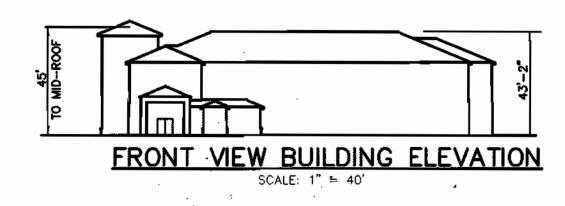
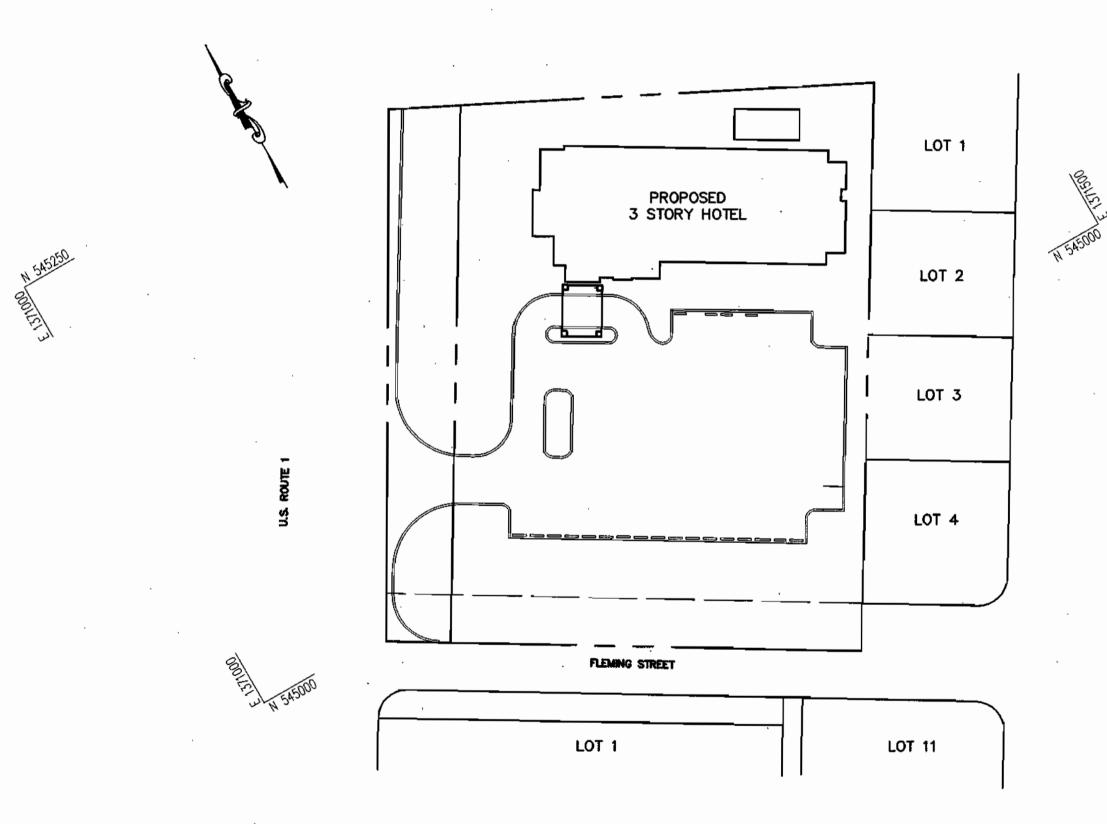
SITE DEVELOPMENT PLAN PARCHI, 495 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- 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.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK BEING DONE.
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH MAXIMUM TWO FOOT CONTOUR INTERVALS PREPARED BY PHR&A DATED AUGUST 2001.
- 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. 43G6 AND 43EB WERE USED FOR THIS PROJECT.
- WATER IS PUBLIC. CONTRACT NO. 76W
- SEWER IS PUBLIC. SEWER DRAINAGE AREA: DORSEY CONTRACT NO. 676-S
- THE STORMWATER MANAGEMENT FOR THIS DEVELOPMENT IS PROVIDED BY A PRIVATELY MAINTAINED UNDERGROUND DETENTION SYSTEM AND BIORETENTION BMP.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED DUE TO CONTRACTOR'S OPERATION SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE. EXISTING UTILITIES ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION.
- THE 100-YEAR FLOODPLAIN STUDY IS NOT REQUIRED FOR THIS PROJECT.
- 13. THERE ARE NO WETLANDS WITHIN THE PROPERTY.
- 14. THE TRAFFIC STUDY WAS PREPARED BY MARS GROUP, DATED AUGUST 2002.
- THE GEOTECHNICAL STUDY FOR STORMWATER MANAGEMENT FOR THIS PROJECT WAS PREPARED BY GEOTECH ENGINEERS, INC. DATED AUGUST 2002.
- THE BOUNDARY SURVEY FOR THIS PROJECT WAS PREPARED BY PHR&A
- DATED FEBRUARY 2002. 17. SUBJECT PROPERTY ZONED M-2 PER 10-18-93 COMPREHENSIVE ZONING PLAN.
- 18. ALL ELEVATIONS SHOWN ARE BASED ON THE U.S.C. AND G.S. MEAN SEA LEVEL DATUM, 1929.
- SEE DEPARTMENT OF PLANNING AND ZONING FILE NO'S. BA CASE NO.01-68V, SDP-81-171
- THE CONTRACTOR SHALL VERIFY EXISTING UTILITIES AT LEAST FIVE DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6"
- OF FINISHED GRADE. 23. ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- 24. ALL PIPE ELEVATIONS SHOWN ARE INVERT CELEVATIONS.
- STORM DRAIN TRENCHES WITHIN ROAD RIGHT OF WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, i.e., STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, LATEST AMENDMENTS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO 799.
- BA CASE NO. 01-68V VARIANCE TO REDUCE THE 50 FOOT SETBACK FROM AN EXTERNAL PUBLIC STREET RIGHT OF WAY TO 38 FEET, WAS APPROVED ON APRIL 18, 2002. APPROVAL WAS GRANTED
 - 1. THE VARIANCE SHALL APPLY ONLY TO THE PROPOSED MOTEL BUILDING AS DESCRIBED IN THE PETITION AND AS DEPICTED ON THE VARIANCE PLAN FOR "SLEEP INN - JESSUP" SUBMITTED ON FEBRUARY 28, 2002, AND NOT TO ANY OTHER ACTIVITIES, USES, OR STRUCTURES ON THE PROPERTY. 2. THE PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE, AND COUNTY LAWS AND
- THE HOWARD COUNTY FOREST CONSERVATION OBLIGATION OF 0.04 AC FOR THE CURRENT SITE DEVELOPMENT PLAN HAS BEEN SATISFIED BY PAYING A FEE-IN-LIEU OF \$871.20 TO THE HOWARD COUNTY FOREST CONSERVATION FUND. (* AFFORESTATION)
- ALL OUTDOOR LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF ZONING SECTION 134.

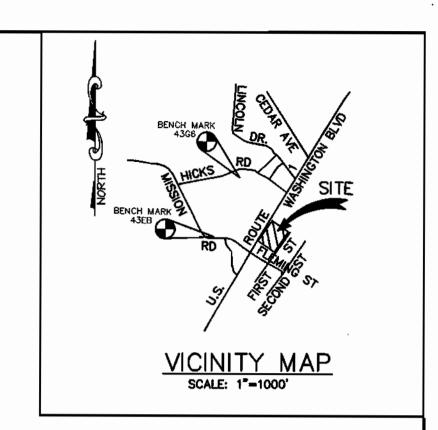




BENCH MARK

CONTROL STATION 43G6 ELEVATION 220.11 N 544,117,545 E 1.370.550.825 LOCATED NEAR THE ENTRANCE TO TRAILER PARK, 68.8' SOUTH OF FIRE HYDRANT

