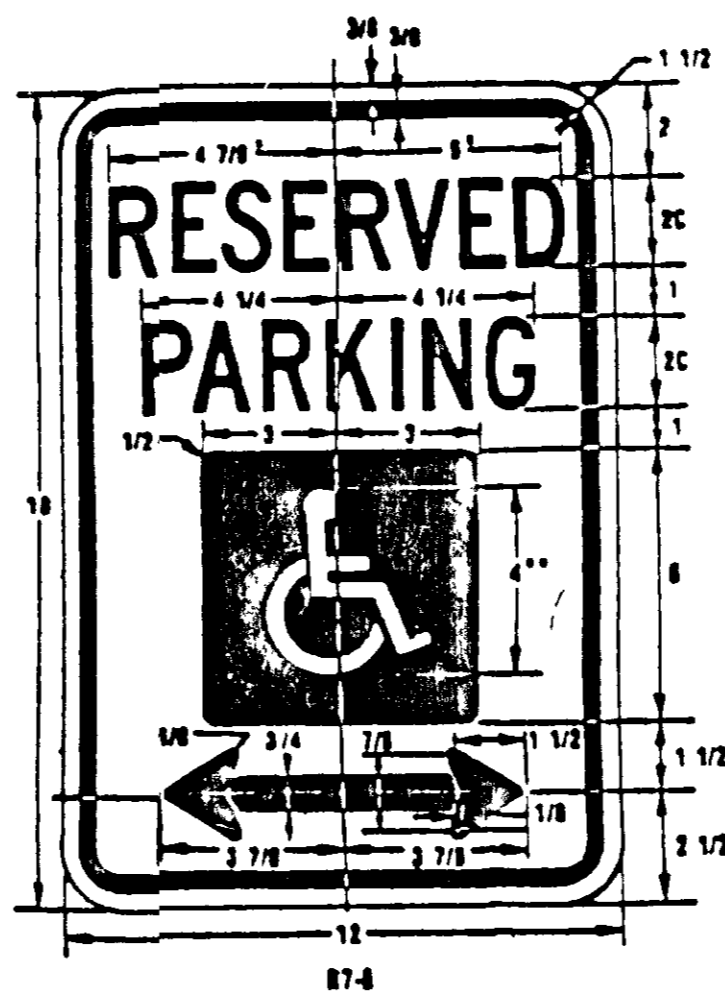
SECTION THRU TRENCH DRAIN  
NOT TO SCALE



ON SITE BITUMINOUS PAVING SECTION  
NOT TO SCALE



SANITARY SEWER PROFILE  
SCALE  
HORIZ 1" = 20'  
VERT 1" = 2'



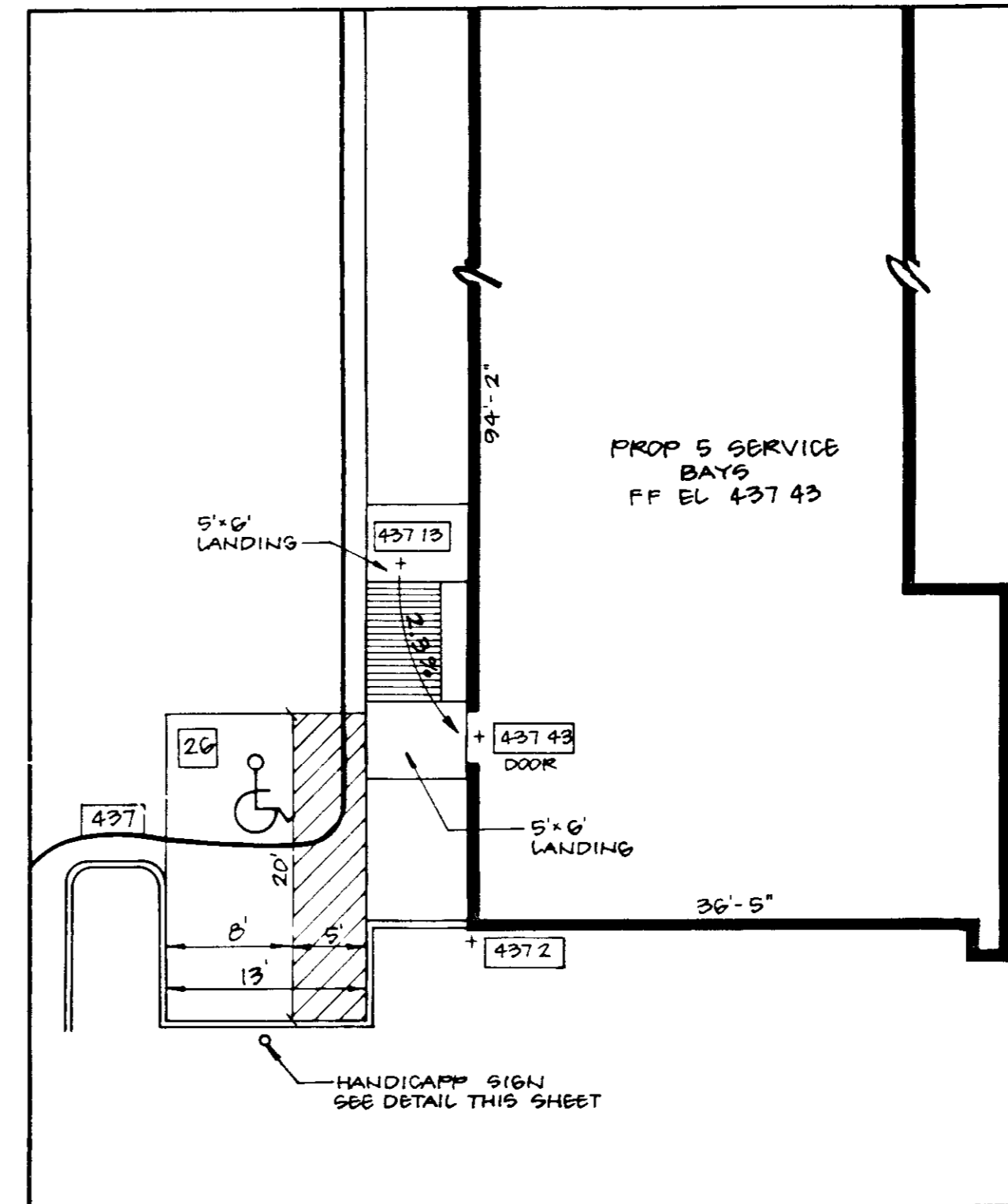
LEGEND AND BORDER—GREEN  
WHITE SYMBOL ON BLUE BACKGROUND  
BACKGROUND—WHITE

MOUNTING  
ABOVE SIGN SHALL BE MOUNTED DIRECTLY BELOW THE STANDARD 87-8 RESERVED PARKING FOR HANDICAPPED SIGN. ITS BOTTOM EDGE SHALL BE NO LESS THAN 7 FEET ABOVE GROUND. IF THE SIGN IS PLACED AGAINST A BUILDING, STRUCTURE, OR OTHER LOCATION WHERE VEHICLE OR PEDESTRIAN TRAFFIC IS NOT OBSTRUCTED THE BOTTOM EDGE OF SIGN SHALL BE AT LEAST 6 FEET BUT NOT MORE THAN 10 FEET ABOVE GROUND. BECAUSE THIS IS IN ADDITION TO EXISTING SIGN INSTALLATIONS, SOME ADJUSTMENT IN HEIGHT WILL BE NECESSARY.

