

SHEET INDEX	
NO	DESCRIPTION
1	TITLE SHEET
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3	GRADING AND SEDIMENT CONTROL PLAN
4	PROFILES AND DETAILS
5	LANDSCAPE PLAN

# SITE DEVELOPMENT PLAN

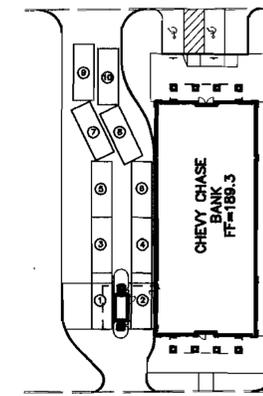
## CHEVY CHASE BANK SAVAGE BRANCH

### 6th ELECTION DISTRICT

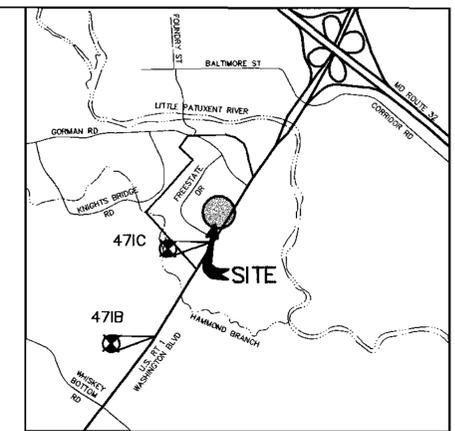
### HOWARD COUNTY, MARYLAND

#### 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 RIEMER MUEGGE & ASSOCIATES DATED NOVEMBER, 2003.
- 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. 47B AND 47C WERE USED FOR THIS PROJECT.
- WATER IS PUBLIC. CONTRACT NO. 24-3701-D
- SEWER IS PUBLIC. SEWER DRAINAGE AREA: LITTLE PATUXENT CONTRACT NO. 24-3701-D
- THE STORMWATER QUALITY AND QUANTITY MANAGEMENT IS PROVIDED FOR UNDER F-92-74.
- 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.
- A 100- YEAR FLOODPLAIN STUDY FOR THIS PROJECT IS NOT REQUIRED.
- NO WETLANDS ARE FOUND ON THIS PROJECT.
- A TRAFFIC STUDY IS NOT REQUIRED FOR THIS PROJECT.
- A NOISE STUDY IS NOT REQUIRED FOR THIS PROJECT.
- THE BOUNDARY FOR THIS PROJECT WAS TAKEN FROM RECORDED PLAT NUMBER 13267 PREPARED BY VOGEL AND ASSOCIATES, INC.
- SUBJECT PROPERTY ZONED B-2 PER 10-18-93 COMPREHENSIVE ZONING PLAN.
- 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. S-90-28, P-91-02, F-92-74, F-98-149, SDP-98-133.
- THE CONTRACTOR SHALL TEST PIT EXISTING UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
- PIPE SHALL NOT BE INSTALLED BY THE CONTRACTOR UNTIL THE LENGTH CALLED FOR AT EACH STATION HAS BEEN APPROVED BY THE ENGINEER IN THE FIELD.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT WITHIN 6" OF FINISHED GRADE.
- ALL INLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARDS.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIMENSIONS.
- ALL FILL AREAS WITHIN ROADWAY AND UNDER STRUCTURES TO BE COMPACTED TO A MINIMUM OF 95% COMPACTION OF AASHTO T150.
- ALL PROPOSED AND FUTURE LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF ZONING SECTION 134.
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$300.00 FOR 1 SHADE TREE
- THIS PROJECT IS EXEMPT FROM FOREST CONSERVATION REQUIREMENTS BECAUSE IT HAD PRELIMINARY SUBDIVISION APPROVAL PRIOR TO DECEMBER 31, 1992, PER SUBDIVISION REGULATION SECTION 16.1202(b)(1)(ii).
- THIS PLAN IS SUBJECT TO THE AMENDED FIFTH EDITION OF THE SUBDIVISION REGULATIONS.



