

THIS PLAN IS A REVISION TO SDP #88-173
THIS PROJECT IS EXEMPT FROM LANDSCAPING
REQUIREMENTS SPECIFIED WITHIN THE
LANDSCAPE MANUAL.

STORM WATER MANAGEMENT HAS BEEN
PROVIDED BY A FACILITY AS SHOWN ON
LOT #1 AND APPROVED UNDER GP-87-66.

WATER SUPPLY FOR BLDG F SHALL BE
PROVIDED BY A SEPARATE WELL #3 TO
BE LOCATED WHERE SHOWN, IF ADEQUATE
YIELD IS OBTAINABLE, OR AT OTHER
LOCATION WITHIN THE LIMIT OF SUBMISSION
BY SEPARATE PERMIT.

WATER USE SHALL BE IN ACCORDANCE
WITH THE STATE WATER APPROPRIATION
& USE PERMIT # H 0876005 (08).

SITE ANALYSIS

TOTAL INCLUDING PROPOSED BUILDING F
AREA OF SITE: 7.99 AC.
PRESENT ZONING: B-2
EXISTING USE: COMMERCIAL, PARTIAL CONSTRU.
PROPOSED USE: SAME
TOTAL FLOOR AREA: 58,076 S.F.
TOTAL PARKING REQUIRED FOR PARCELS G & H = 593 P.S.
TOTAL PARKING PROVIDED FOR PARCELS G & H = 600 P.S.
OPEN SPACE: 1.36 AC. = 17,028 S.F.
BUILDING COVERAGE: 1.22 AC. = 16,408 S.F.
PAVED PARKING: 3.08 AC. = 38,688 S.F.
LANDSCAPED ISLANDS: 0.24 AC. = 7,796 S.F.

ENTIRE SITE PARKING TABULATION (PARCEL 'G')

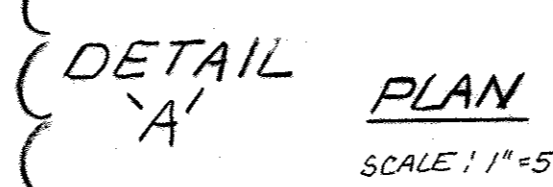
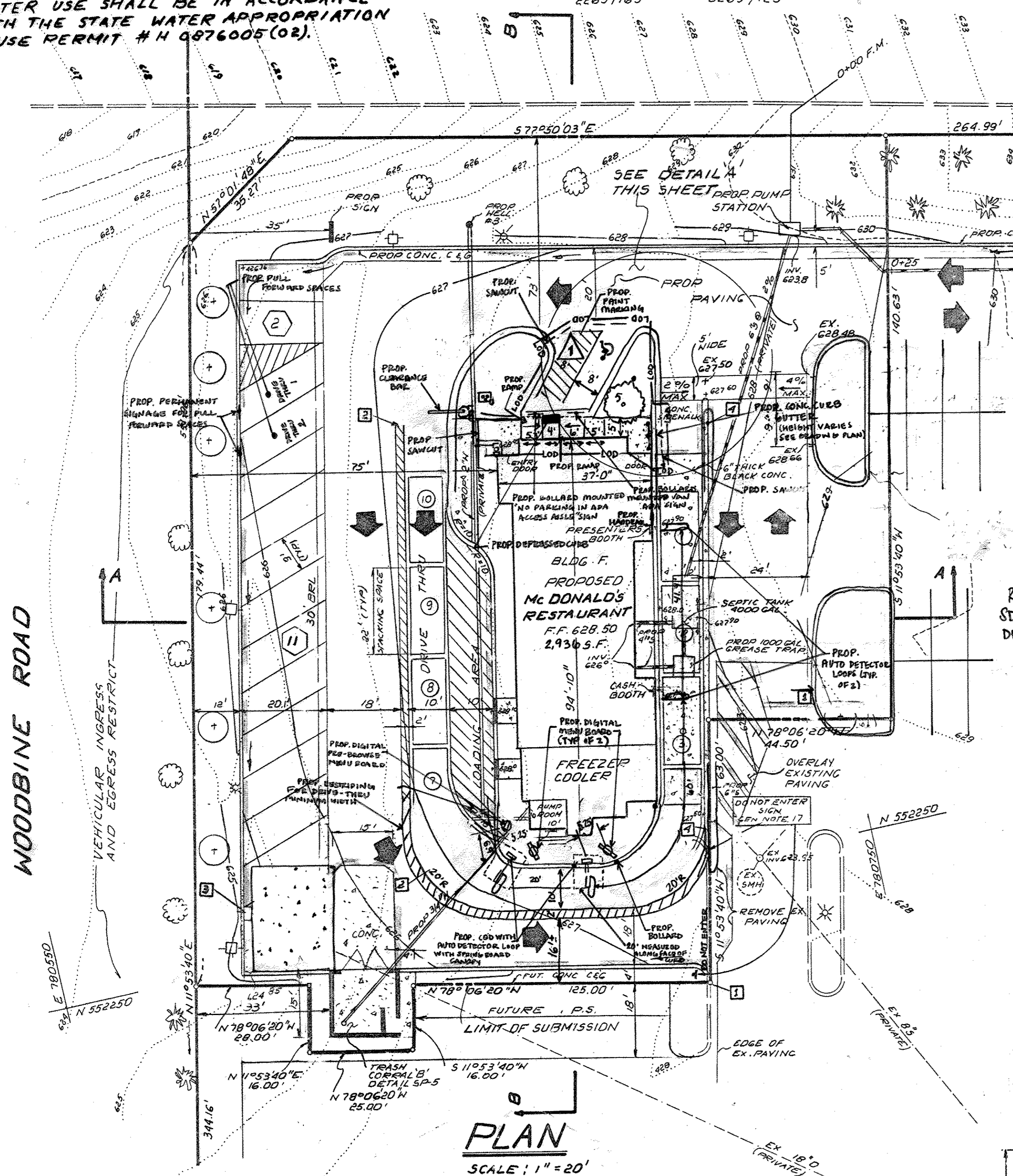
PARKING REQUIRED:
EX. BUILDING A = 14,225 S.F. GENERAL RETAIL = 5 SP/1000 SF = 72 P.S.
EX. BUILDING B = 15,450 S.F. GENERAL RETAIL = 5 SP/1000 SF = 77 P.S.
EX. BUILDING C = 9,400 S.F. GENERAL RETAIL = 5 SP/1000 SF = 47 P.S.
EX. BUILDING D = 3,531 S.F. RESTAURANT = 4 SEATS/12 EMPLOYEES = 12 P.S.
EX. BUILDING E = 2,185 S.F. (BANK) = 5 SP/1000 SF = 11 P.S.
EX. BUILDING F = 2,936 S.F. (FAST FOOD RESTAURANT) 23 SEATS; 7 EMPLOYEES = 23 P.S.
TOTAL BUILDING C = 8,000 S.F. GENERAL RETAIL = 5 SP/1000 SF = 40 P.S.
TOTAL PARKING REQUIRED FOR ALL BUILDINGS = 327 P.S.

PARCEL 'H' PARKING TABULATION

PARKING REQUIRED:
PROP. SUPERMARKET BLDG = 14,225 S.F. (GEN. RETAIL) = 5 SP/1000 SF = 72 P.S.
PROP. SUPERMARKET EXPANSION = 7,071 S.F. (GEN. RETAIL) = 5 SP/1000 SF = 35 P.S.
PROP. RESTAURANT BLDG = 3,531 S.F. (RESTAURANT) = 4 SEATS/12 EMPLOYEES = 12 P.S.
TOTAL PARKING REQUIRED FOR ALL BUILDINGS = 119 P.S.

LISBON CENTER DRIVE

2269/1163 2269/123



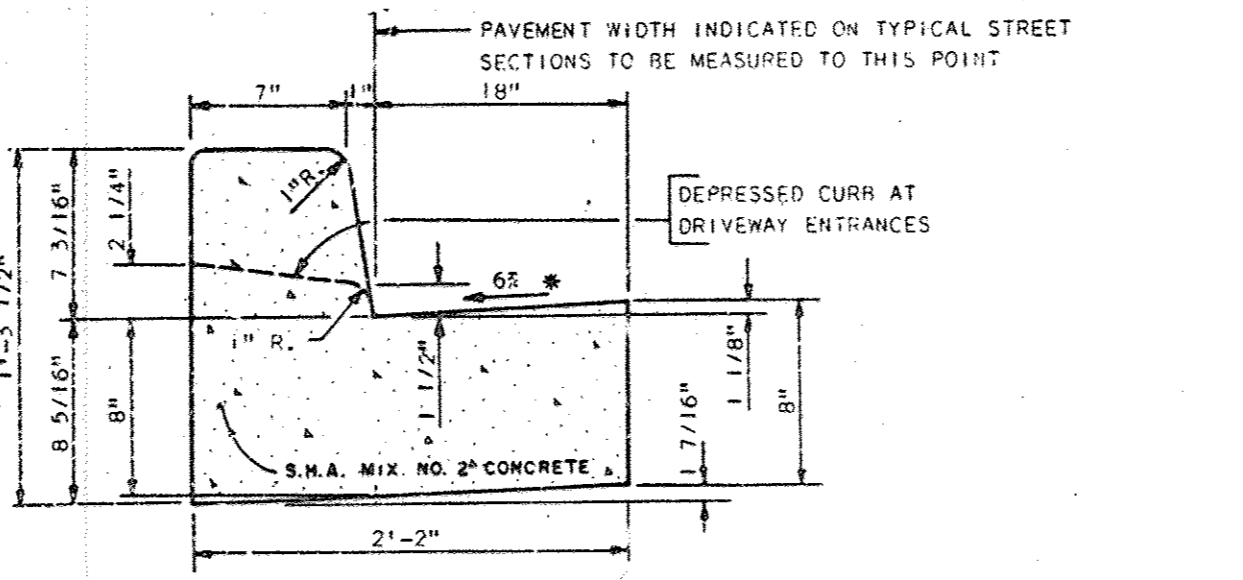
DETAIL PLAN
SCALE: 1" = 5'

