

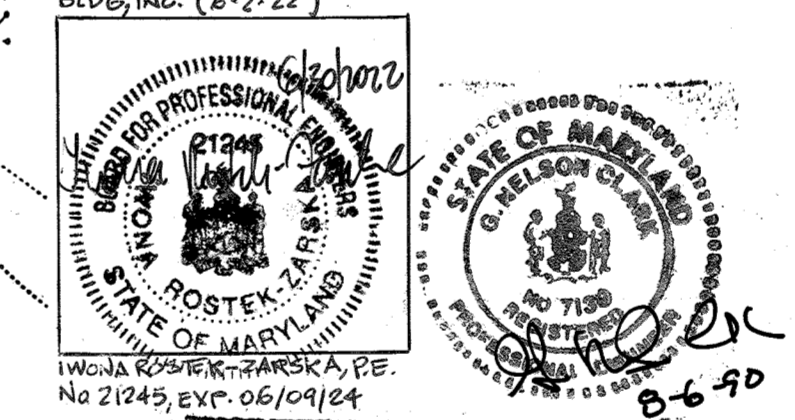
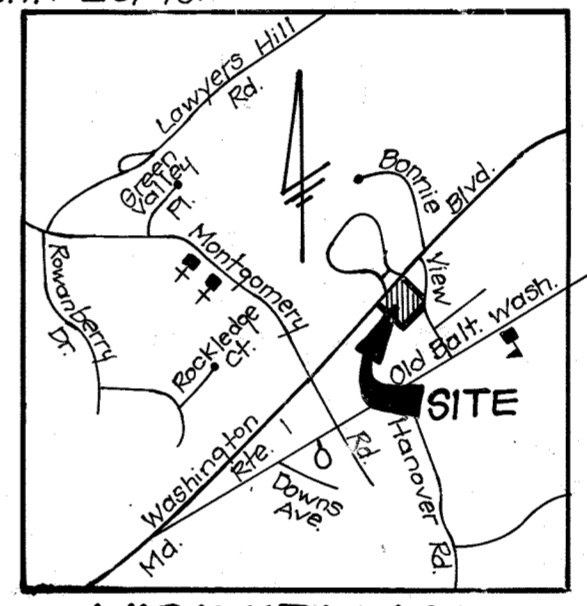
LEGEND:

- Contour Interval: 2' (170)
- Existing Contour: 170
- Proposed Contour: 175
- Spot Elevation: 175
- Direction of Drainage: (Symbol)
- Existing Trees to Remain: (Symbol)
- Reverse of Curb & Gutter: (Symbol)
- 6" x 12" Concrete Curb: (Symbol)
- SHA Type A Curb & Gutter: (Symbol)
- Mod. Combination Curb & Gutter: (Symbol)
- 6" High Solid Board Fence: (Symbol)
- Proposed Storm Drain: 15" CMP, 21" CMP
- Ex. 8" Water: (Symbol)
- Ex. 8" Sewer: (Symbol)
- Ex. Paving: (Symbol)
- Site Lighting: (Symbol)

SITE ANALYSIS

	B-2	R-12	TOTAL
1. ZONING	B-2	R-12	
2. TYPE OF UNIT PROPOSED	Fast Food Restaurant		
3. AREA OF PARCEL	1.26 Ac.	0.90 Ac.	2.16 Ac.
4. NUMBER OF EMPLOYEES	16/SHIFT		
5. NUMBER OF SEATS	80		
6. PARKING SPACES REQ'D	33 SPACES (1sp/5seats)		33 SP
7. PARKING SPACES PROV.	43 (incl. 2 Handicap)		43 SP
8. LOT COVERAGE (Structure)	50%	30%	
9. LOT COVERAGE (Structure)	3700 S.F. 6.7%	NONE	
10. GREEN SPACE PROVIDED	47Ac. or 37%	20Ac. or 100%	1.37 Ac. or 63%
11. PARKING ISLANDS REQUIRED (5%)	2744 sq. ft.		
12. PARKING ISLANDS PROVIDED	3400 sq. ft.		

Also see General Notes and Variance Petition notes on Sht. 2 of 10.



I hereby 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.

G. Nealon Clark 8-6-90 Date

ADDRESS CHART

Street No.	Street
6225	WASHINGTON BOULEVARD (U.S. RTE 1)

OWNER: William C. Link, 6225 Old Washington Rd, Westminster, MD 21157

Project Title: PROPOSED McDONALD'S RESTAURANT

Parcel: 127

Plot No.: L 924 F 223

Block No.: 2 & 3

Zone: B-2, R-12

Tax Map No.: 38

Elec. Dist.: 18T

Corpus Tr.: 601E

Water Code: D-09

Sewer Code: 2022431

CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH.

DESIGNED: MJP

DRAWN: BAL/PER

CHECKED: WHT

DATE: JULY 1990

SITE DEVELOPMENT PLAN FOR PROPOSED McDONALD'S RESTAURANT

TAX MAP No. 38 PARCEL 127 1ST ELECTION DISTRICT HOWARD COUNTY MARYLAND

SCALE: 1" = 20'

DRAWING: 1 OF 9

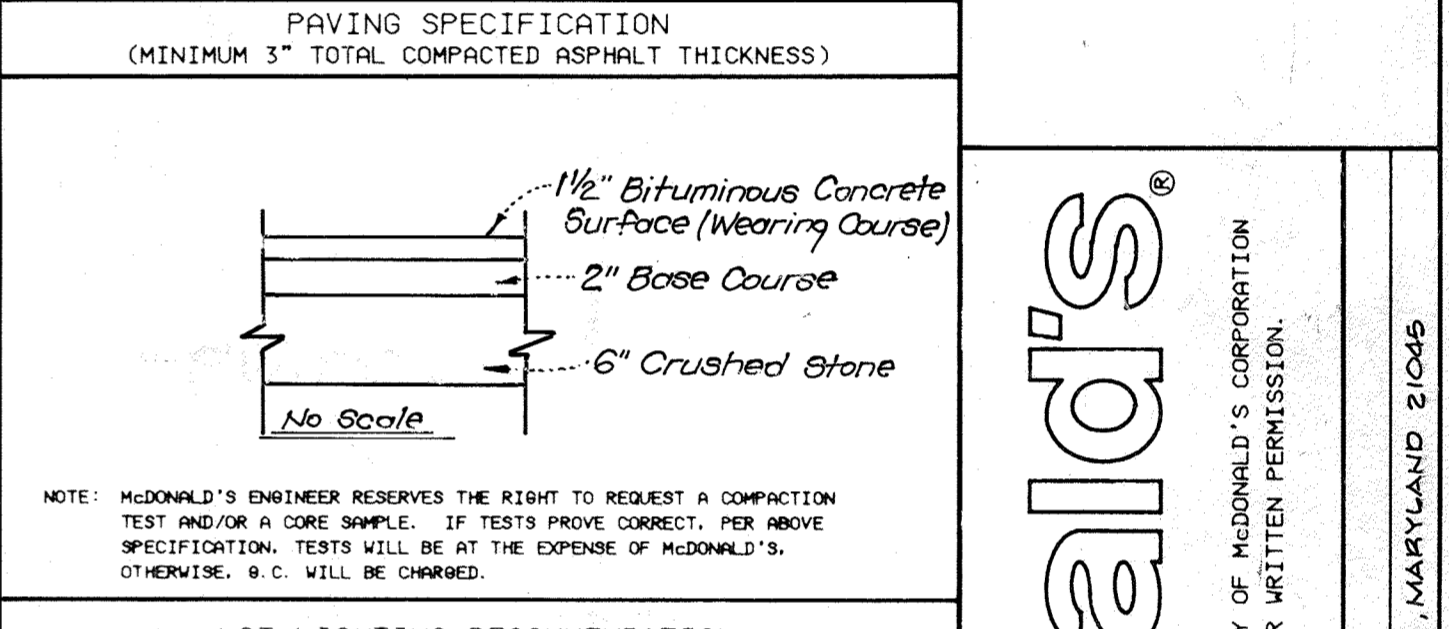
JOB NO.: 90-077

FILE NO.: 90-077X

FOR: McDONALD'S CORPORATION (Applicant)
COLUMBIA CORPORATE PARK
8850 Stanford Boulevard
Columbia, Maryland 21045

GENERAL NOTES

- MCDONALD'S ROAD SIGN AND BASE ARE BY THE SIGN CONTRACTOR. CONDUIT AND WIRING ARE BY THE GENERAL CONTRACTOR.
- BASES, ANCHOR BOLTS, CONDUIT, AND WIRING FOR ALL OTHER SIGNS ARE BY THE GENERAL CONTRACTOR.
- 3/4" EMPTY CONDUIT TO LOCATIONS SHOWN AT THE LOT PERIMETER FOR LOT LIGHTING IS BY THE GENERAL CONTRACTOR. LIGHTING FIXTURES, BASES, POLES, CONDUIT, AND WIRING ARE BY THE OWNER/OPERATOR.
- BASES FOR FLAGPOLES ARE BY THE GENERAL CONTRACTOR. ANCHOR BOLTS ARE BY THE FLAGPOLE SUPPLIER.
- PROPOSED UTILITIES ARE SHOWN IN SCHEMATIC ONLY. EXACT LOCATIONS SHALL BE DETERMINED TO ALLOW FOR THE MOST ECONOMICAL INSTALLATION.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES TO DETERMINE EXACT POINT OF SERVICE CONNECTION AT EXISTING UTILITY. REFER TO THE BUILDING ELECTRICAL AND PLUMBING DRAWINGS FOR UTILITY SERVICE ENTRANCE LOCATIONS, SIZES, AND CIRCUITING.
- ALL ELEVATIONS SHOWN ARE IN REFERENCE TO THE BENCHMARK AND MUST BE VERIFIED BY THE GENERAL CONTRACTOR AT GROUND BREAK.
- FINISH WALK AND CURB ELEVATIONS SHALL BE 6" ABOVE FINISH PAVEMENT.
- ALL LANDSCAPE AREAS SHALL BE ROUGH GRADED TO 6" BELOW TOP OF ALL WALKS AND CURBS. FINISH GRADING, LANDSCAPING, AND SPRINKLER SYSTEMS ARE BY THE OWNER/OPERATOR.
- LOT LIGHTING CONCRETE FOOTINGS TO CONFORM WITH THE SOILS REPORT RECOMMENDATIONS FOR THIS PARTICULAR SITE.
- All fill to be a minimum 95% Compaction.



LOT LIGHTING RECOMMENDATION

1000 w. Metal Halide on 20' Pole by: Beacon Illumination

NOTE: ELECTRICAL CONTRACTOR TO CIRCUIT LOT LIGHTING AS NOTED.

PARKING INFORMATION

TOTAL SPACES	26 SPACES	9' x 20.1' @ 60"
	3 SPACES	9' x 19' @ 45"
	6 SPACES	5' x 20.1' @ 20"
HANDICAP	2 SPACES	8' x 22.1' @ 60"

UTILITY INFORMATION

	SIZE	TYPE	LOCATION
SANITARY SEWER	6" S4C	-	See Sheet No. 5
WATER	2" WHC	-	See Sheet No. 5
STORM SEWER	-	-	See Pipe Schedule - Sheet No. 3
ELECTRIC	-	-	-
GAS	-	-	-

SURVEY INFORMATION

PREPARED BY: COLBERT ENGINEERING
115 SUDBROOK LA.
BALTIMORE, MARYLAND 21208

DATE: AUGUST 9, 1989

LEGEND

SANITARY SEWER	S	GAS	G
WATER	W	LOT LIGHT	LP: 30
STORM SEWER	ST	EXISTING ELEVATION	(76.5)
ELECTRIC	E	PROPOSED ELEVATION	(77.0)

PLAN SCALE: 1" = 20'

STREET ADDRESS: 6225 WASHINGTON BOULEVARD

PLANNING APPROVALS

APPROVED FOR	DATE	BY
HOWARD COUNTY DEPT. OF PLANNING & ZONING	6/28/91	[Signature]
HOWARD COUNTY DEPT. OF PUBLIC WORKS	6/27/91	[Signature]
U.S. Soil Conservation Service	6/19/91	[Signature]

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. 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 or their authorized agents, as are deemed necessary.

John R. Rhutson 6/19/91 Date

CLARK • FINEFROCK & SACKETT, INC. 8-10-90 Date

DESIGNED: MJP

DRAWN: BAL/PER

CHECKED: WHT

DATE: JULY 1990

SCALE: 1" = 20'

DRAWING: 1 OF 9

JOB NO.: 90-077

FILE NO.: 90-077X

FOR: McDONALD'S CORPORATION (Applicant)
COLUMBIA CORPORATE PARK
8850 Stanford Boulevard
Columbia, Maryland 21045

CITY: ELKBRIDGE

STATE: MARYLAND 21227

COUNTY: HOWARD

REGIONAL DWG. NO.: 019-326

CORPORATE DWG. NO.: SP-1

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

[Signature] 6-28-91 DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 6/28/91 DATE

[Signature] 6/28/91 DATE

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

[Signature] 6/27/91 DATE

[Signature] 6/27/91 DATE

U.S. Soil Conservation Service

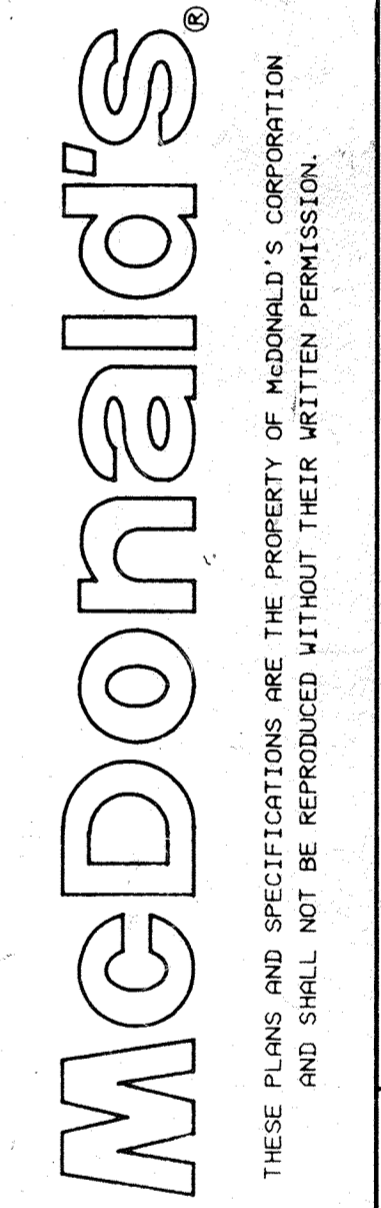
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

[Signature] 6/19/91 Date

DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. 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 or their authorized agents, as are deemed necessary.

[Signature] 8-10-90 Date



PLANNING APPROVALS

APPROVED FOR	DATE	BY
HOWARD COUNTY DEPT. OF PLANNING & ZONING	6/28/91	[Signature]
HOWARD COUNTY DEPT. OF PUBLIC WORKS	6/27/91	[Signature]
U.S. Soil Conservation Service	6/19/91	[Signature]

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[Signature] 8-10-90 Date

CLARK • FINEFROCK & SACKETT, INC. 8-10-90 Date

DESIGNED: MJP

DRAWN: BAL/PER

CHECKED: WHT

DATE: JULY 1990

SCALE: 1" = 20'

DRAWING: 1 OF 9

JOB NO.: 90-077

FILE NO.: 90-077X

FOR: McDONALD'S CORPORATION (Applicant)
COLUMBIA CORPORATE PARK
8850 Stanford Boulevard
Columbia, Maryland 21045

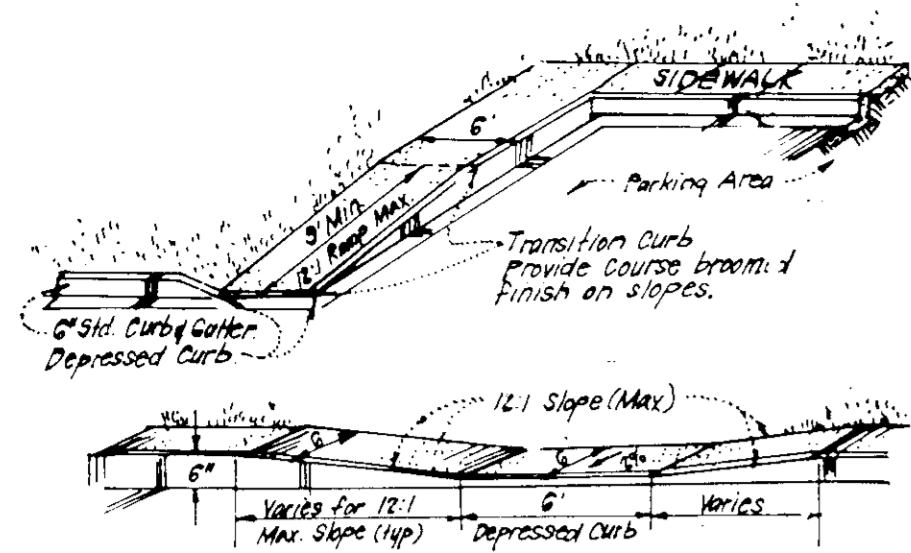
CITY: ELKBRIDGE

STATE: MARYLAND 21227

COUNTY: HOWARD

REGIONAL DWG. NO.: 019-326

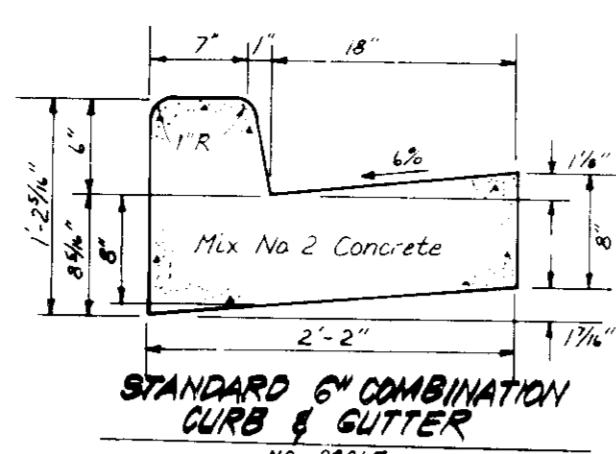
CORPORATE DWG. NO.: SP-1



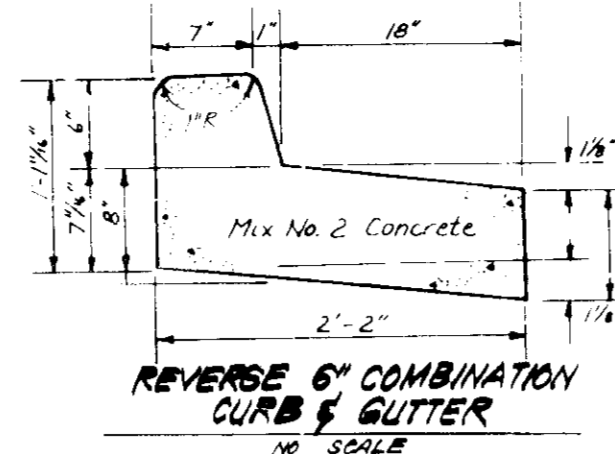
HANDICAP RAMP DETAILS
NO SCALE

NOTE:
1. Sign shall meet design standards of Federal Hwy Administration
2. One required per parking space placed as shown (8 spaced)