**STACKING PLAN**  
SCALE: 1"=30'



**VICINITY MAP**  
SCALE: 1"=2000'

COPYRIGHT ADD THE MAP PEOPLE  
PERMITTED USE NO. 20894285

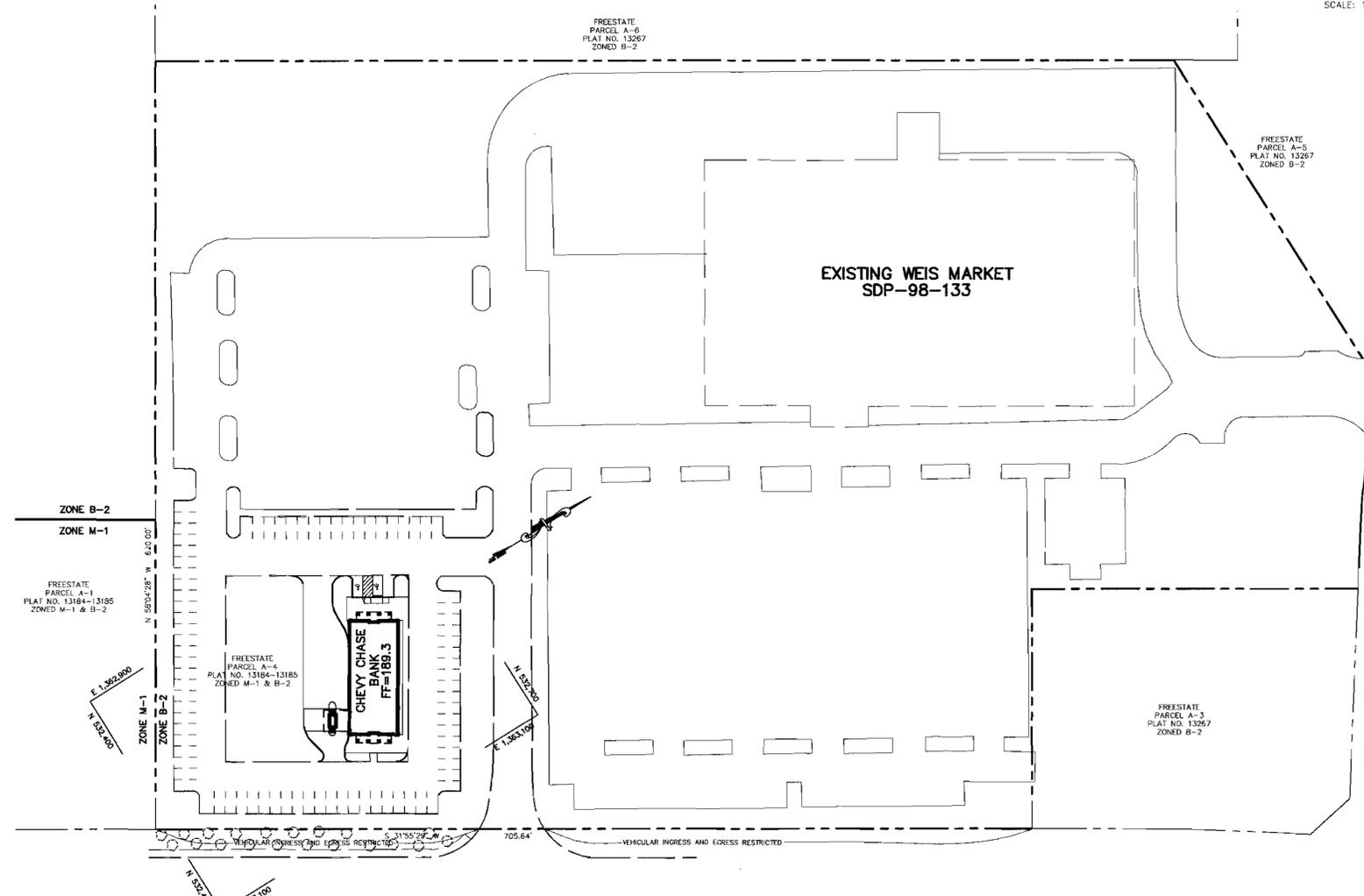
#### AREA TABULATION CHART

AREA OF PARCEL	12.2402 ACRES
LIMIT OF DISTURBED AREA	0.40 ACRES=LIMIT OF SUBMISSION
PRESENT ZONING	B-2
PROPOSED USE	1 STORY BANK (3,555 SF)
OVERALL PARKING TABULATION - PARCEL A-4	
WEIS MARKET	70088 SF
CHEVY CHASE BANK	3555 SF
TOTAL	73176 SF
PARKING REQUIRED = 70088 @ 5/1000 = 350.4 SPACES (WEIS MARKET)	
PARKING REQUIRED = 3555 @ 5/1000 = 17.8 SPACES (CHEVY CHASE BANK)	
PARKING REQUIRED = 73643 @ 5/1000 = 368.2 SPACES (TOTAL)	
PARKING PROVIDED = 555 SPACES (SDP-98-133)	

#### BENCH MARK

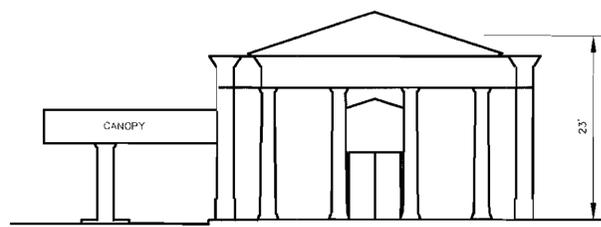
HOWARD COUNTY CONTROL STATION 47B  
3/4" IRON ROD WITH 4" STAMPED ALUMINUM CAP  
N 529,701.578  
E 1,361,469.758  
ELEV. 180.709

HOWARD COUNTY CONTROL STATION 47C  
N 532,036.885  
E 1,362,819.058  
ELEV. 189.047



WASHINGTON BOULEVARD  
U.S. ROUTE 1  
S.H.A. PLAT No. 12887

**PLAN**  
SCALE: 1"=60'



**BUILDING ELEVATION**

NO SCALE  
MEAN HEIGHT = 23'. THE ENTIRE BUILDING HAS THE SAME ADJOINING GRADE.

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.	
<i>Mark D. Coughlin</i> DIRECTOR	4/23/04 DATE
<i>Chris Korman</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION	4/20/04 DATE
<i>Cindy Hamada</i> CHIEF, DIVISION OF LAND DEVELOPMENT	4/23/04 DATE

DATE	NO.	REVISION

<b>OWNER</b> WEIS MARKETS, INC. 1000 SOUTH SECOND STREET SUNBURY, PA 17801-0471 717-286-3640	<b>DEVELOPER</b> CHEVY CHASE BANK 7501 WISCONSIN AVENUE 9th FLOOR - CORPORATE FACILITIES BETHESDA, MARYLAND 20814 240-497-7032
--	---

<b>PROJECT</b>	FREESTATE PARCEL A-4 CHEVY CHASE BANK SAVAGE BRANCH
<b>AREA</b>	TAX MAP 47 BLOCK 18 ZONED B-2 FREESTATE SUBDIVISION PARCEL 143 6th ELECTION DISTRICT HOWARD COUNTY, MARYLAND

<b>TITLE</b>	TITLE SHEET
--------------	-------------

**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

<i>4.1.04</i> DATE	DESIGNED BY : C.J.R.
	DRAWN BY: MAD
	PROJECT NO. 12632/1-0/ENGR PLANS/C100COV
	DATE : APRIL 5, 2004
	SCALE : AS SHOWN
	DRAWING NO. 1 OF 5

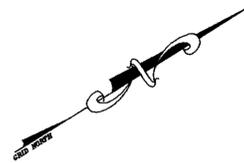
ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
A-4	9270 WASHINGTON BLVD

SUBDIVISION NAME	SECT./AREA	PARCEL
FREESTATE		A-4
PLAT NO.	BLOCK # ZONING	TAX MAP NO. ELEC. DIST. CENSUS TRACT
13267	18 B-2	47 6 6051
WATER CODE	SEWER CODE	
C05	7220000 & 5090000	

