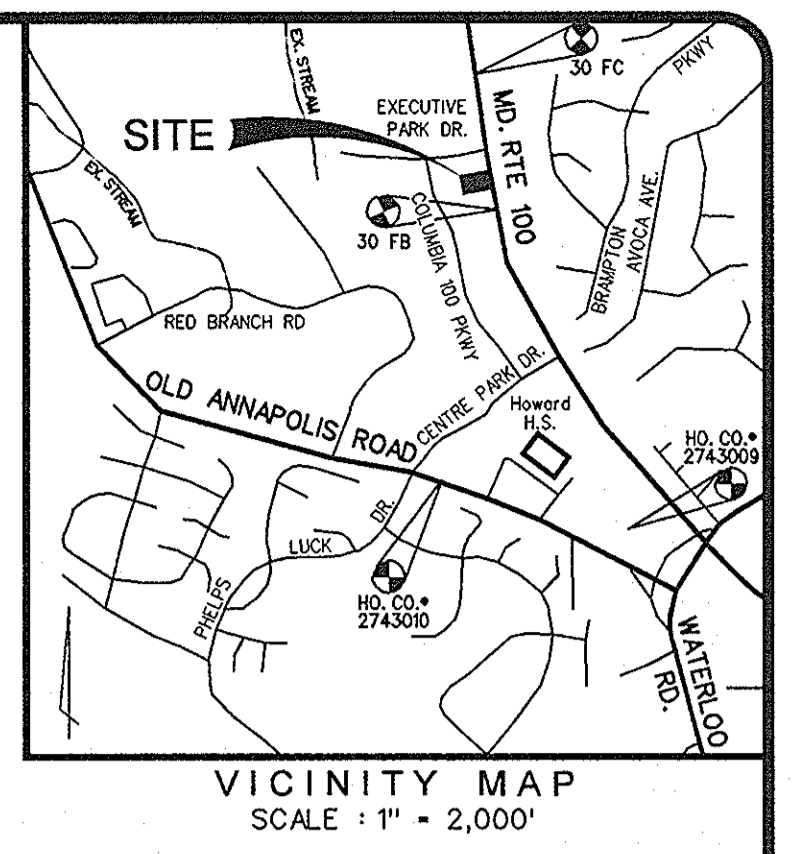


SITE DEVELOPMENT PLAN EXTENDED STAY SITE No. 699

2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND



Sheet Index

- 1 TITLE SHEET
- 2 SITE DEVELOPMENT PLAN
- 3 UTILITY PROFILES
- 4 GRADING PLAN
- 5 EROSION AND SEDIMENT CONTROL PLAN
- 6 EROSION AND SEDIMENT CONTROL NOTES & DETAILS
- 7 EROSION AND SEDIMENT CONTROL DETAILS AND BUILDING / SIGN ELEVATIONS
- 8 SITE DETAILS
- 9 LANDSCAPE PLAN
- 10 STORM DRAIN DRAINAGE AREA MAP

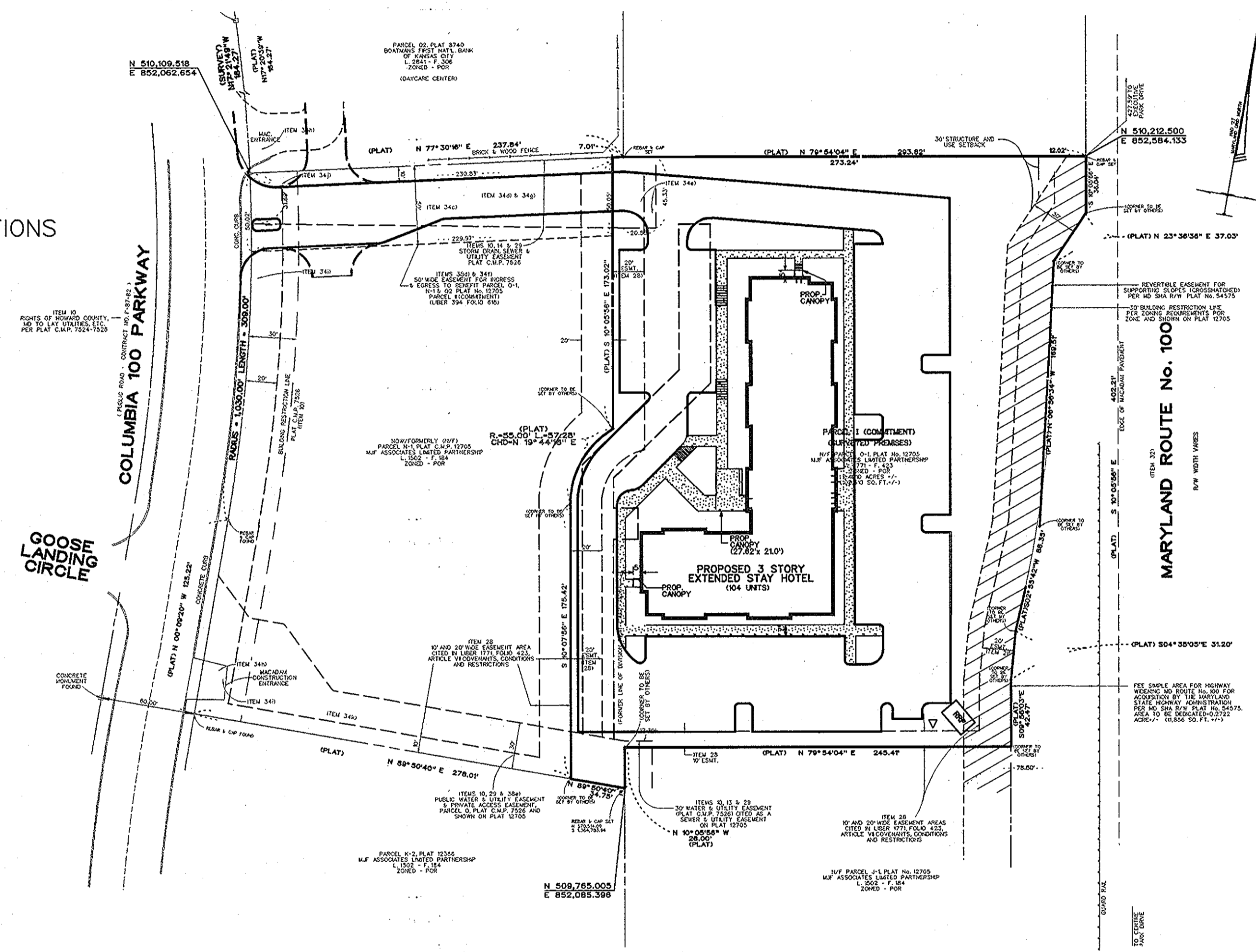
Benchmarks

ALL COORDINATES SHOWN HEREON ARE BASED ON NAD 27, THE MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 2743009 AND 2743010.

2743009 - N 507,260.691, E 852,630.653
2743010 - N 507,089.187, E 851,923.856

ELEVATIONS AS SHOWN HEREON ARE BASED ON BENCHMARK ON HOWARD COUNTY SURVEY CONTROL STATIONS AS CITED IN NOTE 1 AND REFERRED TO THE NGVD 1929:

30 FB : ALUMINUM DISC SET ON NORTHWEST SIDE OF MD. 100, APPROXIMATELY 0.15 MILE NORTHWEST OF CENTRE PARK DRIVE. ELEVATION = 500.632 FEET.
30 FC : ALUMINUM DISC SET ON NORTHWEST SIDE OF MD. 100, APPROXIMATELY 0.65 MILE NORTH OF CENTRE PARK DRIVE. ELEVATION = 386.927 FEET.



PLAN
SCALE: 1" = 60'

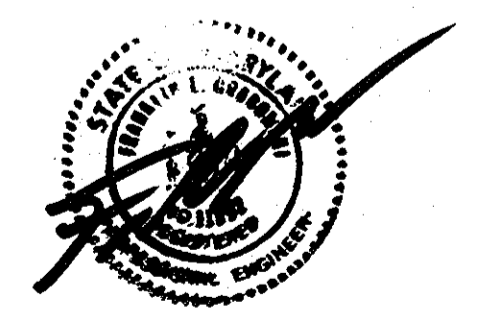
General Notes

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
2. UTILITIES AND OTHER OBSTRUCTIONS AS SHOWN HEREON HAVE BEEN LOCATED BY ACTUAL FIELD MEASUREMENTS SUPPLEMENTED BY INFORMATION OBTAINED FROM THE VARIOUS AGENCIES INVOLVED. HOWEVER, WE DO NOT GUARANTEE THE ACCURACY OR THE COMPLETENESS OF THE INFORMATION RECEIVED. THE CONTRACTOR MUST VERIFY ALL SUCH INFORMATION TO HIS OWN SATISFACTION AND MUST NOTIFY THE UTILITY COMPANIES INVOLVED PRIOR TO THE START OF WORK.
3. LOCATION OF INDIVIDUAL ELECTRIC, TELEPHONE, GAS, WATER, AND SANITARY SEWER SERVICE CONNECTIONS AS SHOWN HEREON ARE UNCERTAIN. THE LOCATION OF SAID CONNECTIONS HAS BEEN FIELD LOCATED WHERE POSSIBLE, BUT IN CASES WHERE THE LINES HAVE BEEN CONSTRUCTED AND PAVED OVER THE CONNECTIONS SHOWN ARE BASED ON PROPOSED SITE PLANS OR AN ESTIMATION OF POSSIBLE LOCATION. SHOULD EXCAVATION BECOME NECESSARY FOR MAINTENANCE OR REPAIR OF THESE LINES, IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCURATELY DETERMINE THE LOCATION OF THESE LINES BEFORE COMMENCING WORK.
4. ANY DAMAGE TO PUBLIC RIGHTS OF WAY AND / OR ADJACENT PROPERTIES SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL NOTIFY MISS UTILITY AT (1-800-257-7777) AT LEAST 48 HOURS PRIOR TO STARTING EXCAVATION.
6. THERE ARE NO KNOWN BURIAL GROUNDS OR CEMETERIES LOCATED ON THE SITE.
7. STORMWATER MANAGEMENT QUANTITY AND QUALITY IS PROVIDED OFF-SITE IN REGIONAL STORMWATER MANAGEMENT FACILITY (RETENTION POND) BUILT UNDER F-87-82.
8. THE SITE IS NOT LOCATED ALONG A SCENIC ROAD.
9. THE PROPOSED SITE DEVELOPMENT IS EXEMPT FROM THE HOWARD COUNTY FOREST CONSERVATION REGULATIONS PER SECTION 16.1202 (b)(v).
10. THE PROPOSED EXTENDED STAY AMERICA DEVELOPMENT IS LOCATED ON PARCEL "G-1," PARCEL "N" WILL BE MASS GRADED AS PART OF THE CONSTRUCTION PROCESS. (REFER TO GP-97-128)
11. THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
12. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
13. ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
14. THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM ONE FOOT CONTOUR INTERVALS PREPARED BY STV INCORPORATED DATED NOVEMBER 6, 1996 AND REVISED THROUGH MARCH 31, 1997
15. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENT NOS. 2743009 AND 2743010 WERE USED FOR THIS PROJECT.

