

GENERAL NOTES

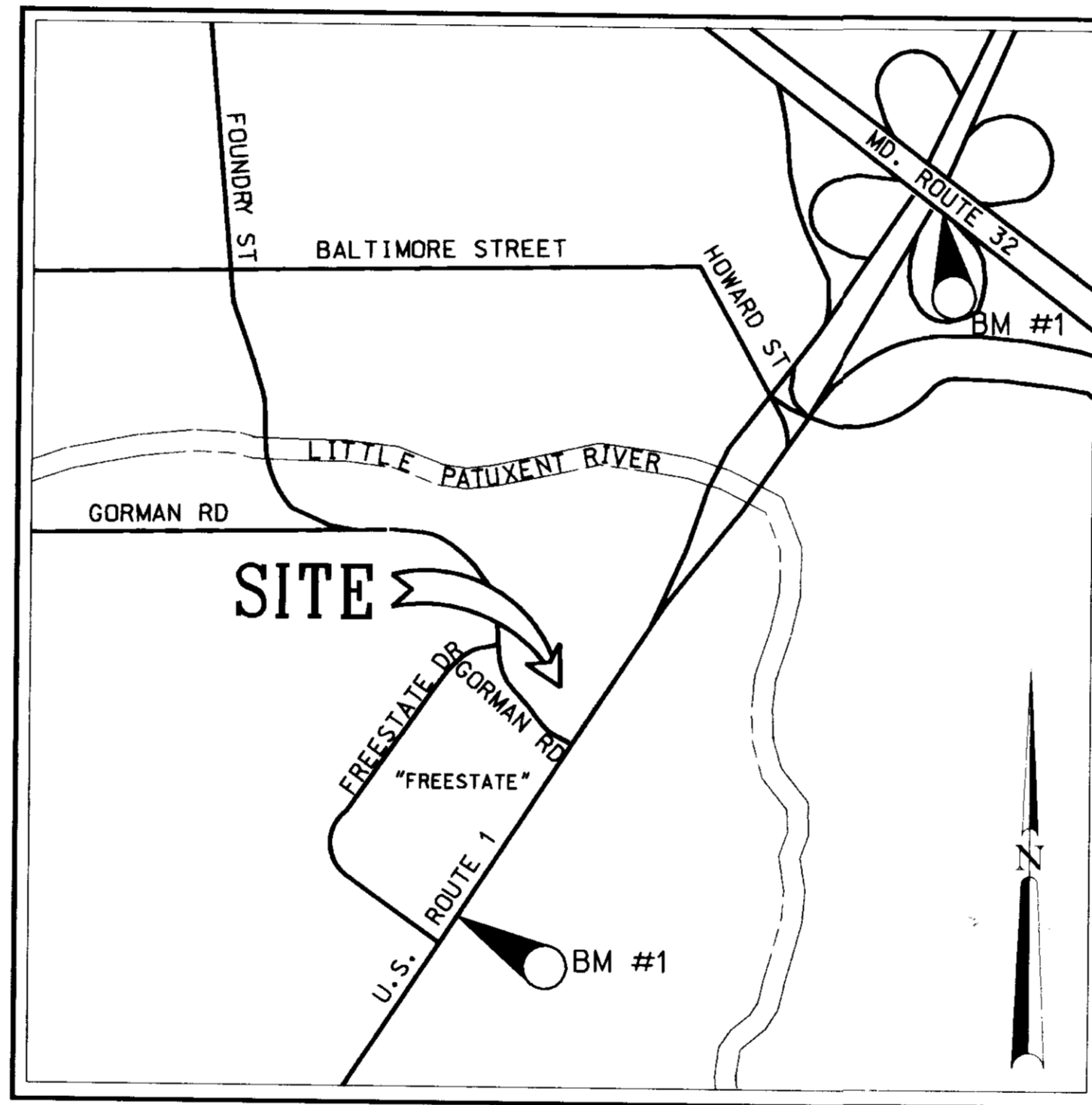
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION LATEST EDITION AND MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE LOCATION AND ELEVATIONS OF THE EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXISTENCE, LOCATION, AND DEPTH OF EXISTING UTILITIES IN THE WORK AREA AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR WILL BE RESPONSIBLE FOR NOTIFYING FREDERICK WARD ASSOC., INC. AT (410)-879-2090 IN THE EVENT OF ANY DISCREPANCIES ON THE PLAN OR IN THE RELATIONSHIP OF EXISTING GRADES WITH PROPOSED GRADES PRIOR TO BEGINNING WORK.
- THE CONTRACTOR SHALL NOTE THAT IN THE CASE OF A DISCREPANCY BETWEEN A SCALED DIMENSION AND A FIGURED DIMENSION SHOWN ON THE PLANS, THE FIGURED DIMENSION SHALL GOVERN.
- IT SHALL BE DISTINCTLY UNDERSTOOD THAT THE FAILURE TO MENTION SPECIFICALLY WORK THAT WOULD NORMALLY BE REQUIRED TO COMPLETE THE PROJECT, SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PERFORM SUCH WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST 5 WORKING DAYS PRIOR TO BEGINNING WORK:
 MISS UTILITY: 1-800-267-7717
 C&P TELEPHONE CO. 725-9976
 HOWARD COUNTY BUREAU OF UTILITIES 313-2366
 AT&T CABLE LOCATION DIVISION 393-3553
 BGE 685-0123
 NOTIFY HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION AT LEAST 48 HOURS PRIOR TO START (313-1855)
 HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION (410) 313-1880
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS, UNLESS STATED OTHERWISE.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE PURPOSE OF THIS SITE DEVELOPMENT PLAN IS TO CONSTRUCT A GASOLINE STATION, CONVENIENCE STORE, AND WENDY'S RESTAURANT.
- THE WATER QUALITY FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED.
- SECTION 404 OF THE MD DEPARTMENT OF NATURAL RESOURCES DOES NOT APPLY NOR ARE ANY WETLANDS PERMITS REQUIRED FOR THIS PROJECT.
- ALL WASTE MATERIAL WHICH HAS BEEN GENERATED AS A RESULT OF THE CONVENIENCE STORE SHALL BE EITHER STORED ON SITE AND LATER SHIPPED FOR RECYCLING OR PROPERLY DISPOSED OF AT A COUNTY APPROVED LANDFILL. NO WASTE OIL WILL BE GENERATED DUE TO THE GAS-AND-GO NATURE OF THE FACILITY.
- PUBLIC WATER AND SEWER WILL BE UTILIZED. A 4" WATER METER SHALL BE LOCATED WITHIN THE STORE AND WILL MEET ALL HOWARD COUNTY STANDARDS. ON SITE WATER AND SEWER SHALL BE PRIVATELY MAINTAINED.
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL SITE LIGHTING MUST BE DIRECTED AWAY FROM THE ADJACENT PUBLIC RIGHT OF WAY AND THE VICINAL RESIDENTIAL PROPERTIES. PROPOSED LIGHTING SHOWN ON THIS PLAN IS IN COMPLIANCE WITH THE DECISION AND ORDER FOR BA 96-54 E & V, AND WITH SECTION 134 OF THE HOWARD COUNTY ZONING REGULATIONS.
- THE BUILDING WILL BE FURNISHED WITH RESTROOMS FOR MEN AND WOMEN. THE RESTROOMS WILL BE HANDICAP-ACCESSIBLE.
- THERE ARE NO WETLANDS, STEEP SLOPES, OR 100 YEAR FLOOD PLAINS ON THIS SITE.

SITE ANALYSIS

- AREA OF PARCEL: 103,729 SQ. FT. = 2.381 AC. ±
- ZONING: M-1 (LIGHT MANUFACTURING)
 ZONING INFORMATION: SEE UPPER RIGHT CORNER THIS SHEET
- EXISTING USE: VACANT LOT
 PROPOSED USE: GASOLINE SERVICE STATION WITH CONVENIENCE STORE AND WENDY'S RESTAURANT
- BUILDING FLOOR AREA AND HEIGHT:
 CONVENIENCE STORE = 2,995.10 SQ. FT.
 FAST FOOD RESTAURANT = 3,572.37 SQ. FT.
 SHARED SPACE = 883.53 SQ. FT.
 TOTAL AREA = 7,451.0 SQ. FT.
 HEIGHT = 13.00 FT.
- MAXIMUM NUMBER OF EMPLOYEES: EIGHTEEN (18)
- PARKING:
 A. REQUIRED:
 FAST FOOD RESTAURANT (INCLUDING 883.53 SQ. FT. OF SPACE SHARED WITH CONVENIENCE STORE: MAIN ENTRANCE, RESTROOMS, HALLOWAY, UTILITY ROOM)
 4,455.90 X 14 SPACES PER 1,000 SQ. FT. = 63 SPACES
 CONVENIENCE STORE
 2,995.10 X 2 SPACES PER 1,000 SQ. FT. = 6 SPACES
 GAS STATION = 3 SPACES
 TOTAL REQUIRED = 72 SPACES
 B. PROVIDED:
 75 SPACES (INCLUDING 3 HANDICAP SPACES)
 C. UNLESS NOTED OTHERWISE, ALL PARKING SPACES ARE 9' X 19'. HANDICAP SPACES ARE 8' X 20', WITH 8' X 20' STRIPED SPACE TO BE SHARED BY TWO HANDICAP SPACES. STACKING SPACES FOR DRIVE-THRU ARE 9' X 22'. NON-HANDICAP SPACES ON SIDE OF RESTAURANT/CONVENIENCE STORE ARE 8' X 20'. THERE IS ONE STACKING SPACE FOR EACH FUEL SERVING SPACE, FOR A TOTAL OF 10 STACKING SPACES.
- OPEN SPACE (LANDSCAPING)
 a. REQUIRED: 20% FOR ENTIRE SITE = 20,746 SQ. FT. = 0.479 AC. ±
 b. PROVIDED: 35.51% FOR ENTIRE SITE = 36,830 SQ. FT. = 0.845 AC. ±
- BUILDING COVERAGE:
 a. CONVENIENCE STORE AND WENDY'S: 7,451 SQ. FT.
 b. CANOPY: 3,276 SQ. FT.
 TOTAL BUILDING COVERAGE: 10,727 SQ. FT. (10.34%)



ROUTE 1 & GORMAN ROAD
 LAUREL, MARYLAND 20723
 RAS# 2-0340



LOCATION MAP

SCALE: 1"=1000'

HOWARD COUNTY ADC MAP
 PAGE NUMBER 20
 GRID C8

BENCHMARK INFORMATION

- BM #1: STANDARD HO. CO. ALUMINUM DISC ON CONCRETE MONUMENT, FLUSH WITH GROUND. ELEV.: 189.731
 HO. CO. 471°C
 N: 471307
 F: 850395
- BM #2: STANDARD DISC CONCRETE MONUMENT. ELEV.: 255.157
 HO. CO. 471-5
 N: 475236
 F: 853235

SHEET INDEX

SHEET NUMBER	DRAWING TITLE
1	COVER SHEET
2	EXISTING CONDITIONS AND DEMOLITION PLAN
3	SITE LAYOUT PLAN
4	SITE GRADING PLAN
5	SITE UTILITY AND PIPING PLAN
6	SEDIMENT & EROSION CONTROL PLAN
7	SEDIMENT AND EROSION CONTROL NOTES & DETAILS
8	STORM DRAIN PROFILES & DETAILS
9	STORMCEPTOR NOTES AND DETAILS
10	BUILDING AND SIGNAGE PLAN
11	SITE DETAILS
12	LANDSCAPE PLAN
13	DRAINAGE AREA MAPS, S.C.D. INFORMATION SHEET

ZONING INFORMATION

BA CASE 96-54 E&V: SPECIAL EXCEPTION REQUEST FOR GASOLINE SERVICE STATION AND A FAST FOOD RESTAURANT. VARIANCES TO REDUCE THE REQUIRED 30 FOOT PARKING SETBACK TO 25 FEET FROM THE RIGHT-OF-WAY OF GORMAN ROAD FOR A TRAFFIC CIRCULATION AREA AND TO 20 FEET FROM THE U.S. 1 RIGHT OF WAY FOR 11 PARKING SPACES AND A VARIANCE TO REDUCE THE REQUIRED 50 FOOT USE SETBACK FROM THE RIGHT-OF-WAY OF GORMAN ROAD TO 40 FEET FOR PUMP ISLAND STACKING SPACES. SPECIAL EXCEPTION AND VARIANCES APPROVED ON JAN. 29, 1997.

DEVELOPMENT PLAN/PLATS

- PLAT NO. 10569 TITLED "REESTATE PARCELS A, B, C & D, LOTS 1 AND 2, AND OUTLOT 3", RECORDED 10-29-92.
- ROAD CONSTRUCTION, STORM DRAIN, AND STORMWATER MANAGEMENT PLAN F-92-74 TITLED "REESTATE ROAD CONSTRUCTION PLANS", PREPARED BY CLARK, FINEFROCK AND SACKETT, APPROVED ON 6-20-92.
- WATER AND SEWER PLAN, HO. CO. CONTRACT NO. 24-3172-D TITLED "REESTATE PARCELS A, B, C & D, LOTS 1 AND 2 AND OUTLOT 3", PREPARED BY CLARK, FINEFROCK AND SACKETT, APPROVED ON 5-19-92.

DATE	NUMBER	REVISION DESCRIPTION
		APPROVED: DEPARTMENT OF PLANNING AND ZONING
10/1/97		DATE: 10/1/97
10/28/97		DATE: 10/28/97
10/28/97		DATE: 10/28/97
10/15/97		DATE: 10/15/97
0/22/97		DATE: 0/22/97
9/3/97		DATE: 9/3/97

BY THE ENGINEER: *Timothy F. Whittle* 0/22/97

BY THE DEVELOPER: *Ed. [Signature]* 9/3/97

REVIEWED FOR HOWARD S.C.D. & MEETS TECHNICAL REQUIREMENTS.

U.S. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

HOWARD S.C.D. DATE

OWNER: FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 461 5th AVE.
 23rd FLOOR
 NEW YORK, NEW YORK 10017
 ATTN: MR. PAUL GOTTFWALD
 PHONE: (212) 779-0408

DEVELOPER/APPLICANT: **EXXON CORPORATION**
 6301 IVY LANE
 SUITE 700
 GREENBELT, MARYLAND 20770
 ATTN: MR. ROBERT CASERTA
 PHONE: (301)-513-7511

FREDERICK WARD ASSOCIATES INC.
 ENGINEERS ARCHITECTS SURVEYORS
 5 SOUTH MAIN STREET BEL AIR, MARYLAND 21034 (410)879-2090
 RAS # 2 0340
 FWA JOB NUMBER 96053.01 FWA DRAWING FILE NAME 0011L00N

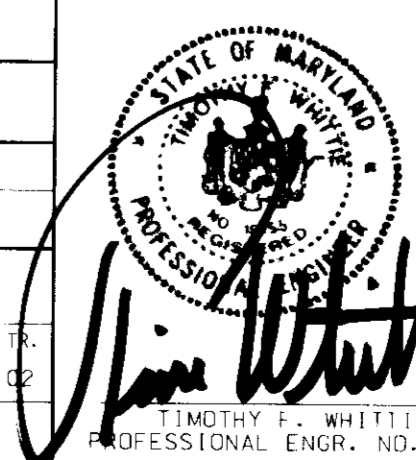
CENSUS TRACT NO. 6069.02 WATER CODE: C04
 SEWER CODE: 5090000

TAX MAP 47 PARCEL 142/D
 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE: COVER SHEET FOR AN EXXON STATION AT ROUTE 1 & GORMAN RD EXXON LOT D, GRID 17

DESIGN BY: JBG SCALE: N.T.S. PROJECT NO.: 9397.01
 DRAWN BY: LCF DATE: 06/16/97 DRAWING NUMBER
 CHECKED BY: TFW APPROVED: 1 OF 13

0/22/97



ADDRESS CHART

PARCEL NO.	STREET ADDRESS
142/D	8850 GORMAN ROAD

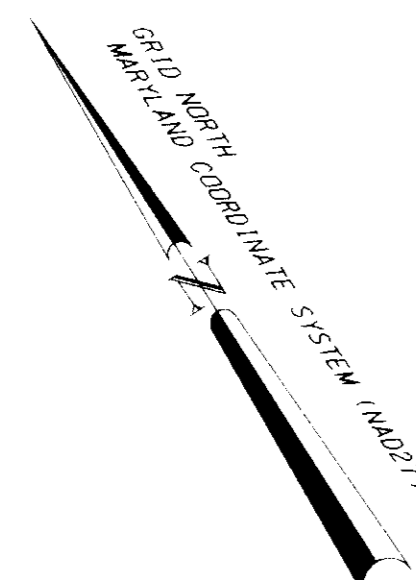
SUBDIVISION NAME	SECT./AREA/GRID	LOT/PARCEL NO.
FREESTATE	17	D

PLAT NO.	BLOCK NO.	ZONE	TAX/ZONE	ELECT. DIST.	CENSUS TR.
10569	17	M-1	47	6th	6069.02

WATER CODE	SEWER CODE
C04	5090000

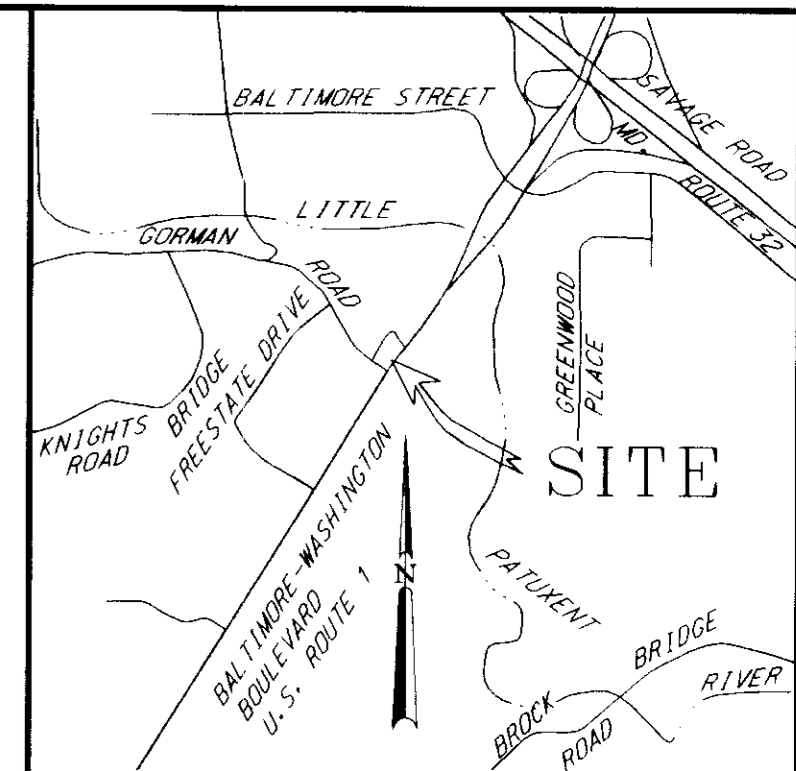
PROJECT IS 96053 UNDER CONTROL NO. 06-97

SDP 97-121



LEGEND

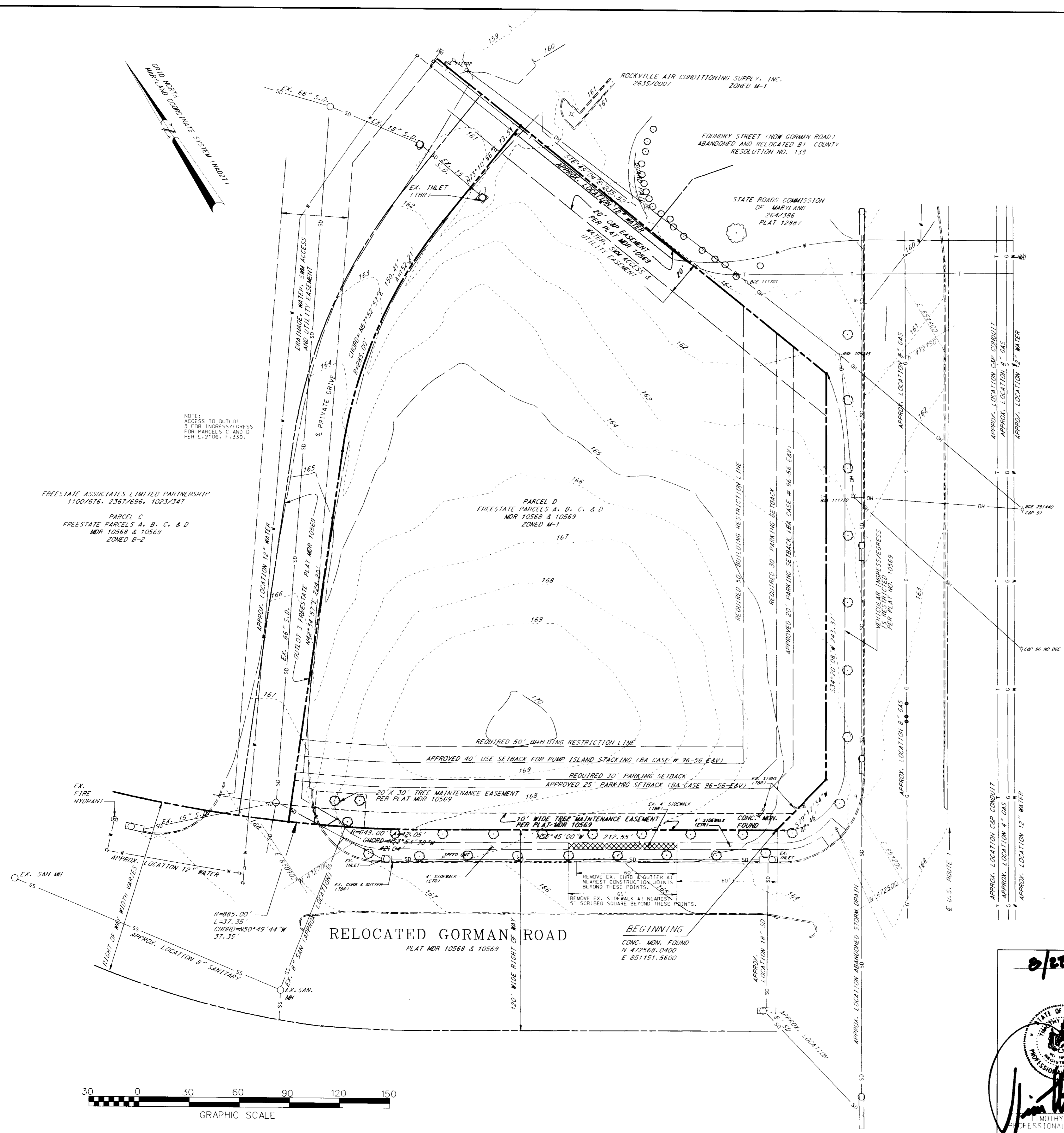
- ↓ GUY WIRE
- SIGN
- POWER POLE
- LIGHT POLE
- ⊗ FIRE HYDRANT
- MONITOR WELL
- ⊕ WATER VALVE
- △ TRAVERSE POINT
- TC TRAFFIC CONTROL DEVICE
- SANITARY CLEAN OUT
- WELL
- MAILBOX
- DECIDUOUS TREE
- ⊗ EVERGREEN TREE
- 30' B.R.L. BUILDING RESTRICTION LINE
- TOP OF CURB ELEVATION
- FLOW LINE ELEVATION
- EX. TREE TO BE RELOCATED. SEE LANDSCAPE PLAN FOR RELOCATION.
- (ETR) EXISTING TO REMAIN
- (TBR) TO BE REMOVED
- - - EX. CONTOUR



VICINITY MAP
1"=200'

DEMOLITION NOTES

1. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE SITE AND VERIFY EXISTING SITE CONDITIONS TO HIS SATISFACTION.
2. CONTRACTOR TO MEET WITH EXXON FIELD ENGINEER ON JOB SITE TO IDENTIFY EQUIPMENT, SIGNS, AND ITEMS TO BE REMOVED OR REINSTATED PRIOR TO THE START OF DEMOLITION.
3. CONTRACTOR SHALL TRANSPORT EQUIPMENT, AS DESIGNATED BY EXXON FIELD ENGINEER, TO A LOCAL EXXON INVENTORY STORAGE AREA.
4. CONTRACTOR MUST ADHERE TO ALL SAFETY REGULATIONS GIVEN BY O.S.H.A., EXXON, AND HOWARD COUNTY.
5. REFER TO DRAWING SHEET 6 AND 7 FOR SEDIMENT CONTROL DEVICES REQUIRED TO BE IN PLACE PRIOR TO DEMOLITION WORK.
6. ALL DEMOLISHED MATERIAL TO BE REMOVED TO AN APPROVED LOCATION.
7. ALL UTILITIES AND STRUCTURES WITHIN PUBLIC RIGHTS OF WAY SHALL REMAIN UNLESS OTHERWISE NOTED.
8. ANY UTILITIES AND SITE AMENITIES DAMAGED DURING DEMOLITION AND CONSTRUCTION SHALL BE REPAIRED AND/OR REPLACED IN KIND BY THE CONTRACTOR AT HIS OWN EXPENSE. UTILITY REMOVAL AND/OR RELOCATION SHALL BE IN ACCORDANCE WITH REQUIREMENTS FROM THE RELEVANT UTILITY COMPANY.
9. REFER TO DRAWING SHEET 6 FOR GENERAL NOTES PERTAINING TO UTILITIES.
10. TREES AND SHRUBS TO BE RELOCATED SHALL BE REPLANTED (OR REPLACED IN KIND) AS INDICATED ON DRAWING SHEET 12, THE LANDSCAPE PLAN.
11. ROAD AND STORM DRAIN CONSTRUCTION WAS PERFORMED UNDER PLANS TITLED "ROAD CONSTRUCTION PLANS 'FREESTATE'", HOWARD COUNTY PLAN F-92-74, PREPARED BY CLARK, FINEROCK AND SACKETT, INC., AND APPROVED ON 6-20-92.
12. WATER AND SEWER CONSTRUCTION WAS PERFORMED UNDER PLANS TITLED "FREESTATE PARCELS A, B, C, AND D LOTS 1 AND 2 AND OUTLOT 3", HOWARD COUNTY CONTRACT NO. 24-3172-D, PREPARED BY CLARK, FINEROCK AND SACKETT, INC., AND APPROVED ON 5-19-92.



BALTIMORE-WASHINGTON BOULEVARD

U.S. ROUTE 1
ULTIMATE 150' RIGHT OF WAY

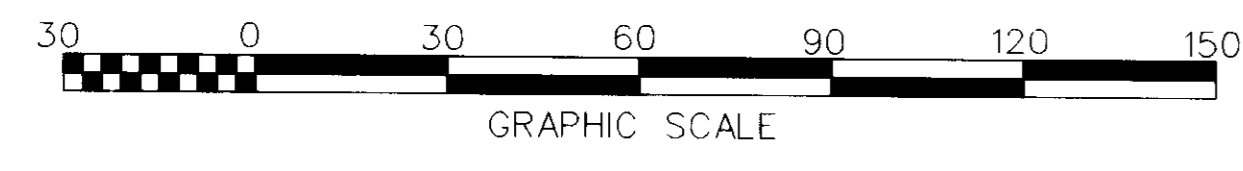
SDP# 97-121

FREESTATE ASSOCIATES LIMITED PARTNERSHIP
1100/676, 2367/696, 1023/347
PARCEL C
FREESTATE PARCELS A, B, C, & D
MDR 10568 & 10569
ZONED B-2

PARCEL D
FREESTATE PARCELS A, B, C, & D
MDR 10568 & 10569
ZONED M-1

RELOCATED GORMAN ROAD
PLAT MDR 10568 & 10569

BEGINNING
CONC. MDN. FOUND
N 472568.0400
E 851151.5600



0/2/97

Timothy F. Whittle
PROFESSIONAL ENGR. NO. 19155

DATE	NUMBER	REVISION DESCRIPTION
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
		10/1/97
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.		
OWNER		DATE
FREESTATE ASSOCIATES LIMITED PARTNERSHIP 461 5th AVE. 23rd FLOOR NEW YORK, NEW YORK 10017 ATTN.: MR. PAUL GOTTWALD PHONE: (212) 779-0408		10/25/97
DEVELOPER/APPLICANT		DATE
EXXON CORPORATION 6301 JVV LANE SUITE 700 GREENBELT, MARYLAND 20770 ATTN: MR. ROBERT CASERTA PHONE: (301)-513-7511		1/20/97
FREDERICK WARD ASSOCIATES INC. ENGINEERS ARCHITECTS SURVEYORS 5 SOUTH MAIN STREET BEL AIR, MARYLAND 21014 (410)879-2090 RAS # 2-0340 FWA JOB NUMBER 96053.01 FWA DRAWING FILE NAME CDEVST2.DGN		10/15/97
CENSUS TRACT NO. 6049.02		WATER CODE: C04 SEWER CODE: 5090000
TAX MAP 47 PARCEL 1427D 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE ROUTE 1 & GORMAN RD LOT D, GRID 17 EXISTING CONDITIONS & DEMOLITION PLAN		
DESIGN BY: JBG	SCALE: 1" = 30'	PROJECT NO.:
DRAWN BY: LCF	DATE: 06/16, 1997	DRAWING NUMBER
CHECKED BY: TFW	APPROVED:	02 OF 13

PROJECTS:\96053\ENGR\DEVS\2.DGN, 06/97

SDP97-121

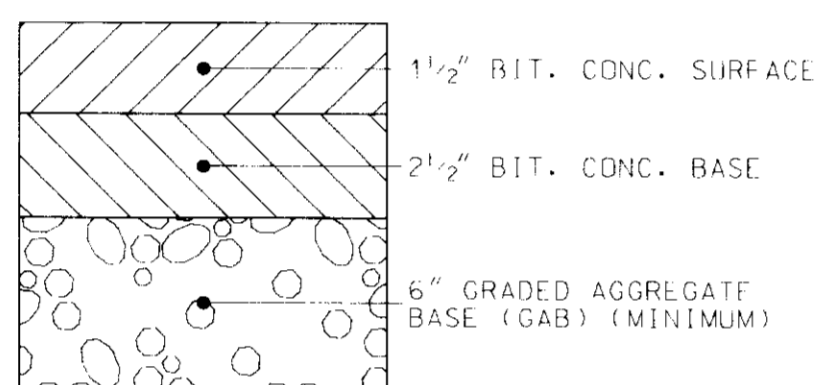


COLORS:
 LEGEND AND BORDER - GREEN
 WHITE SYMBOL ON BLUE BACKGROUND
 BACKGROUND - WHITE

NOTE:
 1.) ONE SIGN TO BE APPLIED TO METAL SIGN BOARD MOUNTED TO METAL POST.
 2.) FREE STANDING SIGN 7' 0" ABOVE FINISHED GRADE.
 3.) MOUNTED ON WALL OR STRUCTURE 6' 0" ABOVE GRADE.