LEGEND

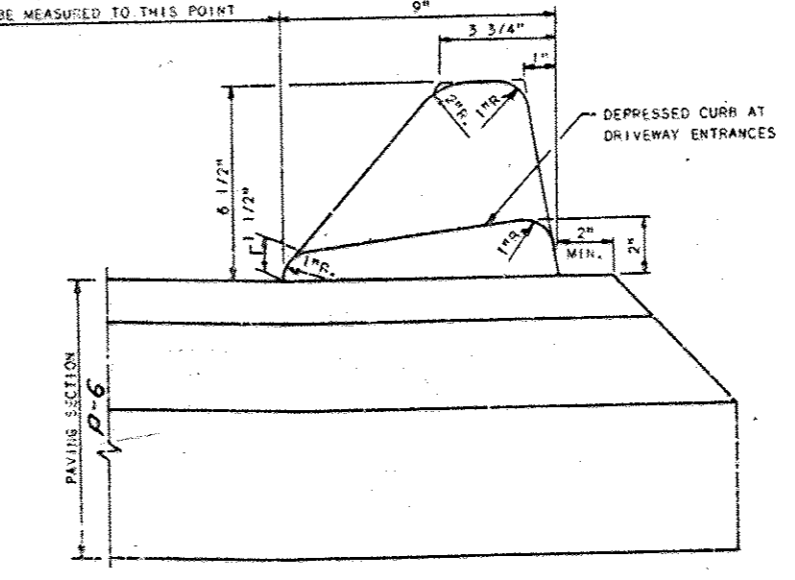
- PROPERTY LINE
- EXISTING CONTOURS
- PROP. CONTOURS
- PROP. CONC. C&G
- TEMPORARY BIT. CONC. C&G
- FUTURE CONC. C&G
- LIGHT EXIST. P/PROP
- PROP. WATER
- EX. SEWER
- PROP. SEWER
- EX. STORM DRAIN
- PROP. HANDICAP
- PROP. TREE (SEE PLANT LIST FOR DETAILS)

CONSTRUCTION NOTES

1. MEET EXISTING CURB AND GUTTER FOR LINE AND GRADE.
2. DUAL 4" WIDE WHITE LINES, 2" APART WITH 4" WIDE WHITE DIAGONAL LINES AT 2' OC.
3. ADJUST EXISTING INLET FROM EXISTING ELEV. OF 624.0 TO 624.6 USING BRICK OR APPROVED EQUIVALENT.
4. 2" WIDE CONCRETE MEDIAN, 6" R/SIDE, USING S.H.A. MIX NO. 2 CONCRETE.
5. PATCH F.M. TRENCH, FULL TRENCH COMPACTION AND TYPICAL PAV. IN SECTION, THIS SHEET.



STANDARD 7" COMBINATION CURB & GUTTER
(HOWARD COUNTY STANDARD DETAIL R-3.01)
N.T.S.



STANDARD BITUMINOUS CURB
N.T.S.

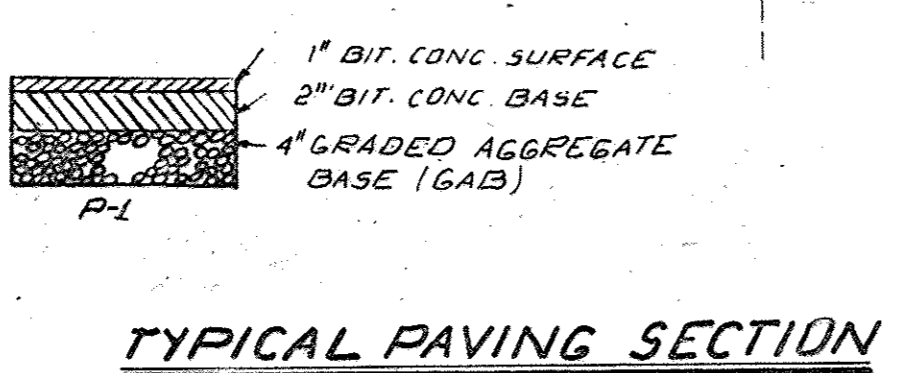
FOR REVISION 2 ONLY

J.J. UGGERO

BOHLER ENGINEERING

PLANT LIST

Qty	Botanical Name	Common Name	Size	Condition
9	Quercus palustris 'Sovereign'	Sovereign Pin Oak	2-2 1/2"	B&H
	Gleditsia tri. inermis 'Shademaster'	Shademaster Honeylocust	2-2 1/2"	B&H NOTE: All trees in this group to be street tree standards.
	Platanus acerifolia 'Bloodgood'	Bloodgood Platanus	2-2 1/2"	B&H
	Quercus acutissima	Santooth Oak	2-2 1/2"	B&H
	Acer rubrum	Red Maple	2-2 1/2"	B&H



TYPICAL PAVING SECTION
N.T.S.

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
658 KENILWORTH DRIVE, #101
TOWSON, MARYLAND 21286
(301) 825-8120

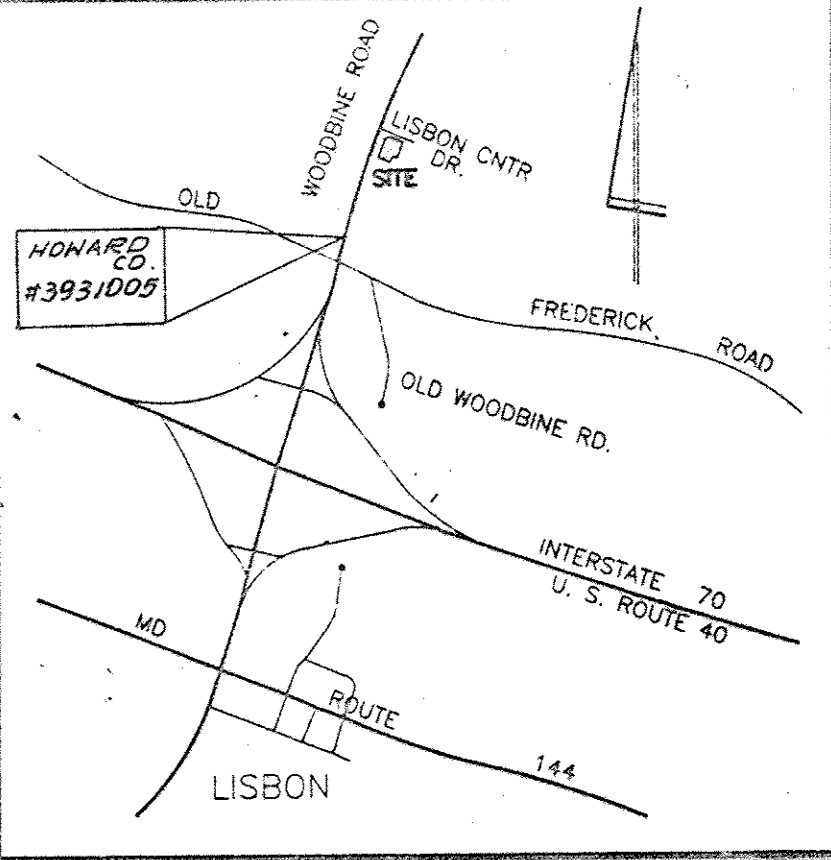
ENGINEER CERTIFICATION
I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
Engineer: *[Signature]* Date: 2/1/94
Name: John J. Stephens PE # 4732

OWNER / DEVELOPER
Mc DONALD'S CORPORATION
COLUMBIA CORPORATE PARK
8850 STANFORD BOULEVARD
SUITE 2000
COLUMBIA, MD 21045
301-290-0000

DEVELOPER CERTIFICATION
I do 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.
Developer: *[Signature]* Date: 2.1.94
Name: Jeffrey Datto

REVISIONS
B.9.95 ADDED PLAYLAND AREA
4.14.93 DRAWING THEO AND HDA
PARKING REVISIONS,
ADDRESSSED COUNTY COMMENTS

REVISED SITE PLAN
FOR
LISBON CENTER BLDG. F
ROUTE 94 BUSINESS CENTER
HOWARD CO, MD
TAX MAP NO. 2
SCALE: 1" = 20'
ELECT. DIST. 4
PARCEL NO. 2
SHT. OF 4
DATE, OCT 7 1993



VICINITY MAP
Scale: 1" = 2000'

BENCH MARK:
HOWARD COUNTY #3931005 ELEV. 634.96
3/4" REINFORCING ROD 0.5' BELOW SURFACE, 885' N OF ROUTE 99 ALONG SIDE WOODBINE ROAD
B.M. 160 ELEV. 631.45
IRON PIPE AT SOUTH PROP. COR. OF PARCEL 'D' ALONG WOODBINE ROAD.

SHEET INDEX

SHEET 1	SITE, GRADING & DETAILS
SHEET 2	SECTIONS & DETAILS
SHEET 3	SEDIMENT & EROSION CONTROL PLAN
SHEET 4	SEDIMENT & EROSION CONTROL DETAILS

PREVIOUS SUBMISSIONS

SDP 87-194
GP 87-66
SDP 88-173

These plans have been reviewed for the Howard Soil Conservation District meet the technical requirements for small pond construction, soil erosion and sediment control.

[Signature]
U.S. Soil Conservation Service

These plans for small pond construction, soil erosion and sediment control meet the requirements of Howard Soil Conservation District.

Approved: *[Signature]* 2/22/94
Howard Soil Conservation District

Plan Number
APPROVED: For private water and private sewerage systems
Howard County Health Department.

[Signature] 3/15/94
County Health Officer

APPROVED: Howard County Dept. of Planning & Zoning.