16. WATER IS PUBLIC. (CONTRACT NUMBER 241588D / 630 EAST WATERZONE) THE PROPOSED BUILDING CONNECTION SHALL BE PRIVATE.
17. SEWER IS PRIVATE
18. THERE IS NO FLOODPLAIN ON THIS SITE.
19. THERE ARE NO WETLANDS ON THIS SITE.
20. NO TRAFFIC STUDY IS REQUIRED FOR THIS PROJECT.
21. THE PLANNING DIRECTOR APPROVED A REQUEST TO WAIVE SECTION 16.155 (A)(2) TO PERMIT MASS GRADING WITHOUT SDP APPROVAL ON MARCH 24, 1997. (REFER TO WP-97-103)

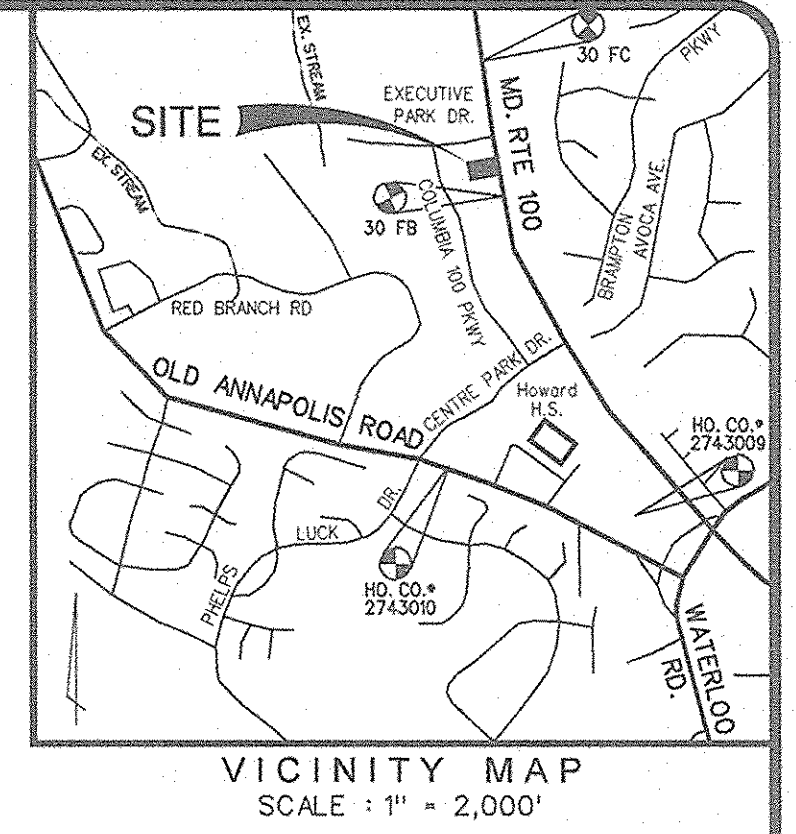
Site Analysis Data Chart

1. TOTAL PROJECT AREA = 2.491 ACRES ± (108,510 SF ±)
2. AREA OF PLAN SUBMISSION: 4.05 AC.
3. LIMIT OF DISTURBED AREA: 3.78 AC. ±
4. PRESENT ZONING: POR
5. PROPOSED USE: HOTEL
6. PROPOSED STRUCTURE: HOTEL
7. FLOOR SPACE: 15,278 S.F. EACH FLOOR
8. TOTAL NUMBER OF UNITS ALLOWED (AS SHOWN ON FINAL PLAT) N/A
9. TOTAL NUMBER OF UNITS PROPOSED: 104 UNITS
10. MAXIMUM NUMBER OF EMPLOYEES, TENANTS ON SITE: 8 EMPLOYEES/104 UNITS
11. PARKING PROVIDED (INCLUDING HANDICAPPED SPACES): 110 SPACES
12. PARKING PROVIDED (INCLUDING HANDICAPPED SPACES): 110 SPACES
13. OPEN SPACE ON SITE: N/A ACRES AND N/A % OF GROSS AREA
14. AREA OF RECREATION OPEN SPACE REQUIRED BY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS: NONE REQUIRED
15. BUILDING COVERAGE OF SITE: 0.35 ± ACRES AND 14% OF GROSS AREA
16. APPLICABLE DPZ FILE REFERENCES: F-87-82, SDP-97-92, WP-97-103, F-82-64, F-97-147



DEVELOPER: EXTENDED STAY AMERICA 65 MADISON AVENUE SUITE #340 MORRISTOWN, NEW JERSEY 07960	ENGINEERS CERTIFICATE: "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: <i>Franklin L. Gradowski</i> Date: 5-13-97	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." Signature of Developer: <i>IRA M. CLIFFORD</i> Date: 5-14-97	Review for HOWARD SCD and meets Technical Requirements. USDA-Natural Resources Conservation Service This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT. Date:	APPROVED: DEPT. OF PLANNING AND ZONING Chief, Development Engineering Division: <i>Linda Hamilton</i> Date: 6/3/97 Division of Land Development: <i>Mark V. ...</i> Date: 6/4/97 Director (Planning): <i>...</i> Date: 6/4/97	OWNER: EXTENDED STAY AMERICA 65 MADISON AVENUE SUITE # 340 MORRISTOWN, NEW JERSEY 07960 EXTENDED STAY AMERICA 8884 COLUMBIA 100 PARKWAY COLUMBIA, MD. 21045 TITLE SHEET SHEET NO. 1 of 10 DATE: MARCH, 1997 HOWARD COUNTY, MD. 2nd ELECTION DISTRICT SCALE: 1" = 30' SDP-97-92
STV Incorporated engineers / architects / planners / scientists / construction managers 21 Governor's Court Baltimore, MD 21244-2722 (410) 944-9112		Address Chart Lot/Parcel: 01 Subdivision Name: 8884 Columbia 100 Parkway Section/Area: 1/2 Parcel: 0-1 Plot No.: 12705 Block No.: 12/18 Zone: POR Tax/Zone: Map 30 Elec. Dist.: 2nd Census Tract: 6023.02 Water Code: G 02 Sewer Code: 5657400			

FILE: h:\projects\1438\1010699.dgn DATE: 15-May-97 11:47



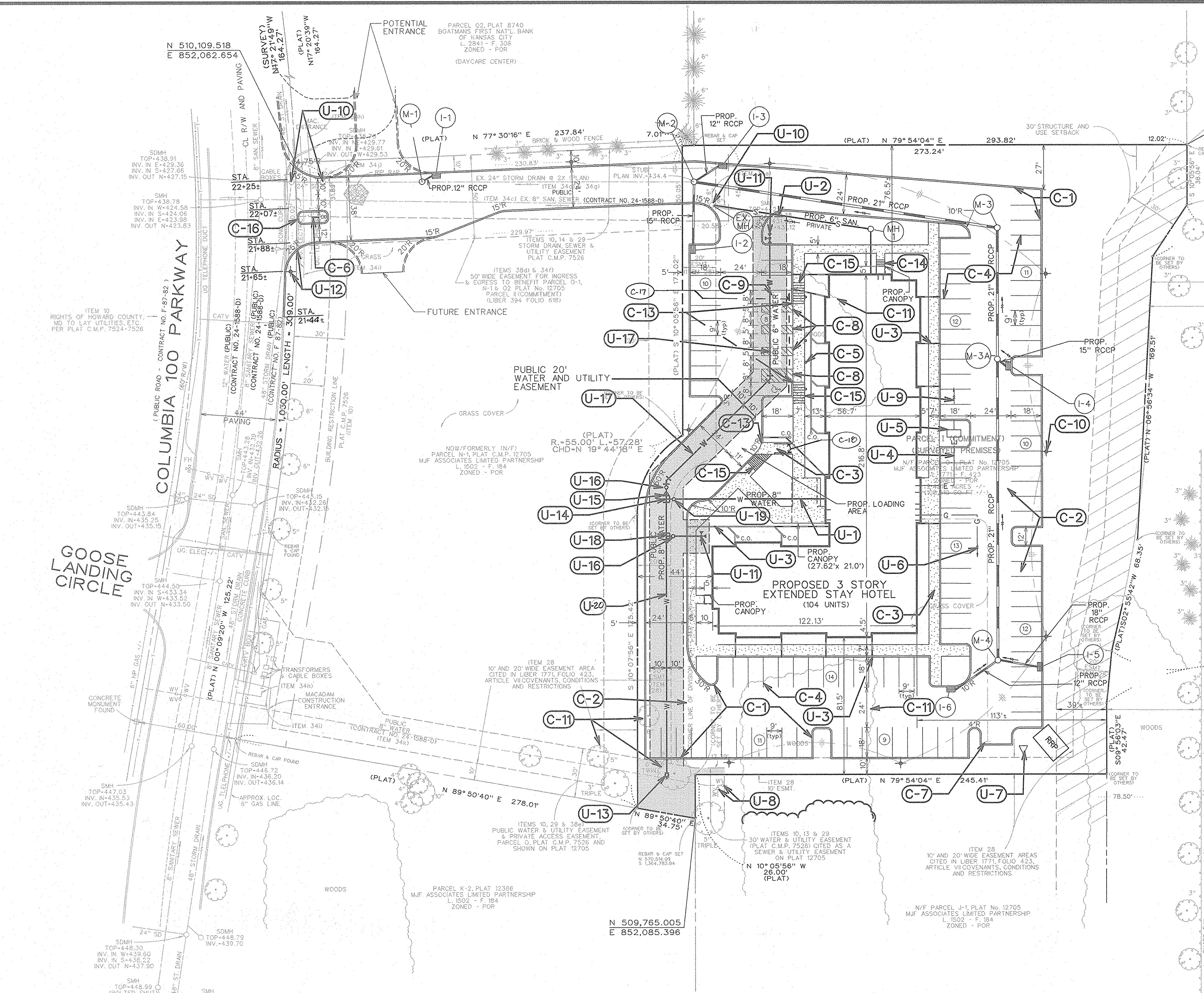
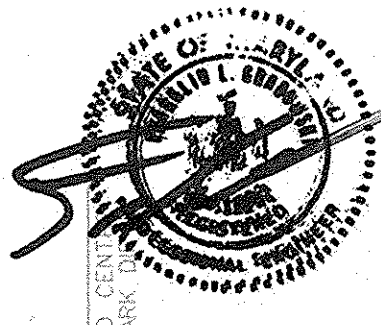
- Construction Notes:**
- C-1 INSTALL NEW CONCRETE CURB AND GUTTER. SEE SHEET 8 FOR CONCRETE CURB AND GUTTER DETAIL.
 - C-2 INSTALL NEW BITUMINOUS CONCRETE PAVING. SEE SHEET 8 FOR BITUMINOUS PAVING SECTION DETAIL.
 - C-3 INSTALL NEW CONCRETE WALK. SEE SHEET 8 FOR CONCRETE SIDEWALK SECTION DETAIL.
 - C-4 PROVIDE 4" WIDTH PAVEMENT MARKINGS AS INDICATED ON PLAN. USE TWO COATS OF ALKYD TYPE TRAFFIC LANE MARKING PAINT. USE WHITE UNLESS OTHERWISE DIRECTED.
 - C-5 INSTALL NEW HANDICAP PARKING SIGNS. SEE SHEET 8 FOR HANDICAPPED SIGN AND POST DETAIL.
 - C-6 INSTALL NEW SIGN. SEE SHEET 7 FOR DETAIL.
 - C-7 INSTALL NEW TRASH ENCLOSURE. SEE SHEET 8 FOR TRASH ENCLOSURE DETAIL.
 - C-8 INSTALL DEPRESSED CURB. SEE SHEET 8 FOR BUILT-UP CURB RAMP DETAIL.
 - C-9 PROVIDE HANDICAP PARKING SPACE STRIPING. SEE SHEET 8 FOR HANDICAPPED PARKING DETAIL.
 - C-10 INSTALL NEW SITE LIGHTING. MANUFACTURER: MCGRAW-EDISON, MODEL SC71629-C440-B77 POLE MODEL 5555-305F-B2/AMP MODEL MV4400U. REFER TO ELECTRICAL DRAWINGS FOR CONDUIT LOCATION AND LIGHT BASE DETAIL. ALL LIGHTING SHALL COMPLY WITH SECTION 134 "OUTDOOR LIGHTING" OF THE HOWARD COUNTY, MARYLAND ZONING REGULATIONS. LIGHT CONDUIT SHOWN ON THIS PLAN IS FOR INFORMATIONAL PURPOSES ONLY.
 - C-11 REMOVE EXISTING TREES.
 - C-12 INSTALL HANDICAP RAMP. SEE SHEET 8 FOR CURB RAMP DETAIL.
 - C-13 INSTALL NOSE DOWN CURB
 - C-14 INSTALL STEPS AND HANDRAIL - REFER TO SHEET 8 FOR DETAIL.
 - C-15 INSTALL HANDICAP RAMP. SLOPE SHALL NOT EXCEED 5% SURFACE TEXTURE SHALL BE A HEAVY BROOM TRAVERSE TO SLOPE OF RAMP.
 - C-16 INSTALL COMMERCIAL ENTRANCE PER HOWARD COUNTY DETAIL R-610.

