SHA GENERAL NOTES:

1.) ROADWAY WORK WITHIN THE STATE RIGHT-OF- WAY WILL BE CONSTRUCTED IN ACCORDANCE WITH THE SHA ACCESS PERMIT.
2.) CONTRACTOR WILL CONTACT THE SHA INSPECTOR FOR TESTING OF PAVEMENT FOR TRAFFIC BEARING CAPACITY.
3.) PROPOSED PAVEMENT, 1½" SF, 6" ASPHALT BASE, 6" BASE COURSE GRADED AGGREGATE.
4.) ADJUST MANHOLE FRAME & COVER, VALVE BOX AND HAND BOX TO MATCH NEW PAVEMENT.

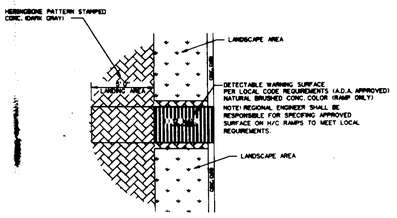
SITE GENERAL NOTES:

1. THE LOCATION OF THE EXISTING UTILITIES AS SHOWN ON THIS PLAN ARE APPROXIMATE, THE CONTRACTOR SHALL LOCATE ALL UTILITIES TO HIS OWN SATISFACTION.
2. ALL CONSTRUCTION ON SITE SHALL BE IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATIONS AND DETIALS FOR CONSTRUCTION, OR AS SHOWN ON THESE PLANS.
3. ANY DAMAGE TO PUBLIC RIGHTS OF WAY AND / OR ADJACENT PROPERTIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
4. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT (1-800-257-7777) AT LEAST 48 HOURS PRIOR TO STARTING EXCAVATION.
5. ALL UTILITIES INSTALLED SHALL RECEIVE FULL TRENCH COMPACTION.
6. THE CONTRACTOR SHALL REMOVE ALL EXISTING PAVING CURB AND GUTTER, ETC. THAT MAY INTERFERE WITH PROPOSED CONSTRUCTION.
7. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 3.5' COVER OVER PROPOSED WATER LINE.
8. THIS PROJECT IS EXEMPT FROM THE PROVISIONS AND REQUIREMENTS OF PROVIDING STORMWATER MANAGEMENT AS PER SEC. 5.12.,(6,6 "NO NET INCREASE IN IMPERVIOUS COVER PRIOR TO JULY 1, 1984".
9. PLAN PREVIOUSLY FILED: WP-96-122, WP-97-19.

THE ENTIRE PROJECTS AREA IS LOCATED WITHIN THE HYDROLOGIC SOIL GROUP B (G182) TAKEN FROM THE HOWARD COUNTY SOILS MAP No. 15.

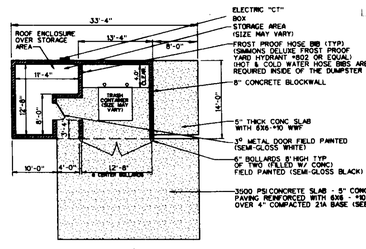
BENCH MARK:

"A" SET-BOX CUT ON TOP OF CURB ELEVATION - 390.35

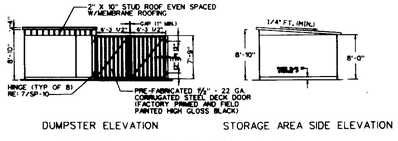


FLORIDA REQUIREMENTS: 4.29.2(2) DETECTABLE WARNING SURFACES REQUIRED BY THE CODE SHALL BE GOVERNED BY ANSI A117.1 1986.

H.C. RAMP DETAIL
NOT TO SCALE

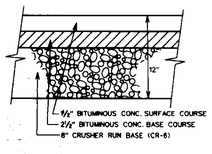


DUMPSTER PLAN

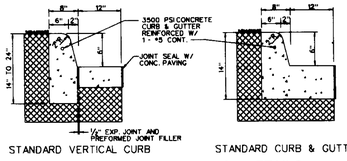


DUMPSTER ELEVATION — STORAGE AREA SIDE ELEVATION

DUMPSTER W/STORAGE DETAIL
NOT TO SCALE

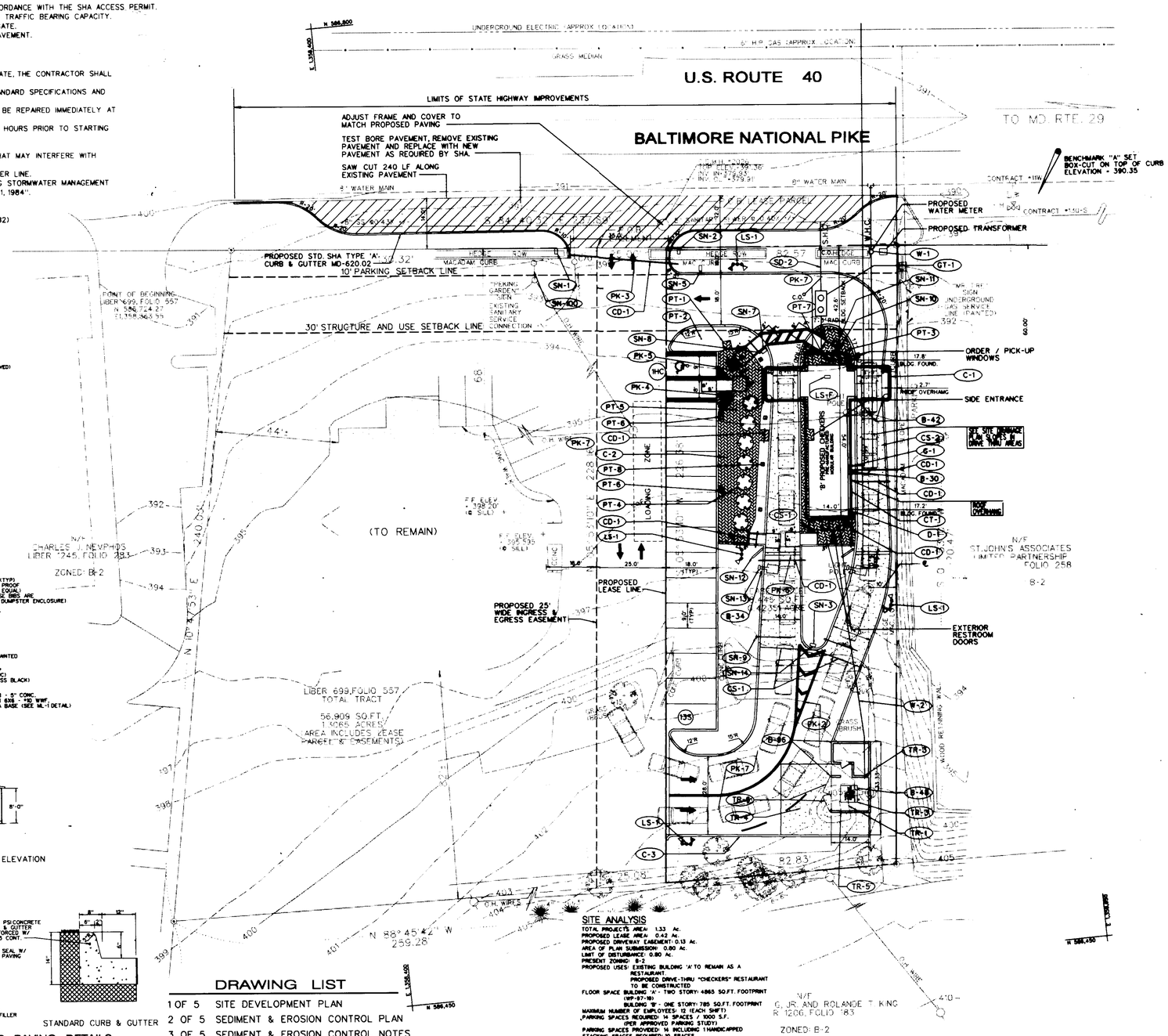


P-2 TYPICAL PAVEMENT SECTION
NOT TO SCALE



STANDARD VERTICAL CURB — STANDARD CURB & GUTTER

CURB AND PAVING DETAILS
NOT TO SCALE



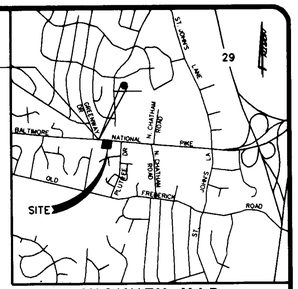
SITE ANALYSIS

TOTAL PROJECT'S AREA: 1.33 Ac.
PROPOSED LEASE AREA: 0.42 Ac.
PROPOSED DRIVEWAY EASEMENT: 0.13 Ac.
AREA OF PLAN SUBMISSION: 0.80 Ac.
LIMIT OF DISTURBANCE: 0.80 Ac.
PRESENT ZONING: B-2
PROPOSED USES: EXISTING BUILDING 'A' TO REMAIN AS A RESTAURANT.
PROPOSED DRIVE-THRU "CHECKERS" RESTAURANT TO BE CONSTRUCTED
FLOOR SPACE BUILDING 'A' - TWO STORY: 4865 SQ.FT. FOOTPRINT (WP-97-19)
BUILDING 'B' - ONE STORY: 785 SQ.FT. FOOTPRINT
MAXIMUM NUMBER OF EMPLOYEES: 12 (EACH SHIFT)
PARKING SPACES REQUIRED: 14 SPACES / 1000 S.F. (PER APPROVED PARKING STUDY)
PARKING SPACES PROVIDED: 16 INCLUDING 1 HANDICAPPED
STACKING SPACES REQUIRED: 10 SPACES
STACKING SPACES PROVIDED: 10 SPACES
OPENSPACE ON SITE: 0.10 Ac. 20 % GRASS
BUILDING COVERAGE EX. BLDG. 'A' - 4865 SQ.FT.
PROPOSED BLDG. 'B' - 785 SQ.FT.
TOTAL - 5,650 SQ.FT.

