

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

Joseph M. Boylston, P.E. 8-6-91
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

James R. Butler 8/9/91
DIRECTOR DATE

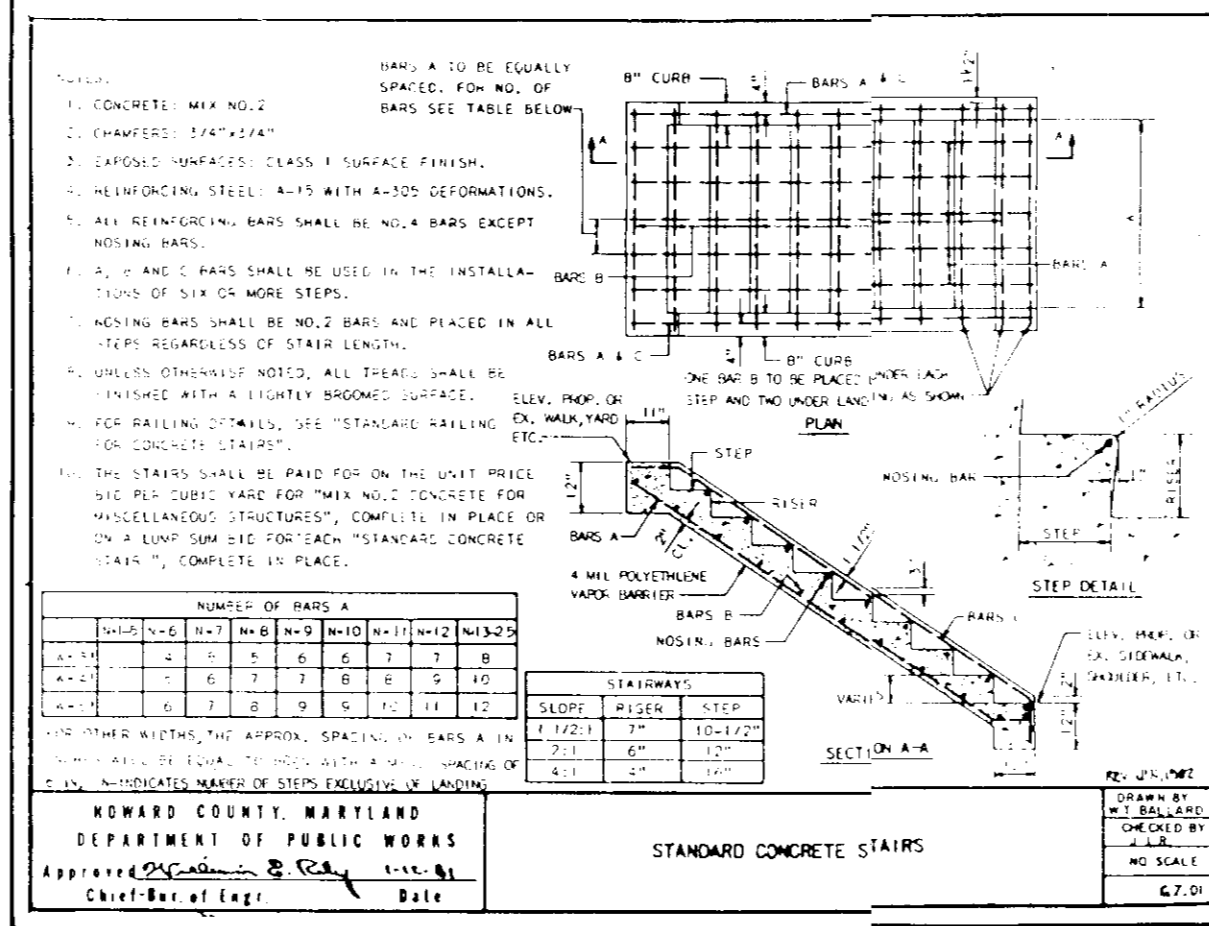
Mark J. DeWitt 8/13/91
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

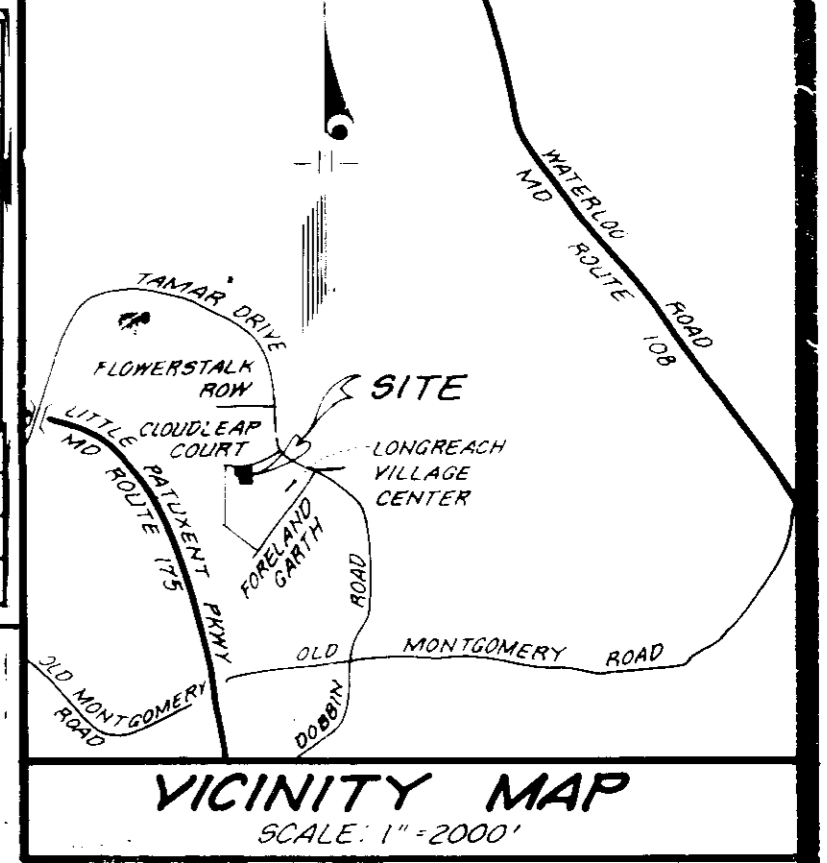
Paul D. Boyer 7/25/91
DIRECTOR DATE

Elizabeth Anderson Palco 7/24/91
CHIEF, BUREAU OF ENGINEERING DATE

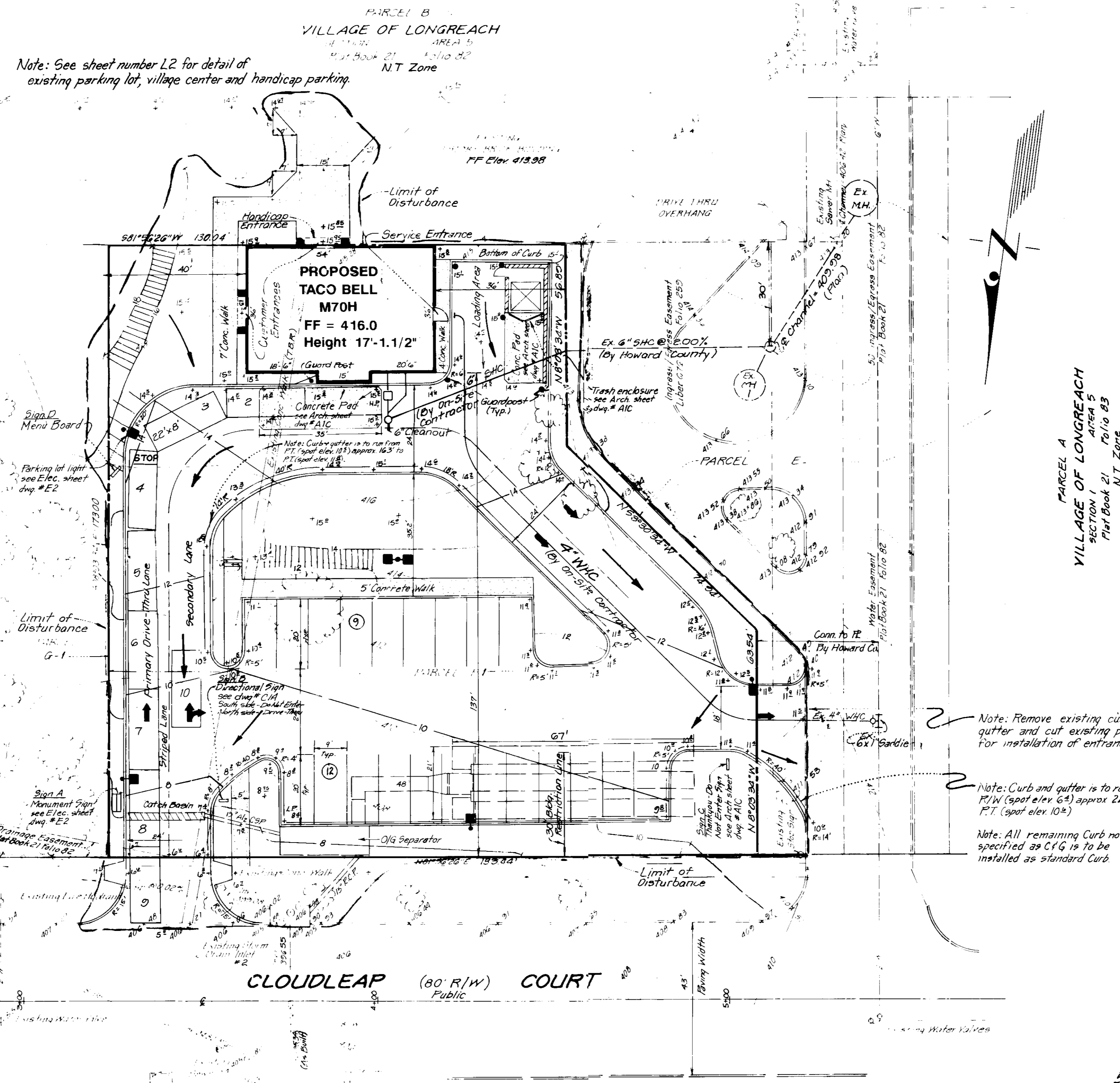
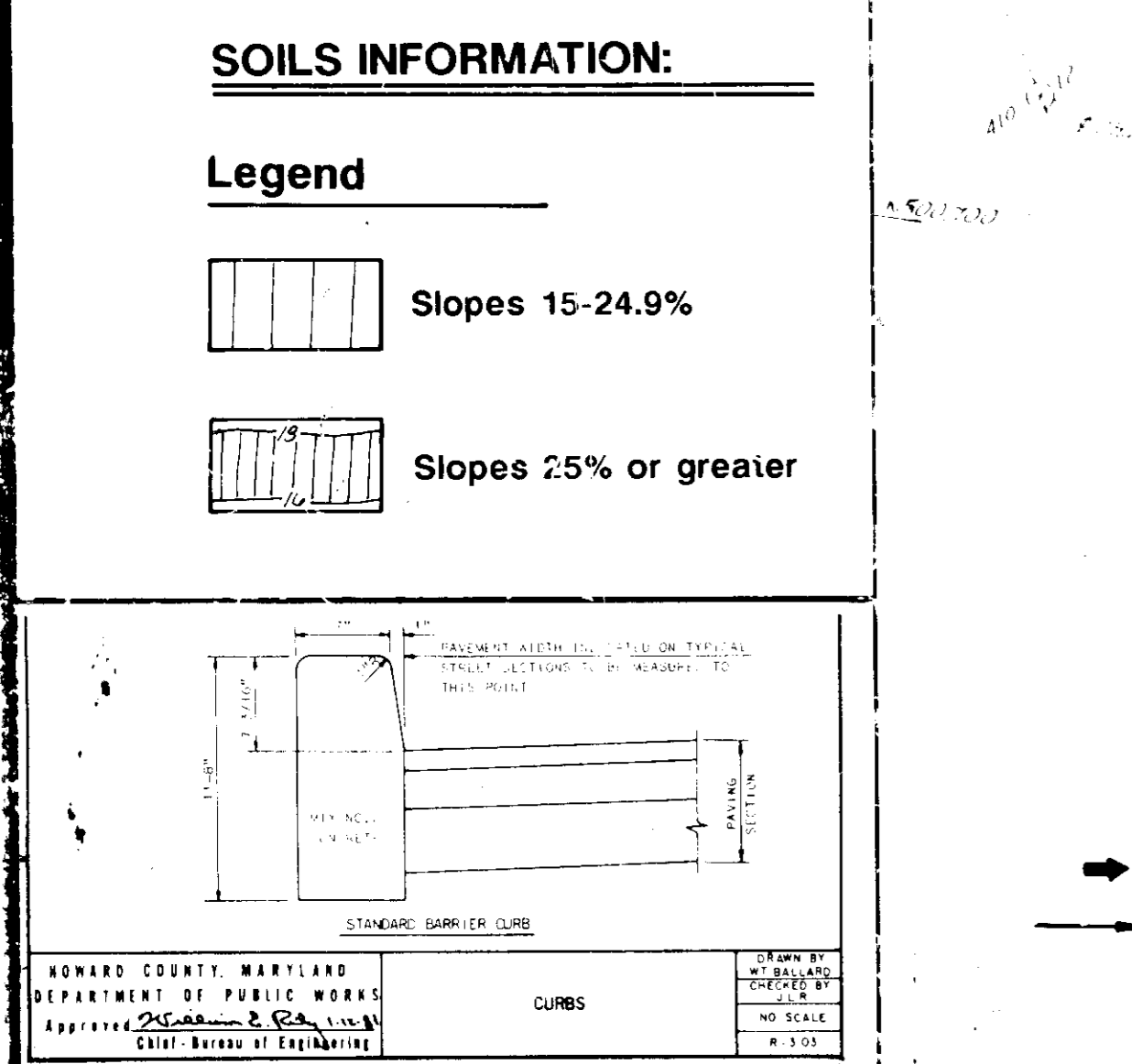
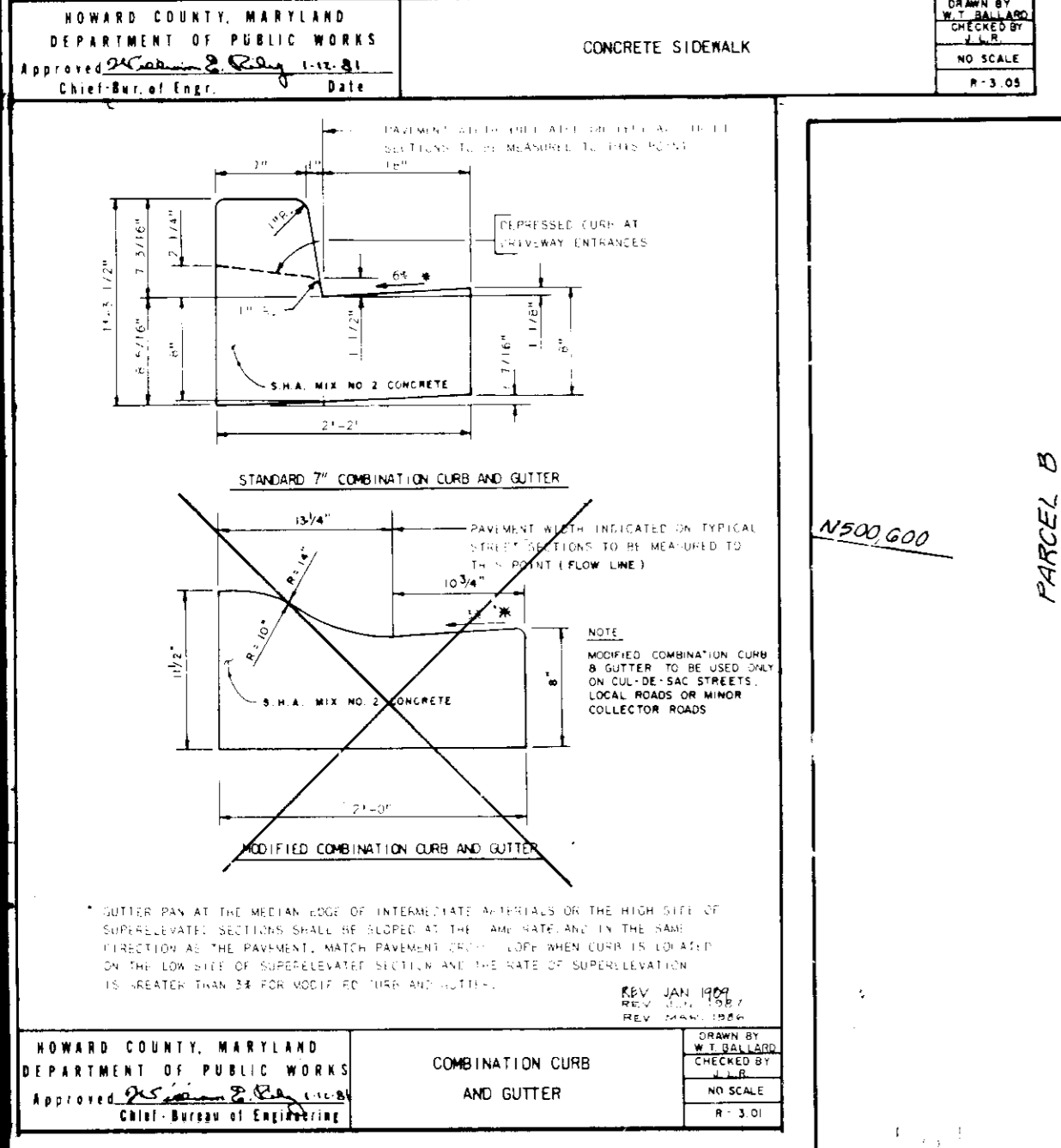
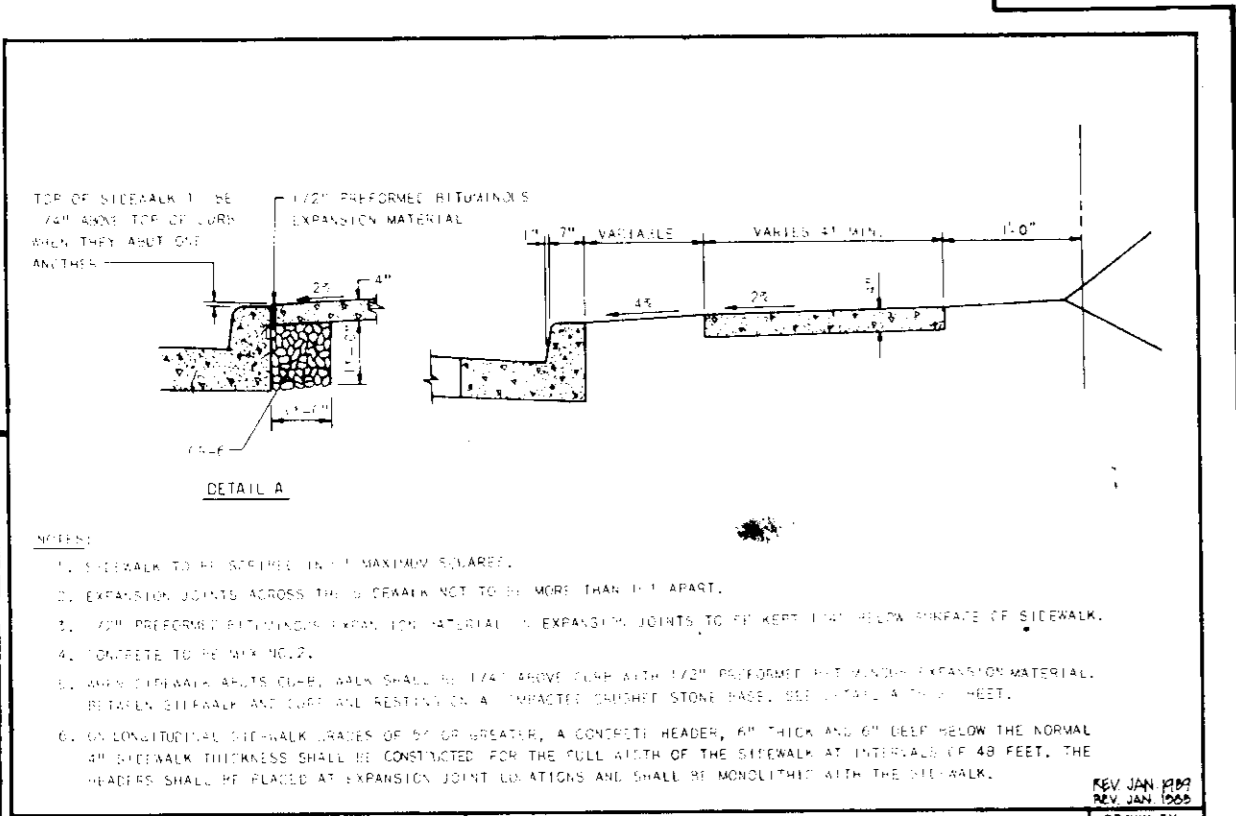
9 July 91



SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR BASE ALTERNATES
P-2	RESIDENTIAL ZONES LOCAL CURBS, SIDE ALLEYS AND PRIVATE ROADS SERVING INDIVIDUAL LOTS	1 1/2" BIT. CONC. SURFACE 5" BIT. CONC. BASE	1 1/2" BIT. CONC. SURFACE 2 1/2" BIT. CONC. BASE
	TRAVELWAYS APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH NO MORE THAN 10 HEAVY TRUCKS PER DAY	BY ENGINEER'S BASE COURSE 12 COURSES) OR 6" DENSE GRADED STABILIZED AGGREGATE BASE COURSE	



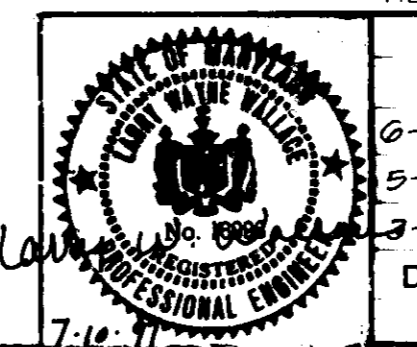
ADDRESS CHART	
LOT NUMBER	STREET ADDRESS
8785	Cloudleap Court



- SITE ANALYSIS
- This property is zoned NT and is subject to FDP Phase 106-A criteria for VLR, 1/5, Village Center. Planning Board approval is required for this SDP.
 - All surrounding property is zoned NT.
 - The building height is 17' 1 1/2".
 - The gross floor area of the building = 2,082 s.f.
 - The use of this property is for a fast food restaurant.
 - Maximum number of employees: 10
Number of Seat: 70
 - Parcel F-1 Gross Site Area (Surveyed): 27,293 sq. ft. or 0.6266 acres
Parcel F-1 Gross Site Area (Recorded): 0.647 ac.
 - Parcel F-1 area to be disturbed: 27,293 sq. ft. or 0.6266 acres
Additional area to be disturbed: 3,207 sq. ft. or 0.0734 acres
Total area to be disturbed: 30,500 sq. ft. or 0.7 acres
 - Parcel F-1 Open Space (green area) to remain on site: 8907 sq. ft. and 30.65% of net area.
 - Building coverage of site: 2,082 s.f. and 7.2% of gross area
 - Parking as required by the Planning Board and Section 127.B.2(b)(27) of the Zoning Regulations at a ratio of 1 space per 3 seats plus 1 space per 2 employees.
 - Parking Required: Parking as required by the Planning Board and Section 127.B.2(b)(27) of the Zoning Regulations at a ratio of 1 space per 3 seats plus 1 space per 2 employees.
- Generation:
- 70 seats at 1 space per 3 seats = 24
 - 10 employees at 1 space per 2 employees = 5
 - Total = 29 parking spaces of which 2 must be reserved for handicap
- Parking Provided: The 29 parking spaces, handicap included, are provided for Taco Bell by the Village Center's parking. (The 21 regular spaces (9' x 20') shown on our Site Plan are non-required additional parking.)
 - Loading Required: 1 space required
 - Loading Provided: 1 space provided (12' x 33')
 - All fill within the building to be Class I structural fill 95% of maximum dry density as determined by the modified Proctor procedure (ASTM-D-1557-78). All fill under pavement to be Class II structural fill (minimum 90% compaction). All landscape areas to be Class III.
 - Contract Reference No.: F71-65C
F91-97
F91-56

SITE PLAN
PARCEL F-1
COLUMBIA
VILLAGE OF LONGREACH
SECTION 1, AREA 5
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FAST FOOD RESTAURANT - TACO BELL

WATER CODE G-08, SEWER CODE 5335100
Total Surveyed Area: 27,293 sq. ft. or 0.6266 Ac. Recorded Area: 0.647 Ac. TAX MAP # 3G
RECORDING REFERENCE: 15-11-9777 CENBUS TRACT # 6086.02 F-91-97



6-12-91 Bid set to Lord & Waters
5-10-91 Rev. per County review comments
3-15-91 Bid set sent to arch

DATE DESCRIPTION REVISIONS

BY KEW
Jan 18, 1991

BINDYERAS, INC. ENGINEERING
10000 WOODBRIDGE DRIVE
GREENBELT, MD 20814
TEL: 301-441-1111

SGM
SGM
LF
BY KEW
9-0076
6-002-Y

TACO BELL

886

1 SITE PLAN

B.A.

