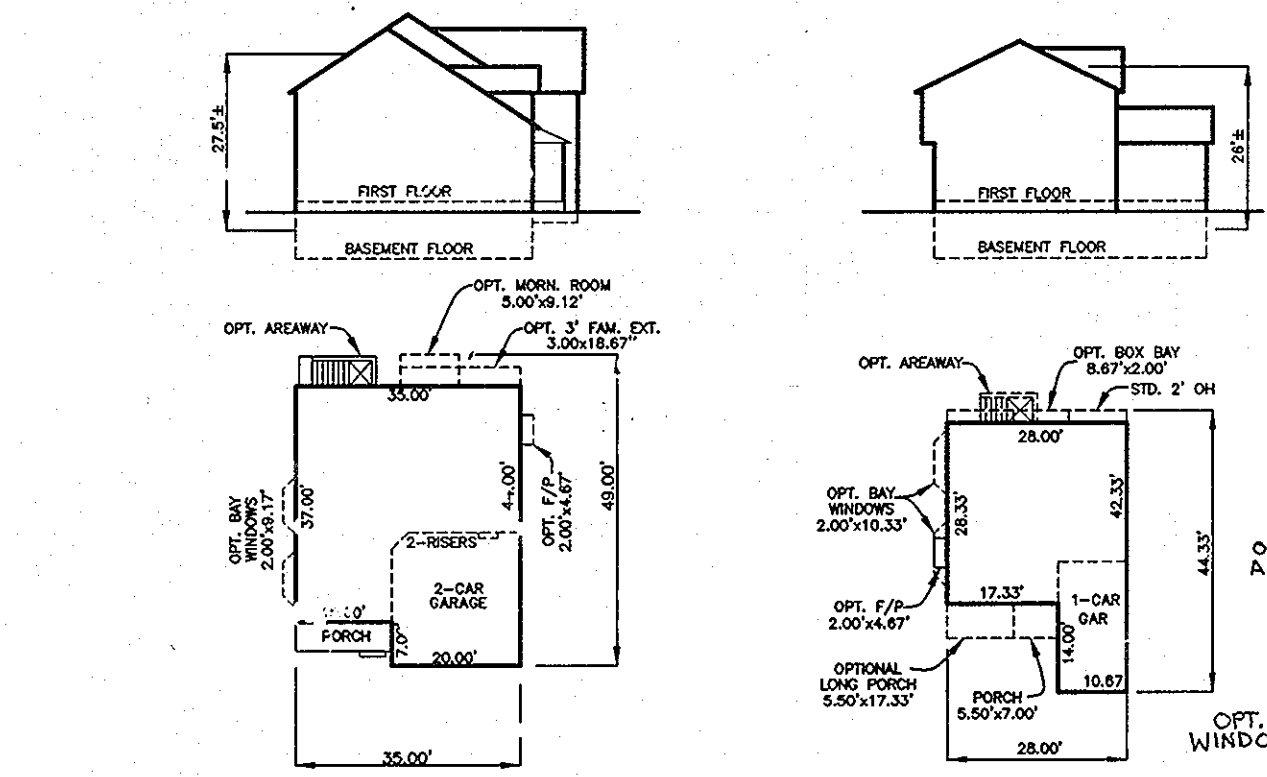


CLAREMONT
ISSUE: 8/14/07
REVISION: N/A

CLAREMONT II
ISSUE: 8/9/02
REVISION: 9/9/02

PINEHURST
ISSUE: 1/3/02
REVISION: 9/25/03

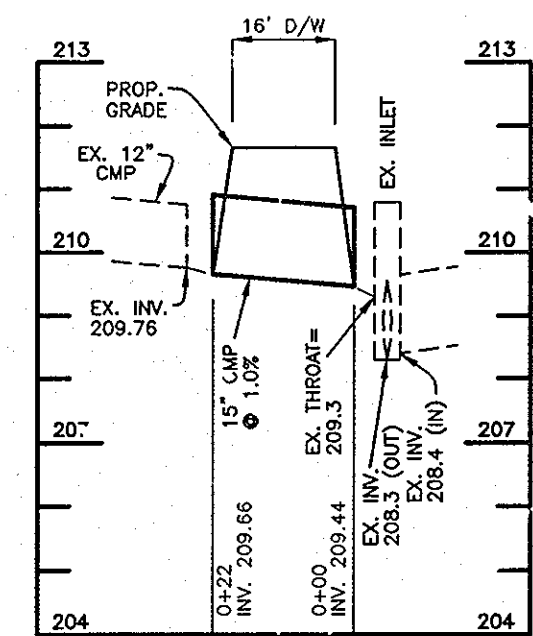


AUGUSTA
ISSUE: 8/9/02
REVISION: 10/2/02

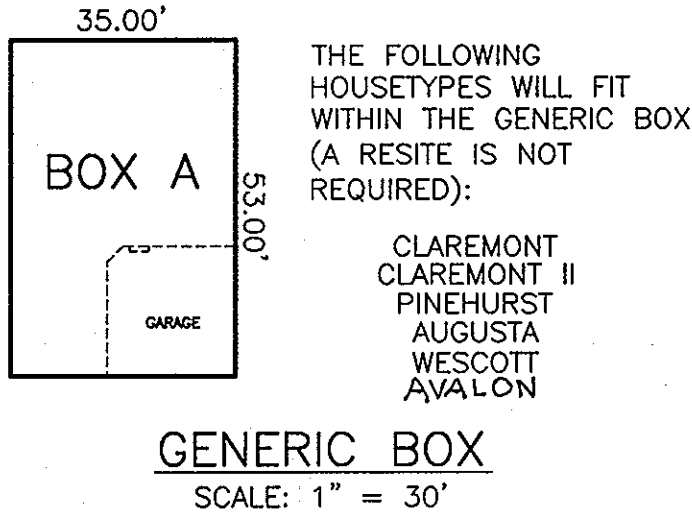
WESTCOTT
ISSUE: 4/26/04
REVISION: N/A

HOUSE FOOTPRINTS

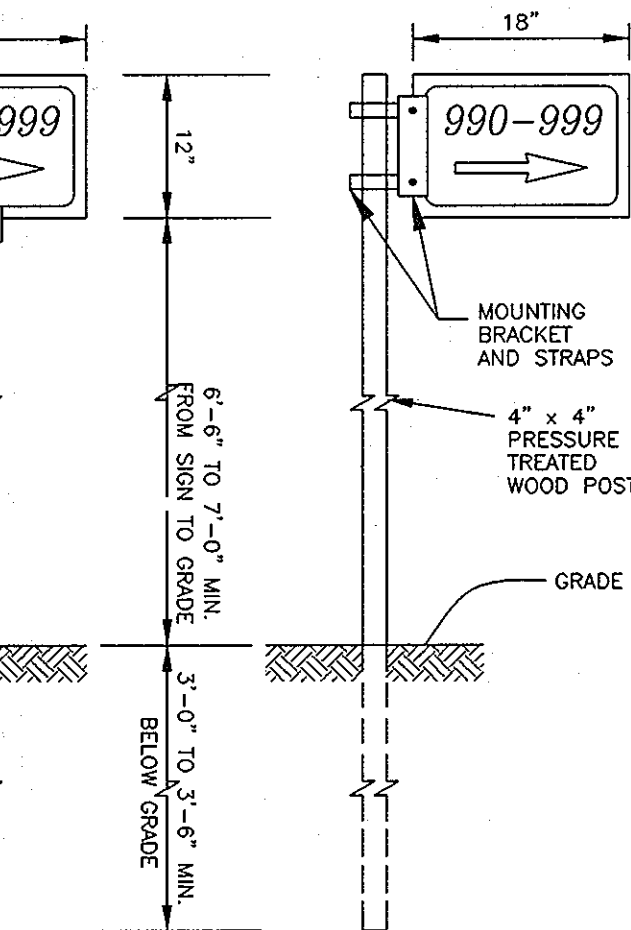
SCALE: 1" = 30'



CULVERT PROFILE
SCALE: 1"=30' HORIZ., 1"=3' VERT.



