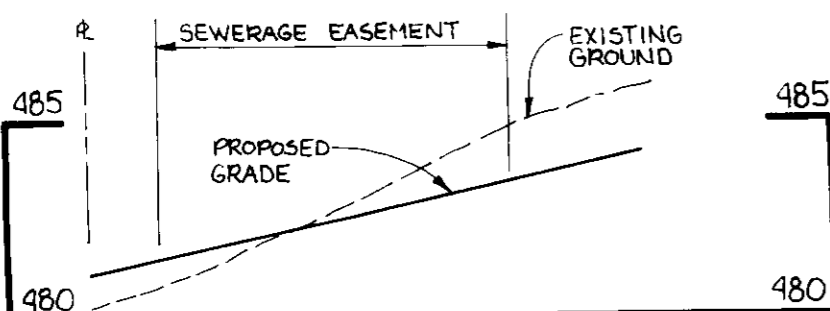


PRIVATE WATER AND SEWER NOTES

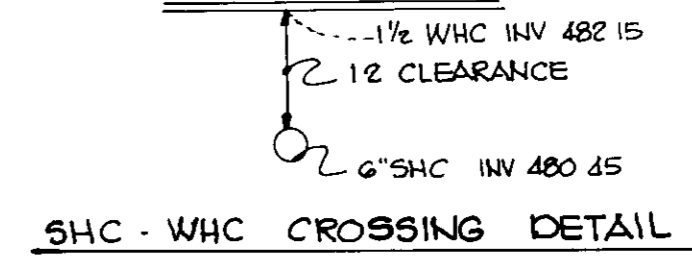
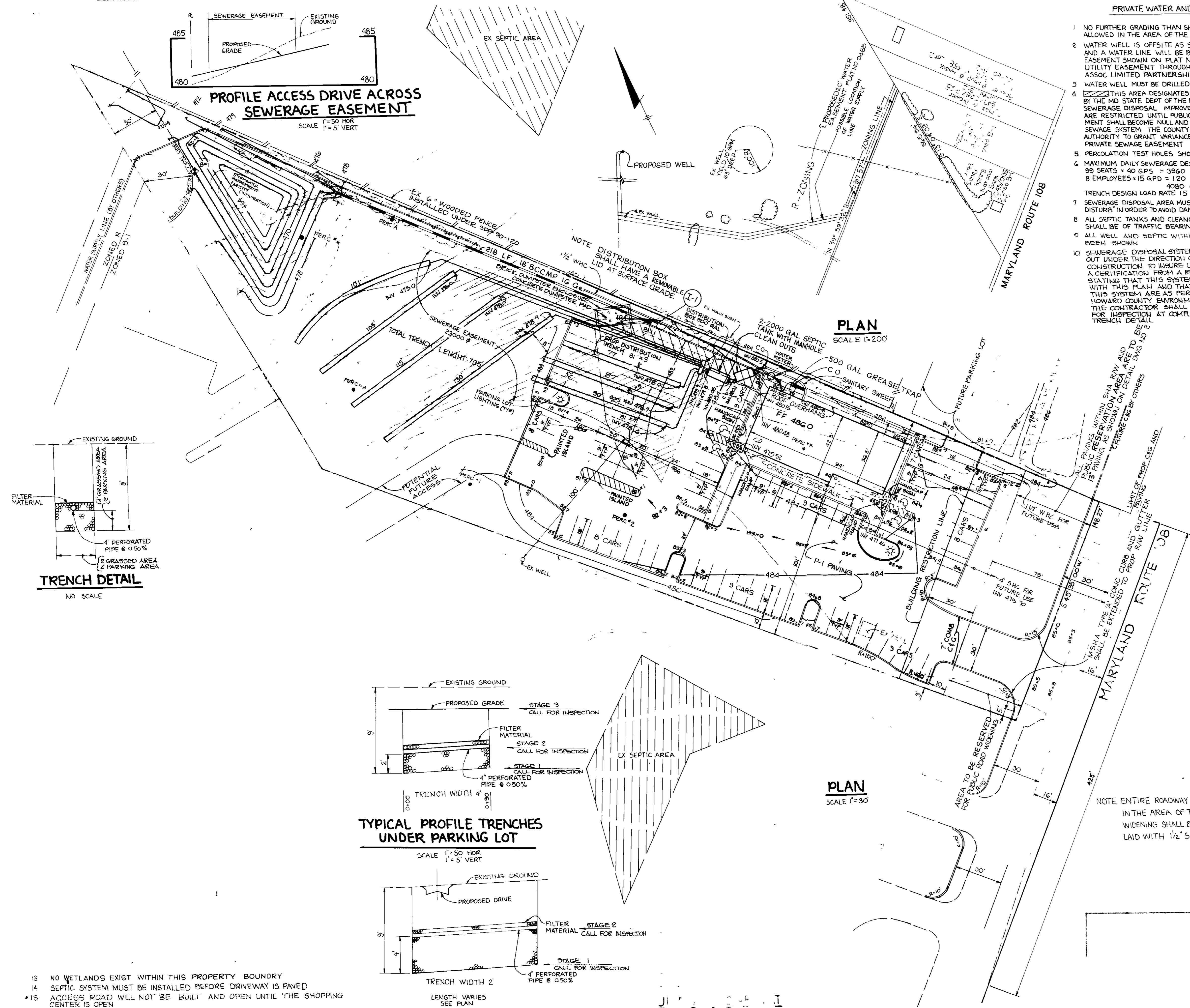
- NO FURTHER GRADING THAN SHOWN ON THESE PLANS SHALL BE ALLOWED IN THE AREA OF THE SEWER DISPOSAL EASEMENT
- WATER WELL IS OFFSITE AS SHOWN ON SCHEMATIC PLAN BELOW AND A WATER LINE WILL BE BUILT IN THE EXISTING WATER EASEMENT SHOWN ON PLAT NO 9455 AND THE WATER AND UTILITY EASEMENT THROUGH THE PROPERTY OF RIVER HILL ASSOC LIMITED PARTNERSHIP
- WATER WELL MUST BE DRILLED BEFORE BUILDING PERMIT APPROVAL
- THIS AREA DESIGNATES A PRIVATE EASEMENT AS REQUIRED BY THE MD STATE DEPT OF THE ENVIRONMENT FOR INDIVIDUAL SEWER DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWER EASEMENT
- PERCOLATION TEST HOLES SHOWN HEREON ARE SHOWN AS PERC#
- MAXIMUM DAILY SEWERAGE DESIGN FLOW ALLOCATION 4080 GPD
99 SEATS x 40 G.P.S. = 3960
8 EMPLOYEES x 15 G.P.D. = 120
4080 G.P.D.
- TRENCH DESIGN LOAD RATE 15 G.P.S.F/DAY
- SEWERAGE DISPOSAL AREA MUST BE STAKED AND POSTED "DO NOT DISTURB" IN ORDER TO AVOID DAMAGE TO THE LIMITED DISPOSAL AREA
- ALL SEPTIC TANKS AND CLEANOUTS WITHIN THE PARKING AREA SHALL BE OF TRAFFIC BEARING CONSTRUCTION
- ALL WELL AND SEPTIC WITHIN 100' OF THE PROPERTY HAVE BEEN SHOWN
- SEWERAGE DISPOSAL SYSTEM INCLUDING TRENCHES SHALL BE STAKED OUT UNDER THE DIRECTION OF A REGISTERED SURVEYOR PRIOR TO CONSTRUCTION TO INSURE LOCATION OF THIS SYSTEM AS PER PLAN. A CERTIFICATION FROM A REGISTERED ENGINEER OR SURVEYOR STATING THAT THIS SYSTEM WAS INSTALLED IN ACCORDANCE WITH THIS PLAN AND THAT THE SUBGRADE IN THE AREA OF THIS SYSTEM ARE AS PER PLAN SHALL BE SUBMITTED TO THE HOWARD COUNTY ENVIRONMENTAL HEALTH DEPT PRIOR TO PAVING THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD FOR INSPECTION AT COMPLETION OF EACH STAGE SHOWN ON TRENCH DETAIL

PROFILE ACCESS DRIVE ACROSS SEWERAGE EASEMENT

SCALE: 1"=50' HOR
1"=5' VERT

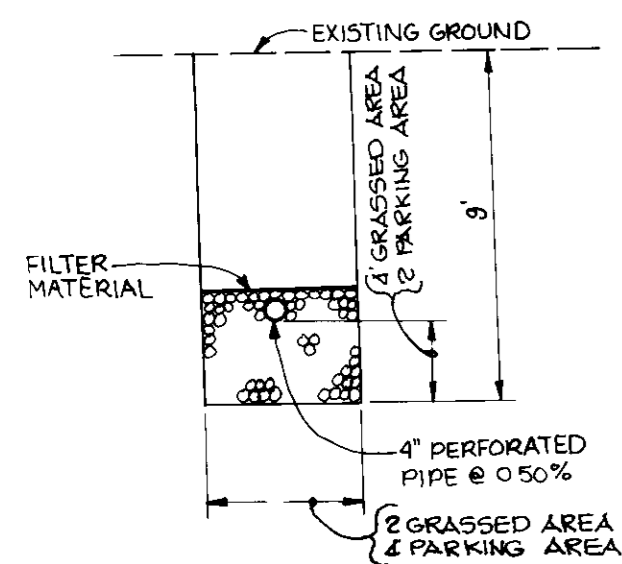


PLAN SCALE 1"=200'



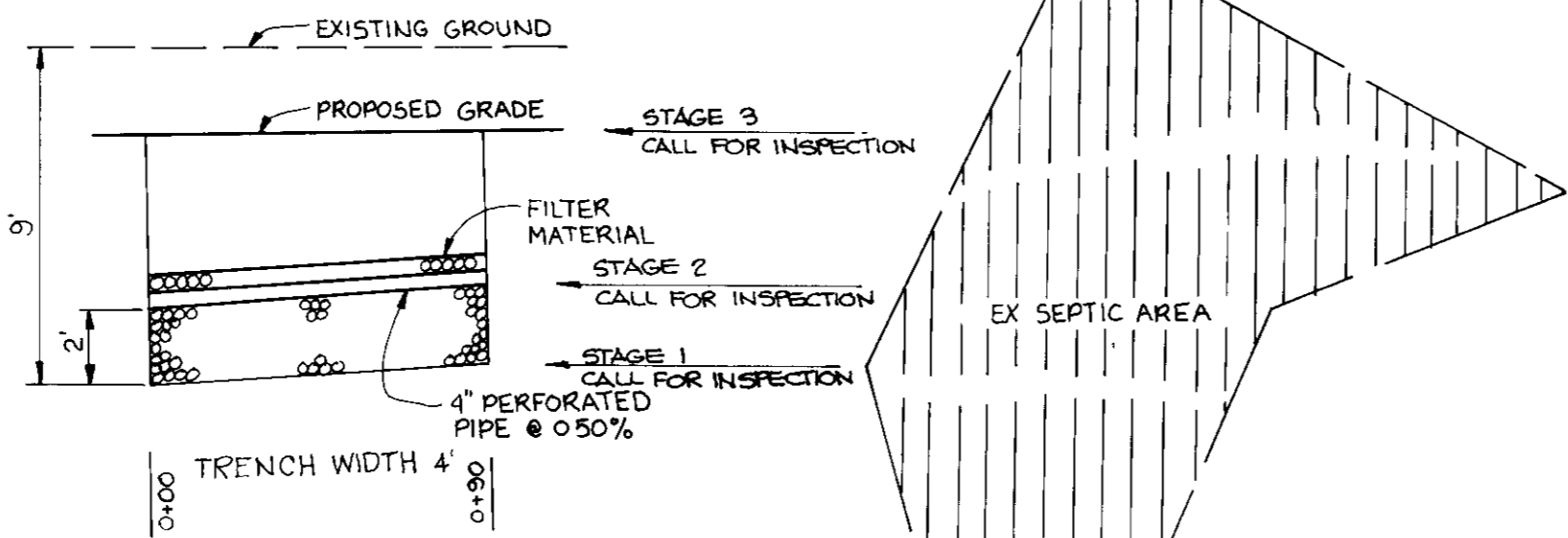
NOTE: 3 1/4" W PIZZA HUT OF MARYLAND, INC HEREBY RESERVES UNTO ITSELF AND ITS ASSIGNS THE RIGHT AND PRIVILEGE IN ITS ABSOLUTE DISCRETION TO REGULATE TRAFFIC ENTERING THE PROPERTY FROM THE CLARKSVILLE SHOPPING CENTER, INCLUDING, BUT NOT LIMITED TO SPEED, SIGNAGE AND HOURS OF ACCESS, AS WELL AS CLOSING OFF ACCESS THERETO. PIZZA HUT WILL NOT CLOSE THE ACCESS PERMANENTLY WITHOUT GIVING 45 DAYS NOTICE TO THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING AND THE MARYLAND STATE HIGHWAY ADMINISTRATION. DURING THAT TIME PERIOD, THE COUNTY AND STATE WILL EXPRESS ANY CONCERNS THEY MAY HAVE REGARDING THE TRAFFIC IMPACT AND THE OWNER WILL ENTERTAIN THESE CONCERNS PRIOR TO REACHING ANY DECISION.

TRENCH DETAIL NO SCALE



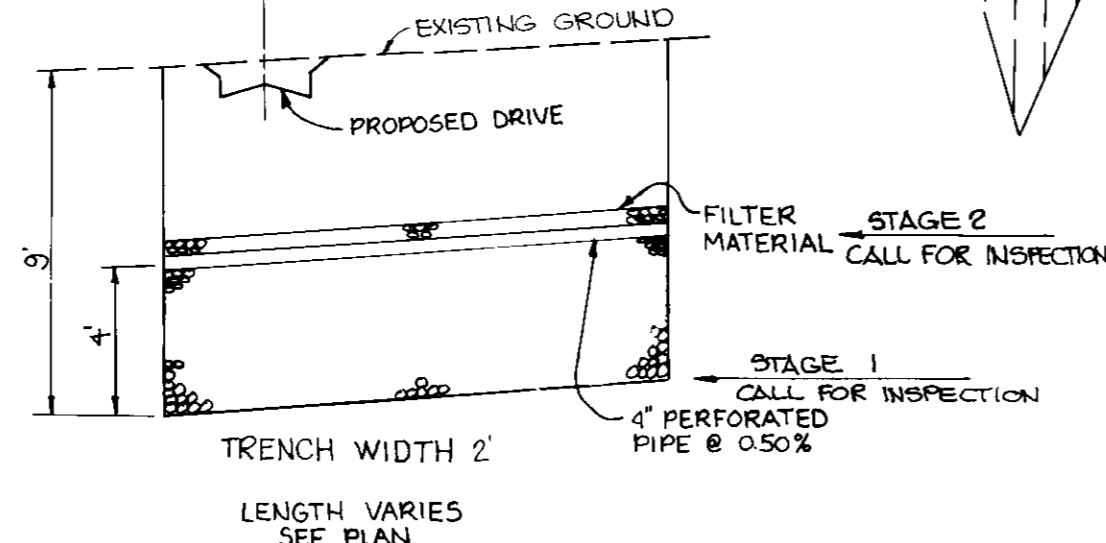
TYPICAL PROFILE TRENCHES UNDER PARKING LOT