M70H

C4-C01

2/20/91

SHEET NUMBER

C1

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

John M. Anderson, Jr. 8-6-91
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

James R. Roberts 8/9/91
 DIRECTOR DATE

Richard L. Simpson 7/25/91
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

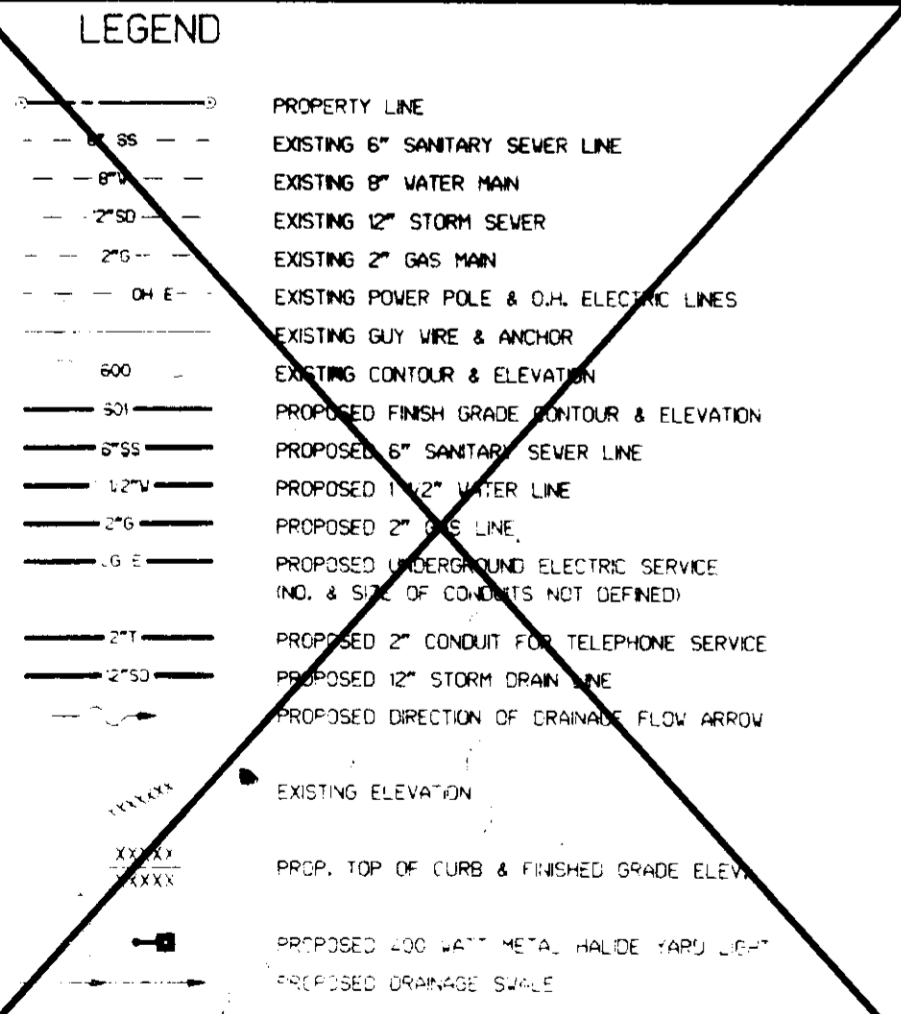
Richard L. Simpson 7/25/91
 DIRECTOR ACTING DATE

Elizabeth Anderson-Casper 7/24/91
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED
PLANNING BOARD
OF HOWARD COUNTY

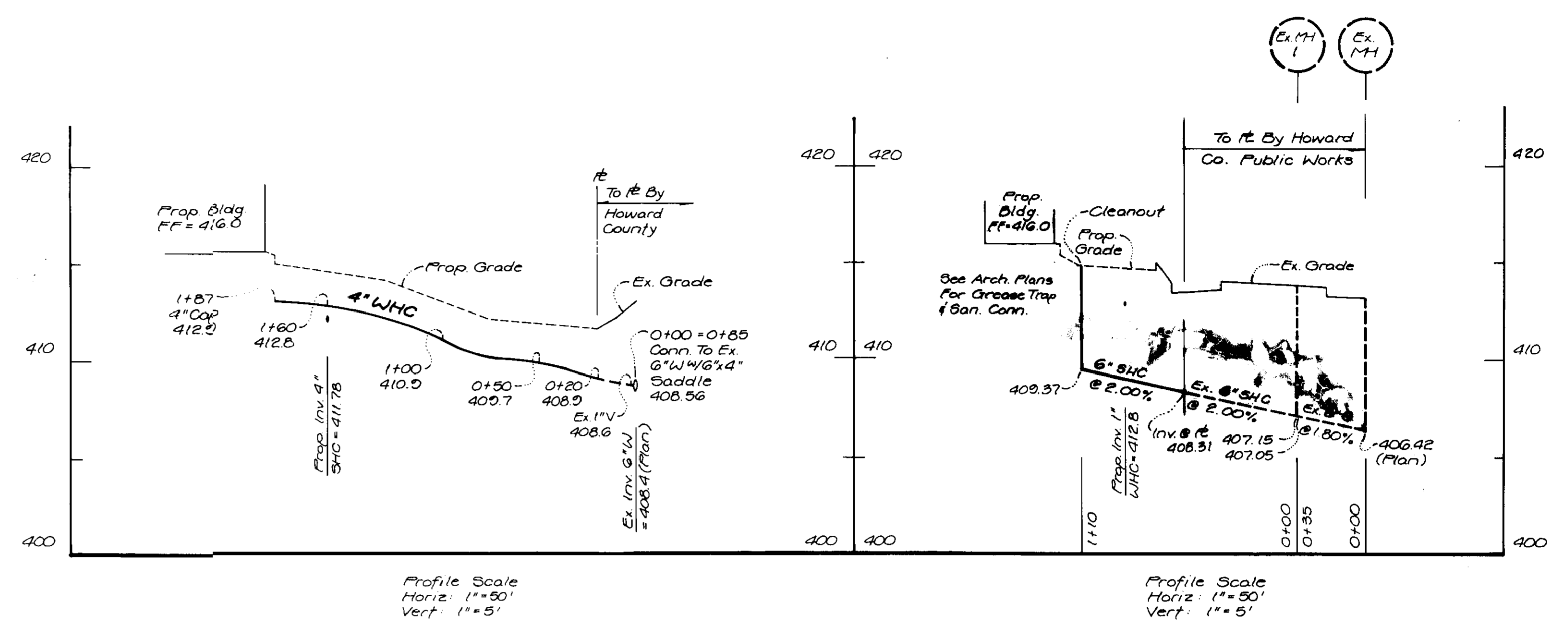
DATE: 9 July 91

- CONSTRUCTION NOTES**
- CONSTRUCT ASPHALT CONCRETE PAVEMENT AS SPECIFIED. STATE D.O.T. SPECIFICATIONS
 - CONSTRUCT 6" P.C.C. CURB PER DETAIL SHT. A/C.
 - CONSTRUCT 12" P.C.C. CURB & GUTTER PER DETAIL SHT. A/C.
 - CONSTRUCT P.C.C. SWALE PER DETAIL SHT. A/C.
 - CONSTRUCT P.C.C. CURB EDGE SIDEWALK PER DETAIL SHT. A/C.
 - CONSTRUCT P.C.C. SIDEWALK PER DETAIL SHT. A/C.
 - CONSTRUCT P.C.C. RAMP - MAX SLOPE 1/8" PER FOOT PER DETAIL SHT. A/C.
 - CONSTRUCT P.C.C. DEPRESSION RAMP PER DETAIL SHT. A/C.
 - CONSTRUCT 6" THK. P.C.C. PAD W/ 6"x6"-18" DIA. W/AL. CONST. 1/8" & 1/2" O.C. OVER CRUSHED AGG. OR GRAVEL BASE.
 - CONSTRUCT TRASH ENCLOSURE ON 6" P.C.C. PAD PER DETAIL SHT. A/C. TACO BELL POLE SIGN FOUNDATION BY SIGN SUPPLIER.
 - DOUBLE FACED ILLUMINATED DIRECTIONAL SIGN (SIGN FACE AS NOTED BY SIGN SUPPLIER, FOUNDATION 6" - PER DETAIL SHT. A/C.
 - MENU BOARD, SENSOR LOOP & SPEAKER PEDESTAL PER DETAIL BY SIGN SUPPLIER, FOUNDATION BY SIGN SUPPLIER PER DETAIL SHT. A/C.
 - INSTALL 400 WATT METAL HALIDE YARD LIGHT PER DETAIL SHT. A/C.
 - INSTALL GUARD POST PER DETAIL SHT. A/C.
 - INSTALL 6'-0" LONG P.C.C. WHEELSTOPS PER DETAIL SHT. A/C.
 - PAINT 24" HIGH LETTERS-WHITE.
 - PAINT TRAFFIC ARROWS-WHITE PER DETAIL SHT. A/C.
 - PAINT HANDICAP SYMBOL-WHITE ON BLUE BACKGROUND.
 - PAINT 1/2" WIDE SOLID STRIPES-WHITE.
 - LANDSCAPE AREA, SEE SHTS. L1, L2, & L3.
 - INSTALL TACO BELL FURNISHED CONCRETE TRASH RECEPTACLE.
 - INSTALL 1 GAL. GREASE TRAP PER DETAIL SHT. A/C.
 - CONSTRUCT CURB NOSE PER DETAIL SHT. A/C.
 - CONSTRUCT CURB AT DRIVE THRU WINDOW PER DETAIL SHT. A/C.
 - CONSTRUCT TYPICAL CATCH BASIN PER DETAIL SHT. A/C.
 - FLAG POLE PER DETAIL SHT. A/C.



DIRECTIONAL SIGN SCHEDULE (1)

A	ENTER	J	DRIVE-THRU ONLY
B	EXIT	K	THANK YOU
C	ENTER	L	WELCOME
D	EXIT	M	RIGHT TURN ONLY
E	ENTER ONLY	N	LEFT TURN ONLY
F	EXIT ONLY	O	BUS STOP
G	NO PARKING	P	NO PARKING
H	NO PARKING	Q	NO PARKING
I	NO PARKING	R	NO PARKING



ON-SITE WATER & SEWER PROFILE

PARCEL F1
COLUMBIA
 VILLAGE OF LONGREACH
 SECTION 1, AREA 5
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FAST FOOD RESTAURANT - TACO BELL

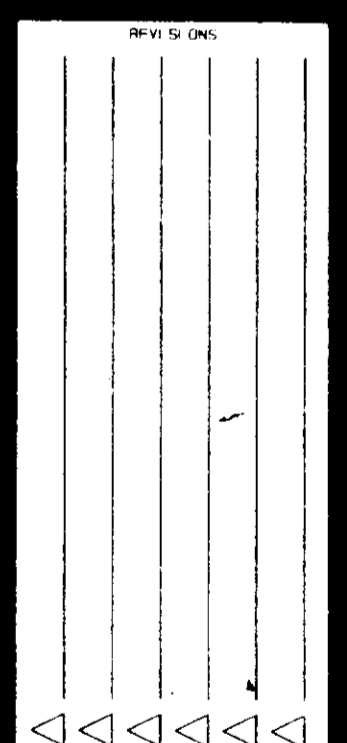
TOTAL Surveyed Area: 27,223 sq. ft. or 0.6266 Ac. Recorded Area: 0.647 Ac.
 WATER CODE G-08, SEWER CODE S339100 TAX MAP # 36
 RECORDING REFERENCE: PLAT 9737 CENSUS TRACT # 6066.02 F-91-97

CHECKED BY: Steve Cone/Larry Wallace	DESIGNED BY: Malcolm Walker	DRAWN BY: Malcolm Walker
6-12-91	Did set to Lord & Waters	96M
8-10-91	Rev per County review comments	36M
8-22-91	Revise SHC Per HND. Sepias To Arch.	(16)
3-15-91	Did set sepias to arch.	LF
DATE	DESCRIPTION	BY
7-10-91	As Noted	KEW
DATE	DESCRIPTION	BY
February 6, 2001	7-002-Y	KEW



© TACO BELL 1989
 THE DESIGN AND DETAILS DESCRIBED HEREIN ARE THE EXCLUSIVE PROPERTY OF TACO BELL AND SHALL NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF THE DIRECTOR OF ARCHITECTURE & ENGINEERING.

ON-SITE WATER & SEWER PROFILE



DATE: 8/9/91
 DRAWN BY: B.A.
 M70H

04-601

2/26/91

SHEET NUMBER
C3

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

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

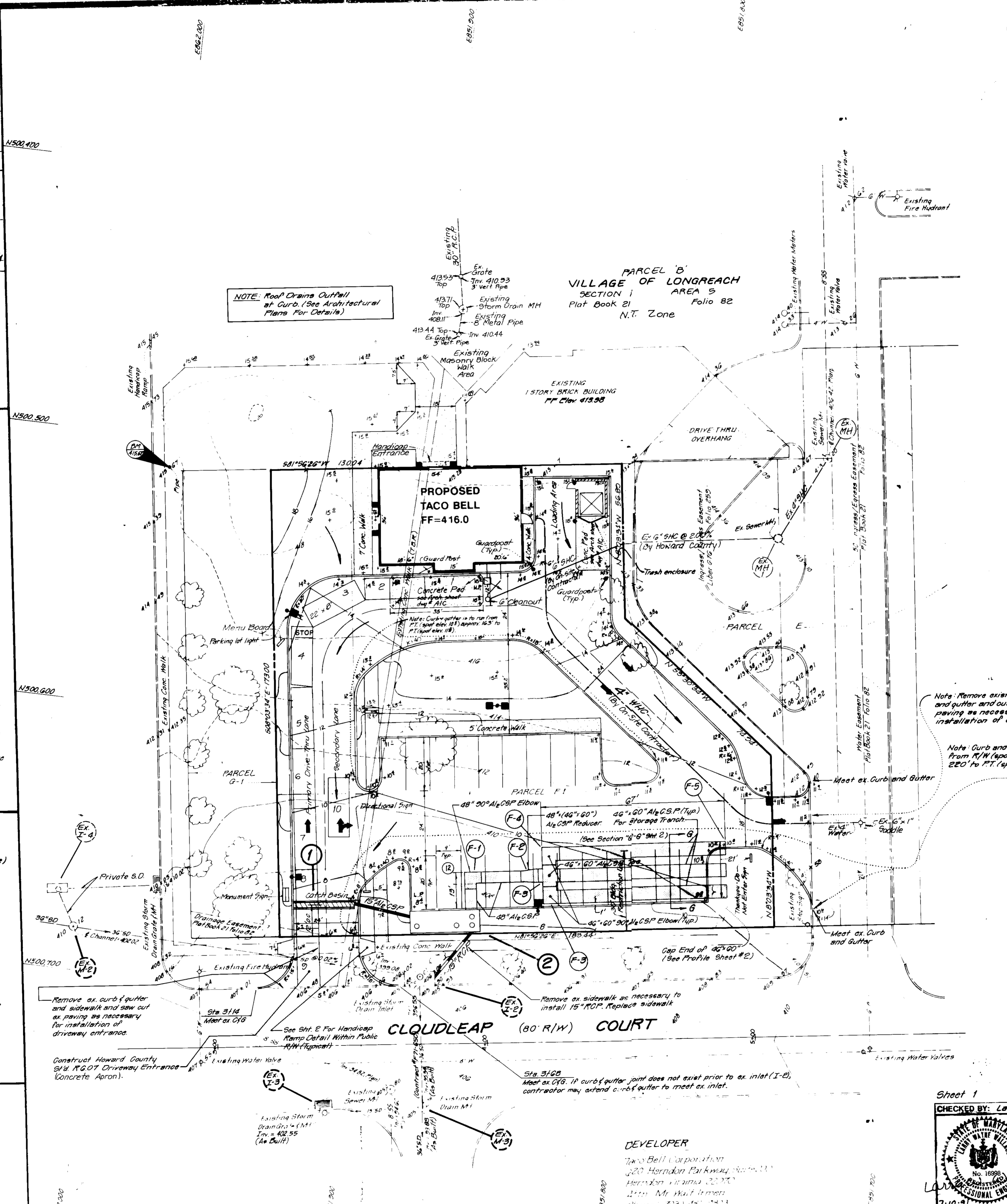
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

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

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

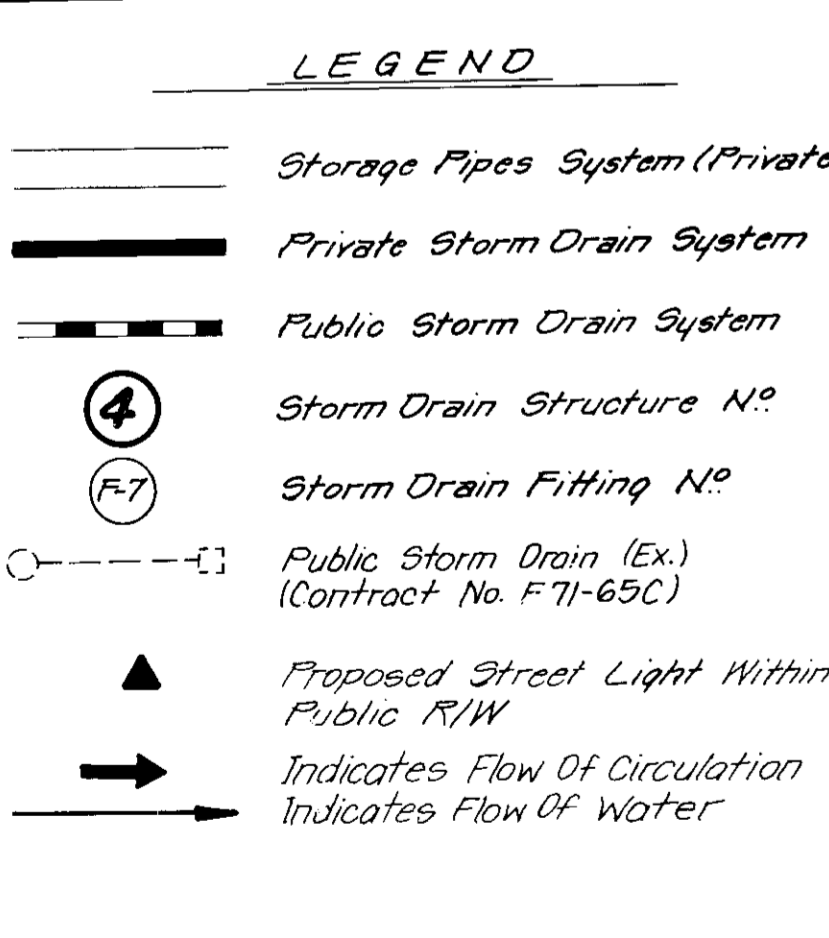
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

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



**PRIVATE STORM DRAIN,
STORMWATER MANAGEMENT
&
PUBLIC PAVING PLAN**
PARCEL F-1
COLUMBIA
VILLAGE OF LONGREACH
SECTION 1, AREA 5
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FAST FOOD RESTAURANT - TACO BELL

- GENERAL STORM DRAIN AND PAVING NOTES**
- All storm drains shall be constructed in accordance with the Howard County standard specifications and details for construction.
 - Type of structure refers to the latest Howard County standard specifications and details for construction.
 - Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings well in advance of trenching. If clearances are less than shown on this plan or twelve (12) inches, whichever is less, contact the Howard County Department of Public Works and the inspecting engineer before proceeding with construction.
 - Remove all unsuitable material and backfill with compacted bank run gravel to provide firm bearing for storm drain pipe.
 - Call "Miss Utility" at 1-800-257-7777 forty-eight (48) hours prior to beginning excavation to determine the location of existing facilities.
 - The "Miss Utility" Verification Number (ticket number) must be updated every ten (10) days.
 - All combination curb and gutter shall conform to Howard County standard R-3.01.
 - All sidewalks shall conform to Howard County standard R-3.05.
 - Contractor shall be responsible for any damage within the public right-of-way during on-site development.
 - Street lights shall be installed in accordance with the latest edition of the Howard County Road and Bridge Design Manual for a major collector.
 - Contract Reference No's: F-71-65C, F-91-97, F-91-98



UTILITY CERTIFICATION

I hereby certify that the existing or proposed underground utility information shown hereon has been correctly duplicated from utility company records. Further, that this project has been carefully coordinated with each involved utility company and all available underground utility information relative to this plan has been solicited from them.

Sheet 1

Checked by: Larry Wallace

DESIGNED BY: Paul Woodburn

DRAWN BY: Bryan Ward

DATE	DESCRIPTION	BY
0-12-91	Did get to Lord & Waters	SGM
5-10-91	Rev. per County review comments	SGM
3-15-91	Did get sepos to arch	LF
7-10-91		

WATER CODE G-08, SEWER CODE 5885100
TAX MAP # 36
CENSUS TRACT # 6066.02 F-91-97

TOTAL Surveyed Area: 27,203 sq ft 0.6266 ac
Recorded Area: 0.647 ac
RECORDING REFERENCE: 12 AT 9697

8100 PROFESSIONAL PLACE, LANDOVER, MARYLAND 20785
BEN DYER ASSOCIATES, INC.
ENGINEERS SURVEYORS PLANNERS
TELEPHONE: (301) 459-9200

DATE: January, 1991
TIME: 8:00-1-Y

PRIVATE STORM DRAIN
STORMWATER MANAGEMENT
PUBLIC PAVING PLAN

DATE: 2/20/91

SHEET NUMBER: C4

SPR91-98

APPROVED: *[Signature]* DATE: 7/10/91
 COUNTY HEALTH OFFICER
 APPROVED: *[Signature]* DATE: 7/10/91
 HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 ENGINEER: *[Signature]* DATE: 7/10/91
 CIVIL ENGINEER

CONCRETE OIL/GRIT SEPARATORS

GENERAL NOTES:
 1. Use approved in place concrete for the entire structure. The structure must be constructed in 3 concrete pours. Pour No. 1 shall be the base slab, No. 2 shall be the vertical walls, and No. 3 shall be the top slab. If the structure is to be placed in a trench, the trench walls must be submitted to the Howard County Department of Public Works for review and approval before fabrication begins.
 2. Refer to Maryland State Highway Administration for materials and methods of construction.
 3. All dimensions shall be as follows:
 a. Minimum thickness 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.
 b. Minimum thickness at 28 days.
 c. For details not listed in this standard, refer to Howard County standard nos. 03.26, 03.27, and 03.28.
 4. The top surface of walls may be brick masonry for leveling if prepared. Brick masonry shall comply with the latest SNA Specification.

