

VICINITY MAP  
SCALE: 1" = 200'

- GENERAL NOTES:
- PRIOR TO THE START OF ANY CONSTRUCTION, THE CONTRACTOR SHALL STAKE OUT ALL BASE LINES, BUILDING LOCATION, CURBS AND VERIFY OFFSETS AND SETBACKS.
  - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT TELEPHONE NO. 301-599-0100 AT LEAST 72 HRS PRIOR TO STARTING EXCAVATION TO VERIFY ALL LOCATIONS OF EXISTING UTILITIES.
  - ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL, VOLUME IV- STANDARD SPECIFICATION AND DETAILS, OCT. 1990 EDITION.
  - THE INFORMATION SHOWN ON THESE PLAN IS FOR THE CONVENIENCE OF THOSE CONCERNED ONLY. THE CORRECTNESS OR COMPLETENESS OF THE THE INFORMATION SHOWN IS NOT WARRANTED OR GUARANTEED. THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO HIS OWN SATISFACTION.
  - THE LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK.
  - THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE BUREAU OF CONSTRUCTION INSPECTION 24 HRS. IN ADVANCE OF COMMENCEMENT OF WORK AT 301-792 7272.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES TO THE COUNTY RIGHT-OF-WAY.
  - ALL DISTURBED AREAS NOT STABILIZED WITH BUILDING OR PAVING SHALL BE SEEDED AND MULCHED.
  - ALL DRIVEWAYS ARE PRIVATELY OWNED MAINTAINED.
  - STORMWATER MANAGEMENT WAS PROVIDED UNDER F-82-96.
  - THIS PLAN IS COVERED BY FDP PHASE 118-F-3 PART II AND F-90-59 AND F-92-70.
  - THE MEASUREMENTS OF QUANTITIES SHOWN HEREON MAY NOT BE EXACT AND SHOULD BE VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO BIDDING.
  - THE MAINTENANCE OF THE OIL AND GRIT SEPARATOR SHALL BE THE RESPONSIBILITY OF KENTUCKY FRIED CHICKEN.

SITE ANALYSIS

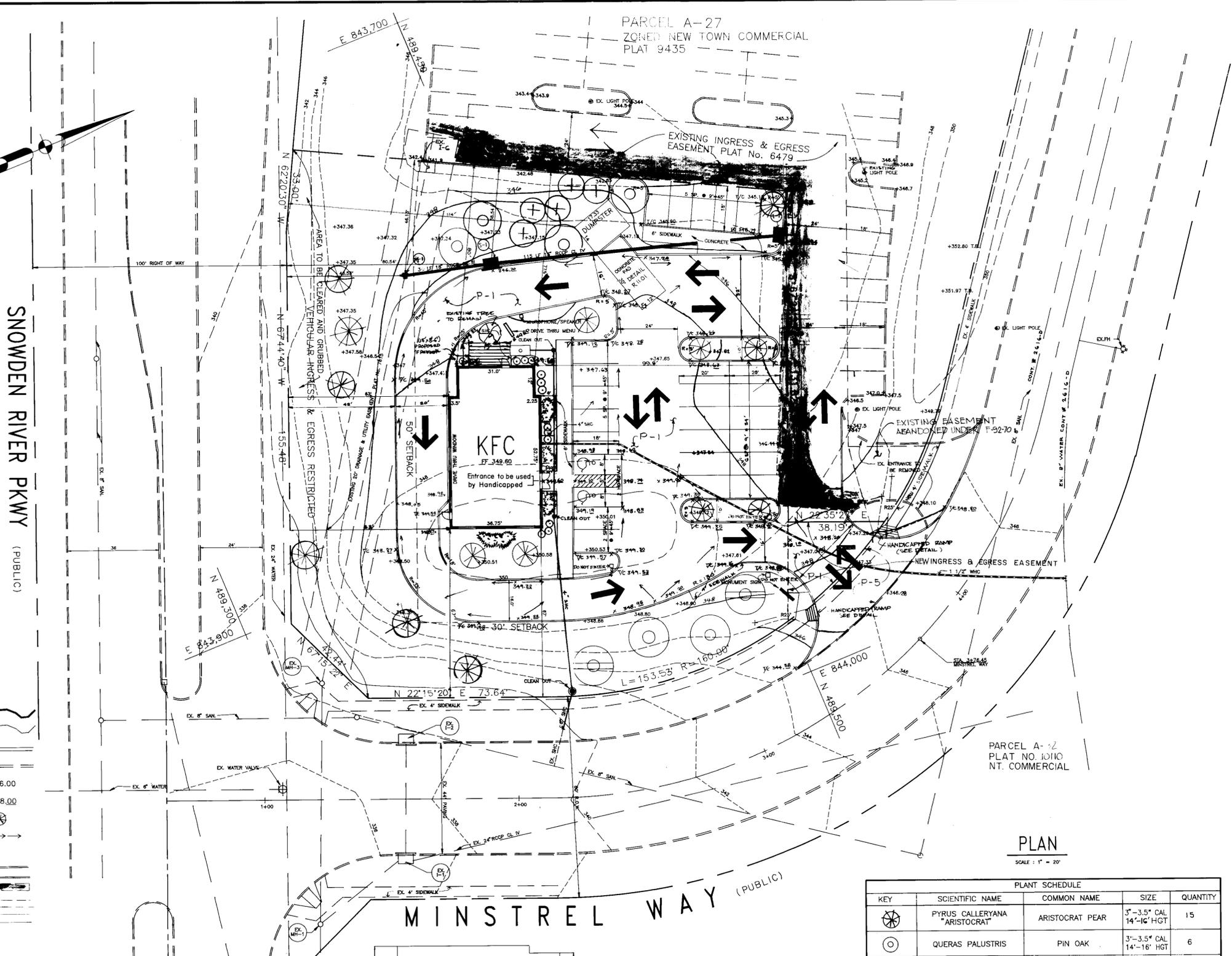
- AREA OF SITE = .933 ACRE = 40,661 S.F.
- MAXIMUM BUILDING HEIGHT = 25.96' FDP DOES NOT SPECIFY MAX. STRUCTURAL HEIGHT.
- ZONING - NEW TOWN COMMERCIAL
- BUILDING USE - FAST FOOD RESTAURANT
- DENSITY CALCULATIONS:

	AREA(S.F.)	PERCENT COVERAGE
A. SITE	40,661	
B. BUILDING	2,310	5.68%
C. PARKING LOT	16,999	41.8%
D. BUILDING AND PARKING LOT	19,309	47.48%
E. LANDSCAPED ISLANDS	7,926	19.49%
F. OPEN SPACE INCLUDING LANDSCAPED ISLANDS	21,352	52.51%

PARKING DATA

NUMBER OF SEATS	40
NUMBER OF EMPLOYEES	6
PARKING REQUIRED	40/3 + 6/2 = 17 (20 MINIMUM)
PARKING PROVIDED	26 SPACES INCLUDES 2 HANDICAPPED PARKING SPACE.

