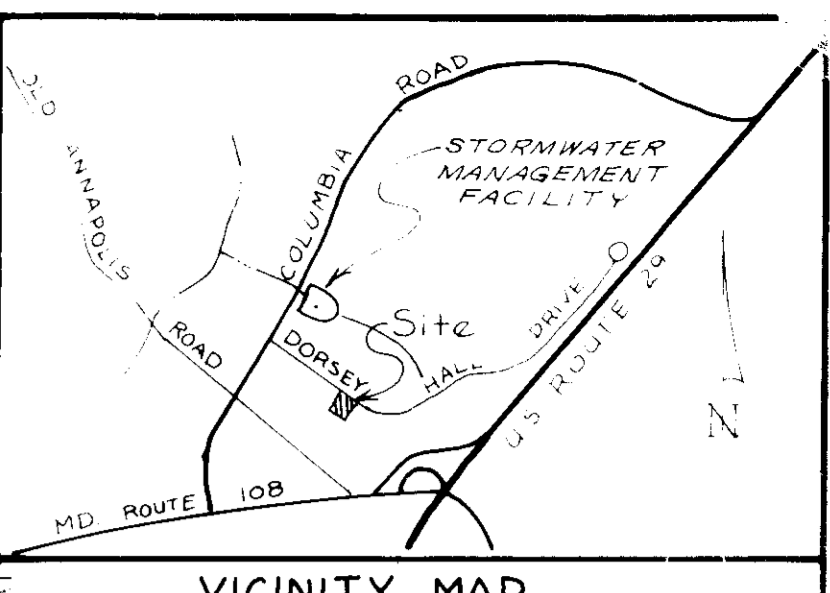
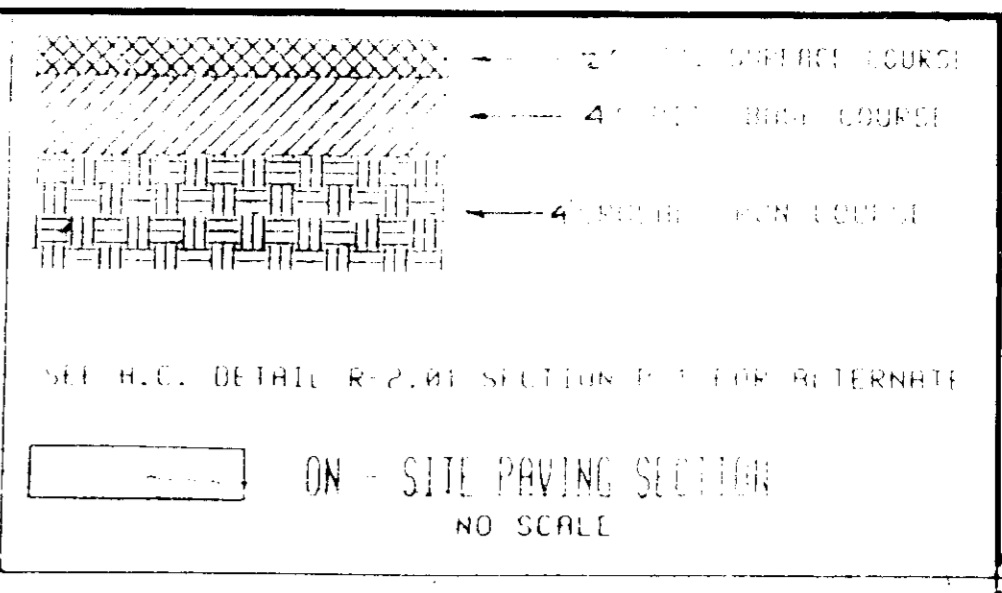
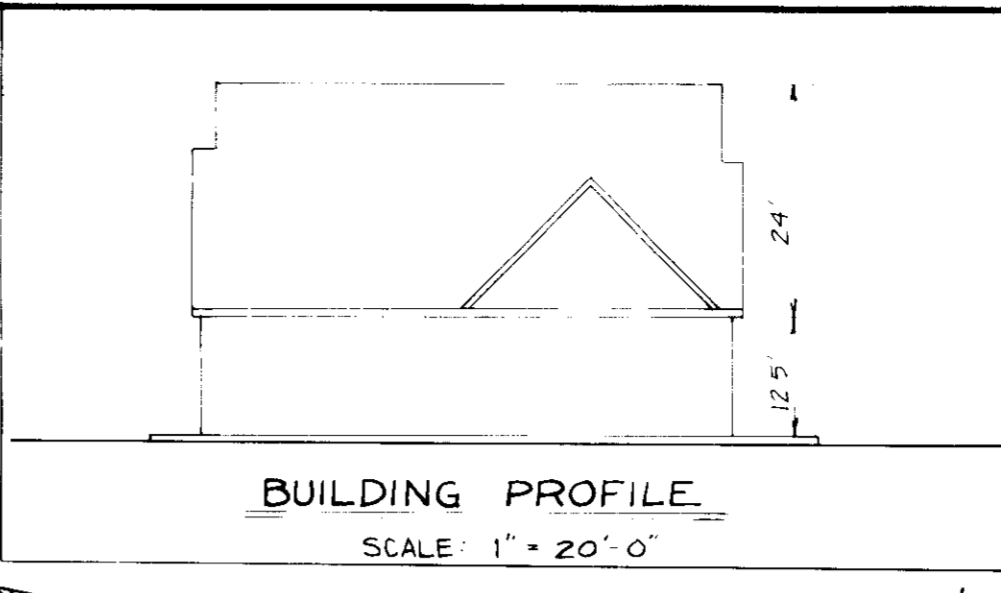
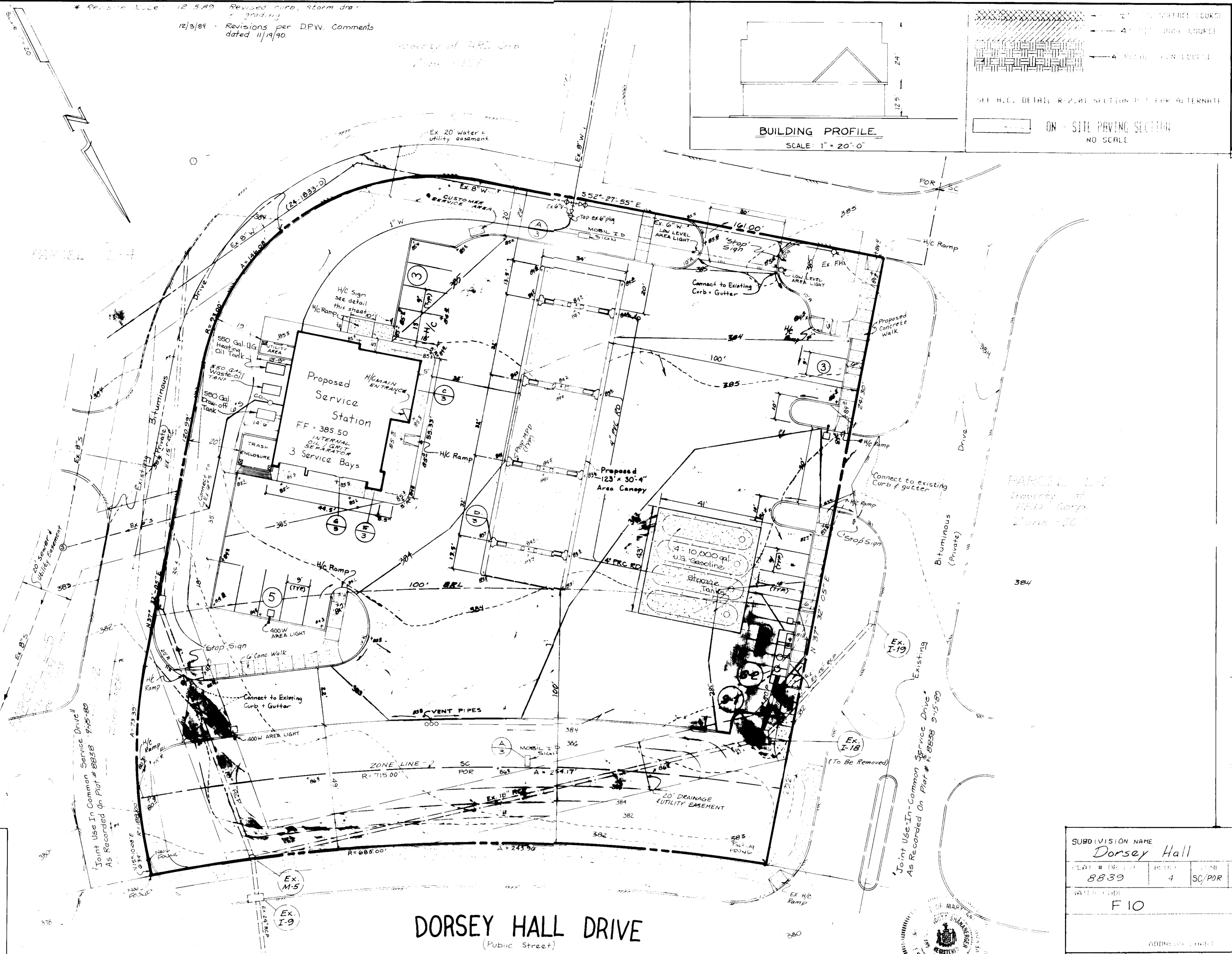


- EXISTING PROPOSED
- CONTOURS
  - PAVING
  - CURB & GUTTER
  - STORMDRAIN
  - SANITARY SEWER
  - WATER
  - ELECTRIC
  - LIGHTS
  - POLES
  - BUILDINGS
  - UTILITY ESMTS



Paving Notes

- All paving materials and construction shall be in accordance with the Howard County (H.C.) standard specifications and details for construction.
- Paving materials shall be in accordance with Howard County Design Manual, Volume II, R-201, Std. Section P-1.
- Paving section is based on use, a soils engineer should verify the section based on existing soil conditions at the time of construction.
- All curb and gutter shall be H.C. Standard R-3.01. Curb only shall be H.C. Std. R-3.01 Standard Barrier Curb.
- All concrete for curbs, walks and pads is to be M.S.H.A. Class 2 unless otherwise noted.