CONSTRUCTION NOTES:

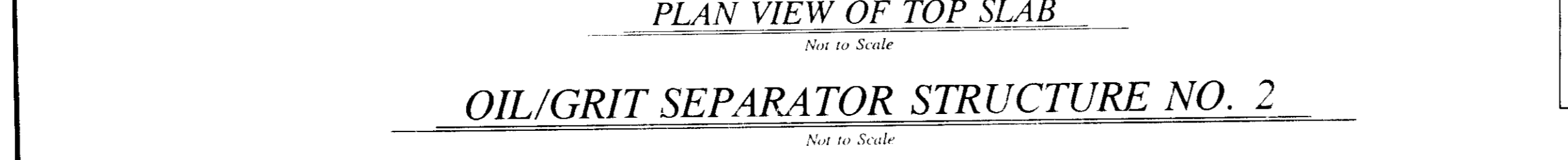
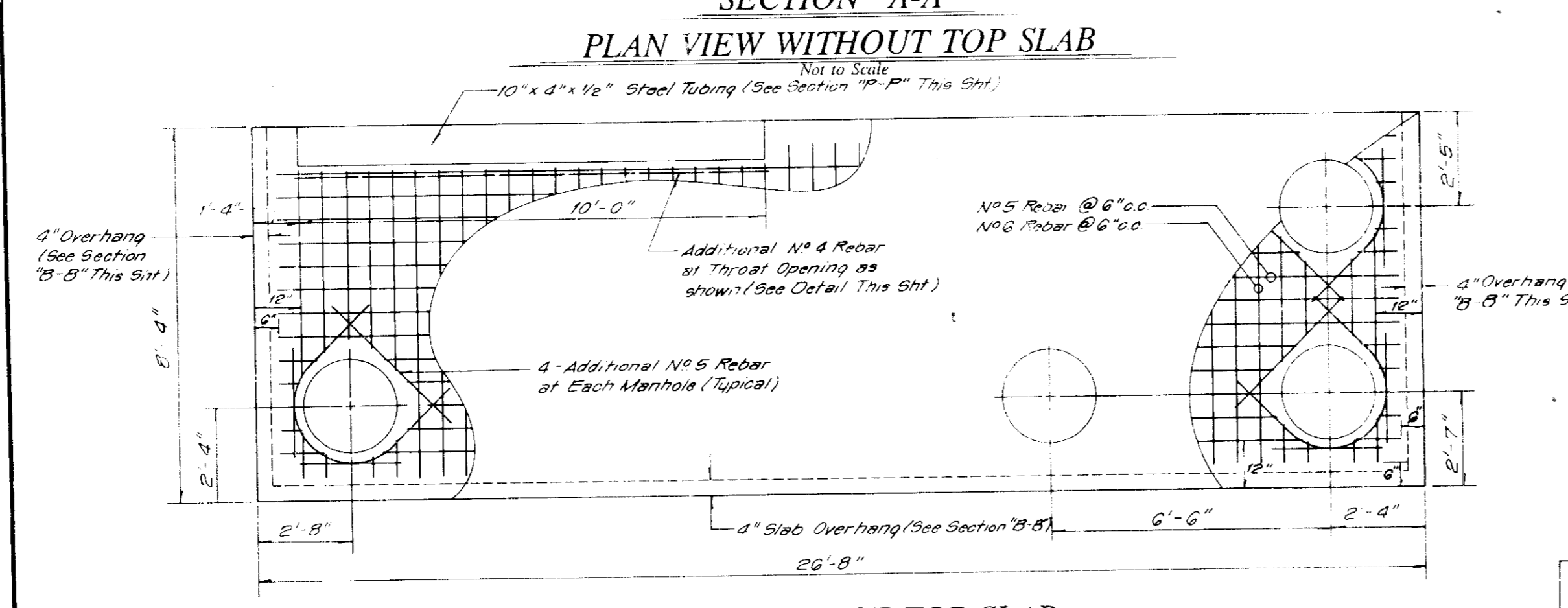
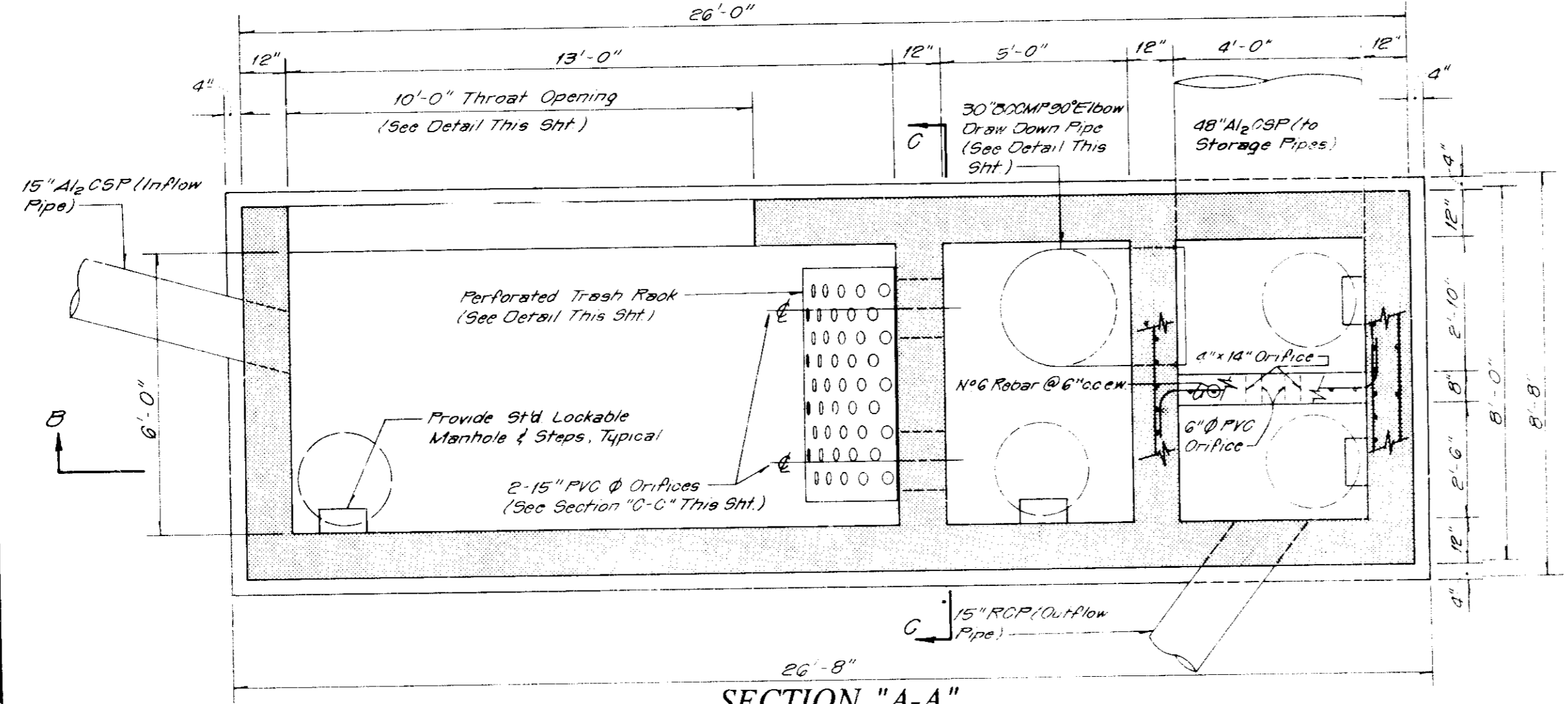
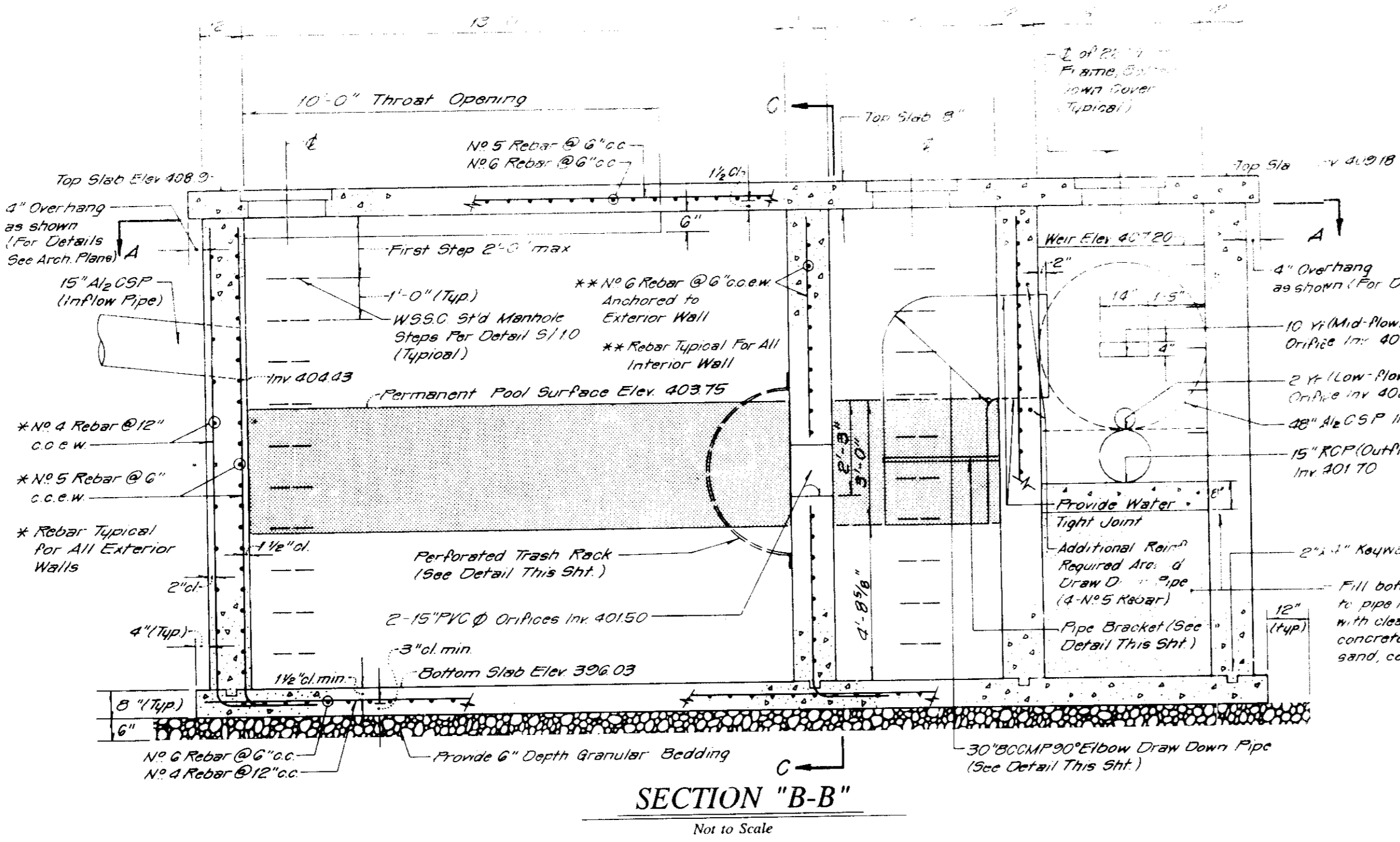
1. Silt and debris shall not be allowed to enter the structures until contributing drainage areas have been permanently stabilized.
 2. All openings to structures shall be protected with the appropriate sediment control measures during construction.

INSPECTION NOTES:

1. Notify the construction on water quality structures, the Howard County inspector must be called 48 hours in advance.
 2. The Howard County inspector must be notified of each of the following activities:
 a. Placement of equipment for footings.
 b. Formwork, rebar and steel set prior to pouring.
 c. Slab curing, forms removed and steel set prior to pouring.
 d. Top slab and manholes being set. Howard County inspector must check structure and all debris and all debris removed.
 e. When work is permanently stabilized and sediment control measures to protect site are to be removed.

MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASI):

