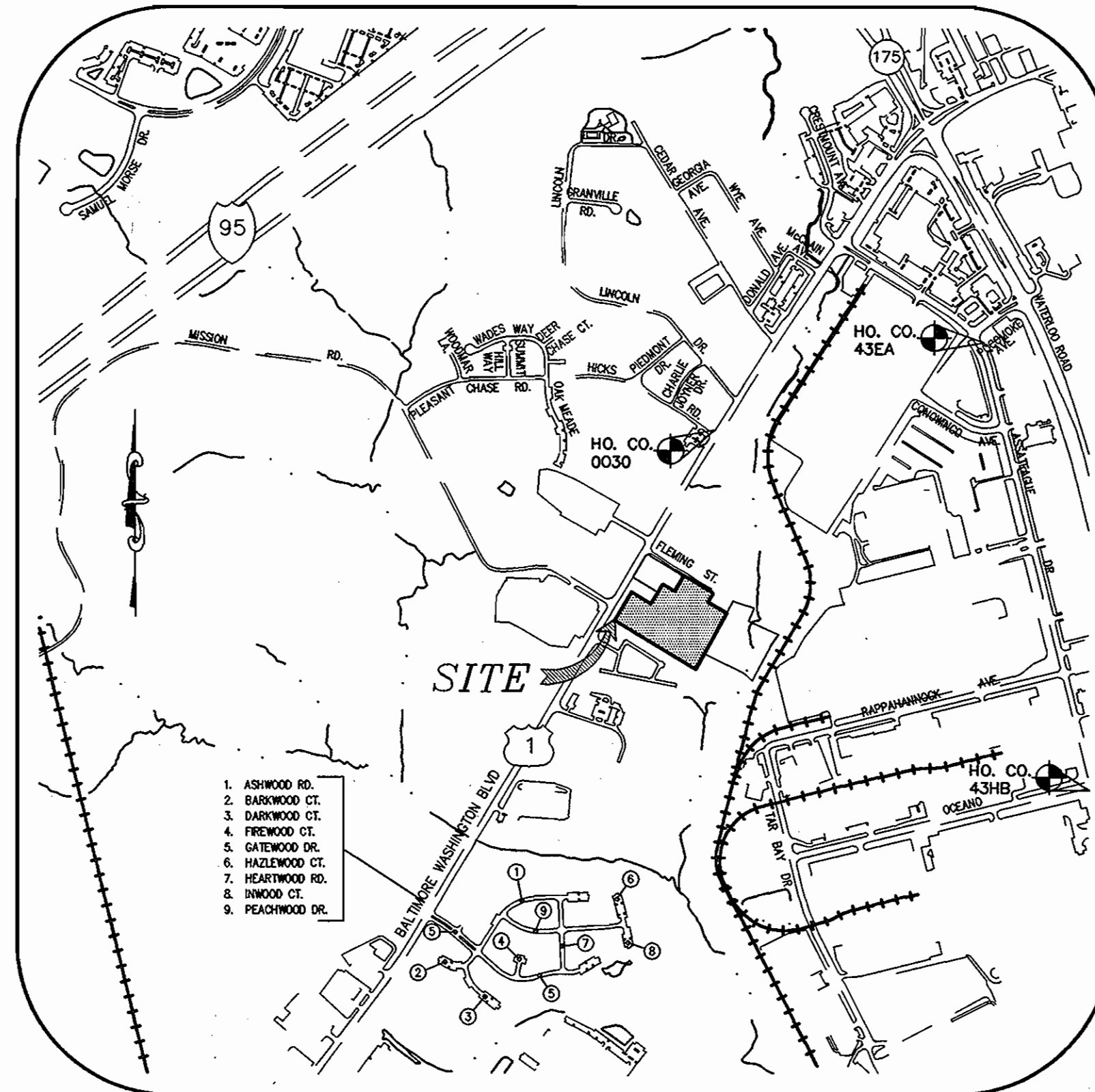


# SITE DEVELOPMENT PLAN ROUTE 1 TEMPORARY MOBILE HOME PARK SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

## SHEET INDEX

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VICINITY MAP  
SCALE: 1"=1000'

## GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/CONSTRUCTION INSPECTIONS DIVISION AT (410) 313-1880 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS PRIOR TO ANY EXCAVATION WORK:
 

