LYNDWOOD SQUARE PARCEL A-7

1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SITE DEVELOPMENT PLAN

TALLES-ROBBINS DEVELOPMENT CO. LIBER 3828, FOLIO 376 LIBER 2041, FOLIO 258

PARCEL 687 (A-1)

LYNDWOOD BUSINESS PARK ASSCIATION INC LIBER 3828, FOLIO 372

PARCEL 687 (A-6) ZONED: PEC

LYNDWOOD SQUARE

LYNDWOOD SQUARE

LIBER 5918, FOLIO 429 PARCEL 687 (A-8)

LYNDWOOD SQUARE PARCEL A-8

PLAT NO. 12509

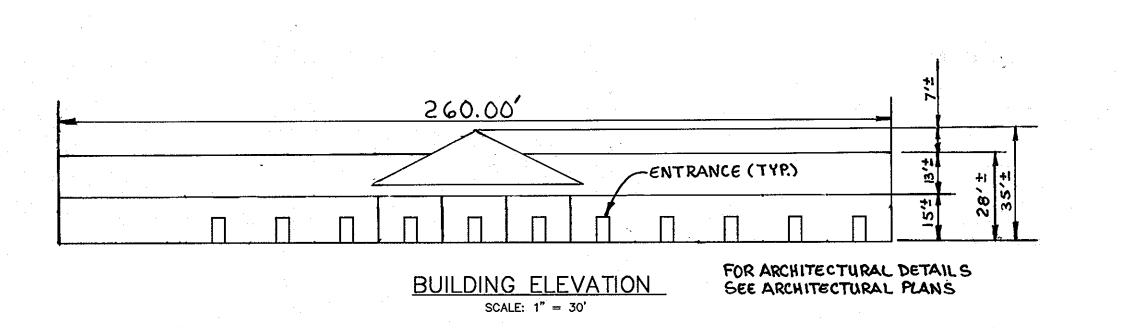
SCALE: 1" = 50'

PARCEL A-2

GENERAL NOTES

- THE SUBJECT PROPERTIES ARE ZONED B-2 AND PEC PER ZB 877R+M DATED MAY 1990 AND ZB1005M DATED JUNE 21, 2000 AND THE 02/02/04 "COMPREHENSIVE PLAN"
- 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 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 AND RECEIVE CONFORMATION THAT ALL UTILITIES HAVE BEEN MARKED BEFORE PROCEEDING WITH SITE WORK.
- 5. ALL DIMENSIONS ARE TO THE FACE OF CURB UNLESS OTHERWISE NOTED
- THE CONTOURS SHOWN HEREON HAVE BEEN TAKEN FROM FIELD RUN TOPOGRAPHIC SURVEYS AT 2' INTERVAL. PREPARED BY PATTON HARRIS RUST & ASSOCIATES
- 7. THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLANE COORDINATE SYSTEM. HOWARD COUNTY MONUMENTS NOS. 37BA AND 37BB WERE USED FOR THIS PROJECT.
- WATER AND SEWER FOR THIS SUBDIVISION IS PUBLIC AND LOCATED WITHIN THE PATAPSCO DRAINAGE AREA. SEWER AND WATER CONTARACT No. 14-3531-D
- 10. THERE ARE NO WETLANDS OR FLOODPLAIN WITHIN THE AREA OF THIS PROPERTY
- 11. EXISTING UTILITIES WERE LOCATED FROM RECORD DRAWINGS.
- 12. UNLESS NOTED AS "PRIVATE" ALL EASEMENTS ARE PUBLIC.
- CONTRACTOR SHALL ADJUST ALL UTILITIES, RIM ELEVATIONS AND INVERT ELEVATIONS AS NEEDED TO MATCH THIS PLAN.
- 14. ALL EXTERIOR LIGHTING SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL VOLUME III (1993), ZONING SECTION 134 AND AS SHOWN ON THESE PLANS.
- 15. THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- 16. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING WILL BE POSTED AS PART OF
- THE GRADING PERMIT IN THE AMOUNT OF \$9060.00. THIS PROJECT IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE IT IS WITHIN THE LIMITS OF DISTURBANCE PREVIOUSLY GRADED UNDER SDP-96-92
- THE LIMITS OF CLEARING SHOWN ON APPROVED PRELIMINARY PLAN P-93-11, WILL BE "GRAND FATHERED" FOR THE PURPOSE OF STATE OR HOWARD COUNTY FOREST CONSERVATION PROGRAM, II CLEARING OR GRADING OF FOREST RESOURCE ON A SITE DEVELOPMENT PLAN FOR A PEC OR B-2 ZONED PARCEL EXCEEDS THE CLEARING SHOWN ON THE APPROVED PRELIMINARY PLAN BY 40,000 SQUARE FEET OR MORE, THE SITE PLAN WILL BE SUBJECT TO COMPLIANCE WITH THE REQUIREMENTS OF THE HOWARD
- MAINTENANCE AGREEMENTS FOR THE USE-IN-COMMON ACCESS EASEMENTS FOR PARCELS A-1, A-2, A-6, A-7, A-8, A-9 AND E-1 HAVE BEEN RECORDED IN LIBER 4158 AT FOLIO 649
- STORMWATER MANAGEMENT QUALITY AND QUANTITY FOR THIS PARCEL IS PROVIDED BY A RETENTION FACILITY CONSTRUCTED UNDER SDP-96-92 ON PARCEL A-6.