SPECIFICATION  
HANDICAPPED PARKING SPACE VIOLATION FINE NOTATION  
PURSUANT TO HOWARD COUNTY COUNCIL BILL 88-88 WHICH ESTABLISHED A FIFTY DOLLAR (50.00) FINE FOR VIOLATIONS OF HANDICAPPED PARKING AND PROVIDED FOR POSTING NOTIFICATIONS OF THAT FINE. THIS SPECIFICATION DESCRIBES THE SIGN AUTHORIZED FOR POSTING AND THE ASSOCIATED MOUNTING METAL.  
1 SIGN (12/1/82)



SIGN TO UTILIZE AN ALUMINUM BLADE 6" x 12" x 0.008 INCH THICK WITH TWO (2) SINGLE POST MOUNTING HOLES.  
THE TEXT AND BORDER SHALL BE STANDARD GREEN TO MATCH THAT ON 87-8 AND THE BACKGROUND SHALL BE REFLECTIVE WHITE. TEXT SHALL BE 18" CHARACTERS.



HANDICAP DETAIL  
SCALE: 1" = 10'

- GENERAL NOTES:
- BEARINGS AND COORDINATES AS SHOWN HEREON ARE BASED ON THE GRID MERIDIAN AS ESTABLISHED BY THE HOWARD GEODETIC CONTROL SURVEY STATIONS 3240005 NORTH 526,615.517 EAST 839,351.344 3240006 NORTH 526,558.644 EAST 839,530.099
  - ELEVATIONS AS SHOWN HEREON ARE BASED ON HOWARD COUNTY GEODETIC CONTROL SURVEY STATION 3240005. ELEVATION = 444.5 FEET (PRELIMINARY ELEVATION ESTABLISHED BY HOWARD COUNTY, MARYLAND, NOT YET PUBLISHED OR FINALIZED).
  - UTILITIES AND OTHER OBSTRUCTIONS AS SHOWN HEREON HAVE BEEN LOCATED BY ACTUAL FIELD MEASUREMENT, SUPPLEMENTED BY INFORMATION OBTAINED FROM THE VARIOUS AGENCIES INVOLVED. HOWEVER, WE DO NOT GUARANTEE THE ACCURACY NOR THE COMPLETENESS OF THE INFORMATION RECEIVED. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION AND MUST NOTIFY THE UTILITY COMPANIES INVOLVED PRIOR TO THE START OF WORK.
  - OWNER  
EXXON CORPORATION  
P.O. BOX 53  
HOUSTON, TEXAS 77001  
PROPERTY SHOWN ON TAX MAP #24, PARCEL 420  
ACCT. NO 1402-207389
  - SITE AREA. 35,504 SQUARE FEET ± OR 0.81506 ACRES ±
  - ZONING CLASSIFICATION B-2 \*SEE BOARD OF APPEALS CASE NO. 86-20 E & V
  - BUILDING COVERAGE 8022 SF ± OR 8.5% OF TOTAL PARCEL.
  - OPEN SPACE (GREEN AREA) TO REMAIN 8200 SF OR 23% OF TOTAL PARCEL
  - NUMBER OF GREASE RACKS AND SERVICE BAYS 5
  - NUMBER OF EMPLOYEES ON DUTY ON MAJOR SHIFT: 6
  - NUMBER OF ACCESSORY VEHICLES (TOW & SERVICE) ON SITE: 1
  - PARKING SPACES REQUIRED 3 GREASERACK OR SERV. BAYS X 5 = 15  
EMPLOYEES ON DUTY = 6  
ACCESSORY VEHICLES = 1  
22
  - PARKING SPACES PROVIDED. 26 (INCLUDING 1 HANDICAPPED).
  - AREA OF PARKING LOTS: 8700 SF
  - AREA AND PERCENTAGE OF LANDSCAPED ISLAND CONTAINED WITHIN THE PARKING LOTS = 0.
  - PUBLIC SEWER AND WATER AVAILABLE.
  - GAS TO SERVICENTER BY B.G. & E.
  - ALL OUTDOOR LIGHTING SHALL BE DIRECTED INWARD AND DOWNWARD ON SITE

THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION DIVISION 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 792-2634.

NOTE: ALL DISTURBED OR NEW PAVING REQUIRED WITHIN S.H.A. RIGHT-OF-WAY SHALL BE PLACED AS FOLLOWS:  
3" (NOMINAL) BITUMINOUS CONCRETE SURFACE (2-1 1/2" COURSES) ON 4" (NOMINAL) BITUMINOUS CONCRETE BASE OR ONE OF THE FOLLOWING:  
6" GRADED AGGREGATE BASE, OR  
7" BANK RUN GRAVEL BASE.

FOR CURB WITHIN S.H.A. USE TYPE 'A' CONC CURB & GUTTER  
ALL WORK ON U.S. ROUTE 40 SHALL BE DONE IN ACCORDANCE WITH S.H.A. REQUIREMENTS

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER  
DATE 12-8-88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DIRECTOR  
DATE 12-28-88

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
DATE 12-22-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR  
DATE 12-22-88

CHIEF BUREAU OF ENGINEERING

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
420	10933 BALTIMORE NATIONAL PIKE

SUBDIVISION NAME	SECT./AREA	PARCEL #
EXXON SERVICE STATION		420
PLAT # OR L.F.	BLOCK #	ZONE
576-0271	1	B-2
TAX ZONE	SELEC. MAP #4	DIST. #
		2003.01
WATER CODE	SEWER CODE	
HC	5916000	

**STV / LYON ASSOCIATES**  
Engineers Surveyors Planners  
21 Governor's Court Baltimore, Maryland 21207  
Telephone 301-944-9112