DRAWING LIST

1 OF 5 SITE DEVELOPMENT PLAN
2 OF 5 SEDIMENT & EROSION CONTROL PLAN
3 OF 5 SEDIMENT & EROSION CONTROL NOTES
4 OF 5 UTILITY PROFILES, DETAILS & NOTES
5 OF 5 LANDSCAPE PLAN & DETAILS

CONTROL POINT
HO. CO '24B5'
N 586,956.2086
E 1,356,570.8174
ELEVATION - 390.965



VICINITY MAP
SCALE : 1" - 2,000'

Checkers

PROPOSED SITE IMPROVEMENTS ITEM LIST AND QUANTITY

ITEM*	DESCRIPTION	QUANT.	PROVIDED BY:	INSTALLED BY:
SN-1	ILLUMINATED "ENTER" SIGN/DOUBLE SIDED	1 EA.	F/S	S
SN-2	ILLUMINATED "EXIT" SIGN/DOUBLE SIDED	1 EA.	F/S	S
SN-3	ILLUMINATED "CHECKERS" SIGN	1 EA.	F/S	S
SN-4	NOT USED	0 EA.	F/S	S
SN-5	NOT USED	0 EA.	F/S	S
SN-7	ILLUMINATED "CAUTION WATCH FOR CARS" SIGN	1 EA.	F/S	S
SN-8	ILLUMINATED "CAUTION PEDESTRIAN CROSSING" SIGN	1 EA.	F/S	S
SN-9	9'-0" CLEARANCE SIGN AND POLE	2 EA.	F/S	S
SN-10	ILLUMINATED STANDARD CHECKERS WALL SIGN	3 EA.	F/S	S
SN-11	WALK-UP MENU SIGN	1 EA.	F/S	S
SN-12	DRIVE-UP MENU SIGN	2 EA.	F/S	S
SN-13	SPEAKER POST AT DRIVE-UP MENU (W/ BELOW GRADE SOUND LOOP)	2 EA.	F/S	S
SN-14	ILLUMINATED "TWO LANES TO BETTER SERVE YOU" SIGN	1 EA.	F/S	S
CT-1	CT CABINET	1 EA.	GC	GC
SN-100	24 S.F. PYLON SIGN 7'-X 13'W/READER BOARD (CUSTOM SIGN)	1 EA.	F/S	S
RW-1	NOT USED	0 LF	GC	GC
LS-1	SITE LIGHTING (2-1000W METAL HALIDE FIXTURES W/30'H. BLK. FIBERGLASS POLE (SHADED FIXTURE INDICATES LUMINARE ON DUSK TO DAWN PHOTOCELL CIRCUIT/PROVIDED BY CONTRACTOR)	4 EA.	CM	GC
LS-F	1000W METAL HALIDE LIGHT FIXTURE, ROOF MOUNTED TO ILLUMINATE FLAG W/DUSK TO DAWN PHOTOCELL CIRCUIT/PROVIDED BY CONTRACTOR	1 EA.	CM	GC
PT-1	NOT USED	1 EA.	GC	GC
PT-2	50'H. FLAGPOLE	1 EA.	CM	GC
PT-3	5"DIA. STAINLESS STEEL HAND RAILS	2 SETS	CM	GC
PT-4	OUTDOOR SEATING WAUSAU TILE : MODEL TF3125GH	7 EA.	F/P	GC
PT-5	OUTDOOR SEATING WAUSAU TILE : MODEL TF3110GH (H/C)	1 EA.	F/P	GC
PT-6	WASTE CONTAINER W/PUSH-DOOR TOP/CIGARETTE SNUFFER WAUSAU TILE	2 EA.	F/P	GC
PT-7	CIGARETTE SNUFFER WAUSAU TILE: MODEL TF2040EB	1 EA.	F/P	GC
PT-8	SPEAKER BOLLARD WAUSAU TILE: MODEL TF6045SN	4 EA.	F/P	GC
B-34	34"H. X 4"D. BOLLARD (@ MENU SPEAKER)	2 EA.	GC	GC
B-30	30"H. X 4"D. BOLLARD (@ GAS METER)	1 EA.	GC	GC
B-42	42"H. X 4"D. BOLLARD (@ DRIVE-THRU)	8 EA.	GC	GC
B-48	48"H. X 4"D. BOLLARD (@ TRASH ENCLOSURE)	4EA.	GC	GC
B-96	96"H. X 4"D. BOLLARD (@ TRASH ENCLOSURE)	2 EA.	CM	GC
D-1	3" PVC ROOF DRAIN IN CURB	4 EA.	GC	GC
G-1	GAS METER & GAS SERVICE LINE	1 EA.	GC	GC
TR-1	8' HIGH CONC. BLOCK AND STUCCO DUMPSTER ENCLOSURE WITH CONC. PAD	1 EA.	GC	GC
TR-2	FROST PROOF WATER HOSE BIB AT DUMPSTER AREA	1 EA.	GC	GC
TR-3	8 YARD DUMPSTER	1 EA.	F	F
TR-4	WOVEN WIRE FABRIC REINFORCING AT SLAB IN FRONT OF DUMPSTER AND GREASE CENTER	L.S.	GC	GC
TR-5	GREASE CENTER	1 EA.	F	F
TR-6	PRE-FABRICATED 1 1/2"-22GA. CORRUGATED STEEL DECK DOOR 8'H. x 6'-3 1/2" W.	2 EA.	CM	GC
CT-1	ELECTRICAL CABINET	1 EA.	GC	GC
PK-2	TRAFFIC YELLOW CONCRETE STRIPPING	L.S.	GC	GC
PK-3	DIRECTIONAL ARROW	L.S.	GC	GC
PK-4	HANDICAP RAMP 1:12 SLOPE MAX W/ 5 FT. LEVEL LANDING	5 EA	GC	GC
PK-5	HANDICAP SIGN TYPICAL	1 EA.	GC	GC
PK-6	1' WIDE STOP BAR @ DRIVE-UP MENU	2 EA.	GC	GC
C-1	CONC. COLUMN CURB PAD	2 EA.	GC	GC
C-2	STAMPED CONCRETE 4" X 8" HERRINGBONE BRICK PATTERN	1518 S.F.	GC	GC
C-3	CONCRETE CURBING	862 L.F.	GC	GC
CS-1	CONCRETE PAVING	335 S.Y.	GC	GC
CS-2	"CLEAR SEAL" SOLVENT ACRYLIC RESIN APPLIED TO CONCRETE DRIVE THRU LANES	335 S.Y.	GC	GC
GT-1	1000 GAL. GREASE TRAP	1 E.A.	GC	GC
PK-7	BITUMINOUS PAVING	1586 S.Y.	GC	GC
SD-2	4" SANITARY SEWER	140 L.F.	GC	GC
W-1	¾" METER W/ ¾" SERVICE	1 E.A./120 L.F.	GC	GC
W-2	¾" WATER SERVICE	90 L.F.	GC	GC
CD-1	4" P.V.C. CONDUIT	150 L.F.	GC	GC

LEGEND:
GC - GENERAL CONTRACTOR
CM - CHAMPION MODULAR
CK - CHECKERS CORPORATE
F - FRANCHISEE
S - APPROVED SIGN VENDOR
P - APPROVED OUTDOOR PATIO PACKAGE VENDOR

Checkers
P.O. BOX 1079
CLEARWATER, FLORIDA 34617 (813)441-3500

STV Incorporated
engineers / architects / planners / scientists / construction managers
21 Governor's Court Baltimore, MD 21244-2722 (410) 944-9112

ENGINEERS CIRTIFICATE:

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

Signature — Date 3/5/97
Print name below signature

DEVELOPER'S CERTIFICATE:

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

Skip Lakinard — 3/5/97
Signature of Developer — Date
Print name below signature

Review for HOWARD SCD and meets Technical Requirements.

USDA-Natural Resources Conservation Service — 3/11/97 Date

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Howard SCD — 3/11/97 Date

APPROVED: DEPT. OF PLANNING AND ZONING

Chief, Development Engineering Division — 3/12/97 Date
Chief, Division of Land Development — 3/12/97 Date
Director — 3/12/97 Date

Rev./ Date	Description

Approved : Howard County Health Department for Public Water and Sewerage Systems.
Health Officer — 3-14-97 Date

Address Chart				
Lot/Parcel		Street Address		
Parcel 79		9441 Baltimore National Pike		
Subdivision Name		Section/Area		Parcel 79
Plat No.	Block No.	Zone	Tax/Zone	Elec. Dist.	Census Tract
—	4	B-2	Map 24	2nd	6023.01
Water Code 506		Sewer Code 5753700			

OWNER: PETROS KARRAS & ELIAS KARRAS
12930 FOLEY QUARTER ROAD
ELLICOTT CITY, MD. 21042
DEVELOPER: MAR-CHECK INC.
1410 N. CRAIN HIGHWAY SUITE 9-A
GLEN BURNIE MD. 21061

CHECKERS RESTAURANT
9441 BALTIMORE NATIONAL PIKE ELLICOTT CITY , MD.

SITE DEVELOPMENT PLAN

SHEET NO. 1 OF 5 — DATE: 4 MARCH 1997
SCALE: 1" - 20' — 2nd ELECTION DISTRICT
JOB NO. 61-1289

SDP-97-64

HOWARD COUNTY CONSERVATION DISTRICT

STANDARD SEDIMENT CONTROL NOTES

1. A minimum of 48 hours notice must be given to the Howard County Department of Inspections, Licenses and Permits, Sediment Control Division prior to the start of any construction (313-1855).

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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.

3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within: (a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes steeper 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 posted around their perimeter in accordance with Vol. 1, Chapter 7 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 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding, sod, temporary seeding, and mulching (Sec. G). Temporary stabilization with mulch along shall 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:

Total Area of Site	= 1.33 Acres
Area Disturbed	= 0.80 Acres
Area to be roofed or paved	= 0.49 Acres
Area to be vegetatively stabilized	= 0.31 Acres
Total Cut	= 990 Cu.Yds.
Total Fill	= 0 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 control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.

10. On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.

11. Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized within one working day, whichever is shorter.

Rev. 8/94

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, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

1. Preferred -- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq.ft.) and 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq.ft.) before seeding. Harrow or disk into upper three inches of soil. At time of seeding, apply 400 lbs/acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq.ft.).

2. Acceptable -- Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq.ft.) and 1000 lbs/acre 10-10-10 fertilizer (23 lbs/1000 sq.ft.) before seeding. Harrow or disk into upper three inches of soil.

Seeding: For the periods March 1 - April 30 and from August 1 - October 15, seed with 60 lbs/acre (1.4 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue. Fore the period May 1 - July 31, seed with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs/acre (.05 lbs/1000 sq.ft.) of Weeping Lovegrass. During the period of October 16 - February 28, protect site by: Option 1 -- Two 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 slope 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq.ft.) for anchoring.

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

TEMPORARY SEEDING NOTES

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

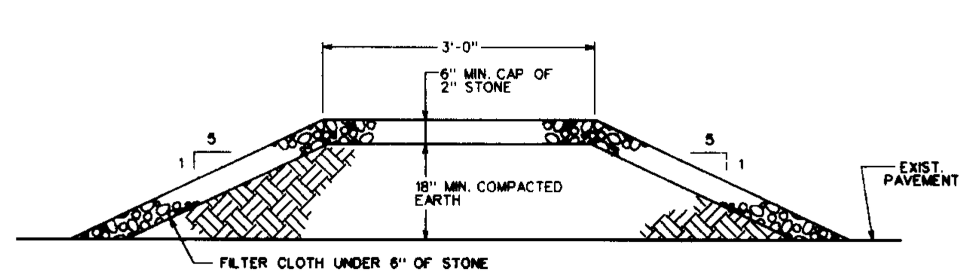
Seedbed preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

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

Seeding: For periods March 1 - April 30 and from August 15 - October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq.ft.). For the period May 1 - August 14, seed with 3 lbs/acre of Weeping Lovegrass (.07 lbs/1000 sq.ft.). For the period November 16 - February 28, protect site by applying 2 tons/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/acre (70 to 90 lbs/1000 sq.ft.) of unrotted weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal. per acre (5 gal/1000 sq.ft.) of emulsified asphalt on flat areas. On slope 8 feet or higher, use 348 gal. per acre (8 gal/1000 sq.ft.) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.



PROFILE
MOUNTABLE BERM REQUIRED FOR STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

EROSION AND SEDIMENT CONTROL SECTION NOTES

1. THE CONTRACTOR WILL COMPLY WITH ALL REQUIREMENTS OF SEDIMENT AND EROSION CONTROL AS SET FORTH IN THE BALTIMORE CITY SEDIMENT AND CONTROL MANUAL.