Site Development Notes

- Topography is from a field run survey provided by Macris, Hendricks & Witmer, November, 1989.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and orientation of the mains by digging test pits by hand at all utility crossings 2 weeks in advance of trenching. If clearance is less than shown on this plan, contact the engineer.
- The contractor shall notify the following utilities or agencies at least two (2) working days before starting work shown on these plans:

Miss Utility 1-800-257-7777  
 Potomac Gas and Electric Co. 301-685-0123  
 Chesapeake and Potomac Telephone Co. 301-725-4976

- Should the contractor discover discrepancies between the plans and field conditions, the engineer is to be notified immediately to resolve the situation. Should the contractor make field corrections or adjustments without notifying the engineer, the contractor assumes all responsibility for those changes.
- For details, materials or construction methods not shown on the plans refer to the Howard County standard details.
- The sewer house connection is to be 6" P.V.C. or equal.
- Plan subject to conditions of BAB-17, for special exception approval.
- The water house connection is to be 1.5" copper pipe with 1/2" curb and gutter.
- SWM facility to serve this site is located off site under E 85-16. (See Utility Map)

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James Z. John* 4/30/90 DATE  
DIRECTOR

*James Z. John* 3-6-90 DATE  
CHIEF, BUREAU OF ENGINEERING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

*James M. ...* 5/3/90 DATE  
COUNTY HEALTH OFFICER

APPROVED FOR HOWARD COUNTY DEPT. OF PLANNING AND ZONING

*Walt ...* 5-18-90 DATE  
PLANNING OFFICER

*Mark ...* 5/15/90 DATE  
CHIEF DIVISION OF PLANNING AND LAND DEVELOPMENT

12-20-89

Com

SITE ANALYSIS

Site Area = 1.470 AC  
 Proposed Building Coverage = 1,100 S.F. or 4.16%  
 Total Site Building Coverage = 1,100 S.F. or 7.48%  
 Proposed Open Space = 24,200 S.F. or 37.79%  
 Total Open Space = 24,200 S.F. or 37.79%

Parking Schedule

Parking Required: 1 Space/Employee x 3 Employees = 3  
 3 Spaces/Service Bay x 3 Bays = 9  
 Total = 12

Parking provided: Standard Space 14' x 20' = 280  
 Standard Space 11' x 17' = 12  
 Total = 292

Landscape Islands Required: 5% (Parking Area) = 174 S.F.  
 Landscape Islands Provided: 0.05' x 347' = 173.5 S.F. (10%)

DEVELOPER  
 Mobil Oil Corporation  
 8330 BOONE BLVD  
 SUITE 520  
 VICTORIA VIRGINIA 22180  
 (703) 448-5500

OWNER  
 The Howard Research and Development Corp.  
 10275 Little Patuxent Pkwy  
 Columbia, Md. 21043  
 (301) 552-6084

SUBDIVISION NAME	SECT./AREA	LOT/PARCEL
Dorsey Hall	2/4	Parcel L-3
8839	4 SC/POR	6023.01
VALUATION	F 10	575000
ADDRESS	Parcel L-3 4755 Dorsey Hall Drive	

**SITE PLAN**  
 PROPOSED GASOLINE SERVICE STATION

**MOBIL OIL CORPORATION**  
 DORSEY SEARCH VILLAGE CENTER  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**Macris, Hendricks and Witmer P.A.**  
 Engineers • Planners • Surveyors

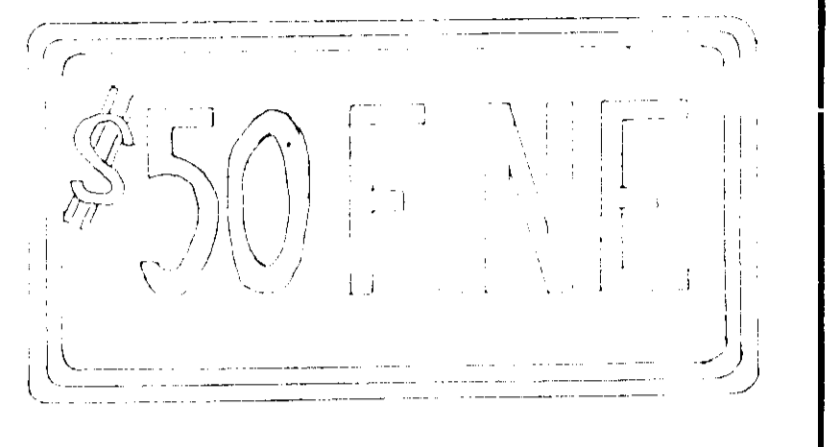
Designed: E.J.S.  
 Date: 10/11/89  
 Job No: 88-204

Drawn: W.M.  
 Scale: 1" = 20'  
 Sheet: 1 of 2

(301) 670-0840  
 9220 Wightman Road  
 Gaithersburg, Maryland  
 20879

REGISTRATION  
 Maryland Parking Sign Violation Fine Matrix

Howard County Council Bill 14-84 which established a \$50 fine for parking violations for handicapped parking spaces. The fine is \$100 for violations for handicapped parking spaces. The sign is posted in the area of the parking space. The sign is posted in the area of the parking space. The sign is posted in the area of the parking space.