SCALE: 1"=50' HOR
1"=5' VERT



TYPICAL PROFILE TRENCHES UNDER LAWN AREA

SCALE: 1"=50' HOR
1"=5' VERT



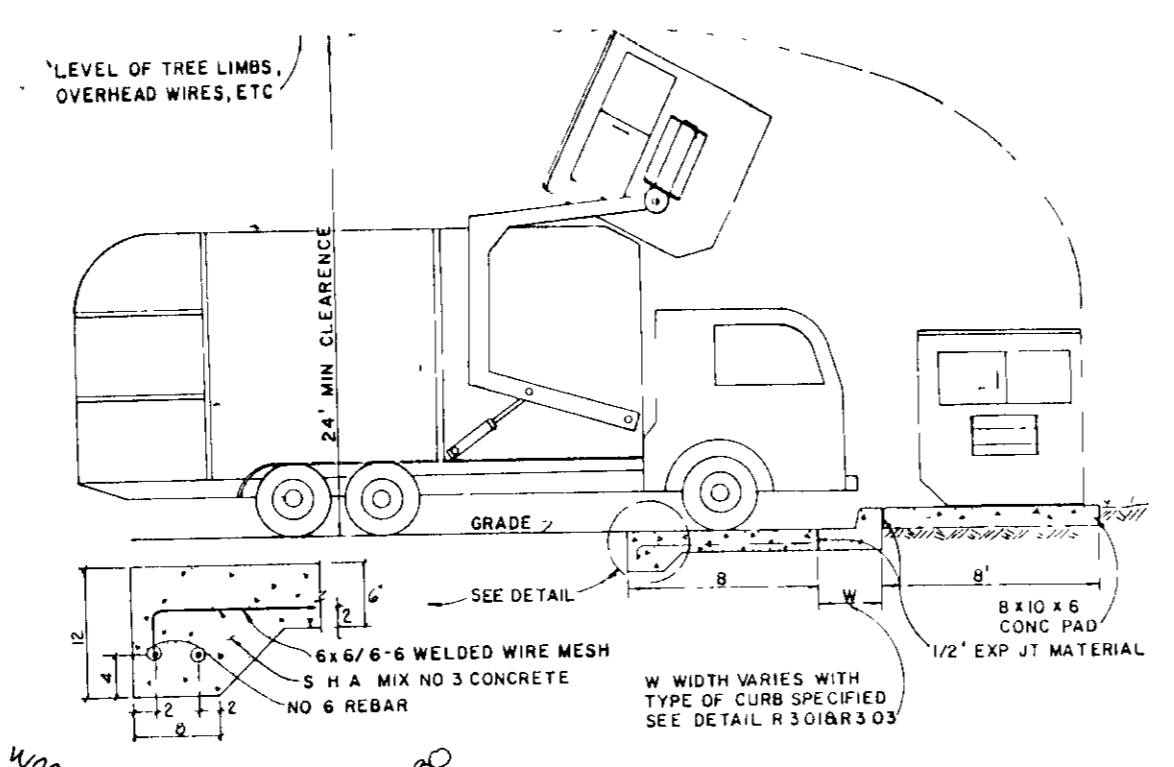
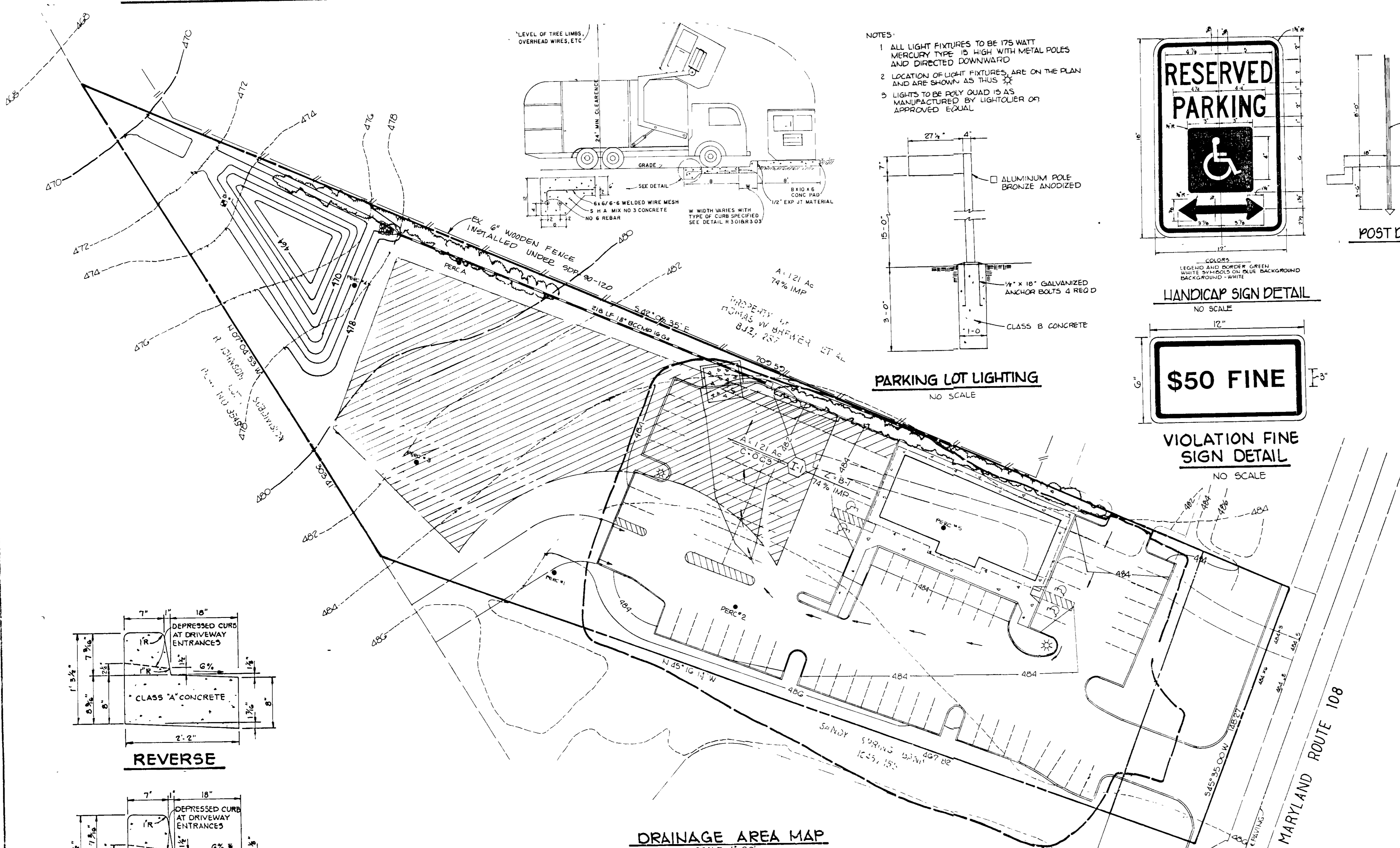
- NO WETLANDS EXIST WITHIN THIS PROPERTY BOUNDARY
- SEPTIC SYSTEM MUST BE INSTALLED BEFORE DRIVEWAY IS PAVED
- ACCESS ROAD WILL NOT BE BUILT AND OPEN UNTIL THE SHOPPING CENTER IS OPEN

<i>[Signature]</i>	2/27/91
<i>[Signature]</i>	6/24/91
<i>[Signature]</i>	6/21/91
<i>[Signature]</i>	6/15/91
<i>[Signature]</i>	5-2-91
RELOCATE PUMP/OTER PAD, SHOW POTENTIAL FUTURE/WH ACCESS	
10/16/02 REMOVE BERM ALONG MD RTE 108	
ADDED WHC AND SHC FOR FUTURE USE	
DATE	VISION

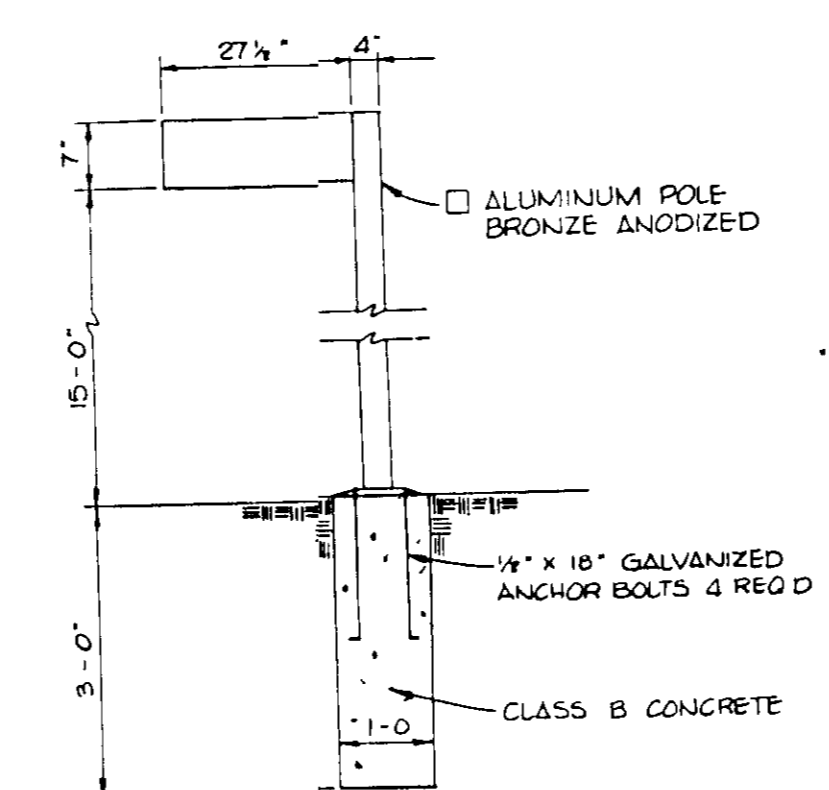
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planning • architecture • engineering
4400 Baltimore National Pike • P.O. Box 11111 • Silver Spring, MD 20904

[Signature]
6/14/01
PIZZA HUT CLARKSVILLE

FEB 14, 1991



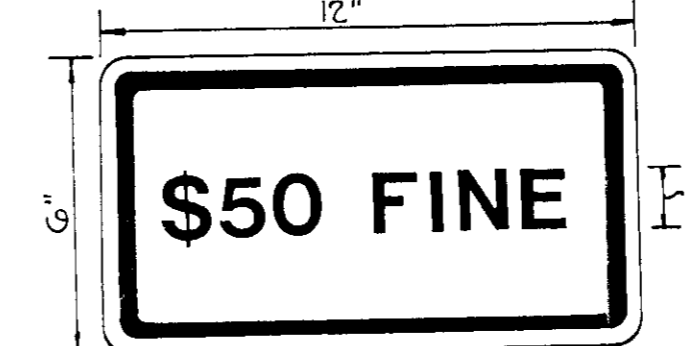
- NOTES:
- 1 ALL LIGHT FIXTURES TO BE 175 WATT MERCURY TYPE 10 HIGH WITH METAL POLES AND DIRECTED DOWNWARD
 - 2 LOCATION OF LIGHT FIXTURES ARE ON THE PLAN AND ARE SHOWN AS THUS
 - 3 LIGHTS TO BE POLY QUAD 10 AS MANUFACTURED BY LIGHTOLIER OR APPROVED EQUAL



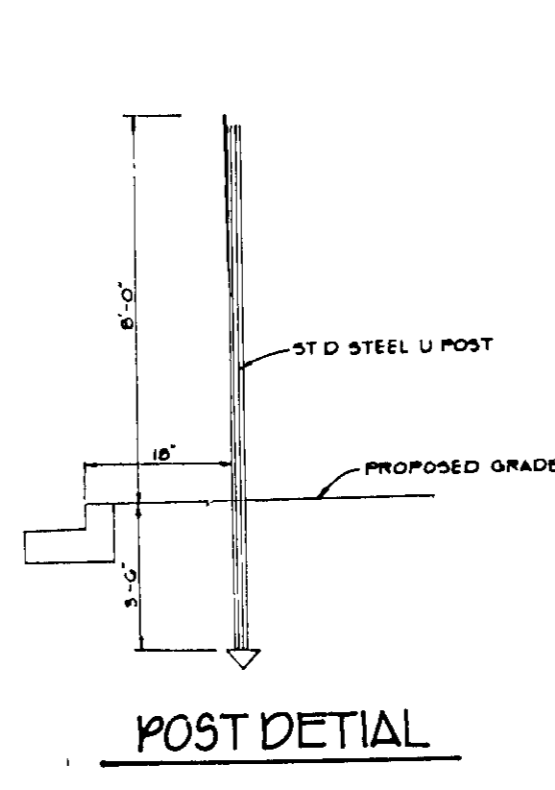
PARKING LOT LIGHTING
NO SCALE



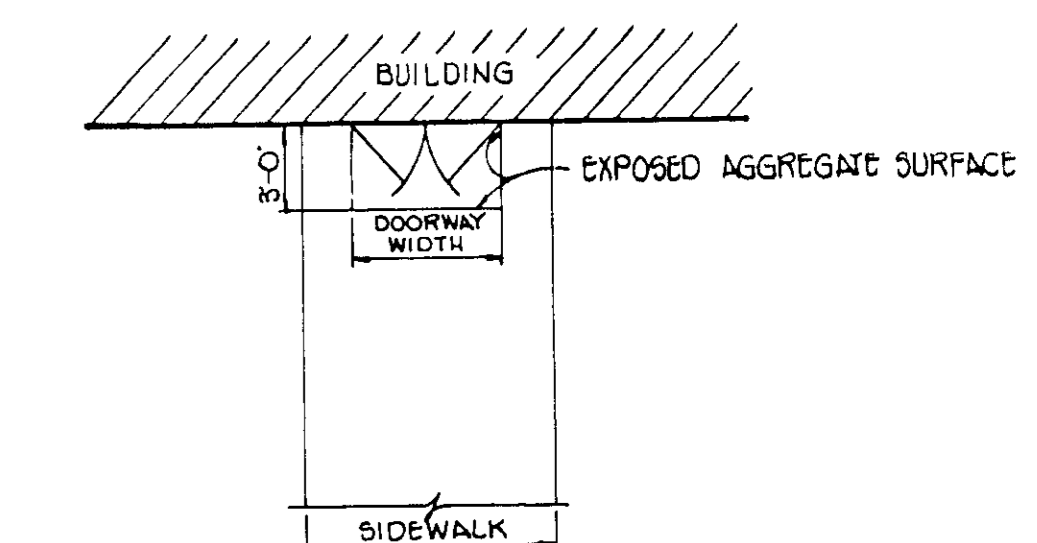
HANDICAP SIGN DETAIL
NO SCALE



VIOLATION FINE SIGN DETAIL
NO SCALE

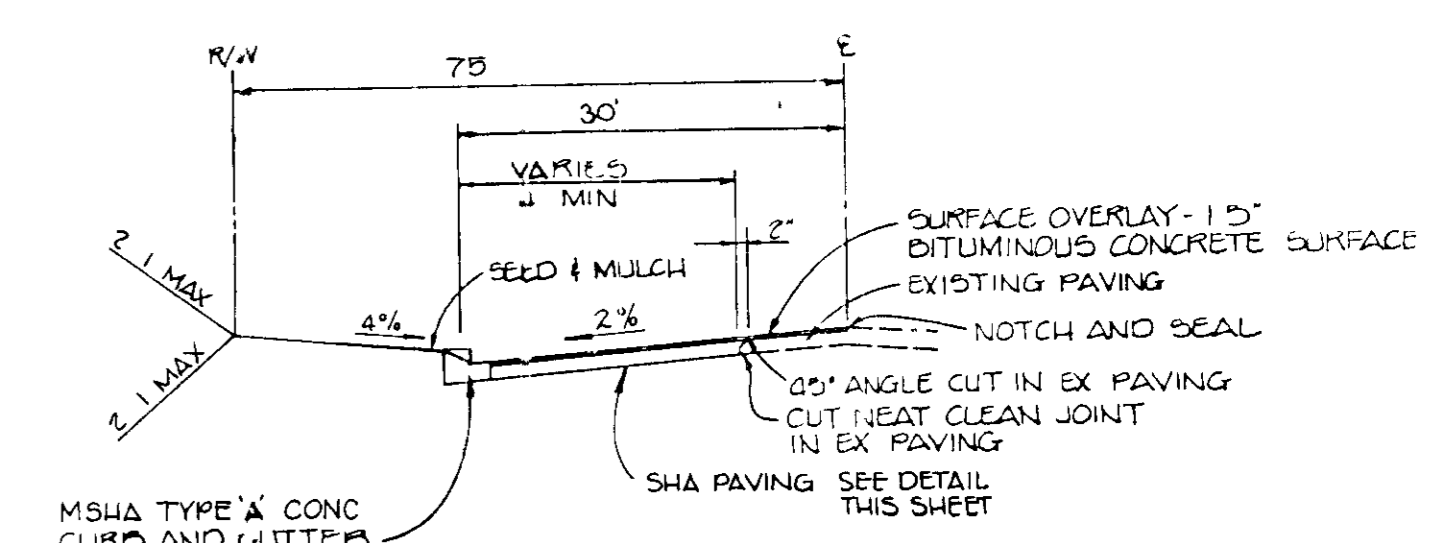


POST DETAIL

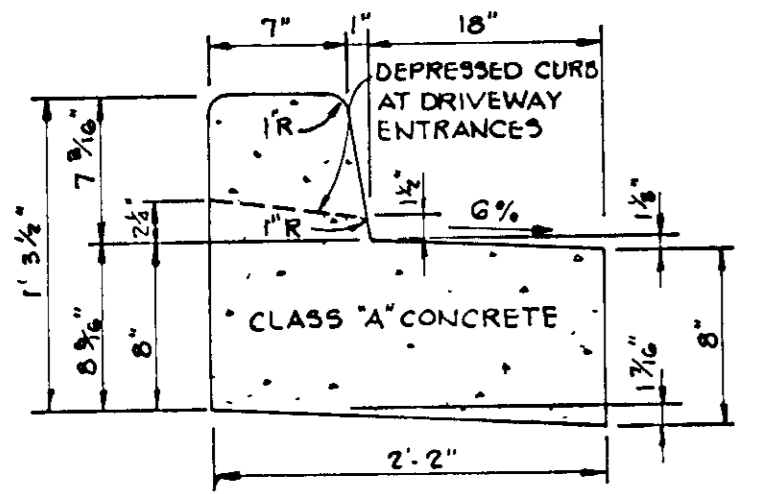


DETAIL BUILDING ENTRANCE TEXTURAL IDENTIFICATION FOR THE BLIND
NO SCALE

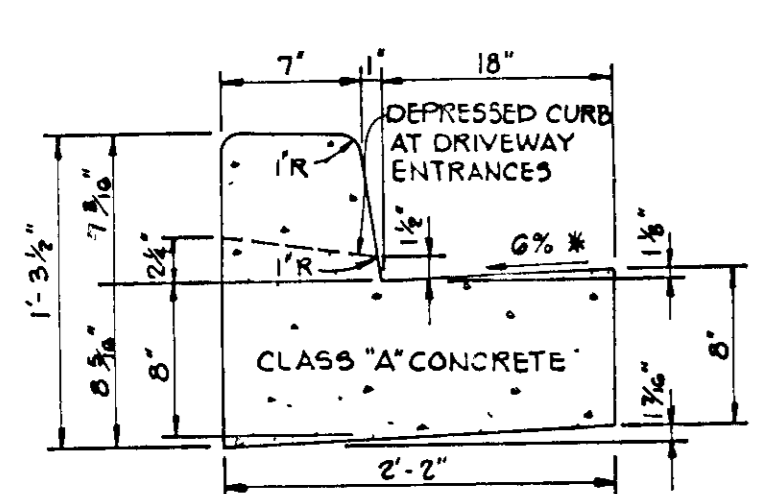
NOTE TO BE USED FOR ALL BUILDING ENTRANCES EXCEPT THOSE THAT ARE EXCLUSIVELY FIRE EXITS