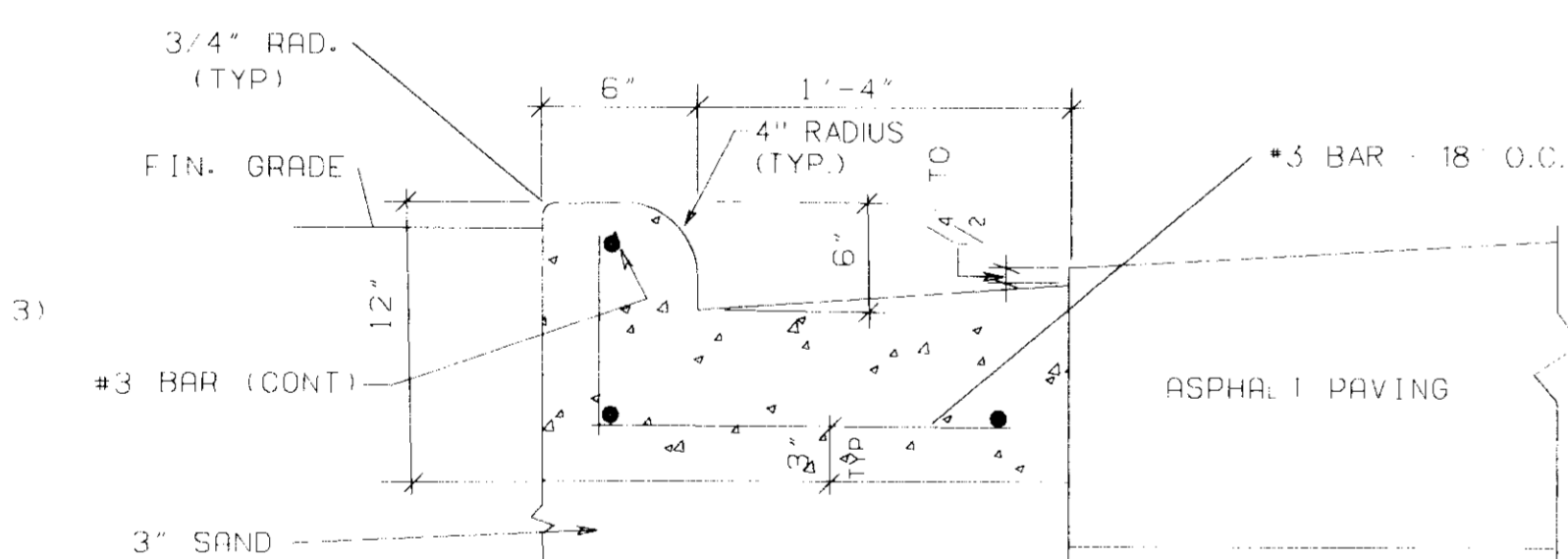
HANDICAP SIGN DETAILS

NOT TO SCALE



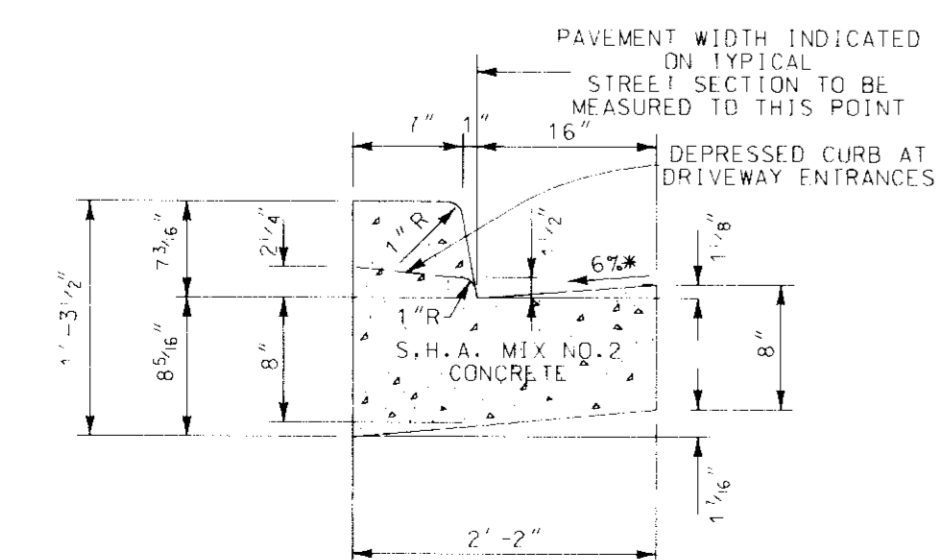
ON-SITE PAVING SECTION

HOWARD COUNTY STD. DETAIL R-2.01
 SECTION NUMBER P-2
 NOT TO SCALE



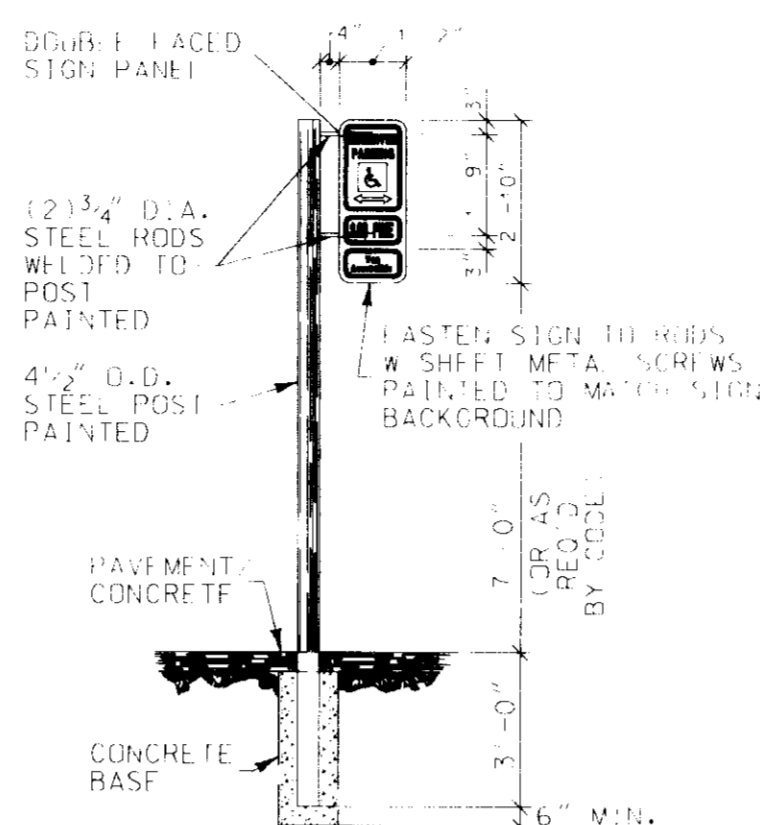
ON-SITE CURB AND GUTTER

NOT TO SCALE

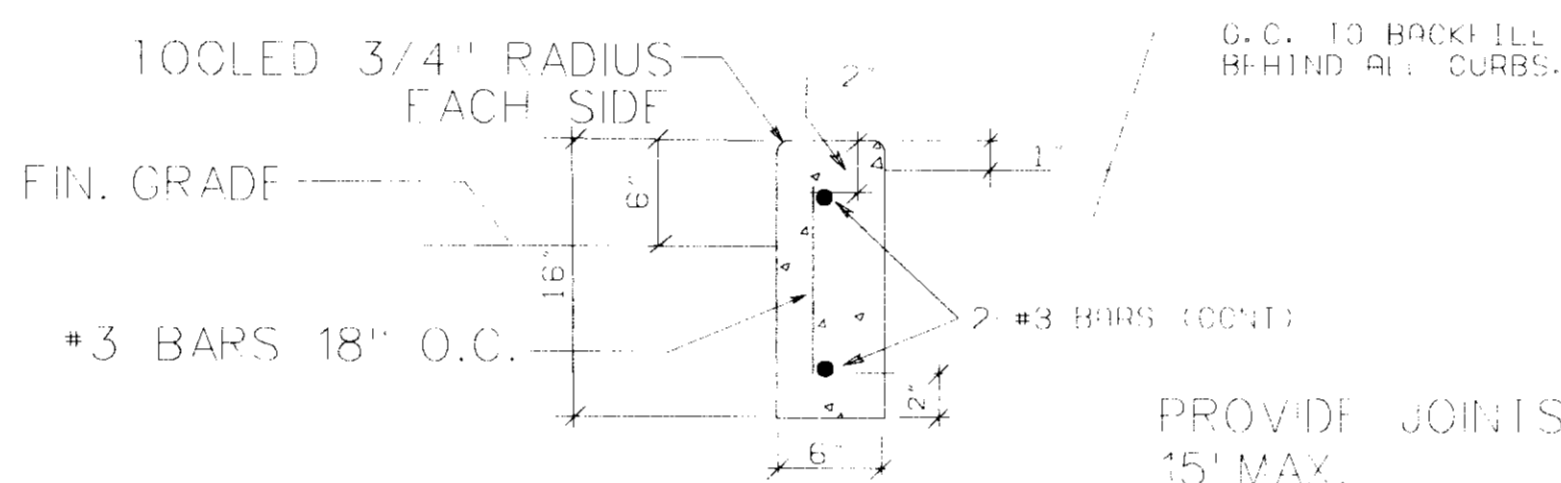


STANDARD 7" COMBINATION CURB AND GUTTER

HOWARD COUNTY STD. DETAIL R-3.01
 NOT TO SCALE

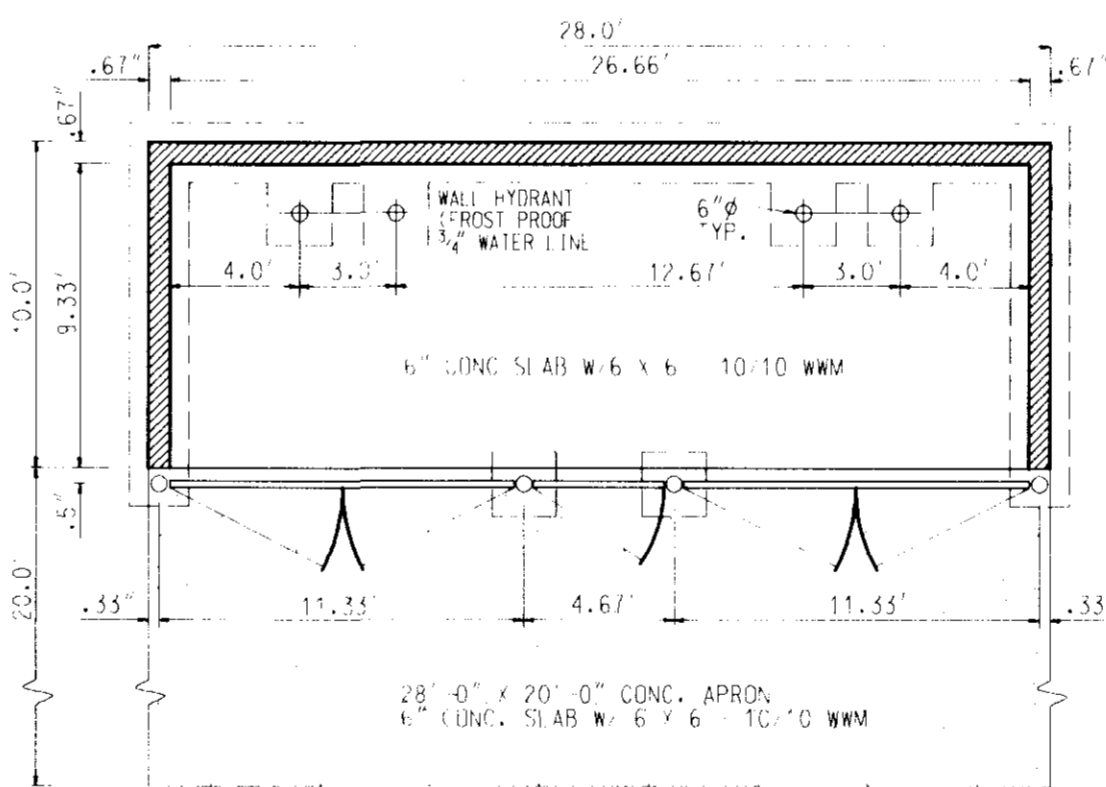


NOTE:
 APPLY HANDICAP SIGNS TO SIGN PANELS.
 1" SPACE BETWEEN SIGNS WITH A 1" MARGIN AROUND SIGN PANEL.
 SIGNS MAY BE FASTENED TO WALL OF BUILDING.



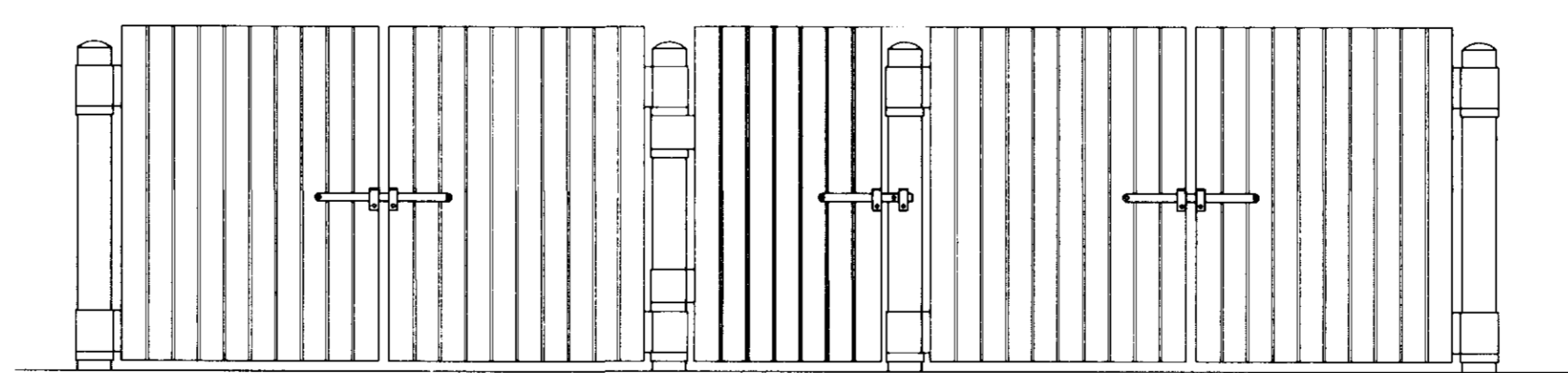
6"X16" CONCRETE CURB

NOT TO SCALE



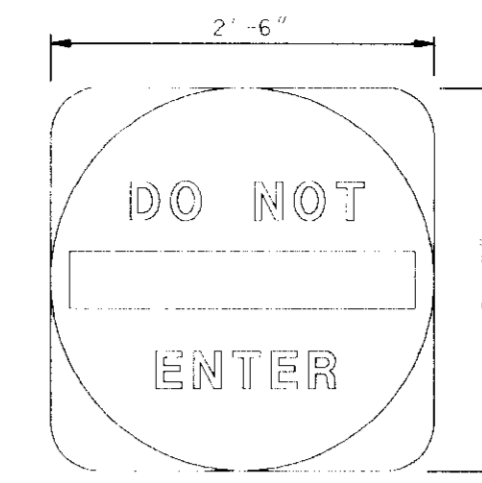
TRASH ENCLOSURE PLAN

NOT TO SCALE



TRASH ENCLOSURE ELEVATION

NOT TO SCALE



NOTE: MOUNT SIGN ON STEEL POST TO SAME HEIGHT AS HANDICAP SIGN.

DO NOT ENTER SIGN

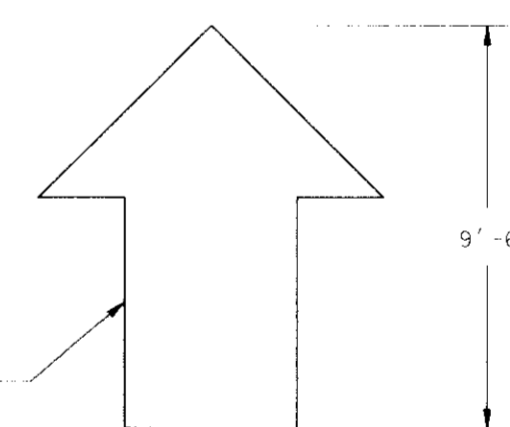
NOT TO SCALE



SIGN TO BE MOUNTED ON 4" X 4" #2 GRADE PRESSURE-TREATED LUMBER

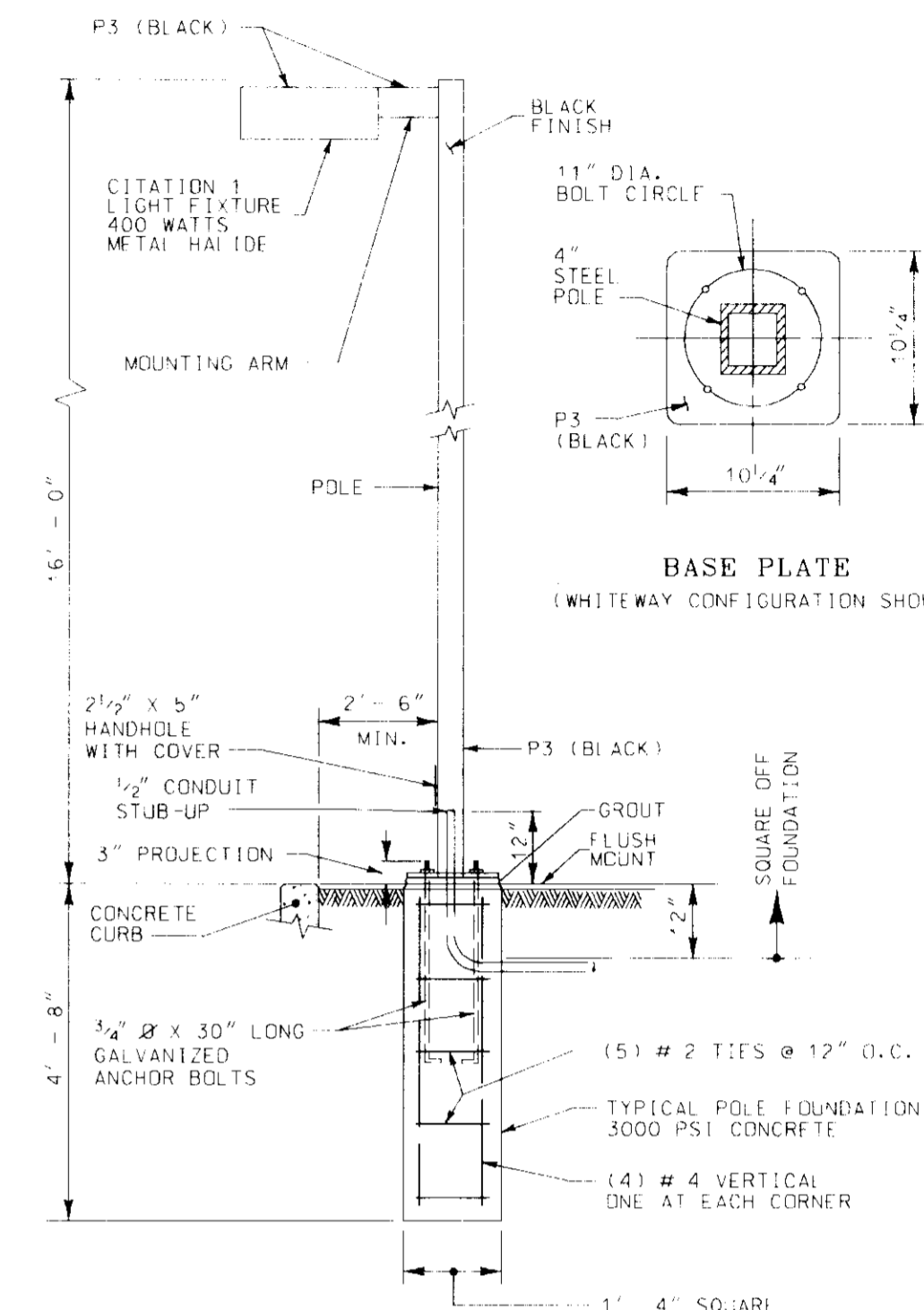
STOP SIGN AT DRIVE THRU EXIT

NOT TO SCALE



DRIVE THRU DIRECTIONAL ARROW

NOT TO SCALE



TYPICAL YARD LIGHT DETAIL

NOT TO SCALE

SDP # 97-121

PRINTING BOARD APPROVE

DATE	NUMBER	REVISION DESCRIPTION
10/1/97		DATE
11/28/97		DATE
10/28/97		DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF DEVELOPMENT ENGINEERING DIVISION
 CHIEF DIVISION OF LAND DEVELOPMENT
 DIRECTOR FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT

OWNER: FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 461 5TH AVE.
 23rd FLOOR
 NEW YORK, NEW YORK 10017
 ATTN: MR. PAUL GOITWALD
 PHONE: (212) 779-0408

DEVELOPER/APPLICANT: EXON CORPORATION
 6301 IVY LANE
 SUITE 700
 GREENBELT, MARYLAND 20770
 ATTN: MR. ROBERT CASERIA
 PHONE: (301) 515-7511

FREDERICK WARD ASSOCIATES INC.
 ENGINEERS ARCHITECTS SURVEYORS
 5 SOUTH MAIN STREET
 REL. AR. MARYLAND 21048 (410) 79-2090
 FWA JOB NUMBER 96053.01 FWA DRAWING FILE NAME: CSD101.DGN

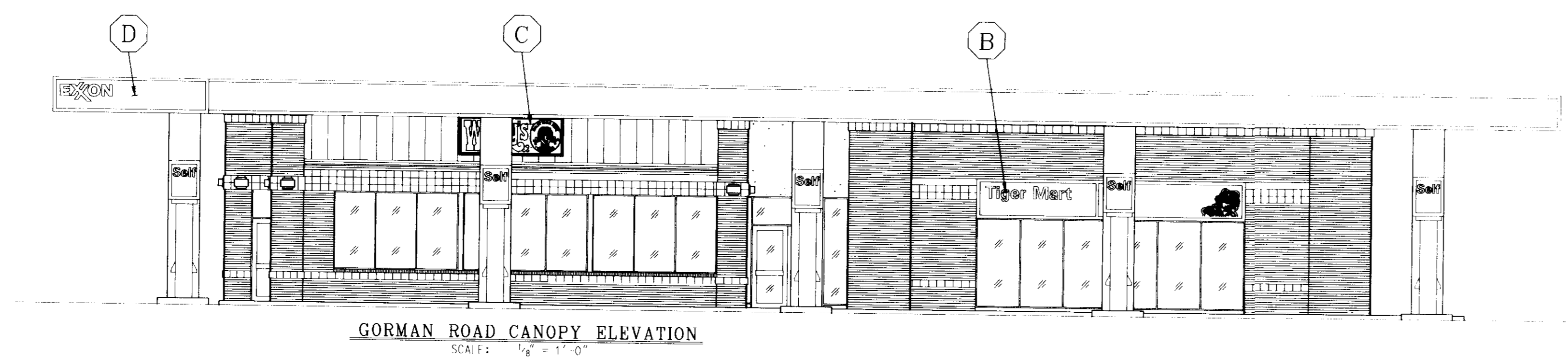
CENSUS TRACT NO.: 6069-02 WATER CODE: C04
 SEWER CODE: 5090000

TAX MAP 47 PARCEL 142.D
 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 TITLE: FOR AN EXON STATION AT
 ROUTE 1 & GORMAN RD
 PARCEL D

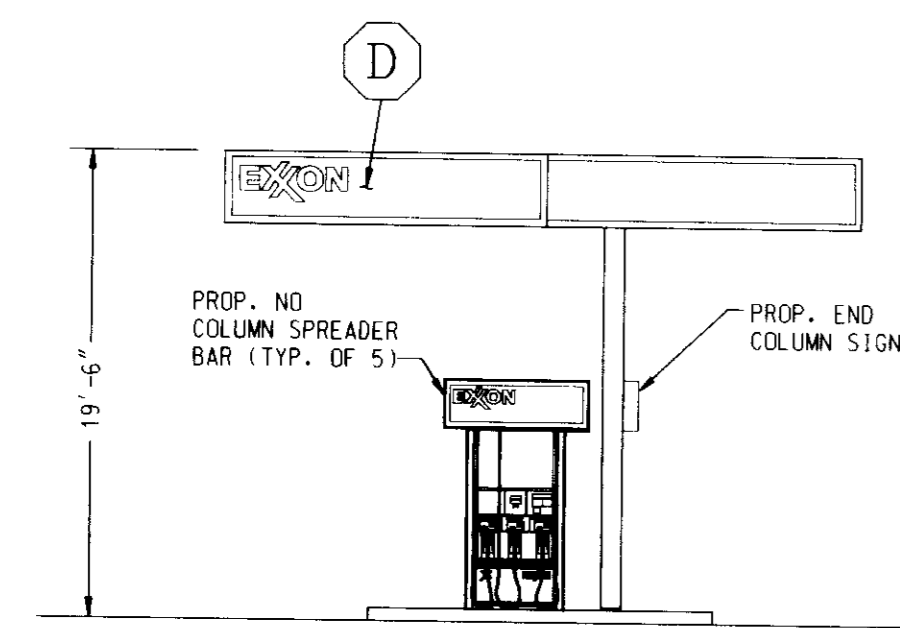
SITE DETAILS

DESIGN BY: JBC SCALE: AS SHOWN PROJECT NO.: 96053
 DRAWN BY: KN/ET DATE: 06/16/97 DRAWING NUMBER
 CHECKED BY: TFW APPROVED: 11 OF 13

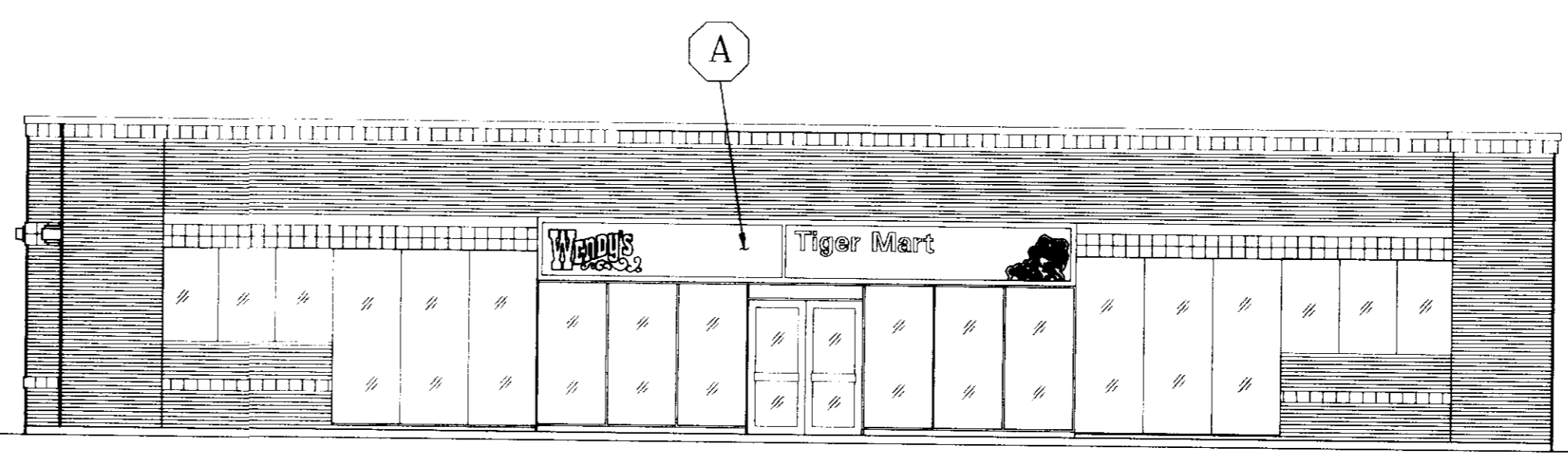
PROJECTS\96053\ENERV\CDSD101.DGN 06/97



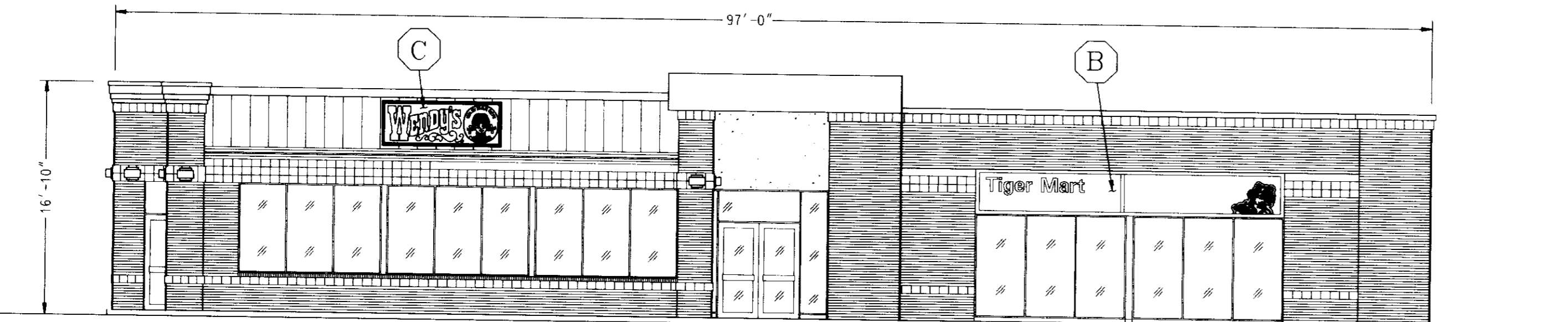
GORMAN ROAD CANOPY ELEVATION
SCALE: 1/8" = 1'-0"



PROP. NO. 1 COLUMN SPREADER BAR (TYP. OF 5)
PROP. END COLUMN SIGN



ROUTE 1 CANOPY ELEVATION
SCALE: 1/8" = 1'-0"