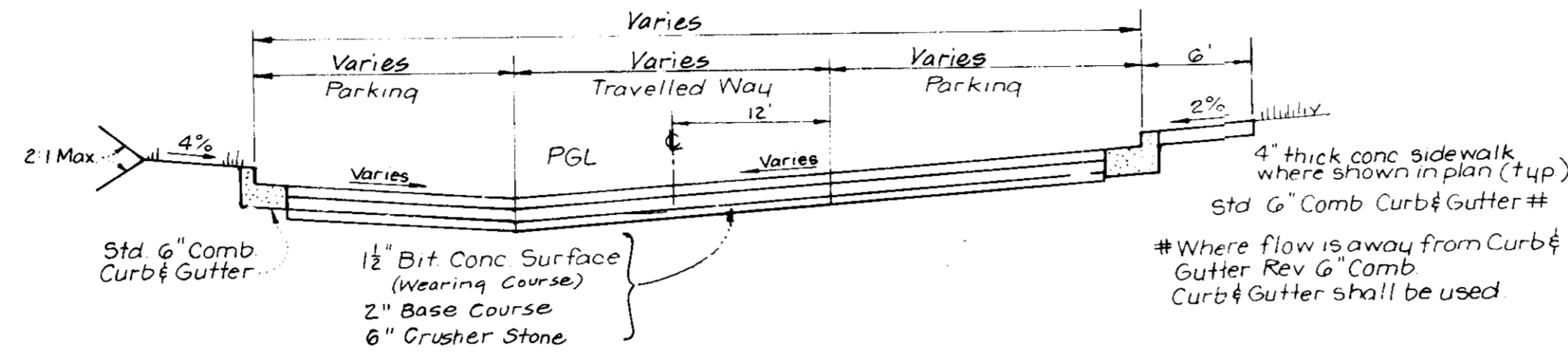
HANDICAP PARKING SIGN DETAIL
NO SCALE



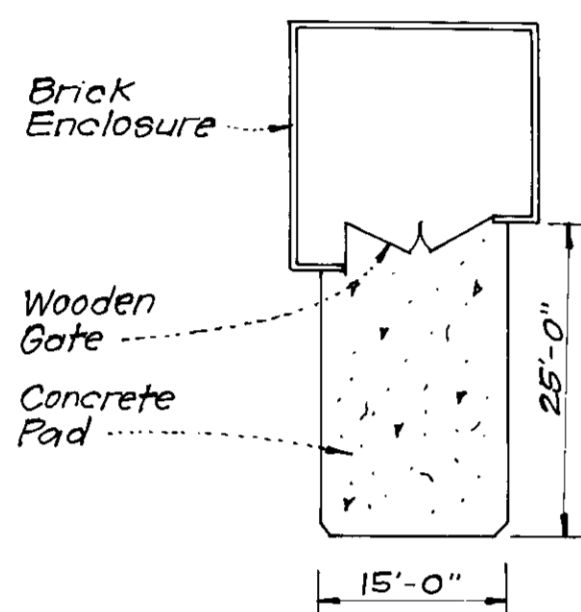
STANDARD 6" COMBINATION CURB & GUTTER
NO SCALE



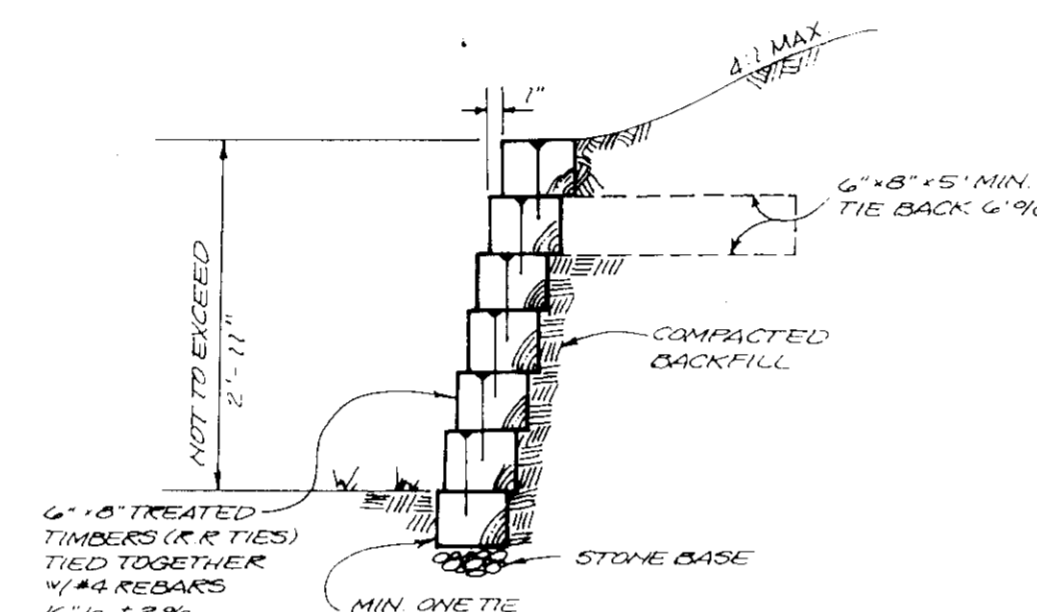
REVERSE 6" COMBINATION CURB & GUTTER
NO SCALE



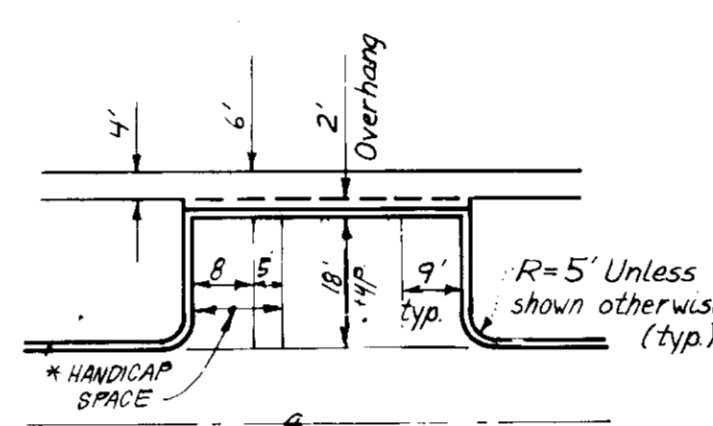
TYPICAL SECTION PRIVATE DRIVE & PARKING
NO SCALE



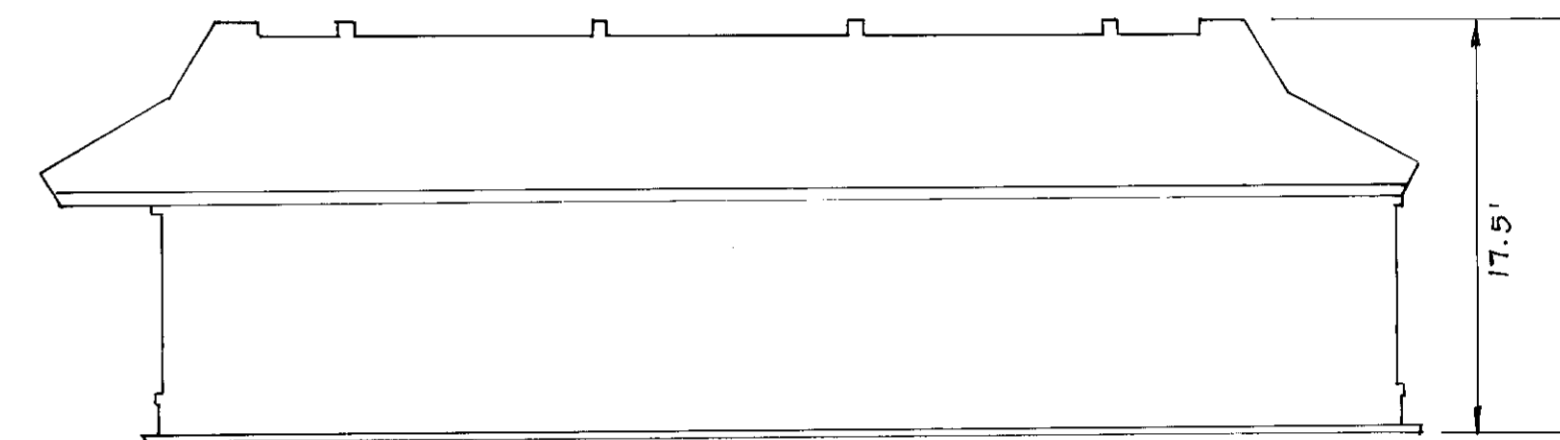
TRASH ENCLOSURE CONCRETE PAD
No Scale



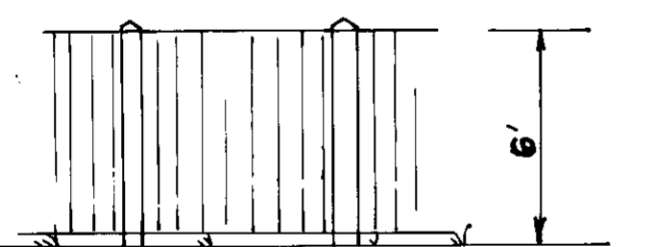
TYPICAL RETAINING WALL
NO SCALE



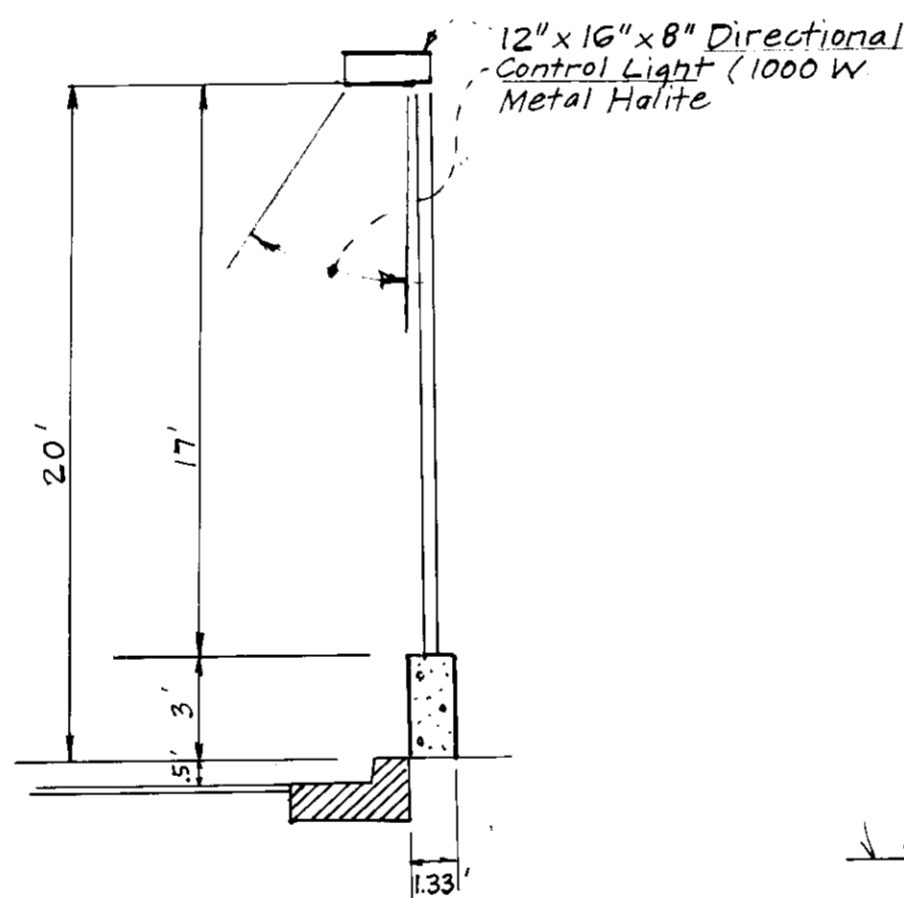
TYPICAL 30° PARKING
NO SCALE



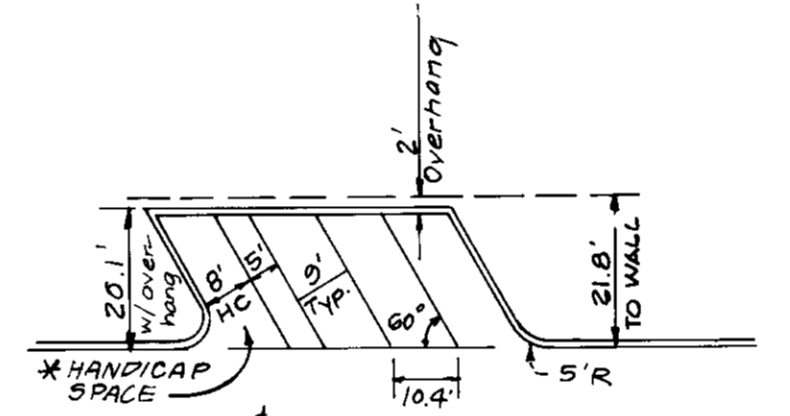
TYPICAL BUILDING ELEVATION
NO SCALE



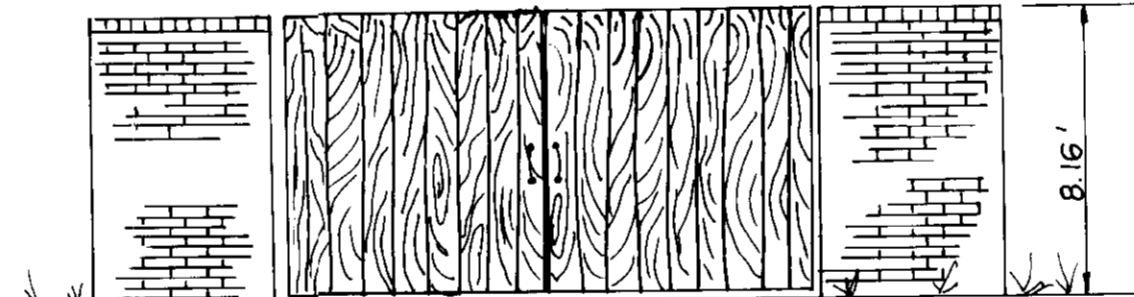
SOLID BOARD FENCE DETAIL
NO SCALE



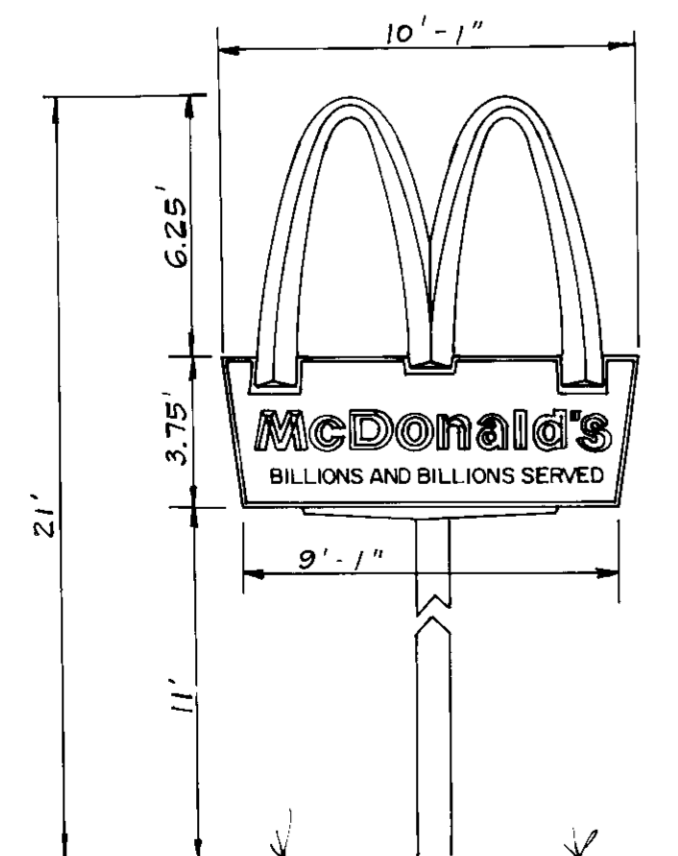
LIGHTING FIXTURE DETAIL
NO SCALE



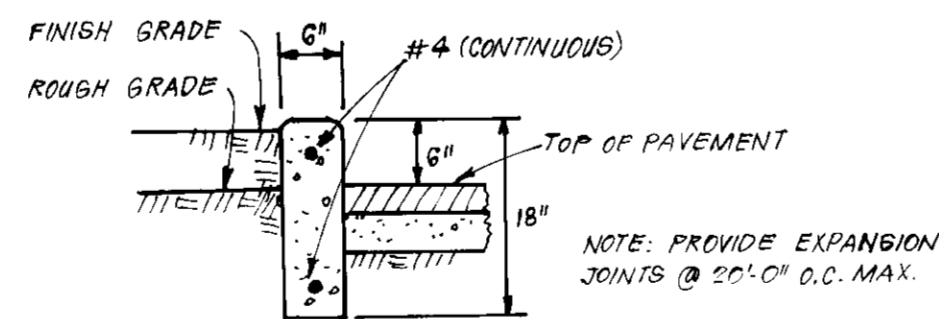
TYPICAL 60° PARKING
NO SCALE



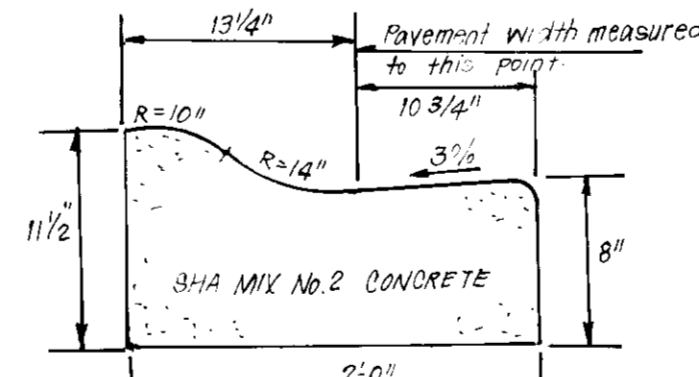
BRICK TRASH ENCLOSURE WITH WOOD GATE DETAIL
NO SCALE



SIGN DETAIL
NO SCALE



6" x 18" CONCRETE CURB
NO SCALE
(608 CY CONC. PER L.F. + ROAD)



MODIFIED COMBINATION CURB AND GUTTER
NO SCALE

GENERAL NOTES:

- All materials and construction to be in accordance with Howard County Road Construction Codes and Specifications.
- Coordinates are based on the Maryland State Grid System as projected by Howard County Geodetic Control Stations #2647005 & #2647006.
- All driveways are privately owned and maintained.
- Installation of traffic control devices shall be in accordance with the latest edition of the "Manual of Uniform Traffic Control."
- Topography was compiled from actual field survey.
- The area shown is located on Tax Map No. 38 Parcel 127.
- Information concerning underground utilities was obtained from available records, the contractor must determine the exact location by digging test pits, by hand, at all crossings well in advance of construction.
- The contractor or developer shall contact the Construction Inspection Division 24 hours in advance of work at 902-2417 or 782-7272.
- The developer agrees to work with the Dept. of Licenses and Inspections to resolve any problem with roof water discharge.
- Handicap parking details shall be in accordance with the "Maryland Building Code for the Handicapped," Section 5.01-7.05.
- Dead reference: 924 / 223.
- Notify all utility companies 24 hrs. in advance of construction.
- Public water and sewer to be utilized.
- Existing wetlands were field located as shown, July 1989 by Bio Habitats, P.O. Box 935, Brooklandsville, Md 21022. (301) 337-3659.
- All exterior lighting will be directed/reflected away from residentially zoned portion of this parcel.
- Commercial use, including storage, is not permitted on the residentially zoned portion of this parcel.
- Waiver Petitions and Variances:
 - BA 90-53 V Approving the reduction of the 30' rear setback to 0.7 and 30' side setback to 5' Denied April 16, 1991.
 - WP 91-34 Waiving Section 16.116.C.6 Denied Dec. 11, 1991, REQUEST TO DISTURB W.I.L. BUFFER.
 - WP 90-75 Waiving sign, setback and height was denied.