2. CONTRACTOR MUST SUBMIT WRITTEN NOTIFICATION 72 HOURS PRIOR TO ANY CONSTRUCTION ACTIVITY TO THE BALTIMORE CITY SEDIMENT CONTROL SECTION STATING:
   A. WHEN CONTRACTOR INTENDS TO BEGIN WORK;
   B. SOURCE OF BORROW MATERIAL;
   C. DISPOSAL SITE FOR EXCESS MATERIAL; AND
   D. STAGING AND/OR STOCKPILE LOCATION.

3. INITIAL DISTURBANCE WILL BE LIMITED TO THAT NECESSARY TO GAIN ENTRANCE TO THE SITE AND INSTALL NECESSARY SEDIMENT CONTROLS IN ACCORDANCE WITH THE APPROVED PLAN.

4. ALL SEDIMENT CONTROLS AND CRITICAL SLOPES MUST BE STABILIZED WITHIN SEVEN CALENDAR DAYS. ALL OTHER DISTURBED AREAS ON THE PROJECT SITE MUST BE STABILIZED WITHIN FOURTEEN DAYS.

5. ALL EXCAVATED MATERIAL SHALL BE PLACED ON THE HIGH SIDE WHENEVER POSSIBLE AND CONFINED TO AN AREA WHERE IT WILL NOT OBSTRUCT THE NORMAL FLOW OF DRAINAGE COURSES.

6. PUMPING OF SEDIMENT LADEN WATER WILL NOT BE ALLOWED UNLESS IT IS FILTERED BY WAY OF AN APPROVED SEDIMENT TRAPPING DEVICE.

7. CONTINUOUS INSPECTION AND MAINTENANCE OF ALL SEDIMENT CONTROL DEVICES WILL BE REQUIRED.

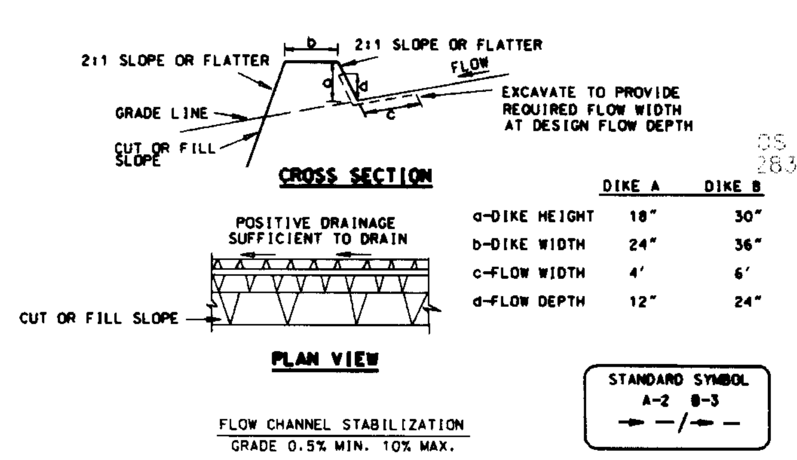
8. ANY SEDIMENT CONTROL DEVICES DISTURBED DURING UTILITY CONSTRUCTION MUST BE RESTORED BY THE END OF THE DAY.

9. ALL POINTS OF INGRESS AND EGRESS SHALL BE PROTECTED TO MINIMIZE TRACKING OF MUD ONTO PUBLIC WAYS.

10. ANY EARTH, GRAVEL OR OTHER MATERIAL TRACKED, SPILLED OR WASHED ON ADJACENT ROADS MUST BE IMMEDIATELY REMOVED AND DISPOSED OF PROPERLY. FLUSHING WILL NOT BE ALLOWED UNTIL ALL POSSIBLE MATERIAL HAS BEEN REMOVED BY SHOVELING AND SWEEPING.

11. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 5000 SQ. FT., THE PERMITTEE SHALL REQUEST THAT A BALTIMORE CITY EROSION AND SEDIMENT CONTROL INSPECTOR INSPECT AND APPROVE THE WORK, COMPLETED AT THE STAGES OF CONSTRUCTION SPECIFIED BELOW, TO ENSURE COMPLIANCE WITH THE APPROVED EROSION AND SEDIMENT CONTROL PLAN, THE GRADING OR BUILDING PERMIT, AND THIS MANUAL:
   A. UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, PRIOR TO PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE; AND
   B. UPON FINAL STABILIZATION BEFORE REMOVAL OF SEDIMENT CONTROLS.

12. THE OWNER/CONTRACTOR SHALL NOT DEVIATE FROM THE APPROVED EROSION AND SEDIMENT CONTROL PLANS WITHOUT PRIOR APPROVAL OF THE BALTIMORE CITY SEDIMENT CONTROL REPRESENTATIVE. VARIATIONS TO THE PLAN MUST BE SUBMITTED IN WRITING, ACCOMPANIED BY A COPY OF THE ORIGINALLY APPROVED PLAN MODIFIED TO SHOW THE REQUESTED CHANGES. SUBSTANTIAL CHANGES WILL NECESSITATE AMENDING THE BUILDING AND/OR GRADING PERMIT IF APPLICABLE.



	DIKE A	DIKE B
a-DIKE HEIGHT	18"	30"
b-DIKE WIDTH	24"	36"
c-FLOW WIDTH	4'	6'
d-FLOW DEPTH	12"	24"

STANDARD SYMBOL
A-2 B-3
→ —/→ —

FLOW CHANNEL STABILIZATION
GRADE 0.5% MIN. 10% MAX.

1. Seed and cover with straw mulch.
2. Seed and cover with Erosion Control Matting or line with sod.
3. 4" - 7" stone or recycled concrete equivalent pressed into the soil 7" minimum

Construction Specifications

1. All temporary earth dikes shall have uninterrupted positive grade to an outlet. Spot elevations may be necessary for grades less than 1%.

2. Runoff diverted from a disturbed area shall be conveyed to a sediment trapping device.

3. Runoff diverted from an undisturbed area shall outlet directly into an undisturbed, stabilized area at a non-erosive velocity.

4. All trees, brush, stumps, obstructions, and other objectional material shall be removed and disposed of so as not to interfere with the proper functioning of the dike.

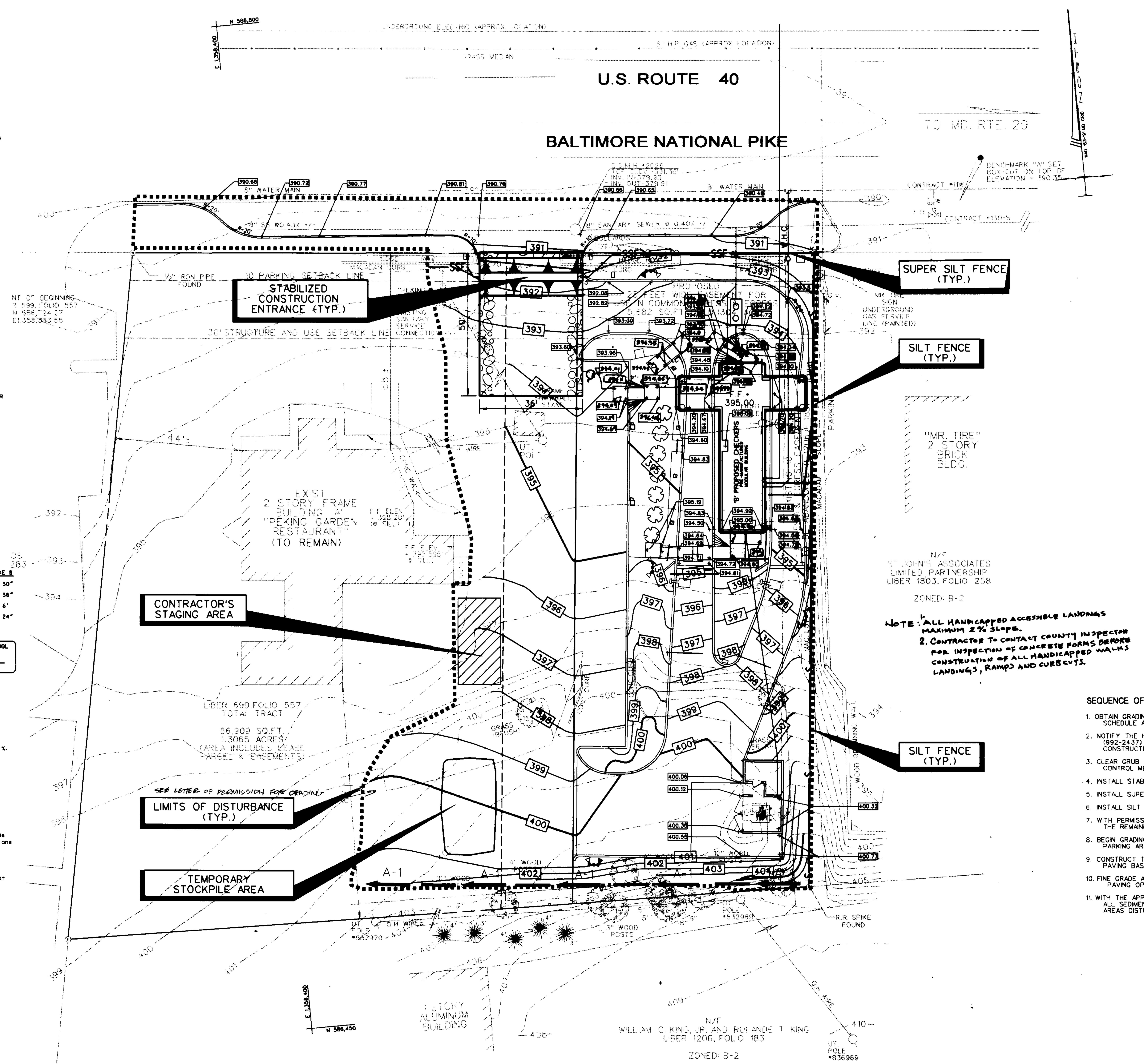
5. The dike shall be excavated or shaped to line, grade and cross section as required to meet the criteria specified herein and be free of bank projections or other irregularities which will impede normal flow.

6. Fill shall be compacted by earth moving equipment.

7. All earth removed and not needed for construction shall be placed so that it will not interfere with the functioning of the dike.

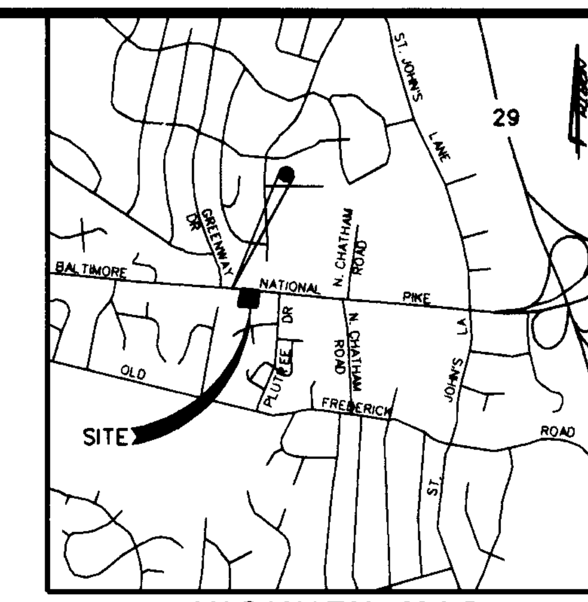
8. Inspection and maintenance must be provided periodically and after each rain event.