CHRISTOPHER J. REID #19943

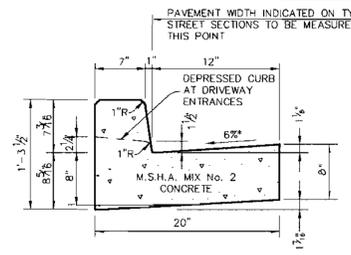
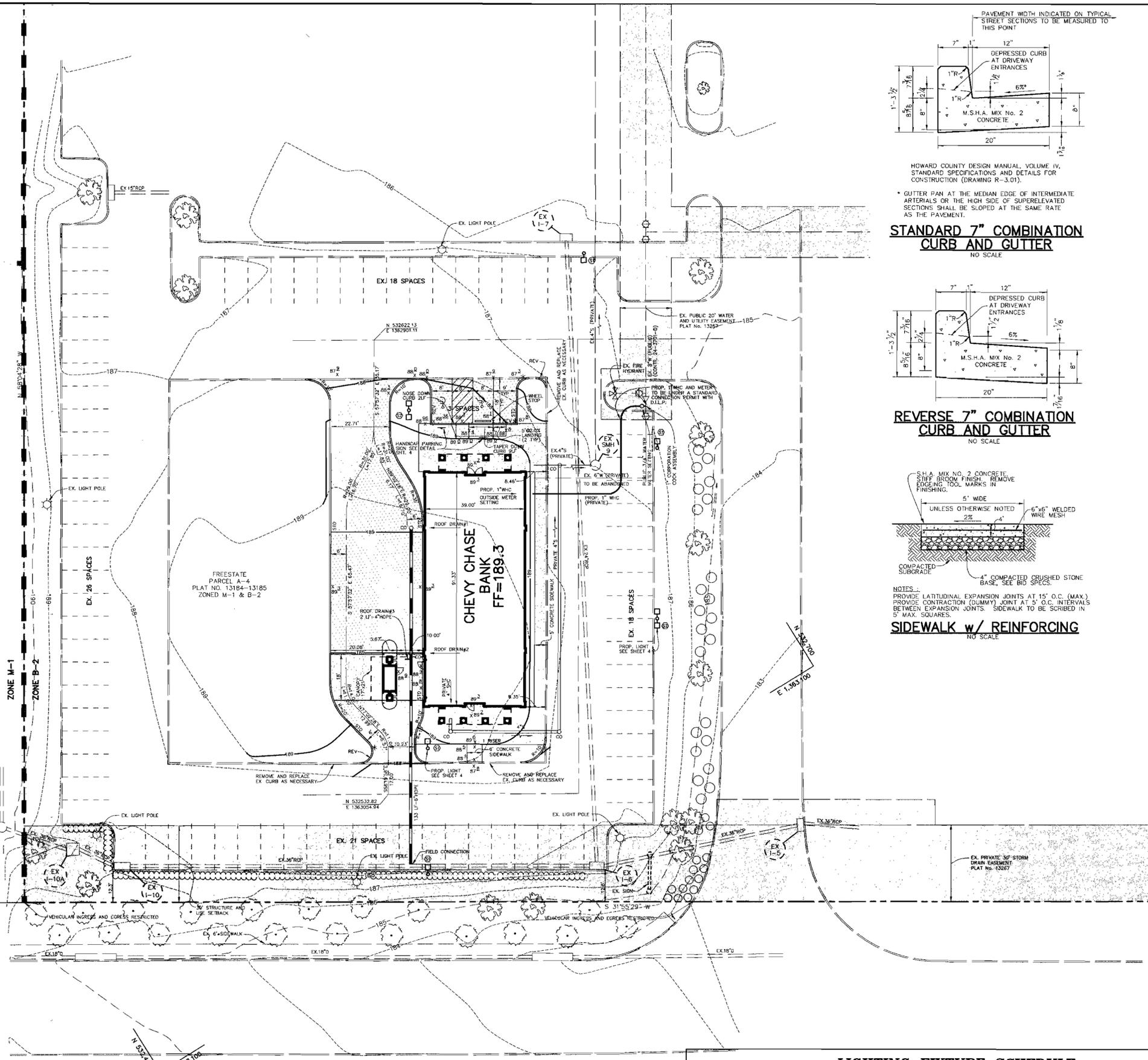
SDP-04-089

ZONE B-2  
 ZONE M-1



FREESTATE  
 PARCEL A-1  
 PLAT NO. 13184-13185  
 ZONED M-1 & B-2

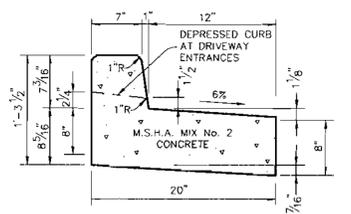
E 1,362,900  
 N 532,400



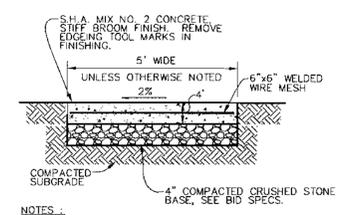
HOWARD COUNTY DESIGN MANUAL, VOLUME IV,  
 STANDARD SPECIFICATIONS AND DETAILS FOR  
 CONSTRUCTION (DRAWING R-3.01).

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

**STANDARD 7" COMBINATION  
 CURB AND GUTTER**  
 NO SCALE



**REVERSE 7" COMBINATION  
 CURB AND GUTTER**  
 NO SCALE



NOTES:  
 PROVIDE LATITUDINAL EXPANSION JOINTS AT 15' O.C. (MAX.)  
 PROVIDE CONTRACTION (DUMMY) JOINT AT 5' O.C. INTERVALS  
 BETWEEN EXPANSION JOINTS. SIDEWALK TO BE SCRIBED IN  
 5' MAX. SQUARES.

**SIDEWALK w/ REINFORCING**  
 NO SCALE

- NOTES:**
1. ALL RADII ARE 5' UNLESS OTHERWISE NOTED.
  2. ALL DIMENSIONS ARE TO FACE OF CURB OR BUILDING UNLESS OTHERWISE NOTED.
  3. ALL ON-SITE ROADS ARE PRIVATE.
  4. STD/REV/BARR.CURB \*-- DENOTES TRANSITION BETWEEN STANDARD, REVERSE & BARRIER CURB

- LEGEND**
- 450--- EXISTING 10' CONTOURS
  - 448--- EXISTING 2' CONTOURS
  - 450--- PROPOSED 10' CONTOURS
  - 448--- PROPOSED 2' CONTOURS
  - ===== PROPOSED CURB & GUTTER & BARRIER CURB
  - ===== PROPOSED STORM DRAIN
  - ~~~~~ EXISTING TREELINE
  - ~~~~~ PROPOSED TREELINE
  - [Pattern] P-1 PAVING (HO.CO. DETAIL R-2.01)
  - [Pattern] CONCRETE SIDEWALK (HO.CO. DETAIL R-3.05)
  - ===== EASEMENTS
  - LEASE LINE
  - SINGLE FIXTURE LIGHT POLE
  - DOUBLE FIXTURE LIGHT POLE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*[Signature]* 4/21/04 DATE  
 DIRECTOR

*[Signature]* 4/20/04 DATE  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

*[Signature]* 4/23/04 DATE  
 CHIEF, DIVISION OF LAND DEVELOPMENT

DATE	NO.	REVISION

<b>OWNER</b> WEIS MARKETS, INC. 1000 SOUTH SECOND STREET SUNBURY, PA 17801-0471 717-286-3640	<b>DEVELOPER</b> CHEVY CHASE BANK 7501 WISCONSIN AVENUE 9TH FLOOR - CORPORATE FACILITIES BETHESDA, MARYLAND 20814 240-497-7032
--	---