RESERVED PARKING

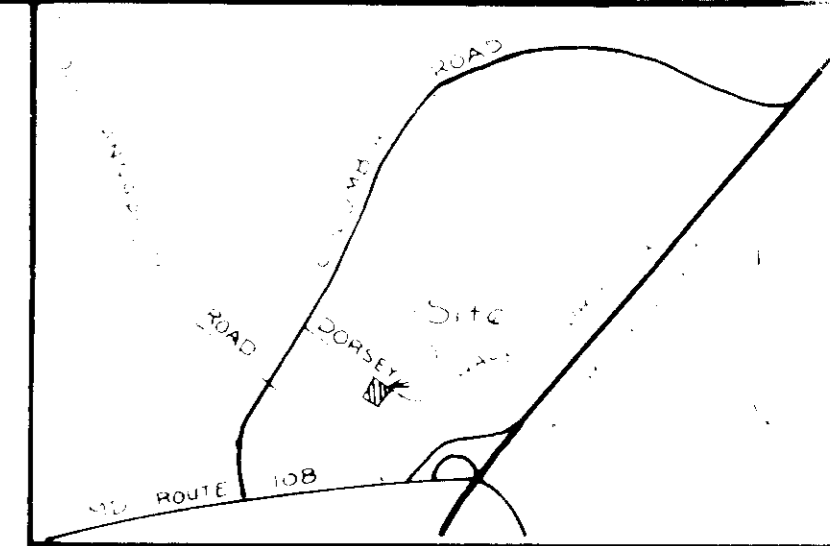
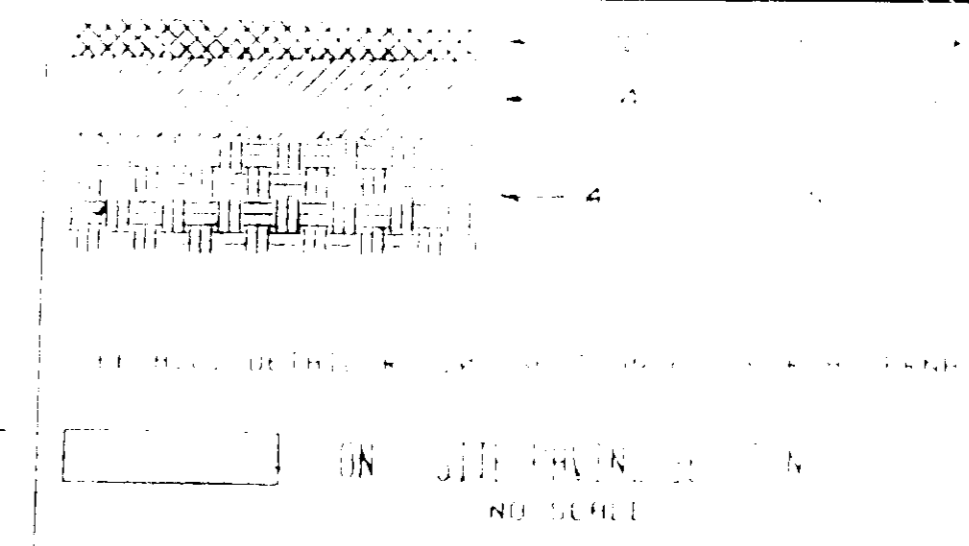
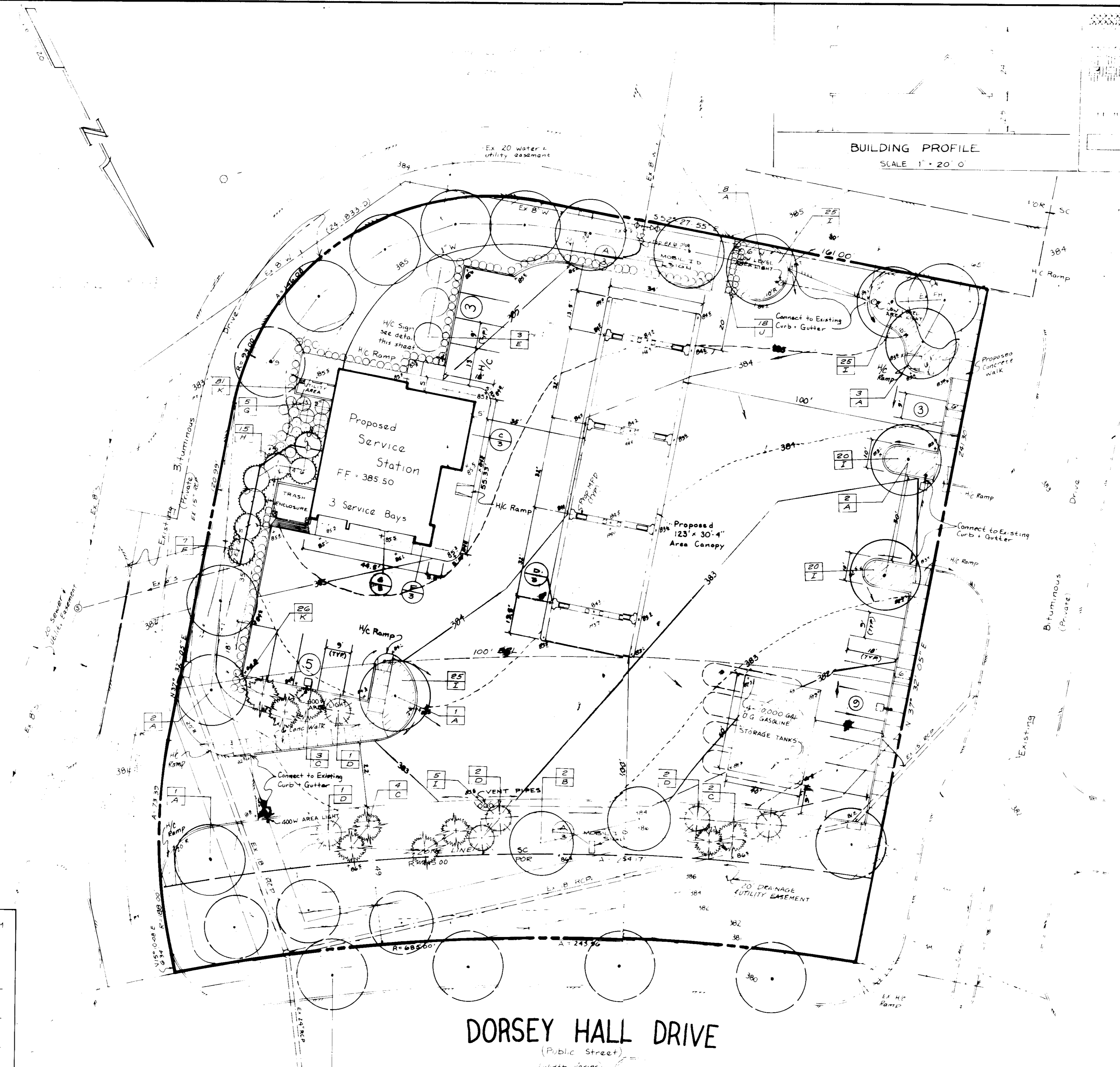


LEGEND AND COLORS  
 WHITE SYMBOL ON BLUE BACKGROUND  
 BACKGROUND - WHITE

Reduce Spacing  
 See Page 100 for Symbol Design

**PLANTING LIST**

KEY	MOBIL QT	MOBIL BY TRC	NAME	SIZE
A	16	1	ACER SACCHARUM "BONFIRE"	3'-3 1/2" CAL 14'-10" HT.
C	3	6	PICEA ABIES	10'-12" HT.
D	1	5	PICEA ABIES	8'-10" HT.
E	3		PRUNUS C. "THUNDERCLOUD"	3'-3 1/2" CAL 10'-12" HT.
F	7		ILEX "NELLIE STEVENS"	8'-10" HT.
G	5		VIBURNUM P. TOMENTOSUM	4'-0" HT.
H	15		PRUNUS L. SCHIPKAENSIS	30"-36"
I	115	5	JUNIPERUS SARGENTII	18"-24" HT & SPD.
J	18		BERBERIS T. ATROPURPUREA "ROSY GLOW"	24"-30" HT & SPD.
K	107		TAXUS M. HATFIELD	30"-36" HT & SPD.
B		2	FRAXINUS P. "MARSHALL SEEDLESS"	3'-3 1/2" CAL 14'-10" HT.



**RESEVED PARKING**

LEGEND AND OTHER NOTES:  
 WHITE SYMBOLS ARE TO BE REMOVED  
 BACKGROUND SHADING

APPROVED FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*James J. [Signature]* 4/30/90 DATE  
 DIRECTOR  
*William E. [Signature]* 3-6-90 DATE  
 CHIEF, BUREAU OF ENGINEERING

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*James M. [Signature]* 5/3/90 DATE  
 COUNTY HEALTH OFFICER

APPROVED FOR PLANNING AND ZONING  
 HOWARD COUNTY DEPT. OF PLANNING AND ZONING  
*[Signature]* 5-18-90 DATE  
*[Signature]* 5-15-90 DATE  
 PLANNING DIVISION OF PLANNING AND LAND DEVELOPMENT

**APPROVED**  
 DATE 12-20-89  
 [Signature]

MISS UTIL TELEPHONE 1-800-257-1777  
 FOR UTILITY LOCATION AT LEAST 48 HOURS BEFORE BEGINNING CONSTRUCTION

**DORSEY HALL DRIVE**  
 (Public Street)  
 (Width varies)

PROPOSED LANDSCAPING BY OTHERS (TYP)

SUBDIVISION NAME <b>Dorsey Hall</b>		SECT. PARCEL <b>2/4</b>	LOT PARCEL <b>Parcel L-3</b>
8839	4	SC PDR	30
F 10		575000	
Parcel L-3	4755 Dorsey Hall Drive		

**LANDSCAPE PLAN**  
 PROPOSED GASOLINE SERVICE STATION  
**MOBIL OIL CORPORATION**  
 DORSEY SEARCH VILLAGE CENTER  
 2<sup>ND</sup> ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND



**DEVELOPER**  
 Mobil Oil Corporation  
 8330 BRIDGE BLVD  
 SUITE 220  
 ANNAPOLIS, MARYLAND 21403  
 (301) 448-5500

**OWNER**  
 The Howard Research and Development Corp  
 10275 Little Patuxent Pkwy  
 Columbia, Md. 21043  
 (301) 952-0084

<b>Macris, Hendricks and Witmer P.A.</b>		Designed <b>EJS</b>	Drawn <b>CHK</b>
Engineers • Planners • Surveyors		Date <b>10/11/89</b>	Scale <b>1" = 20'</b>
(301) 670-0840		Job No. <b>88-204</b>	Sheet <b>2 of 2</b>

**OWNER/DEVELOPER CERTIFICATE**

"I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

*James C. Glascock* 2-2-90  
 Owner/Developer Signature Date

**ENGINEER'S CERTIFICATE**

"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."