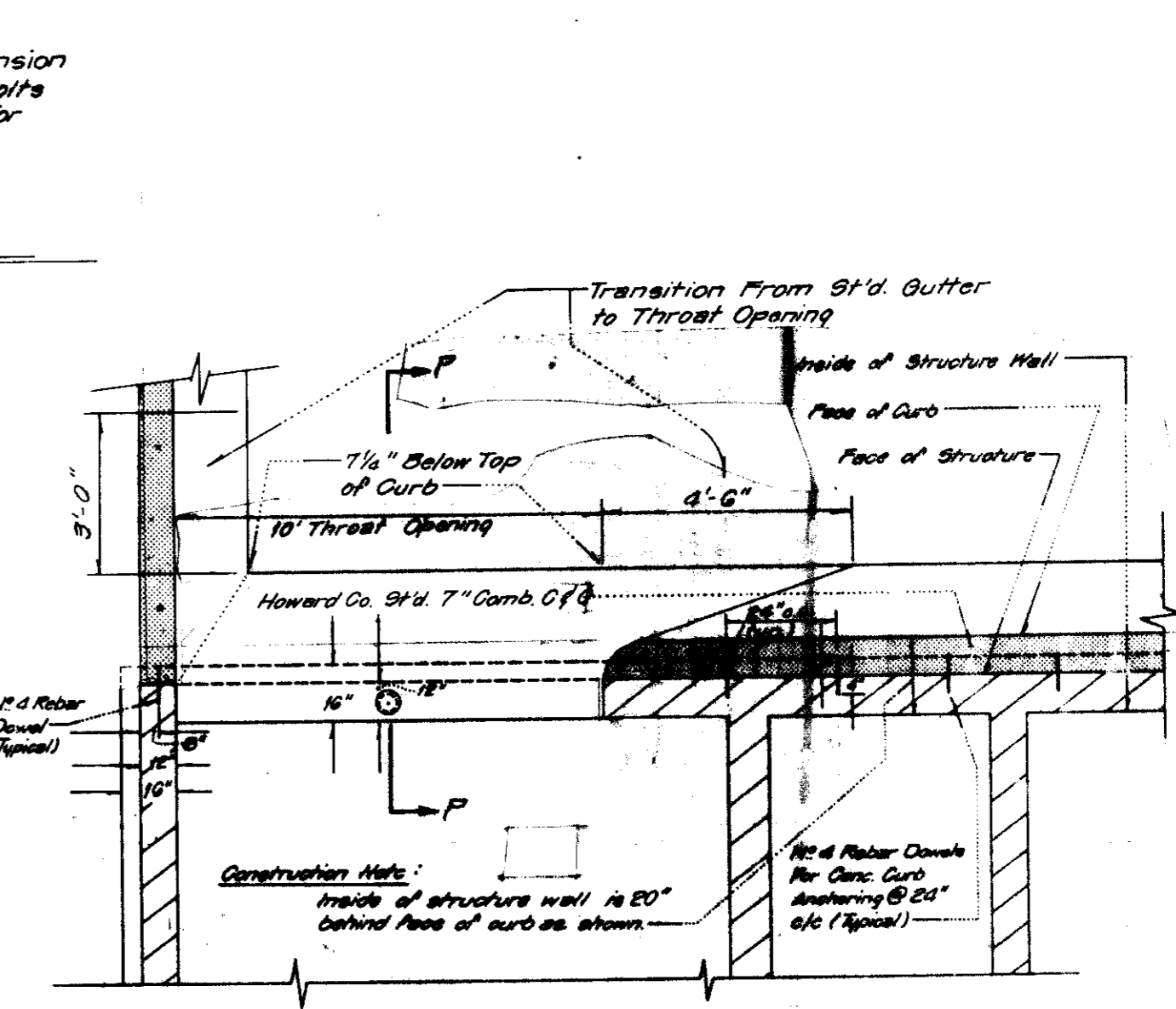
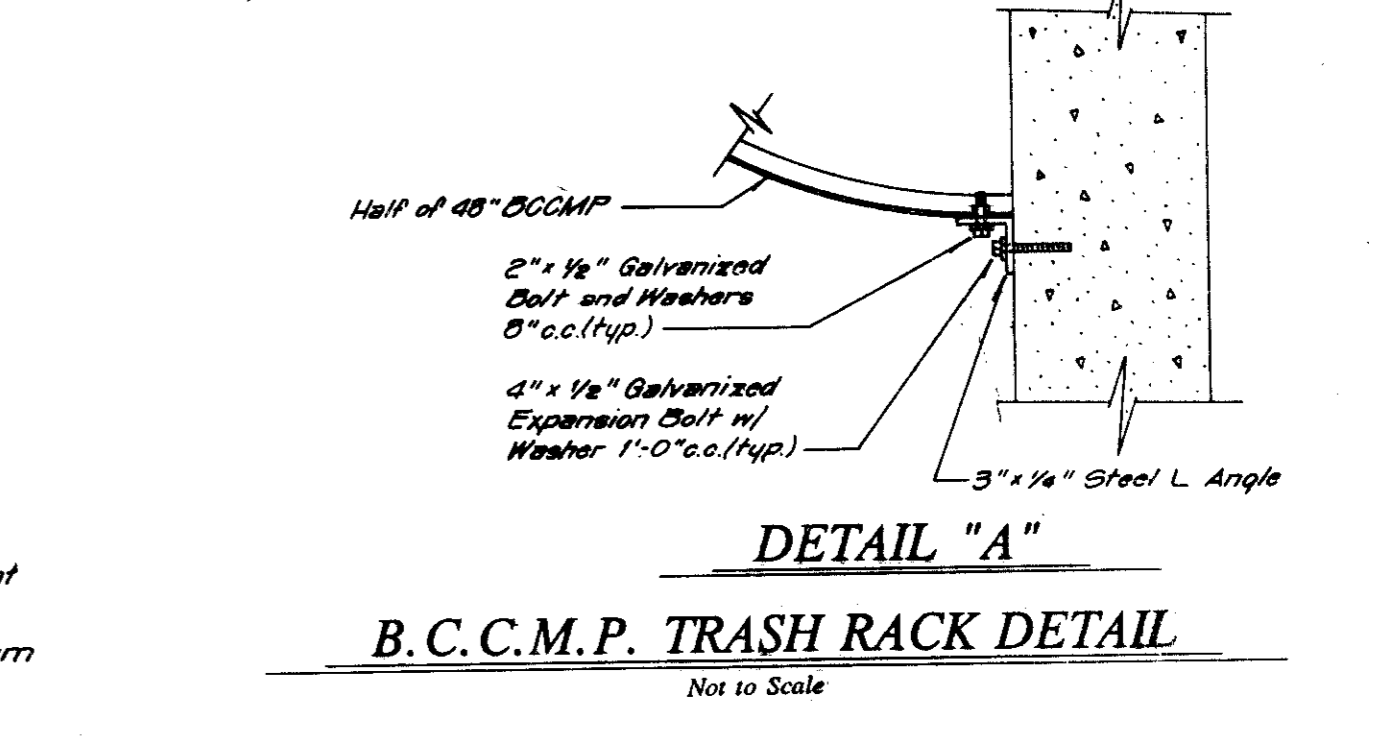
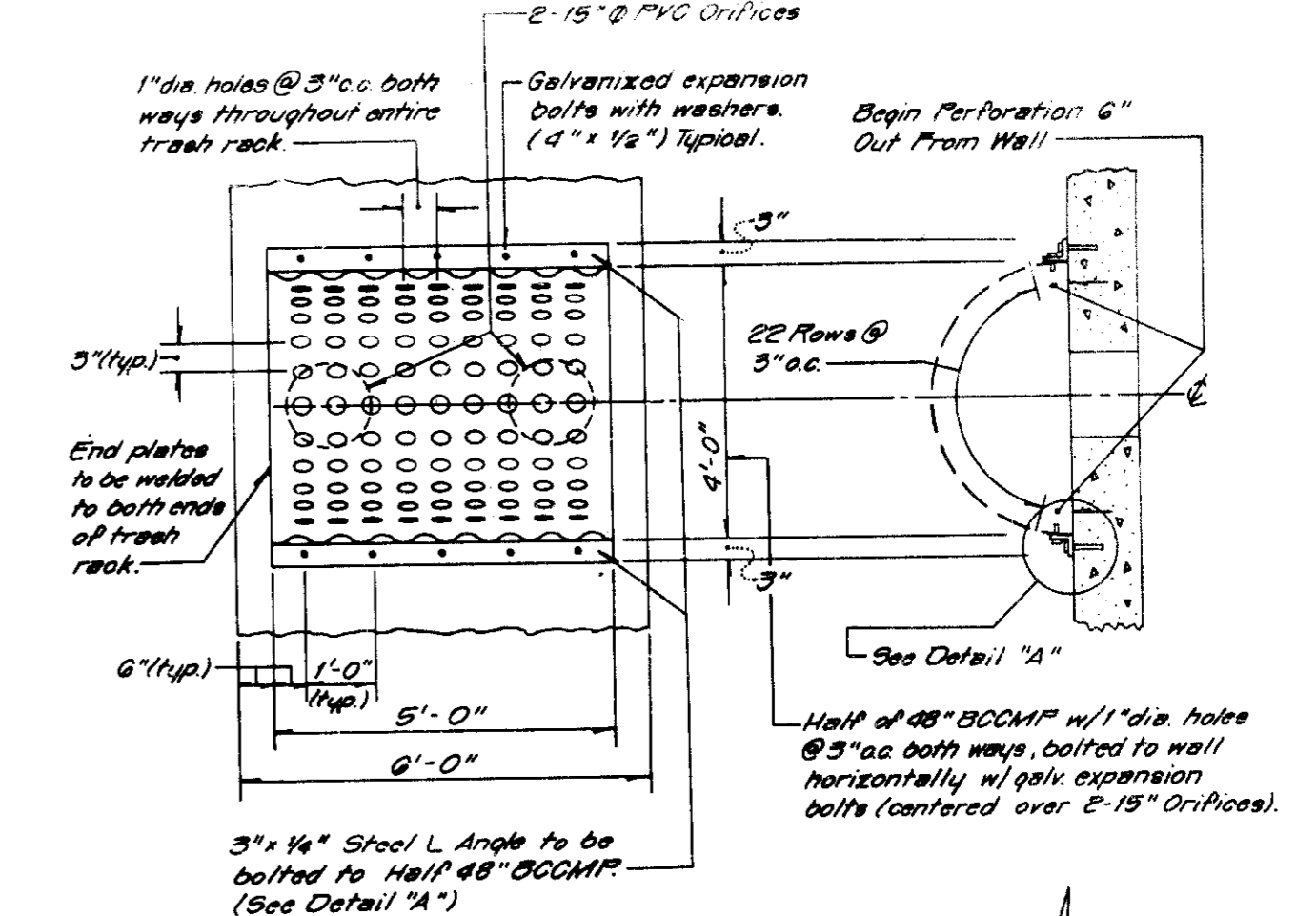
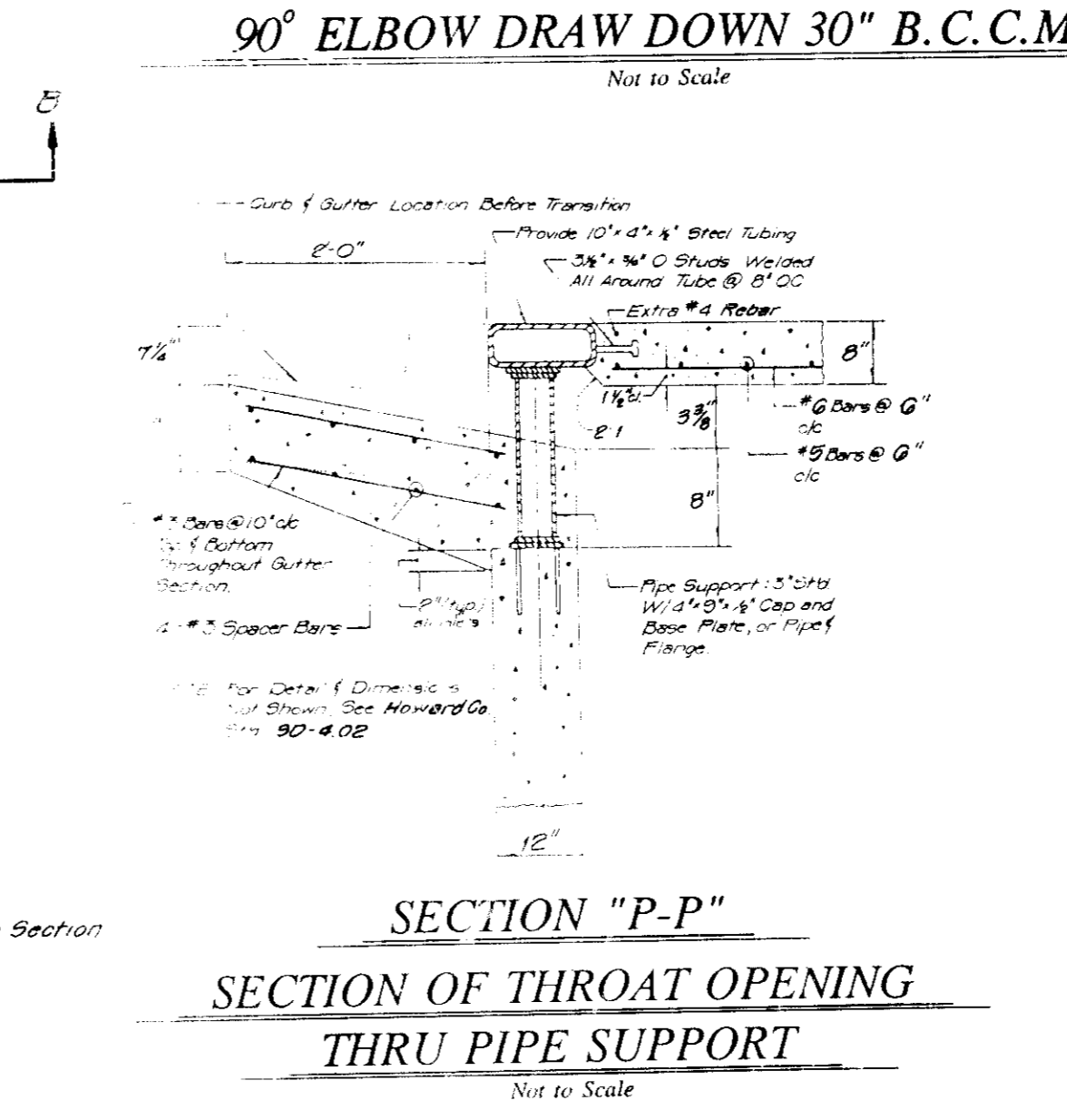
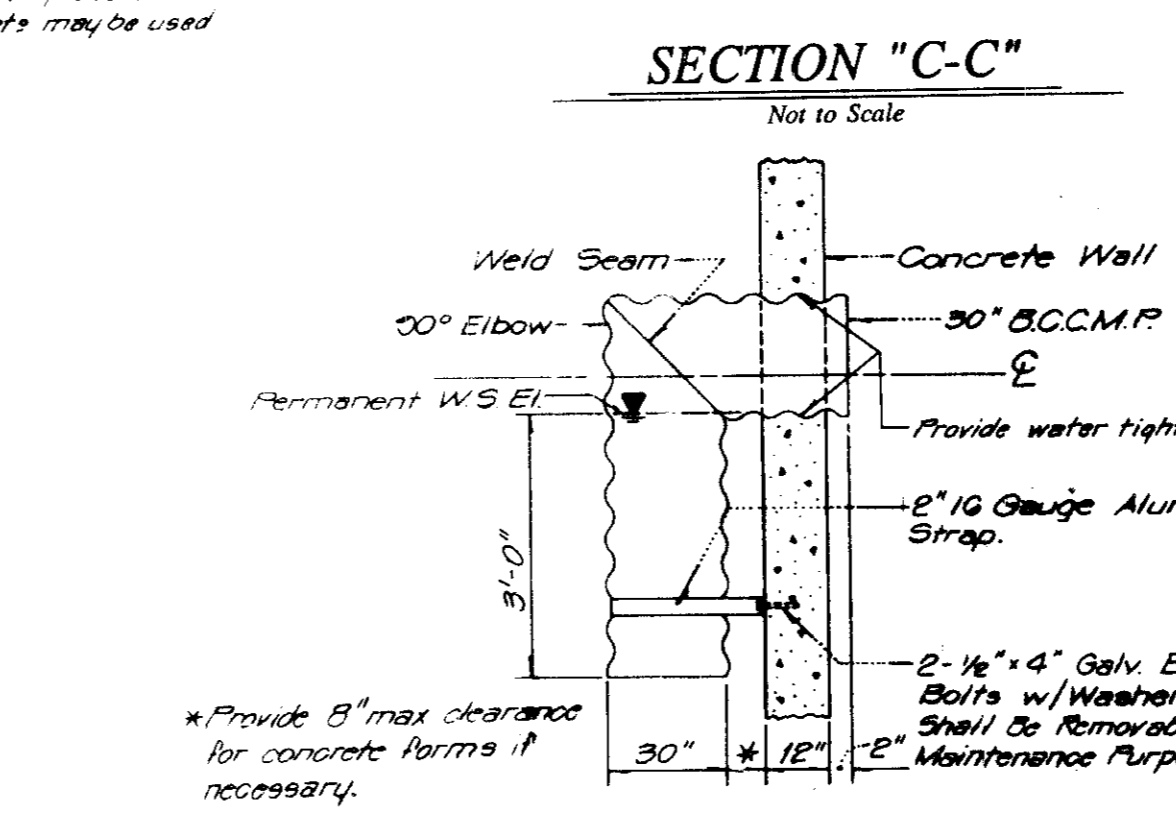
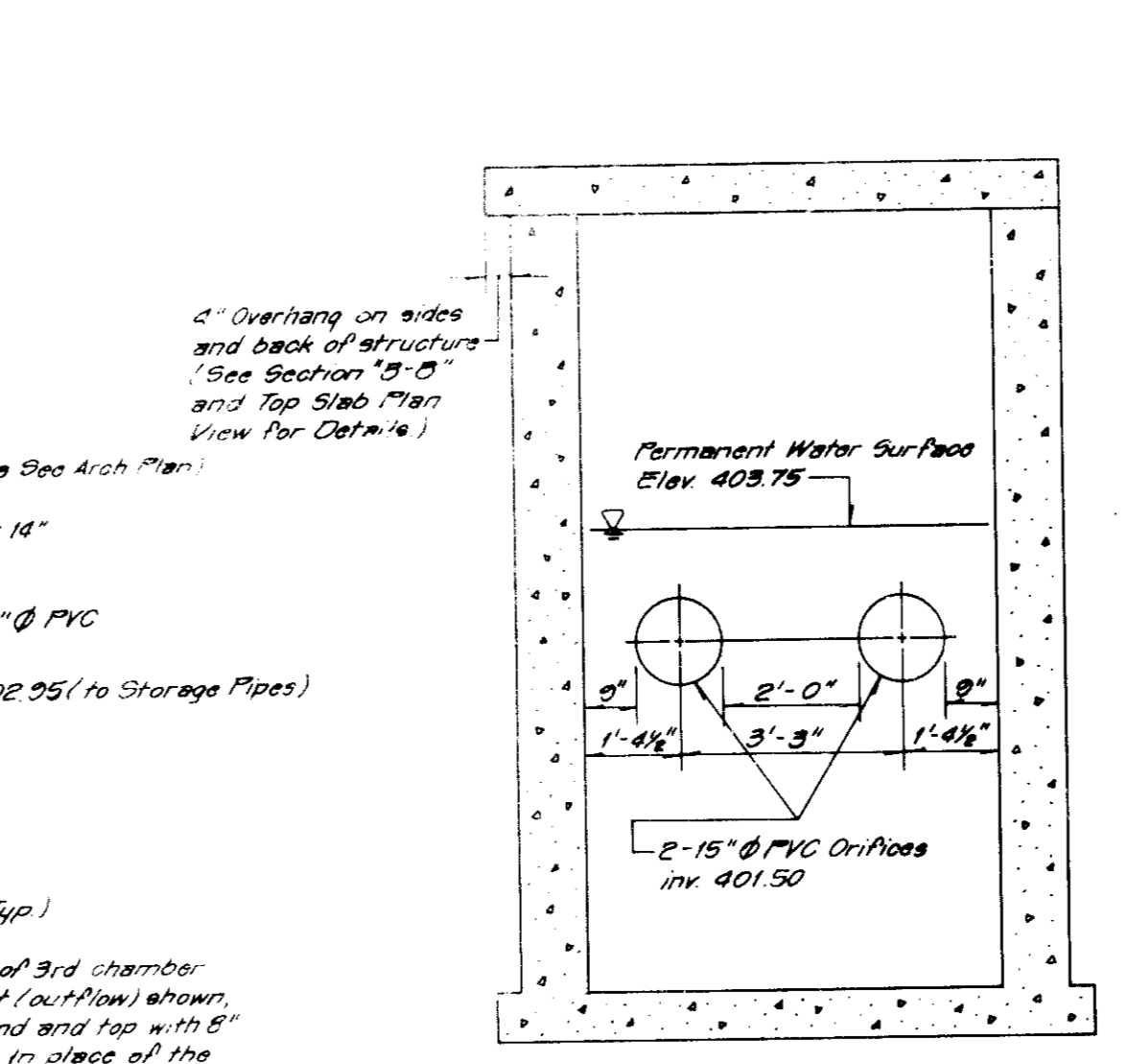
1. Water quality structures will require periodic cleaning. Owners of these structures will be notified when cleaning is needed or on a frequency that the County deems appropriate. Owners of water quality structures will be notified on a frequency of the frequency of maintenance.
 2. Maintenance of these facilities will consist of cleaning out the separator and replacing the grate and the repair of the facility as needed. Periodic replacement of these facilities will be made by the County Stormwater Maintenance Group.
 3. The collection of the liquid and solid matter should be as follows:
 a. All liquid material in the separator inlet shall be pumped into a collection tank and disposed of at an approved sanitary district.
 b. All large material or be taken to an approved sewage treatment plant for discharge.
 c. The solid material shall be landfilled in an approved sanitary landfill.
 4. The manholes, man racks, grates, and structural parts shall be repaired as needed.



OIL/GRIT SEPARATOR STRUCTURE NO. 2
Not to Scale

STREET NUMBER	DRAIN AREA	VOL. (CU FT)	VOL. (GAL)	DIMENSIONS										30" ELBOW	THROAT LENGTH	TOP SLAB ELEV.
				A1	A2	B1	B2	C	D	E	F	G	H			
0012	0.83 AC	780 CF	894 GAL	26'-0"	8'-4"	8'-0"	13'-0"	6'-0"	4'-0"	15'-2"	3'-0"	53	403.75	10'	405.18	378.0

NOTES:
 For storm drain inverts, see storm drain profiles.
 Storage required = 780 CF
 (total storage computed to depth 10')
 7/10/91



OIL/GRIT SEPARATOR PLAN VIEW WITH CURB & GUTTER CONSTRUCTION LOCATION
Not to Scale

NOTE:
 All metal surfaces to have one shop coat & one field coat w/ battleship gray or an approved paint in accordance w/ WSSC #18 spec 02900 for submerged metal coating system No. 1.

PRIVATE STORM DRAIN DETAILS

PARCEL F1
COLUMBIA VILLAGE OF LONGREACH
 SECTION 1, AREA 5
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FAST FOOD RESTAURANT - TACO BELL

Sheet 3
 CHECKED BY: Larry Wallace
 DRAWN BY: Bryan Ward
 7/10/91
 TACO BELL ASSOCIATES, INC.
 1100 PROFESSIONAL PLAZA, LANDOVER, MARYLAND 20785
 TEL: (301) 486-9200
 FAX: (301) 486-9200
 J-20076
 B-003-Y



© TACO BELL 1989
 THE DESIGN AND DETAILS DESCRIBED HEREIN ARE THE EXCLUSIVE PROPERTY OF TACO BELL AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM WITHOUT THE WRITTEN CONSENT OF TACO BELL.

PRIVATE STORM DRAIN DETAILS

DATE: 7/10/91
BY: B.A.
M70H
04-001
2/26/91
SHEET NUMBER
C6

7/10/91
 SDP-91-98

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

County Health Officer: *James M. Boyd* DATE: *8/2/91*

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

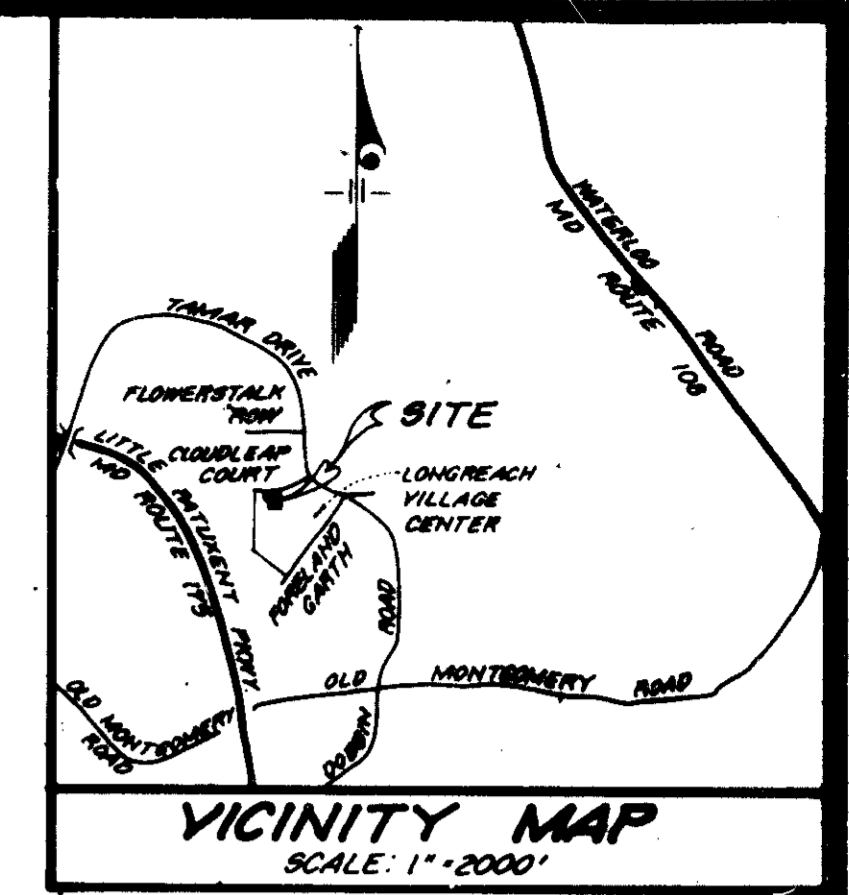
Director: *James M. Boyd* DATE: *8/2/91*

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT: *JA* DATE: *7/25/91*

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

Director: *James M. Boyd* DATE: *7/25/91*

Chief (Bureau of Engineering): *Elizabeth Anderson* DATE: *7/24/91*



NOTE: Roof Drains Outfall at Curb (See Architectural Plans For Details)

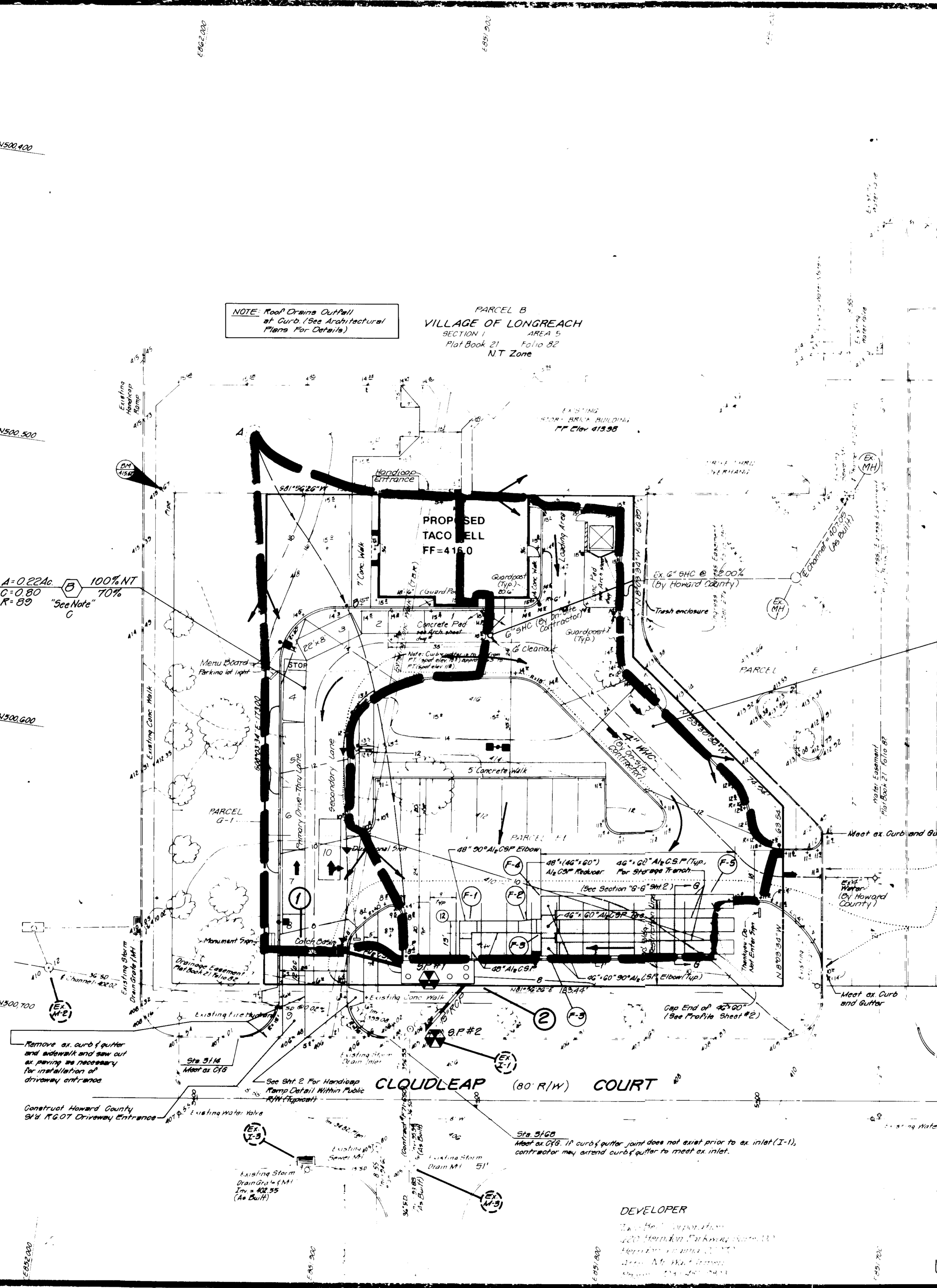
PARCEL B
VILLAGE OF LONGREACH
SECTION 1, AREA 5
Plot Book 21, Folio 82
NT Zone

GENERAL STORM DRAIN AND PAVING NOTES

- All storm drains shall be constructed in accordance with the Howard County standard specifications and details for construction.
- Type of structure refers to the latest Howard County standard specifications and details for construction.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location and elevation of the mains by digging test pits by hand at all utility crossings well in advance of trenching. If clearances are less than shown on this plan or twelve (12) inches, whichever is less, contact the Howard County Department of Public Works and the inspecting engineer before proceeding with construction.
- Remove all unsuitable material and backfill with compacted bank run gravel to provide firm bearing for storm drain pipe.
- Call "Miss Utility" at 1-800-957-7777 forty-eight (48) hours prior to beginning excavation to determine the location of existing facilities.
- The "Miss Utility" Verification Number (ticket number) must be updated every ten (10) days.
- All combination curb and gutter shall conform to Howard County standard R-3.01.
- All sidewalks shall conform to Howard County standard R-3.05.
- Contractor shall be responsible for any damage within the public right-of-way during on-site development.

LEGEND

- Storage Pipes System (Private)
- Private Storm Drain System
- Public Storm Drain System
- Storm Drain Structure No.
- Storm Drain Fitting No.
- Ex. To Flow Path
- Prop To Flow Path
- Prop Drainage Divide
- Flow Arrows
- Ex. Storm Drain System
- Indicates Flow Of Circulation
- Indicates Flow Of Water



NOTE "C": Both Ex. and Prop. Runoff From Site Will Concentrate @ Ex. Inlet (I-2). Therefore, The Entire Site Area (0.67 Ac) is Used, Under Both Ex. and Prop. Conditions To Size The Underground SWM Facility.

NOTE: On-Site Soils Are Classified as Or-C₂ (Group C). Existing Cover is Kentucky Blue Grass.