VARIANCE PETITION INFORMATION BA Case No. 90-53 V

- This plan is subject to approval of a variance petition for the provision of parking, trash enclosure and lighting within the 30' use setback from adjacent R-12 districts.
- Petitioner: McDonald's Corporation
Columbia Corporate Park
9850 Stanford Boulevard
Columbia, Maryland 21045
Phone: (301) 992-0589
- Owner: William C. Link
2625 Old Washington Road
Westminster, Maryland 21157
- Attorney: Wilkenson, Guida and Eagan, P.A.
c/o Francis B. Hunter, Jr.
10320 Little Patuxent Pkwy Suite 700
Columbia, Maryland 21044
Phone: (301) 992-4545
- Subject Property is located on Washington Boulevard (US 1) approximately 1,000 Ft. east Montgomery Road. (see vicinity map).
- The local community is Elkridge Heights.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-28-91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
DIRECTOR: *[Signature]* DATE: 6/28/91

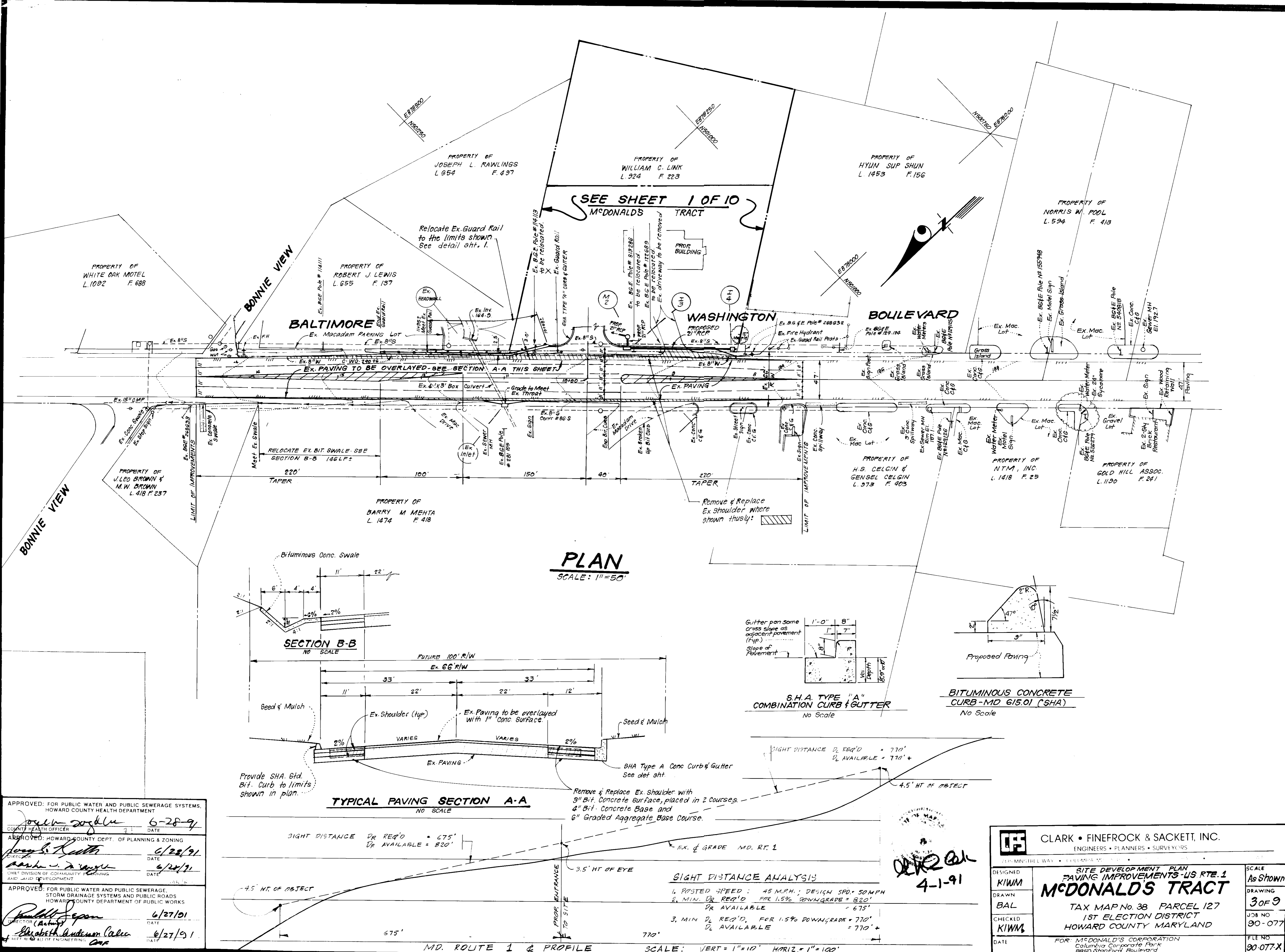
CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
DATE: 6/28/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE,
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR (Acting): *[Signature]* DATE: 6/27/91

CHIEF BUREAU OF ENGINEERING: *[Signature]* DATE: 6/27/91

CLARK • FINEFROCK & SACKETT, INC. ENGINEERS • PLANNERS • SURVEYORS 7135 MONTGOMERY WAY • COLUMBIA, MD 21045 • (410) 381-7500 BALTO • (301) 621-8100 WASH		
DESIGNED	M.P.	SCALE AS SHOWN
DRAWN	VLM	DRAWING 2 OF 9
CHECKED	M.P.	JOB NO 90-077
DATE	7-20-90	FILE NO 90-077-X
SITE DEVELOPMENT PLAN - DETAILS FOR PROPOSED Mc DONALD'S RESTAURANT TAX MAP No. 38 PARCEL 127 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND FOR: MCDONALD'S CORPORATION Columbia Corporate Park 9850 Stanford Boulevard Columbia, Maryland 21045		

Revisions: _____
 By: _____
 Items: _____
 Details Revised/Issued per Co. Comments: _____
 No. _____
 Date: 5-22-91
 Issue Date: _____
 Drawn: _____
 Checked: _____
 Building Type: _____
 McDonald's Corporation
 McDonald's Plaza
 Oak Brook, Illinois 60521
McDonald's
 MCD 10160
 SP-2
 ADP-91-83



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

Joseph A. Smith 6/28/91
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

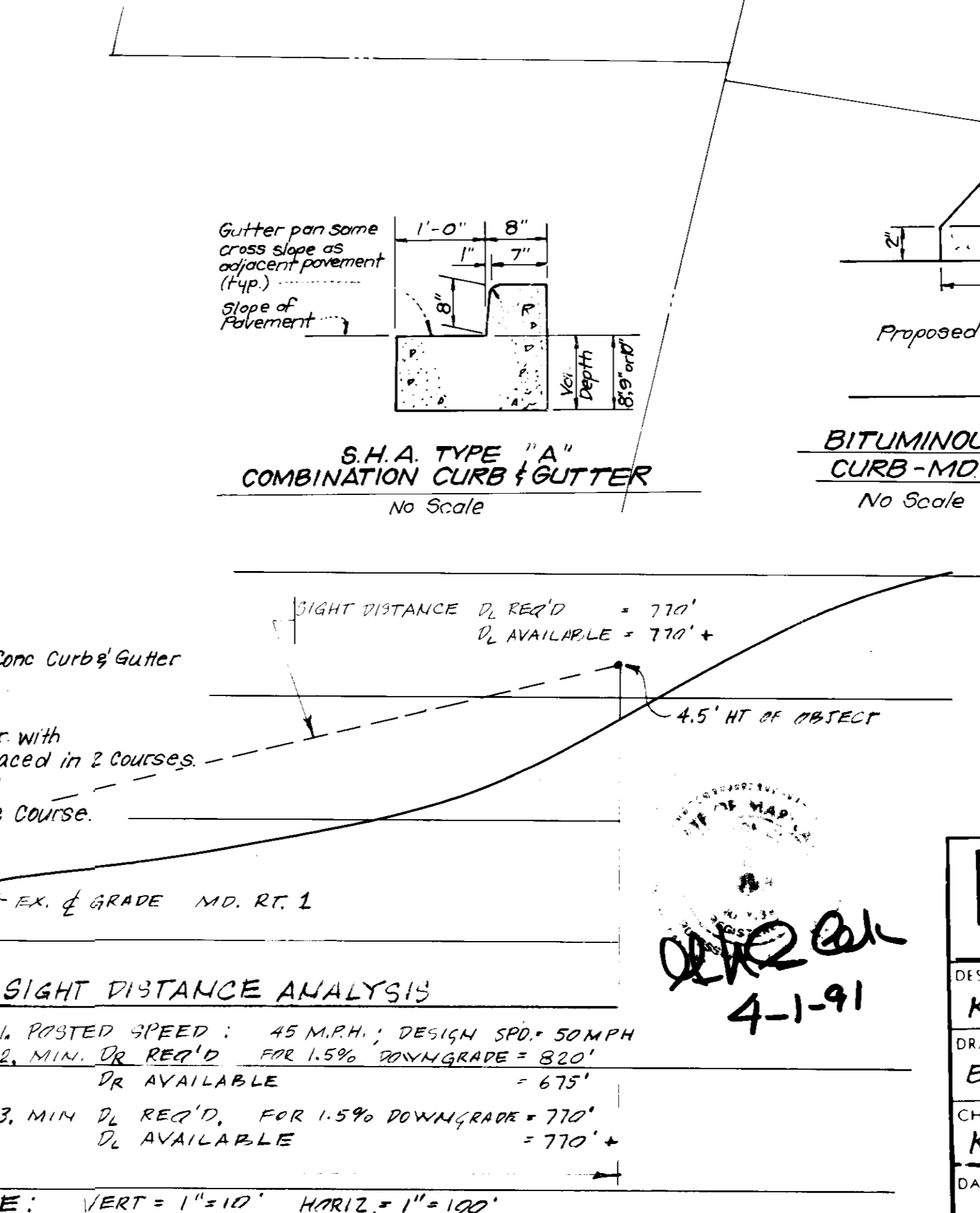
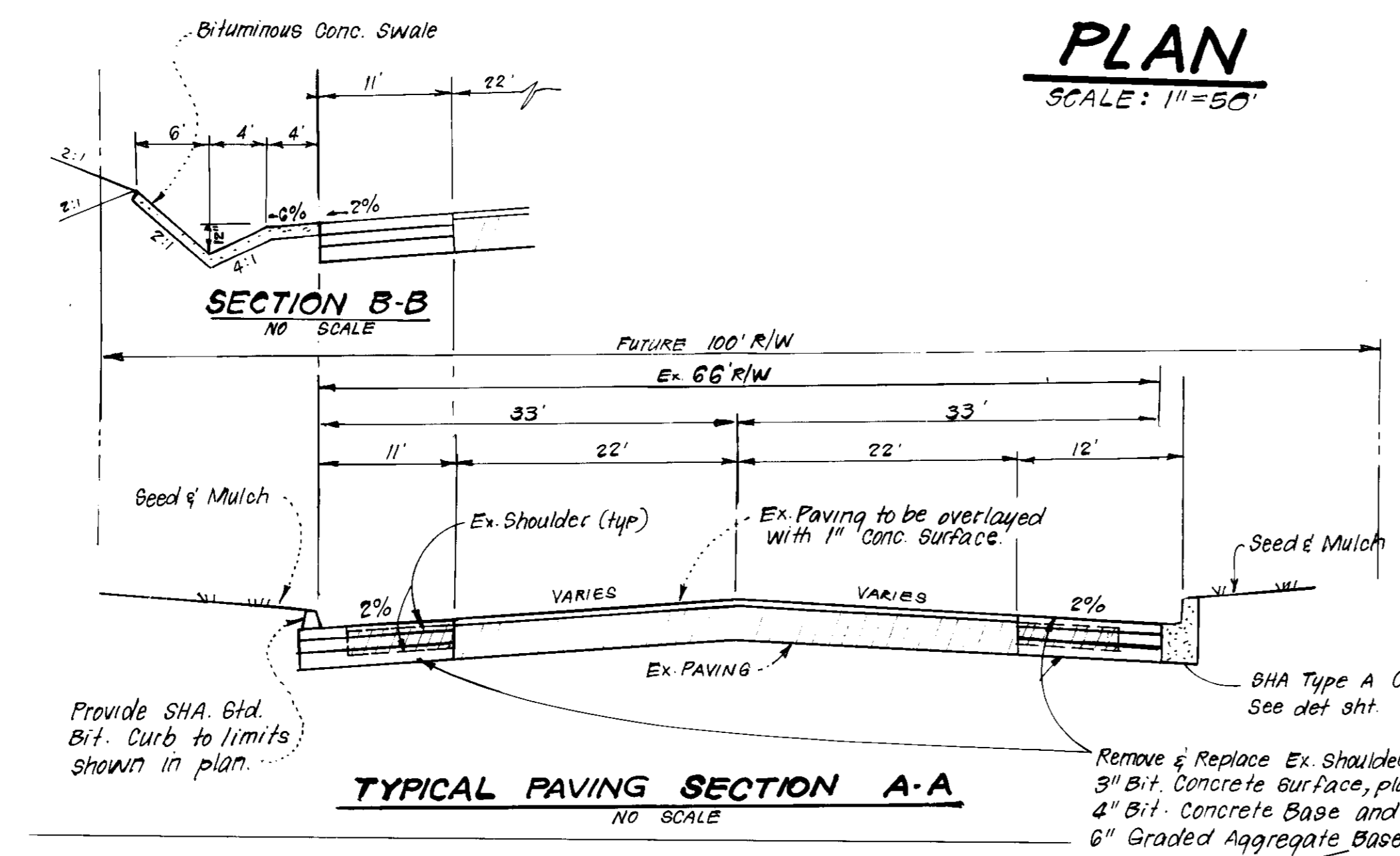
Joseph A. Smith 6/28/91
DIRECTOR DATE

CHIEF DIVISION OF COMMUNITY PLANNING
AND LAND DEVELOPMENT

Robert J. Span 6/27/91
DIRECTOR DATE

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

Elizabeth Anderson-Cole 6/27/91
CHIEF OF ENGINEERS DATE



CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

210 MANSFIELD WAY • COLUMBIA, MD 21046

DESIGNED: **KIWM**
DRAWN: **BAL**
CHECKED: **KIWM**
DATE:

**SITE DEVELOPMENT PLAN
PAVING IMPROVEMENTS - US RTE. 1
MCDONALD'S TRACT**

TAX MAP No. 38 PARCEL 127
1ST ELECTION DISTRICT
HOWARD COUNTY MARYLAND

FOR: MCDONALD'S CORPORATION
Columbia Corporate Park
8850 Stonford Boulevard
Columbia, Maryland 21045