Oct 15, 1991  
cm



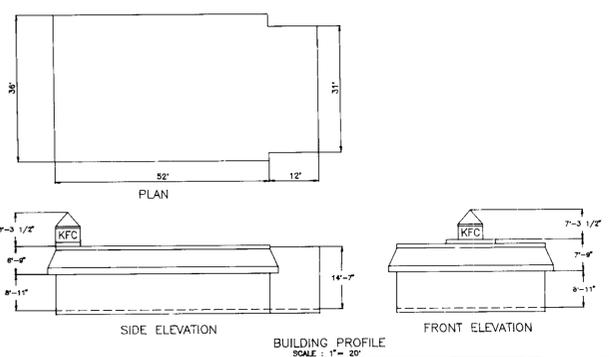
PLAN  
SCALE: 1" = 20'

LEGEND:

PROPOSED GRADE	(Symbol)
EXISTING GRADE	(Symbol)
PROPOSED CURB	(Symbol)
EXISTING CURB	(Symbol)
EX. SPOT ELEV.	+ 346.00
PROP. SPOT ELEV.	x 348.00
TREE	(Symbol)
DRAINAGE FLOW	(Symbol)
TRAFFIC FLOW	(Symbol)
PROPOSED PAVING	(Symbol)
EXISTING PAVING	(Symbol)
EX. SIDEWALK	(Symbol)
PROPOSED SIDEWALK	(Symbol)

PLANT SCHEDULE

KEY	SCIENTIFIC NAME	COMMON NAME	SIZE	QUANTITY
(Symbol)	PYRUS CALLERYANA "ARISTOCRAT"	ARISTOCRAT PEAR	3"-3.5" CAL 14"-16" HGT	15
(Symbol)	QUERUS PALUSTRIS	PIN OAK	3"-3.5" CAL 14"-16" HGT	6
(Symbol)	PLANTANUS ALERFOLIA	LONDON PLANE TREE	3"-3.5" CAL 14"-16" HGT	2
(Symbol)	PINUS STROBUS	WHITE PINE	3"-3.5" CAL 10"-12" HGT	5
(Symbol)	TAXUS BACCATA "REPANDENS"	SPREADING ENGLISH YEW	18"-24" CAL B & B	14
(Symbol)	ILEX CRENATA "COMPACTA"	COMPACT JAPANESE HOLLY	18"-24" CAL B & B	15



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

3-4-92 DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

3/6/92 DATE

3/6/92 DATE

loria engineering inc.  
CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
3230 BETHANY LANE, SUITE 4, ELLICOTT CITY, MD.  
301-465-0400

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

2-5-92 DATE

ADDRESS CHART

PARCEL NO. A-28 7125 MINSTREL WAY SECTION/AREA A-28

SUBDIVISION NAME VILLAGE OF OWEN BROWN SEC. 2 AREA 2 PHASE 2 LOT No. 8061.03

PLAT NUMBER 3 BLOCK NUMBER 3 ZONE NT. COMM. TAX ZONE MAP 42 ELEC. DIST. 6th CENSUS TRAC 8061.03

WATER CODE E-11 SEWER CODE 257 1500

DESIGNED M L L

DRAWN A V G

CHECKED M L L

DATE 8-19-91

SCALE: 1" = 20'

DRWG. NO. 1 of 6

JOB NO.

FILE

SITE DEVELOPMENT PLAN

KENTUCKY FRIED CHICKEN

VILLAGE OF OWEN BROWN, SECTION 2 AREA 2 PHASE 2

PARCEL A-28

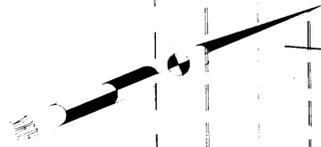
TAX MAP 42 6th ELECTION DISTRICT, HOWARD COUNTY, MD.

OWNER: KENTUCKY FRIED CHICKEN  
NORTHEAST DIVISION  
7250 PARKWAY DRIVE  
HANOVER, MD. 21076

DATE 9/10/91

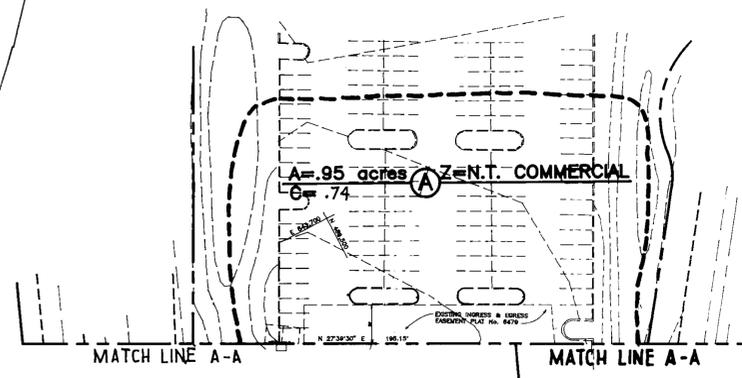
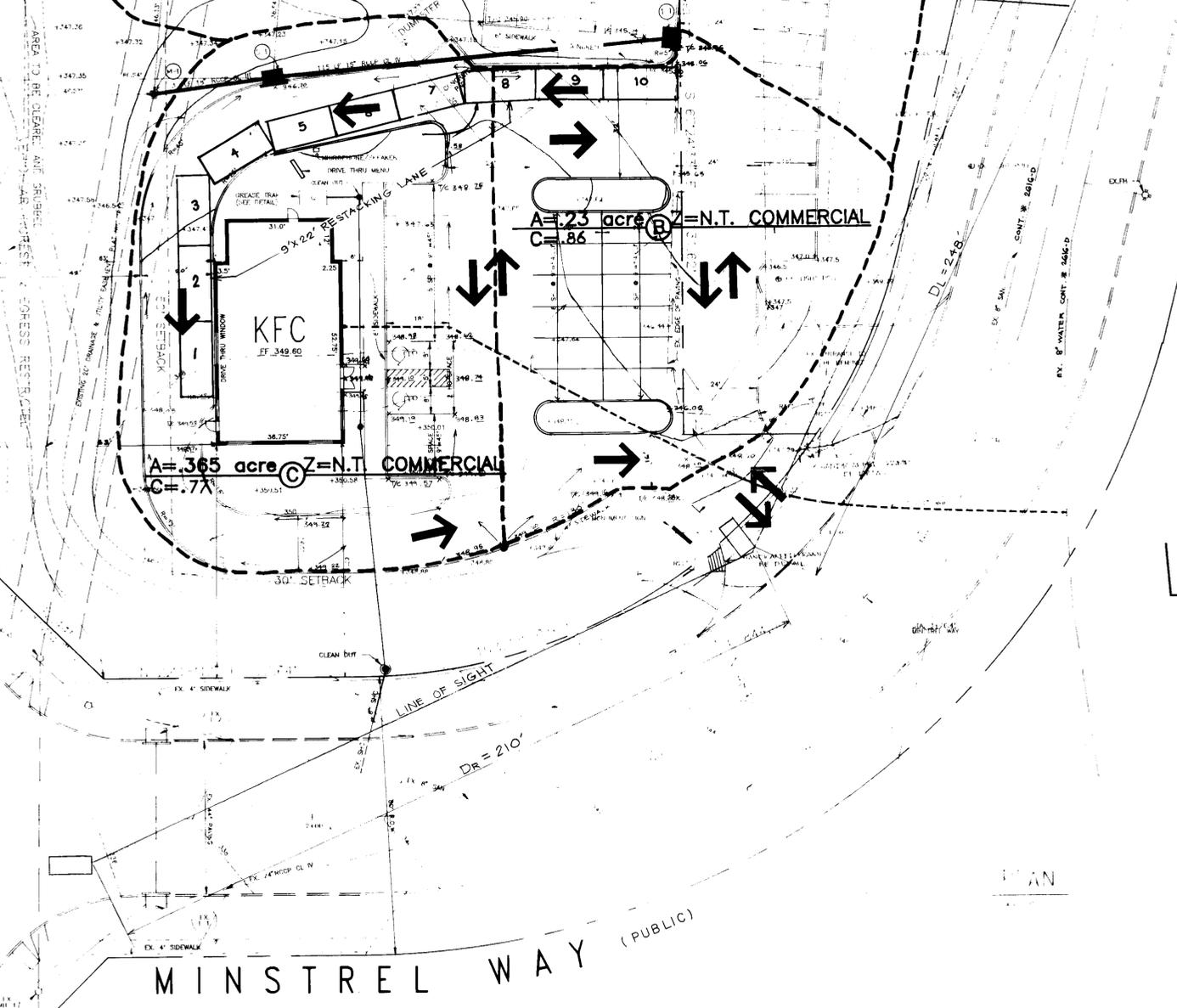
BY JEP