	SHEET INDEX
NO.	DESCRIPTION
1	TITLE SHEET
2 .	SITE DEVELOPMENT AND GRADING PLAN
3	SEDIMENT AND EROSION CONTROL PLAN
4	SEDIMENT AND EROSION NOTES AND DETAILS
5	STORM DRAIN DRAINAGE AREA MAP
6	LANDSCAPE PLAN, NOTES AND DETAILS



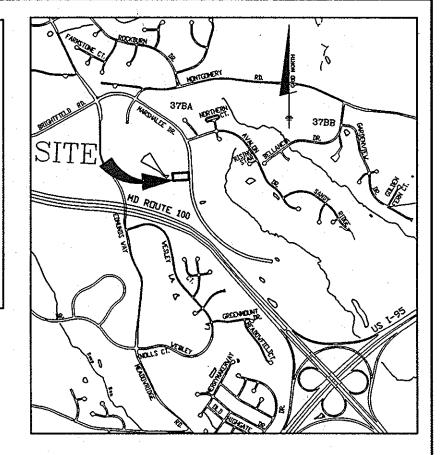
N 561,750

	PERMIT INFORMATION CHART						
	LOT/PARCEL# PARCEL A-1		SECTION/AREA		SUBDIVISION NAME LYNDWOOD SQUARE PARCEL A-7		
DEVELO							
	CENSUS 6011.01	ELEC. DIST.	TAX MAP	ZONE B-2 PEC	GRID No.	PLAT No. 15544 17995	

BENCH MARKS NAD '83 HO. CO. 37BA STAMPED DISC ON CONCRETE MONUMENT LOCATED 25.1' SOUTH OF MONTGOMERY ROAD CENTERLINE AND 64' WEST OF ENTRANCE N 569785.618 E 1376343.172

HO. CO. 37BB ELEV. 373.822 STAMPED DISC ON CONCRETE MONUMENT LOCATED NORTH OF MONGOMERY ROAD AT 16.3' NORTHEASTOF FIRST GUARD RAIL POST AND

12.6' NORTHWEST OF SECOND GUARD RAIL POST AND 3.5' SOUTH IF SIDEWALK N 563663.415



SCALE: 1"=2000'

- SITE ANALYSIS DATA CHART B.) AREA OF PLAN SUBMISSION:
 C.) LIMIT OF DISTURBANCE AREA:
 D.) PRESENT ZONING:
- PROPOSED USES FOR SITE AND STRUCTURES F.) SQUARE FOOT AREA
 PARKING IS PROVIDED BASED ON SPECIFIC USES.
 G.) NUMBER OF PARKING SPACES REQUIRED BY HOWARD
- COUNTY ZONING REGULATIONS (PER SECTION
 133.D OF THE ZONING REGULATIONS AT
 5 PARKING SPACES PER 1,000 SF OF BUILDING):
 H.) NUMBER OF PARKING SPACES PROVIDED ON SITE:
 (INCLUDING 3 HANDICAPPED PARKING SPACES):
- I.) TOTAL NUMBER OF UNITS ALLOWED
 AS SHOWN ON FINAL PLAT:
 J.) TOTAL NUMBER OF UNITS PROPOSED ON SUBMISSION:
 K.) MAXINDER NUMBER OF EMPLOYEES, TENANTS ON
- SITE PER USE: L.) BUILDING COVERAGE OF SITE: F-02-29, F-97-95, F-96-15, F-94-96, F-96-131, P-93-11,S-93-02, ZB-877 R+M, ZB 005M M.) APPLICABLE DPZ FILE REFERENCES:
- N.) ANY OTHER INFORMATION WHICH MAY BE RELEVANT: O.) NO CHANGE IN USE IS PERMITTED UNLESS IT COMPLIES WITH THE PARKING REQUIREMENTS OF ZONING SECTION 133 AND IS APPROVED BY THE DEPARTMENT OF PLANNING AND ZONING.