CONTROL STATION 43EB ELEVATION 216.99 N 545,963.658 E 1,371,573.830 LOCATED 78' NORTH OF HICKS ROAD



SITE TABULATION

AREA OF PARCEL 495 1.64 ACRES

LIMIT OF DISTURBED AREA 1.7 ACRES

M-2

PRESENT ZONING PROPOSED USE

ADDRESS CHART

SEWER CODE

M-2

STREET ADDRESS

8145 WASHINGTON BLVD.

495

ELECT. DIST. CENSUS TRA

3260000

PARCEL NUMBER

PARCEL 495

SLEEP INN

SUBDIVISION NAME

1846/297

LIBER/FOLIO

WATER CODE

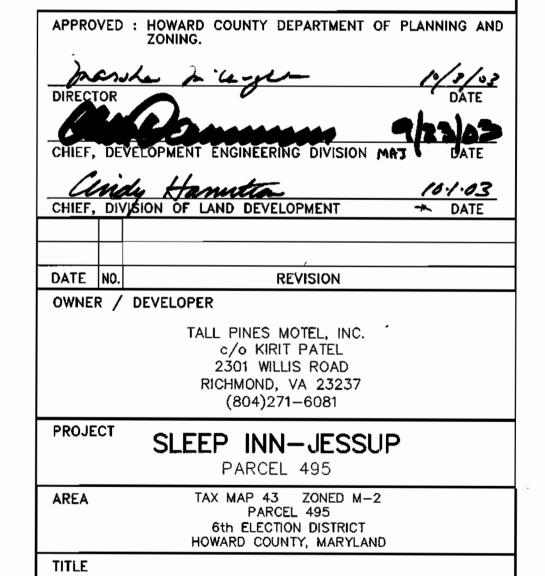
3 STORY HOTEL 54 ROOMS

PARKING SPACES REQUIRED 1 SPACE PER GUEST ROOM

54 SPACES

PARKING SPACES PROVIDED

54 SPACES (INCLUDES 4 HC SPACES)



TITLE SHEET Patton Harris Rust & Associates, pc

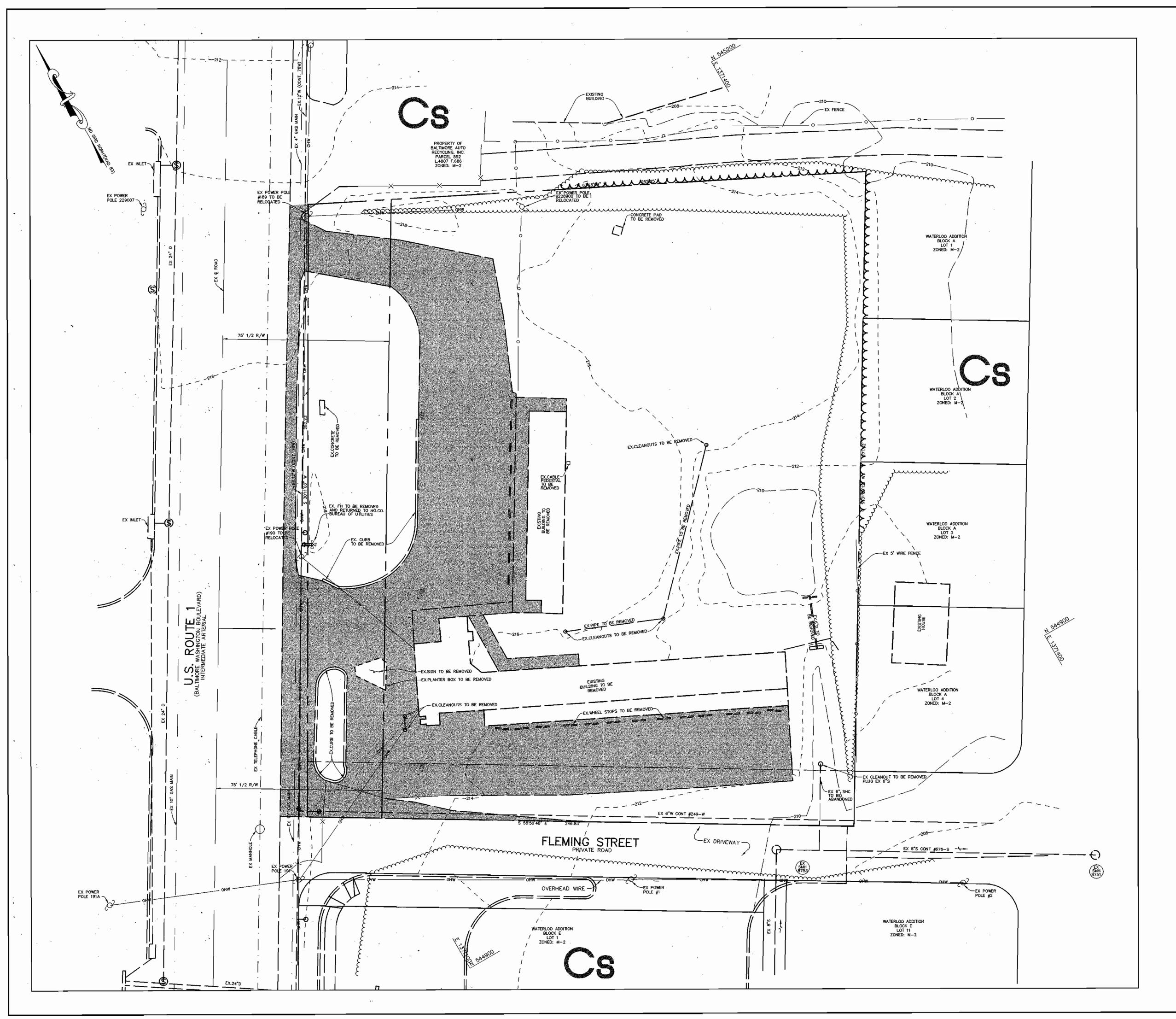
T 410.997.8900 F 410.997.9282

CHRISTOPHER J. REID #19949

DESIGNED BY : C.J.R. DRAWN BY: DAM PROJECT NO :01046/ C000COV.DWG DATE : APRIL 2, 2003

DRAWING NO. _ 1 _ 0F _ 12 SDP-03-22

Engineers. Surveyors. Planners. Landscape Architects. 8818 Centre Park Drive Columbia, MD 21045 SCALE : AS SHOWN



NOTES:

1. PAVEMENT TO BE REMOVED

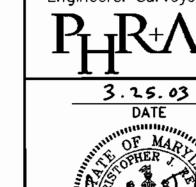
2. SOIL Cs - COMUS SILT LOAM

LEGEND

EXISTING 2'CONTOUR EXISTING 10'CONTOUR PROPERTY LINE AND RIGHT OF WAY EASEMENT **FENCE** GUARDRAIL OVERHEAD WIRES .~~~~~. EXISTING TREELINE

APPRO	VED	: HOWARD COUNTY DEPARTMENT OF PLANNING AN ZONING.
h	برو	L 2. le 4/1
DIRECT	OR	DATE
1		Wassesser 9 23 0
CHIEF,	DE'	VELOPMENT ENGINEERING DIVISION MAJ DATE
<u> </u>	no	ly Hamilton 101.03
CHIEF,	DIV	ISION OF LAND DEVELOPMENT - DATE
	\vdash	
DATE	NO.	REVISION
OWNE	R /	DEVELOPER
		TALL PINES MOTEL, INC.
		c/o KIRIT PATEL 2301 WILLIS ROAD
		RICHMOND, VA 23237
		(804)271–6081
PROJE	CT.	SLEEP INN-JESSUP
		PARCEL 495
		TAX MAP 43 ZONED M-2
ΔRFΔ		
AREA		PARCEL 495
AREA		PARCEL 495 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND
AREA TITLE		6th ELECTION DISTRICT

Patton Harris Rust & Associates,pc Engineers. Surveyors. Planners. Landscape Architects. 8818 Centre Park Drive Columbia, MD 21045 T 410.997.8900



F 410.997.9282

DESIGNED BY : C.J.R.

PROJECT NO :01046/ C300DEM.DWG

DRAWN BY: DAM

DATE: APRIL 2, 2003 SCALE : 1" = 20'

DRAWING NO. 2 OF 12 CHRISTOPHER J. REID #19949

NOTES:

- 1. ALL RADII ARE 5' UNLESS OTHERWISE NOTED.
- 2. ALL DIMENSIONS ARE TO FACE OF CURB OR BUILDING UNLESS OTHERWISE NOTED.
- 2. ALL ON-SITE ROADS ARE PRIVATE.
- 4. ALL LIGHTING IS TO BE DIRECTED/REFLECTED AWAY FROM ADJACENT PUBLIC ROADS AND RESIDENTIALLY ZONED PROPERTIES, AND BE IN ACCORDANCE WITH SECTION 134 OF THE HOWARD COUNTY ZONING REGULATIONS.
- 5. * STD/REV STANDARD TO REVERSE CURB TRANSITION.
- P-2 PAVING
- 7. MSHA PAVING
- 8. CONCRETE
- PAVING OVERLAY
- 10. SOIL Cs COMUS SILT LOAM
- 11. POLE MOUNTED SHOE BOX TYPE III DISTRIBUTION 208V, 400W MH, 25' x 4" SQUARE STEEL POLE, SPAULDING CM-M400-VS.
- ALL DEBRIS IS TO BE KEPT OUT OF THE UNDERGROUND STORMWATER MANAGEMENT FACILITY DURING AND AFTER CONSTRUCTION.

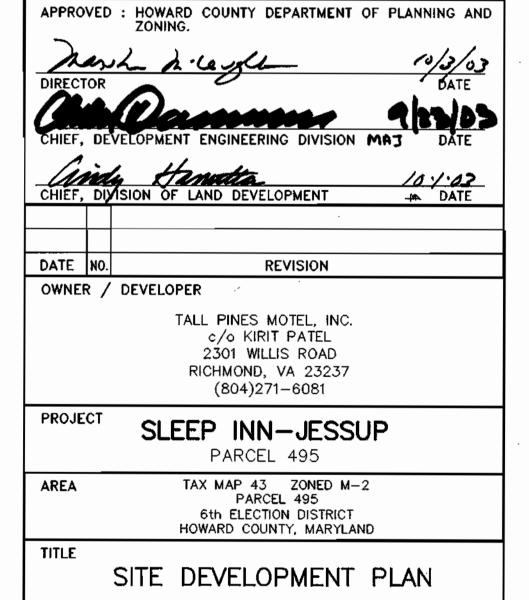
LEGEND

EXISTING 2'CONTOUR	
EXISTING 10'CONTOUR	
PROPÓSED 2'CONTOUR	298
PROPOSED 10'CONTOUR	300
PROPERTY LINE AND RIGHT OF WAY	
EASEMENT	
FENCE	x x
GUARDRAIL	
STORM DRAIN	15"D
OVERHEAD WIRES	——OH———
EXISTING TREELINE	.~~~~~.
PROPOSED TREELINE	.~~~~~.
TEMPORARY BARRIER	••••••

SWM SUMMARY

CRITERIA	REQUIRED	COMMENTS
Rev	0.021 AC-FT	IN GRAVEL RESERVOIR UNDER BIORETENTION
WQv	0.06 AC-FT *	BIORETENTION
Срч	0.14 AC-FT	UNDERGROUND 48" PIPES
O2 & O4	N/A	

* WQv = 0.08 - Rev = 0.06 AC-FT



Patton Harris Rust & Associates,pc

Engineers. Surveyors. Planners. Landscape Architects. 8818 Centre Park Drive

Columbia, MD 21045 **T** 410.997.8900 F 410.997.9282

DESIGNED BY : C.J.R.

DATE: APRIL 2, 2003

PROJECT NO :01046/ C400SIT.DWG

DRAWN BY: DAM



SCALE: 1" = 20'DRAWING NO. 3 OF 12 CHRISTOPHER J. REID #19949



STABLIZED CONSTRUCTION ENTRANCE

LIMIT OF DISTURBANCE

SUPER SILT FENCE

DRAINAGE AREA DIVIDE

SSF-

INLET	DRA I NAGE AREA	'C' FACTOR	% IMP
I – 1	1.04 AC.	0.39	29
I-2	0.08 AC.	0.27	12.5

BY THE DEVELOPER :

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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

CUL 3.25.03 DEVELOPER KIRIT PATEL DATE

BY THE ENGINEER :

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.

ENGINEER

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

3.25.03

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

CHIEF, DIVISION OF LAND DEVELOPMENT 10 ·1·02

DATE NO. REVISION

OWNER / DEVELOPER TALL PINES MOTEL, INC. c/o KIRIT PATEL 2301 WILLIS ROAD

RICHMOND, VA 23237 (804)271-6081

SLEEP INN-JESSUP PARCEL 495

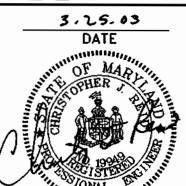
TAX MAP 43 ZONED M-2
PARCEL 495
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

GRADING AND SEDIMENT CONTROL PLAN

Patton Harris Rust & Associates, pc Engineers. Surveyors. Planners. Landscape Architects. 8818 Centre Park Prive Columbia, MD 21045

T 410.997.8900

F 410.997.9282



DESIGNED BY :	C.J.R.
DRAWN BY: DA	
PROJECT NO :0	1046/ 200ESC.DWG
DATE : APRIL 2	

SCALE : 1" = 20' DRAWING NO. 4 OF 12 CHRISTOPHER J. REID #19949

PLACEMENT OF TOPSOIL OVER A PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION.