EARTH DIKE DETAIL
N.T.S.



NOTE: 1. ALL HANDICAPPED ACCESSIBLE LANDINGS MAXIMUM 2% SLOPE.
2. CONTRACTOR TO CONTACT COUNTY INSPECTOR FOR INSPECTION OF CONCRETE FORMS BEFORE CONSTRUCTION OF ALL HANDICAPPED WALKS LANDINGS, RAMPS AND CURBCUTS.

DISTURBED AREA=34,848 SQ.FT. OR 0.80 AC. ±



VICINITY MAP
SCALE : 1" = 2,000'

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- EXISTING WATER
- PROPOSED WATER
- EXISTING SEWER
- PROPOSED SEWER
- EXISTING STORM DRAIN
- PROPOSED STORM DRAIN
- NUMBER OF PARKING SPACES
- EXISTING SPOT ELEVATION
- 42.20 PROPOSED SPOT ELEVATION
- 420 PROPOSED INDEX CONTOUR
- 42.20 + SPOT ELEVATION AT BOTTOM OF CURB (TYP.)
- SUMP PIT
- INLET TO BE BLOCKED
- STAB. CONST. ENTRANCE
- —S—S— SILT FENCE
- —DE— EXISTING DRAINAGE BOUNDARY
- —DP— PROPOSED DRAINAGE BOUNDARY
- BLOCK INLET/TRENCH DRAIN
- LIMITS OF DISTURBANCE
- TEMPORARY STOCKPILE AREA
- PORTABLE SEDIMENT TANK
- —SSF— SUPER SILT FENCE
- — — — TREE PROTECTION FENCE
- CONTRACTOR'S STAGING AREA

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT AND OTHER REQUIRED PERMITS AND SCHEDULE A PRE-CONSTRUCTION MEETING.
2. NOTIFY THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS (992-2437) A MINIMUM OF 24 HOURS PRIOR TO THE START OF ANY CONSTRUCTION.
3. CLEAR GRUB OR REMOVE PAVING FOR SEDIMENT AND EROSION CONTROL MEASURES OR DEVICES ONLY.
4. INSTALL STABILIZED CONSTRUCTION ENTRANCE.
5. INSTALL SUPER SILT FENCE.
6. INSTALL SILT FENCE.
7. WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, CLEAR THE REMAINDER OF THE SITE WITHIN THE LIMITS OF DISTURBANCE.
8. BEGIN GRADING THE SITE FOR THE BUILDING, DRIVEWAYS AND PARKING AREA.
9. CONSTRUCT THE BUILDING, CURBS, PATIO, SIDEWALKS AND INSTALL PAVING BASE.
10. FINE GRADE AND STABILIZE ALL DISTURBED AREAS AND COMPLETE PAVING OPERATIONS.
11. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR REMOVE ALL SEDIMENT CONTROL MEASURES AND FINE GRADE STABILIZE ANY AREAS DISTURBED BY THE REMOVAL.

Checkers
P.O. BOX 1079
CLEARWATER, FLORIDA 34617 (813)441-3500

STV Incorporated
engineers / architects / planners / scientists / construction managers
21 Governor's Court Baltimore, MD 21244-2722 (410) 944-9112

ENGINEERS CIRTIFICATE:

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

Signature of Engineer / Print name below signature — Date 3/5/97

DEVELOPER'S CERTIFICATE:

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

SKIP LARIMORE — Signature of Developer / Print name below signature — Date 3-5-97

Review for HOWARD SCD and meets Technical Requirements.
USDA-Natural Resources Conservation Service — Date 3/11/97

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
Howard SCD — Date 3/11/97

APPROVED: DEPT. OF PLANNING AND ZONING
Chief, Development Engineering Division — Date 3/12/97
Chief, Division of Land Development — Date 3/17/97
Director — Date 3/17/97

Rev./ Date	Descrition

Approved : Howard County Health Department for Public Water and Sewerage Systemes.
Health Officer — Date 3-14-97

Address Chart					
Lot/Parcel			Street Address		
Parcel 79			9441 Baltimore National Pike		
Subdivision Name —			Section/Area —		Parcel 79
Plat No. —	Block No. 4	Zone B-2	Tax/Zone Map 24	Elec. Dist. 2nd	Census Track 6023.01
Water Code 506			Sewer Code 5753700		

OWNER: PETROS KARRAS & ELIAS KARRAS
12930 FOLEY QUARTER ROAD
ELLICOTT CITY, MD. 21042
DEVELOPER: MAR-CHECK INC.
1410 N. CRAIN HIGHWAY SUITE 9-A
GLEN BURNIE MD. 21061

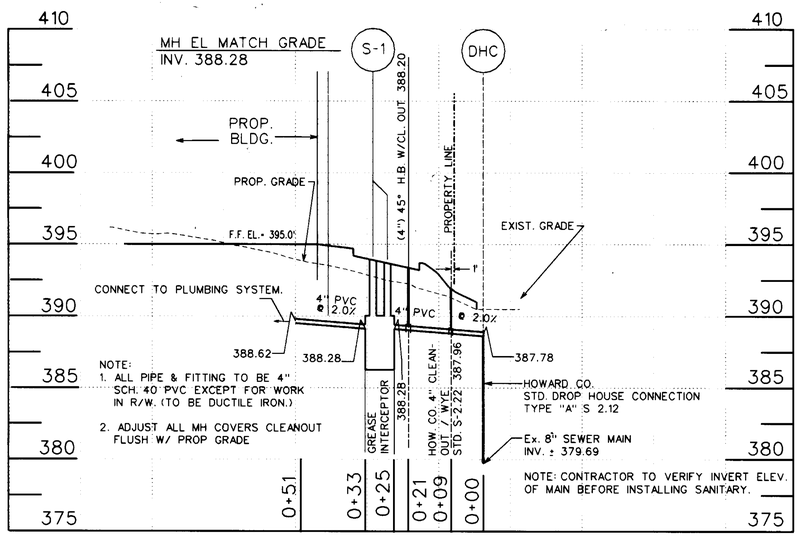
CHECKERS RESTAURANT
9441 BALTIMORE NATIONAL PIKE ELLICOTT CITY , MD.

S & E CONTROL PLAN & DETAILS

SHEET NO. 2 OF 5 — DATE: 4 MARCH 1997
SCALE: 1" = 20' — 2nd ELECTION DISTRICT
JOB NO. 61-1289

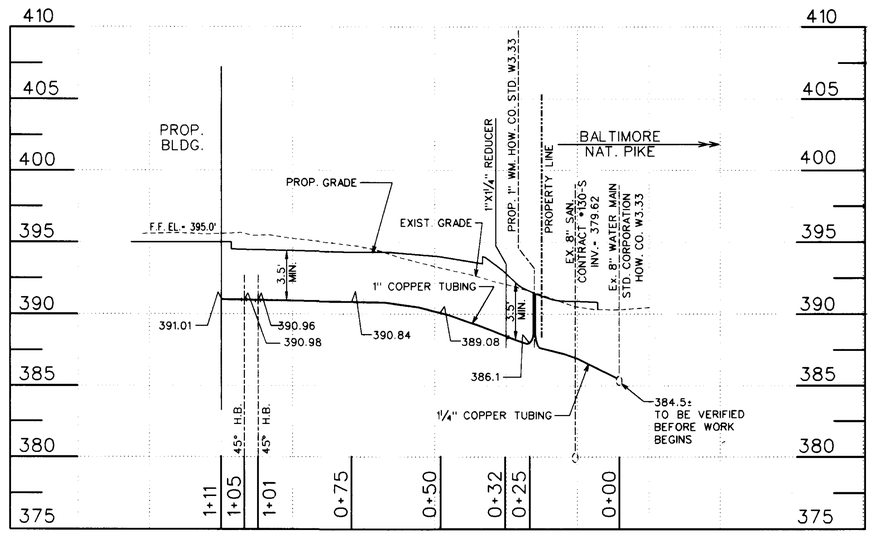
SDP-97-64

FILE: h:\projects\j1289\esc.nck.dgn DATE: 3-Mar-97 11:02



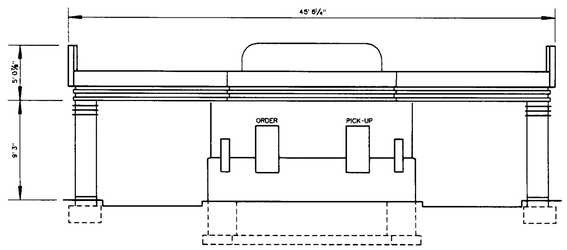
PROFILE - GREASE INTERCEPTOR

SCALE: HOR. 1"=20'
VER. 1"= 5'

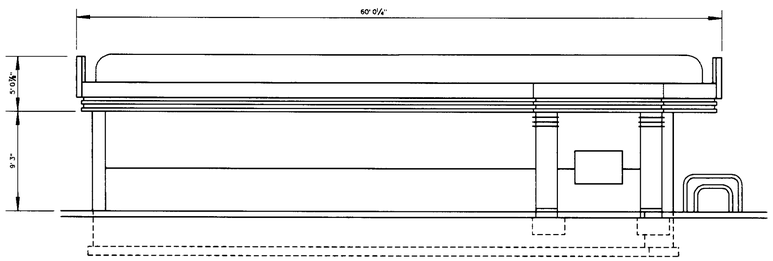


PROFILE - WATER SERVICE

SCALE: HOR. 1"=20'
VER. 1"= 5'



FRONT ELEVATION
NOT TO SCALE

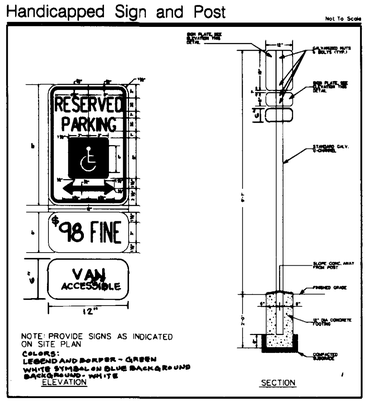


LEFT SIDE ELEVATION
NOT TO SCALE

BUILDING ELEVATIONS
NOT TO SCALE

Handicapped Sign and Post

Not To Scale



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ENGINEERS CIRTIFICATE:

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

STATE OF MARYLAND — ROBERT C. MCMINIMY — No. 17824 — PROFESSIONAL ENGINEER

Signature of Engineer
Print name below signature

3/5/97
Date

DEVELOPER'S CERTIFICATE:

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

Signature of Developer
Print name below signature

3-5-97
Date

Review for HOWARD SCD and meets Technical Requirements.

USDA-Natural Resources Conservation Service — 3/11/97 Date

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Howard SCD — 3/11/97 Date

APPROVED: DEPT. OF PLANNING AND ZONING

Chief, Development Engineering Division — 3/12/97 Date
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Director — 3/12/97 Date

Rev./ Date	Description

Approved : Howard County Health Department for Public Water and Sewerage Systems.

