

**SHEET INDEX**

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# SITE DEVELOPMENT PLAN

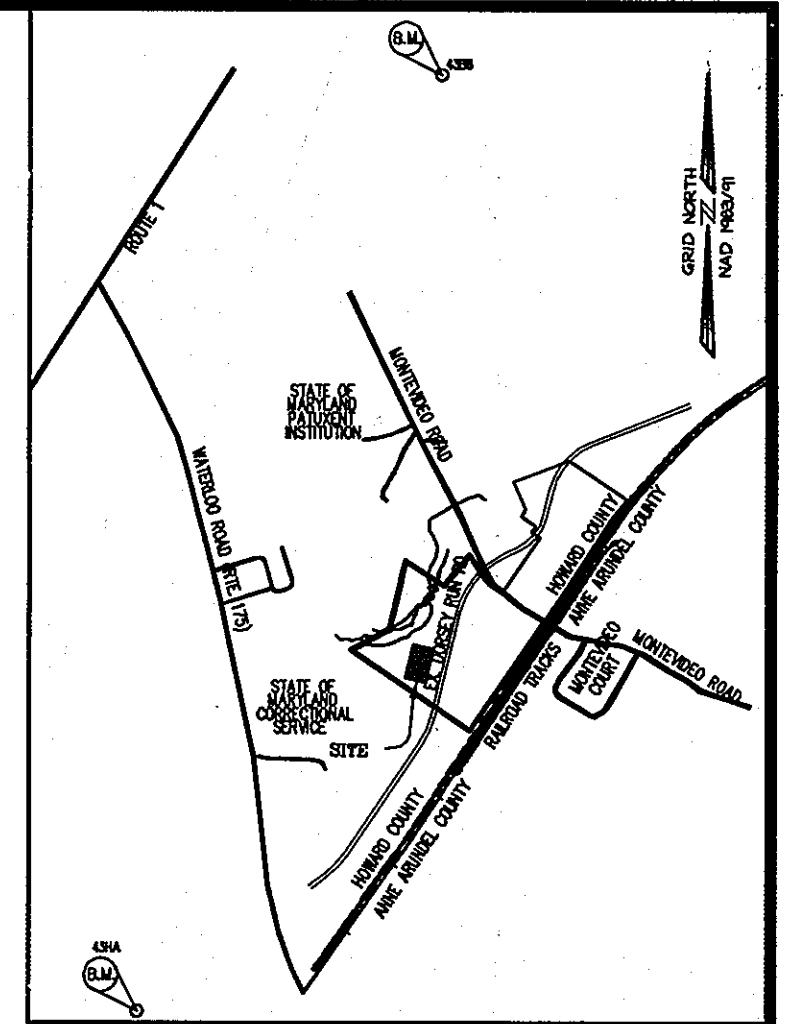
## BALTIMORE AIR COIL

### AT DORSEY RUN INDUSTRIAL CENTER

#### HOWARD COUNTY, MARYLAND

**LEGEND**

- - - - - EXISTING CONTOUR
- - - - - PROPOSED CONTOUR
- + 483 PROPOSED SPOT ELEVATION
- EXISTING WOODS LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING CURB AND GUTTER
- PROPOSED CURB AND GUTTER
- EDGE OF PAVEMENT
- FOUNDATION DRAIN OUTLET
- SCHEMATIC PARKING LOT LIGHTS
- REVERSE CURB
- WETLAND
- WETLAND BUFFER
- STREAM BUFFER
- FOREST CONSERVATION EASEMENT



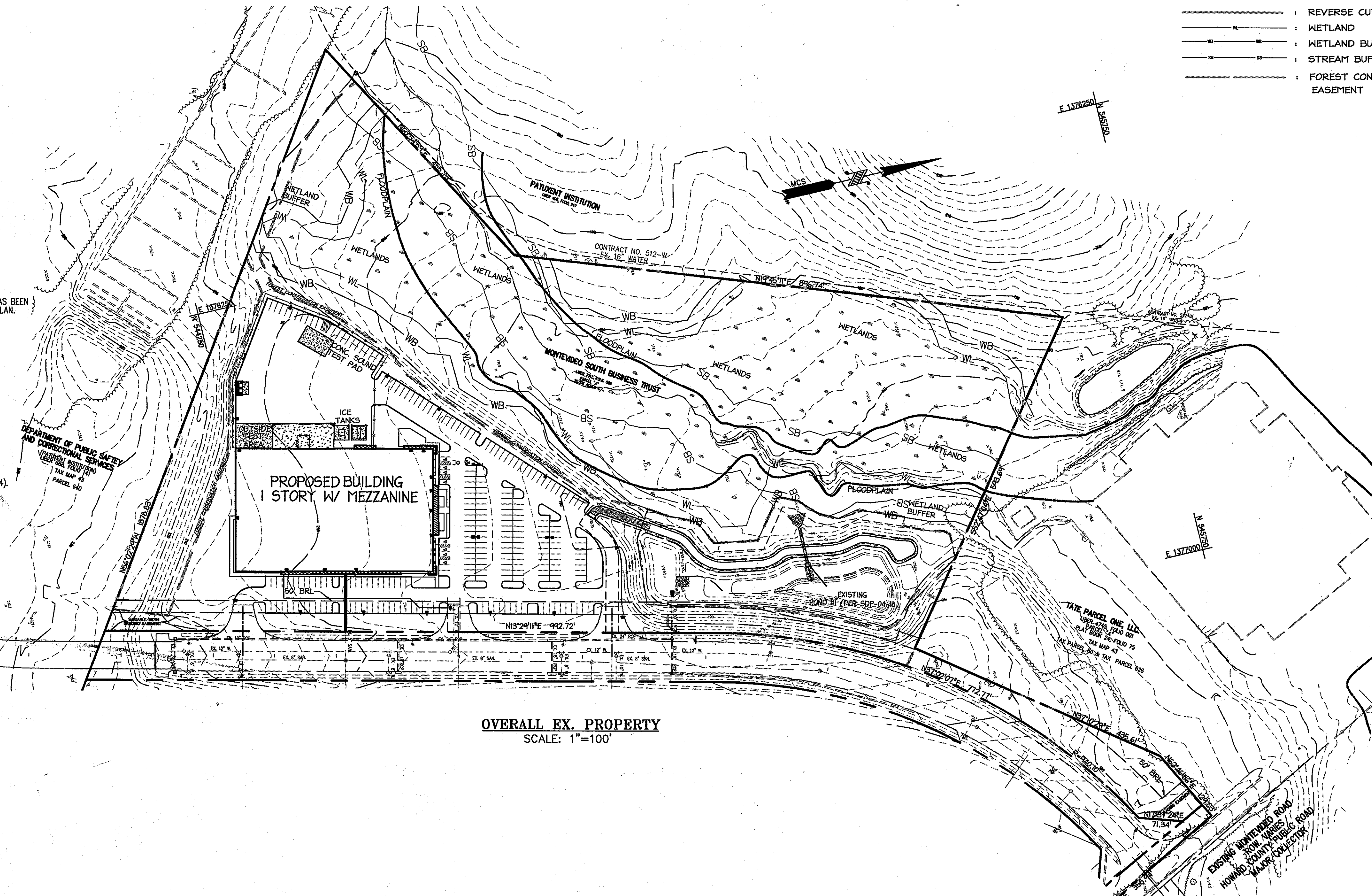
**VICINITY MAP**  
SCALE: 1"=200'

**BENCHMARK**

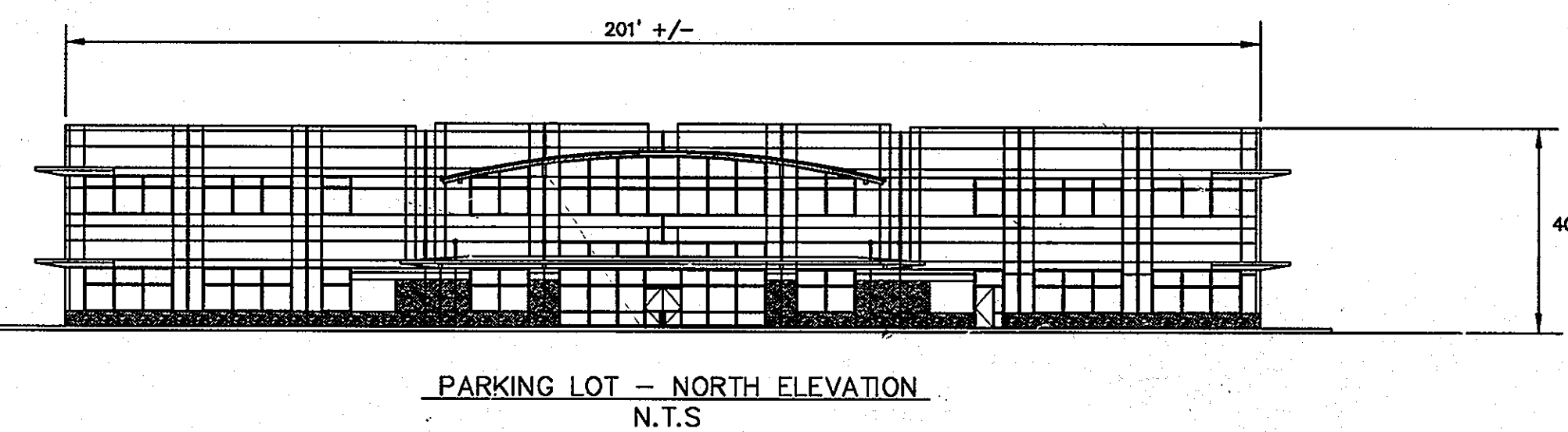
Horizontal Datum: Howard County Grid System (NAVD 1927)  
Vertical Datum: NAVD 1929  
Howard County Monument 43HA  
N540761.72, E1373837.37, Elev. 224.90  
Howard County Monument 4386  
N550601.61, E1376866.05, Elev. 210.56

**GENERAL NOTES**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE HOWARD COUNTY DESIGN MANUAL, VOL. IV "STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION" PLUS MSHA STANDARDS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1860 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.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE PER HOWARD COUNTY RECORDS AND PROPOSED UTILITIES PER F-04-070
- PUBLIC WATER AND SEWER PROVIDED BY CONTRACT # 14-4193-D
- THIS SITE IS LOCATED IN THE DEEP RUN, POTAPSCO WATERSHED
- ALL FILL AREAS SHALL BE COMPACTED TO A MINIMUM OF 95 % OF THE MAXIMUM DRY DENSITY AS DETERMINED AND VERIFIED IN ACCORDANCE WITH AASHTO T-180--STANDARD.
- CONTRACTOR SHALL MAINTAIN ALL SEDIMENT CONTROL DEVICES WITHIN THE LIMITS OF THE SITE DURING CONSTRUCTION OF THE SITE IMPROVEMENTS. CONTRACTOR SHALL PROVIDE ADDITIONAL EROSION AND SEDIMENTATION CONTROL MEASURES AS MAY BE NECESSARY DURING CONSTRUCTION AND/OR BY GOVERNING AGENCIES.
- A 100 YR FLOODPLAIN STUDY IS NOT REQUIRED FOR THIS PROJECT. THE 100 YR FLOODPLAIN HAS BEEN PREVIOUSLY DELINEATED PER PLAT # (16916 - 16920) AND SHOWN AS A PART OF THIS PLAN.
- EXISTING ON-SITE WETLANDS HAVE BEEN SHOWN AS APPROVED AND DELINEATED ON PLAT # (16916 - 16920)
- ALL APPLICABLE STEEP SLOPES HAVE BEEN LOCATED ON THIS SITE DEVELOPMENT PLAN.
- THERE ARE NO KNOWN CEMETERIES OR BURIAL GROUNDS ON THIS SITE. HOWEVER, UPON DISCOVERY OF ANY EVIDENCE OF BURIAL OR GRAVES, THE DEVELOPER WILL BE SUBJECT TO SECTION 16.1305 OF THE HOWARD COUNTY SUBDIVISION AND LAND DEVELOPMENT REGULATIONS.
- ALL ADJACENT PROPERTIES ARE NON-RESIDENTIAL USES.
- NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE WETLANDS, STREAM(S) OR THEIR REQUIRED BUFFERS AND FOREST CONSERVATION EASEMENT AREAS.
- THE SUBJECT PROPERTY IS ZONED M-2 PER THE COMPREHENSIVE REZONING PLAN (02/02/2004).
- THE TOPOGRAPHY AND SITE BOUNDARY WERE COMPLETED BY THIR RBA GROUP ON AND BETWEEN JANUARY 8 AND JUNE 25, 2003.
- THE COORDINATES SHOWN HEREON ARE BASED UPON THE HOWARD COUNTY GEODETIC CONTROL WHICH IS BASED UPON THE MARYLAND STATE PLAN COORDINATE SYSTEM MONUMENT NOS 43HA AND 4386 WERE USED FOR THIS PROJECT (NAD 1983/91).
- CONTRACTOR SHALL VERIFY SIZE AND LOCATIONS OF ALL UNDERGROUND UTILITIES AND TEST PIT ALL UTILITIES, INCLUDING PROPOSED TIE IN LOCATIONS, AT LEAST 5 DAYS PRIOR TO STARTING ANY WORK ON THESE DRAWINGS. DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER IN ADVANCE OF CONSTRUCTION START.
- THE CONTRACTOR SHALL INSURE THAT CURRENT AS BUILT RECORDS ARE MAINTAINED DURING CONSTRUCTION. UPON COMPLETION OF CONSTRUCTION, CERTIFIED (i.e. P.E. STAMPED) AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE OWNER.
- WATER QUALITY & QUANTITY MANAGEMENT FOR THIS SITE IS PROVIDED IN STORMWATER MANAGEMENT POND #1 ON MASS GRADING PLAN (SDP-04-18).
- OPERATING EXISTING VALVES, SWITCHES, SERVICES OR START UP OF NEW SERVICES SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
- UNLESS OTHERWISE NOTED, DIMENSIONS FROM CURB ARE MEASURED AT FACE OF CURB.
- FOREST CONSERVATION OBLIGATION, IN ACCORDANCE WITH SECTION 16.1202 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION MANUAL, HAVE BEEN MET BY THE PREPARATION ON MASS GRADING PLAN (SDP-04-18).
- 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 HAS BEEN POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$22,680 FOR 47 SHADE TREES, 30 EVERGREEN TREES AND 136 SHRUBS.
- THERE ARE NO STREET LIGHTS PROVIDED IN ACCORDANCE WITH SECTION 134 OF THE ZONING REGULATIONS.
- THE TRAFFIC STUDY WAS PREPARED BY THE RBA GROUP ON JUNE 10, 2003. THE STUDY WAS AMENDED ON MARCH 19, 2004 BY STREET TRAFFIC STUDIES, LTD.
- ON 11/25/03 THE HOWARD COUNTY PLANNING DIRECTOR APPROVED WP-04-58 WHICH WAIVED SECTION 16.145 AND SECTION 16.146, WHICH REQUIRE APPROVAL OF SKETCH PLAN AND PRELIMINARY PLAN FOR MAJOR SUBDIVISIONS.

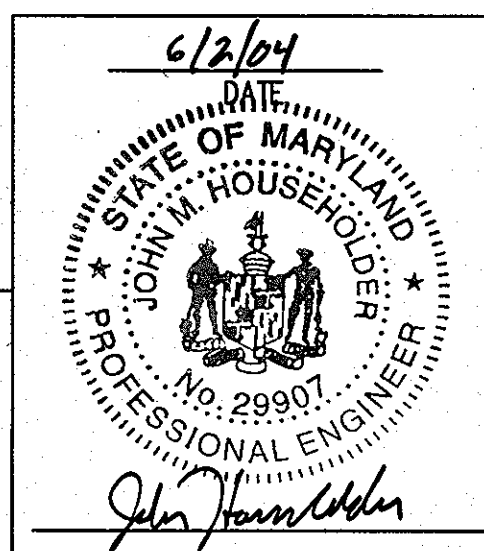


**OVERALL EX. PROPERTY**  
SCALE: 1"=100'



**PARKING LOT - NORTH ELEVATION**  
N.T.S

NOTE:  
christopher consultants SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION, MEANS, METHODS, TECHNIQUES, OR PROCEDURES, UTILIZED BY THE CONTRACTOR, NOR FOR THE SAFETY OF PUBLIC OR CONTRACTOR'S EMPLOYEES, OR FOR THE FAILURE OF THE CONTRACTOR TO CARRY OUT THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND STANDARD CONSTRUCTION PRACTICES.



APPROVED: DEPARTMENT OF PUBLIC WORKS  
Chief, Bureau of Highways \_\_\_\_\_ Date \_\_\_\_\_

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
Chief, Division of Land Development \_\_\_\_\_ Date 7/10/04  
Chief, Development Engineering Division \_\_\_\_\_ Date 9/6/04  
DIRECTOR \_\_\_\_\_ Date 9/26/04

6/11/11 1 Revised To Add Outdoor Condenser Testing Area

AT DORSEY RUN INDUSTRIAL CENTER, PARCEL A  
TR 45, TR GRID 16, P/D TH PARCELS 57, FIRST ELECTION DISTRICT  
HOWARD COUNTY, MD

**OWNER / DEVELOPER**  
MONTEVIDEO SOUTH BUSINESS TRUST 7315 WISCONSIN AVENUE/ SUITE 300 W  
C/O TRAMMELL CROW COMPANY BETHESDA, MARYLAND 20814  
TEL (301) 530-6200 FAX (301) 530-6131

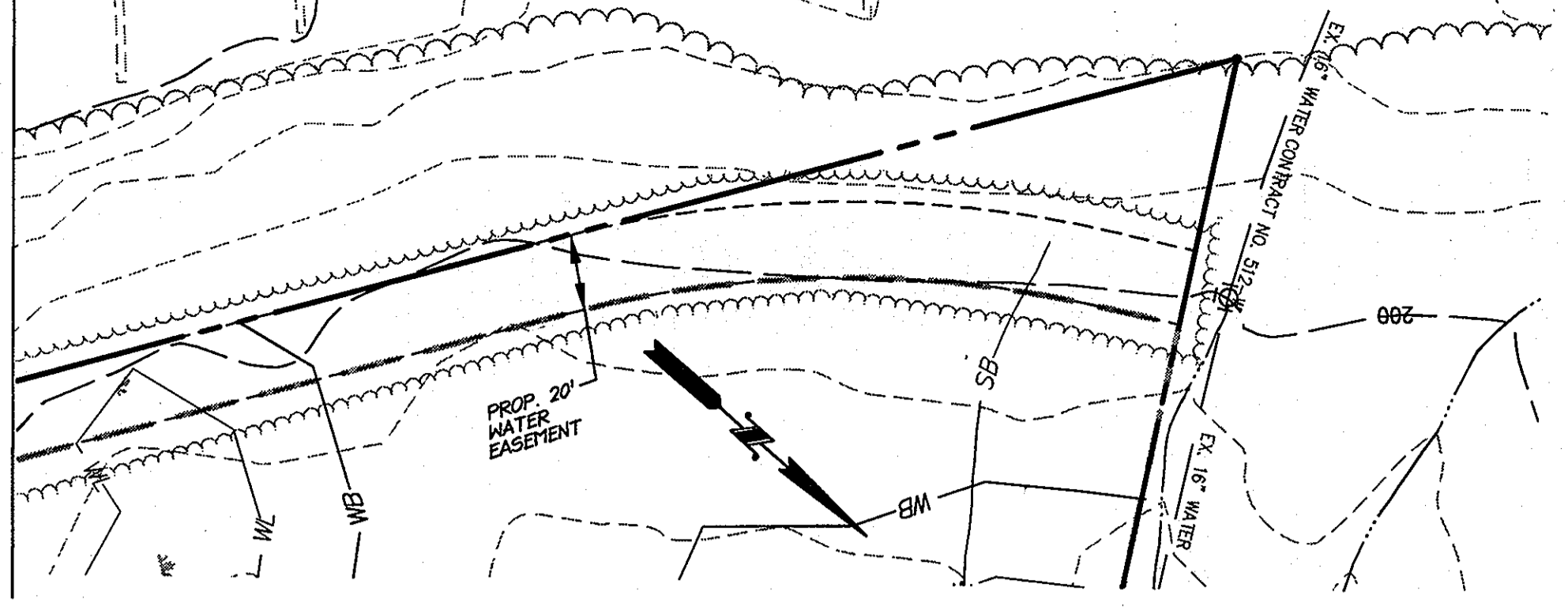
**christopher consultants**  
engineering · surveying · land planning  
christopher consultants, inc.  
1712 columbia gateway drive suite 100 · columbia, md 21046-2990  
410.572.2800 · fax: 410.571.0146 · fax: 410.572.2800

ADDRESS CHART		
LOT/PARCEL	STREET ADDRESS	
572	7520 MONTEVIDEO ROAD	
PERMIT INFORMATION CHART		
SUBDIVISION NAME	LOT/PARCEL NO.	CENSUS TRACT
DORSEY RUN INDUSTRIAL CENTER	PARCEL A, P/D TH PARCELS 57	6067.03
PLAT NO. GRID NO.	ZONE	TAX MAP
16916-16920 16	M-2	43
WATER CODE	PUBLIC	SEWER CODE
	PUBLIC	PUBLIC
TITLE:		
<b>COVER SHEET</b>		
DESIGN: BAM	SCALE: 1"=100'	PROJECT: 036701.01
DRAWN: ADL	DATE: 6/02/04	
CHECKED: JMH	APPROVED:	

**SITE ANALYSIS DATA CHART**

- GENERAL SITE DATA
  - PRESENT ZONING: M-2 PER THE 2004 COMP. REZONING PLAN
  - APPLICABLE DPZ FILE REFERENCES: SDP-04-18, F-04-070, WP-04-58, GP-04-55
  - PROPOSED USE OF SITE OR STRUCTURE(S): MANUFACTURING
  - PROPOSED WATER AND SEWER SYSTEMS: PUBLIC
- AREA TABULATION
  - TOTAL PROJECT AREA: 20.5 AC±
  - AREA OF THIS PLAN SUBMISSION: 20.5 AC±
  - LIMIT OF DISTURBED AREA: 6.55 AC±
  - PROPOSED BLDG. SQUARE FOOTAGE: 83,238 TOTAL, INCLUDING MEZZANINE (65,052 SF - FIRST FLOOR, 27,894 SF - SECOND FLOOR, 292 SF - SECONDARY ROOF)
  - BUILDING COVERAGE OF SITE: 1.5 AC± AND 7.3% OF GROSS AREA (PROPOSED)
  - THE PROPOSED BLDG. IS INTENDED FOR SINGLE TENANT USE.
- PARKING SPACE DATA
  - NUMBER OF PARKING SPACES REQUIRED BY ZONING REGULATIONS AND CRITERIA: 233 SP. (2.5 SP/1000 SF.)
  - TOTAL NUMBER OF PARKING SPACES PROVIDED ON-SITE: 250 (2.6 +/- SP/1000 SF.)
  - NUMBER OF HANDICAPPED PARKING SPACES PROVIDED: 8 SPACES (INCLUDED IN PKG. SP. PROVIDED)

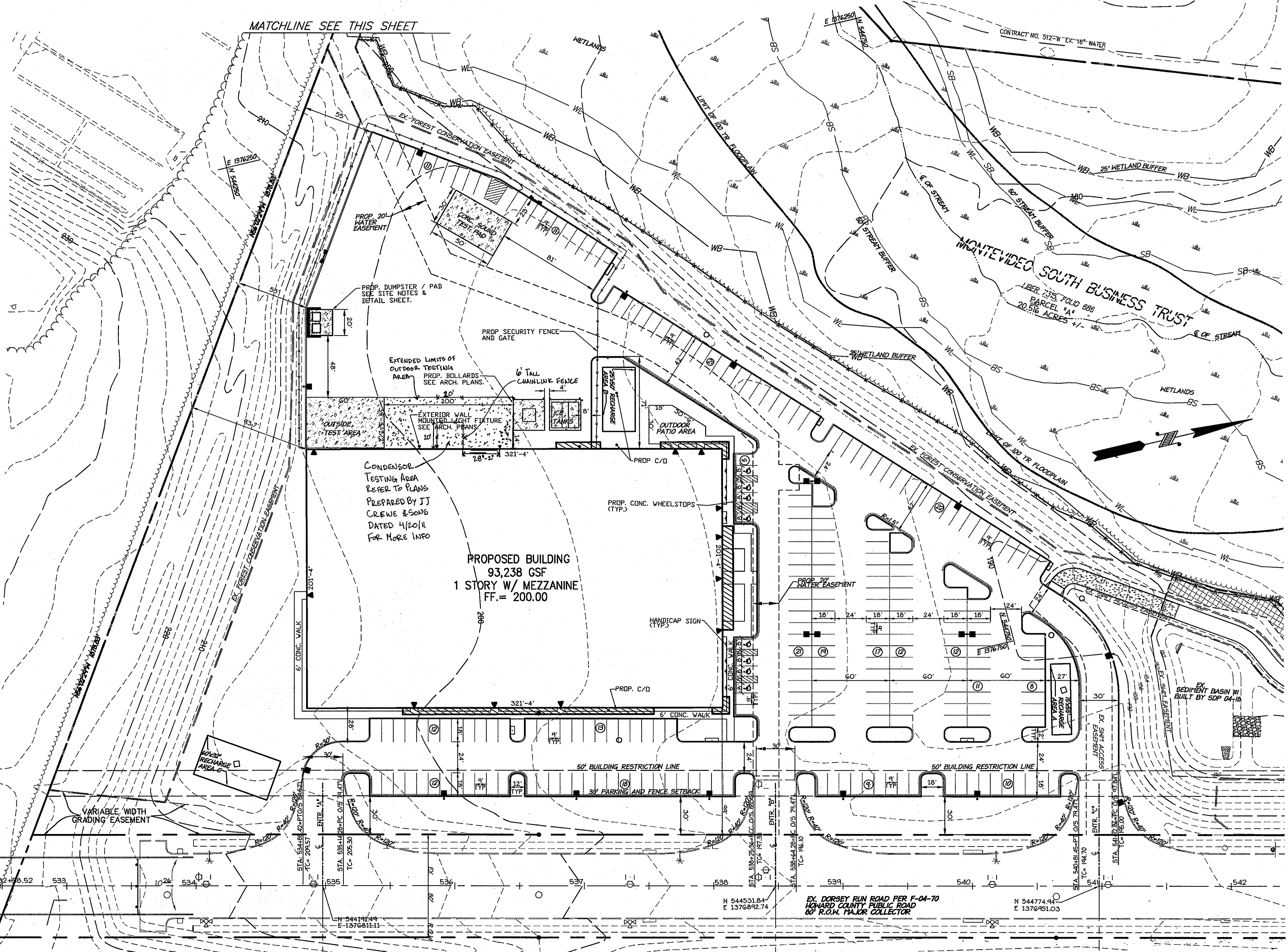
MATCHLINE SEE THIS SHEET



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING WOODS LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
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- WETLAND
- WETLAND BUFFER
- STREAM BUFFER
- DOOR ENTRANCE
- ROOF OVERHANG
- WATER VALVE
- FH
- STORM DRAIN INLET
- EX. FOREST CONSERVATION EASEMENT

MATCHLINE SEE THIS SHEET



7/6/2011



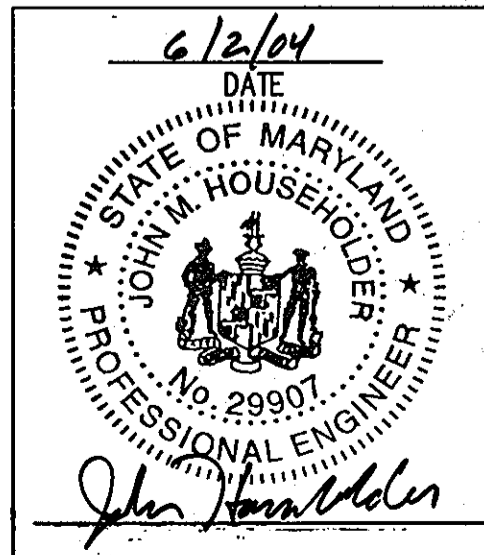
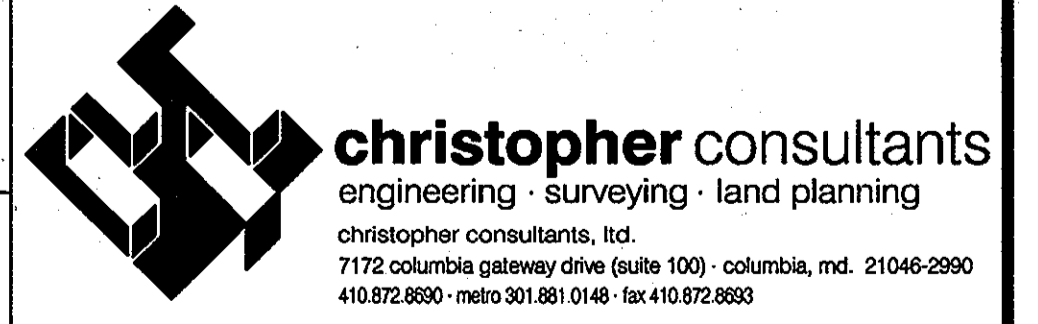
For revision 1