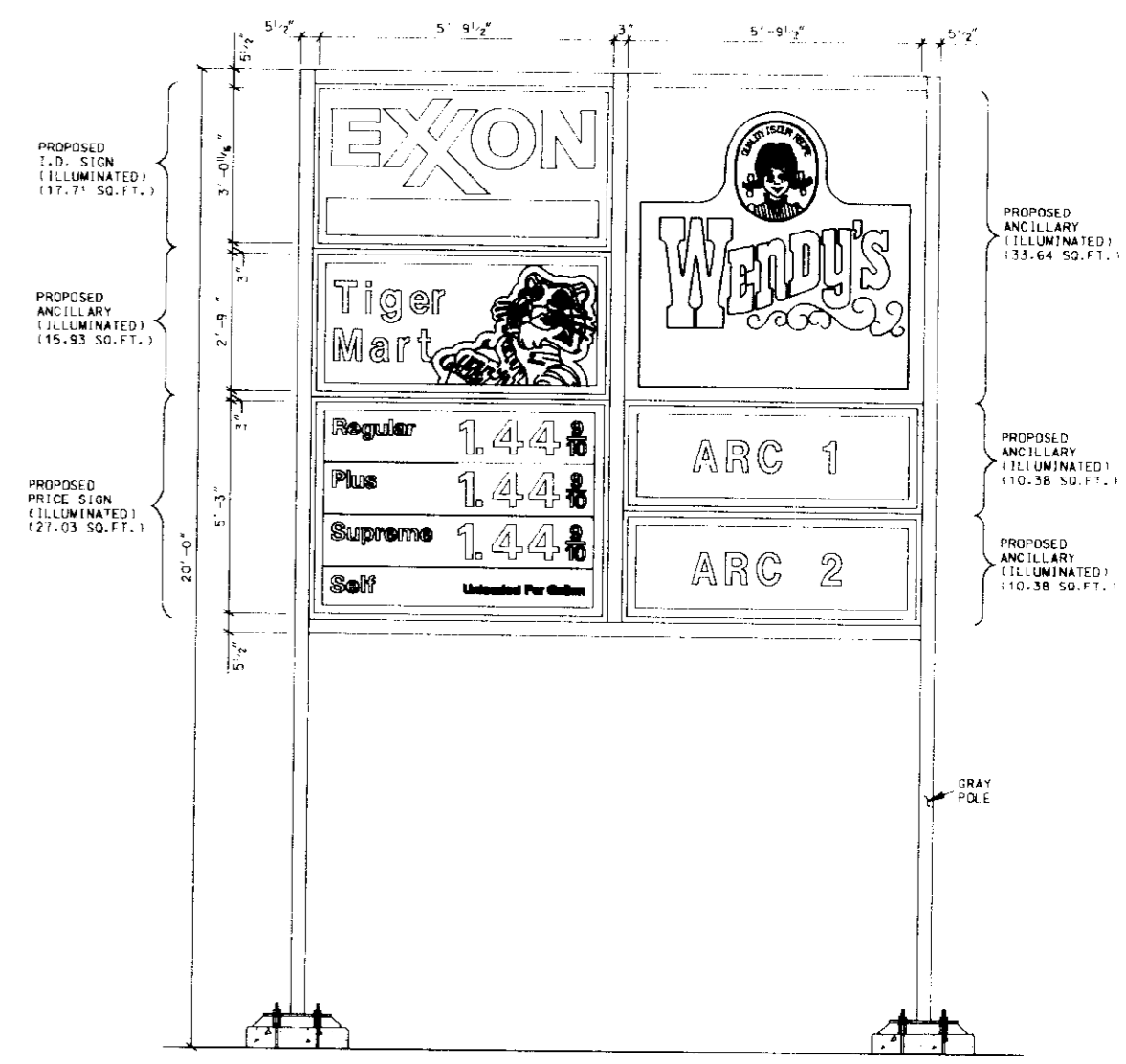


GORMAN ROAD - ELEVATION
SCALE: 1/8" = 1'-0"

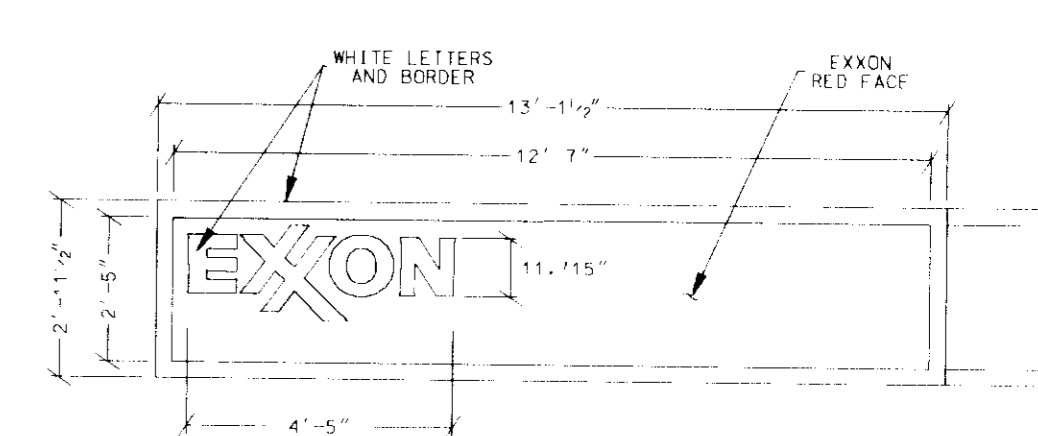
SIGNAGE CALCULATIONS

- I. Total Allowable Site Signage
- The total allowable square footage for the sum of all site signage is two times the linear footage of building frontage. For a building with multiple frontage, an additional sign area of one square foot for each additional linear footage of building frontage shall be allowed.
- Gorman Road: (2 sf/lf) (97'-0") = 194.00 s.f.
 Route 1: (1 sf/lf) (78'-8") = 78.67 s.f.
 Private Road: (1 sf/lf) (78'-8") = 78.67 s.f.
Total Allowable Square Footage: 351.34 s.f.
- II. Total Proposed Site Signage
- A. Proposed Building and Canopy Signage:
- (1) Gorman Road Frontage (ALLOWABLE: (2 SF/LF)(97'-0") = 194.00 SF)
- "Wendy's" Sign and Cameo = 34.12 s.f.
 "Wendy's" Sign and C-Store Sign = 70.69 s.f.
 "Exxon" Canopy Fascia Sign = 30.41 s.f.
 Total Signage - Gorman Rd. = 135.22 s.f.
- (2) Route 1 Frontage (ALLOWABLE: (2 SF/LF)(78'-8") = 157.34 SF)
- "Wendy's" Sign and C-Store Sign = 85.31 s.f.
 "Exxon" Canopy Fascia Sign = 30.41 s.f.
 Proposed Freestanding Signage:
- (a) Exxon I.D. Sign:
- "Exxon" I.D. Sign = 17.71 s.f.
 "Tiger Mart" & Logo = 15.93 s.f.
 Price (32 s.f. allowed for Price Sign) = 27.03 s.f.
 Total Exxon Sign = 33.64 s.f.
- (b) Wendy's I.D. Sign:
- "Wendy's" = 33.64 s.f.
 "ARC 1" = 10.38 s.f.
 "ARC 2" = 10.38 s.f.
 Total Wendy's Sign = 54.40 s.f.
- (c) Totals for Freestanding Sign: 88.04 s.f.
- Total Signage - Route 1 = 203.76 s.f.
- B. Total Proposed Site Signage = **538.98 s.f.**

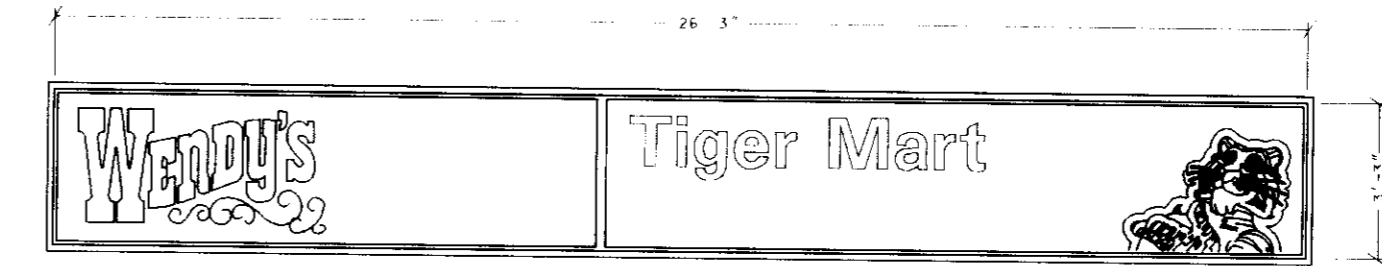
- III. Freestanding Sign Setbacks
- A. The height of the freestanding sign may not exceed one foot for each two feet the sign is set back from the right-of-way, and shall not exceed 26 feet in height.
- (1) Proposed setback off Route 1: 40'
 (2) Proposed setback off Gorman Road: 51'
 (3) Maximum allowable height: (1 ft.) (40 ft./2 ft.) = 20'
 (4) Proposed height of freestanding sign: 20'
- B. The allowable area for a freestanding sign shall be one square foot for each one foot the sign is set back from the road right-of-way.
- (1) Proposed setback off Route 1: 40'
 (2) Proposed setback off Gorman Road: 51'
 (3) Allowable square footage: (1 sf) (40 ft./1 ft) = 40 s.f.
 (4) Proposed square footage: 88.04 s.f.



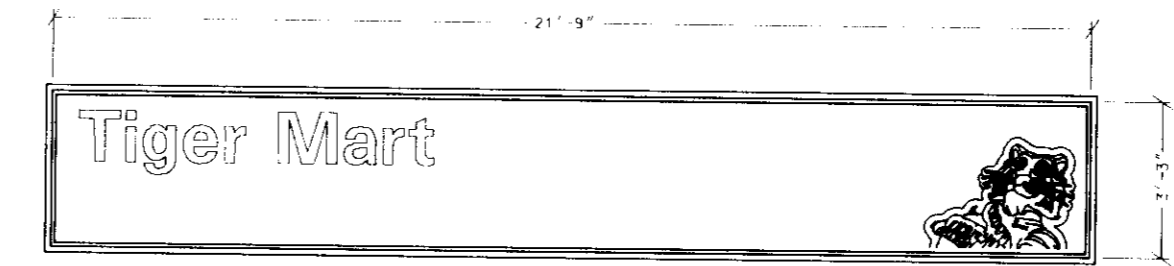
PROPOSED MAJOR I.D. SIGN
INTERNALLY ILLUMINATED, DOUBLE FACE
SCALE: NONE



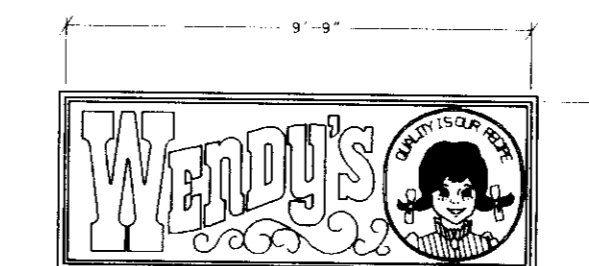
D PROPOSED CANOPY FASCIA SIGN - 30.41 SQ.FT.
TWO (2) SINGLE SIDED SIGNS = 60.82 SQ.FT.
DIRECTLY ILLUMINATED SINGLE FACE
SCALE: N.T.S.



A PROPOSED BUILDING SIGN - ROUTE 1 - 85.31 SQ.FT.
INTERNALLY ILLUMINATED, SINGLE FACE
SCALE: NOT TO SCALE



B PROPOSED BUILDING SIGN - GORMAN ROAD - 70.69 SQ.FT.
INTERNALLY ILLUMINATED, SINGLE FACE
SCALE: NOT TO SCALE



C PROPOSED BUILDING SIGN - GORMAN ROAD - 34.12 SQ.FT.
INTERNALLY ILLUMINATED, SINGLE FACE
SCALE: NOT TO SCALE

DATE:	NUMBER:	REVISION DESCRIPTION:
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
<i>Abdul Danuwan</i>		10/1/97
CHIEF DEVELOPMENT ENGINEERING DIVISION		DATE
<i>Candy Hammit</i>		10/25/97
CHIEF DIVISION OF LAND DEVELOPMENT		DATE
<i>Frank J. Langley</i>		10/24/97
DIRECTOR		DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.		
<i>Joyce M. Boyd</i>		10/15/97
COUNTY HEALTH OFFICER		DATE
OWNER:	FREESTAL ASSOCIATES LIMITED PARTNERSHIP 461 5th AVE. 23rd FLOOR NEW YORK, NEW YORK 10017 ATTN.: MR. PAUL GOTTWALD PHONE: (212) 779-0408	
DEVELOPER/ APPLICANT:	EXXON CORPORATION 6301 IVY LANE SUITE 700 GREENBELT, MARYLAND 20770 ATTN: MR. ROBERT CASERTA PHONE: (301)-513-7511	
ENGINEERS ARCHITECTS SURVEYORS:	FREDERICK WARD ASSOCIATES INC. 5 SOUTH MAN STREET BEL AIR, MARYLAND 21014 (410) 879-2590 FAX: 2-0240 PWA JOB NUMBER: 980501 PWA DRAWING FILE NAME: EXXON.DWG CENSUS TRACT NO. 6069-02 WATER CODE: C04 SEWER CODE: 3090000	
TAX MAP 47 PARCEL 142-D 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SECTION ARFA TAX MAP PARCEL C 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND	
TITLE FOR AN EXXON STATION AT ROUTE 1 & GORMAN RD LOT D, GRID 17 BUILDING & SIGNAGE PLAN		
DESIGN BY: JBC	SCALE: NONE	PROJECT NO.:
DRAWN BY: LCF	DATE: 06-16-1997	DRAWING NUMBER
CHECKED BY: THW	APPROVED:	10 OF 13

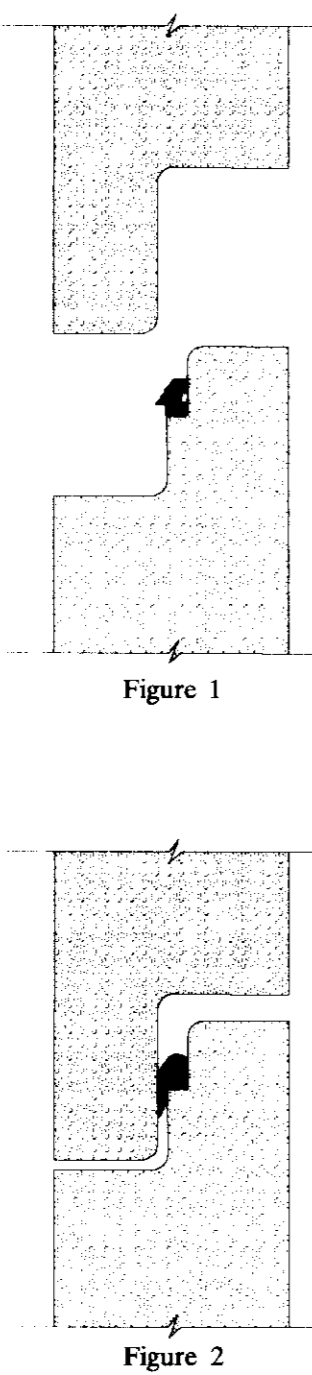
SDP# 97-121
 8/24/97
 THW
 STATE OF MARYLAND
 PROFESSIONAL ENGINEER
 THOMAS F. WHITTIE
 PROFESSIONAL ENGR. NO. 19155

PROJECTS:\9805\ENGR\DESIGN\GDM 06/97

**Stormceptor® GASKET
INSTALLATION INSTRUCTIONS**

**GUIDELINES FOR ASSEMBLING
PROFILE GASKETS ON A SINGLE STEP
Stormceptor® JOINT**

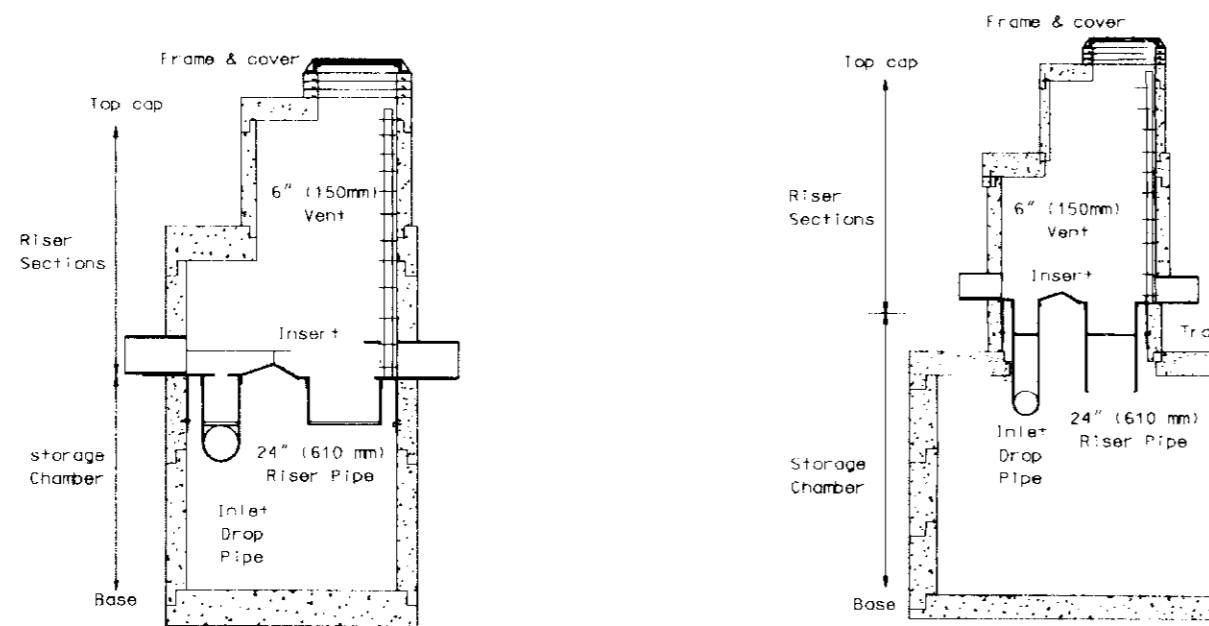
- The Stormceptor® section should be handled with care to avoid any chipping of the bell or spigot.
 - Carefully clean all dirt and debris from the spigot, including the step seating area of the gasket. Clean the inside area of the bell.
 - Place the profile gasket in the step of the "dry" spigot. Verify that the pointed end of the gasket is directed towards the shoulders of the spigot. (See Figure 1)
 - Insert a smooth, round rod, such as a screwdriver, between the gasket and the spigot. Be careful not to cut or lacerate the gasket. Equalize the gasket stretch by running the rod around the entire circumference several times.
 - Apply joint lubricate to the inner surface of the bell including the leading edge. Lubricate the spigot and gasket.
 - Align the Stormceptor® sections (spigot with the bell). Verify that the gasket touches the lead-in taper around the entire circumference.
 - Gently push the joint home. Note that every section will not home exactly the same. (See Figure 2)
- If jointing problems arise, do not force the Stormceptor® sections together (cracking may occur). Contact CSR Hydro Conduit immediately.



**CONTRACTOR INSTALLATION INSTRUCTIONS:
PRECAST CONCRETE STORMCEPTOR**

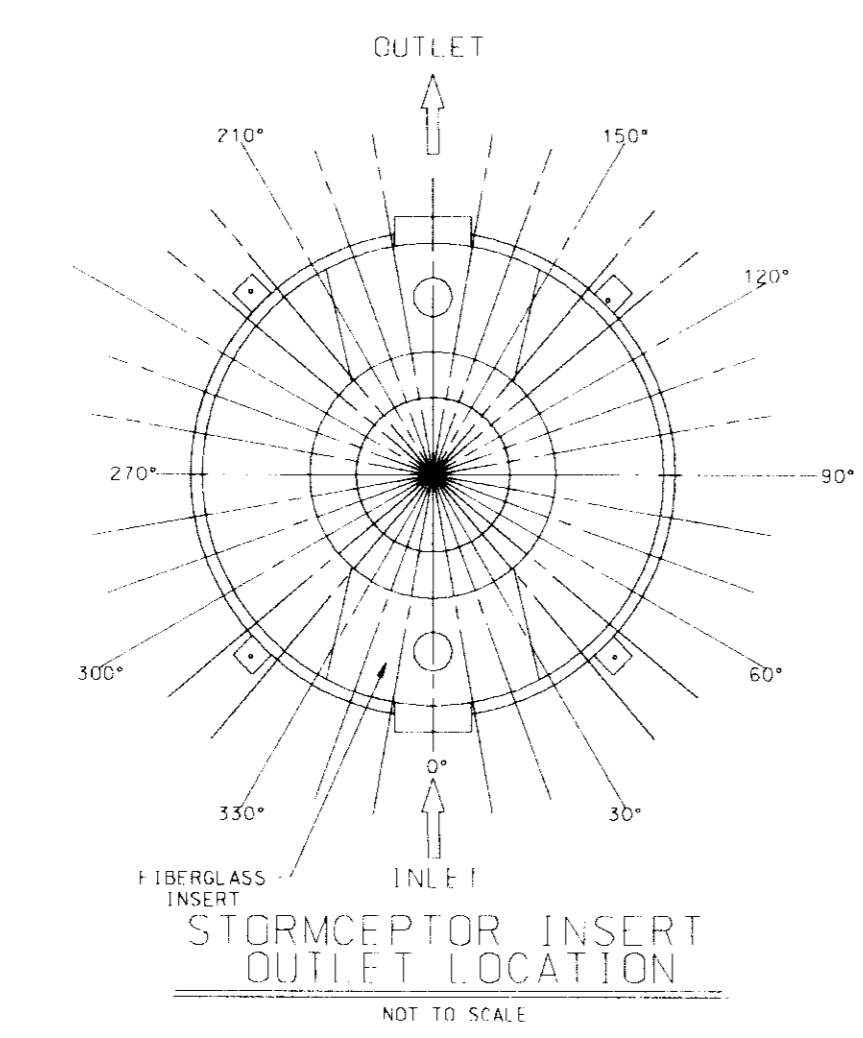
- Stake-out the location of the stormceptor and excavate hole. Excavate adequate space to connect inlet and outlet pipes to unit. Install a 12" deep (or as required) layer of compacted aggregate subbase at bottom of excavation. Install manhole string, as needed.
- Check elevation of unit by measuring its sections from base of the storage chamber (bottom of unit's side) to the invert of stormceptor bypass chamber inlet elevation (fiberglass insert). Subtract this distance from design invert elevation to determine top of subbase elevation. Check elevation of installed subbase and adjust as needed.
- Secure inspector approval of subgrade and subbase.
- Install storage chamber. Install screw inserts into base of storage chamber. Attach cables or chains to all 3 lifting lugs on the base slab. Using large equipment or crane lift and place the base section of the storage chamber in the excavated hole on the subbase. Make sure that the base is level. Specific alignment of this part is not required. Install rubber gasket on base unit and coat with lubricating grease (provided in shipment) if not pre-lubricated. Install additional storage chamber sections, as required (procedure is same as Step 8).
- If stormceptor models smaller than STC-2000 skip Step 5 and go to Step 6.
- Install reducing slab. (Stormceptor models > STC 2000) Check that section is set flush, level and is at the proper elevation. Install rubber gasket on the transition slab spigot and coat with lubricating grease (provided in shipment).
- Install bypass chamber of stormceptor with factory installed stormceptor insert. Lift bypass section and install, while checking alignment and grade of inlet and outlet drainage pipes. Check to make sure the bypass chamber is set flush, level and is at the proper elevation. The bypass chamber must be oriented such that inlet pipe discharges into the V-shaped fiberglass weirs (inside insert). Install rubber gasket on top of bypass section and coat with lubricating grease, if not pre-lubricated.
- Install inlet and outlet storm drain pipes. Connect inlet and outlet storm drain pipes with flexible boots (when provided) and with non-shrink grout when no flexible boots are provided. The invert of the inlet and outlet pipe is to match with the invert of the stormceptor insert. Flexible boot installation procedures: center the pipe in the boot opening. Lubricate the outside of the pipe and/or the inside of the boot if the pipe outside diameter is the same as the inside diameter of the boot. Position the pipe clamp in the groove of the boot with the screw at the top. Tighten the pipe clamp screw to 60 inch pounds. If the pipe is much smaller than the boot lift the boot such that it contacts the bottom of the pipe while tightening the clamp to ensure even contraction of the rubber. Move the pipe horizontally and/or vertically to bring it to grade.
- Install stormceptor drop pipes according to STC pipe installation procedure on reverse side of these instructions.
- Install riser section. Lift riser section and install, while checking that section is set flush and is at proper elevation and that unit is level. Specific alignment of this part is required if steps are included. Align steps above outlet inspection port. Note: for shallow installations this section may not be required. Seal lift holes with tapered flexible plug and knock into place. Plugs in storage chamber must be grouted inside and outside with grout.
- Install top cap with opening for stormceptor cover. If opening is offset (not centered) the top cap opening should be oriented above the stormceptor outlet inspection port (lug).
- Backfill stormceptor with approved backfill material (no organic or topsoil is to be used for backfill). Backfill and compact in 8 inch lifts. Backfill should be compacted to local/state/province requirements.
- Install and set grade adjusting rings, as needed.
- Install and set stormceptor frame and cover. Secure in frame to top slab to prevent horizontal movement.
- The stormceptor should be pumped out when the sediment control measures are removed (site permanently stabilized) and filled with clean water. Sediment and debris to be disposed of properly.
- Final inspection.

Stormceptor Pipe Installation Procedure



US Models: STC 900, STC 1200, STC 1800 US Models: STC 2400, STC 3600, STC 4800, STC 6000, STC 7200

- Drop Pipes to be installed once the riser section containing the insert has been installed on the storage chamber.
- Enter the Storage Chamber and install the Inlet Drop Pipe from underneath the insert. The Inlet Drop Pipe is easily identifiable by the I section fitting. The fit is oriented such that it is perpendicular to the direction of flow in the upstream storm sewer. For the smaller models (2000) the Inlet Drop Pipe is connected into the coupling that is provided using the supplied PVC cement. For the larger models (12000) the Inlet Drop Pipe is connected into a gasketed coupling using the supplied pipe lubricant. Once the Inlet Drop Pipe has been installed, the connection should also be caulked using the supplied (Chemex 948 or Bulldog Premium P.) sealant to ensure an oil/water tight connection.
- The large 24" (610 mm) Riser Pipe is inserted into the provided outlet sleeve from above while standing on the insert. A flange is provided on the Outlet Riser Pipe to prevent it from falling into the storage chamber. The underside of the flange must be caulked with the provided Chemex 948 sealant to ensure an oil/water tight connection.
- A 6" (150 mm) coupling is provided on the insert for the 6" (150 mm) supplied PVC Vent Pipe. The Vent Pipe should be attached to the coupling using the supplied Chemex 948 sealant to ensure an oil/water tight connection.



**CONSTRUCTION INSPECTION
CHECK OFF LIST FOR STORMWATER UNDERGROUND STRUCTURE
STORMCEPTOR**

STAGE	DEVELOPER'S ENGINEER'S APPROVAL	DPW INSPECTOR APPROVAL
	INITIALS/DATE	INITIALS/DATE
1. PRE CONSTRUCTION MEETING		
2. INSTALLATION OF STORMCEPTOR & ASSOCIATED STORM DRAINAGE		
a. OBTAIN APPROVAL OF SUBGRADE		
b. INSTALLATION OF PRECAST BASE & LOWER TANK		
c. INSTALLATION OF PRECAST MIDDLE SECTION WITH STORMCEPTOR INSERT		
d. INSTALLATION OF PRECAST TOP SLAB		
e. INSTALLATION OF ADJUSTMENT RINGS AND FRAME AND COVER		
3. BACKFILLING OPERATION AND COMPACTION		
4. SITE IS PERMANENTLY STABILIZED, SEDIMENT CONTROL MEASURES REMOVED AND ALL SEDIMENT AND DEBRIS REMOVED FROM STORMCEPTOR		
5. FINAL INSPECTION		

MANDATORY NOTIFICATION/APPROVAL OF DPW INSPECTOR PRIOR TO PROCEEDING WITH NEXT STAGE. CALL 311-1855 PRIOR TO 12:00 NOON ON THE PRECEDING DAY TO ARRANGE FOR NOTIFICATION/INSPECTION.

Hydro Conduit
11352 Virginia Project Blvd., Ashland, VA 23005 (804) 798-6068
11352 Virginia Project Blvd., Ashland, VA 23005 (804) 798-6068
DATE: 1-16-97
SCALE: 3/4" = 1'-0"
DWG.# CA 0225-01

CSR STORMCEPTOR DISK TYPE FIBERGLASS INSERT DETAIL

DR. BY: EPDM
CK. BY: RCH

Hydro Conduit
11352 Virginia Project Blvd., Ashland, VA 23005 (804) 798-6068
DATE: 12-17-96
SCALE: 1/2" = 1'-0"
DWG.# CA 0225-02

DR. BY: EPDM
CK. BY: RCH

PRECAST CONCRETE STORMCEPTOR

GENERAL NOTES:

- CSR HYDRO CONDUIT RECOMMENDS THE USE OF FLEXIBLE PIPE CONNECTORS AT THE INLET PIPE AND OUTLET PIPE WHERE APPLICABLE.
- STORMCEPTOR FRAME AND COVER TO BE POSITIONED OVER OUTLET DROP PIPE.
- INSERT TO BE SEALED AROUND CIRCUMFERENCE WITH CHEMEX 948.