[Signature] 3/24/94
Director

[Signature] 3/23/94
Chief Division of LAND DEVELOPMENT AND RESEARCH

APPROVED: For private water and private sewer storm drainage systems and public roads Howard County Department of Public Works.

[Signature] 3/18/94
Director

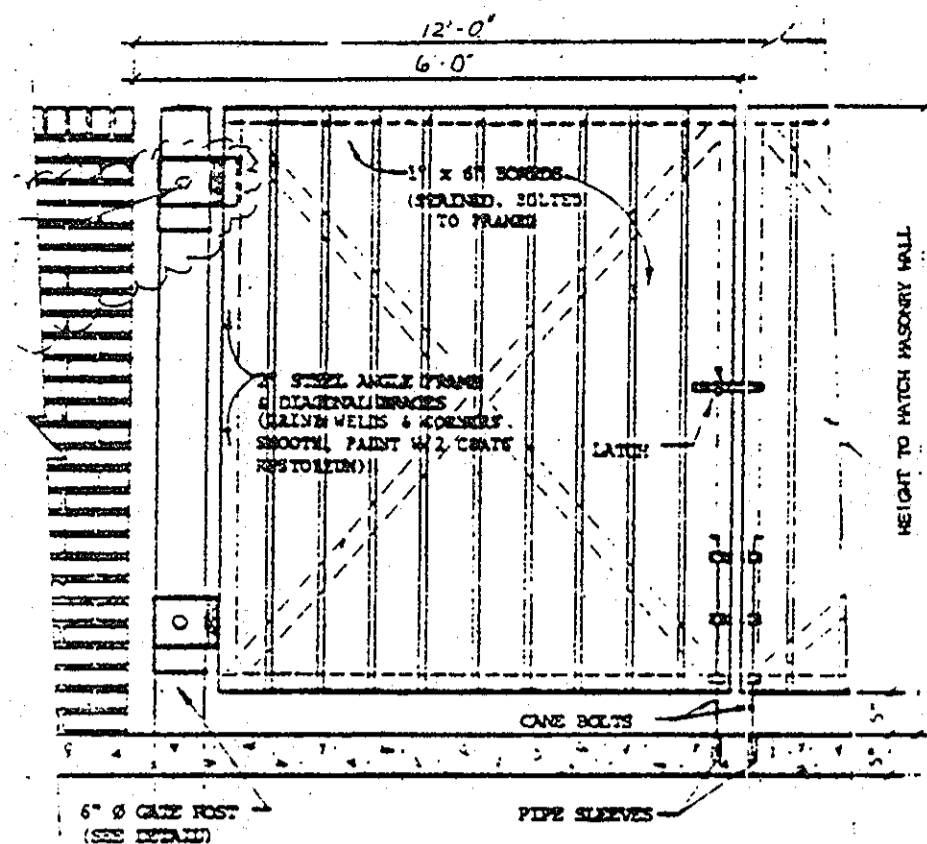
[Signature] 3/3/94
Chief Bureau of Engineering

ADDRESS CHART

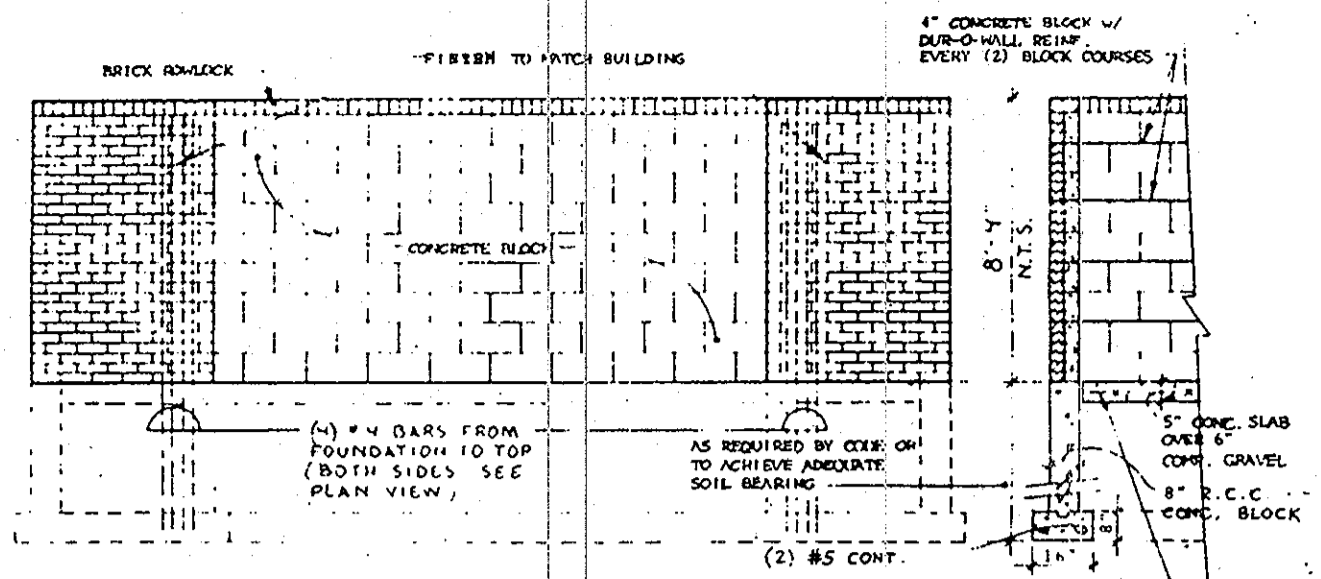
BUILDING #	STREET ADDRESS
F	702 LISBON CENTER DRIVE

REVISIONS

NO.	DATE	DESCRIPTION
1	8.9.95	ADDED PLAYLAND AREA
2	4.14.93	DRAWING THEO AND HDA PARKING REVISIONS, ADDRESSSED COUNTY COMMENTS