GENERIC BOX
SCALE: 1" = 30'



OPTION #1
OPTION #2
HO. CO. APPROVED SIGN DESIGN AND INSTALLATION DETAIL
NOT TO SCALE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

John D. Williams
CHIEF, DEVELOPMENT ENGINEERING DIVISION

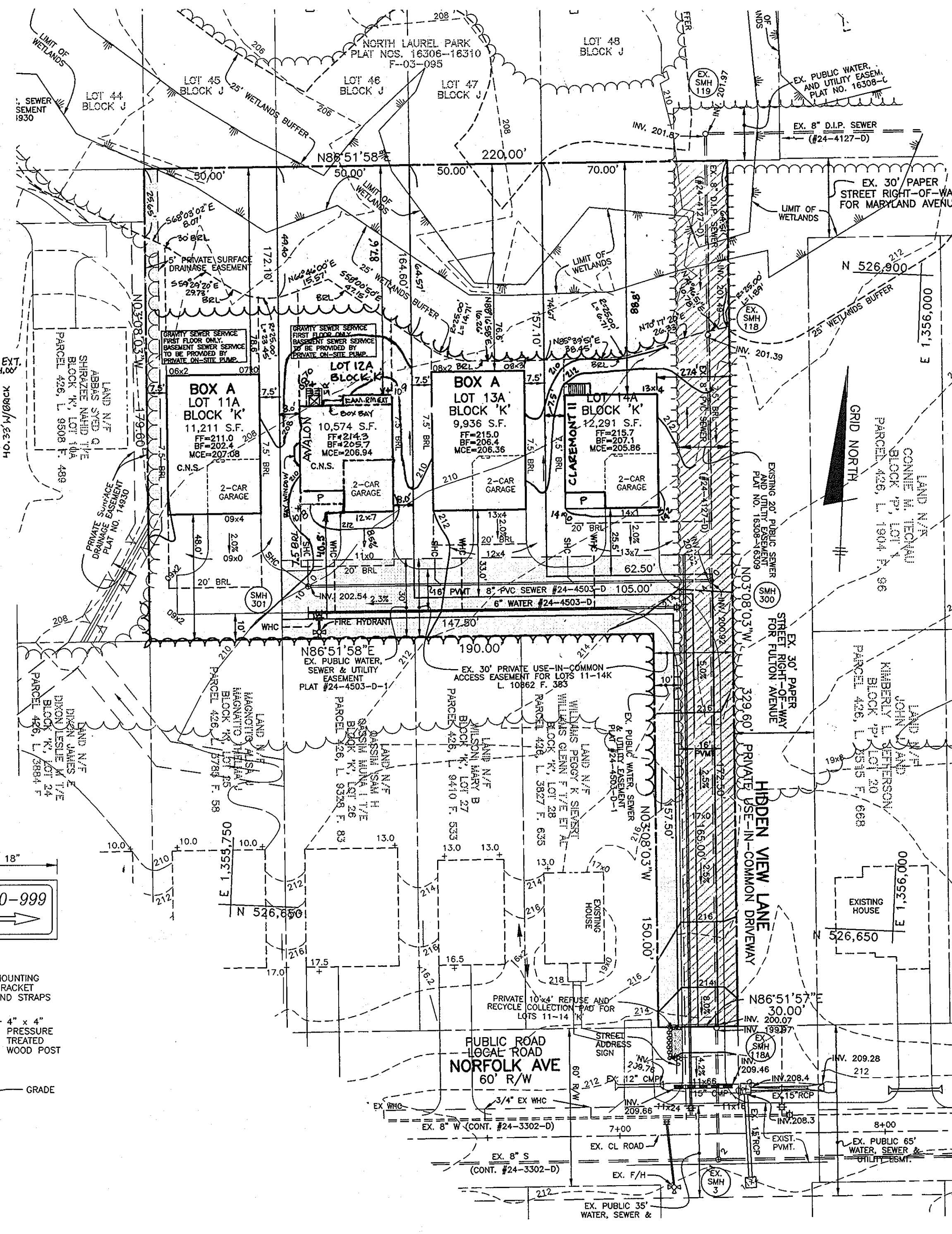
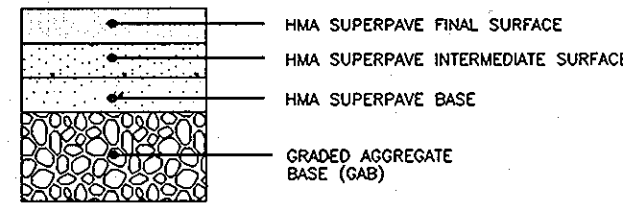
John D. Williams
CHIEF, DIVISION OF LAND DEVELOPMENT

Mark L. Leagle
DIRECTOR

DATE: 1/14/08
DATE: 1/15/08
DATE: 1/17/08

SECTION NUMBER	ROAD AND STREET CLASSIFICATION	CALIFORNIA BEARING RATIO (CBR)							
		PAVEMENT MATERIAL (INCHES)		3 TO <5	5 TO <7	>7	3 TO <5	5 TO <7	>7
P-1	PARKING BAYS: RESIDENTIAL AND NON-RESIDENTIAL PARKING DRIVE ASSESS: RESIDENTIAL AND NON-RESIDENTIAL WITH NO MORE THAN 2 HEAVY TRUCKS PER DAY	HMA SUPERPAVE FINAL SURFACE		1.5	1.5	1.5	1.5	1.5	1.5
		9.5 MM PD #4-22 LEVEL 1 (ESAL)		NA	NA	NA	NA	NA	NA
		HMA SUPERPAVE INTERMEDIATE SURFACE (NA)		NA	NA	NA	NA	NA	NA
		19.0 MM PD #4-22 LEVEL 1 (ESAL)		2.0	2.0	2.0	3.5	3.0	2.5
		GRADED AGGREGATE BASE (GAB)		8.5	7.0	5.0	4.0	4.0	4.0

P-1 PAVING DETAIL



PLAN VIEW
SCALE: 1" = 30'