PLAN

SECTION

UNIT	A	IN.	BO	IN.	IN.
STC 900	16	6	16		
STC 1200	16	6	16		
STC 1800	16	6	16		
STC 2400	44	8	44		
STC 3600	44	8	44		
STC 4800	44	10	44		
STC 6000	44	10	44		
STC 7200	44	12	44		

REV. DESCRIPTION BY DATE

Hydro Conduit
11352 Virginia Project Blvd., Ashland, VA 23005 (804) 798-6068
DATE: 12-17-96
SCALE: 1/2" = 1'-0"
DWG.# CA 0225-02

DR. BY: EPDM
CK. BY: RCH

PRECAST CONCRETE STORMCEPTOR

GENERAL NOTES:

- STORMCEPTOR SECTIONS SHALL CONFORM TO ASTM C 478. PROFILE GASKETS SHALL CONFORM TO ASTM C 443.
- MANHOLE STEPS PROVIDED ABOVE INSERT @ 16" O.C. AND SHALL BE COPOLYMER POLYPROPYLENE PLASTIC ENCAPSULATED GR. 60 STEEL.
- MINIMUM CONCRETE STRENGTH $f'c = 4,000$ PSI. MINIMUM CURTAIN THICKNESS 4" @ 60-000 PSI.
- REINFORCEMENT DESIGN SHALL MEET ASTM C 478.
- FLEXIBLE PIPE CONNECTORS SHALL MEET ASTM C 933.
- HANDLING:
 - ALL RISERS SHALL HAVE 2 EA. 1" X 20 HOLES FOR LIFTING @ 12" MAX. DOWN FROM SPIGOT.
 - ALL I.C. DIAM. BASE SECTIONS (FLATTOPS, AND REDUCERS) TO HAVE LIFT HOLES.
- DESIGNED FOR ASHSTO 4-20 LOADING.
- FIBERGLASS STORMCEPTOR INSERT REFERENCE DRAWING # CA 0225-01

PLAN

SECTION

NOTE:

- FLEXIBLE CONNECTIONS ARE RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
- COVER TO BE POSITIONED OVER OUTLET AND VENT PIPE.
- THIS IS A GENERAL ARRANGEMENT DRAWING. CONSULT LOCAL REPRESENTATIVE FOR SPECIFIC CONDITIONS.
- INLET DROP PIPE WILL BE FITTER 6" OR 12" WITH A 6" DRIFTER PLATE.
- ALL CONCRETE JOINTS HAVE RUBBER GASKETS THAT CONFORM TO ASTM C 443.
- U.S. PATENT NO. 4,985,148

REV. DESCRIPTION BY DATE

- GENERAL NOTES**
- SILT AND DEBRIS SHALL NOT BE ALLOWED TO ENTER THE STORMCEPTOR UNTIL THE CONTRIBUTING DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED. SILT MAY BE ALLOWED TO ENTER STORMCEPTOR IF IT IS BEING USED AS A FINAL SEDIMENT CONTROL FILTERING DEVICE.
 - ALL OPENINGS TO STRUCTURES SHALL BE PROTECTED WITH THE APPROPRIATE SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
 - THE STORMCEPTOR MUST BE PUMPED OUT AND CLEANED AT THE END OF THE CONSTRUCTION OF THE PROJECT.
- WATER QUALITY MAINTENANCE NOTES**
- WATER QUALITY STRUCTURES WILL REQUIRE PERIODIC CLEANING. OWNERS OF THESE FACILITIES WILL HAVE TO CLEAN THEM AS NEEDED.
 - MAINTENANCE OF THESE FACILITIES WILL CONSIST OF CLEANING OUT THE STORMCEPTOR AND DISPOSAL OF THE WASTE AND REPAIR OF THE FACILITY AS NEEDED. PERIODIC INSPECTIONS OF THESE FACILITIES WILL BE MADE BY THE OWNER.
 - THE DISPOSAL OF THE LIQUID AND SOLID MATTER SHALL BE TO AN APPROVED FACILITY.
 - THE INLET PIPES AND STRUCTURAL PARTS SHALL BE REPAIRED AS NEEDED.
 - STORMCEPTOR INLET AND OUTLET ASSEMBLY SHALL BE PERIODICALLY INSPECTED. BLOCKAGES SHALL BE REMOVED AND DISPOSED OF AS REQUIRED IN STEP 3 ABOVE. AFTER STORMCEPTOR IS CLEANED, UNIT IS TO BE FILLED WITH CLEAN WATER.
- REQUIRED PROCEDURES AND INSPECTIONS FOR INGROUND WATER QUALITY FACILITY**
- PRIOR TO THE START OF INSTALLING THE STORMCEPTOR, THE MDEP INSPECTOR MUST BE CALLED 48 HOURS IN ADVANCE AT 217-6301 (PRE-CONSTRUCTION MEETING).
 - THE MDEP INSPECTOR MUST BE NOTIFIED (217-6301) AT EACH OF THE FOLLOWING STAGES:
 - APPROVAL OF SUBGRADE: PREPARE A COMPACTED GRAVEL BED AT THE BOTTOM OF THE EXCAVATION (6" DEEP). ENSURE COMPACTION TO 95% DENSITY.
 - PLACE STORMCEPTOR IN EXCAVATION AT CORRECT ELEVATION AND AT CORRECT ALIGNMENT AND GRADE FOR INLET AND OUTLET STORM DRAINAGE. LEVEL UNIT. INSTALL BASE AND LOWER TANK. MIDDLE SECTION WITH STORMCEPTOR INSERT, RISER SECTION, TOP SLAB WITH PERSONWAY, LEVELING RINGS AND MANHOLE FRAME AND COVER.
 - BACKFILL STORMCEPTOR WITH SUITABLE NATIVE SOIL (NO ORGANIC OR TOPSOIL IS TO BE USED FOR BACKFILL). BACKFILL AND COMPACT IN 8 INCH LIFTS. BACKFILL SHOULD BE TO 95% OF DENSITY.
 - WHEN SITE IS PERMANENTLY STABILIZED AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED AND STABILIZED, THEN THE STORMCEPTOR WILL BE PUMPED OUT AND CLEANED AND PLACED IN STORMWATER MANAGEMENT OPERATION.
 - FINAL INSPECTION.

NOTE: A DIMENSIONAL SHOP DRAWING MUST BE SUBMITTED TO AND APPROVED BY FWA PRIOR TO FABRICATION OF STORMCEPTOR

Stormceptor® Order Request Form

Contractor Information

Name: _____
Address: _____
City: _____
State: _____
Zip Code: _____
Contract: _____
Phone: _____
Fax: _____

Owner Information

Name: EXXON COMPANY USA
Phone: (301) 513-7511
Fax: (301) 513-7532

Please draw or tentation of inlet and outlet pipes on diagram along with pipe inside diameter (in.) and invert elevation (ft.). Clearly mark inlet pipes with an I and outlet pipes with an O and provide the inlet/outlet pipe angle in degrees.

Stormceptor® Model	Insert Size	Manhole - SC-1
900	3600	22" [X] Top Elevation (ft.) 165.0 Inlet Pipe Invert (ft.) 159.89 Outlet Pipe Invert (ft.) 152.77
1200	4800	32" [] Pipe Type: RCP, CL, LV
1800	6000	44" [] Pipe Inside Diameter (in) [10] 18"
2400	7200	Custom Pipe Outside Diameter (in) [10] 22"

Project Name: EXXON WENDY'S ROUTE 1 GORMAN ROAD, HOWARD COUNTY
Approximate time frame until required delivery (weeks): _____
Delivery Address: Street 8850 GORMAN ROAD
City: LAUREL State: MARYLAND Zip Code: 20723
Designer: Company: FREDERICK WARD ASSOCIATES, INC. Phone: (410) 838-7900 Fax: (410) 893-1243
Designer Contact: T.F. WHITTE Phone: (410) 838-7900 Fax: (410) 893-1243

Please fax this sheet back to Hydro Conduit/Virginia Precast at (804) 798-3426
Attn: Dave Brinser/Bryant Lowery (Phone: 1-800-999-2278)

For credit information/applications contact Carole Bruschi at (804) 798-6068
For Technical Assistance Please Call Stormceptor Corporation at (301) 762-8361 or toll free at 1-800-762-4703

Stormceptor® Order Request Form

Contractor Information

Name: _____
Address: _____
City: _____
State: _____
Zip Code: _____
Contract: _____
Phone: _____
Fax: _____

Owner Information

Name: EXXON COMPANY USA
Phone: (301) 513-7511
Fax: (301) 513-7532

Please draw or tentation of inlet and outlet pipes on diagram along with pipe inside diameter (in.) and invert elevation (ft.). Clearly mark inlet pipes with an I and outlet pipes with an O and provide the inlet/outlet pipe angle in degrees.

Stormceptor® Model	Insert Size	Manhole - SC-2
900	3600	22" [X] Top Elevation (ft.) 164.4 Inlet Pipe Invert (ft.) 154.4 Outlet Pipe Invert (ft.) 152.32
1200	4800	32" [] Pipe Type: RCP, CL, LV
1800	6000	44" [] Pipe Inside Diameter (in) [10] 18"
2400	7200	Custom Pipe Outside Diameter (in) [10] 22"

Project Name: EXXON WENDY'S ROUTE 1 GORMAN ROAD, HOWARD COUNTY
Approximate time frame until required delivery (weeks): _____
Delivery Address: Street 8850 GORMAN ROAD
City: LAUREL State: MARYLAND Zip Code: 20723
Designer: Company: FREDERICK WARD ASSOCIATES, INC. Phone: (410) 838-7900 Fax: (410) 893-1243
Designer Contact: T.F. WHITTE Phone: (410) 838-7900 Fax: (410) 893-1243

Please fax this sheet back to Hydro Conduit/Virginia Precast at (804) 798-3426
Attn: Dave Brinser/Bryant Lowery (Phone: 1-800-999-2278)

For credit information/applications contact Carole Bruschi at (804) 798-6068
For Technical Assistance Please Call Stormceptor Corporation at (301) 762-8361 or toll free at 1-800-762-4703

DATE: _____ NUMBER: _____ REVISION DESCRIPTION: _____

APPROVED: DEPARTMENT OF PLANNING AND ZONING

CHIEF DEVELOPMENT ENGINEERING DIVISION 10/16/97 DATE

CHIEF DIVISION OF LAND DEVELOPMENT 10/20/97 DATE

DIRECTOR 10/20/97 DATE

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

10/15/97 DATE

OWNER: FRETSTATE ASSOCIATES I LIMITED PARTNERSHIP
461 5th AVE.
23rd FLOOR
NEW YORK, NEW YORK 10017
ATTN: MR. PAUL GOITWALD
PHONE: (212) 779-0408

DEVELOPER/
APPLICANT: EXXON CORPORATION
6301 IVY LANE
SUITE 700
GREENBELT, MARYLAND 20770
ATTN: MR. ROBERT CASERTA
PHONE: (301) 513-7511

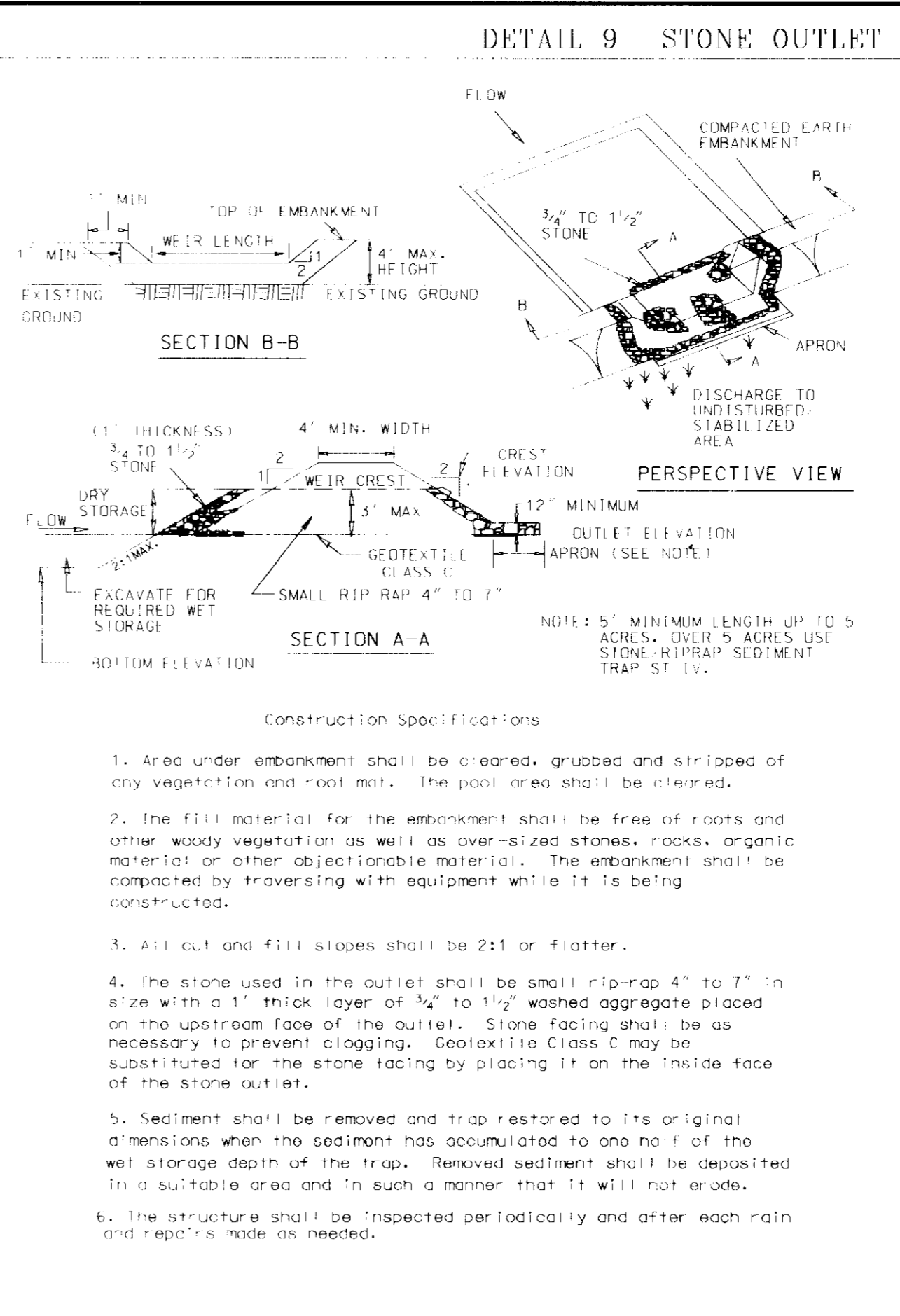
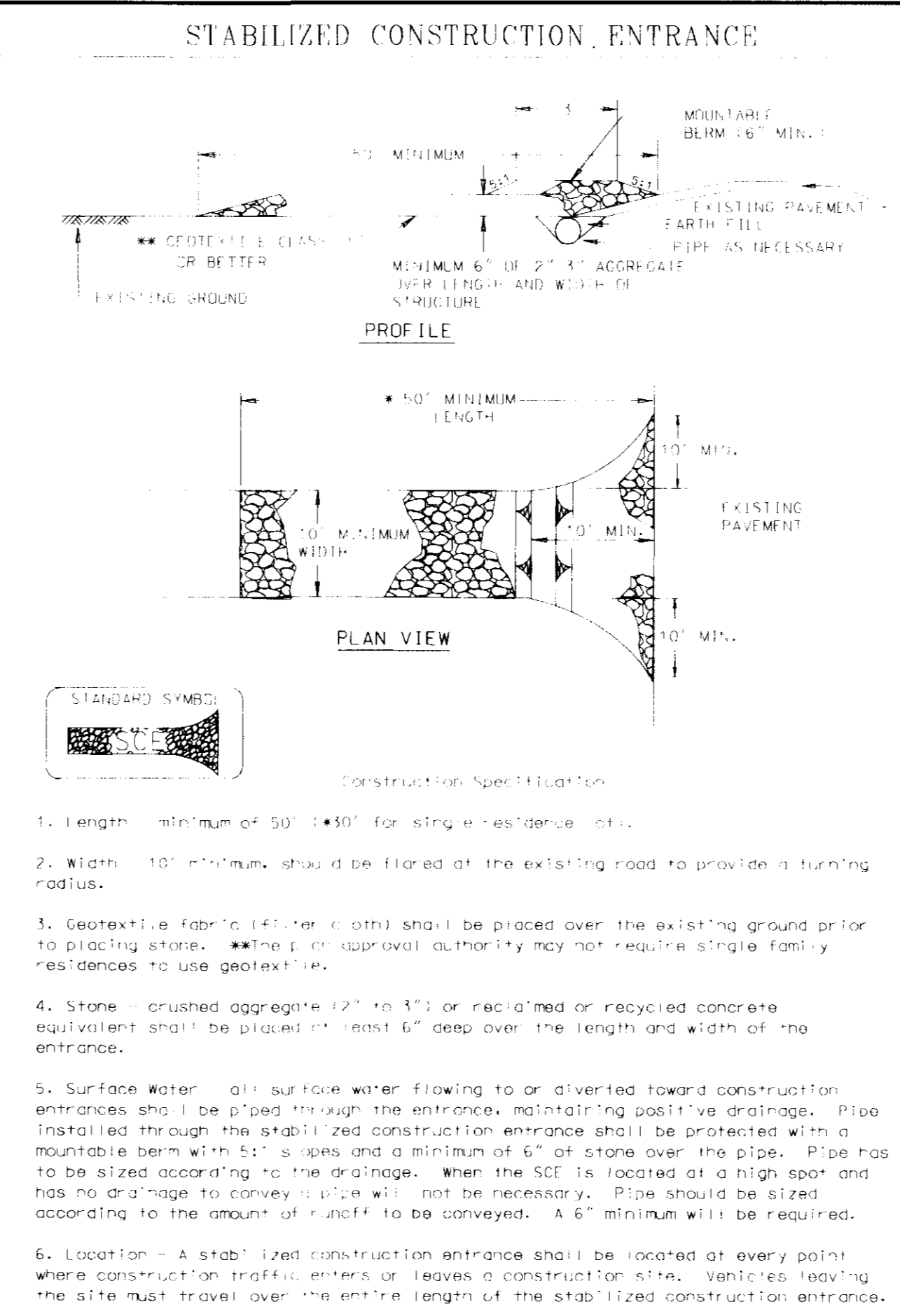
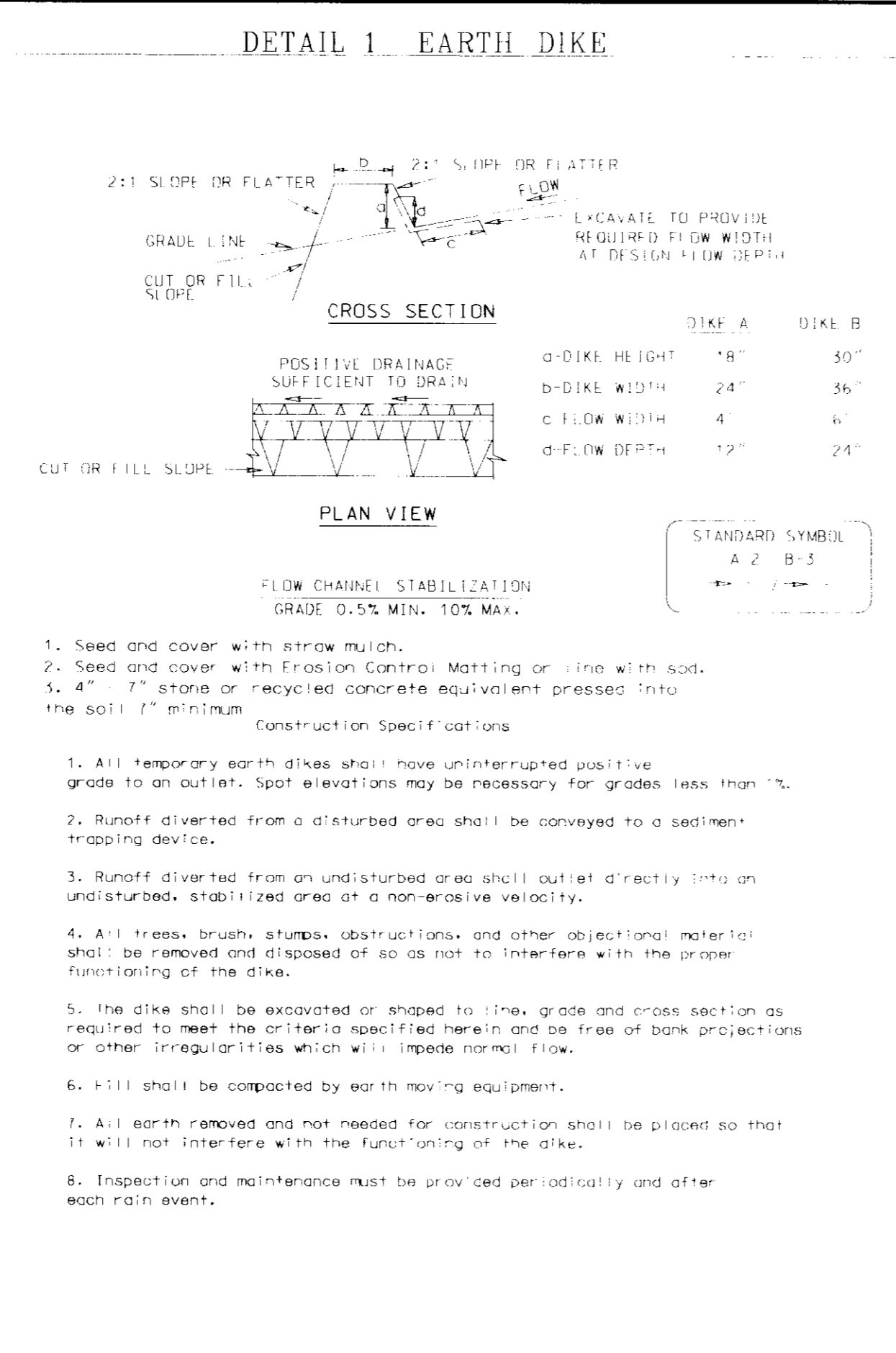
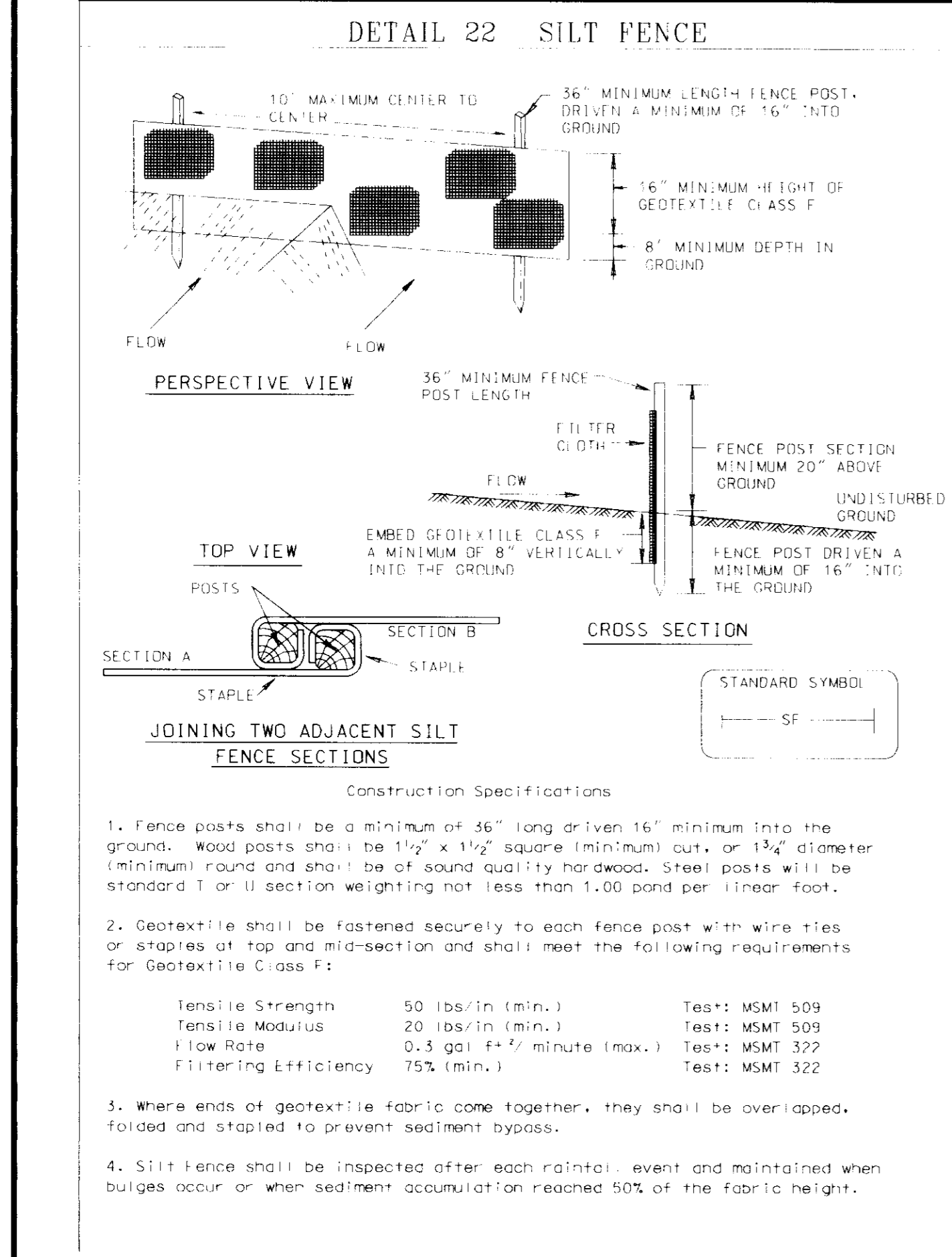
FREDERICK WARD ASSOCIATES INC.
ENGINEERS ARCHITECTS SURVEYORS
5 SOUTH MAIN STREET BEL AIR, MARYLAND 21014 (410) 879-2090
RS # 2-0340
F.W.A. JOB NUMBER 96053.01 F.W.A. DRAWING FILE NAME: COSTM01.DGN
CENSUS TRACT NO. 6069-02 WATER CODE: C04
SEWER CODE: 5090000

TAX MAP 47 PARCEL 142/D
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
FOR AN EXXON STATION AT
ROUTE 1 & GORMAN RD
LOT D, GRID 17
STORMCEPTOR NOTES AND DETAILS

DISTION BY: JBG SCALE: AS SHOWN PROJECT NO.: 96051
DRAWN BY: KNA/I DATE: 06/16/97 DRAWING NUMBER
CHECKED BY: TFW APPROVED: _____ 9 OF 13

SDP 97121

PROJECTS: 96053.01 ENGR: CSM: MDTL: 06-97



7. Construction of traps shall be located in such a manner that sediment pollution is abated. Once constructed, the top and outside face of the embankment shall be stabilized with seed and mulch. Points of concentration flow shall be protected in accordance with Grade Stabilization Structure or Ledge. The remainder of the interior slopes should be stabilized (one time) with seed and mulch upon trap completion and maintained as needed to prevent erosion during the life of the trap.

8. The structure shall be dewatered by approved methods, removed and the area stabilized when the drainage area has been properly stabilized.

9. Refer to Section U for specifications concerning trap dewatering.

10. Minimum trap depth shall be measured from the weir elevation.

11. The elevation of the top of any dike directing water into the trap must equal or exceed the elevation of the trap embankment.

12. Geotextile Class F shall be placed over the bottom and sides of the outlet channel prior to the placement of stone. Sections of filter cloth must overlap by at least 1' with the section nearest the entrance placed on top. The filter cloth shall be embedded at least 6" into existing ground at the entrance of the outlet channel.

13. Outlet - An outlet shall be provided, including a means of conveying the discharge in an erosion free manner to an existing stable channel.

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 CHIEF DEVELOPMENT ENGINEERING DIVISION: *Michelle Williams* 10/1/97
 CHIEF DIVISION OF LAND DEVELOPMENT: *Candy Hamilton* 10/25/97
 DIRECTOR: *Frank McGehee* 10/25/97

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT.
 COUNTY HEALTH OFFICER: *Joyce M. Boyd* 10/15/97

BY THE ENGINEER:
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
John White 0/22/97
 SIGNATURE OF ENGINEER DATE

STANDARD AND SPECIFICATIONS FOR VEGETATIVE STABILIZATION WITH SOD

SPECIFICATIONS:

- CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOD.
- SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH, PLUS OR MINUS 1/4 INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
- STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
- INDIVIDUAL PIECES OF SOD SHALL BE CUT TO THE SUPPLIERS WIDTH AND LENGTH. MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 5 PERCENT. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
- SOD SHALL NOT BE HARVESTED OR TRANSPORTED WHEN MOISTURE CONTENT IS EXCESSIVELY DRY OR WET. IT ADVERSELY AFFECTS ITS SURVIVAL.
- SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPORTED WITH THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO ITS INSTALLATION.

SITE PREPARATION:

- FERTILIZER AND LIM APPLICATION RATES SHALL BE DETERMINED BY SOIL TEST UNDER UNUSUAL CIRCUMSTANCES WHERE THERE IS INSUFFICIENT TIME FOR A COMPLETE SOIL TEST. FERTILIZER AND LIM MATERIALS MAY BE APPLIED IN AMOUNTS SHOWN UNDER B, BELOW.
- PRIOR TO SODDING, THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS, AND OF ALL ROOTS, BRUSH, WIRE, GRAPE STAKES, AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.
- WHERE THE SOIL IS ACID OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 2 TONS/ACRE OR 100 POUNDS PER 1000 SQUARE FEET. IN ALL SOILS, 1000 POUNDS PER ACRE OR 25 POUNDS PER 1000 SQUARE FEET OR 10-10-10 FERTILIZER OR EQUIVALENT SHALL BE UNIFORMLY APPLIED AND MIXED INTO THE TOP 3 INCHES OF SOIL WITH THE REQUIRED LIME.
- ALL AREAS RECEIVING SOD SHALL BE UNIFORMLY FINE GRADED. HARD-PACKED EARTH SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SOD.

SOD INSTALLATION:

- DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE THE SOIL SHALL BE LIGHTLY IRRIGATED IMMEDIATELY PRIOR TO LAYING THE SOD.
- THE FIRST ROW OF SOD SHALL BE LAD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO AND TIGHTLY WEDGED AGAINST EACH OTHER. LATERAL JOINTS SHALL BE STAGGERED TO PROMOTE MORE UNIFORM GROWTH AND STRENGTH. INSURE THAT SOD IS NOT STRETCHED OR OVERLAPPED AND THAT ALL JOINTS ARE BUTTED TIGHT IN ORDER TO PREVENT VOIDS WHICH WOULD CAUSE AIR DRYING OF THE ROOTS.
- ON SLOPING AREAS WHERE EROSION MAY BE A PROBLEM, SOD SHALL BE LAD WITH THE LONG EDGES PARALLEL TO THE CONTOUR AND WITH STAGGERED JOINTS. SECURE THE SOD BY TAMING OR PEcking OR OTHER APPROVED METHODS.
- AS SODDING IS COMPLETED IN ANY ONE SECTION, THE ENTIRE AREA SHALL BE ROLLED OR TAMPED TO INSURE SOLID CONTACT OF ROOTS WITH THE SOIL SURFACE. SOD SHALL BE WATERED IMMEDIATELY AFTER ROLLING OR TAMING UNTIL THE UNDERSIDE OF THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THROUGHLY WET. THE OPERATIONS OF LAYING, TAMING AND IRRIGATING FOR ANY PIECE OF SOD SHALL BE COMPLETED WITHIN EIGHT HOURS.

SOD MAINTENANCE:

- IN THE ABSENCE OF ADEQUATE RAINFALL, WATERING SHALL BE PERFORMED DAILY OR AS OFTEN AS NECESSARY DURING THE FIRST WEEK AND IN SUFFICIENT QUANTITIES TO MAINTAIN MOIST SOIL TO A DEPTH OF 4 INCHES. WATERING SHOULD BE DONE DURING THE HEAT OF THE DAY TO PREVENT WELTING.
- AFTER THE FIRST WEEK, SOD SHALL BE WATERED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE AND INSURE ESTABLISHMENT.
- FIRST MOWING SHOULD NOT BE ATTEMPTED UNTIL SOD IS FIRMLY ROOTED. NO MORE THAN 1/3 OF THE GRASS LEAF SHALL BE REMOVED BY THE INITIAL CUTTING OR SUBSEQUENT CUTTINGS. GRASS HEIGHT SHALL BE MAINTAINED BETWEEN 2 AND 3 INCHES UNLESS OTHERWISE SPECIFIED.
- MAINTENANCE OF ESTABLISHED SOD SHOULD FOLLOW SPECIFICATIONS OUTLINED IN TABLE 54.1.

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 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).

SOILS AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS./1000 SQ.FT.)

SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2 1/2 BU. PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (0.7 LBS./1000 SQ.FT.) FOR THE PERIOD NOVEMBER 16 THROUGH 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.

PERMANENT SEEDING NOTES

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

SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING (UNLESS PREVIOUSLY LOOSENED).

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 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 (19 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 (125 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

SEEDING: FOR THE PERIODS MARCH 1 THROUGH APRIL 30, AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 60 LBS. PER ACRE (14 LBS./1000 SQ.FT.) KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THROUGH JULY 31, SEED WITH 60 LBS. PER ACRE OF WEEPING LOVEGRASS AND 2 LBS. PER ACRE (0.5 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THROUGH 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) 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OPTION (3) SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING: APPLY 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROOTED SMALL GRASS STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2/8 GALS. PER ACRE (5 GALS./1000 SQ.FT.) OF FULMSHIFED ASPHALT ON FLAT AREA ON SLOPES 8 FEET OR HIGHER, USE 3/4 GALLONS PER ACRE (8 GALS./1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPAIRMENTS AND RESEEDINGS.