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. . THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.

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 USED 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 EXPERIMENTATION STATION.

II. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:

. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE,

I. 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 11" IN DIAMETER.

IL TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.

III. WHERE SUBSOIL IS 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 DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.

II. FOR SITES HAVING DISTURBED AREAS UNDER 5 ACRES: I. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - BSECTION I - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

III. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:

DISSIPATION OF PHYTO-TOXIC MATERIALS.

DETAIL 33 - SUPER SILT FENCE

WITH 1 LAYER OF

Construction Specifications

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

The lower tension wire, brace and truss rods, drive anchors and post caps are not required except on the ends of the fence. The chain link fencing shall be six (6) gauge or heavie

4. Filter cloth shall be fastened securely to the chain link fence with ties spaced

6. When two sections of geotextile fabric adjoin each other, they shall be overlapped

7. Maintenance shall be performed as needed and silt buildups removed when "bulges"

. 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" fabric and 6 foot length posts.

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

develop in the silt fence, or when silt reaches 50% of fence height

The posts do not need to be set in concrete.

NOTE: FENCE POST SPACING

SHALL NOT EXCEED 10' CENTER TO CENTER

SIX (6) GAUGE OR HEAVIER

GEOTEXTILE CLASS A FLOW FILTER CLOTH-

LAY FILTER IN BOTTOM OF 24" MIN. WIDE TRENCH ---

CHAIN LINK FENCING-

EMBED FILTER CLOTH 8"____

every 24" at the top and mid section.

U.S. DEPARTMENT OF AGRICULTURE

OR ALUMINUM

1. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING: A. PH FOR TOPSOIL SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A PH OF LESS

THAN 6.0, SUFFICIENT LIME SHALL BE PRESCRIBED TO RAISE THE PH TO 6.5 OR HIGHER. 3. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED. D. NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT

NOTE: TOPSOIL SUBSTITUTES TO AMENDMENTS, AS RECOMMENDED BY A QUALIFIED AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY MAY BE USED IN LIEU OF NATURAL TOPSOIL.

II. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN <u>20.0 VEGETATIVE</u> STABILIZATION — BSECTION I — VEGETATIVE STABILIZATION METHODS AND MATERIALS.

V. TOPSOIL APPLICATION

I. WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.

II. GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBEIT 4" - 8" HIGHER IN ELEVATION.

III. TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" - 8" LAYER AND LIGHTLY COMPACTED TO A MINIMUM THICKNESS OF 4". SPREADING SHALL BE PERFORMED IN SUCH A MANNER THAT SODDING OR SEEDING CAN PROCEED WITH A MINIMUM OF ADDITIONAL SOIL PREPARATION AND TILLAGE, ANY IRREGULARITIES IN THE SURFACE RESULTING FROM TOPSOILING OR OTHER OPERATIONS SHALL BE CORRECTED IN ORDER TO PREVENT THE FORMATION OF DEPRESSIONS OR WATER POCKETS.

IV. TOPSOIL SHALL NOT BE PLACED WHILE THE TOPSOIL OR 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 PRESCRIBE AMENDMENTS AND FOR SITE HAVING DISTURBED AREAS 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.

COMPOSTED SLUDGE SHALL BE APPLIED AT A RATE OF 1 TON/1,000 SQUARE FEET. D. 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.

STANDARD SYMBOL

MARYLAND DEPARTMENT OF ENVIRONMENT

TEMPORARY SEEDING NOTES

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

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY

SOIL AMENDMENTS: APPLY 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS. PER 1000 SQ.FT.).

<u> SEEDING : FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU</u> NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS PER 1000 SQ.FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (0.07 LBS. PER 1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS. PER 1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHÓR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL. PER ACRE (5 GAL. PER 1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 347 GAL. PER ACRE (8 GAL. PER 1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.

SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING. DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.

<u> SOIL AMENDMENTS : IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF</u> THE FOLLOWING SCHEDULES:

1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS. PER 1000 SQ.FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS. PER 1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS. PER 1000 SQ.FT.).

2) ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS. PER 1000 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS. PER 1000 SQ,FT.) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.

<u>SEEDING: FOR THE PERIOD MARCH 1 THRU APRIL 30 AND FROM AUGUST 1</u> THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE (1.4 LBS. PER 1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (0.05 LBS. PER 1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY ONE OF THE FOLLOWING SNOTEGO

1) 2 TONS PER ACRE OF WELL-ANCHORED MULCH STRAW AND SEED AS SOON AS POSSIBLE IN THE SPRING.

USE SOD.

GRAVEL, MOIST

GRAVEL, MOIST

ISTING PAVEMENT

- EARTH FIL

---- PIPE AS NECESSAR

PAVEMEN

MARYLAND DEPARTMENT OF ENVIRONMENT

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

STRUCTURE

LENGTH

Construction Specification

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

. Geotextile fabric (filter cloth) shall be placed over the existing ground prior

to placing stone. **The plan approval authority may not require single family

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

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 ha

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

where construction traffic enters or leaves a construction site. Vehicles leaving

the site must travel over the entire length of the stabilized construction entrance

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

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

PROFILE

MINIMUM 6" OF 2"-3" AGGREGATE

OVER LENGTH AND WIDTH OF

** GEOTEXTILE CLASS 'C'~

OR BETTER

residences to use geotextile

U.S. DEPARTMENT OF AGRICULTURE

BROWN SANDY LEAN CLAY, TRACE

BROWN SANDY LEAN CLAY, TRACE

GRAY SILTY SAND, MOIST

3) SEED WITH 60 LBS. PER ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE WELL ANCHORED STRAW.

MULCHING : APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS. PER 1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL. PER ACRE (5 GAL. PER 1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 347 GAL. PER ACRE (8 GAL. PER 1000 SQ.FT.) FOR ANCHORING.

MAINTENANCE: INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS. REPLACEMENTS AND RESEEDINGS.

BROWN SANDY LEAN CLAY, MOIST ROWN SANDY LEAN CLAY, MOIST IGHT BROWN SANDY SILT, WET

BORING SWM-2

30.0 - DUST CONTROL

<u>DEFINITION</u>

TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON AND

CONDITIONS WHERE PRACTICE APPLIES

SPECIFICATIONS

MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY, MULCH SHOULD BE CRIMPED OR TACKED TO PREVENT BLOWING.

EMERGENCY MEASURE WHICH SHOULD BE USED BEFORE SOIL BLOWING STARTS. BEGIN PLOWING ON WINDWARD SIDE OF SITE. CHISEL-TYPE PLOWS SPACED ABOUT 12" APART, SPRING-TOOTHED HARROWS, AND SIMILIAR PLOWS ARE EXAMPLES OF EQUIPMENT

4. IRRIGATION — THIS IS GENERALLY DONE AS AN EMERGENGY TREATMENT. SITE IS SPRINKLED WITH WATER UNTIL THE SURFACE IS MOIST. REPEAT AS NEEDED. AT NO TIME SHOULD THE SITE BE IRRIGATED TO THE POINT THAT RUNOFF BEGINS TO FLOW.

5. BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILLAR MATERIAL CAN BE USED TO CONTROL AIR CURRENTS AND SOIL BLOWING. BARRIERS PLACED AT RIGHT ANGLES TO PREVAILING CURRENTS AT INTERVALS OF ABOUT 10 TIMES THEIR HEIGHT ARE EFFECTIVE IN CONTROLLING

PERMANENT VEGETATION - SEE STANDARDS FOR PERMANENT VEGETATIVE COVER, AND PERMANENT STABILIZATION WITH SOD. EXISTING TREES OR LARGE SHRUBS MAY AFFORD VALUABLE. PROTECTION IF LEFT IN PLACE.

2. TOPSOILING - COVERING WITH LESS EROSIVE SOIL MATERIALS. SEE STANDARDS FOR

AGRICULTURE HANDBOOK 346. WIND EROSION FORCES IN THE UNITED STATES AND THEIR USES IN PREDICTING SOIL LOSS.

2. AGRICULTURE INFORMATION BULLETIN 354. HOW TO CONTROL WIND EROSION, USDA-ARS.

MARYLAND DEPARTMENT OF ENVIRONMENT

3. STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

6. CALCIUM CHLORIDE - APPLY AT RATES THAT WILL KEEP SURFACE MOIST, MAY

2. VEGATATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER. 3. TILLAGE - TO ROUGHEN SURFACE AND BRING CLODS TO THE SURFACE. THIS IS AN

THIS PRACTICE IS APPLICABLE TO AREAS SUBJECT TO DUST BLOWING AND MOVEMENT WHERE ON OFF-SITE DAMAGE IS LIKELY WITHOUT TREATMENT.

CONTROLLING DUST BLOWING AND MOVEMENT ON CONSTRUCTION SITES AND ROADS.

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 THE 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 ALONE SHALL ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHED 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.

1.64 ACRES

1.7 ACRES

.86 ACRES

.84 ACRES

100 CU. YARDS

3100 CU. YARDS

7. SITE ANALYSIS:

TOTAL AREA OF SITE AREA DISTURBED AREA TO BE ROOFED OR PAVED AREA TO BE VEGETATIVELY STABILIZED TOTAL CUT

TOTAL FILL OFFSITE WASTE AREA LOCATION TO HAVE ACTIVE GRADING PERMIT

8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF

9. ADDITIONAL SEDIMENT CONTROLS 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.

12. SITE GRADING WILL BEGIN ONLY AFTER ALL PERIMETER SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED AND ARE IN A FUNCTIONING CONDITION.