SHEET INDEX	
NO.	DESCRIPTION
1	SITE DEVELOPMENT PLAN AND GRADING PLAN
2	SEDIMENT & EROSION CONTROL PLAN

SCHEDULE A PERIMETER LANDSCAPE EDGE	
CATEGORY	ADJACENT TO TRASH
LANDSCAPE TYPE	B
LINEAR FEET OF ROADWAY FRONTAGE/PERIMETER	28 L.F. (10'x10'+4+4')
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO
CREDIT FOR WALL, FENCE OR BERM (YES, NO, LINEAR FEET) (DESCRIBE BELOW IF NEEDED)	NO
NUMBER OF PLANTS REQUIRED	21 L.F.
SHADE TREES	1
EVERGREEN TREES (2:1 SUBSTITUTE)	1
SHRUBS	19
NUMBER OF PLANTS PROVIDED	20
SHADE TREES	1
EVERGREEN TREES	1
OTHER TREES (2:1 SUBSTITUTE)	1
SHRUBS (10:1 SUBSTITUTE)	18

(20 SHRUBS SHALL BE SUBSTITUTED FOR THE 1 REQUIRED SHADE TREE AND 1 REQUIRED EVERGREEN TREE AT A 10:1 RATIO)

NOTE:

NO IMPROVEMENTS SHALL BE CONSTRUCTED OR PLACED WITHIN THE PUBLIC WATER, SEWER & UTILITY EASEMENTS THAT WILL IMPEDE OR HINDER ACCESS TO THE WATER OR SEWER MAINS. IMPROVEMENTS SUCH AS DECKS, FENCING OR TREES SHALL NOT BE PLACED WITHIN THE EASEMENT.

ADDRESS CHART	
BLOCK	STREET ADDRESS
11A	K 9422 HIDDEN VIEW LANE
12A	K 9418 HIDDEN VIEW LANE
13A	K 9414 HIDDEN VIEW LANE
14A	K 9410 HIDDEN VIEW LANE

S-H-C-T-B-L-E		
LOT NO.	MIN. CELLAR	SHC INV.
11A	207.08	202.74
12A	206.94	202.74
13A	206.36	202.24
14A	205.86	201.74

CONTRACTOR TO CHECK SEWER HOUSE CONNECTION ELEVATION AT PROPERTY EASEMENT LINE PRIOR TO CONSTRUCTION OF HOUSE TO ENSURE PROPER SHC SLOPES CAN BE MAINTAINED.

25. A DESIGN MANUAL WAIVER TO ALLOW THE BASEMENT FLOORS OF THE HOMES ON LOTS 11A AND 12A TO BE BELOW THE MINIMUM CELLAR ELEVATION FOR GRAVITY SEWER SERVICE AND TO ALLOW FOR LESS THAN 10 FEET OF CLEARANCE BETWEEN THE STRUCTURE ON LOT 14A AND THE PUBLIC SEWER AND UTILITY EASEMENT WAS APPROVED BY THE CHIEF OF BUREAU OF ENGINEERING OF THE DEPARTMENT OF PUBLIC WORKS ON JUNE 28, 2007.

26. WP-07-11, A REQUEST TO WAIVE SECTION 16.102 REQUIRING THE SUBMISSION OF A FINAL SUBDIVISION PLAN FOR ALL DIVISION OR RESUBDIVISIONS OF LAND SITUATED WITHIN HOWARD COUNTY IN ACCORDANCE WITH SECTION 16.147 WAS APPROVED ON NOVEMBER 20, 2006 TO ALLOW RECORDING OF ADDITION DEEDS TO RECONFIGURE THESE LOTS IN LIEU OF THE FINAL SUBDIVISION PLAN WITH THE FOLLOWING CONDITIONS:

- WITHIN 6 MONTHS OF THIS WAIVER PETITION APPROVAL (ON OR BEFORE MAY 20, 2007), THE APPLICANT MUST FILE THE APPROPRIATE ADDITION DEEDS WITH THE HOWARD COUNTY LAND RECORDS OFFICE TO RECONFIGURE THE SUBJECT LOTS AND SUBMIT A COPY OF THE RECORDED ADDITION DEEDS FOR THE SUBJECT PROPERTY TO DPZ FOR FILE RETENTION PURPOSES. THE APPLICANT IS ADVISED THAT THE DEEDS MUST BE RECORDED PRIOR TO THE SUBMISSION OF ANY SITE DEVELOPMENT PLANS FOR THE SUBJECT LOTS.
- A SITE DEVELOPMENT PLAN WILL BE REQUIRED FOR THE SUBJECT LOTS IN ACCORDANCE WITH SECTION 16.155(2)(ii) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS BECAUSE THE SUBJECT LOTS WILL BE RECONFIGURED OR MERGED THROUGH THE RECORDING PROCESS SINCE FEBRUARY 1, 1976.
- NO GRADING, REMOVAL OF VEGETATIVE COVER AND TREES, PAVING AND NEW STRUCTURES IS PERMITTED WITHIN THE WETLAND LIMITS OR THE REQUIRED 25' WETLANDS BUFFER IN ACCORDANCE WITH SECTION 16.116 OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS FOR LOTS 11A THRU 14A. PLEASE BE ADVISED THAT NO WAIVERS WILL BE GRANTED FOR IMPACTS TO THE WETLANDS OR REQUIRED BUFFER FOR ANY CONSTRUCTION ACTIVITIES ON LOTS 11A THRU 14A.
- THE APPLICANT SHALL ESTABLISH A 24' WIDE PRIVATE USE-IN-COMMON DRIVEWAY ACCESS EASEMENT FOR LOTS 11A THRU 14A CENTERED WITHIN THEIR PIPESTEM AREA FOR PUBLIC ROAD ACCESS ONTO NORFOLK AVENUE. A USE-IN-COMMON DRIVEWAY SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MINIMUM STANDARDS OF THE HOWARD COUNTY DESIGN MANUAL. THE APPLICANT SHALL ALSO RECORD A USE-IN-COMMON DRIVEWAY MAINTENANCE AGREEMENT FOR LOTS 11A THRU 14A IN THE HOWARD COUNTY LAND RECORDS OFFICE AND REFERENCED ON THE FUTURE SDP PLAN SUBMITTAL.