*James C. Glascock* 2/19/90  
 James C. Glascock, P.E. Date

- LEGEND**
- 40— Proposed Contour
  - - - - - Existing Contour
  - ← Drainage Divide
  - Limits of Disturbance
  - ▨ Stabilized Construction Entrance
  - Earth Dike
  - Silt Fence

Reviewed for HOWARD S.C.D. and meets Technical Requirements

*James M. [Signature]* 2/22/90  
 S.S. Soil Conservation Service Date

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

*John L. Robertson* 2/22/90  
 Howard S.C.D. Date

APPROVED THE PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James G. [Signature]* 4/30/90  
 DIRECTOR DATE

*James [Signature]* 3-6-90  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

*James M. [Signature]* 5/3/90  
 COUNTY HEALTH OFFICER DATE

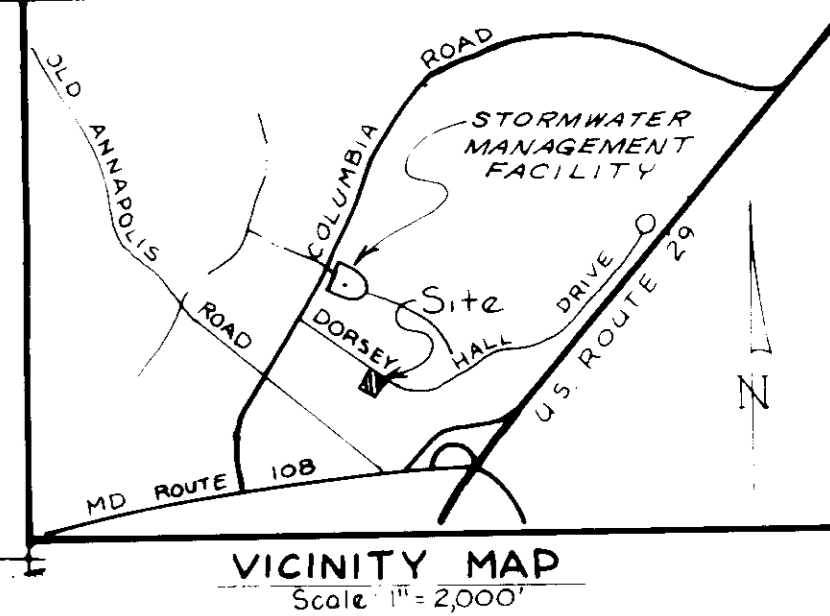
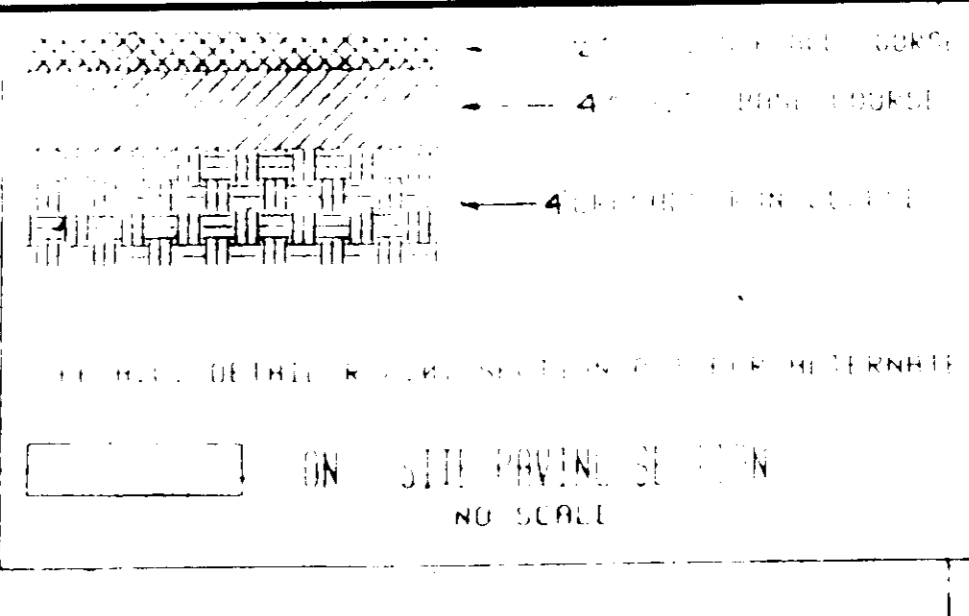
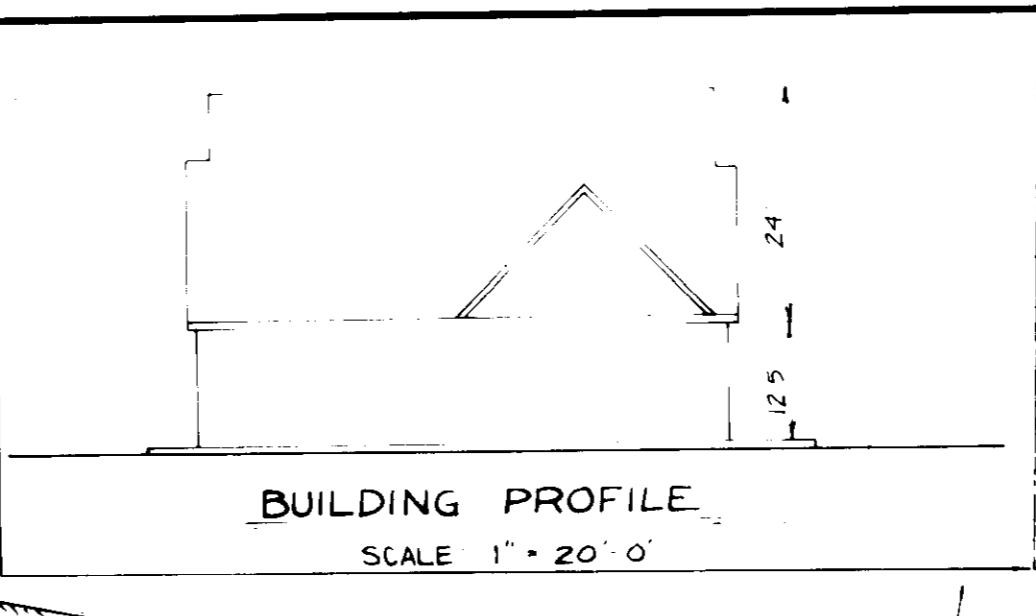
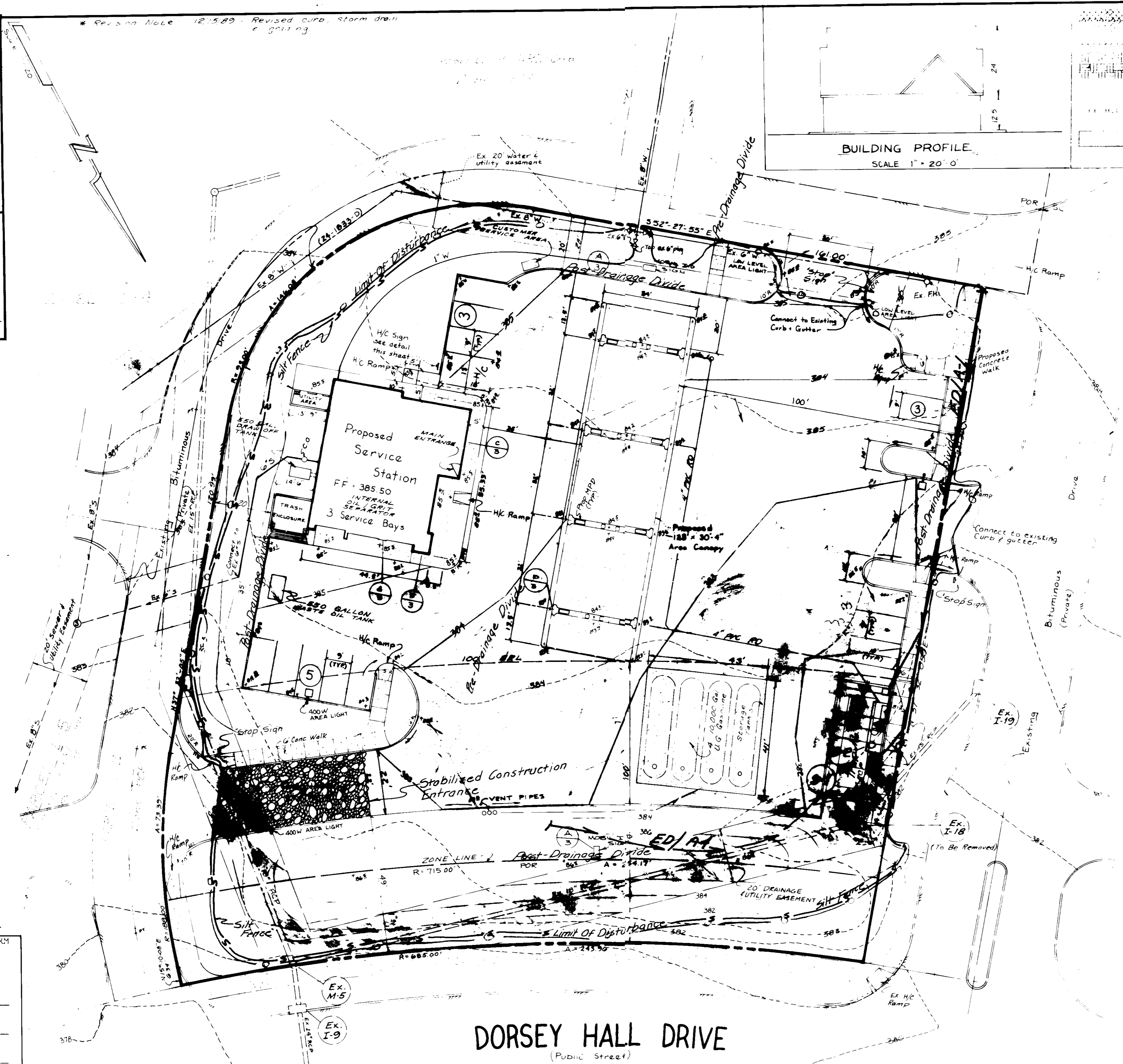
APPROVED FOR HOWARD COUNTY DEPT. OF PLANNING AND ZONING