APPROVED: DEPARTMENT OF PLANNING AND ZONING		
<i>Chida Hamden</i>	7/10/11	Date
Chief, Division of Land Development	WB	
<i>John J. Hamden</i>	9/2/10	Date
Chief, Development Engineering Division	MJC	
<i>David L. Leight</i>	7/27/11	Date
Director		

Date	No.	Revision Description
6/1/11	1	REVISED TO ADD OUTDOOR CONDENSOR TESTING AREA

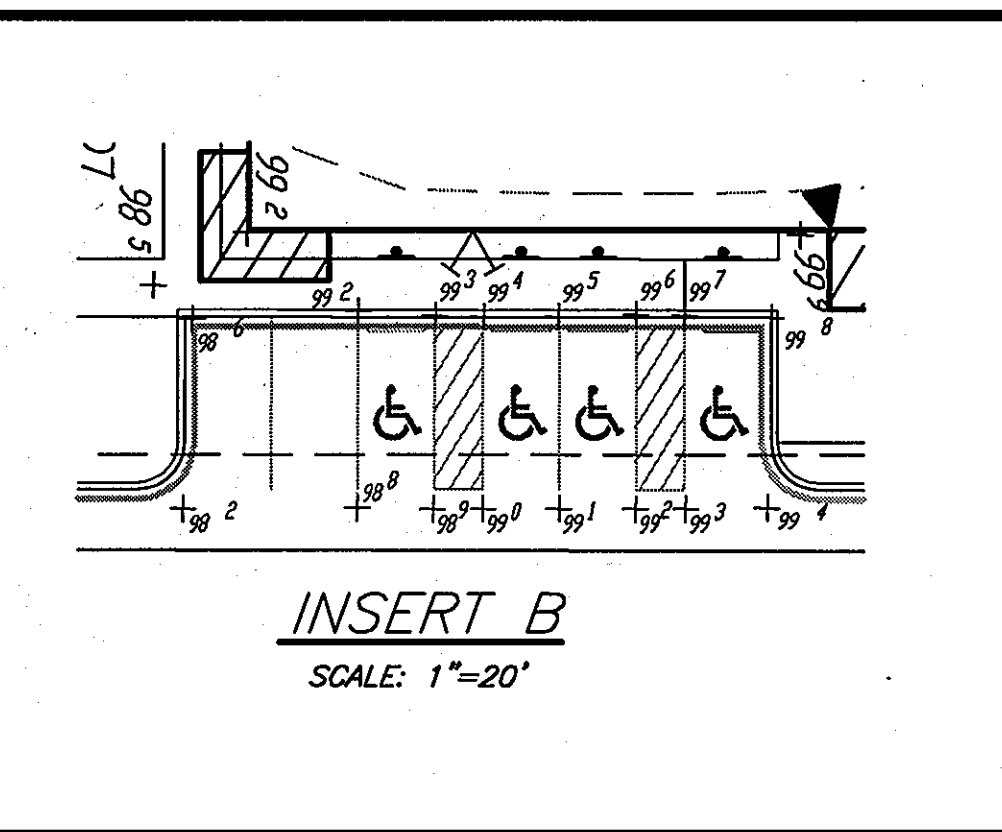
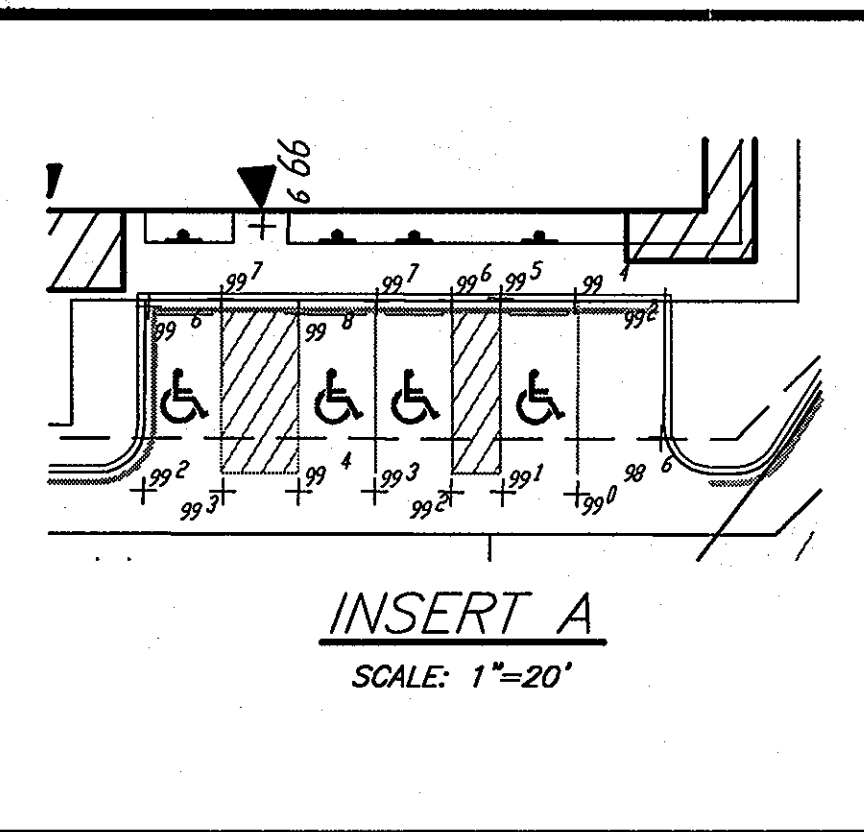
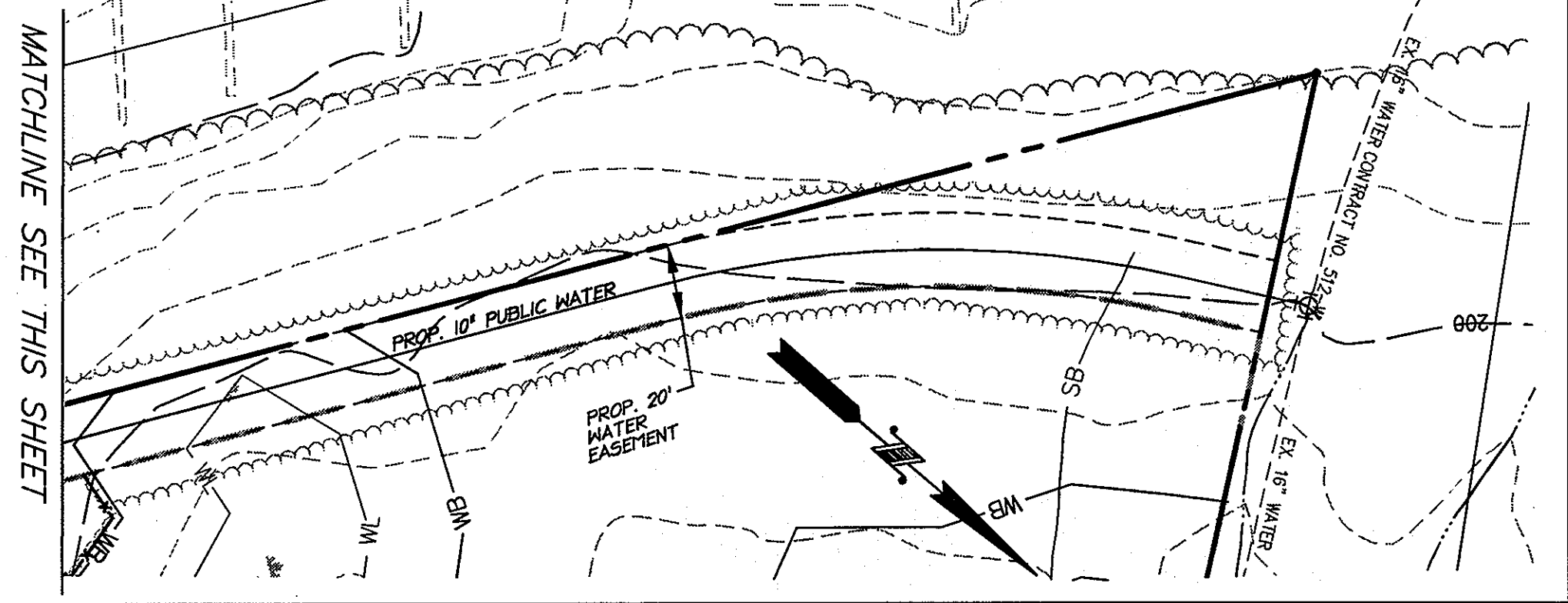
AT DORSEY RUN W/ DORSEY RUN CENTER, PARCEL A  
 TM 43, TM GRID 16, PLO TM PARCEL 572, FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MD

**OWNER / DEVELOPER**  
 MONTEVIDEO SOUTH BUSINESS TRUST  
 C/O TRAMMELL CROW COMPANY  
 7315 WISCONSIN AVENUE, SUITE 300 W  
 BETHESDA, MARYLAND 20814  
 TEL. (301) 530-6200 FAX (301) 530-6131

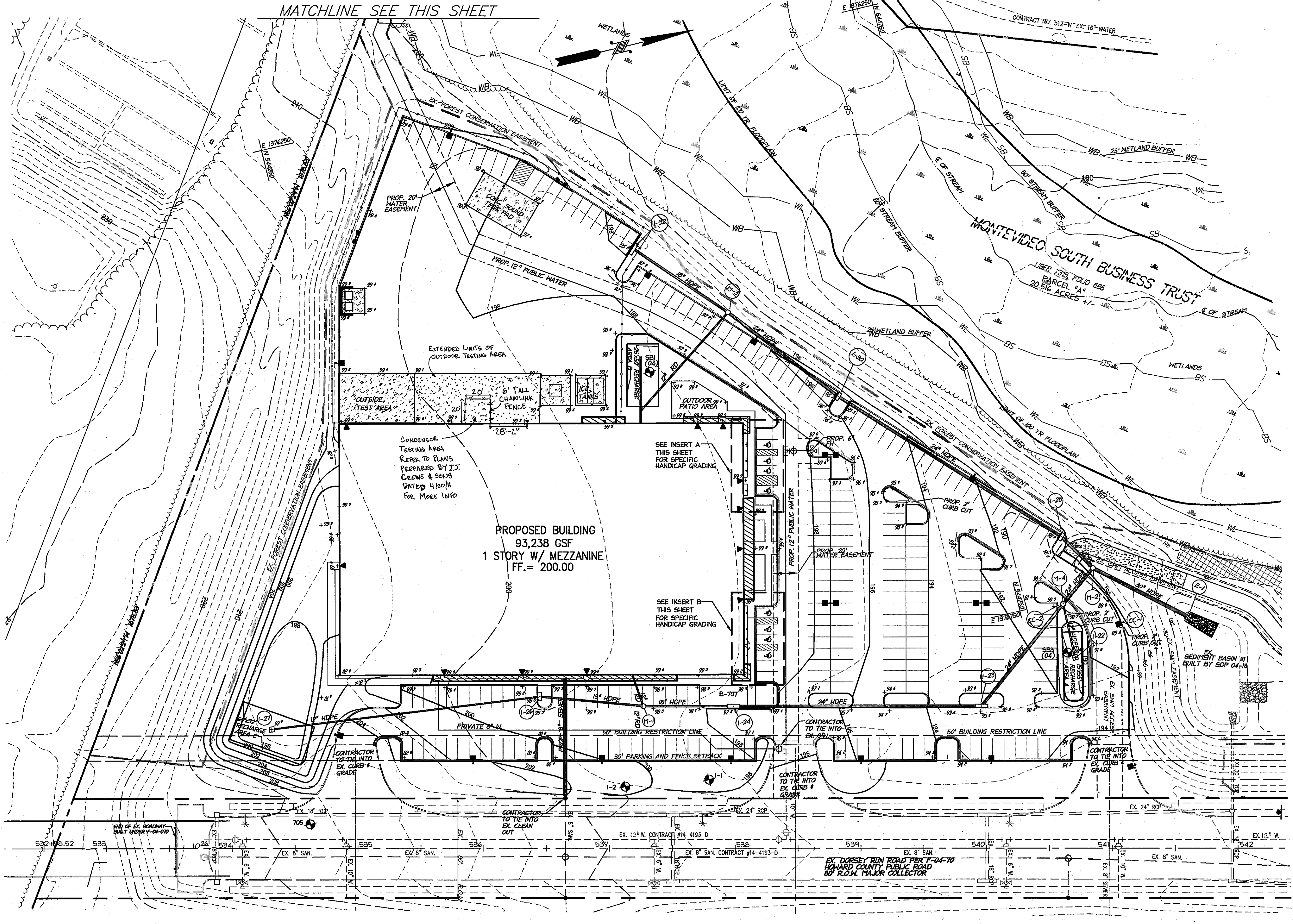


TITLE: SITE LAYOUT PLAN

DESIGN: BAM	SCALE: 1"=40'	PROJECT: 036701.01
DRAWN: ADL	DATE: 6/01/04	
CHECKED: JMH	APPROVED:	



- LEGEND**
- - - - - : EXISTING CONTOUR
  - - - - - : PROPOSED CONTOUR
  - + 48.3 : PROPOSED SPOT ELEVATION
  - - - - - : EXISTING WOODS LINE
  - - - - - : EXISTING STORM SEWER
  - - - - - : PROPOSED STORM SEWER
  - - - - - : EXISTING SANITARY SEWER
  - - - - - : PROPOSED SANITARY SEWER
  - - - - - : EXISTING WATER LINE
  - - - - - : PROPOSED WATER LINE
  - - - - - : EXISTING CURB AND GUTTER
  - - - - - : PROPOSED CURB AND GUTTER
  - - - - - : EDGE OF PAVEMENT
  - - - - - : FOUNDATION DRAIN OUTLET
  - - - - - : PARKING LOT LIGHTS
  - - - - - : REVERSE CURB
  - WL : WETLAND
  - WB : WETLAND BUFFER
  - SB : STREAM BUFFER
  - ▼ : DOOR ENTRANCE
  - ▨ : ROOF OVERHANG
  - ⊕ : WATER VALVE
  - ⊗ : FH
  - : STORM DRAIN INLET
  - - - - - : EX. FOREST CONSERVATION EASEMENT
  - ⊙ : SOIL BORINGS



7/6/2011

for revision 1

APPROVED: DEPARTMENT OF PLANNING AND ZONING

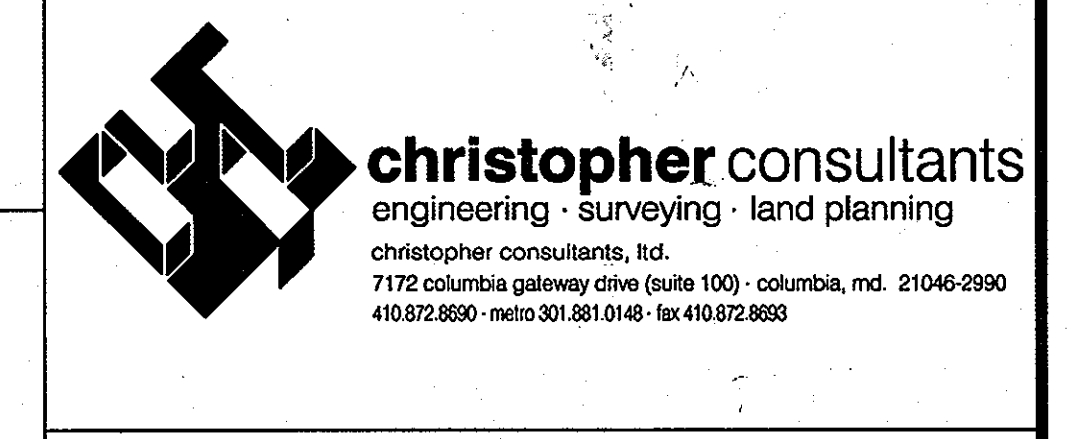
<i>Quida Kromke</i>	7/6/04
Chief, Division of Land Development	Date
<i>Chris Pomeroy</i>	9/6/04
Chief, Development Engineering Division (MD)	Date
<i>Mark L. Wright</i>	7/22/04
Director	Date

6/1/11 1 REVISED TO ADD OUTDOOR CONDENSER TESTING AREA

Date No. Revision Description

AT DORSEY RUN INDUSTRIAL CENTER, PARCEL A  
 T.M. 43, T.M. GRID 16, P.O. T.M. PARCEL B2, FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MD

**OWNER / DEVELOPER**  
 MONTEVIDEO SOUTH BUSINESS TRUST  
 C/O TRAMMELL CROW COMPANY  
 7315 WISCONSIN AVENUE SUITE 300 W  
 BETHESDA, MARYLAND 20814  
 TEL. (301) 530-6200 FAX (301) 530-6131



6/2/04

John M. Householder

TITLE: **GRADING & UTILITY PLAN**

DESIGN: BAM	SCALE: 1"=40'	PROJECT: 036701.01
DRAWN: ADL	DATE: 6/01/04	
CHECKED: JMH	APPROVED:	<b>3 OF 12</b>

**SOILS CLASSIFICATION**

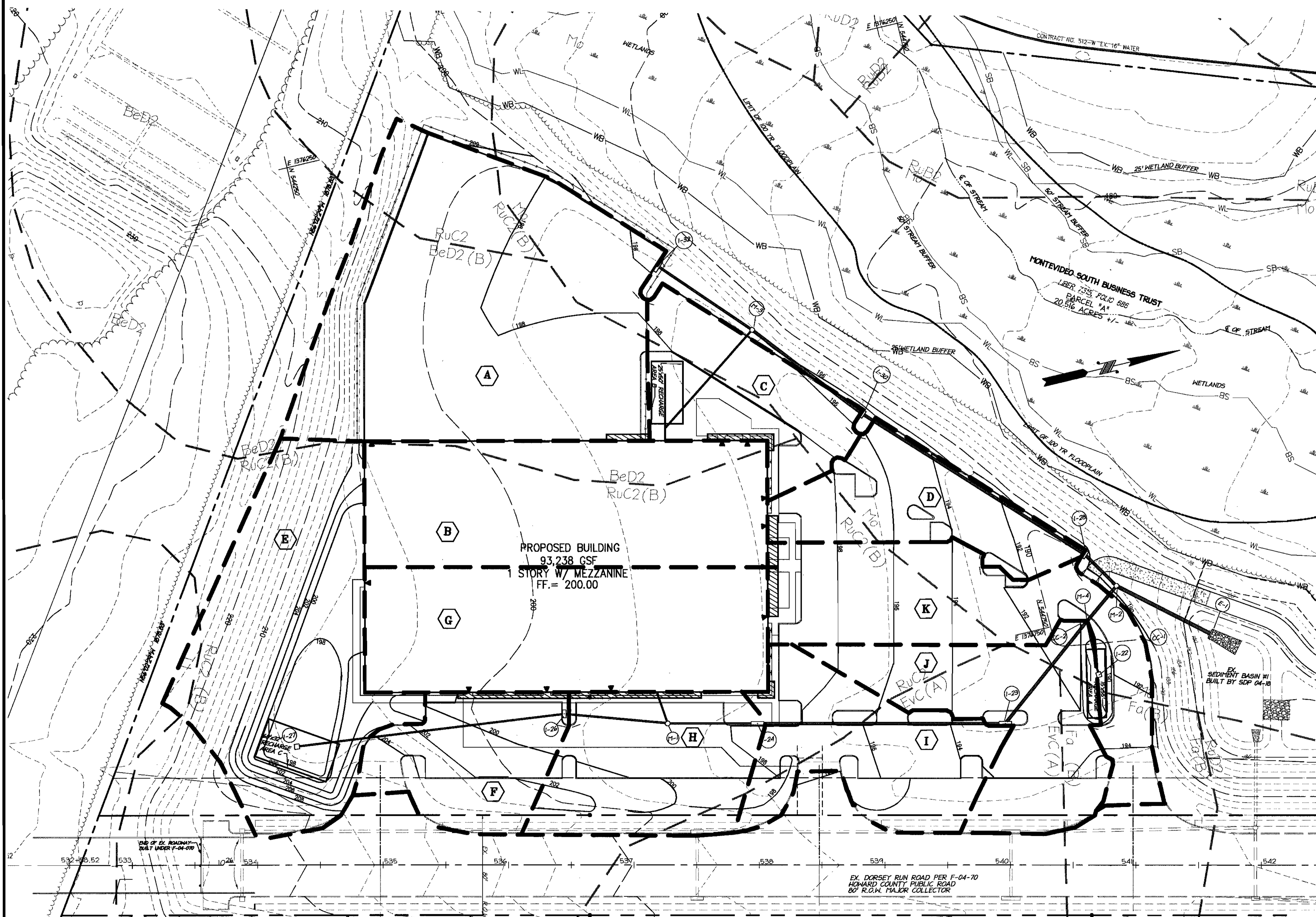
Type	Name	Group	Description
EvB	Evesboro	A	Loamy Sand, 1 to 5 percent slopes
EvC	Evesboro	A	Loamy Sand, 5 to 15 percent slopes
Fa	Fallsington	B/D	Loam
LI	Leopardtown	D	Silt Loam
RuC2	Rumford	B	Loamy Sand, 1 to 5 percent slopes, moderately eroded
RuD2	Rumford	B	Loamy Sand, 10 to 15 percent slopes, moderately eroded
BeD2	Beltsville		Silt Loam, 10 to 15 percent slopes, moderately eroded
Mo	Mixed alluvial		

**DRAINAGE CHART**

INLET NO.	INLET DESIGNATION	DRAINAGE AREA (AC.)	'C' FACTOR	PERCENT IMPERVIOUS (%)
CC-1	K	0.61	0.82	93
I-22	J	0.45	0.62	67
I-23	I	0.43	0.63	65
I-24	H	0.32	0.31	72
M-1	G	0.73	0.86	100
I-26	F	0.36	0.72	78
I-27	E	0.68	0.24	0
I-28	D	0.35	0.83	91
I-30	C	0.35	0.69	74
M-3	B	0.73	0.86	100
I-32	A	1.26	0.75	83

**LEGEND**

- : EXISTING CONTOUR
- : PROPOSED CONTOUR
- : PROPOSED SPOT ELEVATION
- : EXISTING WOODS LINE
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- : REVERSE CURB
- : WETLAND
- : WETLAND BUFFER
- : STREAM BUFFER
- : DOOR ENTRANCE
- : ROOF OVERHANG
- : DRAINAGE AREA DIVIDE
- : DRAINAGE AREA LABEL

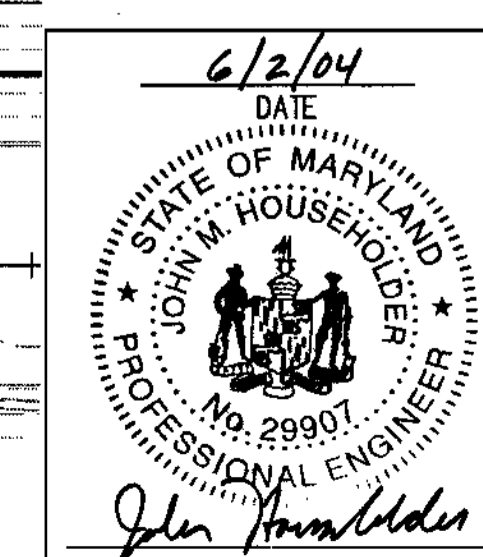


APPROVED: DEPARTMENT OF PLANNING AND ZONING		
<i>Andy Hamada</i>	Chief, Planning and Development	9/14/04
<i>William...</i>	Chief, Development Engineering Division	9/14/04
<i>Marsha...</i>	Director	9/22/04

Date No. Revision Description

**BUILDING "A"**  
AT DORSEY RUN INDUSTRIAL CENTER

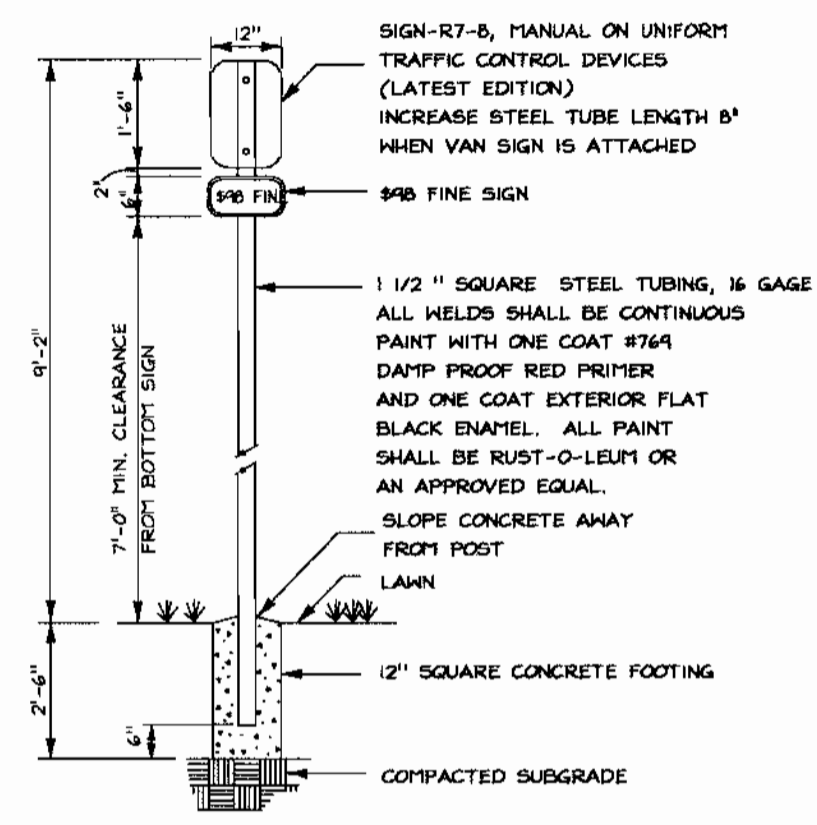
**OWNER / DEVELOPER**  
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7315 WISCONSIN AVENUE SUITE 300 W  
BETHESDA, MARYLAND 20814  
TEL. (301) 530-6200 FAX (301) 530-6131



**christopher consultants**  
engineering · surveying · land planning  
christopher consultants, ltd.  
7172 columbia gateway drive (suite 100) · columbia, md. 21046-2900  
410.872.8800 · metro 301.881.0148 · fax 410.872.8883

**TITLE: STORM DRAINAGE AREA MAP**

DESIGN: BAH	SCALE: 1"=40'	PROJECT: 036701.01
DRAWN: ADL	DATE: 6/01/04	
CHECKED: JMH	APPROVED:	<b>4 OF 12</b>

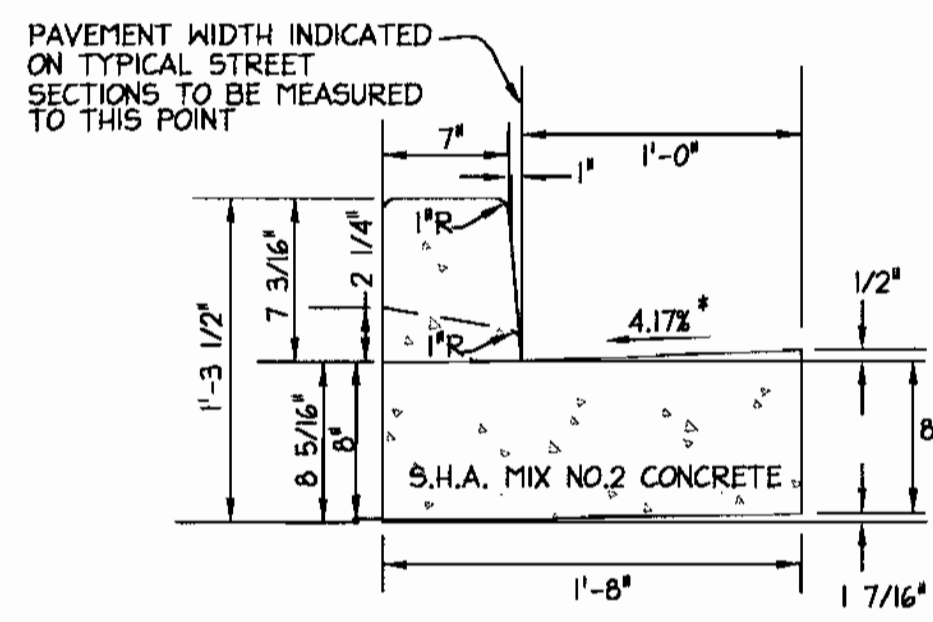


NOTES:  
 1. DISTANCE FROM GROUND TO BOTTOM OF SIGN SHOULD BE A MIN. 7'-6".  
 2. SEE HANDICAPPED PARKING SPACE DETAIL THIS SHEET FOR LOCATION OF HANDICAPPED SIGN.  
 3. SIGNS SHALL CONFORM TO CURRENT ADA CRITERIA.