Health Officer — 3-14-97 Date

Address Chart					
Lot/Parcel		Street Address			
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Subdivision Name		Section/Area			Parcel 79
Plat No.	Block No.	Zone	Tax/Zone Map	Elec. Dist.	Census Track
—	4	B-2	24	2nd	6023.01
Water Code 506			Sewer Code 5753700		

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GLEN BURNIE MD. 21061

CHECKERS RESTAURANT

9441 BALTIMORE NATIONAL PIKE ELLICOTT CITY , MD.

UTILITY PROFILE & DETAILS

SHEET NO. 4 OF 5
SCALE: AS SHOWN
JOB NO. 61-1289

DATE: 4 MARCH 1997
2nd ELECTION DISTRICT

F:\E:\Projects\12890\ct06chck.dgn
DATE: 23-Jan-97 (08:37)

SDP-97-64

20.0 STANDARD AND SPECIFICATIONS

FOR

VEGETATIVE STABILIZATION

SECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS

A. Site Preparation

i. Install erosion and sediment control structures (either temporary or permanent) such as diversions, grade stabilization structures, berms, waterways, or sediment control basins.

ii. Perform all grading operations at right angles to the slope. Final grading and shaping is not usually necessary for temporary seeding.

iii. Schedule required soil tests to determine soil amendment composition and application rates for sites having disturbed area over 5 acres.

B. Soil Amendments (Fertilizer and Lime Specifications)

i. Soil tests must be performed to determine the exact ratios and application rates for both lime and fertilizer on sites having disturbed areas over 5 acres. Soil analysis may be performed by the University of Maryland or a recognized commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses.

ii. Fertilizers shall be uniform in composition, free flowing and suitable for accurate application by approved equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers shall be delivered to the site fully labeled according to the applicable State fertilizer laws and shall bear the name, trade name or trademark and warrantee of the producer.

iii. Lime materials shall be ground limestone (hydrated or burnt lime may be substituted) which contains at least 50% total oxides (calcium oxide plus magnesium oxide). Limestone shall be ground to such fineness that at least 50% will pass through a #100 mesh sieve and 98-100% will pass through a #20 mesh sieve.

iv. Incorporate lime and fertilizer into the top 3 - 5" of soil by disking or other suitable means.

C. Seedbed Preparation

i. Temporary Seeding

a. Seedbed preparation shall consist of loosening soil to a depth of 3" to 5" by means of suitable agricultural or construction equipment such as disk harrows or chisel plows or rippers mounted on construction equipment. After the soil is loosened, it should not be rolled or dragged smooth but left in the roughened condition. Sloped areas (greater than 3:1) should be tracked leaving the surface in an irregular condition with ridges running parallel to the contour of the slope.

b. Apply fertilizer and lime as prescribed on the plans.

c. Incorporate lime and fertilizer into the top 3 - 5" of soil by disking or other suitable means.

ii. Permanent Seeding

a. Minimum soil conditions required for permanent vegetative establishment:

1. Soil pH shall be between 6.0 and 7.0.
2. Soluble salts shall be less than 500 parts per million (ppm).
3. The soil shall contain less than 40% clay but enough fine grained material (>30% silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception is if lovegrass or sericea lespedeza is to be planted, then a sandy soil (<30% silt plus clay) would be acceptable.
4. Soil shall contain 1.5% minimum organic matter by weight.
5. Soil must contain sufficient pore space to permit adequate root penetration.
6. If these conditions cannot be met by soils on site, adding topsoil is required in accordance with Section 21 Standard and Specification for Topsoil

b. Areas previously graded in conformance with the drawings shall be maintained in a true and even grade, then scarified or otherwise loosened to a depth of 3" - 5" to permit bonding of the topsoil to the surface area and to create horizontal erosion check slots to prevent topsoil from sliding down a slope.

c. Apply soil amendments as per soil test or as included on the plans.

d. Mix soil amendments into the top 3 - 5" of topsoil by disking or other suitable means. Lawn areas should be raked to smooth the surface, remove large objects like stones and branches, and ready the area for seed application. Where site conditions will not permit normal seedbed preparation, loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface. Steep slopes (steeper than 3:1) should be tracked by a dozer leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. The top 1 - 3" of soil should be loose and friable. Seedbed loosening may not be necessary on newly disturbed areas.

D. Seed Specifications

i. All seed must meet the requirements of the Maryland State Seed Law. All seed shall be subject to re-testing by a recognized seed laboratory. All seed used shall have been tested within the 6 months immediately preceding the date of sowing such material on this job.

Note: Seed tags shall be made available to the inspector to verify type and rate of seed used.

ii. Inoculant - The inoculant for treating legume seed in the seed mixtures shall be a pure culture of nitrogen-fixing bacteria prepared specifically for the species. Inoculants shall not be used after than the date indicated on the container. Add fresh inoculant as directed on package. Use four times the recommended rate when hydroseeding. Note: It is very important to keep inoculant as cool as possible until used. Temperatures above 75-80°F can weaken bacteria and make the inoculant less effective.

E. Methods of Seeding

i. Hydroseeding: Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer). broadcast or drop seeder, or a cultipacker seeder.

a. If fertilizer is being applied at the time of seeding, the application rate amounts will not exceed the following: nitrogen maximum of 100 lbs per acre; total of soluble nitrogen-P205 (phosphorous): 200 lbs/ac.; K20 (potassium): 200 lbs/ac.

b. Lime - Use only ground agricultural limestone (up to 3 tons per acre may be applied by hydroseeding). Normally, not more than 2 tons are applied by hydroseeding at any one time. Do not use burnt or hydrated lime when hydroseeding.

c. Seed and fertilizer shall be mixed on site and seeding shall be done immediately and without interruption.

ii. Dry Seeding: This includes use of conventional drop or broadcast spreaders.

a. Seed (and fertilizer) shall be incorporated into the subsoil at the rates prescribed on the Temporary or Permanent Seeding Summaries or Tables 25 or 26. The seeded area shall then be rolled with a weighted roller to provide good seed to soil contact.

b. Where practical, seed should be applied in two directions perpendicular to each other. Apply half the seeding rate in each direction.

iii. Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil.

a. Cultipacking seeders are required to bury the seed in such a fashion as to provide at least 1/4 inch of soil covering. Seedbed must be firm after planting.

b. Where practical, seed should be applied in two directions perpendicular to each other. Apply half the seeding rate in each direction.

F. Mulch Specifications (in order of preference)

i. Straw shall consist of thoroughly threshed wheat, rye or oat straw, reasonably bright in color, and shall not be musty, moldy, caked, decayed, or excessively dusty and shall be free of noxious weed seeds as specified in the Maryland Seed Law.

ii. Wood Cellulose Fiber Mulch (WCFM)

a. WCFM shall consist of specially prepared wood cellulose processed into a uniform fibrous physical state.

b. WCFM shall be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate visual inspection of the uniformly spread slurry.

c. WCFM, including dye, shall contain no germination or growth inhibiting factors.

d. WCFM materials shall be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension in water under agitation and will blend with seed, fertilizer and other additives to form a homogeneous slurry. The mulch material shall form a blotter-like ground cover, on application, having moisture absorption and percolation properties and shall cover and hold grass seed in contact with the soil without inhibiting the growth of the grass seedings.

e. WCFM material shall contain no elements or compounds at concentration levels that will be phyto-toxic.

f. WCFM must conform to the following physical requirements: fiber length to approximately 10 mm., diameter approximately 1 mm., pH range of 4.0 to 8.5, ash content of 1.8% maximum and water holding capacity of 90% minimum.

Note: Only sterile straw mulch should be used in areas where one species of grass is desired.

G. Mulching Seeded Areas - Mulch shall be applied to all seeded areas immediately after seeding.

i. If grading is completed outside for the seeding season, mulch along should be applied as prescribed in this section and maintained until the seeding season returns and seeding can be performed in accordance with these specifications.

ii. When straw mulch is used, it shall be spread over all seeded areas at the rate of 2 tons/acre. Mulch shall be applied to a uniform loose depth of between 1" and 2". Mulch applied shall achieve a uniform distribution and depth so that the soil surface is not exposed. If a mulch anchoring tool is to be used, the rate should be increased to 2.5 tons/acre.

iii. Wood cellulose fiber used as a mulch shall be applied at a net dry weight of 1,500 lbs. per acre. The wood cellulose fiber shall be mixed with water, and the mixture shall contain a minimum of 50 lbs. of wood cellulose fiber per 100 gallons of water.

H. Securing Straw Mulch (Mulch Anchoring): Mulch anchoring shall be performed immediately following mulch application to minimize loss by wind or water. This may be done by one of the following methods listed by preference, depending upon size of area and erosion hazard:

i. A mulch anchoring tools is a tractor drawn implement designed to punch and anchor mulch into the soil surface a minimum of two (2) inches. This practice is most effective on large areas, but is limited to flatter slopes where equipment can operate safely. If used on sloping land, this practice should be used on the contour if possible.

ii. Wood cellulose fiber may be used for anchoring straw. The fiber binder shall be applied at a net dry weight of 750 pounds/acre. The wood cellulose fiber shall be mixed with water, and the mixture shall contain a minimum of 50 pounds of wood cellulose fiber per 100 gallons of water.

iii. Application of liquid binders should be heavier at the edges where wind catches mulch, such as in valleys and on crests of banks. The remainder of area should appear uniform. After binder application, Synthetic binders-such as Acrylic DLR (Agro-Tack), DCA-70, Petroset, Terra Tack B, Terra Tack AR, or other approved equal may be used at rates recommended by the manufacturer to anchor mulch.

iv. Lightweight plastic netting may be stapled over the mulch according to manufacturer's recommendations. Netting is usually available in rolls 4' to 15' feet wide and 300' to 3,000 feet long.

SECTION IV - SOD

Sod - to provide quick cover on disturbed areas (2:1 grade or flatter)

A. General Specifications

i. Class of turfgrass sod shall be Maryland or Virginia State Certified or Approved. Sod labels shall be made available to the job foreman and inspector.

ii. Sod shall be machine cut at a uniform soil thickness of 3/4", plus or minus 1/4", at the time of cutting. Measurement for thickness shall exclude top growth and thatch. Individual pieces of sod shall be cut to the suppliers width and length. Maximum allowable deviation from standard dimensions is 5 percent. Broken pads and torn or uneven ends will not be acceptable.

iii. 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.

iv. Sod shall not be harvested or transplanted when moisture content (excessively dry or wet) may adversely affect it survival.

v. Sod shall be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period shall be approved by an agronomist or soil scientist prior to its installation.

B. Sod Installation

i. During periods of excessively high temperature or in areas having dry subsoil, the subsoil shall be lightly irrigated immediately prior to laying the sod.

ii. The first row of sod shall be laid in a straight line with subsequent rows placed parallel to and tightly wedged against each other. Lateral joints shall be staggered to promote more uniform growth and strength. Ensure that sod is not stretched or overlapped and that all joints are butted tight in order to prevent voids which would cause air drying of the roots.

iii. Wherever possible, sod shall be laid with the long edges parallel to the contour and with staggering joints. Sod shall be installed lengthwise on slopes or otherwise secured to prevent slippage on slopes and to ensure sold contact between sod roots and the underlying soil surface.

iv. Sod shall be watered immediately following the installation of the sod to insure that the sod pad and soil surface below the sod are thoroughly wet. The operations of laying, tamping and irrigating for any piece of sod shall be completed within eight hours.