REVISIONS		
NO	DATE	DESCRIPTION
1	11-9-88	REVISED PER COUNTY COMMENTS DATED 10/12/88

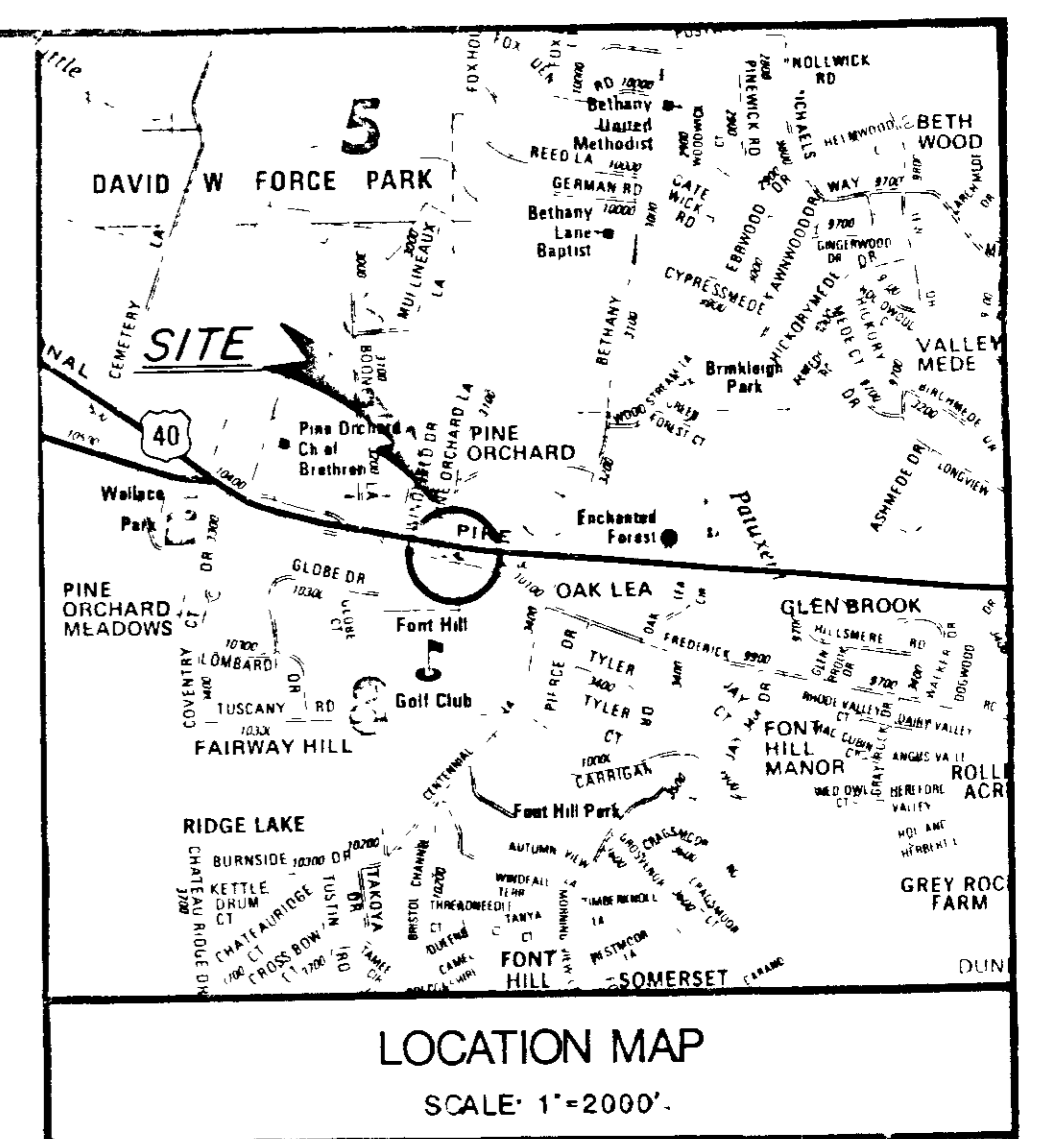
OWNER / DEVELOPER  
EXXON COMPANY U.S.A.  
11350 McCORMICK ROAD  
HUNT VALLEY, MARYLAND 21031  
ATTN. ALAN FOLEY  
TEL. (301) 785-6749



PLAN PREPARATION  
DRAWN BY AEC DATE APRIL 7, 1988  
DESIGNED BY SCALE AS SHOWN  
CHECKED BY JOBNO 7518-53-076

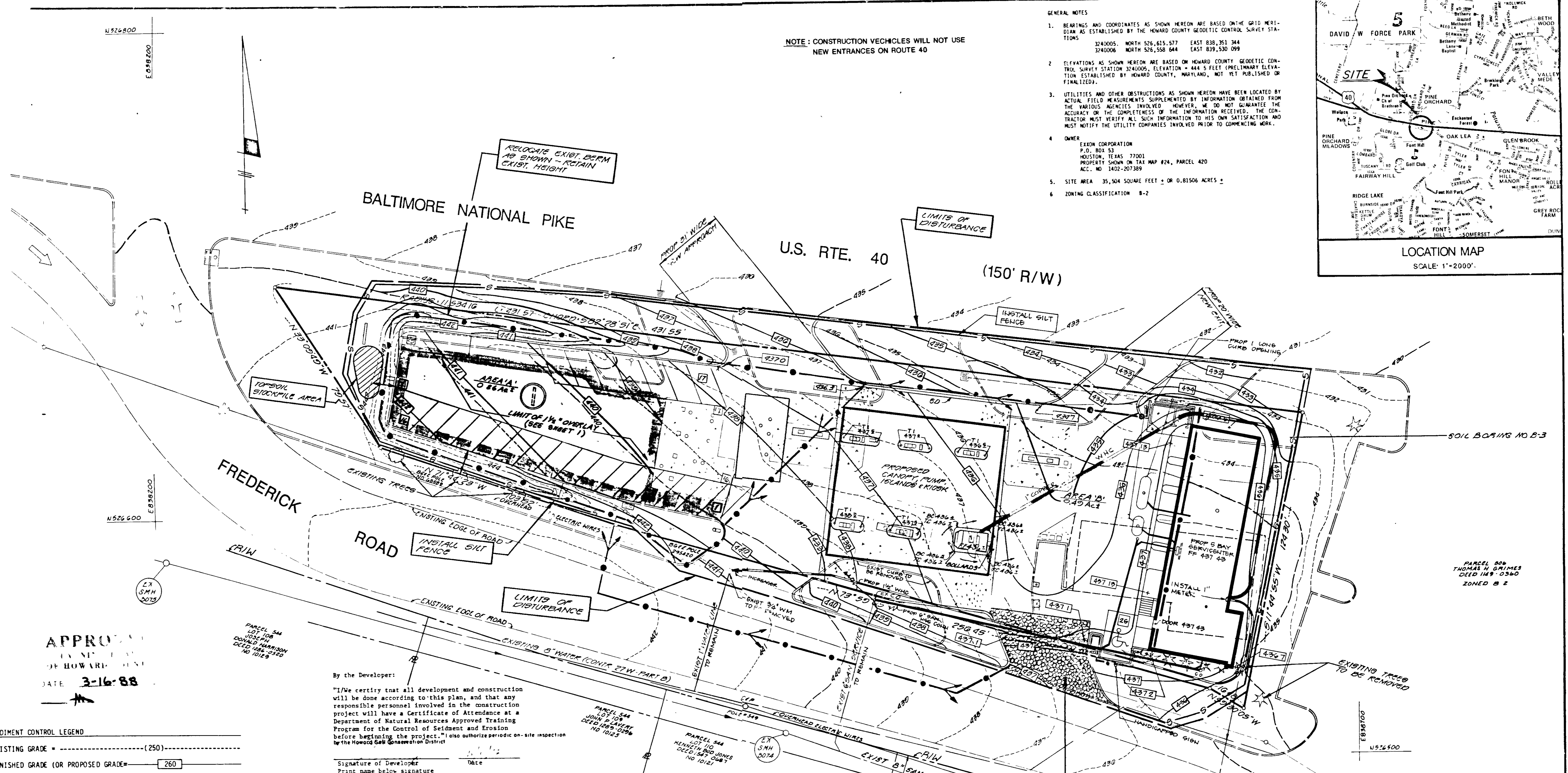
SANITARY PROFILES NOTES & DETAILS  
EXXON COMPANY, U.S.A.  
10193 BALTIMORE NATIONAL PIKE & FREDERICK RD.  
2ND ELECT. DIST.—HOWARD COUNTY, MARYLAND

DRAWING NO. 2794  
SHEET NO. 2 of 5  
SDP-88-58



- GENERAL NOTES
- BEARINGS AND COORDINATES AS SHOWN HEREON ARE BASED ON THE GRID MERIDIAN AS ESTABLISHED BY THE HOWARD COUNTY GEODETIC CONTROL SURVEY STATIONS  
 3240005 NORTH 526,615.577 EAST 838,351.344  
 3240006 NORTH 526,558.644 EAST 839,530.099
  - ELEVATIONS AS SHOWN HEREON ARE BASED ON HOWARD COUNTY GEODETIC CONTROL SURVEY STATION 3240005, ELEVATION = 445.5 FEET (PRELIMINARY ELEVATION ESTABLISHED BY HOWARD COUNTY, MARYLAND, NOT YET PUBLISHED OR FINALIZED).
  - UTILITIES AND OTHER OBSTRUCTIONS AS SHOWN HEREON HAVE BEEN LOCATED BY ACTUAL FIELD MEASUREMENTS SUPPLEMENTED BY INFORMATION OBTAINED FROM THE VARIOUS AGENCIES INVOLVED. HOWEVER, WE DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF THE INFORMATION RECEIVED. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION AND MUST NOTIFY THE UTILITY COMPANIES INVOLVED PRIOR TO COMMENCING WORK.
  - OWNER  
 EXXON CORPORATION  
 P.O. BOX 53  
 HOUSTON, TEXAS 77001  
 PROPERTY SHOWN ON TAX MAP #24, PARCEL 420  
 ACC. NO. 1402-207389
  - SITE AREA 35,504 SQUARE FEET ± OR 0.81506 ACRES ±
  - ZONING CLASSIFICATION B-2