TRASH CORRAL B
Scale: none

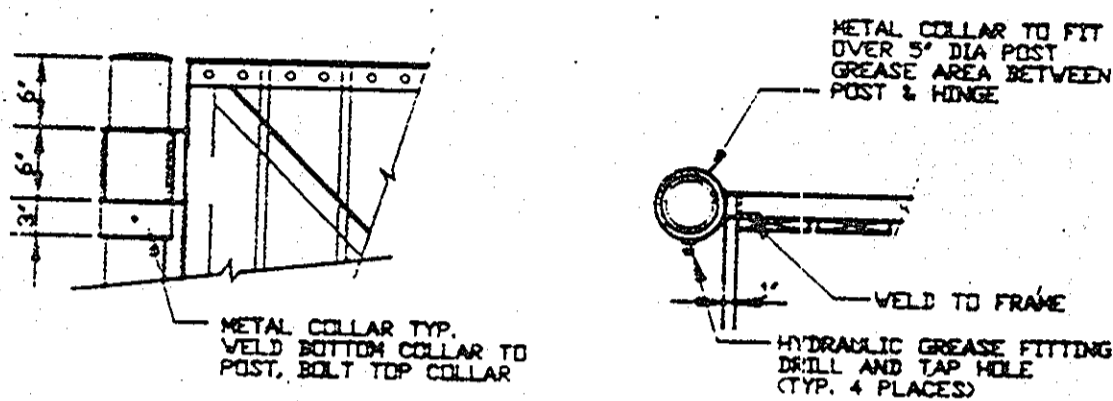


FRONT ELEVATION
SCALE: NONE

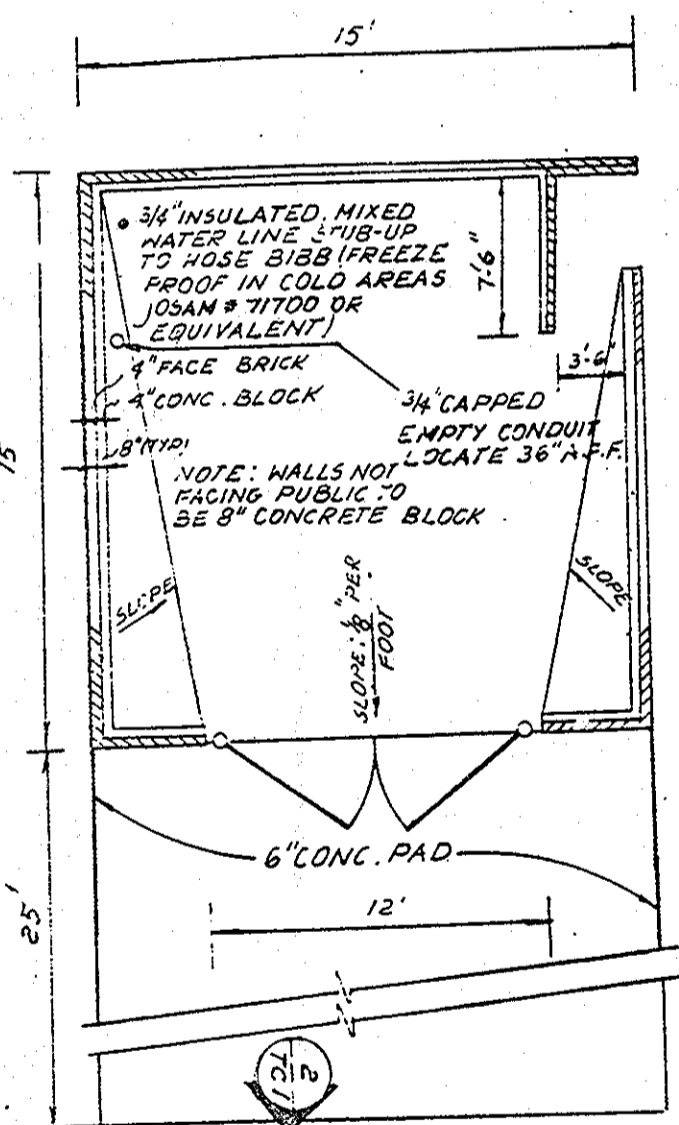
WALL SECTION
SCALE: NONE

SPECIAL NOTES

- THE EXISTING SEWAGE DISPOSAL AREA ON LOT #2 OF LISBON CENTER IS AT MAXIMUM DESIGN CAPACITY, PROVIDING SERVICE FOR EXISTING TENANTS OF BUILDING 'A', 'B' AND 'D' PLUS AN ALLOWANCE FOR MINIMAL FLOWS FROM FUTURE BUILDING 'C'. HEALTH DEPARTMENT APPROVAL OF FUTURE BUILDINGS 'E' AND 'G' ARE CONTINGENT ON PROVIDING SUFFICIENT SEWAGE DISPOSAL CAPACITY OTHER THAN ON LOT #2.
- FUTURE CONSTRUCTION OF BUILDING 'G', AS SHOWN, IS IN CONFLICT WITH THE POSITION OF EXISTING WELL #1 AND MUST BE RESOLVED PRIOR TO ISSUANCE OF A BUILDING PERMIT FOR BUILDING 'G' (MINIMUM 30' SEPARATION IS REQUIRED).
- ISSUANCE OF A BUILDING PERMIT FOR BUILDING 'F' IS CONTINGENT UPON ESTABLISHMENT OF AN ADEQUATE WATER SUPPLY TO SERVE BUILDING 'F'. A WELL CONSTRUCTION PERMIT APPLICATION AND REVISION TO THE STATE WATER APPROPRIATION PERMIT ARE PENDING.
- SEPTIC TANK CAPACITY, GREASE TRAP SIZE, SEWAGE PUMPING STATION AND FORCE MAIN SYSTEM ARE CONCEPTUAL AND SUBJECT TO REVIEW UPON APPLICATION FOR THE SEPTIC SYSTEM PERMIT. SEPTIC SYSTEM PLANS SHALL BE APPROVED BY THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO APPLICATION FOR THE SEPTIC SYSTEM PERMIT.
- MAXIMUM SEWAGE DESIGN CAPACITY FOR THE SEPTIC AREA IS 3750 gal. per day.

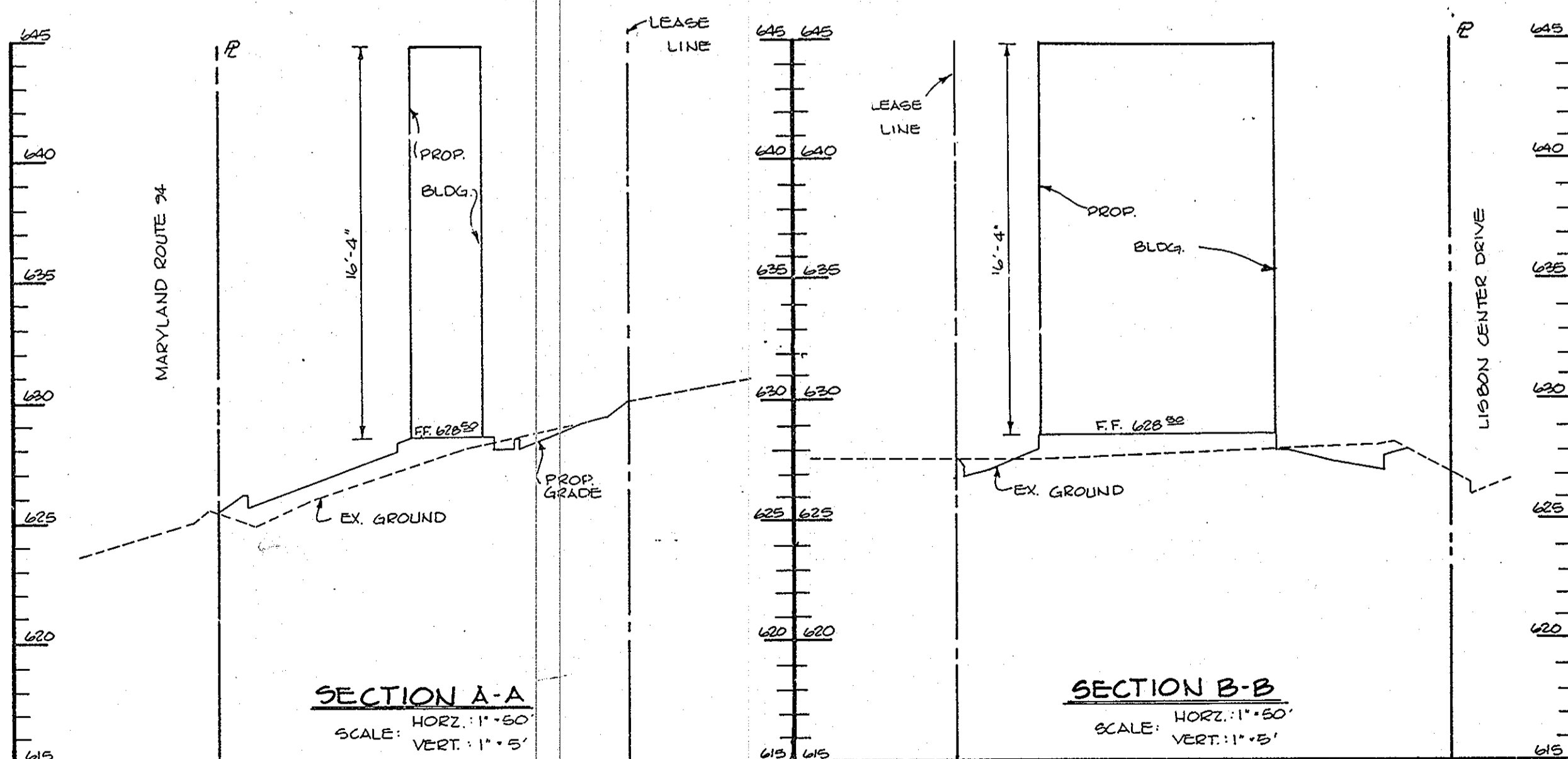
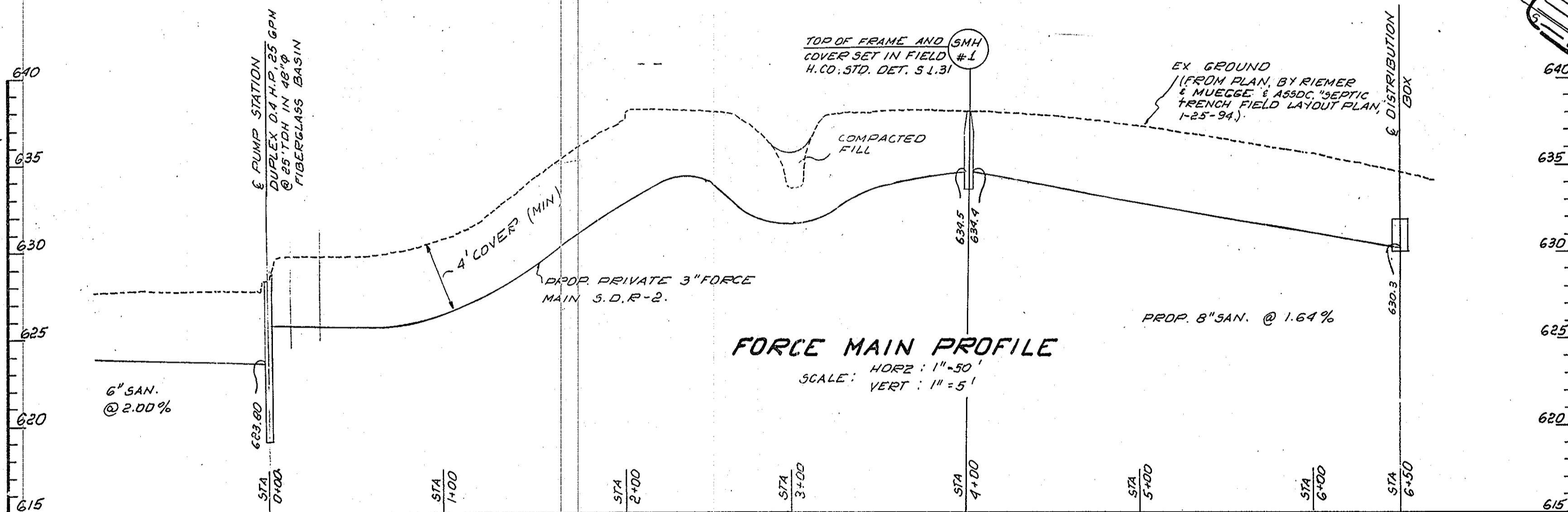