C. Sod Maintenance

i. In the absence of adequate rainfall, watering shall be performed daily or as often as necessary during the first week and in sufficient quantities to maintain moist soil to a depth of 4". Watering should be done during the heat of the day to prevent wilting.

ii. After the first week, sod watering is required as necessary to maintain adequate moisture content.

iii. The first mowing of sod should not be attempted until the sod is firmly rooted. No more than 1/3 of the grass leaf shall be removed by the initial cutting or subsequent cuttings. Grass height shall be maintained between 2" and 3" unless otherwise specified.

21.0 STANDARD AND SPECIFICATIONS

FOR

TOPSOIL

Definition

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation.

Purpose

To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

I. This practice is limited to areas having 2:1 or flatter slopes where:

a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.

b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.

c. The original soil to be vegetated contains material toxic to plant growth.

d. The soils so acidic that treatment with limestone is not feasible.

II. For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications

I. Topsoil salvaged from the existing site may be provided that it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.

II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

a. Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1½" in diameter.

b. Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.

c. Where the subsoils either highly acidic or composed of heavy clays, ground limestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over the designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

d. Topsoil shall not be placed while the underlying subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading and seedbed preparation.

VI. Alternative for Permanent Seeding - Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified below:

i. Composted Sludge Material for use as a soil conditioner for sites having disturbed areas over 5 acres shall be tested to determine if it is acceptable for sites having disturbed area under 5 acres shall conform to the following requirements.

a. Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under COMAR 26.04.06.

b. Composted sludge shall contain at least 1 percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a PH of 7.0 to 8.0. If compost does not meet these requirements, the appropriate constituents must be added to meet the requirements prior to use.

c. Composted sludge shall be applied at a rate of 1 ton/1,000 square feet.

iv. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.

References: Guideline Specifications, Soil Preparation and Sodding, MD-VA, Pub. #1, Cooperative Extension Service, University of Maryland and Virginia Polytechnic Institutes. Revised 1973.

19.0 STANDARDS AND SPECIFICATIONS

LAND GRADING

Definition

Reshaping of the existing land surface in accordance with a plan as determined by engineering survey and layout.

Purpose

The purpose of a land grading specification is to provide for erosion control and vegetative establishment on those areas where the existing land surface is to be reshaped by grading according to plan.

Design Criteria

The grading plan should be based upon the incorporation of building designs and street layouts that fit and utilize existing topography and desirable natural surroundings to avoid extreme grade modifications. Information submitted must provide sufficient topographic surveys and soil investigations to determine limitations that must be imposed on the grading operation related to slope stability, effect on adjacent properties and drainage patterns, measures for drainage and water removal and vegetative treatment, etc.

Many counties have regulations and design procedures already established for land grading and cut and fill slopes. Where these requirements exist, they shall be followed. The plan must show existing and proposed contours of the area(s) to be graded. The plan shall also include practices for erosion control, slope stabilization, safe disposal of runoff water and drainage, such as waterways, lined ditches, reverse slope benches (include grade and cross section), grade stabilization structures, retaining walls, and surface and subsurface drains. The plan shall also include phasing of these practices. The following shall be incorporated into the plan:

1. Provisions shall be made to safely conduct surface runoff to storm drains, protected outlets or to stable water courses to insure that surface runoff will not damage slopes or other graded areas.

2. Cut and fill slopes that are to be stabilized with grasses shall not be steeper than 2:1. Where the slope is to be mowed the slope should be no steeper than 3:1; 4:1 is preferred because of safety factors related to mowing steep slopes. I Slopes exceeding 2:1 shall require special design and stabilization considerations that shall be adequately shown on the plans.

3. Reverse benches shall be provided whenever the vertical (height) of any 2:1 slope exceeds 20 feet; for 3:1 slopes it shall be increased to 30 feet and for 4:1 to 40 feet. Benches shall be located to divide the slope face as equally as possible and shall convey the water to a stable outlet. Soils, seeps, rock outcrops, etc., shall also be taken into consideration when designing benches.

a. Benches shall be a minimum of six feet wide to provide for ease of maintenance.

b. Benches shall be designed with a reverse slope of 6:1 or flatter to the toe of the upper slope and with a minimum of one foot in depth. Bench gradient to the outlet shall be between 2 percent and 5 percent, unless accompanies by appropriate design and computations.

c. The flow length within a bench shall not exceed 800' unless accompanied by appropriate design and computations. For flow channel stabilization see temporary swale.

4. Surface water shall be diverted from the face of all cut and/or fill slopes by the use of earth dikes, ditches and swales or conveyed downslope by the use of a designed structure, except where:

a. The face of the slope is or shall be stabilized, and the face of all graded slopes shall be protect from surface runoff until they are stabilized.

b. The face of the slope shall not be subject to any concentrated flows of surface water such as from natural drainageways, graded swales, downspouts, etc.

c. The face of the slope shall not be protected by special erosion control materials or techniques, to include, but limited to: approved vegetative stabilization practices (see Section G), rip-rap or other approved stabilization methods.

5. Cut slopes occurring in ripable rock shall be serrated as shown on the following diagram. These serrations shall be made with conventional equipment as the excavation is made. Each step or serration shall be constructed on the contour and will have steps out at nominal two-foot intervals with nominal three-foot horizontal shelves. These steps will vary depending on the slope ratio or the cut slope. The nominal slope line is 1:1. These steps will weather and act to hold moisture, lime, fertilizer and seed thus producing a much quicker and longer lived vegetative cover and better slope stabilization. Overland flow shall be diverted from the top of all serrated cut slopes and carried to a suitable outlet.

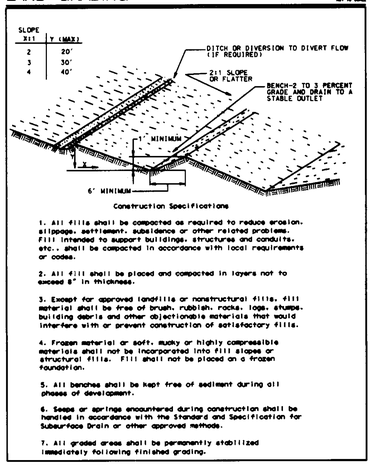
6. Subsurface drainage shall be provided where necessary to intercept seepage that would otherwise adversely affect slope stability or create necessarily wet site conditions.

7. Slopes shall not be created so close to property lines as to endanger adjoining properties without adequately protecting such properties against sedimentation, erosion, slippage, settlement, subsidence or other related damages.

8. Fill material shall be free of brush, rubbish, rocks, logs, stumps, building debris, and other objectionable material. It should be free of stones over two (2) inches in diameter where compacted by hand or mechanical tampers or over eight (8) inches in diameter where compacted by rollers or other equipment. Frozen material shall not be placed nor shall the fill material be placed on a frozen foundation.

9. Stockpiles, borrow areas, and spoil shall be shown on the plans and shall be subject to the provisions of this Standard and Specification.

10. All disturbed areas shall be stabilized structurally or vegetatively in conformance with 20.0 Standards and Specifications for Vegetative Stabilization.



Construction Specifications

1. All fills shall be compacted as required to reduce erosion, slippage, settlement, subsidence or other related problems. Fill intended to support buildings, structures and conduits, etc., shall be compacted in accordance with local requirements or codes.

2. All fill shall be placed and compacted in layers not to exceed 8" in thickness.

3. Except for approved landfills or nonstructural fills, fill material shall be free of brush, rubbish, rocks, logs, stumps, building debris and other objectionable materials that would interfere with or prevent construction of satisfactory fills.

4. Frozen material or soft, mucky or highly compressible materials shall not be incorporated into fill slopes or structural fills. Fill shall not be placed on a frozen foundation.

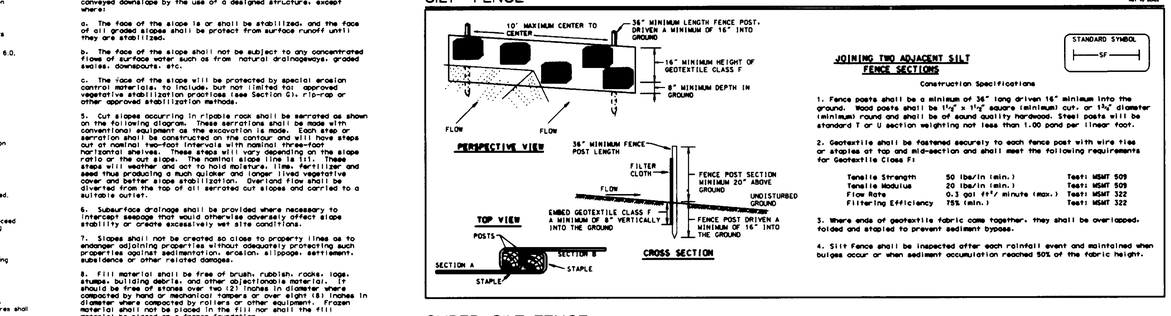
5. All benches shall be kept free of sediment during all phases of development.

6. Seeps or springs encountered during construction shall be handled in accordance with the Standard and Specification for Subsurface Drain or other approved methods.

7. All graded areas shall be permanently stabilized immediately following finished grading.

SILT FENCE

NOT TO SCALE



JOINING TWO ADJACENT SILT FENCE SECTIONS

Construction Specifications

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1½" x 1½" square (minimum) cut, or 1¼" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be a standard T or U section weighting not less than 1.00 pond per linear foot.

2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

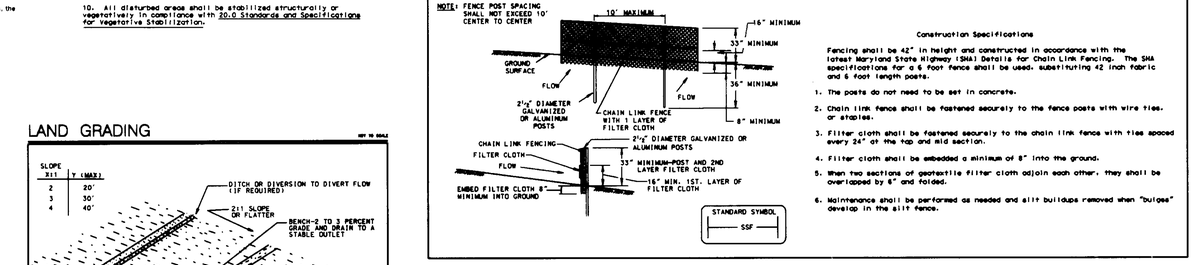
Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal ft²/ minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. Silt fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

SUPER SILT FENCE

NOT TO SCALE



Construction Specifications

Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway (SHA) Details for Chain Link Fencing. The SHA specifications for a 6 foot fence shall be used, substituting 42 inch fabric and 6 foot length posts.

1. The posts do not need to be set in concrete.

2. Chain link fence shall be fastened securely to the fence posts with wire ties or staples.

3. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.