NOTE: CONSTRUCTION VEHICLES WILL NOT USE NEW ENTRANCES ON ROUTE 40



APPROVED  
 DATE 3-16-88

SEDIMENT CONTROL LEGEND  
 EXISTING GRADE = (250)  
 FINISHED GRADE (OR PROPOSED GRADE) = 260  
 LIMITS OF DISTURBANCE = [Symbol]  
 STABILIZED CONSTRUCTION ENTRANCE = [Symbol]  
 SILT FENCE (WHERE APPLICABLE) = [Symbol]  
 DRAINAGE AREA LIMITS = [Symbol]

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER [Signature] DATE 12-28-88

APPROVED: HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DIRECTOR [Signature] DATE 12/28/88

CHIEF DIVISION OF COMMUNITY PLANNING  
 AND LAND DEVELOPMENT  
 DATE 12-27-88

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR [Signature] DATE 1-6-89

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/We also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer [Signature] Date [Blank]  
 Print name below signature [Blank]

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."

Signature of Engineer [Signature] Date [Blank]  
 Print name below signature [Blank]

Reviewed for HOWARD S.C.D.  
 and meets Technical Requirements.  
 [Signature] 11-29-88  
 U.S. Soil Conservation Service  
 Date 11/29/88  
 Howard S.C.D.

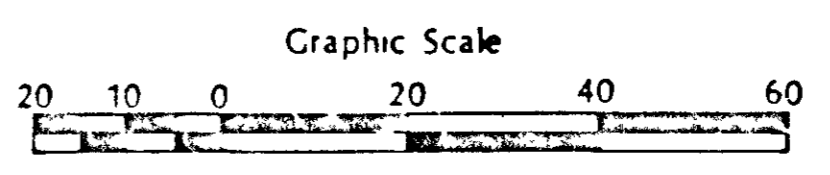
SEQUENCE OF CONSTRUCTION

DESCRIPTION OF WORK	FROM DAY NO.	TODAY NO.	TOTAL NO. DAYS
OBTAIN GRADING PERMIT	1	1	1
CLEAR & GRUB FOR SEDIMENT CONTROL MEASURES	1	4	3
INSTALL & STABILIZE SEDIMENT CONTROL MEASURES	4	8	4
RAZE EXISTING STRUCTURES	8	12	4
INSTALL REMOTE FILLS	12	20	8
CONSTRUCT CANOPY AND SERVICE BLDG FOOTINGS	20	30	10
INSTALL UNDERGROUND PIPING & CONDUITS	30	36	6
ERECT CANOPY AND SERVICE BUILDING	36	40	4
INSTALL FINAL PAVEMENT WEARING SURFACE	40	96	56
STABILIZE REMAINING OF SITE	96	100	4

REMOVE SEDIMENT CONTROL MEASURES AFTER RECEIVING PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR

APPROXIMATE STARTING DATE NOV 1988

ADJUST CONSTRUCTION SCHEDULE DUE TO INCLEMENT WEATHER. THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HOURS PRIOR TO COMMENCING WORK AT 796-2690



ADDRESS CHART

PARCEL NUMBER	STREET ADDRESS
420	1093 BALTIMORE NATIONAL PIKE

SUBDIVISION NAME: EXXON SERVICE STATION  
 SECT./AREA: 420  
 PLAN OR L/F: 576-0271  
 BLOCK #: 1  
 ZONE: B-2  
 PAR/ZONE: MAP 24  
 ELEC. DIST.: 2  
 WATER CODE: H07  
 SEWER CODE: 5910800

**STV / LYON ASSOCIATES**  
 Engineers Surveyors Planners  
 21 Governor's Court Baltimore, Maryland  
 Telephone 301-944-1112

REVISIONS

NO.	DATE	DESCRIPTION
1	11-9-88	REVISED PER COUNTY COMMENTS DATED 10/12/88
2	1-23-89	WATER METER LOCATION FIELD TO KIOSK

OWNER / DEVELOPER  
**EXXON COMPANY U.S.A.**  
 11350 MCCORMICK ROAD  
 HUNT VALLEY, MARYLAND 21031  
 ATTN. ALAN FOLEY  
 TEL. (301) 785-6749