TRASH ENCLOSURE GATE & MOUNTING DETAILS

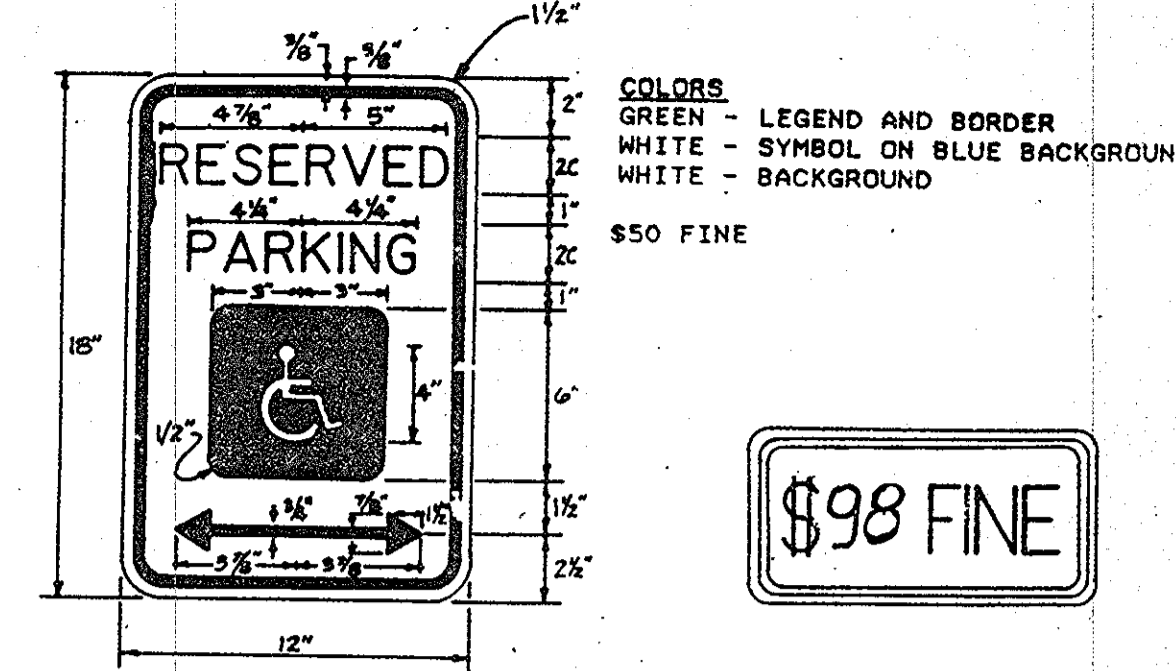


TRASH ENCLOSURE B
SCALE: NONE (REVERSED)

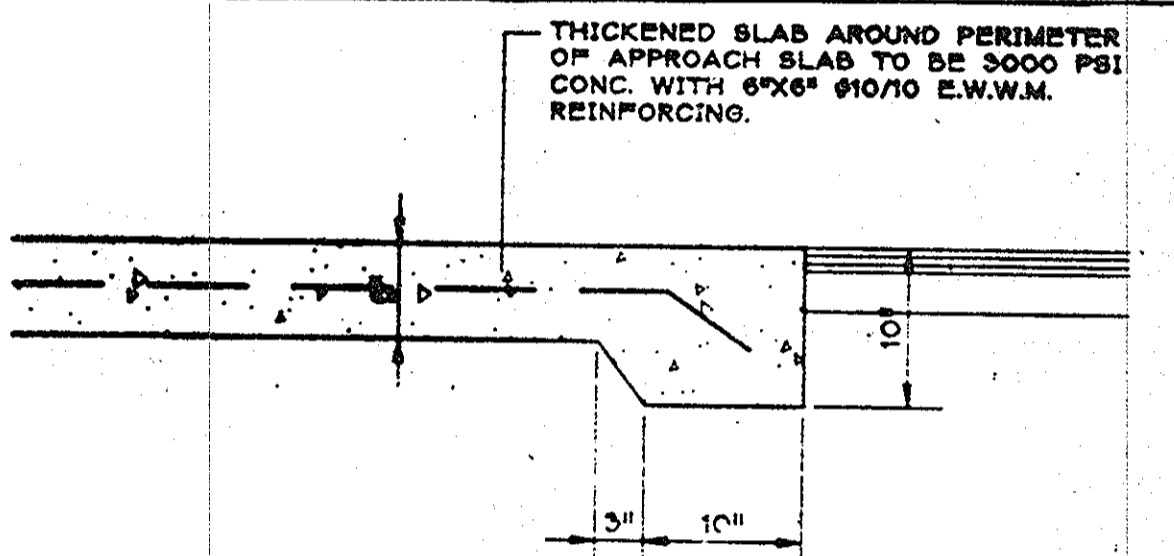
PLAN
SEWAGE DISPOSAL AREA AND FORCE MAIN
SCALE: 1"=100'



NOTE: SEPTIC TRENCH FIELD CONSTRUCTION SHALL BE STRICTLY IN ACCORDANCE WITH THE PLAN FOR LISBON CENTER BY RIEMER MUEGGE & ASSOC. INC. TITLED "SEPTIC TRENCH FIELD LAYOUT PLAN" APPROVED BY HOWARD CO. HEALTH DEPT. DATE 1-25-94. REMAINDER OF THE SEPTIC SYSTEM (GREASE TRAP, SEPTIC TANKS, PIPES, PUMPS AND CONTROL SYSTEM) SHALL BE IN ACCORDANCE WITH THE APPROVED "SEPTIC SYSTEM PERMIT DRAWING" WHICH WILL BE SUBMITTED BY G.W.S. STEPHENS, JR. & ASSOC. PRIOR TO ISSUANCE OF THE SEPTIC PERMIT.



THICKENED SLAB AROUND PERIMETER OF APPROACH SLAB TO BE 3000 PSI CONC. WITH 6"x6" #10/10 E.W.W.M. REINFORCING.



These plans have been reviewed for the Howard Soil Conservation District meet the technical requirements for small pond construction, soil erosion and sediment control.

Approved: Patricia Englefer, U.S. Soil Conservation Service, 3/18/94

These plans for small pond construction, soil erosion and sediment control meet the requirements of Howard Soil Conservation District.

Approved: John P. Robertson, Howard Soil Conservation District, 2/22/94

APPROVED: For private water and private sewerage systems Howard County Health Department.

Approved: Joyce M. Boyd, Howard County Health Officer, 3/15/94

APPROVED: Howard County Dept. of Planning & Zoning.

Approved: James R. Burt, Director, 3/18/94

Approved: Jim Summery, Chief Division of Land Development and Research, 3/23/94

APPROVED: For private water and private sewer storm drainage systems and public roads Howard County Department of Public Works.

Approved: James J. Grew, Director, 3/18/94

Approved: Paul D. Soper, Chief Bureau of Engineering, 3/18/94

ADDRESS CHART

BUILDING #	STREET ADDRESS
E	702 LISBON CENTER DRIVE

SUBDIVISION NAME: ROUTE 94 BUSINESS CENTER

PLAT # OR L/T	BLOCK #	ZONE	TAX/ZONE MAP	ELECT. DIST.	CENSUS TRACT
7170	24	B-2	2	4	6040

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS
658 KENILWORTH DRIVE, SUITE 100
TOWSON, MARYLAND 21204
(410) 825-8120



ENGINEER CERTIFICATION
"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
Engineer: *John J. Stamm* Date: 2/11/94
Name: John J. Stamm PE # 4732

OWNER/DEVELOPER
McDONALD'S CORPORATION
COLUMBIA CORPORATE PARK
8850 STANFORD BOULEVARD
SUITE 2000
COLUMBIA, MD 21045
(301) 290-0000

DEVELOPER CERTIFICATION
"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 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."
Developer: *Jeff Baricko* Date: 2.1.94
Name: Jeff Baricko

DRAWN: MB.
DESIGN: V2.
CHECKED: V2/JJS
REVISIONS:

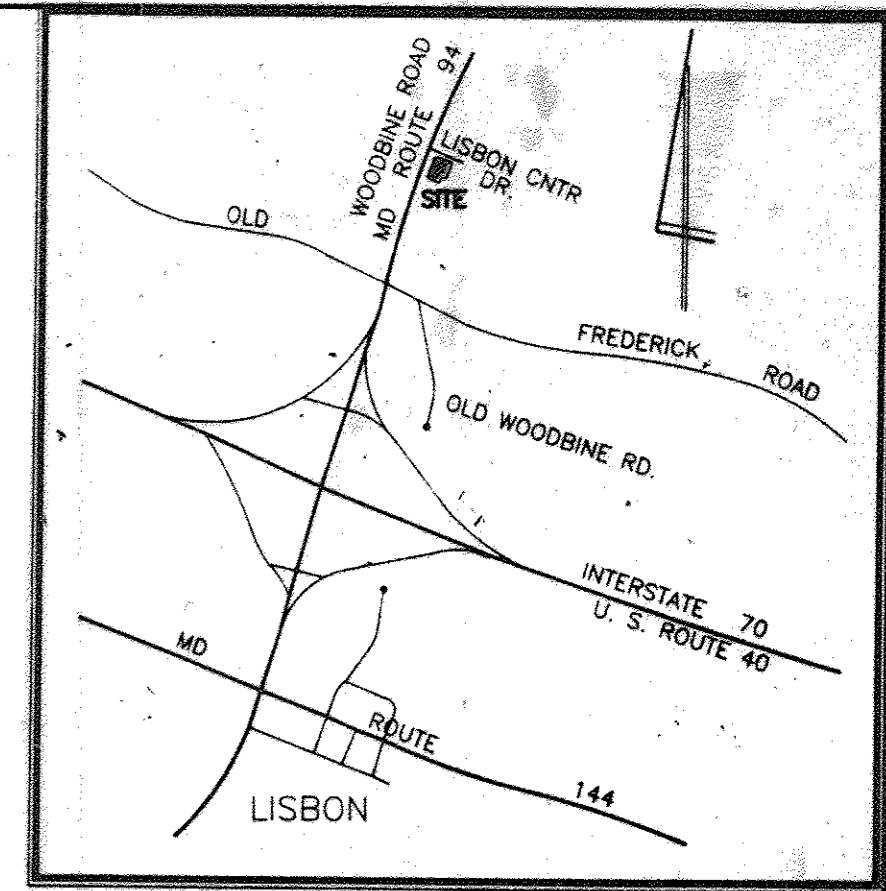
SECTIONS & DETAILS FOR BUILDING 'F' LISBON CENTER
ROUTE 94 BUSINESS CENTER
HOWARD COUNTY, MARYLAND
TAX MAP NO 2
SCALE: AS SHOWN
ELECTION DISTRICT #4
PARCEL #
SHEET 2 OF 4
DATE: OCT. 7, 1994
SDP-9422