13. SEDIMENT WILL BE REMOVED FROM TRAPS WHEN ITS DEPTH REACHES CLEAN OUT ELEVATION SHOWN ON THE PLANS.

14. CUT AND FILL QUANTITIES PROVIDED UNDER SITE ANALYSIS DO NOT REPRESENT BID QUANTITIES. THESE QUANTITIES DO NOT DISTINGUISH BETWEEN TOPSOIL, STRUCTURAL FILL OR EMBANKMENT MATERIAL, NOR DO THEY REFLECT CONSIDERATION OF UNDERCUTTING OR REMOVAL OF UNSUITABLE MATERIAL. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH SITE CONDITIONS WHICH MAY

CONSTRUCTION SPECIFICATIONS

1. THE SUBGRADE FOR THE FILTER, RIP-RAP, OR GABION SHALL BE PREPARED TO THE REQUIRED LINES AND GRADES. ANY FILL REQUIRED IN THE SUBGRADE SHALL BE COMPACTED TO A DENSITY OF APPROXIMATELY THAT OF THE SURROUNDING

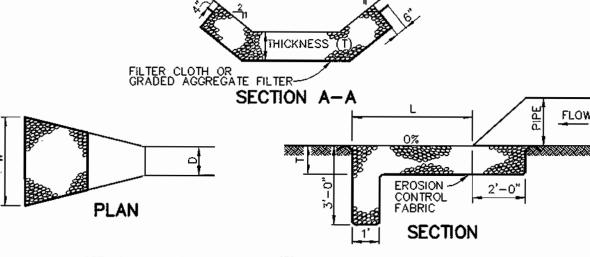
2. THE ROCK OR GRAVEL SHALL CONFORM TO THE SPECIFIED GRADING LIMITS WHEN INSTALLED RESPECTIVELY IN THE RIP-RAP OR FILTER.

3. GEOTEXTILE CLASS C OR BETTER SHALL BE PROTECTED FROM PUNCHING, CUTTING, OR TEARING. ANY DAMAGE OTHER THAN AN OCCASIONAL SMALL HOLE SHALL BE REPAIRED BY PLACING ANOTHER PIECE OF GEOTEXTILE FABRIC OVER THE DAMAGED WHETHER FOR REPAIRS OR FOR JOINING TWO PIECES OF GEOTEXTILE FABRIC SHALL BE A MINIMUM OF ONE FOOT.

4. STONE FOR THE RIP-RAP OR GABION OUTLETS MAY BE PLACED BY EQUIPMENT. THEY SHALL BE CONSTRUCTED TO THE FULL COURSE THICKNESS IN ONE OPERATION AND AND IN SUCH A MANNER AS TO AVOID DISPLACEMENT OF UNDERLYING MATERIALS. THE STONE FOR RIP-RAP OR GABION OUTLETS SHALL BE DELIVERED AND PLACED IN A MANNER THAT WILL ENSURE THAT IT IS REASONABLY HOMOGENOUS WITH THE SMALLER STONES AND SPALLS FILLING THE VOIDS BETWEEN THE LARGER STONES. RIP-RAP SHALL BE PLACED IN A MANNER TO PREVENT DAMANGE TO THE FILTER BLANKET OR GEOTEXTILE FABRIC. HAND PLACEMENT WILL BE REQUIRED TO THE EXTENT NECESSARY TO PREVENT DAMAGE TO THE PERMANENT WORKS.

5. THE STONE SHALL BE PLACED SO THAT IT BLENDS IN WITH THE EXISTING GROUND.IF THE STONE IS PLACED TOO HIGH THEN THE FLOW WILL BE FORCED OUT OF THE CHANNEL AND SCOUR ADJACENT TO THE STONE WILL OCCUR.

RIPRAP TO BE EMBEDDED IN PROPOSED TRANSITION SECTION



NO	NOTE: Q10, V & DEPTH CALCULATED AT END OF RIPRAP OUTLET CHANNEL.							
STRUCTURE	MEDIAN STONE DIA.	LENGTH (L)	WIDTH (W)	THICKNESS (T)	Q ₁₀	۷ _P	DEPTH	
E-1 9.5" (CL I) 10' 11' 19" 1.64 3.41 0.5								
E-2 9.5" (CL I) 12' 14' 19" 8.53 5.12 1.15								
RIPRAP OUTLET PROTECTION DETAIL								

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.

2. INSTALL STABILIZED CONSTRUCTION ENTRANCE AND SUPER SILT FENCE. (2 DAYS)

3. BEGIN CLEARING, PERFORM ROUGH GRADING AND BEGIN BUILDING CONSTRUCTION. (3 WEEKS)

5. AS SUBGRADE ELEVATIONS ARE ESTABLISHED, INSTALL STORM DRAINS, WATER, SEWER AND UNDERGROUND STORMWATER MANAGEMENT PIPES, (4 WEEKS)

5. INSTALL CURB AND GUTTER AND PAVE ROADWAYS. (2 WEEKS)

6. APPLY TOPSOIL AND STABILIZE DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING

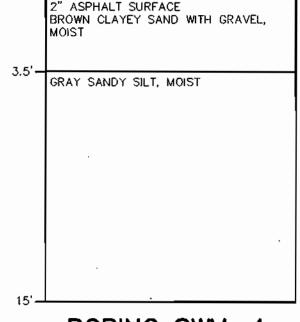
7. PERFORM FINE GRADING, LANDSCAPING, AND SIDEWALKS, (3 WEEKS)

8. COMPLETE BUILDING CONSTRUCTION. (4 MONTHS)

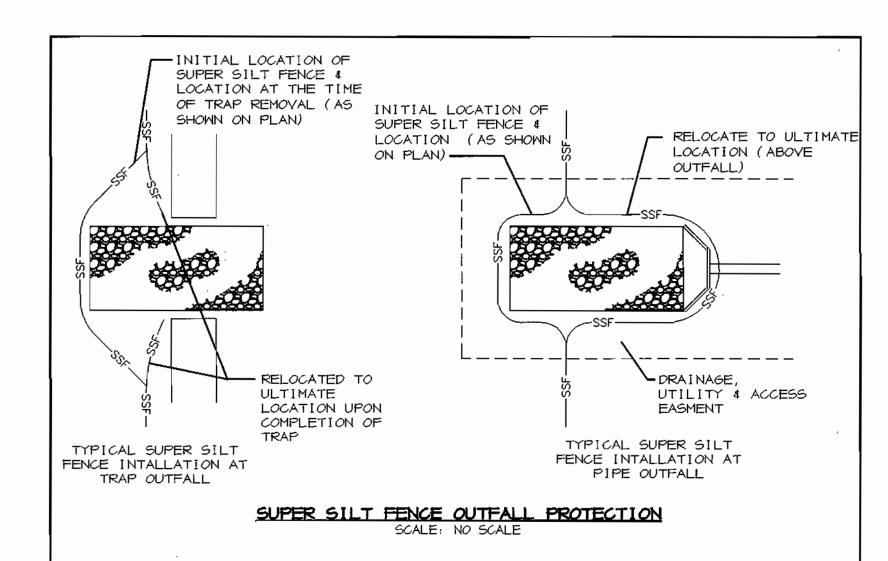
9. UPON PERMISSION OF COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND STABALIZE REMAINING DISTURBED AREAS IN ACCORDANCE WITH PERMANENT

10. ONCE THE SITE IS STABILIZED, CONSTRUCT BIORETENTION, (1 WEEK)

2" ASPHALT SURFACE BROWN SANDY LEAN CLAY, MOIST BROWN SANDY LEAN CLAY, MOIST BROWN CLAYEY SAND WITH GRAVEL, WET AT 8.6' 15' CAVED AT 9.4'



BORING SWM-4



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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION

3.25.07

DATE

DEVELOPER KILLT PATEL

BY THE ENGINEER :

BY THE DEVELOPER

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.

3.25.63 DATE

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

COMPANION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD COUNTY DEPARTMENT OF PLANNING AND

10.1.63 CHIEF, DIVISION OF LAND DEVELOPMENT → DATE

DATE NO. REVISION OWNER / DEVELOPER

TALL PINES MOTEL, INC c/o KIRIT PATEL

PROJECT

RICHMOND, VA 23237 (804)271-6081

2301 WILLIS ROAD

SLEEP INN-JESSUP PARCEL 495

TAX MAP 43 ZONED M-2 AREA PARCEL 495 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SEDIMENT CONTROL DETAILS

Patton Harris Rust & Associates, pc

Engineers. Surveyors. Planners. Landscape Architects. 8818 Centre Park Drive Columbia, MD 21045 T 410.997.8900 F 410.997.9282