1.2 AC.± 1.2 AC.± 0.93 AC.±

54 SPACES 60 SPACES

B-2 AND PEC ONE STORY BUILDING/RETAIL USE 10,807 SF

- 3 11-20-09 ADDED 5'x 29.67' TO FRONT & 7'x17' TO REAR OF BUILDING AND REVISE S.F.
- 2 12-8-08 ADDED 7'x 20' TO REAR OF BUILDING AND REVISE, S. F.
- 1 7-6-06 REVISE SCHEMATIC BUILDING ELEVATION TO MATCH ARCHITECTURAL PLANS **REVISION** NO. DATE

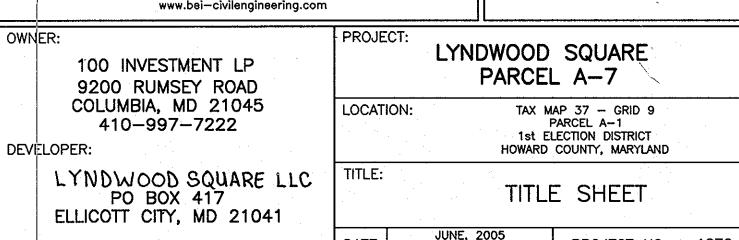
BENCHMARK

• ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS

ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE ▲ SUITE 418

ELLICOTT CITY, MARYLAND 21043 PHONE: 410-465-6105 FAX: 410-465-6644 www.bei-civilengineering.com