- Utility Notes:**
- U-1 INSTALL 8" WATER SERVICE. SEE SHEET 3 FOR PROFILE. METER INSIDE BUILDING. COORDINATE WITH MECHANICAL DRAWINGS. NOTE: PROPOSED BUILDING SHALL BE FIRE SPRINKLERED.
 - U-2 INSTALL 6" SANITARY SEWER. SEE SHEET 3 FOR PROFILE.
 - U-3 INSTALL 4" PVC ROOF DRAINS AT 12" MINIMUM OUTLET THROUGH CURB. COORDINATE WITH ARCHITECTURAL DRAWINGS.
 - U-4 INSTALL ELECTRICAL SERVICE TO TRANSFORMER. COORDINATE WITH BGE.
 - U-5 INSTALL TRANSFORMER AND CONCRETE PAD. (LOCATED DIRECTLY WEST OF COLUMBIA 100 PARKWAY) CONTRACTOR SHALL COORDINATE WITH BGE.
 - U-6 GAS SERVICE BETWEEN BUILDING AND MAIN SHALL BE INSTALLED BY BGE. CONTRACTOR SHALL COORDINATE WITH BGE.
 - U-7 NEW SATELLITE SHALL BE FURNISHED AND INSTALLED BY WORLD CINEMA INC. CONTRACTOR SHALL COORDINATE BUILDING CONNECTION WITH ELECTRICAL DRAWINGS. BUILDING CONNECTION SHOWN ON THIS PLAN IS FOR INFORMATIONAL PURPOSES ONLY.
 - U-8 RESET EXISTING WATER VALVE.
 - U-9 ELECTRICAL SERVICE TO TRANSFORMER SHALL BE INSTALLED BY BGE. CONTRACTOR SHALL COORDINATE WITH BGE.
 - U-10 ADJUST MANHOLE FRAME AND COVER TO MEET NEAREST ELEVATION.
 - U-11 INSTALL FIRE HYDRANT. TO BE INSTALLED BY HOWARD CO. (N.I.C.)
 - U-12 RELOCATE EXISTING STREET LIGHT.
 - U-13 INSTALL 8" X 18" TAPPING SLEEVE VALVE AND VAULT. TO BE INSTALLED BY HOWARD COUNTY, (N.I.C.)
 - U-14 INSTALL 8" X 8" TEE. TO BE INSTALLED BY HOWARD CO. (N.I.C.)
 - U-15 INSTALL 8" X 6" REDUCER. TO BE INSTALLED BY HOWARD CO. (N.I.C.)
 - U-16 INSTALL 8" VALVE. TO BE INSTALLED BY HOWARD CO. (N.I.C.)
 - U-17 INSTALL 6" WATER SERVICE. TO BE INSTALLED BY HOWARD CO. (N.I.C.)
 - U-18 INSTALL 8" X 6" TEE. TO BE INSTALLED BY HOWARD CO. (N.I.C.)
 - U-19 INSTALL 8" VALVE
 - U-20 8" WATER SERVICE TO BE INSTALLED BY HOWARD CO. (N.I.C.)

- Notes:**
1. ALL CURB RADI 3' UNLESS OTHERWISE NOTED.
 2. ALL BEARING AND DISTANCES TAKEN FROM RECORD PLAT ENTITLED "COLUMBIA 100 OFFICE RESEARCH PARK" PREPARED BY REIMER MUEGGE & ASSOC RECORDING NUMBER 12705

Legend:

	PROPOSED FIRE HYDRANT		EXISTING GAS
	PROPOSED GAS		EXISTING ELECTRIC
	PROPOSED ELECTRIC		EXISTING SANITARY
	PROPOSED SANITARY		EXISTING WATER
	PROPOSED WATER		EXISTING STORM DRAIN
	PROPOSED STORM DRAIN		



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DEVELOPER:
 EXTENDED STAY AMERICA
 65 MADISON AVENUE
 SUITE #340
 MORRISTOWN, NEW JERSEY 07960

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

ENGINEERS CERTIFICATE:

"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."

Franklin L. Graber, Sr.
 Signature of Engineer
 Date: 5-13-97

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."

IRA M. CLIFFORD
 Signature of Developer
 Date: 5-14-97

REVIEW:

Review for HOWARD SCD and meets Technical Requirements.

USDA-Natural Resources Conservation Service

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

Howard SCD

APPROVED: DEPT. OF PLANNING AND ZONING

John Hamilton
 Chief, Development Engineering Division
 Date: 6/1/97

Cecilia Hamilton
 Director of Land Development
 Date: 6/1/97

Thomas S. Jolley, Jr.
 Director
 Date: 4/1/97

Rev./Date	Description
4/8/97	PER HO. CO. SDP AND OWNER COMMENTS
5/12/97	PER HO. CO. SDP COMMENTS
6/1/97	ADD C-17 AND C-16 PER HO. CO. COMMENTS

Address Chart					
Subdivision Name	Street Address				
Columbia 100 Office Research Park	8884 Columbia 100 Parkway				
Parcel	Section/Area				
0-1	1 / 2				
Parcel	Parcel				
0-1	0-1				
Site Data					
Plot No.	Block No.	Zone	Tax/Zone	Elec. Dist.	Census Tract
12705	12/18	POR	Map 30	2nd	6023.02
Water Code	G 02	Sewer Code	5657400		

OWNER:
 EXTENDED STAY AMERICA
 65 MADISON AVENUE
 SUITE # 340
 MORRISTOWN, NEW JERSEY 07960

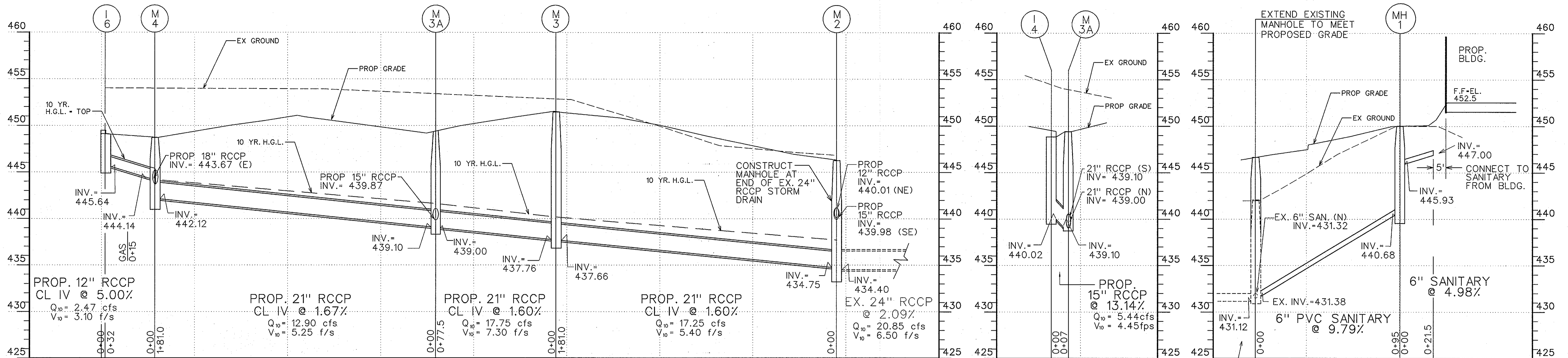
SITE DEVELOPMENT PLAN

EXTENDED STAY AMERICA
 8884 COLUMBIA 100 PARKWAY COLUMBIA, MD. 21045

SHEET NO. 2 of 10
 SCALE: 1"=30'