SCALE: As Shown
DRAWING: 3 OF 9
JOB NO: 90-077
FILE NO: 90-077-X

McDonald's

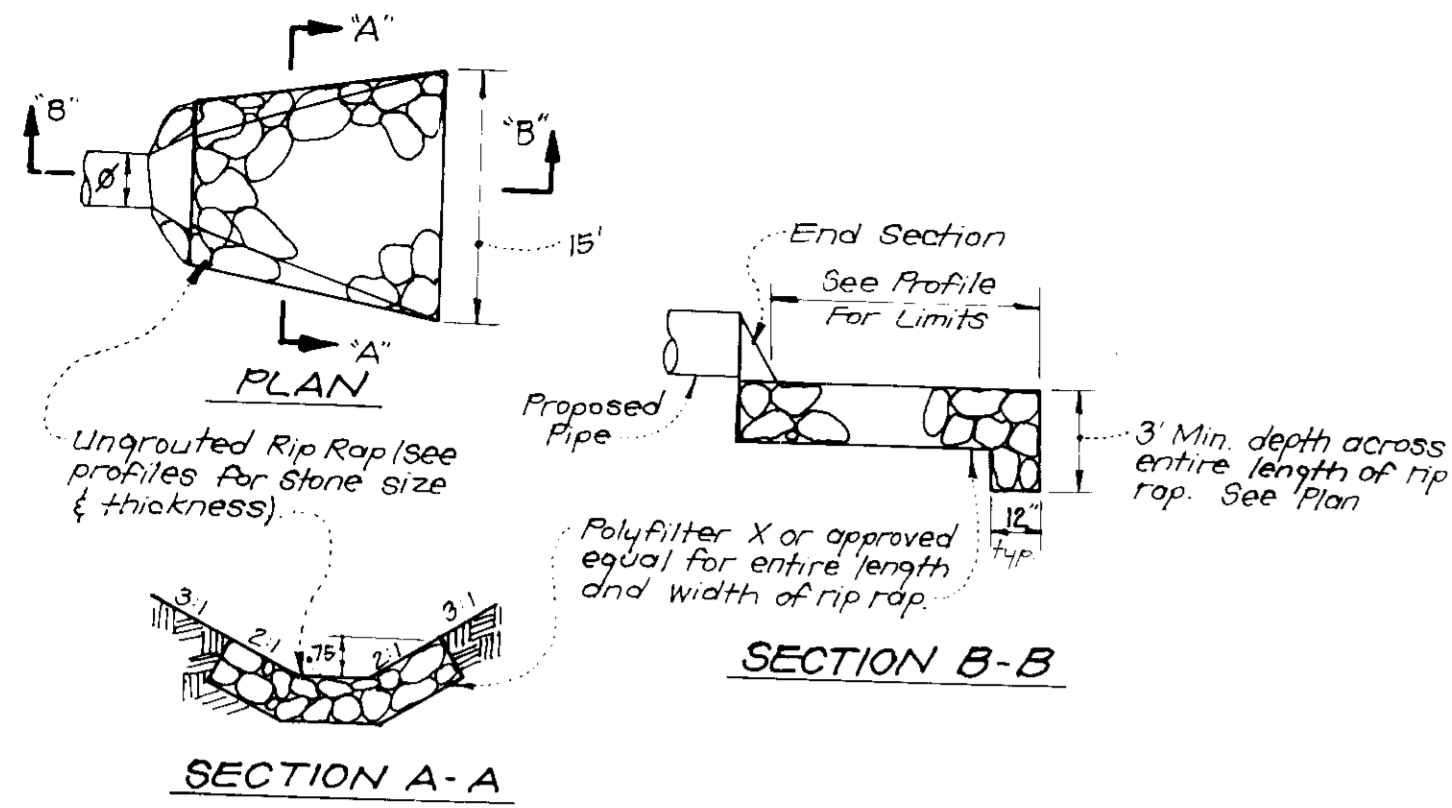
McDonald's Corporation
McDonald's Plaza
Oak Brook, Illinois 60521

Revisions:
No. 1 Date 9-22-91 By This plan was added to original sum per comments KIWM
2 Date 5-21-91 Revised per SHA Comments KIWM

McDonald's Corporation
McDonald's Plaza
Oak Brook, Illinois 60521

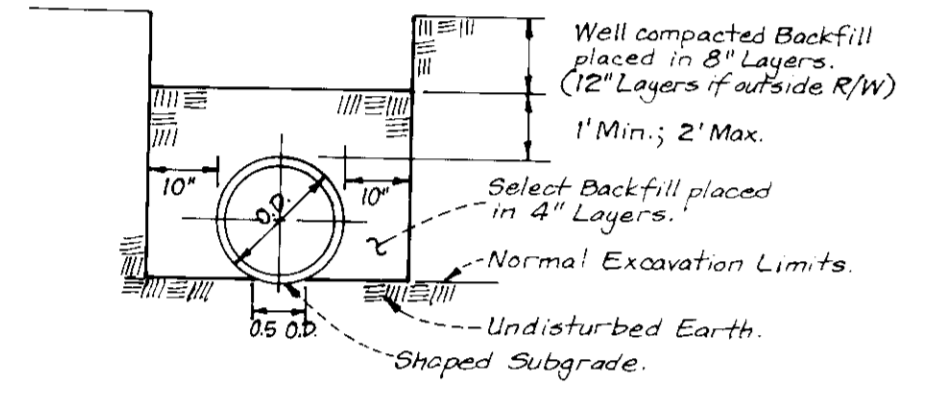
SP-3

3DP 9133

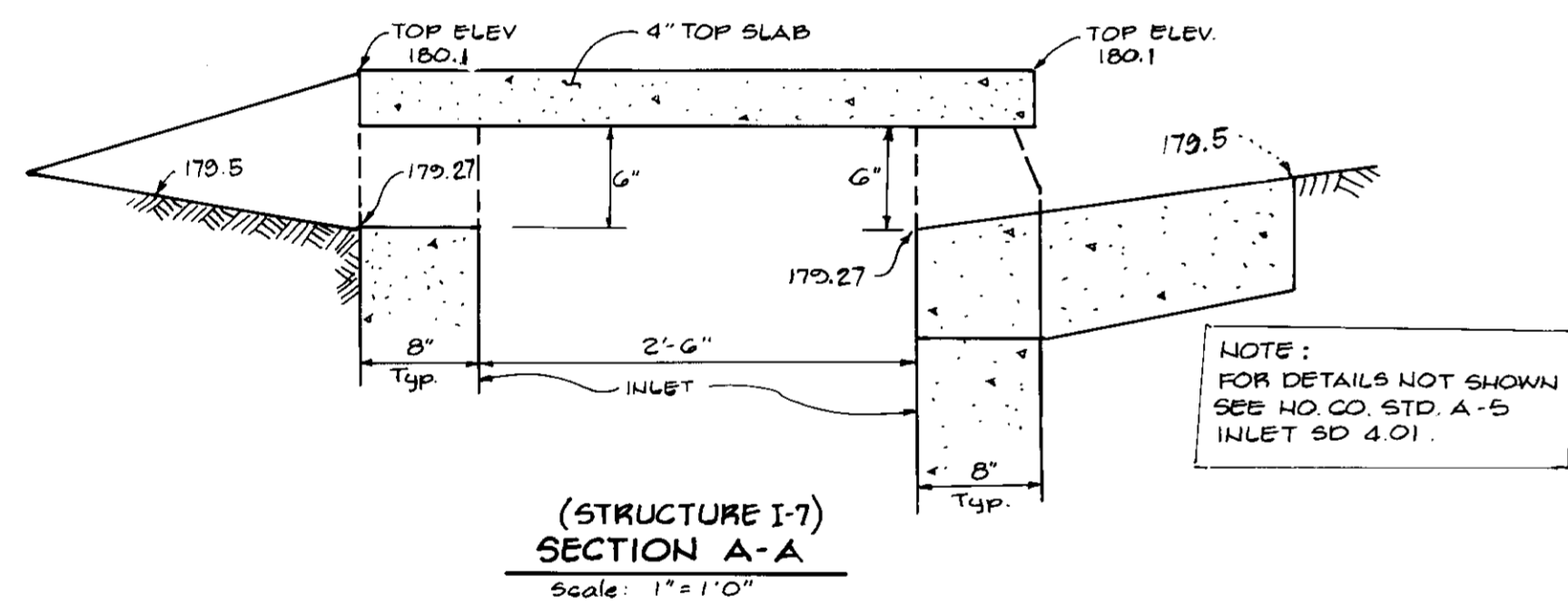


UNGRAOUTED RIP RAP PAVING DETAILS @ S-12
No Scale

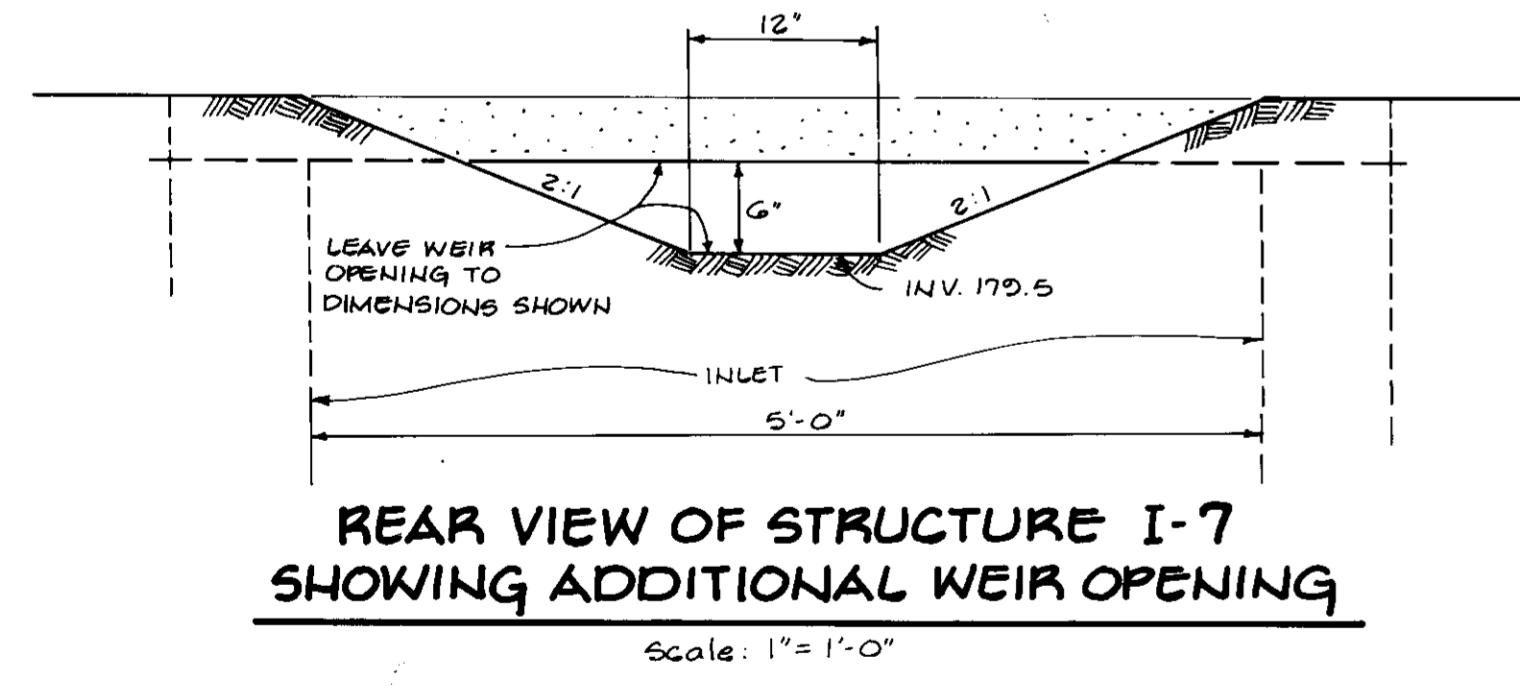
- For O.D. of pipe see manufacturer's specs. or field measure circumference of pipe and divide by 3.14
- Within Road R/W trench compaction density shall be 95% as determined A.A.S.H.T.O. T-180-A.
- For conditions requiring solid sheeting or trench shields, 'A' shall not exceed 30°.



TRENCH COMPACTION DETAIL
NO SCALE

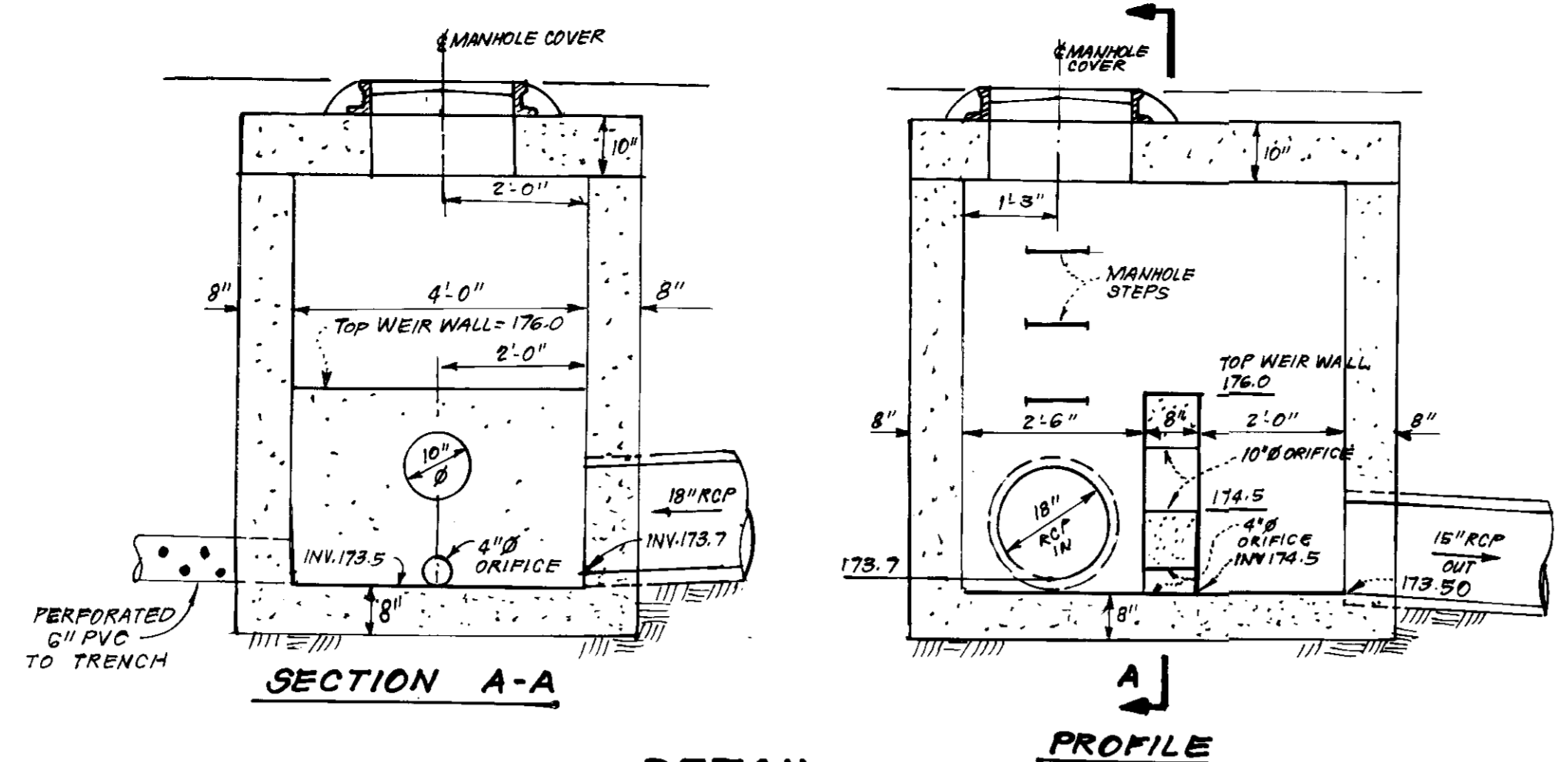


(STRUCTURE I-7) SECTION A-A
Scale: 1" = 1'-0"



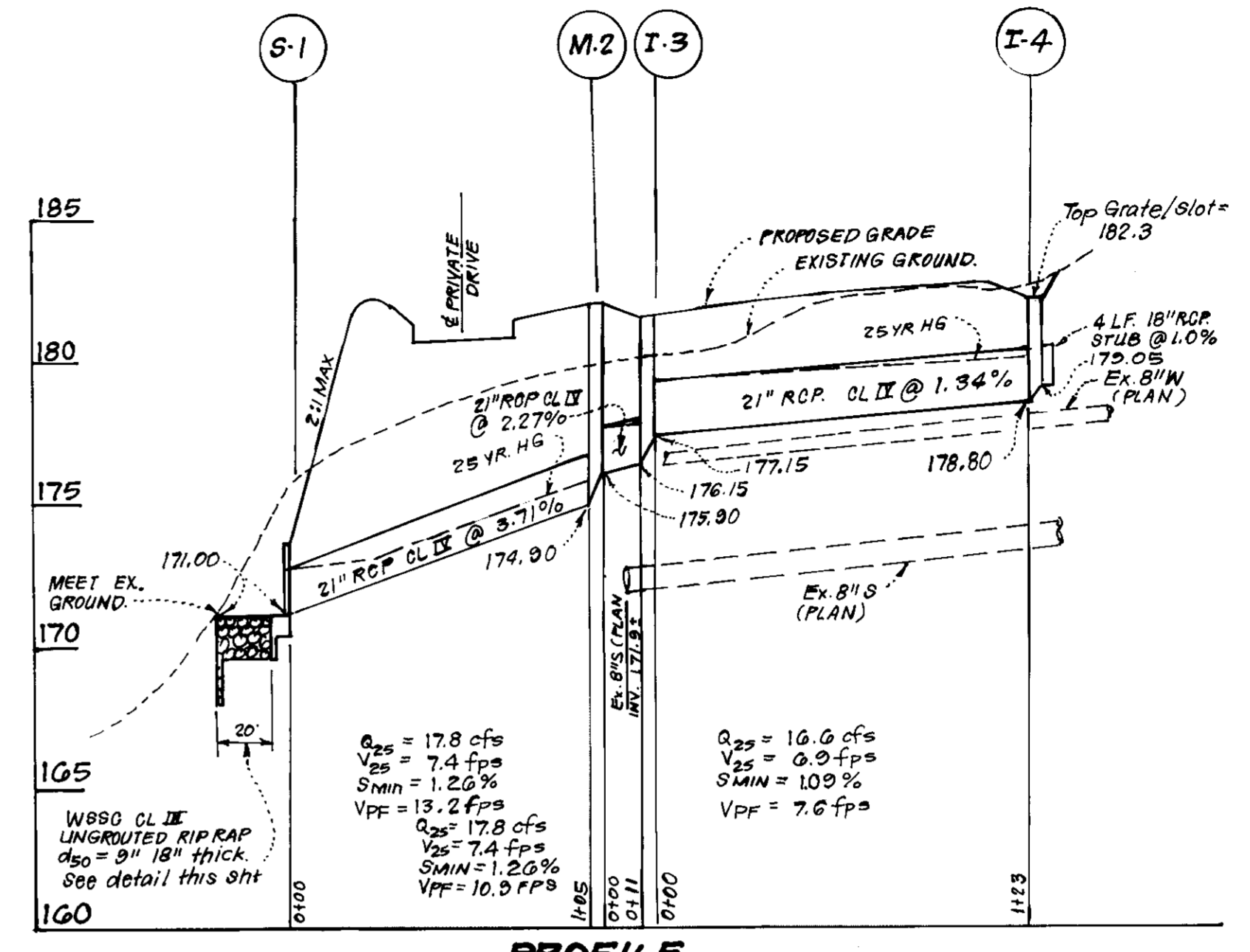
REAR VIEW OF STRUCTURE I-7 SHOWING ADDITIONAL WEIR OPENING
Scale: 1" = 1'-0"

NOTE: FOR DETAILS NOT SHOWN SEE HO. CO. STD. G-5.05 SHALLOW BRICK MANHOLE.