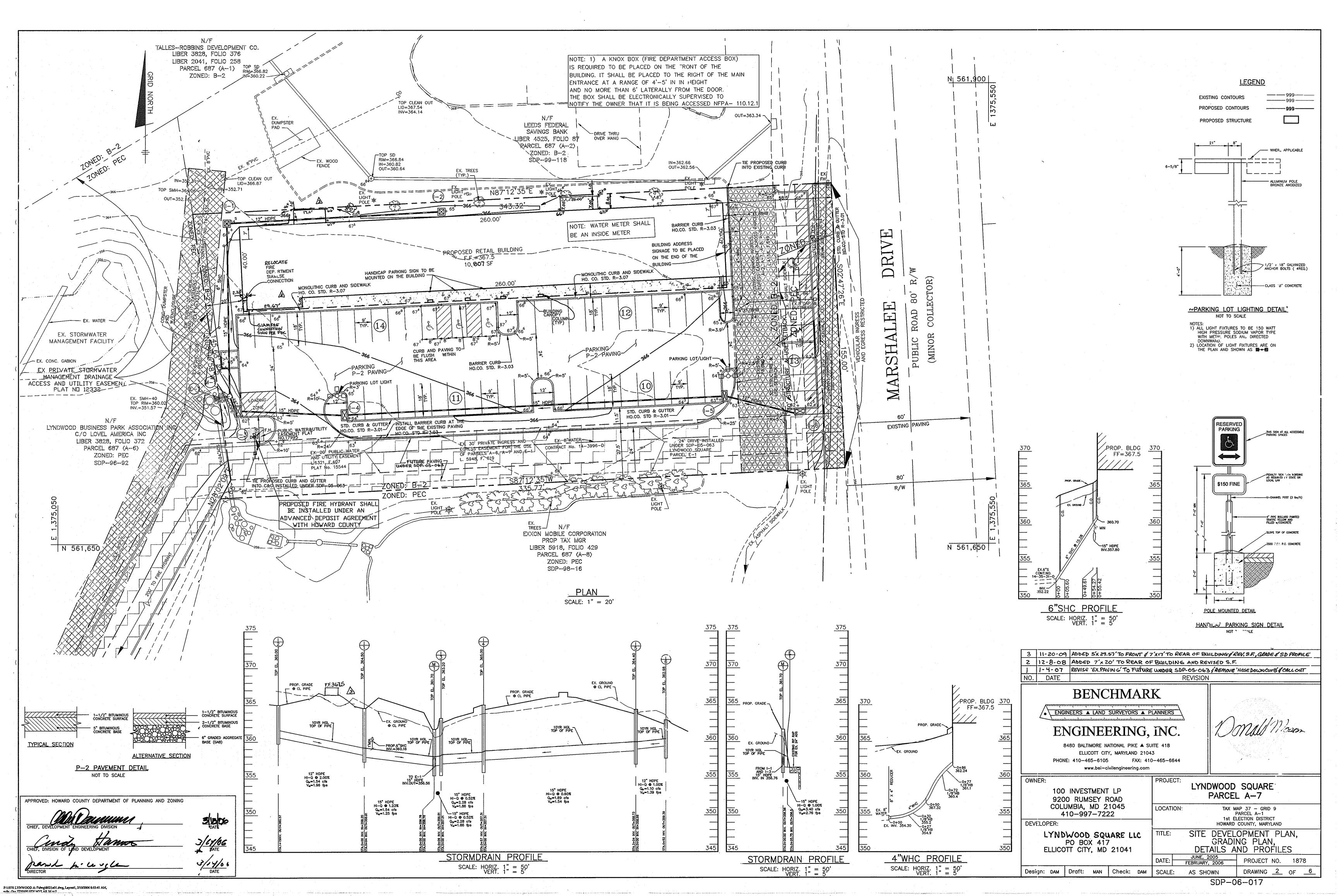


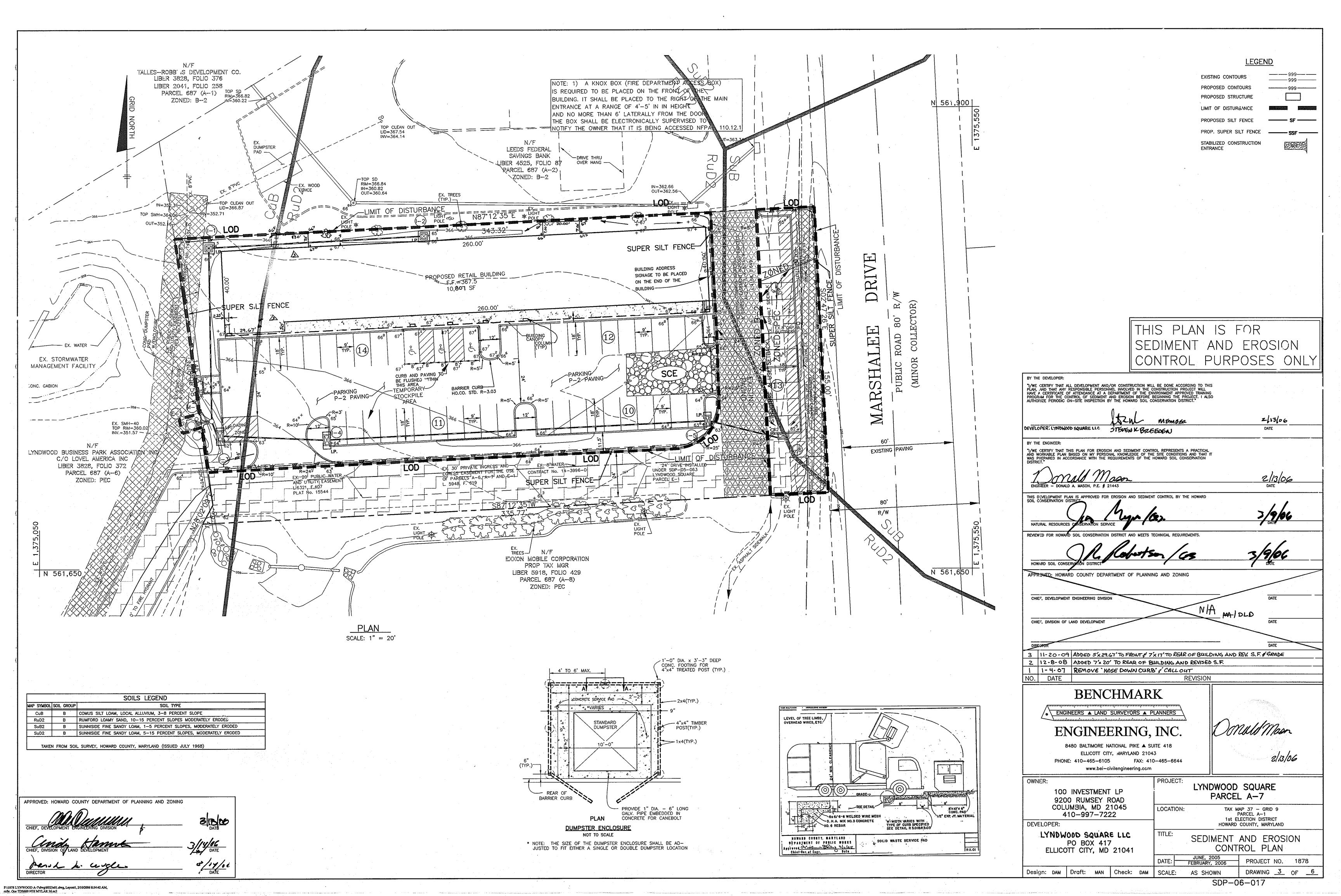
PA1878 LYNWOOD A-7/dwg/8009s01.dwg, Layouti, 2/10/2006 8:47:02 AM, mfw. Oce TDS600 HDI MYLAR 36.pc3

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Draft: MAN Check: DAM

DATE: |-PROJECT NO. 1878 DRAWING 1 OF 6SDP-06-017





PERMANENT SEEDING NOTES

Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil be raking, discing or other acceptable means before seeding. (If not previously loosened) Soil Amendments: In lieu of soil test recommendations, use on the following

- 1) Preferred Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf) 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/1000 sf).
- Acceptable Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sf) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sf) before seeding. Harrow or disc into upper three inches of soil.

Seeding: For the periods March 1 through April 30 and August 1 through October 15, seed with 60 lbs per acre (1.4 lbs/1000 sf) of Kentucky 31 Tall Fescue. For the period May 1 through July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.05 lbs/1000 sf) of Weeping Lovegrass. During the period of October 16 through February 28, protect site by: Option 1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option 2) use sod. Option 3) seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1-1/12 to 2 tons per acre (70 to 90 lbs/1000 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348

gallons per acre (8 gal/1000 sf) for anchoring. Maintenance: Inspect all seeded areas and make needed repairs, replacements

TEMPORARY SEEDING NOTES

and reseedings.