DATE: MARCH, 1997
 HOWARD COUNTY, MD.
 2ND ELECTION DISTRICT

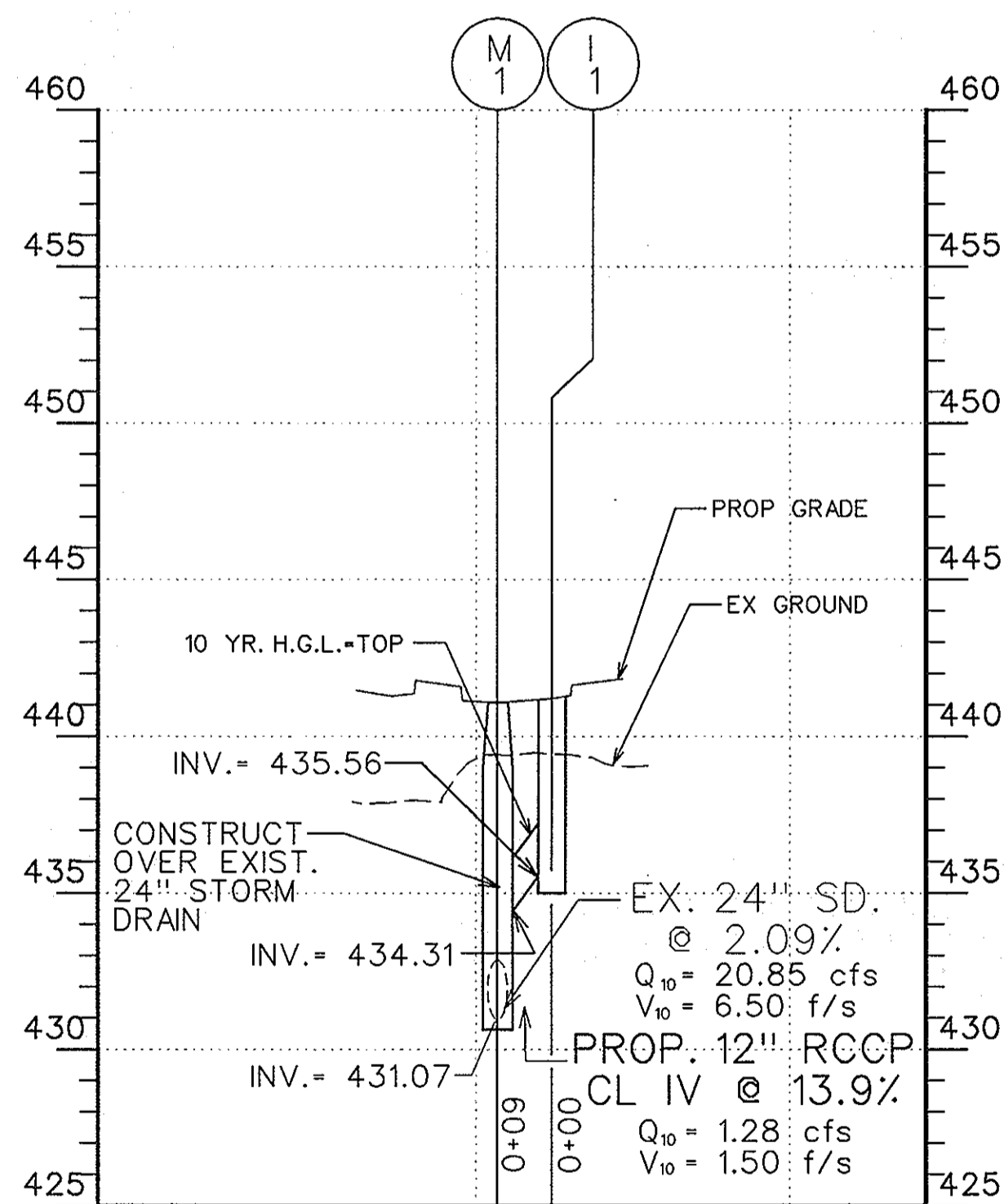
SDP-97-92



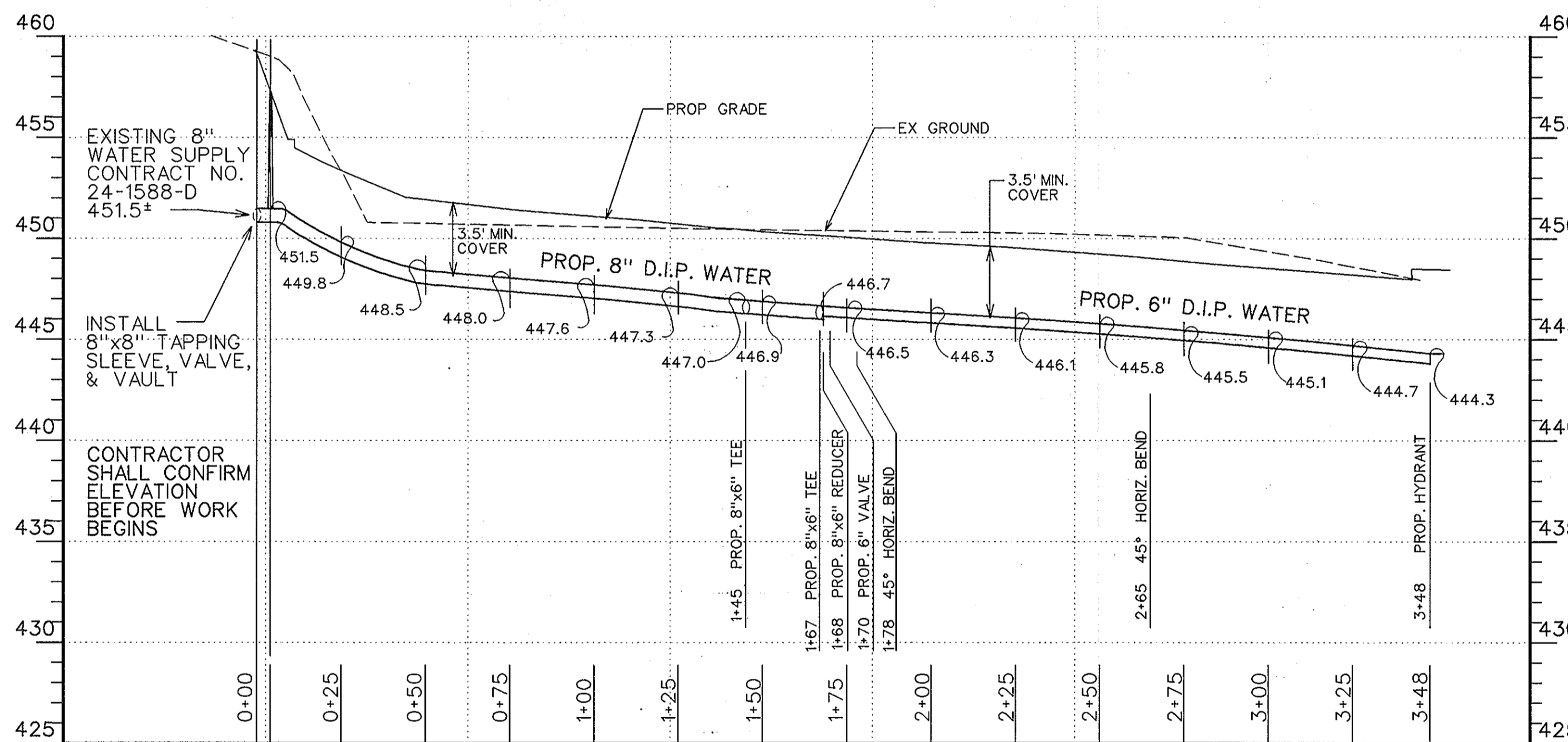
**Storm Drain Profile
I-6 To M-2**
SCALE: HOR.: 1"=30'
VER.: 1"=5'

**Storm Drain Profile
I-4 to M-3A**
SCALE: HOR.: 1"=30'
VER.: 1"=5'

**Sanitary Profile
SMH-1**
SCALE: HOR.: 1"=30'
VER.: 1"=5'



**Storm Drain Profile
I-1 To M-1**
SCALE: HOR.: 1"=30'
VER.: 1"=5'



**Public Water Service Profile
Sta. 0+00 To 3+48**
SCALE: HOR.: 1"=30'
VER.: 1"=5'

NOTE: SEE SHEET NO.8 FOR ADDITIONAL PRIVATE WATER SERVICE PROFILE

Stormdrain Structure Schedule

No.	Description	Howard Co. Detail No.	Inv. In	Inv. Out	Top Elev.	Location
M-1	4' STD. MANHOLE	G - 5.12	431.07	430.97	441.12	N 570,860 E 1,364,557
M-2	4' STD. MANHOLE	G - 5.12	434.75	434.40	446.45	N 570,889 E 1,364,717
M-3	4' STD. MANHOLE	G - 5.12	437.76	437.66	451.71	N 570,893 E 1,364,900
M-3A	4' STD. MANHOLE	G - 5.12	439.10	439.00	449.36	N 570,816 E 1,364,914
M-4	4' STD. MANHOLE	G - 5.12	444.14	442.12	448.83	N 570,638 E 1,364,945
I-1	DEPR. S-COMB.	SD - 4.32	-	435.56	* 440.92	N 570,865 E 1,364,565
I-2	DEPR. S-COMB.	SD - 4.32	-	441.50	* 446.58	N 570,849 E 1,364,724
I-3	DEPR. S-COMB.	SD - 4.32	-	441.00	* 446.10	N 570,901 E 1,364,732
I-4	A-5 (W-2.5')	SD - 4.01	-	440.02	* 448.92	N 570,813 E 1,364,921
I-5	TYPE A-10 INLET (W-2.5')	SD - 4.02	-	444.84	448.34	N 570,639 E 1,364,971
I-6	DEPR. S-COMB.	SD - 4.32	-	445.64	* 448.86	N 570,616 E 1,364,921

* TOP OF GRATE DEPRESSED ELEVATION

NOTE: ALL DEPRESSED INLETS SHALL CONFORM TO HOWARD COUNTY DETAIL SD-4.81

Sanitary Structure Schedule

No.	Description	Howard Co. Detail No.	Inv. In	Inv. Out	Top Elev.	Location
MH-1	4' TYPE "B" DROP MANHOLE	S - 1.32	445.93	440.68	450.10	N 570,879 E 1,364,649



DEVELOPER:
EXTENDED STAY AMERICA
65 MADISON AVENUE
SUITE 340
MORRISTOWN, NEW JERSEY 07960

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

ENGINEERS CERTIFICATE:
"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: *Paul L. Sabatini*
Date: 5-13-97

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."

Signature: *IRA M. CLIFFORD*
Date: 5-14-97

Review for HOWARD SCD and meets Technical Requirements.

USDA-Natural Resources Conservation Service
This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.

Signature: *Howard SCD*
Date:

APPROVED: DEPT. OF PLANNING AND ZONING
Chief, Development Engineering Division
Signature: *Condy Hanlon*
Date: 6/12/97

Director
Signature: *U. D. ...*
Date: 6/14/97

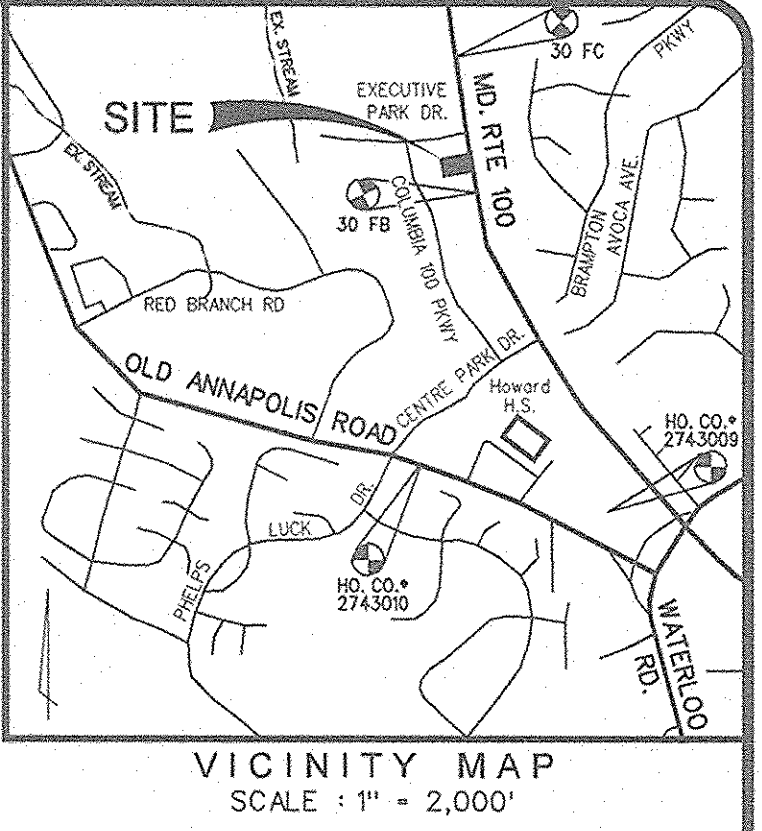
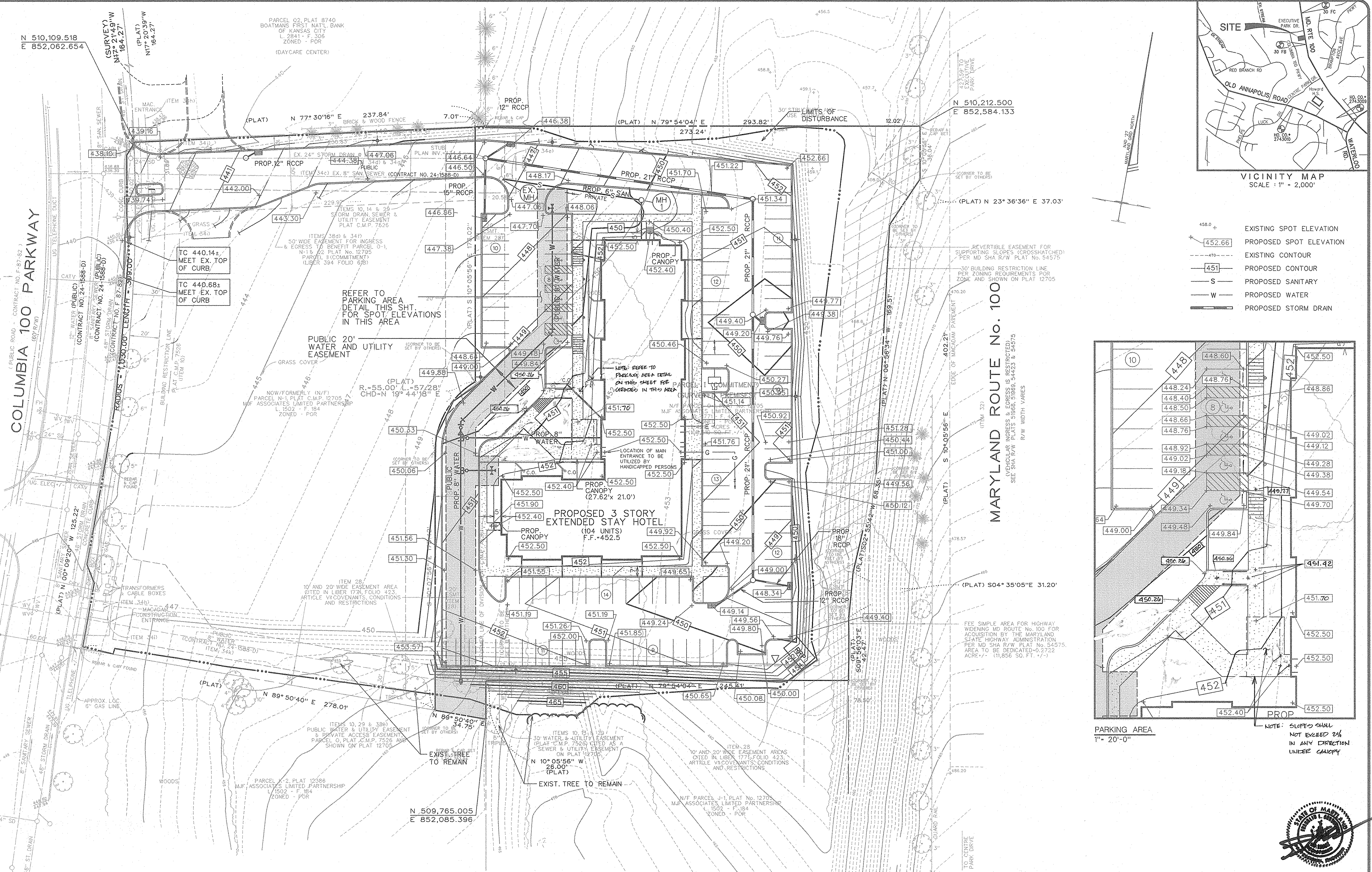
Address Chart
Lot/Parcel: 0-1
Street Address: 8884 Columbia 100 Parkway
Subdivision Name: Columbia 100 Office Research Park
Section/Area: 1/2
Parcel: 0-1