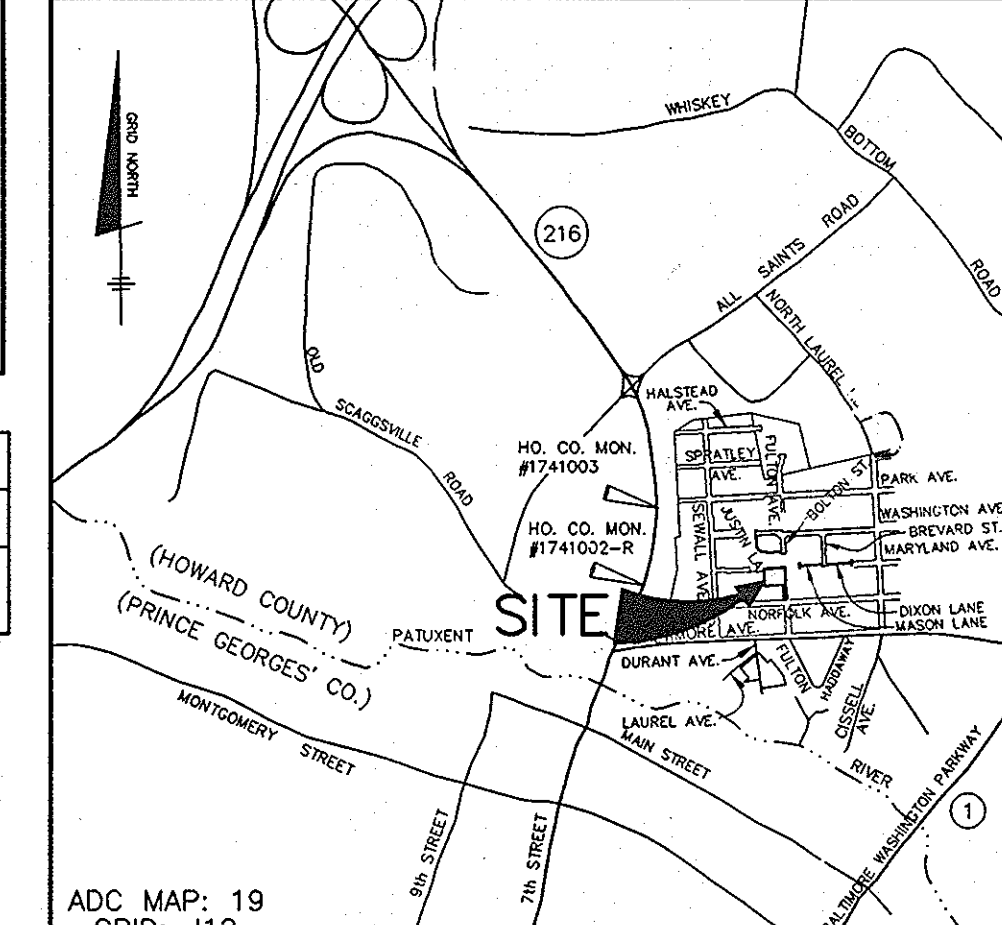
SITE ANALYSIS DATA CHART

A) TOTAL PROJECT AREA	1.01 AC.
B) AREA OF THIS PLAN SUBMISSION	1.01 AC.
C) APPROXIMATE LIMIT OF DISTURBANCE	0.71 AC.
D) PRESENT ZONING:	R-SC
E) PROPOSED USE OF SITE:	RESIDENTIAL SINGLE FAMILY DETACHED UNITS
F) FLOOR SPACE PER LOT	N/A
G) TOTAL NUMBER OF UNITS ALLOWED (AS SHOWN ON FINAL PLATS):	4
H) TOTAL NUMBER OF UNITS PROPOSED:	4
I) MAXIMUM NUMBER OF EMPLOYEES PER USE:	N/A
J) NUMBER OF PARKING SPACES REQUIRED BY HO. CO. ZONING REGULATIONS:	N/A
K) NUMBER OF PARKING SPACES PROVIDED:	N/A
L) OPEN SPACE ON-SITE PERCENTAGE OF GROSS AREA:	0.00 AC. 0%
M) AREA OF RECREATIONAL OPEN SPACE REQUIRED: AREA OF RECREATIONAL OPEN SPACE PROVIDED:	0.00 AC. 0.00 AC.
N) BUILDING COVERAGE OF SITE:	N/A 0%
O) APPLICABLE DPZ FILE REFERENCES:	F-03-95 CONTRACT # 24-4127-D WP-07-011
P) PROPOSED WATER AND SEWER SYSTEMS:	X. PUBLIC PRIVATE

PERMIT INFORMATION CHART				
SUBDIVISION NAME:	SECTION/AREA:	LOT/PARCEL #:	TAX MAP:	GENSUS TRACT:
NORTH LAUREL PARK	11 - 14K	PART OF PARCEL #26		
PLAT No. L. 10603 F. 419	GRID 3	ZONE R-SC	TAX MAP 50	ELECTION DISTRICT SIXTH
WATER CODE C-05	SEWER CODE 7141500			6069.03

BENCH MARKS NAD 27	
HO. CO. #1741003	NAD 27
CONCRETE MONUMENT ON WEST SIDE OF ROUTE 216 AND 0.2' BELOW SURFACE ELEV. 198.395	
HO. CO. #1741002-R	NAD 27
CONCRETE MONUMENT ON TOP OF BANK EAST OF EAST EDGE OF MAC. OF ROUTE 216 FLUSH WITH SURFACE ELEV. 197.368	

PERIMETER LANDSCAPE PLANTING LIST			
SYMBOL	QUANTITY	NAME	REMARKS
⊕	20	AZALEA 'DELAWARE VALLEY WHITE' DELAWARE VALLEY WHITE AZALEA	18"-24" sp.



VICINITY MAP
SCALE: 1" = 2000'