*[Signature]* 5/18/90  
 DATE

*[Signature]* 5/18/90  
 DATE

APPROVED PLANNING BOARD of HOWARD COUNTY

DATE: 12-20-89



50 FINE

RESERVED PARKING

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

SUBDIVISION NAME <b>Dorsey Hall</b>		SECT / AREA <b>2/4</b>	LDT/PARCEL <b>Parcel L-3</b>
88.39	4	SC, POR	30
F 10		575000	
Parcel L-3		4755 Dorsey Hall Drive	

SOIL EROSION & SEDIMENT CONTROL PLAN  
 PROPOSED GASOLINE SERVICE STATION

**MOBIL OIL CORPORATION**  
 DORSEY SEARCH VILLAGE CENTER  
 2ND ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

Designed E.J.S. Drawn W.M.  
 Date 10/11/89 Scale 1" = 20'  
 Job No. 88-204 Sheet 3 of 5  
 (301) 670-0840

**DEVELOPER**  
 Mobil Oil Corporation  
 8330 BOONE BLVD  
 SUITE 520  
 VIENNA VIRGINIA 22180  
 (703) 448-5500

**OWNER**  
 The Howard Research and Development Corp.  
 10275 Little Patuxent Pkwy.  
 Columbia, Md. 21043  
 (301) 992-6084

FOR SEDIMENT CONTROL ONLY

SDP-90-84



**INSPECTOR NOTES**  
OIL-GRIT SEPARATOR CONSTRUCTION

THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS INSPECTOR MUST BE NOTIFIED AT (301) 792-7272 PRIOR TO EACH OF THE FOLLOWING STAGES WITH A 48 HOUR ADVANCE NOTICE.

STAGE	Developer / Engineer Approval INITIALS DATE	D.P.W. Inspector INITIALS DATE
A. PRE-CONSTRUCTION MEETING *		
B. APPROVAL OF SUBGRADE FOR FOOTING *		
C. FOOTING FORMED AND STEEL SET PRIOR TO POURING *		
D. STRUCTURE SIDES AND STEEL SET PRIOR TO POURING *		
E. PRIOR TO TOP SLAB AND MANHOLES BEING SET, PW INSPECTOR MUST CHECK STRUCTURE AND ALL DETAILS AND SILT IN STRUCTURE REMOVED *		
F. WHEN SITE IS PERMANENTLY STABILIZED AND SEDIMENT CONTROL MEASURES TO PROTECT INLET ARE TO BE REMOVED *		

**GENERAL NOTES FOR OIL-GRIT SEPARATOR CONSTRUCTION**

- USE CAST-IN-PLACE CONCRETE FOR WALLS.
- WORKMAN SHALL CONFORM TO ASTM SPECIFICATIONS C170 TYPES M OR S.
- REFER TO HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DESIGN MANUAL, VOLUME IV, "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION" FOR MATERIALS AND METHODS OF CONSTRUCTION.
- WALL THICKNESS SHALL BE AS SPECIFIED ON PLAN.
- f'c = 4000 PSI AT 28 DAYS.
- ALL REINFORCING STEEL SHALL BE ASTM A 615, GR. 60.
- CONTACT MISS UTILITY AT 1-800-257-7777 48 HOURS PRIOR TO START OF CONSTRUCTION.
- SILT AND DEBRIS SHALL NOT BE ALLOWED TO ENTER THE STRUCTURES UNLESS CONTRIBUTING DRAINAGE AREAS HAVE BEEN PERMANENTLY STABILIZED.
- ALL OPENINGS TO STRUCTURES SHALL BE PROTECTED WITH THE APPROPRIATE SEDIMENT CONTROL MEASURES DURING CONSTRUCTION.
- FOR SEQUENCE OF CONSTRUCTION, SEE SEDIMENT CONTROL PLAN.

**OIL/GRIT SEPARATOR WASTE**

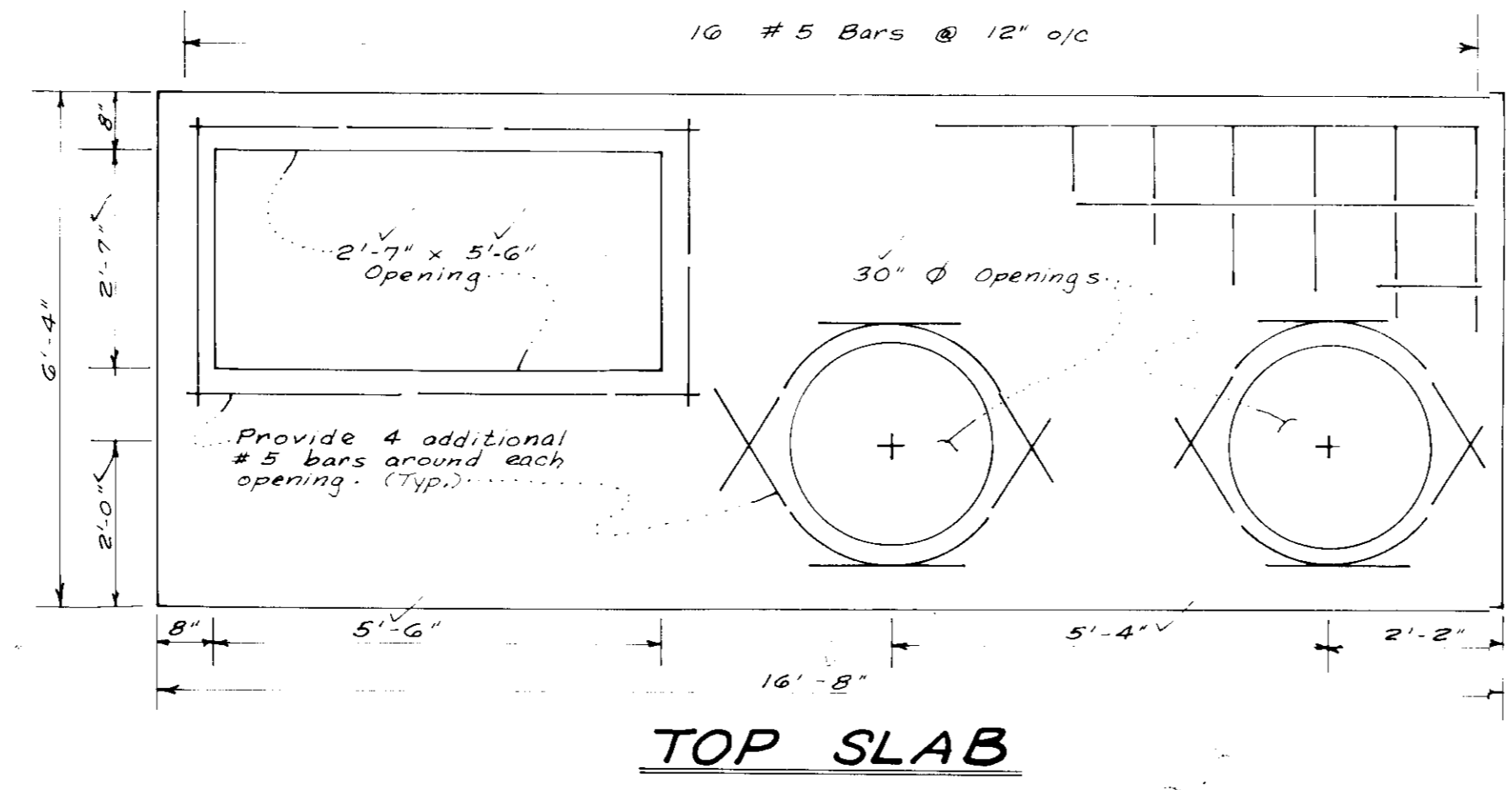
OIL/GRIT SEPARATORS WILL NEED TO BE CLEANED PERIODICALLY. OWNERS OF THESE FACILITIES WILL HAVE TO CLEAN THEM AS NEEDED OR ON A FREQUENCY THAT THE COUNTY DETERMINES IS APPROPRIATE. OWNERS OF OIL/GRIT SEPARATORS WILL BE NOTIFIED BY THE COUNTY OF THE FREQUENCY OF MAINTENANCE.