SDP-92-30



SNOWDEN RIVER PKWY (PUBLIC)

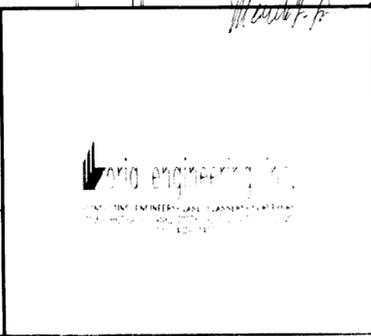
SEE MATCH LINE A-A



LEGEND :

- PROPOSED GRADE
- EXISTING GRADE
- PROPOSED CURB
- EXISTING CURB
- EX. SPOT ELEV.
- PROP. SPOT ELEV.
- TREE
- DRAINAGE FLOW
- LIMIT OF CONSTRUCTION
- SILT FENCE
- STABILIZE CONSTRUCTION ENTRANCE
- PROPOSED PAVING
- EXISTING PAVING
- TRAFFIC FLOW
- STACKING LANE

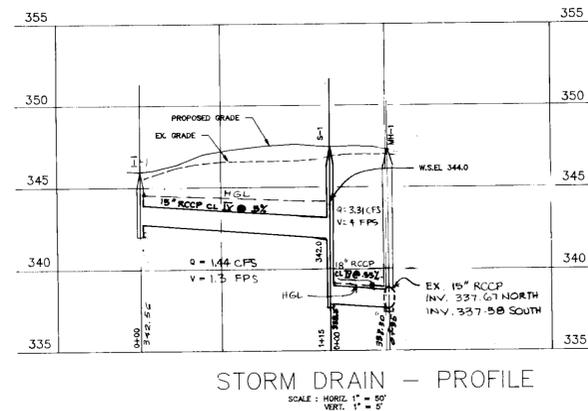
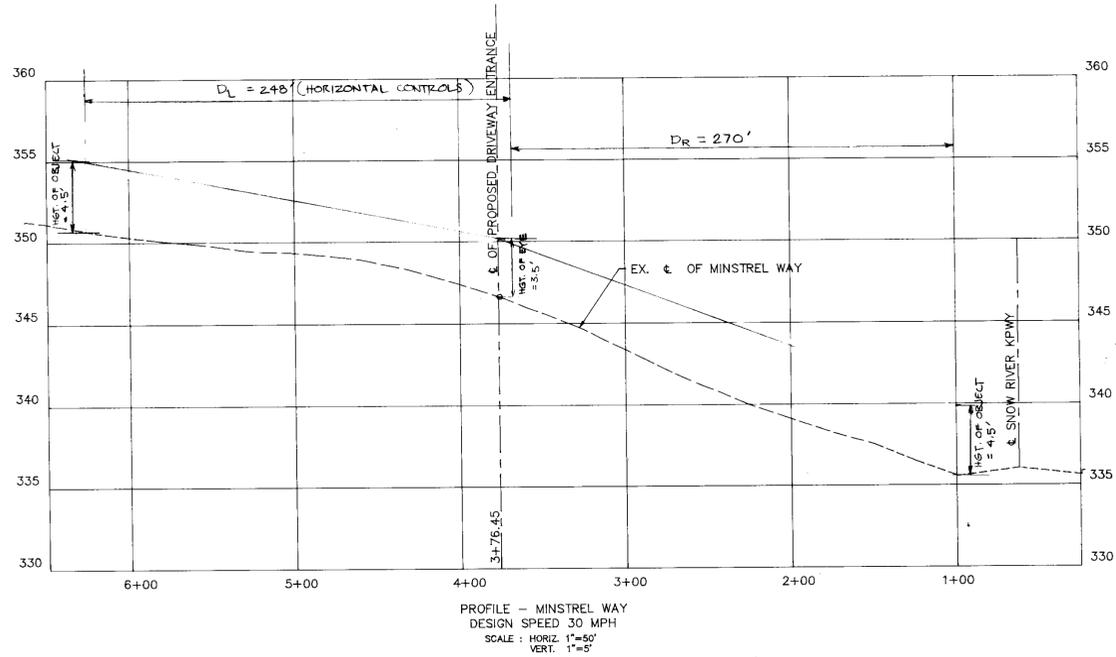
3-4-92  
 3/6/92  
 3/6/92  
 2/21/92  
 2-5-92



Oct 15, 1991

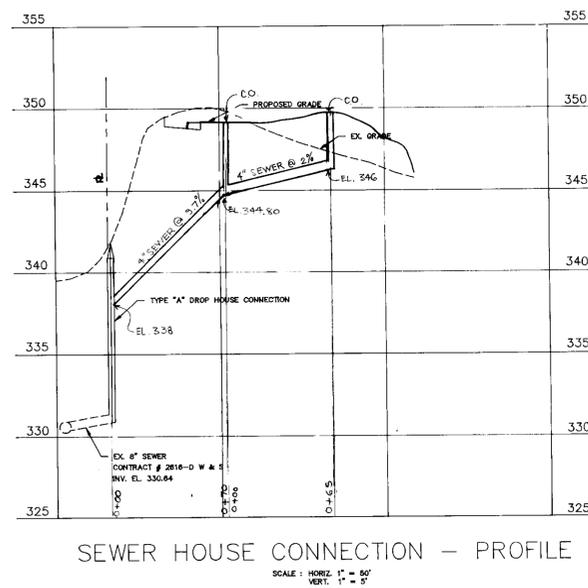
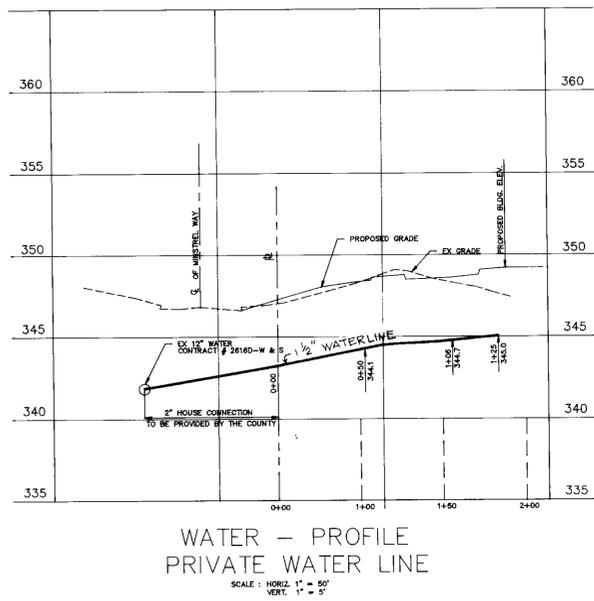
VILLAGE OF OWEN BROWN		SEC. 2 AREA 2	A-28
		PHASE 2	
IOIGG	5	NT COMM	42
	E-11	G.H.	606103
		257 1500	
DRAINAGE AREA MAP			
KENTUCKY FRIED CHICKEN			
PARCEL			