SIGN COLORS:  
 LETTERS AND BORDER - GREEN  
 WHITE H.C. SYMBOLS ON BLUE BACKGROUND  
 BACKGROUND - WHITE

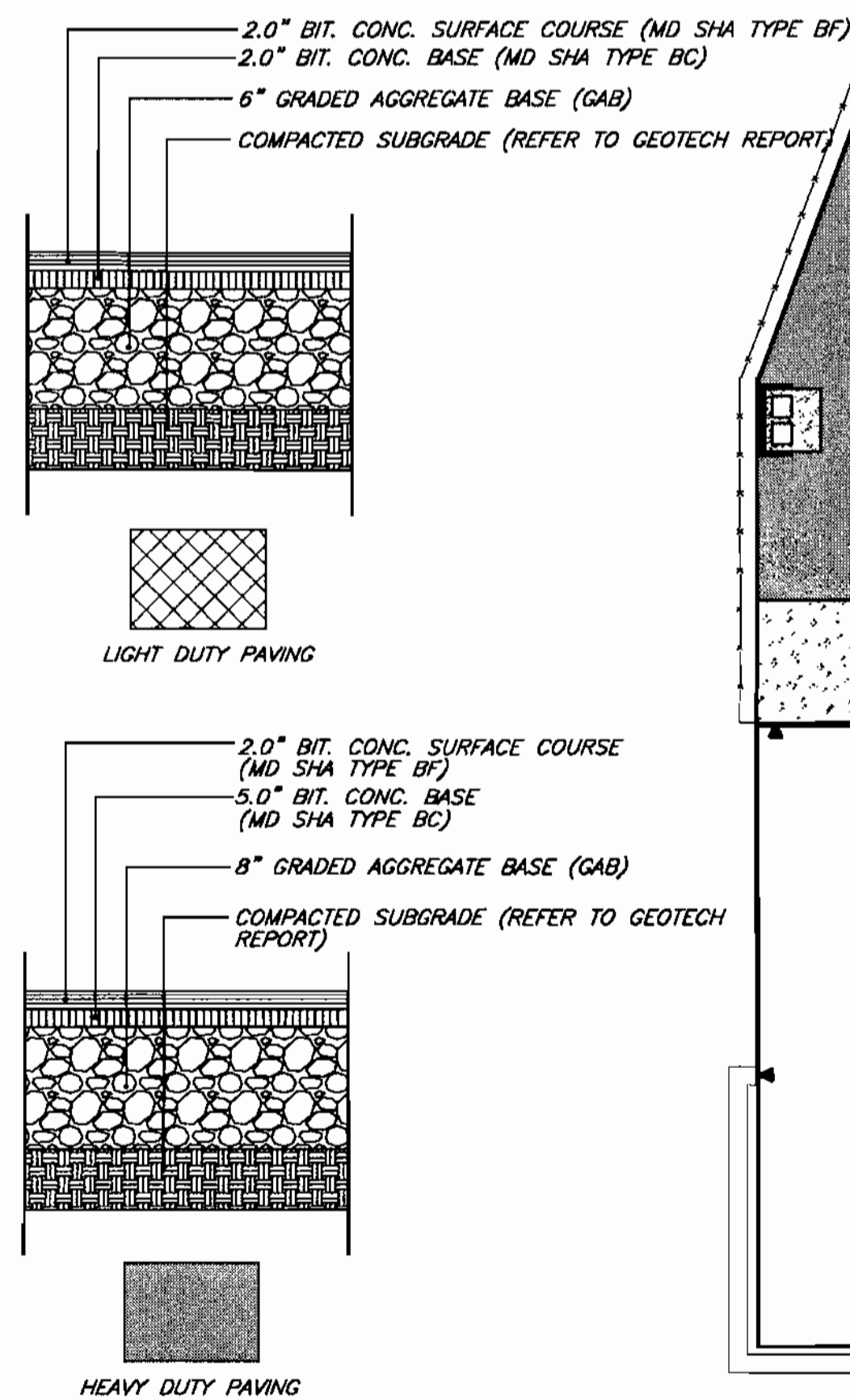
**HANDICAP PARKING SIGN**

Not To Scale

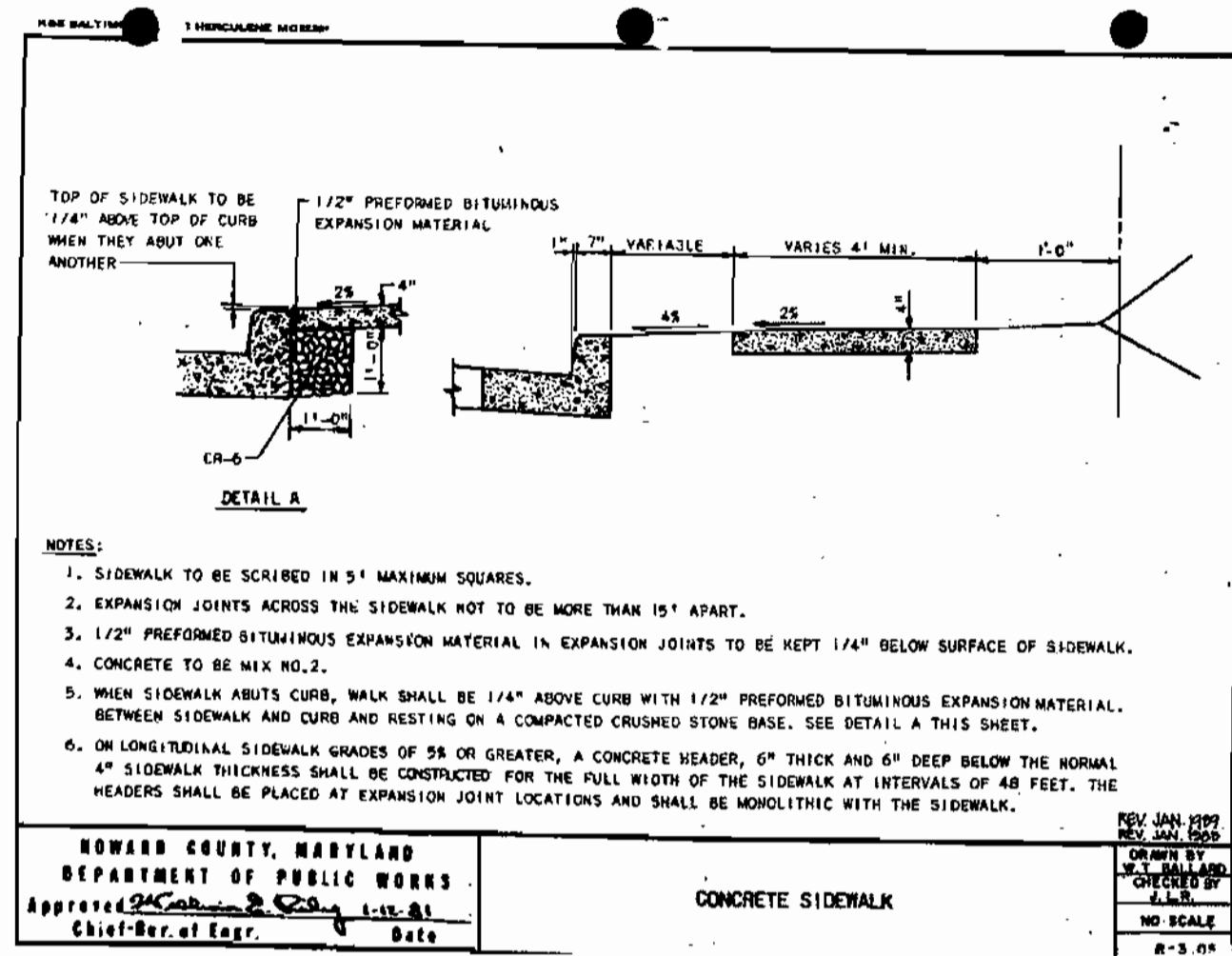


\* GUTTER PAN AT THE MEDIAN EDGE OF INTERMEDIATE ARTERIALS OR THE HIGH SIDE OF SUPERELEVATED SECTIONS SHALL BE SLOPED AT THE SAME RATE AND IN THE SAME DIRECTIONS AS THE PAVEMENT.

**STANDARD 7" COMBINATION CURB AND GUTTER**  
 N.T.S.

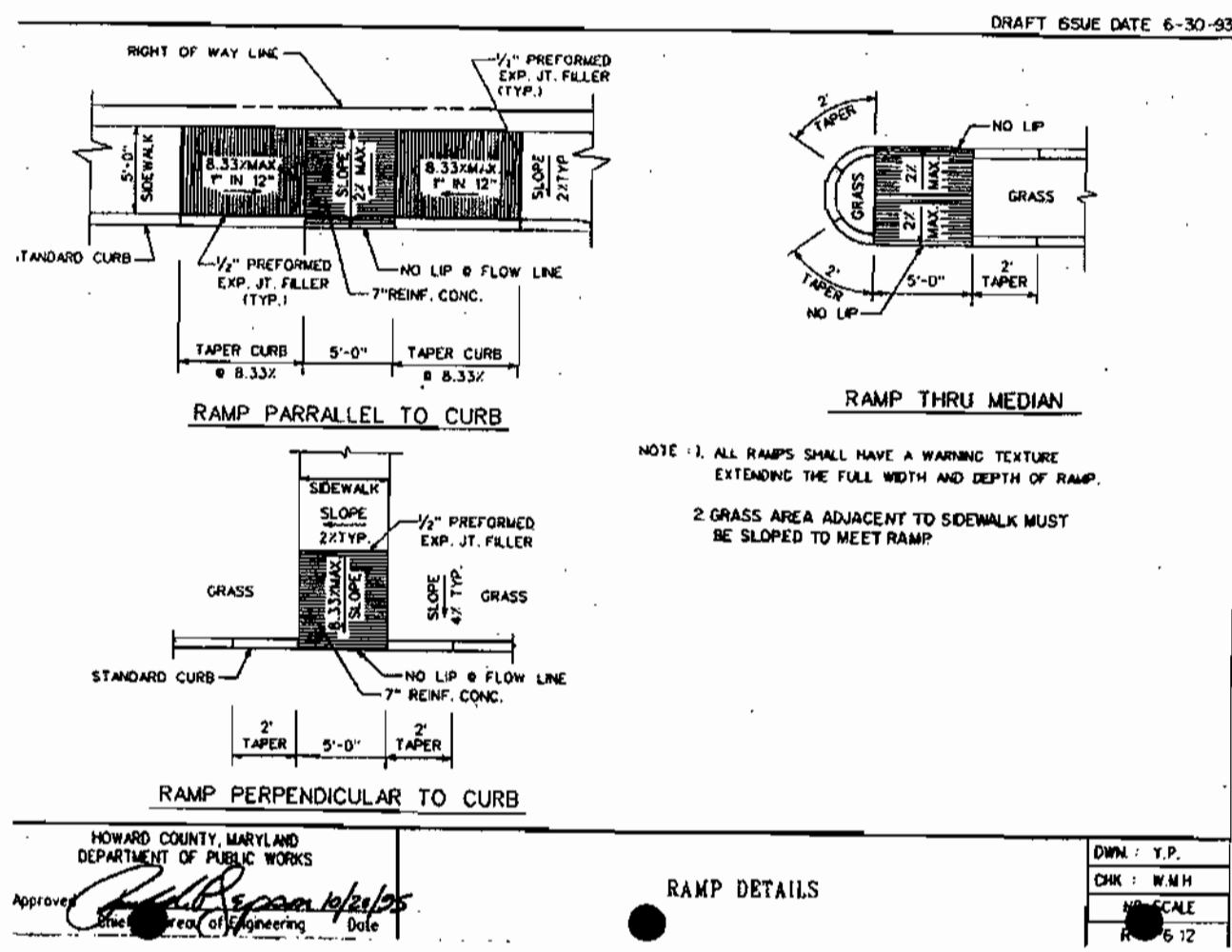


NOTE: THE ABOVE PAVING SECTIONS REFERENCE THE OCTOBER 9, 2003 GEOTECHNICAL REPORT PROVIDED BY ATC ASSOCIATES, INC.



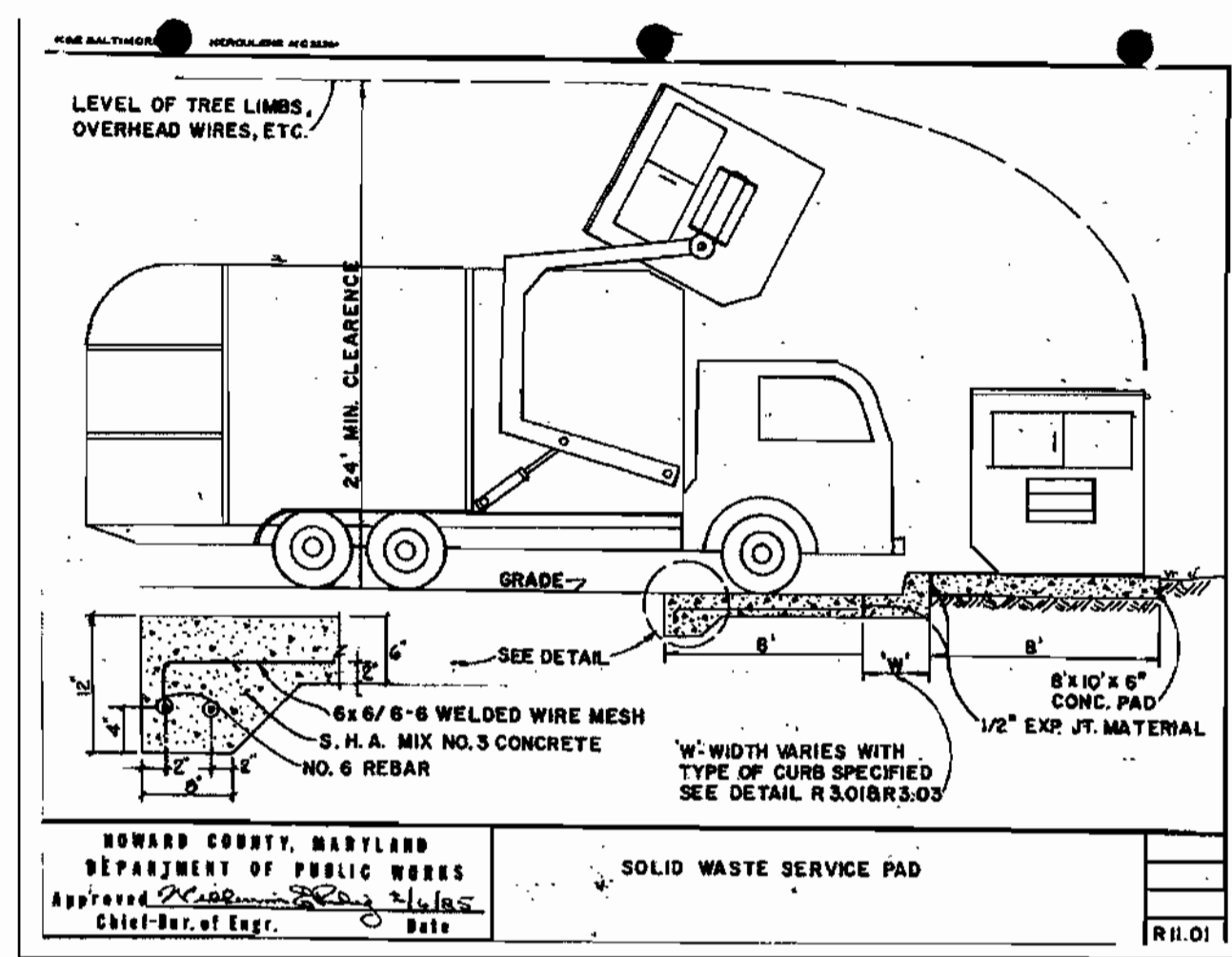
NOTES:  
 1. SIDEWALK TO BE Scribed IN 5' MAXIMUM SQUARES.  
 2. EXPANSION JOINTS ACROSS THE SIDEWALK NOT TO BE MORE THAN 15' APART.  
 3. 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL IN EXPANSION JOINTS TO BE KEPT 1/4" BELOW SURFACE OF SIDEWALK.  
 4. CONCRETE TO BE MIX NO.2.  
 5. WHEN SIDEWALK ABUTS CURB, WALK SHALL BE 1/4" ABOVE CURB WITH 1/2" PREFORMED BITUMINOUS EXPANSION MATERIAL BETWEEN SIDEWALK AND CURB AND RESTING ON A COMPACTED CRUSHED STONE BASE. SEE DETAIL A THIS SHEET.  
 6. ON LONGITUDINAL SIDEWALK GRADIENTS OF 2% OR GREATER, A CONCRETE HEADER, 6" THICK AND 6" DEEP BELOW THE NORMAL 4" SIDEWALK THICKNESS SHALL BE CONSTRUCTED FOR THE FULL WIDTH OF THE SIDEWALK AT INTERVALS OF 48 FEET. THE HEADERS SHALL BE PLACED AT EXPANSION JOINT LOCATIONS AND SHALL BE MONOLITHIC WITH THE SIDEWALK.

HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS  
 Approved: [Signature] Date: 1-15-04  
 Chief-Dir. of Engr. Date: 8-13-04

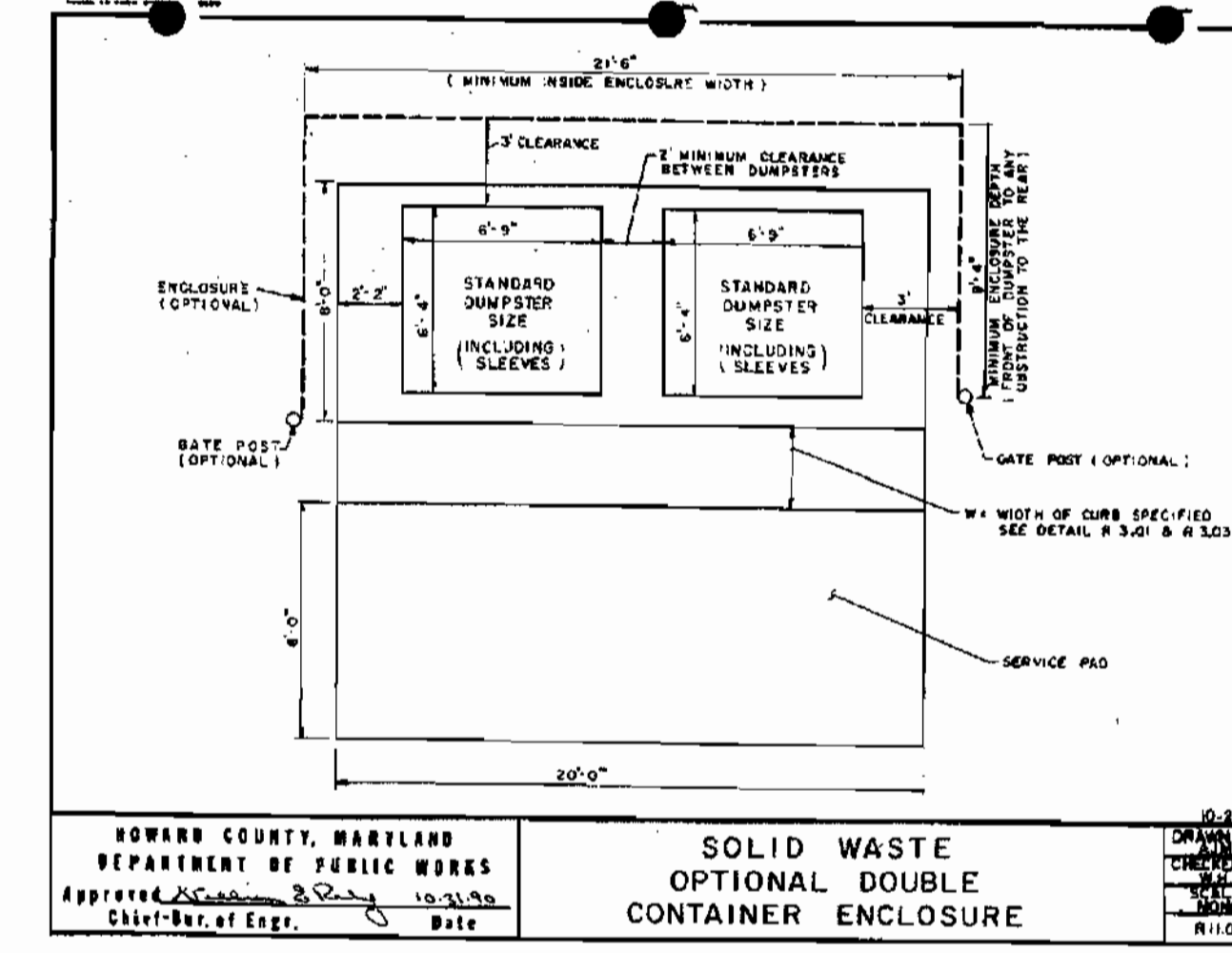


NOTES:  
 1. ALL RAMP SHALL HAVE A WARNING TEXTURE EXTENDING THE FULL WIDTH AND DEPTH OF RAMP.  
 2. GRASS AREA ADJACENT TO SIDEWALK MUST BE SLOPED TO MEET RAMP.

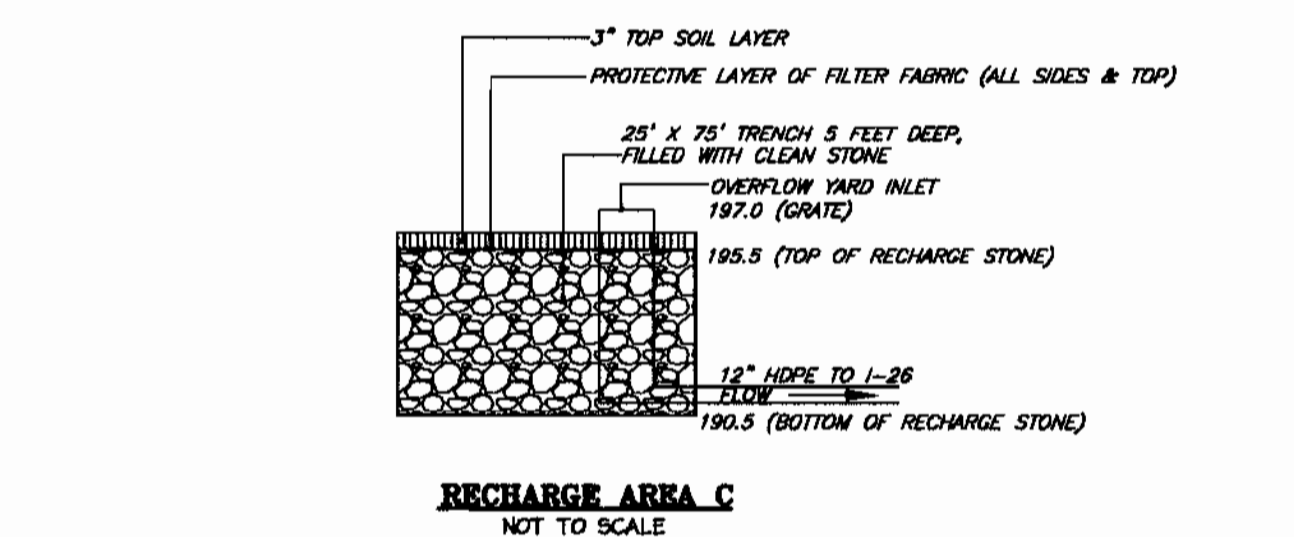
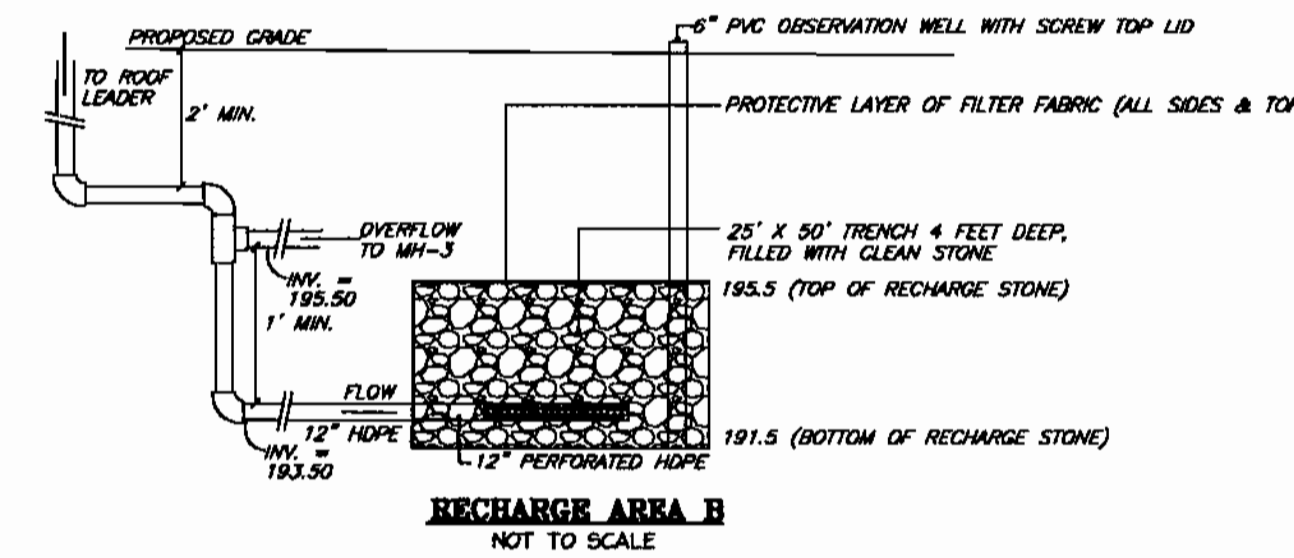
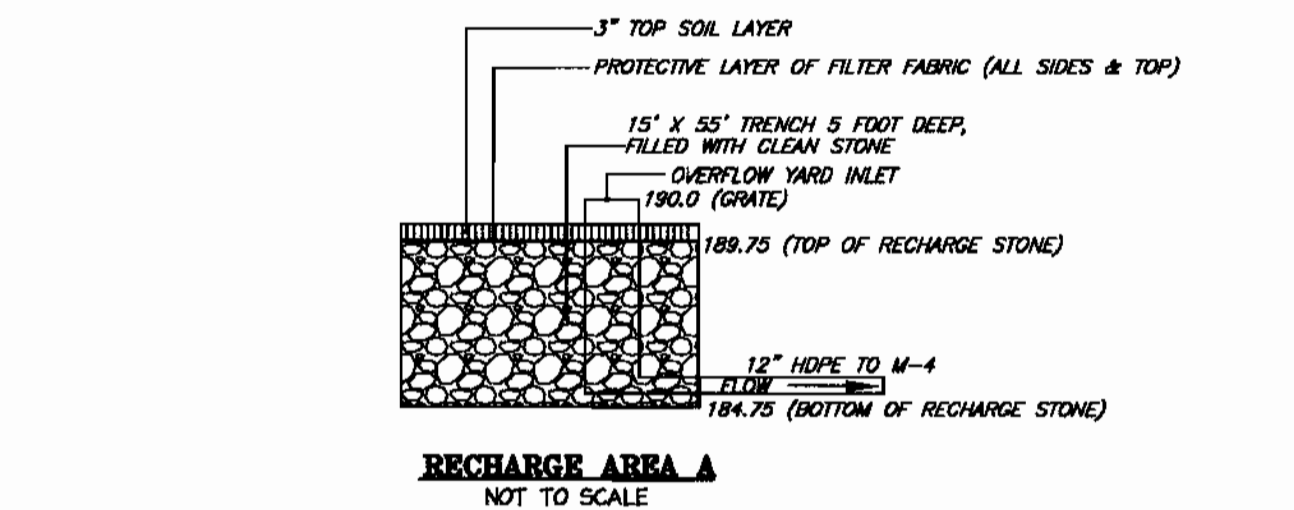
HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS  
 Approved: [Signature] Date: 1-15-04  
 Chief-Dir. of Engr. Date: 8-13-04



HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS  
 Approved: [Signature] Date: 1-15-04  
 Chief-Dir. of Engr. Date: 8-13-04



HOWARD COUNTY, MARYLAND  
 DEPARTMENT OF PUBLIC WORKS  
 Approved: [Signature] Date: 1-15-04  
 Chief-Dir. of Engr. Date: 8-13-04



Note: Stormwater Recharge Trenches are to be privately owned & maintained.

Operation and Maintenance schedule for privately owned and maintained stormwater Recharge Trenches

Routine Maintenance:

- The observation well shall be monitored periodically. For the first year after completion of construction, the well should be monitored on a quarterly basis and after every large storm.
- It is recommended that a log book be maintained indicating the rate at which the facility dewater after large storms and the depth of the well for each observation. Once the performance characteristics of the structure have been verified, the monitoring schedule can be reduced to an annual basis, unless the performance data indicates that a more frequent schedule is required.
- Sediment build-up in the top 12" of stone aggregates or the surface inlet should be monitored at the same time as the observation well. A monitoring well in the top 12" of stone aggregate will be required when the trench has a paved surface. Sediment deposited shall not be allowed to build up to the point where it will reduce the rate of infiltration in to the trench.

