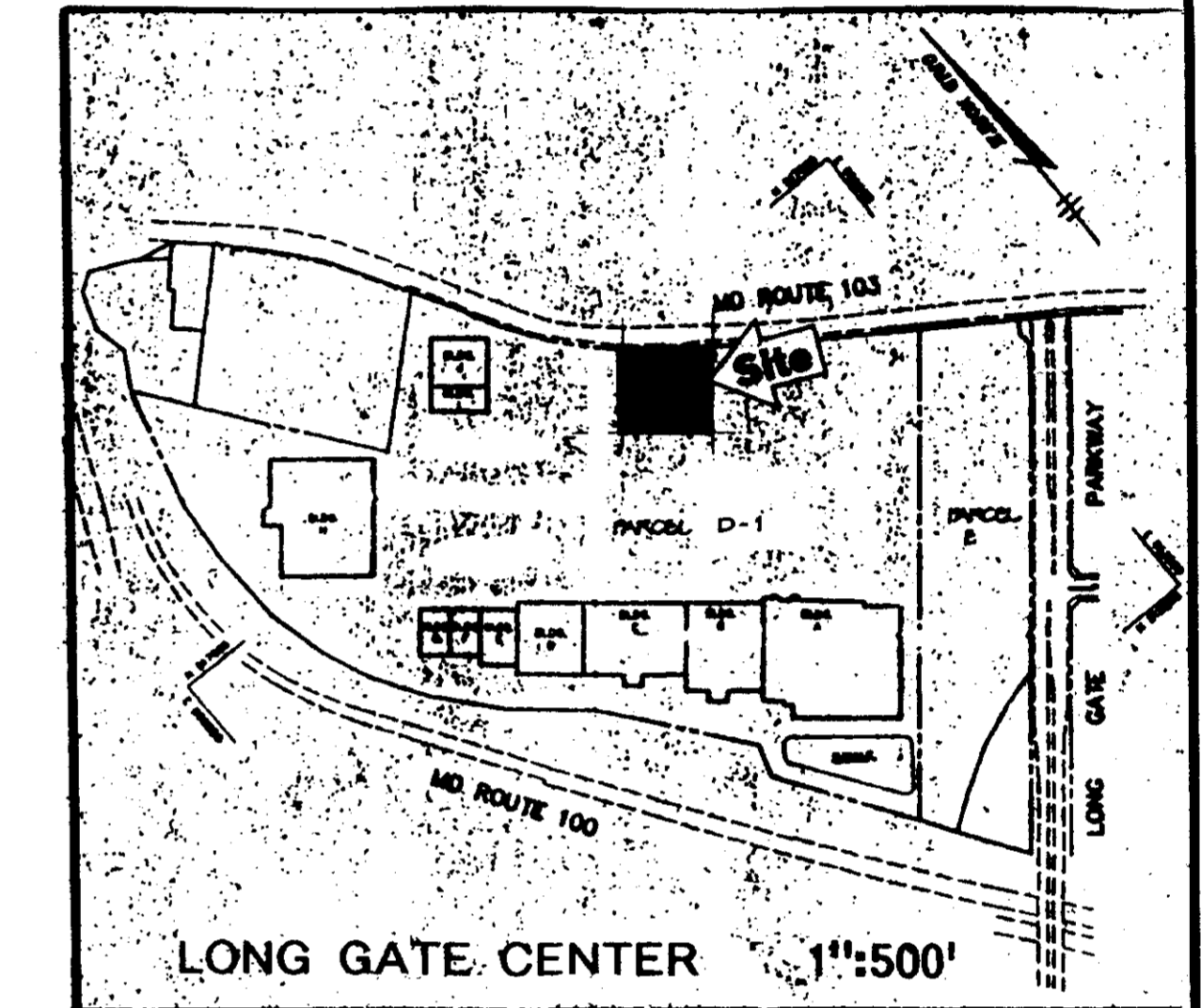


LOCATION MAP
SCALE: 1"=2000'

HOWARD COUNTY CONTROL STATIONS:
NAD 27, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY MONUMENT
NOS. 3043001-R AND 2943002.



LONG GATE CENTER 1"=500'

SITE DEVELOPMENT PLAN

FOR

MOBIL OIL CORPORATION

SS# 16-JD4

LONG GATE SHOPPING CENTER, PARCEL H

2nd ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

SHEET INDEX

1. COVER SHEET
2. SITE PLAN
3. GRADING & UTILITIES PLAN
4. SEDIMENT & EROSION CONTROL PLAN
5. STORM DRAIN PROFILES & CALCULATIONS
6. LANDSCAPE PLAN
7. MISCELLANEOUS NOTES & DETAILS
8. MISCELLANEOUS DETAILS
9. ELEVATIONS

SITE ANALYSIS

Area of Parcel:	45,762 Square Feet (1.05 Acres)	
Present Zoning:	B2	
Disturbed Area:	45,062 (1.03 Ac)	
Proposed Use:	Motor vehicle fuel sales (Gasoline service station), automated car wash and convenience store.	
Floor Space:	Convenience Store	3,055 s.f.
	Car Wash & Storage	649 s.f.
	Canopy	2,148 s.f.
	TOTAL	5,851 s.f.
Maximum # Employees:	7	
<u>Parking Required</u>		
Service Station w/ Car wash	4 spaces	
Convenience Store:	7 spaces	
TOTAL REQUIRED	11 spaces	
<u>Parking Provided</u>	16 spaces	
Building Coverage:	4,283 s.f. (9.4% of Parcel)	
Paved Parking Lot Coverage:	18,570 s.f. (40.6% of Parcel)	
Open Space Coverage:	19,928 s.f. (43.6% of Parcel)	

OWNER:
MOBIL OIL CORP.
10617 BRADDOCK RD.
FAIRFAX, VA 22032
PH: (703) 219-2000

BENCHMARKS

BM#1 STA 3043001-R
ELEVATION 437.92
N 516,549.55 E 853,656.51
32'± NORTH OF BGE TOWER 276-A
BEHIND SCHOOL GROUNDS

BM#2 STA 2943002
N 513,205.90 E 857,478.69
LOCATED ON THE TRANSMISSION LINE
1,700'± NORTH OF INTERSECTION OF
ROUTE 103 AND NEW CUT ROAD
1,150'± EAST OF NEW CUT ROAD

ADDRESS CHART	
PARCEL H	4360 MONTGOMERY ROAD

PERMIT INFORMATION CHART				
SUBMISSION NAME	LONG GATE CENTER	SECT. / AREA	PARCEL	H
PLAT	24	ZONING	B-2	ELECTION DISTRICT
(222)		TAX MAP	24	2ND
WATER CODE	F-09	SEWER CODE	5750601	CENSUS TRACT
				6023.02

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

James M. Boydlandper & fm 7/14/97
COUNTY HEALTH OFFICER / MRO DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

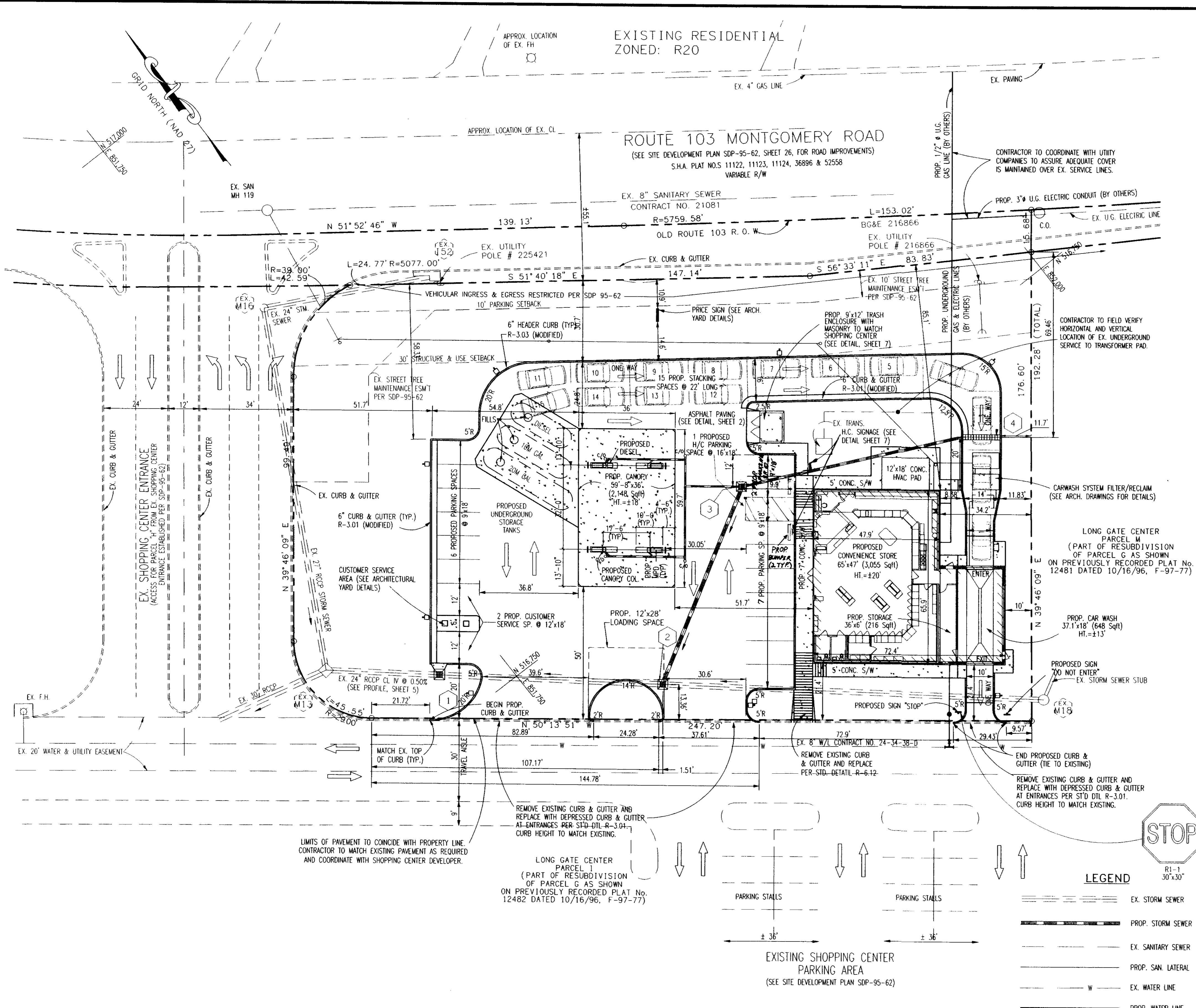
James J. Smith 8/5/97
DIRECTOR DATE

Richard Blodgett 7/15/97
CHIEF, DEVELOPMENT ENGINEER DIVISION DATE

Richard Blodgett 8/1/97
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

COVER SHEET

<table border="1"> <tr> <th>No.</th> <th>REVISION</th> <th>DATE</th> <th>BY</th> <th>CHK</th> </tr> <tr> <td>4</td> <td>REVISE PER COUNTY COMMENTS</td> <td>8/2/97</td> <td>DD</td> <td>AV</td> </tr> <tr> <td>3</td> <td>REVISE PER COUNTY COMMENTS</td> <td>6/20/97</td> <td>DAI</td> <td>AV</td> </tr> <tr> <td>2</td> <td>REVISE PER COUNTY COMMENTS</td> <td>5/5/97</td> <td>BEK</td> <td>JAC</td> </tr> <tr> <td>1</td> <td>REVISE PER COUNTY COMMENTS</td> <td>2/6/97</td> <td>BEK</td> <td>JAC</td> </tr> </table>	No.	REVISION	DATE	BY	CHK	4	REVISE PER COUNTY COMMENTS	8/2/97	DD	AV	3	REVISE PER COUNTY COMMENTS	6/20/97	DAI	AV	2	REVISE PER COUNTY COMMENTS	5/5/97	BEK	JAC	1	REVISE PER COUNTY COMMENTS	2/6/97	BEK	JAC	<p><i>AJ Volante</i> 21372</p>	<p>TYBEE ENGINEERING, P.C. DESIGN ENGINEERING</p> <ul style="list-style-type: none"> CIVIL & CONSULTING ENGINEERS TRAFFIC ENGINEERS SURVEYORS <p>TEL. (703) 904-8350 FARMINGDALE, N.Y.</p> <p>15 DOUGLAS COURT STERLING, VA 20186 BURLINGTON, N.J.</p> <p>FAX. (703) 904-8356 BROOKFIELD, CT.</p>	<p>Mobil USM&R Asset Services DESIGN ENGINEERING FAIRFAX, VIRGINIA</p> <table border="1"> <tr> <td>DESIGN ENGINEER</td> <td>BEM</td> <td>11/12/96</td> <td>APPROVED</td> </tr> <tr> <td>DESIGN CHECK</td> <td>MSS</td> <td>11/12/96</td> <td></td> </tr> <tr> <td>DRAWN BY</td> <td>BEK</td> <td>11/12/96</td> <td></td> </tr> <tr> <td>DRAWING CHECK</td> <td></td> <td></td> <td></td> </tr> </table>	DESIGN ENGINEER	BEM	11/12/96	APPROVED	DESIGN CHECK	MSS	11/12/96		DRAWN BY	BEK	11/12/96		DRAWING CHECK				<p>MOBIL OIL CORPORATION SS# 16-JD4 LONG GATE SHOPPING CENTER, PARCEL H, TAX MAP# 24, GRID 24 PARCELS: P/O 501 & P/O 676, 2ND ELECTION DIST. ELLCOTT CITY, HOWARD COUNTY, MARYLAND</p> <p>SCALE: NONE PROJECT No: P97178/S95018 DRAWING No: 95018011</p> <p>SHEET 1 OF 9 REV. No 3</p>
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DRAWING CHECK																																													



GENERAL NOTES

- All construction shall be in accordance with the latest standards and specifications of Howard County plus M.S.H.A. standards and specifications if applicable.
- Approximate location of existing utilities are shown from best available information. The contractor shall take all necessary precautions to protect the existing utilities and maintain uninterrupted service. Any damage incurred due to contractor's operation shall be repaired immediately at the contractor's expense.
- The contractor shall test pit existing utilities at least (5) days before starting work shown on these drawings to verify their location and elevation. The contractor shall notify the engineer immediately if location of utilities is other than shown.
- The contractor shall notify the Department of Public Works Construction Inspection Division at 313-1880 at least five (5) working days prior to the start of work.
- Contractor to notify the following utilities or agencies at least five days before starting work shown on these drawings:
 - M&S Utility 1-800-257-7777
 - Belt Atlantic Telephone Utilities 725-9976
 - Howard County Bureau of Utilities 313-4900
 - AT&T Cable Location Division 393-3553
 - Baltimore Gas & Electric Company 685-0123
 - State Highway Administration 531-5533
- 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 inlets shall be constructed in accordance with Howard County standards.
- All storm drain pipe bedding shall be as shown in detail G2.01 (trench in rock or trench in earth as determined by field conditions) in Vol. IV of Howard County Design Manual, unless otherwise directed by the engineer or as shown on the drawings.
- The developer is responsible for the acquisition of all easements, rights and/or rights-of-way that may be required for the sediment and erosion control practices, stormwater management practices and the discharge of stormwater onto or access adjacent or downstream properties included in this plan. He is also responsible for the acquisition of all easements. Rights and/or work on adjacent properties included in this plan.
- The pavement details shown on these plans reflect the Howard County minimum standard pavement sections and are not based on site specific conditions. Prior to paving, the final pavement sections shall be determined by a qualified geotechnical engineer based on in-situ testing of the finished subgrade. Any pavement section determined by the geotechnical engineer to be less than the Howard County Minimum standard, shall first be approved by the Howard County Department of Public Works. The testing and geotechnical engineer shall be furnished by the Owner.
- Stormwater management quantity and quality control for this development is provided by The Long Gate Center retention facility; stormwater management facilities will be privately owned and maintained. (See site plan titled "LONG GATE CENTER PARCELS B&E", prepared by Riener, Muegge & Associates, Inc. (SDP-95-62).
- Topography is taken from "ALTA Survey for parcel H, Long Gate Center", prepared by Riener, Muegge & Associates, Inc. dated 3/24/97.
- Any damage to the County's right-of-way shall be corrected at the developer's expense.
- Water meters are to be located inside the buildings.
- The coordinates near this site and on the Long Gate Center site development plan # SDP-95-62 are based on NAD83. Horizontal coordinate system as projected by Howard County Monument Nos. 3043001-R and 2943002.
- WP-94-60, a request to waive Section 16.119(f)(2) to permit a commercial driveway direct access to a minor arterial highway, MD Route 103, was approved on May 13, 1994 for Long Gate Center.
- Contractor is solely responsible for construction means, methods, techniques, sequences, procedures, and safety precautions.
- WP-95-64, a request to waive section 16.116(a) which restricts development within a 100 year floodplain 16.116(a)(1) and (2) which restricts grading within a wetland and stream, 16.119(f)(1) which requires minor collectors or lower road classification access to arterial roads and 16.144(a) and (f) which require processing of sketch and preliminary plans for subdivision was approved March 15, 1995 for Long Gate Center.
- Public water and sewer are to be utilized for this project. The contract no. is 24-3430-0 and is located in the 108 Pumping Station Drainage Area.
- There is no onsite 100 year floodplain.
- Traffic study provided by the Traffic Group, Inc.
- The boundary description for the property was taken from the ALTA survey prepared by Riener, Muegge & Associates, Inc., for Long Gate Center, Parcel F, G & H, dated 5/1/96 known as Plat 12221, F-96-163.

BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

DEVELOPER: Mobil Oil Corp. DATE: 7/1/97

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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

ENGINEER: [Signature] DATE: 7/1/97

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

NATURAL RESOURCES CONSERVATION SERVICE DATE: 6/24/97

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE: 6/24/97

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR: [Signature] DATE: 6/24/97