SITE ANALYSIS

AREA OF SITE*: 7.99 AC.
 AREA OF SUBMITTAL (BLDG. F): 34,000 S.F. ± OR 0.78 AC. ±
 PRESENT ZONING: B-2
 EXISTING USE: VACANT
 PROPOSED USE: RESTAURANT
 FLOOR AREA (BLDG. F): 2,926 S.F.
 TOTAL FLOOR AREA*: 57,165 S.F.
 MAXIMUM NUMBER OF EMPLOYEES (BLDG. F): 7

OPEN SPACE*: 1.36 AC. = 17.02%
 BUILDING COVERAGE*: 1.31 AC. = 16.40%
 PAVED PARKING*: 3.08 AC. = 38.6%
 LANDSCAPED ISLANDS*: 0.24 AC. = 7.79%
 *ENTIRE SITE - SDP 88-173

LIMIT OF DISTURBANCE = 65,760.00 SF / 1.51 AC ±
 AREA TO BE VEGETATIVELY STABILIZED = 380,505 SF / 0.87 AC ±



VICINITY MAP

Scale: 1" = 2000'

BENCH MARK:
 HOWARD COUNTY #3931005 ELEV. 634.96
 3/4" REINFORCING ROD 0.5' BELOW SURFACE, 285' N OF ROUTE 99 ALONG SIDE WOODBINE ROAD
 B.M. #60 ELEV. 634.46
 IRON PIPE AT SOUTH PROP. COR. OF PARCEL 'D' ALONG WOODBINE ROAD

SEQUENCE OF OPERATION

- OBTAIN GRADING PERMIT.
- NOTIFY THE HOWARD COUNTY DEPARTMENT OF PERMITS AND LICENSES INSPECTOR 48 HOURS BEFORE BEGINNING WORK.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE.
- CLEAR AND GRUB FOR SEDIMENT CONTROL MEASURES.
- CONSTRUCT/INSTALL STORM INLET SEDIMENT TRAP AND INSTALL EARTH DIKES.
- BEGIN ROUGH GRADING FOR ENTIRE SITE WHILE MAINTAINING POSITIVE DRAINAGE TOWARDS SEDIMENT CONTROL MEASURES AND DEVICES.
- BEGIN BUILDING CONSTRUCTION.
- INSTALL ALL UTILITIES.
- FINE GRADE THE SITE. INSTALL CURB AND GUTTER AND STONE SUBBASE. STABILIZE ALL REMAINING AREAS, EXCEPT STORM INLET SEDIMENT TRAP AREA.
- WITH THE APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE STORM INLET SEDIMENT TRAP AND PROCEED WITH PAVING OPERATIONS.

These plans have been reviewed for the Howard Soil Conservation District meet the technical requirements for small pond construction, soil erosion and sediment control.

Pedricia Engler/CS. Date: 2/10/94
 U.S. Soil Conservation Service

These plans for small pond construction, soil erosion and sediment control meet the requirements of Howard Soil Conservation District.

Approved: *John R. Robinson* 2/22/94
 Howard Soil Conservation District Date

Plan Number:
 APPROVED: For private water and private sewerage systems
 Howard County Health Department.

Joyce M. Boyd per *JR* 2/15/94
 County Health Officer Date

APPROVED: Howard County Dept. of PLANNING & ZONING
Joseph R. Smith 3/24/94
 Director Date

Quinn Swannery 3/22/94
 Chief Division of LAND DEVELOPMENT AND RESEARCH Date

APPROVED: For private water and private sewer storm drainage systems and public roads Howard County Department of Public Works.

James J. Ucciferro 3/18/94
 Director Date

Charles W. Seaman 3/3/94
 Chief Bureau of Engineering Date

ADDRESS CHART
 BUILDING # STREET ADDRESS
 F 702 LISBON CENTER DRIVE

SUBDIVISION NAME: ROUTE 94 BUSINESS CENTER
 PLAT # OR L/F: 7170 24
 BLOCK # ZONE/TAX/ZONE MAP: B-2 2
 ELECT. DIST. CENSUS TRACT: 4

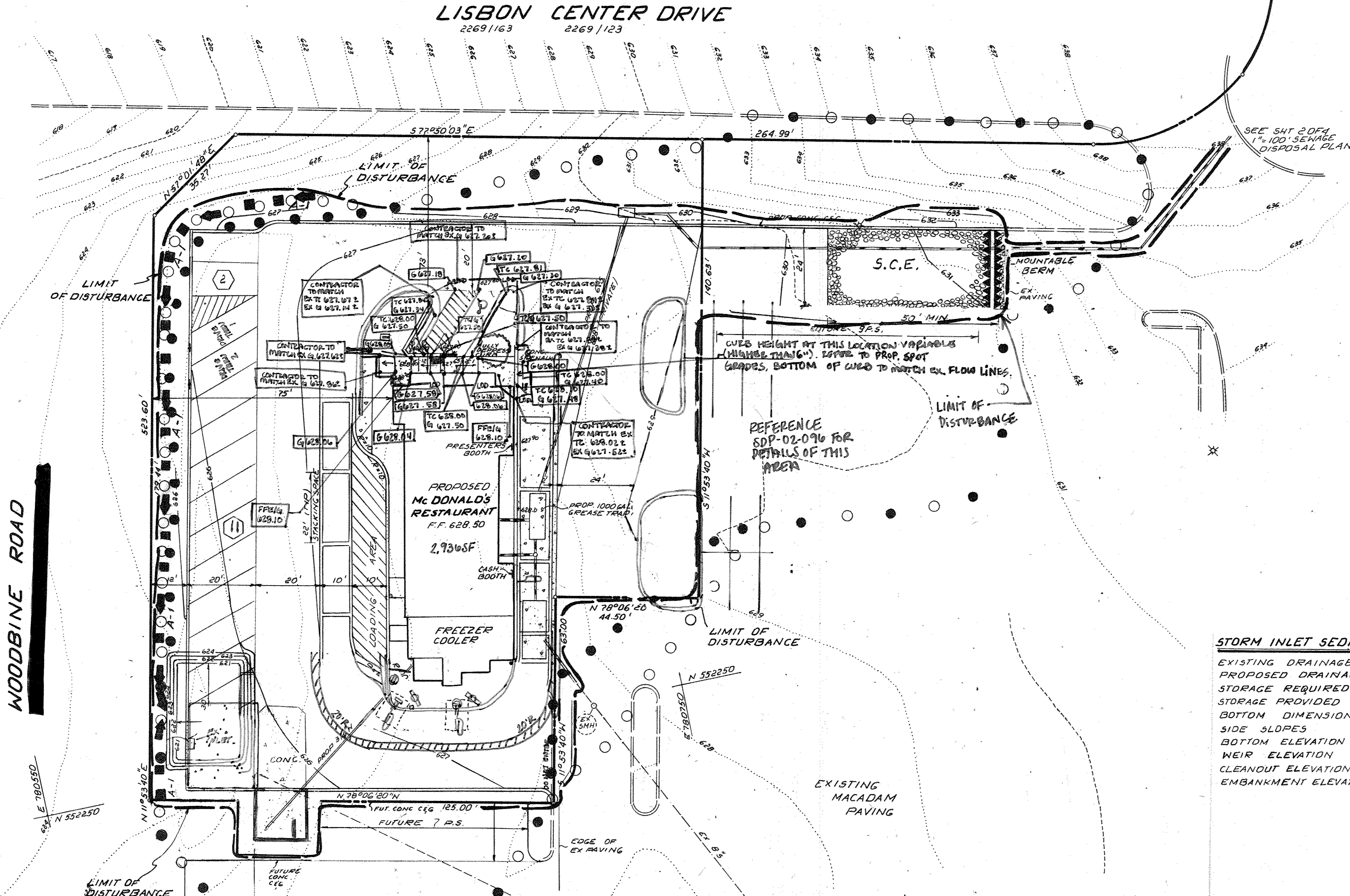
WATER CODE: SEWER CODE:

SEDIMENT & EROSION CONTROL PLAN
 FOR LISBON CENTER BLDG. F
 ROUTE 94 BUSINESS CENTER

HOWARD CO., MD. TAX. MAP NO. 2
 SCALE: 1" = 20'
 SHEET 3 OF 4
 DATE: OCT 7, 1993

REVISIONS:
 4-19-16 DRIVE THRU AND ADA PARALLEL REVISIONS, ADDRESS COUNTY COMMENTS

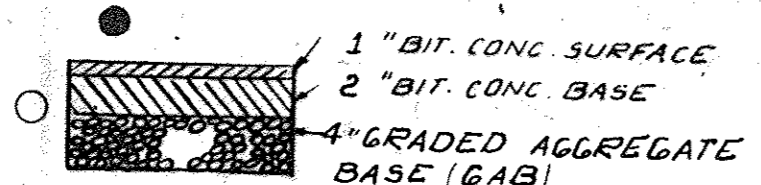
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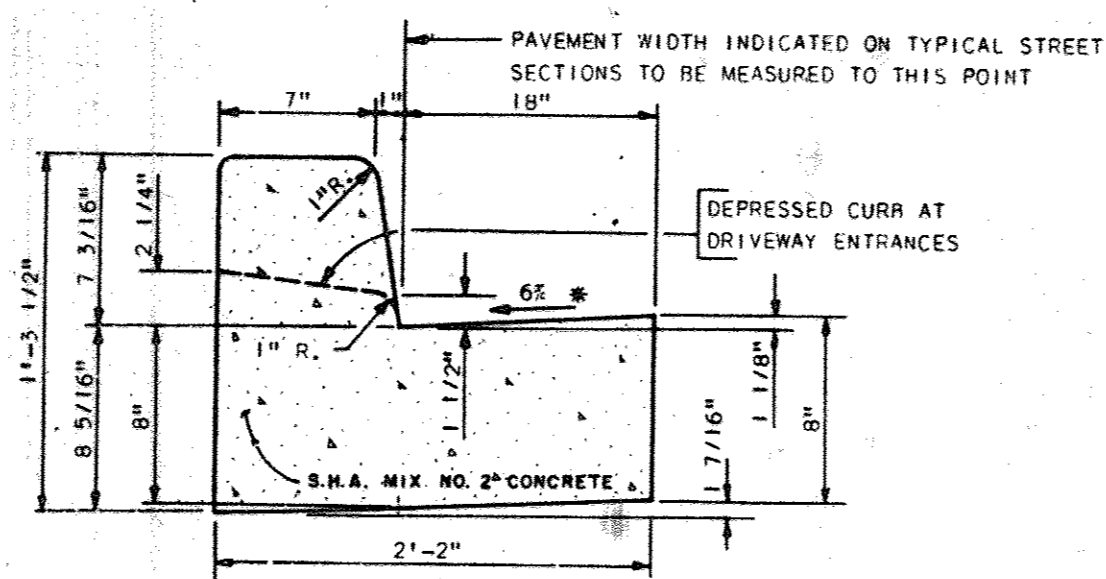
WOODBINE ROAD

LISBON CENTER DRIVE
 2269/163 2269/123

PLAN
 SCALE: 1" = 20'



TYPICAL PAVING SECTION
 N.T.S.