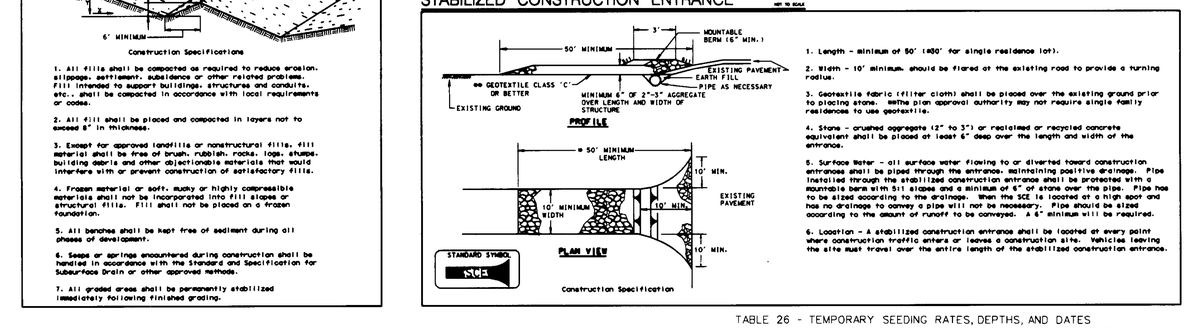
4. Filter cloth shall be embedded a minimum of 8" into the ground.

5. When two sections of geotextile filter cloth adjoin each other, they shall be overlapped by 8" and folded.

6. Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE



Construction Specification

1. Length - minimum of 50' (*30' for single residence lot).

2. Width - 10' minimum, should be flared at the existing road to provide a turning radius.

3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. Write plan approval authority may not require single family residences to use geotextile.

4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.

5. Surface Water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.

6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

Table 25 Permanent Seeding for Low Maintenance Areas

MIX	SEED MIX (USE CERTIFIED MATERIAL IF AVAILABLE)	PLANTING LBS/AC.	PLANTING LBS/1000 SQ.FT.	SITE CONDITIONS	USDA HARDINESS ZONES	PLANT HARDINESS ZONE 6a: RECOMMENDED PLANTING DATES 3/1 - 5/15	3/15 - 6/1	5/16 - 8/14	6/2 - 7/31	8/1 - 10/1	8/15 - 10/15	8/15 - 11/15	
1	TALL FESCUE (75%), CANADA BLUEGRASS (10%), KENTUCKY BLUEGRASS (10%), REDTOP (5%)	150	3.4	MOIST TO DRY	5b		X			X			A
					6a		X			X			
					6b	X					X		
					7a	X						X	
					7b	X						X	
2	KENTUCKY BLUEGRASS (50%), CREEPING RED FESCUE OR A HARD FESCUE (40%), REDTOP (10%)	150	3.4	MOIST TO MODERATELY DRY TO DRY	5b		X			X			B
					6a		X			X			
					6b	X					X		
3	TALL FESCUE (85%), PERENNIAL RYEGRASS (10%), KENTUCKY BLUEGRASS (5%)	125 15 10	2.9 .34 .23	MOIST TO DRY	5b		X			X			C
					6a		X			X			
					6b	X					X		
					7a	X						X	
					7b	X						X	
4	RED FESCUE OR CHEWINGS FESCUE (80%) PERENNIAL RYEGRASS (20%)	60 60 15	.92 .92 .34	MOIST TO DRY	5b		X			X			D
					6a		X			X			
					6b	X					X		
5	TALL FESCUE (85%) OR PERENNIAL RYEGRASS (50%) PLUS CROWNVETCH OR FLATPEA	110 20 20 20	2.5 .46 .46 .46	MOIST TO DRY	5b		X			X			E
					6a		X			X			
					6b	X					X		
					7a	X						X	
					7b	X						X	
6	WEEPING LOVEGRASS (17%) SERICIA LESPEDEZA (83%)	4 20	.09 .46	DRY TO VERY DRY	6a	X		X					F
					7a	X		X					
					7b	X							
7	TALL FESCUE (83%) OR WEEPING LOVEGRASS (2%) PLUS SERICIA LESPEDEZA (15%)	110 3 20	2.5 .07 .46	DRY TO VERY DRY	5b		X		X	X			G
					6a		X		X	X			
					6b	X					X		
					7a	X		X				X	
					7b	X			X			X	
8	REED CANARYGRASS (75%) TALL FESCUE (10%) BIRDSFOOT TREEFOIL (15%)	40 3 10	.92 .07 .23	WET TO MODERATELY DRY	5b		X			X			H
					6a		X			X			
					6b	X					X		
					7a	X						X	
					7b	X						X	
9	TALL FESCUE (85%) OR POA TRIVIALIS (7%) BIRDSFOOT TREEFOIL (7%)	125 10 10	2.9 .23 .23	WET TO MODERATELY DRY	5b		X			X			I
					6a		X			X			
					6b	X					X		
10	TALL FESCUE (80%) HARD FESCUE (20%)	120 30	3.4 .69	WET TO DRY	5b		X			X			J
					6a		X			X			
					6b	X					X		
					7a	X						X	
					7b	X						X	
11	HARD FESCUE (100%)	.75	1.7	WET TO DRY	5b		X			X			K
					6a		X			X			
					6b	X					X		
					7a	X						X	

A - USED BY SHA ON SLOPED AREAS. ADD A LEGUME FOR SLOPES > 3:1.
B - USED IN MEDIAN AREAS BY SHA. SHADE TOLERANT.
C - POPULAR MIX - PRODUC"S PERMANENT GROUNDCOVER QUICKLY. BLUEGRASS THICKENS STAND.
D - BEST USE ON SHADY 1 SPES NOT ON POORLY DRAINED CLAYS.
E - USE ON LOW MAINTENAN"E STEEP SLOPES. USE TALL FESCUE IN DRAUGHTY COND. CROWN VETCH BEST FOR 5b, 6a, 6b.
F - SUITABLE FOR SEEDING IN MID-SUMMER.
G - WEEPING LOVEGRASS MAY BE SEEDED WITH TALL FESCUE IN MID-SUMMER. SERECIA LESPEDEZA IS BEST SUITED FOR ZONES 7a AND 7b.
H - USE ON POORLY DRAINED SOILS, DITCHES OR WATERWAYS. BIRDSFOOT TREEFOILS BEST FOR ZONES 5b, 6a ABOVE 2,000 FT.
I - USE IN AREAS OF MO"I SHADE. POA TRIVIALIS THRIVES IN WET SHADY AREAS.
J - TALL FESCUE 1 A" BE SEEDED ALONE. THE HARD FESCUE PROVIDES BETTER SHADE TOLERANCE AND PROVIDES A BETTER STAND.
K - LOW FERTILITY ASS REQUIRES INFREQUENT MOWING. GOOD COMPANION FOR WILD FLOWERS.

FERTILIZER RATE: (10-20-20)
N 2LBS./1000 S.F., 90 LBS./AC.
P205 4LBS./1000 S.F., 175 LBS./AC.
K20 4LBS./1000 S.F., 175 LBS./AC.
LIME RATE 100LBS./1000 S.F., 2 TONS/ACRE

Table 26 - TEMPORARY SEEDING RATES, DEPTHS, AND DATES

SPECIES	MINIMUM SEEDING RATES[36] PER ACRE	LBS/1000 SQ.FT.	PLANTING DEPTH INCHES	HARDINESS ZONES[37] AND SEEDING DATES[38] 7a and 7b: 3/1-4/30	5/1-8/14	8/15-11/30	6b and 6a: 3/1-4/30	5/1-8/14	8/15-11/15	3/15-5/31	8/1-7/31	8/1-10/31
CHOOSE ONE:												
BARLEY	2.5 BU.(122lbs)	2.80	1-2	X	-	BY 10/15	X	-	BY 10/15	X	-	BY 10/1
OATS	3 BU.(96 lbs)	2.21	1-2	X	-	X	X	-	X	X	-	X
RYE[39]	2.5 BU. (140lbs)	3.22	1-2	X	-	X	X	-	X	X	-	X
BARLEY OR RYE PLUS FOXTAIL MILLET[40]	150 lbs	3.45	1	X X	X	10/15 X	X X	X	10/15 X	X X	X	10/1 X
WEEPING LOVEGRASS[41]	4 lbs	.09	1/4-1/2	-	X	-	-	X	-	-	X	-
ANNUAL RYEGRASS	50 lbs	1.15	1/4-1/2	X	-	11/1	X	-	11/1	X	-	8/15
MILLET[42]	50 lbs	1.15	1/2	-	X	-	-	X	-	-	X	-

36 APPLICABLE ON SLOPES OF 3:1 OR FLATTER
37 REFER TO FIGURE A - ADOPTED FROM USDA, ARS MISCELLANEOUS PUBLICATION #1475, JANUARY 1990
38 BETWEEN FALL AND SPRING SEEDING DATES, USE MULCH ONLY IF GROUND IS FROZED AND RESEED WHEN THAWED
39 MAY BE USED AS A NURSE CROP FOR LATE FALL / EARLY WINTER PERMANENT SEEDINGS. ADD 56 LBS./AC. TO THE PERMANENT SEEDING MIXTURE.
40 MARYLAND STATE HIGHWAY ADMINISTRATION TEMPORARY SEED MIX
41 MAY BE USED AS A NURSE CROP FOR MID-SUMMER PERMANENT SEEDINGS. ADD 2 LBS./AC. TO PERMANENT SEED MIX
42 MAY BE USED AS A NURSE CROP FOR MID-SUMMER PERMANENT SEEDINGS. ADD 10 LBS./AC. TO THE PERMANENT SEEDING MIX.

FERTILIZER RATE (10-10-10)
15 LBS./1000 S.F., 600LBS./ACRE
LIME RATE 100LBS./1000 S.F., 2 TONS/ACRE

Checkers
P.O. BOX 1079
CLEARWATER, FLORIDA 34617 (813)441-3500

STV Incorporated
engineers / architects / planners / scientists / construction managers
21 Governor's Court Baltimore, MD 21244-2722 (410) 944-9112

FILE: h:\grdjob\s\17089\es02chck.dgn
DATE: 2/21/2013 11:02

ENGINEERS CIRTIFICATE:

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

Signature
Print name
STATE OF MARYLAND REGISTERED PROFESSIONAL ENGINEER
3/5/97
Date

DEVELOPER'S CERTIFICATE:

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

Signature of Developer
Print name below signature
3-5-97
Date

Review for HOWARD SCD and meets Technical Requirements.