**PROJECT** FREESTATE PARCEL A-4  
**CHEVY CHASE BANK SAVAGE BRANCH**

**AREA** TAX MAP 47 BLOCK 18  
 FREESTATE SUBDIVISION PARCEL 143  
 6th ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

**TITLE** SITE DEVELOPMENT PLAN

**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

DATE 4.1.04

DESIGNED BY : C.J.R.  
 DRAWN BY: MAD  
 PROJECT NO .12632/1-0/ENGR  
 PLANS/C400SIT  
 DATE : APRIL 5, 2004  
 SCALE : 1"=20'  
 DRAWING NO. 2 OF 5

CHRISTOPHER J. REID #19949

**LIGHTING FIXTURE SCHEDULE**

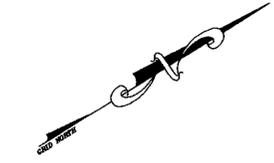
SYM	DESCRIPTION	MANUFACTURER	CATALOG No. AND VOLTAGE	QUANT.	WATT.	LAMP	REC. SURF.	WALL PEND.	REMARKS
S1	POLE AND POLE MOUNTED FIXTURE	GARCO	EH141FM250MH-120 BLAF	1	250	MH250/C/U			1
S2	POLE AND TWO POLE MOUNTED FIXTURES	GARCO	EH142FM250MH-120 BLAF	2	250	MH250/C/U			1

NOTES: 1 POLE SHALL BE GARDCO CAT No RA5-20AFD1BLA

**LEGEND**

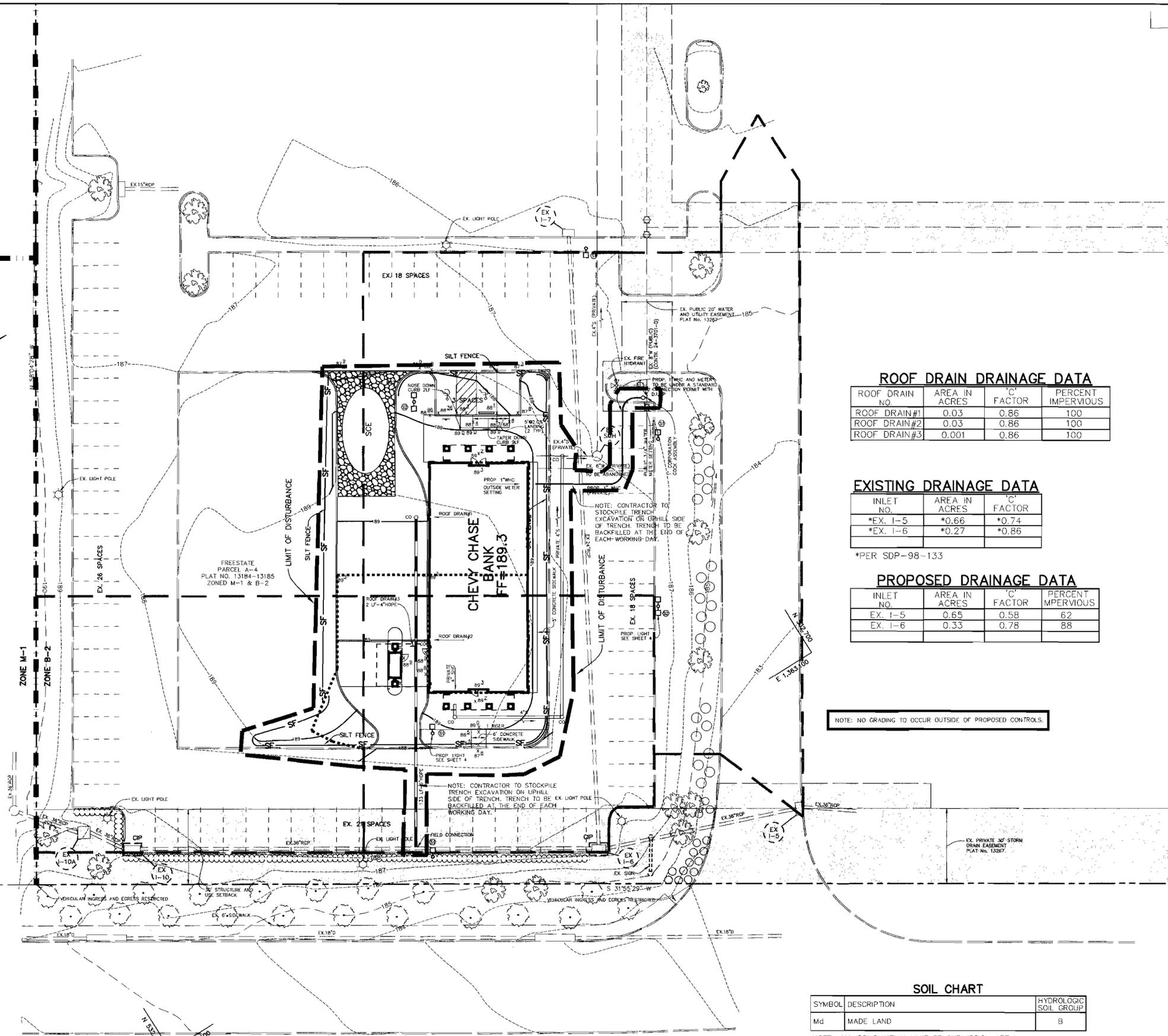
- CURB INLET PROTECTION
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- PROPOSED DRAINAGE AREA
- EXISTING DRAINAGE AREA

ZONE B-2  
 ZONE M-1



FREESTATE  
 PARCEL A-1  
 PLAT NO. 13184-13185  
 ZONED M-1 & B-2

E 1,362,000  
 N 537,400



**ROOF DRAIN DRAINAGE DATA**

ROOF DRAIN NO.	AREA IN ACRES	'C' FACTOR	PERCENT IMPERVIOUS
ROOF DRAIN#1	0.03	0.86	100
ROOF DRAIN#2	0.03	0.86	100
ROOF DRAIN#3	0.001	0.86	100

**EXISTING DRAINAGE DATA**

INLET NO.	AREA IN ACRES	'C' FACTOR
*EX. I-5	*0.66	*0.74
*EX. I-6	*0.27	*0.86

\*PER SDP-98-133

**PROPOSED DRAINAGE DATA**

INLET NO.	AREA IN ACRES	'C' FACTOR	PERCENT IMPERVIOUS
EX. I-5	0.65	0.58	62
EX. I-6	0.33	0.78	88

NOTE: NO GRADING TO OCCUR OUTSIDE OF PROPOSED CONTROLS.