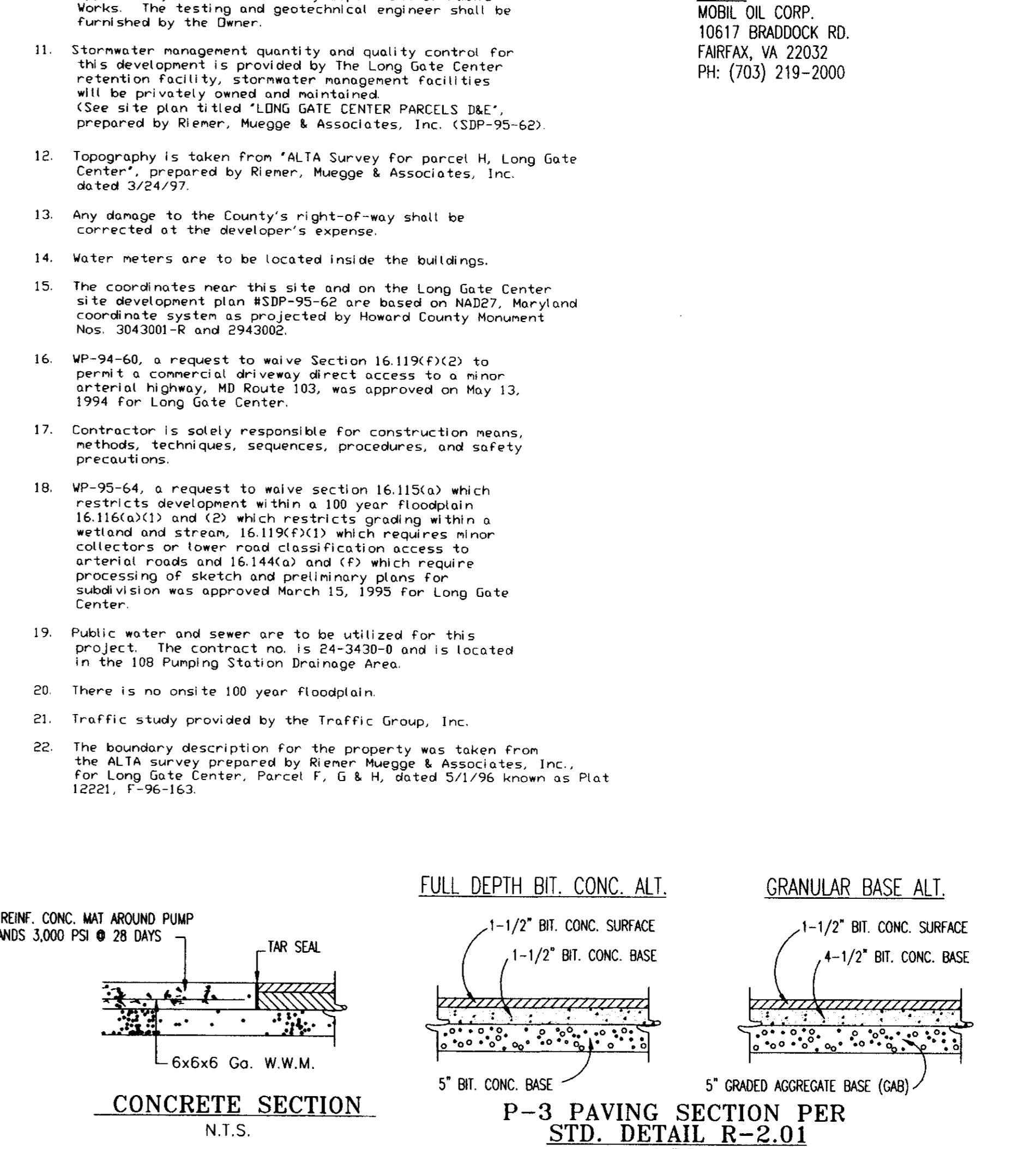
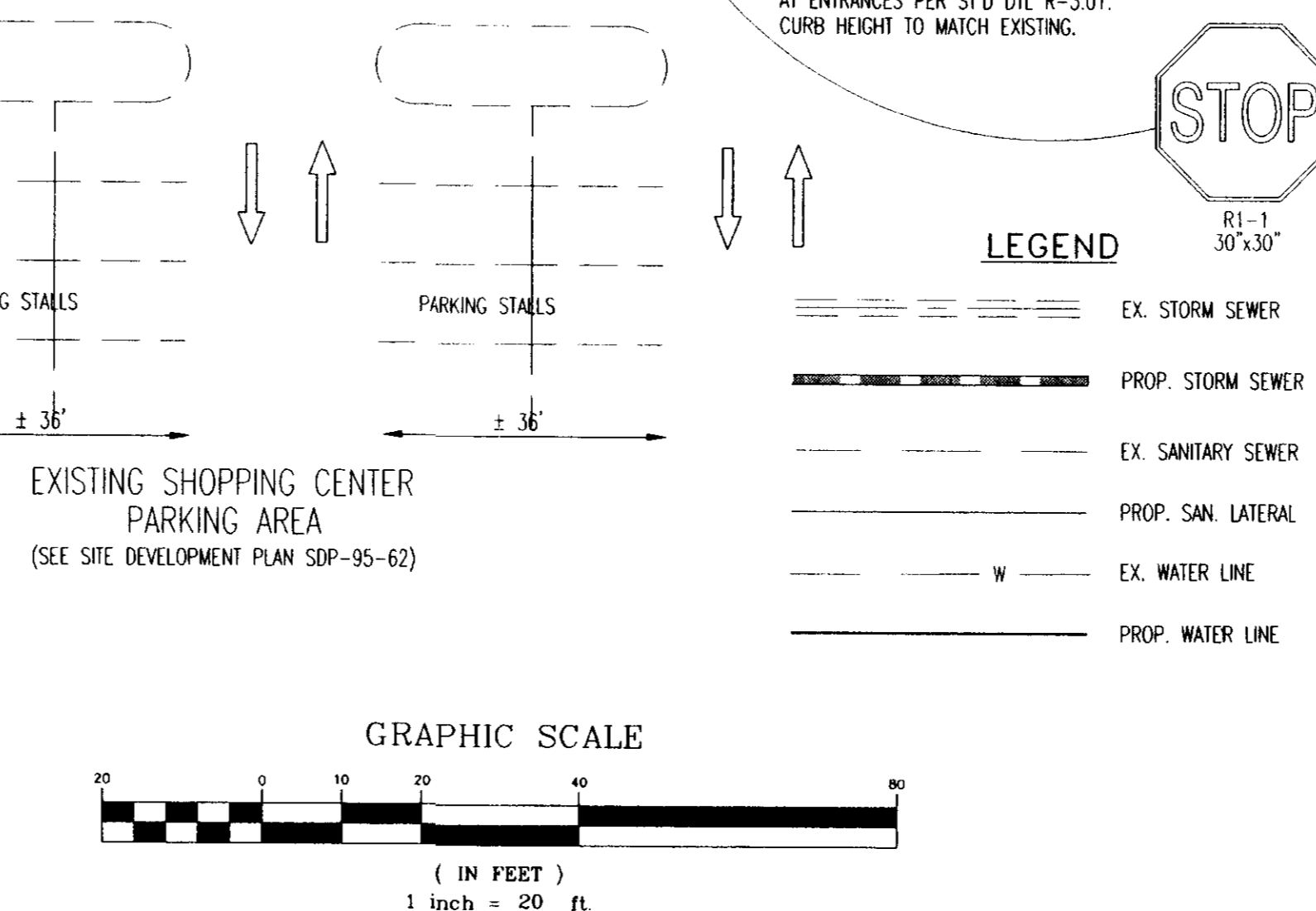
CHIEF, DEVELOPMENT ENGINEER DIVISION: [Signature] DATE: 7/2/97

ENGINEER: [Signature] DATE: 6/15/97

OWNER:
MOBIL OIL CORP.
10617 BRADDOCK RD.
FAIRFAX, VA 22032
PH: (703) 219-2000

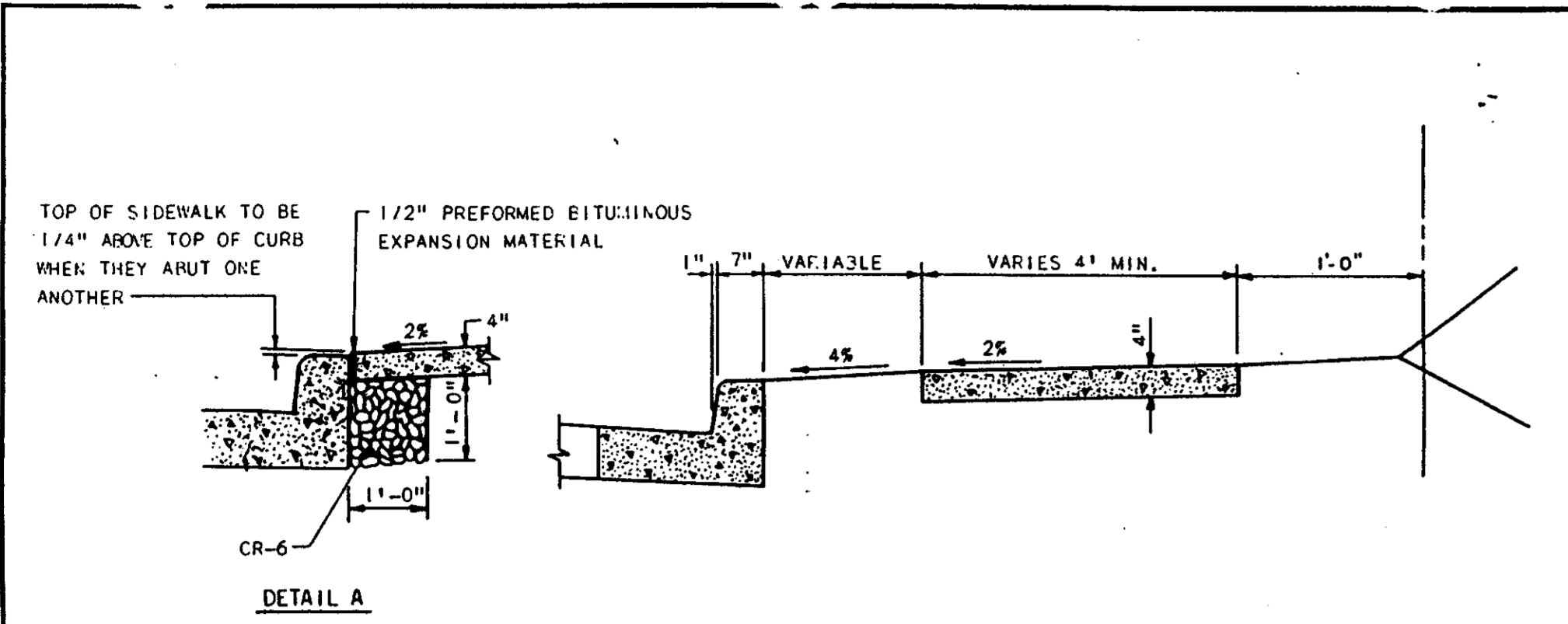
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

[Signature] DATE: 7/1/97



NO.	REVISION	DATE	BY	CHK.	APPR.	NO.	REVISION	DATE	BY	CHK.	APPR.
5	RELIEF PER COUNTY COMMENTS	8/1/97	SDP	ATP							
4	REVISE PER COUNTY COMMENTS	7/1/97	SDP	ATP							
3	REVISE PER COUNTY COMMENTS	6/20/97	BEK	JAC							
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TYRE ENGINEERING, P.C. CIVIL & CONSULTING ENGINEERS TRAFFIC ENGINEERS SURVEYORS TEL: (703) 904-8350 FARMINGDALE, N.Y.		Mobil US&R Asset Services DESIGN ENGINEERING ENVIRONMENTAL & SITE PLANNERS ARCHITECTURAL DESIGNERS PROJECT MANAGERS TEL: (703) 904-8350 15 DOUGLAS COURT STERLING, VA 20166		DESIGN ENGINEER: BEK 11/12/96 DESIGNER: MSS 11/12/96 CHECK: BEK 11/12/96 DRAWN BY: BEK 11/12/96 DRAWING CHECK: [Signature]		MOBIL OIL CORPORATION SS# 16-JD4 LONG GATE SHOPPING CENTER, PARCEL H, TAX MAP# 24, GRID 24 PARCELS: P/O 501 & P/O 676, 2ND ELECTION DIST. ELLICOTT CITY, HOWARD COUNTY, MARYLAND SCALE: 1"=20' PRODUCT No. P97178/S95018 DRAWING No. 95018021		SHEET 2 OF 9 REV. No. 3
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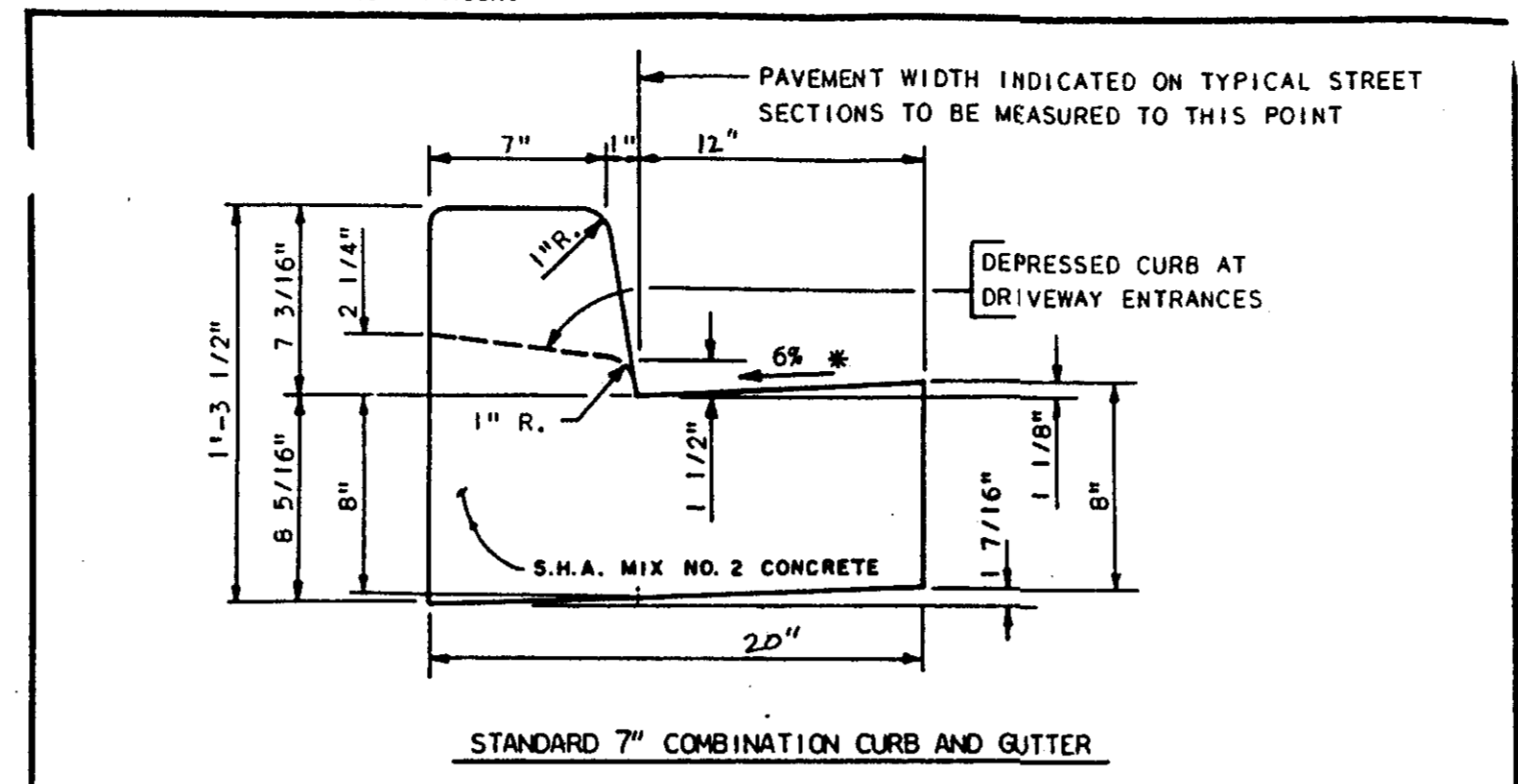


- NOTES:**
- SIDEWALK TO BE SCRIBED IN 5' MAXIMUM SQUARES.
 - EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO BE MORE THAN 15' APART.
 - 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.
 - CONCRETE TO BE MIX NO. 2.
 - WHEN SIDEWALK ABUTS CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB AND RESTING ON A COMPACTED CRUSHED STONE BASE. SEE DETAIL A THIS SHEET.
 - ON LONGITUDINAL SIDEWALK GRADES OF 5% OR GREATER, A CONCRETE HEADER, 6" THICK AND 6" DEEP BELOW THE NORMAL 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 48 FEET. THE HEADERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: *[Signature]* Chief-Bur. of Engr. Date

CONCRETE SIDEWALK

REV. JAN. 1989
REV. JAN. 1990
DRAWN BY: W.T. BALLARD
CHECKED BY: J.L.R.
NO SCALE
R-3.05



PAVEMENT WIDTH INDICATED ON TYPICAL STREET SECTIONS TO BE MEASURED TO THIS POINT

DEPRESSED CURB AT DRIVEWAY ENTRANCES

S.H.A. MIX NO. 2 CONCRETE

STANDARD 7" COMBINATION CURB AND GUTTER

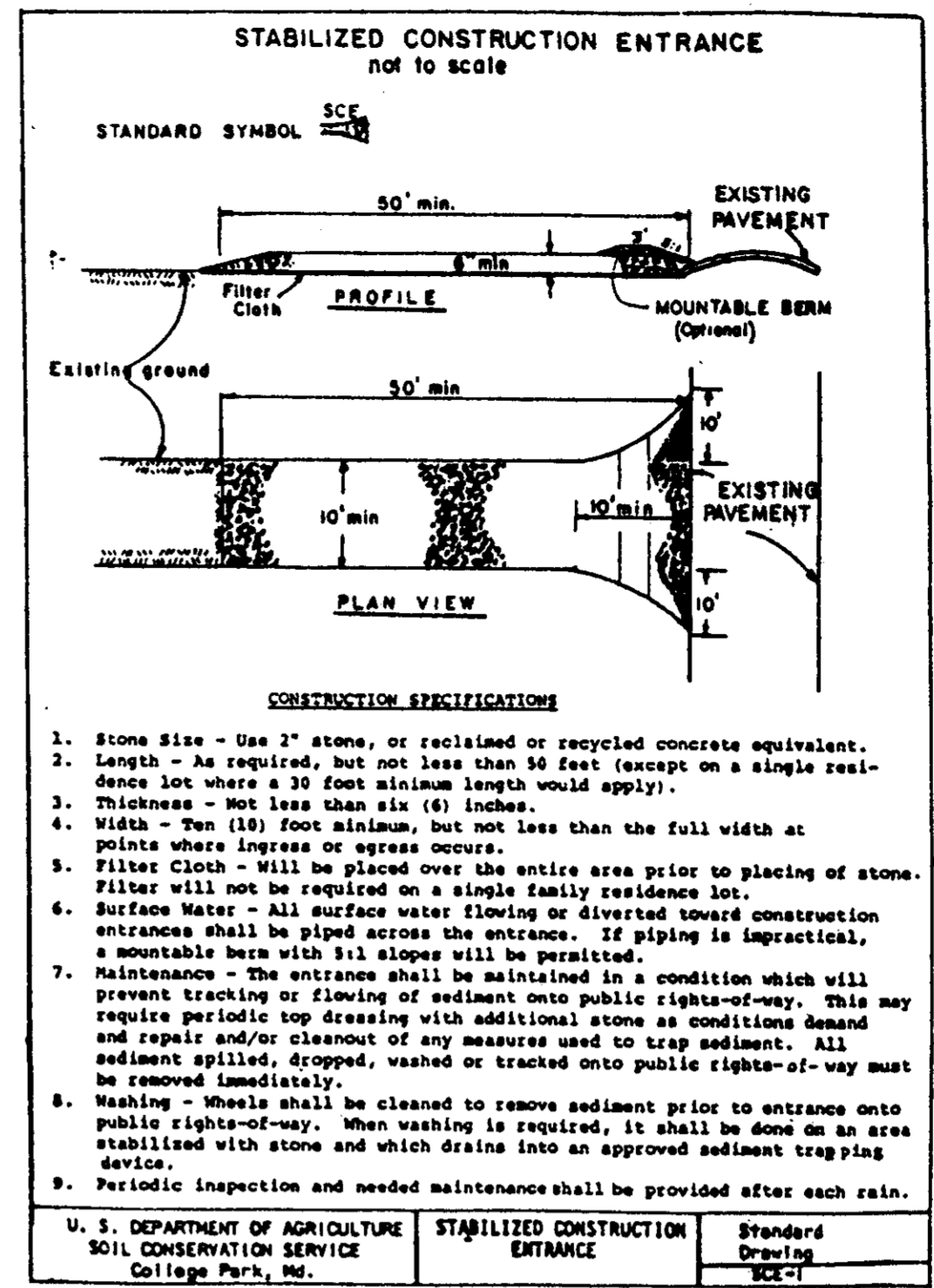
GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AND IN THE SAME DIRECTION AS THE PAVEMENT. MATCH PAVEMENT CROSS SLOPE WHEN CURB IS LOCATED ON THE LOW SIDE OF SUPERELEVATED SECTION AND THE RATE OF SUPERELEVATION IS GREATER THAN 3% FOR MODIFIED CURB AND GUTTER.