This Plan Is To Be Used For Drainage Area Divides Only

DRAINAGE AREA MAP

PARCEL F-1
COLUMBIA
VILLAGE OF LONGREACH
SECTION 1, AREA 5
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
FAST FOOD RESTAURANT - TACO BELL

Sheet 4

WATER CODE G-08, SEWER CODE 9339100
TAX MAP # 36
GENSUS TRACT # 6066.02 F-01-97

Total Surveyed Area: 27,203 ± 0.6266 ac
Recorded Area: 0.647 ac
RECORDING REFERENCE: PLAT: 9737

CHECKED BY:	DESIGNED BY: Paul Woodburn	DRAWN BY: Bryan Ward
6-18-91 Bid set to Lord & Waters	96M	
9-10-91 Rev per County review comments	96M	
3-15-91 Bid set seps to arch.	JF	
DATE: 7-10-91	DESCRIPTION: REVISIONS	BY: B.W. / L.W.
SCALE: 1" = 20'	RECORDED: JF-90076	DATE: January, 1991
		8:00-4-Y

TACO BELL 1989

DRAINAGE AREA MAP

M704

04-001

2/26/91

SHEET NUMBER

C7

SDR-91-18

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

James M. Boyd 8-6-91
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

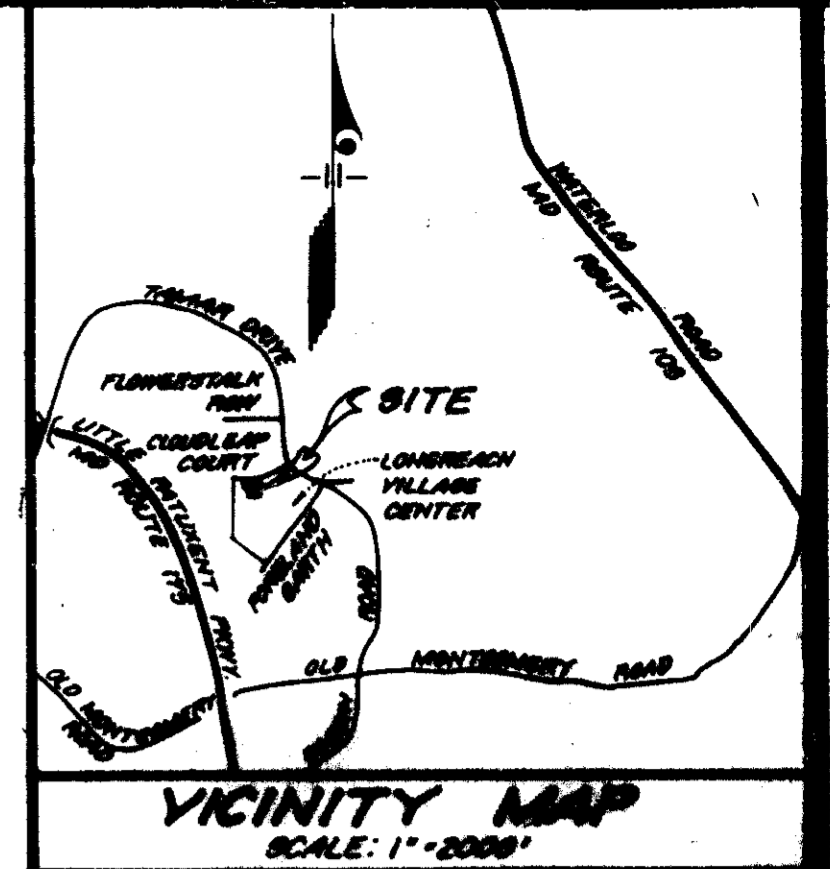
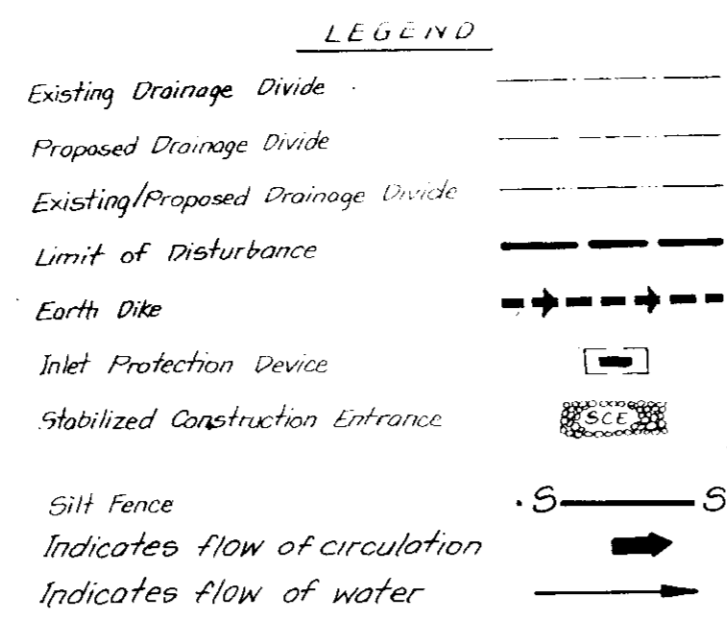
James S. Scott 8/9/91
DIRECTOR DATE

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

Donald E. Spon 7/25/91
DIRECTOR DATE

Charles Anderson 7/21/91
CHIEF, BUREAU OF ENGINEERING DATE



SEDIMENT CONTROL

Developer Certification

"I/We certify that all development and construction will be done according to this plan, and that any responsible persons 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."

Signature of Developer 3/16/91
Walt Irmen
PRINT NAME OF SIGNATURE

By the Engineer:

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

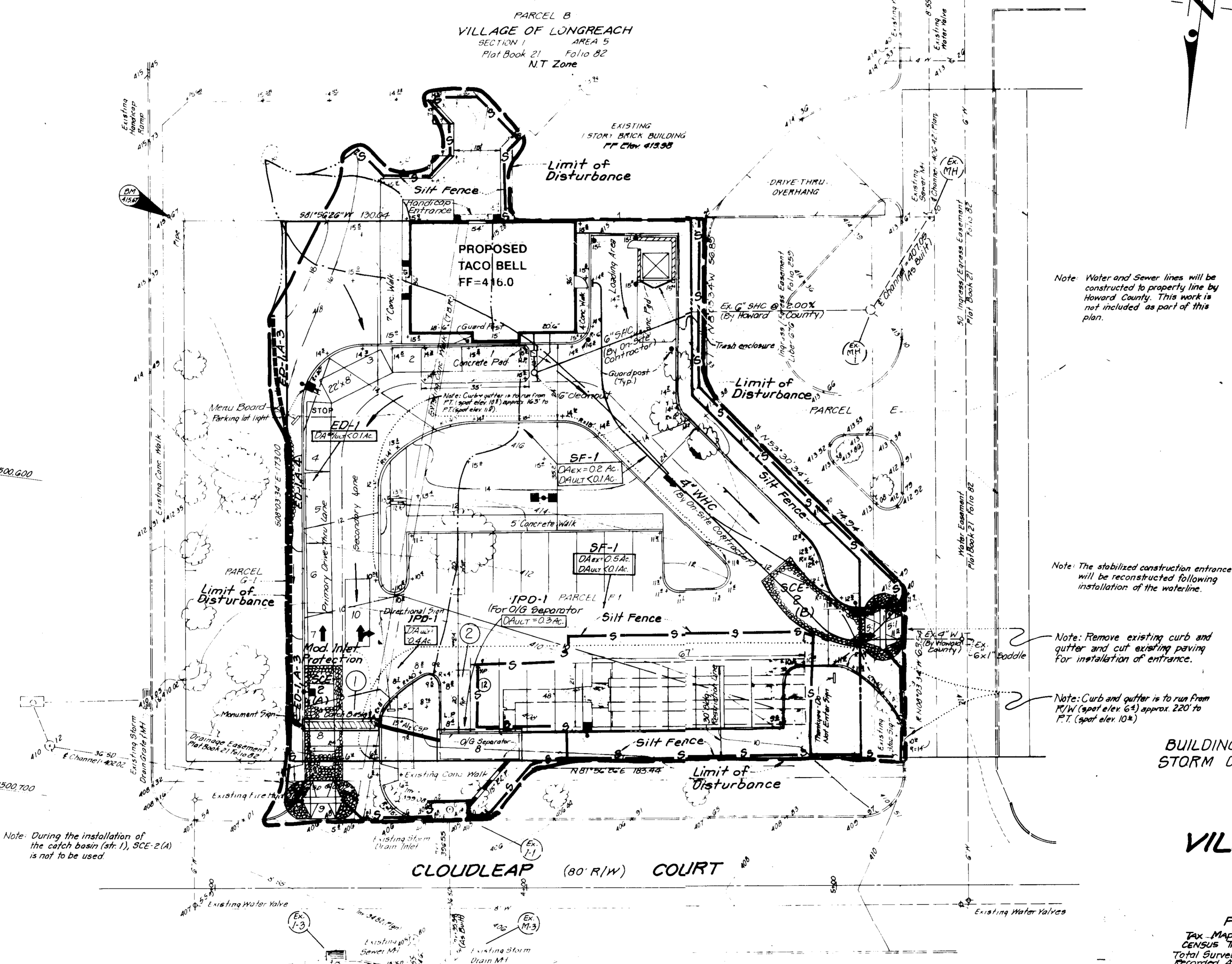
Signature of Engineer 7-10-91
Larry W. Wallace
SIGNATURE OF ENGINEER DATE
LARRY W. WALLACE
PRINT NAME OF SIGNATURE

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

Signature of Reviewer 7/16/91
Guffin
DATE

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

Signature of Approver 7/16/91
Guffin
DATE



Note: Water and Sewer lines will be constructed to property line by Howard County. This work is not included as part of this plan.

Note: The stabilized construction entrance will be reconstructed following installation of the waterline.

Note: Remove existing curb and gutter and cut existing paving for installation of entrance.

Note: Curb and gutter is to run from R/W (spot elev. 6.4) approx. 220 to P.T. (spot elev. 10.4)

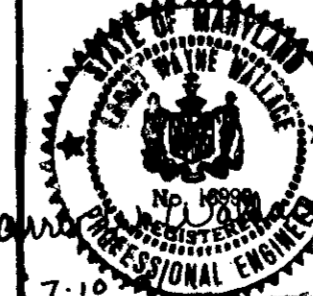
Note: During the installation of the catch basin (SF-1), SCE-2(A) is not to be used

SEDIMENT CONTROL PLAN
FOR
BUILDING CONSTRUCTION AND THE INSTALLATION OF
STORM DRAIN, UTILITIES, DRIVEWAYS AND PARKING LOT
PARCEL F1
COLUMBIA
VILLAGE OF LONGREACH
SECTION 1, AREA 5
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FAST FOOD RESTAURANT - TACO BELL

Tax Map #36
Census Tract #6066.02 F-91-97
Total Surveyed Area: 27,253 sq. ft. or 0.6222 ac.
Recorded Area: 0.647 ac.
WATER CODE 6-08; SEWER CODE 9838.100
RECORDING REFERENCE: PLAT: 9797 (For Sheet 2 of 2, see DGM Orig No. 40002-Y)

Sheet 1 of 2



DATE	DESCRIPTION	BY
6-12-91	Did not go to Lord & Wilber	SGM
5-10-91	Rev. per County review comments	SGM
3-15-91	Did not go to draft	LF
February		

OWNER/DEVELOPER/APPLICANT
Taco Bell Corporation
20 Herndon Parkway, Suite 200
Herndon, Virginia 22070
Attn: Mr. Walt Irmen
Phone: (703) 491-2823

TACO BELL 1989

SEDIMENT CONTROL PLAN

4449

M 701

04/01

6/24/91

SHEET NUMBER

C8

40.00.1

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

8-6-91 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

8/2/91 DATE

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

7/25/91 DATE

7/24/91 DATE

APPROVED
PLANNING BOARD
of HOWARD COUNTY

DATE: 9 July 91

SEDIMENT CONTROL

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 Construction Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

3/1/91 DATE

Wolff Irons
PRINT NAME OF SIGNATURE

By the Engineer:

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

Larry W. Wallace
SIGNATURE OF ENGINEER
7-10-91 DATE

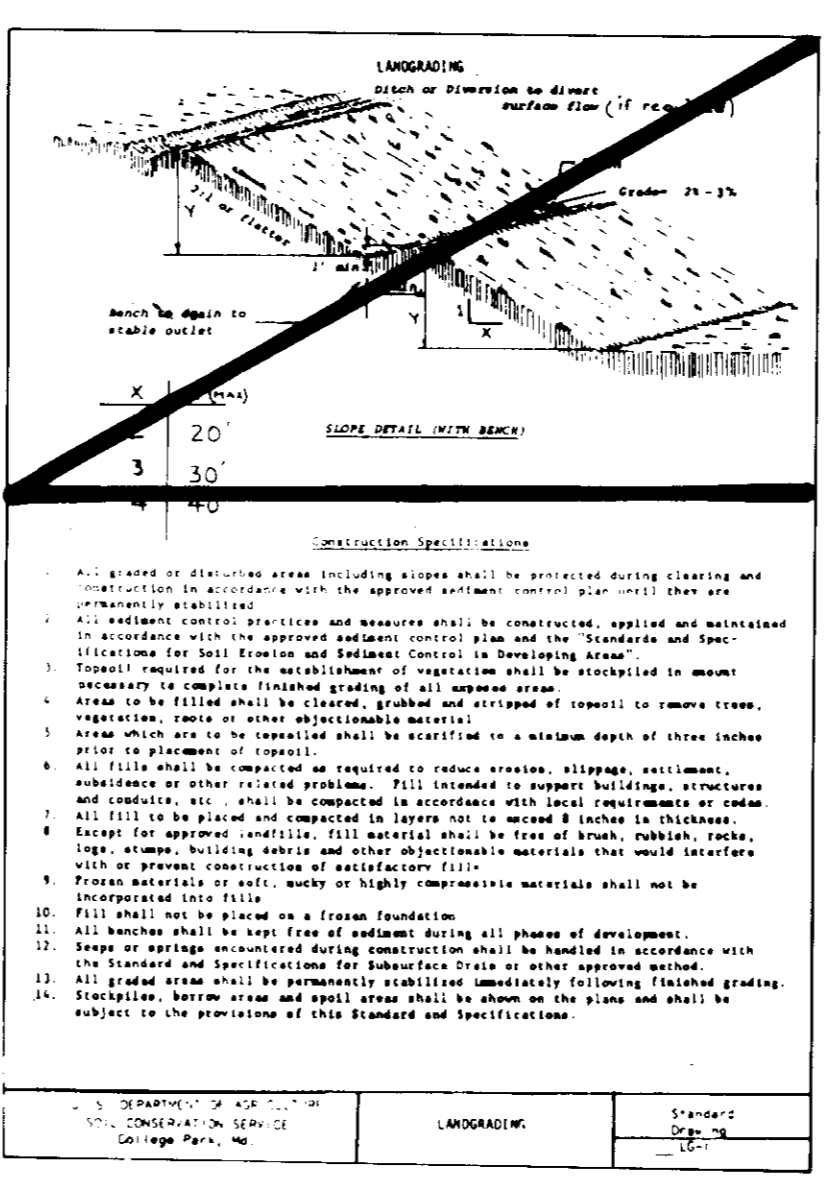
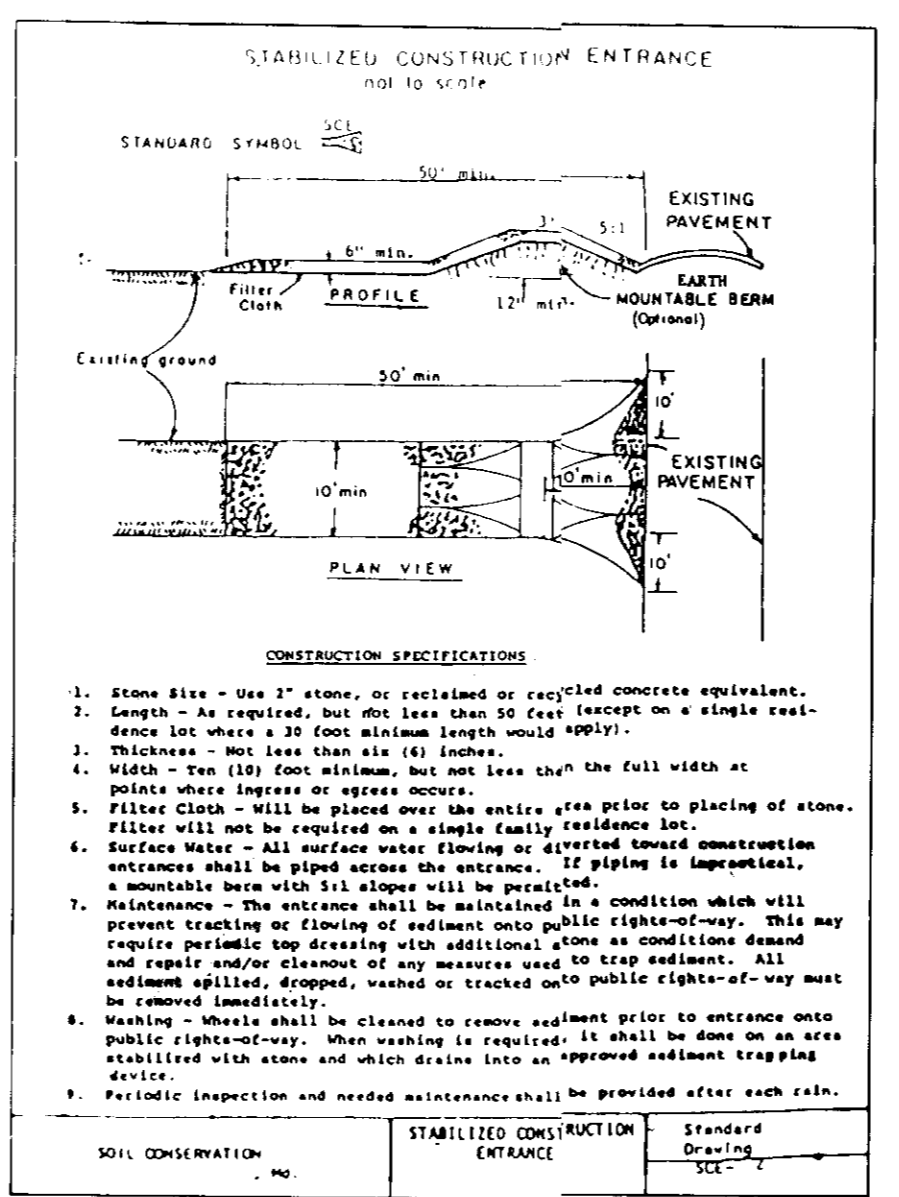
LARRY W. WALLACE
PRINT NAME OF SIGNATURE