**SOIL CHART**

SYMBOL	DESCRIPTION	HYDROLOGIC SOIL GROUP
Md	MADE LAND	B

NOTE: ALL SOILS WITHIN LIMIT OF SUBMISSION ARE Md

WASHINGTON BOULEVARD  
 U.S. ROUTE 1  
 S.H.A. PLAT No. 12887

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.

*Joseph E. Pearson, Jr.* 4.1.04  
 DEVELOPER 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.

*Christy S. Rea* 4.1.04  
 ENGINEER DATE

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

*Jim Meyer* 4/15/04  
 NATURAL RESOURCE CONSERVATION SERVICE DATE

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

*John R. Whitton* 4/15/04  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

*Paula D. Coughlin* 4/16/04  
 DIRECTOR DATE

*Michael D. ...* 4/20/04  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

*Christy Hamilton* 4/20/04  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE

DATE	NO.	REVISION

OWNER	DEVELOPER
WEIS MARKETS, INC. 1000 SOUTH SECOND STREET SUNBURY, PA 17801-0471 717-286-3640	CHEVY CHASE BANK 7501 WISCONSIN AVENUE 9th FLOOR - CORPORATE FACILITIES BETHESDA, MARYLAND 20814 240-497-7032

PROJECT FREESTATE PARCEL A-4  
 CHEVY CHASE BANK SAVAGE BRANCH

AREA TAX MAP 47 BLOCK 18 ZONED B-2  
 FREESTATE SUBDIVISION PARCEL 143  
 6th ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

TITLE GRADING AND SEDIMENT  
 CONTROL PLAN

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

4.1.04  
 DATE

DESIGNED BY : C.J.R.  
 DRAWN BY: MAD  
 PROJECT NO 12632/1-0/ENGR  
 PLANS/C200ESC  
 DATE : APRIL 5, 2004  
 SCALE : 1"=20'  
 DRAWING NO. 3 OF 5

CHRISTOPHER J. REID #19949

## 21.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

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

**PURPOSE**  
 TO PROVIDE A SUITABLE SOIL MEDIUM FOR VEGETATIVE GROWTH. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRADATION.

**CONDITIONS WHERE PRACTICE APPLIES**  
 I. THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:  
 --a. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.  
 --b. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.  
 --c. THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.  
 --d. THE SOIL IS SO ACIDIC THAT TREATMENT WITH LIMESTONE IS NOT FEASIBLE.

II. FOR THE PURPOSE OF THESE STANDARDS AND SPECIFICATIONS, AREAS HAVING SLOPES STEEPER THAN 2:1 REQUIRE SPECIAL CONSIDERATION AND DESIGN FOR ADEQUATE STABILIZATION. AREAS HAVING SLOPES STEEPER THAN 2:1 SHALL HAVE THE APPROPRIATE STABILIZATION SHOWN ON THE PLANS.

**CONSTRUCTION AND MATERIAL SPECIFICATIONS**  
 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.

III. TOPSOIL SPECIFICATIONS - SOIL TO BE USED AS TOPSOIL MUST MEET THE FOLLOWING:  
 --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 AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTRASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF ONDERS, STONES, SLAG, COARSE FRAGMENTS, CRACKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1-1/2" IN DIAMETER.  
 --II. TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS HERBIVORA GRASS, QUACKGRASS, JOHNSONGRASS, NUTSEDGE, POISON IVY, THISLE, 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.

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

V. FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:  
 --I. 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.  
 --b. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.  
 --c. 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 DISSIPATION OF PHYTO-TOXIC MATERIALS.

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 20.0 VEGETATIVE STABILIZATION - SECTION 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, ALTHOUGH 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 SEEDING 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 UNDER 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.  
 --c. 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.

## TEMPORARY SEEDING NOTES

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

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

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

**SEEDING** - FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (32 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. 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.

REFER TO THE 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

## 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 1984 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL AND REVISIONS THERE TO.

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 1984 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.

7. SITE ANALYSIS:

TOTAL AREA OF SITE	12.2402 ACRES
AREA DISTURBED	0.40 ACRES
AREA TO BE ROOFED OR PAVED	0.31 ACRES
AREA TO BE VEGETATIVELY STABILIZED	0.09 ACRES
TOTAL CUT	120 CU. YARDS
TOTAL FILL	120 CU. YARDS
OFFSITE WASTE AREA LOCATION TO HAVE ACTIVE GRADING PERMIT	

## PERMANENT SEEDING NOTES

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

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

**SOIL AMENDMENTS** - IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- 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.).
- 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.

**SEEDING** - FOR THE PERIOD MARCH 1 THRU APRIL 30 AND FROM AUGUST 1 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 OPTIONS:

- 2 TONS PER ACRE OF WELL-ANCHORED MULCH STRAW AND SEED AS SOON AS POSSIBLE IN THE SPRING.
- USE SOD.
- SEED WITH 60 LBS. PER ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE WELL ANCHORED STRAW.

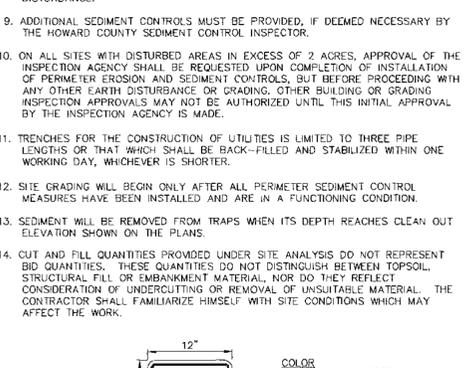
**MULCHING** - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS. PER 1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 218 GAL. PER ACRE (5 GAL. PER 1000 SQ.FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8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