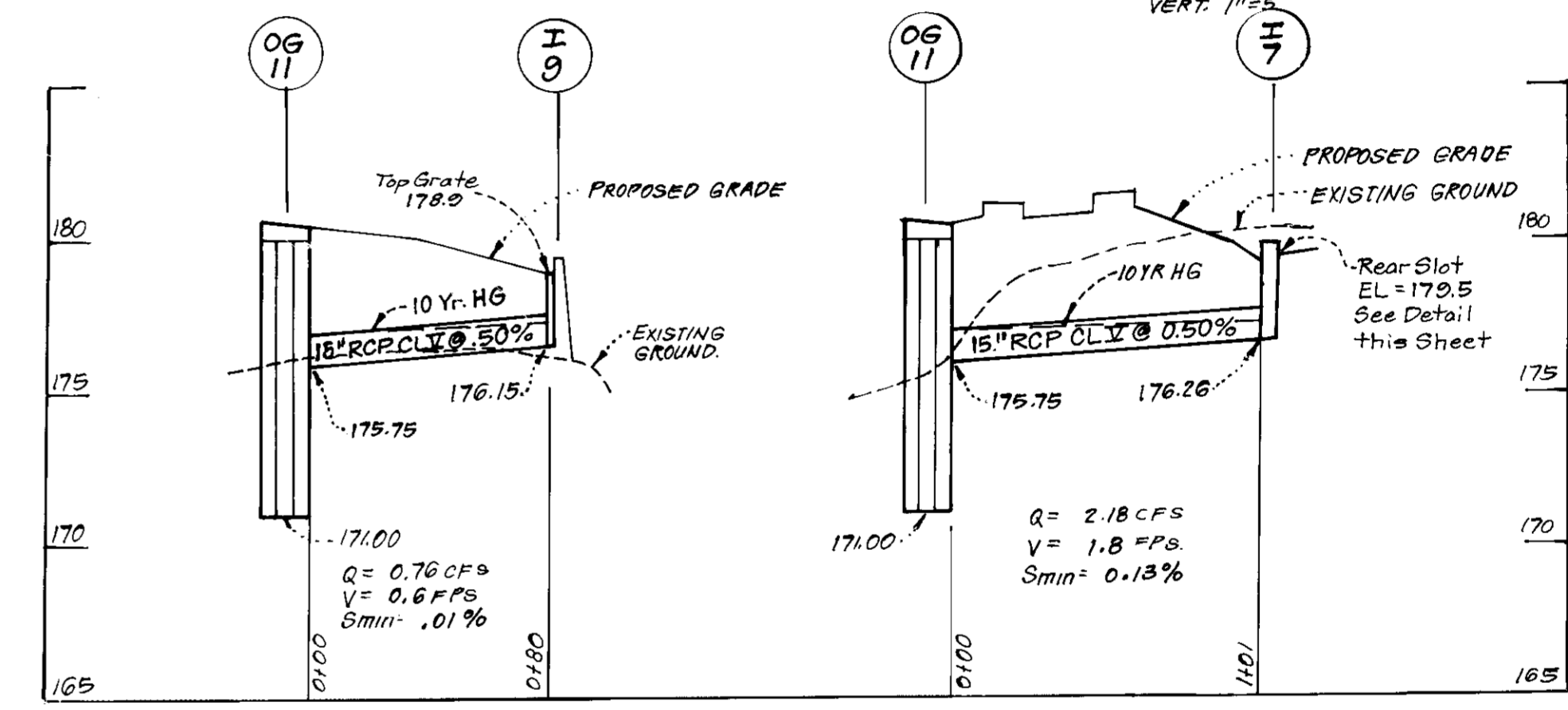


DETAIL MODIFIED MANHOLE AT STRUCTURE M-8
NO SCALE

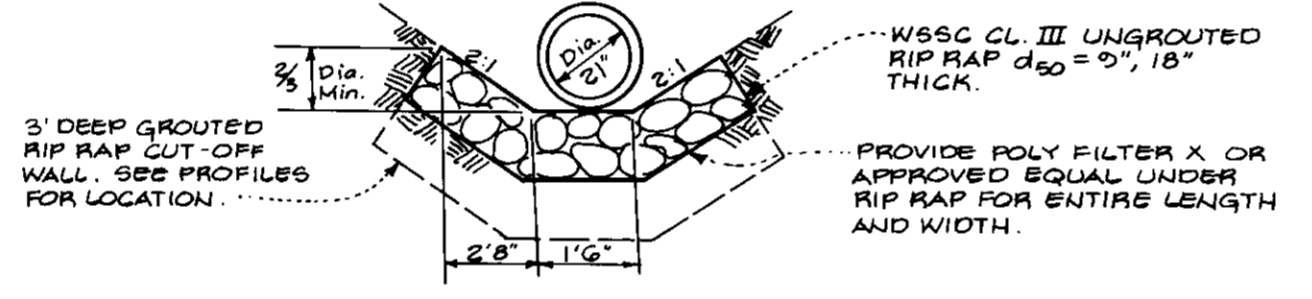
NOTE: EXTREME CARE TO BE TAKEN WHEN GRADING IN AREA OF EX. B'IS & EX. B'W. TEST PITS MUST BE DUG, BY HAND, AT ALL CROSSINGS, WELL IN ADVANCE OF CONSTRUCTION.



PROFILE
SCALES: HORIZ. 1" = 50' VERT. 1" = 5'



PROFILES
SCALES: HORIZ. 1" = 50' VERT. 1" = 5'



UNGRAOUTED RIP RAP DETAIL @ S-1
No Scale

SIZE	TYPE	LENGTH
15"	RCP CL V	56 LF
15"	RCP CL IX	225 LF
18"	RCP CL III	20 LF
21"	RCP CL II	239 LF

No	TYPE	INV. IN	INV. OUT	TOP ELEV.		REMARKS	LOCATION
				UPPER	LOWER		
S-1	Type 3 Endwall	171.00	171.00			SHA MD # 360.01 21" Ø	
M-2	Shallow Manhole	175.80	174.90	182.3		SHA MD # 383.00 4' Sq.	
I-3	Std. WR Inlet	177.15	176.15	181.01	181.50	SHA MD # 374.04	
I-4	K-Inlet		178.80	Top Grate 182.3		SHA MD # 378.01	
I-7	A-5 Inlet Modified		179.51	180.10		See Detail this Sheet SD 4.01	See Plan
M-8	Mod. BRICK MANHOLE	173.7	173.5	180.15		See Det. this sht & Ho. Co. Std. G 5.05	
I-9	S-Inlet		176.15	Top Grate 178.0		Ho. Co. Std. SD 4.22	
I-10	A-5 Inlet	175.85	173.19	179.70		Ho. Co. STD SD 4.01	
OG 11	Oil/Grit Separator	177.26	173.90	180.00	180.30	See Detail Sht. 5 W3.26-W3.28	
S-12	Conc. End Section	172.88	172.80			Ho. Co. Std. SD 5.51 15"	

Δ ALL INVERTS TO BE FULLY DEVELOPED
* H = 1 FOOT
+ SEE MODIFICATION TO WEIR OPENING - SEE DETAIL THIS SHEET.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 COUNTY HEALTH OFFICER: *[Signature]* DATE: 6-28-91
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* DATE: 6/28/91
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *[Signature]* DATE: 6/28/91
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 DIRECTOR (Acting): *[Signature]* DATE: 6/27/91
 CHIEF OF BUREAU OF ENGINEERING: *[Signature]* DATE: 6/27/91

Reviewed for: HOWARD COUNTY S.C.D.
 Name: Howard County
 Signature: *[Signature]* Date: 6/19/91
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 APPROVED: *[Signature]* DATE: 6/19/91

DEVELOPER'S/BUILDERS CERTIFICATE
 I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. 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 of their authorized agents, as are deemed necessary.
 Signature: *[Signature]* Date: 6-10-90
 Signature of Developer/Builder: *[Signature]* Date: 6-10-90



ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Signature: *[Signature]* Date: 6-6-90
 G. NELSON CLARK DATE

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7155 MINTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 - BALTO • (301) 521-8500 - WASH
 DESIGNED: K.I.W.M.
 DRAWN: P.E.R.
 CHECKED: K.I.W.M.
 DATE: JULY, 1990
 SCALE: AS SHOWN
 DRAWING: 4 OF 9
 JOB NO: 90-077
 FILE NO: 90-077 X
 SITE DEVELOPMENT PLAN STORM DRAIN PROFILES & DETAILS FOR PROPOSED McDONALD'S RESTAURANT
 TAX MAP 38 PARCEL 127
 14th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 FOR: McDONALD'S CORPORATION
 COLUMBIA CORPORATE PARK
 8050 STANFORD BOULEVARD
 COLUMBIA, MARYLAND 21056

McDonald's Corporation
 McDonald's Plaza
 Oak Brook, Illinois 60521
 Revisions:
 No. 1 Date: 3-25-91
 No. 2 Date: 5-21-91
 No. 3 Date: 6-10-91
 By: K.I.W.M.
 Items: Profiles Revised per Co./State Hwy Comments
 K.I.W.M.
 Revid Per SHA Comments
 K.I.W.M.
 Revised per Co. Comments
 K.I.W.M.
 Issue Date: Drawn: Checked: Building Type:

SP-4

TRENCH NOTES

- 3.3.6.1. **Timing**
An infiltration trench shall not be constructed or placed in service until all of the contributing drainage area has been stabilized and approved by the responsible inspector.
- 3.3.6.2. **Trench Preparation**
Excavate the trench to the design dimensions. Excavated materials shall be placed away from the trench sides to enhance trench wall stability. Large tree roots must be trimmed flush with the trench sides in order to prevent fabric puncturing or tearing during subsequent installation procedures. The side walls of the trench shall be roughened where sheared and sealed by heavy equipment.
- 3.3.6.3. **Fabric Laydown**
The filter fabric roll must be cut to the proper width prior to installation. The cut width must include sufficient material to conform to trench perimeter irregularities and for a 6-inch minimum top overlap. Place the fabric roll over the trench and unroll a sufficient length to allow placement of the fabric down into the trench. Stones or other anchoring objects should be placed on the fabric at the edge of the trench to keep the lined trench open during windy periods. When overlaps are required between rolls, the upstream roll should lap a minimum of 2 feet over the downstream roll in order to provide a shingled effect. The overlap ensures fabric continuity or to ensure that the fabric conforms to the excavation surface during aggregate placement and compaction.
- 3.3.6.4. **Stone Aggregate Placement and Compaction**
The stone aggregate should be placed in lifts and compacted using plate compactor. As a maximum loose lift thickness of 12 inches is recommended. The compaction process ensures fabric conformity to the excavation sides, thereby reducing the potential for soil piping, fabric clogging, and settlement problems.
- 3.3.6.5. **Overlapping and Covering**
Following the stone aggregate placement, the filter fabric shall be folded over the stone aggregate to form a 6" minimum longitudinal lap. The desired fill soil or stone aggregate shall be placed over the lap at sufficient intervals to maintain the lap during subsequent backfilling.
- 3.3.6.6. **Contamination**
Care shall be exercised to prevent natural or fill soils from intermixing with the stone aggregate. All contaminated stone aggregate shall be removed and replaced with uncontaminated stone aggregate.
- 3.3.6.7. **Voids Behind Fabric**
Voids can be created between the fabric and excavation sides and shall be avoided. Removing boulders or other obstacles from the trench walls is one source of such voids. Natural soils should be placed in these voids at the most convenient time during construction to ensure fabric conformity to the excavation sides. Soil piping, fabric clogging, and possible surface subsidence will be avoided by this trench process.
- 3.3.6.8. **Unstable Excavation Sides**
Vertically excavated walls may be difficult to maintain in areas where the soil moisture is high or where soft cohesive or cohesionless soils predominate. These conditions may require laying back of the side slopes to maintain stability; trapezoidal rather than rectangular cross sections may result.
- 3.3.6.9. **Vegetative Buffer**
A vegetative buffer of at least 20 feet (wider, if possible) shall be used to intercept surface runoff from all impervious areas.
- 3.3.6.10. **Traffic Control**
Heavy equipment and traffic shall be restricted from travelling over the infiltration areas to minimize compaction of the soil.
- 3.3.6.11. **Observation Well**
An observation well, as described in subsection 3.3.4.8 and Figure 3-5 shall be provided. The depth of the well at the time of installation will be clearly marked on the well cap.
- 3.3.7. **Maintenance**
Infiltration trenches shall be designed to minimize maintenance. However, it is recognized that all infiltration facilities are subject to clogging by sediment, oil, grease, grit and other debris. In addition, the performance and longevity of these structures is not well documented. Consequently, a monitoring observation well is required for all infiltration structures.
The observation well shall be monitored periodically. For the first year after completion of construction, the well should be monitored on a quarterly basis and after every large storm. It is recommended that a log book be maintained indicating the rate at which the facility dewaters after large storms and the depth of the well for each observation. Once the performance characteristics of the structure have been verified, the monitoring schedule can be reduced to an annual basis, unless the performance data indicate that a more frequent schedule is required.
Sediment build-up in the top foot of stone aggregates or the surface inter should be monitored on the same schedule as the observation well. A monitoring well in the top foot of stone aggregate will be required when the trench has a stone surface. Sediment deposited shall not be allowed to build up to the point where it will reduce the rate of infiltration into the trench.

OIL AND GRIT SEPARATOR NOTES

DESIGN AND GENERAL NOTES

- Use poured-in place concrete for the entire structure.
- Refer to Maryland State Highway Administration for materials and methods of construction.
- Wall thickness shall be as follows:
Minimum 8 inches thick for the first 8'-0" of depth, 12 inch thick walls between 8'-0" and 12'-0" of depth and 16 inch thick walls for depth greater than 12'-0". Depth to be measured from top of top slab to crown of outgoing pipe.
- $f'_c = 3,500$ psi at 28 days.
- All reinforcing steel to be ASTM A615, above.
- For details concerning throat openings, refer to MDDOT Standard No. 55.

Throat Length	No. of Pipe Supports
5'	0
10'	1
15'	2
20'	3

pipe supports to be spaced at 5'-0" O.C

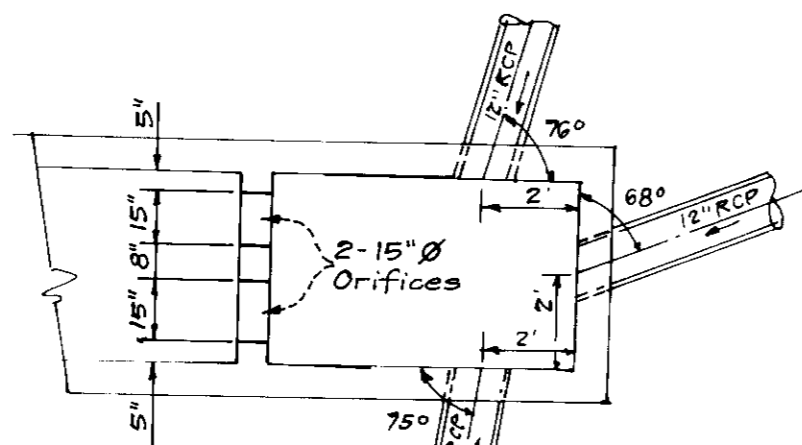
- For details not noted in this standard, refer to MDDOT Standard No. 55.
- The top 4 inches of walls may be brick masonry for leveling, if required. Brick masonry shall comply with the latest SMA Specification.
- When grate opening is used; refer to the appropriate SMA Standard for details. Details shall be shown on the plans.
- When inside width of structure is greater than 4'-0", reinforcing shall be revised as needed.
- When structure is subject to traffic loading, reinforcing shall be designed for the appropriate traffic loads. Design loads shall be indicated on the plan.
- All inlets and incoming pipes shall be checked for possible backwater or tailwater problems.

CONSTRUCTION NOTES

- Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
- All openings to structures shall be protected with the appropriate sediment control measures during construction.

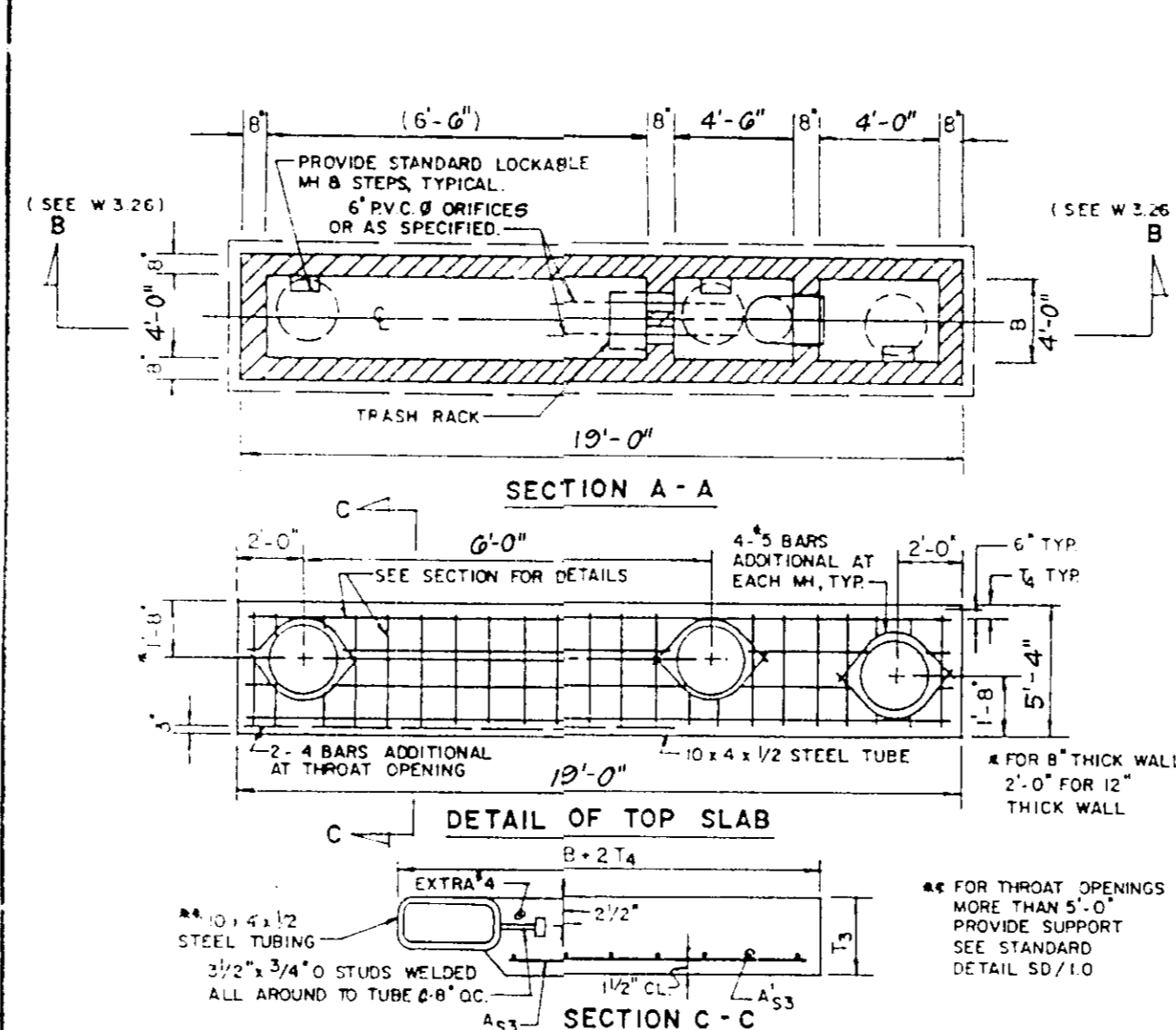
MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASTE)

- Water Quality Structures will require periodic cleaning. Owners of these facilities will have to clean them as needed or on a frequency that the County determines is appropriate. Owners of Water Quality Structures 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 County Stormwater Management group.
- The disposal of the liquid and solid matter should be as follows:
A. 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.
B. 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.