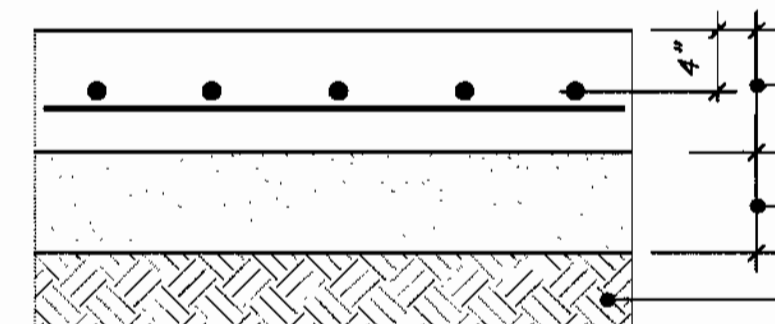
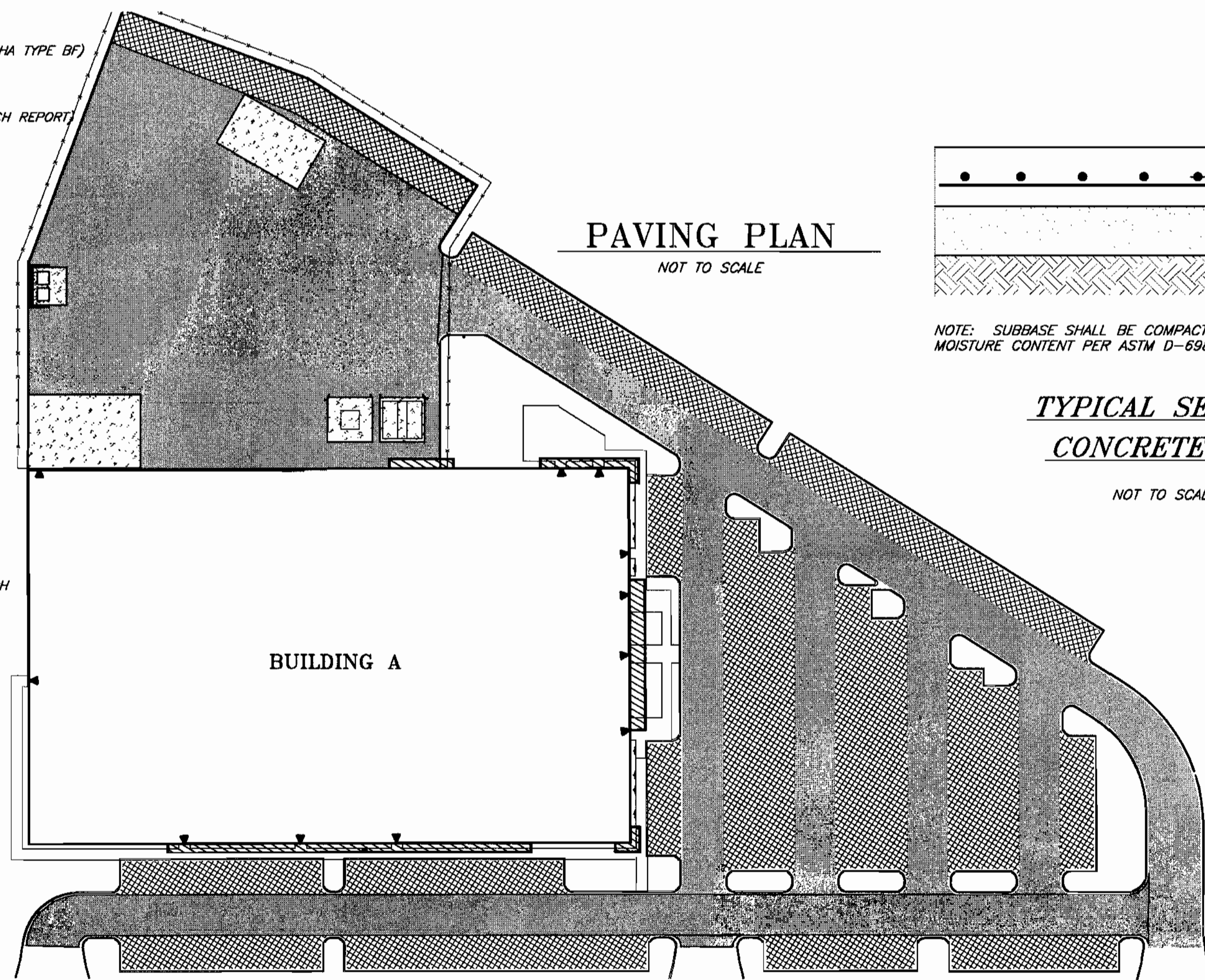
Non-routine Maintenance

Structural components of the Infiltration Trench such as the overflow inlet shall be repaired upon the detection of any damage. The components shall be inspected during routine maintenance operations.

NOTE:  
 ALL RECHARGE AREAS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE MARYLAND DEPARTMENT OF TRANSPORTATION STATE HIGHWAY ADMINISTRATION 2001 STANDARD AND SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS, SECTION 315, INFILTRATION TRENCHES.

**PAVING PLAN**

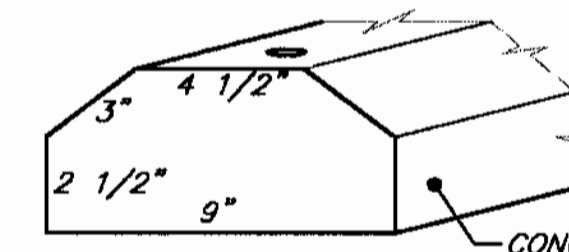
NOT TO SCALE



NOTE: SUBBASE SHALL BE COMPACTED TO 95% DENSITY AT OPTIMUM MOISTURE CONTENT PER ASTM D-698.

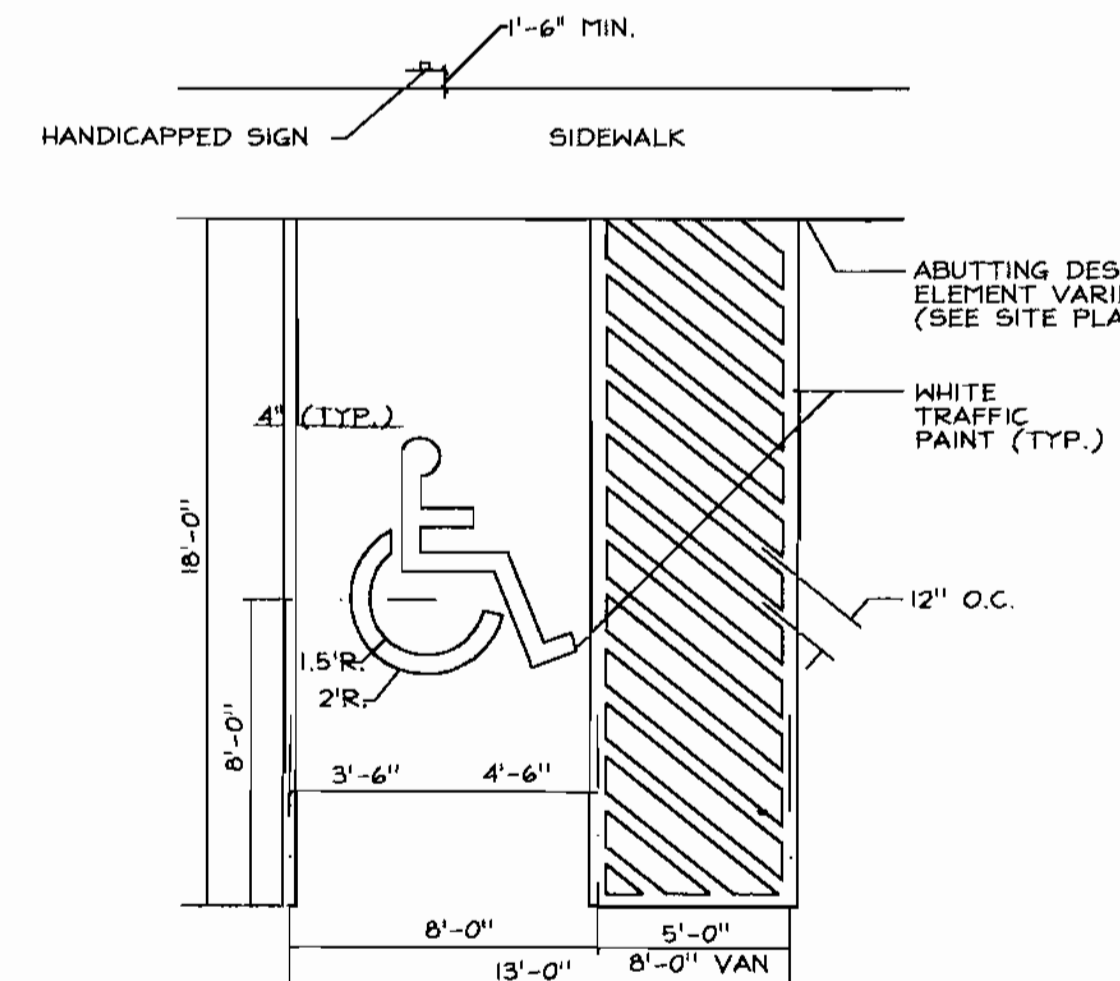
**TYPICAL SECTION CONCRETE PAD**

NOT TO SCALE



**WHEELSTOP DETAIL**

NOT TO SCALE



**HANDICAP PARKING SPACE DETAIL**

NOT TO SCALE

APPROVED: DEPARTMENT OF PLANNING AND ZONING	
Chief, Division of Land Development	Date: 9/16/04
Chief, Development Engineering Division	Date: 9/16/04
Director	Date: 9/24/04

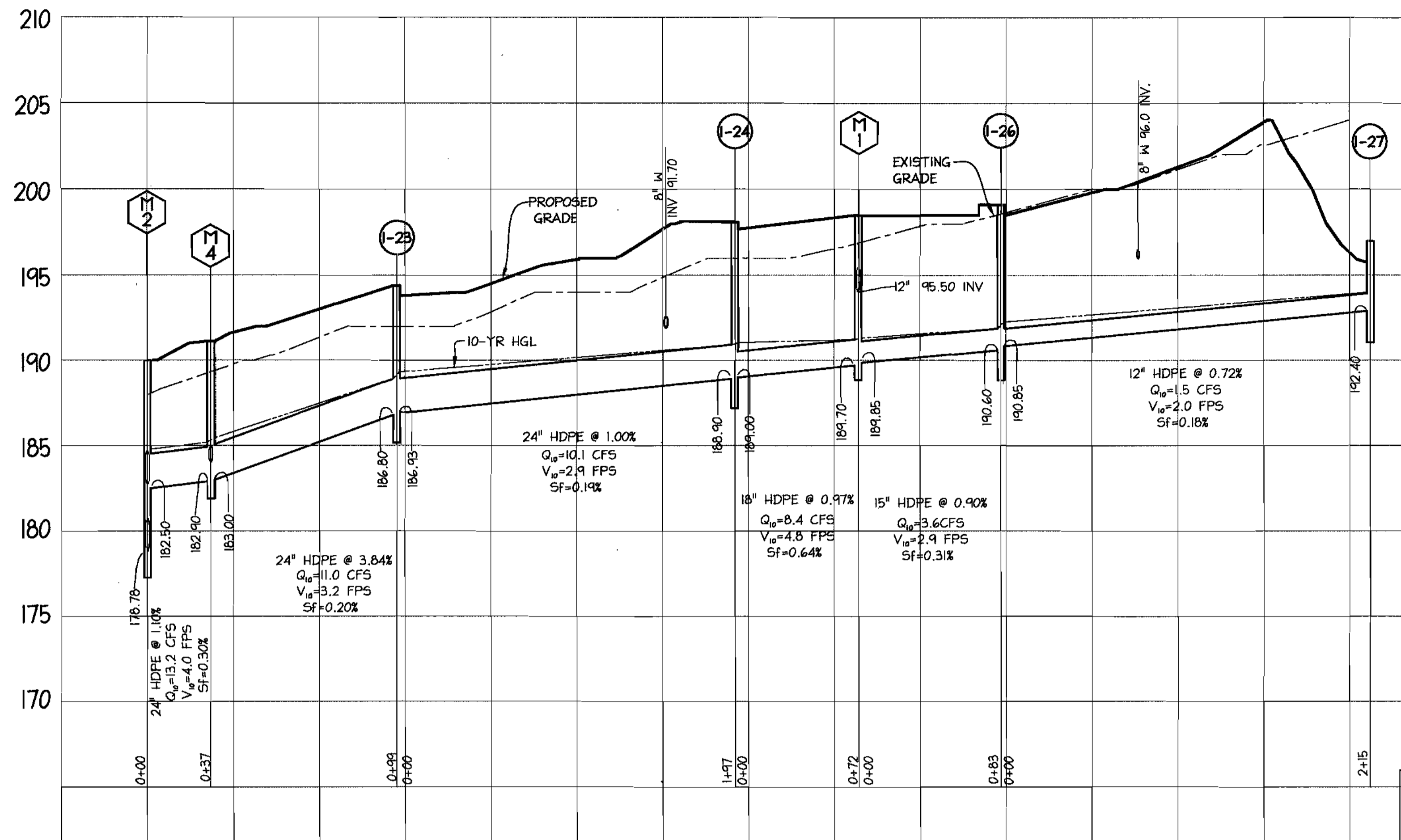
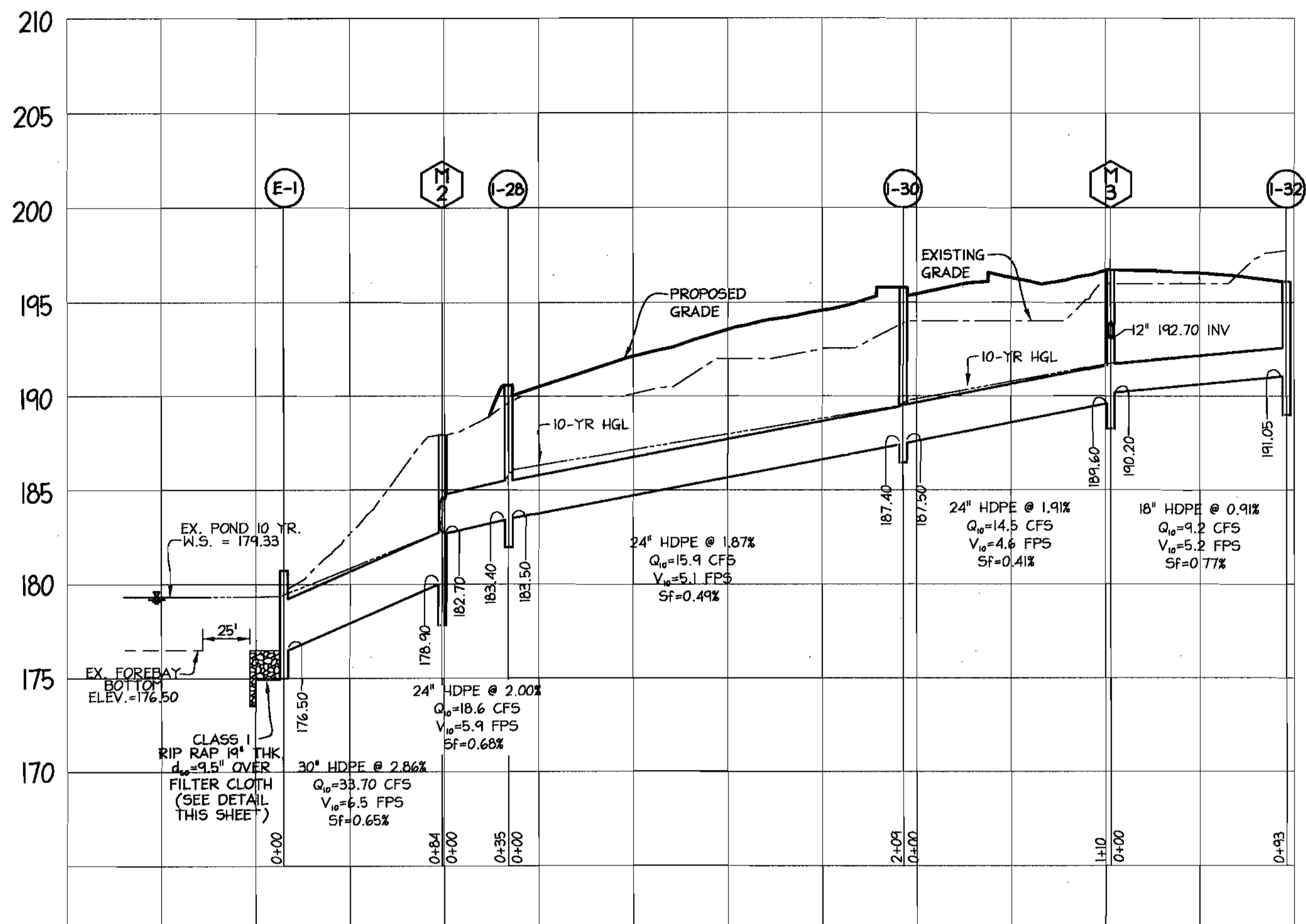
**BUILDING "A" AT DORSEY RUN INDUSTRIAL CENTER**

OWNER / DEVELOPER  
 MONTEVIDEO SOUTH BUSINESS TRUST  
 C/O TRAMMELL CROW COMPANY  
 7315 WISCONSIN AVENUE SUITE 300 W  
 BETHESDA, MARYLAND 20814  
 TEL. (301) 530-6200 FAX (301) 530-6131

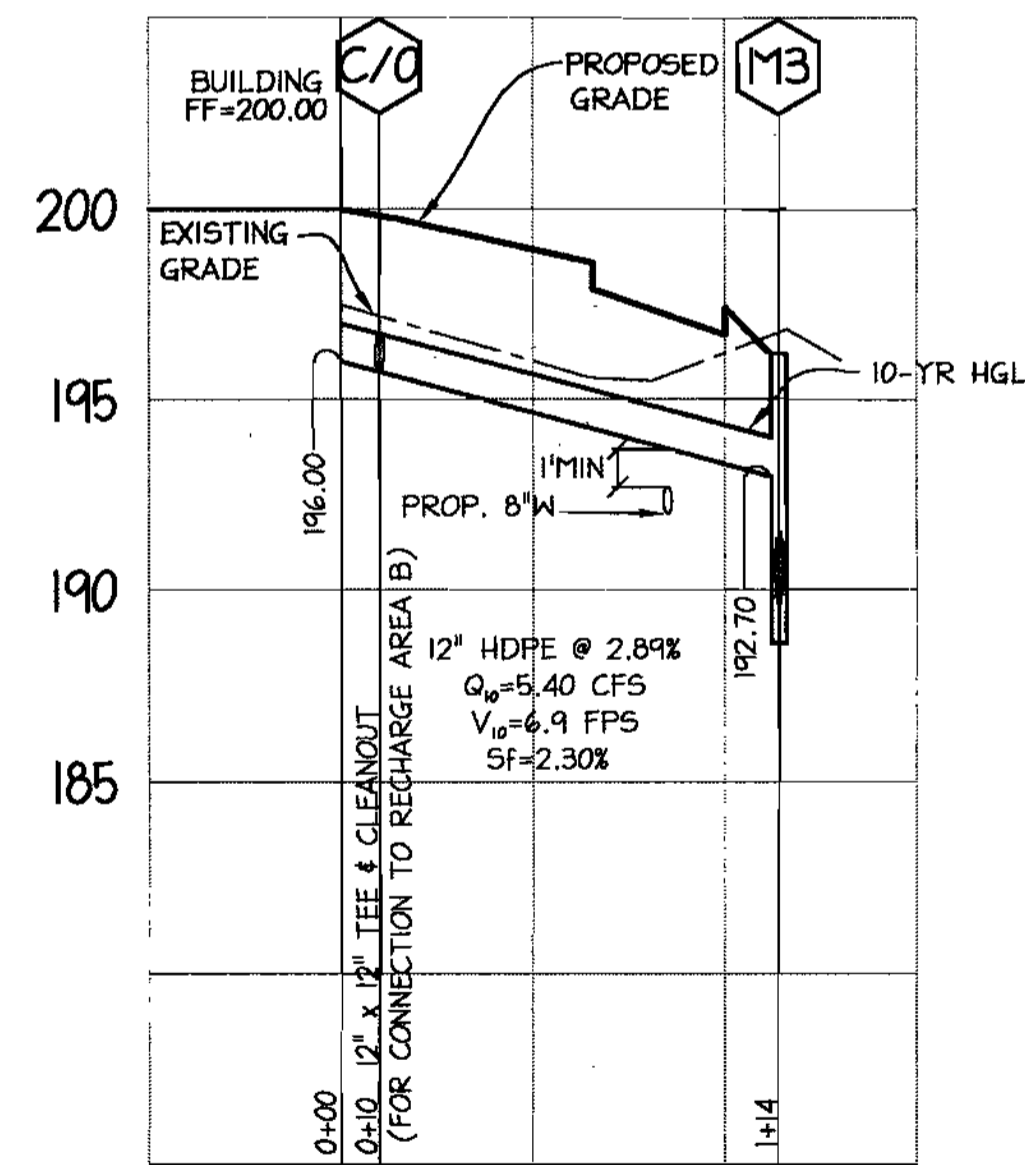
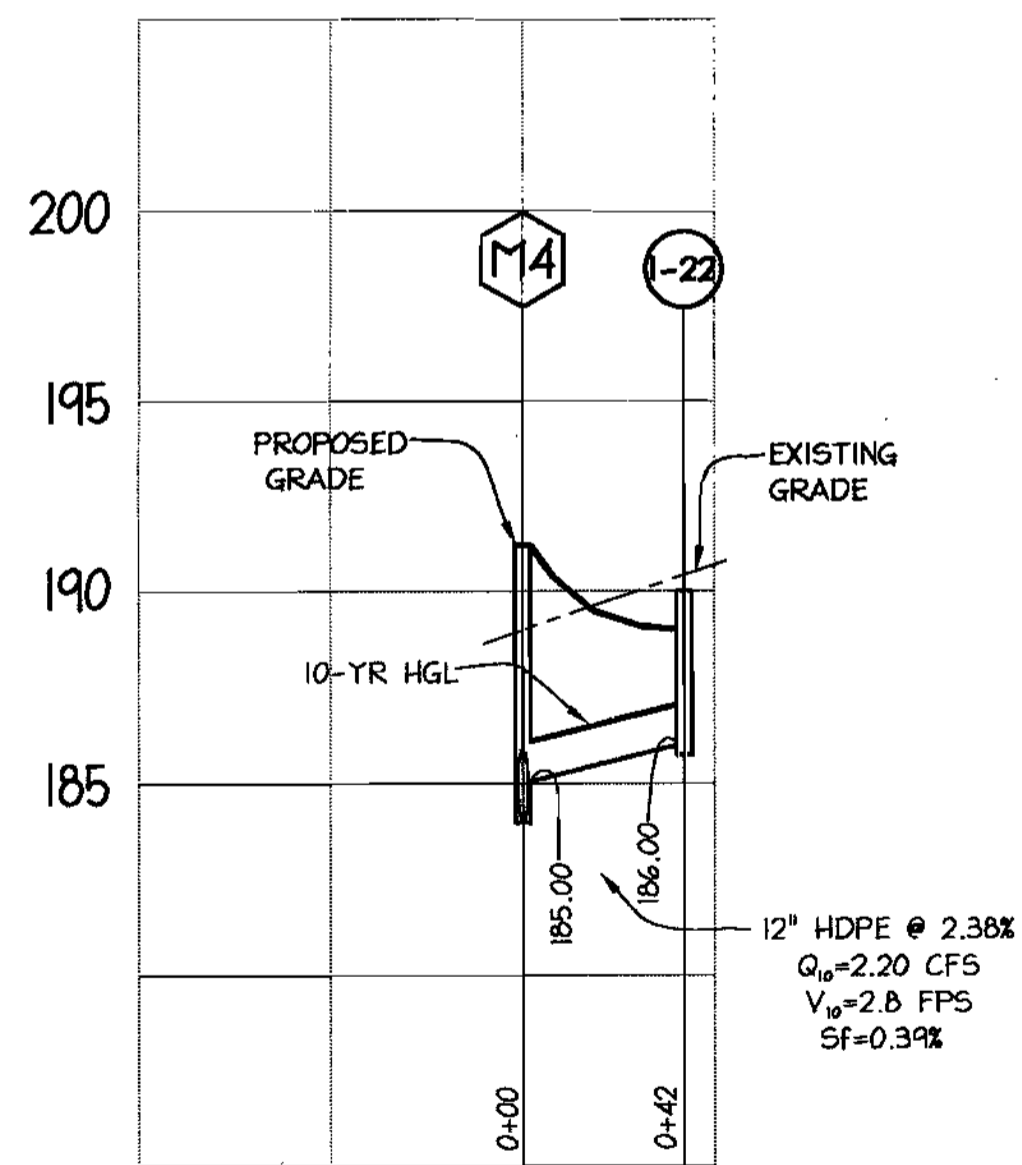


**SITE NOTES & DETAILS**

DESIGN: BAM	SCALE: AS SHOWN	PROJECT: 036701.01
DRAWN: ADL	DATE: 6/01/04	
CHECKED: JTH	APPROVED:	5 OF 12



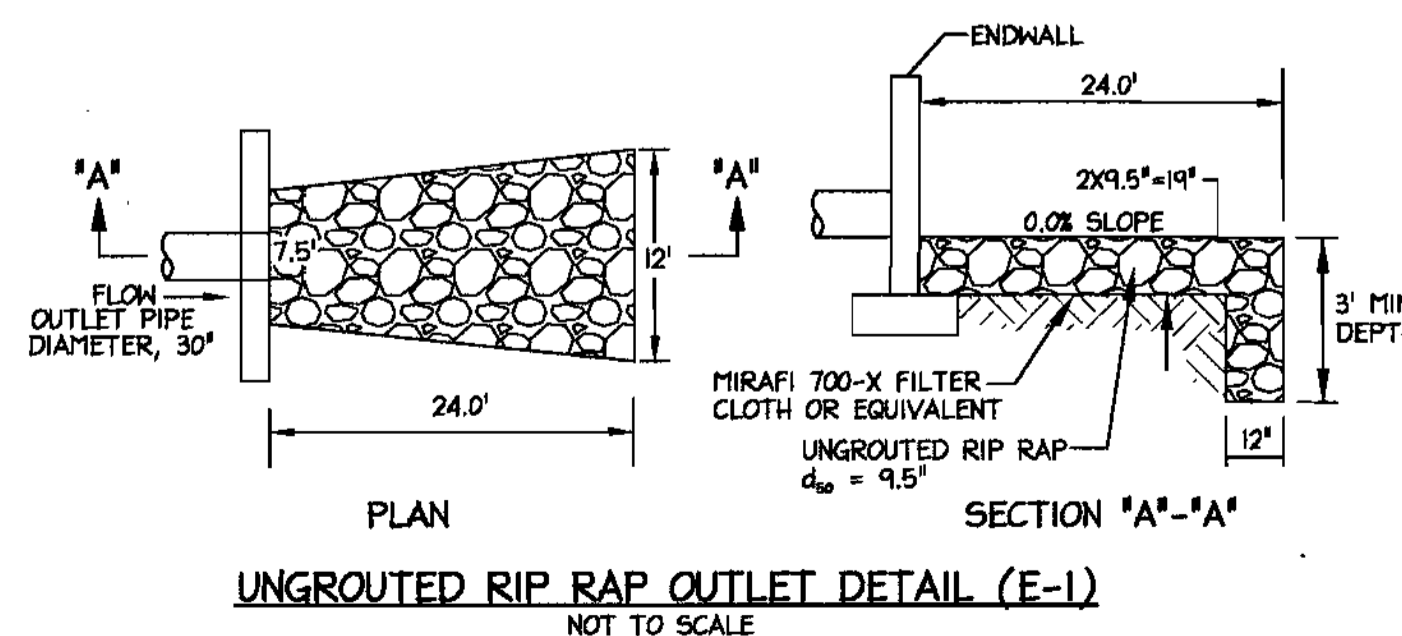
STORM DRAIN PROFILES  
HORIZ: 1"=50'  
VERT: 1"=5'



STORM DRAIN PROFILES  
HORIZ: 1"=50'  
VERT: 1"=5'