SDP-92-30



STRUCTURE SCHEDULE					
NO.	TYPE	INV. IN	INV. OUT	TOP EL.	REMARKS
I-1	A-5		342.56	345.56	SD 4.4.0
S-1	OIL AND GRIT SEPARATOR (4'-0" DIA)	342.00	338.50	347.28	SD 4.4.0 (SEE DETAIL SH. 4)
M-1	STD. MANHOLE	338.50	337.50	348.20	SD 4.4.0

- MAINTENANCE NOTES (WATER QUALITY STRUCTURE WASTE)
1. WATER QUALITY STRUCTURES WILL REQUIRE PERIODICAL CLEANING. OWNERS OF THESE FACILITIES WILL HAVE TO CLEAN THEM AS NEEDED OR ON A FREQUENCY THAT THE COUNTY DETERMINES AS APPROPRIATE. OWNERS OF THESE WATER QUALITY STRUCTURES WILL BE NOTIFIED BY THE COUNTY OF THE FREQUENCY OF MAINTENANCE.
  2. 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 INSPECTION OF THESE FACILITIES WILL BE MADE BY THE COUNTY STORMWATER MANAGEMENT GROUP.
  3. 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.
  4. THE INLET PIPES, TRASH RACKS, GRATES AND STRUCTURAL PARTS SHALL BE REPAIRED AS NEEDED.



NOTE:  
PRIOR TO CONSTRUCTION OF OIL AND GRIT SEPARATOR S-1 VERIFY THE INVERT ELEVATION OF EXISTING PIPE AT CONNECTION POINT (MH-1). ANY DISCREPANCY SHOULD BE DIRECTED TO THE ENGINEER'S ATTENTION IMMEDIATELY.

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

*Joseph J. [Signature]* 3/4/92  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Thomas U. McLaughlin* 3/6/92  
PLANNING DIRECTOR DATE

*Shirley Holmwood* 3/6/92  
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

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

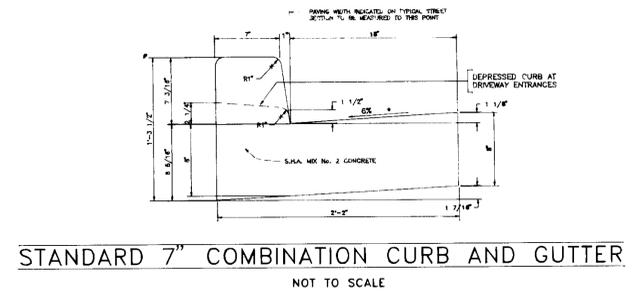
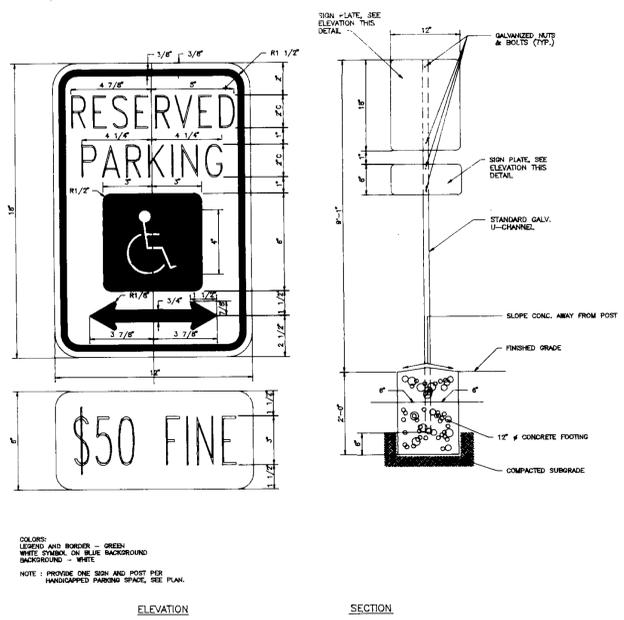
*James [Signature]* 2/21/92  
DIRECTOR DATE

*William B. Ray* 2/21/92  
CHIEF, BUREAU OF ENGINEERING DATE

**oria engineering inc.**  
CONSULTING ENGINEERS • LAND PLANNERS • SURVEYORS  
3230 BETHANY LANE, SUITE 4  
ELLCOTT CITY, MARYLAND 21043  
TEL. (301) 465-0400

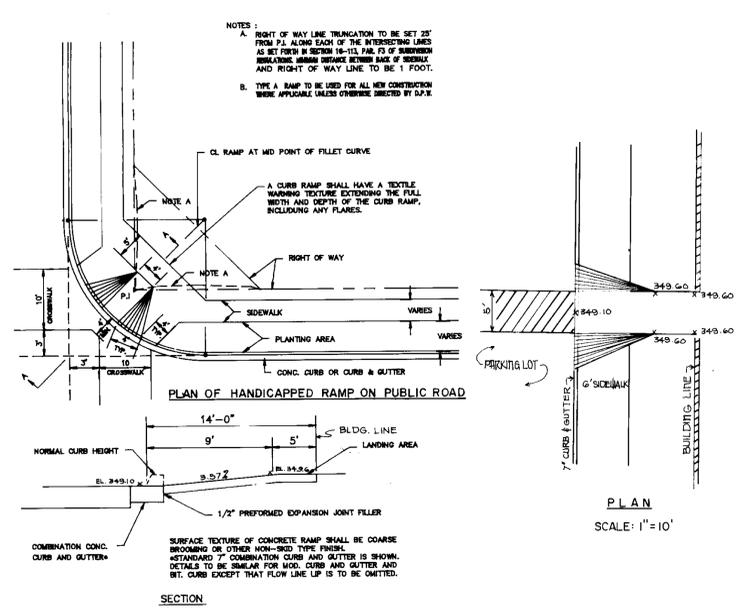
SUBDIVISION NAME: <b>VILLAGE OF OWEN BROWN</b>		SECTION/AREA <b>SEC. 2 AREA 2 PHASE 2</b>	LOT NO. <b>A-28</b>
PLAT NO. 10166	BLOCK NO. 3	ZONE NT.CDMM	TAX-ZONE/ELECT. DIST. CENSUS TR. 42 6th 6061.03
WATER CODE E-11		SEWER CODE 257 1500	
DESIGNED M L L	DRAWN A V G		CHECKED M L L
DATE 7-24-91			SCALE: AS SHOWN DRAWING NO. <b>3 of 6</b> JOB NO.
TAX MAP 42 OWNER: KENTUCKY FRIED CHICKEN 7250 PARKWAY DRIVE MANASSAS, VA 20108			