USDA-Natural Resources Conservation Service — Date 3/11/97
Howard SCD — Date 3/11/97

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

APPROVED: DEPT. OF PLANNING AND ZONING
Chief, Development Engineering Division — Date 3/12/97
Chief, Division of Land Development — Date 3/12/97
Director — Date 3/12/97

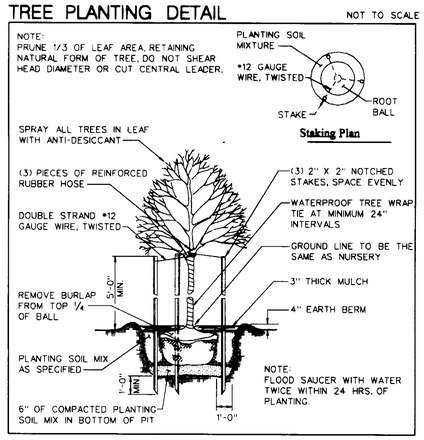
Rev./ Date	Description

Approved : Howard County Health Department for Public Water and Sewerage Systems.
Health Officer — Date 3-14-97

|

TREE PLANTING DETAIL

NOT TO SCALE



SHRUB PLANTING DETAIL

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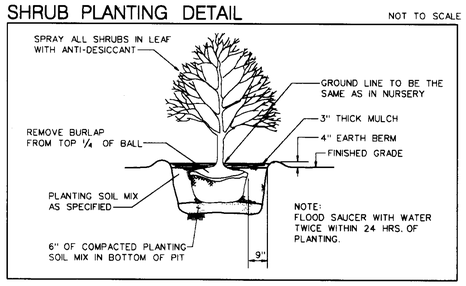
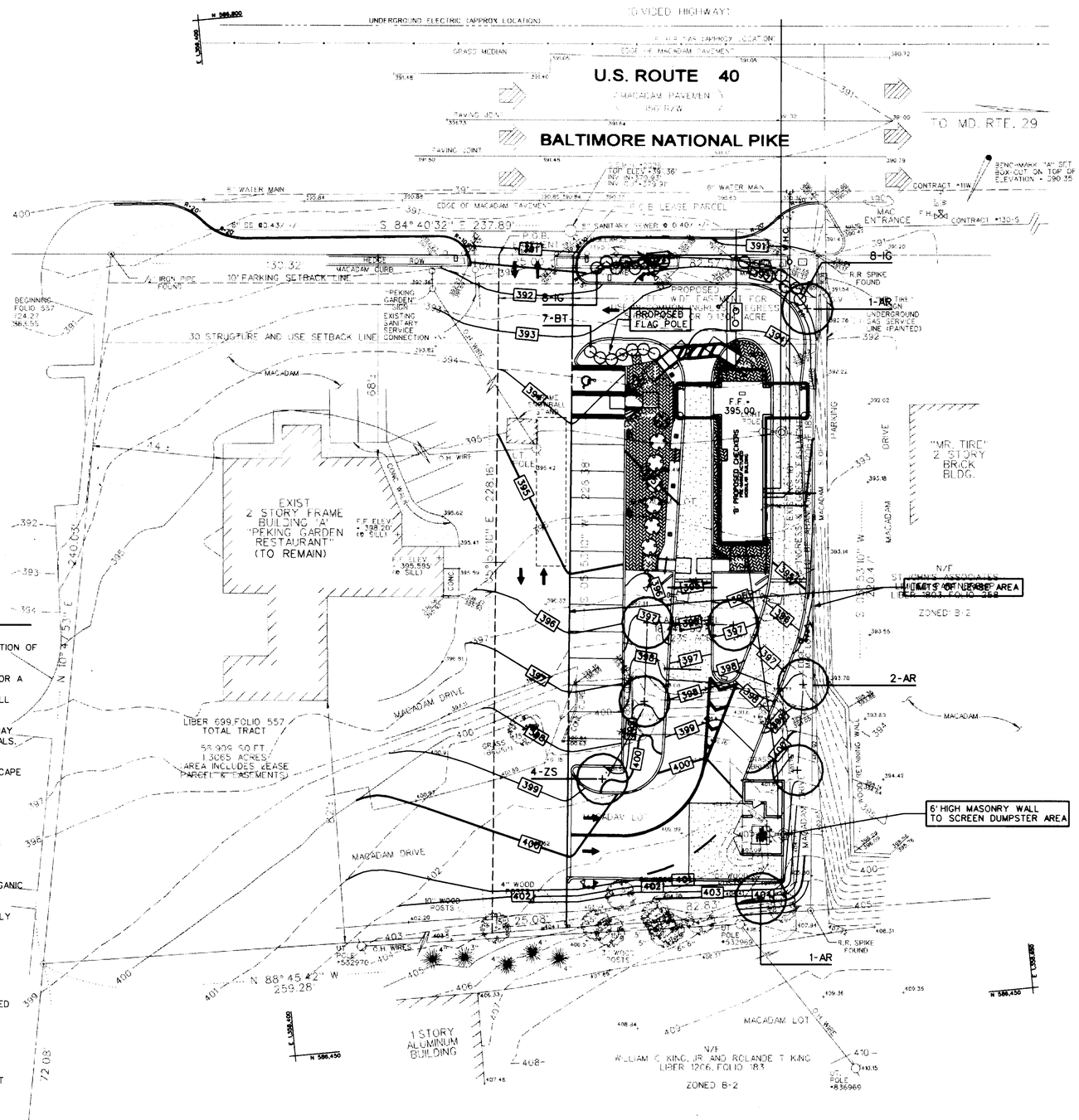
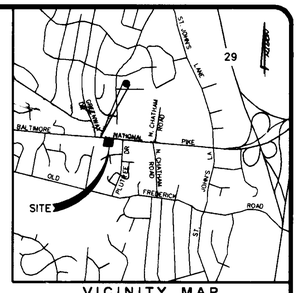


GENERAL NOTES:

1. QUALITY AND SIZE OF PLANTS, SPREAD OF ROOTS, AND SIZE OF BALLS SHALL BE IN ACCORDANCE WITH THE STANDARDS OF THE AMERICAN ASSOCIATION OF NURSERYMEN, "AMERICAN STANDARDS FOR NURSERY STOCK".
2. CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANTS MATERIALS FOR A PERIOD OF ONE YEAR AFTER INSTALLATION IS COMPLETE AND APPROVED. AT THE END OF ONE YEAR ALL PLANT MATERIAL WHICH IS DEAD OR DYING SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE AS ORIGINALLY SPECIFIED.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND/OR LOCATION OF PLANT MATERIALS. CONTRACTOR TO VERIFY 'AS BUILT' LOCATION OF ALL UTILITIES.
4. NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE APPROVAL OF THE LANDSCAPE ARCHITECT.
5. ALL AREAS NOT STABILIZED IN PAVING OR PLANT MATERIALS SHALL BE SODDED.
6. ALL SHADE TREES SHALL BRANCH A MIN. OF 6'-0" ABOVE GROUND LEVEL. TREES SHALL BE PLANTED AND STAKED IN ACCORDANCE WITH THE PLANTING DETAIL SHOWN.
7. PLANTING SOIL MIX: 2/3 EXISTING SOIL (WITH ALL STONES OR DEBRIS 2" OR LARGER REMOVED), 1/3 PEAT HUMUS, COMPOSTED SLUDGE OR OTHER ORGANIC MATERIAL.
8. ALL GROUNDCOVER AND SHRUB BEDS SHALL RECEIVE 3" TOPSOIL THOROUGHLY WORKED INTO THE TOP 6" OF EXISTING SOIL. ALL BEDS TO BE MULCHED 3" DEEP WHEN PLANT INSTALLATION IS COMPLETE.
9. ALL PLANT PIT LOCATIONS SHALL BE EXCAVATED TO DEPTH AND
10. DIMENSIONS INDICATED ON APPROPRIATE PLANTING DETAILS. ALL SOIL EXCAVATED FROM PLANTING PITS SHALL BE REMOVED FROM THE SITE. PLANTING PITS SHALL BE BACKFILLED WITH PLANT SOIL MIXTURE AS SPECIFIED IN NOTE 8 ABOVE.

    ALL LIGHTING IS TO BE DIRECTED DOWNWARD AND AWAY FROM THE RIGHT-OF-WAY OR RESIDENTIALLY ZONED PROPOERTY.
11. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH SECTION 16.124, LANDSCAPING, OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. FINANCIAL SURETY FOR THE REQUIRED 10 LANDSCAPE TREES, IN THE AMOUNT OF $1,000.00, WILL BE REQUIRED AS PART OF THE SURETY SUPPLIED WITH THE GRADING PERMIT.





SCHEDULE A
PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTIES
LANDSCAPE TYPE	B	A
LINEAR FEET OF ROADWAY FRONTAGE / PERIMETER	82 L.F.	301.8 L.F.
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	N/A	N/A
CREDIT FOR WALL, FENCE OR BEAM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	N/A	53.5 L.F.
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	 2 2 0	 5 0 0
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	 2 0 0 23	 5 0 0 0

SCHEDULE B
PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	14
NUMBER OF TREES REQUIRED	1
NUMBER OF TREES PROVIDED SHADE TREES OTHER TREES (2:1 SUBSTITUTION)	 1 0

PLANT SCHEDULE

KEY	QTY.	BOTANICAL/COMMON NAME	SIZE	ROOT	REMARKS
TREES					
AR	4	ACER RUBRUM 'RED SUNSET'/ RED SUNSET MAPLE	2½ -3" CAL.	B&B	CONSISTENT HT. & FORM
ZS	4	ZELKOVA SERRATA 'VILLAGE GREEN'/ VILLAGE GREEN ZELKOVA	2½ -3" CAL.	B&B	CONSISTANT HT. & FORM
SHRUBS					
BT	7	BERBERIS THUNBERGII 'ROSE GLOW'/ ROSE GLOW BARBERRY	15-18" HT.	#2 CONT.	
IG	15	ILEX GLABRA 'COMPACTA'/ COMPACT INKBERRY	18-24" HT.	B&B	

Checkers
P.O. BOX 1079
CLEARWATER, FLORIDA 34617 (813)441-3500

STV Incorporated
engineers / architects / planners / scientists / construction managers
21 Governor's Court Baltimore, MD 21244-2722 (410) 944-9112

ENGINEERS CIRTIFICATE:

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

STATE OF MARYLAND — PROFESSIONAL ENGINEER

Signature — Date 3/5/97
Print name below signature

DEVELOPER'S CERTIFICATE:

"I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment Approved Training Program for the Control of Seuiment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

Signature of Developer — Date 3-5-97
Print name below signature

Review for HOWARD SCD and meets Technical Requirements.

USDA-Natural Resources Conservation Service — Date 3/11/97

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Howard SCD — Date 3/11/97

APPROVED: DEPT. OF PLANNING AND ZONING

Chief, Development Engineering Division — Date 3/12/97
Chief, Division of Land Development — Date 3/12/97
Director — Date 3/12/97

Rev./ Date	Description

Approved : Howard County Health Department for Public Water and Sewerage Systemes.

Health Officer — Date 3-14-97

Address Chart				
Lot/Parcel	Street Address			
Parcel 79	9441 Baltimore National Pike			
Subdivision Name	Section/Area		Parcel 79	
Plat No. —	Block No. 4	Zone B-2	Tax/Zone Map 24	Elec. Dist. 2nd	Census Track 6023.01
Water Code 506	Sewer Code 5753700			

OWNER: PETROS KARRAS & ELIAS KARRAS
12930 FOLEY QUARTER ROAD
ELLICOTT CITY, MD. 21042

DEVELOPER: MAR-CHECK INC.
1410 N. CRAIN HIGHWAY SUITE 9-A
GLEN BURNIE MD. 21061

CHECKERS RESTAURANT

9441 BALTIMORE NATIONAL PIKE ELLICOTT CITY , MD.

LANDSCAPE PLAN

SHEET NO. 5 OF 5
SCALE: 1" = 20'
JOB NO. 61-1289

DATE: 4 MARCH 1997
2nd ELECTION DISTRICT

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DATE: 18-Nov-96 16:16

SDP-97-64