STR. NO.	TOP ELEV.	INV. IN	INV. OUT	TYPE	NDRTHING	EASTING
E - 1	181.00	176.50 (30')		STANDARD HOWARD CO. DETAIL SD-5.1	544,878.95	1,376,785.59
M - 2	187.95	182.70 (24')	178.90 (30')	STD. PRECAST MANHOLE HOWARD CO. STD. DETAIL G-5.12	544,814.46	1,376,730.23
M - 4	190.70	183.00 (24')	182.90 (24')	STD. PRECAST MANHOLE HOWARD CO. STD. DETAIL G-5.12	544,784.78	1,376,752.52
I - 23	194.40	186.93 (24')	185.80 (24')	TYPE "A-5" INLET HOWARD CO. DETAIL SD-4.01	544,702.37	1,376,816.90
I - 24	198.10	189.00 (18')	188.90 (24')	TYPE "A-10" INLET HOWARD CO. DETAIL SD-4.02	544,510.46	1,376,770.87
M - 1	198.50	189.85 (15')	189.70 (18')	STD. PRECAST MANHOLE HOWARD CO. STD. DETAIL G-5.12	544,440.79	1,376,754.17
I - 26	199.10	190.85 (12')	190.60 (15')	STD. PRECAST TYPE "A-5" INLET HOWARD CO. DETAIL SD-4.40	544,149.11	1,376,703.18
I - 27	197.00		192.40 (12')	STD. PRECAST TYPE "D" HOWARD CO. DETAIL SD-4.39 (THREE THROATS OPEN)	544,362.38	1,376,727.54
I - 22	190.00		186.00 (12')	STD. PRECAST TYPE "D" HOWARD CO. DETAIL SD-4.39	544,790.35	1,376,805.05
I - 28	190.60	183.50 (24')	183.40 (24')	STD. PRECAST TYPE "A-5" INLET HOWARD CO. DETAIL SD-4.40	544,795.84	1,376,669.87
I - 30	195.90	187.50 (24')	187.40 (24')	TYPE "A-5" INLET HOWARD CO. DETAIL SD-4.01	544,649.62	1,376,549.14
M - 3	196.75	190.20 (18')	189.60 (24')	STD. PRECAST MANHOLE HOWARD CO. STD. DETAIL G-5.12	544,580.14	1,376,463.15
I - 32	196.10		191.05 (18')	STD. PRECAST TYPE "A-5" INLET HOWARD CO. DETAIL SD-4.40	544,519.06	1,376,395.80

SIZE (IN)	TYPE	LENGTH (FT)
12	HDPE	257
15	HDPE	83
18	HDPE	165
24	HDPE	687
30	HDPE	84



APPROVED: DEPARTMENT OF PLANNING AND ZONING  
Chief, Division of Land Development  
Chief, Development Engineering Division  
Director

9/10/04  
9/10/04  
9/22/04

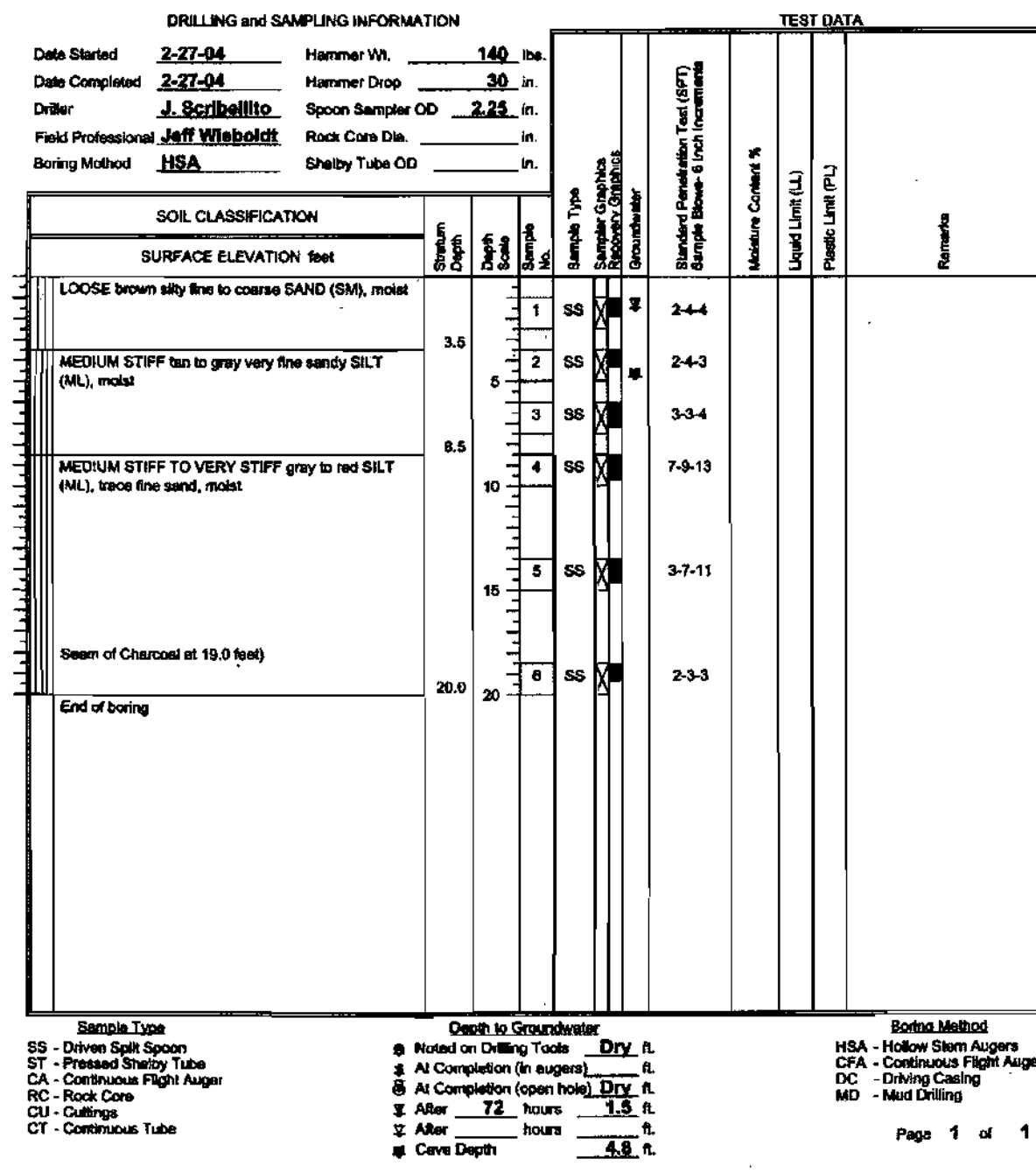
Revision Description  
**BUILDING "A"**  
AT DORSEY RUN INDUSTRIAL CENTER  
OWNER / DEVELOPER  
MONTEVEDO SOUTH BUSINESS TRUST  
C/O TRAMMELL CROW COMPANY  
7315 WISCONSIN AVENUE SUITE 300 W  
BETHESDA, MARYLAND 20814  
TEL. (301) 530-6200 FAX (301) 530-6131

christopher consultants  
engineering - surveying - land planning  
christopher consultants, Inc.  
7172 columbia gateway drive (suite 100) - columbia, md. 21046-2990  
410 872 8800 - metro 301 861 0148 - fax 410 872 8833

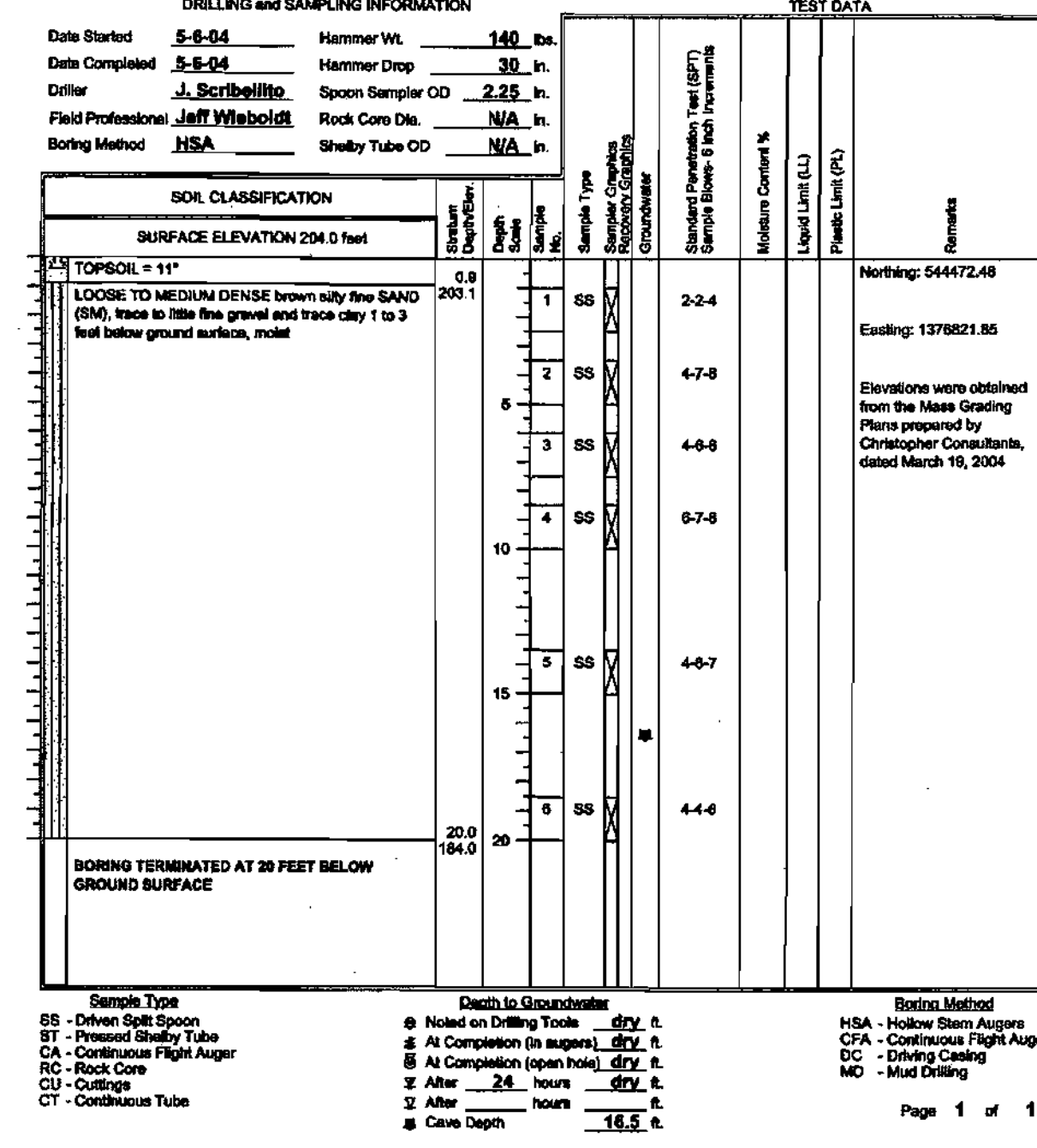
6/2/04  
STATE OF MARYLAND  
JOHN W. HOUSEHOLDER  
PROFESSIONAL ENGINEER  
No. 29907

TITLE:  
**STORM DRAIN PROFILES**  
DESIGN: BAM SCALE: AS SHOWN PROJECT: 036701.01  
DRAWN: ADL DATE: 6/01/04  
CHECKED: JMH APPROVED: 6 OF 12

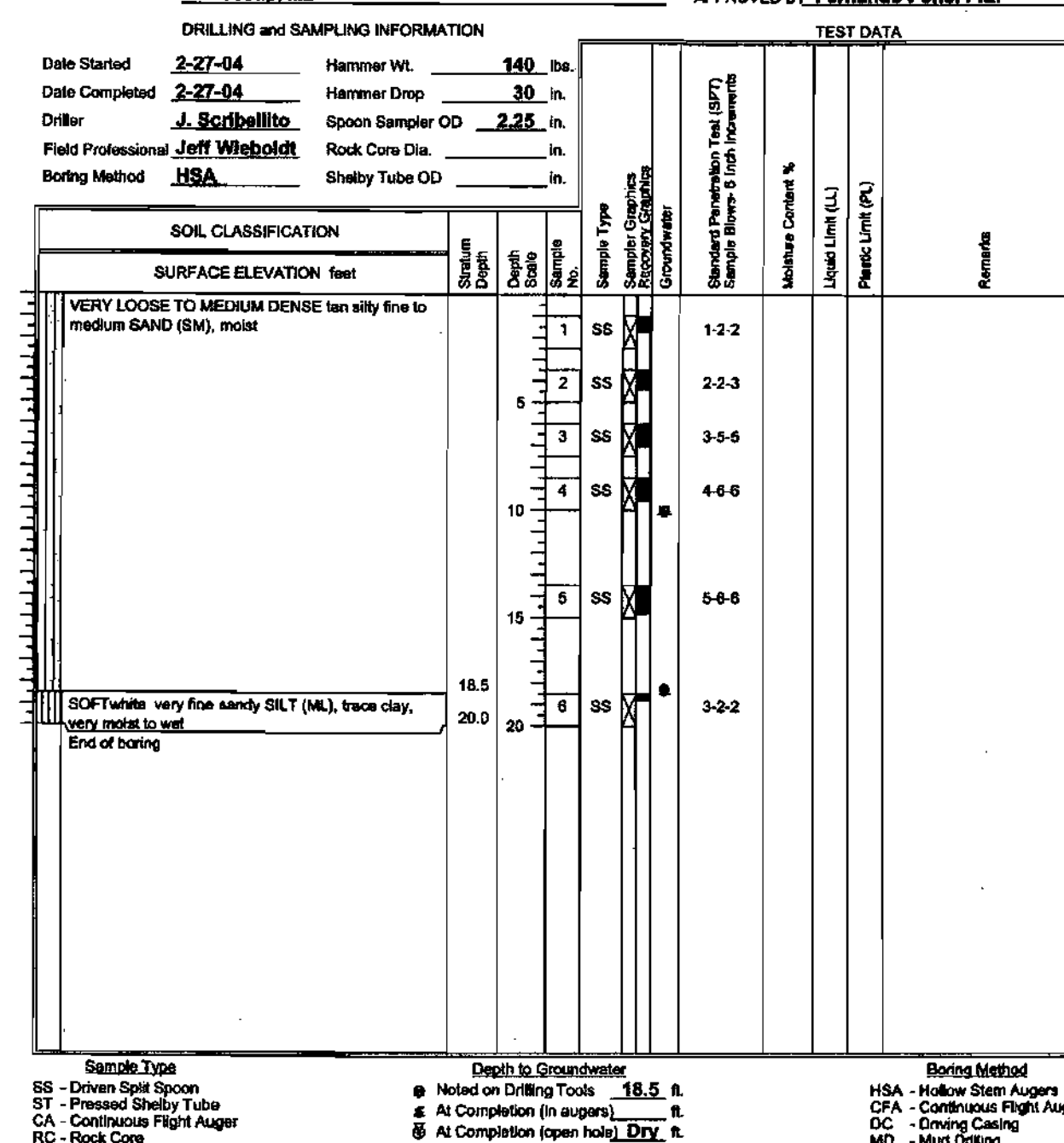
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PROJECT NAME: BAC Final Report JOB # 09.75277.0004  
PROJECT LOCATION: Montevideo Road DRAWN BY: Jeff Wisboldt  
Jessup, MD APPROVED BY: Fernando Pons, P.E.



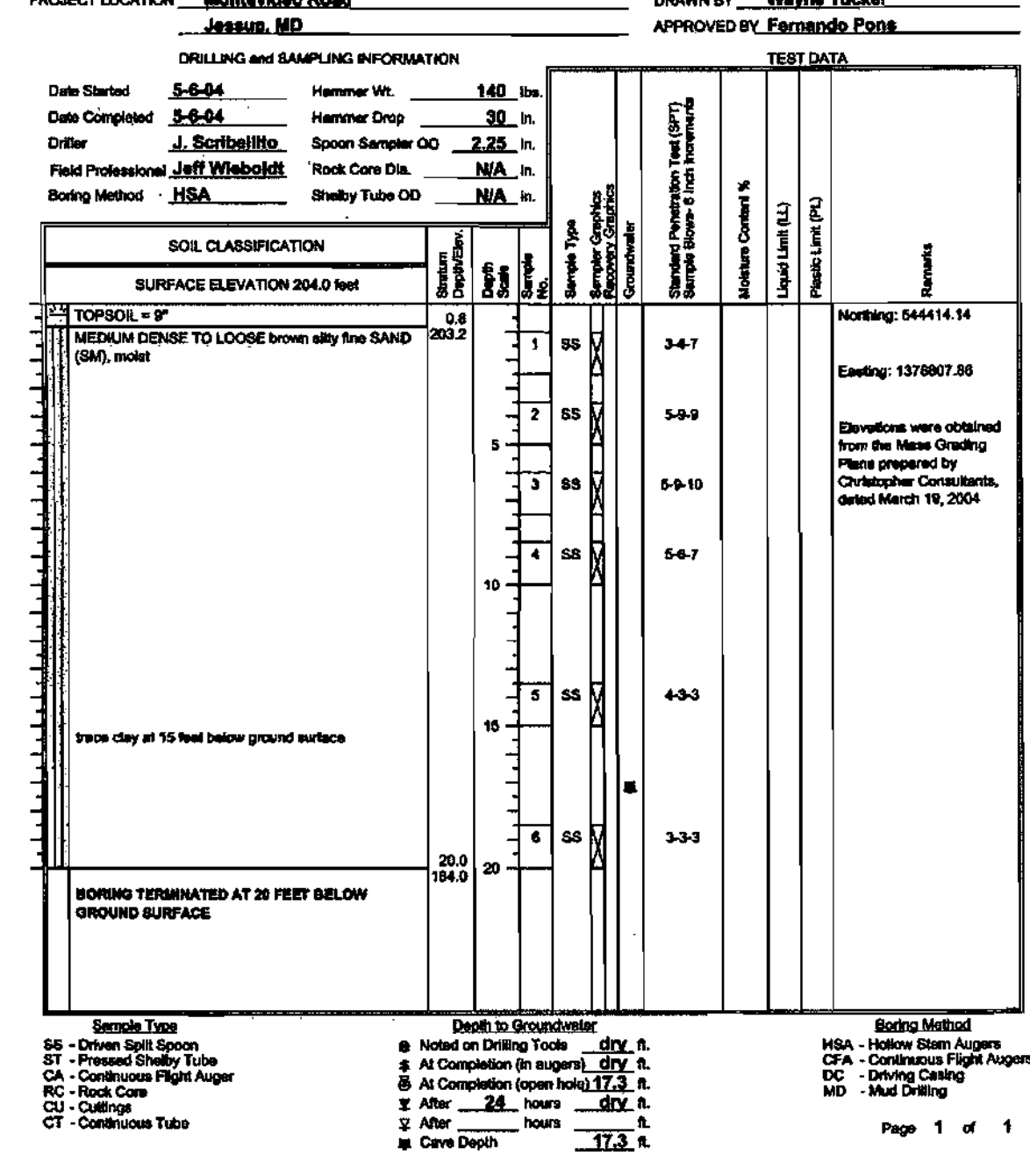
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PROJECT NAME: Baltimore Air Coil Facility JOB # 09.75277.0004  
PROJECT LOCATION: Montevideo Road DRAWN BY: Wayne Tucker  
Jessup, MD APPROVED BY: Fernando Pons



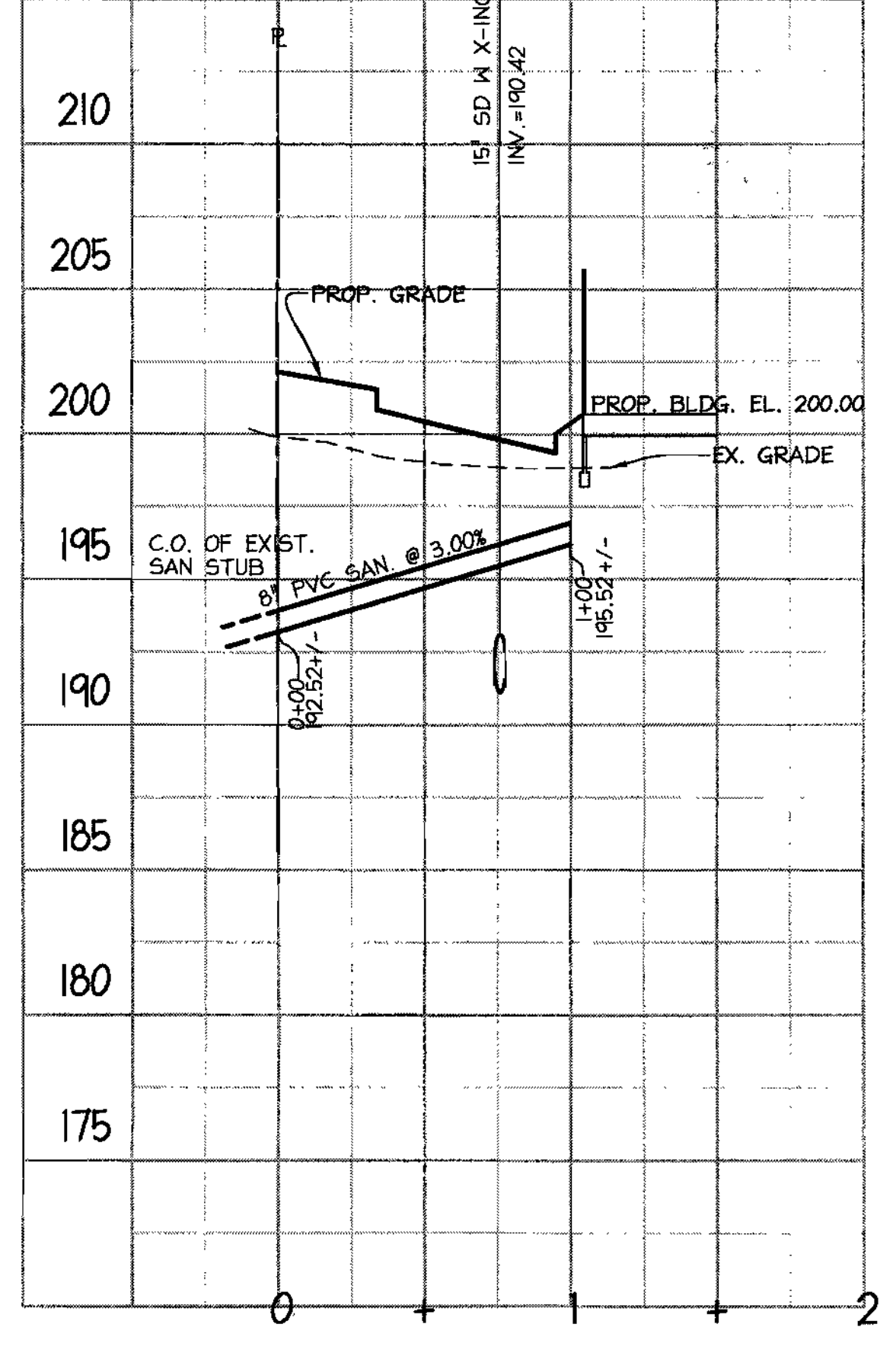
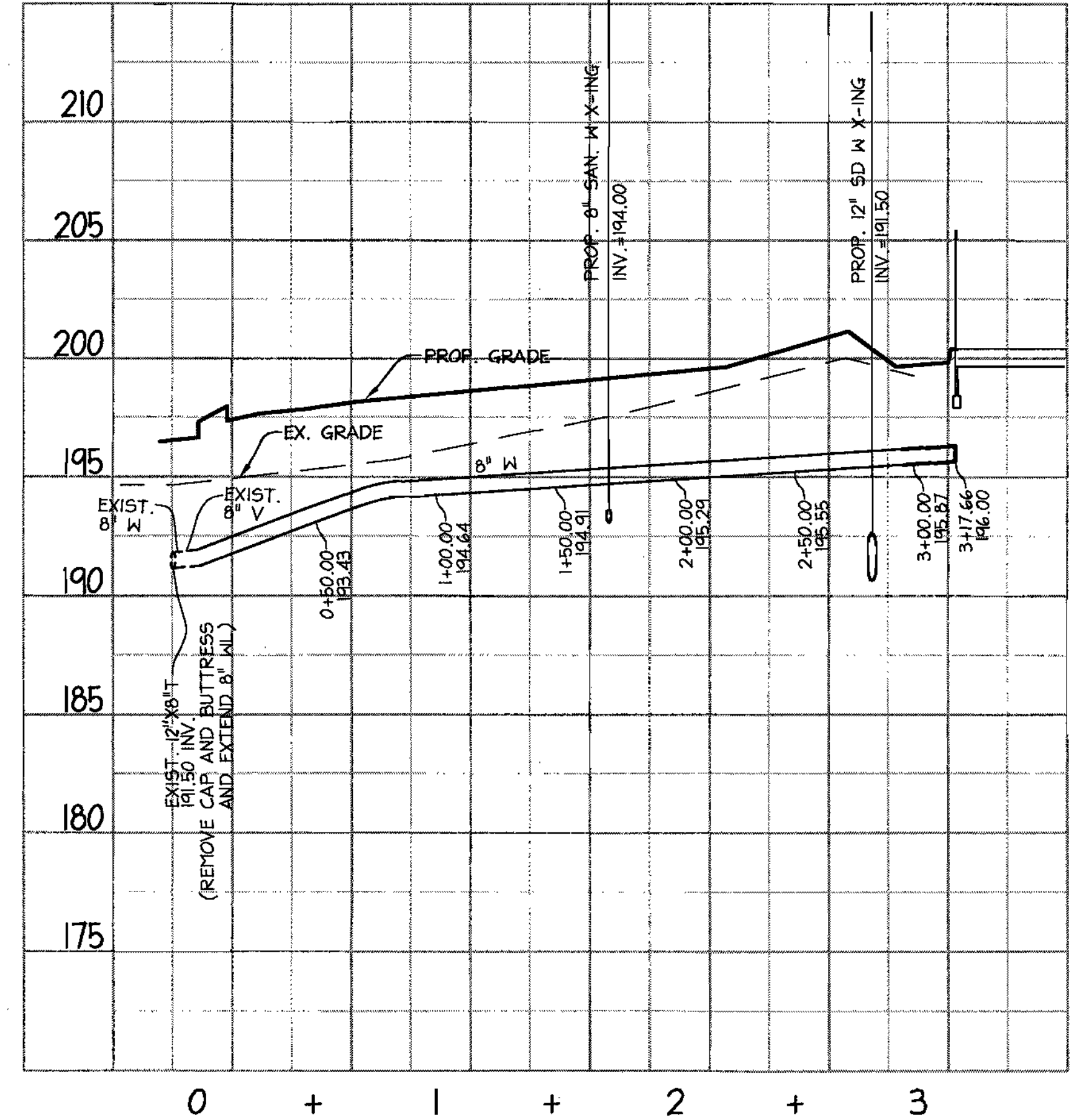
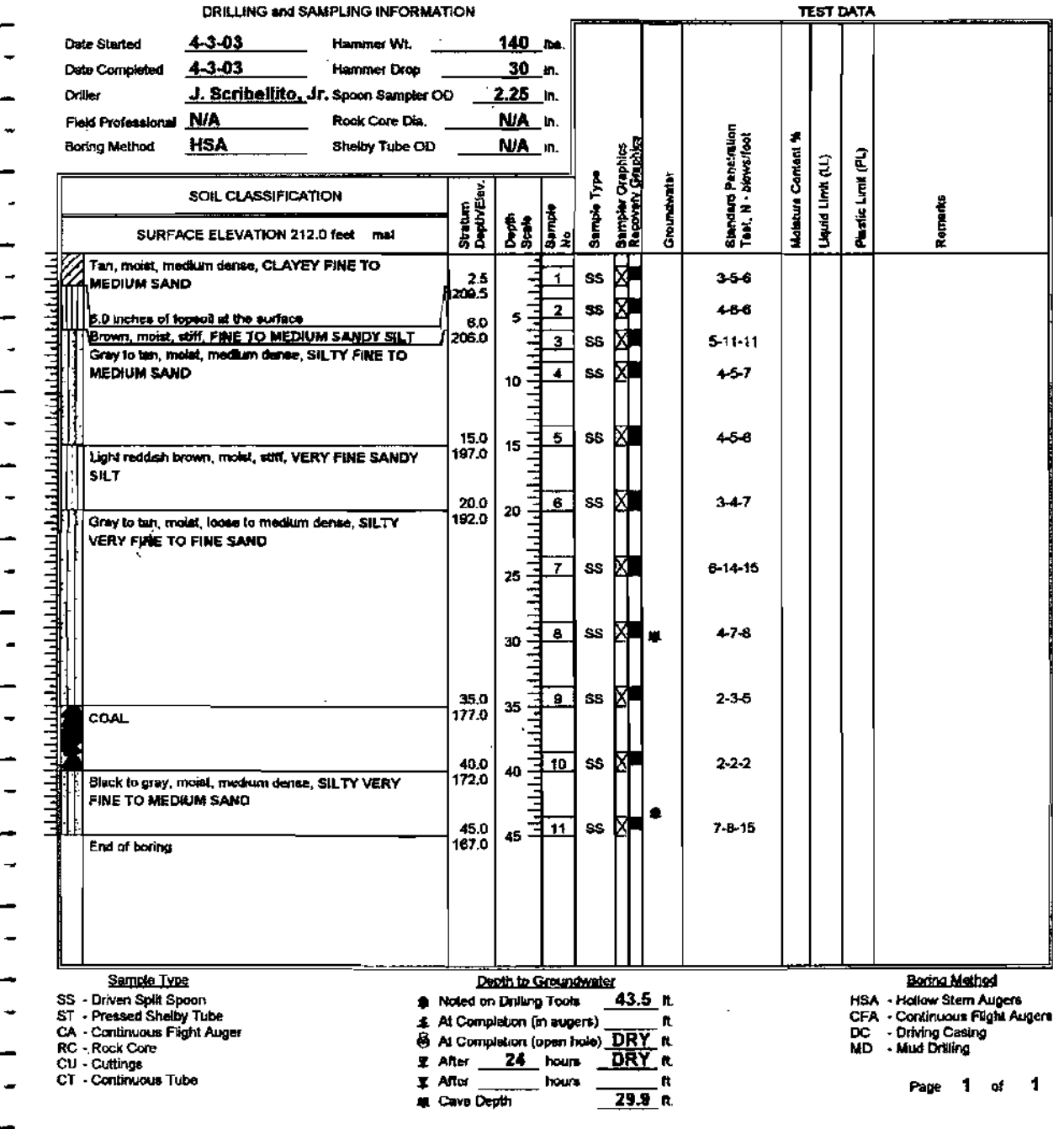
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PROJECT NAME: BAC Final Report JOB # 09.75277.0004  
PROJECT LOCATION: Montevideo Road DRAWN BY: Jeff Wisboldt  
Jessup, MD APPROVED BY: Fernando Pons, P.E.