Water Code: G 02
Sewer Code: 5657400

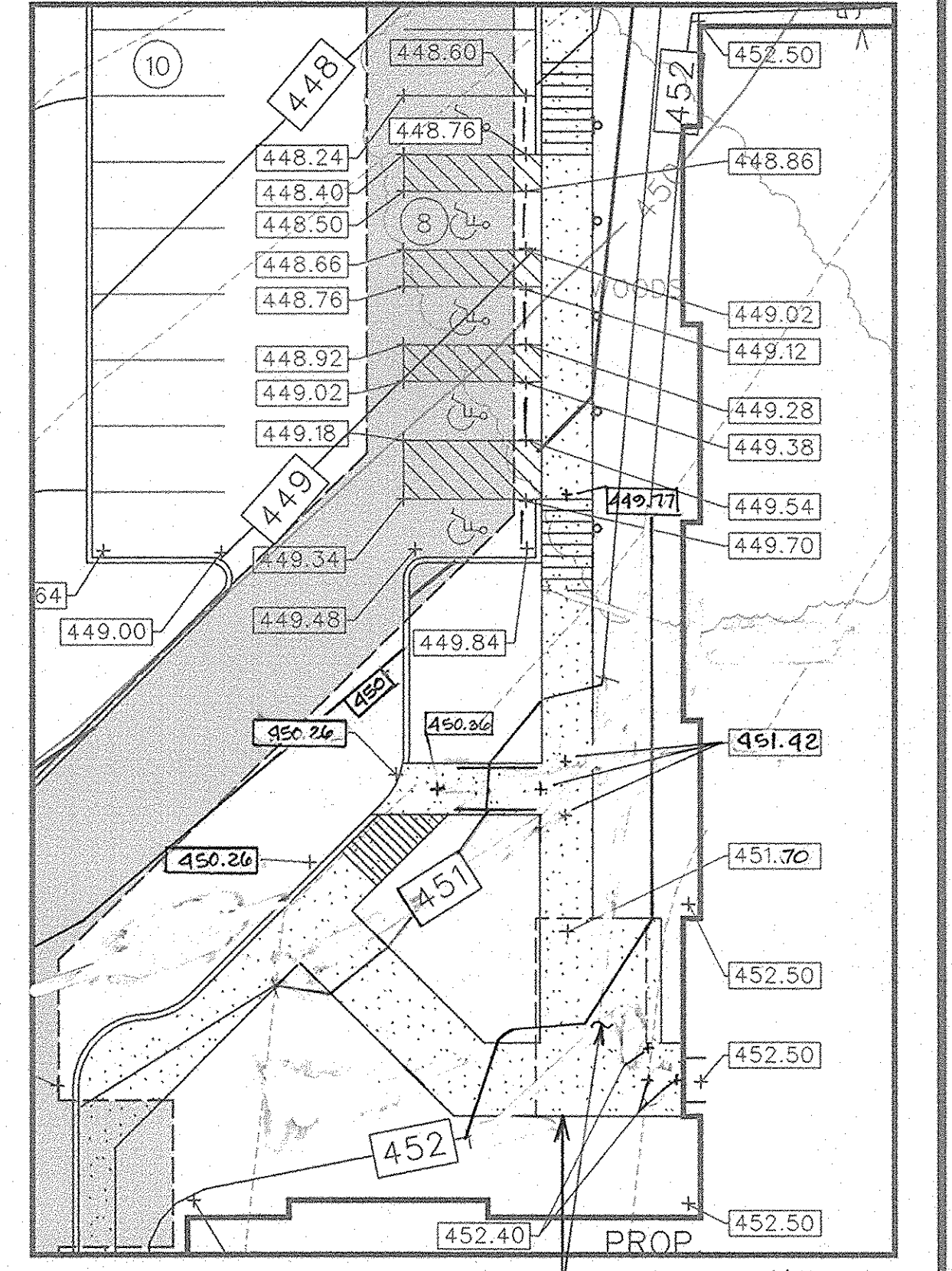
OWNER:
EXTENDED STAY AMERICA
65 MADISON AVENUE
SUITE 340
MORRISTOWN, NEW JERSEY 07960

EXTENDED STAY AMERICA
8884 COLUMBIA 100 PARKWAY COLUMBIA, MD. 21045

UTILITY PROFILES
DATE: MARCH, 1997
SHEET NO. 3 of 10
SCALE: AS SHOWN
SDP-97-92



- 458.0+ EXISTING SPOT ELEVATION
- 452.66 PROPOSED SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- S PROPOSED SANITARY
- W PROPOSED WATER
- PROPOSED STORM DRAIN



NOTE: SLOPES SHALL NOT EXCEED 2% IN ANY DIRECTION UNLESS CANOPY



DEVELOPER:
EXTENDED STAY AMERICA
 65 MADISON AVENUE
 SUITE #340
 MORRISTOWN, NEW JERSEY 07960

STV Incorporated
 engineers / architects / planners / scientists / construction managers
 21 Governor's Court Baltimore, MD 21244-2722 (410) 941-9112

ENGINEERS CERTIFICATE:
 "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
FRANKLIN L. GILBOURSKI
 Date: **5-13-97**

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."

Signature of Developer
IRA M. CLIFFORD
 Date: **5-14-97**

Review for HOWARD SCD and meets Technical Requirements.

USDA-Natural Resources Conservation Service
 Date: _____
 Signature: _____
 Title: _____

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
 Date: _____
 Signature: _____
 Title: _____

APPROVED: DEPT. OF PLANNING AND ZONING
 Chief Development Engineering Division
Andy Hamilton 6/4/97
 Director, Division of Land Development
David J. S. [Signature] 6/4/97

Rev./Date	Description
4/8/97	PER HO. CO. SDP AND OWNER COMMENTS
5/12/97	PER HO. CO. SDP COMMENTS
6/4/97	REVISE PARKING AREA DETAIL PER HO. CO. COMMENTS

Address Chart			
Lot/Parcel	Street Address		
0-1	8884 Columbia 100 Parkway		
Subdivision Name	Section/Area	Parcel	
Columbia 100 Office Research Park	1/2	0-1	
Plot No.	Block No.	Zone	Tax/Zone
12705	12/18	POR	Map 30
Elec. Dist.	Census Tract		
2nd	6023.02		
Water Code	Sewer Code		
G 02	5657400		

OWNER:
 EXTENDED STAY AMERICA
 65 MADISON AVENUE
 SUITE # 340
 MORRISTOWN, NEW JERSEY 07960

EXTENDED STAY AMERICA
 8884 COLUMBIA 100 PARKWAY COLUMBIA, MD. 21045

GRADING PLAN

SHEET NO. 4 of 10
 DATE: MARCH, 1997
 HOWARD COUNTY, MD.
 2nd ELECTION DISTRICT

SCALE: 1"=30'

STANDARD SEDIMENT CONTROL NOTES

- 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).
- 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.
- 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.
- 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.
- 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. C). Temporary stabilization with mulch along shall only be done when recommended seeding does 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 permission for their removal has been obtained from the Howard County Sediment Control/Inspector.
- Site Analysis:
 - Total Area of Site: 4.59 Acres
 - Area Disturbed: 3.78 Acres
 - Area to be roofed or paved: 2.17 Acres
 - Area to be vegetatively stabilized: 1.81 Acres
 - Total Cut: 12,633 Cu.Yds.
 - Total Fill: 8333.87 Cu.Yds.
 Offsite waste/borrow area location: Contractor shall dispose of all spoil material at a site with an active grading permit.
- Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control/Inspector.
- On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- 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 (14 lbs/1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 - July 31, seed with 60 lbs/acre Kentucky 31 Tall Fescue per acre and 2 lbs/acre (0.5 lbs/1000 sq.ft.) of Weeping Lovegrass. During the period of October 15 - 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 weed-free, small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 28 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 bushels/acre of annual ryegrass (13.2 lbs/1000 sq.ft.). For the period May 1 - August 14, seed with 3 lbs/acre of Weeping Lovegrass (0.7 lbs/1000 sq.ft.). For the period November 15 - 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 28 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.

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 out and fill slopes. Where these requirements exist, they shall be followed. The plan must show existing and proposed contours of the areas 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:

- 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.
- Cut and fill slopes that are to be stabilized with grasses shall not be steeper than 2:1. (Where the slope is to be moved the slope should be no steeper than 3:1; 4:1 is preferred because of safety factors related to mowing steep slopes.) Slopes exceeding 2:1 shall require special design and stabilization considerations that shall be adequately shown on the plans.
- Reverse benches shall be provided whenever the vertical (height) of any 2:1 slope exceeds 20 feet; for 3:1 slope 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.

- Benches shall be a minimum of six feet wide to provide ease of maintenance.
- Benches shall be designed with a reverse slope of 6:1 or flatter to the top of the upper slope and with a minimum of one foot in depth. Bench gradient to the outlet shall be between 2 percent and 3 percent, unless accompanied by appropriate design and computations.
- The flow length within a bench shall not exceed 800' unless accompanied by appropriate design and computations. For flow channel stabilization see temporary swales.