HOWARD SOIL CONSERVATION DISTRICT 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. (315-1850)
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, AND REVISIONS THERE TO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A 7-CALANDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DROPS, PERMETER SLOPES AND ALL SLOPES STEEPER THAN 3:1, BY 14-DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 7 OF "HOWARD COUNTY DESIGN MANUAL", STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME HEREON SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, FOR PERMANENT SEEDING, TEMPORARY SEEDING, AND MULCHING. SEE C-1 TEMPORARY STABILIZATION WITH MULCH ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:

TOTAL AREA OF SITE	2.58 ACRES
AREA DISTURBED	2.50 ACRES+
AREA TO BE REGRADED OR PAVED	1.54 ACRES+
AREA TO BE VEGETATIVELY STABILIZED	0.98 ACRES+
TOTAL CUT	3000 CUBIC YARDS
TOTAL FILL	3000 CUBIC YARDS
OFFSITE WASTE/BORROW LOCATION	TO BE DETERMINED, BUT MUST BE A SITE WITH AN ACTIVE GRADING PERMIT

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY OR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

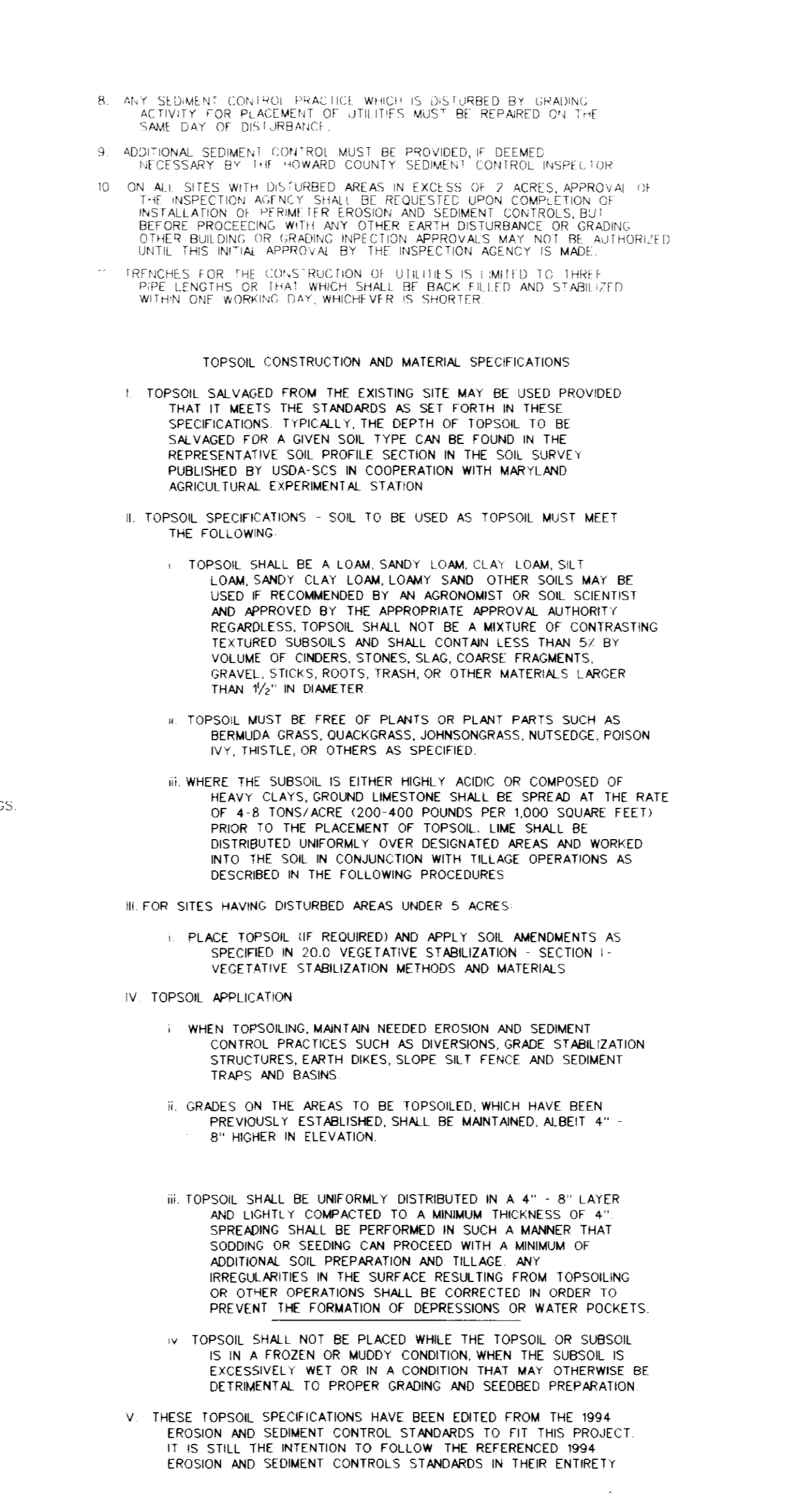
9. ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

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 GRADING, CONSTRUCTION, ROADING, 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 SHALL BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

TOPSOIL CONSTRUCTION AND MATERIAL SPECIFICATIONS:

- 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.
- 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 CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF CONCRETE, STONES, SLAG, CONCRETE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1/2" IN DIAMETER.
 - TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NETSETGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
 - WHERE THE SUBSOIL IS EITHER HEAVY CLAY OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1000 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:
 - FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
 - PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 2.0.0 VEGETATIVE STABILIZATION SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.
 - 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.
 - FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES:
 - 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.
 - 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 SEEDING PREPARATION.
- THESE TOPSOIL SPECIFICATIONS HAVE BEEN EDITED FROM THE 1994 EROSION AND SEDIMENT CONTROL STANDARDS TO FIT THIS PROJECT. IT IS STILL THE INTENTION TO FOLLOW THE REFERENCED 1994 EROSION AND SEDIMENT CONTROLS STANDARDS IN THEIR ENTIRETY.



BY THE DEVELOPER:

I, THE DEVELOPER, 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 THE ENVIRONMENT 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.

W. East 9/3/97
 SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD S.C.D. & MEETS TECHNICAL REQUIREMENTS.

Cheryl Simms 10/2/97
 U.S. NATURAL RESOURCES CONSERVATION SERVICE DATE

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

John White 10/2/97
 DATE

OWNER: FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 461 5TH AVE.
 23RD FLOOR
 NEW YORK, NEW YORK 10017
 ATTN.: MR. PAUL GOTTLWALD
 PHONE: (212) 779-0408

DEVELOPER/APPLICANT: EXXON CORPORATION
 6301 IVY LANE
 SUITE 700
 GREENBELT, MARYLAND 20770
 ATTN.: MR. ROBERT CASERTA
 PHONE: (301) 513-7511

ENGINEERS ARCHITECTS SURVEYORS: FREDERICK WARD ASSOCIATES INC.
 5 SOUTH MAIN STREET BEL AIR, MARYLAND 21034 410/819-2090
 P.A.S. # 20340
 F.W.A. JOB NUMBER 96053.01 F.W.A. DRAWING FILE CODE: SDP12.DWG

CENSUS TRACT NO. 6669.02 WATER CODE: C04
 SEWER CODE: 5020000

TAX MAP 47 PARCEL 142-D
 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 FOR AN EXON STATION AT
 ROUTE 1 & GORMAN RD
 LOT D, GRID 17
 SEDIMENT AND EROSION CONTROL NOTES AND DETAILS

DESIGN BY: JBC SCALE: N.T.S. PROJECT NO.: 93397.01
 DRAWN BY: LCF DATE: 06-16-97 DRAWING NUMBER
 CHECKED BY: TFW APPROVED: 07 OF 13

SDP 97-101

GORMAN ROAD
(VARIABLE WIDTH R/W)

N/F
FREESTATE ASSOCIATES LIMITED PARTNERSHIP
1100/676, 2367/696, 1023/347
PARCEL C, PLAT NO MDR 10568 AND 10569
ZONING M-1

N/F
ROCKVILLE AIR
CONDITIONING SUPPLY, INC.
2635/0007
ZONING M-1

U.S. ROUTE 1 BALTIMORE WASHINGTON BLVD.
(150' R/W)

GENERAL NOTES FOR UTILITY CONSTRUCTION

1. INFORMATION CONCERNING THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES WAS TAKEN FROM RECORDS PROVIDED BY UTILITY COMPANIES AND HOWARD COUNTY DPW. THESE LOCATIONS SHOULD BE CONSIDERED APPROXIMATE. FREDERICK WARD ASSOCIATES, INC. MAKES NO GUARANTEE AS TO THE COMPLETENESS OR ACCURACY OF UTILITIES AND THEIR LOCATIONS, SHOWN OR NOT SHOWN, ON THESE DRAWINGS. SUCH INFORMATION PROVIDED ON THESE PLANS IS FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE CONTRACTOR SHALL VERIFY THE PRESENCE, ABSENCE, AND LOCATIONS OF ALL UTILITIES TO HIS SATISFACTION. PRIOR TO ANY WORK UNDER THIS CONTRACT.
2. THE CONTRACTOR IS TO NOTIFY MISS UTILITY AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION AND EXCAVATION. PHONE 1-800-257-7177.
3. PRIOR TO ANY CONSTRUCTION UNDER THIS CONTRACT, CONTRACTOR SHALL TEST (PI) TO VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES WHERE UTILITY TRENCHES AND CROSSINGS WILL BE ENCOUNTERED. ANY DISCREPANCIES IN HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DRAWINGS, PARTICULARLY AT PROPOSED STORM DRAIN, SANITARY, AND WATER CONNECTIONS, SHALL BE IMMEDIATELY REPORTED TO FREDERICK WARD ASSOCIATES PRIOR TO ANY CONTINUATION OF WORK UNDER THIS CONTRACT. THIS IS FOR THE PURPOSE OF IDENTIFYING ANY CONFLICTS WHICH MAY IMPACT THE PROPOSED DESIGN AND RESOLUTION OF SAID CONFLICTS PRIOR TO CONTINUATION OF WORK.
4. ANY EXISTING UTILITIES AND AMENITIES WHICH ARE DAMAGED DUE TO TEST PITTING AND UTILITY CONSTRUCTION SHALL BE REPAIRED IN KIND AT THE SOLE EXPENSE OF THE CONTRACTOR.
5. ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE RE-INSTALLED IN KIND AT THE END OF THE DAY BY THE UTILITY CONTRACTOR.
6. ALL STORM DRAIN, WATER, SEWER, AND PRODUCT PIPING UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS FOR UTILITY CONSTRUCTION, AND EXON SPECIFICATIONS.
7. ANY PROPOSED GAS AND ELECTRIC SERVICE TO BE COORDINATED IN THE FIELD BY THE EXON FIELD ENGINEER WITH BGE FOR LOCATION AND SIZE OF SERVICE.
8. WATER SERVICE AND METER, AND SANITARY SERVICE ARE TO BE PRIVATE SYSTEMS. A 4" METER IS TO BE LOCATED INSIDE THE BUILDING.
9. INVERTS IDENTIFIED AS BEING MEASURED OR VERIFIED IN THE FIELD WERE DONE SO BY EITHER TEST PITTING OR INTERPOLATING GRADES BETWEEN STRUCTURES SURVEYED. CONTRACTOR SHALL VERIFY THE SAME TO HIS SATISFACTION, AS THIS INFORMATION IS SHOWN SOLELY FOR THE CONTRACTOR'S CONVENIENCE.

GENERAL NOTES FOR WATER AND SEWER CONSTRUCTION

1. WATER VALVES AND SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED, AND CONTAIN COUNTERSUNK PLUGS.
2. UTILITIES SHALL MAINTAIN A MINIMUM 12 INCH CLEARANCE WHEN CROSSING EXISTING AND PROPOSED UTILITIES ON AND OFF SITE.
3. WATER SERVICES SHALL HAVE A MINIMUM 3.5' FOOT COVER OVER CROWN OF PIPE.
4. WATER SERVICE SHALL BE 4" DUCTILE IRON PIPE CLASS 51, AND TYPE K COPPER TUBING OR AS APPROVED BY HOWARD COUNTY. SANITARY SEWER PIPE SHALL BE PVC SCH. 40, OR AS APPROVED BY HOWARD COUNTY.

GENERAL NOTES FOR STORM DRAIN CONSTRUCTION

1. MANHOLE LIDS AND INLET GRATES SHALL BE TRAFFIC BEARING AND BICYCLE SAFE.
2. ALL MANHOLE LIDS, INLET GRATES AND CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE THREADED AND CONTAIN COUNTERSUNK PLUGS, APPROVED BY HOWARD COUNTY.
3. STORM DRAIN PIPE TO BE RCP CL. IV AND PVC SCH. 40, 04 AS APPROVED BY HOWARD COUNTY.
4. REFER TO STORM DRAIN PROFILES ON SHEETS AND FOR SIZE AND TYPE OF STORM DRAINS.

STORM DRAIN AND SANITARY CLEANOUT SCHEDULE

STORM DRAIN AND SANITARY CLEANOUT SCHEDULE			
C.O. NO.	SIZE, IN.	INV.	TOP ELEV.
1	6	162.35	165.5
2	6	162.0	166.6
3	6	161.0	166.6
4	6	162.65	167.7
5	6	162.95	166.3
6	4	160.11*	168.5
7	4	161.0	166.8
8	4	161.25	166.65
9	4	161.50	166.6

* INVERT TAKEN TO BE AT 1/2" IN POINT WITH EX. 8" SAN AS SHOWN ON HD. CO. CONTRACT 24 3172 01.

STRUCTURE SCHEDULE

NO.	DESCRIPTION	INV. IN.	INV. OUT.	GRAVL. EL.
1-1	DOUBLE TYPE 'S' COMBINATION INLET HD. CO. STD. SD-4.34	160.6 (154E)	160.1	164.1
1-2	DOUBLE TYPE 'S' COMBINATION INLET HD. CO. STD. SD-4.34		160.0	163.6
1-3	TYPE 'S' COMBINATION INLET HD. CO. STD. S.D. 4.32	159.75	159.5	163.0
1-4	TYPE 'A-S' INLET HD. CO. STD. S.D. 4.01	157.25	EX. 157.14	161.8 TOP SLAB
1-1	12" CONCRETE END SECTION HD. CO. STD. SD-5.52	161.1		
1-2	18" RCP		159.6	
1-3	15" RCP		159.0	
1-4	15" CONCRETE END SECTION HD. CO. STD. SD-5.52	157.4		
SD-1	WD. STORMOFFIOR STC 1200	159.85	159.77	165.0
SD-2	WD. STORMOFFIOR STC 900	159.40	159.32	164.4

DATE: 1/9/97
NUMBER: 1
REVISION DESCRIPTION: MOVE UNDERGROUND STORAGE TANKS

APPROVED: DEPARTMENT OF PLANNING AND ZONING
CHIEF DEVELOPMENT ENGINEERING DIVISION: 10/1/97
CHIEF DIVISION OF LAND DEVELOPMENT: 10/25/97
DIRECTOR: 10/20/97

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT: 10/15/97

OWNER: FREESTATE ASSOCIATES LIMITED PARTNERSHIP
461 5TH AVE., 23RD FLOOR
NEW YORK, NEW YORK 10017
ATTN: MR. PAUL COTTWALD
PHONE: (212) 719-0408

DEVELOPER/APPLICANT: EXON CORPORATION
6301 IVY LANE, SUITE 700
GREENBELT, MARYLAND 20770
ATTN: MR. ROBERT CASERTA
PHONE: (301)-515-1511

0/22/97
DATE

PROFESSIONAL ENGINEER
M. W. WHITE
PROFESSIONAL ENGR. NO. 19155

SDP# 97-121

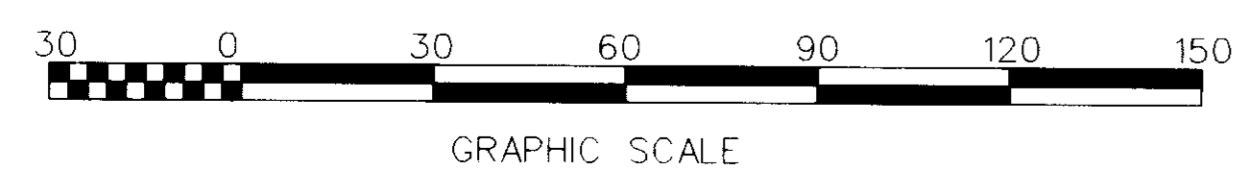
FREDERICK WARD ASSOCIATES INC.
ENGINEERS ARCHITECTS SURVEYORS
5 SOUTH MAIN STREET BEL AIR, MARYLAND 21034 410.879.2090
RAS # 2-0340
FWA JOB NUMBER 96053.01 FWA DRAWING FILE NAME C07L101N

CENSUS TRACT NO. 6069.00 WATER CODE: 004
SEWER CODE: 5090000

TAX MAP 47 PARCEL 142/D
6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

FILE FOR AN EXON STATION AT
ROUTE 1 & GORMAN RD
LOT D, GRID 17
SITE UTILITY & PIPING PLAN

DESIGN BY: JBC SCALE: 1" = 30' PROJECT NO.:
DRAWN BY: ICF DATE: 06-16-1997 DRAWING NUMBER:
CHECKED BY: TEW APPROVED: 5 OF 13



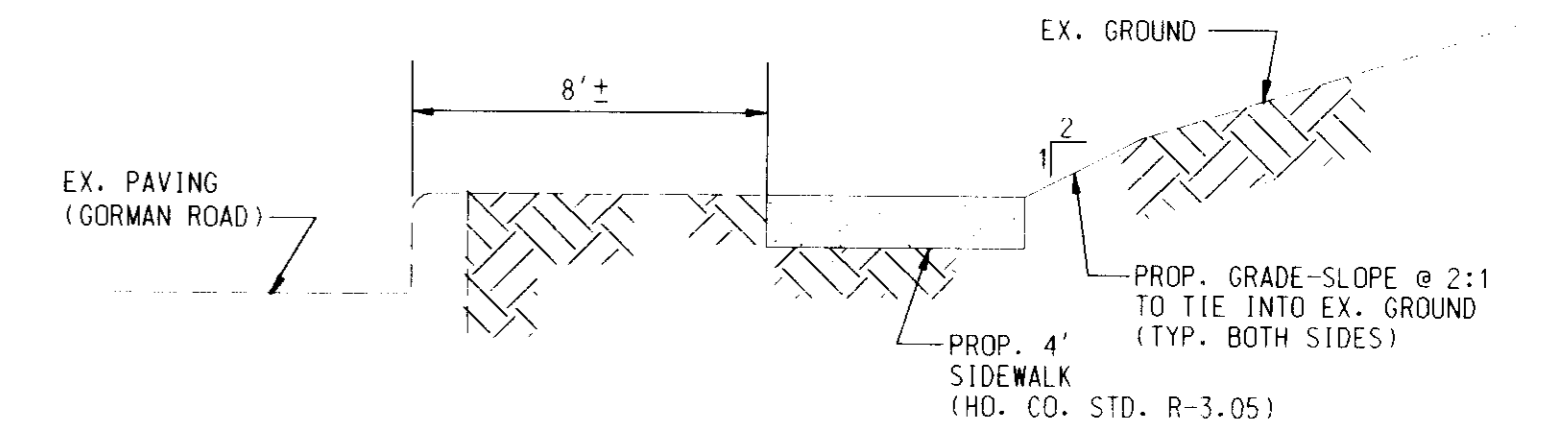
PROJECT: 96053.0001.DWG 06/97

SDP 97-121

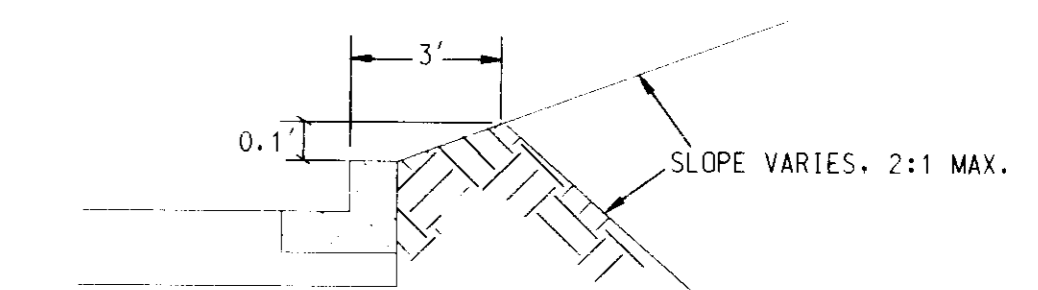
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 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 1100/676, 2367/696, 1023/347
 PARCEL C, PLAT NO. MDR 10568 AND 10569
 ZONING: M-1

GRADING NOTES

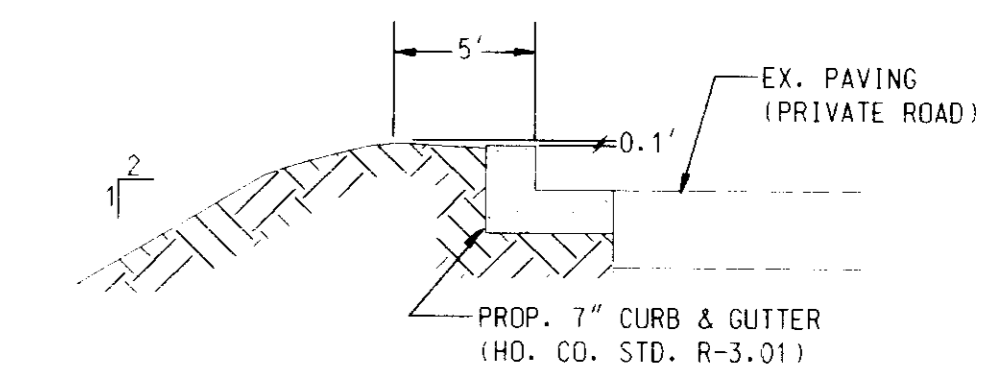
- TOTAL SITE AREA: 2.38 AC.
- TOTAL DISTURBED AREA: 1.99 AC.
- REFER TO SEDIMENT AND EROSION CONTROL PLAN ON SHEET 7 OF 12 FOR SITE ANALYSIS OF EARTHWORK QUANTITIES.
- FILL MATERIAL SHALL BE COMPACTED AT 95% TO MEET AASHTO T 180 SPECIFICATIONS. REFER TO EXXON STANDARD DRAWINGS 1090 AND GEOTECHNICAL ENGINEER FOR COMPACTION REQUIREMENTS UNDER IMPERVIOUS AREAS AND BUILDING SLABS AND FOUNDATIONS.
- BENCHMARK: SEE COVER SHEET
- REFER TO STRUCTURE SCHEDULE ON SITE UTILITY AND PIPING PLAN SHEET 5 FOR TOP 1 ID, TOP OF CLEANOUT, AND TOP GRADE ELEVATIONS.



A SECTION THRU SIDEWALK
 NEAR ENTRANCE @ GORMAN ROAD
 N.T.S.



B SECTION THRU PARKING LOT
 N.T.S.



C SECTION THRU CURB/SLOPE
 TO WATER QUALITY FACILITY AT PRIVATE ROAD
 N.T.S.

LEGEND

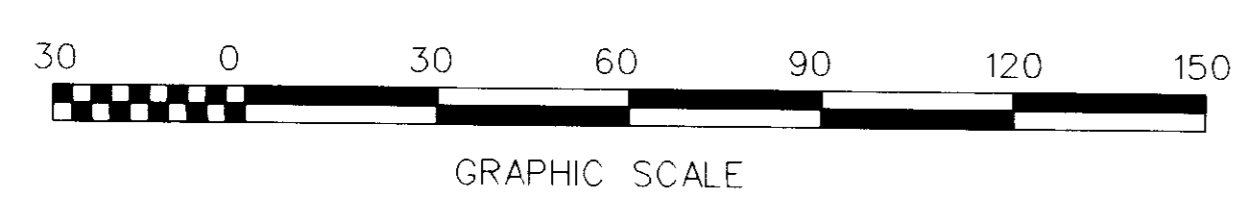
- 261 --- EXISTING CONTOUR
- 263 --- PROPOSED CONTOUR
- + 232.95 PROPOSED SPOT ELEVATION
- + EX 232.95 EXISTING SPOT ELEVATION
- PROPOSED FLOW ARROWS INDICATING DIRECTION OF FLOW
- TIG TOP INLET GRATE

GORMAN ROAD
 (VARIABLE WIDTH R/W)

N/F
 ROCKVILLE AIR
 CONDITIONING SUPPLY, INC.
 2635/0007
 ZONING: M-1

U.S. ROUTE 1 BALTIMORE WASHINGTON BLVD.
 (150' R/W)

BENCHMARK
 X-GUL SET
 N 41°25'48.4093
 E 351'181.2652
 ELEV. = 164.20

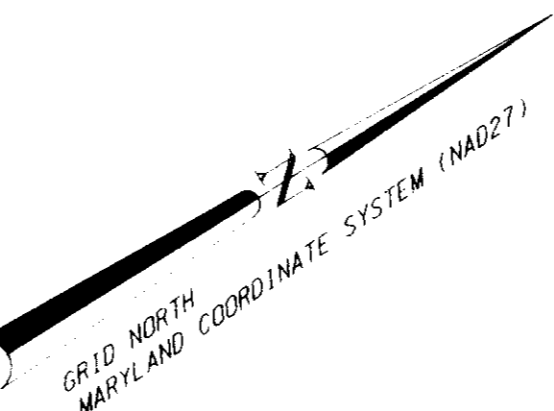


1/98	1	MOVE UNDERGROUND STORAGE TANKS
DATE:	NUMBER	REVISION DESCRIPTION
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
<i>Cathy P...</i>		10/1/97
CITY DEVELOPMENT ENGINEERING DIVISION		
<i>Candy Hamilton</i>		10/28/97
CHIEF DIVISION OF LAND DEVELOPMENT		
<i>Mark J. J...</i>		10/28/97
DIRECTOR		
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT		
<i>Joseph M. Boydland</i>		10/15/97
COUNTY HEALTH DEPARTMENT		
OWNER FREESTATE ASSOCIATES LIMITED PARTNERSHIP 461 5TH AVE. 23rd FLOOR NEW YORK, NEW YORK 10017 ATTN: MR. PAUL GOTTFWALD PHONE: (212) 779-0408		
DEVELOPER/APPLICANT EXXON CORPORATION 630' IVY LANE SUITE 700 GREENBELT, MARYLAND 20770 ATTN: MR. ROBERT CASERIA PHONE: (301) 513 7511		
SDP# 97-121		
FREDERICK WARD ASSOCIATES INC. ENGINEERS ARCHITECTS SURVEYORS 5 SOUTH MAN STREET BAL. AN. MARYLAND 21014 (410) 79-2090 P.A. JOB NUMBER 94053.01 1/4" DRAWING FULL NAME COORDINON CENSUS TRACT NO. 6069.02 WATER CODE: C04 SE MI R CODE: 5090000 TAX MAP 47 PARCEL 142 D 6TH. ELECTION DISTRICT HOWARD COUNTY, MARYLAND TITLE FOR AN EXXON STATION AT ROUTE 1 & GORMAN RD LOT D, GRID 17 SITE GRADING PLAN DESIGN BY: JWB SCALE: 1" = 30' PROJECT NO.: DRAWN BY: LCF/JJ DATE: 07-23-97 DRAWING NUMBER CHECKED BY: TEW APPROVED: 04 OF 13		