DESIGNED BY: C.J.R. DRAWN BY: DAM

> PROJECT NO :01046/ DETAIL1.DWG **DATE:** APRIL 2, 2003

SCALE: AS SHOWN DRAWING NO. <u>5</u> OF <u>12</u> CHRISTOPHER J. REID #19949

DATE : APRIL 2, 2003 SCALE: AS SHOWN DRAWING NO. _ 6 _ OF _ 12

3.25.03

DATE

3.25.43

101.03

REVISION

c/o KIRIT PATEL

2301 WILLIS ROAD

RICHMOND, VA 23237

PARCEL 495

DETAIL SHEET

(804)271 - 6081

→ DATE

SDP-03-22

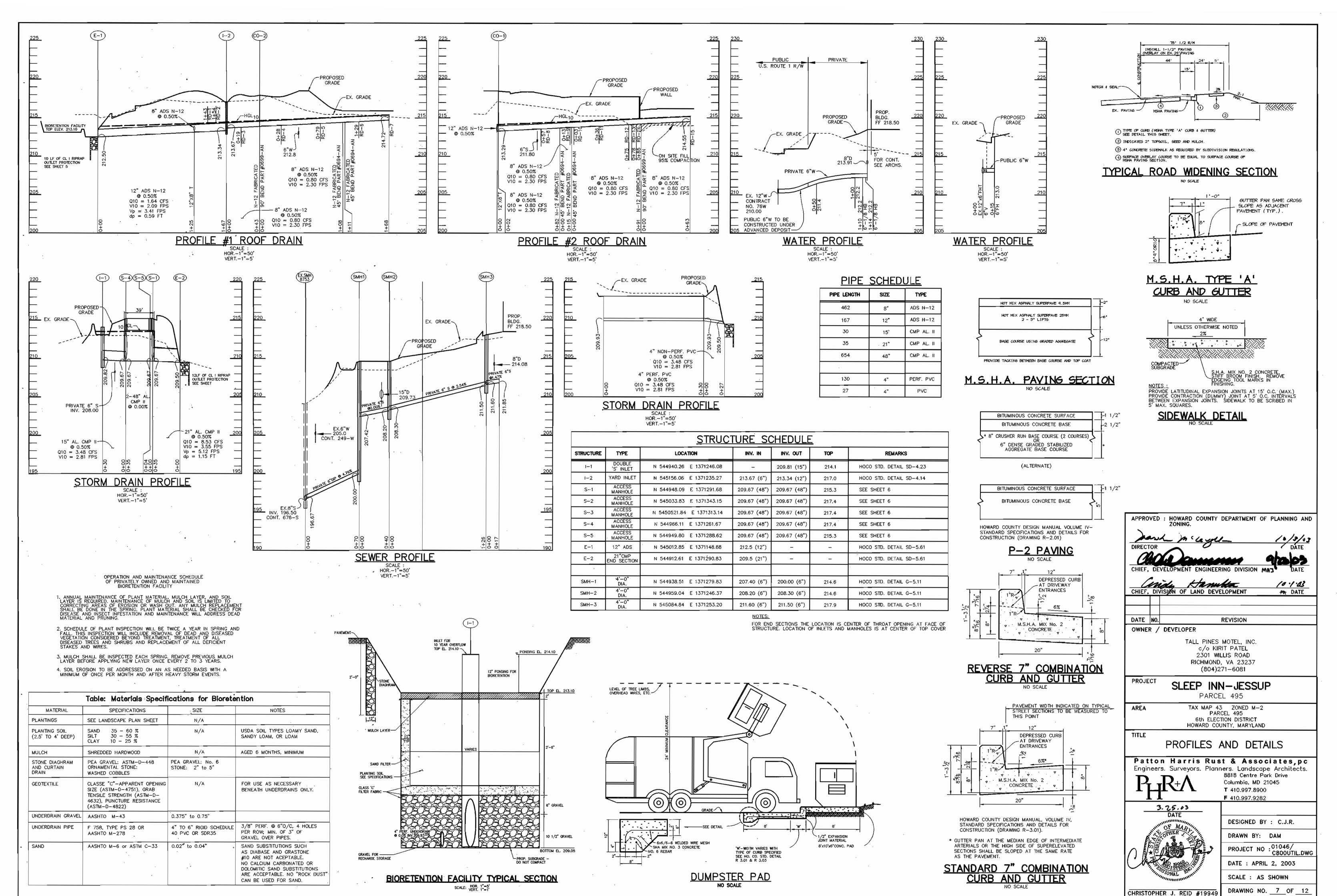
8818 Centre Park Drive

DESIGNED BY : C.J.R.

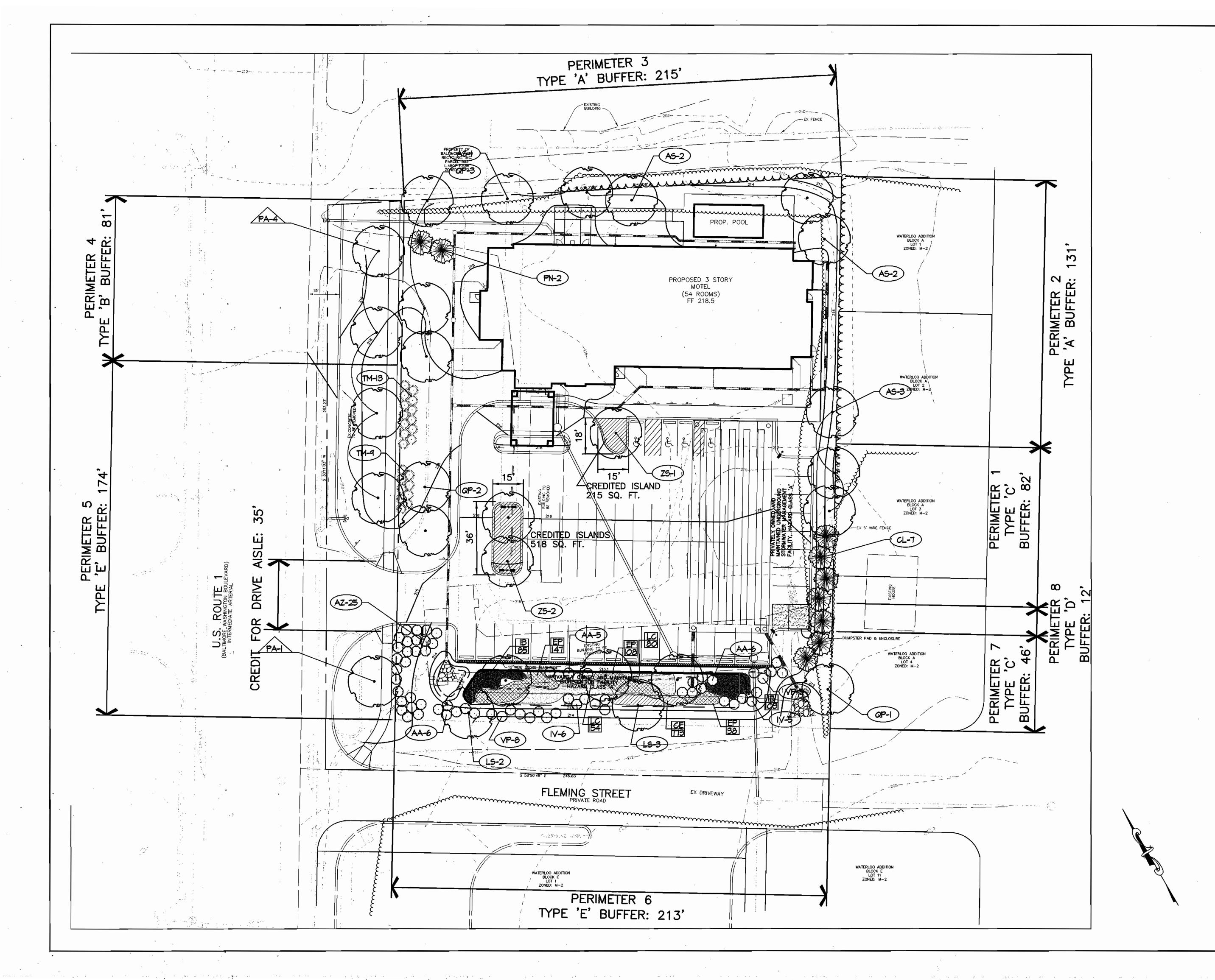
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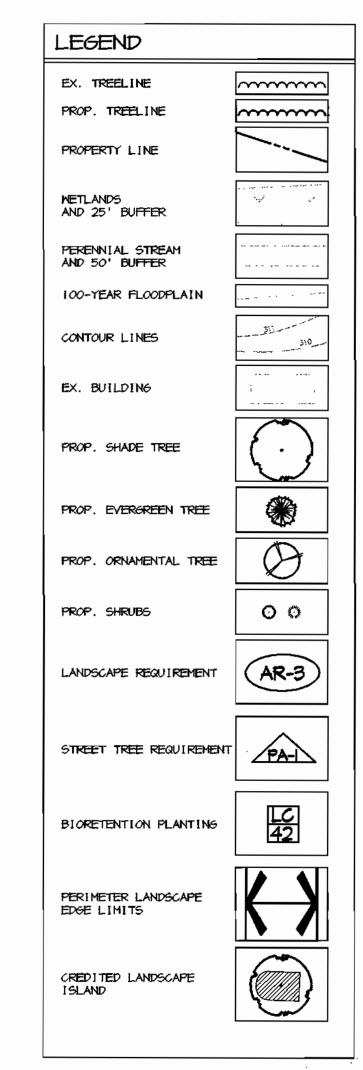
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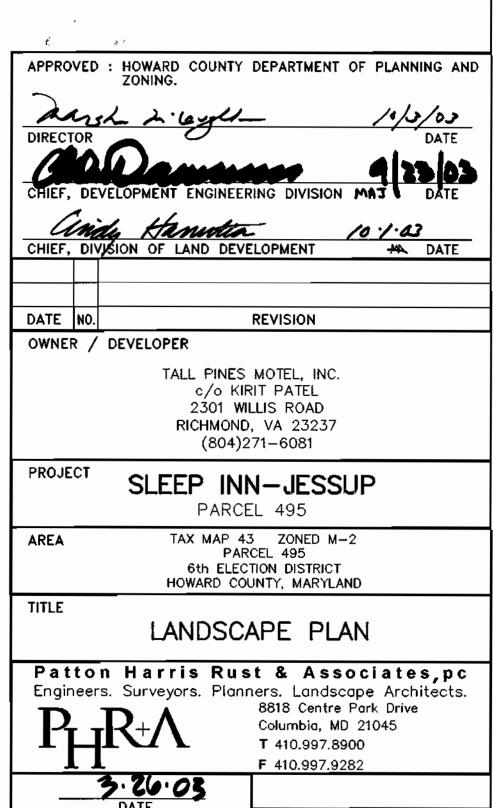
Columbia, MD 21045 **T** 410.997.8900 **F** 410.997.9282



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DRAWING NO. _ 8 OF _ 12 SDP-03-22

SCALE : 1" = 20'

DESIGNED BY : PJS/GTH/KLS

PROJECT NO :01046/ L200LND.DWG

DRAWN BY: GTH/KLS

DATE : APRIL 2, 2003

·	. N							
SCHEDULE A - PER	IMETER L	ANDSCAPE	EDGE		,			
		ADJACENT TO ROADWAYS			ADJACENT TO PERIMETER PROPERTIES			
PERIMETER	4	5	6	1	2	3	7	8
LANDSCAPE TYPE	В	E	E	С	Α	Α.	` c `	D
LINEAR FEET OF ROADWAY FRONTAGE/ PERIMETER	81'±	174'±	213'±	82±	131'±	215'±	46'±	12'±
CREDIT FOR EXISTING DRIVE AISLE (LINEAR FEET)	NO	YES, 35'	NO	NO .	NO	NO	NO	NO
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO	NO	NO	NO	NO	NO	NO	NO
LINEAR FEET REMAINING	81'±	139'±	213'±	82'±	131'±	215'±	46'±	12'±
CREDIT FOR WALL, FENCE, OR BERM (YES/NO/LINEAR FEET)	• NO	ν̈́ο	NO	. NO	NO	NO	. NO	NO
NUMBER OF PLANTS REQUIRED SHADE TREES EVERGREEN TREES SHRUBS	220	3 0 35	5 0 53	2 4 0	2,00	4 0	1 2 0	0
NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES SMALL FLOWERING TREES SHRUBS	2200	3005 35	5003	2400	2000	4 00 00	200	0-00

SCHEDULE B - PARKING LOT INTERNAL LANDSC	APING
PARKING LOT	
NUMBER OF PARKING SPACES	54
NUMBER OF SHADE TREES REQUIRED (1/20 SPACES)	3
NUMBER OF TREES PROVIDED SHADE TREES OTHER TREES (2:1 SUBSTITUTION)	3 -
NUMBER OF ISLANDS REQUIRED (1/20 SPACES)	3
NUMBER OF ISLANDS PROVIDED (200 SF/ISLAND)	3