PLAN PREPARATION

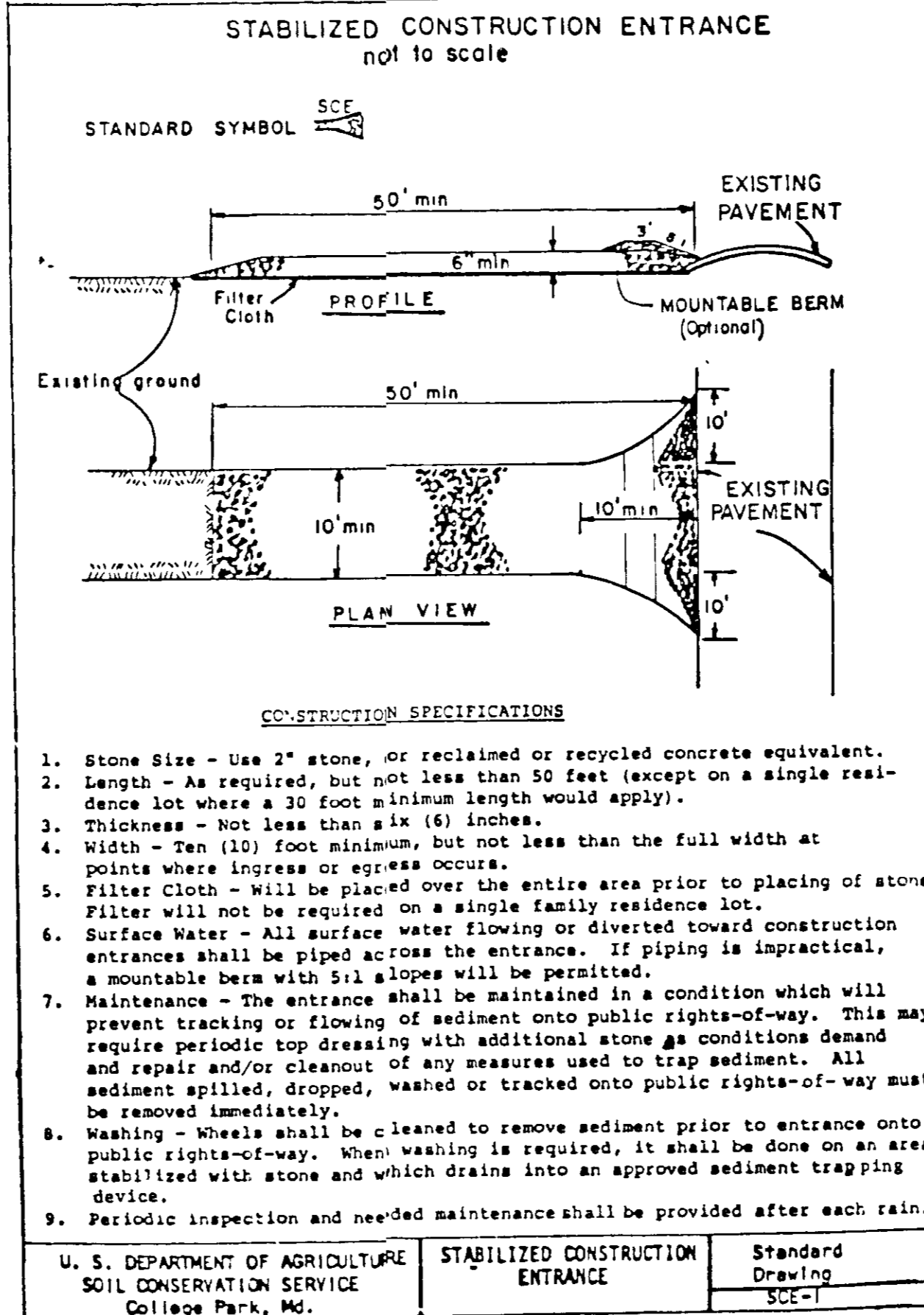
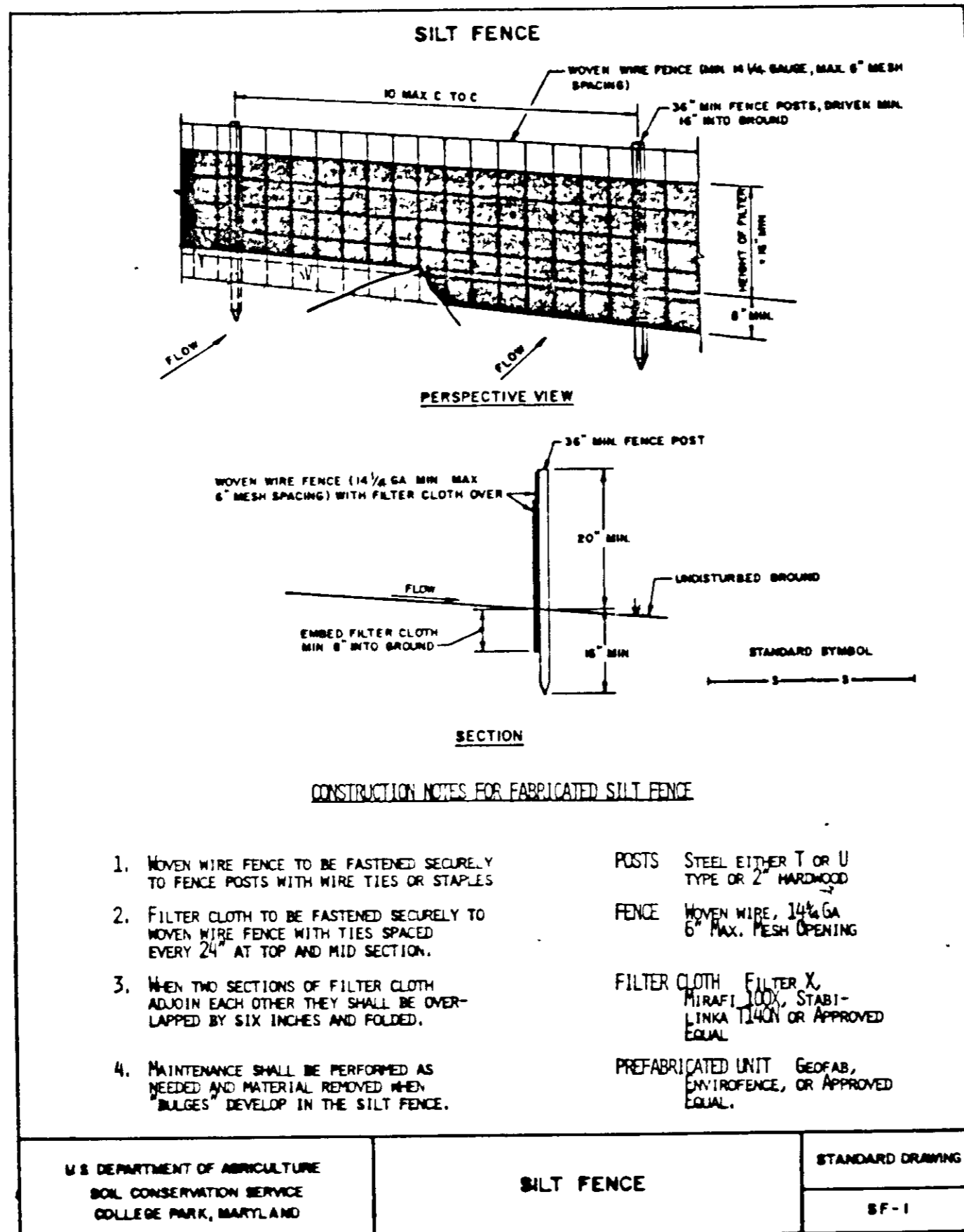
TLB	8/17/87
EJM	1"=20'
JOB NO:	7518-53-076

GRADING & SEDIMENT CONTROL  
**EXXON COMPANY, U.S.A.**  
 10193 BALTIMORE NATIONAL PIKE & FREDERICK RD.  
 2ND ELECT. DIST. - HOWARD COUNTY, MARYLAND

DRAWING NO.  
**2-2794**  
 SHEET NO.  
**3 of 5**

**SEDIMENT CONTROL NOTES**

- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (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 0.815± Acres  
 Area Disturbed 1.0± Acres  
 Area to be roofed or paved 0.53± Acres  
 Area to be vegetatively stabilized 0.18± Acres  
 Total Cut 74± Cu. yds  
 Total Fill 14± Cu. yds  
 Offsite waste/borrow area location \_\_\_\_\_
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.



**STANDARD AND SPECIFICATIONS FOR SILT FENCE**

**Definition**  
 A temporary barrier of geotextile fabric (filter cloth) used to intercept sediment laden runoff from small drainage areas of disturbed soil.

**Purpose**  
 The purpose of a silt fence is to reduce runoff velocity and effect deposition of transported sediment load. Limits imposed by ultraviolet stability of the fabric will dictate the maximum period the silt fence may be used.

**Conditions Where Practice Applies**

A silt fence may be used subject to the following conditions:

1. Maximum allowable slope lengths contributing runoff to a silt fence are listed in the table below:
 

Slope Steepness	Maximum Slope Length (Ft)
2:1	50
3:1	75
4:1	125
5:1	175
Flatter than 5:1	200
2. Maximum drainage area for overland flow to a silt fence shall not exceed 1/4 acre per 100 feet of fence, and
3. Erosion would occur in the form of sheet erosion, and
4. There is no concentration of water flowing to the barrier.

**Design Criteria**

Design computations are not required. All silt fences shall be placed as close to the contour as possible, and the area below the fence must be undisturbed or stabilized.

A detail of the silt fence shall be shown on the plan, and contain the following minimum requirements:

1. The type, size, and spacing of fence posts.
2. The size of woven wire support fences.
3. The type of filter cloth used.
4. The method of anchoring the filter cloth.
5. The method of fastening the filter cloth to the fencing support.

Where ends of filter cloth come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

See Standard Drawing SF-1 for details.

**Criteria for Silt Fence Materials**

1. Silt Fence Fabric: The fabric shall meet the following specifications unless otherwise approved by the appropriate erosion and sediment control plan approval authority. Such approval shall not constitute statewide acceptance. Statewide acceptability shall depend on in-field and/or laboratory observations and evaluations.