TYPICAL HALF SECTION
NO SCALE

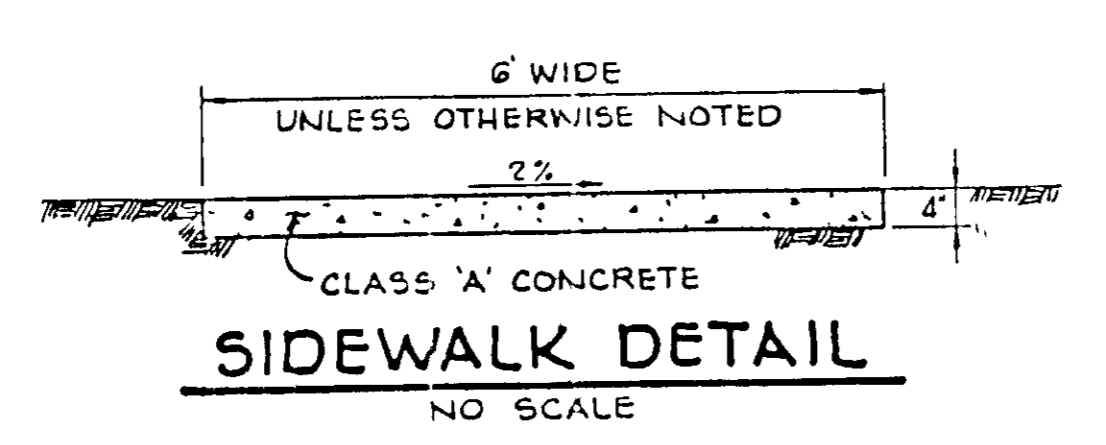


REVERSE

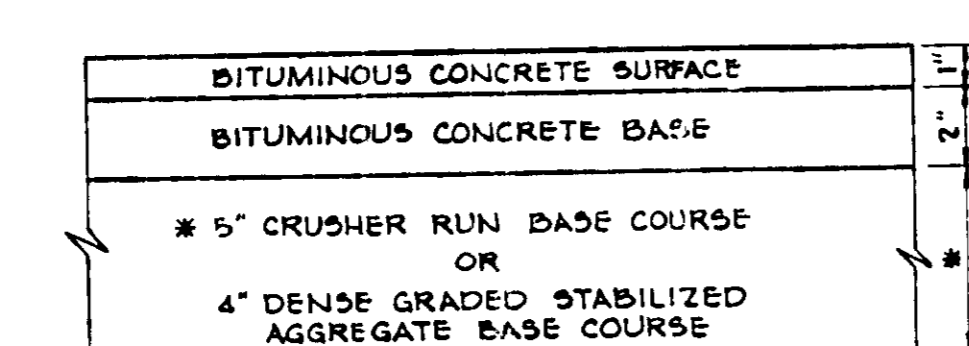


STANDARD 7" COMBINATION CURB AND GUTTER
NO SCALE

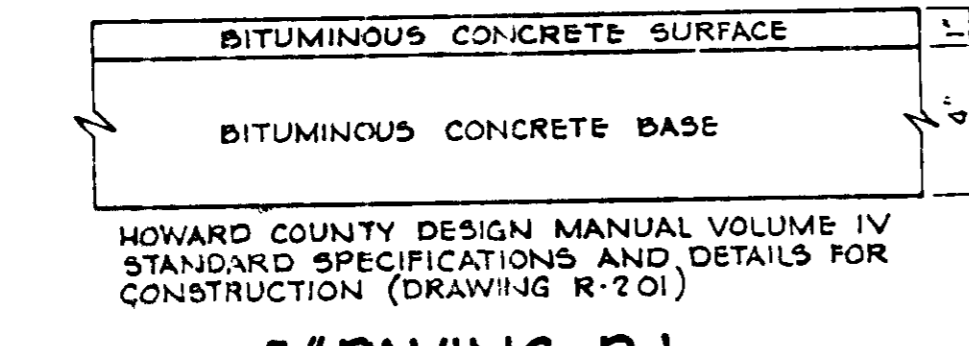
HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R 301)
* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.



SIDEWALK DETAIL
NO SCALE

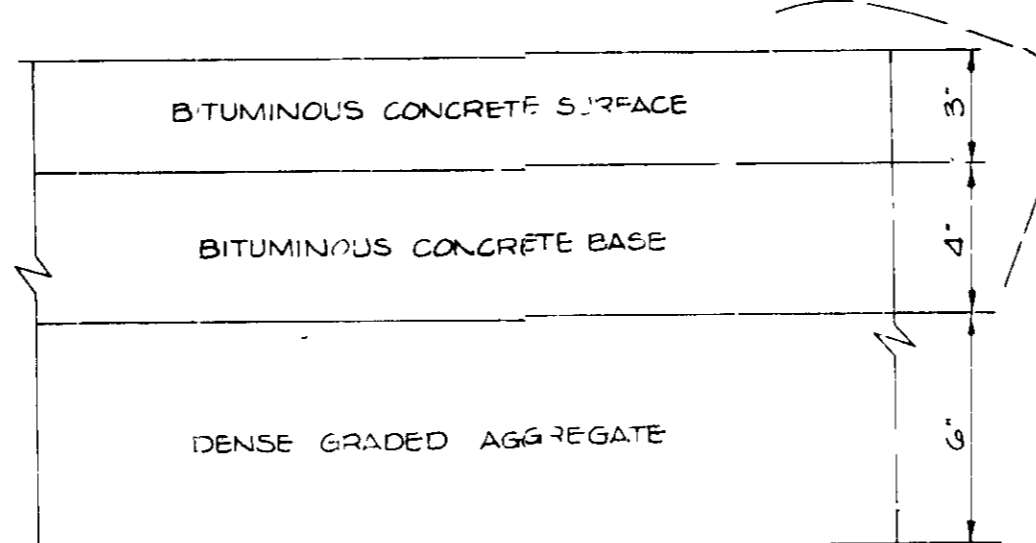


(ALTERNATE)



5" PAVING, P-1

HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-201)



SHA PAVING

DRAINAGE AREA MAP
SCALE 1"=30'

STRUCTURE SCHEDULE						
NO	TYPE	LOCATION	INV IN	INV OUT	TC ELEV	REMARKS
I-1	A 5 INLET	SEE PLAN	---	476.79	481.08	HO CO STD SD 4 01
E-1	18" METAL END SECTION	SEE PLAN	---	474.00	---	HO CO STD SD 5 61

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
<i>Debra M. Bost</i> COUNTY HEALTH OFFICER	2/27/91 DATE
APPROVED HOWARD COUNTY DEPT OF PLANNING AND ZONING.	
<i>James R. Smith</i> PLANNING DIRECTOR	6/24/91 DATE
APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
<i>James R. Smith</i> DIRECTOR	6-28-91 DATE
<i>William J. Smith</i> CHIEF, BUREAU OF ENGINEERING	5-22-91 DATE
10/16/92	RELOCATE DUMPSTER PAD, SHOW POTENTIAL FUTURE ACCESS
11	REMOVE BERM ALONG MD RTE 108
NO DATE	REVISION

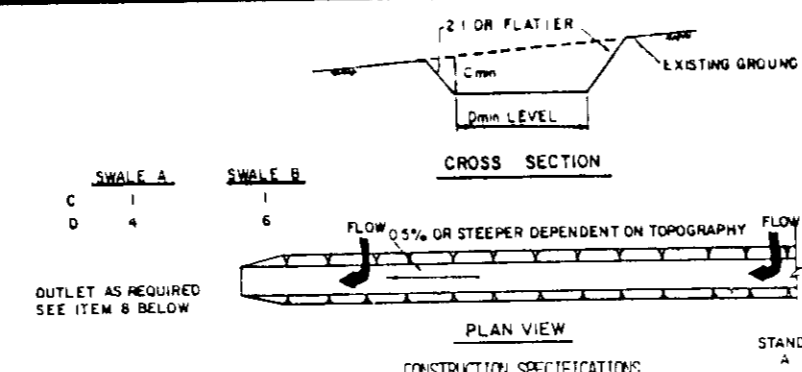
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8480 Baltimore National Pike • Ellicott City Maryland 21043 • (301) 465 6105

OWNER/DEVELOPER	PROJECT	PIZZA HUT CLARKSVILLE (RESTAURANT)
5 & W PIZZA HUT OF MARYLAND INC 10220 OLD COLUMBIA ROAD COLUMBIA, MARYLAND 21046 (301) 720-6330	LOCATION	TAX MAP NO 34, PARCEL 27, L 100B, F 215 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TITLE	DRAINAGE AREA MAP AND DETAILS	
SDP-89-21	DATE	JULY 29 1988
	DATE	FEB 14 1991
DES	D.A.M.	DRN C.R.S.
	SCALE	AS SHOWN
	PROJECT NO	0121
	DRAWING	2 OF 4

NOTE AT NO TIME SHALL EQUIPMENT ENTER THE STORMWATER MANAGEMENT FACILITY TO AVOID COMPACTION OF THE SOIL

STONE OUTLET SEDIMENT TRAP DATA

DRAINAGE AREA 2.2 ac
 STORAGE REQUIRED 3060 CU FT
 STORAGE PROVIDED 6732 CU FT
 CREST ELEV 470.4
 BOTTOM ELEV 466.0
 CLEANOUT ELEV 467.5
 CREST WIDTH 10'



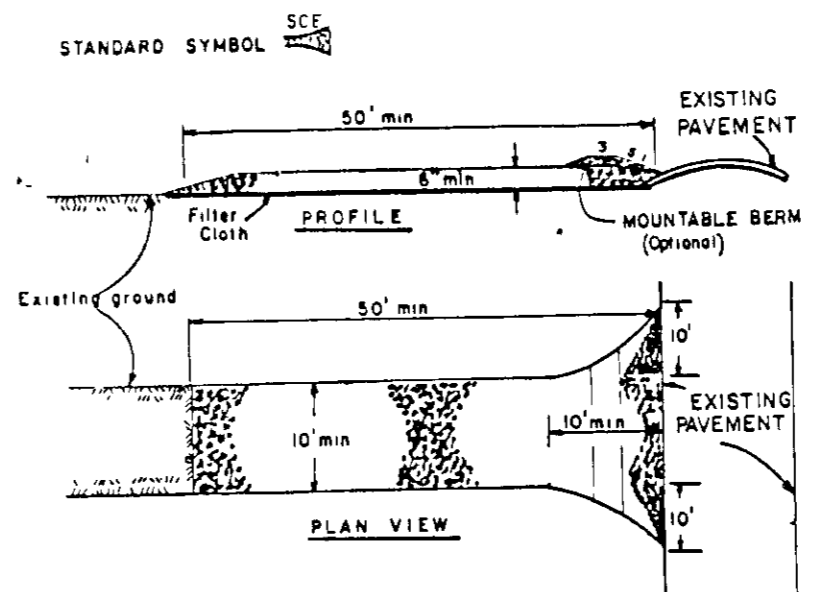
- CONSTRUCTION SPECIFICATIONS**
1. ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET
 2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE
 3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-IMPACTIVE VELOCITY
 4. ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE
 5. THE SWALE SHALL BE EXCAVATED OR SHIPPED TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF SOAK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPAIR NORMAL FLOW
 6. FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT
 7. ALL EARTH REMOVAL AND NOT NEEDED ON CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE
 8. STABILIZATION SHALL BE AS FOLLOWS FOR THE CHART BELOW

FILL AND SOIL STABILIZATION

TYPE OF DISTURBANCE	DEPTH	SOIL	SEEDING	STRAW MULCH	RECYCLED CONCRETE EQUIVALENT
1	0-3" DE	SEED AND STRAW MULCH	SEED AND STRAW MULCH	SEED AND STRAW MULCH	
2	3-5" DE	SEED AND STRAW MULCH	SEED AND STRAW MULCH	SEED AND STRAW MULCH	
3	5-8" DE	SEED WITH DATE OF EXCAVATION, SEE	SEED WITH DATE OF EXCAVATION, SEE	SEED WITH DATE OF EXCAVATION, SEE	
4	8-12" DE	LINED 4" RIM-PAP	LINED 4" RIM-PAP	LINED 4" RIM-PAP	

STONE OUTLET SEDIMENT TRAP
NO SCALE

STABILIZED CONSTRUCTION ENTRANCE
NO SCALE



- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - Use 2" stone, or recycled or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single rest-device lot where a 30 foot minimum length would apply).
 3. Thickness - 100 lbs per sq ft (18" deep).
 4. Width - 10' (10' foot minimum, but not less than the full width at points where ingress of water occurs).
 5. Surface Water - Will be placed over the entire area prior to placing of stone. Surface water will be placed over the entire area prior to placing of stone. Surface water will be placed over the entire area prior to placing of stone.
 6. Maintenance - The entrance shall be maintained in a condition which will prevent the entrance from becoming a public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleaning of any measures used to keep sediment.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent the entrance from becoming a public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleaning of any measures used to keep sediment.
 8. Maintenance - The entrance shall be maintained in a condition which will prevent the entrance from becoming a public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleaning of any measures used to keep sediment.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

PROFILE OF EMERGENCY SPILLWAY SCALE HORIZ 1" = 50' VERT 1" = 5'
SECTION THROUGH EMERGENCY SPILLWAY SCALE HORIZ 1" = 50' VERT 1" = 5'

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL

James M. Nelson / JMN
 S.S. SOIL CONSERVATION SERVICE
 DATE 1/14/91

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT

APPROVED *Robert Zichew*
 HOWARD S.C.D.
 DATE 1/11/91

BY THE DEVELOPER

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

John F. Stenz
 DEVELOPER
 DATE 1/14/91

BY THE ENGINEER

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

John F. Stenz
 ENGINEER
 DATE 1/14/91

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

John F. Stenz
 COUNTY HEALTH OFFICER
 DATE 2/27/91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING.

John F. Stenz
 PLANNING DIRECTOR
 DATE 6/24/91

APPROVED FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

John F. Stenz
 DIRECTOR
 DATE 5-22-91

CHIEF, BUREAU OF ENGINEERING *MK*
 DATE

10/16/92 RELOCATE DUMPMYSTER PAD, SHOW POTENTIAL FUTURE ACCESS
 NO DATE REMOVE BERM ALONG MD RTE 108 REVISION

TRACY, SCHULTE & ASSOCIATES INC
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OWNER/DEVELOPER PROJECT PIZZA HUT CLARKSVILLE (RESTAURANT)

LOCATION TAX MAP NO 34, PARCEL 27, L 1606, P 215 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

TITLE SEDIMENT CONTROL PLAN AND DETAILS

DATE JULY 25 1988 PROJECT NO 0121
 FEB. 14, 1991

DES D A M DRN KLN / M M SCALE AS SHOWN DRAWING 3 OF 4

BORING LOG

DEPTH (FEET)	SOIL TYPE	REMARKS
0.0	TOPSOIL	TOPSOIL
1.0	CLAY	CLAY
2.0	CLAY	CLAY
3.0	CLAY	CLAY
4.0	CLAY	CLAY
5.0	CLAY	CLAY
6.0	CLAY	CLAY
7.0	CLAY	CLAY
8.0	CLAY	CLAY
9.0	CLAY	CLAY
10.0	CLAY	CLAY
11.0	CLAY	CLAY
12.0	CLAY	CLAY
13.0	CLAY	CLAY
14.0	CLAY	CLAY
15.0	CLAY	CLAY
16.0	CLAY	CLAY
17.0	CLAY	CLAY
18.0	CLAY	CLAY
19.0	CLAY	CLAY
20.0	CLAY	CLAY

- GENERAL NOTES**
1. A PERMIT FROM THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437)
 2. ALL REGULATIVE 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. MAINTAIN ORIGINAL SOIL DISTURBANCE OR RESTORATION, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, BARRIERS, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 1:1, BY 14 DAYS FOR SLOPES GREATER THAN 1:1 ON AREAS ON THE PROJECT SITE.
 4. ALL SEDIMENT TRAPS/BARRIERS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12 OF THE HOWARD COUNTY DESIGN MANUAL, LOCAL ORDINANCE.
 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 31) AND TEMPORARY SEEDINGS (Sec. 30) AND MULCHING (Sec. 32). TEMPORARY STABILIZATION WITH MULCH SHALL BE MAINTAINED UNTIL COMINGLED SEEDING DATES DO NOT ALLOW FOR PROPER ESTABLISHMENT AND MAINTENANCE OF GRASSES.
 6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 7. SOIL ANALYSIS
 TOTAL AREA OF SITE 2.21 ACRES
 AREA TO BE GRADED OR PAVED 1.15 ACRES
 AREA TO BE VEGETATIVELY STABILIZED 1.06 ACRES
 TOTAL CUT 3060 CU YDS
 TOTAL FILL 6732 CU YDS
 OFFSITE WASTE/BORROW AREA LOCATION
 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. ALL SEDIMENT CONTROL STRUCTURES MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 10. ALL SEDIMENT TRAPS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, LOCAL ORDINANCE.

PERMANENT SEEDING PREPARATION

SEEDING 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 (92 100/1000 sq ft) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 100/1000 sq ft) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL AT TIME OF SEEDING. APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 100/1000 sq ft)
- 2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 100/1000 sq ft) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 100/1000 sq ft) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL

SEEDING FOR PERIODS MARCH 1 THRU APRIL 30 AND AUGUST 1 THRU OCTOBER 15, SEED WITH 50 LBS PER ACRE (1 4 100/1000 sq ft) OF KENTUCKY 31 TALL FESCUE FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 50 LBS OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (1 05 100/1000 sq ft) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) SEED WITH 60 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELLS ANCHORED STRAW

MULCHING APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 100/1000 sq ft) OF UNWETTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 90/1000 sq ft) OF UNWETTED ASPHALT ON FLAT AREAS OR SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 90/1000 sq ft) FOR ANCHORING.

MAINTENANCE INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS

TEMPORARY SEEDING PREPARATION

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED

SEEDING 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 (14 100/1000 sq ft)

SEEDING FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3 2 100/1000 sq ft) FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (1 07 100/1000 sq ft) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELLS 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 90 100/1000 sq ft) OF UNWETTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 210 GALLONS PER ACRE (5 90/1000 sq ft) OF UNWETTED ASPHALT ON FLAT AREAS OR SLOPES, 8 FT OR HIGHER, USE 348 GALLONS PER ACRE (8 90/1000 sq ft) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, "STATE AND METHODS NOT COVERED"

These specifications are appropriate to ponds within the scope of a Standard Practice 378

I. SITE PREPARATION

Areas designated for borrow areas, embankment, and structural works shall be cleared, grubbed and scraped to topsoil. All trees, vegetation, roots and other objectionable material shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1

Areas to be covered by the pond or reservoir will be cleared of all trees, brush, logs, rubbish and other objectionable material unless otherwise designated on the plans. Trees, brush and stumps shall be cut approximately level with the ground surface

All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be stockpiled in a suitable location for use on the embankment and other designated areas.

II. EARTH FILL

Materials

The fill material shall be taken from approved designated borrow area or areas. It shall be free of roots, stumps, wood, rubbish, oversize stones, frozen or other objectionable materials. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height all along the length of the embankment shall be increased above the design elevation (including freeboard) as shown on the plans.

Placement

Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in 8-inch maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment

Compaction

The movement of the hauling and spreading equipment over the fill shall be controlled so that the surface of the embankment shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepsfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction can be obtained with the equipment used.