	PLANT LIST								
SYMBOL	QTY.	SCIENTIFIC/ COMMON NAME	SIZE	ROOT	REMARKS				
AS	8	Acer saccharum 'Green Mountain' Green Mountain Sugar Mapie	2.5"-3" cal.	B 4 B	Plant as shown				
LS	5	Liquidambar styraciflua Sweet Gum	2.5"-3" cal.	B≰B	Plant as shown				
QP	6	Quercus phellos Willow Oak	2.5"-3" cal.	B ≬ B.	Plant as shown				
ZS	3	Zelkova serrata 'Village Green' Village Green Japanese Zelkova	2.5"-3" cal.	B≰B	Plant as shown				
CL	7	XCuppressocyparis leylandii Leyland Cypress	5'-6' ht.	B 4 B	Plant as shown				
PN	2	Picea nigra Austrian Pine	6'-8' ht.	B4B	Plant as shown				
AA	17	. Aronia arbutifolia Red Chokeberry	24"-30" ht.	.Cont.	Plant 4.5' o.c.				
AZ .	25	Azalea 'Gumpo Pink' Gumpo Pink'Azalea	24"-30" ht.	Cont.	Plant 4.5' o.c.				
I٧	11	Ilex verticilata 'Red Sprite' Winterberry	24"-30" ht.	Cont.	Plant 4.5' o.c.				
TM	22	Taxus xmedia 'Densiformis' Densiformis Yew	24"-30" ht.	Cont.	Plant 4.5' o.c.				
٧P	13	Viburnum plicatum tomentosa Doublefile Viburnum	30"-36" ht.	Cont.	Plant 5' o.c.				

STREET TREE PLANT LIST						
KEY	QTY.	SCIENTIFIC/ COMMON NAME	SIZE	ROOT	SPACING	
PA	5	Platanus xacerifolla London Planetree	2.5"-3" cal.	B≰B	Plant as shown	

	BIORETENTION PLANT LIST							
KEY	QTY.	SCIENTIFIC/ COMMON NAME	SIZE	ROOT	SPACING	ZONE*		
CE	773	CAREX ELATA 'AUREA'.** BOWLES GOLDEN SEDGE	BARE ROOT	CONT.	6" SPACING	(1, 2), 3		
EP	293	EUPATORIUM PURPUREA JOE PYE WEED	I GALLON	CONT.	18" SPACING	***		
IB	188	IRIS VERSICOLOR 'BLUE FLAG' BLUE FLAG IRIS	BARE ROOT	CONT.	18" SPACING	(1, 2), 3		
LC	234	LOBELIA CARDINALIS CARDINAL FLOWER	1 GAL.	CONT.	18" SPACING	1, (2, 3), 4		

- BIORETENTION PLANT LIST NOTES:
- * HYDROLOGIC ZONES ACCORDING TO APPENDIX A OF THE MARYLAND MODEL STORMWATER
- MANAGEMENT ORDINANCE JULY 2000.

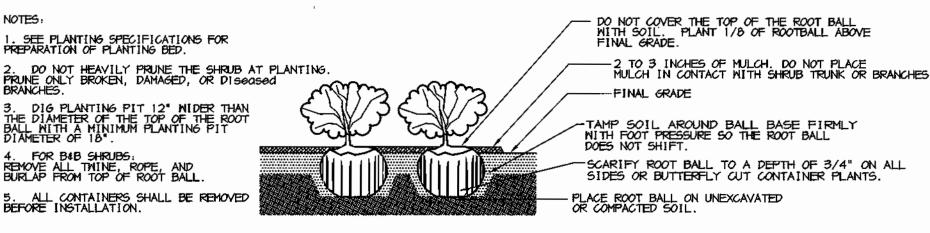
 ** ALSO KNOWN CAREX STRICTA 'AUREA
- *** COMMONLY USED BIORETENTION SPECIES ACCORDING TO TABLE A.4 IN APPENDIX A OF THE MARYLAND MODEL STORMWATER MANAGEMENT ORDINANCE JULY 2000.

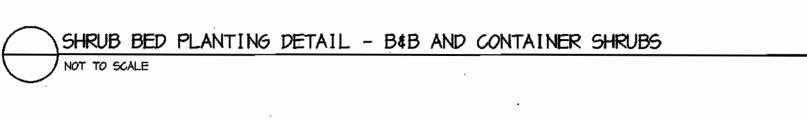
	SCHEDULE D - STORMWATER MANAGEMENT AREA LANDS	SCAPING
	S.W.M. POND PERIMETER	1
	LANDSCAPE TYPE	
	LINEAR FEET OF TOTAL PERIMETER	
	CREDIT FOR EX. VEGETATION (NO OR YES & %)	
	CREDIT FOR OTHER PROP. LANDSCAPING (NO OR YES & %)	
	LINEAR FEET OF REMAINING PERIMETER	*
:	NUMBER OF TREES REQUIRED: SHADE TREES EVERGREEN TREES	
	NUMBER OF PLANTS PROVIDED SHADE TREES EVERGREEN TREES OTHER TREES (2:1 SUBSTITUTION, 50% MAX.)	

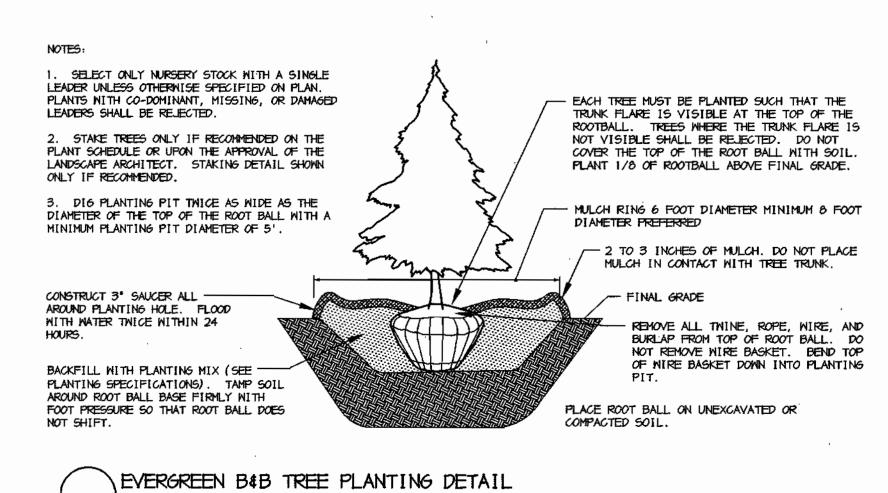
* SEE GENERAL NOTE #9

PLANTING SPECIFICATIONS

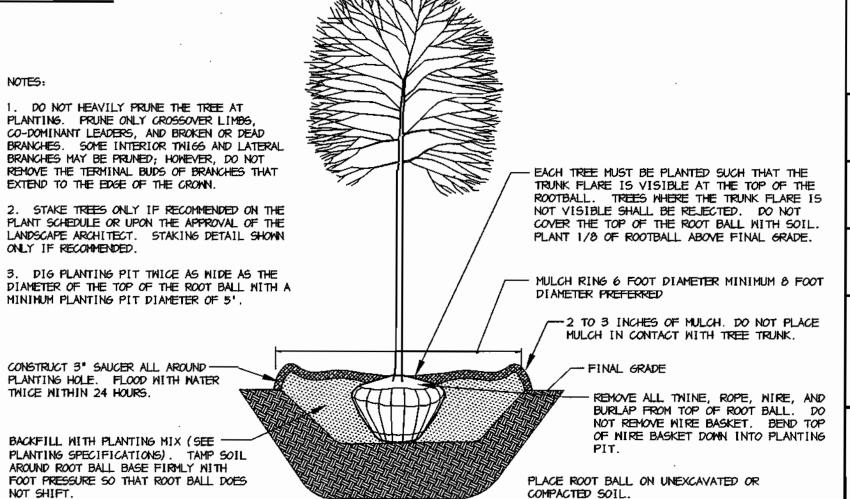
- 1. Plants, related material, and operations shall meet the detailed description, as given on the plans and as described herein. Where discrepancies exist between Standards & Guidelines referenced within these specifications and the Howard County Landscape Manual, the latter takes precedence.
- 2. All plant material, unless otherwise specified, that is not nursery grown, uniformly branched, does not have a vigorous root system, and does not conform to the most recent edition of the American Association of Nurserymen (AAN) Standards will be rejected. Plant material that is not healthy, vigorous, free from defects, decay, disfiguring roots, sunscald injuries, abrasions of the bark, plant disease, insect pest eggs, borers and all forms of insect infestations or objectionable disfigurements will be rejected. Plant material that is weak or which has been cut back from larger grades to meet specified requirements will be rejected. Trees with forked leaders will be rejected. All B & B plants shall be freshly dug; no healed-in plants or plants from cold storage will be accepted.
- 3. Unless otherwise specified, all general conditions, planting operations, details and planting specifications shall conform to the most recent edition of the "Landscape Specification Guidelines by the Landscape Contractors Association of MD, DC, & VA", (hereinafter "Landscape Guidelines") approved by the Landscape Contractors Association of Metropolitan Washington and the Potomac Chapter of the American Society of Landscape Architects.
- 4. Contractor shall guarantee all plant material for a period of one year after date of acceptance in accordance with the appropriate section on the Landscape Guidelines. Contractor's attention is directed to the maintenance requirements found within the one year specifications including watering and replacement of specified plant material.
- 5. Contractor shall be responsible for notifying all relevant and appropriate utility companies, utility contractors, and "Miss Utility" a minimum of 48 hours prior to the beginning of any work. Contractor may make minor adjustments in spacing and location of plant material to avoid conflicts with utilities. Major changes will require the approval of the landscape architect. Damage to existing structure and utilities shall be repaired at the expense of the Contractor.
- 6. Protection of existing vegetation to remain shall be accomplished via the temporary installation of 4 foot high snow fence at the drip line, see detail.
- 7. Contractor is responsible for installing all material in the proper planting season for each plant type. All planting is to be completed within growing season of completion of site construction. Do not plant Pinus strobus or XCupressacyparis legiandii between November 15 and March 15. Landscape plants are not to be installed before site is graded to final grade.
- 8. Contractor to regrade, fine grade, sod, hydroseed and straw mulch all areas disturbed by their work.
- 9. Bid shall be based on actual site conditions. No extra payment shall be made for work arising from actual site conditions differing from those indicated on drawings and specifications.
- 10. Plant quantities are provided for the convenience of the contractor only. If discrepancies exist between quantities shown on plan and those shown on the plant list, the quantities on the plan take precedence. Where discrepancies on the plan exist between the symbols and the callout leader, the number of symbols take precedence.
- 11. All shrubs and groundcover areas shall be planted in continuous planting beds, prepared as specified, unless otherwise indicated on plans. (See Specification 13). Beds to be mulched with minimum 2" and maximum 3" of composted, double-shredded hardwood mulch throughout.
- 12. Positive drainage shall be maintained on planting beds (minimum 2 percent slope).
- 13. Bed preparation shall be as follows: Till into a minimum depth of 6" I yard of Compro or Leafgro per 200 SF of planting bed, and I yard of topsoil per 100 SF of bed. Add 3 lbs of standard 5-10-5 fertilizer per cubic yard of planting mix and till. Ericaceous plants (Azaleas, Rhododendrons, etc.): top dress after planting with iron sulfate or comparable product according to package directions. Taxus baccata 'Repandens' (English weeping yews): Top dress after planting with 1/4 to 1/2 cup lime each.
- 14. Planting mix: For trees not in a prepared bed, mix 50% Compro or Leafgro with 50% soil from tree hole to use as backfill, see tree planting detail.
- 15. Weed & insect control: Incorporate a pre-emergent herbicide into the planting bed following recommended rates on the label. For tree planting, apply a pre-emergent on top of soil and root bail before mulching. Caution: For areas to be planted with a ground cover, be sure to carefully check the chemical used to assure its adaptability to the specific groundcover to be treated. Maintain the mulch weed-free for the extent of the warranty period. Under no circumstances is a pesticide containing chlorourifos to be used as a means of pest control.
- 16. Water: All plant material planted shall be watered thoroughly the day of planting. All plant material not yet planted shall be properly protected from drying out until planted. At a minimum, water unplanted plant material dally and as necessary to avoid dessication.
- 17. Pruning: Do not heavily prune trees and shrubs at planting. Prune only broken, dead, or diseased branches.
- 18. All areas within contract limits disturbed during or prior to construction not designated to receive plants and mulch shall be fine graded, grass seed planted, and covered with straw mulch.