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 loosened)

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

Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sf). For the period May 1 through August 14, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf). For the period November 16 through 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/1000 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

Refer to the 1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control for rate and methods not covered.

SEDIMENT CONTROL NOTES

on the project site.

Area to be Disturbed:....

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections and Permits, Sediment Control Division prior to the start of any
- construction (313-1855). 2. All vegetative and structural practices are to be installed accordingly to the provisions of this plan and are to be in conformance with the most current
- 'Maryland Standards and Specifications for Soil Erosion and Sediment Control", Following initial soil disturbances or redisturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 calendar days as to all other disturbed or graded areas
- 4. All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the "Howard
- County Design Manual, Storm Drainage" 5. All disturbed areas must be stabilized within the time period specified above in accordance with the "1994 Maryland Standards and Specifications for Soil Erosion and Sediment Control" for Permanent Seedings (Sec. 51) Sod (Sec. 54), Temporary Seeding (Sec. 50) and Mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and
- establishment of grasses. 6. All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has
- been obtained from the Howard County Sediment Control Inspector. Site Analysis: Total Area of Site: ...0.93± acres
-0.92± acres Area to be roofed or paved:..... Area to be vegetatively stabilized:.....0.27± acres

- 8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- Additional sediment controls must be provided, if deemed necessary by the Howard County DPW 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. . Trenches for the construction of utilities is limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.
- 12. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction. * It is the responsibility of the contractor to identify the spoil/borrow site and notify and gain approval from the sediment control inspector

of the site and it's grading permit number at the time of construction.

BY THE DEVELOPER: "I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON—SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

STEVEN K BREEDEN BY THE ENGINEER

DEVELOPER-LYNDWOOD SQUARE

"I/WE 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."

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

MEMBER

HOWARD SOIL CONSERVATION DISTRIC

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING 31300

SUPER SILT FENCE DETAIL 33 - SUPER SILT FENCE DETAIL 23C - CURB INLET PROTECTION (COG OR COS INLETS) CONSTRUCTION SPECIFICATIONS NOTE: FENCE POST SPACING . Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts. SHALL NOT EXCEED 10' CENTER TO CENTER LAYER OF FILTER CLOTH OVER . Chain link fence shall be fastened securely to the fence posts with wire ties. The required except on the ends of the fence. Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section. GROUND_ SURFACE Filter cloth shall be embedded a minimum of 8" into the ground. \sum . When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded. Maintenance shall be performed as needed and silt buildups removed when "bulges develop in the silt fence, or when silt reaches 50% of fence height . Filter cloth shall be fastened securely to each fence post with wire ties or staples a STANDARD SYMBOL PERSPECTIVE VIEW __2~1'/'2~" Dia. GALVANIZED OR SSF----CHAIN LINK FENCE -SUPER SILT FENCE DESIGN CRITERIA _2~1'/'2~" Dia. GALVANIZED OR Slope Length Silt Fence Length ALUMINUM FENCE POST (maximum) 16" MIN. 1st LAYER 0 - 10:1 Unlimited Unlimited FLOW 10:1 - 5:1 200 feet 1,500 feet 10 - 20% 1,000 feet 100 feet 5:1 - 3:1 MIN. 8" INTO GROUNS

extend across the inlet top and be held in place by sandbags or alternate weight.

100 feet 500 feet 3:1 - 2:1 250 feet 2:1 + 50% + MARYLAND DEPARTMENT OF ENVIRONMENT U.S. DEPARTMENT OF AGRICULTURE WATER MANAGEMENT ADMINISTRATION SOIL CONSERVATION SERVICE

-2' MINIMUM LENGTH OF 2" X 4"

1. Attach a continuous piece of wire mesh (30" minimum width by throat length plus 4') to the 2" x 4" weir (measuring throat length plus 2') as shown on the standard 2. Place a continuous piece of Geotextile Class E the same dimensions as the wire mesh over the wire mesh and securely attach it to the 2" x 4" weir. . Securely nail the 2" X 4" weir to a 9" long vertical spacer to be located between 4. Place the assembly against the inlet throat and noil (minimum 2' lengths of 2" x 4" to the top of the weir at spacer locations). These 2" x 4" anchors shall

5. The assembly shall be placed so that the end spacers are a minimum 1' beyond 6. Form the 1/2 " x 1/2 " wire mesh and the geotextile fabric to the concrete gutter and against the face of the curb on both sides of the inlet. Place clean 3/4 " x 1 1/2 " stone over the wire mesh and geotextile in such a manner to prevent water from entering the inlet under or around the geotextile. 7. This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment. 8. Assure that storm flow does not bypass the inlet by installing a temporary

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE

U.S. DEPARTMENT OF AGRICULTURE PAGE MARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE E - 16 - 58 WATER MANAGEMENT ADMINISTRATION MARYLAND DEPARTMENT OF ENVIRONMENT