Oct 15, 1991  
LAW



**PAVING SECTIONS**

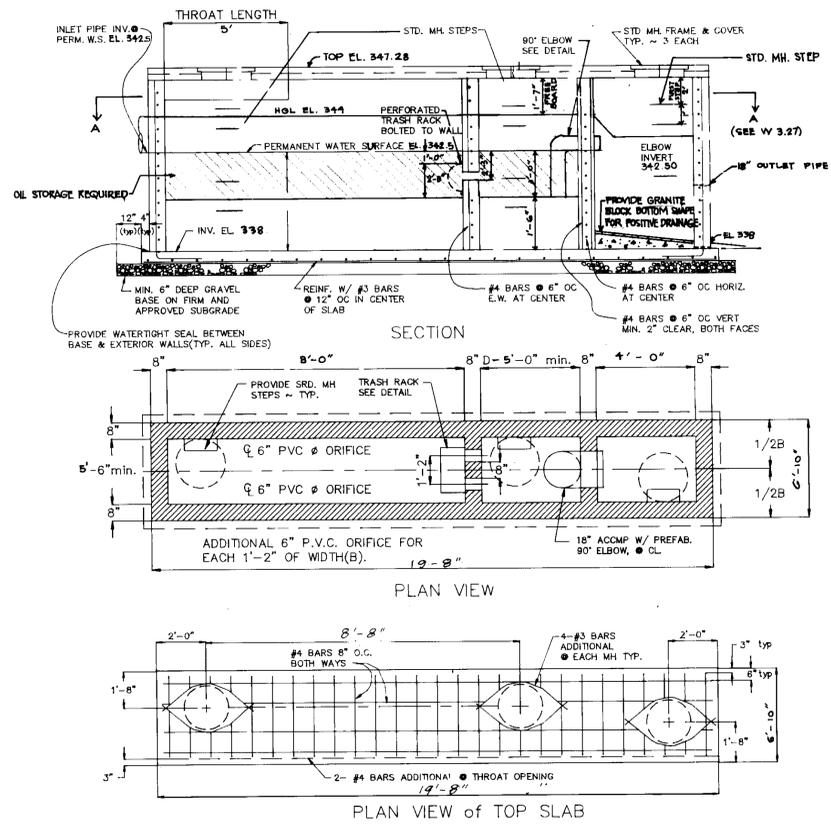
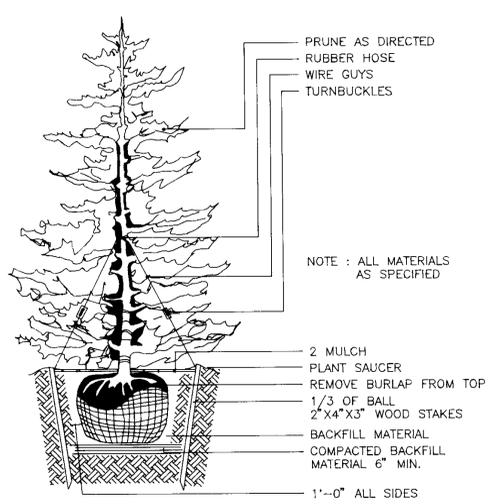
SECTION NUMBER	ROAD AND STREET CLASSIFICATION	PAVEMENT MATERIALS	GRANULAR BASE ALTERNATIVES
P-1	RESIDENTIAL APARTMENTS AND COMMERCIAL-INDUSTRIAL ZONES WITH HEAVY TRUCKS	1" BIT. CONC. SURFACE 4" BIT. CONC. BASE	2" BIT. CONC. BASE 6" GRADED AGGREGATE BASE (GAB)
P-5	COMMERCIAL-INDUSTRIAL ZONES WITH HEAVY TRUCKS	1 1/2" BIT. CONC. SURFACE 4 1/2" BIT. CONC. BASE 8" BIT. CONC. BASE	1 1/2" BIT. CONC. BASE 1 1/2" BIT. CONC. BASE 6" GRADED AGGREGATE BASE (GAB)



ITEM	QUANTITY
BITUMINOUS CONCRETE	1,698.18 S.Y.
P-1	99.72 S.Y.
P-5	1 EACH
INLETS	1 EACH
MANHOLES	1 EACH
OIL & GRIT SEPARATOR	1 EACH
4" SANITARY SEWER	135 L.F.
1 1/2" WATER	136 L.F.
15" RCCP CL IV STORM DRAINAGE	115 L.F.
CURB & GUTTER	1,346.03 L.F.
SIDEWALKS	123.8 S.F.
DUMPSTER PAD	360 S.F.
EARTHWORK	270 C.Y.
CUT	270 C.Y.
FILL	270 C.Y.
18" RCCP CL III	35 L.F.

**HANDICAPPED SIGN AND POST**

NOT TO SCALE

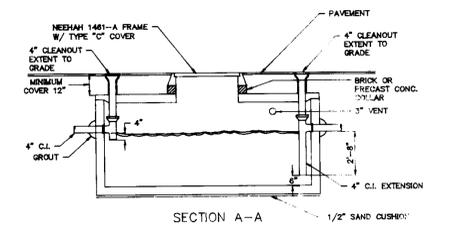
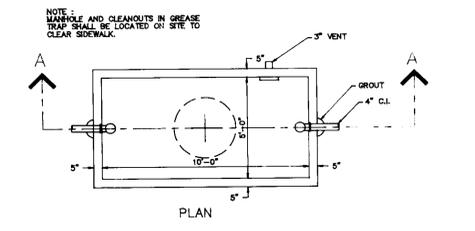
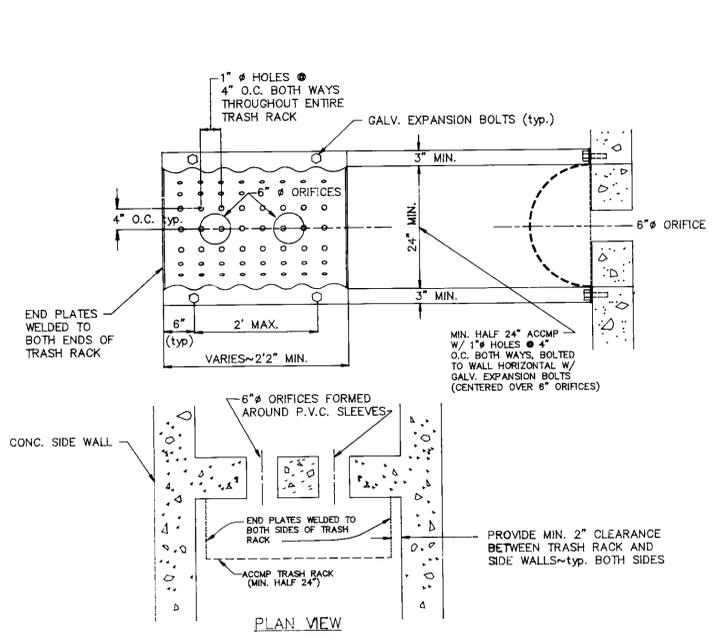