21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

Definition

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

Purpose

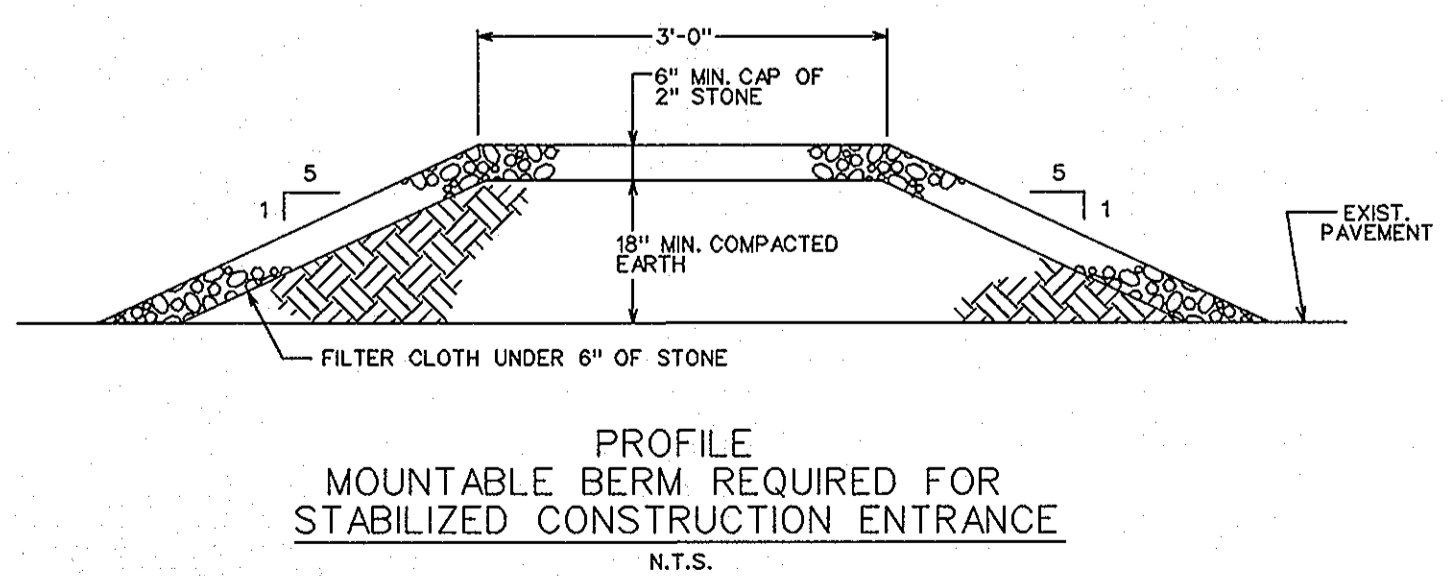
To provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

Conditions Where Practice Applies

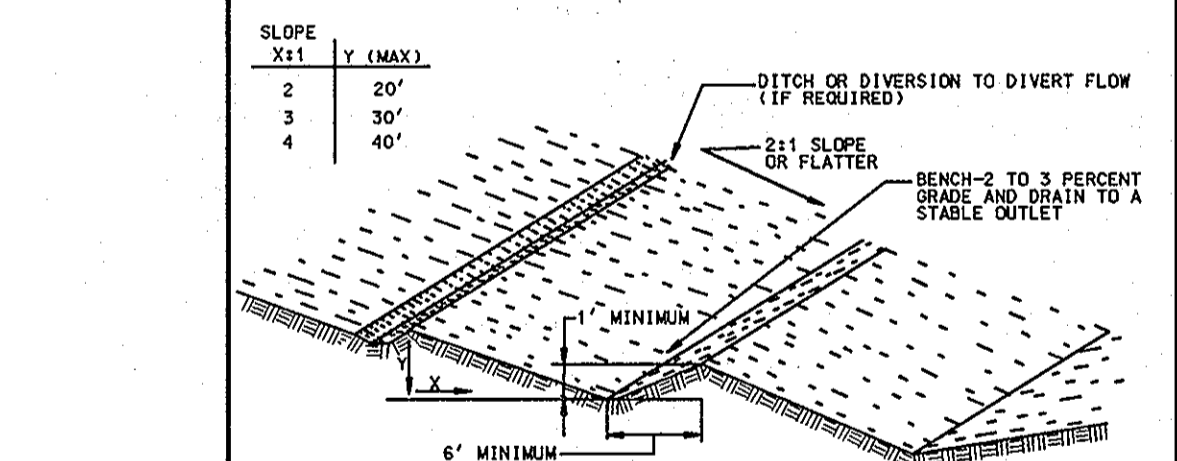
- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent materials not adequate to produce vegetative growth.
 - The soil materials so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
 - The soils so acidic that treatment with limestone is not feasible.
- 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

- 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-NRCS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, silt loam, dandy 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 textures subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, silt, roots, trash, or other materials larger than 1/2" in diameter.
 - Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutsedge, poison ivy, thistle, or others as specified.
 - Where the subsoil either highly acidic or composed of heavy clays, ground limestone shall be applied at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to 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.



Land Grading NOT TO SCALE



- 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.
- All fill shall be placed and compacted in layers not to exceed 6" in thickness.
- Except for approved landfills or nonstructural fills, fill material shall be free of brush, rubble, rocks, logs, stumps, building debris and other objectionable materials that would interfere with or prevent construction of satisfactory fills.
- Frozen material or soft, sticky or highly compressible materials shall not be incorporated into fill slopes or structural fills. Fill shall not be placed on a frozen foundation.
- All benches shall be kept free of sediment during all phases of development.
- Seeps or springs encountered during construction shall be handled in accordance with the Standard and Specification for Subsurface Drain or other approved methods.
- All graded areas shall be permanently stabilized immediately following finished grading.

Table 25-Permanent Seeding for Low Maintenance Areas

MX	SEED MIX (USE CERTIFIED MATERIAL IF AVAILABLE)	PLANTING LBS./AC.	LBS./1000 SQ.FT.	SITE CONDITIONS	USDA HARDNESS ZONES	RECOMMENDED PLANTING DATES										
						3/1-5/15	3/15-6/1	5/15-8/14	6/1-7/31	8/1-10/1	8/15-10/15					
SECOND CHOICE	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		
FIRST CHOICE	TALL FESCUE (85%), PERENNIAL RYEGRASS (10%), KENTUCKY BLUEGRASS (5%)	125	2.9	MOIST TO DRY	5b		X				X			C		
					6a		X					X				
					6b	X							X			
					7a	X								X		
THIRD CHOICE	RED FESCUE OR CHEWINGS FESCUE (80%), PERENNIAL RYEGRASS (20%)	60	.92	MOIST TO DRY	5b		X				X			D		
					6a		X					X				
					6b	X							X			
					7a	X								X		

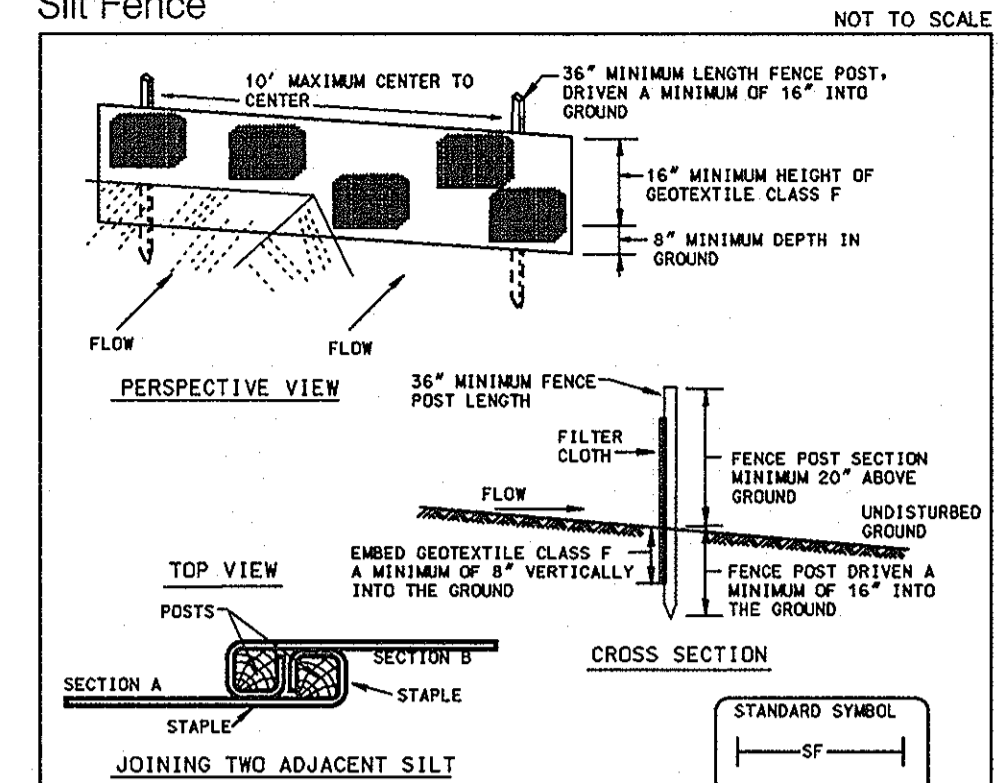
A - USED BY SHA ON SLOPED AREAS. ADD A LEGUME FOR SLOPES > 3:1.
 C - POPULAR MIX - PRODUCES PERMANENT GROUND COVER QUICKLY. BLUEGRASS THICKENS STAND.
 D - BEST USE ON SHADY SLOPES NOT ON POORLY DRAINED CLAYS.
 NOTE: PROJECT SITE IS LOCATED IN HARDNESS ZONE 6b.

Table 26-Temporary Seeding Rates, Depths, and Dates

SPECIES	MINIMUM SEEDING RATES** PER ACRE	LBS./1000 SQ.FT.	PLANTING DEPTH INCHES	HARDNESS ZONES** AND SEEDING DATES**								
				7a and 7b	6b	6a and 5b						
CHOOSE ONE:				2/1-4/30	5/1-8/14	8/15-11/30	3/1-5/15	5/1-8/14	8/15-11/30	3/1-5/15	5/1-8/14	8/15-11/30
BARLEY	2.5 BU (122lbs)	2.80	1-2	X	X	X	X	X	X	X	X	X
DAISY	3 BU (SR B3)	2.21	1-2	X	X	X	X	X	X	X	X	X
RYE**	2.5 BU (140lbs)	3.22	1-2	X	X	X	X	X	X	X	X	X
BARLEY OR RYE PLUS FOXTAIL, MILLET*	150 lbs	3.45	1	X	X	X	X	X	X	X	X	X
WEEDING LOVEGRASS**	4 lbs	.09	1/4-1/2	X	X	X	X	X	X	X	X	X
ANNUAL RYEGRASS	50 lbs	1.15	1/4-1/2	X	X	X	X	X	X	X	X	X
MILLET**	50 lbs	1.15	1/2	X	X	X	X	X	X	X	X	X