LOCATION PLAN FOR PIPES ENTERING STR# OG 11
SCALE: 1"=4'

ALL DIMENSIONS SHOWN ARE MINIMUM DIMENSIONS

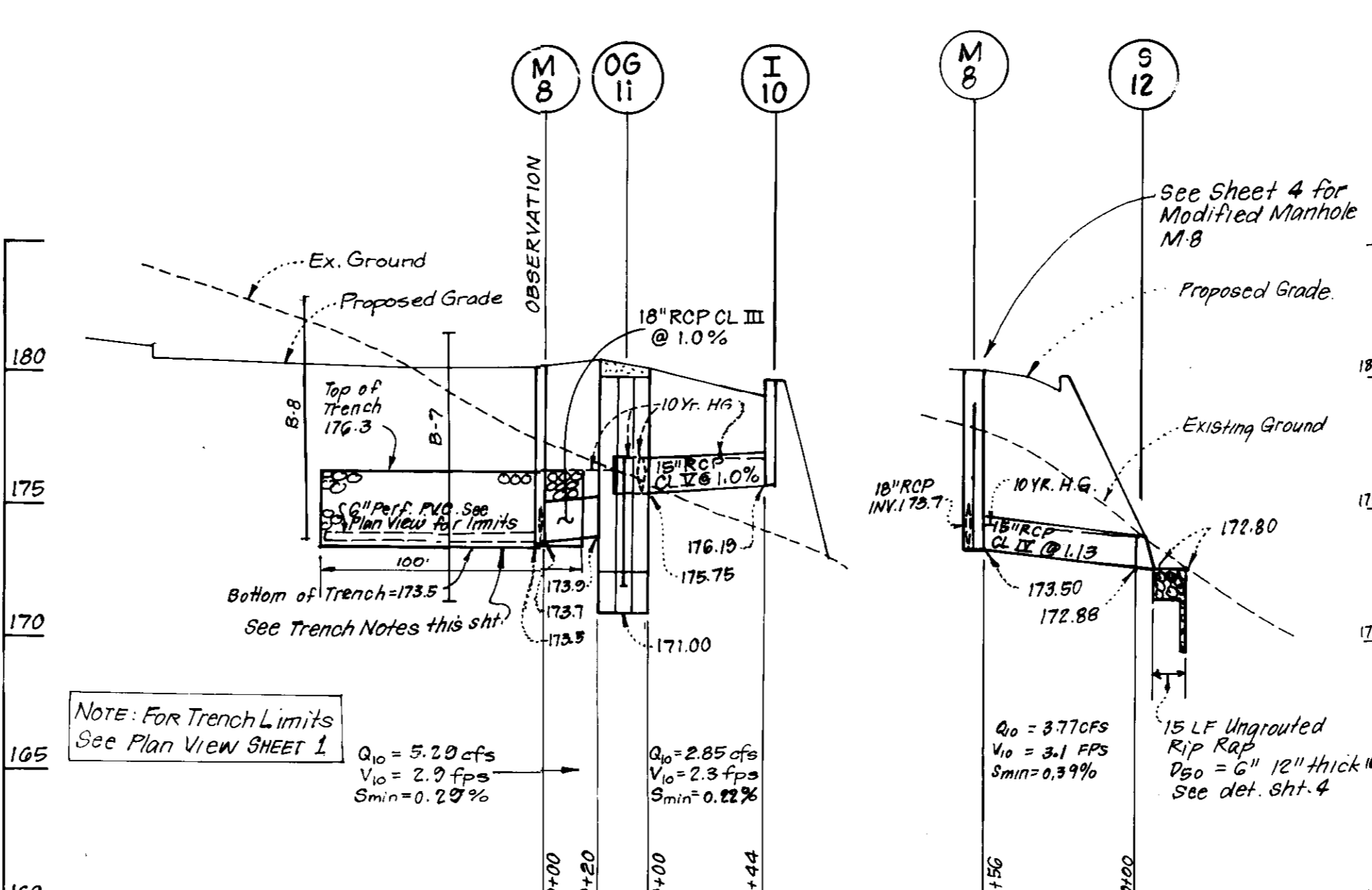


LIMITS	BASE SLAB		PARTITION WALLS		TOP SLAB		OUTER WALLS	
	B	A	A ₁	A ₂	A ₃	A ₄	A ₅	A ₅
FT	10	6	12	15	12	15	12	15
INS	0	0	0	0	0	0	0	0

CAST IN PLACE CONCRETE $f'_c = 4000$ psi @ 28 DAYS REINFORCING STEEL IN ACCORDANCE WITH ASTM A 615 GRADE 60

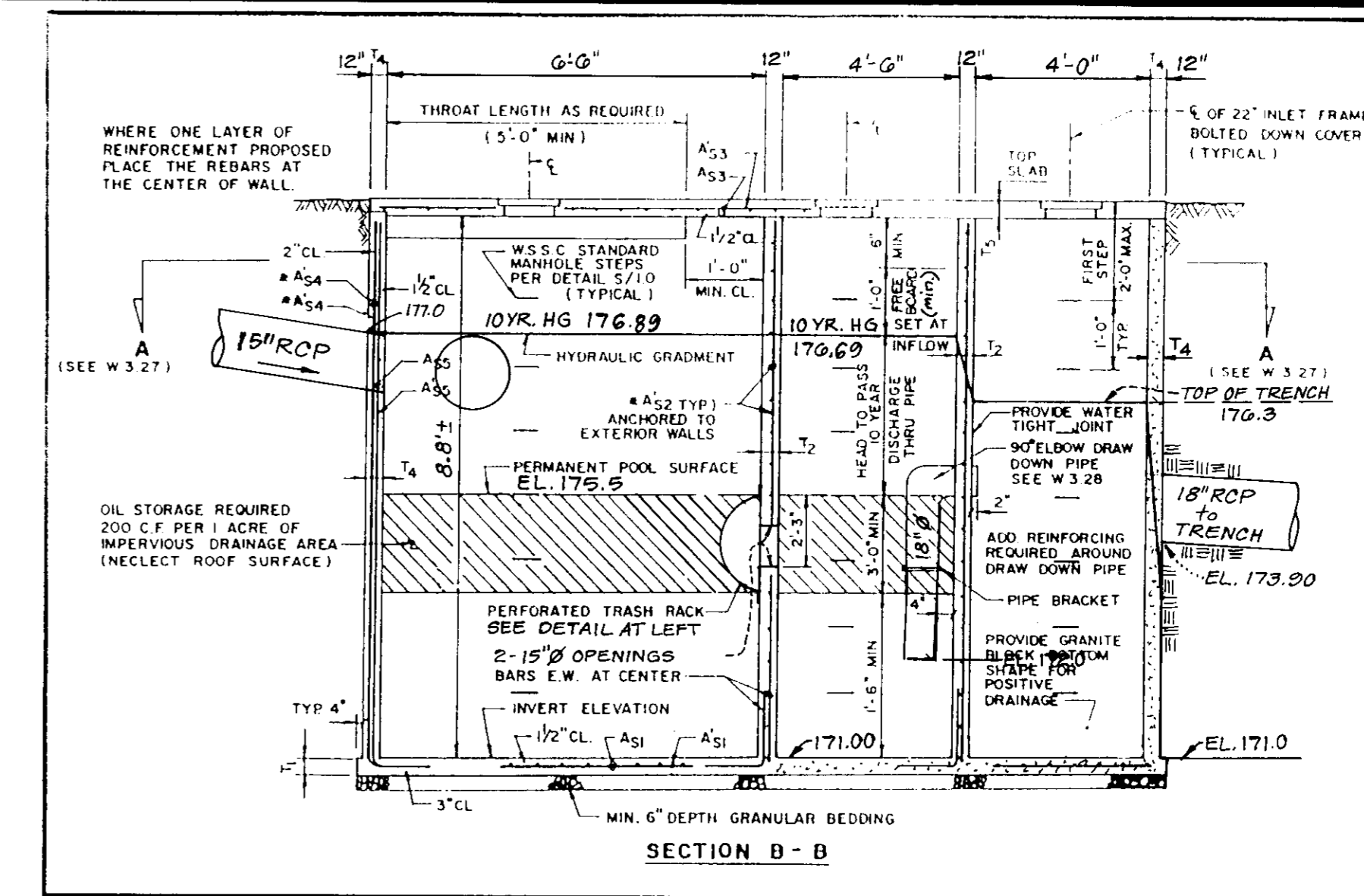
NOTE: FOR SECTION AND DETAILS REFER TO SD/7.0 AND SD/7.1

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

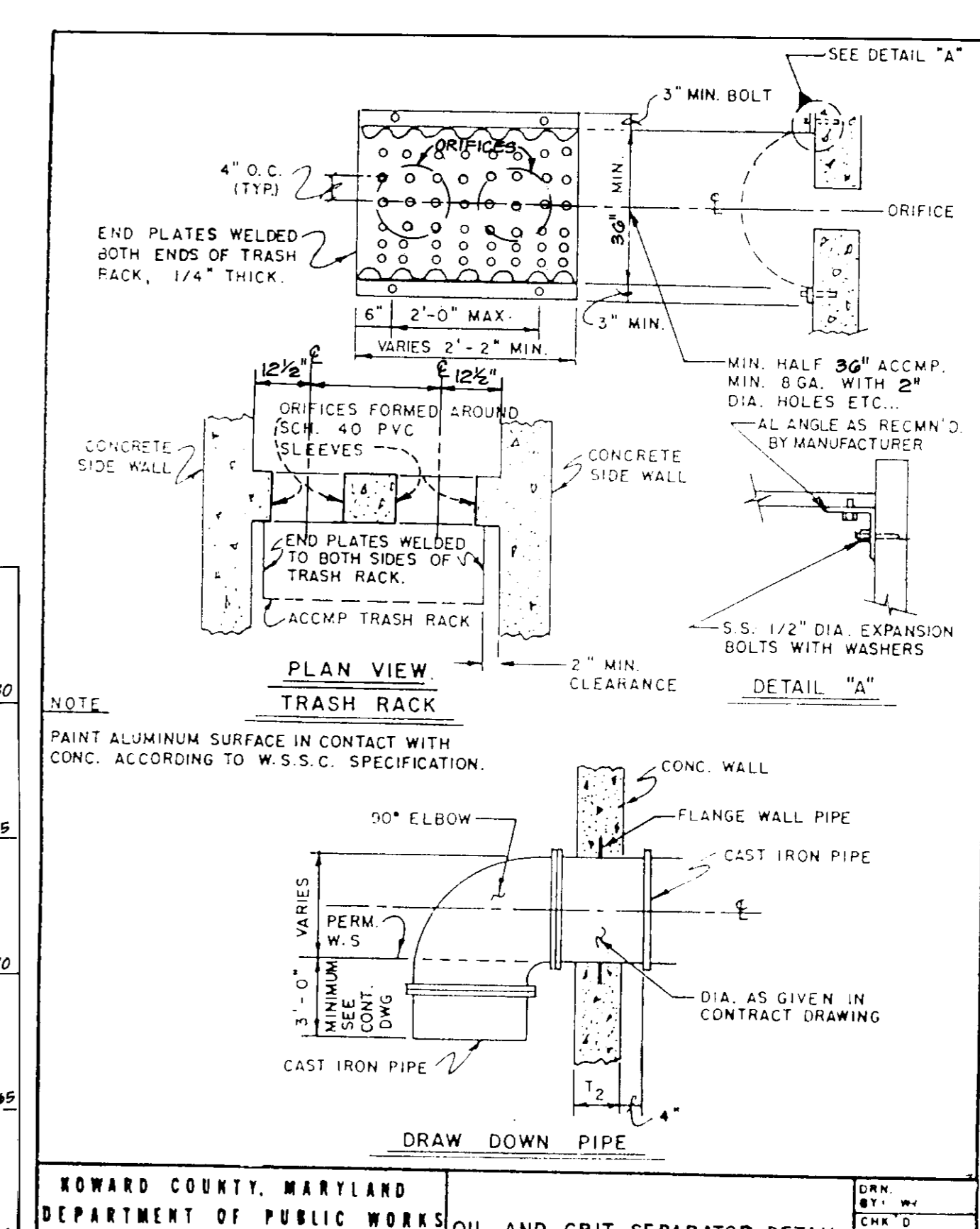


PROFILES

Scales: Horiz. 1"=50'
Vert. 1"=5'



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



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

Check-Off List to be Placed on Stormwater Management Infiltration Structure Plans

Stage	Developer's/Engineer Approval	DEP Inspector's Approval
1. Pre-construction meeting.*	Initials Date	Initials Date
2. Grade and stabilize drainage area to infiltration structure.*		
3. Excavate infiltration trench and install filter cloth.*		
4. Install sand, observation well, and any other required pipe.*		
5. Install coarse aggregate, filter cloth and fine sieves.*		
6. Stabilization and placement of final cover.		
7. Removal of sediment and/or construction debris from storm drains and stormwater management structure.*		
8. Final inspection.*		

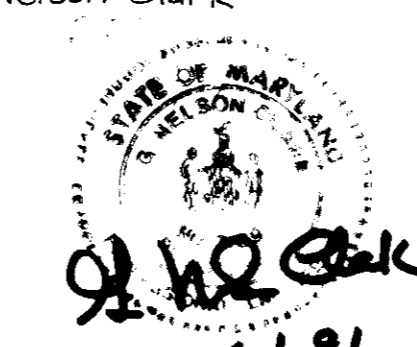
NOTE: See Construction Specifications for detailed requirements.
* Mandatory notification/approval of DEP Inspector prior to proceeding with next stage. Call 231-2630 prior to 12:00 noon on the preceding day to arrange for notification/inspection.

Reviewed for HOWARD COUNTY S.C.D. and approved 6/19/91
[Signature]
U.S. Soil Conservation Service

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

Approved: [Signature] 6/19/91
Date

ENGINEER'S CERTIFICATE
I, [Signature], hereby certify that this plan for Erosion and Sediment Control represents a professional and workable plan based on a personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
Date: 4-1-91
G. Nelson Clark



CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO • (301) 621-8100 - WASH

SITE DEVELOPMENT PLAN
STORM WATER MANAGEMENT DETAILS
MCDONALD'S TRACT
TAX MAP No. 38 PARCEL 127
1ST ELECTION DISTRICT
HOWARD COUNTY MARYLAND

FOR: MCDONALD'S CORPORATION
Columbia Corporate Park
8850 Stratford Boulevard
Columbia, Maryland 21045

SCALE: 1"=20'
DRAWING: 5 OF 9
JOB NO: 90-077
FILE NO: 90077-X
DATE: MAR. 1991

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 6-28-91
COUNTY HEALTH OFFICER

APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING
[Signature] 6/28/91
DIRECTOR

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 6/27/91
CHIEF BUREAU OF ENGINEERING

McDonald's Corporation
McDonald's Plaza
Oak Brook, Illinois 60521

Revisions: [Table with columns for No., Date, Items, Sheet Revised Per Co. Comments, Revised Per Co. Comments]

Issue Date: [Blank]
Drawn: [Blank]
Checked: [Blank]
Building Type: [Blank]

McDonald's

SP-5
SDP 91-33

BONNIE VIEW LANE
50' R/W
(PUBLIC ROAD)



EX. MH
1157

WATER AND SEWER NOTES

1. All construction methods and materials for on-site private water and sewer system shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Standard Details and Specifications where necessary.
2. Areas where water house connections are to be built shall be graded to finished grade and connections shall be laid with a minimum of 3.5' of cover.
3. 2" WHC shall be copper type "K" ASTM 88
4. Sewer House Connection shall be PVC, CSPX or VCPX.
5. SHC shall be built at a slope of 2.00%

GREASE INTERCEPTOR TRAP DESIGN CRITERIA

1. The grease interceptor shall be designed and sized for the efficient removal of grease at the maximum anticipated flow. The minimum grease interceptor size shall be 750 gallons.
2. Grease interceptor location shall be outside the building and accessible for cleaning and grease removal by waste hauler.
3. Venting shall be required so as to conform to the Plumbing Code.
4. Clean-outs shall be provided on the inlet and outlet for unblocking sewer lines and "dip pipes" of the interceptor.
5. The inlet part shall be approx. 3" to 6" above the outlet part.
6. The inlet pipe shall extend 6" below the liquid level.
7. The outlet pipe shall extend 18" below the liquid level or 12" from the interceptor floor.
8. Access shall be provided for cleaning and inspection.
9. Access covers shall be gas tight and constructed to withstand traffic weight.
10. All drains containing concentrations of fats, oils and greases shall discharge to the grease interceptor prior to entering the sanitary sewer system.
11. Waste from garbage grinders and restrooms shall bypass the grease interceptor.