CLIENT: Trammell Crow Company BORING # I-2  
PROJECT NAME: Baltimore Air Coil Facility JOB # 09.75277.0004  
PROJECT LOCATION: Montevideo Road DRAWN BY: Wayne Tucker  
Jessup, MD APPROVED BY: Fernando Pons



CLIENT: Trammell Crow Company BORING # B-705  
PROJECT NAME: Baltimore Air Coil Facility JOB # 09.75277.0004  
PROJECT LOCATION: Montevideo Road DRAWN BY: Phillip Quansah  
Jessup, MD APPROVED BY: Fernando Pons



APPROVED: DEPARTMENT OF PLANNING AND ZONING

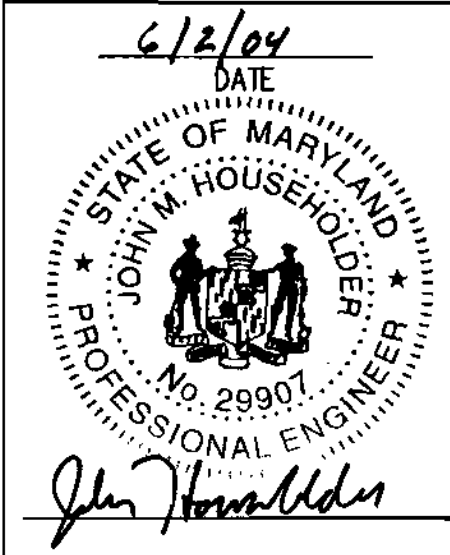
*John Tucker* 9/19/09  
Chief, Division of Land Development Date

*Phillip Quansah* 9/19/09  
Chief, Development Engineering Division (M8) Date

*Franklin L. Wright* 9/22/09  
Director Date

**BUILDING "A"**  
AT DORSEY RUN INDUSTRIAL CENTER

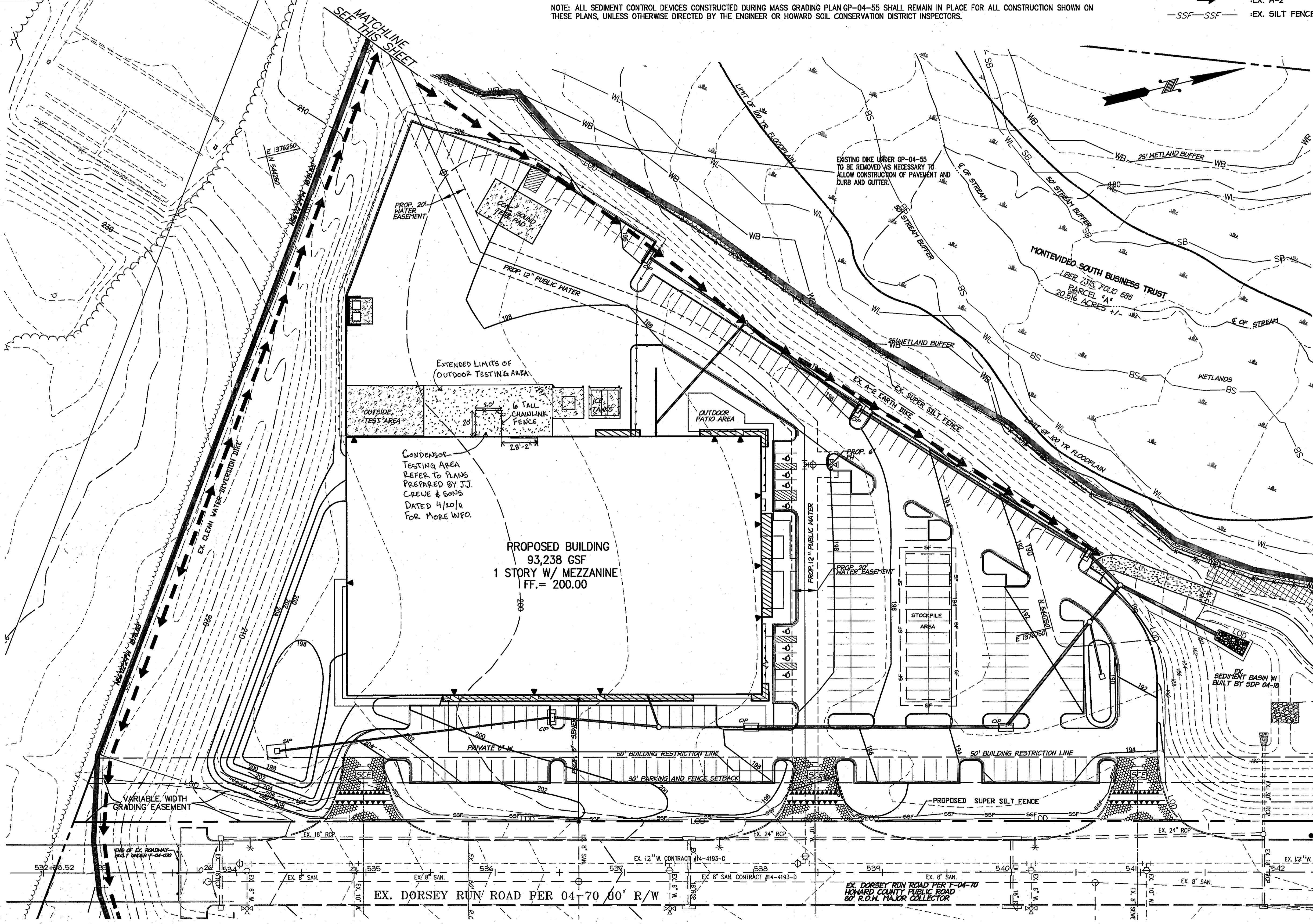
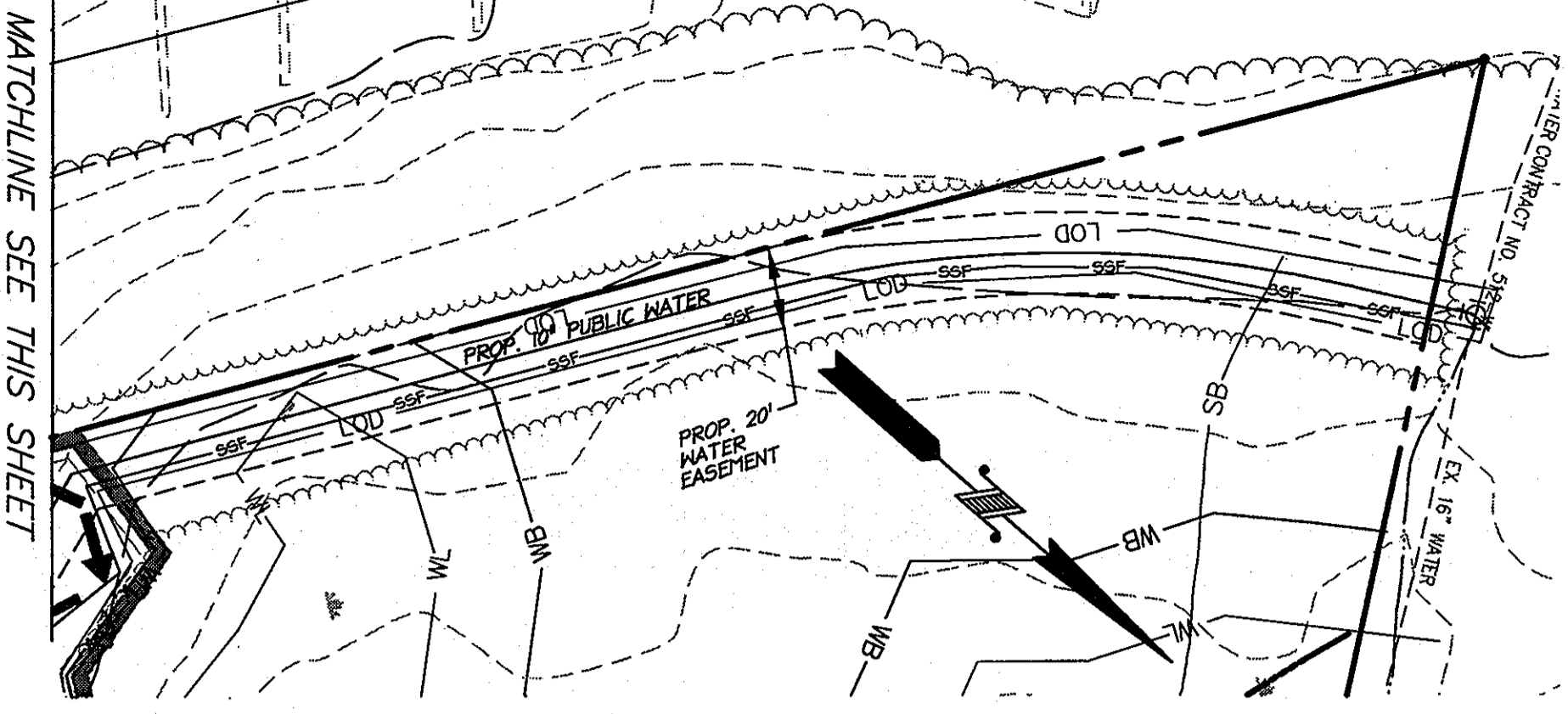
OWNER / DEVELOPER  
MONTEVIDEO SOUTH BUSINESS TRUST  
C/O TRAMMELL CROW COMPANY  
7315 WISCONSIN AVENUE SUITE 300 W  
BETHESDA, MARYLAND 20814  
TEL. (301) 530-6200 FAX (301) 530-6131



TITLE: BORING LOGS & WATER PROFILES

DESIGN: BAP SCALE: AS SHOWN PROJECT: 036701.01  
DRAWN: JMH DATE: 6/01/04  
CHECKED: JMH APPROVED: 7 of 12

MATCHLINE SEE THIS SHEET



NOTE: ALL SEDIMENT CONTROL DEVICES CONSTRUCTED DURING MASS GRADING PLAN GP-04-55 SHALL REMAIN IN PLACE FOR ALL CONSTRUCTION SHOWN ON THESE PLANS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER OR HOWARD SOIL CONSERVATION DISTRICT INSPECTORS.

**DEVELOPER'S CERTIFICATE**  
 I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District.  
*James D'Agostino*  
 Signature of Developer  
**JAMES D'AGOSTINO**  
 Print name below signature  
 Date: 6/2/04

**ENGINEER'S CERTIFICATE**  
 I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.  
*John Household*  
 Signature of Engineer  
**JOHN HOUSEHOLDER**  
 Print name below signature  
 Date: 6/2/04

REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.  
*Jim Meyer*  
 Signature  
 Date: 9-7-04  
 USD Natural Resources, Conservation Services  
*John Household*  
 Signature  
 Date: 9-7-04  
 Howard SCD

**LEGEND**

- EXISTING CONTOUR
- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- EXISTING WOODS LINE
- EXISTING STORM SEWER
- PROPOSED STORM SEWER
- EXISTING SANITARY SEWER
- PROPOSED SANITARY SEWER
- EXISTING WATER LINE
- PROPOSED WATER LINE
- EXISTING CURB AND GUTTER
- REVERSE CURB
- WETLAND BUFFER
- STREAM BUFFER
- WATER VALVE
- FH
- STORM DRAIN INLET
- EX. A-2
- EX. SILT FENCE
- EX. LIMITS OF DISTURBANCE DISTURBANCE (SDP-04-18)
- LIMITS OF DISTURBANCE
- SUPER SILT FENCE
- CURB INLET PROTECTION
- STANDARD INLET PROTECTION
- STABILIZED CONSTRUCTION ENTRANCE

- SEQUENCE OF CONSTRUCTION**
- OBTAIN THE GRADING PERMIT FROM HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS DIVISION. (1 DAY)
  - ARRANGE AN ON-SITE PRE-CONSTRUCTION MEETING WITH COUNTY INSPECTORS, THE CONTRACTOR, AND ENGINEER PRIOR TO THE START OF CONSTRUCTION OF THIS PLAN. (1 DAY)
  - CONTRACT A PRIVATE UTILITY LOCATING COMPANY TO ADEQUATELY MARK ALL EXISTING UTILITIES. (2 DAYS)
  - INSTALL THE STABILIZED CONSTRUCTION ENTRANCES PER THE PLAN. (1 DAY)
  - VERIFY ALL EXISTING CONTROL DEVICES FROM MASS GRADING PLAN SDP-04-18 ARE STILL IN PLACE. PERIMETER CONTROLS MAY NEED TO BE RELOCATED AND/OR RE-ESTABLISHED AS SHOWN ON THIS PLAN. OBTAIN INSPECTOR'S APPROVAL PRIOR TO GRADING. (2 DAYS)
  - ONCE INSPECTOR'S APPROVAL IS OBTAINED, BEGIN ON-SITE GRADING. MAINTAIN POSITIVE DRAINAGE TO EXISTING SEDIMENT BASIN AT ALL TIMES. (28 DAYS)
  - START BUILDING CONSTRUCTION AND UTILITY INSTALLATION, INCLUDING STORMWATER RECHARGE FACILITIES (25 WEEKS).
  - IMMEDIATELY UPON COMPLETION OF GRADING, PROVIDE STABILIZATION PER THE SEEDING TABLES PROVIDED ON THE PLANS. (7 DAYS)
  - ONCE ALL GRADING, PAVEMENT, CURB AND GUTTER ARE COMPLETED AND THE SITE IS STABILIZED, OBTAIN INSPECTOR'S APPROVAL PRIOR TO REMOVAL OF ANY SEDIMENT CONTROL DEVICES AND THE CONVERSION OF THE ON-SITE SEDIMENT BASIN TO A PERMANENT STORMWATER MANAGEMENT FACILITY AS SHOWN AND APPROVED UNDER SDP-04-18. (2 WEEKS)
  - REMOVE ALL REMAINING SEDIMENT CONTROL DEVICES. (5 DAYS)
  - STABILIZE ANY REMAINING DISTURBED AREAS ON-SITE. (4 DAYS)
  - ONCE ALL SEDIMENT CONTROL DEVICES ARE REMOVED, AND THE SITE IS STABILIZED, OBTAIN FINAL APPROVAL FROM INSPECTOR. (2 DAYS)

NOTE: CONSTRUCTION OF THIS PLAN MAY NOT BEGIN UNTIL ALL CONTROLS REVIEWED AND APPROVED UNDER SDP 04-18 ARE INSTALLED AND FUNCTIONING.

2/6/2011  
 STATE OF MARYLAND  
 PROFESSIONAL ENGINEER  
 JOHN W. HOUSEHOLDER  
 No. 29907  
 For revision 1

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*Catherine*  
 Chief, Division of Land Development  
 Date: 9/10/04  
*David*  
 Chief, Development Engineering Division  
 Date: 9/10/04  
*Mark*  
 Director  
 Date: 9/24/04

6/1/11 1 Revised To Add Outdoor Condenser Testing Area  
 AT DORSEY RUN INDUSTRIAL CENTER, PARCEL A  
 T.M. 43, T.M. GRID 10, 910 T.M. PARCEL 674, FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MD  
**OWNER / DEVELOPER**  
 MONTEVIDEO SOUTH BUSINESS TRUST  
 C/O TRAMMELL CROW COMPANY  
 7315 WISCONSIN AVENUE SUITE 300 W  
 BETHESDA, MARYLAND 20814  
 TEL. (301) 530-6200 FAX (301) 530-6131

**christopher consultants**  
 engineering · surveying · land planning  
 christopher consultants, ltd.  
 7172 columbia gateway drive (suite 100) · columbia, md. 21046-2990  
 410.872.8890 · metro 301.881.0148 · fax 410.872.8893

6/2/04  
 DATE  
 STATE OF MARYLAND  
 PROFESSIONAL ENGINEER  
 JOHN W. HOUSEHOLDER  
 No. 29907  
 PROFESSIONAL ENGINEER  
*John Household*

TITLE: **EROSION & SEDIMENT CONTROL PLAN**  
 DESIGN: BAM SCALE: 1"=40'  
 DRAWN: ADL DATE: 6/01/04 PROJECT: 036701.01  
 CHECKED: JMH APPROVED: **8 of 12**



**19.0 Standards and Specifications For Land Grading**

**Definitions**

Reshaping of the existing land surface in accordance with a plan as determined by engineering survey and layout.

**Purpose**

The purpose of a land grading specification is to provide for erosion control and vegetative establishment on those areas where the existing land surface is to be reshaped by grading according to plan.

**Design Criteria**

The grading plan should be based upon the incorporation of building designs and street layouts that fit and utilize existing topography and desirable natural surrounding to avoid extreme grade modifications. Information submitted must provide sufficient topographic surveys and soil investigations to determine limitations that must be imposed on the grading operation related to water stability, effect on adjacent properties and drainage patterns, measured for drainage and slope removal and vegetative treatment, etc.

Many countries have regulations and design procedures already established for land grading and cut and fill slopes. Where these requirements exist, they should be followed. The plan must show existing and proposed contours of the area(s) to be graded. The plan shall also include practices for erosion control, slope stabilization, safe disposal of runoff water and drainage, such as waterways, lined ditches, reverse slope benches (including grade and cross-section), grade stabilization structures, retaining walls, and surface and subsurface drains. The plan shall also include phasing of these practices. The following shall be incorporated into the plan:

1. Provisions shall be made to insure that surface runoff to storm drains, protected outlets or to stable water courses to satisfy that surface runoff will not damage slopes or other graded areas.

2. Cut and fill slopes that are to be stabilized with grasses shall not be steeper than 2:1. (Where the slope id to be mowed the slope should be no steeper than 3:1; 4:1 is preferred because of safety factors related to mowing steep slopes.

3. Reverse benches shall be provided whenever the vertical interval (height) of any 2:1 slopes exceeds 20 feet; for 3:1 slopes it shall be increased to 30 feet and for 4:1 to 40 feet. Benches shall be located to divide the slopes face as equally as possible and shall convey the water to a stable outlet. Soils, seeps, rock outcrops, etc., shall also be taken into consideration when designing benches.

a. Benches shall be a minimum of six-feet wide to provide ease of maintenance.

b. Benches shall be designed with a reverse slope of 6:1 flatter to the toe of the upper slope and with a minimum of one foot in depth. Bench gradient to the outlet shall be between 2 percent and 3 percent, unless accompanied by appropriate design and computations.

c. The flow length within a bench shall not exceed 800' unless accompanied by appropriate design and computations. For flow channel stabilization see temporary swales.

4. Surface water shall be diverted from the face of all cut and/or fill slopes by the use of earth dikes, ditches and swales or conveyed downslope by the use of a designated structure, except where:

a. The face of the slope is or shall be stabilized and the face of all graded slopes shall be protected for surface runoff until they are stabilized.

b. The face of the slope shall not be subjected to any concentrated flows of surface water such as from natural drainways, graded swales, downspouts, etc.

c. The face of the slope will be protected by special erosion control materials, to include, but not limited to: approved vegetative stabilization practices (see section C), rip-rap or other approved stabilization methods.

5. Cut slopes occurring in ripable rock shall be serrated as shown on the following diagram. These serrations shall be made with conventional equipment as the excavation is made. Each step or serration shall be constructed on the contour and will have steps out as nominal two-foot intervals with nominal three-foot horizontal shelves. These steps will vary depending on the slope ratio or the cut slope. The nominal slope line is 1:1. These steps will weather and set to hold moisture, lime, fertilizer and seed thus producing a much quicker and longer lived vegetative cover and better slope stabilization. Over land flow shall be diverted from the top of all serrated cut slopes and carried to a suitable outlet.

6. Surface drainage shall be provided where necessary to intercept seepage that would otherwise adversely affect slope stability or create excessively wet site conditions.

7. Slopes shall not be created to close to property lines as the endanger adjoining properties without adequately protecting such properties against sediment, erosion, slippage, settlement, subsidence or other related damages.

8. Fill material shall be free of brush, rubbish, rocks, logs, stumps, building debris, and other objectionable material. It should be free of stones over two (2) inches in diameter where compacted by hand or mechanical tampers over eight (8) inches in diameter where compacted by rollers or other equipment. Frozen material shall not be placed in the fill nor shall the fill material be placed on a frozen foundation.

9. Stockpiles, borrow areas and spoil shall be shown on the plans and shall be subjected to the provisions of the Standard and Specifications.

All disturbed areas shall be stabilized structurally or vegetatively in compliance with 20.0 Standards and Specifications for Vegetative Stabilization.

**21.0 Standard and Specifications For Topsoil**

**Definitions**

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

**Purpose**

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

**Conditions Where Practice Applies**

This practice is limited to areas having 2:1 or flatter slopes where:

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 materials toxic to plant growth

d. The soil is so acidic that treatment with limestone is not feasible.

For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

**Construction and Material Specifications**

Topsoil salvaged from the existing site may be 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 Experimental Station.

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 approval authority. Regardless, topsoil shall be a mixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1 1/2" in diameter.

ii. Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnsongrass, nutgrass, poison ivy, thistle, or other as specified.

iii. Where the subsoil is either highly acidic or composed of heavy clays, ground limestone shall be applied to the rate of 4-8 tons/acre (200-400 pounds per 1,000square feet) prior to the placement of topsoil. Lime shall be distributed uniformly over designated areas and worked in to the soil in conjunction with tillage operations as described in the following procedures.

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 Materials.

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 tested soil demonstrates a pH of less the 6.0, sufficient lime shall be prescribed to raise 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 soil 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 day min.) to permit dissipation of phytotoxic materials.

Note: Topsoil substitutes or amendments as recommended by a qualified agronomist or soil scientist approved by the appropriate approval authority, may be used in lieu of natural topsoil.

Place topsoil (if required) and apply soil amendments as specified on 20.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

**Topsoil Application**

When topsoiling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fences and Sediment Traps and Basins.

Grades in the areas to be topsoiled, which have been previously established, shall be maintained, albeit 4" - 8" higher in elevation.

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.

Topsoil shall not be place while the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet 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 below:

Composted Sludge Materials for use as a soil conditioner for sites having disturbed 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 originated 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.

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.

**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 wher in and off-site damage is likely without treatment.

**Specifications**

**Temporary Methods**

1. Mulches - See standards for vegetative stabilization with mulches only. Mulch should be crimped or tacked to prevent blowing.

2. Vegetative Cover - See standards for temporary vegetative cover.

3. Tilage - To roughen surface and bring clods 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-toothed harrows, and similar plows are examples of equipment which may produce the desired effect.

4. 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.

5. Barriers - Solid board fences, silt fences, snow fences, burlap fences, straw bales, and similar materials 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.

6. Calcium Chloride - Apply at rates that will keep surface moist. May need retreatment.

**Permanent Methods**

1. Permanent Vegetation - See standards for permanent vegetative cover, and permanent stabilization with sod. Existing trees or large shrubs may afford valuable protection if left in place. ]

2. Topsoil - Covering with less erosive materials. See Standards for topsoiling.

3. Stone - Cover surface with crushed stone or coarse gravel.

**References**

1. Agriculture Handbook 346. Wind Erosion Forces in the United State and Their Use in Predicting Soil Loss.
2. Agriculture Information Bulletin 354. How to Control Wind Erosion, USDA - ARS.

**PERMANENT SEEDING NOTES**

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

Seedbed Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

1. Preferred--Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 600 lbs/acre 10-10-10 fertilizer (14 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.
- At time of seeding apply 400 lbs/acre 30-0-0 urea form fertilizer (9 lbs/1000 sq. ft.)
2. Acceptable--Apply 2 tons/acre dolomitic limestone (92 lbs/1000 sq. ft.) and 1000 lbs/acre 10-10-10 fertilizer (23 lbs/1000 sq. ft.) before seeding. Harrow or disk into upper three inches of soil.

Seeding --- For the periods March 1 --- April 30, and August 1 --- October 15, seed with 60 lbs/acre (14 lbs/1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 --- July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs/acre (.05 lbs/1000 sq. ft.) of weeping lovegrass. During the period of October 16 --- February 28, protect site by:

1. Option 1 - Two tons per acre of well anchored straw mulch and seed as soon as possible in the spring.
- Option 2 - Use sod. Option 3 --- Sear: with 60 lbs/acre Kentucky 30 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching --- Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sq. ft.) of unrotted 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 slope 8 feet or higher, use 348 gallons per acre (8 gal/1000 sq. ft.) for anchoring.

Maintenance --- Inspect all seeding areas and make needed repairs, replacements and reseeding.

**TEMPORARY SEEDING NOTES.**

Apply to graded or cleared areas likely to be re-disturbed where a short-term vegetative cover is needed.

Seedbed preparation: --- Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

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

Seeding: --- For periods March 1 --- April 30 and from August 15 --- October 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sq. ft.). For the period May 1 --- August 14, seed with 3 lbs/acre of weeping lovegrass (.07 lbs/1000 sq. ft.). For the period November 16 --- February 28 protect the site by applying 2 tons/acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

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

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL for additional rates and methods not covered.

**DEVELOPER'S CERTIFICATE**

"I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of the Environment approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District."

*James D. Argostino* 6/2/04 Date  
Signature of Developer

*James D. Argostino*  
Print name below signature

**ENGINEER'S CERTIFICATE**

I certify that this plan for erosion and sediment control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District."