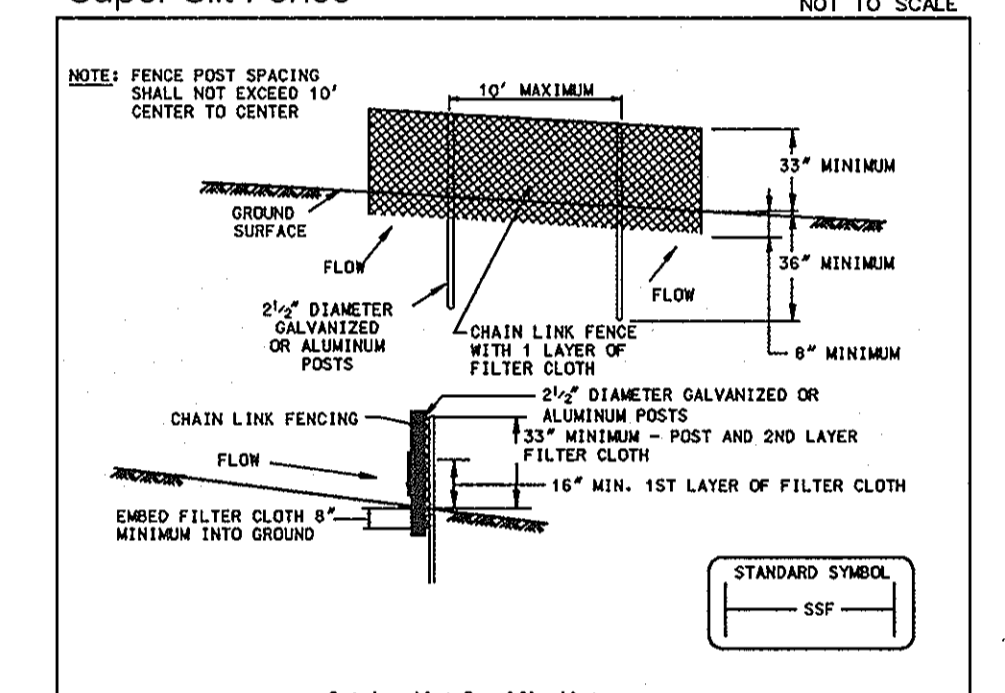
** APPLICABLE ON SLOPES OF 3:1 OR FLATTER
 ** REFER TO FIGURE A - ADOPTED FROM USDA, AHS MISCELLANEOUS PUBLICATION #475, JANUARY 1990
 ** BETWEEN FALL AND SPRING SEEDING DATES, USE MULCH ONLY IF GROUND IS FROZEN AND RESEED WHEN THAWED
 ** MAY BE USED AS A NURSE CROP FOR LATE FALL / EARLY WINTER PERMANENT SEEDINGS. ADD 56 LBS./AC. TO THE PERMANENT SEEDING MIXTURE
 ** MARYLAND STATE HIGHWAY ADMINISTRATION TEMPORARY SEED MIX
 ** MAY BE USED AS A NURSE CROP FOR MID-SUMMER PERMANENT SEEDINGS. ADD 2 LBS./AC. TO PERMANENT SEED MIX
 ** MAY BE USED AS A NURSE CROP FOR MID-SUMMER PERMANENT SEEDINGS. ADD 10 LBS./AC. TO THE PERMANENT SEEDING MIX.
 NOTE: PROJECT SITE IS LOCATED IN HARDNESS ZONE 6b.

Silt Fence NOT TO SCALE



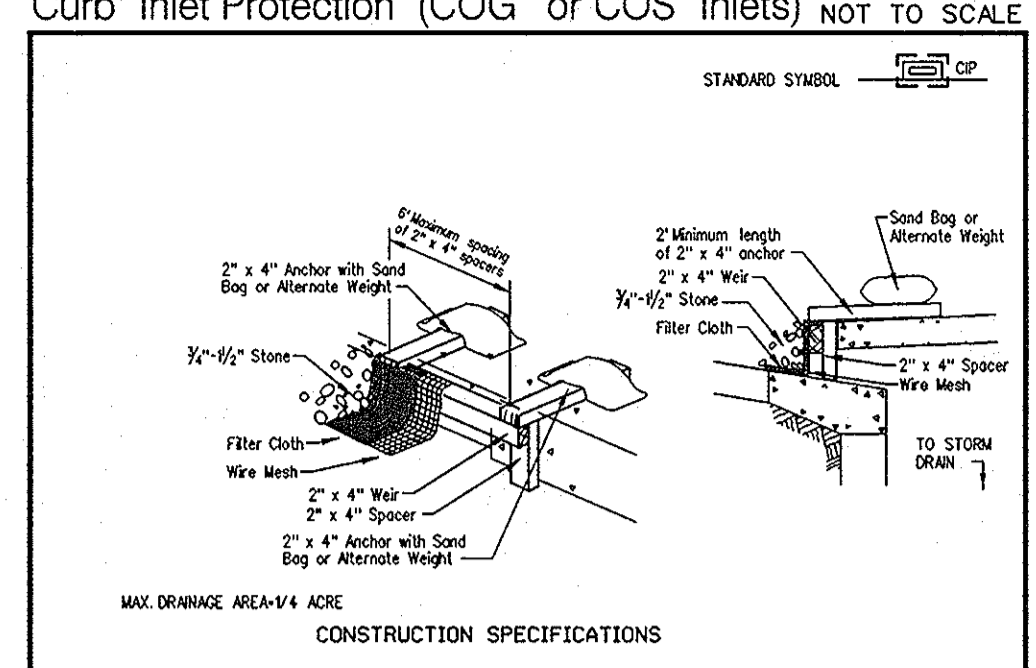
- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Posts shall be 1 1/2" x 1 1/2" square (minimum) or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1,000 pound per linear foot.
- 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.)
 - Tensile Modulus: 20 lbs/in (min.)
 - Flow Rate: 0.2 gal #/4" minute (max.)
 - Filtering Efficiency: 75% (min.)
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reaches 50% of the fabric height.

Super Silt Fence NOT TO SCALE



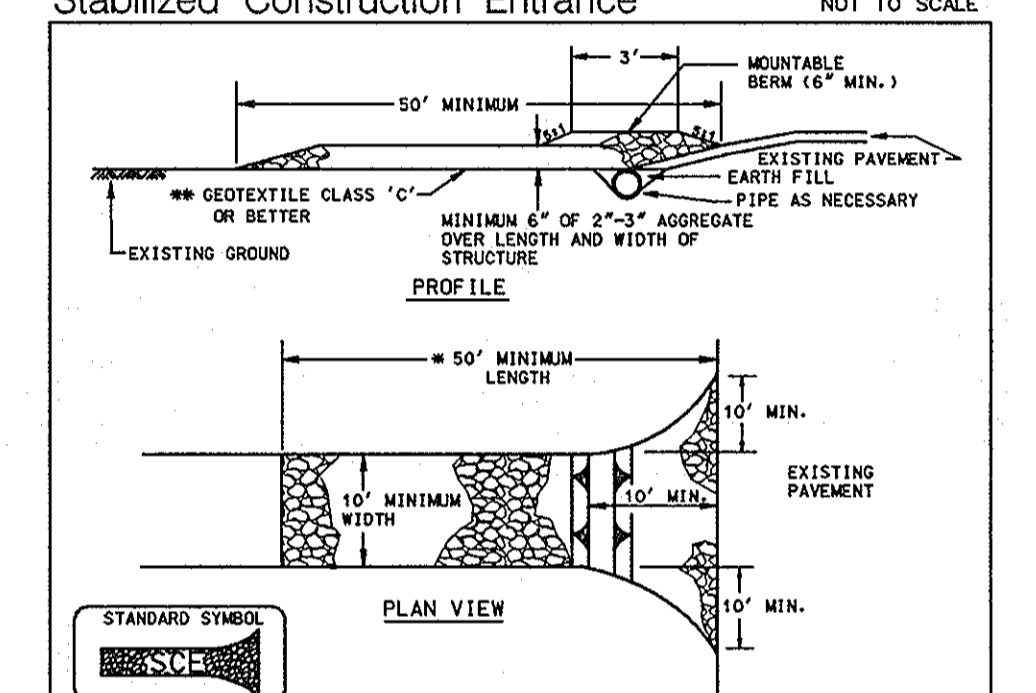
- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway (SHA) Details for Chain Link Fencing. The specifications for a 6 foot fence shall be used, substituting 42 inch fabric and 6 foot length posts.
- The posts do not need to be set in concrete, or staples.
- Chain link fence shall be fastened securely to the fence posts with wire ties, or staples.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 6" into the ground.
- When two sections of geotextile filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt buildup removed when "bulges" develop in the silt fence.

Curb Inlet Protection (COG or COS Inlets) NOT TO SCALE



- ATTACH A CONTINUOUS PIECE OF WIRE MESH (30" MIN. WIDTH BY THROAT LENGTH PLUS 4" BY THE WIRE MEASURING THROAT LENGTH PLUS 2") AS SHOWN ON THE STANDARD DRAWING.
- PLACE A CONTINUOUS PIECE OF GEOTEXTILE CLASS F THE SAME DIMENSIONS AS THE WIRE MESH OVER THE WIRE MESH AND SECURELY ATTACH IT TO THE 2" X 4" WIRE.
- SECURELY NAIL THE 2" X 4" WIRE TO A 9" LONG VERTICAL SPACER TO BE LOCATED BETWEEN THE WIRE AND THE INLET FACE (MAX. 4" APART).
- PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL (MINIMUM 2" LENGTHS OF 1/2" X 1/2" TO THE TOP OF THE WIRE AT SPACER LOCATIONS). THESE 2" X 4" ANCHORS SHALL EXTEND ACROSS THE INLET TOP AND BE HELD IN PLACE BY SANDBAGS OR ALTERNATE WEIGHT.
- THE ASSEMBLY SHALL BE PLACED SO THAT THE END SPACERS ARE A MINIMUM 1' BEYOND BOTH ENDS OF THE THROAT OPENING.
- FORM THE 1/2" X 1/2" WIRE MESH AND THE GEOTEXTILE FABRIC TO THE CONCRETE CURB AND AGAINST THE FACE OF CURB ON BOTH SIDES OF THE INLET. PLACE CLEAN 2" X 1/2" STONE OVER THE WIRE MESH AND GEOTEXTILE IN SUCH A MANNER AS TO PREVENT WATER FROM ENTERING THE INLET UNDER OR AROUND THE GEOTEXTILE.
- THIS TYPE OF PROTECTION MUST BE INSPECTED FREQUENTLY AND THE FILTER CLOTH AND STONE REPLACED WHEN CLOGGED WITH SEDIMENT.
- ASSURE THAT STORM FLOW DOES NOT BYPASS INLET BY INSTALLING A TEMPORARY EARTH OR ASPHALT DIKE TO DIRECT FLOW TO THE INLET.

Stabilized Construction Entrance NOT TO SCALE



- Length - minimum of 50' (40' for single residence lot).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. The plan approval authority may not require single family residences to use geotextile.
- 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.
- 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 mounded 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 site 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.
- 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.

DEVELOPER: EXTENDED STAY AMERICA
 65 MADISON AVENUE
 SUITE #340
 MORRISTOWN, NEW JERSEY 07960

STV Incorporated
 engineers / architects / planners / scientists / construction managers
 21 Governor's Court, Baltimore, MD 21244-2122 (410) 944-9112

ENGINEERS CERTIFICATE:

"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: **FRANKLIN L. GRABOWSKI**
 Date: **5-13-97**

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."