Where a minimum required density is specified, each layer of fill shall be compacted so that the density and moisture is to be certified by the Engineer

Cutoff Trench

Where specified, a cutoff trench shall be excavated along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be as shown on the drawings, with the minimum width being four feet. The depth shall be at least four feet or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill material for the cutoff trench shall be the most impervious material available and shall be compacted with equipment or rollers to assure maximum density and minimum permeability

III. STRUCTURAL BACKFILL

Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driven equipment be allowed to operate under no circumstances shall equipment be driven over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe

IV. UTILITIES

All borrow areas shall be graded to provide proper drainage and left in a slightly concave. All exposed surface of the embankment, spillway, spoil and borrow areas, and berms shall be stabilized by seeding, liming, fertilizing and mulching (if required) in accordance with the vegetative treatment specifications or as shown on the accompanying drawings

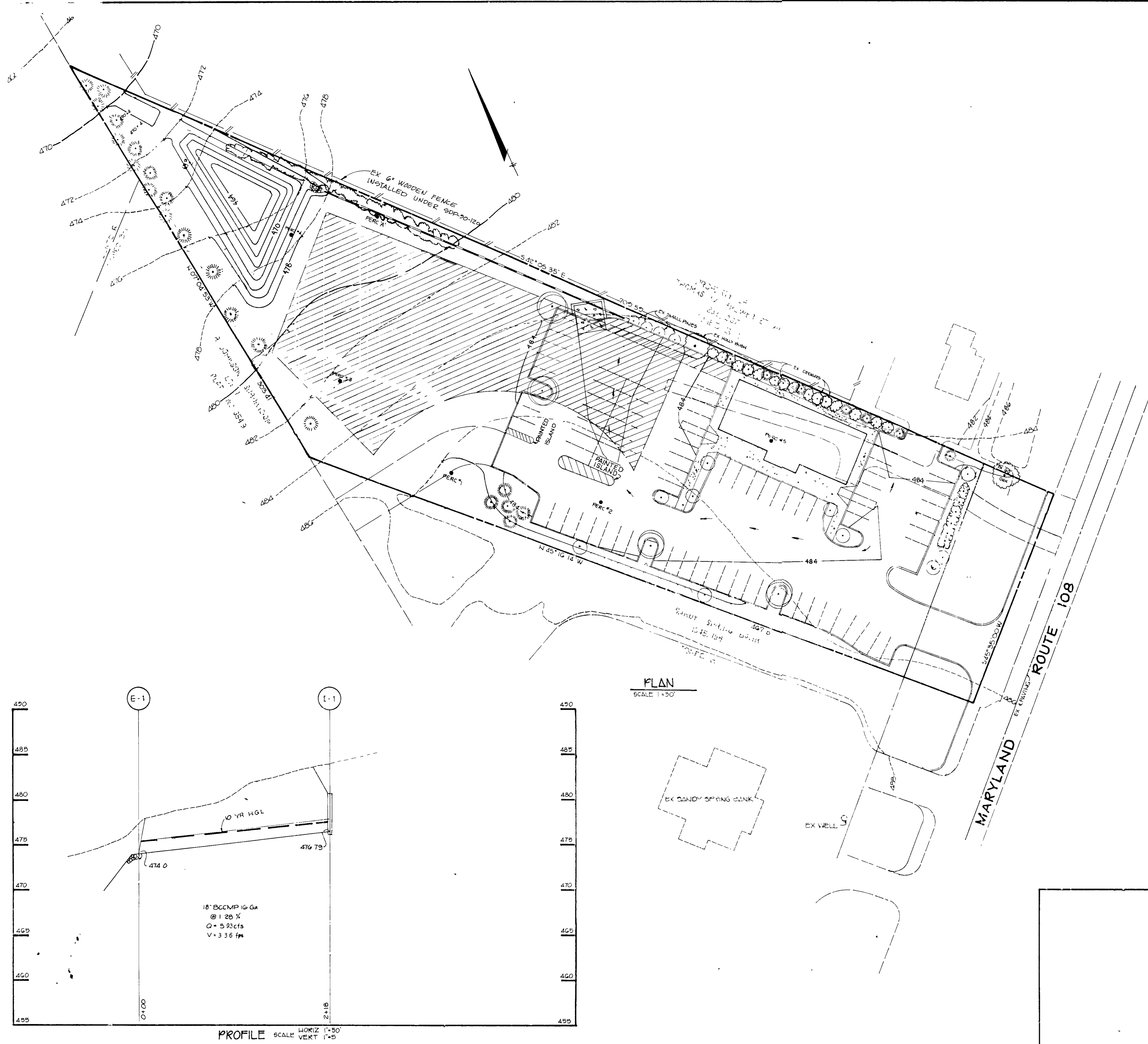
V. EROSION AND SEDIMENT CONTROL

Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction process



SEQUENCE OF CONSTRUCTION

DATE	ACTIVITY
DAY 1	OBTAIN A GRADING PERMIT
DAY 2-4	INSPECT STABILIZED CONSTRUCTION ENTRANCE (SCE) AND TEMPORARY SWALE
DAY 5-8	INSTALL SEDIMENT TRAP
DAY 9-29	RAZE EXISTING STRUCTURES ON SITE AND GRADE TO SUBGRADE STABILIZING DISTURBED AREAS IN ACCORDANCE WITH TEMPORARY SEEDING NOTES
DAY 30-35	INSTALL UTILITIES
DAY 36-60	COMMENCE CONSTRUCTION OF BUILDING AND CONSTRUCT PARKING LOT
DAY 61-63	STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES
DAY 64-70	UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR (REMOVE ALL SEDIMENT CONTROL DEVICES AND CONVEY SEDIMENT TRAP TO INFILTRATION STORMWATER MANAGEMENT FACILITY) IS FOLLOWS



PLANT LIST			
SYMBOL	QUANTITY	NAME	REMARKS
	4	ACER SACCHARUM Sugar Maple	2 1/2 MIN CAL B & B FULL HEAD
	28	PINUS STROBUS Eastern White Pine	5'-6' H B & B UN SHEARED
	10	PYRUS CALLERYANA Bradford Pear	2 1/2 MIN CAL B & B FULL HEAD
	21	SHRUBS	36" H B & B

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

James Z. ...
COUNTY HEALTH OFFICER
DATE: 2/27/91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING.

James R. ...
PLANNING DIRECTOR
DATE: 6/29/91

CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

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

James Z. ...
DIRECTOR
DATE: 5-22-91

CHIEF, BUREAU OF ENGINEERING
DATE: 5-22-91

10/16/92 RELOCATE DUMPSTER PAD, SHOW POTENTIAL FUTURE ACCESS AND ADDITIONAL SHRUBS
1 REMOVE BERM ALONG MD RTE 108 AND SHRUBS ALONG SOUTHERN PROPERTY LINE
NO DATE REVISION

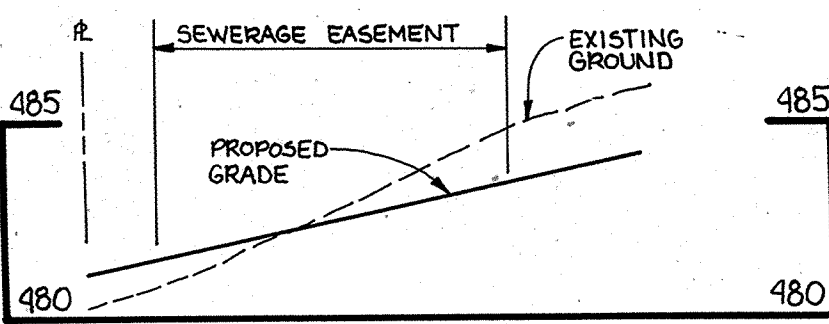
TRACY, SCHULTE & ASSOCIATES INC
planning • architecture • engineering
1480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105

OWNER/DEVELOPER: S & W PIZZA HUT OF MARYLAND, LLC
10220 OLD COLUMBIA ROAD
COLUMBIA, MARYLAND 21046
(301) 720-9339

PROJECT: PIZZA HUT CLARKSVILLE (RESTAURANT)
LOCATION: TAX MAP NO. 34, PARCEL 27, L 1008 F 215
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

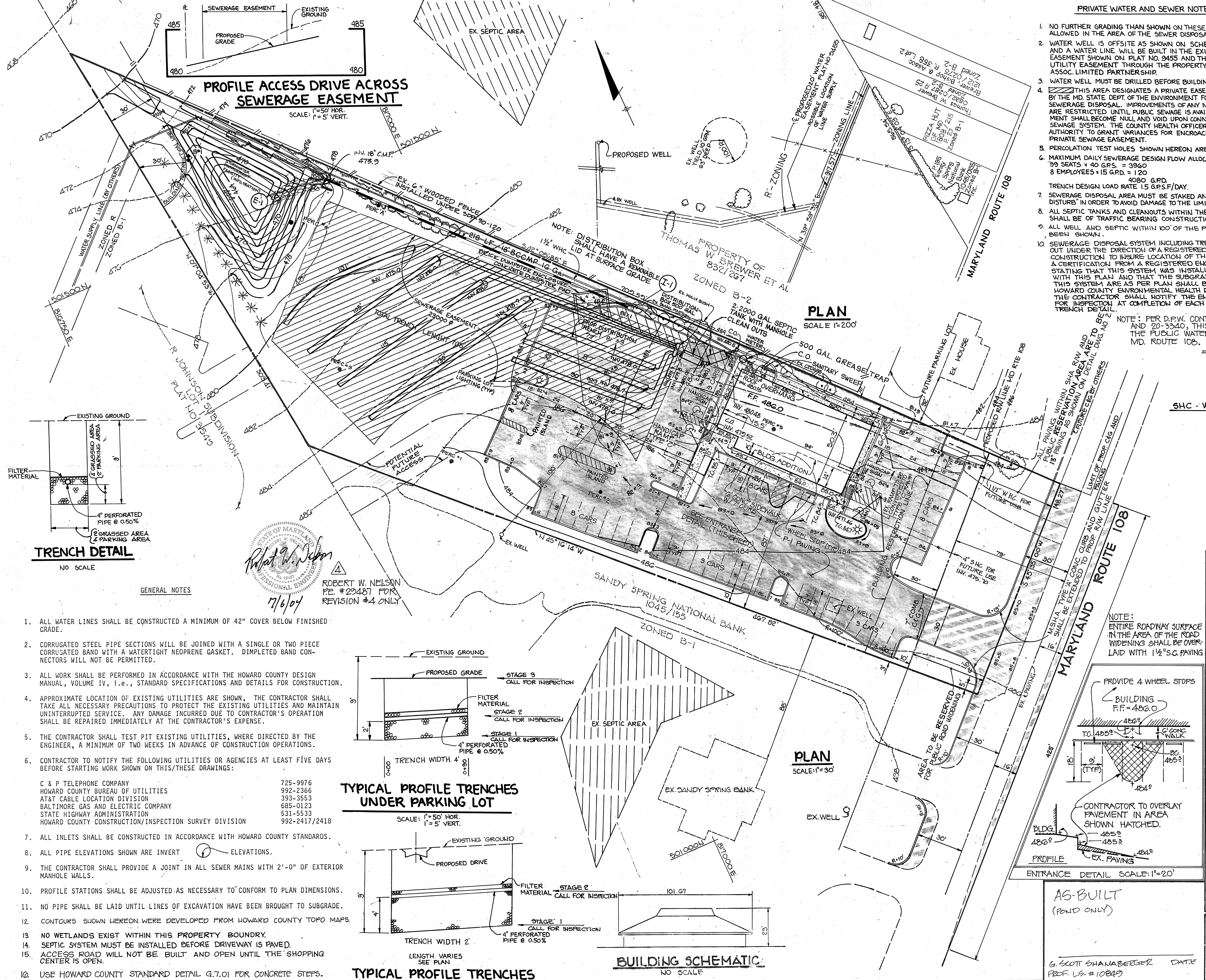
TITLE: PLANTING PLAN AND STORM DRAIN PROFILE
SDP 89 21
DATE: JULY 29, 1988
FEB 14, 1991
PROJECT NO: 0121
SCALE: AS SHOWN
DRAWING 4 OF 4

PROFILE ACCESS DRIVE ACROSS SEWERAGE EASEMENT



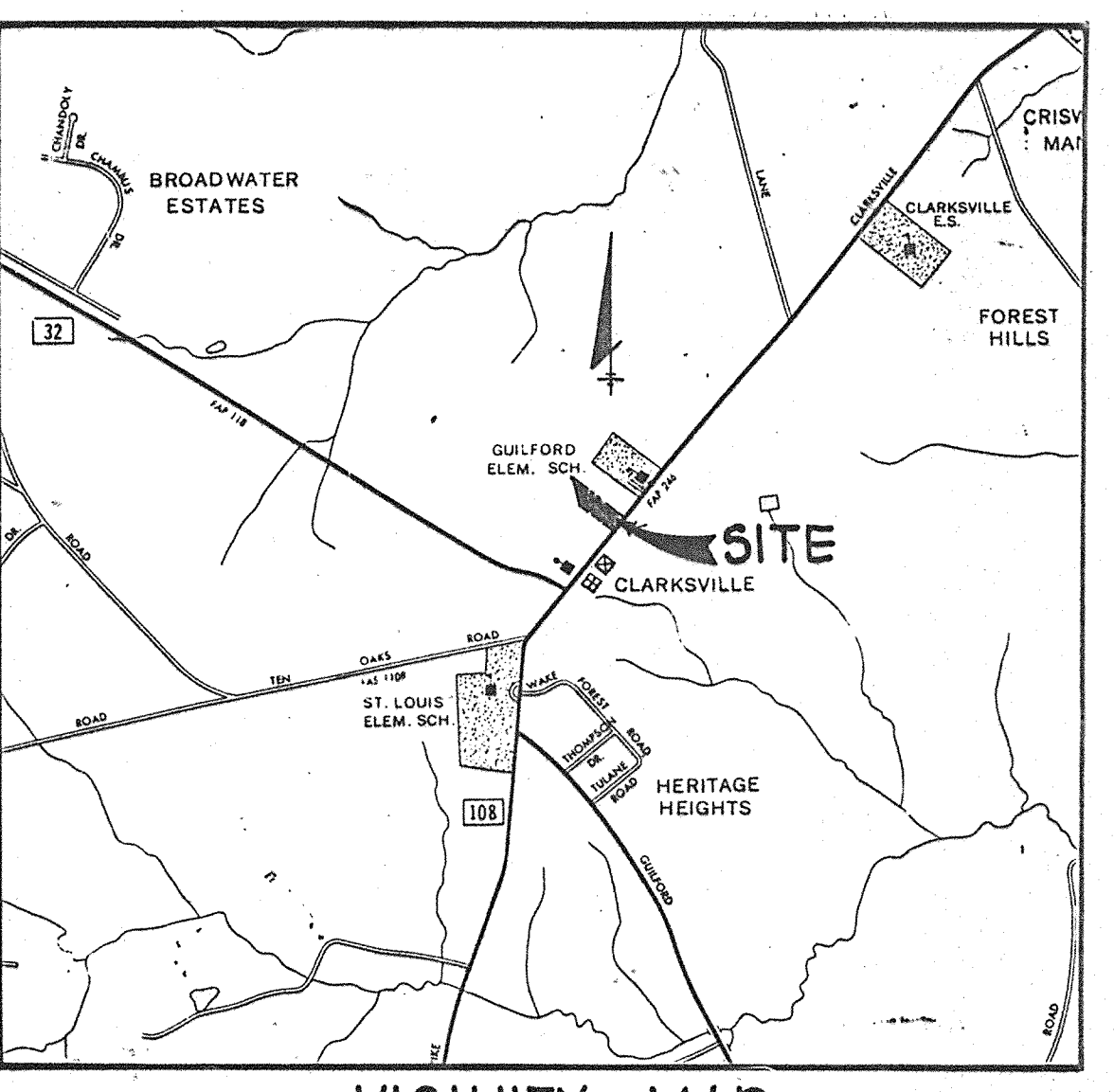
SCALE: 1"=5' VERT.

PLAN
SCALE: 1"=200'



PRIVATE WATER AND SEWER NOTES

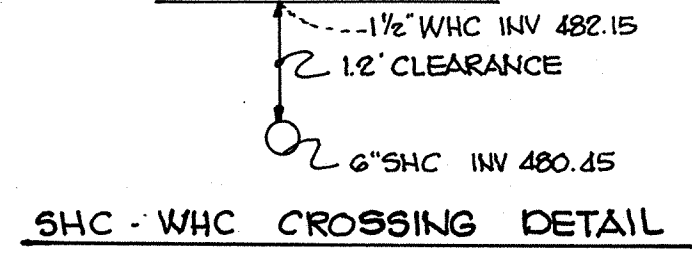
- NO FURTHER GRADING THAN SHOWN ON THESE PLANS SHALL BE ALLOWED IN THE AREA OF THE SEWER DISPOSAL EASEMENT.
- WATER WELL IS OFFSITE AS SHOWN ON SCHEMATIC PLAN BELOW AND A WATER LINE WILL BE BUILT IN THE EXISTING WATER EASEMENT SHOWN ON PLAT NO. 9485 AND THE WATER AND UTILITY EASEMENT THROUGH THE PROPERTY OF RIVER HILL ASSOC. LIMITED PARTNERSHIP.
- WATER WELL MUST BE DRILLED BEFORE BUILDING PERMIT APPROVAL.
- THIS AREA DESIGNATES A PRIVATE EASEMENT AS REQUIRED BY THE MD STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWERAGE EASEMENT.
- PERCOLATION TEST HOLES SHOWN HEREON ARE SHOWN AS PERC* 99 SEATS x 40 G.P.S. = 3960
8 EMPLOYEES x 15 G.P.D. = 120
TRENCH DESIGN LOAD RATE 15 G.P.S./DAY
4080 G.P.D.
- SEWERAGE DISPOSAL AREA MUST BE STAKED AND POSTED "DO NOT DISTURB" IN ORDER TO AVOID DAMAGE TO THE LIMITED DISPOSAL AREA.
- ALL SEPTIC TANKS AND CLEANOUTS WITHIN THE PARKING AREA SHALL BE OF TRAFFIC BEARING CONSTRUCTION.
- ALL WELL AND SEPTIC WITHIN 100' OF THE PROPERTY HAVE BEEN SHOWN.
- SEWERAGE DISPOSAL SYSTEM INCLUDING TRENCHES SHALL BE STAKED OUT UNDER THE DIRECTION OF A REGISTERED SURVEYOR PRIOR TO CONSTRUCTION TO INSURE LOCATION OF THIS SYSTEM AS PER PLAN. A CERTIFICATION FROM A REGISTERED ENGINEER OR SURVEYOR STATING THAT THIS SYSTEM WAS INSTALLED IN ACCORDANCE WITH THIS PLAN AND THAT THE SUBGRADE IN THE AREA OF THIS SYSTEM ARE AS PER PLAN SHALL BE SUBMITTED TO THE HOWARD COUNTY ENVIRONMENTAL HEALTH DEPT. PRIOR TO SAVING. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD FOR INSPECTION AT COMPLETION OF EACH STAGE SHOWN ON TRENCH DETAIL.