Fabric Properties	Minimum Acceptable Value	Test Method
Grab Tensile Strength (lbs)	90	ASTM D1682
Elongation at Failure (%)	50	ASTM D1682
Mullen Burst Strength (PSI)	190	ASTM D3786
Puncture Strength (lbs)	40	ASTM D751 (modified)
Slurry Flow Rate (gal/min/sf)	0.3	Virginia DOT VTM-51
Equivalent Opening Size	40-80	US Std Sieve CW-02215
Ultraviolet Radiation Stability I	90	ASTM-G-26

2. Fence Posts (for fabricated units): The length shall be a minimum of 36 inches long. Wood posts will be of sound quality hardwood with a minimum cross sectional area of 3.0 square inches. Steel posts will be standard T and U section weighing not less than 1.00 pound per linear foot.
3. Wire Fence (for fabricated units). Wire fencing shall be a minimum 1/4" gage with a maximum 6" mesh opening, or as approved.
4. Prefabricated Units. Envirofence or approved equal may be used in lieu of the above method providing the unit is installed per manufacturer's instructions.

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
420	10193 BALTIMORE NATIONAL PIKE

SUBDIVISION NAME	SECT / AREA	PARCEL #
EXXON SERVICE STATION		420
PLAT # OR L/F	BLOCK #	ZONC
576-0271	1	8-2
WATER CODE	SEWER CODE	ELEC. MAP 24
HOT	5910800	10191-2

**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, discing or other acceptable means before seeding

**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 November 15, seed with 25 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 (0.7 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 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 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 rate and methods not covered

**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, discing or other acceptable means before seeding

**Soil Amendments** In lieu of soil test recommendations, use one of the following schedule

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (22 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc 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 (22 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 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1 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 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 tons/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 seeded areas and make needed repairs, replacements and reseedings

"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."

Signature of Developer \_\_\_\_\_ Date \_\_\_\_\_  
 Print name below signature \_\_\_\_\_

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

Signature of Engineer \_\_\_\_\_ Date \_\_\_\_\_  
 Print name below signature \_\_\_\_\_

Reviewed for HOWARD S.C.D. and State Technical Requirements  
 Signature of Reviewer \_\_\_\_\_ Date 11-27-88  
 U.S. Soil Conservation Service

**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."  
 Signature of Engineer \_\_\_\_\_ Date 11/11/88  
 Print name below signature \_\_\_\_\_

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER \_\_\_\_\_ DATE 12-8-88

APPROVED - HOWARD COUNTY OFFICE OF PLANNING & ZONING  
 DIRECTOR \_\_\_\_\_ DATE 12/20/88

APPROVED - HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 DIRECTOR \_\_\_\_\_ DATE 12-22-88

APPROVED - FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 CHIEF BUREAU OF ENGINEERING \_\_\_\_\_ DATE 12-22-88

**STV / LYON ASSOCIATES**  
 Engineers Surveyors Planners  
 21 Governor's Court Baltimore, Maryland 21207  
 Telephone 301-944-9112

NO.	DATE	DESCRIPTION
1	10/12/88	REVISED PER COUNTY COMMENTS DATED 10/12/88

OWNER / DEVELOPER  
 EXXON COMPANY U.S.A.  
 11350 McCORMICK ROAD  
 HUNT VALLEY, MARYLAND 21031  
 ATTN: ALAN FOLEY  
 TEL: (301) 785-6749



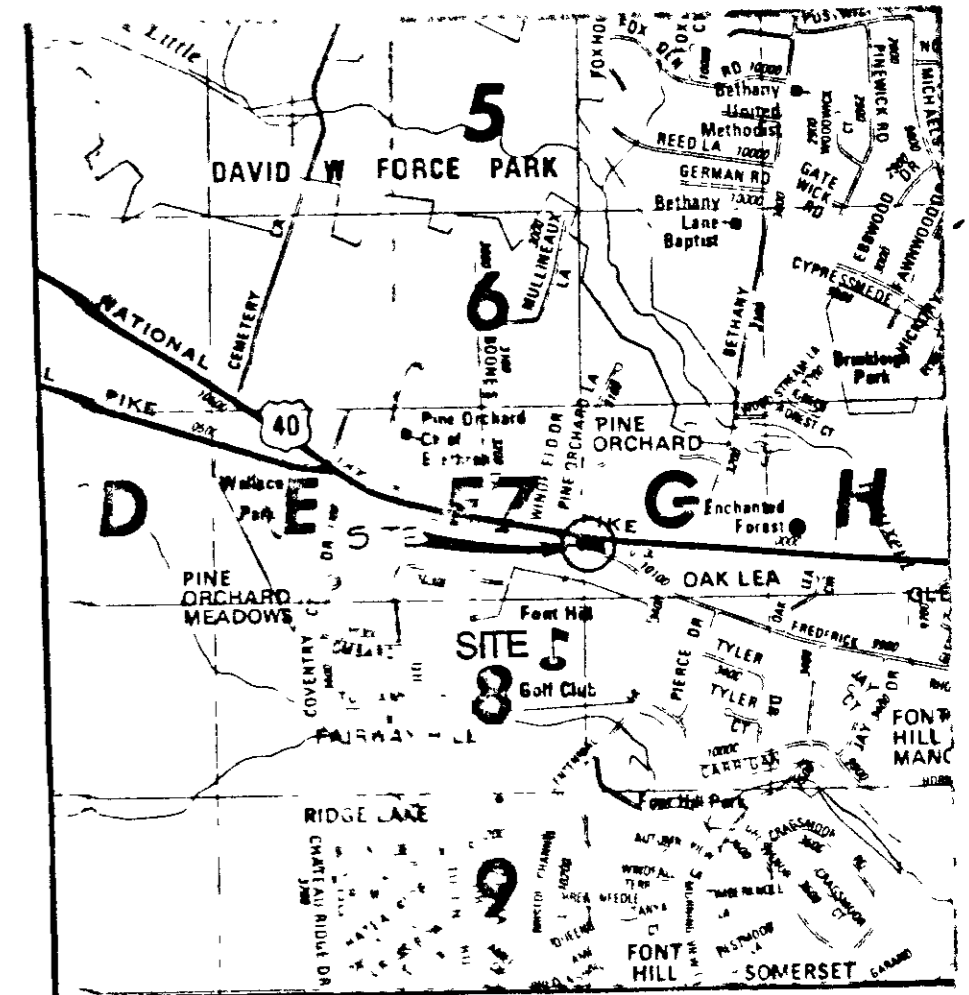
PLAN PREPARATION	
DRAWN BY WTC	DATE SEPT. 16, 1987
DESIGNED BY EJM	SCALE AS NOTED
CHECKED BY /	7518-53-076

**SEDIMENT CONTROL DETAILS**  
 EXXON COMPANY, U.S.A.  
 10193 BALTIMORE NATIONAL PIKE & FREDERICK RD.  
 2ND ELECT. DIST. - HOWARD COUNTY, MARYLAND