NOT TO SCALE



DECIDUOUS B&B TREE PLANTING DETAIL

NOT TO SCALE

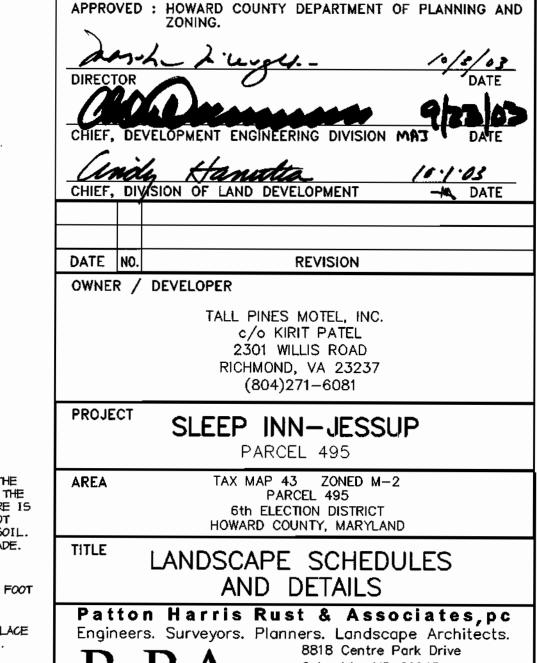
GENERAL NOTES:

- 1. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- 2. FINANCIAL SURETY FOR THE REQUIRED
 LANDSCAPING HAS BEEN POSTED AS PART OF THE
 DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$12,090.
 27 SHADE TREES @ \$300 = \$8,100
 9 EVERGREEN TREES @ \$150 = \$1,350
 0 ORNAMENTAL TREES @ \$150 = \$000
 88 SHRUBS @ \$30 = \$2,640
- 3. THIS PLAN IS FOR LANDSCAPING PURPOSES ONLY.
- 4. CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- 5. ALL MATERIAL SELECTED SHALL BE EQUAL TO OR BETTER THAN THE REQUIREMENTS OF THE "USA STANDARD FOR NURSERY STOCK", LATEST EDITION, AS PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
- 6. ALL MATERIAL SHALL BE PLANTED IN ACCORDANCE WITH THE MINIMUM STANDARDS CITED IN THE LATEST EDITION OF "LANDSCAPE SPECIFICATION GUIDELINES" PUBLISHED BY THE LANDSCAPE CONTRACTORS ASSOCIATION.
- 7. AT THE TIME OF INSTALLMENT, ALL SHRUBS AND OTHER PLANTINGS SHALL BE OF THE PROPER HEIGHT AND/OR SPREAD REQUIREMENTS IN ACCORDANCE WITH THIS PLAN AND THE HOWARD COUNTY LANDSCAPE MANUAL.
- 8. NO SUBSTITUTIONS OR RELOCATION OF PLANTS MAY BE MADE WITHOUT PRIOR APPROVAL FROM THE DEPARTMENT OF PLANNING AND ZONING OF HOWARD COUNTY. ANY DEVIATION FROM THIS LANDSCAPE PLAN MAY RESULT IN A REQUIREMENT FOR SUBMITTAL OF AN OFFICIAL "REDLINE REVISION" TO THE SITE DEVELOPMENT PLAN(S) AND/OR DENIAL IN THE RELEASE OF LANDSCAPE SURETY.
- 9. PLANTING FOR SWM AREAS IS PROVIDED WITH BIORETENTION LANDSCAPING. NO ADDITIONAL PLANTING IS PROPOSED.

DEVELOPER'S/BUILDER'S CERTIFICATE:

I/WE CERTIFY THAT THE LANDSCAPING SHOWN ON THIS PLAN WILL BE DONE ACCORDING TO THE PLAN, SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE HOWARD COUNTY LANDSCAPE MANUAL. I/WE FURTHER CERTIFY THAT UPON COMPLETION, A CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXECUTED ONE YEAR GUARANTEE OF PLANT MATERIALS, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.





DESIGNED BY: PJS/GTH/KLS

DRAWN BY: GTH/KLS

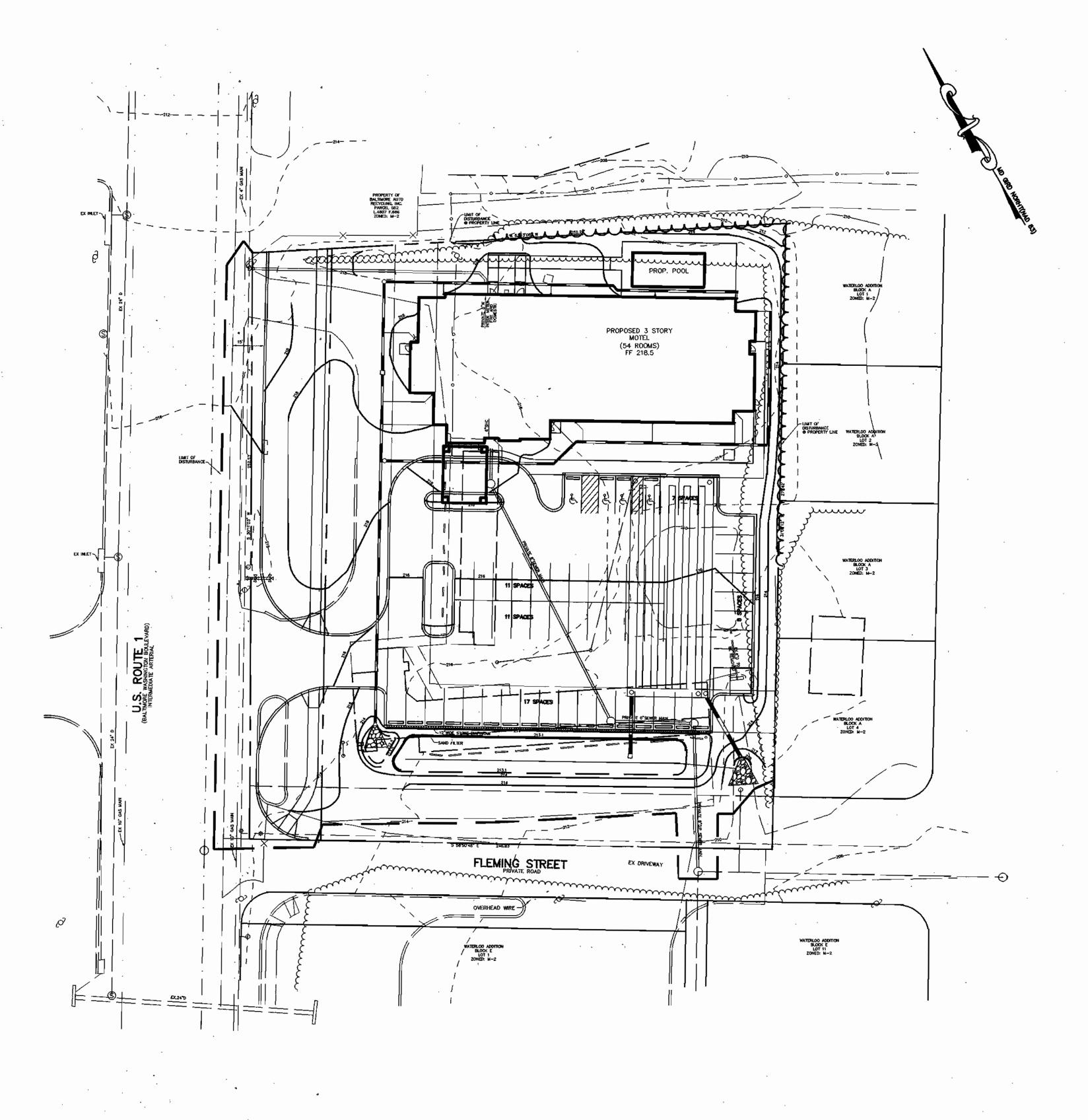
PROJECT NO: 01046/
L201LND.DWG

DATE: APRIL 2, 2003

SDP-03-22

SCALE: NOT TO SCALE

DRAWING NO. _ 9 _ OF _ 12



SCALE: 1" - 30"