Signature of Developer: **IRA M. CLAYTON**
 Date: **5-14-97**

Review for HOWARD SCD and meets Technical Requirements.
 Signature: **John J. Simmons**
 Date: **5/29/97**
 Title: **USDA-Natural Resources Conservation Service**

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
 Signature: **John J. Simmons**
 Date: **5/29/97**
 Title: **HOWARD SCD**

APPROVED: DEPT. OF PLANNING AND ZONING

Signature: **John J. Simmons**
 Date: **5/29/97**
 Title: **Chief, Development Engineering Division**

Signature: **Andy Hamilton**
 Date: **5/29/97**
 Title: **Division of Land Development**

Signature: **John J. Simmons**
 Date: **5/29/97**
 Title: **Director**

Address Chart

Lot/Parcel: G-1
 Street Address: 8884 Columbia 100 Parkway
 Subdivision Name: Columbia 100 Office Research Park
 Section/Area: 1/2
 Parcel: O-1
 Plot No.: 12705
 Block No.: 12/18
 Zone: POR
 Tax/Zone: 30
 Elec. Dist.: 2nd
 Census Tract: 6023.02
 Water Code: G 02
 Sewer Code: 5657400

OWNER: EXTENDED STAY AMERICA
 8884 COLUMBIA 100 PARKWAY
 COLUMBIA, MD. 21045

EROSION AND SEDIMENT CONTROL NOTES & DETAILS

SHEET NO. 6 of 10
 SCALE: 1"=30'

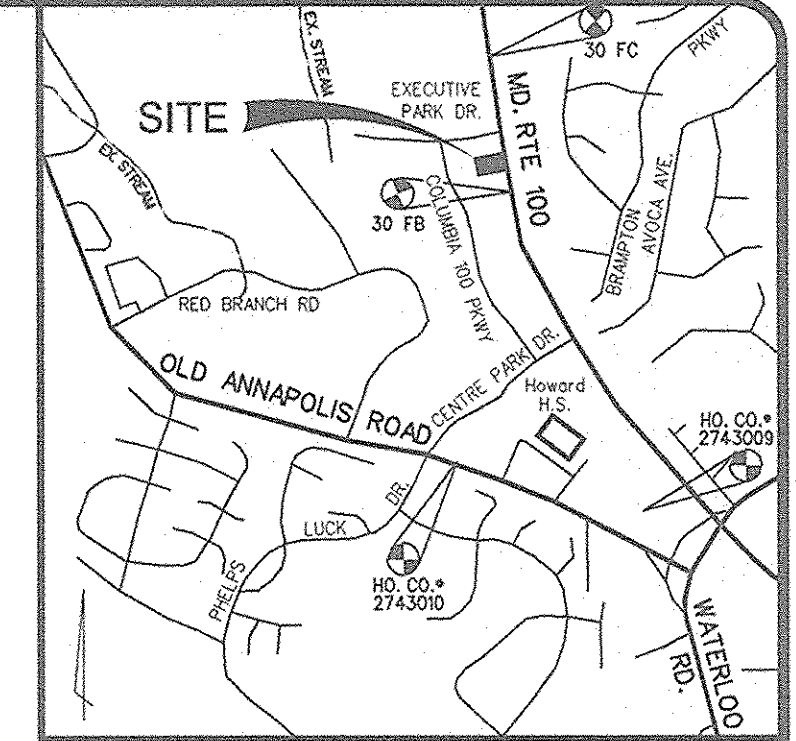
DATE: MARCH, 1997
 HOWARD COUNTY, MD.
 2nd ELECTION DISTRICT



NOTE:
REFER TO SHEET 8 OF 10
FOR PLANTING DETAILS

LEGEND:

- PROPOSED TREE
- PROPOSED ORNAMENTAL/ FLOWERING TREE
- PROPOSED SHRUB
- PROPOSED GROUNDCOVER
- PROPOSED EVERGREEN TREE
- PERENNIAL GRASS (SEE PLANT SCHEDULE)



PLANT SCHEDULE

KEY	QTY.	BOTANICAL/COMMON NAME	SIZE	ROOT	REMARKS
TREES					
AR	12	ACER RUBRUM 'RED SUNSET' / RED SUNSET MAPLE	2-2 1/2" CAL.	B&B	CONSISTENT HT. & FORM
ZS	9	ZELKOVA SERRATA VILLAGE GREEN / VILLAGE GREEN ZELKOVA	2-2 1/2" CAL.	B&B	CONSISTENT HT. & FORM
ORNAMENTAL / FLOWERING TREE					
CC	1	CERCIS CANADENSIS / EASTERN REDBUD	6-8'	B&B	
PS	3	PINUS STROBUS / WHITE PINE	6-8'	B&B	
SHRUBS					
PL	109	PRUNUS LAUROCERASUS 'SCHIPPAENSIS' / SHIP LAUREL	24-36"	B&B	
PO	79	PRUNUS LAUROLERASUS 'OTTO LUYKEN' / OTTO LUYKEN LAUREL	24-36"	CONT.	
VC	13	VIBURNUM CARLESSII / KOREANSPICE VIBURNUM	24-36"	B&B	
ND	116	NANDINA DOMESTICA 'HARBOR DWARF' / HARBOR DWARF NANDINA	18-24"	CONT.	
AG	12	AZALEA 'GUMPO WHITE' / GUMPO WHITE AZALEA	18-24"	CONT.	
CS	30	CORNUS SERICEA 'BAILEY' / RED TIG BOWDOEN	2-3'	CONT.	
IM	6	ILEX X MASERVAE 'BLUE PRINCESS' / BLUE PRINCESS HOLLY	2 1/2'-3'	B&B	
IMB	1	ILEX X MASERVAE 'BLUE PRINCE' / BLUE PRINCE HOLLY	2 1/2'-3'	B&B	
GROUNDCOVER					
LM	500	LIRIOPE MUSCAR 'VARIEGATA' / VARIEGATED LIRIOPE	1 GAL.	CONT.	6" O.C.
PERENNIAL GRASS PLANTING					
PENNGIFT CROWNETCH-INOTAL PER MANUFACTURERS RECOMMENDATIONS					

SCHEDULE A PERIMETER LANDSCAPE EDGE

CATEGORY	ADJACENT TO ROADWAYS
LANDSCAPE TYPE	E
LINEAR FEET OF ROADWAY FRONTAGE / PERIMETER	325
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	N/A
CREDIT FOR WALL, FENCE OR BEAM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	N/A
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	8,12 0 81,25
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION) SHRUBS (2:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	9 0 83

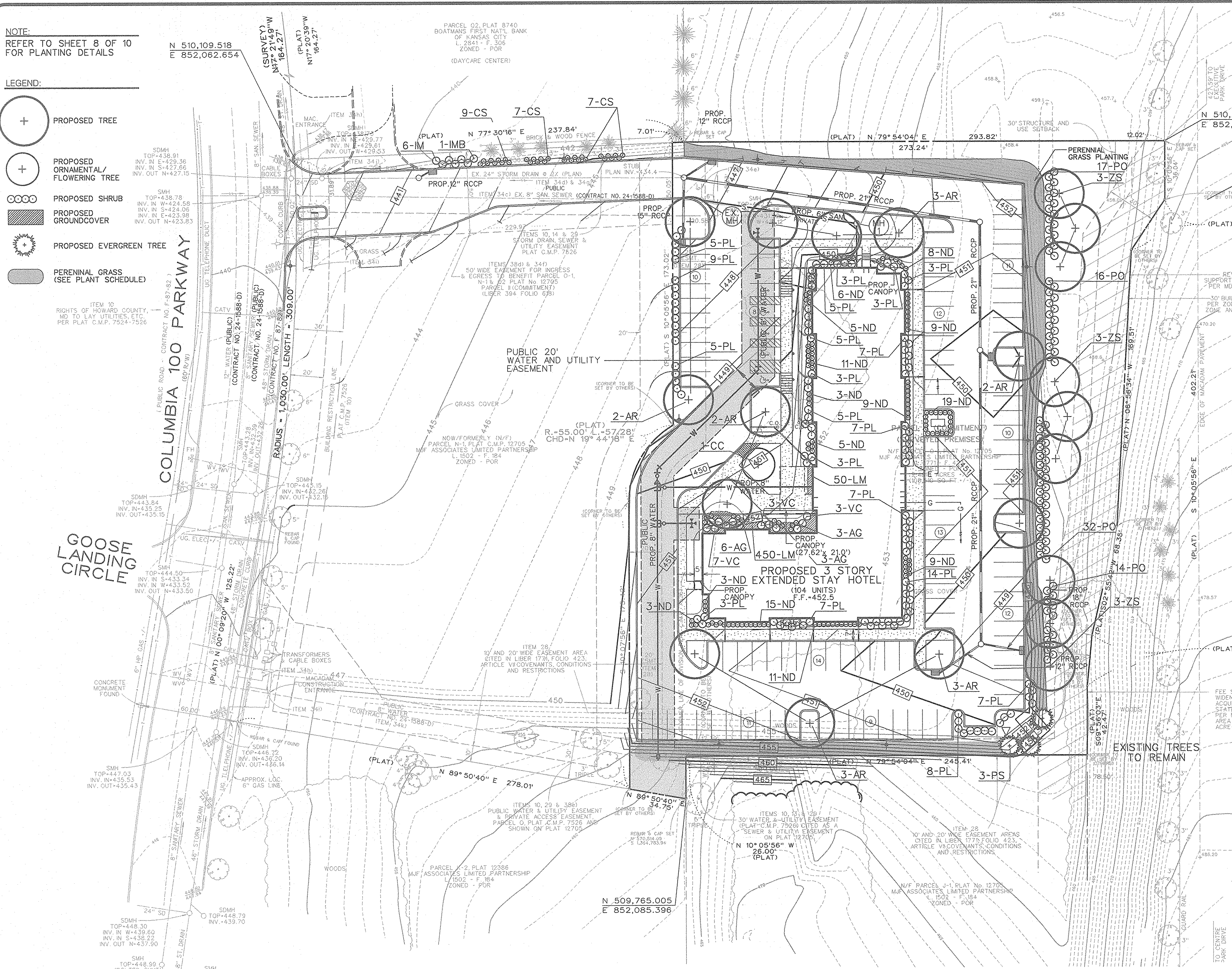
SCHEDULE B PARKING LOT INTERNAL LANDSCAPING

NUMBER OF PARKING SPACES	110
NUMBER OF TREES REQUIRED	5.5
NUMBER OF TREES PROVIDED SHADE TREES OTHER TREES (2:1 SUBSTITUTION)	7
NUMBER OF LANDSCAPED ISLANDS REQUIRED NUMBER OF LANDSCAPED ISLANDS PROVIDED (EQUAL PART 50% SHADE AND 50% OTHER)	6



GENERAL NOTES:

- 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".
- 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.
- 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.
- NO SUBSTITUTIONS SHALL BE MADE WITHOUT THE APPROVAL OF THE LANDSCAPE ARCHITECT.
- ALL AREAS NOT STABILIZED IN PAVING OR PLANT MATERIALS SHALL BE SOODED.
- 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.
- 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.
- 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.
- ALL LIGHTING IS TO BE DIRECTED DOWNWARD AND AWAY FROM THE RIGHT-OF-WAY OR RESIDENTIALLY ZONED PROPERTY.



DEVELOPER:
EXTENDED STAY AMERICA
65 MADISON AVENUE
SUITE #340
MORRISTOWN, NEW JERSEY 07960

STV Incorporated
engineers / architects / planners / scientists / construction managers
21 Governor's Court Baltimore, MD 21241-0722 (410) 944-9112

ENGINEERS CERTIFICATE:
"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: *Pravica G Grabowski*
Date: 5-13-97

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."

Signature of Developer: *IRA M. CLIFFORD*
Date: 5-14-97

Review for HOWARD SCD and meets Technical Requirements.

USDA-Natural Resources Conservation Service
Date: _____

This development plan is approved for soil erosion and sediment control by the HOWARD SOIL CONSERVATION DISTRICT.
Howard SCD Date: _____

APPROVED: DEPT. OF PLANNING AND ZONING
Chief, Development Engineering Division
Candy Hamilton
Director of Land Development
Date: 6/19/97

Rev./Date Description
4/8/97 PER HO. CO. SDP AND OWNER COMMENTS
5/12/97 PER HO. CO. SDP COMMENTS

Address Chart
Lot/Parcel: 0-1
Street Address: 8884 Columbia 100 Parkway
Subdivision Name: Columbia 100 Office Research Park
Section/Area: 1 / 2
Parcel: 0-1
Plot No.: 12705
Block No.: 12/18
Zone: POR
Tax/Zone Map: 30
Elec. Dist.: 2nd
Census Tract: 6023.02
Water Code: G 02
Sewer Code: 5657400

OWNER:
EXTENDED STAY AMERICA
65 MADISON AVENUE
SUITE # 340
MORRISTOWN, NEW JERSEY 07960

EXTENDED STAY AMERICA
8884 COLUMBIA 100 PARKWAY COLUMBIA, MD. 21045

LANDSCAPE PLAN
SHEET NO. 9 of 10
DATE: MARCH, 1997
HOWARD COUNTY, MD.
2nd ELECTION DISTRICT
SCALE: 1"=30'
SDP-97-92

FILE: H:\Projects\14345\101698.dgn
DATE: 13-May-97 12:18