VICINITY MAP
SCALE: 1"=2000'

SITE TABULATION

GROSS AREA OF PROPERTY	2.214 Ac.
PRESENT ZONING	B-1
BUILDING FLOOR AREA	4507 ⁺
BUILDING USE	RESTAURANT
BUILDING COVERAGE OF SITE	5226 ⁺ (5.5%)
OPEN SPACE (GREEN AREA) TO REMAIN	46783 ⁺ (48.5%)
PARKING REQUIRED:	
1 PER FOUR SEAT	134/4 = 34
1 PER TWO EMPLOYEES	15/2 = 8
TOTAL	42
PARKING PROVIDED 79 (INCLUDING 4 HANDICAP)	
LANDSCAPE ISLAND CONTAINED WITHIN	1746 ⁺ (5.2%)
PARKING LOT	33678 ⁺
TOTAL AREA OF PARKING LOT	
NUMBER OF EMPLOYEES	15
NUMBER OF SEATS	134



SHC-WHC CROSSING DETAIL

NOTE: PER D.F.W. CONTRACT NUMBERS 30-3731 AND 20-3520, THIS SITE WAS CONNECTED TO THE PUBLIC WATER AND SEWER SYSTEM IN MD. ROUTE 108.

NOTE: S&W PIZZA HUT OF MARYLAND, INC. HEREBY RESERVES UNTO ITSELF AND ITS ASSIGNS THE RIGHT AND PRIVILEGE IN ITS ABSOLUTE DISCRETION TO REGULATE TRAFFIC ENTERING THE PROPERTY FROM THE CLARKSVILLE SHOPPING CENTER, INCLUDING, BUT NOT LIMITED TO SPEED, SIGNAGE AND HOURS OF ACCESS, AS WELL AS CLOSING OFF ACCESS THERETO. PIZZA HUT WILL NOT CLOSE THE ACCESS PERMANENTLY WITHOUT GIVING 45 DAYS NOTICE TO THE HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING AND THE MARYLAND STATE HIGHWAY ADMINISTRATION. DURING THAT TIME PERIOD, THE COUNTY AND STATE WILL EXPRESS ANY CONCERNS THEY MAY HAVE REGARDING THE TRAFFIC IMPACT AND THE OWNER WILL ENTERTAIN THESE CONCERNS PRIOR TO REACHING ANY DECISION.

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

James G. Schulte
COUNTY HEALTH OFFICER
DATE: 2/27/91

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING.
James G. Schulte
PLANNING DIRECTOR
DATE: 6/24/91

Robert W. Nelson
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
DATE: 6/2/91

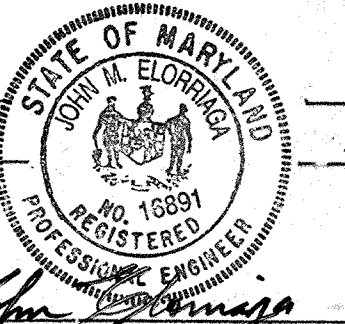
APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

James G. Schulte
DIRECTOR
DATE: 6/18/91

Michael R. Quinn
CHIEF, BUREAU OF ENGINEERING
DATE: 5-22-91

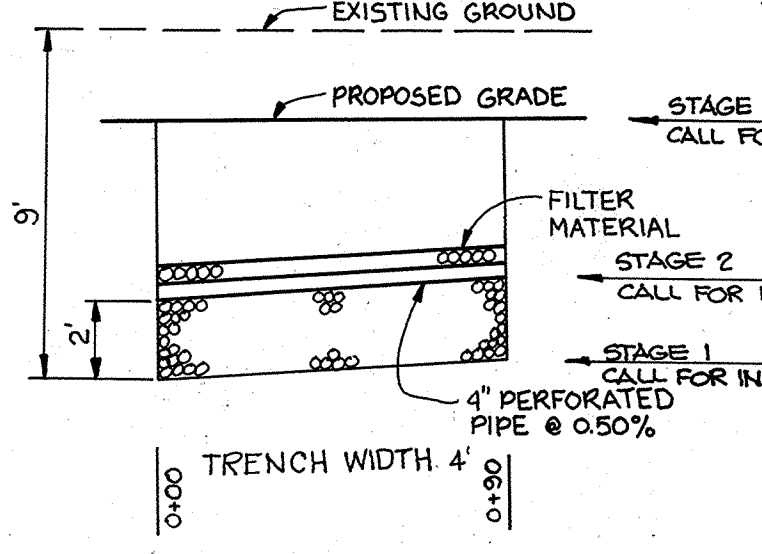
12/16/92	REMOVE BERM ALONG MD RTE 108	
	ADDED WHC AND SHC FOR FUTURE USE	
NO DATE	REVISION	
6/12/03	BUILDING ADDITION, REVISED PARKING	BY RBA

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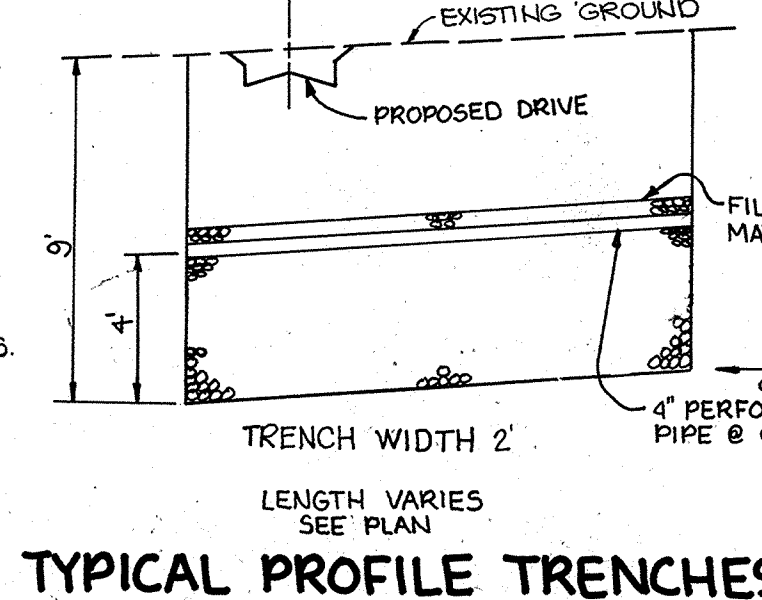


OWNER/DEVELOPER	PROJECT
PIZZA HUT OF MARYLAND, INC. 10220 OLD COLUMBIA ROAD COLUMBIA, MARYLAND 21046 (301) 720-6936	PIZZA HUT CLARKSVILLE (RESTAURANT)
LOCATION TAX MAP NO 34, PARCEL 27, L1608, F. 215 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	TITLE: SITE DEVELOPMENT PLAN
DATE: JULY 25, 1988 FEB. 14, 1991	SDP-06-21 PROJECT NO. 0121
DES.: D.A.M.	DRN.: D.A.M./M.M.
SCALE: 1"=20'	DRAWING 1 OF 4

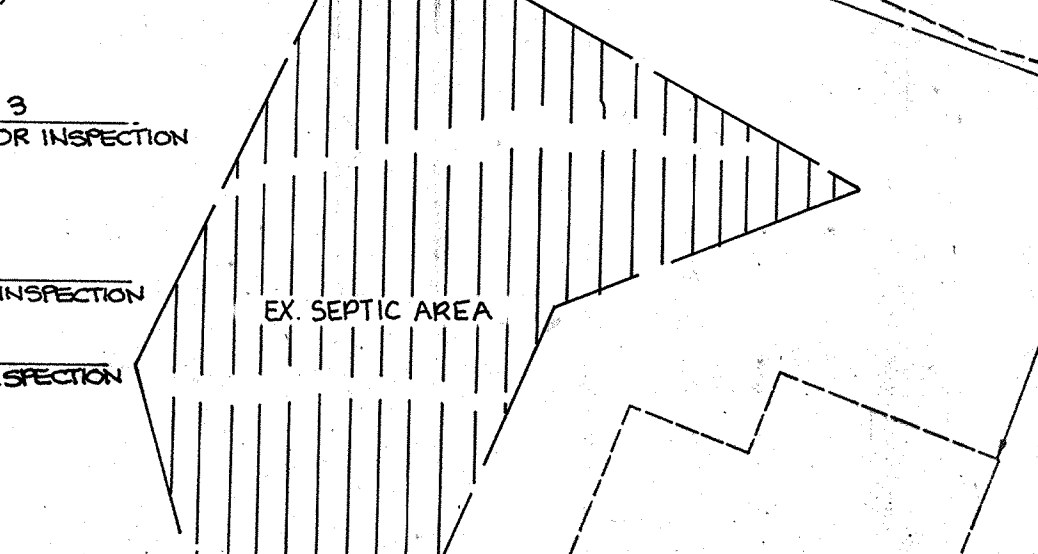
- ALL WATER LINES SHALL BE CONSTRUCTED A MINIMUM OF 42" COVER BELOW FINISHED GRADE.
- CORRUGATED STEEL PIPE SECTIONS WILL BE JOINED WITH A SINGLE OR TWO PIECE CORRUGATED BAND WITH A WATERTIGHT NEOPRENE GASKET. DIMPLED BAND CONNECTORS WILL NOT BE PERMITTED.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, I.E., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES, WHERE DIRECTED BY THE ENGINEER, A MINIMUM OF TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS.
- CONTRACTOR TO NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THIS/THESE DRAWINGS:
C & P TELEPHONE COMPANY 725-9976
HOWARD COUNTY BUREAU OF UTILITIES 992-2366
AT&T CABLE LOCATION DIVISION 393-3553
BALTIMORE GAS AND ELECTRIC COMPANY 685-0123
STATE HIGHWAY ADMINISTRATION 531-5533
HOWARD COUNTY CONSTRUCTION/INSPECTION SURVEY DIVISION 992-2417/2418
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITH 2'-0" OF EXTERIOR MANHOLE WALLS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- CONTOURS SHOWN HEREON WERE DEVELOPED FROM HOWARD COUNTY TOPO MAPS.
- NO WETLANDS EXIST WITHIN THIS PROPERTY BOUNDARY.
- SEPTIC SYSTEM MUST BE INSTALLED BEFORE DRIVEWAY IS PAVED.
- ACCESS ROAD WILL NOT BE BUILT AND OPEN UNTIL THE SHOPPING CENTER IS OPEN.
- USE HOWARD COUNTY STANDARD DETAIL G.7.01 FOR CONCRETE STEPS.
- USE HOWARD COUNTY STANDARD DETAIL R.4.03 FOR TYPE "C" SIDEWALK RAMP.
- SEE SHEET 4 FOR ADDITIONAL DETAILS.
- MAINTAIN MAXIMUM 5% SLOPE ON ALL SIDEWALKS.



TYPICAL PROFILE TRENCHES UNDER PARKING LOT
SCALE: 1"=50' HOR.
1"=5' VERT.



TYPICAL PROFILE TRENCHES UNDER LAWN AREA
SCALE: 1"=50' HOR.
1"=5' VERT.