**MAINTENANCE** - INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

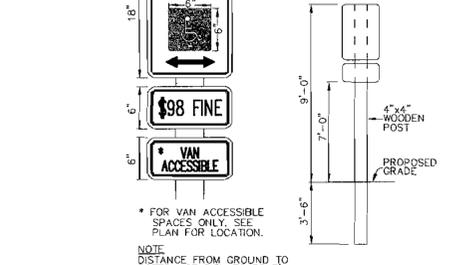
## SEQUENCE OF CONSTRUCTION

- OBTAIN GRADING PERMIT.
- INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE AND CURB INLET PROTECTION. (2 DAYS)
- BEGIN ROUGH GRADING AND BUILDING CONSTRUCTION.
- AS SUBGRADE ELEVATIONS ARE ESTABLISHED, INSTALL STORM DRAIN, WATER AND SEWER. (2 WEEKS)
- INSTALL CURB AND GUTTER AND PAVE. (2 WEEKS)
- PERFORM FINE GRADING, LANDSCAPING AND SIDEWALKS. (1 WEEK)
- APPLY TOPSOIL AND STABILIZE DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES. (2 DAYS)
- COMPLETE BUILDING CONSTRUCTION. (6 MONTHS)
- UPON PERMISSION OF COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES AND STABILIZE DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES. (1 DAY)

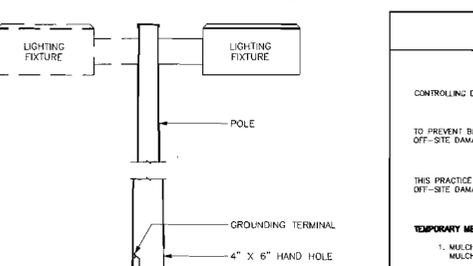
## RESERVED PARKING



## HANDICAP SIGN DETAIL



## ACCESS AISLE SIGN



## 30.0 - DUST CONTROL

**DEFINITION**  
 CONTROLLING DUST BLOWING AND MOVEMENT ON CONSTRUCTION SITES AND ROADS.

**PURPOSE**  
 TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES, REDUCE ON AND OFF-SITE DAMAGE, HEALTH HAZARDS, AND IMPROVE TRAFFIC SAFETY.

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

**SPECIFICATIONS**

**TEMPORARY METHODS**

- MULCHES - SEE STANDARDS FOR VEGETATIVE STABILIZATION WITH MULCHES ONLY MULCH SHOULD BE GRIPPED OR TACKED TO PREVENT BLOWING.
- VEGETATIVE COVER - SEE STANDARDS FOR TEMPORARY VEGETATIVE COVER.
- TILLAGE - TO ROUGHEN SURFACE AND BRING CLOSD TO THE SURFACE, THIS IS AN 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-TIPPED HARROWS, AND DISC PLOWS ARE EXAMPLES OF EQUIPMENT WHICH MAY PRODUCE THE DESIRED EFFECT.
- IRRIGATION - THIS IS GENERALLY DONE AS AN EMERGENCY 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.
- BARRIERS - SOLID BOARD FENCES, SILT FENCES, SNOW FENCES, BURLAP FENCES, STRAW BALES, AND SIMILAR 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 SOIL BLOWING.
- CALCULUM CHLORIDE - APPLY AT RATES THAT WILL KEEP SURFACE MOIST. MAY NEED RETREATMENT.

**PERMANENT METHODS**

- 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.
- TOPSOILING - COVERING WITH LESS EROSION SOIL MATERIALS. SEE STANDARDS FOR TOPSOILING.
- STONE - COVER SURFACE WITH CRUSHED STONE OR COARSE GRAVEL.

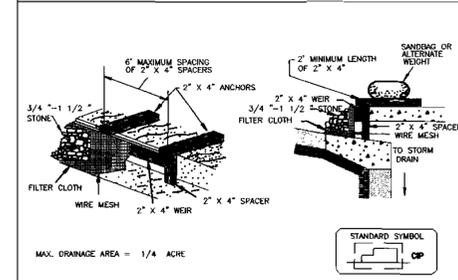
**REFERENCES**

- AGRICULTURE HANDBOOK 348, WIND EROSION FORCES IN THE UNITED STATES AND THEIR USES IN PREVENTING SOIL LOSS.
- AGRICULTURE INFORMATION BULLETIN 354, HOW TO CONTROL WIND EROSION, USDA-ARS.

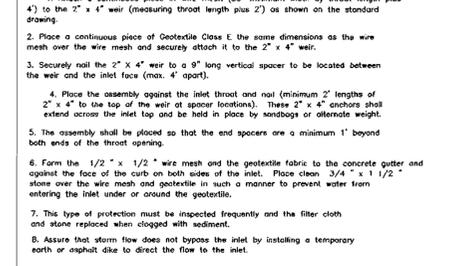
## LIGHT POLE DETAIL



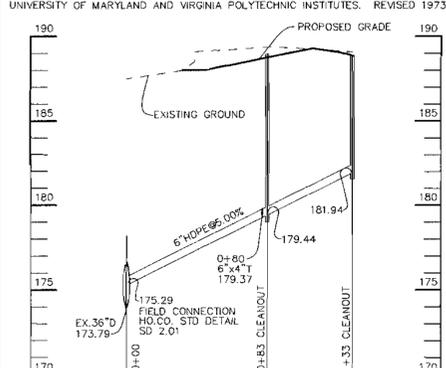
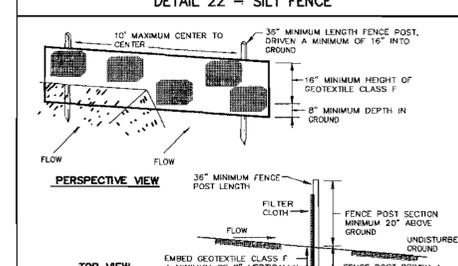
## DETAIL 23C - CURB INLET PROTECTION



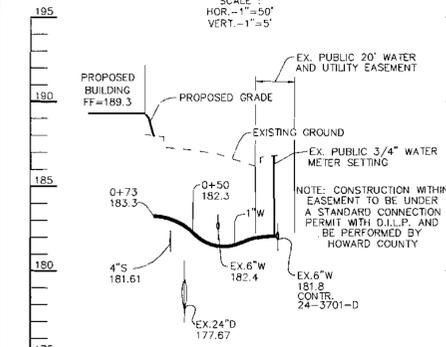
## DETAIL 22 - SILT FENCE



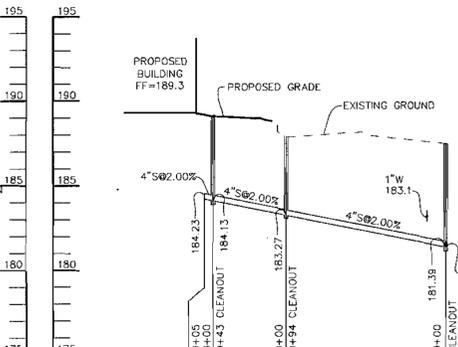
## DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



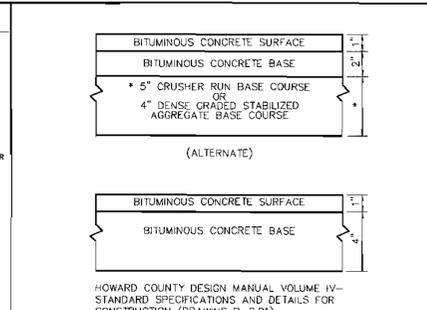
## STORM DRAIN PROFILE



## WATER PROFILE



## SEWER PROFILE



## P-1 PAVING

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.