REV. JAN. 1989
REV. JUN. 1987
REV. MAR. 1986

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: *[Signature]* Chief-Bureau of Engineering

COMBINATION CURB AND GUTTER

DRAWN BY: W.T. BALLARD
CHECKED BY: J.L.R.
NO SCALE
R-3.01



BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

DEVELOPER: Mobil Oil Corp. DATE: 6/24/97

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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

ENGINEER: *[Signature]* DATE: 6-21-97

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

NATURAL RESOURCES CONSERVATION SERVICE DATE: 6-21-97

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE: 6-21-97

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR: *[Signature]* DATE: 6/5/97

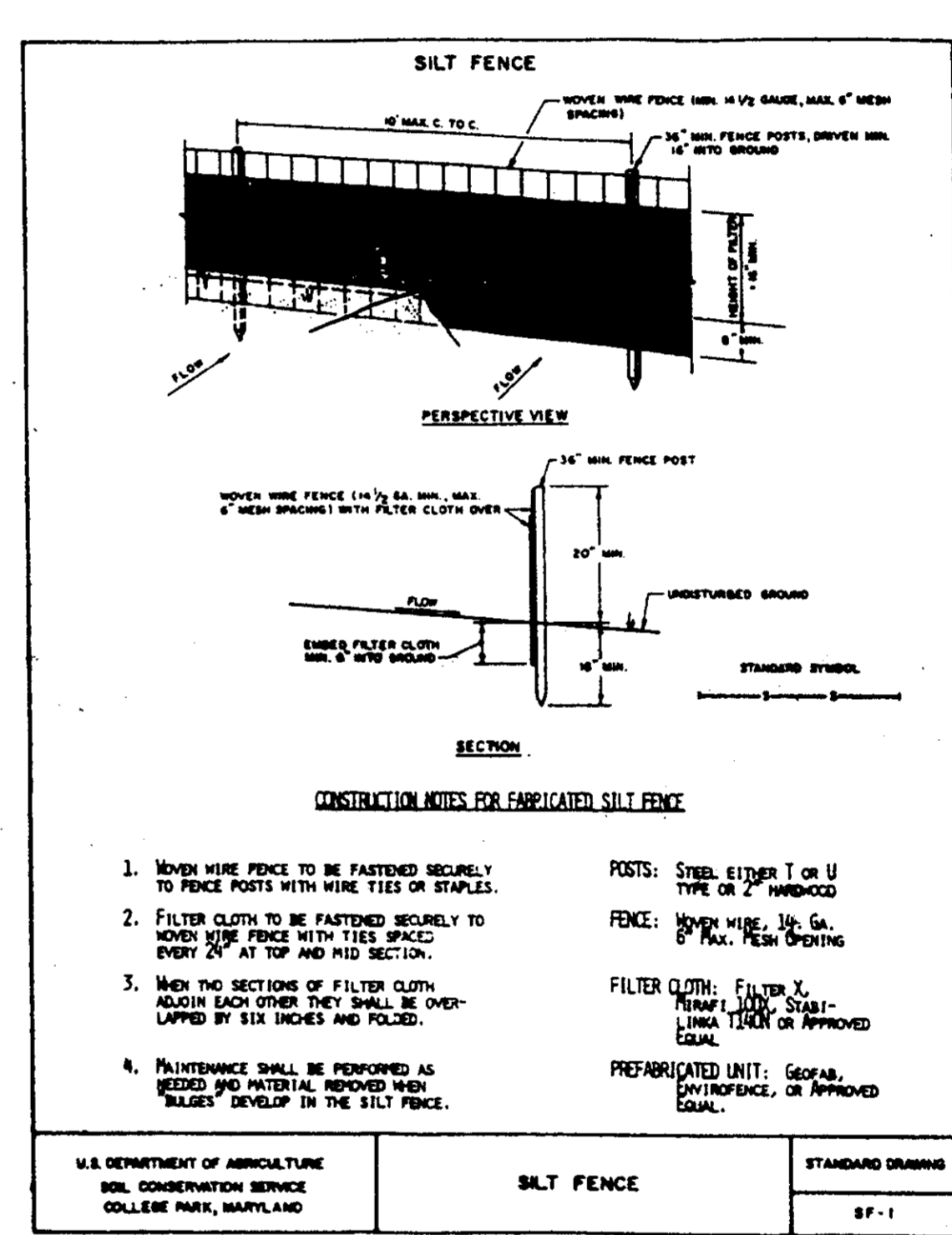
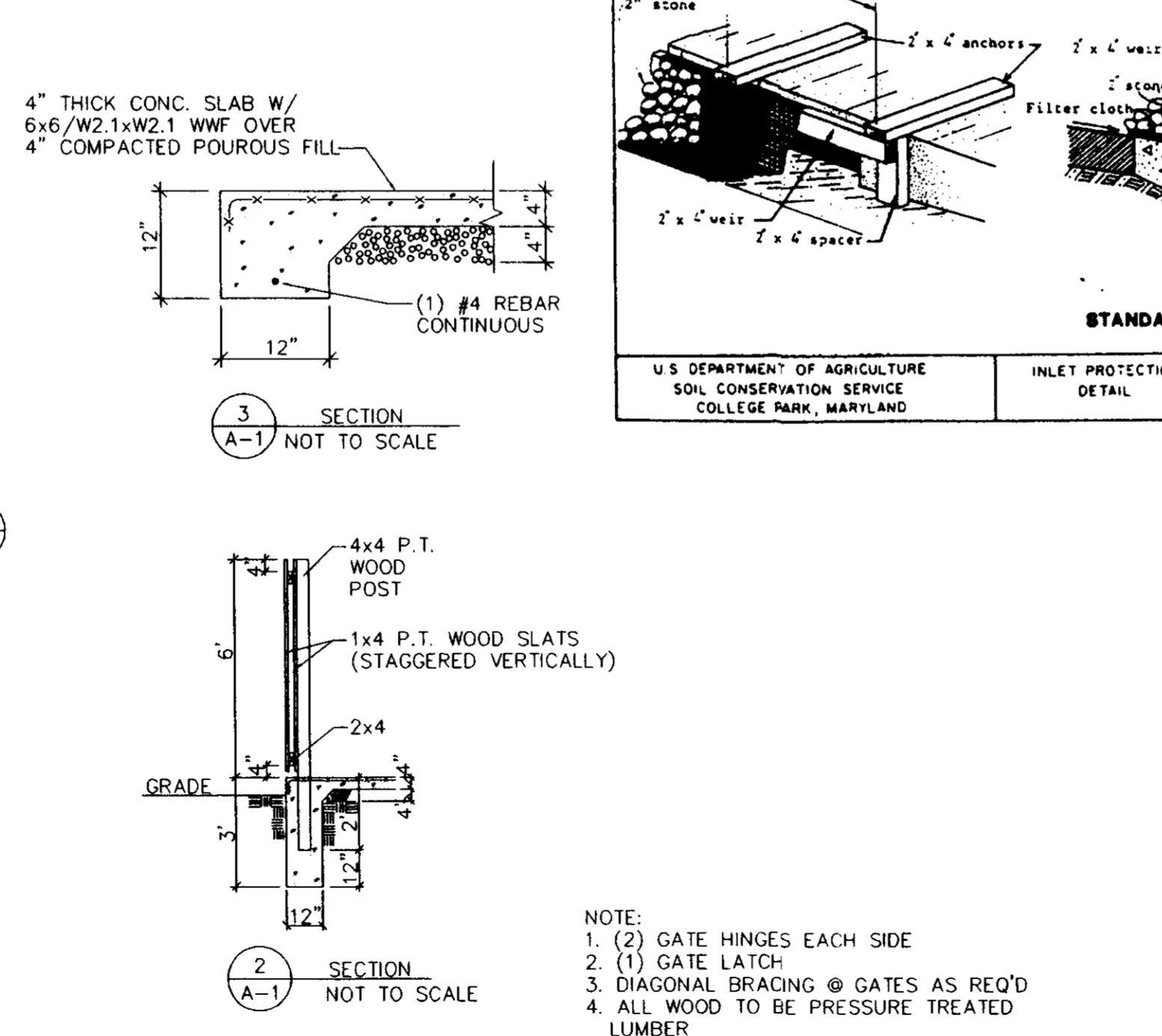
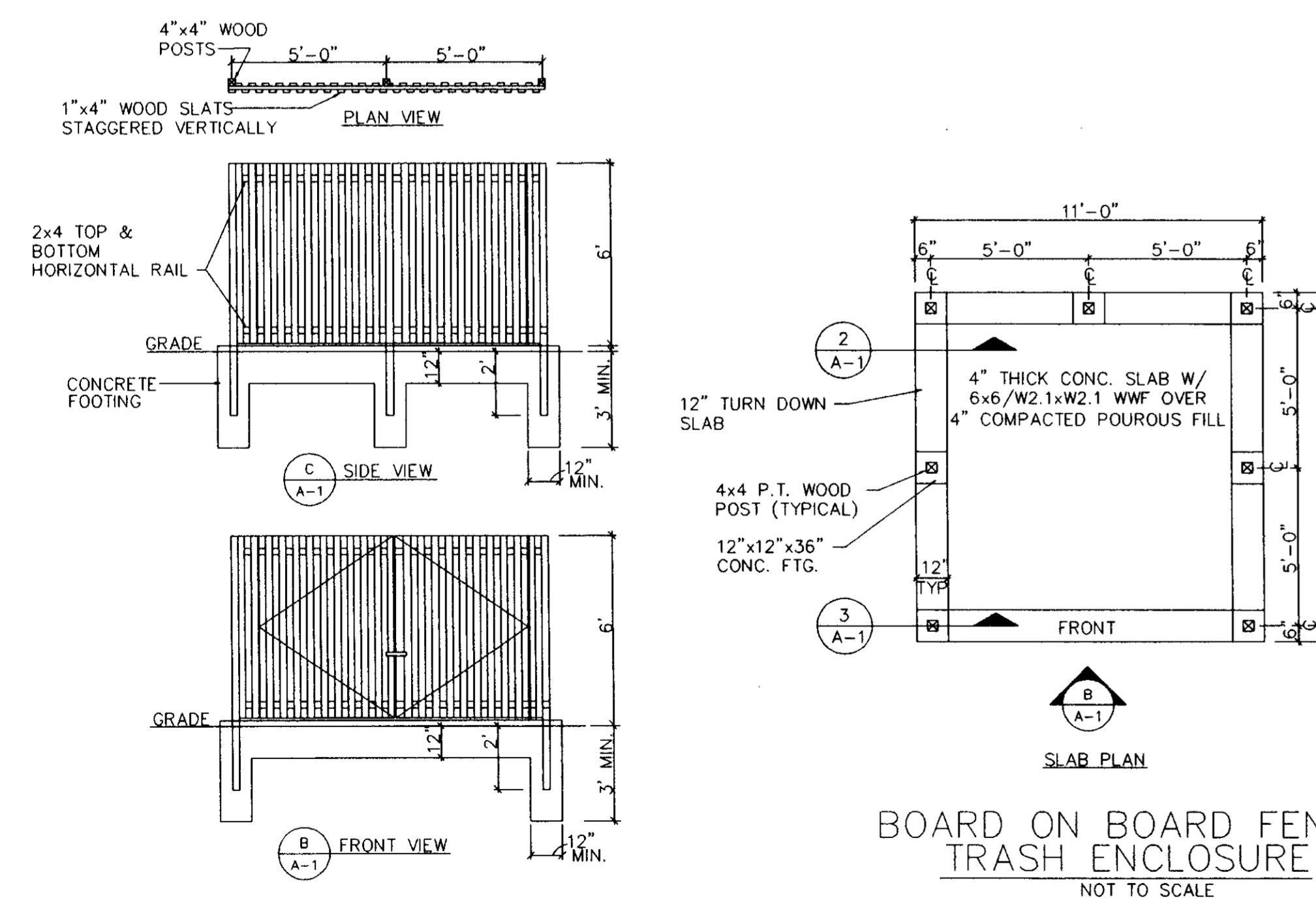
CHIEF, DEVELOPMENT ENGINEER DIVISION: *[Signature]* DATE: 7/2/97

CHIEF, DIVISION OF LAND DEVELOPMENT: *[Signature]* DATE: 5/4/97

OWNER:
MOBIL OIL CORP.
10617 BRADDOCK RD.
FAIRFAX, VA 22032
PH: (703) 219-2000

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

COUNTY HEALTH OFFICER: *[Signature]* DATE: 7/14/97



No.	REVISION	DATE	DRN.	CHK.	APR.	No.	REVISION	DATE	DRN.	CHK.	APR.
1	REVISE PER COUNTY COMMENTS	6/20/97	W.T.B.	J.L.R.							

TYBEE ENGINEERING, P.C.

• CIVIL & CONSULTING ENGINEERS
• TRAFFIC ENGINEERS
• SURVEYORS

ENVIRONMENTAL & SITE PLANNERS
ARCHITECTURAL DESIGNERS
PROJECT MANAGERS

TEL. (703) 904-8350
15 DOUGLAS COURT
STERLING, VA 20166

FAX. (703) 904-8356
BROOKFIELD, CT. AUBURN, MASS.

Mobil US&M Asset Services

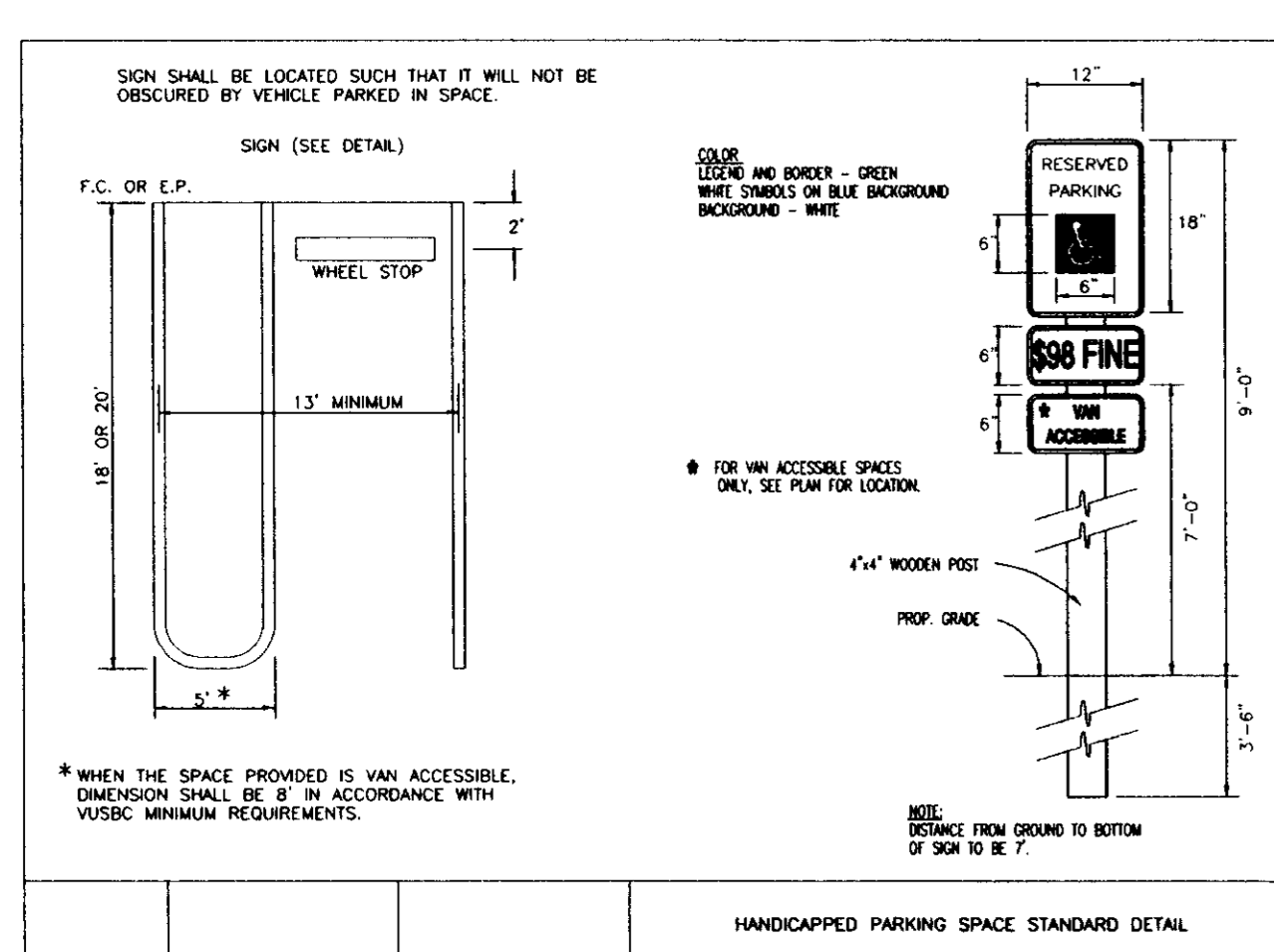
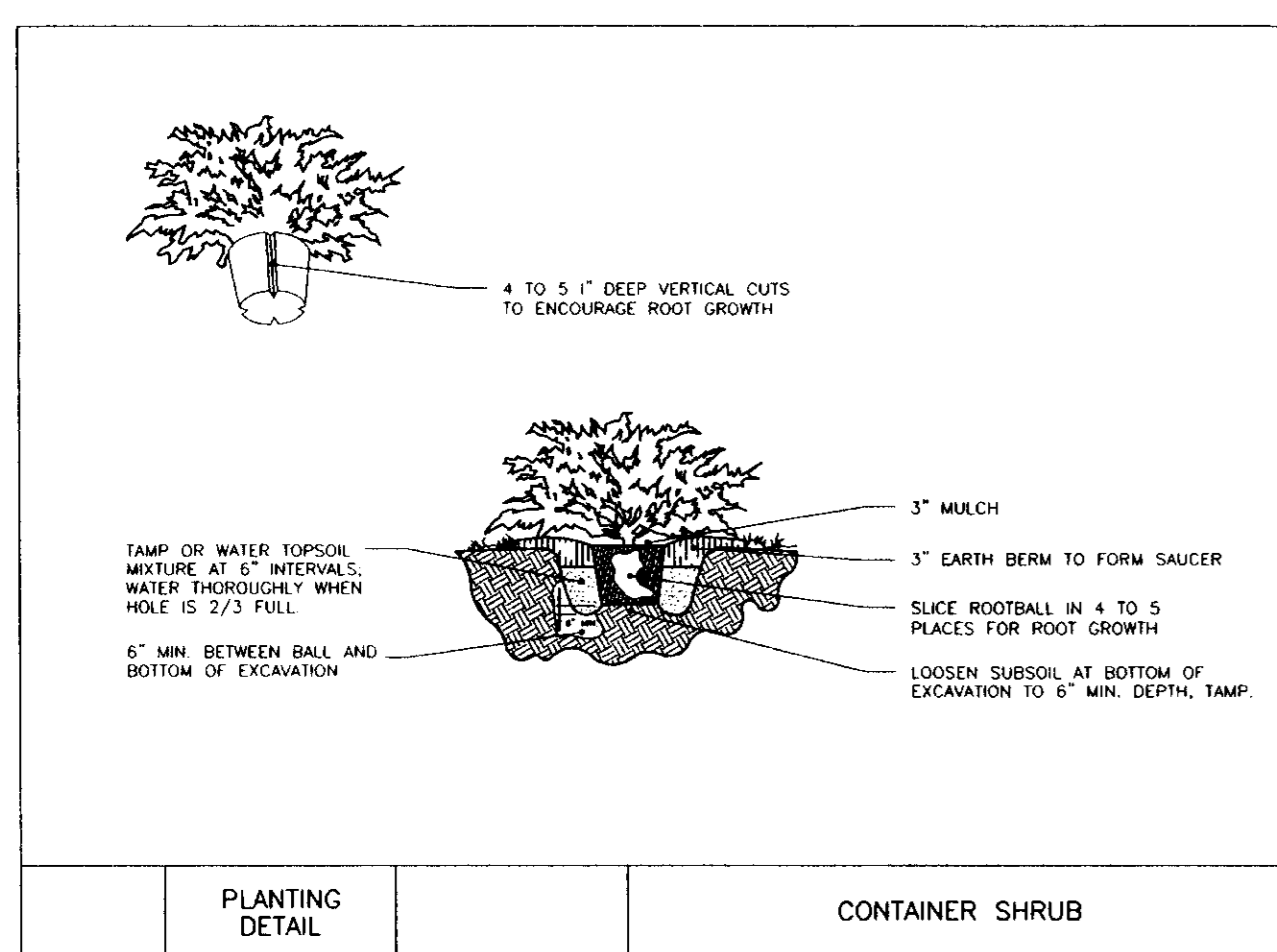
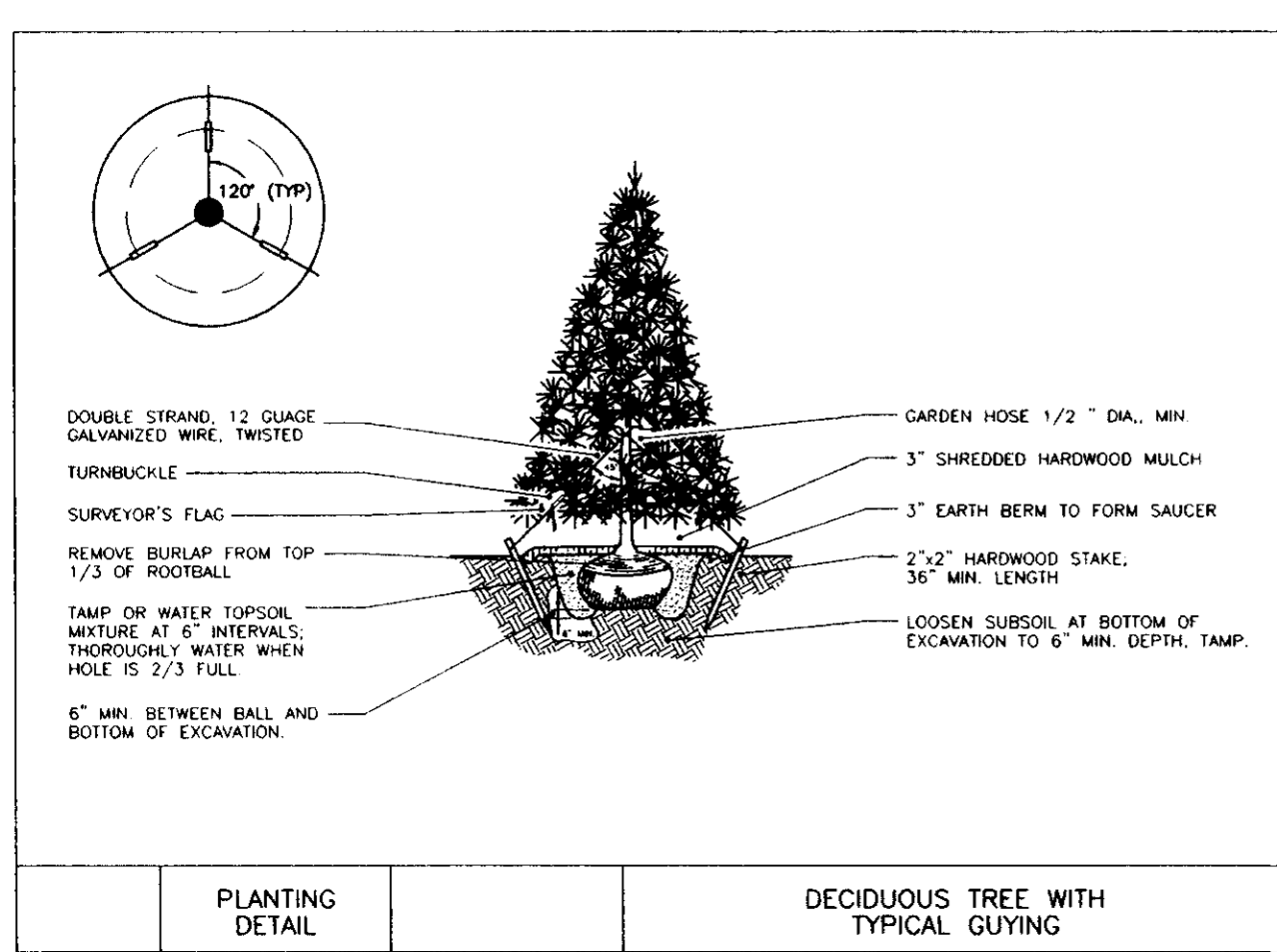
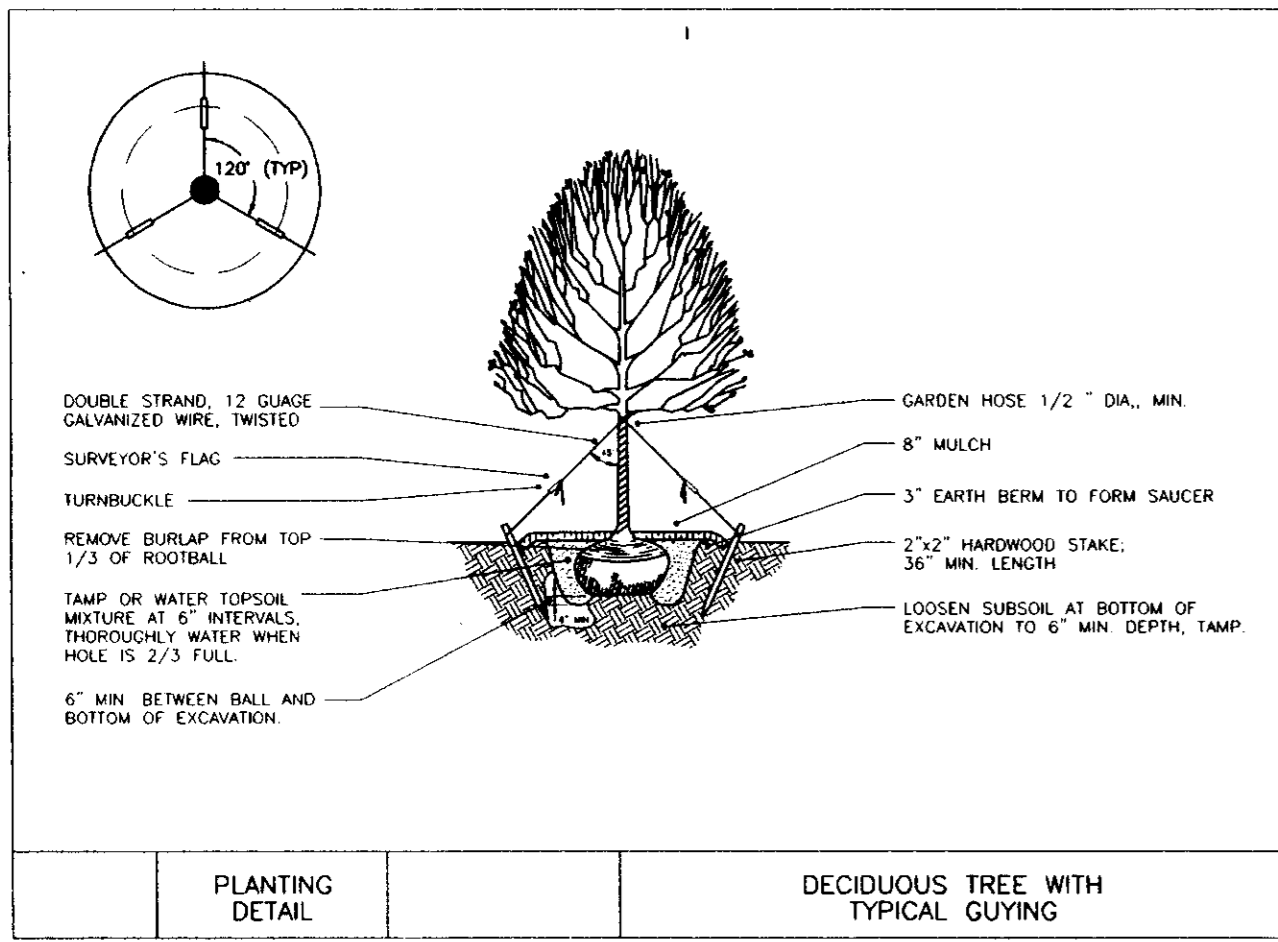
DESIGN ENGINEERING
FAIRFAX, VIRGINIA