10' MAXIMUM CENTER TO CENTER 36" MINIMUM LENGTH FENCE POST, DRIVEN A MINIMUM OF 16" INTO GROUNE " MINIMUM HEIGHT OF GEOTEXTILE CLASS F 8" MINIMUM DEPTH IN FLOW PERSPECTIVE VIEW FENCE POST SECTION MINIMUM 20" ABOVE STAPLE-TO THE PROPERTY OF THE PARTY OF JOINING TWO ADJACENT SILT FENCE SECTIONS EMBED GEOTEXTILE CLASS F
A MINIMUM OF 8" VERTICALLY FENCE POST DRIVEN A TOP VIEW THE GROUND CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

DETAIL 22 - SILT FENCE

Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 11/2" x 11/2" square (minimum) cut, or 13/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighing not less than 1.00 pond per linear foot. Geotextile shall be fastened securely to each fence post with wire ties or staples of

. Where ends of geotextile fabric come together, they shall be overlapped, folded

DETAIL 23B - AT GRADE INLET PROTECTION

SILT FENCE DESIGN CRITERIA Silt Fence Length Slope Steepness Slope Length Flatter than 50:1 unlimited unlimited 125 feet 1,000 feet 50:1 to 10:1 100 feet 750 feet 10:1 to 5:1 5:1 to 3:1 60 feet 500 feet 3:1 to 2:1 250 feet 40 feet 2:1 and steeper 125 feet Note: In areas of less than 2% slope and sandy soils (USDA general classification system, soil Class A) maximum slope length and silt fence length will be unlimited. In these areas a silt fence may be the only perimeter control

SILT FENCE

U.S. DEPARTMENT OF AGRICULTURE PAGE WARYLAND DEPARTMENT OF ENVIRONMENT SOIL CONSERVATION SERVICE E - 15 - 3 WATER MANAGEMENT ADMINISTRATION SOIL CONSERVATION SERVICE E - 15 - 3A WATER MANAGEMENT ADMINISTRATION

TOPSOIL SPECIFICATIONS

Topsoil salvaged from the existing site may be used provided that it meets that 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 Experimental Station. II. Topsoil Specifications - Soil to be used as topsoil must meet the following:

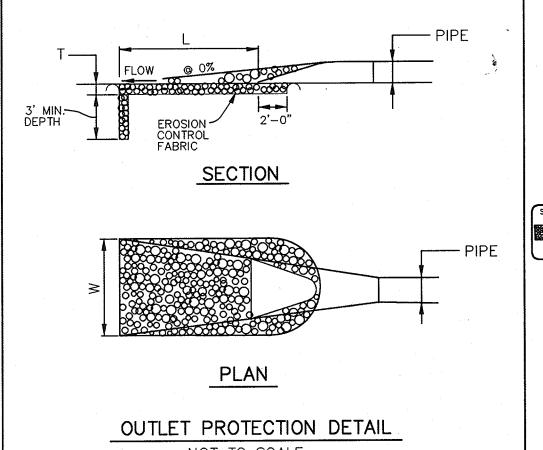
- Topsoil shall be a loam, sandy loam, clay loam, silt loam, sandy clay loam, loamy sand. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a mixture of contrasting texture subsoils and shall contain less than 5% by
- Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nutsedge, poison ivy, thistle, or others as specified.
- iii. Where the 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.
- III. For sites having disturbed areas under 5 acres:
- Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization Section I Vegetative Stabilization Methods and
- IV. For sites having disturbed areas over 5 acres:
- 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 or topsoil shall be not less than 1.5 percent by weight.
- c. Topsoil having soluble salt content greater than 500 parts per million shall
- 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 or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of

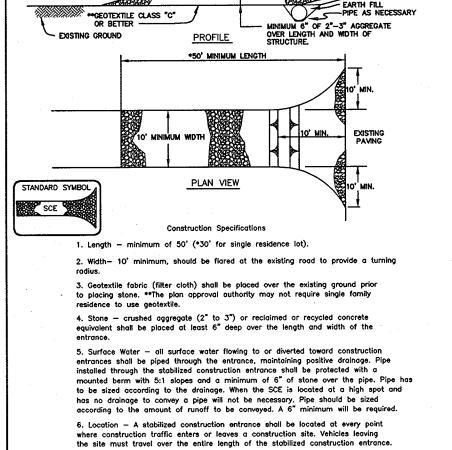
Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization — Section 1 — Vegetative Stabilization Methods and Materials.