MAINTENANCE OF THESE FACILITIES WILL CONSIST OF CLEANING OUT THE SEPARATOR AND DISPOSAL OF THE WASTE AND THE REPAIR OF THE FACILITY AS NEEDED. PERIODIC INSPECTIONS OF THESE FACILITIES WILL BE MADE BY THE HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.

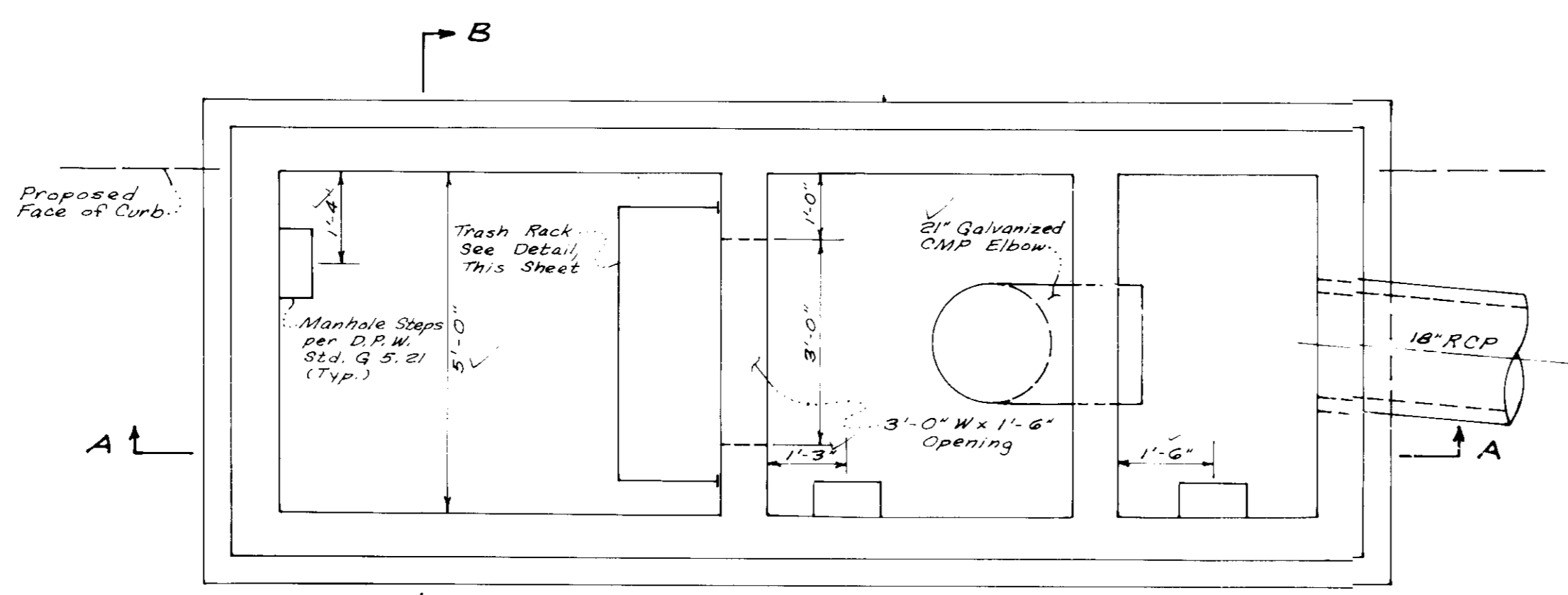
THE DISPOSAL OF THE LIQUID AND SOLID WASTE SHOULD BE TAKEN CARE OF AS FOLLOWS:

- ALL LIQUID MATERIAL IN THE SEPARATOR INLET SHALL BE PUMPED INTO A SUITABLE TANK TRUCK AND DISPOSED OF AT AN APPROVED SANITARY DISTRICT DISCHARGE MANHOLE OR BE TAKEN TO AN APPROVED SEWAGE TREATMENT PLANT FOR DISCHARGE.
- THE SOLID MATERIAL SHALL BE LANDFILLED IN AN APPROVED SANITARY LANDFILL.

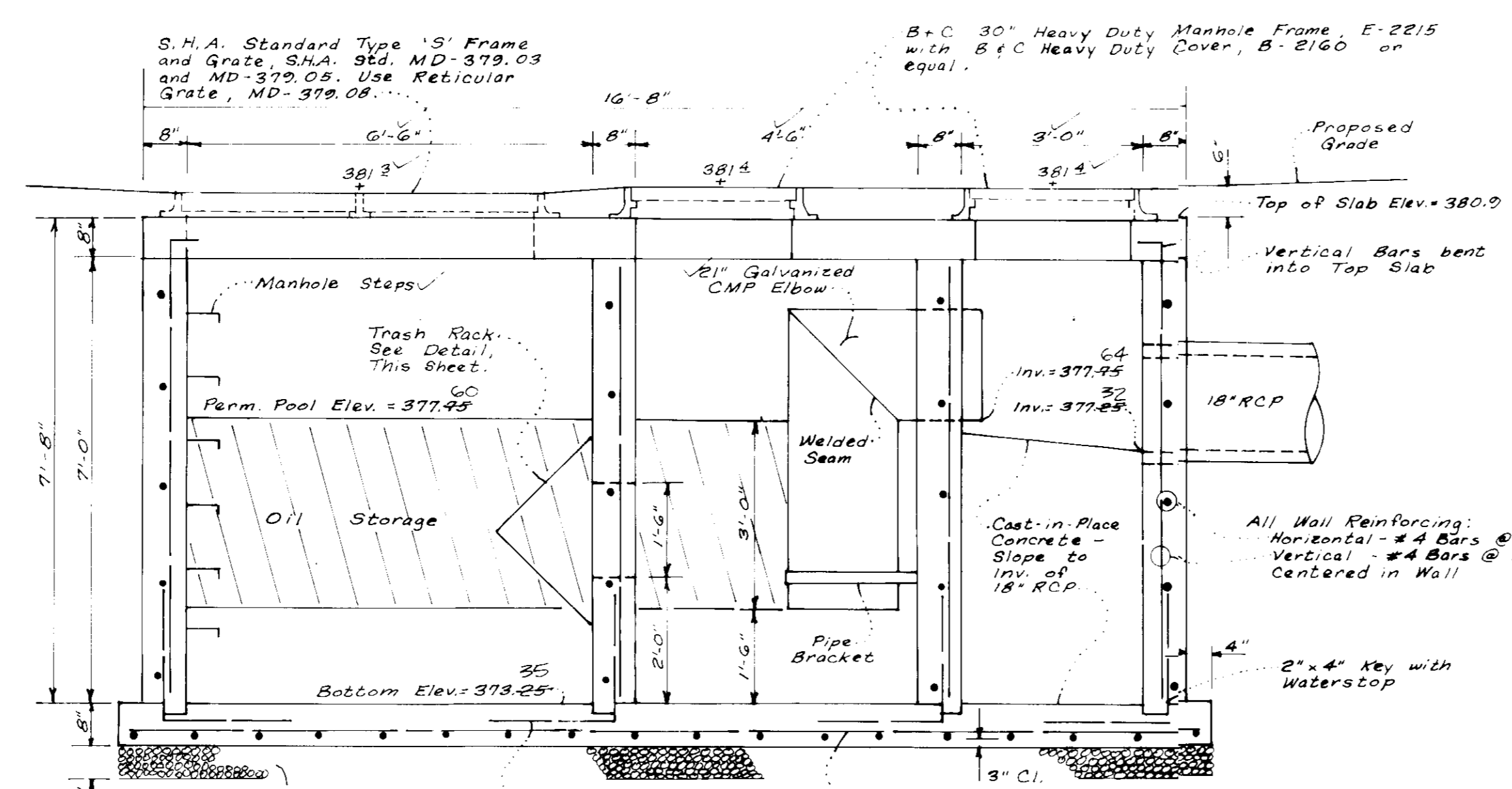
THE INLET PIPES, TRASH RACKS, GRATES, AND STRUCTURAL PARTS SHALL BE REPAIRED AS NEEDED.