DESIGN ENGINEER: BEW 11/12/96
DESIGN CHECK: MSS 11/12/96
DRAWN BY: BEK 11/12/96
DRAWING CHECK: []

MOBIL OIL CORPORATION
SS# 16-04
LONG GATE SHOPPING CENTER, PARCEL H, TAX MAP# 24, GRID 24
PARCELS: P/O 501 & P/O 676, 2ND ELECTION DIST.
ELLCOTT CITY, HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
PROJECT No: P97178/S95018
DRAWING No: 9501801

SHEET 8 OF 9
REV. No. 1



PLANTING SPECIFICATIONS

- SCOPE OF WORK:**
 - THIS WORK SHALL CONSIST OF PERFORMING CLEARING AND SOIL PREPARATION, FINISH GRADING, PLANTING, AND DRAINAGE, INCLUDING ALL LABOR, MATERIALS, TOOLS, EQUIPMENT AND ANY OTHER APPROPRIATE SERVICES NECESSARY FOR THE COMPLETION OF THIS PROJECT.
 - TOPSOIL** - A SOIL ANALYSIS REPORT SHALL BE SUBMITTED AND SHOW THE PERCENTAGE OF EACH CONSTITUENT, PH, AND OTHER PERTINENT SOIL CHARACTERISTICS. RECOMMENDATIONS SHOULD INCLUDE QUANTITIES OF EACH SOIL AMENDMENT AND FERTILIZER REQUIRED TO ACHIEVE OPTIMUM SOIL CONDITIONS.
 - PLANTING SCHEDULE** - ALL PLANT MATERIAL SHALL BE PLANTED NO EARLIER THAN APRIL 15 AND MAY CONTINUE THROUGH MAY 15 OR BEGIN AUGUST 15 BUT CONTINUE NO LATER THAN DECEMBER 1 OR UNTIL GROUND FREEZES. DO NOT INSTALL PLANT MATERIALS WHEN TEMPERATURES ARE BELOW 35 DEGREES FAHRENHEIT OR ABOVE 90 DEGREES FAHRENHEIT.
- MATERIALS:**
 - GENERAL** - ALL MATERIALS SHALL BE BEST OF ITS KIND AVAILABLE. DO NOT BEGIN SOIL PREPARATION AND PLANTING UNTIL IRRIGATION WORK AROUND PLANTING AREAS IS COMPLETE AND APPROVED.
 - PLANTS** - ALL PLANTS SHALL BE HEALTHY OR NORMAL GROWTH, WELL ROOTED, AND FREE FROM DISEASE AND INSECTS. QUALITY AND SIZE OF PLANT MATERIAL SHALL CONFORM TO THE NATIONAL AND STATE OF GRADING CODE OF NURSERY STOCK AND BE OF NUMBER ONE GRADE - PLANT MATERIAL PROVIDED MUST COMPLY WITH ANSI 2001.
 - FERTILIZER AND SOIL AMENDMENTS**
 - LIME - PULVERIZED DOLOMITIC LIMESTONE CONTAINING NOT LESS THAN 85% TOTAL CARBONATES WITH A MINIMUM OF 30% MAGNESIUM CARBONATES, MINIMUM 80% PASSING A 10-MESH SIEVE AND MINIMUM 50% PASSING A 100-MESH SIEVE.
 - PEAT HUMUS - SHALL BE DECOMPOSED PEAT; PH SUITABLE FOR INTENDED USE.
 - SAND - SHALL BE CLEAN WASHED SAND FREE OF TOXIC MATERIALS.
 - PERLITE - HORTICULTURAL PERLITE OF SOIL, AMENDMENT GRADE.
 - COMMERCIAL FERTILIZER** - GRANULAR, COMMERCIAL GRADE, PH NEUTRAL COMPRISED OF BOTH SLOW AND FAST RELEASE ELEMENTS AND CONTAINING THE FOLLOWING MINIMUM CONTENT OF AVAILABLE PLANT NUTRIENTS:
 - TREES AND SHRUBS: 5% TOTAL NITROGEN, 10% PHOSPHORIC ACID, 5% SOLUBLE POTASH.
 - GROUND COVER: 3% TOTAL NITROGEN, 10% PHOSPHORIC ACID, 5% SOLUBLE POTASH.
 - LAWNS: AVAILABLE NITROGEN CONTENT AS REQUIRED TO PROVIDE 1 POUND PER 1000 SQUARE FEET AT NORMAL APPLICATION RATE, MINIMUM 4% PHOSPHORIC ACID, AND A MINIMUM 2% SOLUBLE POTASH.
- GENERAL WORK PROCEDURES:**
 - LANDSCAPE WORK SHALL BE ACCORDING TO THE A.A.N. (AMERICAN ASSOCIATION OF NURSERYMEN) STANDARDS ESTABLISHED FOR LANDSCAPE CONSTRUCTION AND PLANTING.
- WEEDING:**
 - BEFORE AND DURING PRELIMINARY GRADING AND FINISH GRADING, ALL WEEDS AND GRASSES SHALL BE DUG OUT BY THE ROOTS AND DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- SOIL CONDITIONING:**
 - CULTIVATE ALL AREAS TO BE PLANTED TO A DEPTH OF 6". ALL DEBRIS EXPOSED FROM EXCAVATION AND CULTIVATION SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE.
- PLANTING POSITION:** TREES AND SHRUBS AT THEIR INTENDED LOCATIONS AS PER THE PLANS AND SECURE THE APPROVAL OF THE LANDSCAPE ARCHITECT BEFORE EXCAVATING PITS, MAKING NECESSARY ADJUSTMENTS AS DIRECTED.
 - PLANTING PITS SHALL BE DUG WITH LEVEL BOTTOMS, WITH WIDTH TWICE THE DIAMETER OF ROOT BALL AND 6" DEEPER THAN THE LENGTH OF ROOT BALL. ALL EXCAVATED SUBSOIL FROM THE SITE SHALL BE MIXED WITH APPROPRIATE VOLUMES OF SOIL AMENDMENTS AS RECOMMENDED BY SOIL ANALYSIS LABORATORY REPORT AS INDICATED ON PLANS PRIOR USE AS PLANTING BACKFILL.
 - PREPARED SOIL SHALL BE TAMPED FIRMLY AT BOTTOM OF PIT. FILL PREPARED SOIL AROUND BALL OF PLANT 1/2 WAY, AND INSERT PLANT TABLETS. COMPLETE BACK-FILLING AND WATER THOROUGHLY.
 - ALL PLANTS SHALL BE SET SO THAT WHEN SETTLED, THEY BEAR THE SAME RELATION TO THE REQUIRED GRADE AS THEY BORE TO THE NATURAL GRADE BEFORE BEING TRANSPLANTED.
 - IMMEDIATELY AFTER PLANTING, STAKE ALL TREES TO PREVENT DAMAGE FROM WIND (LOGGE-POLE STAKES LENGTH AS REQUIRED). FASTEN TREES TO UPPER END OF STAKE IN AT LEAST TWO (2) PLACES USING HOSE TYPE TIES.
 - PREPARE RAISED EARTH BASIN AS WIDE AS PLANTING HOLE OF EACH PLANT.
 - WATER IMMEDIATELY AFTER PLANTING, WATER SHALL BE APPLIED TO EACH TREE AND SHRUB IN SUCH MANNER AS NOT TO DISTURB BACKFILL AND TO THE EXTENT THAT ALL MATERIALS IN THE PLANTING HOLE ARE THOROUGHLY SATURATED.
 - BEFORE GROUND COVER PLANTING, REMOVE EARTH BERM TO FINISH GRADE AND DISPOSE OF EXCESS SOIL.
- GROUND COVER:**
 - ALL GROUND COVER AREAS SHALL RECEIVE A 1/4" LAYER OF "NITROHUMUS" BRAKED INTO THE TOP 1" OF PREPARED SOIL PRIOR TO PLANTING GROUND COVER.
 - SPACING AND VARIETY OF GROUND COVER SHALL BE AS SHOWN ON DRAWINGS.
 - IMMEDIATELY AFTER PLANTING GROUND COVER, CONTRACTOR SHALL THOROUGHLY WATER GROUND COVER.
 - ALL GROUND COVER AREAS SHALL BE TREATED WITH AN ANTIDISECCANT BEFORE FINAL LANDSCAPE INSPECTION. GROUND COVER AREAS SHALL BE WEDED PRIOR TO APPLYING ANTIDISECCANT. ANTIDISECCANT TO BE APPLIED AS PER MANUFACTURER'S RECOMMENDATION.
- SEEDING:**
 - SEED MIXTURE:**
 - PERMANENT A 4# PER 1000 S.F.
 - 30% PERENNIAL RYE GRASS
 - 70% TURF-TYPE TALL FESCUE
 - SEEDING DATES: 3/15 TO 5/15 8/15 TO 10/15
 - APPLY SEED UNIFORMLY, NORMAL SEEDING DEPTH IS FROM 1/8" TO 1/4". HYDROSEEDINGS (INCLUDING FERTILIZER AND SEED IN A SLURRY FORM) WHICH ARE MULCHED MAY BE LEFT ON THE SOIL SURFACE. SOIL CONSERVATION DISTRICT CAN REQUIRE SPECIFIC TECHNIQUES FOR HYDROSEEDING AND/OR HYDROMULCHING IN AREAS WITH DROUGHTY CONDITIONS. IF HYDROSEEDING IS NOT PERFORMED, STRAW MULCH SHOULD BE APPLIED AT ONE BALE PER 1000 S.F.
- IRRIGATION** - (WHERE FEASIBLE)
 - IF SOIL MOISTURE IS DEFICIENT AND MULCH IS NOT USED, SUPPLY NEW SEEDINGS WITH ADEQUATE WATER, A MINIMUM OF 1/4" TWICE A DAY UNTIL VEGETATION IS WELL ESTABLISHED, ESPECIALLY WHEN SEEDING IS PERFORMED IN ABNORMALLY DRY OR HOT WEATHER OR ON DROUGHTY SITES.
- FINISH GRADING:**
 - ALL AREAS WILL BE RECEIVED BY THE CONTRACTOR AT SUBSTANTIALLY PLUS/MINUS 1 FOOT OF FINISH GRADE.
 - ALL LAWN AND PLANTING AREAS SHALL BE GRADED TO A SMOOTH EVEN AND UNIFORM PLANE WITH NO ABRUPT CHANGE OF SURFACE. SOIL AREAS ADJACENT TO THE BUILDINGS SHALL SLOPE AWAY FROM THE BUILDINGS.
 - ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER.
 - DECORATIVE MULCH (TWICE SHREDDED HARDWOOD MULCH) APPLY A UNIFORM THREE INCH (3") THICK LAYER OF MULCH IN THE FOLLOWING AREAS: INDIVIDUAL PLANTING PITS AND PLANTING BEDS. DURING THE MAINTENANCE AND WARRANTY PERIOD, THE CONTRACTOR IS REQUIRED TO APPLY NEW MULCH AS NECESSARY DUE TO EROSION, SETTLING OR AS REQUIRED BY THE LANDSCAPE ARCHITECT. WORK MULCH INTO TOP OF PLANTING SOIL BACKFILL; FINISH LEVEL WITH ADJACENT GRADE.
- GUARANTEE:**
 - CONTRACTOR SHALL GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE (1) YEAR.
- CLEAN-UP:**
 - UPON THE COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT, AND DEBRIS RESULTING FROM HIS WORK. ALL PAVED AREAS SHALL BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE OWNER'S AUTHORIZED REPRESENTATIVE.
 - MAINTAIN TREES, SHRUBS AND OTHER PLANTS BY PRUNING, CULTIVATING AND WEEDING AS REQUIRED FOR HEALTHY GROWTH. RESTORE PLANTING SAUCERS, TIGHTEN AND REPAIR STAKE AND GUY SUPPORTS AND RESET TREES AND SHRUBS TO PROPER GRADES OR VERTICAL POSITION AS REQUIRED. RESTORE OR REPLACE DAMAGED WRAPPINGS. SPRAY AS REQUIRED TO KEEP TREES AND SHRUBS FREE OF INSECTS AND DISEASE.
 - MAINTAIN LAWNS BY WATERING, FERTILIZING, WEEDING, MOWING, TRIMMING, AND OTHER OPERATIONS SUCH AS ROLLING, REGRADING AND REPLANTING AS REQUIRED TO ESTABLISH A SMOOTH, ACCEPTABLE LAWN, FREE OF ERODED OR BARE AREAS.

BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

[Signature] DATE 6/25/97
DEVELOPER Mobil Oil Corp

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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

[Signature] DATE 6-2-97
ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

NATURAL RESOURCES CONSERVATION SERVICE DATE

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

[Signature] DATE 8/6/97
DIRECTOR

[Signature] DATE 7/2/97
CHIEF, DEVELOPMENT ENGINEER DIVISION

[Signature] DATE 8/11/97
OFFICER, DIVISION OF LAND DEVELOPMENT

OWNER:
MOBIL OIL CORP.
10617 BRADDOCK RD.
FAIRFAX, VA 22032
PH: (703) 219-2000

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

[Signature] DATE 7/14/97
COUNTY HEALTH OFFICER

MISCELLANEOUS NOTES & DETAILS

No.	REVISION	DATE	DRN	CHK	APR	No.	REVISION	DATE	DRN	CHK	APR
3	REVISE PER COUNTY COMMENTS	6/20/97	AK	AK							
2	REVISE PER COUNTY COMMENTS	5/5/97	BEK	AK							
1	REVISE PER COUNTY COMMENTS	2/6/97	BEK	AK							

[Signature]
J. J. VOLANTE
21342

TYBEE ENGINEERING, P.C.

• CIVIL & CONSULTING ENGINEERS
• TRAFFIC ENGINEERS
• SURVEYORS

ENVIRONMENTAL & SITE PLANNERS
ARCHITECTURAL DESIGNERS
PROJECT MANAGERS

TEL. (703) 904-8350 15 DOUGLAS COURT STERLING, VA 20166
FAX. (703) 904-8356 BROOKFIELD, CT. AUBURN, MASS.

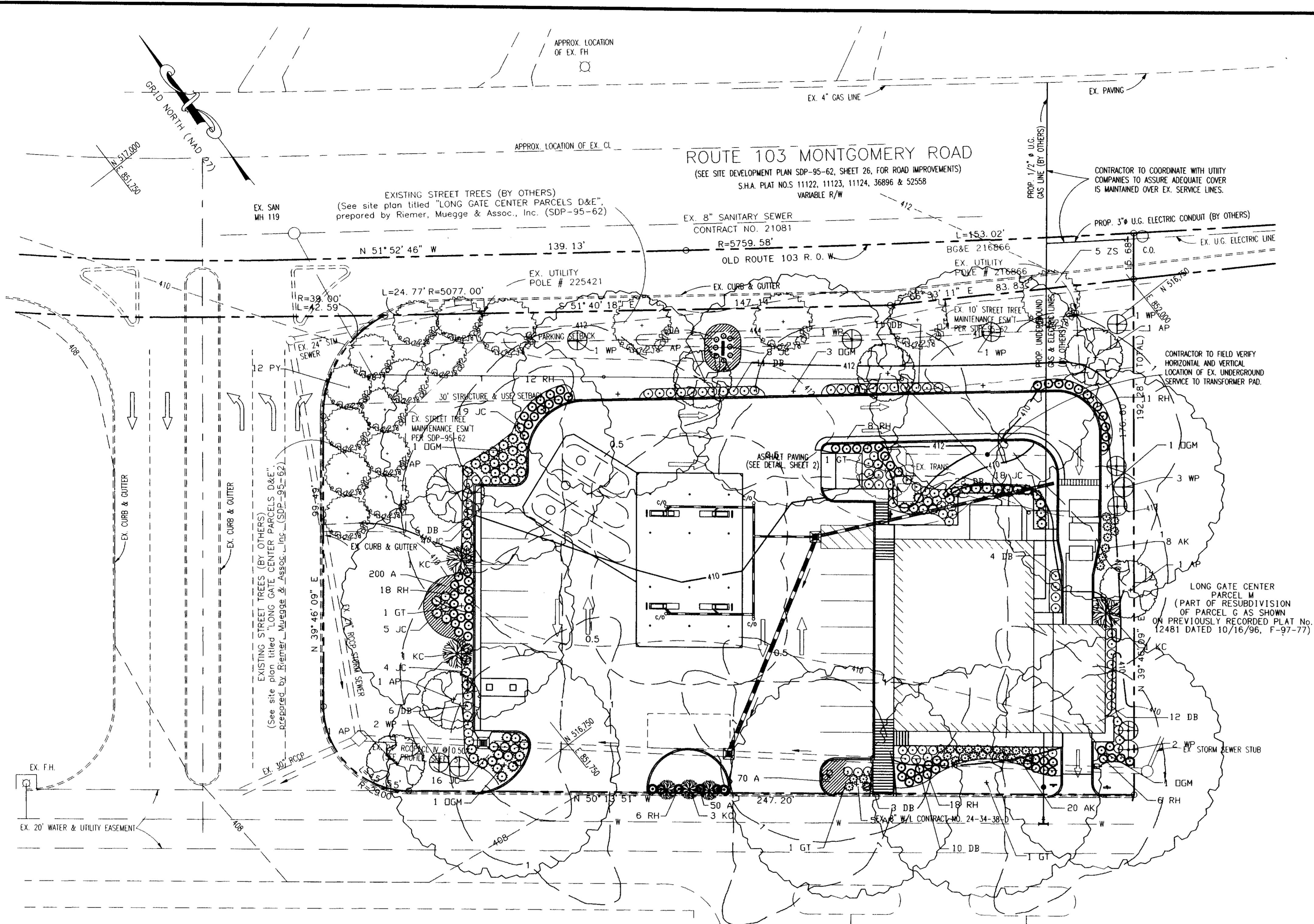
Mobil US&M Asset Services

DESIGN ENGINEER	BEM	11/12/96	APPROVED
DESIGN CHECK	MSS	11/12/96	
DRAWN BY	BEK	11/12/96	
DRAWING CHECK			

MOBIL OIL CORPORATION
SS# 16-JD4
LONG GATE SHOPPING CENTER, PARCEL H, TAX MAP# 24, GRID 24
PARCELS: P/O 501 & P/O 676, 2ND ELECTION DIST.
ELLCOTT CITY, HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN PROJECT No. P97178/S95018 SHEET 7 OF 9 REV. No. 3

DRAWING No. 95018071



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

James M. Braddock 7/14/97
 COUNTY HEALTH OFFICER M.R.D. DATE

BY THE DEVELOPER:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

Michael Oil Corp DATE

DEVELOPER: *Michael Oil Corp* 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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

[Signature] DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

NATURAL RESOURCES CONSERVATION SERVICE DATE

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

[Signature] 8/3/97 DATE
[Signature] 7/29/97 DATE
 CHIEF, DEVELOPMENT ENGINEER DIVISION
[Signature] 7/14/97 DATE
 CHIEF, DIVISION OF LAND DEVELOPMENT

OWNER:
 MOBIL OIL CORP.
 10617 BRADDOCK RD.
 FAIRFAX, VA 22032
 PH: (703) 219-2000

- Notes:
- The plan has been prepared in accordance with the provisions of Section 16.124 of the Howard County Code and Landscape Manual.
 - Financial Surety for the required landscaping must be posted as part of the Grading Permit in the amount of \$1,100.00.