Howard County Forest Conservation Worksheet

	County Forest	CONSCI VALIOII	
PROJECT NAME:	Sleep Inn	COUNTY FILE#:	SDP-03-022
DATE:	10/2/2002	PHR+A PROJECT#:	01046
Site Data			
A. Total site are	a		1.68
B. Areas in 100 year floodplain			0.00
Areas in agri	culture use and preserve	ation parcels	0.00
Other: Area already cleared under SDP-81-171			1.39
C. Net Tract Area (A-B)			0.29
D. Forest Cover on net tract area			0.00
E. Amount of Net Tract Area Forest to be cleared per plan			0.00
F. Land Use Category			CIA (commer
G. Reforestation requirement percent by land use category			15%
H. Afforestation requirement percent by land use category			15%
Break Even	Point	•	
A. Area of forest above conservation threshold			0.00
B. Amount of forest to retain w/o mitigation			0.00
C. Forest clearing permitted w/o mitigation			0.00
Reforestation	n Calculations		
A. Net Tract Area			0.29
3. Total forest within Net Tract Area			0.00
C. Net Tract Area forests to be cleared by development plan			0.00
D. Forest area remaining			0.00
E. Reforestation threshold in acres			0.04
F. Reforestation	n Debt		
above t	hreshold		0.00
below t	hreshold		0.00
G. Reforestation credit			0.00
H. REFOREST	TATION OBLIGATION		0.00
Afforestation	n Calculations		
A. Net Tract Are	0.29		
B. Total forest within Net Tract Area			0.00
C. Afforestation threshold in acres			0.04
D. <i>AFFORESTA</i>		· B)	0.04

GENERAL NOTES:

I. THE PLAN HAS BEEN PREPARED USING FIELD RUN TOPOGRAPHY.

TOTAL REFORESTATION + AFFORESTATION OBLIGATION

2. NO CRITICAL HABITATS OF RARE, THREATENED OR ENDANGERED SPECIES WERE OBSERVED.

0.04

3. NO TREES, SHRUBS, OR PLANTS IDENTIFIED AS RARE, THREATENED OR ENDANGERED SPECIES WERE OBSERVED.

4. THERE, ARE NO KNOWN CEMETERIES OR BURIAL PLOTS LOCATED ON THE SITE, ACCORDING TO THE HOWARD COUNTY CEMETERIES INVENTORY.

5. TWO EXISTING MOTEL BUILDINGS ARE LOCATED ON THE SITE AND WILL BE REMOVED AS PART OF THE CONSTRUCTION PROCESS.

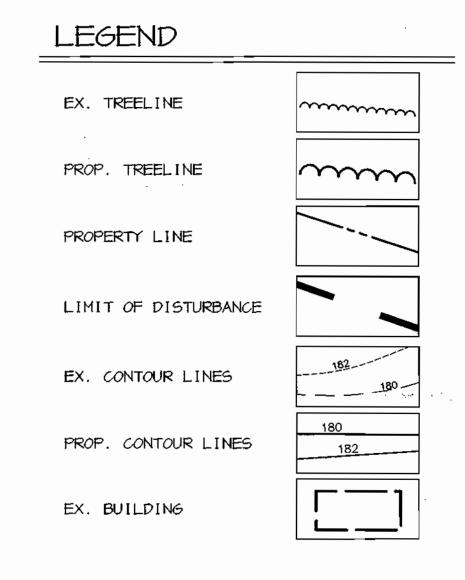
6. THIS SITE CONTAINS ONE SOIL, SFC2.

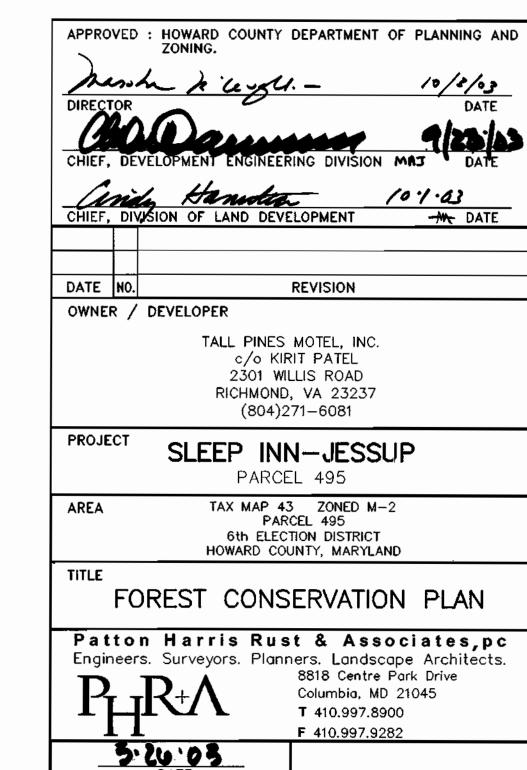
7. A LETTER HAS BEEN SUBMITTED IN LIEU OF AN FSD. NO FOREST EXISTS ON SITE.

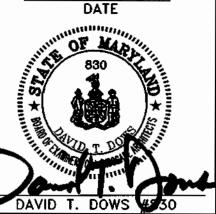
8. NO FOREST WILL BE REMOVED WITH THIS DEVELOPMENT. THE FOREST CONSERVATION OBLIGATION OF 0.04 AC FOR THE PROPOSED DEVELOPMENT IS SOLELY COMPRISED OF AFFORESTATION. A FEE-IN-LIEU AMOUNT OF \$871.20 HAS BEEN PAID TO THE HOWARD COUNTY FOREST CONSERVATION FUND.

9. THE HOWARD COUNTY FOREST CONSERVATION MANUAL SUPERCEDES ANY DISCREPANCIES BETWEEN THE MANUAL AND THESE PLANS.

10. THIS PROJECT COMPLIES WITH THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION.







DRAWING NO. 10 OF 12

DESIGNED BY : PJS/GTH/KLS

PROJECT NO :01046/ L200FCP.DWG

DRAWN BY: GTH/KLS

DATE: APRIL 2, 2003

SDP-03-22

SCALE : 1" = 30'

<u>LEGEND</u>				
DRAINAGE DIVIDE	——			
TIME OF CONCENTRATION				

BY THE DEVELOPER : 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 INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT. CINL 3.25.13 DEVELOPER KIKIT PATEL BY THE ENGINEER : 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. 3.25-03 THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL. THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING. CHIEF, DIVISION OF LAND DEVELOPMENT 10.1.03 -M DATE DATE NO. REVISION OWNER / DEVELOPER TALL PINES MOTEL, INC. c/o KIRIT PATEL 2301 WILLIS ROAD

> (804)271-6081 SLEEP INN-JESSUP

PARCEL 495

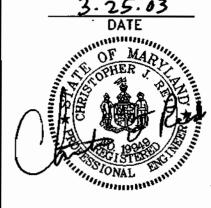
RICHMOND, VA 23237

TAX MAP 43 ZONED M-2
PARCEL 495
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SWM DRAINAGE AREA MAP EXISTING CONDITIONS

Patton Harris Rust & Associates,pc

Engineers, Surveyors, Planners, Landscape Architects, 8818 Centre Park Drive Columbia, MD 21045 T 410.997.8900 F 410.997.9282



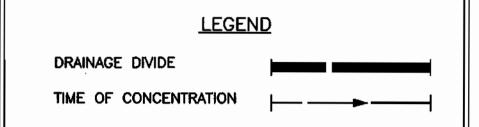
CHRISTOPHER J. REID #19949

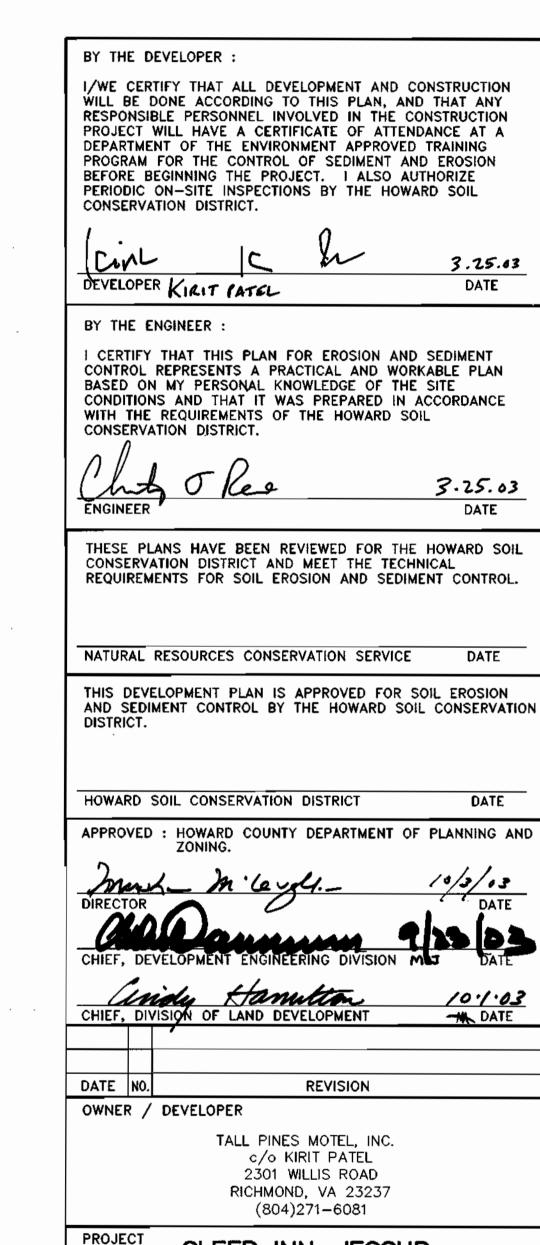
DESIGNED BY : C.J.R.

DRAWN BY: DAM PROJECT NO :01046/ C600EXDA.DWG

DATE : APRIL 2, 2003

SCALE : 1" = 20'DRAWING NO. __11_OF __12_





SLEEP INN-JESSUP PARCEL 495

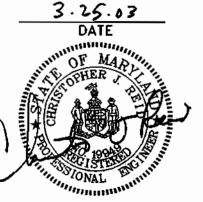
TAX MAP 43 ZONED M-2
PARCEL 495
6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SWM DRAINAGE AREA MAP PROPOSED CONDITIONS

Patton Harris Rust & Associates,pc Engineers. Surveyors. Planners. Landscape Architects.



8818 Centre Park Drive Columbia, MD 21045 **T** 410.997.8900 **F** 410.997.9282



DESIGNED BY : C.J.R. DRAWN BY: DAM

PROJECT NO :01046/ C600PRDA.DWG DATE: APRIL 2, 2003

SCALE: 1" = 20'CHRISTOPHER J. REID #19949 DRAWING NO. ___12_OF __12_