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

APPROVED: HOWARD COUNTY DEPT OF PLANNING & ZONING

APPROVED: CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

APPROVED: CHIEF BUREAU OF ENGINEERING

CLARK • FINEPROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7500 - BALTO • (301) 621-8100 - WASH

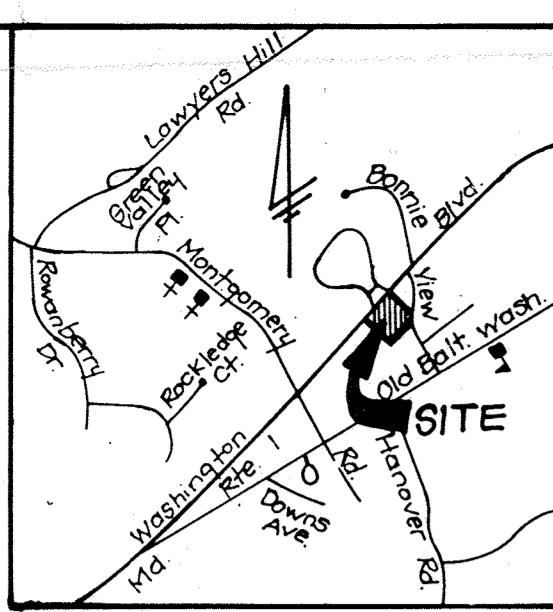
DESIGNED JTR	SUPPLEMENTAL UTILITY PLAN WATER, SEWER AND UTILITIES PLAN FOR PROPOSED MCDONALD'S RESTAURANT TAX MAP NO. 38 PARCEL 127 1ST ELECTION DISTRICT HOWARD COUNTY MARYLAND FOR: MCDONALD'S CORPORATION 18750 BONNIE VIEW LANE OAK BROOK, ILLINOIS 60521	SCALE 1" = 20'
DRAWN BAL		DRAWING 6 OF 9
CHECKED JTR		JOB NO 90-077
DATE Mar 1991		FILE NO 90-077

Revisions		By	Building Type
No.	Date	Items	
1	3-22-91	Revised per County Comments	JTR
2	6-10-91	Revised 1/2" WWC Size Based per Co. Comments	JTR
Issue Date	Drawn	Checked	Building Type

McDonald's Corporation
McDonald's Plaza
Oak Brook, Illinois 60521

McDonald's

SP-6



VICINITY MAP
Scale: 1" = 2000'

LEGEND

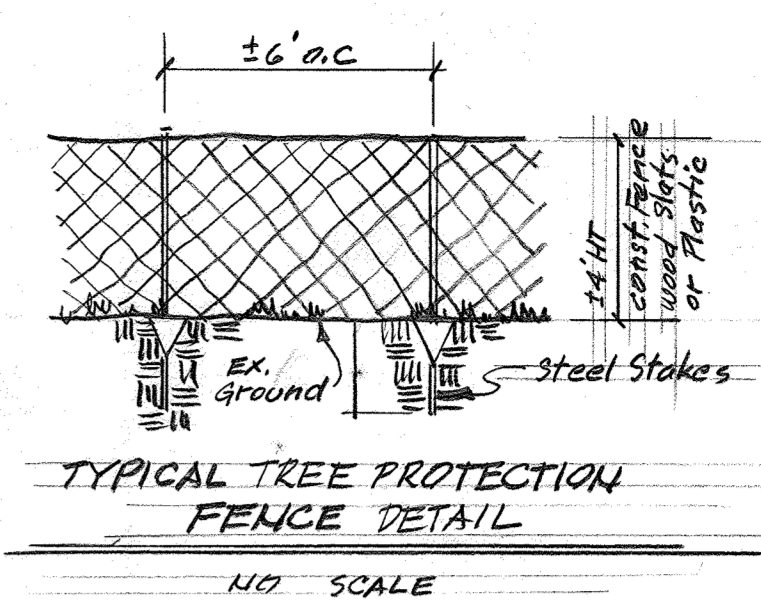
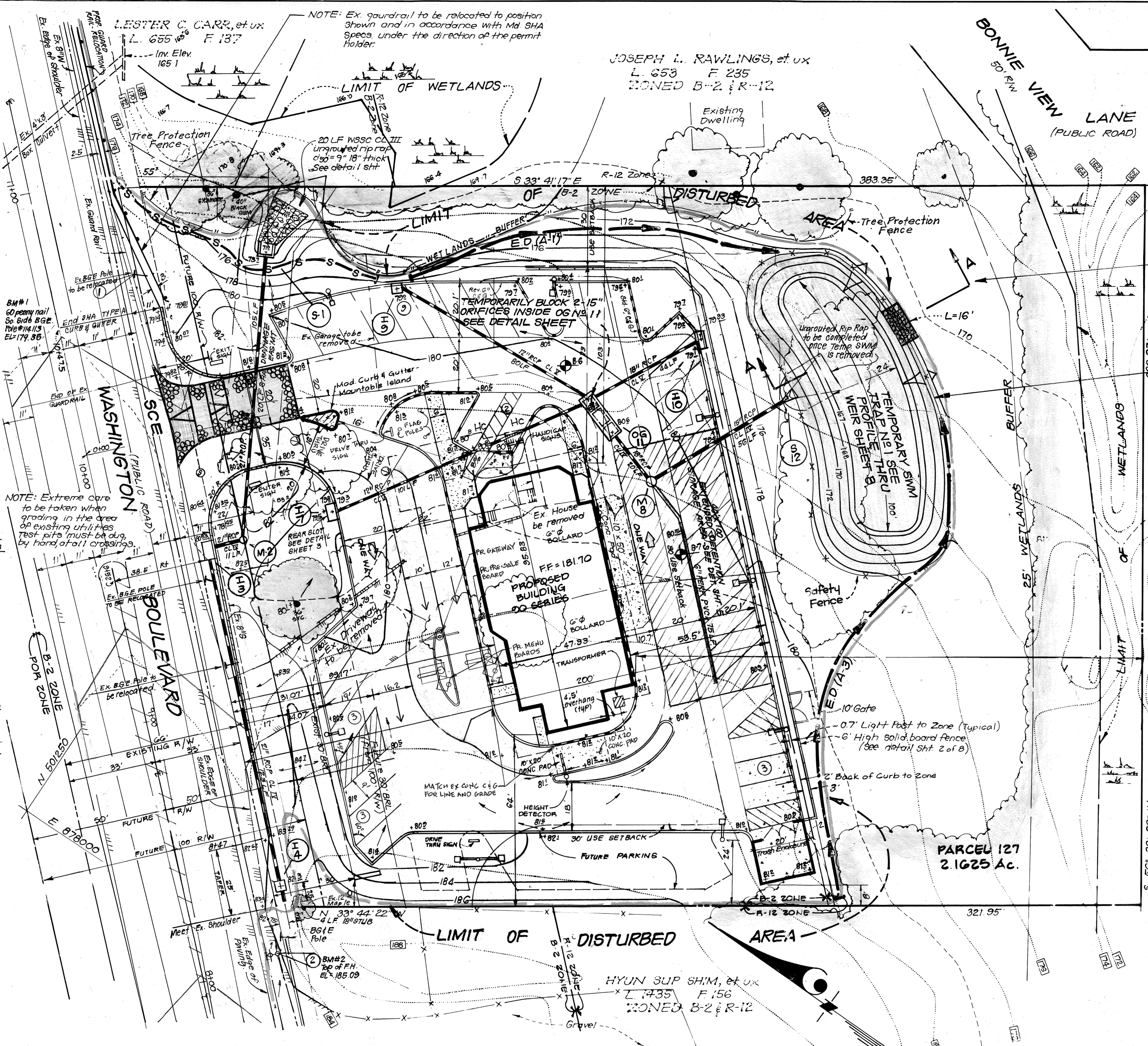
- Contour Interval 2 Ft
- Existing Contour
- Proposed Contour
- Spot Elevation
- Direction of Drainage
- Existing Trees to be saved
- Earth Dike
- Silt Fence
- Stabilized Construction Entrance
- Tree Protection Fence

CONSTRUCTION SEQUENCE

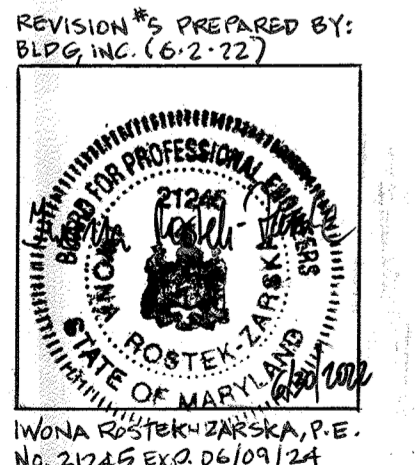
	No. of Days
1. Obtain building permit	7
2. Install SCE, Silt Fence & Earth Dikes	30
3. Construct temporary SWM Trap No. 1	21
4. Clear and rough grade site	45
5. Construct storm drainage, temporarily block the 2-15" orifices in OG No. 11, see detail sheet B of 10	21
6. Construct Utilities	30
7. Construct Infiltration Trench - see const. specs sheet B of 10 and maintenance schedule check-off list sheet 5 of 10.	30
8. Fine grade and construct paving	10
9. Stabilize all disturbed areas in accordance with specs. Flush out storm drains	10
10. Upon completion of permanent stabilization and w/ approval of the Inspector remove Temp. SWM Trap No. 1 and remaining sediment controls. Complete outfall at S-12 and stabilize immediately. 14	14

NOTES FOR STORM DRAIN CONSTRUCTION ALONG ROUTE 1

1. No trench shall be opened more than the amount of pipe to be laid that day.
2. Area disturbed by storm drain installation shall be stabilized at the end of each day.
3. TEMPORARILY BLOCK I-3 & I-4 UNTIL AREA DRAINING TO THEM HAS BEEN STABILIZED.



SECTION A-A - SEE SHEET B



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
 Approved: *[Signature]* 6/25/91
 COUNTY HEALTH OFFICER
 APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 Approved: *[Signature]* 6/25/91
 DIRECTOR
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Approved: *[Signature]* 6/27/91
 DIRECTOR (Acting)
 CHIEF BUREAU OF ENGINEERING

Reviewed for... HOWARD... S.C.D.
 Signature: *[Signature]* 6/19/91
 U.S. Soil Conservation Service
 THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Approved: *[Signature]* 6/19/91

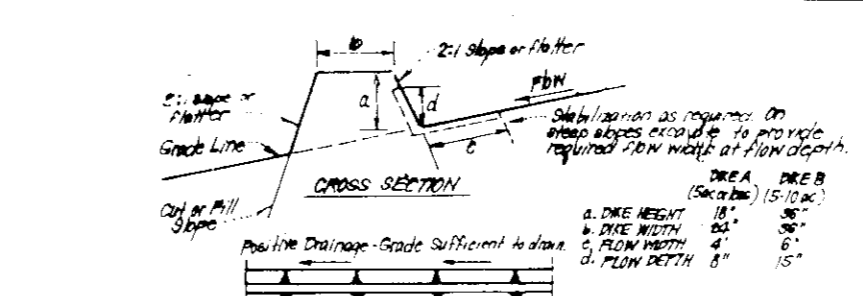
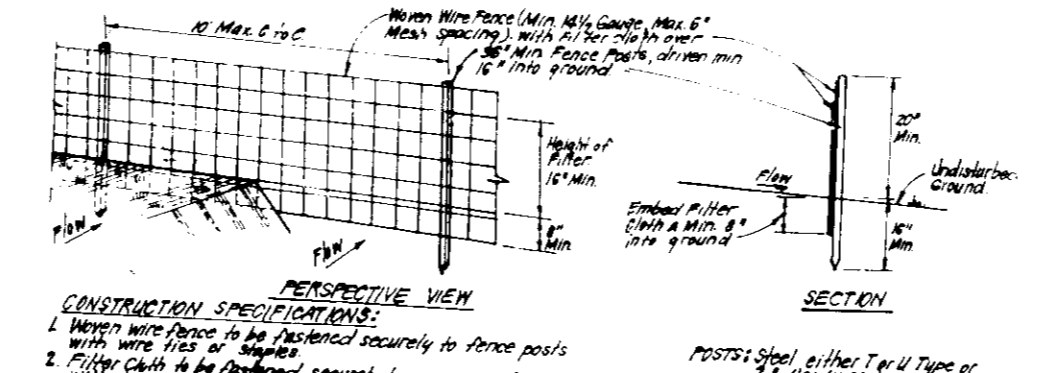
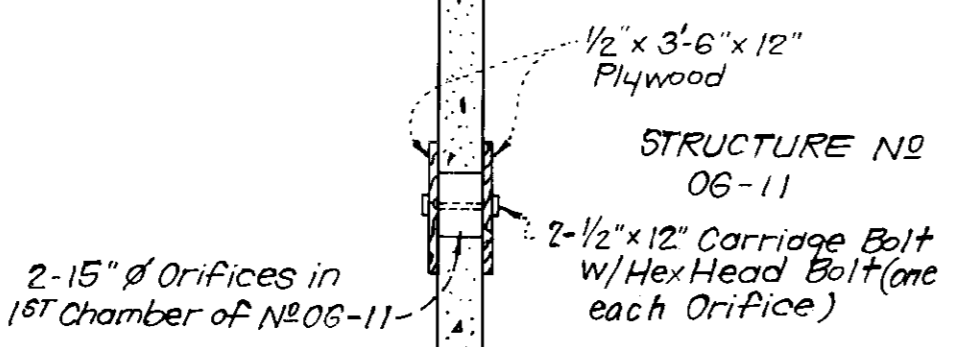
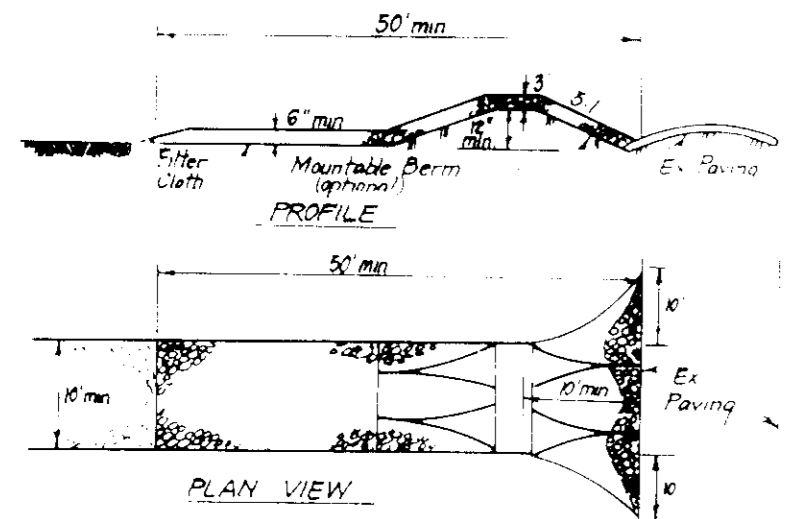
DEVELOPER'S/BUILDER'S CERTIFICATE
 "I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Department 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 or their authorized agents, as are deemed necessary."
 Signature: *[Signature]* 6/19/91
 Date: 6/19/91

ENGINEER'S CERTIFICATE
 I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.
 Signature: *[Signature]* 4-1-91
 Date: 4-1-91
 G. Nelson Clark

CLARK • FINEFROCK & SACKETT, INC.
 ENGINEERS • PLANNERS • SURVEYORS
 7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7500 - BALTO. • (301) 621-8100 - WASH.
 DESIGNED: KIWM
 DRAWN: BAL
 CHECKED: KIWM
 DATE: March 1991
 SCALE: 1" = 20'
 DRAWING: 70F-9
 JOB NO.: 90-077
 FILE NO.: 90-077
 FOR: MCDONALD'S CORPORATION
 Columbia Corporate Park
 3850 Stanford Boulevard
 Columbia, Maryland 21045

Revisions		By	
No.	Date	Items	Comments
1	3-22-91	Plan Revised per Co. Comments	KIWM
2	6-10-91	Plan Revised per Co. Comments	KIWM
3	6-27-91	REVISED SITE ANALYSIS, WETLANDS, TREE PROTECTION, AND BUFFER STRIPS	BAO
Issue Date		Drawn	Checked
Issue Date		Building Type	

McDonald's Corporation
 McDonald's Plaza
 Oak Brook, Illinois 60521
 MCD 10100
 The entire building design and the standard roof design shown in these drawings are service marks of McDonald's Corporation, registered in the U.S. Patent and Trademark Office.
 SP-7
 9DP-91-33



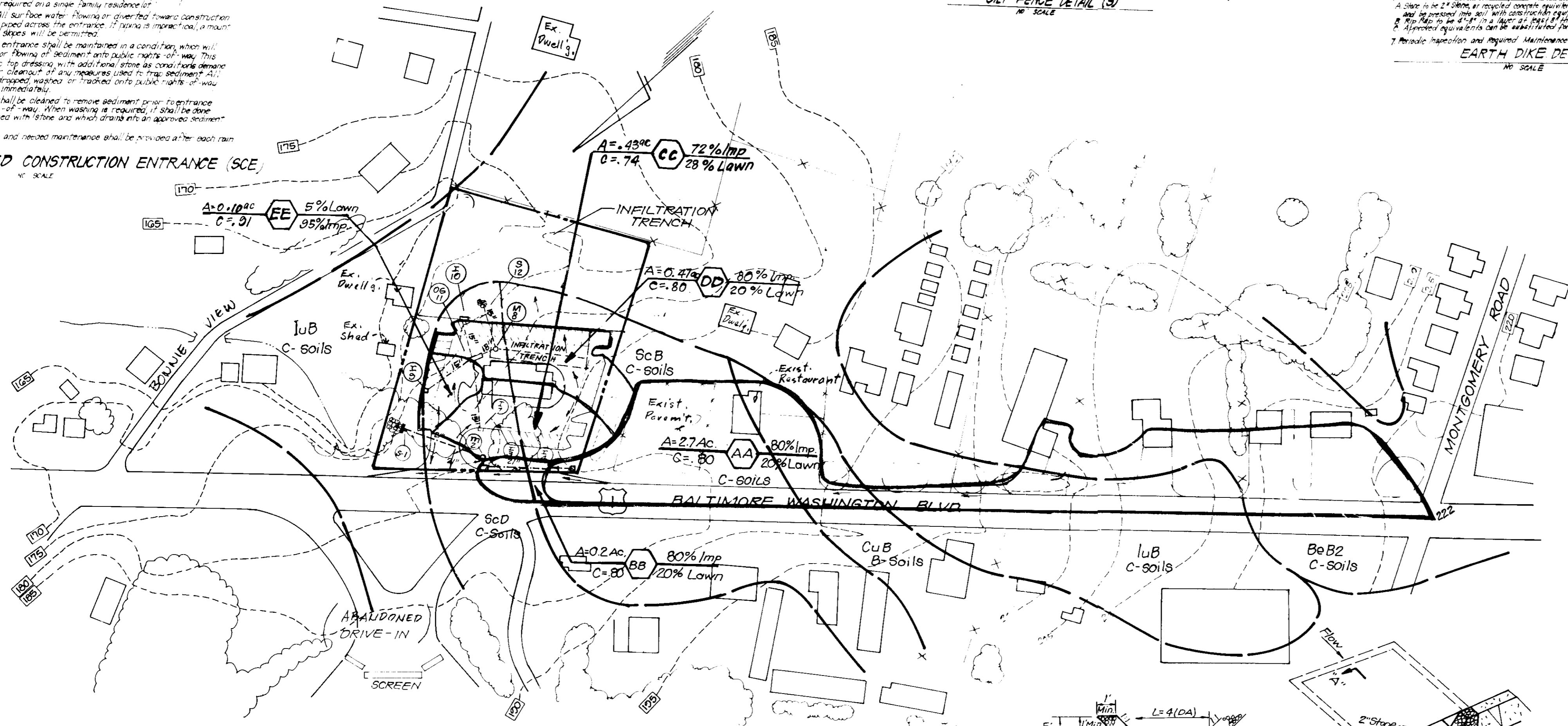
- CONSTRUCTION SPECIFICATIONS**
1. Stone size - Use 2 1/2" stone in apron and 1 1/2" stone in core.
 2. Length - As required, but not less than 50 feet.
 3. Thickness - Not less than 18 inches.
 4. Width - Not less than 18 inches.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone.
 6. Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public ways.
 8. Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public ways.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