SEE SHEET 7 FOR LANDSCAPE NOTES AND DETAILS.

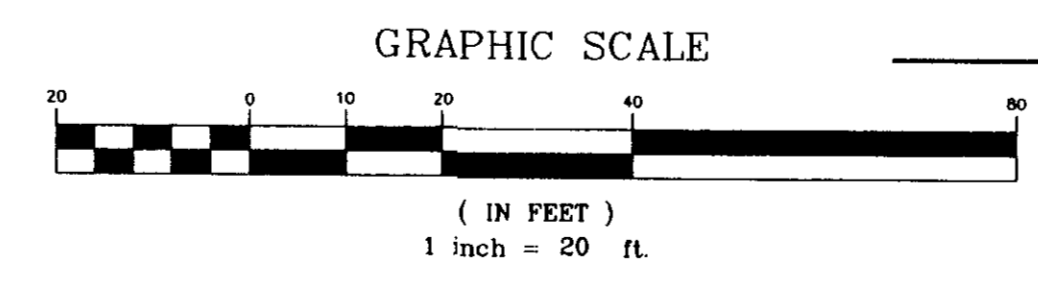
LANDSCAPING SCHEDULE

SYMBOL	BOTANICAL/COMMON NAME	QUANTITY	SIZE	REMARKS
GT	GLEDITSIA TRICANTHOS/HONEY LOCUST	4	3' CAL.	B&B
DGM	ACER RUBRUM / OCTOBER GLORY MAPLE	7	3' CAL.	B&B
KC	PRUNUS KWANZAN / KWANZAN CHERRY	6	3' CAL.	B&B
AP	PRUNUS ARISTOCRAT / ARISTOCRAT PEAR	7	3' CAL.	B&B
WP	PINUS STROBUS / WHITE PINE	11	6'-8' HT.	B&B
DB	EVONYMUS ALATA COMPACTA / DWARF BURNING BUSH	85	24" TO 30"	CONT.
RH	ILEX ROUNDIFOLIA / ROUNDLEAF HOLLY	79	24" TO 30"	CONT.
JC	JUNIPERIS PFITZERIANA COMPACTA / COMPACT PFITZERIANA JUNIPER	78	24" TO 30"	CONT.
AK	AZALEA KURUME / KURUME AZALEA	33	24" TO 30"	CONT.
A	ANNUALS	380	3' - 5'	
SYMBOL	EX. TYPES OF LANDSCAPING (AS PROVIDED BY SDP-9562)	QUANTITY	SIZE	REMARKS
PY	PRANUS x YEDDENSIS / YOSHINO FLOWERING CHERRY	12	1.5"-2" CAL.	B&B
ZS	ZELKOVA SERRATA 'VILLAGE GREEN' / VILLAGE GREEN ZELKOVA	5	2.5"-3" CAL.	B&B

LONG GATE CENTER PARCEL I (PART OF RESUBDIVISION OF PARCEL G AS SHOWN ON PREVIOUSLY RECORDED PLAT No. 12482 DATED 10/16/96, F-97-77)

LEGEND

- EX. STORM SEWER
- PROP. STORM SEWER
- EX. SANITARY SEWER
- PROP. SAN. LATERAL
- W EX. WATER LINE
- PROP. WATER LINE
- - - - - 410 EX. GRADE CONTOUR
- - - - - 410 PROP. FINISHED GRADE CONTOUR



SCHEDULE A - PERIMETER LANDSCAPE EDGE

Category	Adjacent to Roadways * (MD Route 103)		Adjacent to Perimeter Properties	
	E	E	E	A
Linear Feet of Roadway Frontage / Perimeter	NDRTH PL 231'	WEST PL 164'	SOUTH PL 247'	EAST PL 177'
Credit for Existing Vegetation (Yes, No, Linear Feet) (Describe below if needed)	N/A	N/A	N/A	N/A
Credit for Wall, Fence or Berm (Yes, No, Linear Feet) (Describe below if needed)	N/A	N/A	N/A	N/A
Number of Plants Required	(1:40) 6	(1:40) 5	(1:40) 7	(1:60) 3
Shade Trees	-	-	-	-
Evergreen Trees	(1:4) 58	(1:4) 41	(1:4) 62	-
Shrubs	-	-	-	-
Number of Plants Provided	8 (INCL. 5 EX.)	2	5	1
Shade Trees	0	0	2	5
Evergreen Trees	3	16 (INCL. 12 EX.)	3	1
Other Trees (2:1 substitution)	4	0	0	0
Shrubs (10:1 substitution)	48	64	84	25
(Describe plant substitution credits below if needed)	(A)	(B)	(C)	(D)

- (A) Substitute 1 deciduous/ornamental trees for 10 shrubs, 2 ornamental/deciduous trees for 1 shade tree, 4 evergreens / 2 shade trees.
 - (B) Substitute 4 deciduous/ornamental trees for 2 shade trees, 10 shrubs for 1 shade tree and added 13 shrubs.
 - (C) Substitute 20 shrubs for 2 shade trees, and added 3 ornamental trees & 2 evergreen trees & 22 shrubs.
 - (D) Substitute 2 evergreen trees for 1 shade tree and 2 evergreen trees for 1 shade tree, and added 25 shrubs and 1 evergreen and 1 ornamental/deciduous tree.
- NOTE: * The total length for site perimeter for MD Route 103 is 231'. Street trees shown per SDP-95-62, Site Plan for Long Gate Center Parcels D & E, prepared by Riemer, Muegge, & Associates, Inc. No credit has been taken toward landscaping.

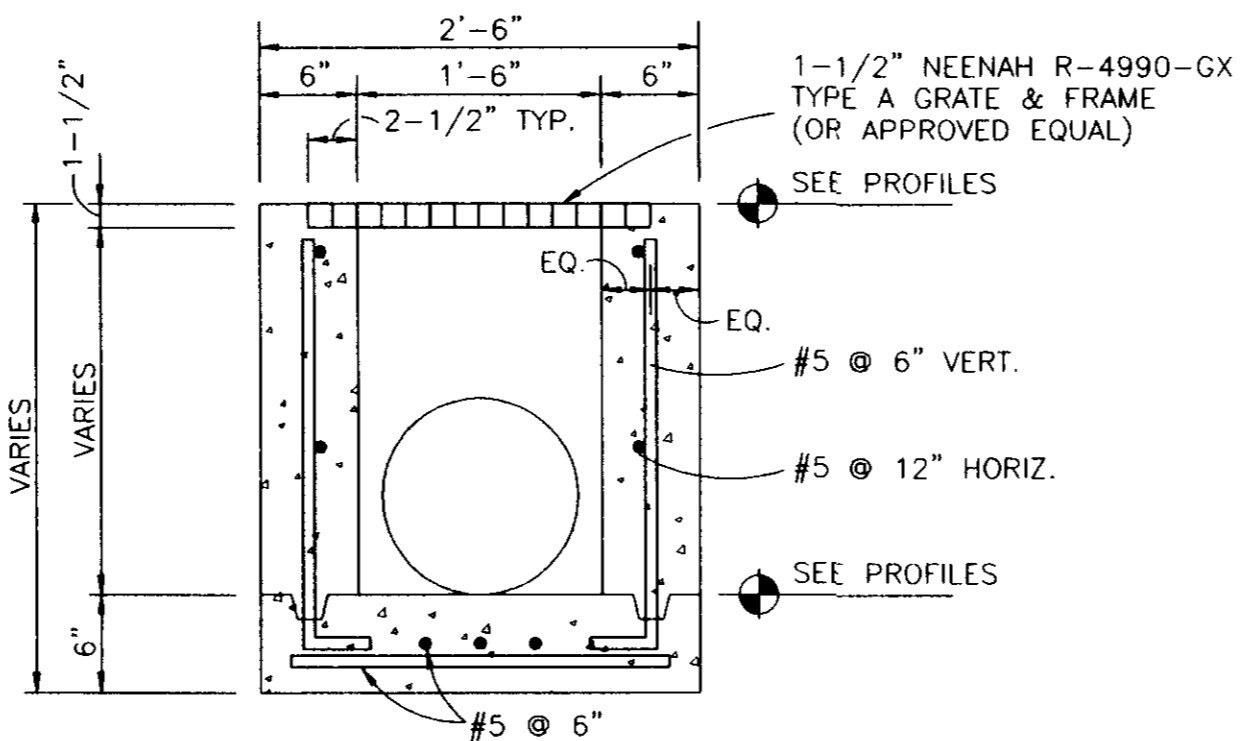
LANDSCAPE & LIGHTING PLAN

No.	REVISION	DATE	DRN. CHK.	APR.	No.	REVISION	DATE	DRN. CHK.	APR.
3	REVISE PER COUNTY COMMENTS	6/20/97	BEK	JAC					
2	REVISE PER COUNTY COMMENTS	5/5/97	BEK	JAC					
1	REVISE PER COUNTY COMMENTS	2/6/97	BEK	JAC					

TYREE ENGINEERING, P.C.
 DESIGN ENGINEERING ARCHITECTURAL DESIGNERS SURVEYORS
 ENVIRONMENTAL & SITE PLANNERS ARCHITECTURAL DESIGNERS PROJECT MANAGERS
 TEL. (703) 904-8350 FAX. (703) 904-8356
 15 DOUGLAS COURT STERLING, VA 20166
 FARMINGDALE, N.Y. BURLINGTON, N.J. BROOKFIELD, CT. AUBURN, MASS.

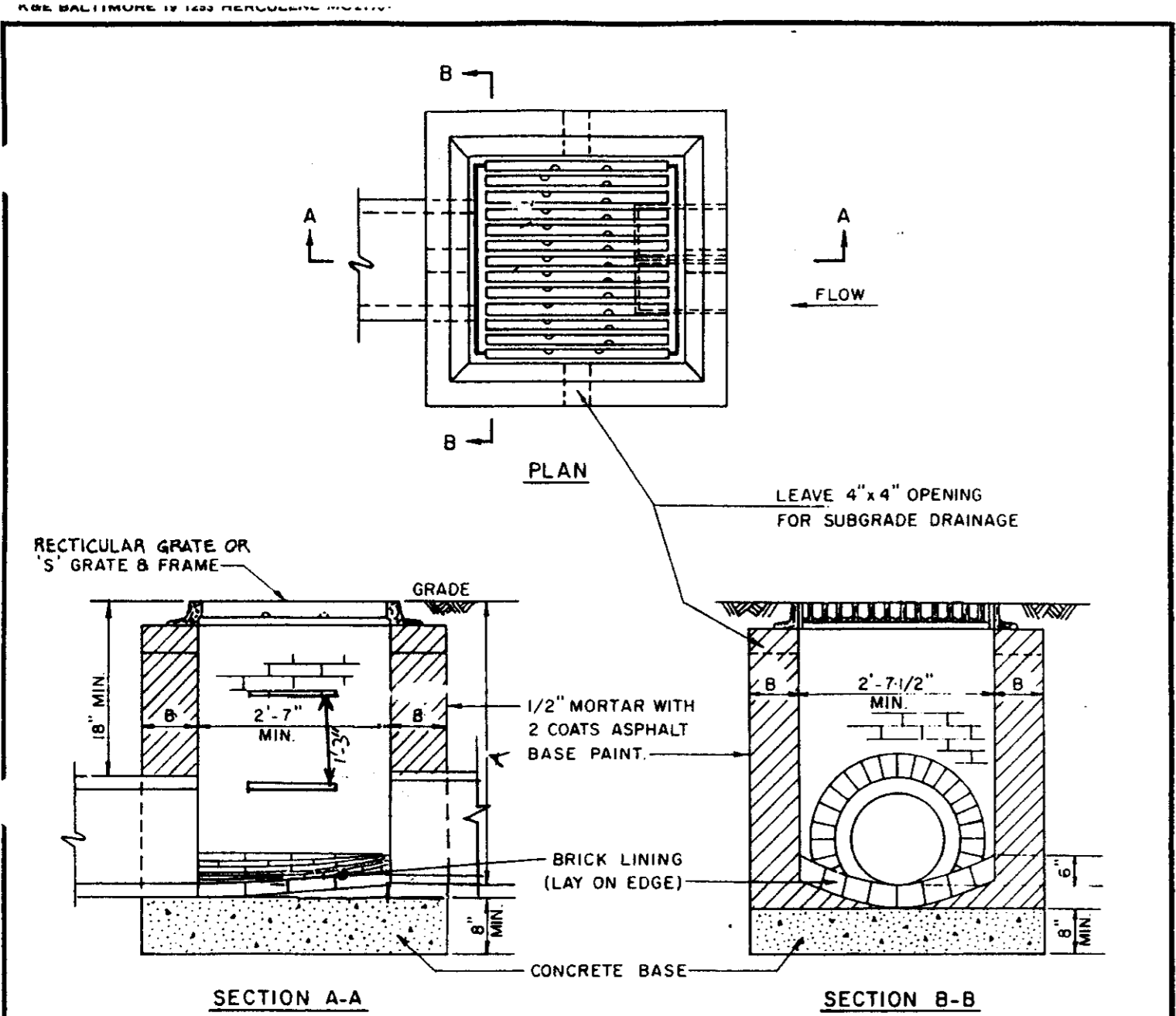
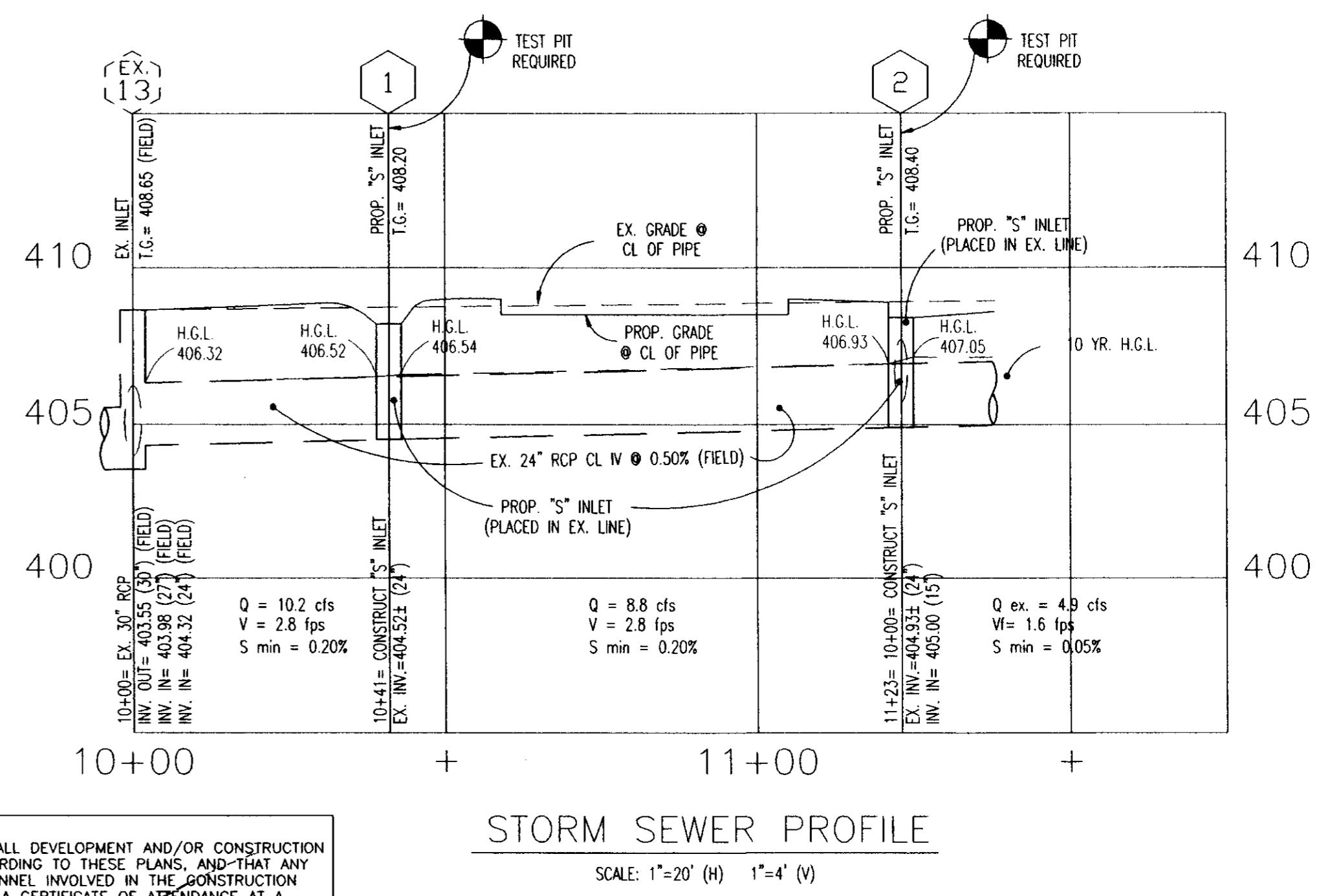
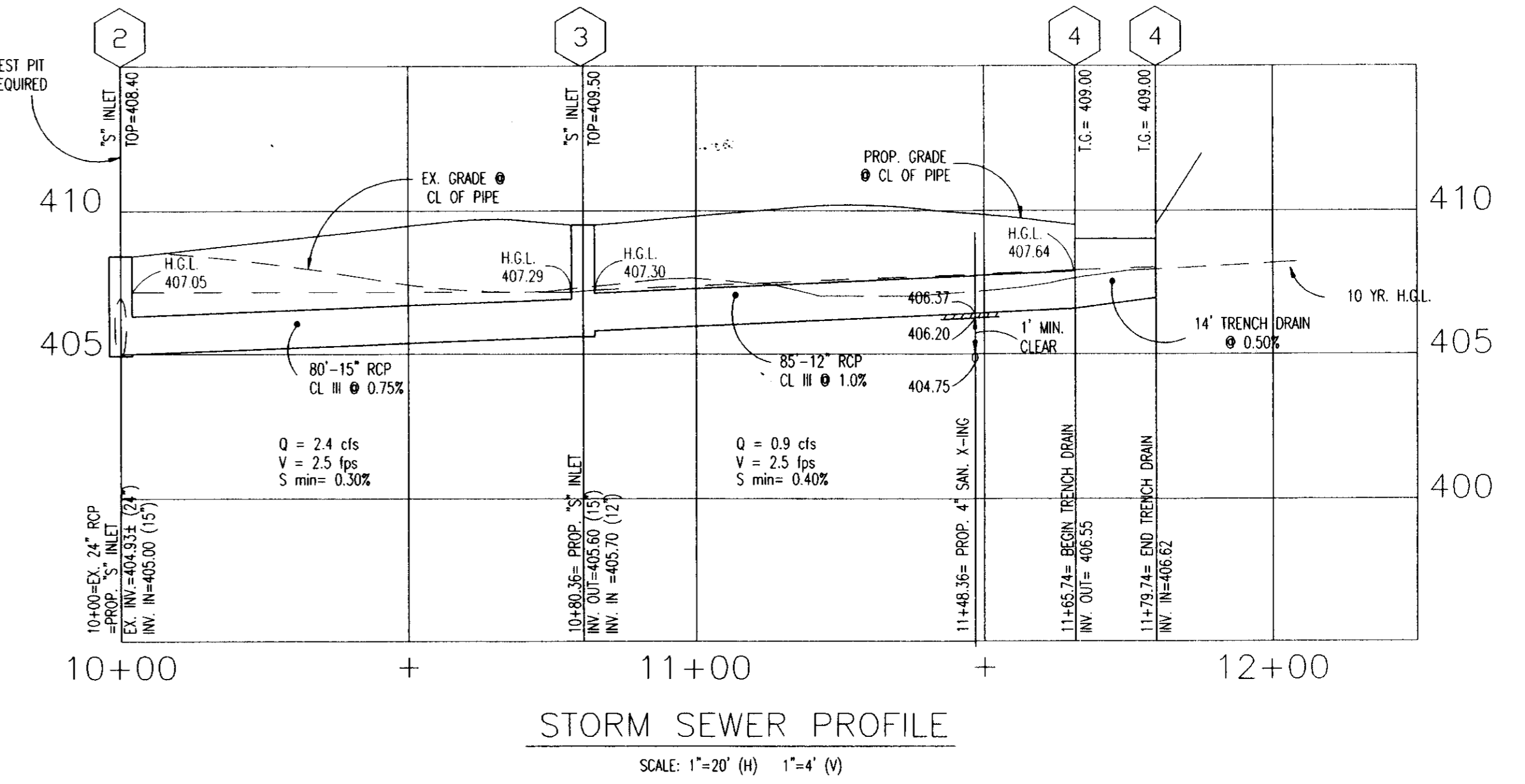
Mobil USM&R Asset Services
 DESIGN ENGINEERING ARCHITECTURAL DESIGNERS SURVEYORS
 BEM 11/12/96 APPROVED
 MSS 11/12/96
 BEK 11/12/96
 DATE