**WATER QUALITY CONTROL STRUCTURE S-1**

SCALE: 1/4" = 1'-0"

**HANDICAPPED RAMP DETAIL**

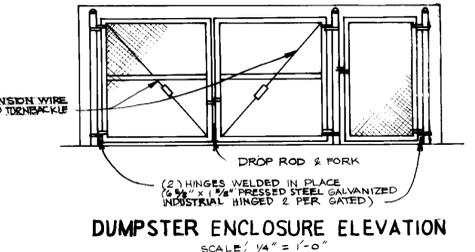
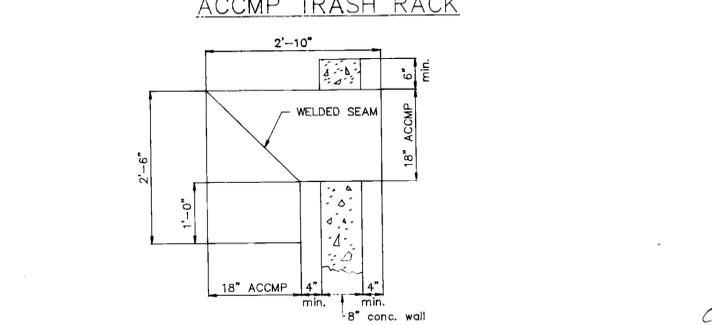
NOT TO SCALE



**GREASE TRAP DETAIL**

1000 GALLONS

NOT TO SCALE



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

*Joseph Boyd* 3-4-92 DATE  
DIRECTOR

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*David Schaefer* 3/1/92 DATE  
PLANNING DIRECTOR

*Bluma Holm* 3/16/92 DATE  
DIRECTOR

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

*Ronald Lee* 2/21/92 DATE  
DIRECTOR

*William Brown* 2-2-92 DATE  
CHIEF, BUREAU OF ENGINEERING

*William Brown*  
CONSULTING ENGINEER, PLANNERS & SURVEYORS  
2239 BETHANY AVE., SUITE 4  
FELICITY CITY, MARYLAND 21047  
TEL: (301) 465-1400

SUBDIVISION NAME:	SECTION/AREA	LOT NO.
VILLAGE OF OWENBROWN	SEC. 2 AREA 2 PHASE 2	A-28
PLAT NO. BLOCK NO. ZONE	TAX-ZONE	ELECT. DIST.
101GG 5 NT COMM	42	6061.03
WATER CODE	SEWER CODE	
E-11	2571500	
DESIGNED:	DETAILS	
M L L	KENTUCKY FRIED CHICKEN	
DRAWN:	VILLAGE OF OWENBROWN	
A V G	PARCEL A-28	
CHECKED:	SCALE: AS SHOWN	
M L L	DRAWING NO. 4 of 6	
DATE:	JOB NO.	
7-25-91		
TAX MAP 42	OWNER: KENTUCKY FRIED CHICKEN	
	NORTH EAST DIVISION	
	2250 PARKWAY DRIVE	
	HANOVER, MD. 21076	

PAPER A-2  
 ZONE NEW TOWN COMMERCIAL  
 PLAT 8435

SEQUENCE OF CONSTRUCTION

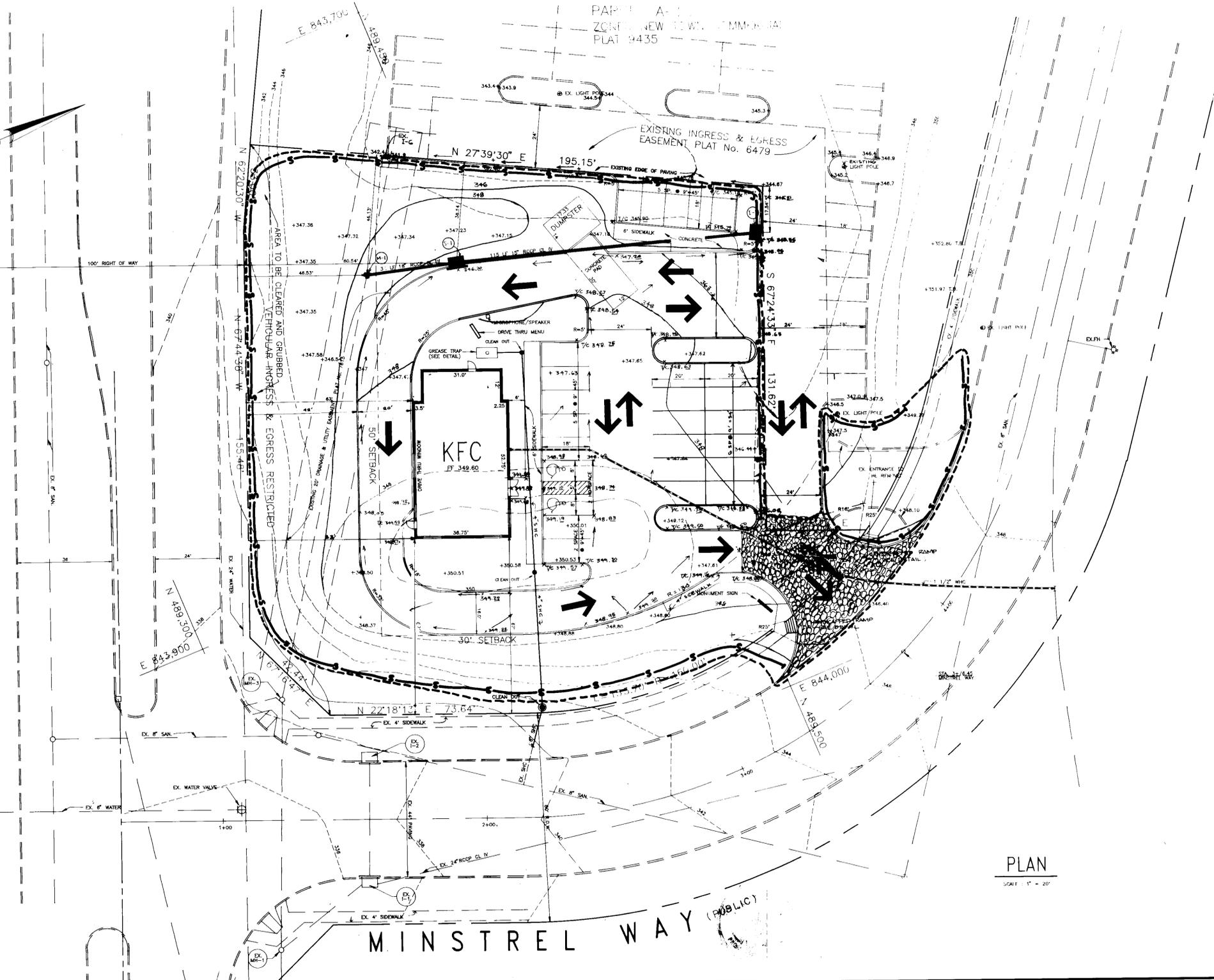
1. OBTAIN GRADING PERMIT.
2. INSTALL ALL SEDIMENT CONTROL STRUCTURES SHOWN ON THIS PLAN WITH THE EXCEPTION OF THE SILT FENCE AT THE EXISTING ENTRANCE. THIS ENTRANCE SHALL REMAIN OPEN DURING CONSTRUCTION.
3. CONSTRUCT BUILDING AND PARKING AREA
4. INSTALL SEDIMENT CONTROL MEASURES ON EXISTING ENTRANCE, REMOVE PAVEMENT AND GRADE IT IN ACCORDANCE WITH THE PLAN.
5. STABILIZE ALL DISTURBED AREAS. SEDIMENT CONTROL MEASURES MAYBE REMOVED UPON PERMISSION FROM HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