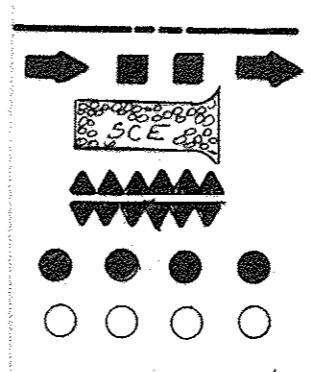


STANDARD 7" COMBINATION CURB & GUTTER
 (HOWARD COUNTY STANDARD DETAIL R-3.01)
 N.T.S.

STORM INLET SEDIMENT TRAP ST-III
 EXISTING DRAINAGE AREA — 1.10 AC ±
 PROPOSED DRAINAGE AREA — 1.15 AC ±
 STORAGE REQUIRED — 1800 x 1.15 = 2070 CF
 STORAGE PROVIDED — 2304 CF (621.00 TO 624.00)
 BOTTOM DIMENSION — 20' x 30'
 SIDE SLOPES — 1:1
 BOTTOM ELEVATION — 621.00
 WEIR ELEVATION — EX 624.04
 CLEANOUT ELEVATION — 622.50
 EMBANKMENT ELEVATION — 625.50 (TOP OF EARTH DIKE)

LEGEND

- LIMIT OF DISTURBANCE
- EARTH DIKE
- STABILIZED CONSTRUCTION ENTRANCE
- MOUNTABLE BERM
- EX RIDGELINE TO STORM INLET SEDIMENT TRAP
- PROP RIDGELINE TO STORM INLET SEDIMENT TRAP



FOR REVISION 2 ONLY

J.J. UCCIFERRO
 BOHLER ENGINEERING
 5-8-18

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 658 KENILWORTH DRIVE, SUITE 100
 TOWSON, MARYLAND 21284
 (301) 825-8120

ENGINEER CERTIFICATION
 "I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."
 Engineer: *John J. Swannery* Date: 2/1/94
 Name: *John J. Swannery* PE # 4732

OWNER / DEVELOPER
Mc DONALD'S CORPORATION
 COLUMBIA CORPORATE PARK
 8850 STANFORD BOULEVARD
 SUITE 2000
 COLUMBIA, MD 21045
 301-290-0000

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 Developer: *Jeff Baricko* Date: 2.1.94
 Name: *Jeff Baricko*

DRAWN: H.C.
 DESIGN: V.2.
 CHECKED: V.2. (JJS)
 REVISIONS:
 4-19-16 DRIVE THRU AND ADA PARALLEL REVISIONS, ADDRESS COUNTY COMMENTS

SEDIMENT & EROSION CONTROL PLAN
 FOR LISBON CENTER BLDG. F
 ROUTE 94 BUSINESS CENTER
 HOWARD CO., MD. TAX. MAP NO. 2
 SCALE: 1" = 20'
 SHEET 3 OF 4
 DATE: OCT 7, 1993

HOWARD SOIL CONSERVATION DISTRICT
PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:
1) **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 disk into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq. ft.).
2) **Acceptable** - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1800 lbs per acre 10-10-10 fertilizer (42 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

Seeding: For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (.05 lbs/1000 sq. ft.) of seeping lowgrass. During the period of October 16 thru February 29, protect site by: Option (1) - 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) - Use sod. Option (3) - Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.

Maintenance: Inspect all seeding areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeding preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.).