MOBIL OIL CORPORATION
 SS# 16-JD4
 LONG GATE SHOPPING CENTER, PARCEL H, TAX MAP# 24, GRID 24
 PARCELS: P/O 501 & P/O 676, 2ND ELECTION DIST.
 ELLICOTT CITY, HOWARD COUNTY, MARYLAND
 SCALE: 1"=20'
 PROJECT No. P97178/S95018 SHEET 6 OF 9
 DRAWING No. 95018061 REV. No. 3



TRENCH DRAIN DETAIL
NOT TO SCALE

STORM SEWER STRUCTURE SCHEDULE						
STRUCTURE NUMBER	TG	INVERT (IN)	INVERT (OUT)	STRUCTURE TYPE	AGENCY & STD DETAIL NO.	LOCATION
1	408.20	404.52	404.52	S	H.C. SD 4.22	PER PLAN
2	408.40	404.93 (24") 405.00 (15")	404.93	S	H.C. SD 4.22	PER PLAN
3	409.50	405.70	405.60	S	H.C. SD 4.22	PER PLAN
4	409.00	406.62	406.55	TRENCH DRAIN	NEENAH R-4990-EX	PER PLAN

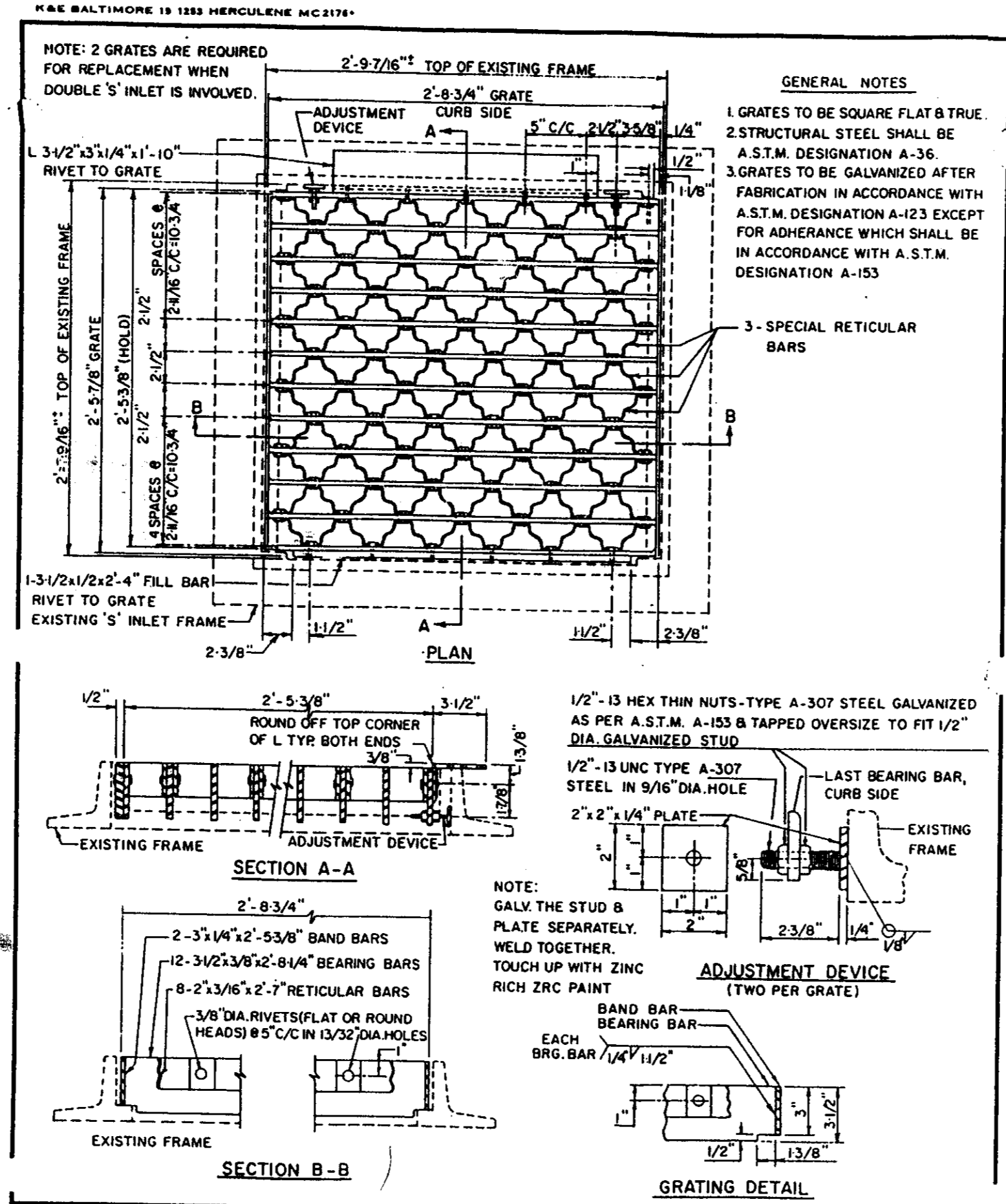


REV. JAN. 1989
REV. OCT. 1982
REV. JAN. 1982

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: [Signature] Chief - Bureau of Engineering

TYPE 'S' INLET

DRAWN BY: R.K.H.
CHECKED BY: J.L.R.
SCALE: NONE
5D-4.22



HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: [Signature] Chief - Bureau of Engineering

RETICULAR GRATE FOR TYPE 'S' INLET

DRAWN BY: R.K.H.
CHECKED BY: J.L.R.
SCALE: NONE
5D-4.93

BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF APPENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

DEVELOPER: [Signature] DATE: [Blank]

BY THE ENGINEER:
I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

ENGINEER: [Signature] DATE: [Blank]

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

NATURAL RESOURCES CONSERVATION SERVICE DATE: [Blank]

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE: [Blank]

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR: [Signature] DATE: 8/1/97

CHIEF, DEVELOPMENT ENGINEER DIVISION: [Signature] DATE: 7/2/97

CHIEF, DIVISION OF LAND DEVELOPMENT: [Signature] DATE: 8/4/97

OWNER:
MOBIL OIL CORP.
10617 BRADDOCK RD.
FAIRFAX, VA 22032
PH: (703) 219-2000

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

COUNTY HEALTH OFFICER: [Signature] DATE: 7/14/97

STORM DRAIN PROFILES & CALCULATIONS

No.	REVISION	DATE	DRN.	CHK.	APR.	No.	REVISION	DATE	DRN.	CHK.	APR.
3	REVISE PER COUNTY COMMENTS	6/20/97	DK	ANY							
2	REVISE PER COUNTY COMMENTS	5/5/97	BEK	JAC							
1	REVISE PER COUNTY COMMENTS	2/6/97	BEK	JAC							

TYBEE ENGINEERING, P.C.

• CIVIL & CONSULTING ENGINEERS
• TRAFFIC ENGINEERS
• SURVEYORS

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ARCHITECTURAL DESIGNERS
PROJECT MANAGERS

TEL. (703) 904-8350
FARMINGDALE, N.Y. BURLINGTON, N.J.

15 DOUGLAS COURT
STERLING, VA 20166

FAX. (703) 904-8356
BROOKFIELD, CT. AUBURN, MASS.

Mobil USM&R Asset Services

DESIGN ENGINEERING FAIRFAX, VIRGINIA

DESIGN ENGINEER: BEM 11/12/96 APPROVED

DESIGN CHECK: MSS 11/12/96

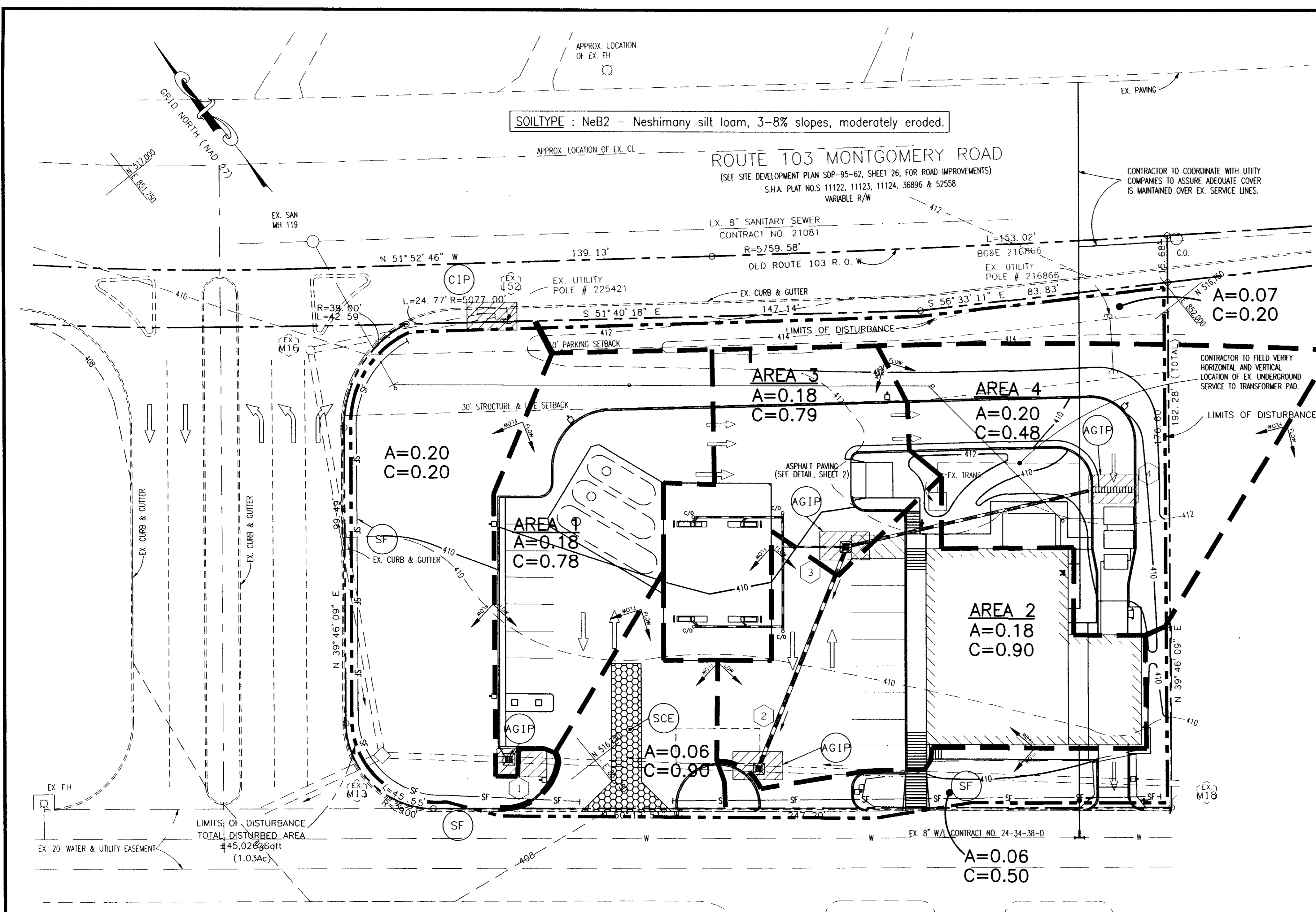
DRAWN BY: BEK 11/12/96

DRAWING CHECK: [Blank]

MOBIL OIL CORPORATION
SS# 16-JD4

LONG GATE SHOPPING CENTER, PARCEL H, TAX MAP# 24, GRID 24
PARCELS: P/O 501 & P/O 676, 2ND ELECTION DIST.
ELLCOTT CITY, HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN PROJECT No. P97178\S9501B SHEET 5 OF 9 REV. No. 3
DRAWING No. 95018051



SOILTYPE : NeB2 - Neshimany silt loam, 3-8% slopes, moderately eroded.

ROUTE 103 MONTGOMERY ROAD
 (SEE SITE DEVELOPMENT PLAN SDP-95-62, SHEET 26, FOR ROAD IMPROVEMENTS)
 S.H.A. PLAT NOS. 11122, 11123, 11124, 36896 & 52558
 VARIABLE R/W

- EROSION & SEDIMENT CONTROL NOTES**
- A minimum of 48 hours notice must be given to the Howard County Department of Inspections prior to the start of any construction (313-1855).
 - All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL AND REVISIONS THEREOF.
 - Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1. 14 days to all other disturbed or graded areas on the project site.
 - All sediment traps/basins shown must be fenced and warning signs posted around the perimeter in accordance with 1, Chapter 12 of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 - All disturbed areas must be stabilized within the time period specified above in accordance with the 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL AND EROSION CONTROL for permanent seedings (Sec. 51), and (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
 - 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 parcel: 45,762 sf / 1.051 Ac
 Area disturbed: 45,026 sf / 1.03 Ac
 Area to be vegetatively stabilized: 19,928 sf / 0.45 Ac
 Total Cut: 66 CY
 - Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 - Additional sediment controls must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
 - Site grading will begin only after all perimeter sediment control measures have been installed and are in a functioning condition.
 - Sediment will be removed from traps when its depth reaches clean out elevation shown on the plans.
 - Cut and fill quantities provided under site analysis do not represent bid quantities. These quantities do not distinguish between topsoil, structural fill or embankment material nor do they reflect consideration of undercutting or removal of unstable material. The contractor shall familiarize himself with site conditions which may affect the work.
 - On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
 - Trenches for the construction of utilities is limited to three pipe lengths or that which can be backfilled and stabilized within one working day, whichever is shorter.

BY THE DEVELOPER:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 DEVELOPER: *Mobil Oil* DATE: *7/14/97*

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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 ENGINEER: *[Signature]* DATE: *7/14/97*

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
 NATURAL RESOURCES CONSERVATION SERVICE DATE: *7/14/97*

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
 HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE: *7/14/97*

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 DIRECTOR: *[Signature]* DATE: *7/14/97*
 CHIEF, DEVELOPMENT ENGINEER DIVISION: *[Signature]* DATE: *7/14/97*
 DIVISION OF LAND DEVELOPMENT: *[Signature]* DATE: *7/14/97*

OWNER:
 MOBIL OIL CORP.
 10617 BRADDOCK RD.
 FAIRFAX, VA 22032
 PH: (703) 219-2000

SEQUENCE OF CONSTRUCTION FOR MOBIL SERVICE STATION #16-JD4

- PRIOR TO ANY CLEARING, INSTALLATION OF SEDIMENT CONTROL MEASURES OR GRADING, A PRECONSTRUCTION MEETING MUST BE CONDUCTED ON-SITE WITH THE SEDIMENT CONTROL INSPECTOR (48 HOURS MINIMUM NOTICE). (1/2 DAY)
- THE LIMITS OF DISTURBANCE SHALL BE CLEARLY FIELD MARKED. ALL PERIMETER SILT FENCE AND OFF-SITE INLET PROTECTION SHALL BE INSTALLED PRIOR TO ANY CLEARING OR LAND DISTURBING ACTIVITIES. (1 DAY)
- INSTALL THE STABILIZED CONSTRUCTION ENTRANCE. (1/2 DAY)
- ONCE SEDIMENT CONTROL DEVICES HAVE BEEN INSTALLED, THE PERMITTEE SHALL OBTAIN WRITTEN APPROVAL FROM THE SEDIMENT CONTROL INSPECTOR BEFORE PROCEEDING WITH ANY ADDITIONAL LAND DISTURBING ACTIVITIES. (1/2 DAY)
- AFTER APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, SITE GRADING, FOUNDATION AND BURIED UTILITY WORK CAN PROCEED. (2 WEEKS)
- STORM DRAINS, INLETS AND THE TRENCH DRAIN SHALL BE CONSTRUCTED. AT-GRADE INLET PROTECTION SHALL BE PROMPTLY INSTALLED UPON COMPLETION OF THE INLETS AND TRENCH DRAINS. (1 WEEK)
- THE CONTRACTOR SHALL AT ALL TIMES PROTECT AGAINST SILT-LADEN RUNOFF LEAVING THE SITE. PERIMETER CONTROLS SHOULD BE CHECKED DAILY AND ADJUSTED AND/OR REPAIRED TO FULLY CONTAIN AND CONTROL SEDIMENTATION ON THE SITE. THE CONTRACTOR MAY NEED TO ADJUST OR REPAIR MEASURES AS DIRECTED BY THE SEDIMENT CONTROL INSPECTOR.
- ONCE UNDERGROUND UTILITY WORK HAS BEEN COMPLETED BASE PAVING CAN BE DONE ALONG WITH STABILIZATION OF LANDSCAPE AREAS. ONCE BASE PAVING IS COMPLETED AND ALL LANDSCAPE AREAS HAVE BEEN RESTABILIZED, STORM DRAIN PIPES SHALL BE FLUSHED AND ALL SILT REMOVED FROM THE STORM DRAINS. (1 WEEK)
- ALL LANDSCAPED AREAS SHALL BE SEEDED AND MULCHED AND/OR PLANTED IN ACCORDANCE WITH THE APPROVED LANDSCAPE PLAN. (1 WEEK)
- ONCE AN AREA HAS BEEN COMPLETED AND STABILIZED, SEDIMENT CONTROL DEVICES CAN BE REMOVED ONLY WITH PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR.

THIS PLAN IS TO BE USED FOR S.E.S.C. PURPOSES ONLY.

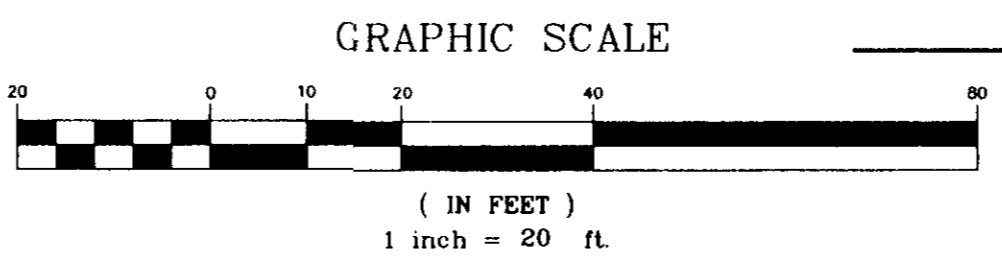
FOR S.E.S.C. DETAILS SEE SHEET 7.