NOTE : SOIL MAP WITHIN SITE IS Brc3

SNOWDEN RIVER PKWY (PUBLIC)

MINSTREL WAY (PUBLIC)

- LEGEND :
- PROPOSED GRADE
  - EXISTING GRADE
  - PROPOSED CURB
  - EXISTING CURB
  - EX. SPOT ELEV. + 346.00
  - PROP. SPOT ELEV. x 348.00
  - TREE
  - DRAINAGE FLOW
  - LIMIT OF CONSTRUCTION
  - SILT FENCE
  - STABILIZE CONSTRUCTION ENTRANCE
  - PROPOSED PAVING
  - EXISTING PAVING
  - TRAFFIC FLOW



PLAN  
 SCALE: 1" = 20'

Oct 15, 91  
 con

APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER  
 3-4-92 DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 PLANNING DIRECTOR  
 CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 3/6/92 DATE

APPROVED : FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.  
 DIRECTOR  
 CHIEF, BUREAU OF ENGINEERING  
 2/6/92 DATE

**loria engineering inc.**  
 CONSULTING ENGINEERS-LAND PLANNERS-SURVEYORS  
 3230 BETHANY LAKE, SUITE 4, ELICOTT CITY, MD.  
 301-465-0400

These plans have been reviewed for the Howard Soil Conservation district and meet the technical requirements for the Soil and Sediment Control.

*John R. Robertson* 1/27/92  
 Soil Conservation Service Date

These plans for Soil and Sediment Control meet the requirements of the Howard County Soil Conservation District.

*John R. Robertson* 1/27/92  
 Howard Soil Conservation District Date

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 and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District.

*Michael P. [Signature]* 8-19-91  
 SIGNATURE OF ENGINEER DATE

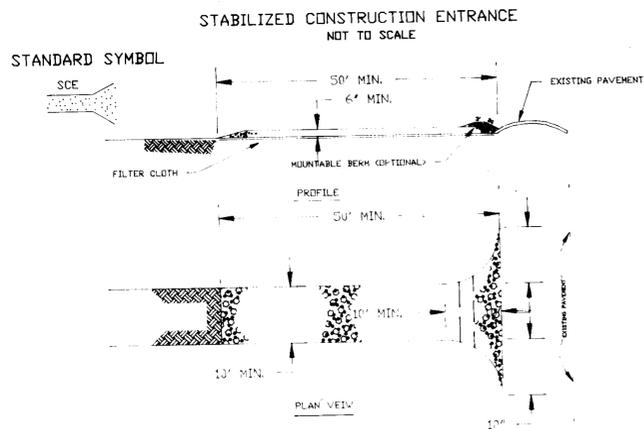
DEVELOPER'S/BUILDER'S CERTIFICATE

I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.

*David M. [Signature]* 8-19-91  
 BUILDER/DEVELOPER DATE

SUBDIVISION NAME: VILLAGE OF OWEN BROWN		SECTION/AREA SEC. 2 AREA 2 PHASE 2	LOT NO. A-28
PLAT NO. OIGG	BLOCK NO. 3	ZONE NT COMM	TAX-ZONE 42
ELECT. DIST. Gth		CENSUS TR. 6061.03	
WATER CODE E-11		SEWER CODE 2571500	
DESIGNED M L L	SEDIMENT AND EROSION CONTROL PLAN		SCALE : 1" = 20'
DRAWN A V G	KENTUCKY FRIED CHICKEN		DRWG NO. 5 of 6
CHECKED M L L	VILLAGE OF OWEN BROWN SEC. 2 AREA 2 PHASE II		JOB NO.
DATE 8-16-91	TAX MAP 42	6th ELECTION DISTRICT, HOWARD COUNTY, MD.	FILE
OWNER : KENTUCKY FRIED CHICKEN NORTHEAST DIVISION 7230 PARKWAY DRIVE HANOVER, MD. 21076			

'SDA 92-30



**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, UNLESS PREVIOUSLY LOOSENEED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 600 LBS PER ACRE (14 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THRU JULY 31; SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (05 LBS/1000 SQ FT) OF 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 SOD, OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL-ANCHORED STRAW.
- 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 (14 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE, FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (05 LBS/1000 SQ FT) OF 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 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 REDISTURBED 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, UNLESS PREVIOUSLY LOOSENEED.

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 2 1/2 BUSHEL PER ACRE OF ANNUAL RYE (32 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 OR USE SOD.

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 FT OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

**STANDARD AND SPECIFICATION FOR VEGETATIVE STABILIZATION WITH SOD**

1. CLASS OF TURFGRASS SOD SHALL BE MARYLAND OR VIRGINIA STATE CERTIFIED, OR MARYLAND OR VIRGINIA STATE APPROVED SOD.
  2. SOD SHALL BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 3/4 INCH PLUS OR MINUS 1/4 INCH, AT THE TIME OF CUTTING. MEASUREMENT FOR THICKNESS SHALL EXCLUDE TOP GROWTH AND THATCH.
  3. STANDARD SIZE SECTIONS OF SOD SHALL BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT, AND RETAIN THEIR SIZE AND SHAPE WHEN SUSPENDED VERTICALLY WITH A FIRM GRASP ON THE UPPER 10 PERCENT OF THE SECTION.
  4. INDIVIDUAL PIECES OF SOD SHALL BE CUT TO THE SUPPLIER'S WIDTH AND LENGTH, MAXIMUM ALLOWABLE DEVIATION FROM STANDARD WIDTHS AND LENGTHS SHALL BE 5 PERCENT. BROKEN PADS AND TORN OR UNEVEN ENDS WILL NOT BE ACCEPTABLE.
  5. SOD SHALL NOT BE HARVESTED OR TRANSPORTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
  6. SOD SHALL BE HARVESTED, DELIVERED AND INSTALLED WITHIN A PERIOD OF 36 HOURS. SOD NOT TRANSPORTED WITHIN THIS PERIOD SHALL BE INSPECTED AND APPROVED PRIOR TO ITS INSTALLATION.
1. SITE PREPARATION
- FERTILIZER AND LIME APPLICATION RATES SHALL BE DETERMINED BY SOIL TESTS. UNDER UNUSUAL CIRCUMSTANCES WHERE THERE IS INSUFFICIENT TIME FOR A COMPLETE SOIL TEST, FERTILIZER AND LIME MATERIALS MAY BE APPLIED IN AMOUNTS SHOWN UNDER B, BELOW.
- A. PRIOR TO SODDING, THE SURFACE SHALL BE CLEARED OF ALL TRASH, DEBRIS, AND OF ALL ROOTS, BRUSH, WIRE, GRADE STAKES, AND OTHER OBJECTS THAT WOULD INTERFERE WITH PLANTING, FERTILIZING OR MAINTENANCE OPERATIONS.
  - B. WHERE THE SOIL IS ACID OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 2 TONS/ACRE OR 100 POUNDS PER 1,000 SQUARE FEET. IN ALL SOILS 1,000 POUNDS PER ACRE OR 25 POUNDS PER 1,000 SQUARE FEET OF 10-10-10 FERTILIZER OR EQUIVALENT SHALL BE UNIFORMLY APPLIED AND MIXED INTO THE TOP 3 INCHES OF SOIL WITH THE REQUIRED LIME.
  - C. ALL AREAS RECEIVING SOD SHALL BE UNIFORMLY FINE GRADED. HARD-PACKED EARTH SHALL BE SCARIFIED PRIOR TO PLACEMENT OF SOD.

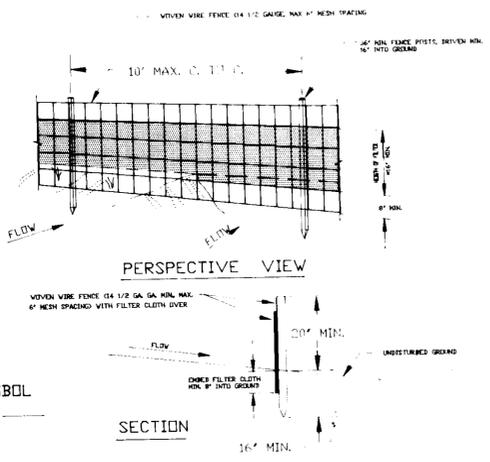
**GENERAL NOTES**

- 1) REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
  - 2) WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT. CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE COUNTY SOIL CONSERVATION DISTRICT.
  - 3) AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
  - 4) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A) SEVEN CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES GREATER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1) AND B) FOURTEEN DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
  - 5) ANY CHANGE TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO COUNTY SOIL CONSERVATION DISTRICT FOR APPROVAL.
  - 6) DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, PP 62.01 AND 62.02 FOR ACCEPTABLE METHODS AND SPECIFICATIONS FOR DUST CONTROL.
  - 7) ANY VARIATION FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
  - 8) EXCESS CUT OR BORROW MATERIAL SHALL GO TO OR COME FROM, RESPECTIVELY, A SITE WITH AN APPROVED SEDIMENT CONTROL PLAN.
- THE FOLLOWING ITEM MAY BE USED AS APPLICABLE:
- 9) REFER TO 'MARYLAND'S GUIDELINES TO WATERWORKS CONSTRUCTION' BY THE WATER RESOURCES ADMINISTRATION (WRA), DATED JANUARY, 1986 FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN FOR WATERWAY CONSTRUCTION.

**CONSTRUCTION SPECIFICATION**

1. STONE SIZE - USE #1 STONE, OR RECYCLED CONCRETE EQUIVALENT.
2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 20 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30' MINIMUM LENGTH WILL APPLY).
3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
4. WIDTH - TEN (10) FOOT MINIMUM, BUT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
5. FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED IN A SINGLE FAMILY RESIDENCE LOT.
6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PREVENTED ACROSS THE ENTRANCE. IF PAVING IS IMPRACTICAL, A MOUNTABLE BERM WITH 24" SLOPES WILL BE PERMITTED.
7. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING OR CLEANING OF ANY MEASURES. USE TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DRIPPED, WASHED OR TRACKED INTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO PUBLIC RIGHTS-OF-WAY. WHEN IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WASHED DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
9. PERIODIC INSPECTION AND NEEDED MAINTENANCE, SHALL BE PROVIDED AFTER EACH RAIN.

**SILT FENCE**



**CONSTRUCTION NOTES FOR FABRICATION SILT FENCE**

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIPS OR STAPLES.
  2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
  3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FILLED.
  4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.
- POSTS: STEEL EITHER 1 OR 1 1/2" TYPE OR HARDWOOD
- FENCE: WOVEN WIRE, 147 GAL, 6" MAX. MESH SPACING
- FILTER CLOTH: FILTER X, MESH 100 X, STAPLE LINKS 1 1/4" OR APPROVED EQUAL, PREFABRICATED WITH GEFIBAR, ENVIRONMENT, OR APPROVED EQUAL.

- 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. (990-0437)
- 2) 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.
- 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- 4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS MUST BE PLACED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 17, 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 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:
 

INITIAL AREA OF SITE	1.93	ACRES
AREA DISTURBED	1.20	ACRES
AREA TO BE RITIFIED OR PAVED	1.24	ACRES
AREA TO BE VEGETATIVELY STABILIZED	1.36	ACRES
TOTAL CUT	270	CU. YDS
TOTAL FILL	270	CU. YDS
OFF-SITE WASTE/BORROW AREA LOCATION	N/A	
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 CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
10. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL BY 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.

APPROVED

Oct 15, 1991

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

*[Signature]* 3-4-92  
DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*[Signature]* 10/15/91  
DATE

*[Signature]* 10/15/91  
DATE

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

*[Signature]* 10/15/92  
DATE

*[Signature]* 10/15/92  
DATE

**oria engineering inc.**  
CONSULTING ENGINEERS \* LAND PLANNERS \* SURVEYORS  
3330 BETHANY LANE, SUITE 4  
ELLCOTT CITY, MARYLAND 21043  
TEL. (301) 465-0400

These plans have been reviewed for the Howard Soil Conservation District and meet the technical requirements for soil and sediment control.

*[Signature]* 11/27/92  
DATE

These plans for soil and sediment control meet the requirements of the Howard Soil Conservation District.

*[Signature]* 1/27/92  
DATE



**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 and conditions and it was prepared in accordance with the requirements of Howard Soil Conservation District.

*[Signature]* 3-19-91  
DATE

*[Signature]* 3-19-91  
DATE

**DEVELOPER'S/BUILDER'S CERTIFICATE**

I/We certify that all development and construction will be done in accordance with this plan, and that any responsible personnel involved in the construction will have a Certificate of Attendance at the Department of the Environment, Approved Training Program for the Control of Sediment before beginning the project. I also authorize periodic inspection by the Howard Soil Conservation Service.

*[Signature]* 8-19-91  
DATE

KENTUCKY FRIED CHICKEN VILLAGE OF OWEN BROWN SEC.2, AREA 2 PHASE II PARCEL A-28		
<b>SEDIMENT AND EROSION CONTROL NOTES</b>		
owner:	KENTUCKY FRIED CHICKEN NORTHEAST DIVISION 7250 PARKWAY DRIVE HANOVER, MD. 21076	
SCALE:	DATE: 7-25-91	SHEET 6 of 6
DESIGNED:	DRAWN:	CHECKED:
		301-92-80