*John Householder* 6/2/04 Date  
Signature of Engineer

*John Householder*  
Print name below signature

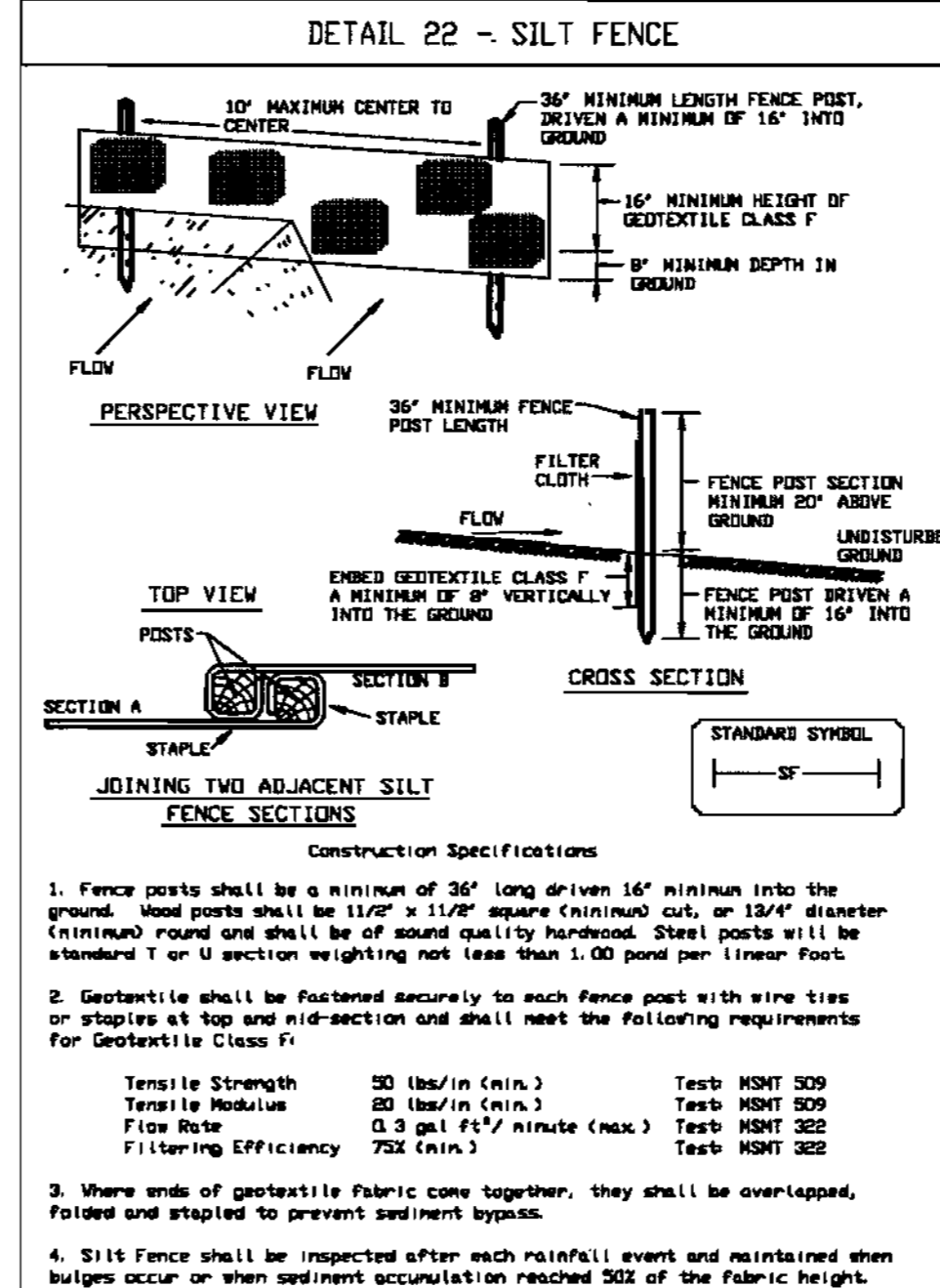
**REVIEWED FOR HOWARD SCD AND MEETS TECHNICAL REQUIREMENTS.**

USDA Natural Resources Conservation Service

*Jim Meyer* 9-7-04 Date  
Signature of Reviewer

*John Householder* 9-7-04 Date  
Signature of Reviewer

Howard SCD

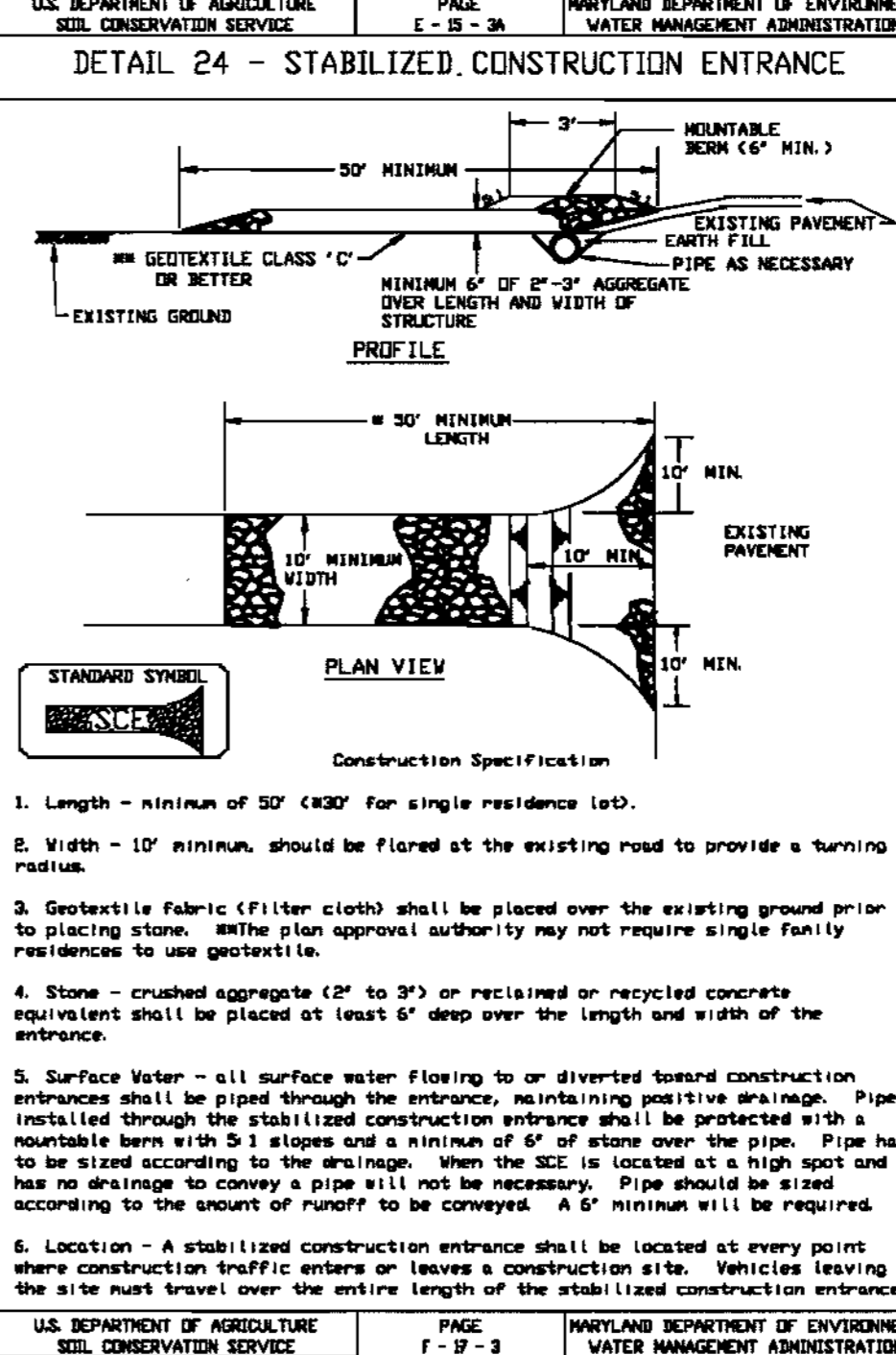
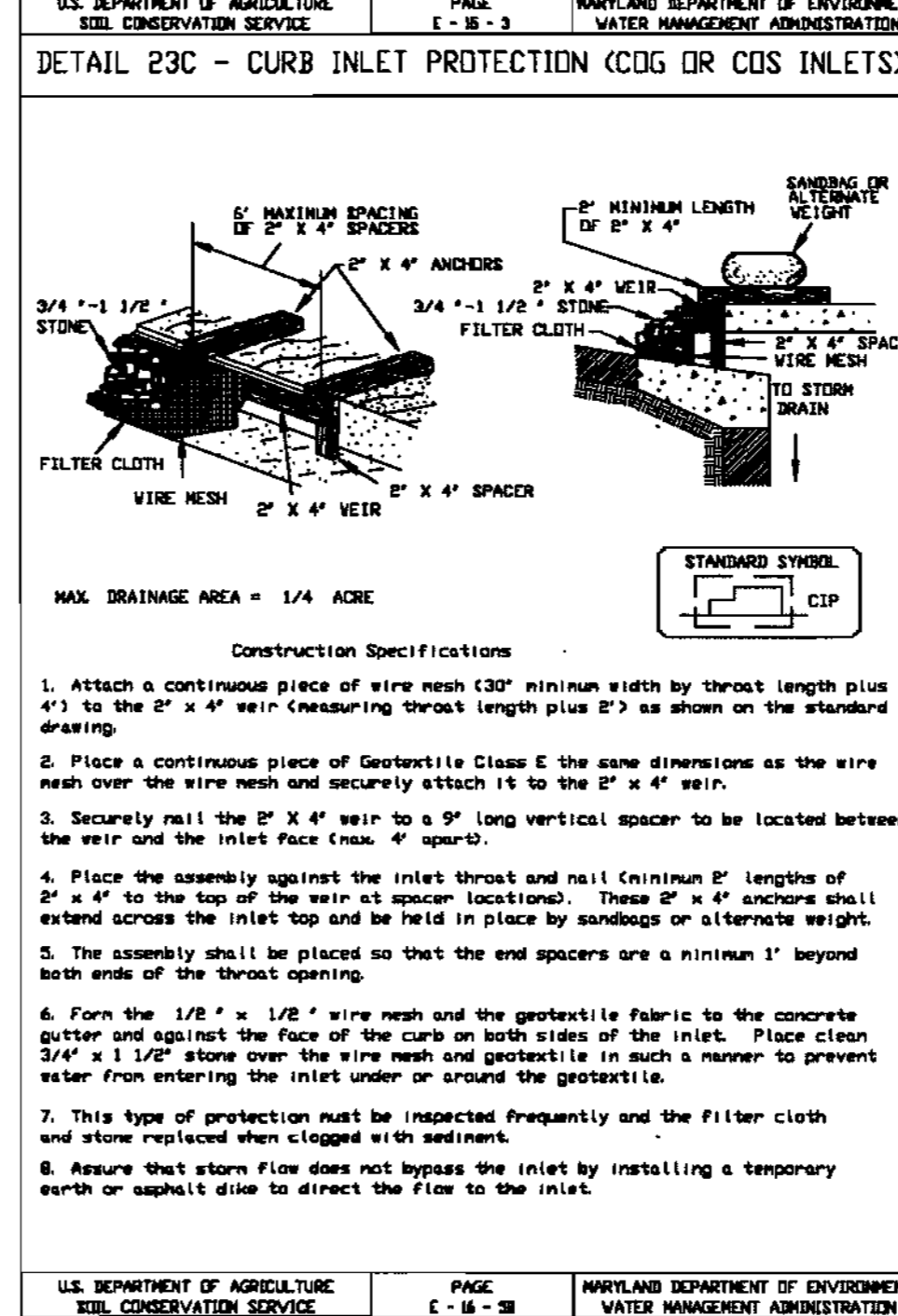
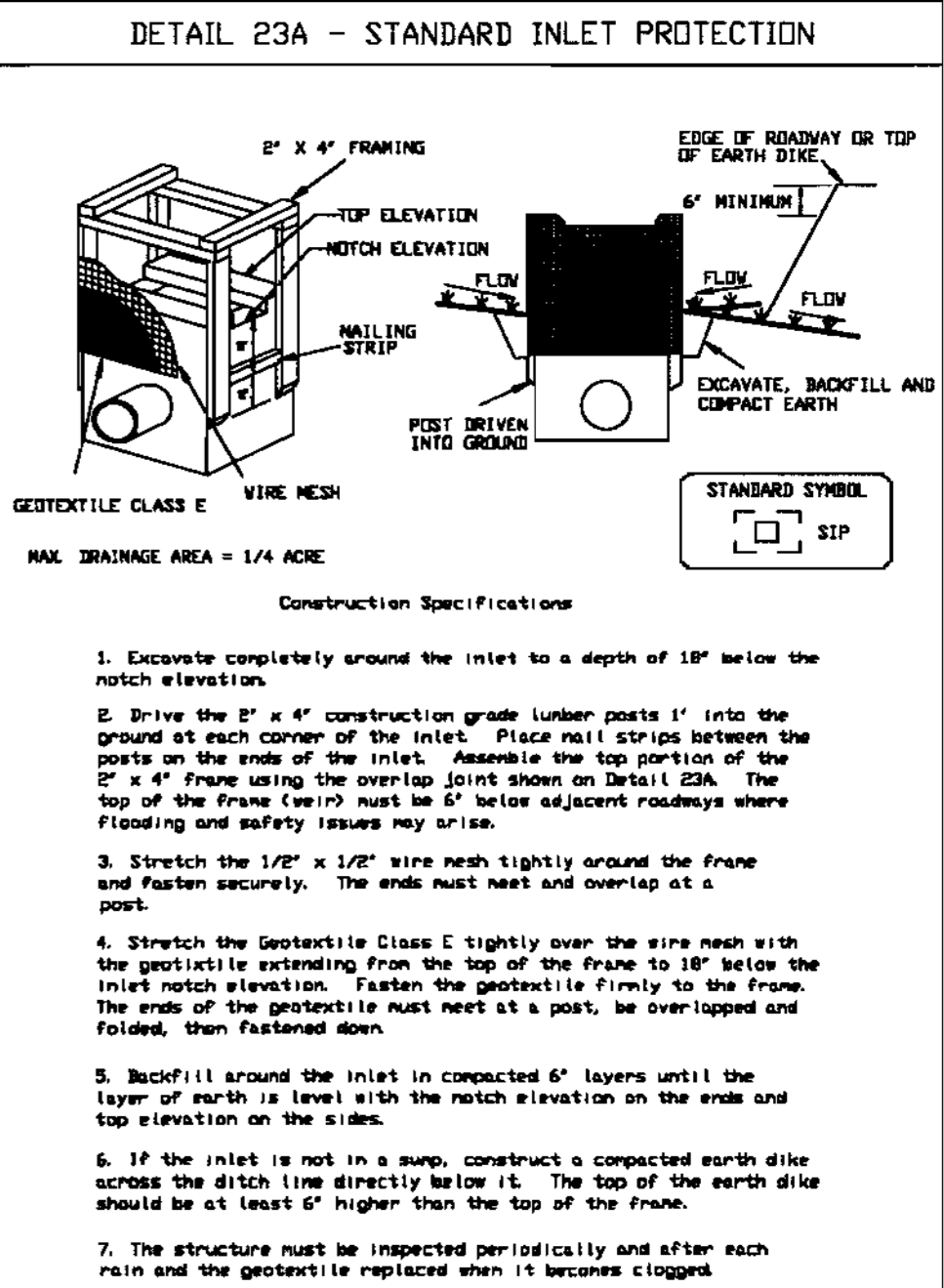


**SILT FENCE**

Silt Fence Design Criteria

Slope Steepness	(Maximum) Silt Fence Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	1,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 1:1	40 feet	250 feet
1:1 and steeper	20 feet	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 required.



APPROVED: DEPARTMENT OF PLANNING AND ZONING

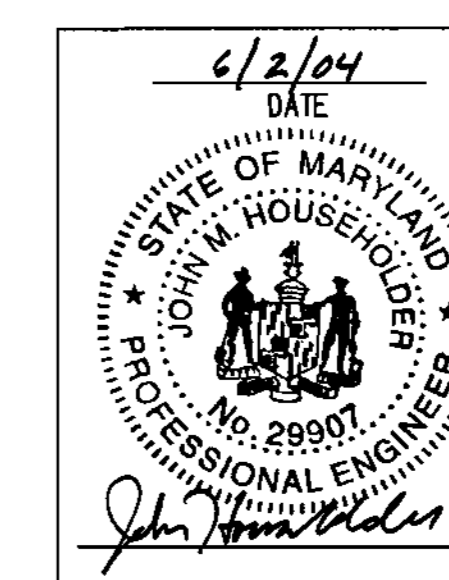
*Wanda Hamilton* 7/14/04 Date  
Chief, Division of Land Development HB

*David Williams* 9/19/04 Date  
Chief, Development Engineering Division MW

*Marshall L. Legler* 7/22/04 Date  
Director

**HOWARD COUNTY SOIL CONSERVATION DISTRICT 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 most current MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL and revisions thereto.
3. Following initial soil disturbance or re-disturbance, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 days as to all other disturbed or graded areas on the project site.
4. All sediment traps/basins shall 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 specific above in accordance with the 1995 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (Sec. 51), sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Section 52). Temporary stabilization with mulch along 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 by the Howard County Sediment Control Inspector.
7. Site Analysis:  
Total Area of Site 20.516 Acres  
Area Disturbed 6.55 Acres  
Area to be roofed or paved 4.35 Acres  
Area to be vegetatively stabilized 2.20 Acres  
Total Cut 5300 Cu. Yds.  
Total Fill 5500 Cu. Yds.  
Offsite waste/borrow area location: N/A
8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
9. Additional sediment control must be provided, if deemed necessary by the Howard County Sediment Control Inspector.
10. On all site with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
11. Trenches for the construction of utilities is limited to three pipe lengths or that which shall be back-filled and stabilized by the end of each work day, whichever is shorter.



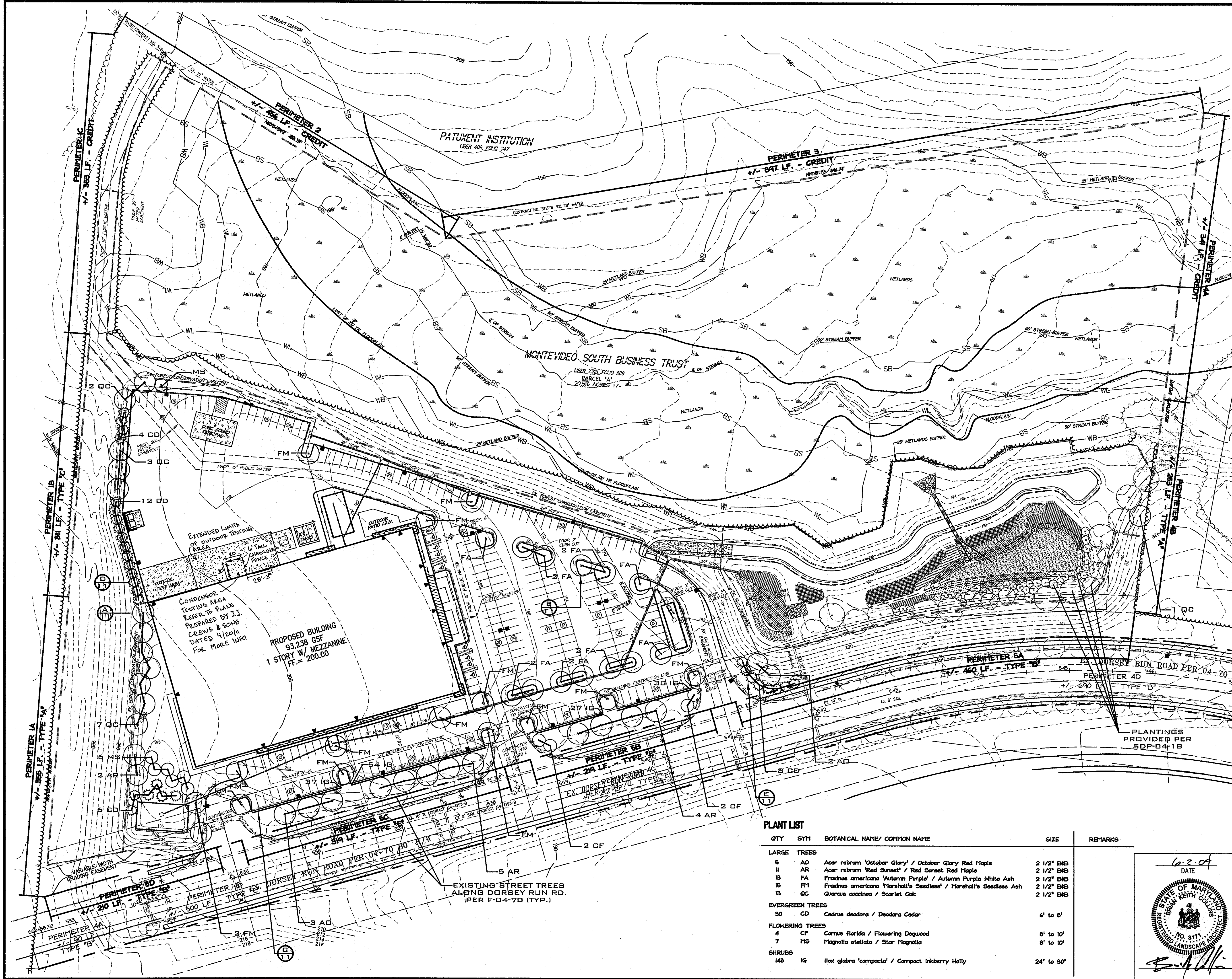
**BUILDING "A" AT DORSEY RUN INDUSTRIAL CENTER**

**OWNER / DEVELOPER**  
MONTEVEDO SOUTH BUSINESS TRUST  
C/O TRAMMELL CROW COMPANY  
7315 WISCONSIN AVENUE, SUITE 300 W  
BETHESDA, MARYLAND 20814  
TEL. (301) 530-6200 FAX (301) 530-6131

**christopher consultants**  
engineering · surveying · land planning  
christopher consultants, ltd.  
7172 columbia gateway drive (suite 100) · columbia, md. 21046-2990  
410.872.8880 · metro 301.861.0148 · fax 410.872.8888

TITLE: **EROSION & SEDIMENT CONTROL NOTES & DETAILS**

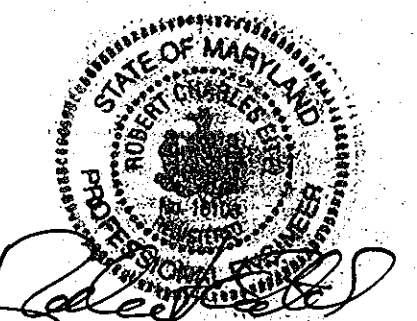
DESIGN: BAM SCALE: PROJECT: 036701.01  
DRAWN: JMH DATE: 6/01/04  
CHECKED: JMH APPROVED: **9 OF 12**



**LEGEND**

- : LIMITS OF DISTURBANCE
- : EXISTING CONTOUR
- : PROPOSED CONTOUR
- : PROPOSED SPOT ELEVATION
- : EXISTING WOODS LINE
- : EXISTING STORM SEWER
- : PROPOSED STORM SEWER
- : EXISTING SANITARY SEWER
- : PROPOSED SANITARY SEWER
- : EXISTING WATER LINE
- : PROPOSED WATER LINE
- : EXISTING CURB AND GUTTER
- : PROPOSED CURB AND GUTTER
- : EDGE OF PAVEMENT
- : FOUNDATION DRAIN OUTLET
- : SCHEMATIC LIGHTING (TO BE DONE BY OTHERS)
- : EXISTING TREE
- : PROPOSED OVERSTORY
- : PROPOSED EVERGREEN
- : PROPOSED ORNAMENTAL
- : PROPOSED SHRUBS
- : PLANTINGS PER SDP-04-18
- : PLANTINGS PER F-04-70

7/6/2011



For revision 1

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 Chief, Division of Land Development *9/12/14*  
 Chief, Development Engineering Division *9/10/14*  
 Director *7/22/14*

6/1/11 1 REVISION TO ADD OUTDOOR CONDENSER TESTING AREA  
 Date No. Revision Description  
 AT DORSEY RUN INDUSTRIAL CENTER, PARCEL A  
 T.M. 43, T.M. GRID 46, P.O. PARCEL 572, FIRST ELECTION DISTRICT  
 HOWARD COUNTY, MD

OWNER / DEVELOPER  
 MONTEVIDEO SOUTH BUSINESS TRUST  
 C/O TRAMMELL CROW COMPANY  
 7315 WISCONSIN AVENUE SUITE 300 W  
 BETHESDA, MARYLAND 20814  
 TEL. (301) 530-6200 FAX (301) 530-6131

christopher consultants  
 engineering - surveying - land planning  
 christopher consultants, Inc.  
 7172 columbia gallery drive (suite 100) - columbia, md. 21046-2990  
 410.872.8890 - metro 301.881.0148 - fax 410.872.8893

TITLE: **LANDSCAPE PLAN**

DESIGN: BKC SCALE: 1"=50' PROJECT: 036701.01  
 DRAWN: PZ DATE: 6/01/04  
 CHECKED: BKC APPROVED: **10 OF 12**

**PLANT LIST**

QTY	SYM	BOTANICAL NAME / COMMON NAME	SIZE	REMARKS
<b>LARGE TREES</b>				
5	AO	Acer rubrum 'October Glory' / October Glory Red Maple	2 1/2" B&B	
11	AR	Acer rubrum 'Red Sunset' / Red Sunset Red Maple	2 1/2" B&B	
13	FA	Fragaria americana 'Autumn Purple' / Autumn Purple White Ash	2 1/2" B&B	
15	FM	Fragaria americana 'Marshall's Seedless' / Marshall's Seedless Ash	2 1/2" B&B	
13	OC	Quercus coccinea / Scarlet Oak	2 1/2" B&B	
<b>EVERGREEN TREES</b>				
30	CD	Cedrus deodara / Deodara Cedar	6' to 8'	
<b>FLOWERING TREES</b>				
4	CF	Cornus florida / Flowering Dogwood	8' to 10'	
7	MS	Magnolia stellata / Star Magnolia	8' to 10'	
<b>SHRUBS</b>				
148	IG	Ilex glabra 'compacta' / Compact Inkberry Holly	24" to 30"	



**SCHEDULE A  
PERIMETER LANDSCAPE EDGE**

CATEGORY	ADJACENT TO ROADWAYS				ADJACENT TO PERIMETER PROPERTIES						
					P 1A	P 1C	P 2	P 3	P 4A	P 4B	
LANDSCAPE TYPE "A"											
LINEAR FEET OF PERIMETER					355 LF.	353 LF.	456 LF.	897 LF.	341 LF.	253 LF.	
LANDSCAPE TYPE "B"	P 5A			P 5D							
LINEAR FEET OF PERIMETER	460 LF.			210 LF.							
LANDSCAPE TYPE "C"					P 1B						
LINEAR FEET OF PERIMETER					311 LF.						
LANDSCAPE TYPE "E"		P 5B	P 5C								
LINEAR FEET OF PERIMETER		219 LF.	319 LF.								
CREDIT FOR EXISTING VEGETATION (DESCRIBE BELOW IF NEEDED)	YES# 0 SHADE 0 EVERGREEN	N/A	N/A	N/A	N/A	N/A	353 LF.	456 LF.	897 LF.	341 LF.	YES# 4 SHADE
REMAINING LINEAR FEET OF PERIMETER (PERIMETER - CREDIT)	460 LF.	219 LF.	319 LF.	210 LF.	355 LF.	311 LF.	0 LF.	0 LF.	0 LF.	0 LF.	253 LF.
NUMBER OF PLANTS REQUIRED											
SHADE TREES	1	6	8	5	6	8	0	0	0	0	0
EVERGREEN TREES	0	0	0	0	0	16	0	0	0	0	0
SHRUBS	0	56	80	0	0	0	0	0	0	0	0
NUMBER OF PLANTS PROVIDED											
SHADE TREES	2	4	8	2	9	5*	0	0	0	0	0
EVERGREEN TREES	0	0	0	6	0	16	0	0	0	0	0
OTHER TREES (2:1 SUBSTITUTION)	0	4*	0	6*	0	0	0	0	0	0	0
SHRUBS (10:1 SUBSTITUTION) (DESCRIBE PLANT SUBSTITUTION CREDITS BELOW IF NEEDED)	0	57	89	0	0	0	0	0	0	0	0

\* NOTES:  
P5A/P4B - PLANTINGS PROVIDED PER SDP-04-10  
P5B - 4 ORNAMENTAL TREES SUBSTITUTED FOR 2 SHADE TREES  
P5D - 6 ORNAMENTAL TREES SUBSTITUTED FOR 3 SHADE TREES  
P1B - 3 SHADE TREES PLANTED IN PERIMETER 1A