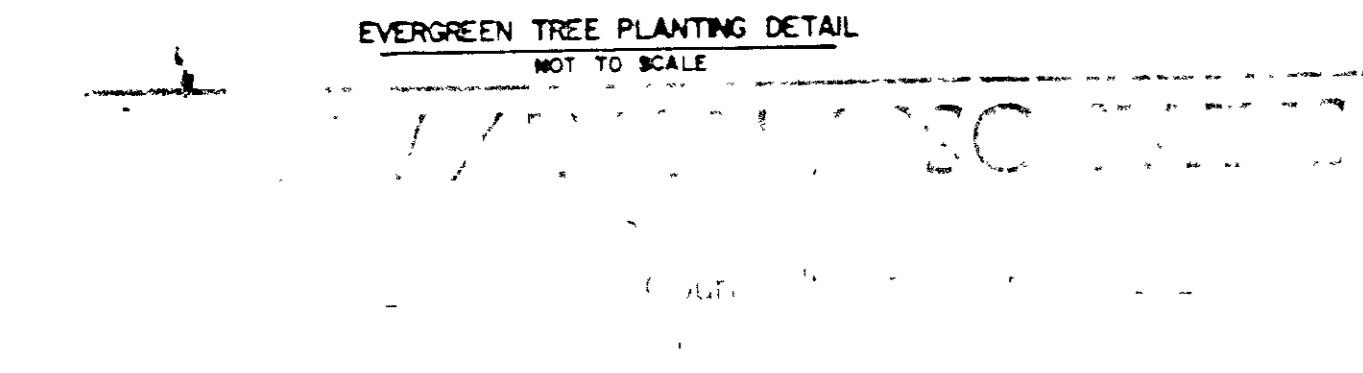
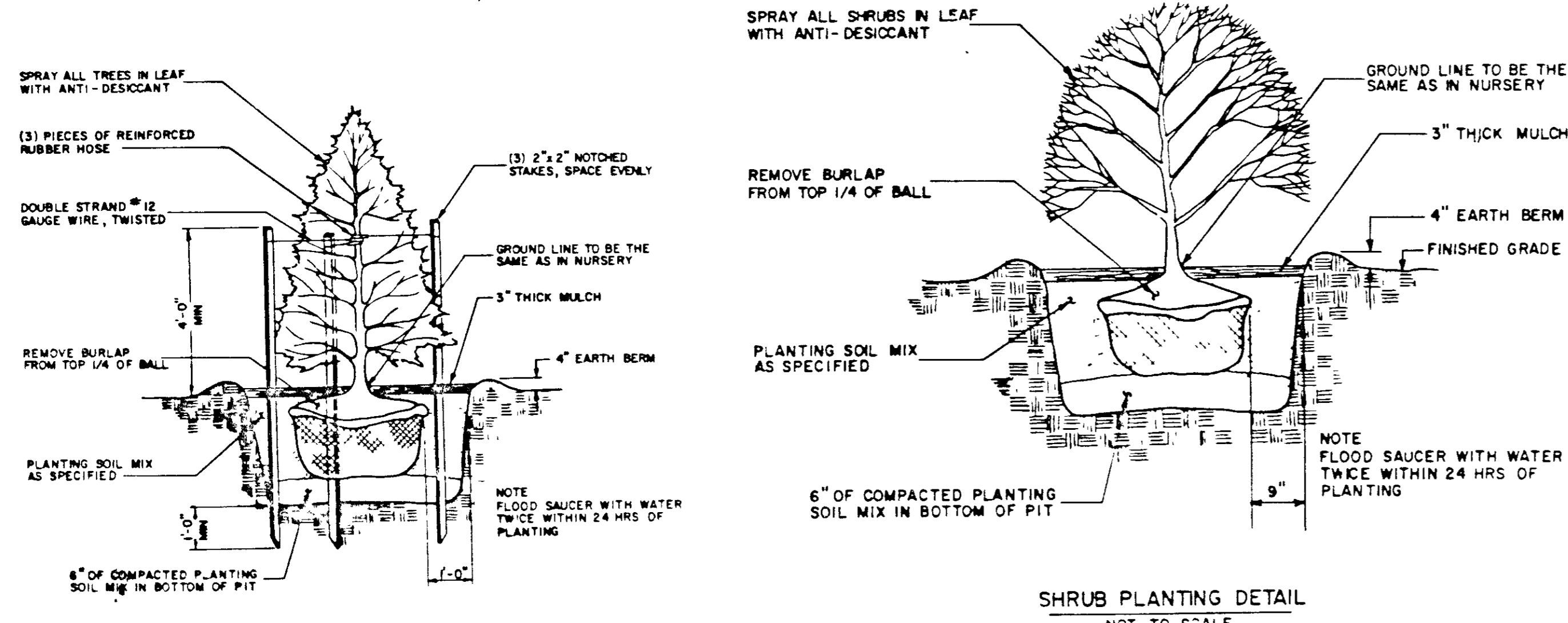
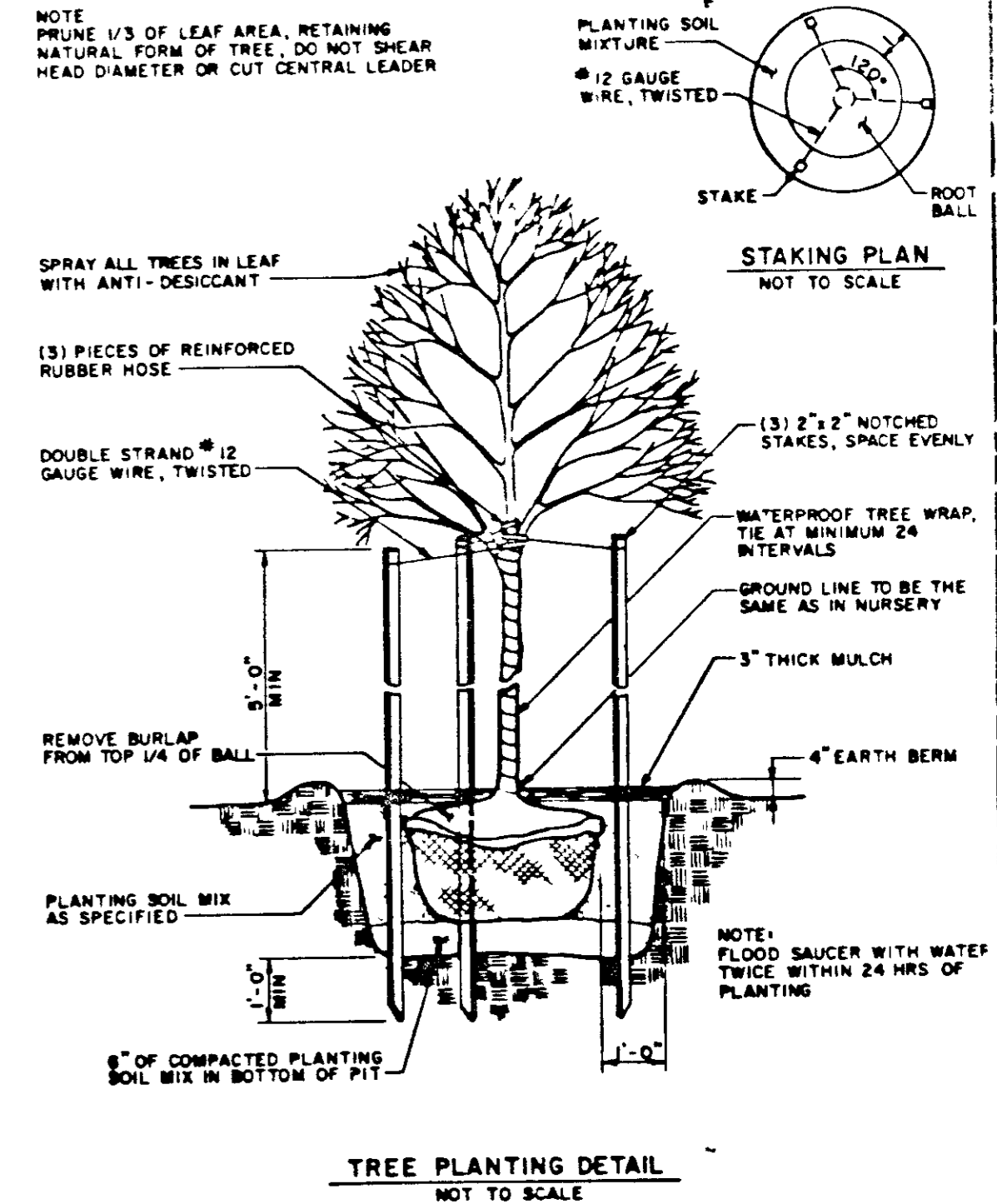
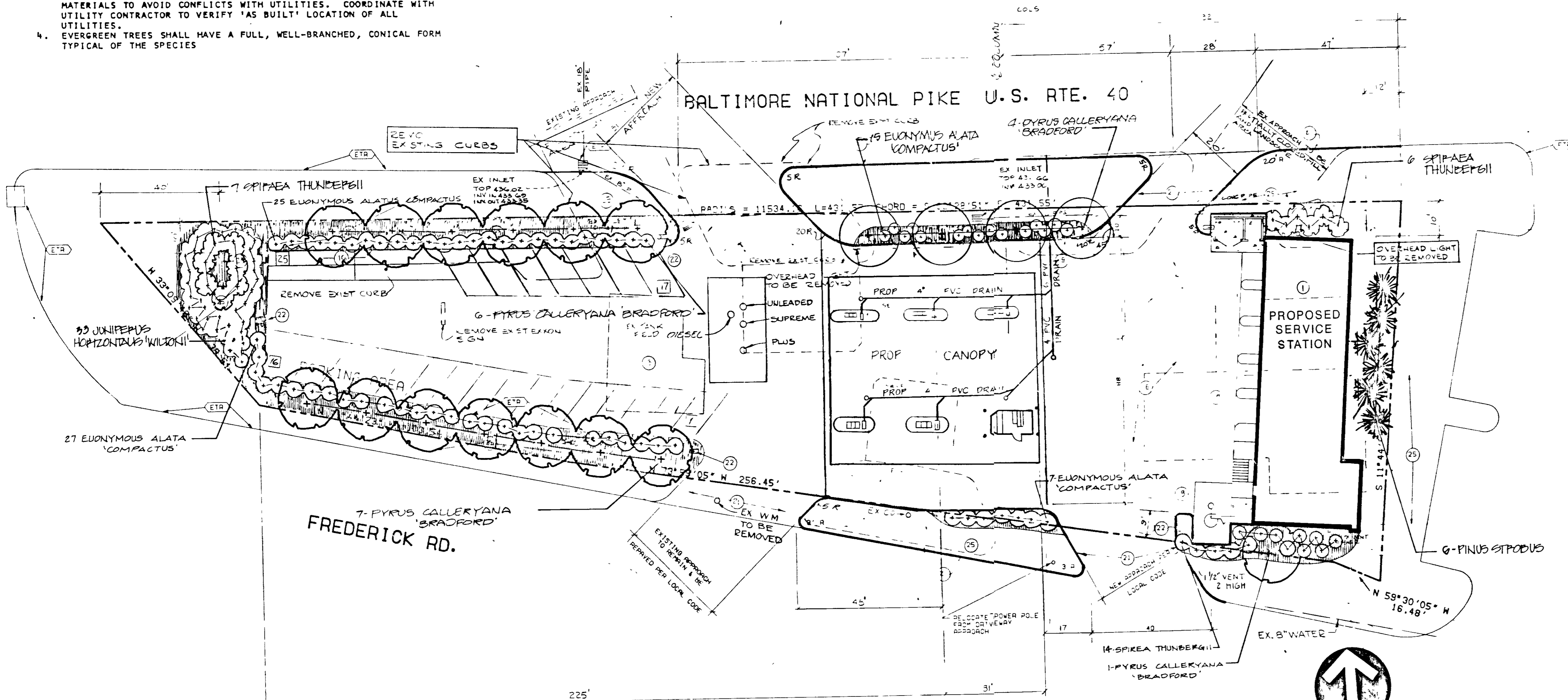
DRAWING NO. 2-2794  
 SHEET NO. 4 of 5  
 SDP-88-58