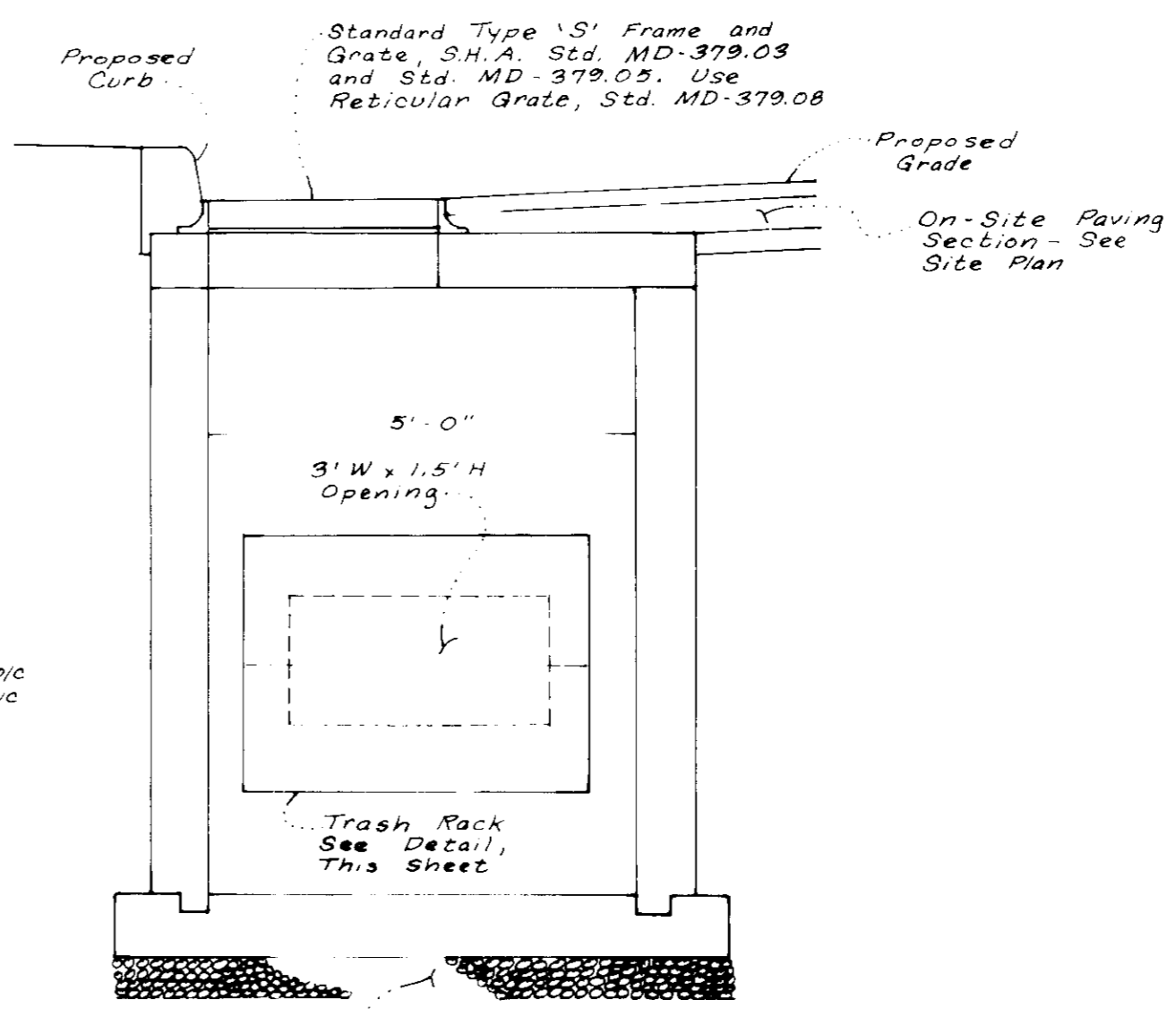
**TOP SLAB**



**PLAN VIEW (TOP SLAB REMOVED)**



**SECTION A-A**



**SECTION B-B**

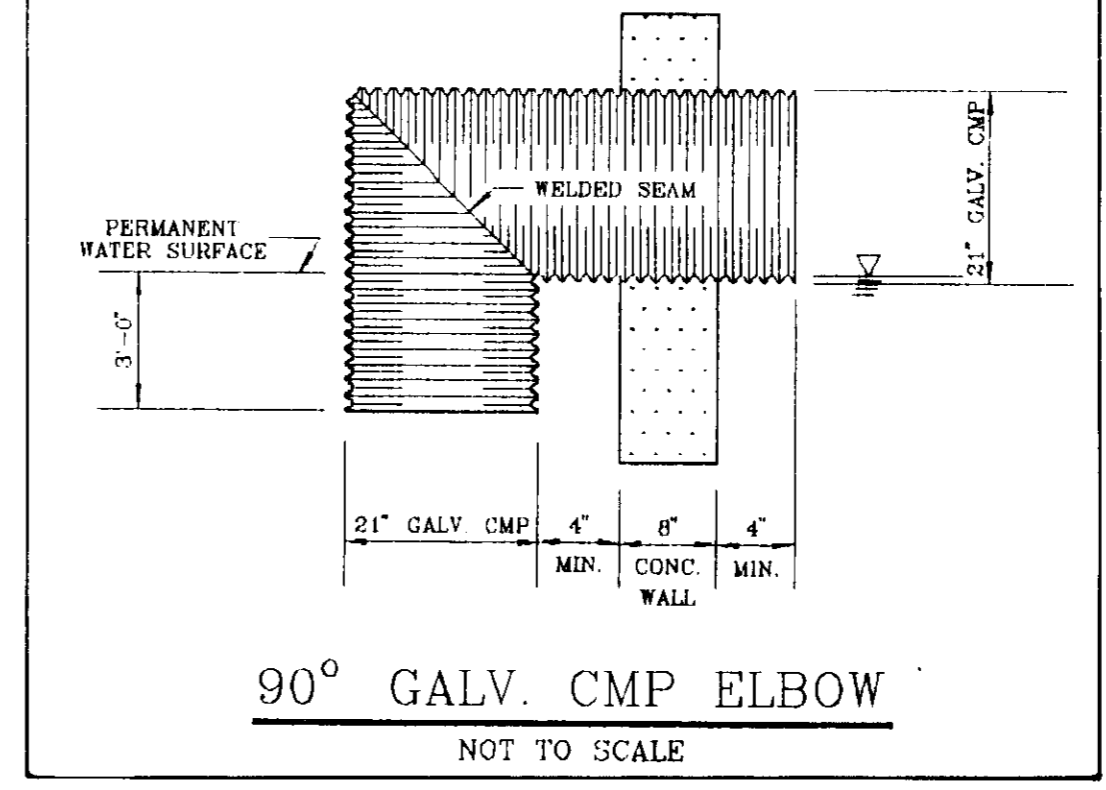
**AS-BUILT (OIL/GRIT SEPARATOR)**

2 Scott Shanabarger  
PROF. L.S.#10840  
SHANABARGER & LANS  
3726 TOWN & COUNTRY BLD.  
SUITE 104  
ELLCOTT CRT, MD. 21047

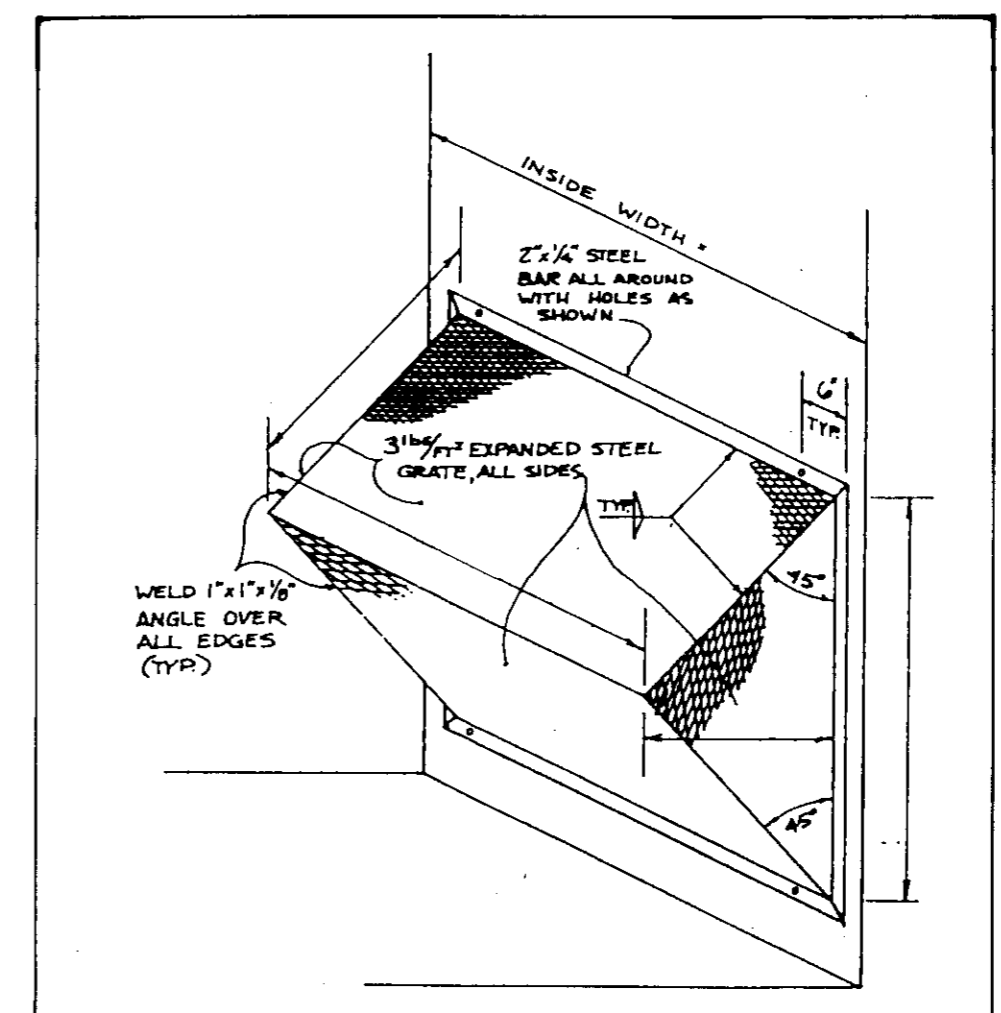


**STRUCTURE S-2**  
**OIL/GRIT SEPARATOR**

Scale: 1" = 2'  
(FOR DETAILS NOT SHOWN, SEE HOWARD COUNTY DEPT. OF PUBLIC WORKS STD. W-3.26)