BUILDING SCHEMATIC
NO SCALE

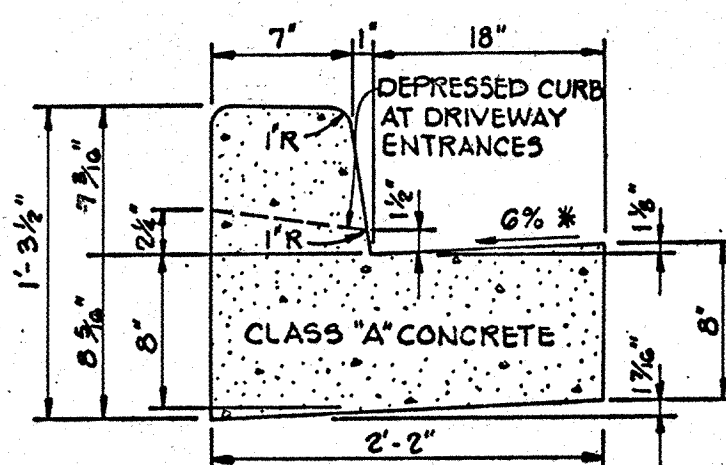
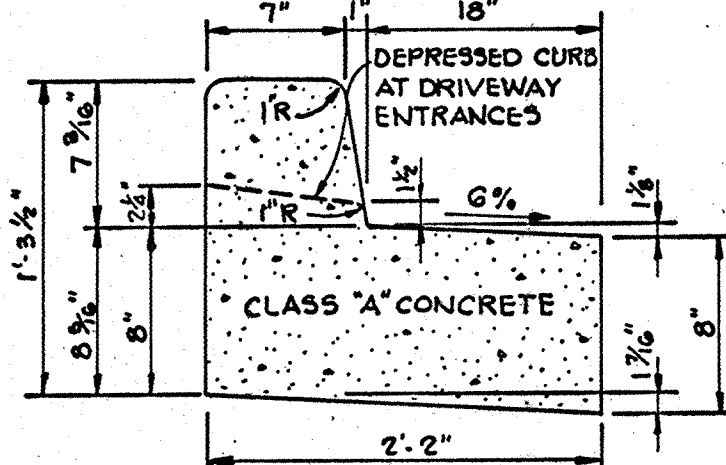
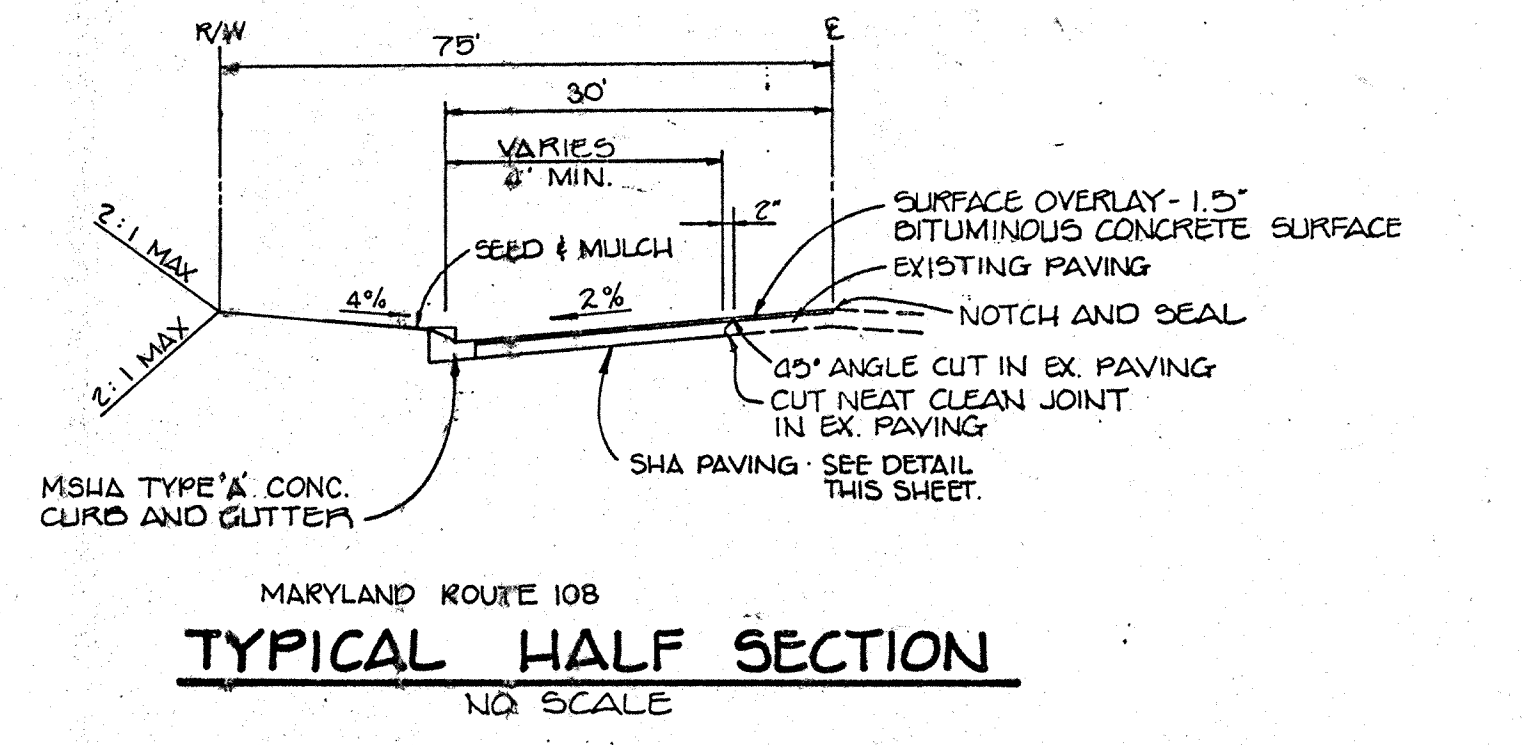
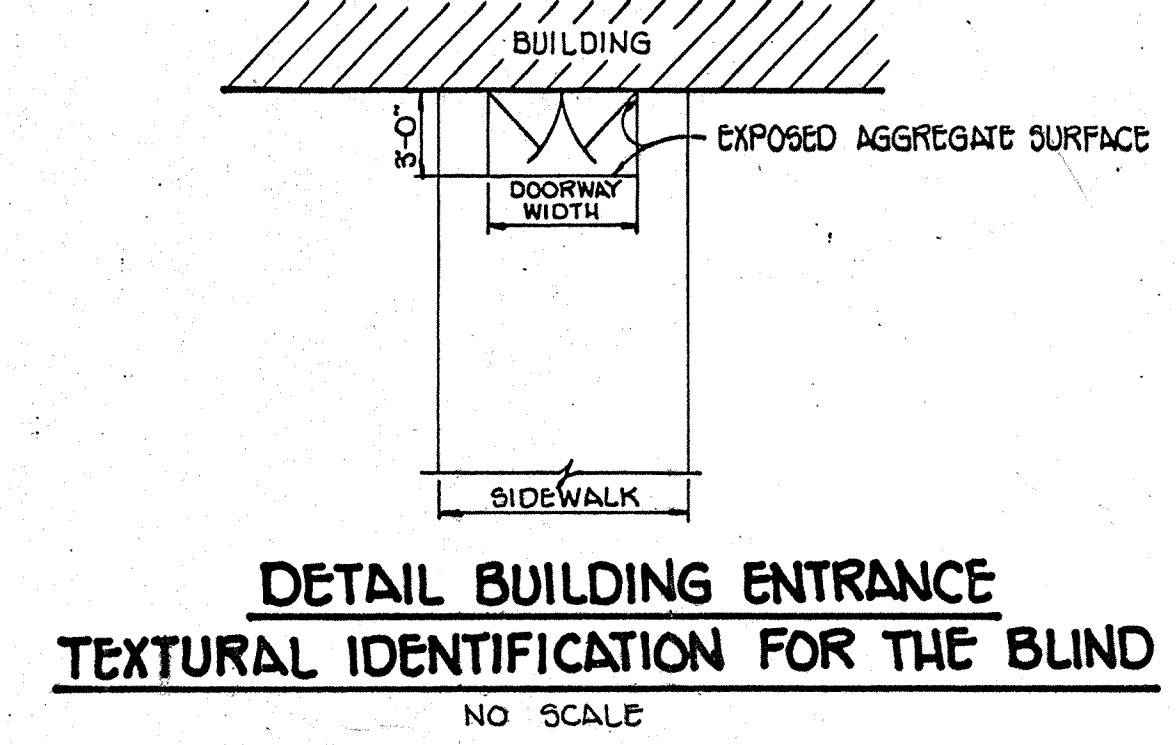
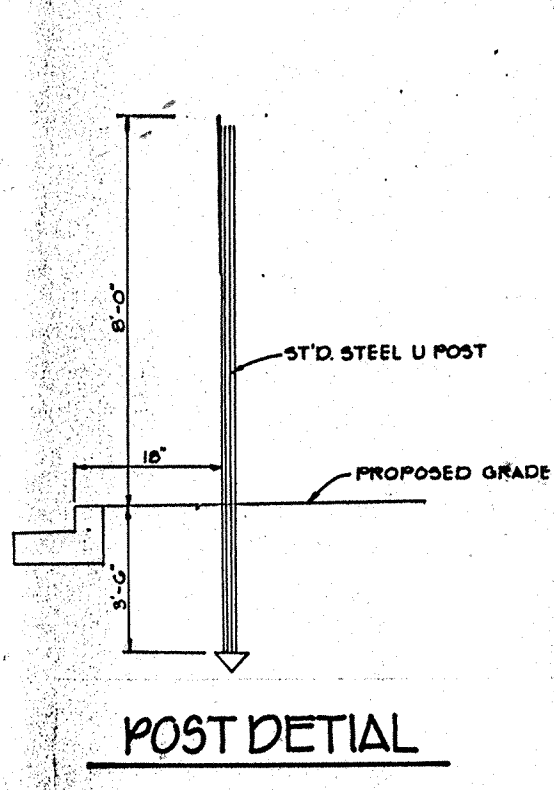
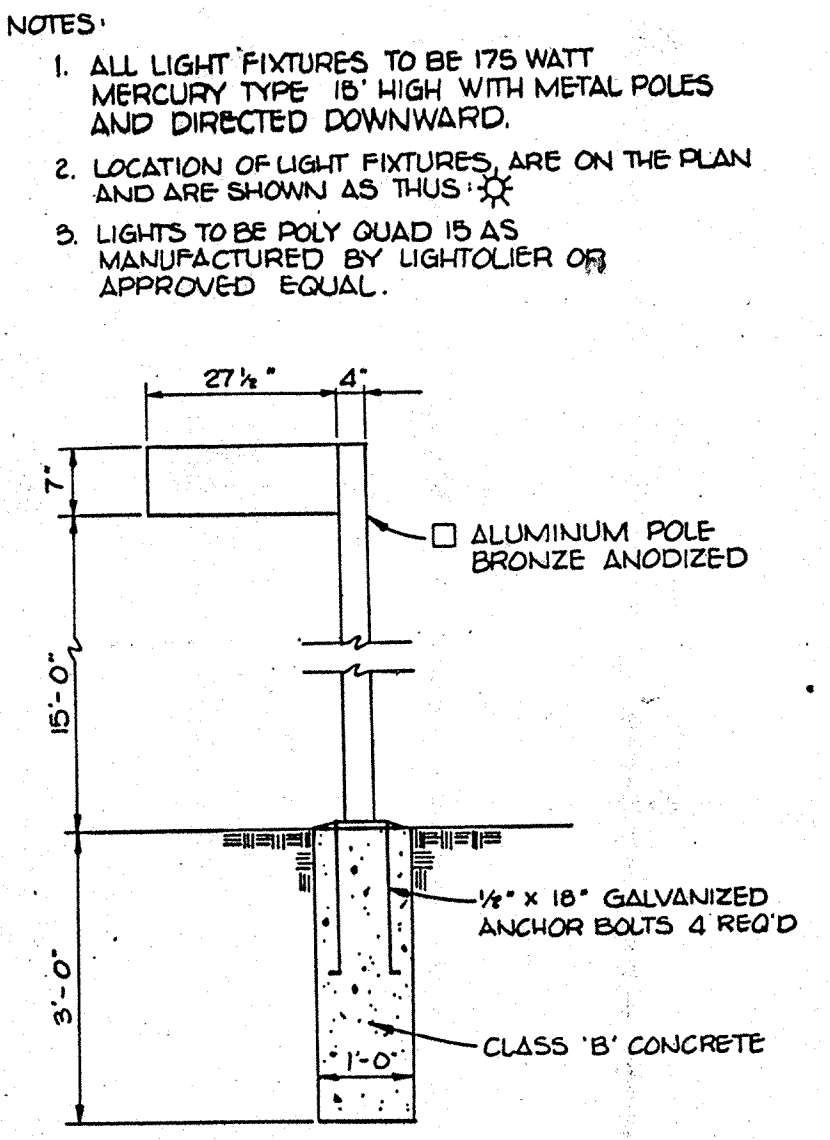
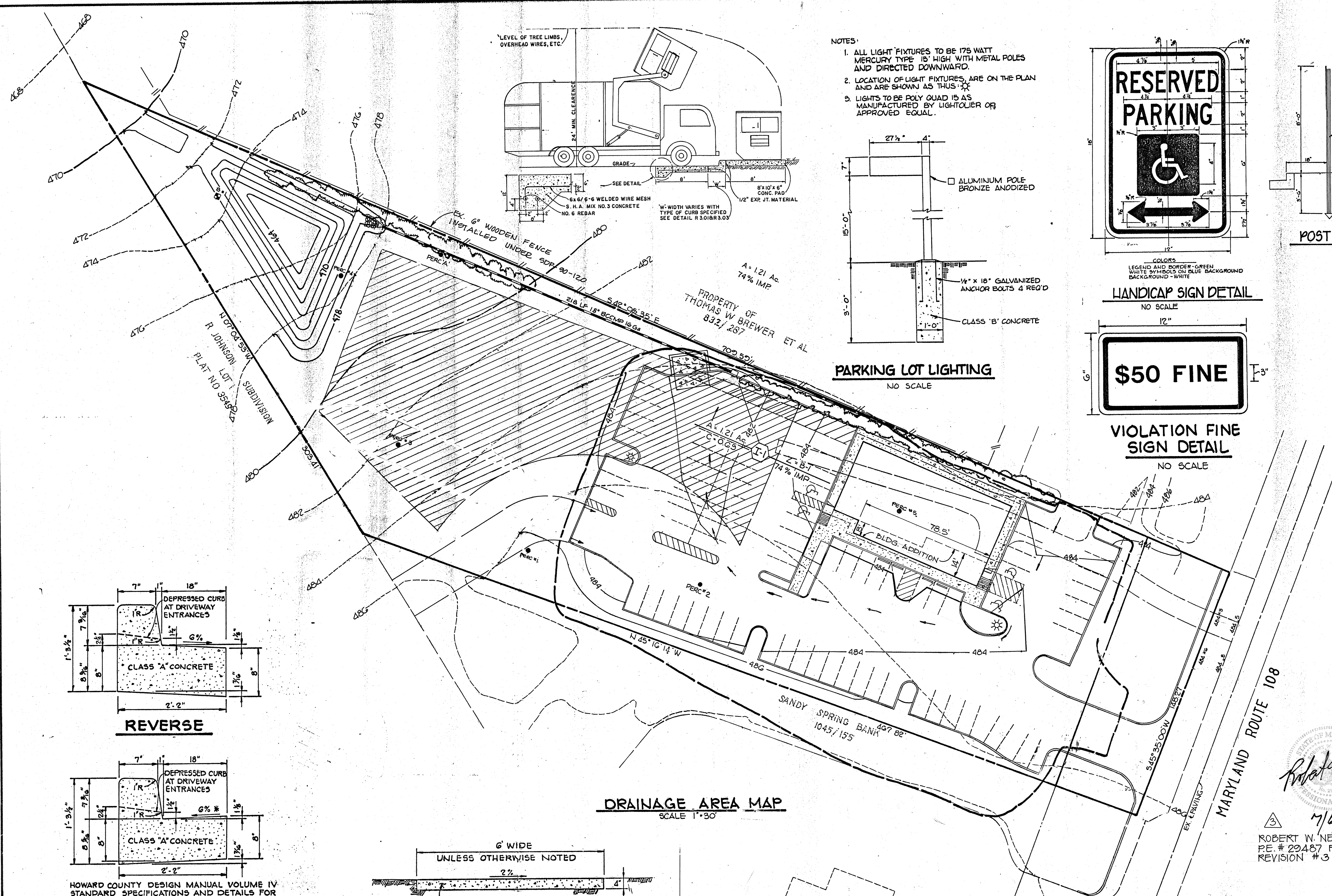
ADDRESS CHART

LOT NO	STREET ADDRESS
PARCEL 27	12268 CLARKSVILLE PIKE

SUBDIVISION NAME	SECT./AREA	PARCEL NO
NA	NA	27
L1608.F215	BLOCK C	ZONING B-1
		TAX/ZONE MAP 34
		ELF.C.DIST. 5 TH
		CENSUS TR. 6051
WATER CODE:	SEWER CODE:	
NA	NA	

AS-BUILT
(POND ONLY)

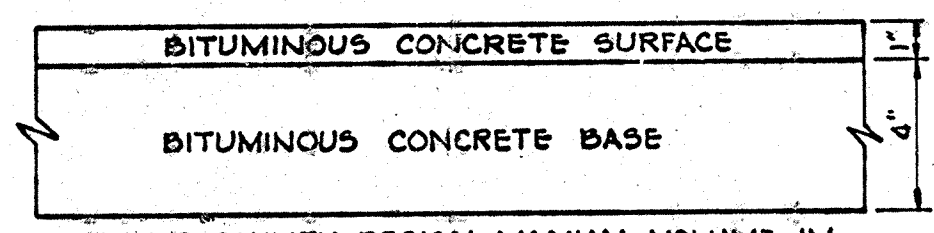
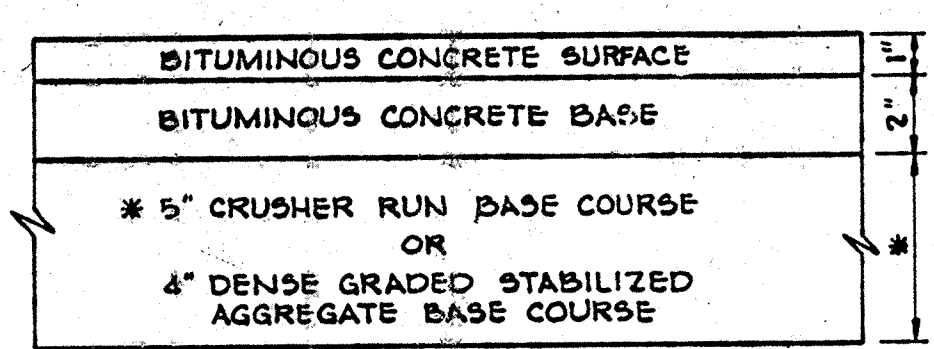
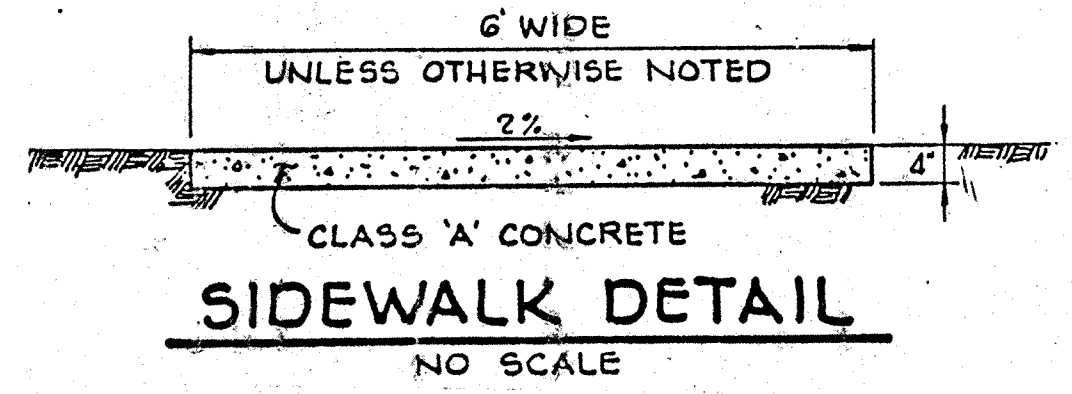
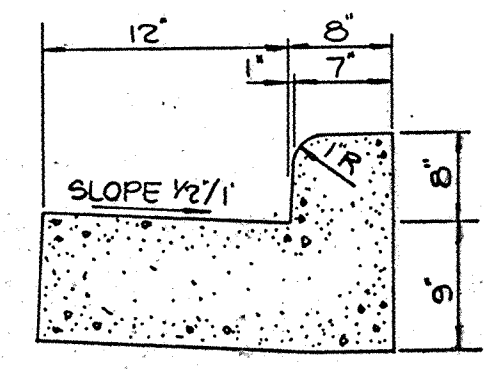
G. SCOTT SHANABERGER DATE
PROF. L.S. # 10849



HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-3.01)

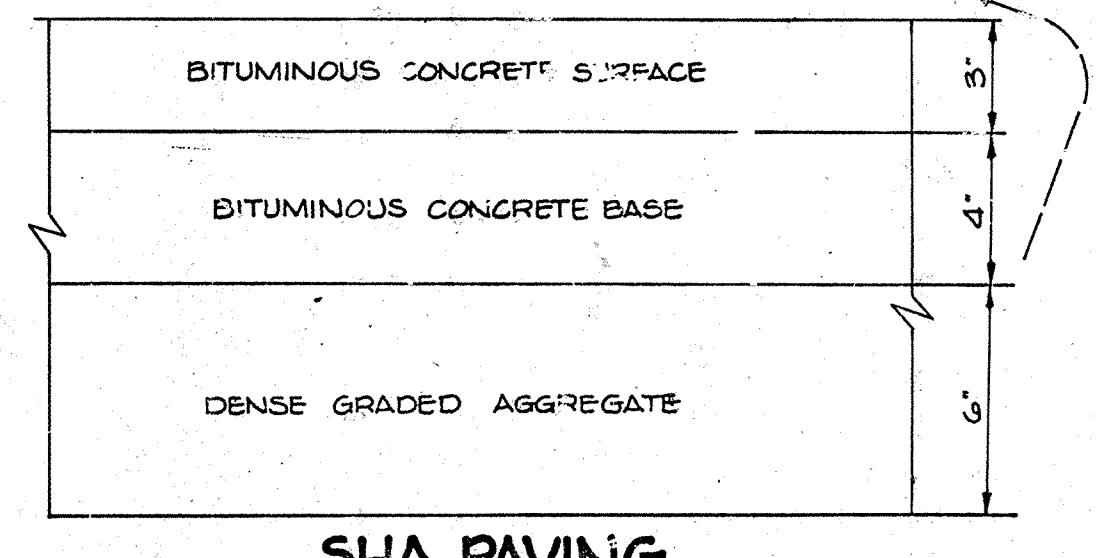
GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AS THE PAVEMENT.

STANDARD 7" COMBINATION CURB AND GUTTER



HOWARD COUNTY DESIGN MANUAL VOLUME IV STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (DRAWING R-2.01)

5" PAVING, P-1



DRAINAGE AREA MAP
SCALE 1"=30'

STRUCTURE		SCHEDULE				
NO	TYPE	LOCATION	INV IN	INV OUT	T.C. ELEV	REMARKS
I-1	A-5 INLET	SEE PLAN	-----	476.79	481.68	H.O.CO. STD SD 4.01
E-1	18" METAL END SECTION	SEE PLAN	-----	474.00	-----	H.O.CO. STD SD 5.61

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

Jozsef Borokus
COUNTY HEALTH OFFICER
2/27/91
DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING.