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

U.S. Soil Conservation Service Date

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

Howard S.C.D. Date

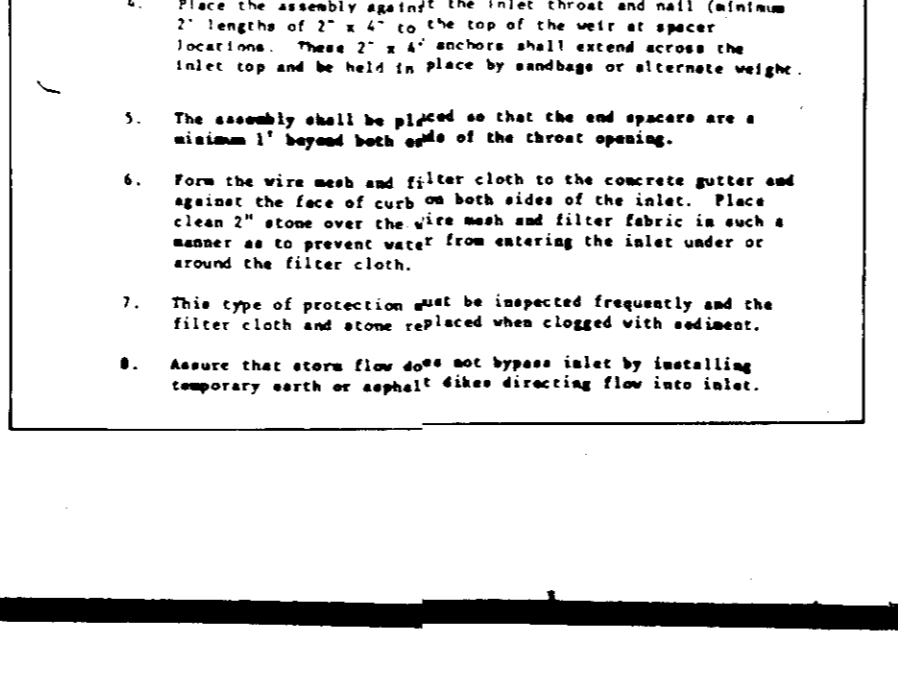
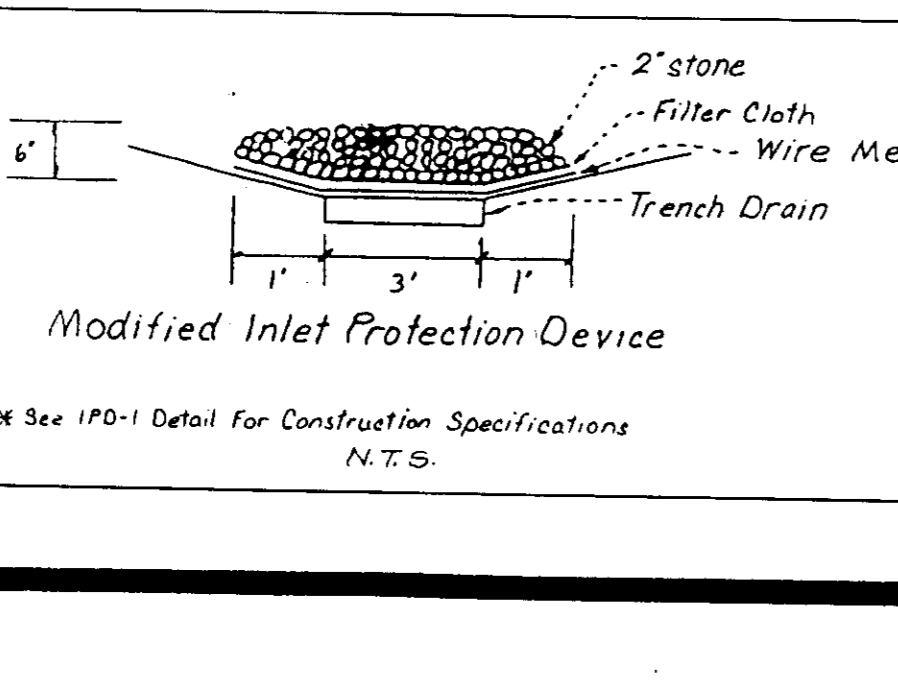
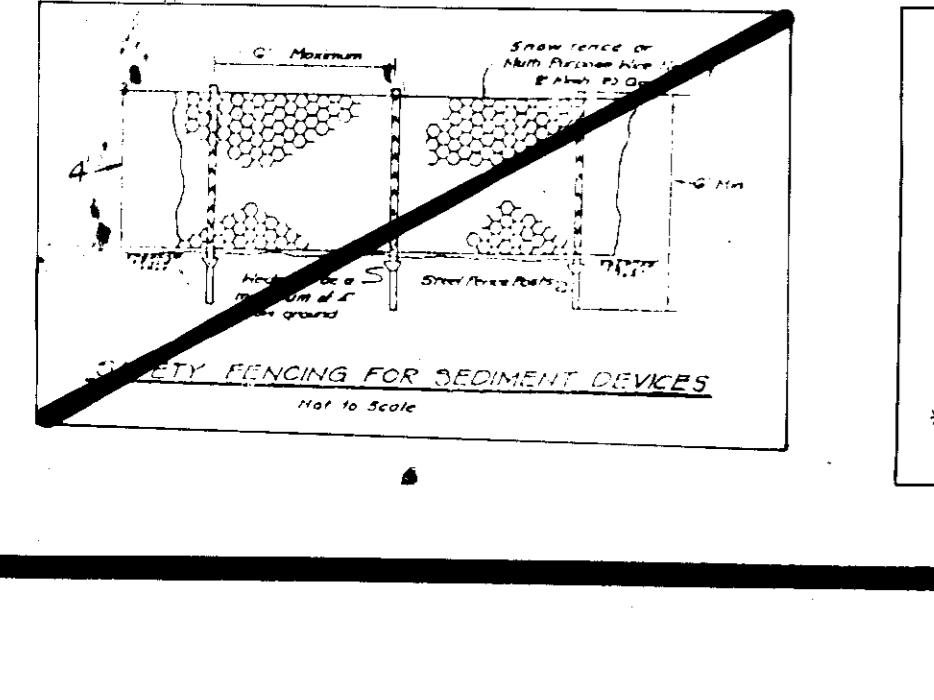
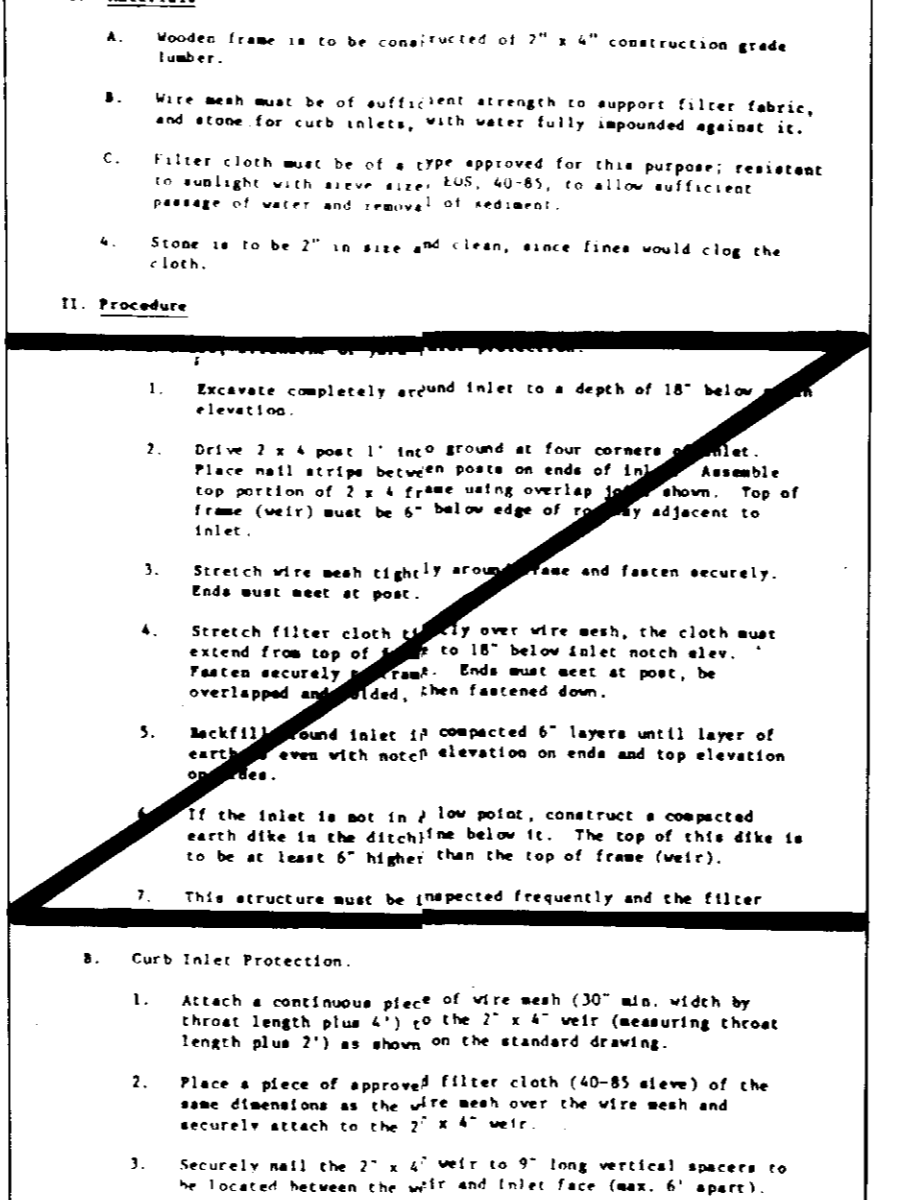
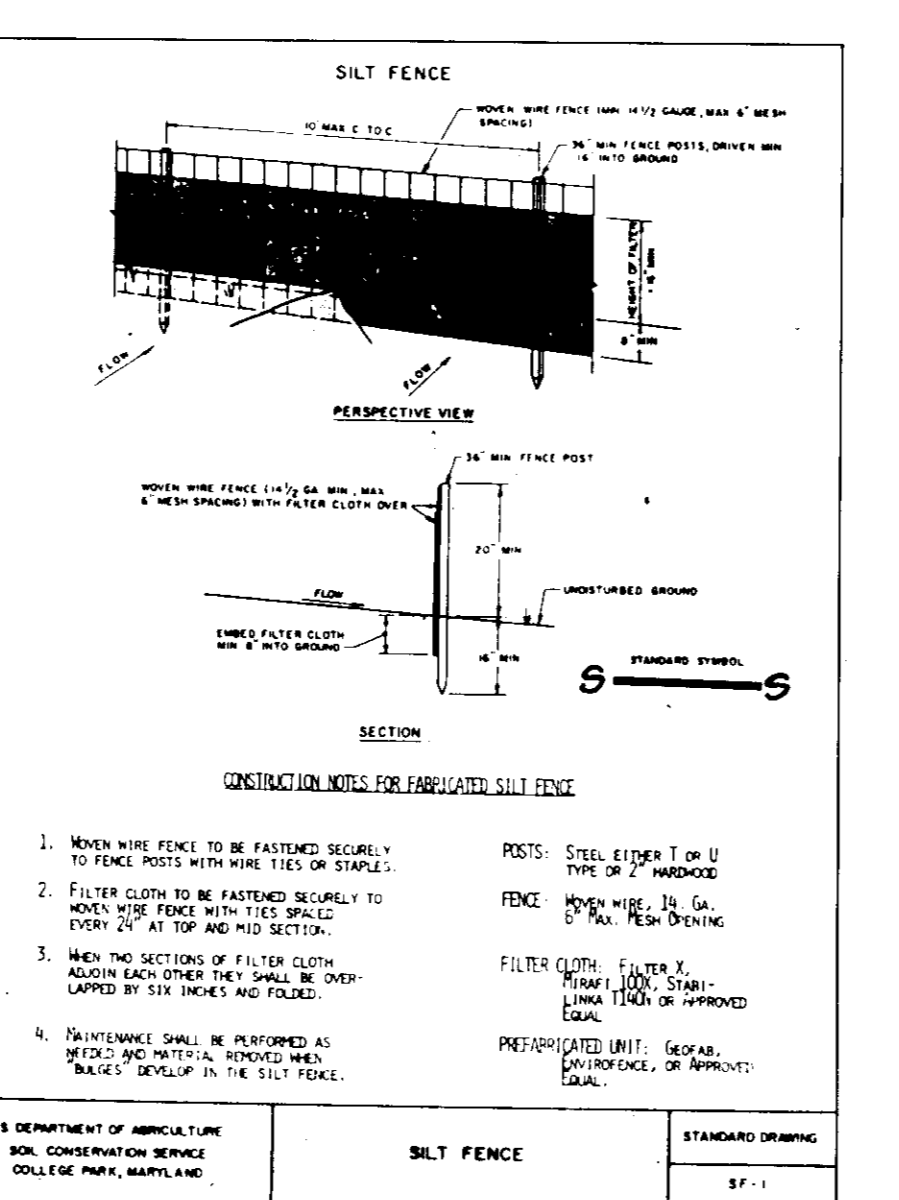
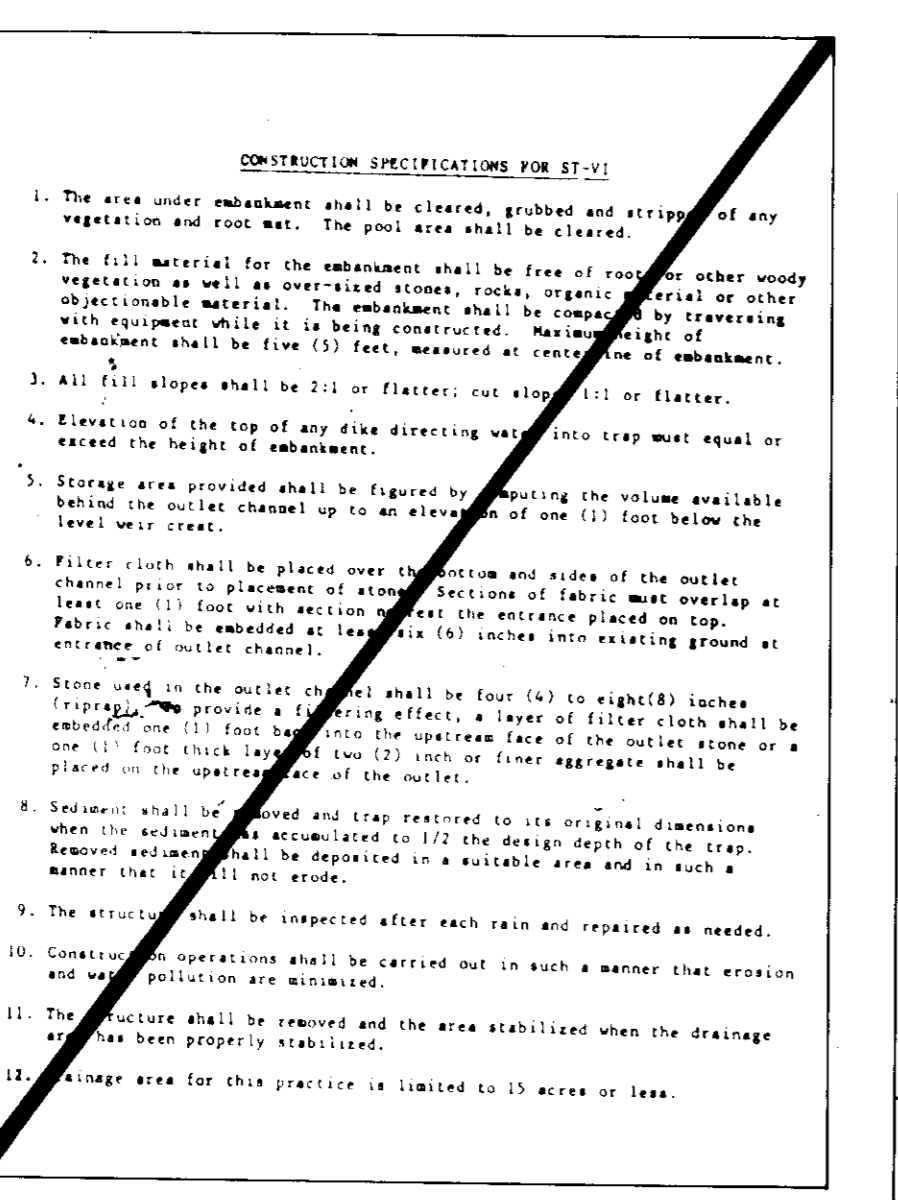
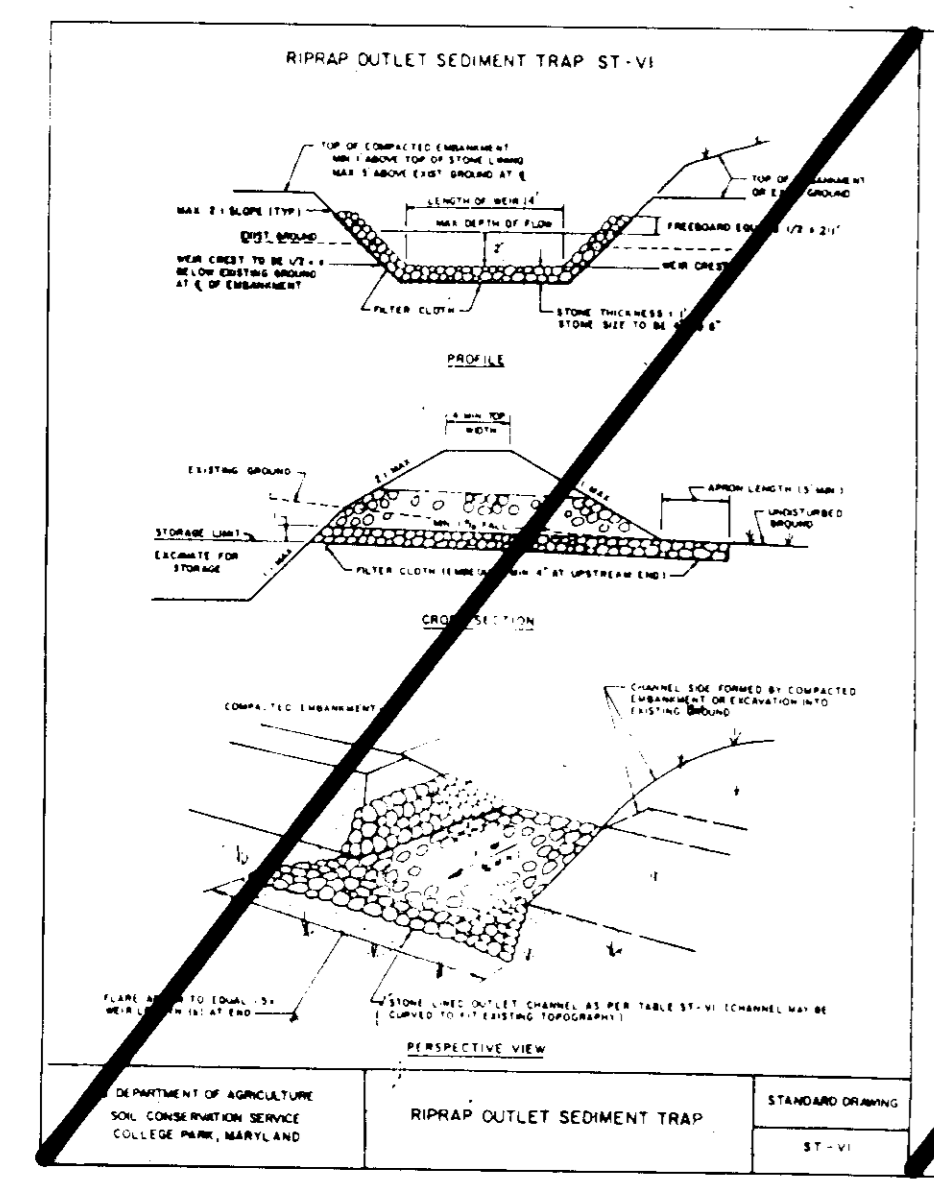
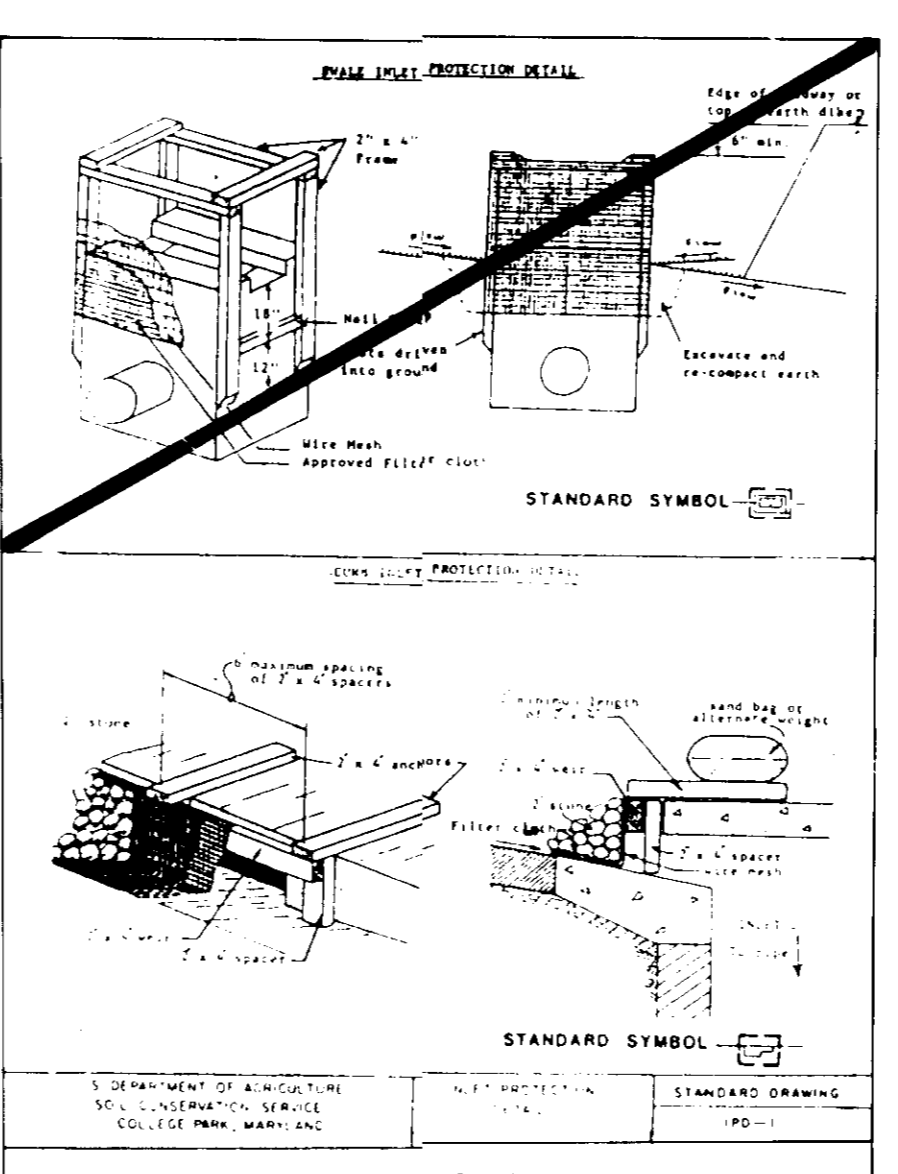
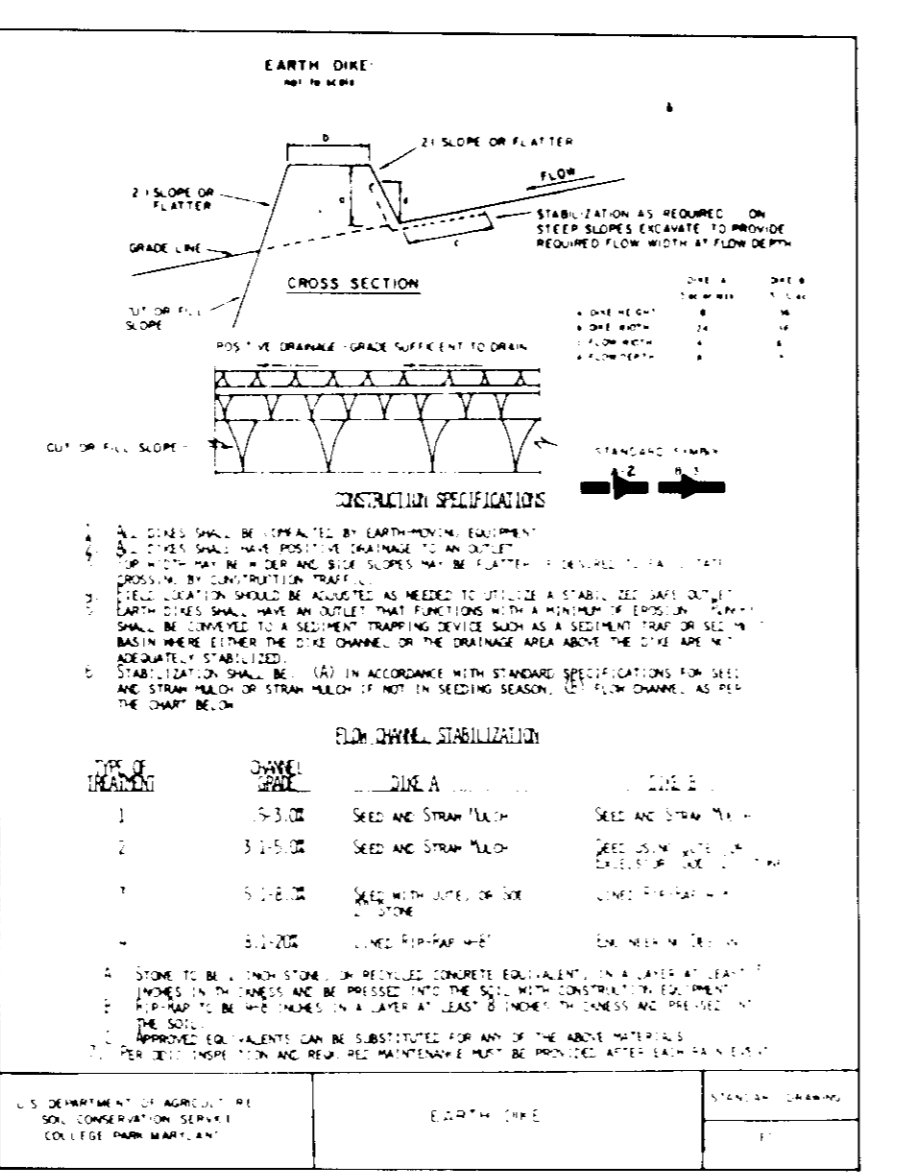
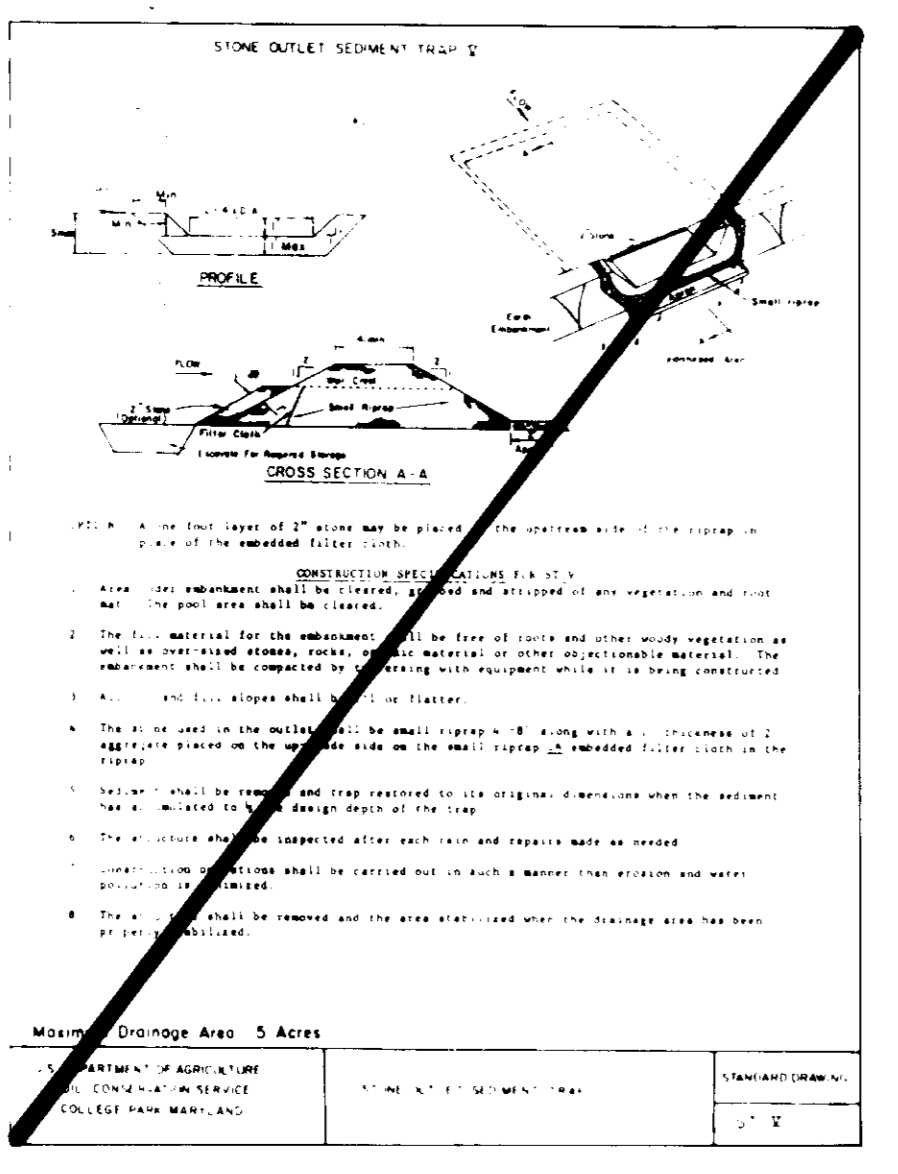


SEDIMENT CONTROL NOTES

- 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. (882-2473)
- 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 OR LATER REVISIONS.
- Following initial soil disturbance or redisturbance, 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, by 14 days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 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) soil (Sec. 54), temporary seedings (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch along roads can only be done when recommended seeding rates 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 conditions until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- Site Analysis:

Total Area of Site	0.7 Acres
Area Disturbed	0.7 Acres
Area to be roofed or paved	0.5 Acres
Area to be vegetatively stabilized	0.2 Acres
Total Cut	0.0 Cu Yds.
Total Fill	0.0 Cu Yds.