V. Topsoil Application

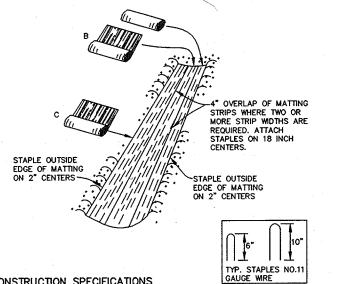
- diversions, grade stabilization structures, earth dikes, slope silt fence and sediment traps and basins.
- Grades on the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" 8" higher in elevation.
- iii. Topsoil shall be uniformly distributed in a 4" 8" layer 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
- 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.
- Alternative for Permanent Seeding Instead of applying the full amounts of lime and commercial fertilizer, composted sludge and amendments may be applied as specified
- Composted Sludge Material for use as a soil conditioner for sites having distributed areas over 5 acres shall be tested to prescribe amendments and for sites 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. iv. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal lime application rate.



NOT TO SCALE



GEOTEXTILE CLASS E PLAN/CUT AWAY VIEW - ___3/4" - 11/2" STONE - WIRE TIES - 6" OVERLAP CROSS SECTION MAX. DRAINAGE AREA = 1/4 ACRI Construction Specifications 1. Lift grate and wrap with Geotextile Class E to completely cover all openings, 2. Place 3/4" to 11/2" stone, 4"-6" thick on the grate to secure the fabric and PAGE MARYLAND DEPARTMENT OF ENVIRONMENT
F - 17 - 3 WATER MANAGEMENT ADMINISTRATION U.S. DEPARTMENT OF AGRICULTURE SOIL CONSERVATION SERVICE



CONSTRUCTION SPECIFICATIONS 1. KEY-IN THE MATTING BY PLACING THE TOP ENDS OF THE MATTING IN A NARROY TRENCH. 6" IN DEPTH. BACKFILL THE TRENCH AND TAMP FIRMLY TO CONFORM TO THE CHANNEL CROSS-SECTION. SECURE WITH A ROW OF STAPLES ABOUT 4" DOWN SLOPE FROM THE TRENCH. SPACING BETWEEN STAPLES IS 6". 2. STAPLE THE 4" OVERLAP IN THE CHANNEL CENTER USING AN 18" SPACING BETWEEN STAPLES. 3. BEFORE STAPLING THE OUTER EDGES OF THE MATTING, MAKE SURE THE MATTING IS SMOOTH AND IN FIRM CONTACT WITH THE SOIL.

4. STAPLES SHALL BE PLACED 2' APART WITH 4 ROWS FOR EACH STRIP, 2 OUTER ROWS, AND 2 ALTERNATING ROWS DOWN THE CENTER. 5. WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF THE TOP STRIP SHALL OVERLAP THE UPPER END OF THE LOWER STRIP BY 4", SHIPLAP FASHION. REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6" APART IN A STAGGERED PATTERN ON EITHER SIDE.

6. THE DISCHARGE END OF THE MATTING LINER SHOULD BE SIMILARLY SECURED WITH WITH 2 DOUBLE ROWS OF STAPLES. NOTE: IF FLOW WILL ENTER FROM THE EDGE OF THE MATTING THEN THE AREA EFFECTED BY THE FLOW MUST BE KEYED-IN.

SOIL STABILIZATION MATTING

SEQUENCE OF CONSTRUCTION

DAY 1-4 OBTAIN GRADING PERMIT. CONTACT MISS UTILITY AND THE HOWARD COUNTY

CONSTRUCTION INSPECTION DIVISION.

DAY 5-10 CLEAR AND GRUB FOR SEDIMENT CONTROL DEVICES, INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE, SUPER SILT FENCE. CONTRACTOR MUST OBTAIN PERMISSION OF INSPECTOR PRIOR TO PROCEEDING TO NEXT STEP.

DAY 11-18 CLEAR AND GRUB REMAINDER OF SITE.

DAY 19-28 MASS GRADE SITE.

DAY 29-48 WITH THE PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, INSTALL STORM DRAINS AND INLET PROTECTION WATER, SEWER AND UTILITIES AND STABILIZE IN ACCORDANCE WITH TEMPORARY SEEDING NOTES.

DAY 49-83 GRADE BUILDING PAD AND COMMENCE BUILDING CONSTRUCTION.

DAY 84-93 INSTALL CURB AND GUTTER.

DAY 94-103 INSTALL PAVING FOR PARKING LOT.

DAY 104-111 FINAL GRADE REMAINDER OF SITE AND PERMANENTLY STABILIZE.

SWM FACILITY AND PERMANENTLY STABILIZE.

DAY 112-115 INSTALL REQUIRED LANDSCAPING AS SPECIFIED ON THE LANDSCAPE PLAN.

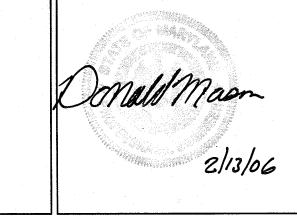
DAY 116-125 UPON APPROVAL OF HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE REMAINING SEDIMENT CONTROL DEVICES CONVERT SEDIMENT BASIN TO PERMANENT

> NO. DATE REVISION **BENCHMARK** ENGINEERS A LAND SURVEYORS A PLANNERS ENGINEERING, INC.