Joyce Smith
PLANNING DIRECTOR
6/24/91
DATE

Mark J. Kowalski
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
6/21/91
DATE

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

James J. Nelson
DIRECTOR
6/18/91
DATE

Michael S. Kowalski
CHIEF, BUREAU OF ENGINEERING
5-22-91
DATE

10/16/92	RELOCATE DUMPSTER PAD, SHOW POTENTIAL FUTURE ACCESS	
"	REMOVE BERM ALONG MD RTE 108	
NO	DATE	REVISION
8/12/03	BUILDING ADDITION, REVISE PARKING	BY RDA

TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering

8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105

STATE OF MARYLAND
JOHN W. EDWARDS
No. 15891
REGISTERED PROFESSIONAL ENGINEER

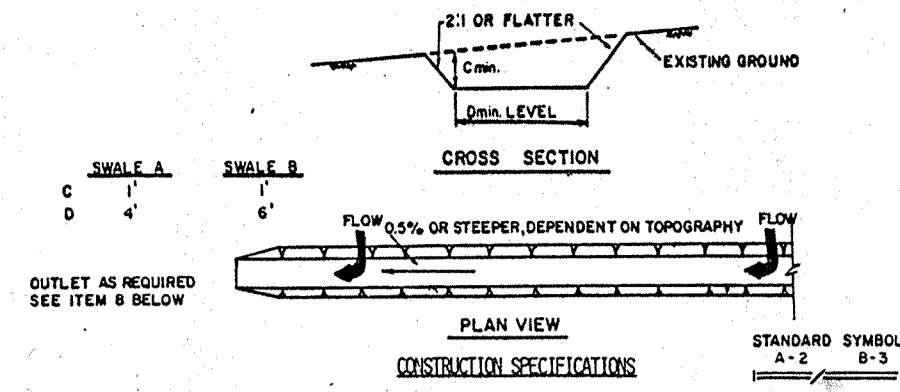
John Schulte
6/14/91

OWNER/DEVELOPER	PROJECT	PIZZA HUT CLARKSVILLE (RESTAURANT)
S & W PIZZA HUT OF MARYLAND, INC. 10220 OLD COLUMBIA ROAD COLUMBIA, MARYLAND 21046 (301) 720-6332	LOCATION TAX MAP NO 34, PARCEL 27, L.1008, F.215 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND	TITLE DRAINAGE AREA MAP AND DETAILS
SDP - 89-21	DATE JULY 25, 1988 FEB. 14, 1991	PROJECT NO OI21
DES. D.A.M.	DRN. C.R.S.	SCALE AS SHOWN DRAWING 2 OF 4

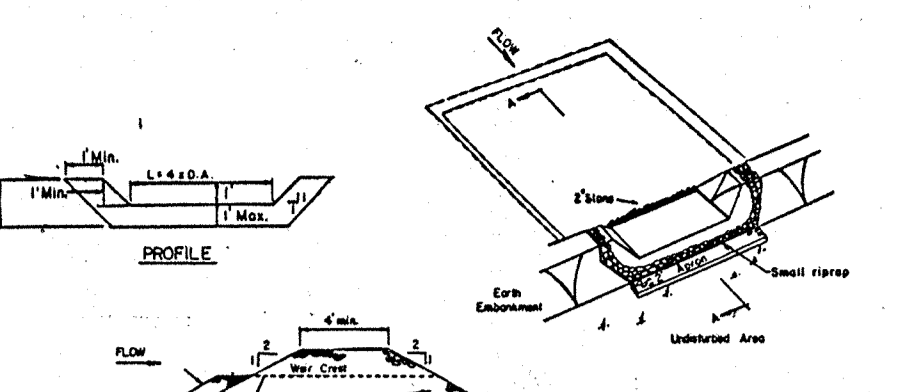
NOTE: AT NO TIME SHALL EQUIPMENT ENTER THE STORMWATER MANAGEMENT FACILITY TO AVOID COMPACTION OF THE SOIL.

STONE OUTLET SEDIMENT TRAP DATA

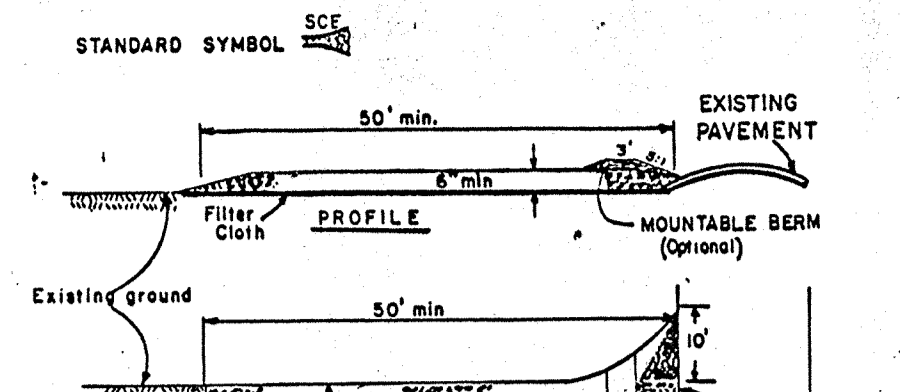
DRAINAGE AREA 2.2Ac
 STORAGE REQUIRED 3900 CU FT
 STORAGE PROVIDED 6732 CU FT
 CREST ELEV. 470.4
 BOTTOM ELEV. 466.0
 CLEANOUT ELEV. 467.5
 CREST WIDTH 10'



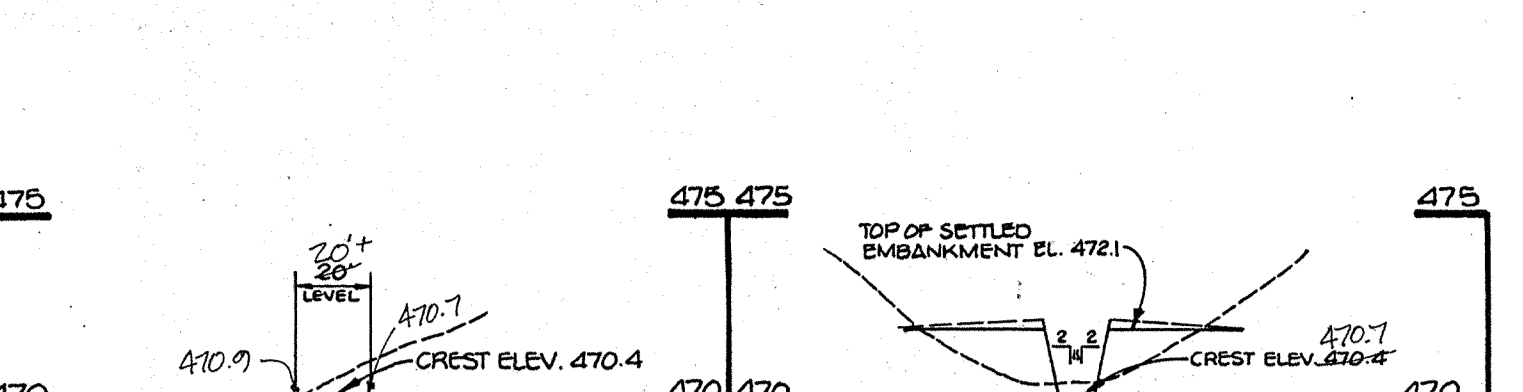
- CONSTRUCTION SPECIFICATIONS**
- ALL TEMPORARY SWALES SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
 - DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
 - DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET DIRECTLY INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.
 - ALL TREES, BRUSH, STUMPS, OBSTRUCTIONS, AND OTHER OBJECTIONABLE MATERIAL SHALL BE REMOVED AND DISPOSED OF SO AS NOT TO INTERFERE WITH THE PROPER FUNCTIONING OF THE SWALE.
 - THE SWALE SHALL BE EXCAVATED OR SHOWN TO LINE, GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED HEREIN AND BE FREE OF BANK PROJECTIONS OR OTHER IRREGULARITIES WHICH WILL IMPERFECT NORMAL FLOW.
 - FILLS SHALL BE COMPACTED BY EARTH MOVING EQUIPMENT.
 - ALL EARTH MOVING AND NOT IN ACCORDANCE WITH CONSTRUCTION SHALL BE PLACED SO THAT IT WILL NOT INTERFERE WITH THE FUNCTIONING OF THE SWALE.
 - STABILIZATION SHALL BE AS PER THE CHART BELOW:
- | TYPE OF DISTURBANCE | COVER | A (5' or less) | B (5' - 10') |
|---------------------|---------------|------------------------------|--|
| 1 | 0.5-3.0" SEED | SEED AND STRAW MULCH | SEED AND STRAW MULCH |
| 2 | 3.1-5.0" SEED | SEED AND STRAW MULCH | SEED USING JUTE OR COCOON MAT |
| 3 | 5.1-8.0" SEED | SEED WITH JUTE OR COCOON MAT | LINED RIPP-RAP 4-8" RECYCLED CONCRETE EQUIVALENT |
| 4 | 8.1-20" SEED | LINED 4-8" RIP-RAP | ENGINEERED DESIGN |
9. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.



- CONSTRUCTION SPECIFICATIONS FOR ST-1**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and top soil. The soil area shall be cleared.
 - The fill material for the embankment shall be free of roots and other woody vegetation as well as gravel, stones, rocks, organic material or other objectionable material. The embankment shall be compacted by tamping with equipment while it is being constructed.
 - All cut and fill slopes shall be 2:1 or flatter.
 - The stone used in the outlet shall be small riprap 4-8" along with a 1" thickness of 2" aggregate placed on the upstream side on the small riprap to stabilize filter cloth in the riprap.
 - Sediment shall be removed and trap restored to its original condition when the sediment has accumulated to the design depth of the trap.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
 - Periodic inspection and needed maintenance shall be provided after each rain.



- CONSTRUCTION SPECIFICATIONS**
- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 - Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
 - Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable berm with 1:1 slopes will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanout of any measures used to trap sediment. All sediment spilled, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 - Warning - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
 - Periodic inspection and needed maintenance shall be provided after each rain.



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

James M. Nelson / J.M. S.S. SOIL CONSERVATION SERVICE 1/14/91 DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: Robert W. Nelson / HOWARD S.C.D. 1/11/91 DATE

BY THE DEVELOPER:

"I CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

APPROVED: John F. Selig / DEVELOPER 1/4/91 DATE

BY THE ENGINEER:

"I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

APPROVED: John E. Schmitz / ENGINEER 1/14/91 DATE

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

APPROVED: Howard County Dept. of Planning and Zoning

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

APPROVED: James J. Selig / DIRECTOR 1/14/91 DATE

APPROVED: William S. Ryan / CHIEF, BUREAU OF ENGINEERING 1/14/91 DATE

REVISIONS:

NO	DATE	REVISION	BY
1	10/16/92	RELOCATE DUMPSTER PAD, SHOW POTENTIAL FUTURE ACCESS	
2		REMOVE BERM ALONG MD. RTE. 100	
3	8/12/03	BUILDING ADDITION, PARKING REVISION	BY RBA

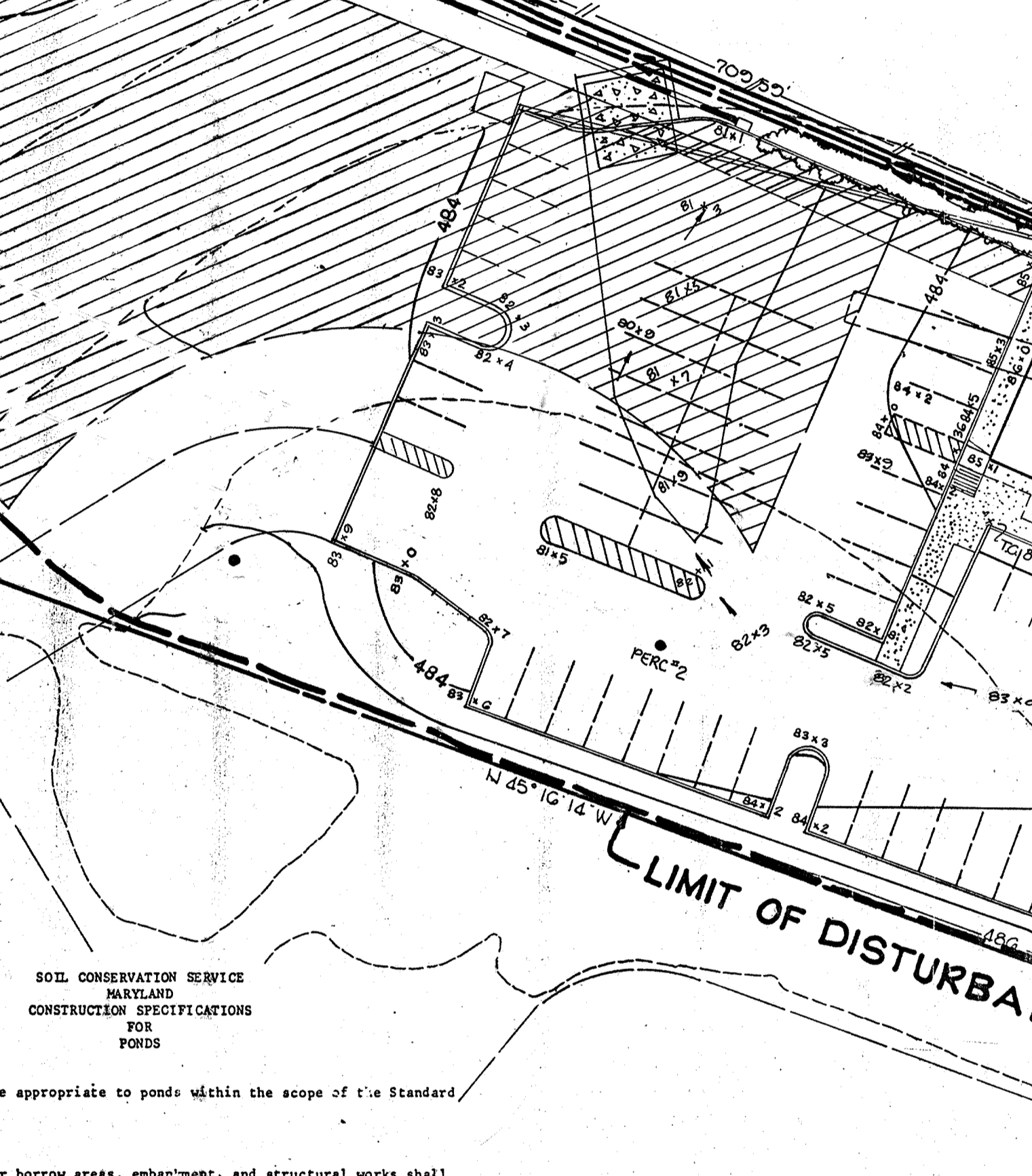
BORING LOG

DEPTH	SOIL TYPE	REMARKS
0-1	Clayey SILT (LCS)	Water on red line
1-2	Topsoil (LCS)	
2-3	Silt, red, brown, moist, medium dense, silty clay to medium SAND (S), fine Grassy Grass	Completion: Water: Dry, Care in 10'
3-4	Silt, red, brown, moist, medium dense, silty SAND, MARGINAL SILT (LCS)	
4-5	Silt, red, brown, moist, medium dense, silty SAND, MARGINAL SILT (LCS)	
5-6	Silt, red, brown, moist, medium dense, silty SAND, MARGINAL SILT (LCS)	
6-7	Silt, red, brown, moist, medium dense, silty SAND, MARGINAL SILT (LCS)	
7-8	Silt, red, brown, moist, medium dense, silty SAND, MARGINAL SILT (LCS)	
8-9	Silt, red, brown, moist, medium dense, silty SAND, MARGINAL SILT (LCS)	
9-10	Silt, red, brown, moist, medium dense, silty SAND, MARGINAL SILT (LCS)	
10-11	Silt, red, brown, moist, medium dense, silty SAND, MARGINAL SILT (LCS)	
11-12	Silt, red, brown, moist, medium dense, silty SAND, MARGINAL SILT (LCS)	

- SEEDING CONTROL NOTES**
- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (900-3437).
 - ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
 - ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (Sec. 51) SOD (Sec. 54), TEMPORARY SEEDING (Sec. 50) AND MULCHING (Sec. 52). TEMPORARY STABILIZATION WITH MULCH ALONE 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 CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - 7) SITE ANALYSIS:
 TOTAL AREA OF SITE 2.21 ACRES
 AREA TO BE ROOFED OR PAVED 0.00 ACRES
 AREA TO BE VEGETATIVELY STABILIZED 0.00 ACRES
 TOTAL CUT 2500 CU YDS.
 TOTAL FILL 0.00 CU YDS.
 OFFSITE WASTE/BORROW AREA LOCATION
 - 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) ALL SEDIMENT TRAPS 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.