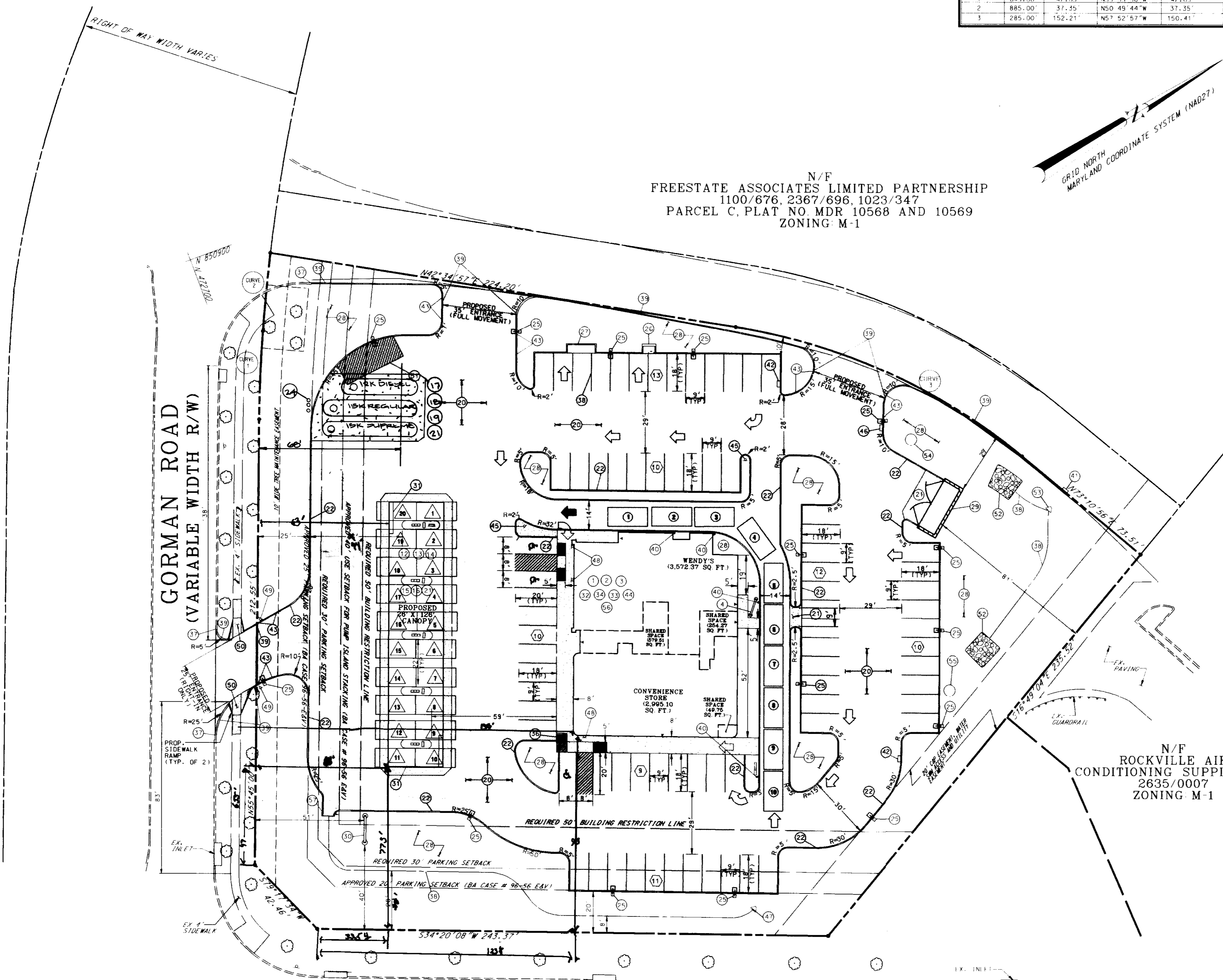
0/22/97

 Timothy F. Whittle
 PROFESSIONAL ENGR. NO. 19155

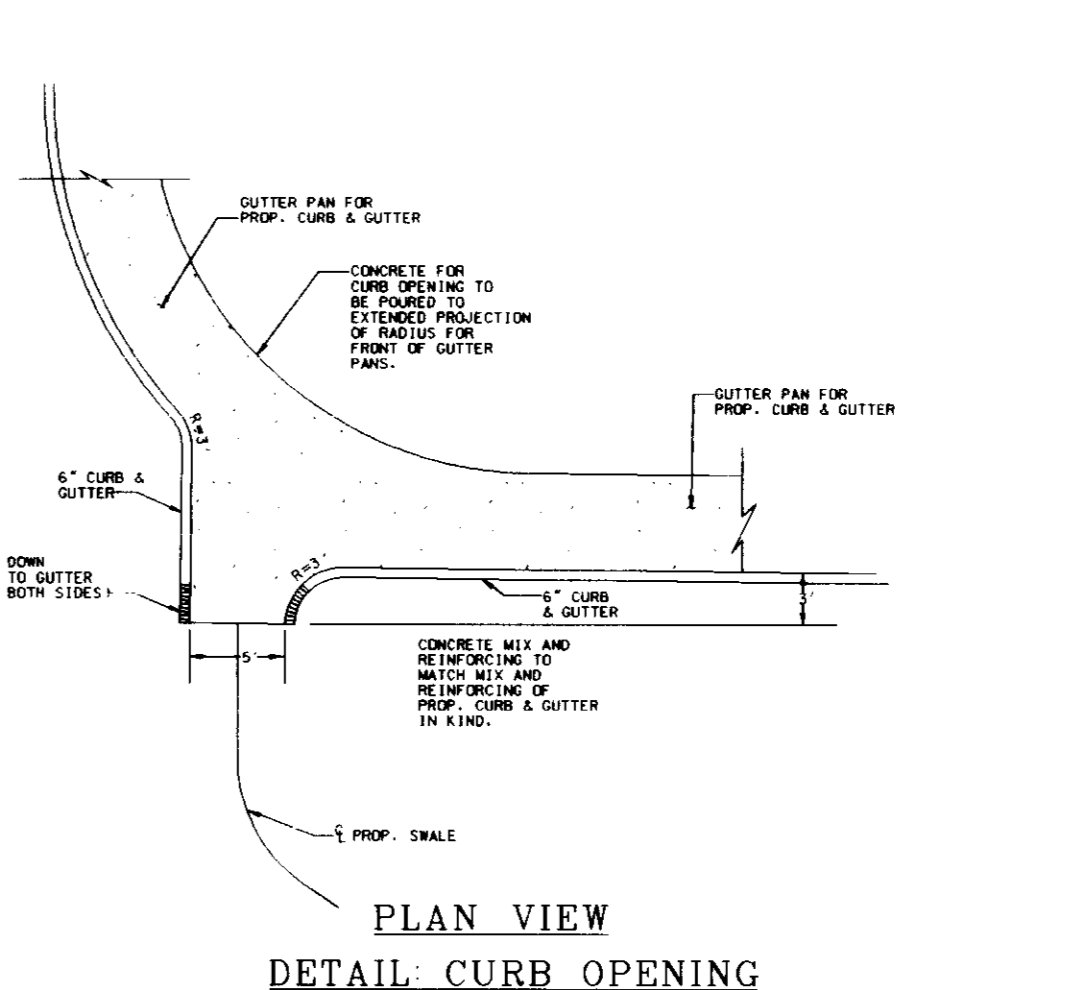
CURVE DATA			
CURV. NO.	RADIUS	ARC LENGTH	CHORD BEARING CHORD LENGTH
1	849.00'	42.05'	N63°53'38"W 42.05'
2	885.00'	37.35'	N50°49'44"W 37.35'
3	285.00'	152.21'	N67°52'57"W 150.41'



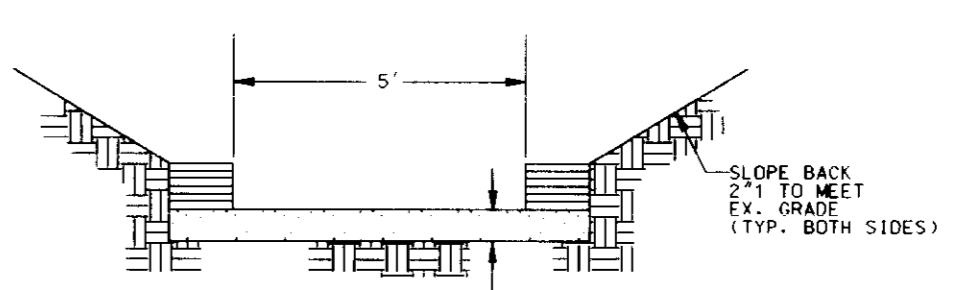
N/F
 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 1100/676, 2367/696, 1023/347
 PARCEL C, PLAT NO. MDR 10568 AND 10569
 ZONING M-1



GENERAL NOTES		ITEM NUMBER	DESCRIPTION	DATE
18	GC	ENTIRELY PROPOSED PAVING	7006 G	
19	GC	VAPOR RECOVERY SYSTEM (STAGE 1 AND 11)		
20	GC	UN-SLIT ASPHALT PAVING PER EXCON SPECIFICATIONS (10" DEPTH) PER EXCON ENGINEER		
21	GC	CONCRETE WALK REBAR 1/2" O.C. EACH WAY		
22	GC	6" CURB WITH 1/2" GUTTER		
23	GC	INSTALL (3) HANDICAPPED PARKING SPACES		
24	GC	1 1/2" VENT PIPES	7006 G	
25	GC	1 1/2" NEW VENT LIGHTS, FIXTURES & HOLES		
26	GC	AIR/WATER WITH INFORMATION SIGN (NO LIGHT)		
27	GC	3"x3"x4" REINFORCED CONCRETE W/CONDUIT FOR PUBLIC TELEPHONES		
28	GC	LANDSCAPE / IRRIGATION		
29	GC	TRASH ENCLOSURE ON 6" REINFORCED CONCRETE SLAB	ARCH. DWG	
30	GC	MAJOR I.D. SIGN		
31	GC	17.11 S.I.P. EXCON I.D. SIGN 33.64 S.I.P. MENDY'S 10.38 S.I.P. ANCILLARY (TODER MARK) 10.38 S.I.P. ARC 1 14.88 S.I.P. PRELIM. 10.38 S.I.P. ARC 2 58.50 S.I.P. DIAL SYSTEM 58.50 S.I.P. TOTAL SYSTEM		
31	FS	CANOPY FASCIA SIGN		
32	GC	BUILDING SAN. SEWER SERVICE TIE INTO EXISTING SAN. SEWER LINE PER EXCON'S FIELD ENGINEER & PER HOWARD COUNTY CODES.		
33	GC	BUILDING 4" WATER SUPPLY PER EXCON'S FIELD ENGINEER & PER HOWARD COUNTY CODES.		
34	GC	BUILDING ELECTRICAL & TELEPHONE SERVICE ROUTE UNDERGROUND PER EXCON'S FIELD ENGINEER & PER HOWARD COUNTY D.P.W. CODES.		
35	GC	HANDICAP RAMP PER COUNTY CODES.		
36	GC	MATCH EXISTING CURB AND GUTTER FOR GRADE AND LOCATION	SHEET 4 OF 13	
37	GC	CENTERLINE PROP. SWALE 1/2" DITCH PER SHT. 8 OF 13		
38	GC	OFF SITE CURB AND GUTTER PER HOWARD COUNTY STANDARDS		
39	GC	BOLLARDS		
40	GC	DOUBLE TYPE 'S' COMBINATION INLET	HO.CO.SD. R.4.30	
41	GC	10" TRANSITION FROM HO. CO. STD. CURB & GUTTER TO EXCON STD. CURB & GUTTER		
42	GC	4" METAL I.A.W. HO. CO. SIDS (INSIDE STORE)	HO.CO.SD.	
43	GC	12" STOP SIGN I.A.W. MUTCD, LATEST EDITION	HO.CO.SD. R.4.32	
44	GC	TYPE 'S' COMBINATION INLET	HO.CO.SD. R.4.33	
45	GC	12" CONCRETE END SECTION	HO.CO.SD. R.4.35	
46	GC	HANDICAP PARKING SIGN	SHEET 3 OF 13	
47	GC	21" DO NOT ENTER SIGN	SHEET 3 OF 13	
48	GC	4" SIDEWALK AND SIDEWALK RAMP	SHEET 4 OF 13	
49	GC	1 1/2" VENT PIPES		
50	GC	1 1/2" VENT LIGHTS, FIXTURES & HOLES		
51	GC	CONCRETE WALK REBAR 1/2" O.C. EACH WAY		
52	GC	6" CURB WITH 1/2" GUTTER		
53	GC	CONCRETE CURB CUT WITH CHANNEL TO PROP. SWALE	SHEET 3 OF 13	



PLAN VIEW
 DETAIL CURB OPENING



SECTIONAL VIEW
 DETAIL CURB OPENING

GENERAL SITE LAYOUT NOTES

- CONTRACTOR AND SUPERVISOR SHALL VERIFY PROPERTY CORNERS TO THEIR SATISFACTION PRIOR TO BEGINNING SITE LAYOUT.
- LOCATION OF PRECAST FOR ELECTRIC TRANSFORMER TO BE COORDINATED BETWEEN BOE AND THE EXCON FIELD ENGINEER.
- ON-SITE CURBING SHALL HAVE REVERSE GUTTER PANS WHERE GRADES DRAIN AWAY FROM CURBING. SEE GRADING PLAN ON SHEET 4.
- [Symbol] INDICATES VEHICLE STACKING FOR DRIVE THROUGH (10 SPACES)
- SEE SITE UTILITY AND PIPING PLAN, SHEET 5, FOR LOCATION OF EXISTING UNDERGROUND UTILITIES AND PROPOSED STRUCTURES NOT LOCATED ON THIS SHEET (ELECTRICAL, VALVES, ETC.)
- DIMENSIONS TO INLETS, MANHOLES, AND OTHER DRAINAGE STRUCTURES ARE TO THE CENTER OF THESE STRUCTURES.
- VENT LIGHTS TO BE SET MINIMUM 2'-6" BEHIND BACK OF CURB TO FACE OF PAVEMENT. THIS SETBACK SHALL OVERLAP APPROXIMATE LAYOUT DIMENSIONS SHOWN ON THESE PLANS.
- MAN ENTRANCES TO BE LOCATED WHERE SHOWN ON BUILDING. DESIGNATES LOCATION ALL RESTROOM ENTRANCES TO BE UTILIZED BY HANDICAPPED PERSONS.
- PROPOSED TELEPHONE PAD DIMENSIONS TO BE ADJUSTED AS NECESSARY IN THE FIELD TO ACCOMMODATE PROPOSED SITE CONDITIONS. CONTRACTOR SHALL COORDINATE NUMBER OF TELEPHONES WITH EXCON ENGINEER DUE TO FIELD MODIFICATION. IT IS RECOMMENDED EXCON ENGINEER CHECK INTO THE POSSIBILITY OF HAVING THE TELEPHONE(S) PROGRAMMED SO AS NOT TO RECEIVE INCOMING CALLS.
- NO CURB AND GUTTER IS PROPOSED TO BE INSTALLED NORTHWEST OF 1+4 (ITEM 11) ALONG DRIVE.
- [Symbol] INDICATES PEDESTRIAN ACCESS TO BUILDING, TELEPHONES, AIR/WATER UNIT. THESE ARROWS DO NOT NEED TO BE PAINTED ON PAVEMENT.
- [Symbol] INDICATES DRIVE-THROUGH DIRECTION. THESE ARROWS NEED TO BE PAINTED ON PAVEMENT.
- [Symbol] INDICATES FUELING AND STACKING SPACES AT PUMPS.

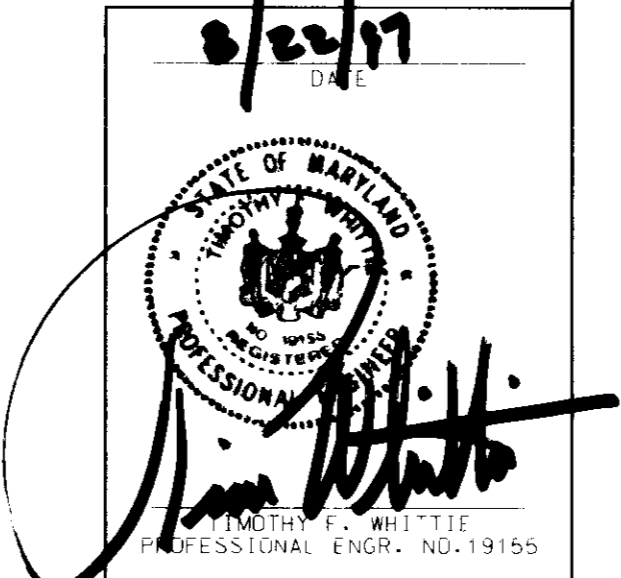
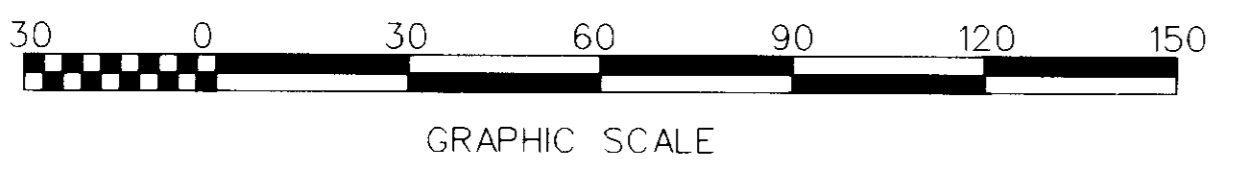
DATE	NUMBER	REVISION DESCRIPTION
		MOVE UNDERGROUND STORAGE TANKS
APPROVED:		DEPARTMENT OF PLANNING AND ZONING
		CHIEF DEVELOPMENT ENGINEERING DIVISION
		CHIEF DIVISION OF LAND DEVELOPMENT
		DIRECTOR
APPROVED:		FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
		HOWARD COUNTY HEALTH DEPARTMENT

OWNER
 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 461 5th AVE.
 23rd FLOOR
 NEW YORK, NEW YORK 10011
 ATTN: MR. PAUL GOTTWALD
 PHONE: (212) 719-0408

DEVELOPER/APPLICANT
EXCON CORPORATION
 6301 Ivy Lane
 SUITE 700
 GREENBELT, MARYLAND 20770
 ATTN: MR. ROBERT CASERTA
 PHONE: (301) 513-7511

FREDERICK WARD ASSOCIATES INC.
 ENGINEERS ARCHITECTS SURVEYORS
 5 SOUTH MAIN STREET BEL AIR, MARYLAND 21034 (410) 679 2090
 FAX: (410) 679 2090
 FWA JOB NUMBER 9805301 FWA DRAWING FILE NAME CDSTE.DGN
 CENSUS TRACT NO. 6060.02 WATER CODE: 204
 SEWER CODE: 50930002
 TAX MAP 47 PARCEL 142 D
 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 TITLE
 FOR AN EXCON STATION AT
 ROUTE 1 & GORMAN RD
 LOT D, GRID 17
 SITE LAYOUT PLAN

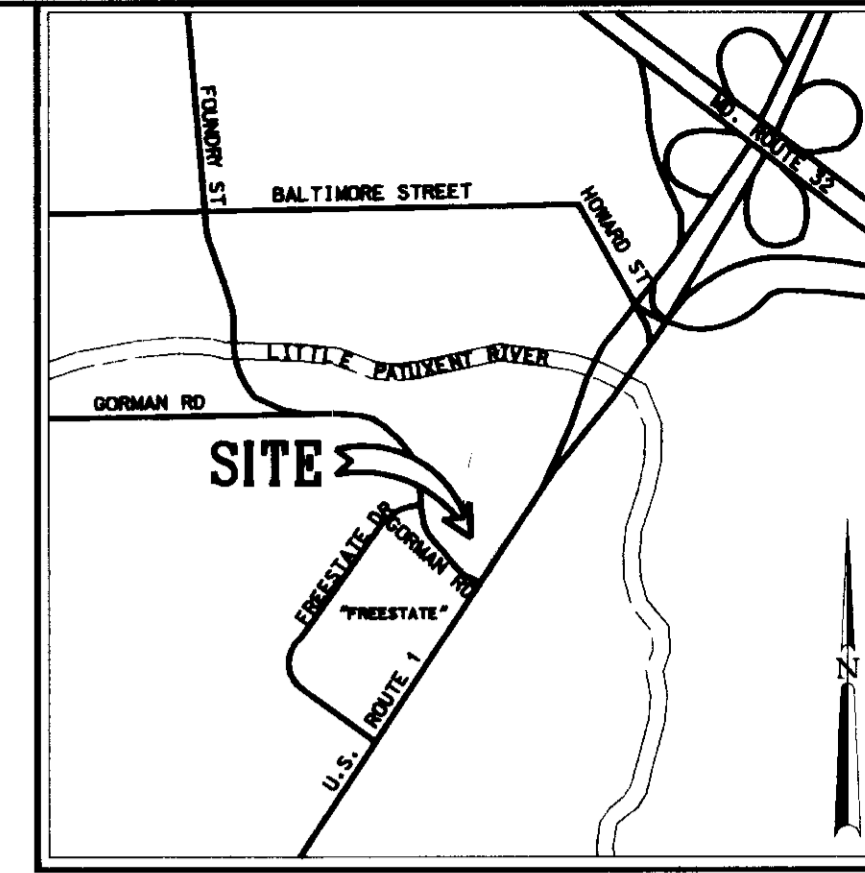
DESIGN BY: JBG	SCALE: 1" = 30'	PROJECT NO.:
DRAWN BY: ICF	DATE: 07 25 1997	DRAWING NUMBER
CHECKED BY: TEW	APPROVED:	03 OF 13



SDP# 97-121

GENERAL INFORMATION

1. SITE SOILS:
ALDINO SILT LOAM (AdB2)
HOWARD COUNTY SOIL SURVEY MAP 34
HYDROLOGIC GROUP C
2. STORMWATER QUANTITY MANAGEMENT: PROVIDED FOR BY WAY OF A REGIONAL SWM FACILITY (POND #2: F-92-74)
3. STORMWATER QUALITY MANAGEMENT: PROPOSED TO BE PROVIDED FOR BY WAY OF STORMCEPTORS.



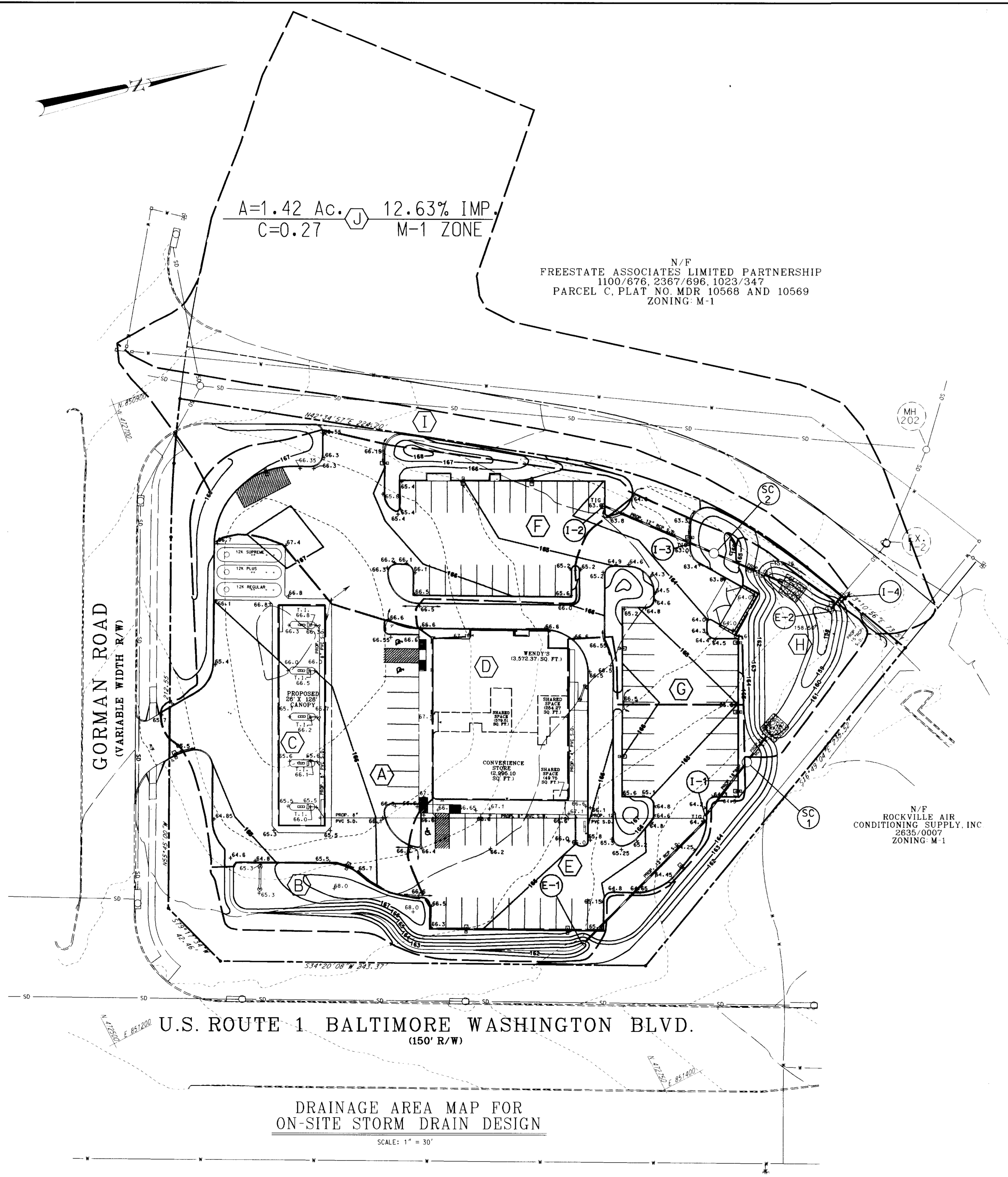
VICINITY MAP
SCALE: 1" = 2000'

A=1.42 Ac. 12.63% IMP.
C=0.27 M-1 ZONE

N/F
FREESTATE ASSOCIATES LIMITED PARTNERSHIP
1100/876, 2367/696, 1023/347
PARCEL C, PLAT NO. MDR 10568 AND 10569
ZONING: M-1

AREA AND "C" FACTOR TABULATION

INLET #	ZONING	SUBAREA	AREA (ac)	"C" FACTOR	% IMPERVIOUS
NO INLET	M-1	A	0.46	0.80	91.16
SWALE	M-1	B	0.13	0.19	-0-
C.O. 3	M-1	C	0.07	0.86	100.00
C.O. 3	M-1	D	0.16	0.86	100.00
I-1	M-1	E	0.43	0.75	83.44
I-2	M-1	F	0.39	0.73	81.05
I-3	M-1	G	0.24	0.77	86.21
SWALE	M-1	H	0.11	0.19	-0-
I-4	M-1	I	0.29	0.68	72.86



GORMAN ROAD
(VARIABLE WIDTH R/W)

U.S. ROUTE 1 BALTIMORE WASHINGTON BLVD.
(150' R/W)

DRAINAGE AREA MAP FOR
ON-SITE STORM DRAIN DESIGN

SCALE: 1" = 30'

N/F
ROCKVILLE AIR
CONDITIONING SUPPLY, INC
2635/0007
ZONING: M-1

DATE: NUMBER REVISION DESCRIPTION
APPROVED: DEPARTMENT OF PLANNING AND ZONING
Chad Dammicus 10/1/97
CHIEF DEVELOPMENT ENGINEERING DIVISION DATE
Cindy Haratta 10/25/97
CHIEF DIVISION OF LAND DEVELOPMENT DATE
Marsha S. L. Layell 10/28/97
DIRECTOR DATE

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

Joyce M. Boyd 10/15/97
COUNTY HEALTH OFFICER DATE

OWNER
FREESTATE ASSOCIATES LIMITED PARTNERSHIP
461 5th AVE.
23rd FLOOR
NEW YORK, NEW YORK 10017
ATTN.: MR. PAUL GOTTWALD
PHONE: (212) 779-0408

DEVELOPER/
APPLICANT **EXXON CORPORATION**
6301 IVY LANE
SUITE 700
GREENBELT, MARYLAND 20770
ATTN: MR. ROBERT CASERTA
PHONE: (301)-513-7530

FREDERICK WARD ASSOCIATES INC.
ENGINEERS ARCHITECTS SURVEYORS
5 SOUTH MAIN STREET BEL AIR, MARYLAND 21014 (410) 819 2090
RAS # 2-0340 FWA JOB NUMBER 96053.01 FWA DRAWING FILE NAME: CDRAWIS.DGN

CENSUS TRACT NO. 6069.02 WATER CODE: C04
SEWER CODE: 5090000

TAX MAP 47 PARCEL 142/D
6th. FICTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE FOR AN EXXON STATION AT
ROUTE 1 & GORMAN RD
LOT D, GRID 17
DRAINAGE AREA MAPS, S.C./S.D. INFORMATION

DESIGN BY: JBG SCALE: 1" = 30' PROJECT NO.:
DRAWN BY: LCF DATE: 07/01/1997 DRAWING NUMBER
CHECKED BY: TFW APPROVED: 13 OF 13

0/24/97
DATE
Timothy P. Whittle
TIMOTHY P. WHITTLE
PROFESSIONAL ENCR. NO. 19155

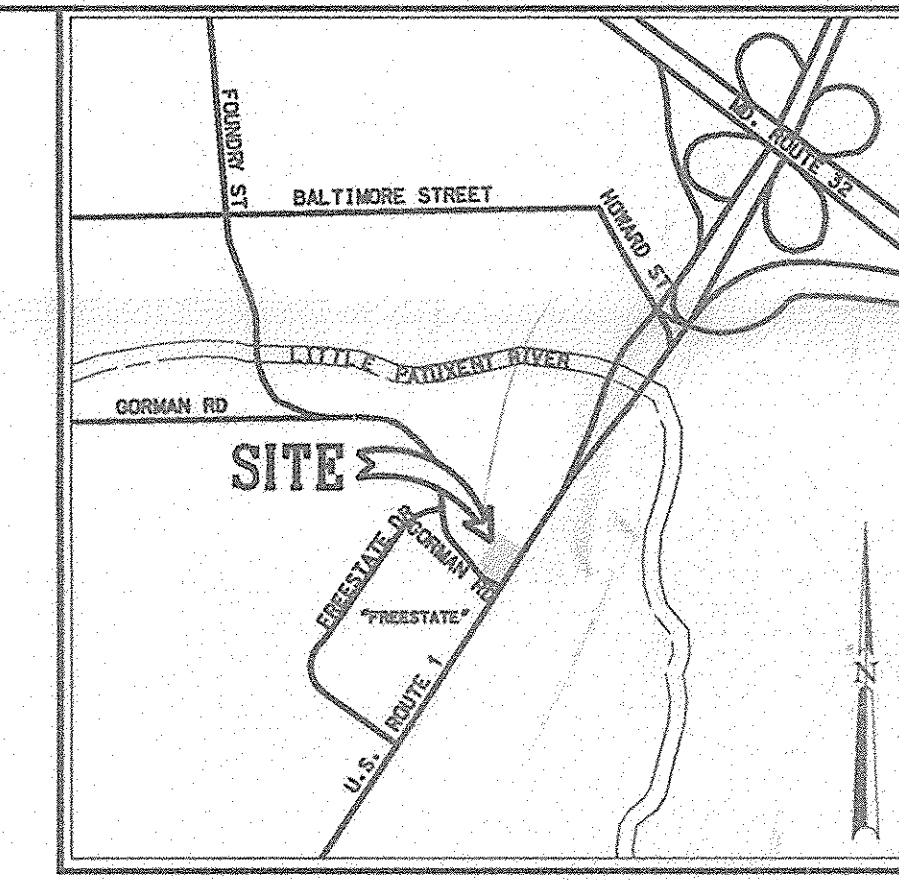
SOP# 97-121
PLANNING BOARD APPROVAL

PROJECTS:\96053\ENR\CDRAWIS.DGN 06/97

SDP97-121

GENERAL INFORMATION

1. SITE SOILS: ALDINO SILT LOAM (Adb2)
HOWARD COUNTY SOIL SURVEY MAP 34
HYDROLOGIC GROUP C
2. STORMWATER QUANTITY MANAGEMENT: PROVIDED FOR BY WAY OF A REGIONAL SWM FACILITY (POND #2: F-92-74)
3. STORMWATER QUALITY MANAGEMENT: PROPOSED TO BE PROVIDED FOR BY WAY OF STORMCEPTORS.