GENERAL NOTES

1. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, "AMERICAN STANDARDS FOR NURSERY STOCK".
2. CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANTS MATERIALS FOR A PERIOD OF ONE YEAR AFTER INSTALLATION IS COMPLETE AND APPROVED. AT THE END OF ONE YEAR ALL PLANT MATERIAL WHICH IS DEAD OR DYING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE WITH PLANT MATERIAL OF IDENTICAL TYPE, SIZE AND CONDITION AS ORIGINALLY SPECIFIED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND/OR LOCATION OF PLANT MATERIALS TO AVOID CONFLICTS WITH UTILITIES. COORDINATE WITH UTILITY CONTRACTOR TO VERIFY 'AS BUILT' LOCATION OF ALL UTILITIES.
4. EVERGREEN TREES SHALL HAVE A FULL, WELL-BRANCHED, CONICAL FORM TYPICAL OF THE SPECIES.



LOCATION MAP SCALE 1" = 2000'



APPROVED  
3-16-88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
DATE 12/8/88

APPROVED HOWARD COUNTY OFFICE OF PLANNING & ZONING  
DATE 12/22/88

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DATE 12/22/88

DATE 12/22/88

PLANTING SCHEDULE

BOTANICAL NAME	COMMON NAME	QUANTITY	SIZE	COMMENTS
SPYRUS CALLERYANA 'BRADFORD'	BRADFORD PEAR	18	2 1/2" CA	B+D
PINUS STROBUS	WHITE PINE	9	4 1/2" HT	B+D
EUONYMUS ALATA 'COMPACTUS'	ORANGE WINKED EUONYMUS	74	18" CA HT	CONTAINER
JUNIPERUS HORIZONTALIS 'WILTON'	BLUE PUS JUNIPER	33	18" CA HT	CONTAINER
SPYRAEA THUNDERBII	THUNDERB SPYRAEA	27	18" CA HT	CONTAINER

INDICATES MULCH

ADDRESS SHEET
SHEET NUMBER: 420
ADDRESS: 10933 BALTIMORE NATIONAL PIKE

SECTION NAME: EXXON SERVICE STATION	SECTION: 420
DATE: 576-0271	DATE: 12/22/88
DATE: 12/22/88	DATE: 12/22/88
DATE: 12/22/88	DATE: 12/22/88

OWNER / DEVELOPER  
EXXON COMPANY U.S.A.  
11350 McCORMICK ROAD  
HUNT VALLEY, MARYLAND 21031  
ATTN. ALAN FOLEY  
TEL. (301) 785-6749

PLAN REVISION  
Z PUSSELL AUG 3, 1987  
Z PUSSELL 11-20  
JOB NO 7518-53-076

LANDSCAPE PLAN  
EXXON COMPANY, U.S.A.  
10193 BALTIMORE NATIONAL PIKE & FREDERICK RD.  
2ND ELECT. DIST. - HOWARD COUNTY, MARYLAND  
DRAWING NO 2-2794  
5 5  
SDP-88-58

- REVISIONS
1. 5-4-86 REVISED EAST ENTRANCE ON U.S. RTE 40
  2. 10-1-86 REVISED CURB BETWEEN FRONT ENTRANCES
  3. 11-30-87 REVISED PLANTING PLAN
  4. 12-22-88 2,000 TREES PER COUNTY REVIEW COMMENTS
  5. 1-2-89 REVISED PER COUNTY COMMENTS DATED 10-12-88