MISS UTILITY	1-800-257-7777
C&P TELEPHONE COMPANY	(410) 725-9976
HOWARD COUNTY BUREAU OF UTILITIES	(410) 313-4900
AT&T CABLE LOCATION DIVISION	(410) 393-3533
BALTIMORE GAS & ELECTRIC	(410) 685-0123
STATE HIGHWAY ADMINISTRATION	(410) 531-5533
HOWARD COUNTY DEPT. OF PUBLIC WORKS/CONSTRUCTION INSPECTIONS DIVISION	(410) 313-1880
- PROJECT BACKGROUND:  
 LOCATION: SIXTH ELECTION DISTRICT - TAX MAP 43 - PARCEL A  
 ZONING: CE-CU  
 TOTAL TRACT AREA: 7.38 ACRES ±  
 PROPOSED USE: TEMPORARY MOBILE HOME PARK  
 TOTAL UNITS: 39 UNITS  
 REQUIRED PARKING:  
 2 SPACES/ MOBILE HOME = 2 SPACES X 39 = 78 SPACES  
 OVERFLOW PARKING = 0.3 SPACES PER MOBILE HOME = .3 SP. X 39 = 12 SPACES  
 TOTAL PARKING REQUIRED = 90 SPACES  
 TOTAL PARKING PROVIDED = 92 SPACES (TANDEM SPACES AT UNITS, 14 OVERFLOW)  
 DPZ REFERENCE #: BA-00-05V, SDP-02-06, F-02-148/P.N.15532, P.N. 19237-19238, F-07-207  
 LIMIT OF DISTURBANCE: 5.14 AC.±
- TWO FOOT CONTOUR TOPOGRAPHY AND EXISTING CONDITIONS BASED ON AERIAL TOPOGRAPHIC SURVEY PERFORMED BY WINGS AERIAL MAPPING CO., INC. ON OR ABOUT NOVEMBER 1999. BOUNDARY SHOWN HEREON IS BASED ON A FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT MAY 1999 BY MILDENBERG, BOENDER & ASSOCIATES, INC.
- HORIZONTAL AND VERTICAL DATUMS BASED ON (NAD'83) MARYLAND STATE COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS.
 

STA. No. 0030	N 545,924.889	ELEV. 217.50
	E 1,371,591.666	
STA. No. 43EA	N 546,594.000	ELEV. 242.88
	E 1,373,621.745	
STA. No. 43HB	N 543,166.776	ELEV. 252.31
	E 1,374,425.020	
- SEWER IS PRIVATE. WATER TO BE SERVICED BY CONTRACT# 44-4391-D.
- TRAFFIC IMPACT ANALYSIS PREPARED BY THE TRAFFIC GROUP ON JUNE 13, 2001. PER MSHA REQUIREMENTS, 15-FOOT ACCELERATION/DECELERATION LANES ARE REQUIRED ALONG THE PROPERTY FRONTAGE ON US ROUTE 1.
- WETLAND DELINEATION PREPARED BY HILLIS-CARNES ENGINEERING ASSOCIATES, INC. ON MAY 11, 2000. FOREST STAND DELINEATION PREPARED BY HILLIS-CARNES ENGINEERING ASSOCIATES, INC. ON MAY 10, 2001.
- CONTRACTOR TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES ON SITE PRIOR TO COMMENCING CONSTRUCTION.
- PROPERTY IS LOCATED WITHIN THE METROPOLITAN DISTRICT.
- NO STEEP SLOPES EXIST ON-SITE.
- NO WETLANDS EXIST ON-SITE PER WETLAND DELINEATION PREPARED BY HILLIS-CARNES ENGINEERING ASSOCIATES, INC. ON MAY 11, 2000. WETLANDS EXIST ON PARCEL 562, JUST EAST OF THE SITE.
- NO FLOODPLAIN EXISTS ON-SITE. EXISTING FLOODPLAIN SHOWN ON PARCEL 562.
- NO CEMETERY OR HISTORIC STRUCTURES EXIST ON-SITE.
- PROPERTY IS NOT ADJACENT TO ANY SCENIC ROADS.
- STORMWATER MANAGEMENT QUANTITY CONTROL IS TO BE PROVIDED VIA AN EXISTING UNDERGROUND FACILITY (SDP-02-006) WATER QUALITY WILL BE PROVIDED VIA UNDERGROUND INFILTRATION. FACILITIES ARE TO BE PRIVATELY OWNED AND MAINTAINED.
- FOREST CONSERVATION EASEMENT(S) HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.200 OF HOWARD COUNTY FOREST CONSERVATION ACT. NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT, HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OR CONSERVATION EASEMENT ARE ALLOWED.
- THE FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BY RETENTION OF 1.01 ACRES OF FOREST\*, REFORESTATION OF 0.15 ACRES\*, AND PAYMENT OF A BUYOUT OF REFORESTATION FOR 0.43 ACRES (18,730.00 SQ. FT.) IN THE AMOUNT OF \$18,730.80. FINANCIAL SURETY FOR THE ON-SITE RETENTION (1.01 ACRES OR 43,995.60 SQ. FT. IN THE AMOUNT OF \$8,799.12) AND REFORESTATION (0.15 ACRES OR 6,534 SQ. FT. IN THE AMOUNT OF \$3,267.00) HAS BEEN POSTED AS PART OF THE DEVELOPERS AGREEMENT IN THE AMOUNT OF \$30,796.92.  
 \* FOREST RETENTION, REFORESTATION & FEE-IN-LIEU OF 0.64 AC. WAS ADDRESSED UNDER F-02-148
- 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 DEVELOPERS AGREEMENT FOR THE REQUIRED LANDSCAPE PLANTINGS (153 SHADE TREES, 48 EVERGREENS & 14 SHRUBS) IN THE AMOUNT OF \$53,520.00.
- NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE REQUIRED WETLANDS, STREAM(S), 100-YR FLOOD PLAIN OR THEIR BUFFERS AND FOREST CONSERVATION EASEMENT AREAS.
- ALL OUTDOOR LIGHTING SHALL COMPLY WITH THE REQUIREMENTS OF HOWARD COUNTY ZONING REGULATIONS SECTION 134.
- PER SECTION 127.2(E), THIS SITE HAS BEEN DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS FOR A TRANSITIONAL MOBILE HOME PARK WHICH WILL EXIST FOR A PERIOD OF FIFTEEN (15) YEARS.
- THE SUBJECT PROPERTY IS ZONED CE-CU PER THE 2/2/04 COMPREHENSIVE ZONING PLAN AND THE "COMP LITE" ZONING AMENDMENTS EFFECTIVE 7/28/06.
- THIS PARK SHALL BE OPERATED EXCLUSIVELY AS A RENTAL PROJECT.
- THIS SITE WILL HAVE PRIVATE TRASH COLLECTION.
- ALL LIGHTS TO BE 150-WATT HPS VAPOR PREMIER POST TOPS. THE PROPOSED LIGHTING LOCATIONS ARE SHOWN ON SHEET 2 AS FOLLOWS:  
 JENMAR ROAD STA. 0+3.45, 19.57' LT.; 0+62.59, 22.59' RT.; 3+11.37, 20.45' RT.; 7+01.40, 15.27' LT. KEITH TAYLOR DRIVE STA. 1+6.3, 19.55' RT.  
 JACK LANE STA. 0+08.35, 16.94' RT.; 2+09.51, 20.74' LT.; 4+81.54, 20.41' LT.; 6+32, 21.51' LT.  
 FOR MORE INFORMATION ON LIGHTING DETAILS PLEASE CONTACT PARRIS ZIRKNEBACH AT DPW AT 410-313-5752.
- LIGHT TRESPASS ONTO ANY PROPERTY ZONED OR USED FOR RESIDENTIAL PURPOSES SHALL BE LIMITED TO 0.5 FOOT CANDLES.