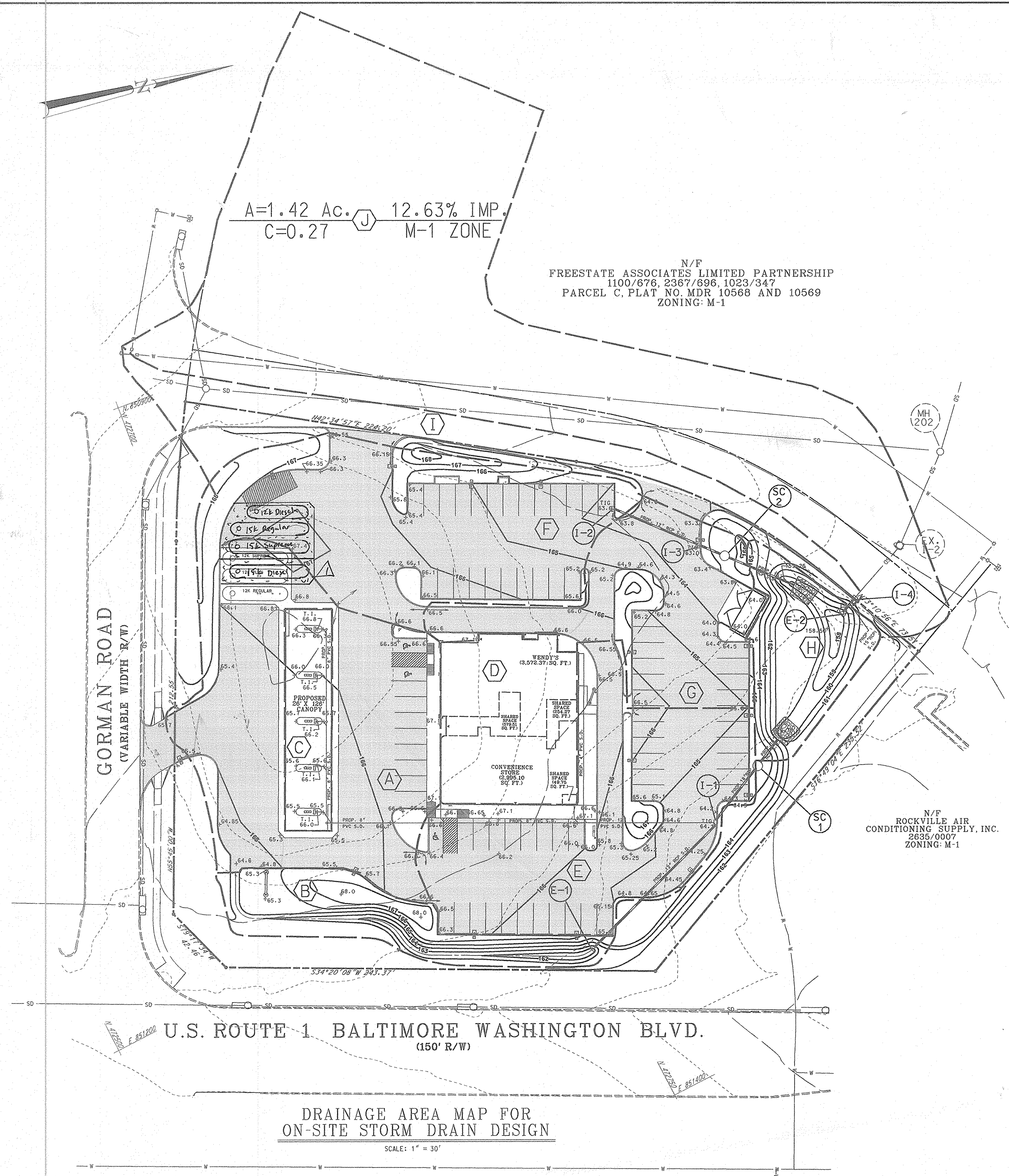
VICINITY MAP
SCALE: 1" = 2000'

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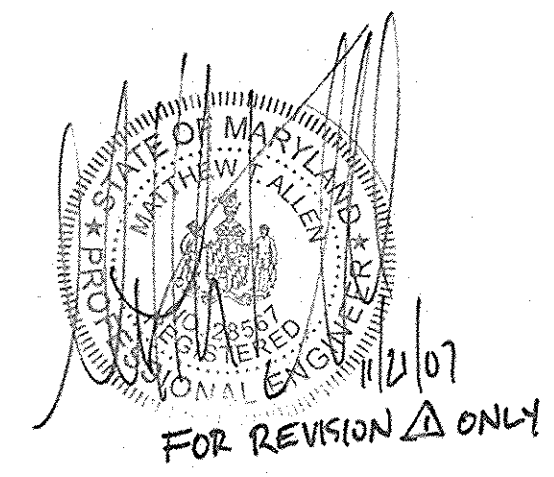
N/F
FREESTATE ASSOCIATES LIMITED PARTNERSHIP
1100/676, 2367/696, 1023/347
PARCEL C, PLAT NO. MDR 10568 AND 10569
ZONING: M-1

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C.O. 3	M-1	D	0.16	0.86	100.00
I-1	M-1	E	0.43	0.75	83.44
I-2	M-1	F	0.39	0.73	81.05
I-3	M-1	G	0.24	0.77	86.21
SWALE	M-1	H	0.11	0.19	-0-
I-4	M-1	I	0.29	0.68	72.86



N/F
ROCKVILLE AIR
CONDITIONING SUPPLY, INC.
2635/0007
ZONING: M-1



FOR REVISION Δ ONLY

Revision #	Revision Date	Description
Δ	11/21/07	Revision to add underground 15k gal gasoline storage tank.

NOTE: CONTRACTOR SHALL EXERCISE CARE IN THE AREA OF EXISTING LANDSCAPE PLANTINGS. DAMAGE TO LANDSCAPE PLANTINGS AS A RESULT OF TANK INSTALLATION SHALL BE REMOVED BY THE DEVELOPER.

SDP# 97-121
PLANNING BOARD APPROVAL

8/22/97
DATE

TIMOTHY F. WHITTIE
PROFESSIONAL ENGR. NO. 19155

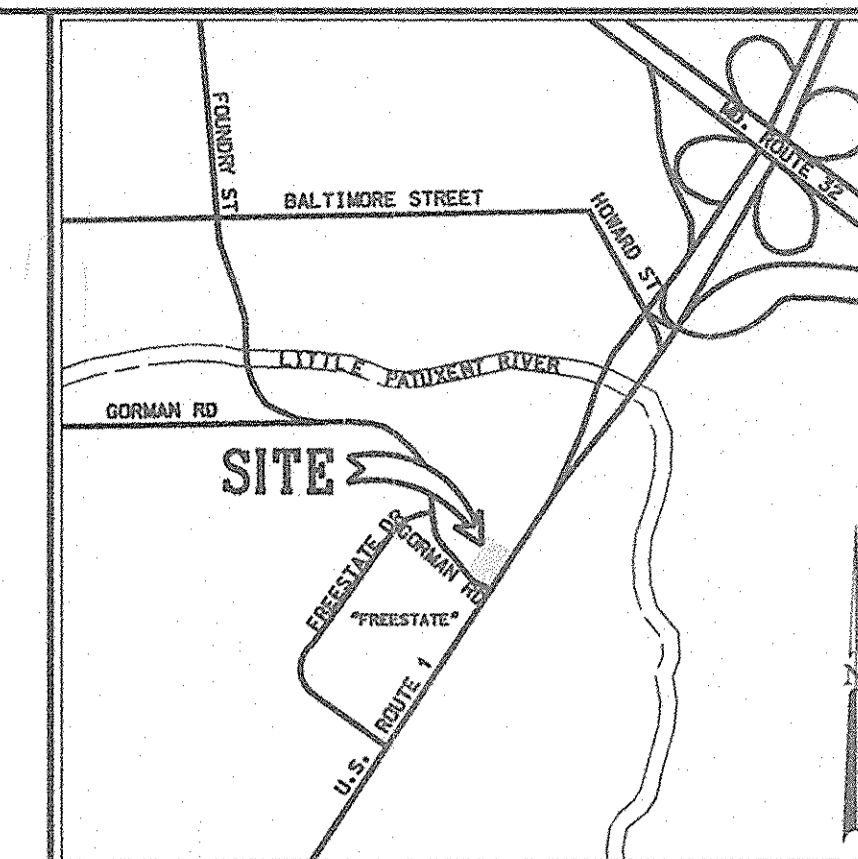
DATE:	NUMBER	REVISION DESCRIPTION
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
<i>Allen P. ...</i>	10/1/97	DATE
CHIEF-DEVELOPMENT ENGINEERING DIVISION		
<i>Clayton Hammett</i>	10/25/97	DATE
CHIEF-DIVISION OF LAND DEVELOPMENT		
<i>marsh ...</i>	10/28/97	DATE
DIRECTOR		
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.		
<i>Joyce M. Boyd</i>	10/15/97	DATE
COUNTY HEALTH OFFICER		
OWNER		
FREESTATE ASSOCIATES LIMITED PARTNERSHIP 461 5th AVE. 23rd FLOOR NEW YORK, NEW YORK 10017 ATTN.: MR. PAUL GOITWALD PHONE: (212) 779-0408		
DEVELOPER/ APPLICANT		
EXXON CORPORATION 6301 IVY LANE SUITE 700 GREENBELT, MARYLAND 20770 ATTN: MR. ROBERT CASERTA PHONE: (301)-513-7530		
ENGINEERS ARCHITECTS SURVEYORS		
FREDERICK WARD ASSOCIATES INC. 5 SOUTH MAIN STREET BEL AIR, MARYLAND 21014 (410)875-2030 RAS # 2-0340 FWA JOB NUMBER 96053.01 FWA DRAWING FILE NAME CDRANS.DGN		
CENSUS TRACT NO. 6069.02 WATER CODE: C04 SEWER CODE: 5090000		
TAX MAP 47 PARCEL 142/D 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE FOR AN EXXON STATION AT ROUTE 1 & GORMAN RD LOT D, GRID 17 DRAINAGE AREA MAPS, S.C./S.D. INFORMATION		
DESIGN BY: JBG	SCALE: 1" = 30'	PROJECT NO.:
DRAWN BY: LCF	DATE: 07/01/1997	DRAWING NUMBER
CHECKED BY: TFW	APPROVED:	13 OF 13

**DRAINAGE AREA MAP FOR
ON-SITE STORM DRAIN DESIGN**
SCALE: 1" = 30'

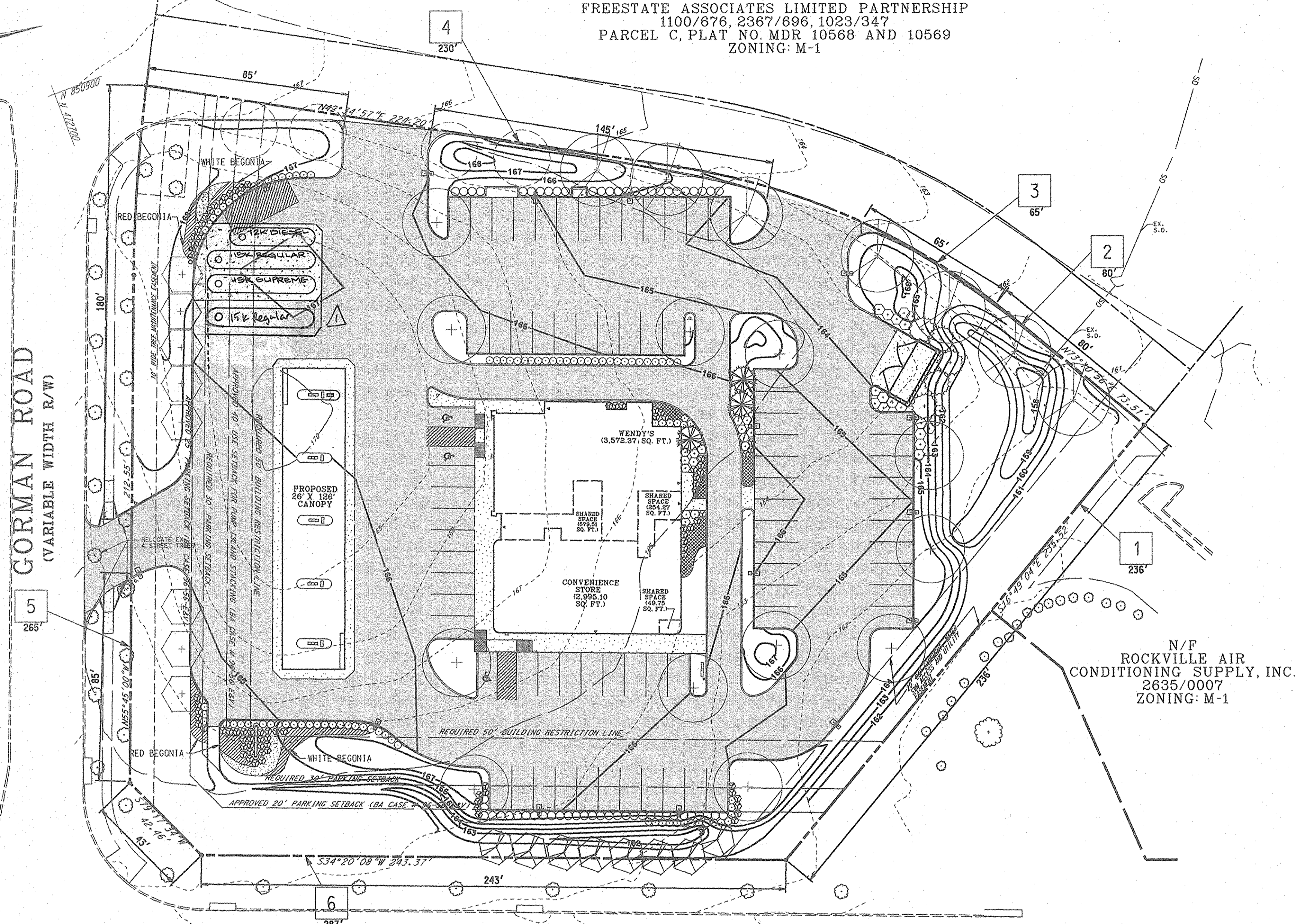
PROJECT'S VARIOUS ENGR. DRAWINGS DGN 06/97

SDP97-121

N/F
 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 1100/676, 2367/696, 1023/347
 PARCEL C, PLAT NO. MDR 10568 AND 10569
 ZONING: M-1



VICINITY MAP
 SCALE: 1" = 200'



LANDSCAPE PLANTINGS

SYMBOL	QUANTITY	BOTANICAL/Common Name	SIZE	REMARKS
○	4	RELOCATED EX. LONDON PLANE TREES FROM GORMAN RD FRONTAGE	APPROX. 4" CAL.	
+	11	TILIA CORDATA LITTLE LEAF LINDEN	2"-2 1/2" CAL. 11'-13" HT.	B & B FULL AS SHOWN
⊗	7	PLATANUS X ACERIFOLIA 'BLOODGOOD' LONDON PLANE TREE	2"-2 1/2" CAL. 12'-14" HT.	B & B FULL 35' O.C.
⊕	8	PRUNUS X YEDGENSIS YOSHINO CHERRY	1 3/4"-2" CAL. 6'-8" HT.	B & B HEAVY 15' O.C.
⊖	8	MALUS SARGENTII SARGENT CRABAPPLE	1 3/4"-2" CAL. 7'-8" HT.	B & B FULL 12' O.C.
⊙	5	PICEA ABIES NORWAY SPRUCE	6'-8" HT.	B & B FULL 10' O.C.
⊛	3	ILEX X NELLIE R. STEVENS NELLIE STEVENS HOLLY	6'-7" HT.	B & B FULL 8' O.C.
○	57	OSMANTHUS HETEROPHYLLUS 'GULF TIDE' FALSE HOLLY	2-2 1/2" HT. 2-2 1/2" SPD.	B & B FULL 3' O.C.
⊙	27	EUONYMUS ALATUS 'COMPACTUS' COMPACT WINGED EUONYMUS	3-4" HT. 3-4 CANES	B & B HEAVY 3 1/2' O.C.
⊙	95	PRUNUS LAUROCEASUS 'OTTO LUYKEN' CHERRY LAUREL	2-2 1/2" HT. 2- 2 1/2" SPRD.	B & B FULL 3' O.C.
⊙	94	JUNIPERUS CHINENSIS 'SARGENTII' 'COMPACTA' DWARF SARGENT JUNIPER	12-15" HT. 18-24" SPD.	B & B FULL 2 1/2' O.C.
⊙	100	TAGETES PATULA 'JANIE GOLD' JANIE GOLD DWARF FRENCH MARIGOLD	4" POT	CONT. FULL 8" O.C.
⊙	200	BEGONIA SEMPERFLORENS-CULTORUM '100 WHITE/100 RED' WAX BEGONIA (BRONZE FOLIAGE)	4" POT	CONT. FULL 8" O.C.
⊙	75	LIRIOPE SPICATA 'BLUE SPIKE' BLUE SPIKE LIRIOPE	1 QT.	CONT. FULL 8" O.C.

N/F
 ROCKVILLE AIR
 CONDITIONING SUPPLY, INC.
 2635/0007
 ZONING: M-1

General Planting Notes

- All plant material shall conform to the sizes given in the plant list and shall be nursery grown in accordance with the USA Standard for Nursery Stock, latest edition.
- All planting shall be in accordance with standard American Association of Nurserymen procedures and specifications.
- Contractor and Owner's Representative shall verify the correct location of all underground utilities in the field prior to installation of any plant materials.
- Plant material location to be staked in the field and approved by the Landscape Architect prior to planting.
- All plant beds and planting areas to be mulched to a depth of 3" unless otherwise noted on drawings or specifications.
- All areas disturbed by planting operations shall be fine graded and sodded.
- Obtain approval from Architect's or Owner's Representative before making any substitutions or changes.
- All plant beds shall be contained with a spaded edge unless otherwise noted on drawings.
- Quantities shown on plant list are for the Contractor's convenience only and are not guaranteed to be accurate. In the event of a discrepancy between quantities shown on the plan and quantities shown on the plant list, the quantities on the plan shall apply.
- This plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and the Landscape Manual.
- Financial surety for the required landscaping must be posted as part of the Developer's Agreement in the amount of \$5600.00, by Exxon.
- Represent proposed relocation of existing trees and bushes.

DATE	NUMBER	REVISION DESCRIPTION
8/25	3	MOVE UNDERGROUND STORAGE TANKS
9/08	2	COUNTY COMMENTS
9/08	2	COUNTY COMMENTS

APPROVED: DEPARTMENT OF PLANNING AND ZONING

William Whittle 10/16/97
 CHIEF DEVELOPMENT ENGINEERING DIVISION DATE

Candy Herndon 10/28/97
 CHIEF DIVISION OF LAND DEVELOPMENT DATE

Frank V. Taylor 10/28/97
 DIRECTOR DATE

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

Joyce M. Boyd 10/15/97
 COUNTY HEALTH OFFICE DATE

OWNER
 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 461 5th AVE.
 23rd FLOOR
 NEW YORK, NEW YORK 10017
 ATTN.: MR. PAUL GOTTFALD
 PHONE: (212) 779-0408

DEVELOPER/
 APPLICANT **EXXON CORPORATION**
 6301 IVY LANE
 SUITE 700
 GREENBELT, MARYLAND 20770
 ATTN: MR. ROBERT CASERTA
 PHONE: (301)-513-7511

FREDERICK WARD ASSOCIATES INC.
 ENGINEERS ARCHITECTS SURVEYORS
 5 SOUTH MAIN STREET BEL AIR, MARYLAND 21014 (410)879-2090
 FWA JOB NUMBER 96053.01 FWA DRAWING FILE NAME COLANDIGNO

CENSUS TRACT NO. 6069.02 WATER CODE: C04
 SEWER CODE: 5090000

TAX MAP 47 PARCEL 142/D
 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE
 FOR AN EXXON STATION AT
 ROUTE 1 & GORMAN RD
 LOT D, GRID 17
LANDSCAPE PLAN

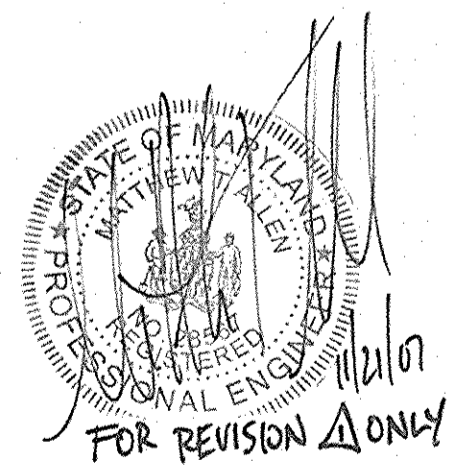
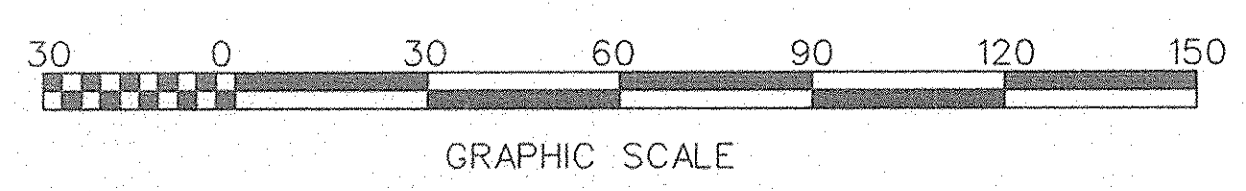
DESIGN BY: JBG SCALE: 1" = 30' PROJECT NO.: 96053
 DRAWN BY: LCF DATE: 06/16/1997 DRAWING NUMBER
 CHECKED BY: TFW APPROVED: 12 OF 13

CATEGORY	ADJ TO PERIMETER PROPERTIES						ADJACENT TO ROADWAYS					
	1	2	3	4	5	6	1	2	3	4	5	6
LANDSCAPE TYPE	A	E	D	E	E	E						
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	236'	80'	65'	230'	265'	287'						
CREDIT FOR EXISTING VEGETATION (YES, NO LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NONE	NONE	NONE	NONE	NONE	NONE						
CREDIT FOR WALL, FENCE OR BERM (YES, NO LINEAR FEET) (DESCRIBE BELOW IF NEEDED)												
NUMBER OF PLANTS REQUIRED	4	2	1.1	5.0	7	7.1						
SHADE TREES	0	0	6	0	0	0						
EVERGREEN TREES	0	20	0	57	67	72						
SHRUBS	0	0	0	0	0	0						
NUMBER OF PLANTS PROVIDED	4	2	2	6	3	3						
SHADE TREES	0	0	0	0	0	0						
EVERGREEN TREES	0	0	0	0	0	0						
OTHER TREES (2:1 SUBSTITUTION)	0	0	0	0	0	0						
SHRUBS (10:1 SUBSTITUTION)	0	0	0	0	0	0						
(DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)												

NUMBER OF PARKING SPACES	75
NUMBER OF TREES REQUIRED	4
NUMBER OF TREES PROVIDED	6
SHADE TREES	
OTHER TREES (2:1 SUBSTITUTION)	

REVISION #	REVISION DATE	DESCRIPTION
Δ	4/21/07	Revision to add additional 15k gal underground gasoline storage tank.

NOTE: CONTRACTOR TO EXERCISE CARE IN THE AREA OF EXISTING LANDSCAPE PLANTINGS. DAMAGE TO LANDSCAPE PLANTINGS AS A RESULT OF TANK INSTALLATION SHALL BE REMOVED BY THE DEVELOPER.

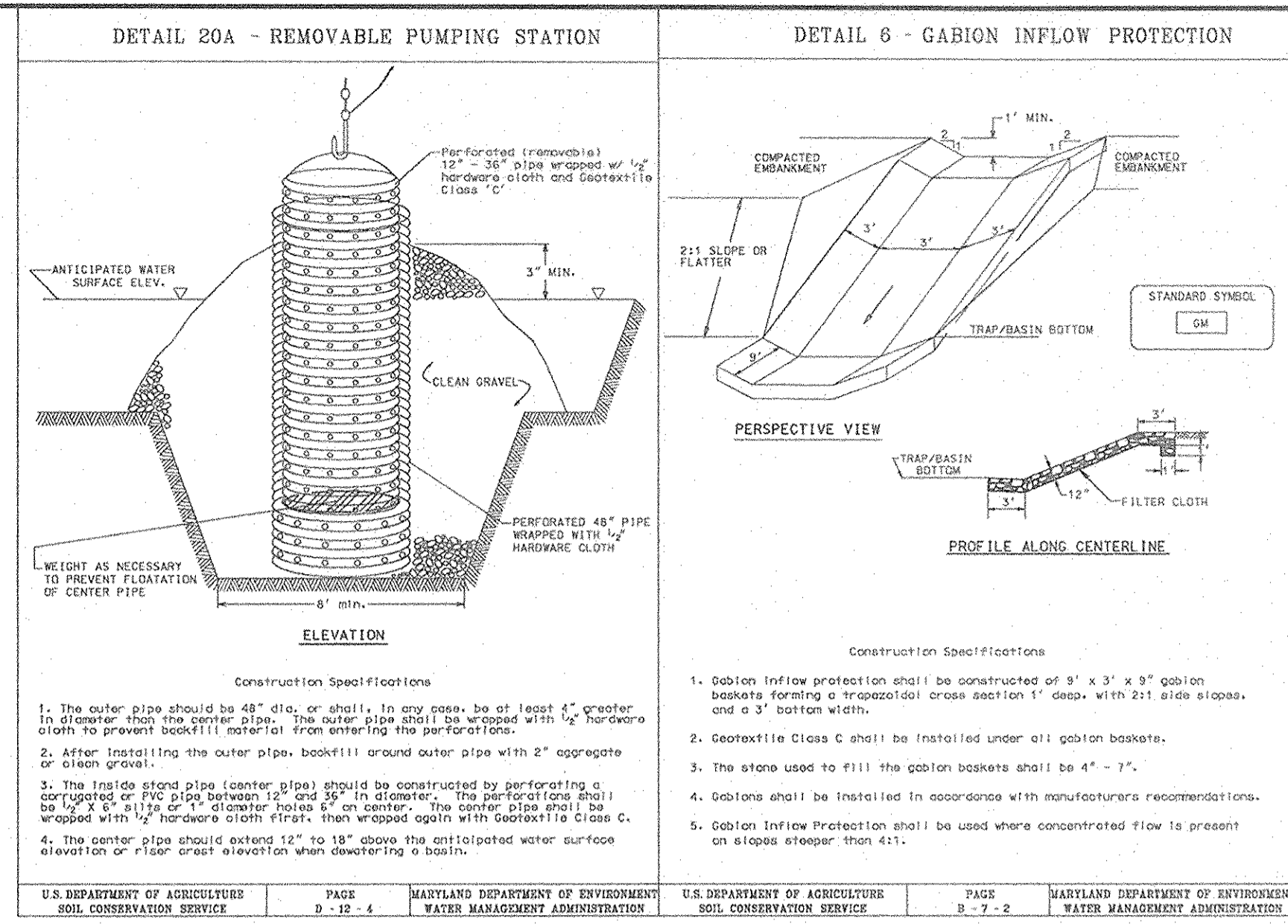


9/8/97 DATE

William Whittle
 WILLIAM F. WHITTLE
 PROFESSIONAL ENGR. NO. 19155

SDP# 97-121
 PLANNING BOARD APPROVE

N/F
 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 1100/876, 2367/696, 1023/347
 PARCEL C, PLAT NO. MDR 10568 AND 10569
 ZONING: M-1



STONE OUTLET SEDIMENT TRAP INFORMATION

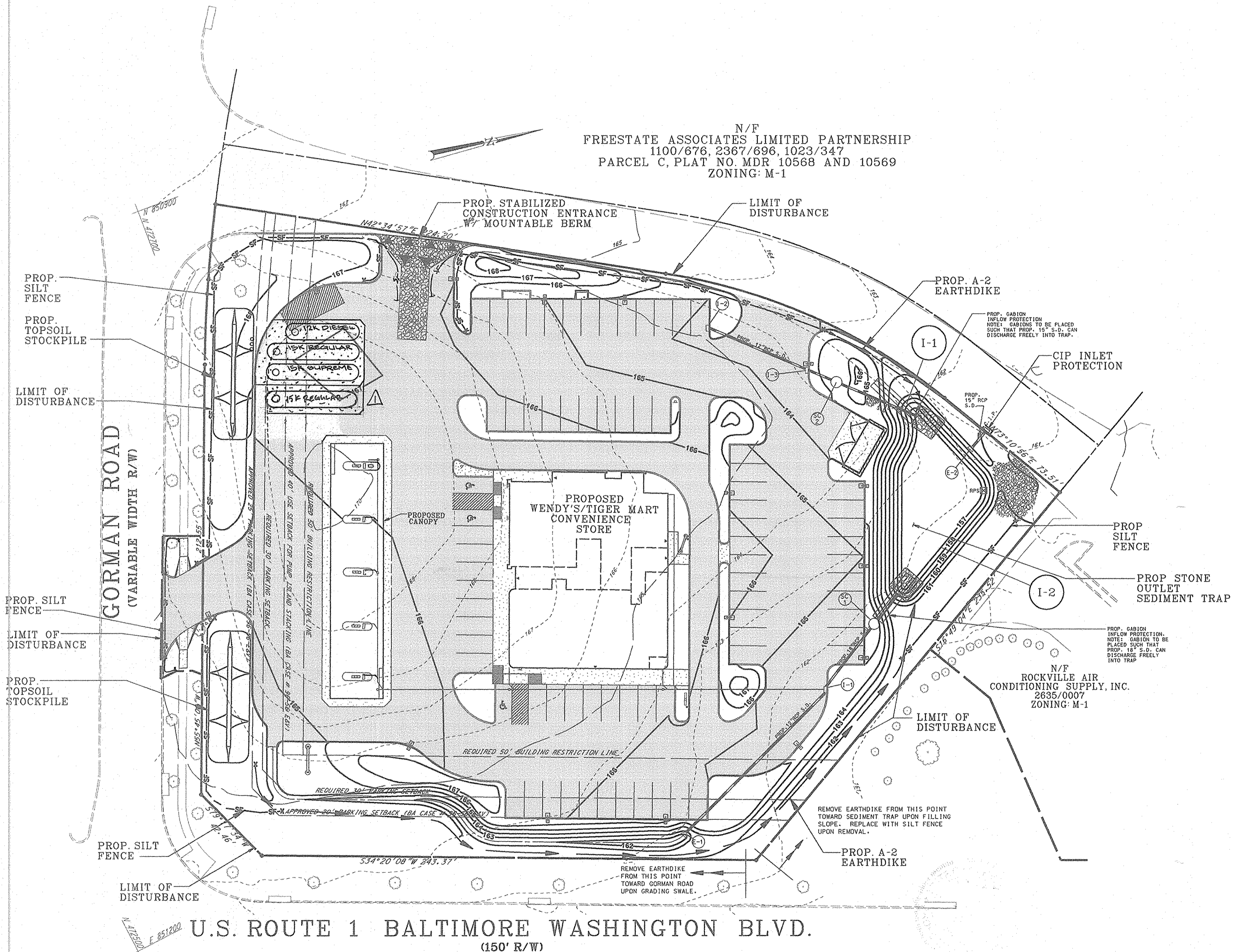
- TYPE OF TRAP: ST-II
 - DRAINAGE AREA: 1.99 Ac.
 - REQUIRED STORAGE: 7,164 CF
 - PROVIDED STORAGE: 7,164 CF
 - WEIR LENGTH: 8'
 - DRY STORAGE DEPTH: 1.1' (3,582 CF)
 - WET STORAGE DEPTH: 1.4' (3,582 CF)
 - WET STORAGE ELEVATION: 159.4 = OUTLET ELEVATION
 - CLEANOUT ELEV.: 158.7
 - TOP EMBANKMENT ELEV.: 161.50
 - HEIGHT OF EMBANKMENT: 1.0'
 - BOTTOM ELEV.: 158.0
 - CREST ELEV.: 160.5
- NOTE: UPON CONVERSION TO V-DITCHES, SEE SHEET 4 FOR FINAL ELEVATION.