Design: DAM | Draft: MAN

8480 BALTIMORE NATIONAL PIKE A SUITE 418 ELLICOTT CITY, MARYLAND 21043

Check: DAM



PHONE: 410-465-6105 FAX: 410-465-6644 www.bei-civilengineering.com OWNER: LYNDWOOD SQUARE 100 INVESTMENT LP PARCEL A-7 9200 RUMSEY ROAD COLUMBIA, MD 21045 TAX MAP 37 - GRID 9 PARCEL A-1 410-997-7222 1st ELECTION DISTRICT HOWARD COUNTY, MARYLAND DEVELOPER: LYNDWOOD SQUARE LLC SEDIMENT CONTROL PO BOX 417 NOTES AND DETAILS ELLICOTT CITY, MD 21041 PROJECT NO. FEBRUARY, 2006

SCALE:

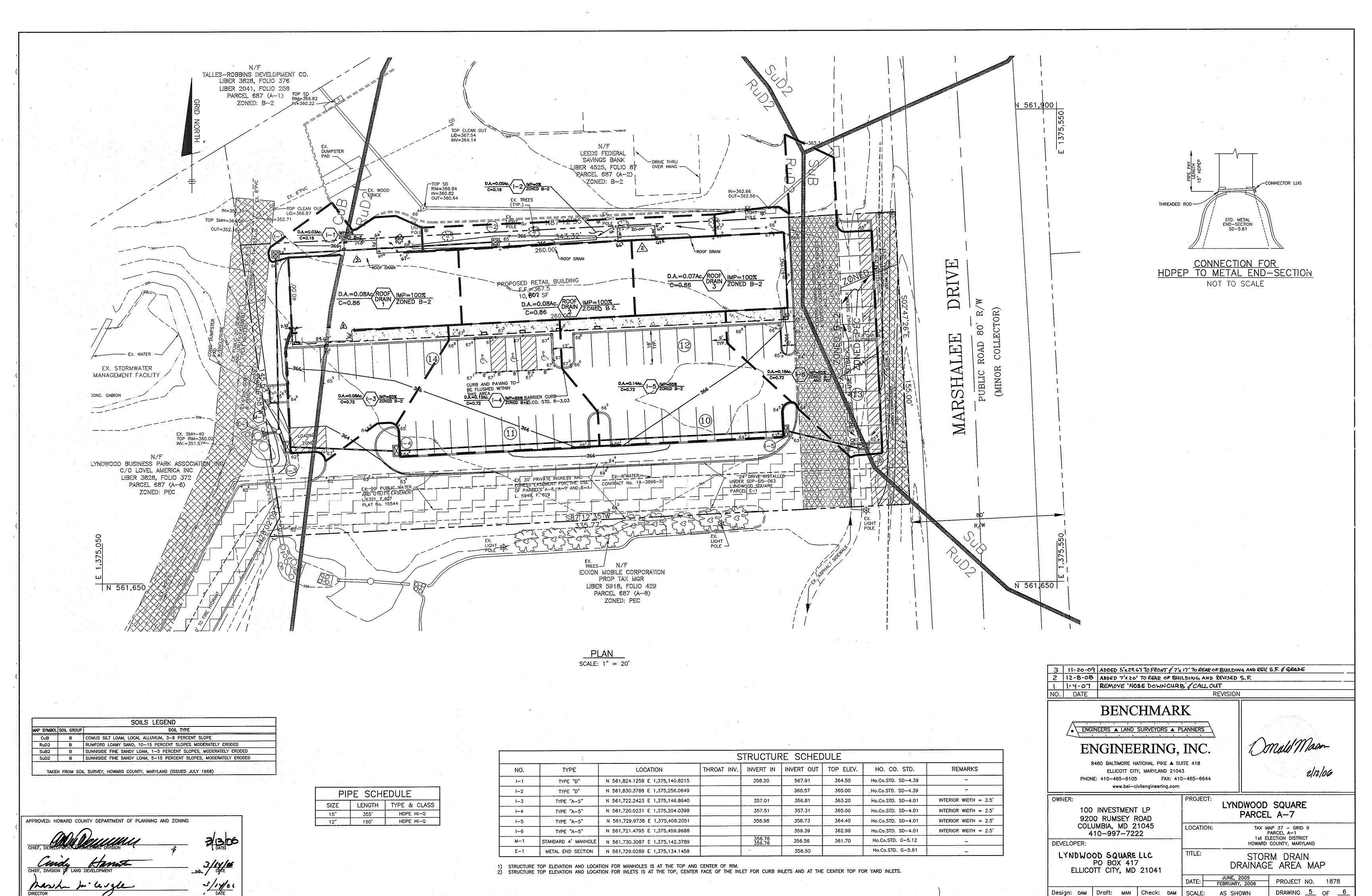
SDP-06-017

AS SHOWN

DRAWING $\underline{4}$ OF $\underline{6}$

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