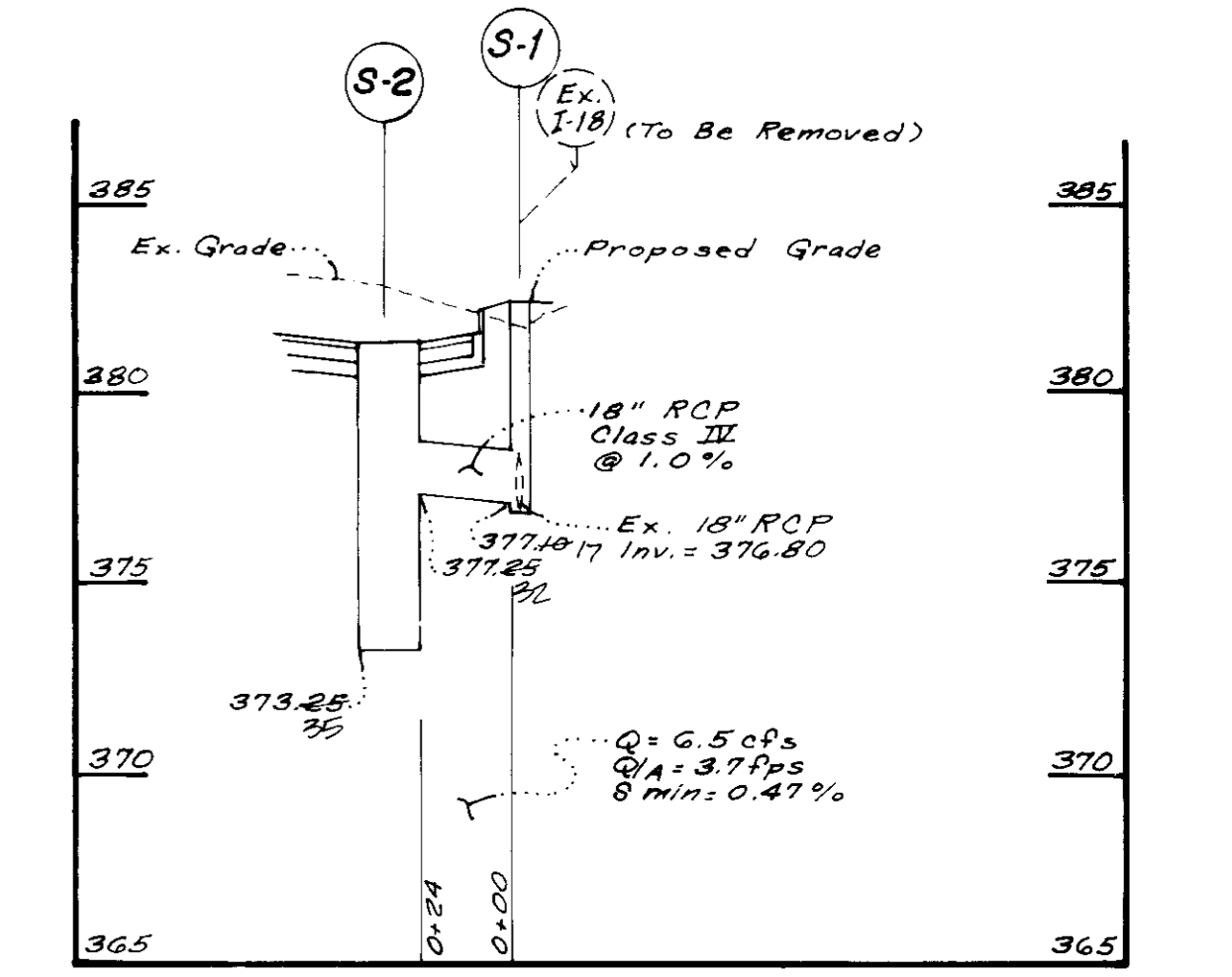
**90° GALV. CMP ELBOW**  
NOT TO SCALE



**TRASH RACK DETAIL**

- NOTES FOR TRASH RACK**
- Trash rack to be centered over orifice(s), if possible, or provide minimum 6" clearance to bottom of structure.
  - Steel to conform to ASTM A-36.
  - All surfaces to be coated with two coats Z.R.C. Cold Galvanizing Compound after welding.
  - Trash rack to be attached to wall with 1/2" masonry anchors. Trash rack to be removable.

- GENERAL NOTES FOR STORM DRAIN CONSTRUCTION**
- All methods and materials used in the construction of the storm drains herein shall conform to the latest edition all addenda and errata thereto of the following: the Maryland Department of Transportation, State Highway Administration's "Standard Specifications for Construction and Materials" and Howard County Department of Public Works Design Manual, Volume IV, "Standard Specifications And Details For Construction". In the event of conflict between the standards and specifications, the prevailing guidelines shall be selected by the Engineer.
  - For details of standard storm drain structures refer to the latest edition of the following: the Maryland Department of Transportation, State Highway Administration's "Book of Standards, Highway and Incidental Structures" and Howard County Department of Public Works Design Manual, Volume IV, "Standard Specifications And Details For Construction".
  - All standard structures are subject to modification by the Engineer to meet field conditions.
  - Where the drop in the main line through a storm drain structure can be accommodated by an invert slope of 1 1/2 horizontal to 1 vertical or flatter, a rounded channel lined with sewer brick on edge shall be built to the crown of the pipe.
  - Where the drop in the main line through a storm drain structure can not be accommodated by an invert slope of 1 1/2 horizontal to 1 vertical or flatter, the invert of the structure shall be lined with granite blocks, at least 4 inches thick; no shaped channel will be required for this type of construction, however the invert shall slope at least one-half inch per foot toward the invert of the outlet pipe.
  - Information concerning existing underground utilities was obtained from available records, however the contractor must determine the location and elevation of all utilities by digging test pits by hand at all utility crossings well in advance of construction. If clearances are less than those shown on the plan or twelve (12) inches, whichever is less, contact the Engineer and the appropriate utility before proceeding with construction.
  - Pipe bedding is to be in conformance with Howard County Department of Public Works Standard G2.01.
  - Shop drawings for pre-cast storm drain structures must be approved by design engineer and Howard County Department of Public Works prior to fabrication.
  - The contractor shall notify "Miss Utility" at 1-800-257-7777 for utility locations at least 48 hours in advance of beginning construction.



**STORM DRAIN PROFILE**

STRUCTURE SCHEDULE				
N2	TYPE AND STANDARD	WIDTH	TOP ELEV.	REMARKS
S-1	Shallow Brick Manhole Std. Q 5.05	4'-0"	382.5	
S-2	Oil/Grit Separator	5'-0"	380.0	See Detail 1, This Sheet

PIPE SCHEDULE		
DIAMETER	TYPE	LENGTH
18"	RCP, Class II	24'

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James J. Shaw 4/30/90  
DIRECTOR DATE

Michael R. Roney 3-6-90  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC/PRIVATE WATER AND PUBLIC/PRIVATE SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd 5/3/90  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

12-20-89

Frank C. Taylor 5/18/90  
DIRECTOR DATE

Frank C. Taylor 5/18/90  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

**ON-SITE STORM DRAIN & STORMWATER MANAGEMENT PLAN**

**MOBIL OIL CORPORATION**  
DORSEY SEARCH VILLAGE CENTER  
2ND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

Designed S.L.W.	Drawn C.M.A.
Date 2/18/89	Scale As Noted
Job No. 88 E14	Sheet 6 of 6

**Macris, Hendricks and Witmer P.A.**  
Engineers • Planners • Surveyors

Suite 120  
9220 Wightman Road  
Gaithersburg, Maryland  
20879

(301) 870-0840