SEDIMENT & EROSION CONTROL PLAN

INLET	AREA IMPERVIOUS (C=0.90)	PERVIOUS (C=0.20)	TOTAL DRAINAGE AREA	COMPOSITE "C"
1	0.15	0.03	0.18	0.78
2	0.18	0	0.18	0.90
3	0.16	0.02	0.18	0.79
4	0.08	0.12	0.20	0.48

LEGEND

- EX. STORM SEWER
- PROP. STORM SEWER
- EX. SANITARY SEWER
- PROP. SAN. LATERAL
- W EX. WATER LINE
- PROP. WATER LINE
- 410- EX. GRADE CONTOUR
- 410- PROP. FINISHED GRADE CONTOUR



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

[Signature] 7/14/97
 COUNTY HEALTH OFFICER DATE

STANDARD SYMBOLS

- SILT FENCE
- AT GRADE INLET PROTECTION
- CURB INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE

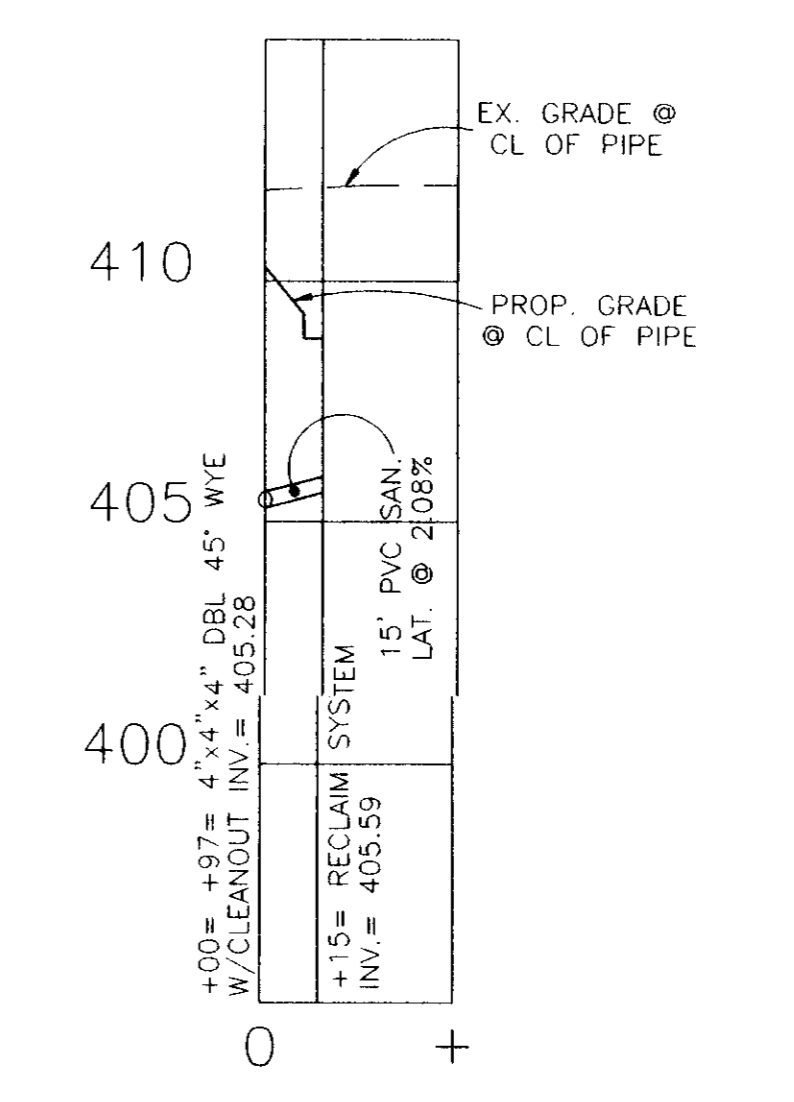
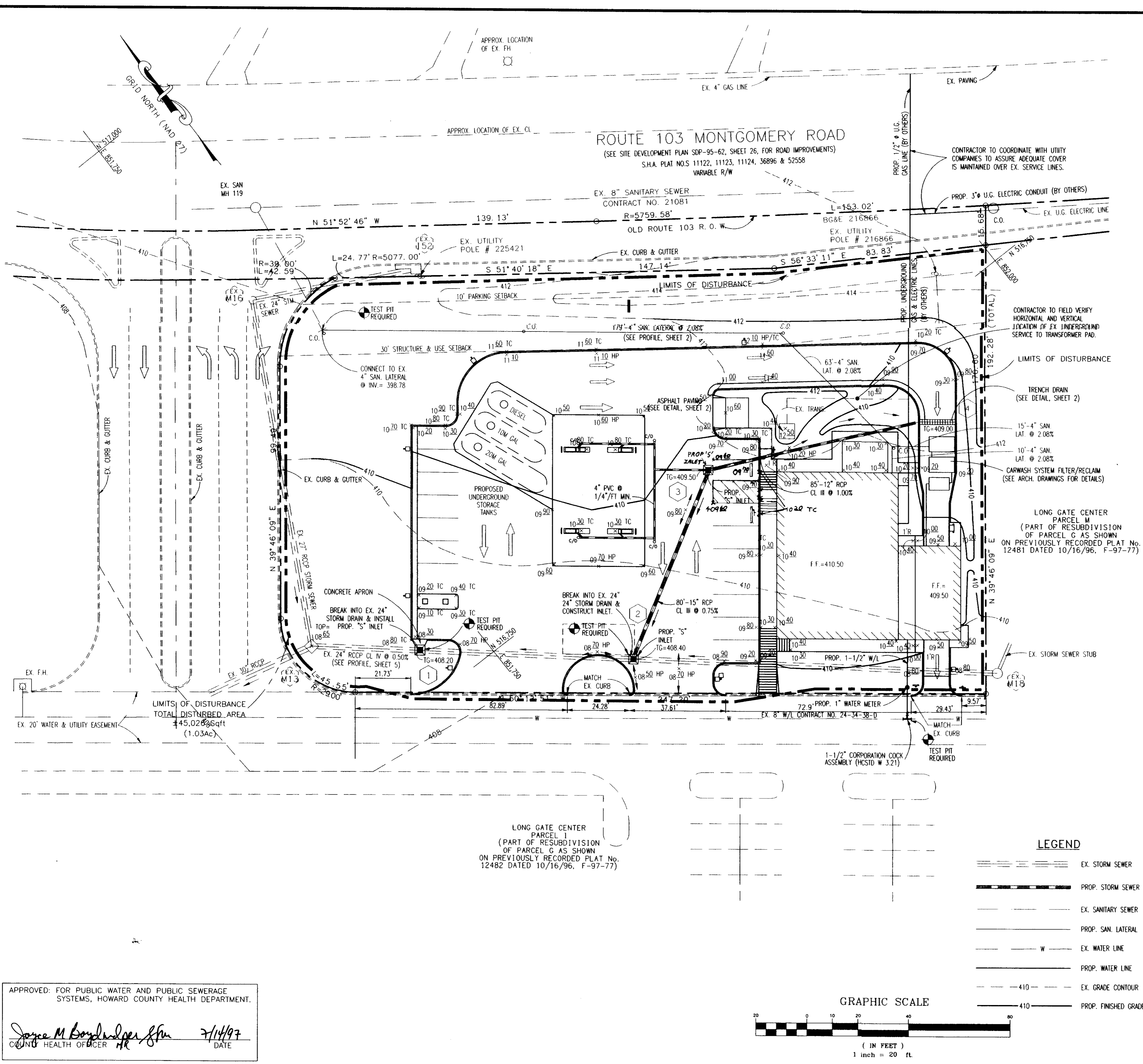
MISS UTILITY
 CALL "MISS UTILITY" AT 1-800-257-7777 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THESE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION.

No.	REVISION	DATE	BY	CHK	APP.	No.	REVISION	DATE	BY	CHK	APP.
3	REVISE PER COUNTY COMMENTS	6/20/97	AK	AM							
2	REVISE PER COUNTY COMMENTS	5/5/97	BER	JAC							
1	REVISE PER COUNTY COMMENTS	2/6/97	BER	JAC							

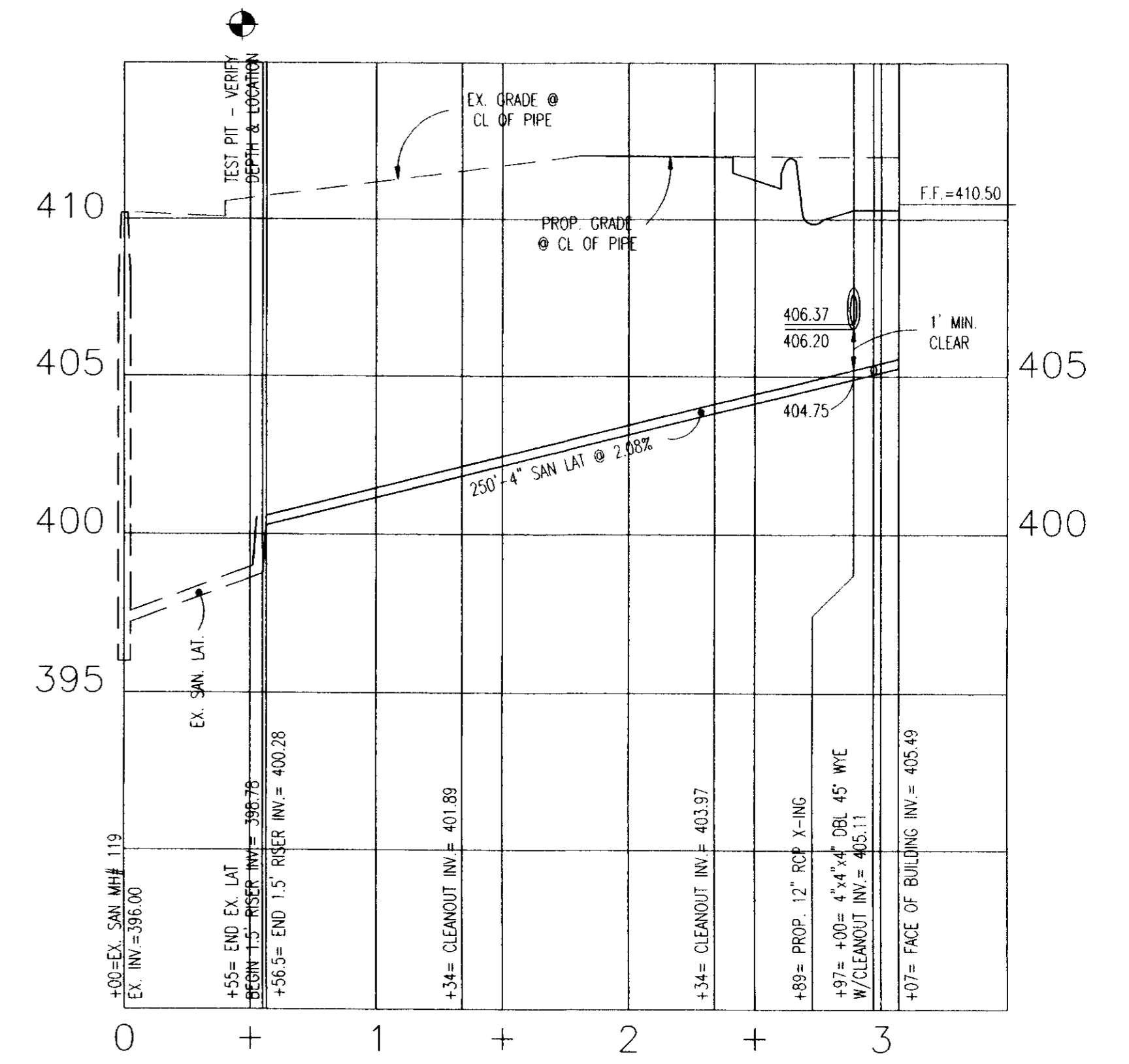
TYRRE ENGINEERING, P.C.
 CIVIL & CONSULTING ENGINEERS
 ENVIRONMENTAL & SITE PLANNERS
 ARCHITECTURAL DESIGNERS
 PROJECT MANAGERS
 TEL: (703) 904-8350 15 DOUGLAS COURT STERLING, VA 20166 FAX: (703) 904-8356

Mobil US&R Asset Services
 DESIGN ENGINEERING
 DESIGN ENGINEER: BEM 11/12/96
 DESIGN CHECK: MSS 11/12/96
 DRAWING: BEK 11/12/96
 DRAWING CHECK: [Signature]

MOBIL OIL CORPORATION
 SS# 16-JD4
 LONG GATE SHOPPING CENTER, PARCEL H, TAX MAP# 24, GRID 24
 PARCELS: P/O 501 & P/O 676, 2ND ELECTION DIST.
 ELLICOTT CITY, HOWARD COUNTY, MARYLAND
 SCALE: 1"=20' PROJECT No. P97178\595018 SHEET 4 OF 9 REV. No. 3
 DRAWING No. 95018041



SANITARY SEWER PROFILE
SCALE: 1"=50' (H)
1"=4' (V)



SANITARY SEWER PROFILE
SCALE: 1"=50' (H)
1"=4' (V)

BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
DEVELOPER: *Michael...* DATE: 12/2/97

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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
ENGINEER: *...* DATE: 6/20/97

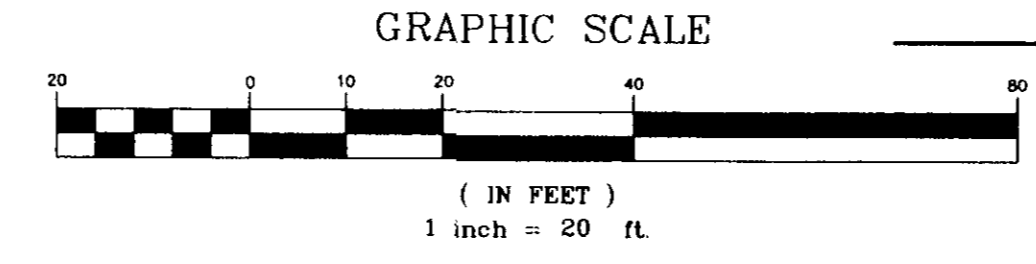
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.
NATURAL RESOURCES CONSERVATION SERVICE DATE: 1/29/99

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE: 1/29/99

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
DIRECTOR: *...* DATE: 2/1/97
CHIEF, DEVELOPMENT ENGINEER DIVISION: *...* DATE: 7/2/97
DIVISION OF LAND DEVELOPMENT: *...* DATE: 8/1/97

OWNER:
MOBIL OIL CORP.
10617 BRADDOCK RD.
FAIRFAX, VA 22032
PH: (703) 219-2000

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
COUNTY HEALTH OFFICER: *Jayne M. Bond...* DATE: 7/14/97



- LEGEND**
- EX. STORM SEWER
 - PROP. STORM SEWER
 - EX. SANITARY SEWER
 - PROP. SAN. LATERAL
 - W --- EX. WATER LINE
 - PROP. WATER LINE
 - 410 --- EX. GRADE CONTOUR
 - 410 --- PROP. FINISHED GRADE CONTOUR

No.	REVISION	DATE	BY	CHK	APR.	No.	REVISION	DATE	BY	CHK	APR.
4	REVISE PER COUNTY COMMENTS	7/19/97	DK	AV							
3	REVISE PER COUNTY COMMENTS	6/20/97	DK	AV							
2	REVISE PER COUNTY COMMENTS	5/5/97	BK	JAC							
1	REVISE PER COUNTY COMMENTS	2/6/97	BK	JAC							

TYRETT ENGINEERING, P.C.
DESIGN ENGINEERING

• CIVIL & CONSULTING ENGINEERS
• TRAFFIC ENGINEERS
• SURVEYORS

TEL: (703) 904-8350
FARMINGDALE, N.Y. BURLINGTON, N.J.

MOBIL USM&R Asset Services
DESIGN ENGINEERING
FAIRFAX, VIRGINIA

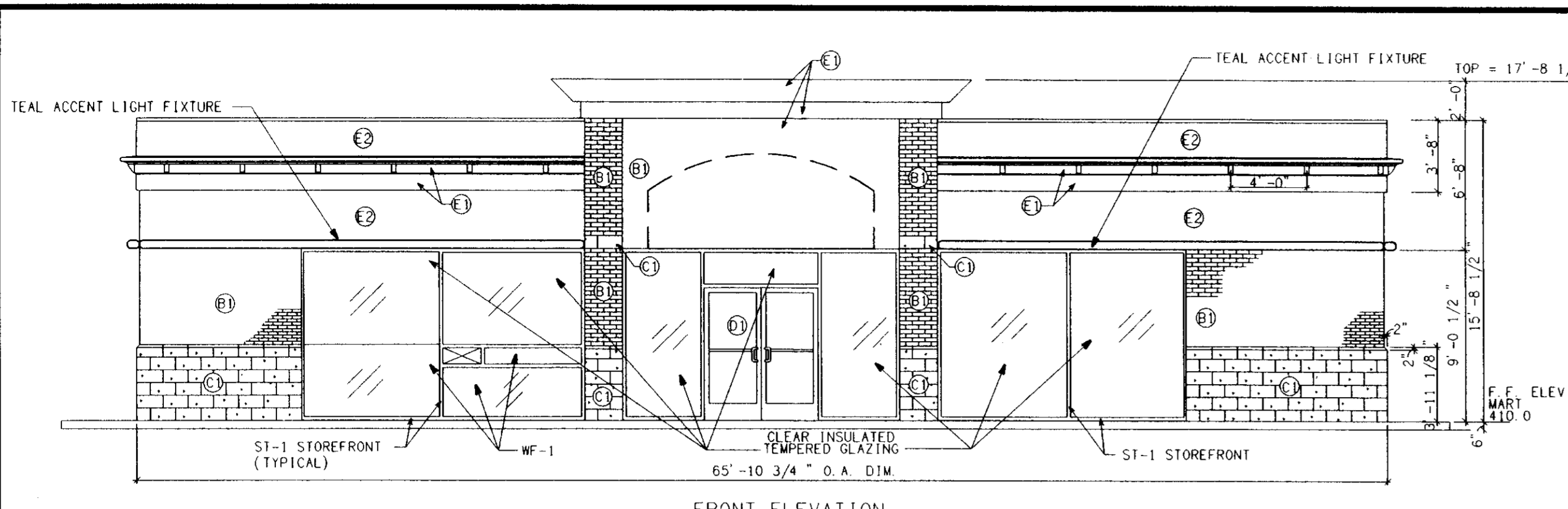
ENVIRONMENTAL & SITE PLANNERS
ARCHITECTURAL DESIGNERS
PROJECT MANAGERS

FAX: (703) 904-8356
15 DOUGLAS COURT
STERLING, VA 20166
BROOKFIELD, CT. AUBURN, MASS.

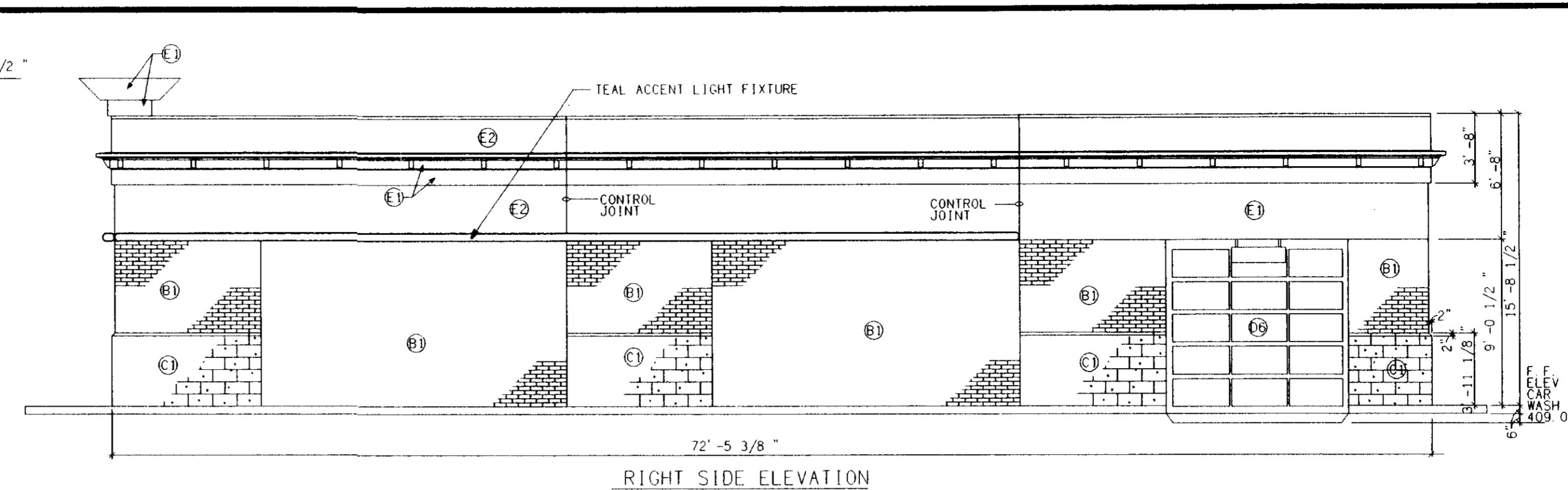
MOBIL OIL CORPORATION
SS# 16-JD4
LONG GATE SHOPPING CENTER, PARCEL H, TAX MAP# 24, GRID 24
PARCELS: P/O 501 & P/O 676, 2ND ELECTION DIST.
ELLCOTT CITY, HOWARD COUNTY, MARYLAND