**GENERAL PLANTING NOTES**

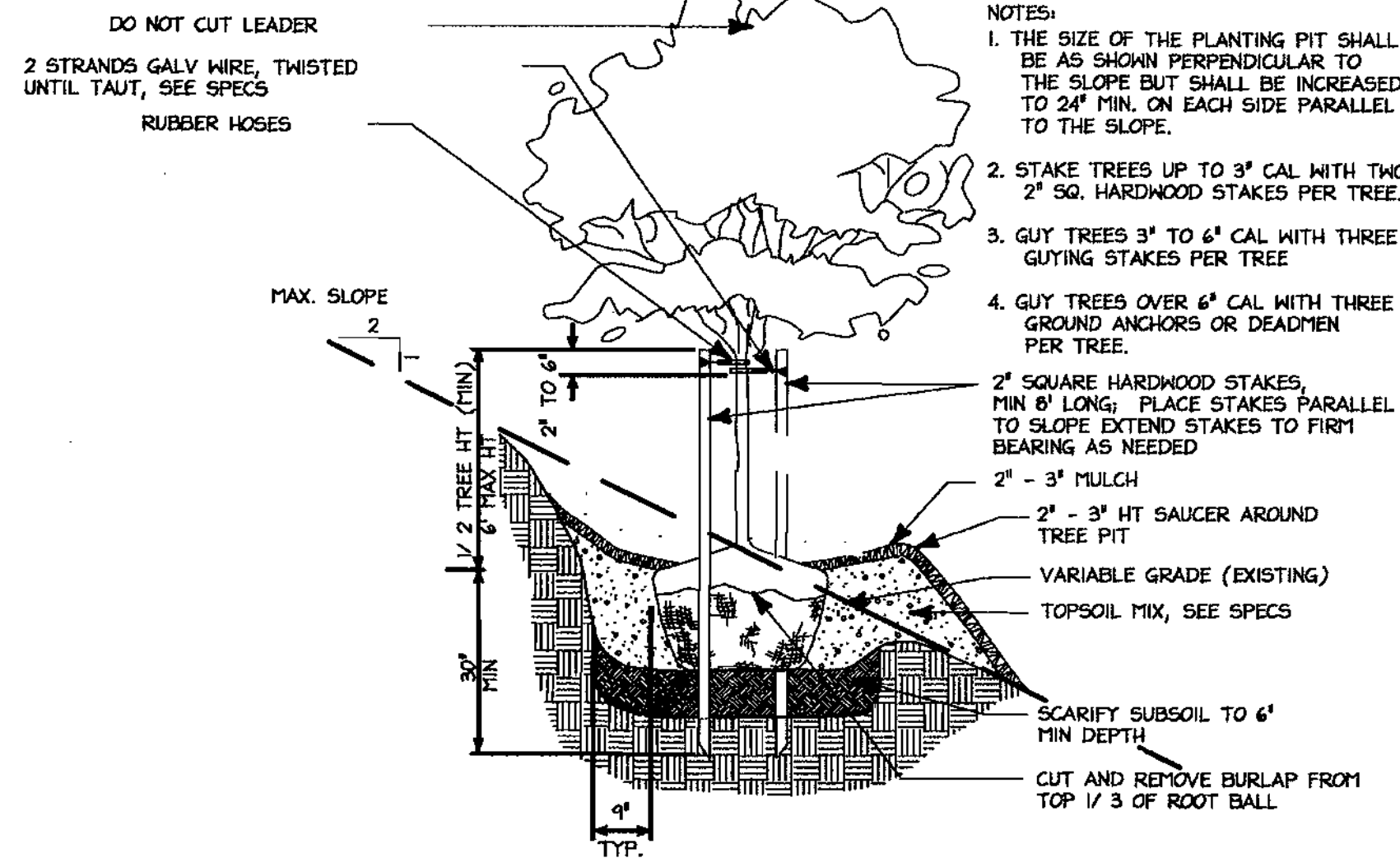
- ALL PLANT MATERIAL TO MEET A.A.N. STANDARDS
- LANDSCAPING CONTRACTOR TO FOLLOW LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE WASHINGTON METRO AREA APPROVED BY LCAFM.
- NO SUBSTITUTIONS TO BE MADE WITHOUT CONSENT OF LANDSCAPE ARCHITECT OR OWNER.
- ALL BEDS TO BE TOPPED WITH THREE INCHES OF HARDWOOD MULCH.
- LANDSCAPE CONTRACTOR TO VERIFY LOCATION OF UTILITIES WITH OWNERS BEFORE PLANTING.
- LANDSCAPE ARCHITECT/OWNER SHALL SELECT, VERIFY AND/OR APPROVE ALL PLANT MATERIAL AT OWNER'S DISCRETION, SPECIMEN AND OTHER PLANT MATERIAL WILL BE SELECTED.
- LANDSCAPE CONTRACTOR SHALL COORDINATE PLANT BED FILLING OPERATIONS AND PLANT MATERIAL INSTALLATION WITH GENERAL CONTRACTOR AND UTILITIES CONTRACTOR. AT THE TIME OF FINAL INSPECTION WITH ACCEPTANCE, ALL ELECTRIC, WATER, DRAINAGE, AND FOUNTAIN UTILITIES, AS WELL AS ALL PLANT MATERIALS, SHALL REMAIN UNDAMAGED. LIKEWISE, LANDSCAPE CONTRACTOR AND UTILITIES CONTRACTOR SHALL COORDINATE EFFORTS TO ENSURE THAT SURFACE UTILITIES ARE AT THE PROPER ELEVATION RELATIVE TO FINAL GRADES.
- CONTRACTOR SHALL NOTIFY MISS UTILITY 72 HOURS PRIOR TO CONSTRUCTION.
- THE OWNER, TENANT, AND/OR THEIR AGENTS SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE REQUIRED LANDSCAPING, INCLUDING BOTH PLANT MATERIALS AND BERRIS, FENCES AND WALLS. ALL PLANT MATERIALS SHALL BE MAINTAINED IN GOOD GROWING CONDITION, AND WHEN NECESSARY, REPLACED WITH NEW MATERIALS TO ENSURE CONTINUED COMPLIANCE WITH APPLICABLE REGULATIONS. ALL OTHER REQUIRED LANDSCAPING SHALL BE PERMANENTLY MAINTAINED IN GOOD CONDITION, AND WHEN NECESSARY, REPAIRED OR REPLACED.
- TOPSOIL MIX
  - Planting mix shall be prepared at approved on-site staging area using approved on-site existing soil. Mix minimum quantities of 20 cubic yards or sufficient mix for entire job if less than 20 cubic yards is required.
  - Thoroughly mixed in the following proportions for tree and shrub planting mix:
    - 5 cy existing soil
    - 2 cy sharp sand
    - 3 cy wood residuals
    - 4.5 lbs treble superphosphate
    - 5 lbs dolomite limestone (eliminate for acid loving plants)
  - For bed planting, shrubs and groundcover spaces 24 inches or closer, incorporate the following ingredients per 20 sf and incorporate into top 6 inches of existing soils by rototilling or similar method of incorporation.
    - 2 cy sharp sand
    - 3 cy organic material
    - 4.5 lbs treble superphosphate
    - 5 lbs dolomite limestone (eliminate for acid loving plants)
- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE H.O.G.O. CODE. FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING IN THE AMOUNT OF 22,680 MUST BE POSTED AS PART OF THE DEVELOPER'S AGREEMENT. (47 SHADE, 30 EVERGREEN, 136 SHRUBS).
- DEVELOPER'S BUILDER'S CERTIFICATE

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

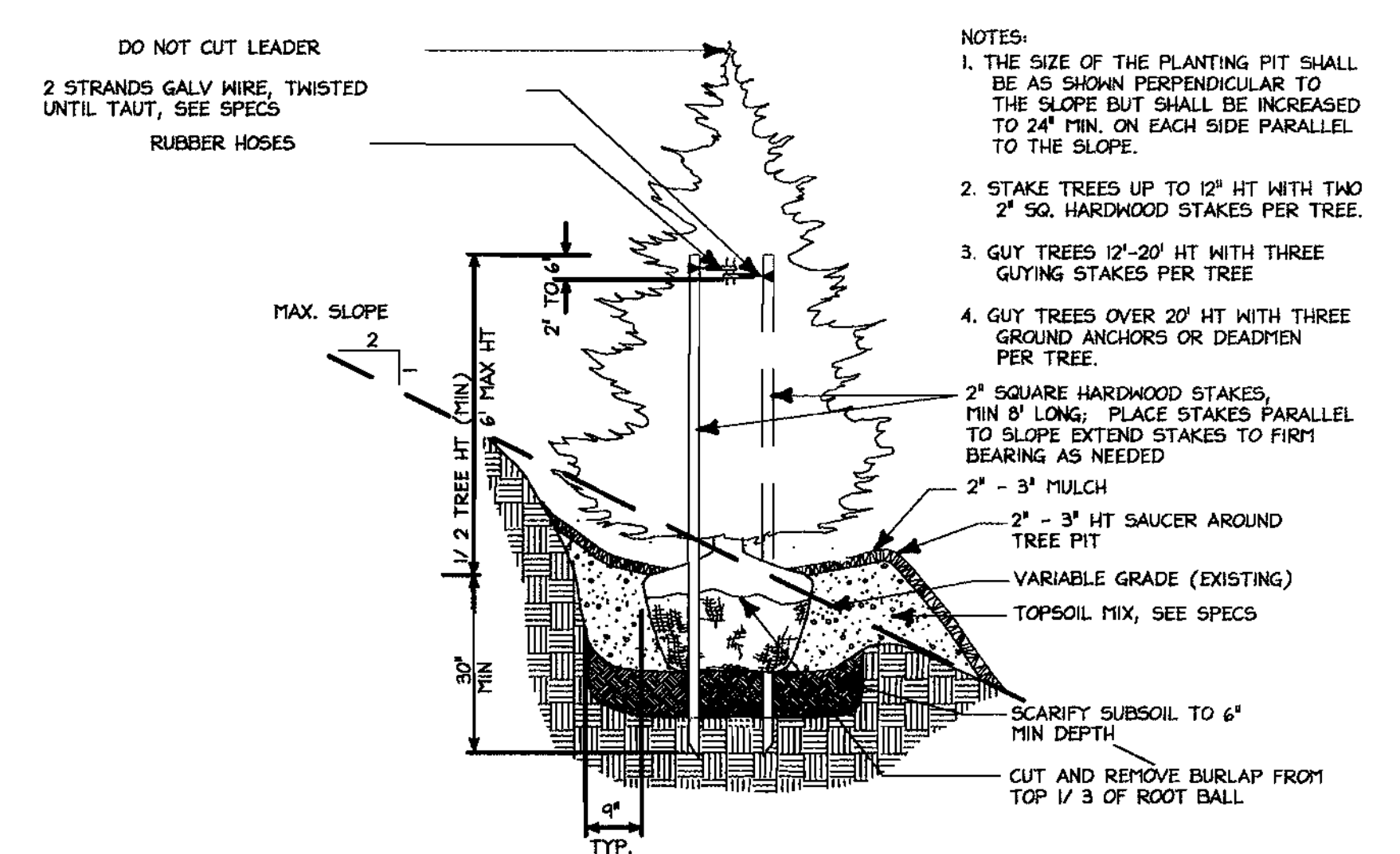
NAME \_\_\_\_\_ DATE \_\_\_\_\_

**SCHEDULE B  
PARKING LOT INTERNAL LANDSCAPING**

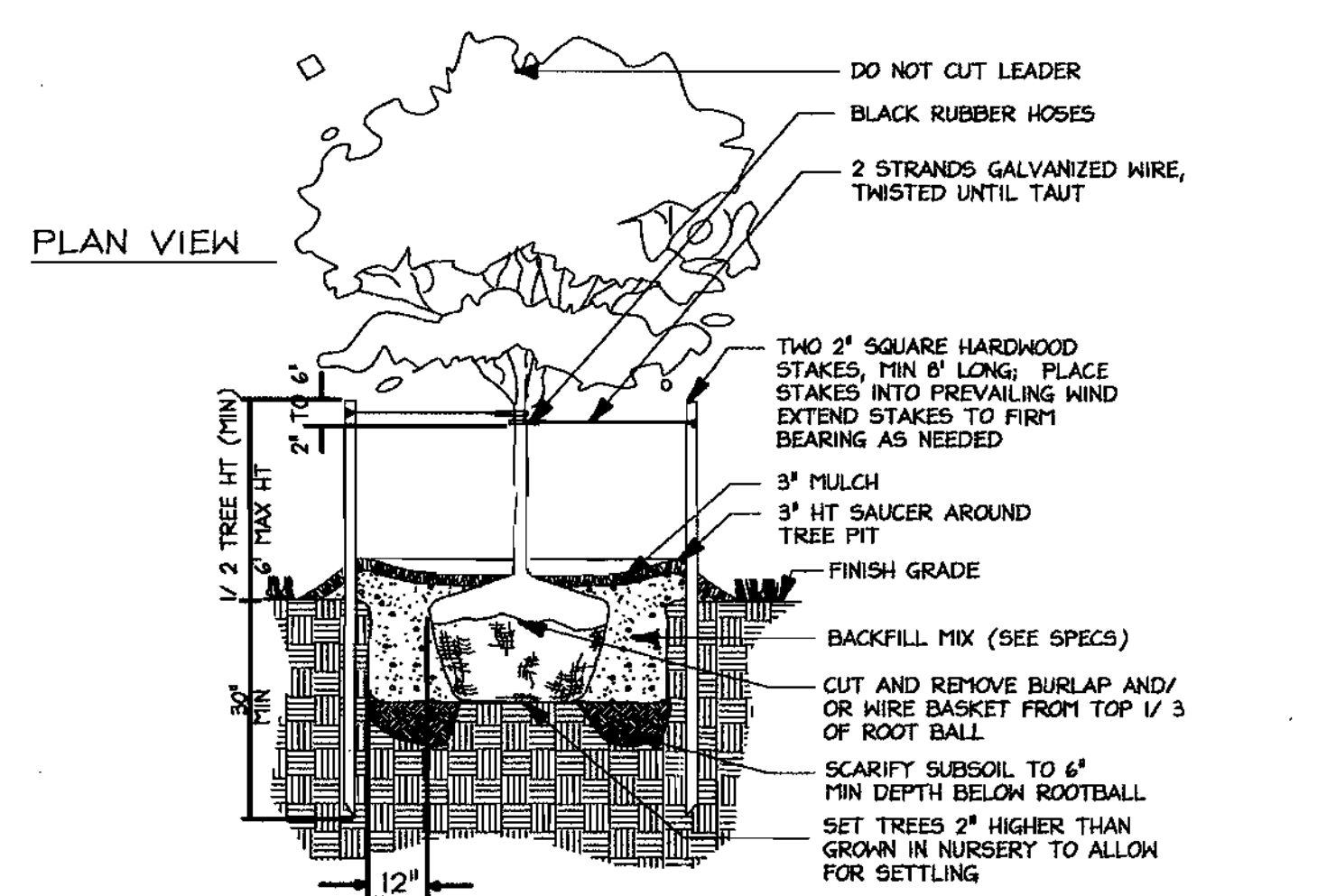
NUMBER OF PARKING SPACES	250
NUMBER OF TREES REQUIRED @ 1/20 PKG. SPACES	13
NUMBER OF TREES PROVIDED	
SHADE TREES	13
OTHER TREES (2:1 SUBSTITUTION)	0
NUMBER OF ISLANDS REQUIRED @ 1 PER 20 PKG. SP.	13
NUMBER OF ISLANDS PROVIDED @ 1 PER 20 PKG. SP.	13



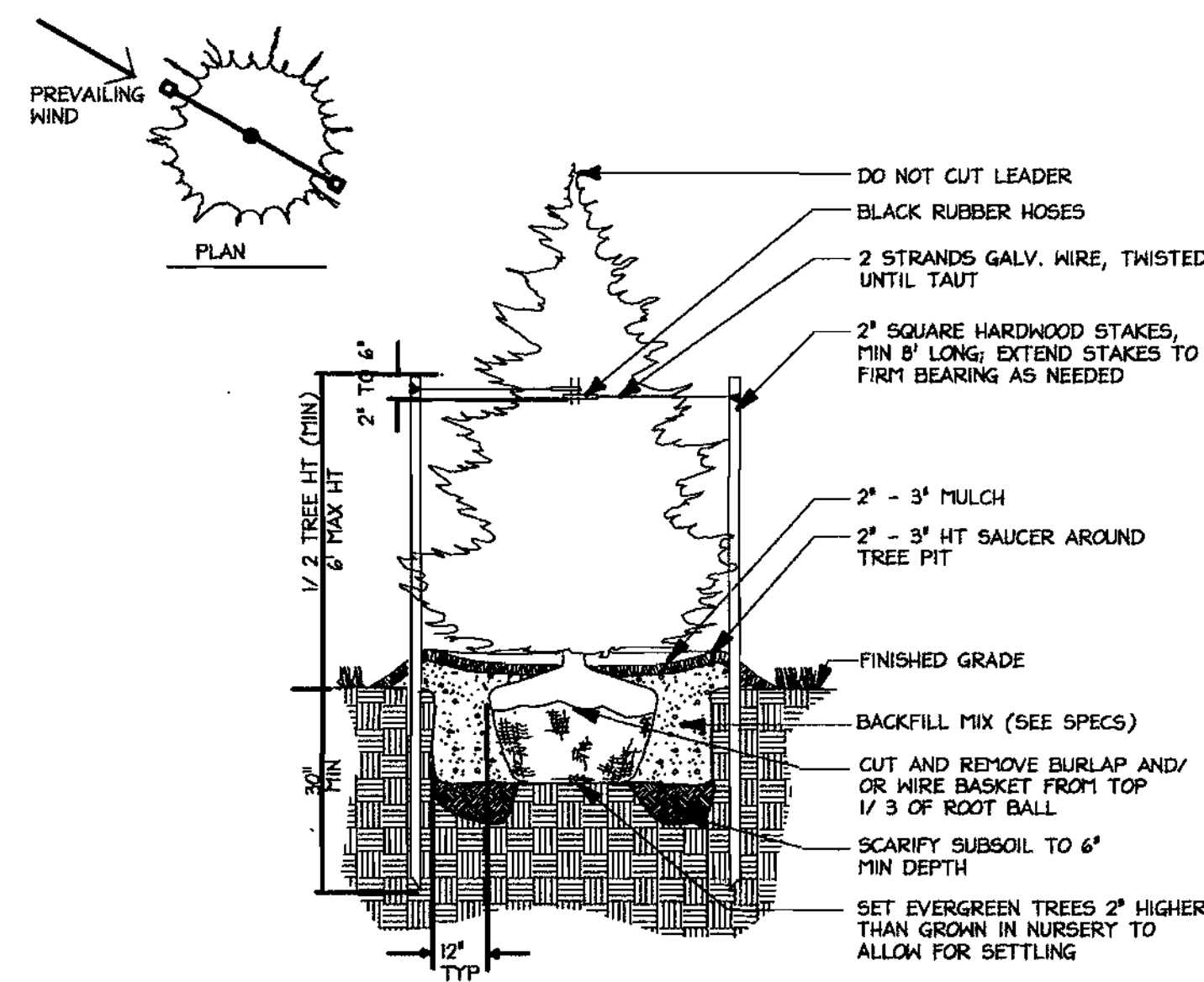
**A** Tree Planting on Slope  
Not To Scale



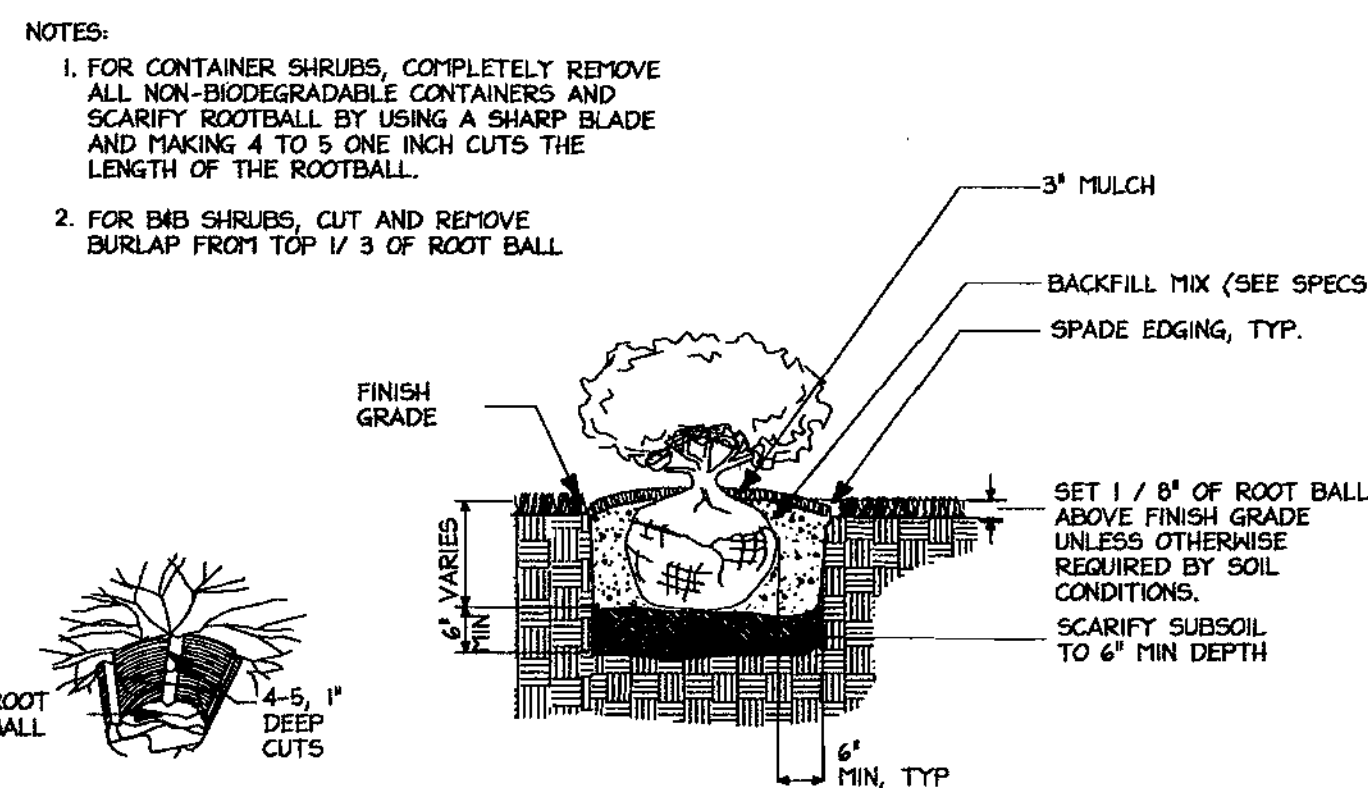
**D** Evergreen Tree Planting on Slope  
Not To Scale



**B** Less Than 3" Cal. Tree Planting  
Not To Scale



**E** Evergreen Tree Planting  
Not To Scale



**C** Shrub Bed Planting  
Not To Scale

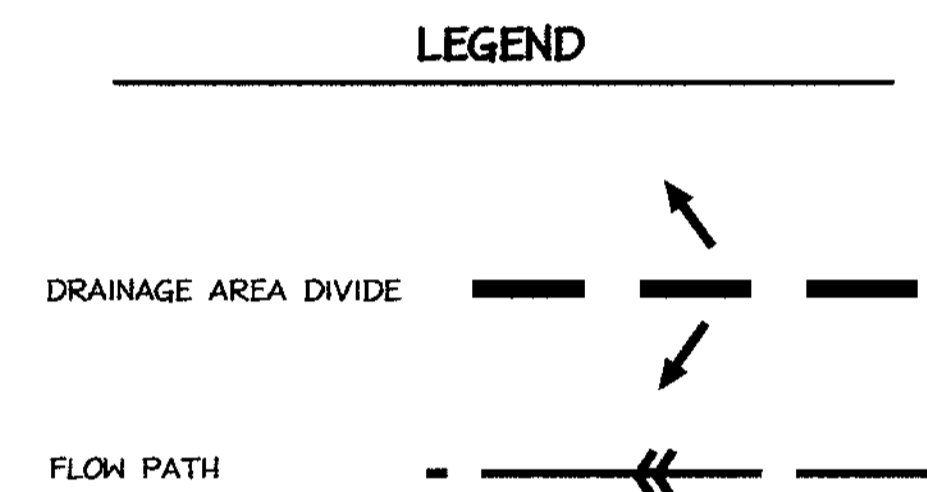
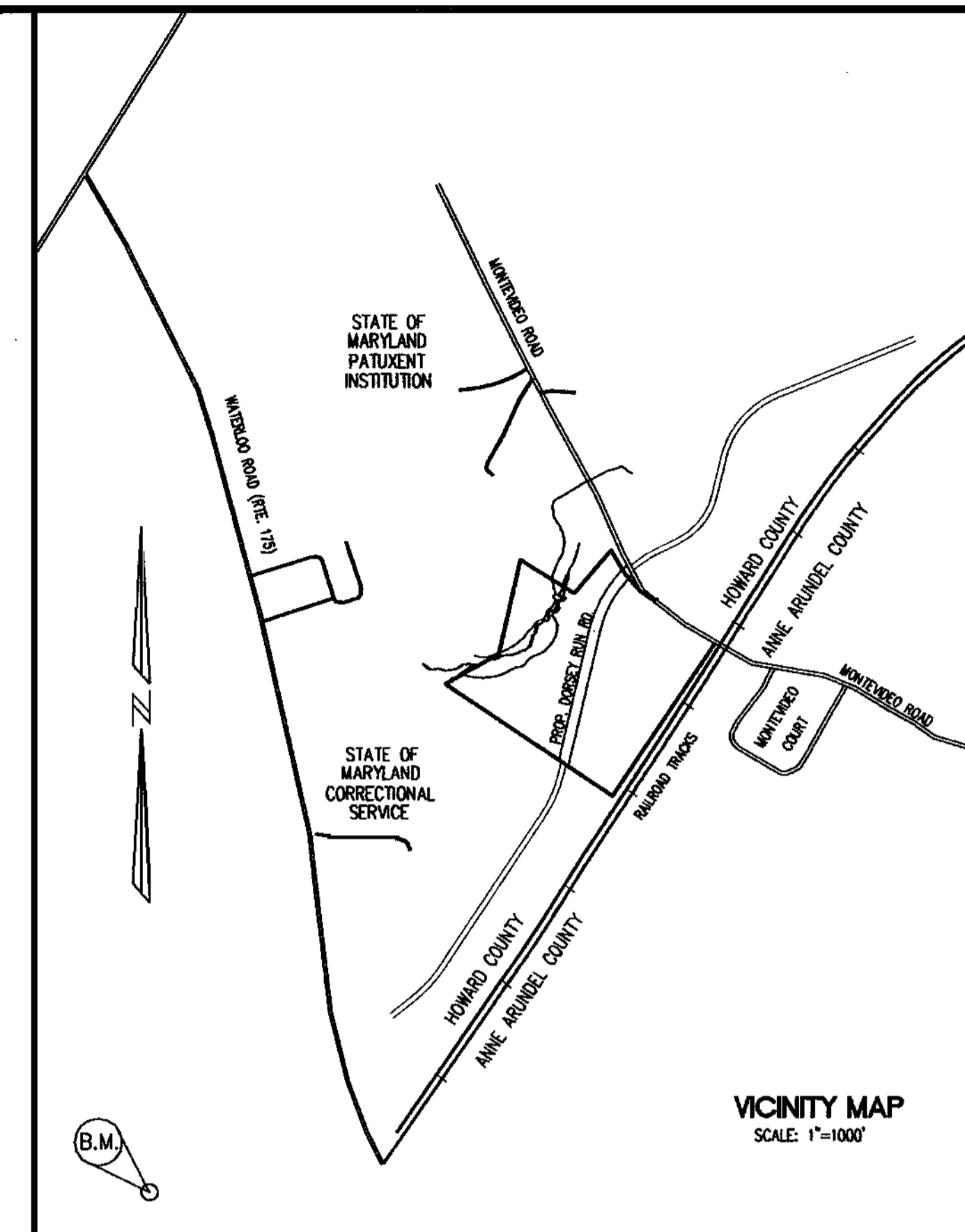
APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 Chief, Division of Land Development: *Leah K. Hamilton* 9/10/04  
 Chief, Development Engineering Division: *Mark A. Langer* 7/22/04  
 Director: \_\_\_\_\_ Date: \_\_\_\_\_

REVISION DESCRIPTION  
 BUILDING "A"  
 AT DORSEY RUN INDUSTRIAL CENTER  
 OWNER / DEVELOPER  
 MONTEVEDO SOUTH BUSINESS TRUST  
 C/O TRAMMELL CROW COMPANY  
 7315 WISCONSIN AVENUE SUITE 300 W  
 BETHESDA, MARYLAND 20814  
 TEL. (301) 530-6200 FAX (301) 530-6131

**christopher consultants**  
 engineering · surveying · land planning  
 christopher consultants, inc.  
 7172 columbian gateway drive suite 100 columbia, md. 21046-2990  
 410.872.8900 · metro 301.981.0148 · fax 410.872.8903

6-2-04  
 DATE  
  
 No. 3171  
 REGISTERED LANDSCAPE ARCHITECT

TITLE: **LANDSCAPE DETAILS & NOTES**  
 DESIGN: BKC SCALE: AS SHOWN PROJECT: 036701.01  
 DRAWN: FZ DATE: 6/01/04  
 CHECKED: BKC APPROVED: \_\_\_\_\_ 11 OF 12



APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Chris Kramlich* 9/10/04  
 Chief, Division of Land Development Date

*Charles Dammann* 9/10/04  
 Chief, Development Engineering Division M&J Date

*David Dreyer* 9/21/04  
 Director Date

Date	No.	Revision Description
		<b>SITE "A"</b>
		<b>AT DORSEY RUN INDUSTRIAL CENTER</b>
		<b>OWNER / DEVELOPER</b>
		<small>INDUSTRIAL CENTER BUSINESS CENTER        C/O THOMAS CRON COMPANY        7315 HICKORY AVENUE SUITE 300 W        BETHESDA, MARYLAND 20814        TEL. (301) 530-8200 FAX (301) 530-8131</small>

**christopher consultants**  
 engineering · surveying · land planning  
 christopher consultants, inc.  
 7172 columbia gateway drive suite 100, columbia, mo. 65206-2990  
 (314) 220-2800 · fax: (314) 220-2801

PERMIT INFORMATION CHART

PROJECT NAME	LOT/PARCEL NO.	CENSUS TRACT
BALTIMORE AIR COIL	100,325,372,572,574	6067.03
DATE	ZONE	TAX MAP
6/2/04	M-2	43
PLAT NO. GRID NO.	ELECTION DISTRICT	
N/A 16	1ST	
WATER CODE	SEWER CODE	
PUBLIC	PUBLIC	

TITLE: **100 YEAR FLOODPLAIN DRAINAGE AREA MAP**

DESIGN: RAD/XDF SCALE: 1"=200' PROJECT: 036701.01

DRAWN: ADL DATE: 6/1/04

CHECKED: APPROVED:

