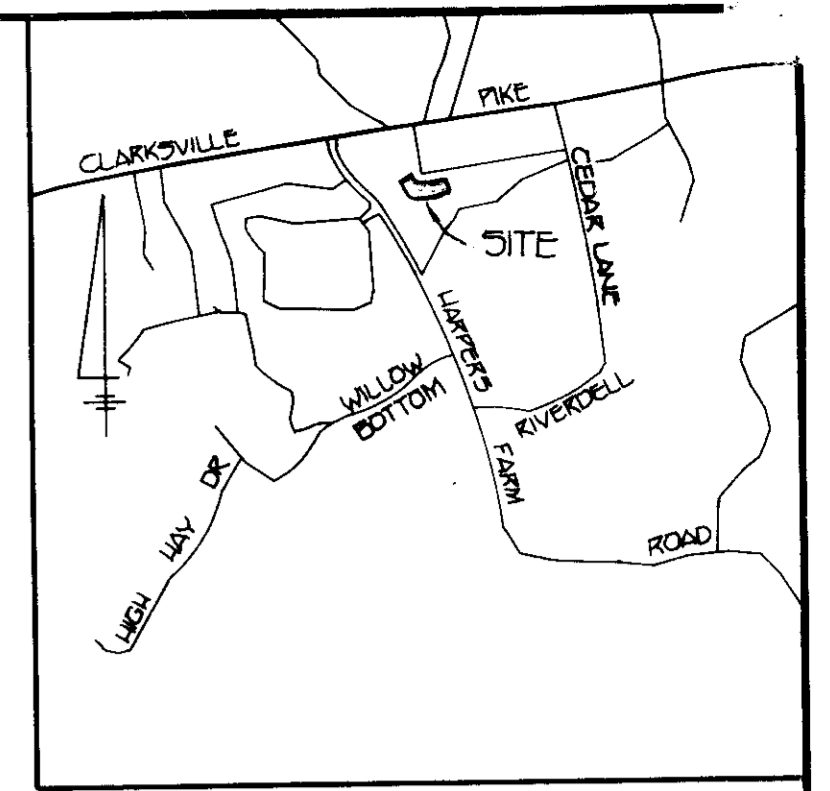


STONE OUTLET SEDIMENT TRAP N 509,300
 DRAINAGE AREA 0.50 AC.
 VOLUME REQUIRED 40 CU. YD.
 VOLUME PROVIDED 41.4 CU. YD.
 TOP DIMENSIONS 10' x 55'
 BOTTOM DIMENSIONS 4' x 49'
 WEIR CREST ELEV. 434.0
 CLEANOUT ELEV. 435.3
 SIDE SLOPES 1:1
 WEIR CREST L. DIMENSION 3'0"

NO	REVISIONS	DATE
1	Rev. hse. & grad. lot 22, Add hse. typical by Clark Finebrook & Sacke P.L.L.C.	12.25.92
2	Rev. hse. & grad. lot 20, Add hse. typical by C.F.S. Inc.	5.19.93
3	Rev. hse. & grad. lot 21, Add hse. typical by C.F.S. Inc.	2.25.93

- SEDIMENT CONTROL NOTES:
- 1) 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 (992-2437).
 - 2) ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 - 3) FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 DAYS AS TO OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
 - 4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
 - 5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE, IN ACCORDANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDINGS (SEC. 51) (SEE SEC. 54). TEMPORARY STABILIZATION (SEC. 50) AND MULCHING (SEC. 52), TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
 - 6) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
 - 7) SITE ANALYSIS:

TOTAL AREA OF SITE	0.52 ACRES
AREA DISTURBED	0.50 ACRES
AREA TO BE ROOFED OR PAVED	0.50 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.50 ACRES
TOTAL CUT	7,000 CU. YDS.
TOTAL FILL	7,000 CU. YDS.
 - 8) ANY SEDIMENT CONTROL STRUCTURE 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 SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH EARTH DISTURBANCE OR GRADING, OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.



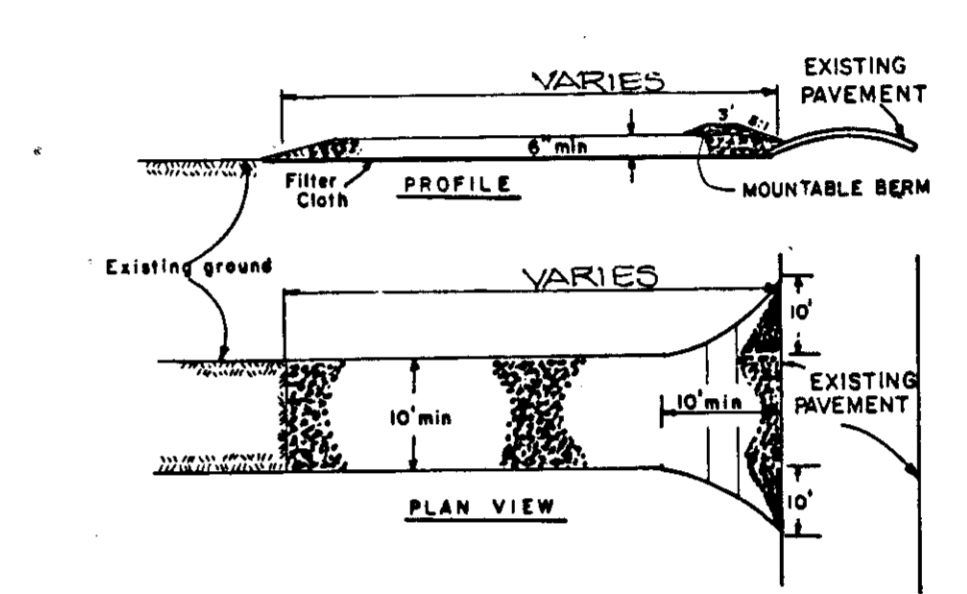
SLIC INVERTS / ADDRESS CHART

LOT	INVERT @ R.L.	STREET	ADDRESS
20	430.37	5040	RUSHLIGHT PATH
21	433.80	5044	RUSHLIGHT PATH
22	435.30	5001	RAVENHILL ROW
23	444.80	5005	RAVENHILL ROW



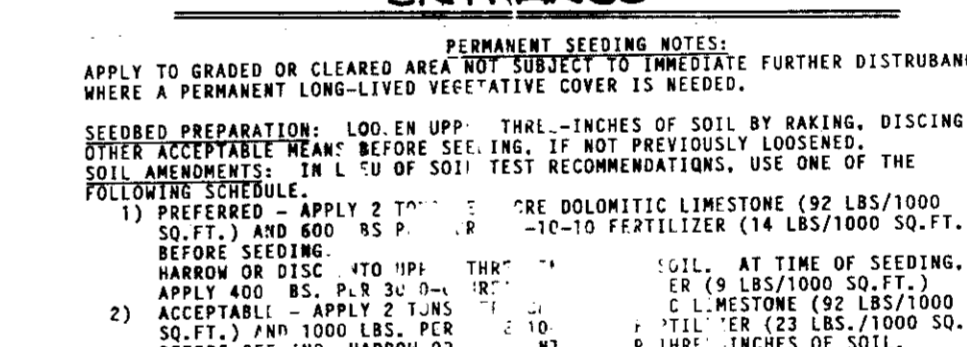
- LEGEND**
- 450 --- EXISTING CONTOUR
 - 450 --- PROPOSED CONTOUR
 - CURB INLET PROTECTION (C.I.P.)
 - STABILIZED CONSTRUCTION ENTRANCE
 - EARTH DIKE (TYPE I TREATMENT)
 - SPOT ELEVATIONS W/ FLOW ARROWS
 - SILT FENCE OR STRAW BALE DIKE
 - STREET TREES (F 2 1/2" MINIMUM CALIPER MAPLES PLANTED @ 40' %
 - BRL BUILDING RESTRICTION LINE

- CONSTRUCTION SEQUENCE**
1. OBTAIN GRADING PERMITS.
 2. INSTALL SILT FENCE, STABILIZED CONSTRUCTION ENTRANCES, AS SHOWN ON PLAN.
 3. BEGIN BUILDING CONSTRUCTION.
 4. INSTALL WATER AND SEWER HOUSE CONNECTIONS.
 5. ROUGH GRADE SITE.
 6. COMPLETE BUILDING CONSTRUCTION.
 7. FINE GRADE SITE AND PAVE DRIVEWAYS, STABILIZE SITE WITH PERMANENT SEEDING.
 8. REMOVAL OF SEDIMENT CONTROL DEVICES SHALL BE DONE WITH THE SUPERVISION AND PERMISSION OF SEDIMENT CONTROL INSPECTOR.

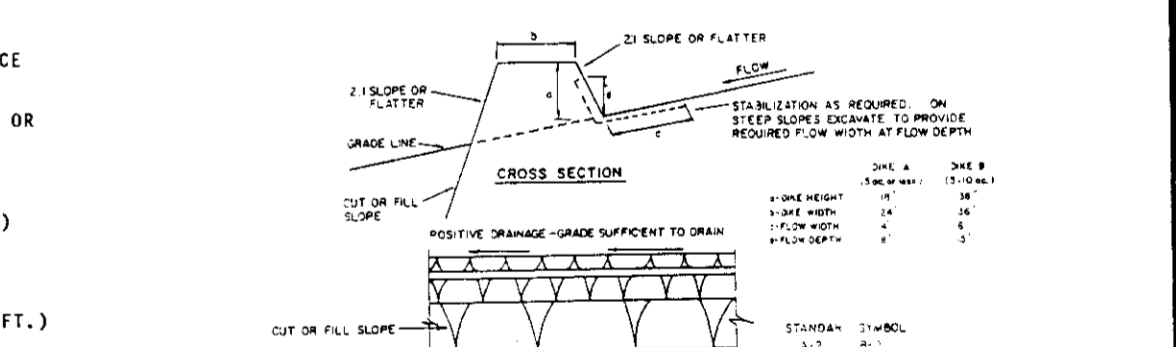


- CONSTRUCTION SPECIFICATIONS**
1. Stone Size - Use 3" stone, or reworked or recycled concrete equivalent.
 2. Length - As required, but not less than 50 feet (except on a single residential lot where a 30 foot minimum length would apply).
 3. Thickness - Not less than six (6) inches.
 4. Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 5. Filter Cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residential lot.
 6. Surface Water - All surface water flowing or diverted toward construction entrances shall be captured by the entrance. If piping is impractical, a mounded berm with 5:1 slopes will be permitted.
 7. Maintenance - The entrance shall be maintained in a condition which will prevent erosion 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 other measures used to keep sediment from reaching the public right-of-way must be removed immediately.
 8. Sealing - When sealing is required 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 shall have an approved sediment trap/pans device.
 9. Periodic inspection and needed maintenance shall be provided after each rain.

- CONSTRUCTION NOTES FOR PARAPETED SILT FENCE**
1. WHEN WIRE FENCE IS FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
 2. FILTER CLOTH TO BE FASTENED TO STAPLES WITH WIRE TIES OR STAPLES EVERY 24" AT TOP AND MID SECTION.
 3. WHEN THE SECTIONS OF FILTER CLOTH ALONG EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND PERMANENT.
 4. MAINTENANCE SHALL BE PROVIDED AS NEEDED AND MATERIAL REPAIRED WHEN ALLOWED DEVELOP IN THE SILT FENCE.



- PERMANENT SEEDING NOTES:**
- APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:** 1.00 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS, BEFORE SEEING. IF NOT PREVIOUSLY LOOSENED, SOIL AMENDMENTS: IN L TO OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING: 1) PREFERRED - APPLY 2 TONS PER ACRE (14,160 LBS./1000 SQ.FT.) OF 10-10-10 FERTILIZER; 2) ACCEPTABLE - APPLY 2 TONS PER ACRE (14,160 LBS./1000 SQ.FT.) OF 10-10-10 FERTILIZER; 3) ACCEPTABLE - APPLY 2 TONS PER ACRE (14,160 LBS./1000 SQ.FT.) OF 10-10-10 FERTILIZER; 4) ACCEPTABLE - APPLY 2 TONS PER ACRE (14,160 LBS./1000 SQ.FT.) OF 10-10-10 FERTILIZER.
- SEEDING:** 1. SEED WITH 1/2 BUSHEL PER ACRE OF ANNUAL RYE (1.5 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14; SEED WITH 3 LBS. PER ACRE OF WHEAT FOR THE PERIOD MAY 1 THRU AUGUST 14; SEED WITH 3 LBS. PER ACRE OF WHEAT FOR THE PERIOD MAY 1 THRU AUGUST 14; SEED WITH 3 LBS. PER ACRE OF WHEAT FOR THE PERIOD MAY 1 THRU AUGUST 14.



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ENGINEER'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE SOIL CONSERVATION DISTRICT.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERS & LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043
 (301) 461-2855

DEVELOPER'S CERTIFICATE

I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ONSITE INSPECTION BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY.

STATE OF MARYLAND
 CHARLES COUNTY
 REGISTERED PROFESSIONAL ENGINEER
 No. 212478
 DATE: 3/22/90

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

James M. Hahn 4/24/90
 SOIL CONSERVATION SERVICE DISTRICT

John L. Blanton 3/24/90
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPT. OF PLANNING AND ZONING

James M. Hahn 4/24/90
 PLANNING DIRECTOR

John L. Blanton 3/24/90
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

APPROVED: DEPARTMENT OF PUBLIC WORKS FOR PUBLIC WATER & SEWER AND STORM DRAINAGE SYSTEMS AND ROADS.

James M. Hahn 4/4/90
 DIRECTOR, PUBLIC WORKS

John L. Blanton 4/4/90
 CHIEF, BUREAU OF ENGINEERING

PROPERTY/SUBDIVISION	SECTION/AREA	PARCEL/LOT NO.
VILLAGE OF HARPERS CHOICE	7/4	20-23
PLAT NO./L.F.	BLOCK NO.	TAX ZONE
1197	10	NT 29
WATER CODE	ELEC. DIST.	CENSUS TR.
I 03	5	0239.01
SEWER CODE		6740000

SITE DEVELOPMENT PLAN

LOTS 20, 21, 22, 23

COLUMBIA VILLAGE OF HARPERS CHOICE

SECTION 7 AREA 4
 5TH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 SCALE 1"=20' FEBRUARY 15, 1990
 SHEET 1 OF 1

S.D.P. 90-153