GENERAL NOTES

- THE SUBJECT PROPERTY IS ZONED R-SC PER THE 2-2-04 COMPREHENSIVE ZONING PLAN AND THE CONFLICTING ZONING REGULATION AMENDMENTS EFFECTIVE 7-28-2006.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS CONSTRUCTION INSPECTION DIVISION AT (410)313-1800 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.
- EXISTING TOPOGRAPHY SHOWN HEREON WAS TAKEN FROM AERIAL TOPOGRAPHY BY WINGS AERIAL MAPPING CO., INC. FLOWN ON 3-2-1995.
- HORIZONTAL AND VERTICAL DATUM ARE NAD '83 - MONUMENTS 1741003 AND 1741002-R.
- EXISTING UTILITIES SHOWN HAVE BEEN TAKEN FROM CONTRACT DRAWINGS #24-4127-D, #24-3302-D AND FIELD SURVEYED LOCATIONS. IF NECESSARY, CONTRACTOR SHALL ADJUST ANY OR ALL STRUCTURE TOP ELEVATIONS TO MATCH SDP GRADES.
- STORMWATER MANAGEMENT QUANTITY AND QUALITY CONTROL IS PROVIDED FOR THESE LOTS UNDER REG. CONSTRUCTION PLANS F-98-05. THE STORMWATER MANAGEMENT FACILITY IS PUBLICLY OWNED AND MAINTAINED.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN 25 FEET OF A WETLAND IN ANY ZONING DISTRICT IN ACCORDANCE WITH SECTION 16.116(1)(i) OF THE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- IN ACCORDANCE WITH SECTION 128 OF THE HOWARD COUNTY ZONING REGULATIONS; BAY WINDOWS, CHIMNEYS OR EXTERIOR STAIRWAYS NOT MORE THAN 16 FEET IN WIDTH MAY PROJECT NOT MORE THAN 4 FEET INTO ANY YARDS; PORCHES OR DECKS, OPEN OR ENCLOSED MAY PROJECT NOT MORE THAN 10 FEET INTO THE FRONT OR REAR YARD setback.
- PREVIOUS HOWARD COUNTY FILE NUMBERS: F-03-95, CONTRACT #24-4127-D, WP-07-011
- THE STAKING OF FOUNDATIONS PRIOR TO CONSTRUCTION TO ENSURE COMPLIANCE WITH REGULATORY BUILDING RESTRICTION LINES IS RECOMMENDED.
- ANY DAMAGE TO THE COUNTY'S RIGHT-OF-WAY SHALL BE CORRECTED AT THE BUILDERS EXPENSE.
- BRL INDICATES BUILDING RESTRICTION LINE.
- FOR DRIVEWAY ENTRANCE DETAIL SEE HOWARD COUNTY STANDARD DETAILS R-6.03 & R-6.05.
- HOUSES/GARAGES WILL BE SITED ON LOTS SO THAT A SECOND CAR, IF PARKED IN THE DRIVEWAY, WILL NOT OVERHANG INTO THE PRIVATE ACCESS PLACE DRIVEWAY (18' MINIMUM CLEARANCE).
- DRIVEWAY SLOPES SHOWN ARE AVERAGE. THE SLOPE AT THE OUTSIDE EDGES COULD BE FLATTER OR STEEPER DEPENDING ON GRADE OF ROADWAY.
- DRIVEWAYS SHALL BE PROVIDED PRIOR TO ISSUANCE OF A USE AND OCCUPANCY PERMIT FOR ANY NEW DWELLINGS TO INSURE SAFE ACCESS FOR FIRE AND EMERGENCY VEHICLES PER THE FOLLOWING MINIMUM REQUIREMENTS:
 - WIDTH - 12' (16' SERVING MORE THAN ONE RESIDENCE);
 - SURFACE - 6" OF COMPACTED CRUSHER RUN BASE W/TAR AND CHIP COATING (1-1/2" MIN.);
 - GEOMETRY - MAX. 14% GRADE, MAX. 10% GRADE CHANGE AND MIN. 45' TURNING RADIUS;
 - STRUCTURES (CULVERTS/BRIDGES) - CAPABLE OF SUPPORTING 25 GROSS TONS (125 TONS LOADING);
 - DRAINAGE ELEMENTS - CAPABLE OF SAFELY PASSING 100-YEAR FLOOD WITH NO MORE THAN 1 FOOT DEPTH OVER DRIVEWAY SURFACE;
 - MAINTENANCE - SUFFICIENT TO INSURE ALL WEATHER USE.
- THIS PLAN CONFORMS WITH THE AMENDED 5th EDITION OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS. THE DEVELOPER SHALL APPLY FOR BUILDING PERMITS FOR ALL LOTS AS SHOWN ON THIS SITE DEVELOPMENT PLAN WITHIN FIVE YEARS OF SIGNATURE APPROVAL OF THIS PLAN.
- THIS SUBDIVISION IS EXEMPT FROM THE REQUIREMENTS OF SECTION 16.120(b)(1)(iv) OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BECAUSE THE LOTS WERE CREATED BY DEED PRIOR TO THE ADOPTION OF THE FOREST CONSERVATION ACT AND NO ADDITIONAL LOTS ARE BEING CREATED PER SECTION 16.120(b)(1)(iv).
- LANDSCAPING FOR THE REFUSE AND RECYCLE COLLECTION PAD SHALL BE PROVIDED IN ACCORDANCE WITH THIS PLAN. FINANCIAL SURETY FOR THE REQUIRED 1 SHADE TREE AND 1 EVERGREEN IN THE AMOUNT OF \$450.00 IS PART OF THE BUILDERS GRADING PERMIT APPLICATION.
- THE 4'x10' CONCRETE REFUSE AND RECYCLE COLLECTION PAD WITHIN THE PUBLIC RIGHT-OF-WAY OF NORFOLK AVENUE SHALL BE MAINTAINED BY THE OWNERS OF LOTS 11A-14A 'K'.
- THE PRIVATE ACCESS PLACE MAINTENANCE AGREEMENT FOR LOTS 11A-14A 'K' HAS BEEN RECORDED IN THE LAND RECORDS OFFICE OF HOWARD COUNTY, MARYLAND ON 8-15-2007 AS LIBER 10822 AT FOLJ 383.
- THERE ARE NO EXISTING SLOPES 15-24.9% OR 25% OR GREATER OR 100-YEAR FLOODPLAIN LOCATED ON THESE LOTS.
- DUE TO THE ORIENTATION OF THE HOUSES ON LOTS 11A THRU 14A, ANY ADDITION OF A PORCH OR DECK CANNOT ENCRUMB INTO THE 7.5' SIDE BRL DECKS OR PROJECT INTO THE 25' WETLANDS BUFFER ONLY IN ACCORDANCE WITH DPZ POLICY MEMO DATED JULY, 1998.

NO.	DATE	REVISION
4	9-9-2011	REVISE GRADES ON LOT 12 PER AS-BUILT CONDITIONS
3	5-24-2011	REVISE FIRST FLOOR ELEVATION ON LOT 12A PER AS-BUILT
2	4-14-11	REVISE LOT 12A TO SHOW AVALON HSETYPE
1	11-6-09	REVISE GRADES PER AS-BUILT CONDITIONS ON LOT 14.

BENCHMARK ENGINEERS, INC.
ENGINEERS & LAND SURVEYORS & PLANNERS

8480 BALTIMORE NATIONAL PIKE & SUITE 418
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

Doreen Mason
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland. License No. 2143, Expiration Date: 12-31-2008.

OWNER/DEVELOPER:		NORTH LAUREL PARK LOTS 11A-14A, BLOCK 'K'	
SCAGGSVILLE ROAD INVESTMENT LLP 1807 WOLLINGFORD COURT CLARKSVILLE, MARYLAND 21029 410-792-2565		(SINGLE FAMILY DETACHED)	
TAX MAP: 50 GRID: 3	P/O PARCEL: 42 ZONED: R-SC	SITE DEVELOPMENT AND GRADING PLAN	
DATE: DECEMBER, 2007	PROJECT NO. 1515	SCALE: AS SHOWN	SHEET 1 OF 2

SEDIMENT CONTROL NOTES

- 1. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTION, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION, (313-1820).
- 2. ALL VEGETATIVE AND STRUCTURAL FACILITIES ARE TO BE INSTALLED ACCORDING 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, REVISIONS THEREON.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN 48 CALENDAR DAYS FOR ALL PERMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERMETER SLOPES AND ALL SLOPES GREATER THAN 3:1, BY 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 THEIR PERMETER 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) SO2 (SEC. 5A), 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 GROWTH.
- 6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7. SITE ANALYSIS:
TOTAL AREA OF SITE (THIS SUBMISSION) 1.01 ACRES
AREA DISTURBED 0.71 ACRES
AREA TO BE ROOFED OR PAVED 0.36 ACRES
AREA TO BE VEGETATIVELY STABILIZED 0.35 ACRES
TOTAL CUT 34.3 CY
TOTAL FILL 34.3 CY
OFFSITE WASTE/BORROW AREA LOCATION *

TOPSOIL SPECIFICATIONS

- 1. 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 Experiment Station.
- 2. 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 silt 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 volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1-1/2" in diameter.
ii. Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nutgrass, poison ivy, kudzu 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) 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:
i. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.
iv. For sites having disturbed areas over 5 acres:
i. On soil meeting Topsoil specifications, optional 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 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 phytotoxic materials.
ii. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization - Section 1 - Vegetative Stabilization Methods and Materials.