SEQUENCE OF OPERATIONS

- OBTAIN HOWARD COUNTY GRADING PERMIT.
- NOTIFY HOWARD COUNTY AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. PHONE (410) 313-1855.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE WITH MOUNTABLE BERM. (WEEK 1)
- INSTALL PERIMETER SEDIMENT CONTROL MEASURES IN THE FOLLOWING ORDER:
 - STONE OUTLET SEDIMENT TRAP. REMOVE EX. INLET. BLOCK EX. 15' CMP.
 - EARTH DIKES AS INDICATED ON PLANS. (WEEK 1)
 - SILT FENCE AS INDICATED ON PLANS. (WEEK 1)
- STRIP TOPSOIL. STOCKPILE TOPSOIL TO REMAIN, AND STABILIZE WITH SEED AND MULCH. REMAINING TOPSOIL SHALL BE HAULED OFFSITE AND DEPOSITED IN AN AREA COVERED UNDER AN APPROVED AND ACTIVE GRADING PERMIT. (WEEK 2)
- INSTALL TANKFIELD AND ROUGH GRADE SITE. PERFORM REMAINING DEMOLITION. (WEEK 4)
- INSTALL STORM DRAIN, WATER AND SEWER UTILITIES. INSTALL INLET PROTECTION DEVICE ON 1-4. (WEEK 4)
- GRADE DITCH ALONG EAST SIDE OF SITE, REMOVING EARTH DIKE WITHIN LIMITS INDICATED WHILE DITCH IS BEING GRADED. EARTH DIKE CAN ONLY BE REMOVED AFTER RECEIVING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR. (WEEK 5)
- INSTALL CURB AND GUTTER. (WEEK 6)
- CONSTRUCT BUILDING, CANOPY, AND PUMPS. (WEEK 7)
- COMPLETE INSTALLATION OF SITE AMENITIES. FINISH GRADE SITE, REMOVING SEDIMENT CONTROL MEASURES AS NEEDED, AND ONLY AFTER RECEIVING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR. (WEEK 15)
- INSTALL LANDSCAPING. (WEEK 16)
- CLEAN OUT STORM DRAIN SYSTEM. BACKFILL SEDIMENT TRAP BY REMOVING WET SOIL IN AND AROUND THE TRAP AND REPLACING IT WITH COMPACTIBLE MATERIAL. INSTALL STORMCEPTORS. COMPLETE STORM DRAIN AND STORM DRAIN OUTFALL CONSTRUCTION AS NEEDED. UNBLOCK 15' CMP (WEEK 17)
- REMOVE ANY REMAINING SEDIMENT CONTROL MEASURES AFTER RECEIVING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR. (WEEK 18)

NOTE: THE ABOVE SEQUENCE MAY BE MODIFIED AS LONG AS THE INTEGRITY AND INTENTION OF THE SEDIMENT CONTROL PLAN IS NOT COMPROMISED AND THE CONTRACTOR RECEIVES PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR.

NOTE:
 THIS PLAN FOR SEDIMENT CONTROL USE ONLY



DATE	NUMBER	REVISION DESCRIPTION
10/1/97	1	MOVE UNDERGROUND STORAGE TANKS
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
[Signature]		DATE
[Signature]		DATE
[Signature]		DATE
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.		
[Signature]		DATE

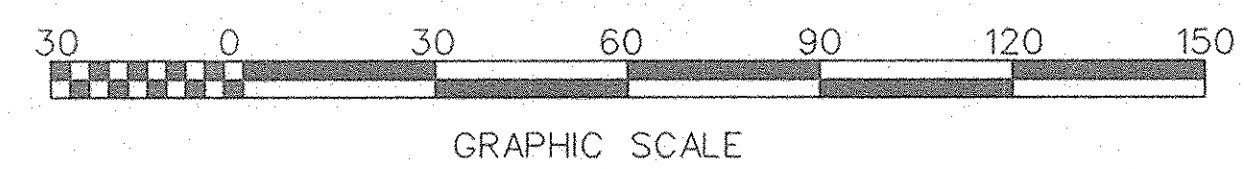
BY THE ENGINEER:
 "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS, AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY PRESERVATION DISTRICT."
 [Signature] DATE

BY THE DEVELOPER:
 "I HAVE CERTIFIED 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 THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD COUNTY PRESERVATION DISTRICT."
 [Signature] DATE

REVIEWED FOR HOWARD S.C.D. & MEETS TECHNICAL REQUIREMENTS.
 [Signature] DATE
 U.S. NATURAL RESOURCES CONSERVATION SERVICE
 THIS DEVELOPMENT PLAN IS AS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY PRESERVATION DISTRICT.
 [Signature] DATE
 OWNER: HOWARD S.C.D. DATE
 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 4615 5th AVE.
 2310 FLOOR
 NEW YORK, NEW YORK 10017
 ATTN: MR. PAUL GOTTFELD
 PHONE: (212) 779-0408

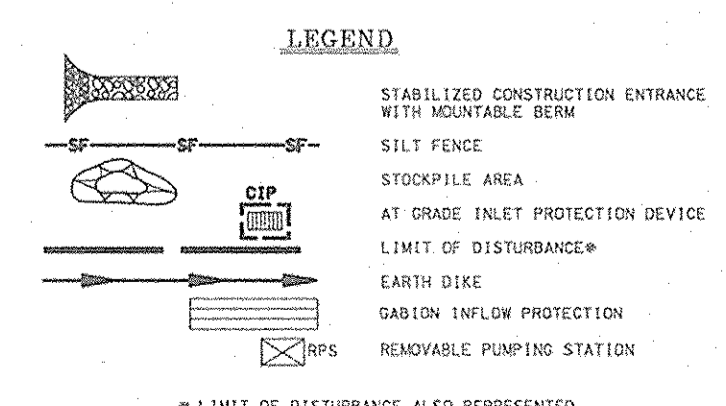
DEVELOPER/APPLICANT: **EXON CORPORATION**
 6301 IVY LANE
 SUITE 700
 GREENBELT, MARYLAND 20770
 ATTN: MR. ROBERT CASERTA
 PHONE: (301)-513-7511

FREDERICK WARD ASSOCIATES INC.
 ENGINEERS ARCHITECTS SURVEYORS
 3 SOUTH MAIN STREET BEL AIR, MARYLAND 21014 (410)879-2090
 FWA JOB NUMBER 96053.01 FWA DRAWING FILE NAME COSSEERDON
 CENSUS TRACT NO. 6069.02 WATER CODE: SEWER CODE:
 TAX MAP 47 PARCEL 142/D
 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 FOR AN EXON STATION AT
 ROUTE 1 & GORMAN RD
 LOT D, GRID 17
SEDIMENT AND EROSION CONTROL PLAN
 DESIGN BY: JRG SCALE: 1"=30' PROJECT NO.: 93397-01
 DRAWN BY: LCF DATE: 06/16/97 DRAWING NUMBER
 CHECKED BY: TEW APPROVED: 6 OF 13

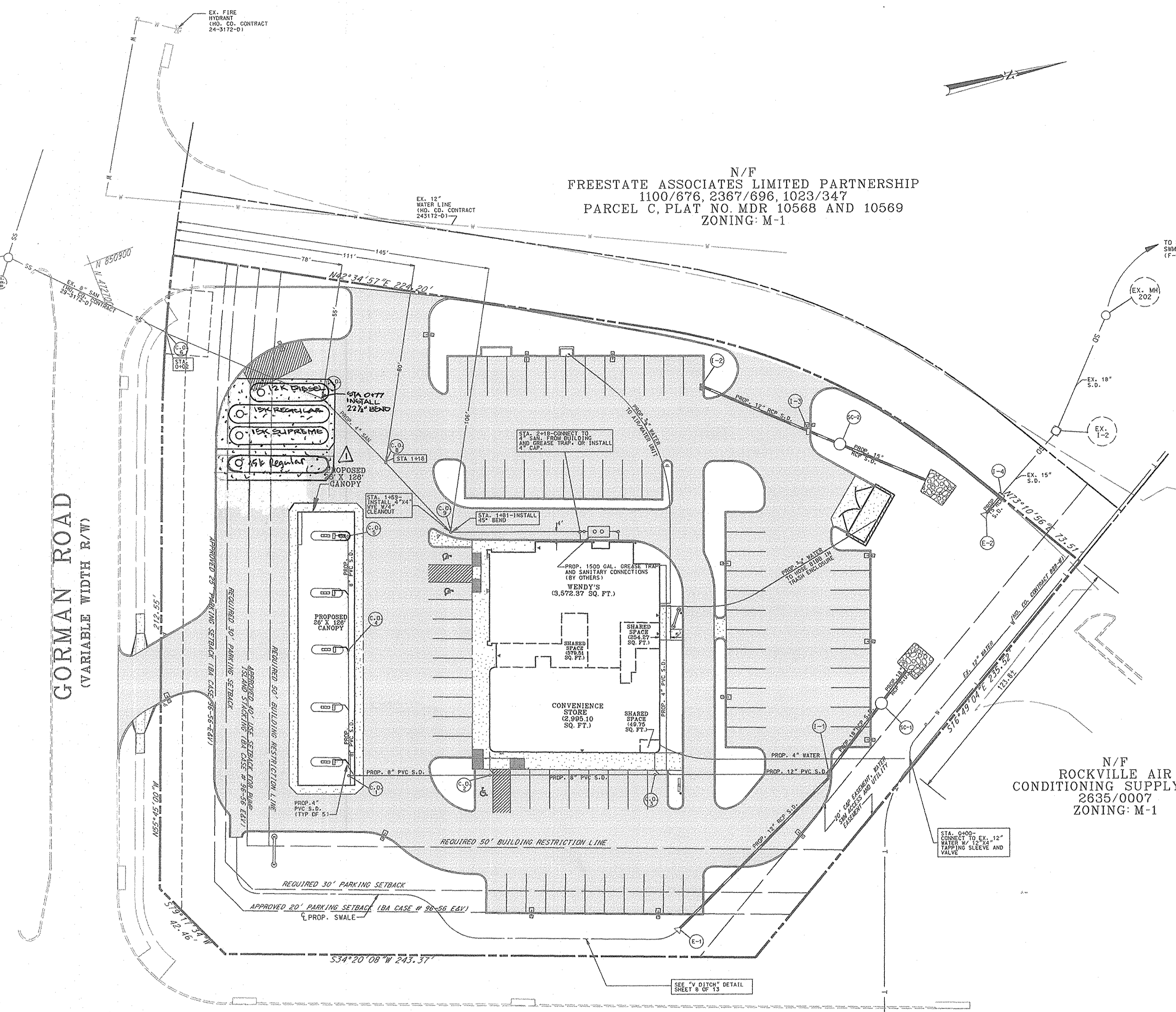


REVISION #	REVISION DATE	DESCRIPTION
1	11/21/97	Revision to add additional 150 gal underground gasoline storage tank.

NOTE: CONTRACTOR SHALL EXERCISE CARE IN THE AREA OF EXISTING LANDSCAPE PLANTINGS. DAMAGE TO LANDSCAPE PLANTINGS AS A RESULT OF TANK INSTALLATION SHALL BE REMOVED BY THE DEVELOPER.



DATE: 8/22/97
 [Signature]
 PROFESSIONAL ENGR. NO. 19155



N/F
 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 1100/676, 2367/696, 1023/347
 PARCEL C, PLAT NO. MDR 10568 AND 10569
 ZONING: M-1

N/F
 ROCKVILLE AIR
 CONDITIONING SUPPLY, INC.
 2635/007
 ZONING: M-1

GENERAL NOTES FOR UTILITY CONSTRUCTION

1. INFORMATION CONCERNING THE HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES WAS TAKEN FROM RECORDS PROVIDED BY UTILITY COMPANIES AND HOWARD COUNTY DPW. THESE LOCATIONS SHOULD BE CONSIDERED APPROXIMATE. FREDERICK WARD ASSOCIATES, INC. MAKES NO GUARANTEE AS TO THE COMPLETENESS OR ACCURACY OF UTILITIES AND THEIR LOCATIONS, SHOWN OR NOT SHOWN, ON THESE DRAWINGS. SUCH INFORMATION PROVIDED ON THESE PLANS IS FOR THE CONVENIENCE OF THE CONTRACTOR. HOWEVER, THE CONTRACTOR SHALL VERIFY THE PRESENCE, ABSENCE, AND LOCATIONS OF ALL UTILITIES, TO HIS SATISFACTION, PRIOR TO ANY WORK UNDER THIS CONTRACT.
2. THE CONTRACTOR IS TO NOTIFY MISS UTILITY AT LEAST 48 HOURS PRIOR TO ANY CONSTRUCTION AND EXCAVATION. PHONE 1-800-257-7777.
3. PRIOR TO ANY CONSTRUCTION UNDER THIS CONTRACT, CONTRACTOR SHALL TEST PIT TO VERIFY EXACT LOCATION AND ELEVATION OF ALL EXISTING UTILITIES WHERE UTILITY TIE-INS AND CROSSINGS WILL BE ENCOUNTERED. ANY DISCREPANCIES IN HORIZONTAL AND VERTICAL LOCATIONS SHOWN ON THE DRAWINGS, PARTICULARLY AT PROPOSED STORM DRAIN, SANITARY, AND WATER CONNECTIONS, SHALL BE IMMEDIATELY REPORTED TO FREDERICK WARD ASSOCIATES PRIOR TO ANY CONTINUATION OF WORK UNDER THIS CONTRACT. THIS IS FOR THE PURPOSE OF IDENTIFYING ANY CONFLICTS WHICH MAY IMPACT THE PROPOSED DESIGN AND RESOLUTION OF SAID CONFLICTS PRIOR TO CONTINUATION OF WORK.
4. ANY EXISTING UTILITIES AND AMENITIES WHICH ARE DAMAGED DUE TO TEST PITTING AND UTILITY CONSTRUCTION SHALL BE REPAIRED IN KIND AT THE SOLE EXPENSE OF THE CONTRACTOR.
5. ANY SEDIMENT CONTROL MEASURES REMOVED FOR THE PURPOSE OF UTILITY CONSTRUCTION SHALL BE REPLACED IN KIND AT THE END OF THE DAY BY THE UTILITY CONTRACTOR.
6. ALL STORM DRAIN, WATER, SEWER, AND PRODUCT PIPING UTILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE LATEST EDITION OF THE HOWARD COUNTY STANDARDS AND SPECIFICATIONS FOR UTILITY CONSTRUCTION, AND EXXON SPECIFICATIONS.
7. ANY PROPOSED GAS AND ELECTRIC SERVICE TO BE COORDINATED IN THE FIELD BY THE EXXON FIELD ENGINEER WITH BOE FOR LOCATION AND SIZE OF SERVICE.
8. WATER SERVICE AND METER, AND SANITARY SERVICE ARE TO BE PRIVATE SYSTEMS. A 4" METER IS TO BE LOCATED INSIDE THE BUILDING.
9. INVERTS IDENTIFIED AS BEING MEASURED OR VERIFIED IN THE FIELD WERE DONE SO BY EITHER TEST PITTING OR INTERPOLATING GRADES BETWEEN STRUCTURES SURVEYED. CONTRACTOR SHALL VERIFY THE SAME TO HIS SATISFACTION, AS THIS INFORMATION IS SHOWN SOLELY FOR THE CONTRACTOR'S CONVENIENCE.

GENERAL NOTES FOR WATER AND SEWER CONSTRUCTION

1. WATER VALVES AND SANITARY CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE IDENTIFIED AS SANITARY CLEANOUTS, THREADED, AND CONTAIN COUNTERSINK PLUS.
2. UTILITIES SHALL MAINTAIN A MINIMUM 12-INCH CLEARANCE WHEN CROSSING EXISTING AND PROPOSED UTILITIES ON AND OFF SITE.
3. WATER SERVICES SHALL HAVE A MINIMUM 3.5 FOOT COVER OVER CROWN OF PIPE.
4. WATER SERVICE SHALL BE 4" DUCTILE IRON PIPE CLASS 51, AND TYPE K COPPER TUBING OR AS APPROVED BY HOWARD COUNTY. SANITARY SEWER PIPE SHALL BE PVC SCH. 40, OR AS APPROVED BY HOWARD COUNTY.

GENERAL NOTES FOR STORM DRAIN CONSTRUCTION

1. MANHOLE LIDS AND INLET GRATES SHALL BE TRAFFIC BEARING AND BICYCLE SAFE.
2. ALL MANHOLE LIDS, INLET GRATES AND CLEANOUT TOPS TO BE ADJUSTED TO MATCH CROSS-PITCH AND SLOPE OF PROPOSED GRADES. CLEANOUT TOPS TO BE THREADED AND CONTAIN COUNTERSINK PLUS.
3. STORM DRAIN PIPE TO BE RCP CL. IV AND PVC SCH. 40, OR AS APPROVED BY HOWARD COUNTY.
4. REFER TO STORM DRAIN PROFILES ON SHEETS AND FOR SIZE AND TYPE OF STORM DRAINS.

STORM DRAIN AND SANITARY SEWER CLEANOUT SCHEDULE

C.O. NO.	SIZE, IN.	INV.	TOP ELEV.
1	6	162.35	165.5
2	6	162.0	166.6
3	6	161.0	166.6
4	6	162.65	165.7
5	6	162.95	166.3
6	4	160.11*	168.5
7	4	161.0	166.8
8	4	161.25	166.65
9	4	161.00	166.6

* INVERT TAKEN TO BE AT TIE-IN POINT WITH EX. 8" SAN AS SHOWN ON HO. CO. CONTRACT 24-3172-0.

STRUCTURE SCHEDULE

NO.	DESCRIPTION	INV. IN	INV. OUT	GRATE EL.
I-1	DOUBLE TYPE 'S' COMBINATION INLET HO. CO. STD. SO-4.34	160.6 (166.1)	160.1	164.1
I-2	DOUBLE TYPE 'S' COMBINATION INLET HO. CO. STD. SO-4.34	-	160.0	163.6
I-3	TYPE 'S' COMBINATION INLET HO. CO. STD. S.D. - 4.32	159.75	159.5	163.0
I-4	TYPE A-S INLET HO. CO. STD. S.D. - 4.01	157.25	EX. 157.14	161.8 TOP SLAB
E-1	12" CONCRETE END SECTION HO. CO. STD. SO-5.52	161.1	-	-
E-2	18" RCP	-	159.6	-
E-3	15" RCP	-	159.0	-
E-4	18" CONCRETE END SECTION HO. CO. STD. SO-5.52	157.4	-	-
SC-1	WD STORMCEPTOR STC 1200	159.85	159.77	165.0
SC-2	WD STORMCEPTOR STC 900	159.40	159.32	164.4

1/98 1 MOVE UNDERGROUND STORAGE TANKS

DATE: NUMBER REVISION DESCRIPTION

APPROVED: DEPARTMENT OF PLANNING AND ZONING

Paul R. ... 10/1/97
 CHIEF DEVELOPMENT ENGINEERING DIVISION DATE

Cathy Hamilton 10/25/97
 CHIEF DIVISION OF LAND DEVELOPMENT SA DATE

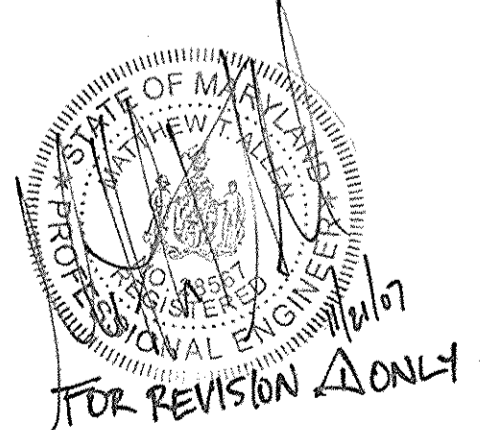
Daniel U. ... 10/20/97
 DIRECTOR DATE

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

James M. ... 10/15/97
 COUNTY HEALTH OFFICER DATE

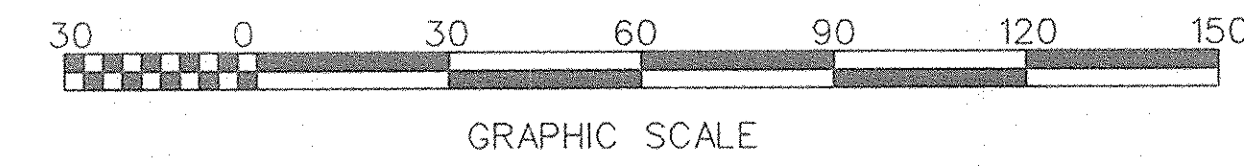
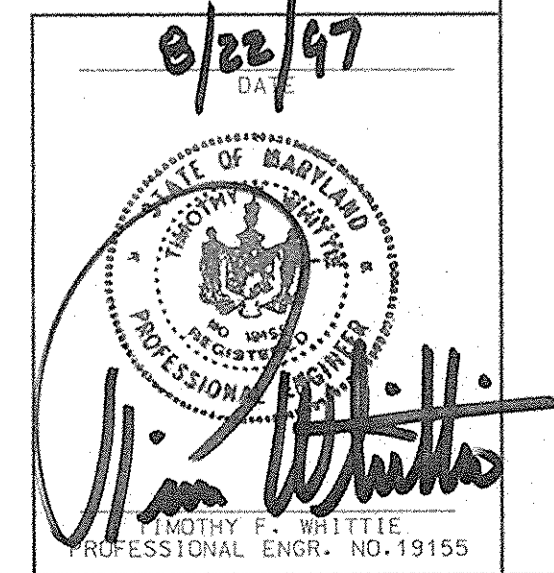
OWNER
 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 461 5th AVE.
 23rd FLOOR
 NEW YORK, NEW YORK 10017
 ATTN: MR. PAUL GOTTWALD
 PHONE: (212) 779-0408

DEVELOPER/
 APPLICANT
EXXON CORPORATION
 6301 IVY LANE
 SUITE 700
 GREENBELT, MARYLAND 20770
 ATTN: MR. ROBERT CASERTA
 PHONE: (301)-513-7511



REVISION #	REVISION DATE	DESCRIPTION
1	11/21/07	Revision to add additional 15k gal underground gasoline storage tank.

NOTE: CONTRACTOR SHALL EXERCISE CARE IN THE AREA OF EXISTING LANDSCAPE PLANTINGS. DAMAGE TO LANDSCAPE PLANTINGS AS A RESULT OF TANK INSTALLATION SHALL BE REMOVED BY THE DEVELOPER.



SDP# 97-121

FREDERICK WARD ASSOCIATES INC.
 ENGINEERS ARCHITECTS SURVEYORS
 5 SOUTH MAN STREET BEL AIR, MARYLAND 21034 (410) 879-2990
 FAX: +2-0040 FWA JOB NUMBER 96051.01 FWA DRAWING FILE NAME C0112.DWG
 CENSUS TRACT NO. 6085.02 WATER CODE: C04 SEWER CODE: 5090000

TAX MAP 47 PARCEL 142/D
 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 FOR AN EXXON STATION AT
 ROUTE 1 & GORMAN RD
 LOT D, GRID 17
SITE UTILITY & PIPING PLAN

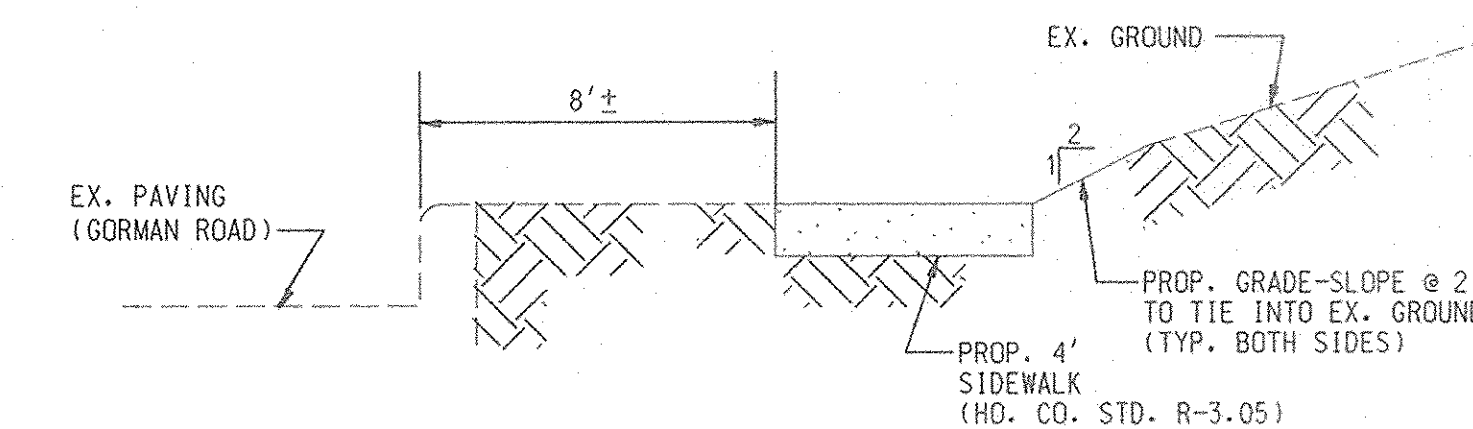
DESIGN BY: JBC SCALE: 1" = 30' PROJECT NO.:
 DRAWN BY: LCF DATE: 06/16/1997 DRAWING NUMBER
 CHECKED BY: TEW APPROVED: 5 OF 13

SDP 97-121

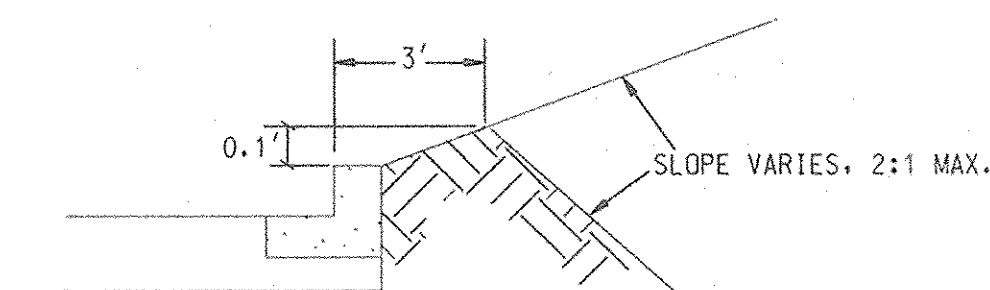
N/F
 FREESTATE ASSOCIATES LIMITED PARTNERSHIP
 1100/676, 2367/696, 1023/347
 PARCEL C, PLAT NO. MDR 10568 AND 10569
 ZONING: M-1

GRADING NOTES

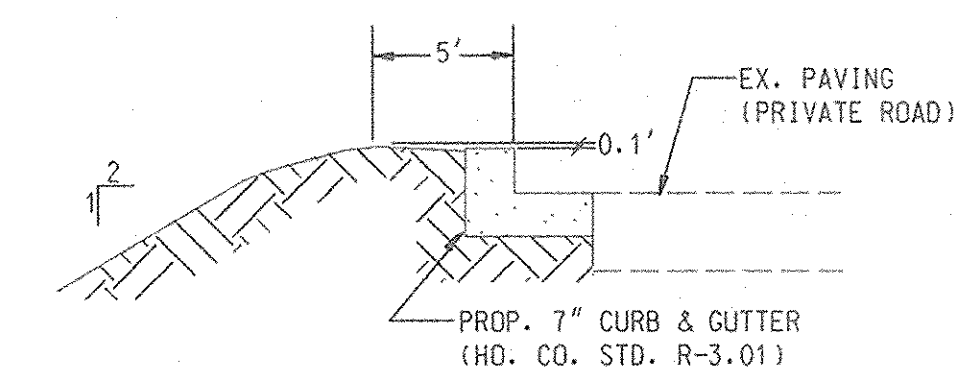
- TOTAL SITE AREA: 2.38 AC
- TOTAL DISTURBED AREA: 1.99 AC
- REFER TO SEDIMENT AND EROSION CONTROL PLAN ON SHEET 7 OF 12 FOR SITE ANALYSIS OF EARTHWORK QUANTITIES.
- FILL MATERIAL SHALL BE COMPACTED AT 95% TO MEET AASHTO T-180 SPECIFICATIONS. REFER TO EXXON STANDARD DRAWINGS 1090 AND GEOTECHNICAL ENGINEER FOR COMPACTION REQUIREMENTS UNDER IMPERVIOUS AREAS AND BUILDING SLABS AND FOUNDATIONS.
- BENCHMARK: SEE COVER SHEET
- REFER TO STRUCTURE SCHEDULE ON SITE UTILITY AND PIPING PLAN SHEET 5 FOR TOP LID, TOP OF CLEANOUT, AND TOP GRATE ELEVATIONS.



SECTION THRU SIDEWALK
 NEAR ENTRANCE @ GORMAN ROAD
 N.T.S.



SECTION THRU PARKING LOT
 N.T.S.



SECTION THRU CURB/SLOPE
 TO WATER QUALITY FACILITY AT PRIVATE ROAD
 N.T.S.

LEGEND

- 261 --- EXISTING CONTOUR
- 263 --- PROPOSED CONTOUR
- + 232.95 PROPOSED SPOT ELEVATION
- + EX 232.95 EXISTING SPOT ELEVATION
- > PROPOSED FLOW ARROWS INDICATING DIRECTION OF FLOW
- TIG TOP INLET GRATE

1/98	1	MOVE UNDERGROUND STORAGE TANKS
DATE:	NUMBER	REVISION DESCRIPTION
APPROVED: DEPARTMENT OF PLANNING AND ZONING		
<i>John Stammers</i>		10/1/97
CITY DEVELOPMENT ENGINEERING DIVISION		
<i>Candy Hamilton</i>		10/25/97
CHIEF DIVISION OF LAND DEVELOPMENT		
<i>Joseph J. Taylor</i>		10/25/97
DIRECTOR		
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT.		
<i>Joseph M. Boyd</i>		10/15/97
COUNTY HEALTH OFFICER		
OWNER FREESTATE ASSOCIATES LIMITED PARTNERSHIP 461 5th AVE. 23rd FLOOR NEW YORK, NEW YORK 10017 ATTN: MR. PAUL GOTTFELD PHONE: (212) 779-0408		
DEVELOPER/APPLICANT EXXON CORPORATION 6301 IVY LANE SUITE 700 GREENBELT, MARYLAND 20770 ATTN: MR. ROBERT CASERTA PHONE: (301) 513-7511		
SDP# 97-121		
FREDERICK WARD ASSOCIATES INC. ENGINEERS ARCHITECTS SURVEYORS 5 SOUTH MAN STREET BEL AIR, MARYLAND 21014 (410) 878-2080 RAS # 2-0340 FPA JOB NUMBER 90253.01 FPA DRAWING FILE NAME CORRAD.DWG		
CENSUS TRACT NO. 6068.02 WATER CODE # 1004 SEWER CODE # 5090000		
TAX MAP 47 PARCEL 142/D 6th. ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR AN EXXON STATION AT ROUTE 1 & GORMAN RD LOT D, GRID 17 SITE GRADING PLAN		
DESIGN BY: JBC	SCALE: 1" = 30'	PROJECT NO.:
DRAWN BY: LCF/JJ	DATE: 07/23/97	DRAWING NUMBER
CHECKED BY: TFW	APPROVED:	04 OF 13

BENCHMARK
 X-CUT SET
 N. 4724.00, 4093
 E. 4571.80, 9832
 ELEV. = 164.20

U.S. ROUTE 1 BALTIMORE WASHINGTON BLVD.
 (160' R/W)

N/F
 ROCKVILLE AIR
 CONDITIONING SUPPLY, INC.
 2635/0007
 ZONING: M-1

REVISION #	REVISION DATE	DESCRIPTION
Δ	11/21/07	Revision to add additional 15K gal underground gasoline storage tank

NOTE: CONTRACTOR SHALL USE CARE IN THE AREA OF EXISTING LANDSCAPE PLANTINGS. DAMAGE TO LANDSCAPE PLANTINGS AS A RESULT OF TANK INSTALLATION SHALL BE REMOVED BY THE DEVELOPER.