PROJECT No. P9717B/S9501B
DRAWING No. 95018031

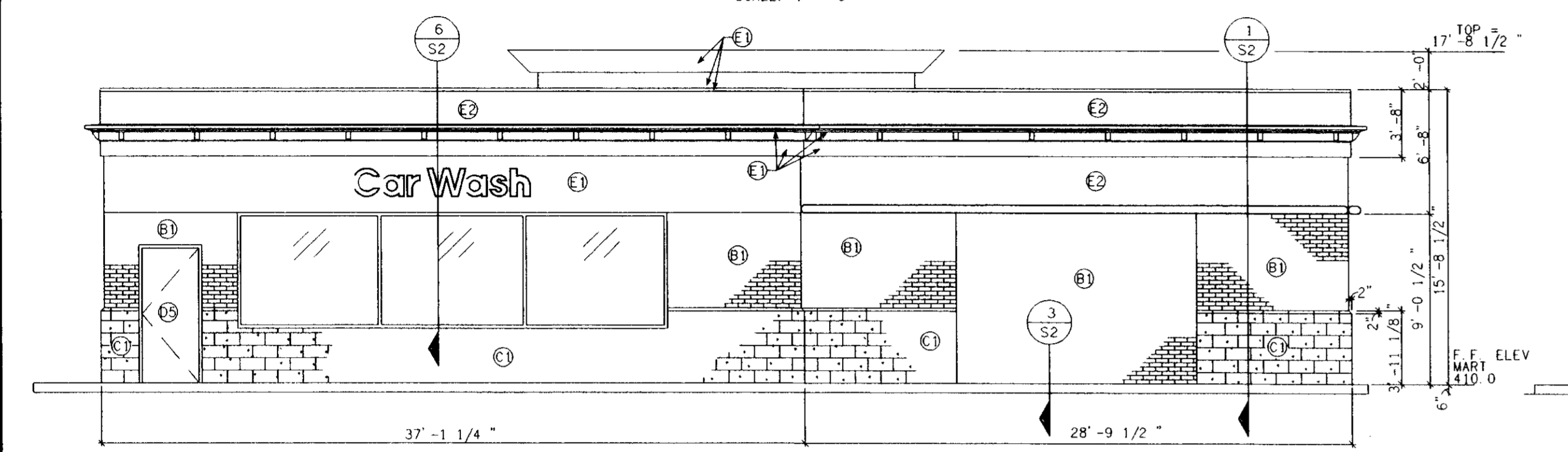
SHEET 3 OF 9



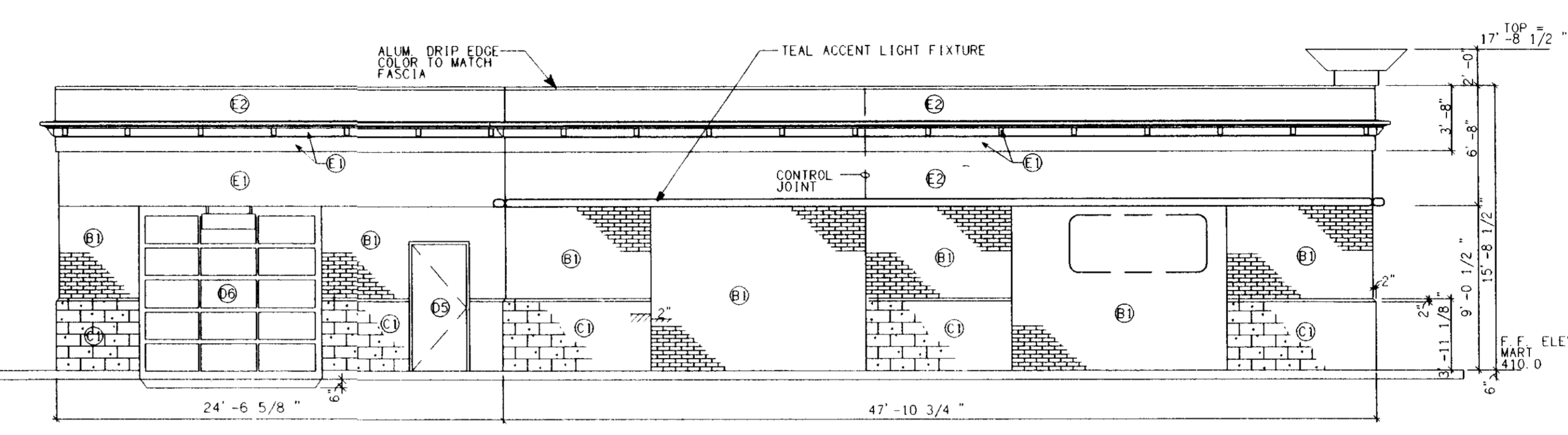
FRONT ELEVATION
SCALE: 1" = 6'



RIGHT SIDE ELEVATION
SCALE: 1" = 6'

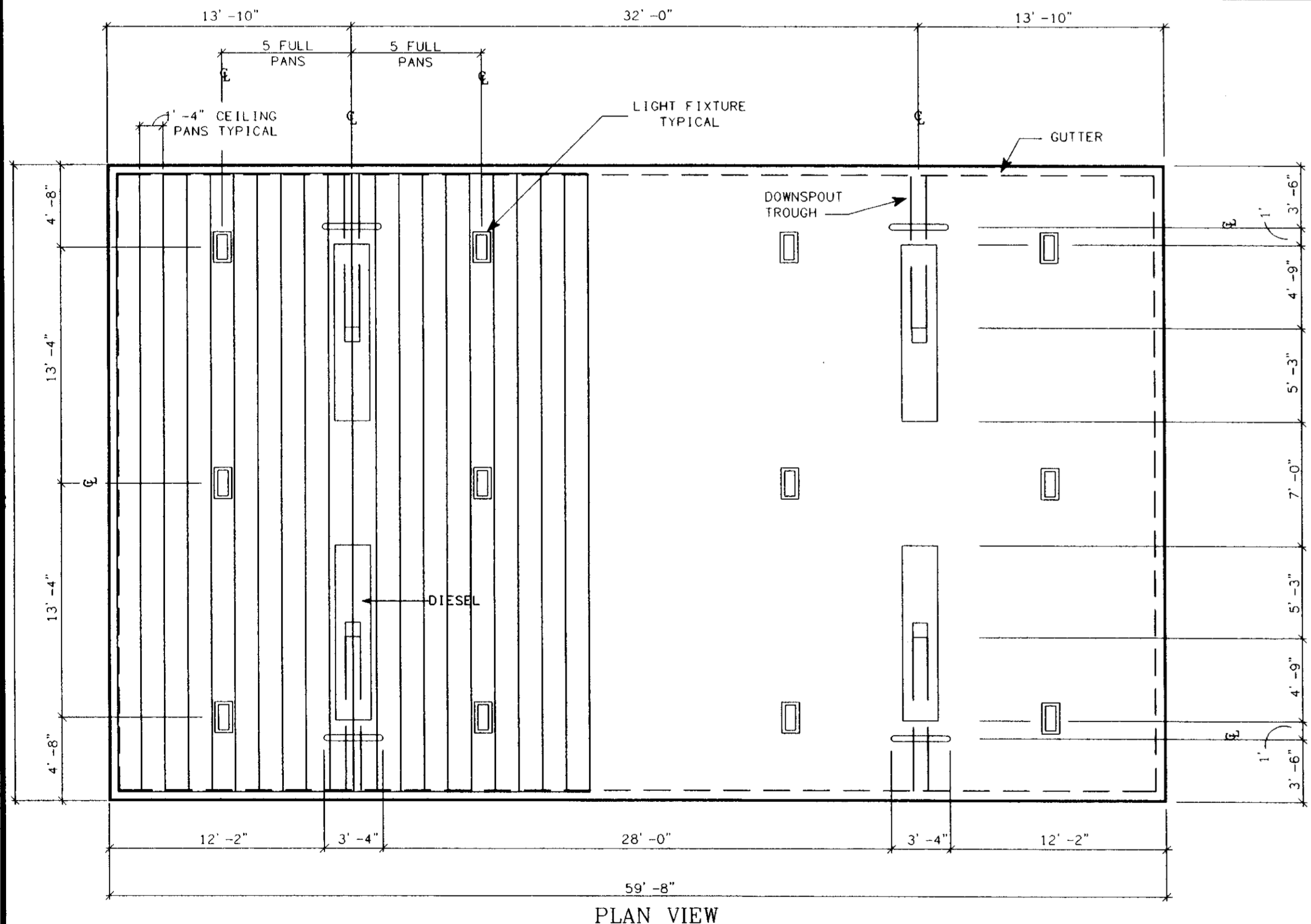


REAR ELEVATION
SCALE: 1" = 6'

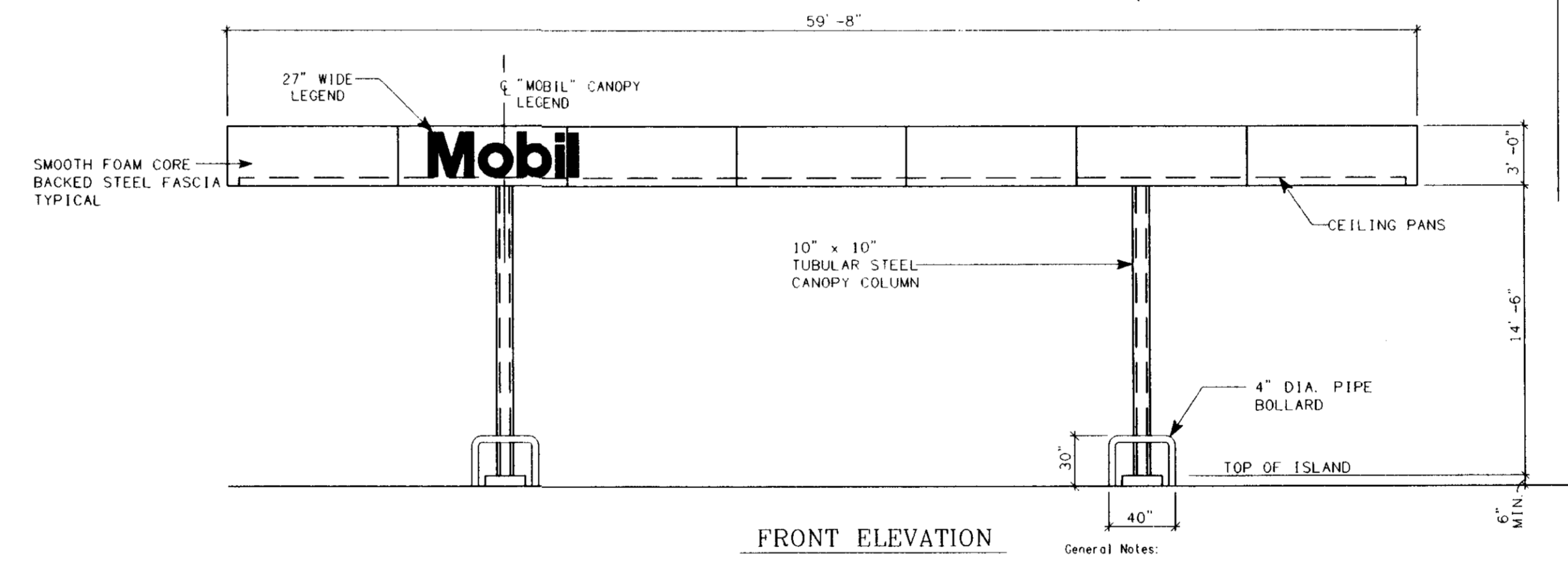


LEFT SIDE ELEVATION
SCALE: 1" = 6'

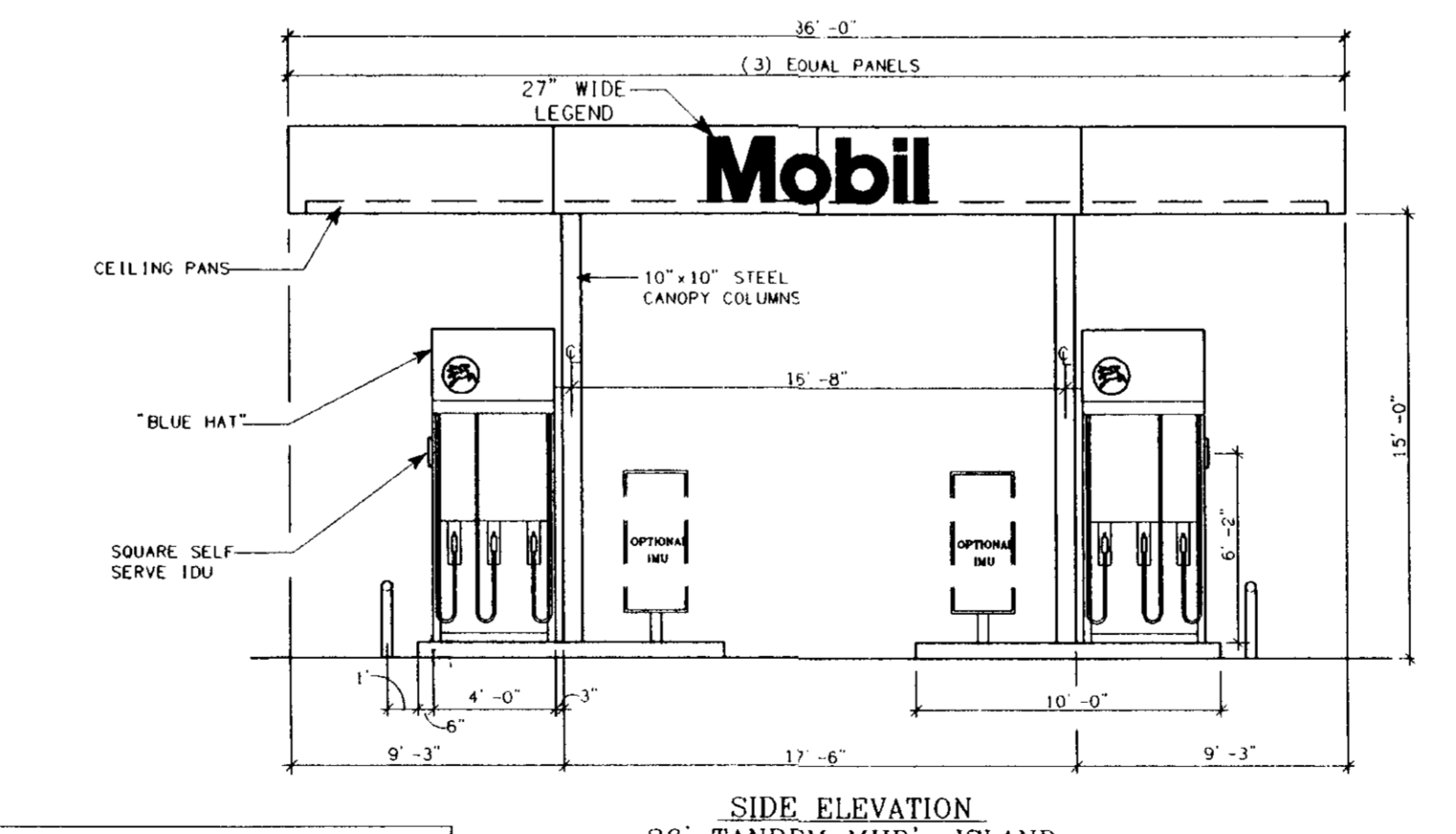
NOTE:
1. SEE SHEET A7 OF ARCHITECTURAL PLANS FOR MATERIAL FINISH SCHEDULES
2. FOR SIGN TYPES & LOCATIONS SEE SIGNAGE PLAN



PLAN VIEW



FRONT ELEVATION



SIDE ELEVATION
36' TANDEM MHD'S ISLAND

MATERIALS LIST

- B-1 FACE BRICK
MANUF. CUSHWA
COLOR: #170 (CAMDEN BLEND)
- C-1 SPLIT FACE CMU
MANUF. E. P. HEARY
COLOR: #507 BUFF COLOR
- E-1 E. I. F. S. #1
MANUF. DRYVIT
COLOR: #310 (CHINA WHITE)
TEXTURE: (SANDPEBBLE FINE)
- E-2 E. I. F. S. #2
MANUF. DRYVIT
COLOR: #449 (BUCKSKIN)
TEXTURE: (SANDPEBBLE FINE)

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
Joyce M. Boyd per *JGM* 7/14/97
DUTY HEALTH OFFICER DATE

BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
Michael Corp
DEVELOPER 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. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
[Signature]
ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

NATURAL RESOURCES CONSERVATION SERVICE DATE

THESE PLANS FOR SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.

HOWARD COUNTY SOIL CONSERVATION DISTRICT DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

[Signature] 2/5/97
DIRECTOR DATE
[Signature] 7/26/97
CHIEF DEVELOPMENT ENGINEER DIVISION DATE
[Signature] 8/4/97
CHIEF, DIVISION OF LAND DEVELOPMENT DATE

CANOPY DOWNLIGHT FIXTURE AND LAMP DESCRIPTION

Cooper square aluminum surface mounted downlight Cat. No. HUR-400W-M022-M1-ALP-LL	Standard canopy downlight fixture
LSI rectangular recessed downlight with dropped lens, Richmond Series Part # RIC S-400-M1-DL-120V-WHT-LL	Optional canopy downlight fixture
Metal Halide 400W lamp Sylvania M 400/S, No. 64490	Lamp used with both downlight fixtures

SHERMAN WILLIAMS PAINT FORMULAS

Eggshell White	Base: A100 Satin Tinting White Colorants: B1 - 1/32 + 1/64 N1 - 1/32 L1 - 1/128
White	Base: B42 Pure White Colorants: B1 - 1/32 + 1/64 N1 - 1/32 L1 - 1/128

- General Notes:
- This drawing is to be used in conjunction with the following drawings:
Drawing No. 4450-CAN Sheet No. 1 of 1 Description Canopy Details Sheet
Column, Fascia, Downlights and Gutter Detail
 - These drawings depict Mobil canopy standards. Structural design and other required design details are to be developed by the canopy supplier. Design and details are to comply with all applicable codes.
 - Design and details by canopy supplier are subject to Mobil approval.
 - Refer to site plan and/or other project documents for exact canopy length and width, and centerline spacing of rows of columns.
 - This drawing shows the standard canopy column spacing of 6'-10" (6'-8" center to center). Column spacing may vary on projects where existing MHD's are remaining in place. In such cases, the edge of column should never be closer than 3' to the edge of canopy. Refer to site plan and/or other project documents for any deviation from standard column spacing.
 - Number/location of dispensers may vary. Refer to site plan and/or other project documents for number/location of dispensers.
 - Canopy height:
a. Height to be measured from top of island with highest elevation.
b. 14'-0" height is standard. Height may be increased if warranted by specific project conditions, e.g. if necessary to provide minimum feeder canopy clearance over building roof, to minimize dirt from exhaust if high volume of large diesel truck business, if required items such as fire suppression nozzles, mirrors, etc. extend below elevation of canopy gutter. Refer to project documents for any deviation from standard height. (See canopy downlight fixture and lamp description schedule for options)
 - Canopy downlights:
a. Refer to project documents for type of downlight fixture being used.
b. Downlight fixtures and lamps to be furnished by Mobil.
c. Recessed fixtures to be installed by canopy supplier. Surface mounted fixtures may be installed by General Contractor or canopy supplier (refer to project documents).
d. Fixtures to be wired and lamps to be installed by General Contractor.
e. Recessed fixtures to be centered in 18" width of a deck pan.
f. Refer to downlight installation drawings for full details.
Recessed light fixture drawing # 450001.
Surface mounted light fixture drawing # 460001.
 - "Mobil" internally illuminated canopy legends:
a. Legends to be furnished by Mobil and installed (including wiring) by General Contractor.
b. Upper case letter ("M") to be centered on fascia height.
c. Legend location shown is typical. Number of legends may be 0, 1 or 2. Refer to site plan and/or other project documents for number and location of legends.
 - Electrical conduits:
a. Installation of electrical conduits in columns by canopy supplier is optional.
b. Refer to drawing # 4450, sheet 1, for conduit details.
c. Refer to project documents for number, size, and location of conduits if required.
 - Downspouts:
a. Downspouts to be provided in columns by canopy supplier. Downspouts to be PVC, unless cast iron or other material is specified in project documents.
b. Refer to drawing # 4450, sheet 1, for downspout details.
c. Refer to project documents for number/location of downspouts, and direction of column exit.
 - Canopy colors/painting:
a. Fascia, ceiling pans, and gutters/trim to be prefinished Mobil Eggshell White by canopy supplier.
b. Columns to be painted Mobil White by General Contractor.
c. Painting structural steel, connections, and fasteners on top of canopy by General Contractor is optional in locations subject to corrosion. Refer to project documents for specifications if required.

36'-0" x 59'-8" AREA CANOPY FOR MOBIL SS# 16-JD4
PLAN AND ELEVATIONS

BUILDING & CANOPY ELEVATIONS

<p>TYRE ENGINEERING, P.C. • CIVIL & CONSULTING ENGINEERS • TRAFFIC ENGINEERS • SURVEYORS TEL. (703) 904-8350 FARMINGDALE, N.Y. BURLINGTON, N.J.</p>		<p>Mobil US&M Asset Services DESIGN ENGINEERING FAIRFAX, VIRGINIA DESIGN ENGINEER BELM 11/12/96 APPROVED DESIGN CHECK MSS 11/12/96 DRAWN BY BEK 11/12/96 DRAWING CHECK</p>		<p>MOBIL OIL CORPORATION SS# 16-JD4 LONG GATE SHOPPING CENTER, PARCEL H, TAX MAP # 24, GRID 24 PARCELS: P/O 501 & P/O 676, 2ND ELECTION DIST. ELLIOTT CITY, HOWARD COUNTY, MARYLAND SCALE AS SHOWN PROJECT No. P97178/S95019 SHEET 9 OF 9 REV. No. 1 DRAWING No. 95018091</p>	
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