DEVELOPER: *Joseph B. Pearson, Inc.* DATE: 1-1-04

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: *Chet J. Rowe* DATE: 1-1-04

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

REVIEWER: *Jim Myers* DATE: 1/15/04

HOWARD SOIL CONSERVATION DISTRICT

APPROVED: *John P. Roberts* DATE: 1/15/04

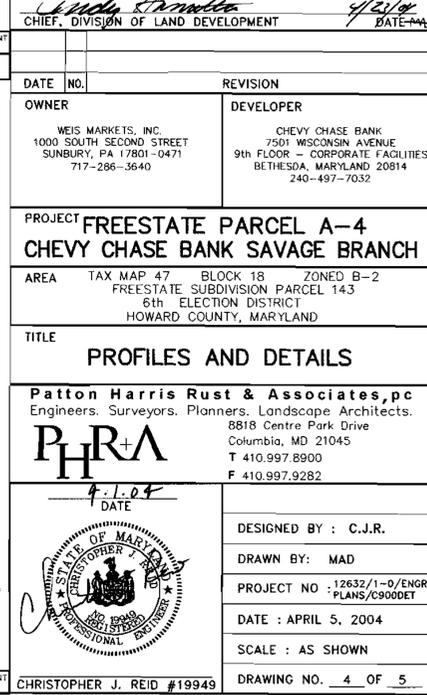
HOWARD SOIL CONSERVATION DISTRICT

DIRECTOR: *Frank D. Laughlin* DATE: 1/20/04

CHIEF, DEVELOPMENT ENGINEERING DIVISION

CHIEF, DIVISION OF LAND DEVELOPMENT: *Joseph Stranahan* DATE: 1/20/04

U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE 16	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE	PAGE 16	MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION
DATE NO.	REVISION	
OWNER WEIS MARKETS, INC. 1000 SOUTH SECOND STREET SUNBURY, PA 17801-0471 717-286-3640	DEVELOPER CHEVY CHASE BANK 7501 WISCONSIN AVENUE 9TH FLOOR - CORPORATE FACILITIES BETHESDA, MARYLAND 20814 240-497-7032	
PROJECT: FREESTATE PARCEL A-4 CHEVY CHASE BANK SAVAGE BRANCH		
AREA: TAX MAP 47 BLOCK 18 ZONED B-2 FREESTATE SUBDIVISION PARCEL 143 6TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND		
TITLE: PROFILES AND 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: MAD		
PROJECT NO.: 12632/1-0/ENR PLANS/0900ET		
DATE: APRIL 5, 2004		
SCALE: AS SHOWN		
DRAWING NO.: 4 OF 5		
CHRISTOPHER J. REID #19949		

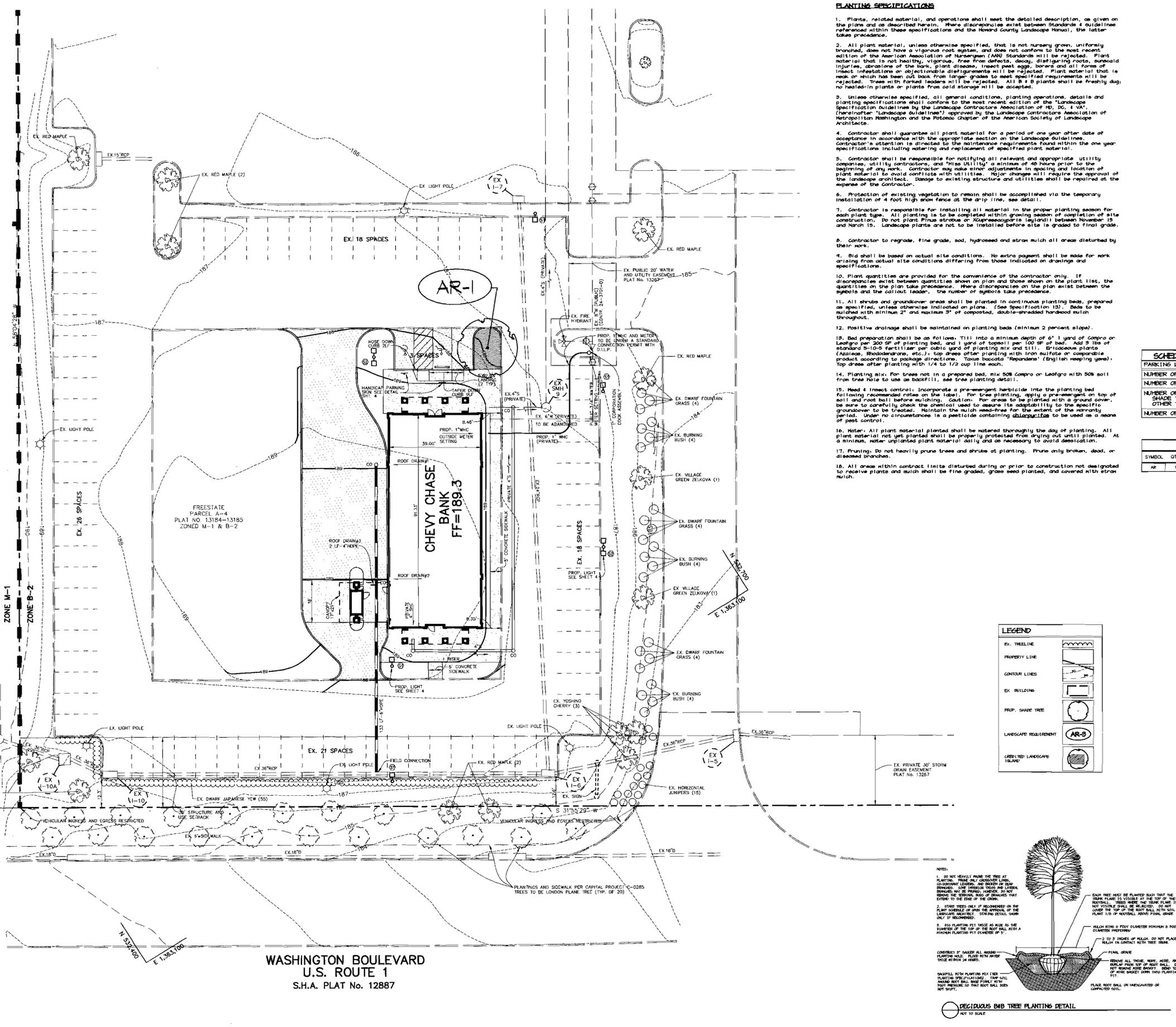


## SDP-04-089

ZONE B-2  
 ZONE M-1

FREESTATE PARCEL A-1  
 PLAT NO. 13184-13185  
 ZONED M-1 & B-2

E 1,362,900  
 N 534,700



**PLANTING SPECIFICATIONS**

- 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.
- 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 on objectionable disfigurements will be rejected. Plant material that is weak or which has been cut back from longer grades to meet specified requirements will be rejected. Trees with forked leaders will be rejected. All B & B plants shall be freshly dug; no field-in plants or plants from cold storage will be accepted.
- 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.
- 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.
- Contractor shall be responsible for notifying all relevant and appropriate utility companies, utility contractors, and Home Utilities 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 structures and utilities shall be repaired at the expense of the contractor.
- Protection of existing vegetation to remain shall be accomplished via the temporary installation of a 4 foot high row fence at the drip line, see detail.
- 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 X-mas evergreens (Redmill) between November 15 and March 15. Landscape plants are not to be installed before site is graded to final grade.
- Contractor to regrade, fine grade, sod, hydroseed and straw mulch all areas disturbed by their work.
- 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.
- 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.
- 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-shaded hardwood mulch throughout.
- Positive drainage shall be maintained on planting beds (minimum 2 percent slope).
- Bed preparation shall be as follows: Till into a minimum depth of 6" 1 yard of Compro or Leagrass per 200 SF of planting bed, and 1 yard of topsoil per 100 SF of bed. Add 8 lbs of standard 9-10-5 fertilizer per cubic yard of planting mix and till. Biodegradable plants (Azaleas, Rhododendrons, etc.) top dress after planting with Iron Sulphate or comparable product according to package directions. "Toussiea bicolor" (English Weeping Yew), top dress after planting with 1/4 to 1/2 cup lime wash.
- Planting mix: For trees not in a prepared bed, mix 50% Compro or Leagrass with 50% soil from tree hole to use as backfill. See site planting detail.
- Head & 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 ball 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 glyphosate to be used as a means of pest control.
- Note: 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 daily and as necessary to avoid desiccation.
- Pruning: Do not heavily prune trees and shrubs at planting. Prune only broken, dead, or diseased branches.
- 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.

- GENERAL NOTES**
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
  - FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING MUST BE POSTED AS PART OF THE GRADING PERMIT IN THE AMOUNT OF \$500.  
 1. SHADE TREES @ \$500 = \$500  
 2. DECIDUOUS TREES @ \$150 = \$0  
 3. EVERGREEN TREES @ \$150 = \$0  
 4. SHRUBS @ \$50 = \$0
  - THIS PLAN IS FOR LANDSCAPING PURPOSES ONLY.
  - CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES, PROCEDURES, AND SAFETY PRECAUTIONS AND PROGRAMS.
  - 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.
  - 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.
  - 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.
  - 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 INSTALLATION" TO THE DEVELOPMENT PLAN AND/OR PENALTY IN THE RELEASE OF LANDSCAPE SURETY.
  - REVIEWER LANDSCAPE REQUIREMENTS PROVIDED UNDER SUPP-40183

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, I/WE CERTIFICATION OF LANDSCAPE INSTALLATION, ACCOMPANIED BY AN EXHIBITED ONE YEAR GUARANTEE OF PLANT SURVIVAL, WILL BE SUBMITTED TO THE DEPARTMENT OF PLANNING AND ZONING.

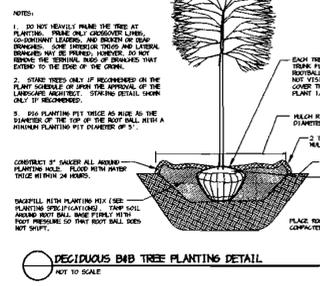
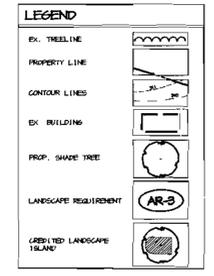
Joseph B. Pearson  
 DATE

**SCHEDULE B - PARKING LOT INTERNAL LANDSCAPING**

PARKING LOT	1
NUMBER OF PARKING SPACES	3
NUMBER OF SHADE TREES REQUIRED (1/20 SPACES)	1
NUMBER OF TREES PROVIDED	1
SHADE TREES	-
OTHER TREES (2:1 SUBSTITUTION)	-
NUMBER OF ISLANDS PROVIDED	1

**PARKING LOT PLANT LIST**

SYMBOL	QTY.	SCIENTIFIC COMMON NAME	SIZE	ROOT	REMARKS
AR	1	Acacia, "Fleming Red Gum"	2.5" - 3" cal	BRB	Plant on island



WASHINGTON BOULEVARD  
 U.S. ROUTE 1  
 S.H.A. PLAT No. 12887

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING.

DIRECTOR: *Mark A. Laughton* 4/24/04  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 DATE

*Mike Drummond* 4/20/04  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 DATE

*Cindy Kanitz* 4/20/04  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 DATE

DATE NO.	REVISION
OWNER	DEVELOPER

OWNER: WEIS MARKETS, INC.  
 1000 SOUTH SECOND STREET  
 SUNBURY, PA 17001-0471  
 717-286-3640

DEVELOPER: CHEVY CHASE BANK  
 7501 WISCONSIN AVENUE  
 9th FLOOR - CORPORATE FACILITIES  
 BETHESDA, MARYLAND 20814  
 240-497-7032

PROJECT: FREESTATE PARCEL A-4  
 CHEVY CHASE BANK SAVAGE BRANCH

AREA: TAX MAP 47 BLOCK 18 ZONED B-2  
 FREESTATE SUBDIVISION PARCEL 143  
 6th ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND

TITLE: LANDSCAPE PLAN

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: K.L.M.  
 DRAWN BY: K.L.M.  
 PROJECT NO. 12632/1-0/ENGR  
 PLANS/L200LND  
 DATE: APRIL 5, 2004  
 SCALE: 1"=20'  
 DRAWING NO. 5 OF 5

STATE OF MARYLAND  
 SCOTT R. WOLFORD #797