TEMPORARY BLOCK THRU 2-15" ORIFICES AT STRUCTURE NO 06-11
No Scale

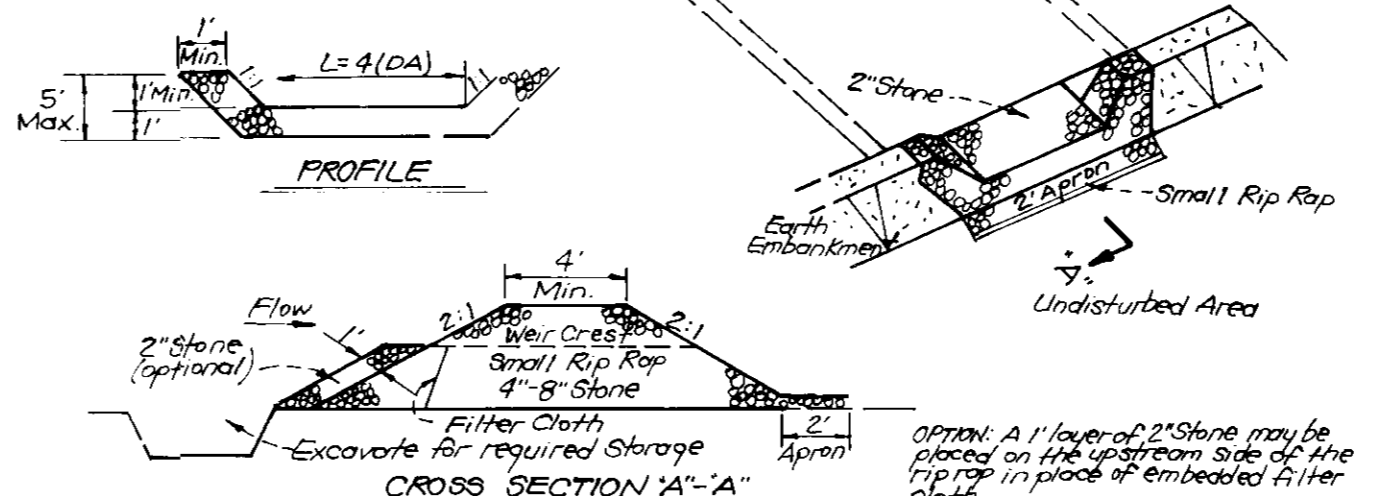
SILT FENCE DETAIL (S)
No Scale

- SEDIMENT CONTROL NOTES**
1. A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction.
 2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in accordance with the 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed within 7 calendar days for all permanent sediment control structures, dikes, perimeter slopes and all other disturbed or graded areas on the project site.
 4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
 5. All disturbed areas must be stabilized within the time period specified above in accordance with the 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 50) and temporary seedings (Sec. 50) and temporary stabilization with mulch alone can only be done when recommended seedling rates do not allow for proper germination and establishment of grasses.
 6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
 7. Site Analysis:
 - Total Area of Site: 2.125 Acres (1,257 sq. ft. ±)
 - Area to be seeded or paved: 1.25 Acres (675,000 sq. ft. ±)
 - Area to be vegetatively stabilized: 0.87 Acres (474,000 sq. ft. ±)
 - Total Cut: 2,522 cu. yds.
 - Total Fill: 2,522 cu. yds.
 - Off-site water/borrow area location: 2.0
 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
 9. Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
 10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other utility or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
 11. If houses are to be constructed on an "As-Built" basis, at that time, Silt Trap Sediment Control as shown below shall be implemented.
 12. All pipes to be blocked at the end of each day (see detail below).
 13. The total amount of straw bale dikes/silt fence equals 350 L.F.

STABILIZED CONSTRUCTION ENTRANCE (SCE)
No Scale



PLAN
SCALE: 1"=100'



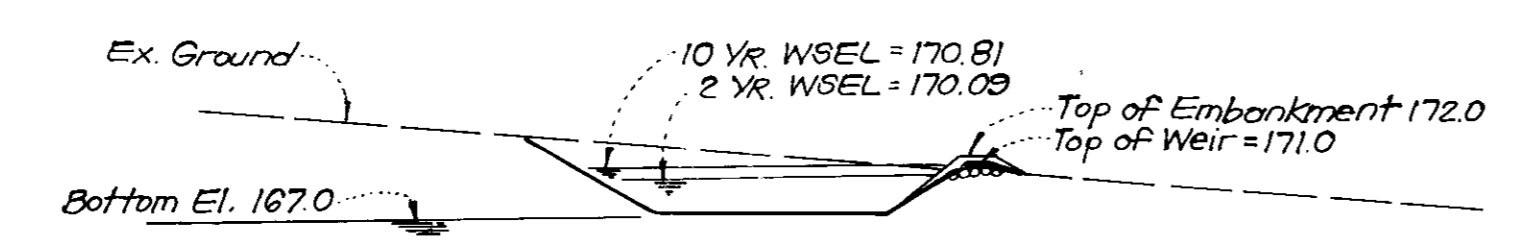
- CONSTRUCTION SPECIFICATIONS**
1. Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The soil area shall be cleared.
 2. The fill material for the embankment shall be free of roots and other woody vegetation as well as over sized stones, rocks, unworkable material or other objectionable material. The embankment shall be compacted by procedures with equipment while it is being constructed.
 3. All cut and fill slopes shall be 2:1 or flatter.
 4. The stone used in the outlet shall be small rip rap 2" to 4" along with 1/2" of aggregate placed on the up-slope side on the spill trap or deposited in the drain of the trap.
 5. Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2" the design depth of the trap.
 6. The structure shall be inspected after each rain and repairs made as needed.
 7. Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 8. The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

STONE OUTLET SEDIMENT TRAP (SOST) S.T.V.
No Scale

SOILS LEGEND

SYMBOL	TYPE	SLOPES
BEB2	Beltville Silt Loam	1-5%
CuB	Comus Silt Loam	3-8%
IUB	Iuka loam	1-5%
ScB	Sandy and Clayey Loam	gentle
ScD	Sandy and Clayey Loam	moderate

See Soils Map #20



SECTION A-A THRU TEMPORARY STORMWATER MANAGEMENT TRAP NO 1

Scales: Horiz. 1"=20'
Vert. 1"=20'

- PERMANENT SEEDING NOTES**
- Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.
- Seedbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, 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 400 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil. As 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 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

- Seeding -** For the periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 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 28, protect site by Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.
- Mulching -** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.
- Maintenance -** Inspect all seeded areas and make needed repairs, replacements and reseedings.

- TEMPORARY SEEDING NOTES**
- Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.
- Seedbed Preparation:** Loosen upper three inches of soil by raking, discing or other acceptable means before seeding, 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 November 15, seed with 24 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of weeping lovegrass (.07 lbs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, as we seed.
- Mulching -** Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.
- Refer to the 1981 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

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

[Signature] 6/28/91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING

[Signature] 6/28/91

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

[Signature] 6/27/91

[Signature] 6/27/91

HOWARD COUNTY DEPARTMENT OF PLANNING & ZONING

[Signature] 6/19/91

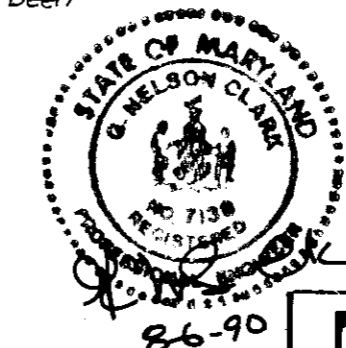
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL

[Signature] 6/19/91

[Signature] 6/19/91

[Signature] 6/26/90

G. Nelson Clark Date



CLARK • FINEFROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS

DESIGNED	SCALE
KIWM	AS SHOWN
DRAWN	DRAWING
BAL	8 OF 9
CHECKED	JOB NO
KIWM	90-077
DATE	FILE NO
JULY 1990	90-077 SE

McDonald's Corporation
McDonald's Plaza
Oak Brook, Illinois 60521

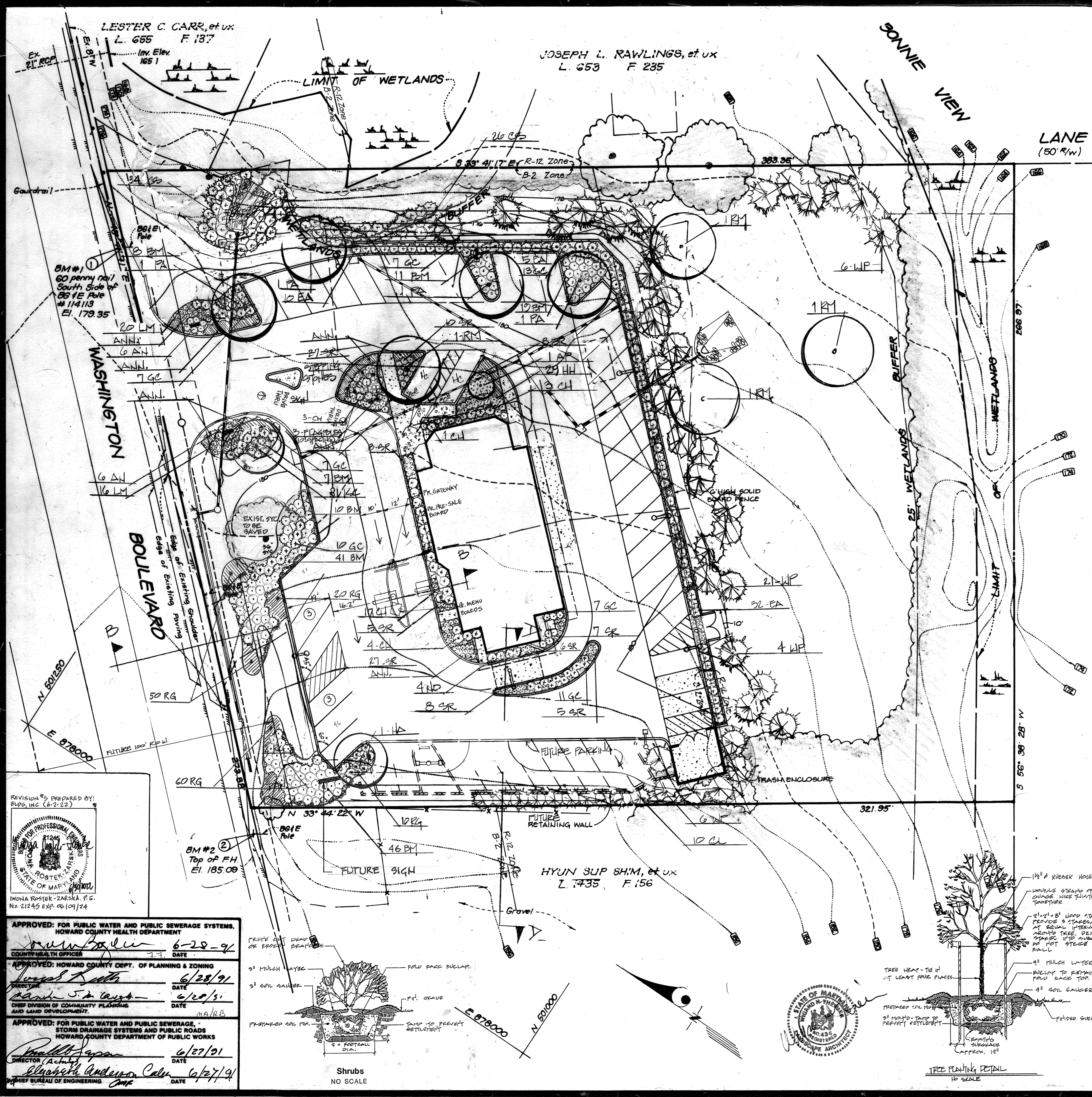
Issue Date: 6/26/90

Revised Per Co. Comments: 6/26/90

Revised Per Co. Comments: 6/26/90

McDonald's

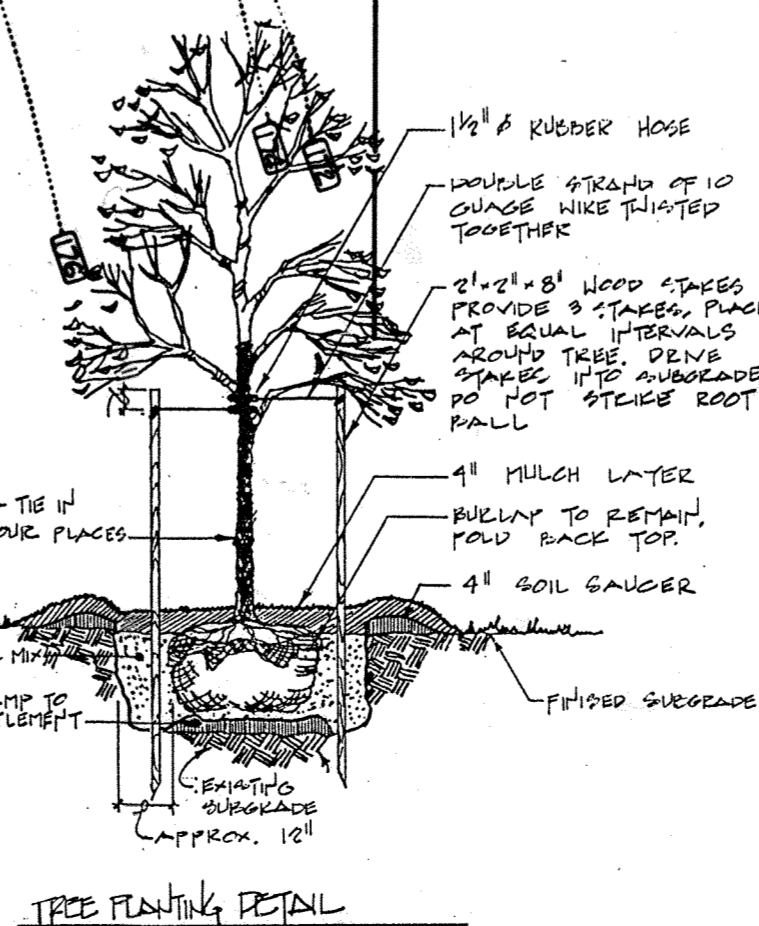
SP-8



PLANT SCHEDULE				
KEY	PLANT NAME	SIZE	QTY.	REMARKS
SHADE TREES				
RM	ACER RUBRUM RED MAPLE	2 1/2 - 3' CAL. 12-14' HT.	4	B&B HEAVY HEADS
FA	PLATANUS ACERIFOLIA 'BLOODGOOD' LONDON PLANETREES	2 1/2 - 3' CAL. 12-14' HT.	5	
FLOWERING/EVERGREEN TREES				
AP	ACER PALMATUM JAPANESE MAPLE	6-7' HT.	1	
KC	PRUNUS CERULEA 'KIMZAN' KIMZAN CHERRY	2-2 1/2' CAL. 8-10' HT.	1	
CL	CUPRESSUS PARVIFOLIA LELANDII LELAND CYPRESS	6-8' HT.	10	
WP	PINUS STROBILIS WHITE PINE	6-8' HT.	37	
HA	HALIMIA CAROLINA CAROLINA SILVERBELL	2-2 1/2' CAL. 8-10' HT.	1	
SHRUBS				
CS	CORNUS SERICEA 'STELANIFERA' RED OSIER DOGWOOD	24"-36"	60	B&B HEAVY
EA	EUCHYMIUS ALATUS COMPACTA DWARF WINGED EUCHYMIUS	18"-24"	50	
RG	RUDBECKIA GLOSTERI (PERENNIAL) BLACK EYE SWAN	1 QT POTS	140	± 2' O.C.
CH	ILEX CORNUTA 'ROTUNDA' DWARF CHINESE HOLLY	18"-24"	28	
HH	ILEX CRENATA 'HELLERI' HELLERI HOLLY	15"-18"	29	
QC	JUNIPERUS CHINESIS 'AUREA' GOLDCREST JUNIPER	18"-24"	66	
QR	JUNIPERUS CHINESIS 'SARGENTII' SARGENT'S JUNIPER	15"-18"	103	
AN	JUNIPERUS HORIZONTALIS 'PLUMEA' ANDROMEDA JUNIPER	18"-24"	12	
PR	JUNIPERUS HORIZONTALIS 'WILTONI' PLUMER JUNIPER	15"-18"	8	
EM	JUNIPERUS CAERULEA 'BROADMOOR' BROADMOOR JUNIPER	15"-18"	126	
LM	LIRIOPE x MUXICARI LIRIOPE	1 GAL.	30	
HD	HALIMIA DOMESTICA HEAVENLY BAMBOO	18"-24"	4	
ANNUAL SEASONAL/ANNUAL FLOWER BEDS				

NOTES.

- ALL PLANTING TO BE IN ACCORDANCE WITH BALT./WASH. LANDSCAPE SPECIFICATIONS OF L.C.A.M.I.L.
- ALL PLANT MATERIAL TO MEET A.M.A. STANDARDS
- ALL LANDSCAPED AREAS TO BE GROWN. 3" LAYER OF SHEETED HARDWOOD MULCH
- CALLER FOR ALL VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.



REVISION #5 PREPARED BY: BLP/INC (6-2-22)

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT. DATE: 6-28-97

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING. DATE: 6/28/97

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS. DATE: 6/27/97

McDonald's Corporation
McDonald's Plaza
Oak Brook, Illinois 60521

McDonald's

CLARK • FINEROCK & SACKETT, INC.
ENGINEERS • PLANNERS • SURVEYORS
7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 381-7200 - BALTO. • (301) 621-8100 - WASH.

LANDSCAPE PLAN FOR PROPOSED MCDONALD'S RESTAURANT

TAX MAP No. 38 PARCEL 127
18TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FOR: MCDONALD'S CORPORATION
COLUMBIA CORPORATE PARK
8850 STARBOARD BOULEVARD
COLUMBIA, MARYLAND 21045

SCALE: 1" = 20'

DRAWING: 90F9

CHECKED: W.H.T.

DATE: JULY, 1990

JOB NO: 90-077

FILE NO: 90-07715

SP-9