 Offsite waste/barrow area location: To be approved by the sediment control inspector.
- 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 DPW 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.



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

Approved: [Signature] 7/14/91
Howard S.C.D.

Reviewed for HOWARD S.C.D. Name: [Signature] Date: 7/14/91
U.S. Soil Conservation Service

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/Planting: 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:

- Excellent** - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq. ft.) and 500 lbs. per acre 10-10-10 fertilizer (123 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 urea-form fertilizer (9 lbs/1000 sq. ft.).
- Acceptable** - Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (123 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 of annual ryegrass (12 lbs/1000 sq. ft.) and Kentucky 31 Tall Fescue per acre (2 lbs. per acre (0.5 lbs/1000 sq. ft.) of weeping lovegrass. During the period of October 16 thru February 28, protect site by Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use soil. 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 (15 gal/1000 sq. ft.) of emulsified asphalt on fair areas. On slopes 8 feet or higher, use 348 gallons per acre (18 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 redisturbed where a short-term vegetative cover is needed.

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

Soil Amendments: Apply 60 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 bushels per acre of annual ryegrass (12 lbs/1000 sq. ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.75 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, or use soil.

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 (15 gal/1000 sq. ft.) of emulsified asphalt on fair areas. On slopes 8 feet or higher, use 348 gal per acre (18 gal/1000 sq. ft.) for anchoring.

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

DETAIL SHEET
SEDIMENT CONTROL PLAN
BUILDING CONSTRUCTION AND
INSTALLATION OF STORM DRAIN,
UTILITIES, DRIVEWAYS AND PARKING LOT

PARCEL F-1
COLUMBIA
VILLAGE OF LONGREACH
SECTION 1, AREA 5
6TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

FAST FOOD RESTAURANT - TACO BELL
WATER CODE G-08
Map # 36
CENSUS TRACT # 606602 F-91-97

Sheet 2 of 2 OWNER CODE 5335100

DATE	DESCRIPTION	BY
7-10-91	Did set to Lord & Waters	9GM
7-10-91	Rev per County review comments	9GM
7-15-91	Did set sepias to arch	9GM

RECORDING REFERENCE: PLAT 9697

1990 PROFESSIONAL PLACEMENT, LANDOWNER, MARYLAND 28785

BEN DYER ASSOCIATES, INC.
ENGINEERS, SURVEYORS, PLANNERS
TELEPHONE: (301) 459-9200

SCALE: AS SHOWN
DATE: January, 1991
RECORD NO: J-90076
DRAWN BY: SHOWN
DATE: 40.00.2-Y

TACO BELL

© TACO BELL 1989

THE TACO BELL RESTAURANT SYSTEMS ARE THE PROPERTY OF TACO BELL RESTAURANT SYSTEMS, INC. ALL RIGHTS RESERVED. NO PART OF THIS PLAN IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM.

DETAIL SHEET
SEDIMENT CONTROL PLAN

DATE: 7/14/91

BY: [Signature]

NO. 1070H

04-001

2/26/91

SHEET NUMBER

C9

SDP91-98

APPROVED FOR PUBLIC WORKS AND PUBLIC UTILITY SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.

DATE 8/6/91

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DATE 8/9/91

APPROVED: DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT.

DATE 1/19/91

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

DATE 7/25/91

DATE 7/24/91

APPROVED
PLANNING BOARD
 of HOWARD COUNTY

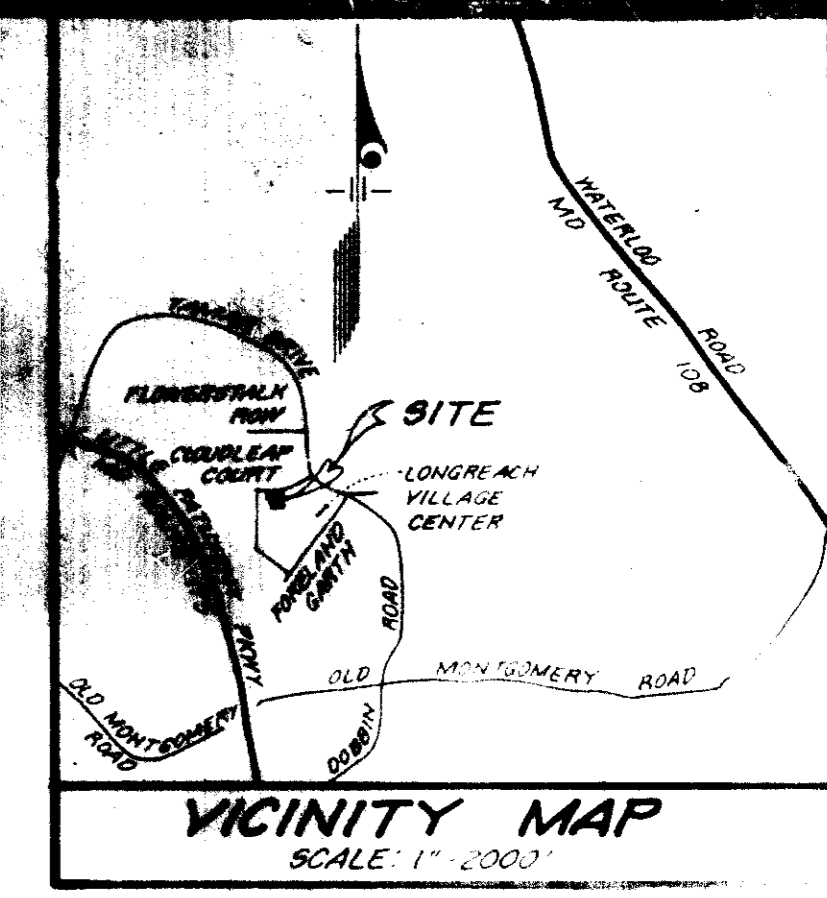
DATE 9 July 91

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAYMENT MATERIALS	
		FULL DEPTH BIT. CONC. ALTERNATE	GRANULAR BASE ALTERNATES
P-2	RESIDENTIAL ZONES	1 1/2" BIT. CONC. SURFACE	1 1/2" BIT. CONC. BASE
	LOCAL, CURB-DE-SAC STR. ALLEYS AND PRIVATE ROADS SERVING INDIVIDUAL LOTS	5" BIT. CONC. BASE	8" CHUSHER RUN BASE COURSE (12 COURSES) OR 6" DENSE GRADED STABILIZED AGGREGATE BASE COURSE
TRAVELWAYS APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH NO MORE THAN 10 HEAVY TRUCKS PER DAY			

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

PAVING SECTION P-2

DRAWN BY: J.T. BALDWIN
 CHECKED BY: [Signature]
 NO SCALE
 1" = 20'



SEDIMENT CONTROL

Developer Certification:

"I 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."

Signature of Developer: [Signature] DATE 3/4/91

Print Name of Signature: Wolf J. Irmen

By the Engineer:

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

Signature of Engineer: [Signature] DATE 7/18/91

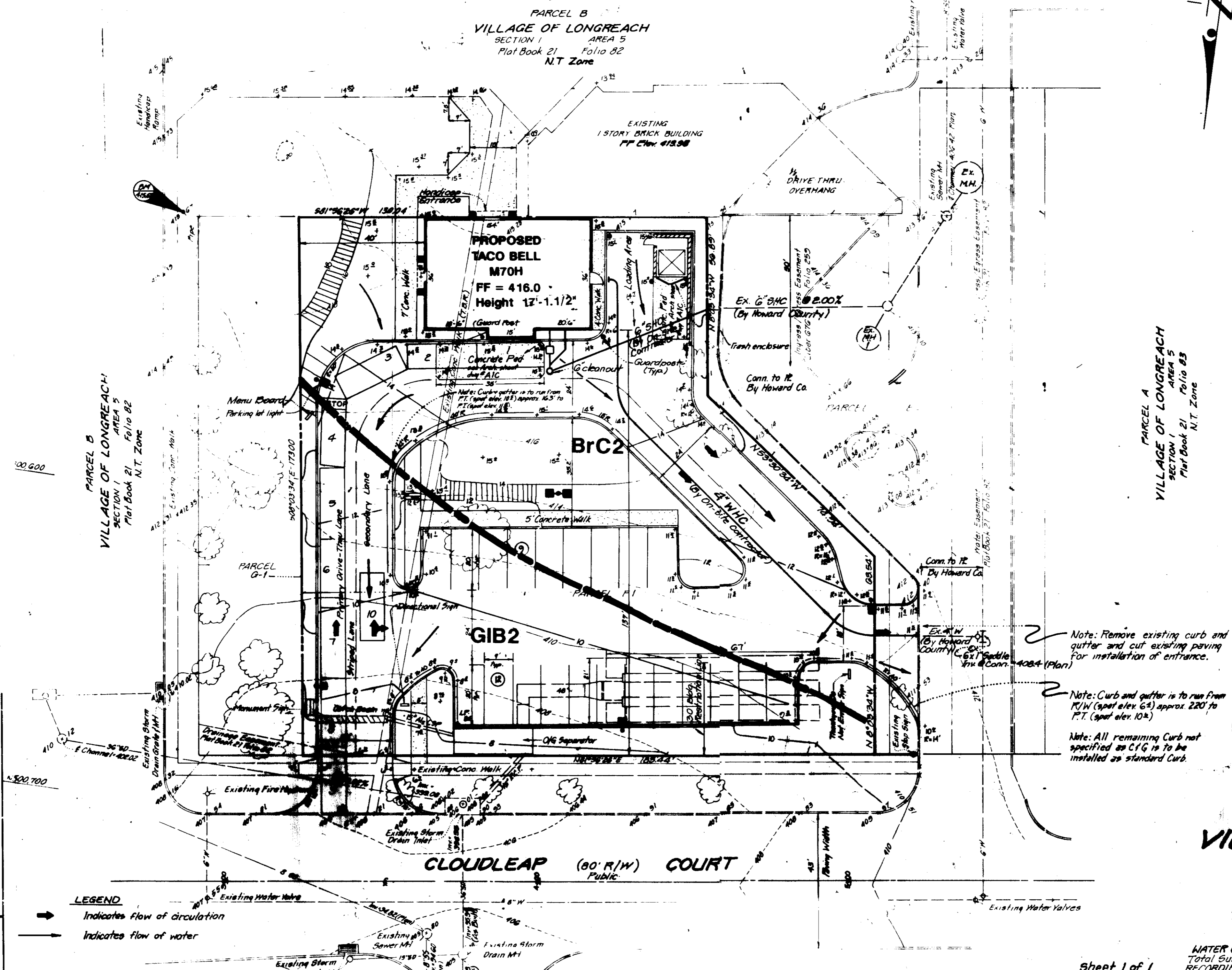
Print Name of Signature: LARRY W. WALLACE

These plans have been reviewed for the HOWARD SOIL CONSERVATION DISTRICT and MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL.

U.S. Soil Conservation Service Date

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

Howard S.C.D. Date



Note: Remove existing curb and gutter and cut existing paving for installation of entrance.

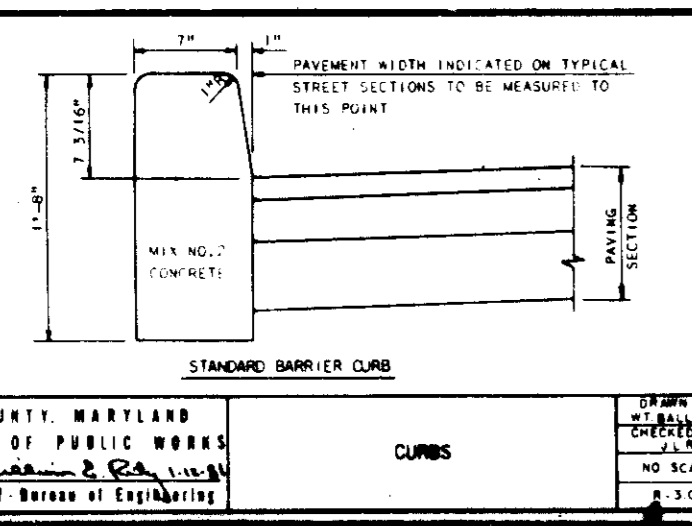
Note: Curb and gutter is to run from 17' W (spot elev 64) approx. 220' to P.T. (spot elev 104)

Note: All remaining curb not specified as C/G is to be installed as standard curb.

SOILS INFORMATION:

Legend

[Symbol]	Slopes 15-24.9%
[Symbol]	Slopes 25% or greater



LEGEND

Indicates flow of circulation

Indicates flow of water

SOILS INFORMATION

BrC2- Brandywine loam, 8-15% slopes

GIB2- Glenelg loam, 3-8% slopes

DEVELOPER

Taco Bell Corporation
 2200 American Parkway, Suite 200
 Columbia, MD 21046
 Phone: (301) 441-0433

SOILS MAP
PARCEL F-1
COLUMBIA
VILLAGE OF LONGREACH
 SECTION 1, AREA 5
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FAST FOOD RESTAURANT - TACO BELL

Sheet 1 of 1

WATER CODE G-08, SEWER CODE 9335100
 Total Surveyed Area: 27,253 sq ft or 0.6266 Ac. Recorded Area: 0.647 Ac. TAX MAP #36
 RECORDING REFERENCE: PLAT 2737 CENAPAC TRACT # 606602 F-91-97

6-10-91 Bid set to Lord & Waters
 8-10-91 Res per County review comments
 8-15-91 Bid set copies to arch.

DATE: [Blank] DESIGNED BY: [Blank] REVISED BY: [Blank]

Scale: 1" = 20'

March, 1991

SOILS MAP

M70H

C4-G01

2/26/91

SHEET NUMBER

C10

SBP91-98

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

Joseph M. Boyd 8/6-91
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

Joseph M. Boyd 8/9/91
 DIRECTOR DATE

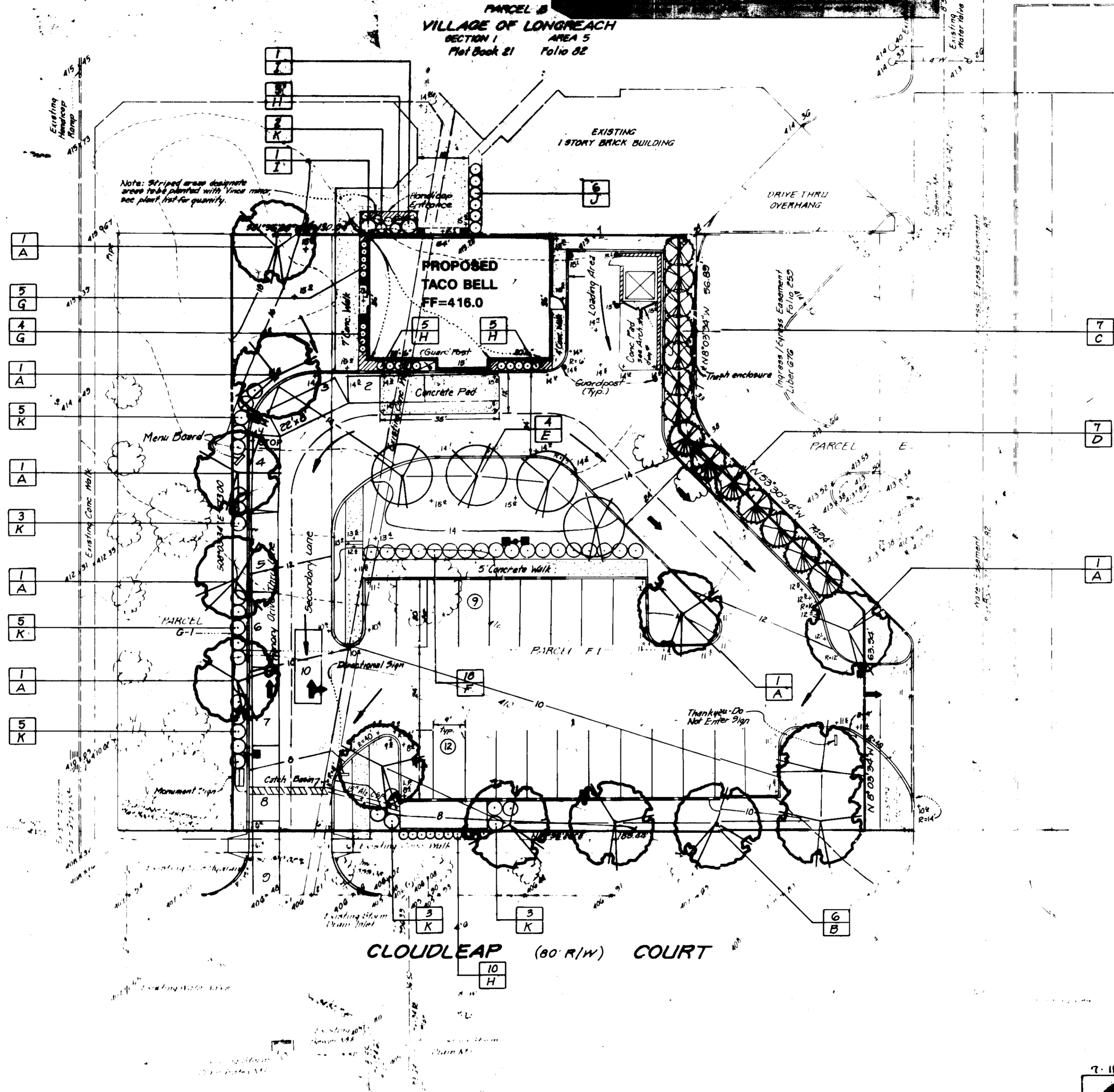
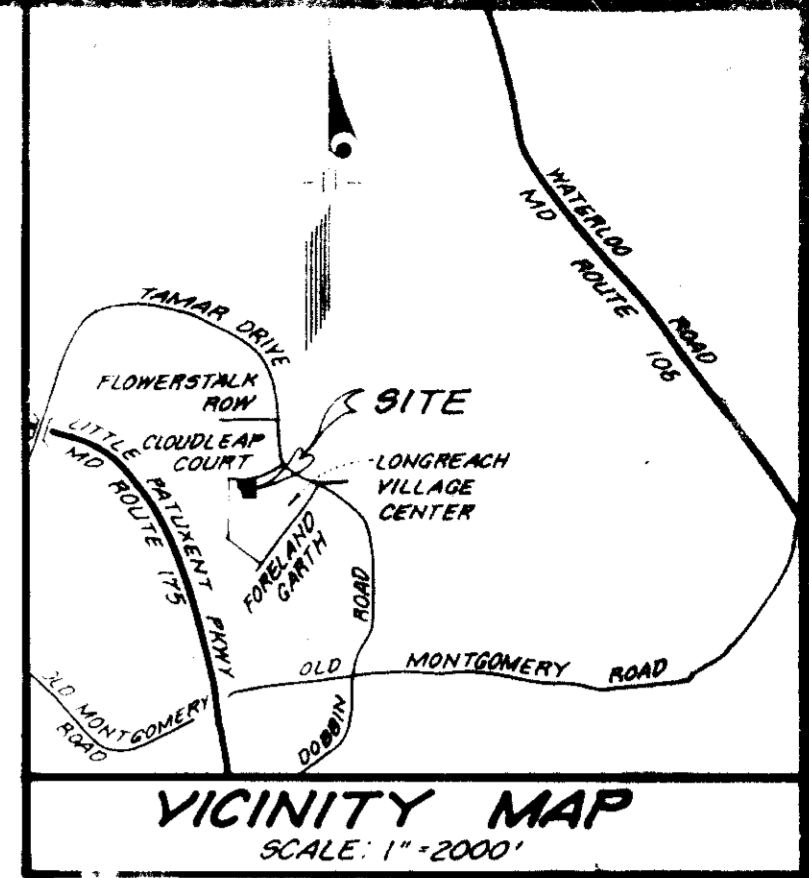
David S. DeCuyper 8/15/91
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

Paul M. Sporn 7/25/91
 DIRECTOR DATE

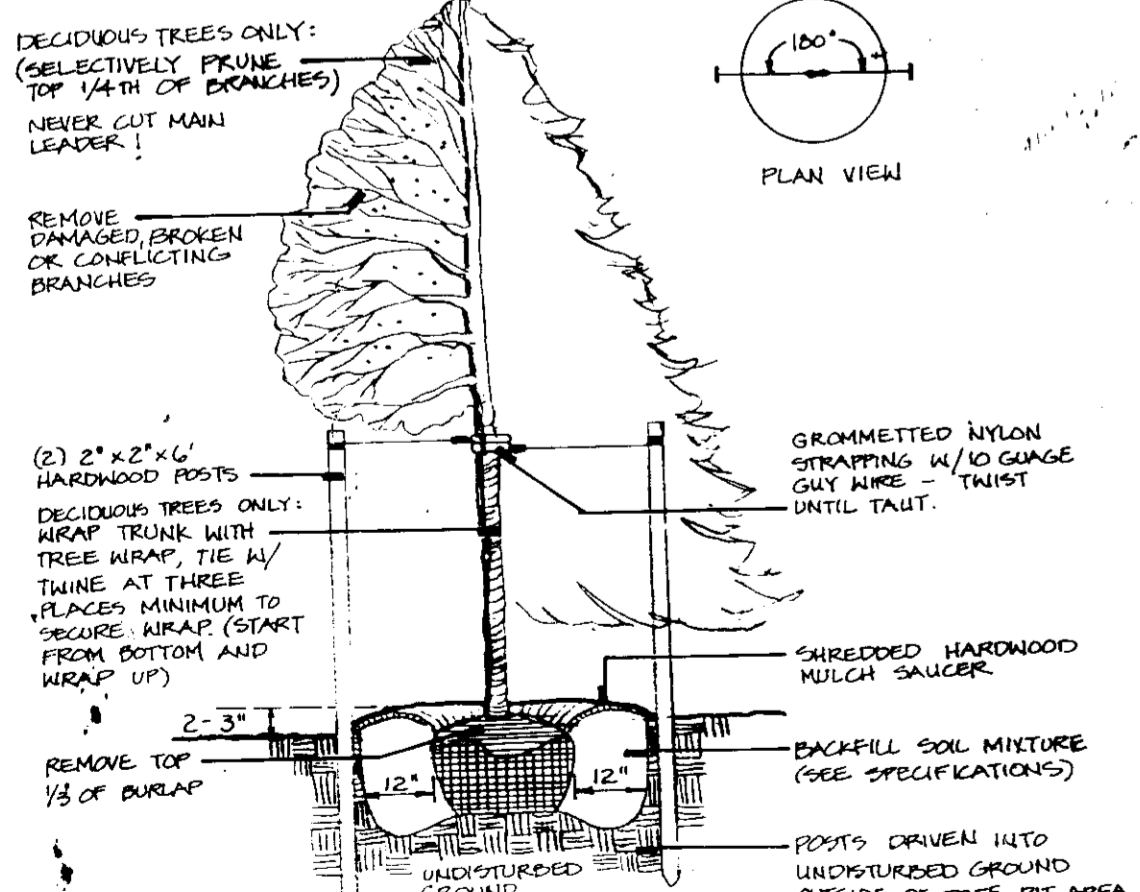
Charles Anderson Palva 7/29/91
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED
 PLANNING BOARD
 of HOWARD COUNTY
 DATE: 9 July 91



Plant List

Code	Plant Name	Quantity
A	Spec. variegated Maple	20' - 25' cal.
B	Spec. variegated Maple	20' - 25' cal.
C	Spec. variegated Maple	6' - 8' cal.
D	Spec. variegated Maple	6' - 8' cal.
E	Spec. variegated Maple	2' - 3' cal.
F	Spec. variegated Maple	15' - 20' cal.
G	Spec. variegated Maple	15' - 20' cal.
H	Spec. variegated Maple	15' - 20' cal.
I	Spec. variegated Maple	3' - 4' cal.
J	Spec. variegated Maple	15' - 20' cal.
K	Spec. variegated Maple	15' - 20' cal.
L	Spec. variegated Maple	15' - 20' cal.