PERMANENT SEEDBED PREPARATIONS

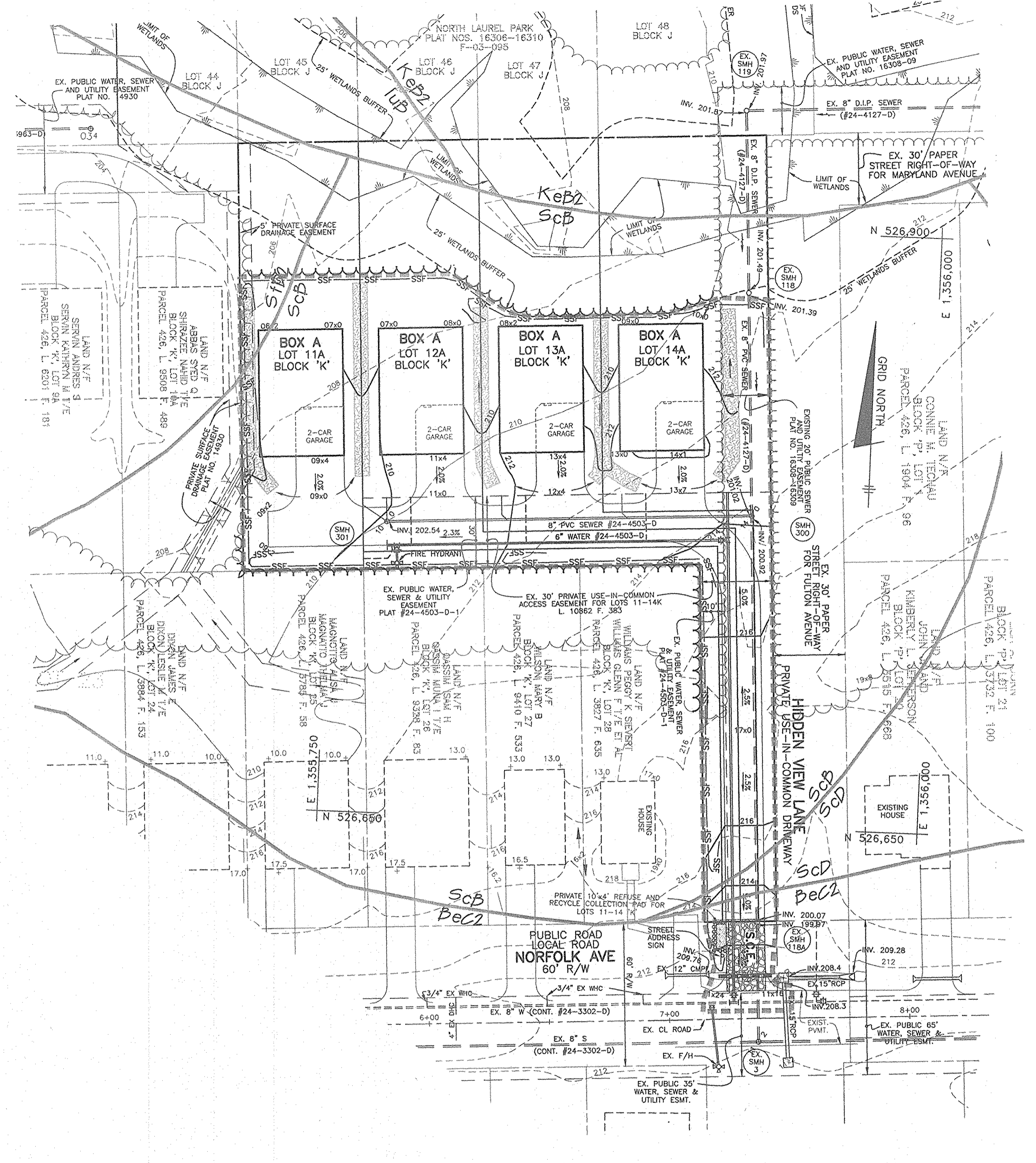
- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
1. PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/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 UREA/FORM FERTILIZER (9 LBS/1000 SQ FT).
2. ACCEPTABLE - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ FT) BEFORE SEEDING. HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.
- SEEDING: FOR PERIODS MARCH 1 THROUGH APRIL 30 AND AUGUST 1 THROUGH OCTOBER 15, SEED WITH 80 LBS PER ACRE (1.4 LBS/1000 SQ FT) OF KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (0.5 LBS/1000 SQ FT) OF WHEATING LOWESSASS. DURING 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 500, OPTION (3) SEED WITH 60 LBS PER ACRE OF KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER ACRE OF WELL ANCHORED STRAW.
- MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) 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 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FEET OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT) FOR ANCHORING.
- MAINTENANCE: INSPECT ALL SEEDBED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDBED PREPARATIONS