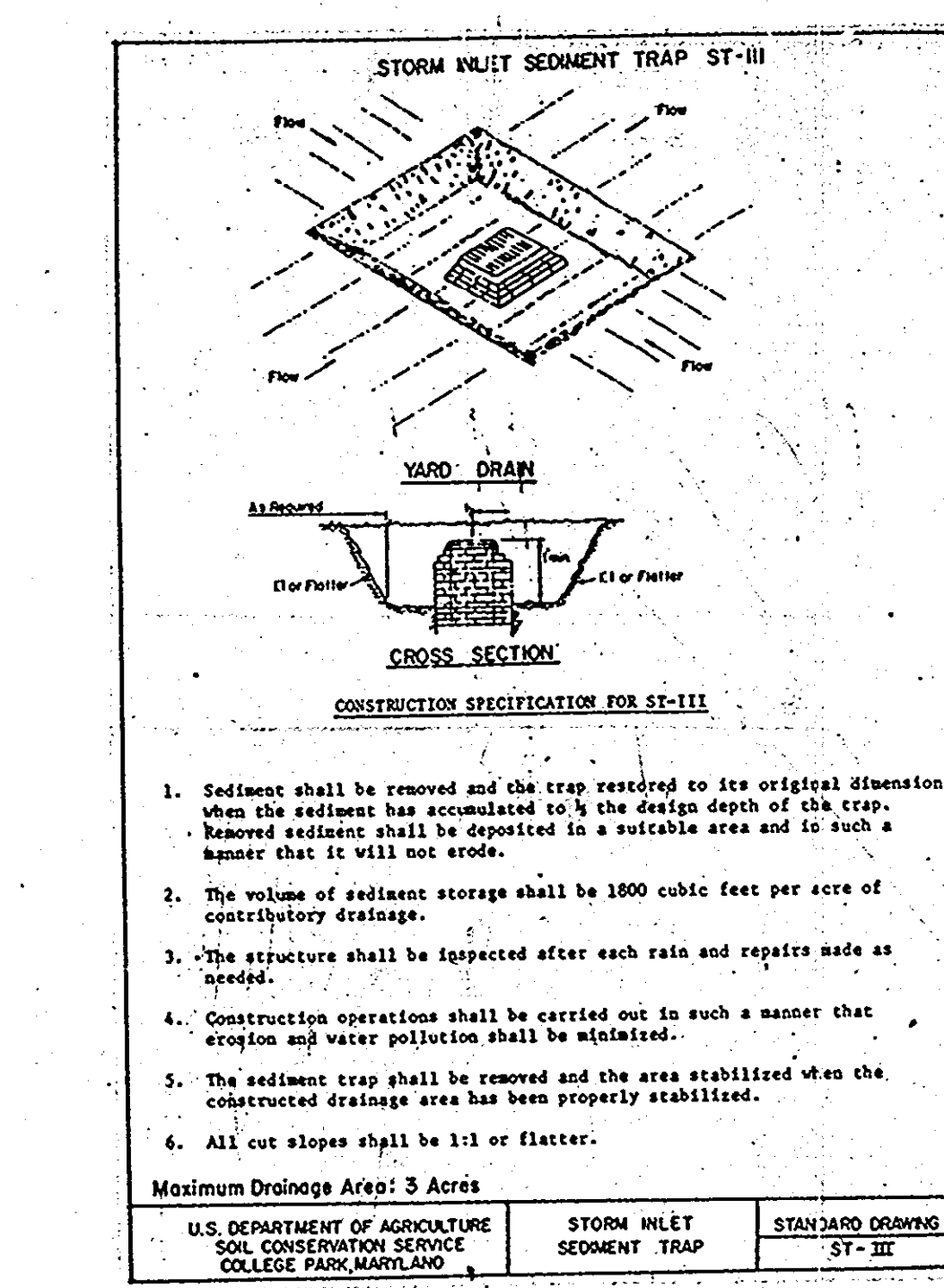
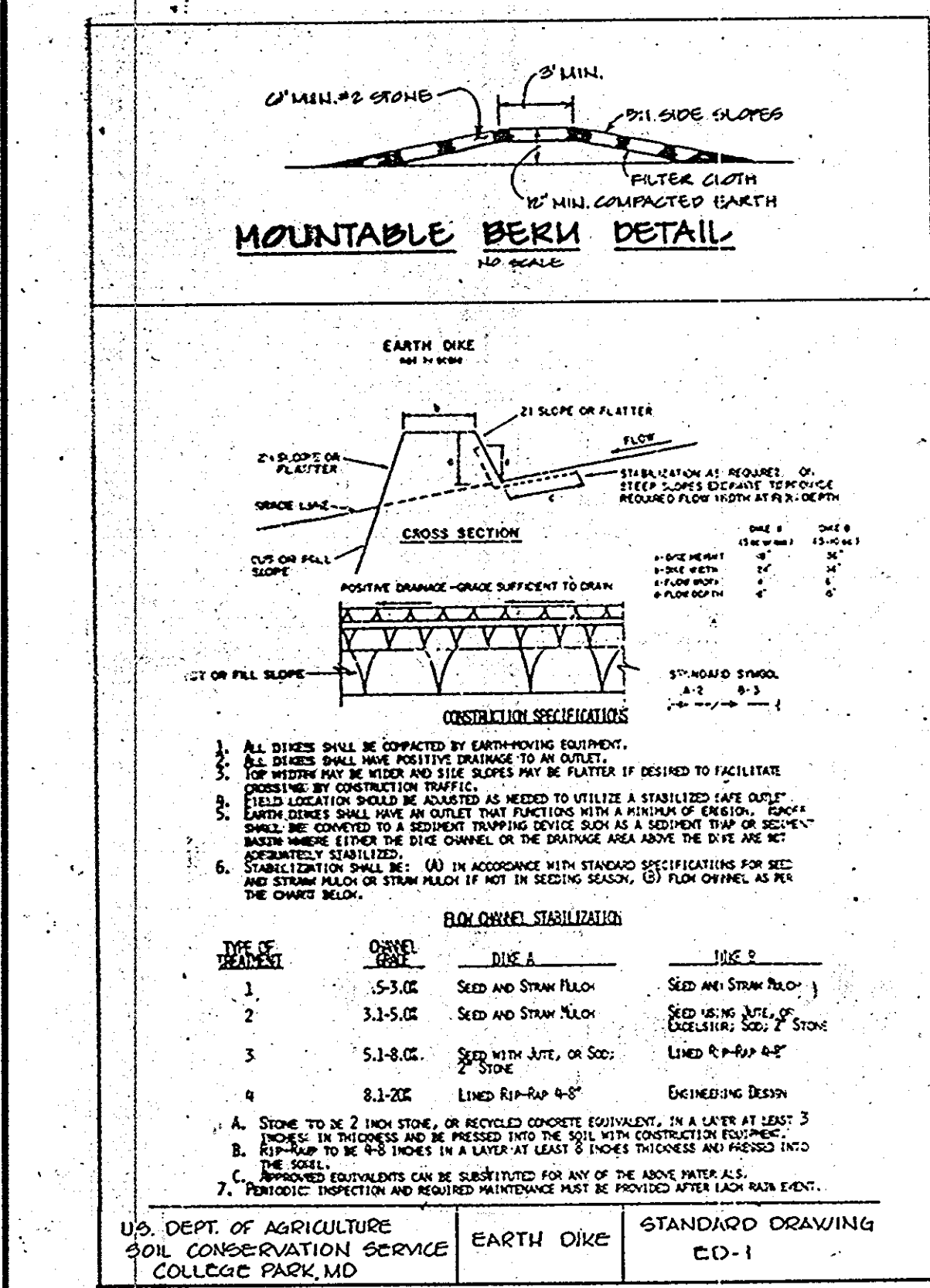
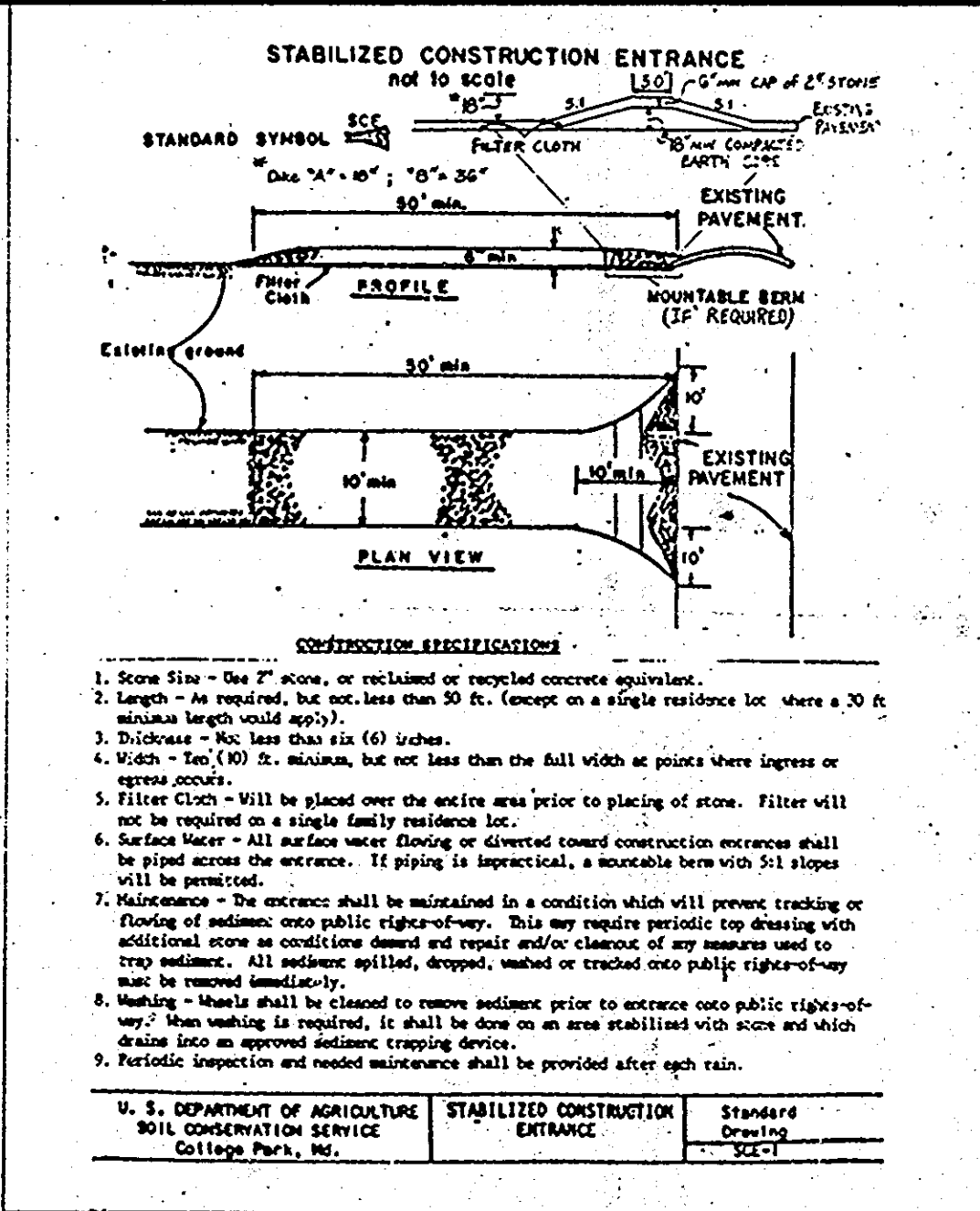
Seeding: For periods March 1 thru April 30 and from August 15 thru October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs per acre of seeping lowgrass (.07 lbs/1000 sq. ft.). For the period November 16 thru February 29, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted weed free small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq. ft.) of emulsified asphalt on flat areas. On slopes 8 ft. or higher, use 348 gal per acre (8 gal/1000 sq. ft.) for anchoring.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

SEDIMENT CONTROL NOTES

- A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within a 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) and (Sec. 54), temporary seedings (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 Site: 7.99 Acres
Area Disturbed: 0.75 Acres
Area to be roofed or paved: 0.42 Acres
Area to be vegetatively stabilized: 0.14 Acres
Total Cut: 500 Cu. yds.
Total Fill: 500 Cu. yds.
Offsite waste/borrow area location: NO
- 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 DPM sediment control inspector.
- 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 FIVE FEET DEPTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTEST.



THESE PLANS FOR S.W.M., CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF HOWARD SOIL CONSERVATION DISTRICT

John P. Ketchum / 6/5 3/11/94
APPROVED HOWARD SOIL CONSERVATION DISTRICT

PLAN NUMBER: _____ DATE: _____

REVIEWED FOR THE HOWARD CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Patricia Engler / 6/5 3/11/94
U.S. SOIL CONSERVATION SERVICE DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Bond / 6/5 3/11/94
COUNTY HEALTH OFFICER (CS) DATE

APPROVED HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

James R. Smith / 6/5 3/11/94
DIRECTOR DATE

Chris Summy / 6/5 3/11/94
CHIEF DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED FOR PRIVATE WATER, SEWER, STORM DRAIN SYSTEM, AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James G. Khan / 6/5 3/11/94
DIRECTOR DATE

Phillip D. Brown / 6/5 3/11/94
CHIEF BUREAU OF ENGINEERING DATE

GEORGE WILLIAM STEPHENS, JR. AND ASSOCIATES, INC.
CIVIL ENGINEERS & LAND SURVEYORS

658 KENILWORTH DRIVE, SUITE 100
TOWSON, MARYLAND 21204
(410) 825-8120

GWS

ENGINEER CERTIFICATION

"I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

Engineer: *John P. Ketchum* Date: 3/11/94
Name: *John P. Ketchum* PE #: 4732

OWNER/DEVELOPER

McDONALD'S CORPORATION

COLUMBIA CORPORATE PARK
8850 STANFORD BOULEVARD
SUITE 2000
COLUMBIA, MD 21045
(301) 290-0000

DEVELOPER CERTIFICATION

"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 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."

Developer: *John P. Ketchum* Date: 3/11/94
Name: *Jeff Bartko*

DESIGNED BY: VZ
DRAWN BY: MB
CHECKED BY: REVISIONS

ADDRESS CHART

BUILDING NO.: _____ STREET ADDRESS: _____

F: 702 LISBON CENTER DRIVE

SUBDIVISION NAME: ROUTE 94 BUSINESS CENTER SECT./AREA: _____ LOT/PARCEL: F

PLAT NO. OR LIF: 7170 BLOCK NO.: 24 ZONE: B-2 TAX MAP: 2 ELECT. DIST.: 4 CENSUS TRACT: 6040

WATER CODE: _____ SEWER CODE: _____

SEDIMENT + EROSION CONTROL DETAILS
FOR
BUILDING 'F'
LISBON CENTER
ROUTE 94 BUSINESS CENTER

HOWARD COUNTY, MARYLAND ELECTION DISTRICT # 4
TAX MAP NO. 2 PARCEL #:
SCALE: SHEET 4 OF 4
DATE: OCT 7 1993

SDP-94-22 PD 7284