LEGEND

→ Indicates Flow of circulation

→ Indicates Flow of water

LANDSCAPE PLAN
 for
PARCEL F-1
COLUMBIA
VILLAGE OF LONGREACH
 6TH ELECTION DISTRICT
 FAST FOOD RESTAURANT - TACO BELL



WATER CODE G-08, SEWER CODE 5335100
 TAX MAP # 36
 CENSUS TRACT # 6006.02 F-91-97
 Total Surveyed Area: 27,293 sq ft or 0.6226 Ac. Recorded Area: 0.647 Ac. For sheet 500
 SHEET 1 OF 2 (B.D.A.I. dwp# 50-002-Y)

6-12-91	Bid set to Lord & Waters	99M
9-10-91	Rev. per County review comments	DGM
3-15-91	Bid set again to arch.	JF KEW

1"=20'
 Jan. 18, 1991



LANDSCAPE PLAN

B.A.
 M70H
 02-601
 2/26/91
 SHEET NUMBER
 L1

SPR91-18

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

APPROVED: *[Signature]* 8-1-99
 COUNTY HEALTH OFFICER DATE

APPROVED: *[Signature]* 8/2/01
 DIRECTOR DATE

APPROVED: *[Signature]* 8/9/01
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: *[Signature]* 7/25/01
 DIRECTOR DATE

APPROVED: *[Signature]* 7/24/01
 CHIEF, BUREAU OF ENGINEERING DATE

Planting Plan Notes

- I. General Notes**
- Scope:** The Landscape Contractor shall verify all quantities of plant material shown on the plan in the plant list, and shall provide all materials, labor and equipment to complete all landscape work as shown on the plans and specifications.
 - Utilities:** The Landscape Contractor shall notify Miss Utility (1-800-251-7777) to verify the location of all main utilities and shall ask the General Contractor to locate lighting and other on-site utilities in the field before proceeding with the installation of any planting. If conditions arise in the field which necessitate the shifting of a plant location more than 15', the Landscape Architect is to be consulted.
 - Substitutions:** Any change in the type, size and quantity of plant material by the Landscape Contractor must be approved by the Landscape Architect prior to installation.
 - Standards:** All plant material must be nursery grown and meet all of the qualitative criteria established by the current issue of the American Standard for Nursery Stock specifications published by the American Association of Nurserymen.
 - Dug Material:** All dug plant material shall have been dug before bud break or after leaf maturation. Any plant material exhibiting drooping new growth within two (2) weeks of being planted will be rejected and must be removed from the job.
- Balled and burlapped plants shall be dug with firm natural balls of earth.
- Anti-desiccants shall be applied on all material dug while in foliage.
- Poor Drainage:** No plants shall be planted in situations that show obvious poor drainage. Such situations shall immediately be brought to the attention of the Landscape Architect and Owner, and if they deem necessary, the plants shall be relocated or the contract shall be adjusted to allow for drainage correction at a negotiated cost.
- Site Preparation:** It shall be the General Contractor's responsibility to present "clean" soil conditions to the Landscape Contractor prior to any landscape installation. "Clean" soil may include on-site soil but must be free of pavement materials, muck, root systems, petroleum or other chemical substances, blue stone, construction debris and other materials larger than 4" in diameter. The "clean" soil shall extend to the following minimum depths: 18" where trees are proposed, 12" where shrubs are proposed and 4" where lawn is proposed. If the Landscape Contractor encounters any areas to be deficient regarding these "clean" soil specifications, he shall report this condition to the Landscape Architect and Owner prior to planting in those areas.
 - Workmanship:** During planting, all areas shall be kept neat and clean, and all reasonable precautions shall be taken to avoid damage to existing plants, turf and structures. Upon completion, all debris and waste material resulting from planting operations shall be removed from the project and the area cleaned up. Any damaged areas shall be restored to their original condition.
 - Water:** If available on-site, the Owner shall supply water at no cost. If there is none on the site, it will be the Landscape Contractor's responsibility to supply water if there is none on the site.

II. Planting Procedures

- Planting Beds:** With the exception of those trees shown on the plan as individuals, all plants are to be planted into prepared planting beds which are designated on the plan with dashed outlines. The outline of each bed shall be spade dug to be a smooth, continuous sharp-cut edge. The entire area within the outline of the bed shall be thoroughly loosened to a depth of 8" by picking or other means and all materials unsuitable for plant growth and all rocks and debris greater than 4" diameter area to be removed. Topsoil (that meets the qualitative description of the Maryland State Highway Administration's Materials Specification 920.01.02, Material Topsoil) shall be applied over the entire bed area in sufficient quantity so that the elevation of the planting bed, after light tamping, is 6" above the finished grade of the area adjacent to the bed. (See Prepared Planting Bed Detail on plan for an illustration).
- Tree Planting:**
 - Preparing tree pit:** The walls of the tree pit shall be dug so that they are vertical and scarified. The diameter of the pit shall be a total of 24" wider than the ball diameter. Care should be taken not to excavate the tree pit below a depth that allows 1/8 of the ball to be above the finished grade. If the pit is dug too deep, then the bottom of the pit must be firmly tamped (to prevent settlement).
 - Placing Tree in Pit:** Place the tree in the pit either by lifting and carrying the tree by its ball (never lift by branches or trunk) and then lowering it into the pit. Set the tree straight and in the center of the pit with the most desirable side of the tree facing toward the prominent view (sidewalk, building, street, etc.).
 - Backfilling Tree Pit:** Backfill the tree pit with a mixture of 2/3 original excavated material amended with 1/3 topsoil (as specified in I(A) above). (This step will have been partially completed if the tree is planted into a prepared bed as described above). Backfill sides of tree pit halfway with soil mixture and tamp before adding more backfill. Cut rope or wire on ball of tree and pull burlap back to the edge of the tree ball. Remove all plastic wraps and twine. Finish backfilling sides of tree pit and tamp firmly. Never cover top of root ball with soil. Form a saucer above existing grade and around the outer rim of the tree pit. Mulch top of root ball and saucer within 48 hours to a depth of 2" to 3". Water thoroughly on the interior of the tree saucer until it is filled even if it is raining. A second watering may be necessary to insure saturation of the root ball. Prune out any dead or broken branches.
 - Tree bracing:** Unless otherwise noted on the plan, all trees 6-8' (18" cal.) or larger are to be braced with three (3) guy wires and ground stakes spaced as evenly apart (120° apart) in a circle as possible. Guying shall be completed within 48 hours of planting the tree.

C. Shrub Planting:

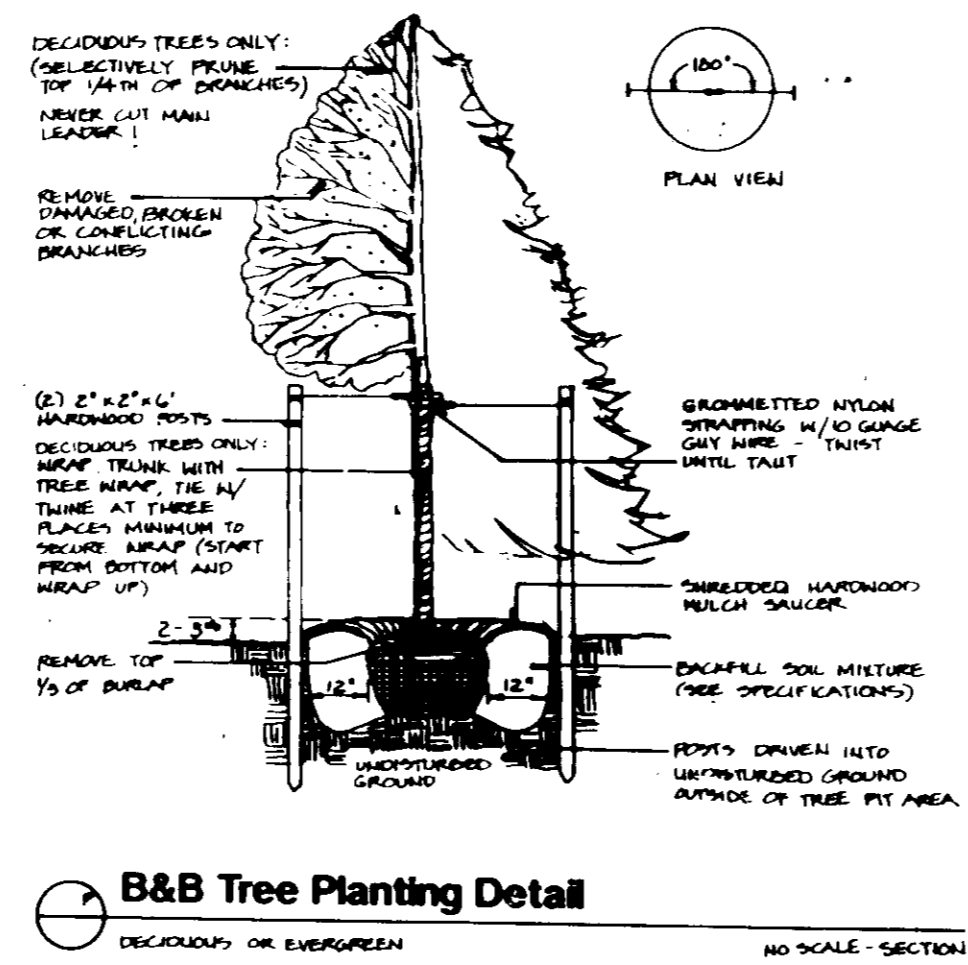
- Preparing Shrub Pit:** The walls of the shrub pit shall be dug so that they are vertical and scarified. The diameter of the pit shall be a total of 12" wider than the ball diameter. The depth of the pit shall be at an elevation that allows 1/8 of the ball to be above the finished grade, after the bottom of the pit has been firmly tamped (to prevent settlement).
- Placing Shrub in Pit:** Place the shrub in the pit either by lifting or carrying the shrub by its ball (never lift by branches) and then lowering it into the pit. Set the shrub straight and in the center of the pit with the most desirable side of the shrub facing toward the prominent view (sidewalk, building, street, etc.).
- Backfilling Shrub Pit:** Backfill the shrub pit halfway with soil mixture and tamp before adding more backfill. Cut rope or wire on ball of shrub and pull burlap back to the edge of the root ball. Remove all plastic wraps and twine.

Finish backfilling sides of pit and tamp firmly. Never cover top of root ball with soil. Form a saucer above existing grade and around the outer rim of the shrub pit. Mulch top of root ball and saucer within 48 hours to a depth of 2" to 3".

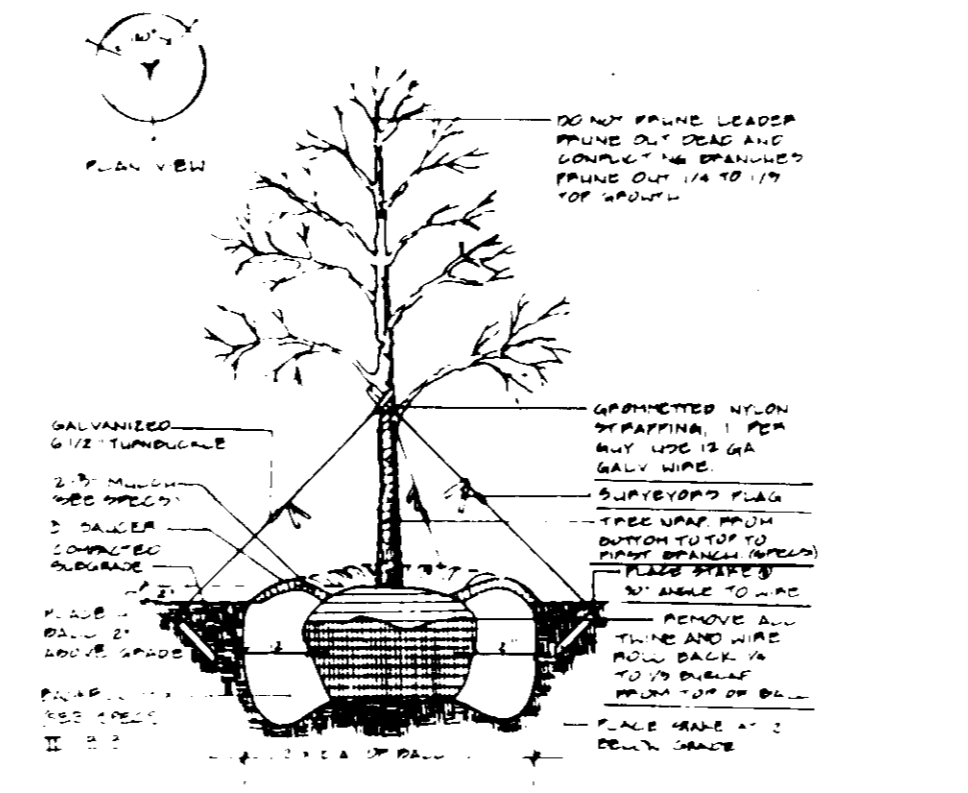
Water thoroughly on the interior of the shrub saucer until it is filled even if it is raining. A second watering may be necessary to insure saturation of root ball. Prune out any dead branches.

III. Seeding and Sodding:

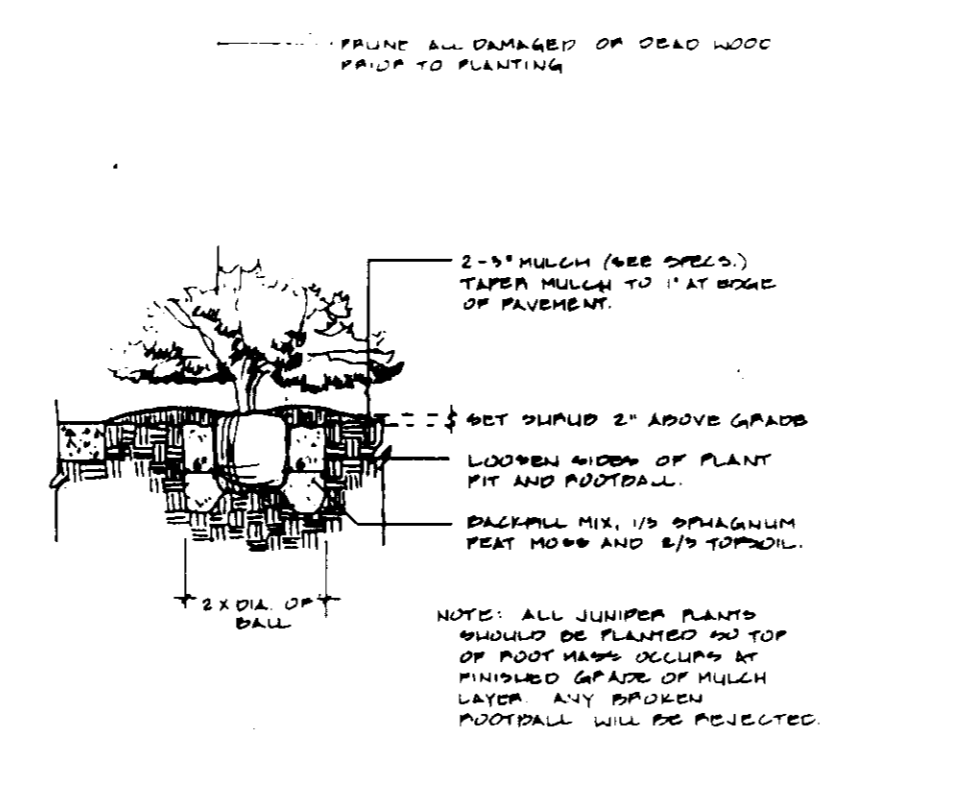
All disturbed areas not covered by buildings, pavements and planting beds are to be established in a lawn of Kentucky-31 Tall Fescue either by seed or sod, or combination, depending on the time of year, availability of materials and Owner's preference.



B&B Tree Planting Detail
 DECIDUOUS OR EVERGREEN NO SCALE - SECTION



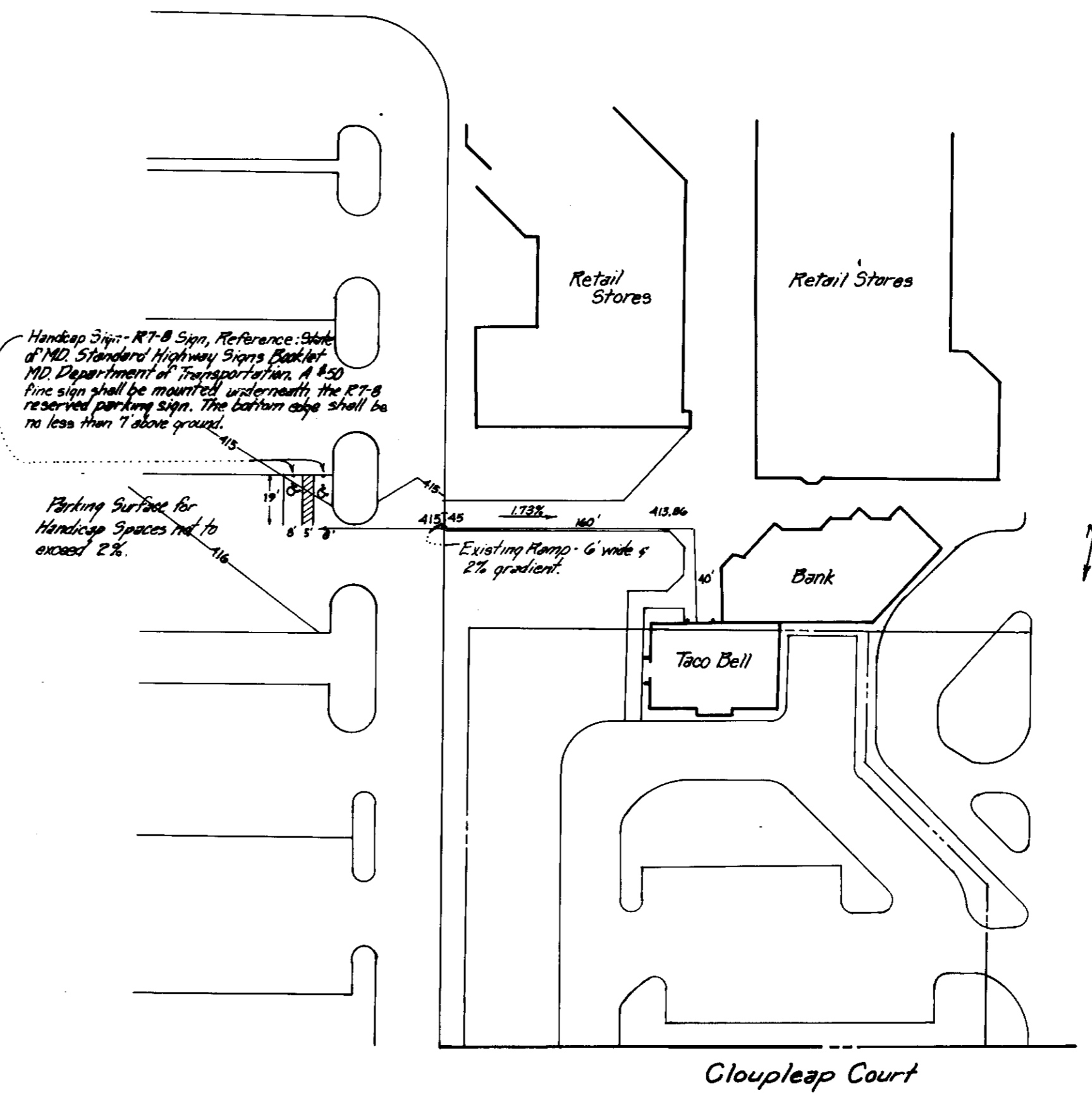
B&B Shade Tree Detail
 DECIDUOUS OR EVERGREEN NO SCALE - SECTION



Shrub Planting Detail
 DECIDUOUS OR EVERGREEN NO SCALE - SECTION

Plant List

KEY	BOTANICAL NAME/COMMON NAME	SIZE	SPACING	QUANTITY	METHOD
Deciduous Trees					
A	Acer rubrum/Red Maple	26" - 3" cal.	A.S.	8	B&B
B	Quercus rubra 'Borealis'/Red Oak	26" - 3" cal.	A.S.	6	B&B
Evergreen Trees					
C	Picea omorika/Serbian Spruce	6 - 8' ht.	8' o.c.	7	B&B
D	Pinus strobus/White Pine (Natural)	6 - 8' ht.	10' o.c.	7	B&B
Ornamental					
E	Magnolia x soulangeana/Saucer Magnolia	2" - 26" cal.	A.S.	4	B&B
Shrubs					
F	Abelia x grandiflora/Glossy Abelia	18" - 24" ht.	4' o.c.	18	Cont./B&B
G	Berberis julianae 'Nana'/Dwarf Wintergreen Barberry	18" - 24" spd.	3' o.c.	9	Cont.
H	Ilex crenata 'Helleri'/Dwarf Japanese Holly	18" - 24" spd.	3' o.c.	25	Cont./B&B
I	Ilex x 'Helleri Stevens'/Helleri Stevens Holly	3' - 4' ht.	A.S.	2	Cont./B&B
J	Bambusa domestica/Heavenly Bamboo	18" - 24" ht.	4' o.c.	6	Cont./B&B
K	Taxus x media 'Densiformis'/Dense Spreading Yew	18" - 24" spd.	5' o.c.	26	Cont./B&B
Groundcover					
L	Vinca minor 'boulax'/Periwinkle		6" o.c.	116	26" peat pots



Village Center Detail
 Scale: 1"=50'

Details and Specifications
PARCEL F-1
COLUMBIA
VILLAGE OF LONGREACH
 SECTION 1, AREA 5
 6TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 FAST FOOD RESTAURANT - TACO BELL

WATER CODE G-08, SEWER CODE 5335100
 Sheet 2 of 2
 Total Surveyed Area: 27,203 sq ft
 06266.46, Recorded Area: 0.647 ac

RECORDING REFERENCE: PLAT: 0137
 TAX MAP # 36
 CENSUS TRACT # 6066.02 F-91-97

DATE	DESCRIPTION	BY
6-12-91	Bid set to Lord & Waters	SGM
5-10-91	Rev per County review comments	SGM
3-15-91	Bid set sepia to arch	JF

DATE: 7-11-91

TACO BELL

DETAILS AND SPECIFICATIONS

BA

M70H

04-601

2/26/01

SHEET NUMBER

L2