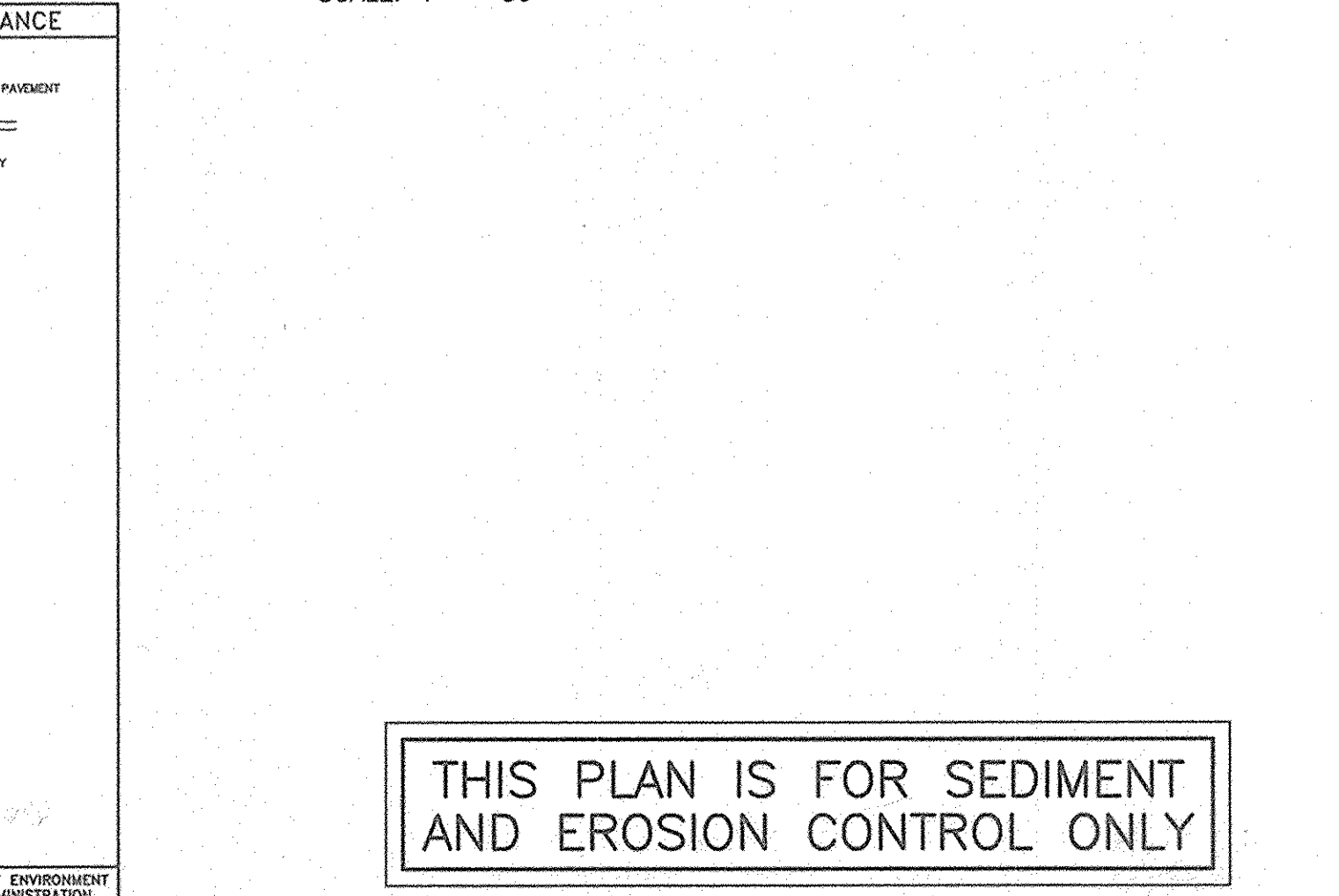
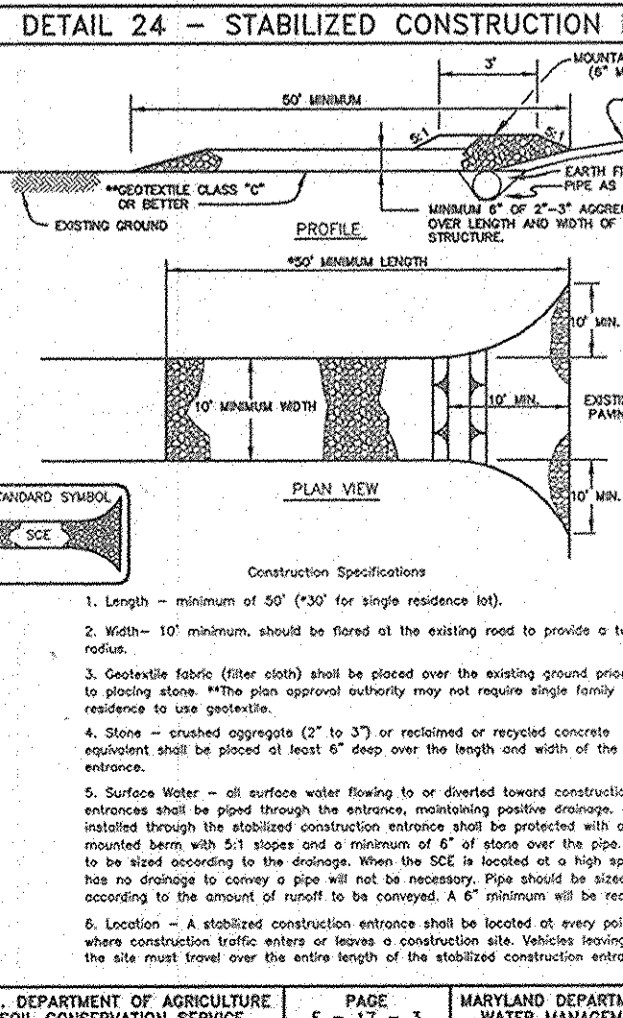
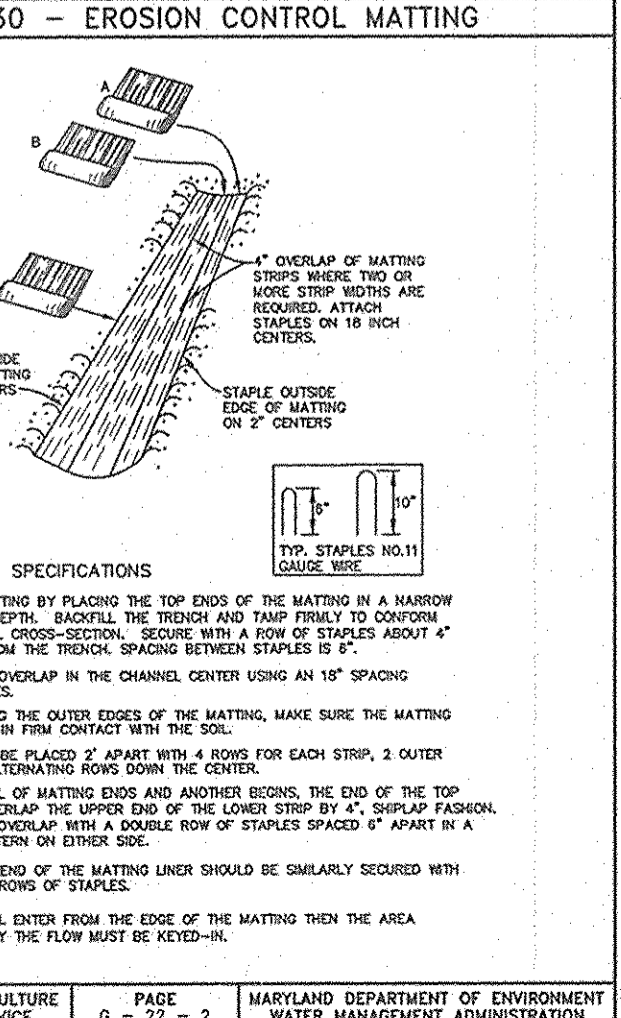
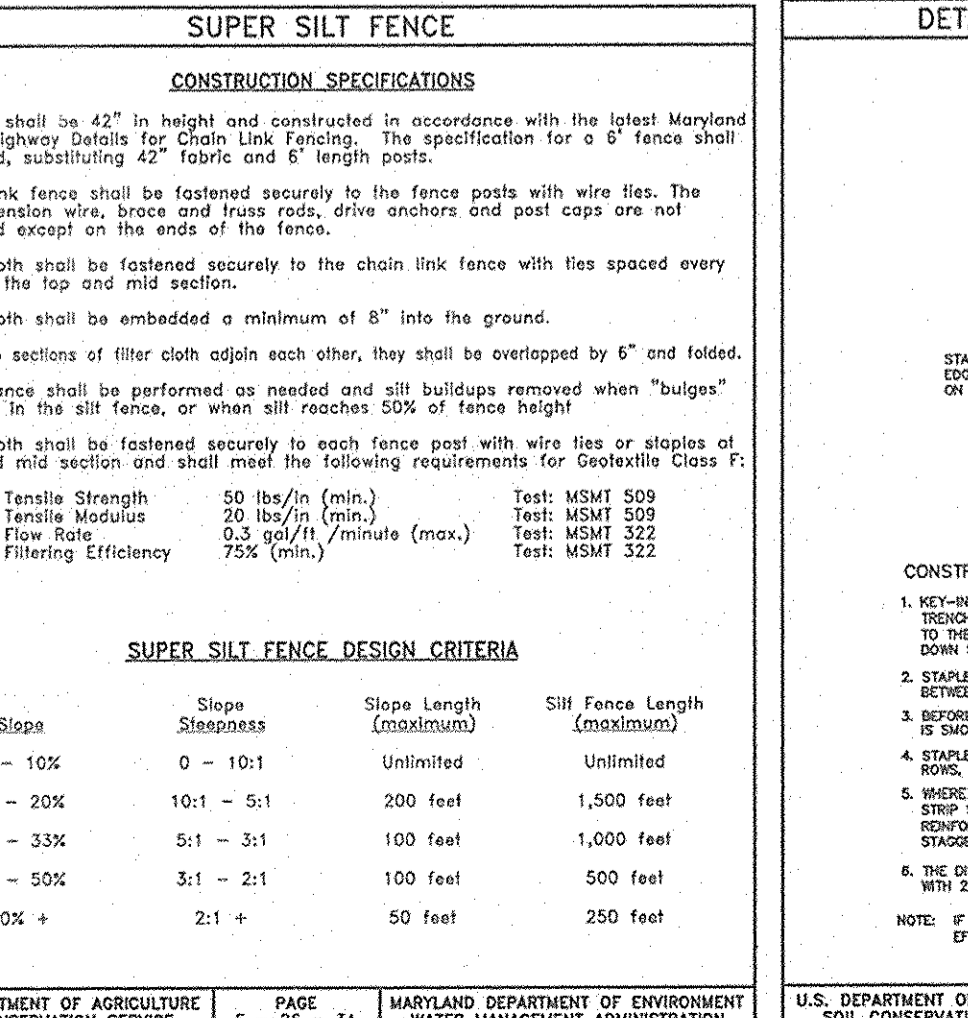
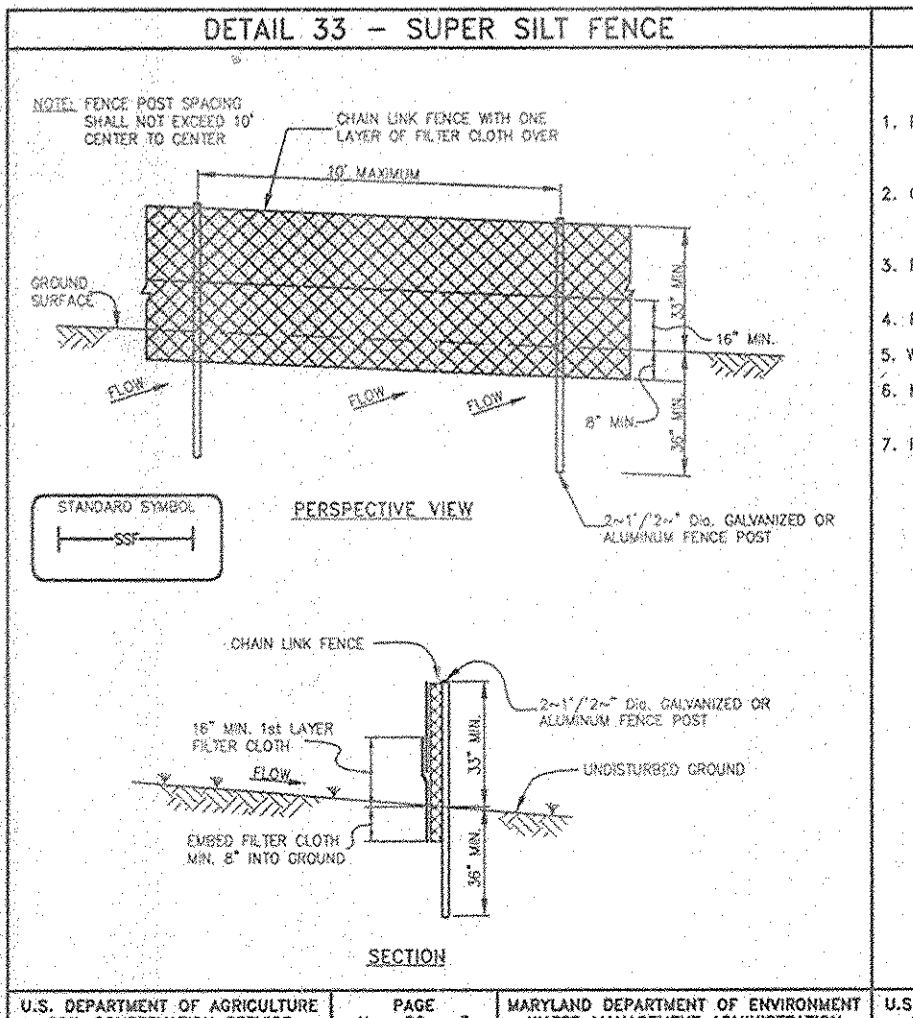
- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS: APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT).
- SEEDING: FOR PERIOD MARCH 1 THROUGH APRIL 30 AND FROM AUGUST 15 THROUGH NOVEMBER 15, SEED WITH 2-1/2 BUSHELS PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT). FOR PERIOD MAY 1 THROUGH AUGUST 14, SEED WITH 3 LBS PER ACRE OF WHEATING LOWESSASS (0.7 LBS/1000 SQ FT). FOR 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 SOIL.
- MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ FT) 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 SQ FT) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 8 FT. OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/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.