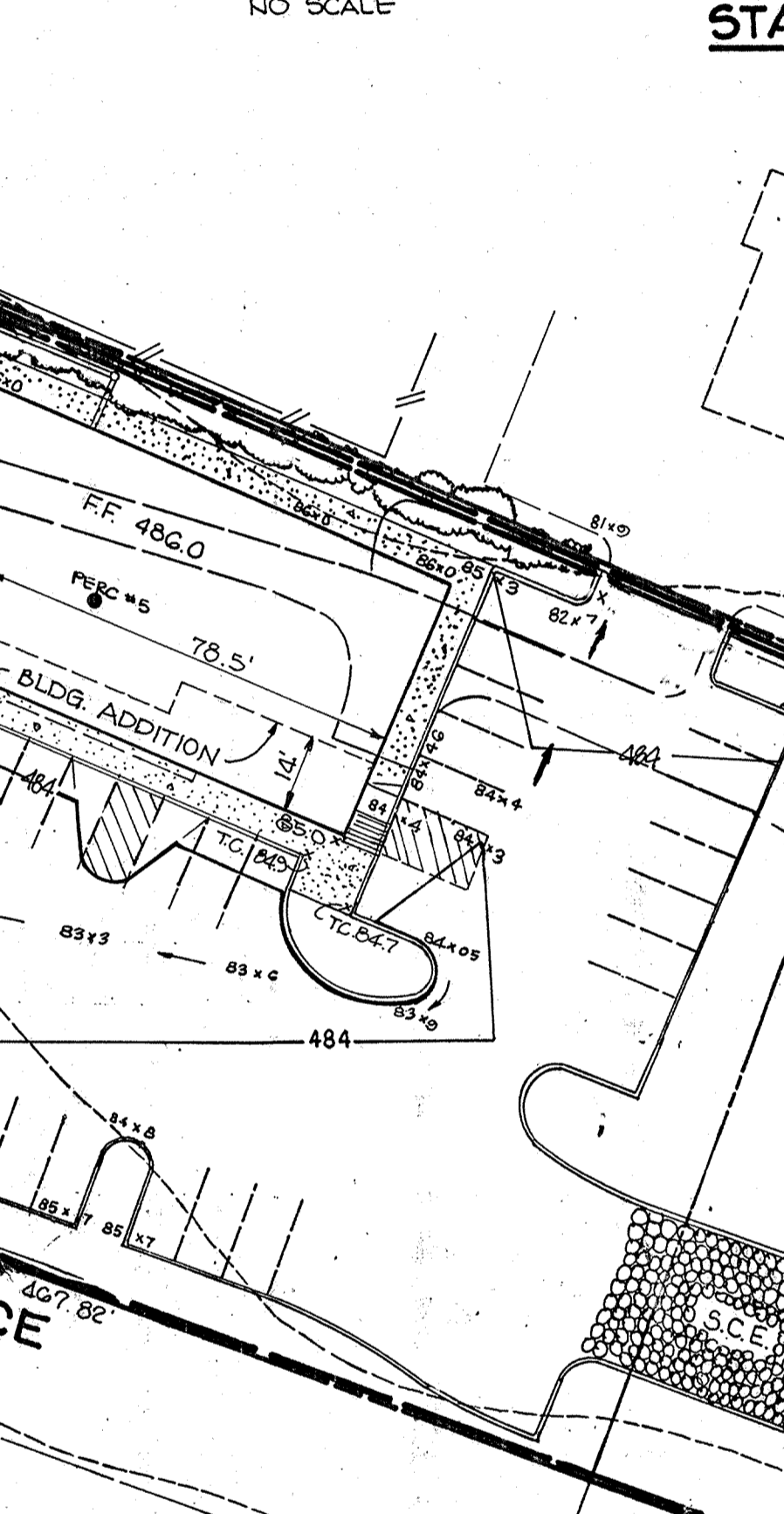
- PERMANENT SEEDBED PREPARATION**
- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
- PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 lbs/1000 sq ft) AND 600 lbs PER ACRE 10-10-10 FERTILIZER (14 lbs/1000 sq ft) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 lbs/1000 sq ft)
 - 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 OF 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 PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELL ANCHORED STRAW.
- MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 lbs/1000 sq ft) OF UNKNOTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GALLONS PER ACRE (5 gal/1000 sq ft) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 gal/1000 sq ft) FOR ANCHORING.
- MAINTENANCE: INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.
- TEMPORARY SEEDBED PREPARATION**
- 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, 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 1 THRU NOVEMBER 15, SEED WITH 2 TONS PER ACRE OF ANNUAL RYE (3.2 lbs/1000 sq ft). FOR THE PERIOD MAY 1 THRU AUGUST 15, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (1.07 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 UNKNOTTED 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 GALLONS 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.

STONE OUTLET SEDIMENT TRAP



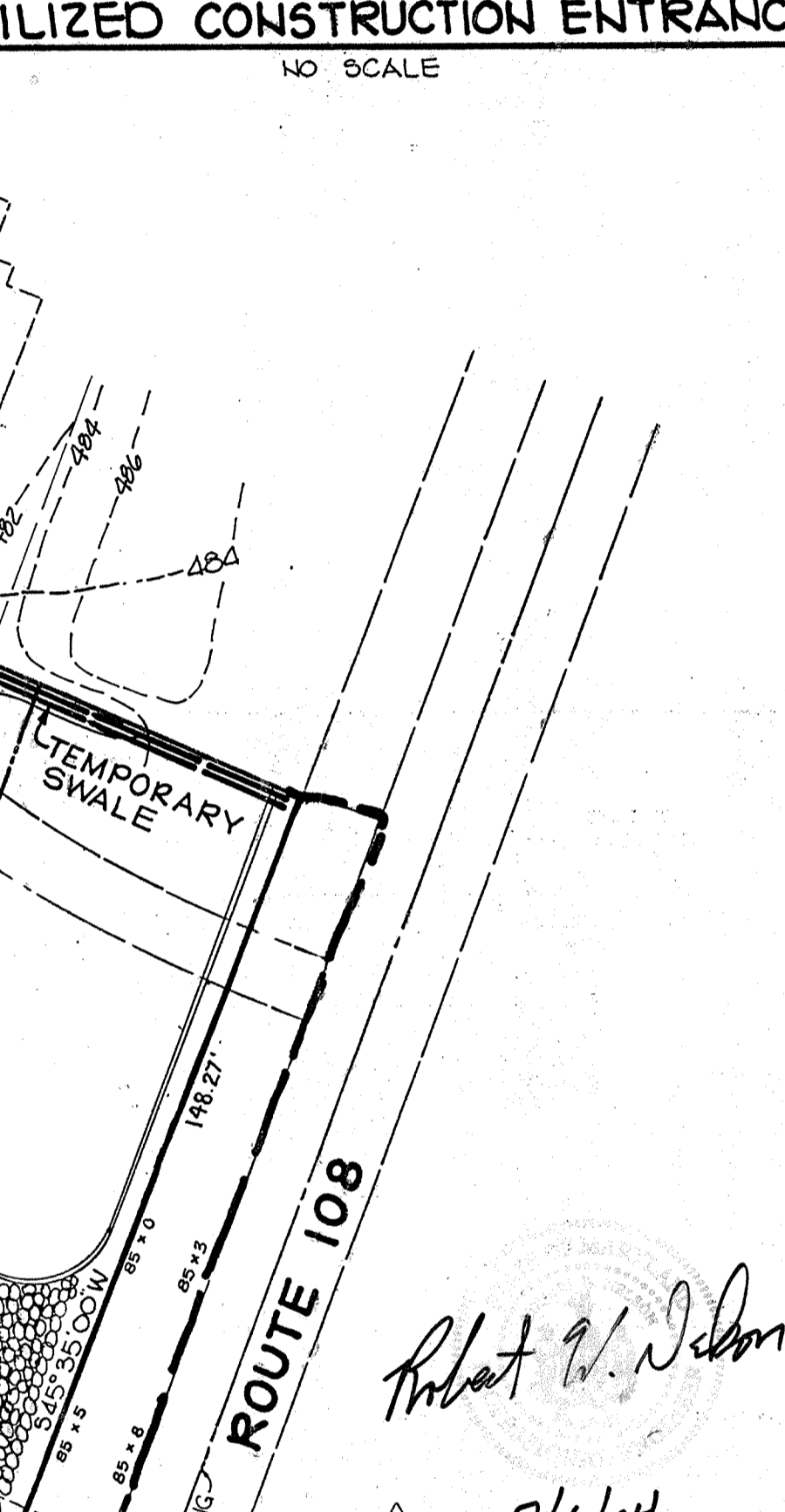
- PLAN SCALE: 1"=30'**
- THESE SPECIFICATIONS ARE APPROPRIATE TO PONDS WITHIN THE SCOPE OF THE STANDARD FOR PRACTICE 378.
- I. SITE PREPARATION**
- Areas designated for borrow areas, embankments, and structural works shall be cleared, grubbed and stripped of topsoil. All trees, vegetation, roots and other objectionable material shall be removed. Channel banks and sharp breaks shall be sloped to no steeper than 1:1.
- Areas to be covered by the pond or reservoir will be cleared of all trees, brush, logs, fence, rubbish and other objectionable material unless otherwise designated on the plans. The embankment shall be cut approximately level with the ground surface.
- All cleared and grubbed material shall be disposed of outside and below the limits of the dam and reservoir as directed by the owner or his representative. When specified, a sufficient quantity of topsoil will be accepted in a suitable location for use on the embankment and other designated areas.
- II. EARTH FILL**
- Material**
- The fill material shall be taken from approved designated borrow area or areas. It shall be free of roots, stumps, wood, rubbish, oversize stones, frozen or other objectionable material. The embankment shall be constructed to an elevation which provides for anticipated settlement to the design elevation. The fill height all along the length of the embankment shall be increased above the design elevation (including freeboard) as shown on the plans.
- Placement**
- Areas on which fill is to be placed shall be scarified prior to placement of fill. Fill materials shall be placed in 6-inch maximum thickness (before compaction) layers which are to be continuous over the entire length of the fill. The most porous borrow material shall be placed in the downstream portions of the embankment.
- Compaction**
- The movement of the hauling and spreading equipment over the fill shall be controlled so that the entire surface of each lift shall be traversed by not less than one tread track of the equipment or compaction shall be achieved by a minimum of four complete passes of a sheepfoot, rubber tired or vibratory roller. Fill material shall contain sufficient moisture such that the required degree of compaction can be obtained with the equipment used.
- Where a minimum required density is specified, each layer of fill shall be compacted as necessary to obtain that density and is to be certified by the Engineer.
- Cutoff Trench**
- Where specified, a cutoff trench shall be excavated along or parallel to the centerline of the embankment as shown on the plans. The bottom width of the trench shall be as shown on the drawings, with the minimum width being four feet. The depth shall be at least four feet or as shown on the plans. The side slopes of the trench shall be 1 to 1 or flatter. The backfill material for the cutoff trench shall be the most impervious material available and shall be compacted with equipment or rollers to assure maximum density and minimum permeability.
- III. STRUCTURAL BACKFILL**
- Backfill material shall be of the type and quality conforming to that specified for the adjoining fill material. The fill shall be placed in horizontal layers not to exceed four inches in thickness and compacted by hand tampers or other compaction equipment. The material needs to fill completely all spaces under and adjacent to the pipe. At no time during the backfilling operation shall driven equipment be allowed to operate closer than four feet, measured horizontally, to any part of a structure. Under no circumstances shall equipment be driven over any part of a concrete structure or pipe unless there is a compacted fill of twenty-four inches or greater over the structure or pipe.
- IV. UTILITIES**
- All borrow areas shall be graded to provide proper drainage and left in a slightly condition. All exposed surfaces of the embankment, spillway, spoil and borrow areas, and berms shall be stabilized by seeding, liming, fertilizing and mulching (if required) in accordance with the vegetative treatment specifications or as shown on the accompanying drawings.
- V. EROSION AND SEDIMENT CONTROL**
- Construction operations will be carried out in such a manner that erosion will be controlled and water and air pollution minimized. State and local laws concerning pollution abatement will be followed. Construction plans shall detail erosion and sediment control measures to be employed during the construction process.
- REMOVE ALL SEDIMENT FROM SEDIMENT TRAP.
 - EXCAVATE BOTTOM TO ELEVATION 464.0 AS SHOWN ON THE DEVELOPMENT PLAN.
 - STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDBED NOTES.

TEMPORARY SWALE



- SEQUENCE OF CONSTRUCTION**
- | DAY | ACTIVITY |
|-----------|--|
| DAY 1 | OBTAIN A GRADING PERMIT. |
| DAY 2-4 | INSPECT STABILIZED CONSTRUCTION ENTRANCE (SCE) AND TEMPORARY SWALE. |
| DAY 5-8 | INSTALL SEDIMENT TRAP. |
| DAY 9-29 | RAZE EXISTING STRUCTURES ON SITE AND GRADE TO SUBGRADE STABILIZED DISTURBED AREAS IN ACCORDANCE WITH TEMPORARY SEEDBED NOTES. |
| DAY 30-35 | INSTALL UTILITIES. |
| DAY 36-60 | COMMENCE CONSTRUCTION OF BUILDING AND CONSTRUCT PARKING LOT. |
| DAY 61-63 | STABILIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDBED NOTES. |
| DAY 64-70 | UPON APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT FROM SEDIMENT TRAP, EXCAVATE BOTTOM TO ELEVATION 464.0 AS SHOWN ON THE DEVELOPMENT PLAN. |

STABILIZED CONSTRUCTION ENTRANCE



- AS-BUILT (POND ONLY)**
- 7/6/04
- ROBERT W. NELSON
 PE #22487 FOR REVISION #3 ONLY
- G. GLOTT SHAWBERGETZ
 PROF. U.S. #10843

TRACY, SCHULTE & ASSOCIATES INC.
 planning • architecture • engineering

8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105

STATE OF MARYLAND
 JOHN M. EDWARDS
 GOVERNOR
 REGISTERED PROFESSIONAL ENGINEER

OWNER/DEVELOPER: PIZZA HUT CLARKSVILLE (RESTAURANT)

PROJECT: PIZZA HUT CLARKSVILLE (RESTAURANT)

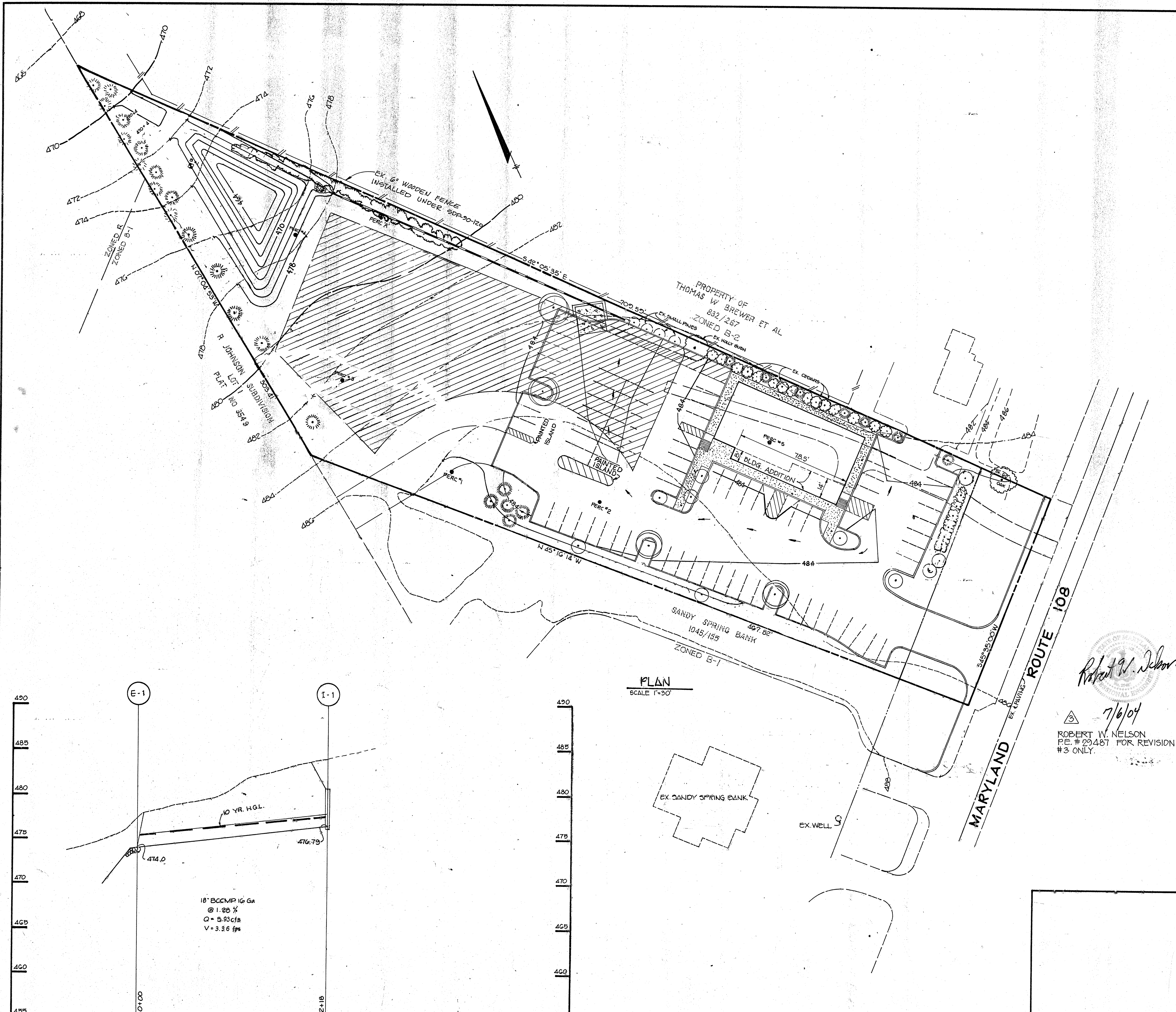
LOCATION: TAX MAP 140 34, PARCEL 27, LIG08, F. 215
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: SEDIMENT CONTROL PLAN AND DETAILS

SDP: 89-21
 DATE: JULY 28, 1988
 DATE: FEB. 14, 1991
 PROJECT NO: OI21
 SCALE: AS SHOWN
 DRAWING: 3 OF 4

DES: D.A.M. DRN: KLN./M.M.

SDP: 89-21



PLANT LIST			
SYMBOL	QUANTITY	NAME	REMARKS
	4	ACER SACCHARUM Sugar Maple	2 1/2 MIN CAL B & B FULL HEAD
	28	PINUS STROBUS Eastern White Pine	5'-6" H B & B UN SHEARED
	10	PYRUS CALLERYANA Bradford Bradford Pear	2 1/2 MIN CAL B & B FULL HEAD
	21	SHRUBS	36" H B & B

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

Robert W. Nelson 2/27/91
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING.

Joseph R. Smith 6/24/91
PLANNING DIRECTOR DATE

Thomas W. Brewer 4/24/91
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND PUBLIC ROADS.

James J. Nelson 4/24/91
DIRECTOR DATE

Michael S. Reed 5-22-91
CHIEF, BUREAU OF ENGINEERING DATE

10/16/92 RELOCATE DUMPSTER PAD, SHOW POTENTIAL FUTURE ACCESS AND ADDITIONAL SHRUBS
NO DATE REVISION

3/12/03 BUILDING ADDITION, PARKING REVISION BY RBA

TRACY, SCHULTE & ASSOCIATES INC.
planning • architecture • engineering
8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (301) 465-6105

STATE OF MARYLAND
JAMES H. BOGGS
NO. 10891
PROFESSIONAL ENGINEER

OWNER/DEVELOPER: PIZZA HUT OF MARYLAND, INC.
10220 OLD COLUMBIA ROAD
COLUMBIA, MARYLAND 21046
(301) 720-0339

PROJECT: PIZZA HUT CLARKSVILLE (RESTAURANT)
LOCATION: TAX MAP NO 34, PARCEL 27, L1008, F. 215
5TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: PLANTING PLAN AND STORM DRAIN PROFILE
SDP-89-21

DATE: JULY 25, 1988
FEB. 14, 1991

PROJECT NO. 0121

DES. D.A.M. DRN. KLN/MM SCALE AS SHOWN DRAWING 4 OF 4

SDP-89-21