SEQUENCE OF CONSTRUCTION

- NOTIFY SEDIMENT CONTROL DIVISION 48 HOURS PRIOR TO START OF CONSTRUCTION
DAY 1 1.) OBTAIN GRADING PERMIT.
DAY 2-6 2.) INSTALL SEDIMENT CONTROLS THAT ARE NOTED TO BE INSTALLED UNDER THIS SDP.
DAY 7-10* 3.) EXCAVATE FOR FOUNDATIONS, ROUGH GRADE AND STABILIZE IN ACCORDANCE WITH TEMPORARY SEEDBED NOTES.
DAY 11-80 4.) CONSTRUCT HOUSES, BACKFILL AND CONSTRUCT DRIVEWAYS.
DAY 81-85 5.) FINAL GRADE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDBED NOTES AND FLUSH STORM DRAIN SYSTEM.
DAY 86-89 6.) WITH THE APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL DEVICES AND STABILIZE ANY REMAINING DISTURBED AREAS.
* - INDICATES SINGLE HOUSE CONSTRUCTION.
- NOTE: EROSION CONTROL MATTING SHALL BE PLACED IN SWALES WHERE DEEMED NEEDED UNTIL VEGETATION IS ESTABLISHED OR SOLID SOIL SHOULD BE USED.



PLAN VIEW SCALE: 1" = 30'



THIS PLAN IS FOR SEDIMENT AND EROSION CONTROL ONLY

LEGEND

- EXISTING CONTOURS
- PROPOSED CONTOURS
- EXISTING TREELINE
- PROPOSED TREELINE
- BUILDING RESTRICTION LINE
- EROSION CONTROL MATTING
- SUPER SILT FENCE
- LIMIT OF DISTURBANCE
- STABILIZED CONSTRUCTION ENTRANCE

ENGINEER'S CERTIFICATE and DEVELOPER'S CERTIFICATE. Includes signatures of Donald M. Mason and John R. Pundson, Jr. with dates and professional credentials.

Table with columns: NO., DATE, REVISION. Contains several rows for tracking plan changes.

BENCHMARK ENGINEERING, INC. logo and contact information. Includes address: 8480 BALTIMORE NATIONAL PIKE A SUITE 418, ELLICOTT CITY, MARYLAND 21043. Also includes owner/developer information for NORTH LAUREL PARK LOTS 11A-14A, BLOCK 'K'.