**OWNER**  
JESSUP ROCK, LLC.  
C/O ROCK REALTY, INC.  
6800 DEERPATH ROAD, SUITE 100  
ELKRIDGE, MD 21075  
(410) 579-2442



**DEVELOPERS CERTIFICATE**  
I 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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Developer: *Mark C. Lott* DATE: 7/24/07  
 Signature of Engineer: *R. Jacob Hixmat* DATE: 7/19/07

**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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Engineer: *R. Jacob Hixmat* DATE: 7/19/07  
 Printed Name of Engineer: R. JACOB HIXMAT

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 Signature: *Jan M. M... 7/24/07*  
 Title: NATURAL RESOURCE CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 Signature: *Peter Belemann 8/11/07*  
 Title: HOWARD COUNTY HEALTH OFFICER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL CONSERVATION DISTRICT.  
 Signature: *John R. ... 7/24/07*  
 Title: HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 Signature: *... 7/20/07*  
 Title: CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: *Cinda ... 8/3/07*  
 Title: CHIEF, DIVISION OF LAND DEVELOPMENT

Signature: *... 7/24/07*  
 Title: DIRECTOR

BUILDING NO.	STREET ADDRESS
UNIT 1	8015 JENMAR ROAD, JESSUP, MD 20794
UNIT 2	8017 JENMAR ROAD, JESSUP, MD 20794
UNIT 3	8019 JENMAR ROAD, JESSUP, MD 20794
UNIT 4	8021 JENMAR ROAD, JESSUP, MD 20794
UNIT 5	8023 JENMAR ROAD, JESSUP, MD 20794
UNIT 6	8025 JENMAR ROAD, JESSUP, MD 20794
UNIT 7	8027 JENMAR ROAD, JESSUP, MD 20794
UNIT 8	8029 JENMAR ROAD, JESSUP, MD 20794
UNIT 9	8031 JENMAR ROAD, JESSUP, MD 20794
UNIT 10	8033 JENMAR ROAD, JESSUP, MD 20794
UNIT 11	8035 JENMAR ROAD, JESSUP, MD 20794
UNIT 12	8037 JENMAR ROAD, JESSUP, MD 20794
UNIT 13	8039 JENMAR ROAD, JESSUP, MD 20794
UNIT 14	8041 JENMAR ROAD, JESSUP, MD 20794
UNIT 15	8043 JENMAR ROAD, JESSUP, MD 20794
UNIT 16	8045 JENMAR ROAD, JESSUP, MD 20794
UNIT 17	8047 JENMAR ROAD, JESSUP, MD 20794
UNIT 18	8049 JENMAR ROAD, JESSUP, MD 20794
UNIT 19	8051 JACK LANE, JESSUP, MD 20794
UNIT 20	8053 JACK LANE, JESSUP, MD 20794
UNIT 21	8055 JACK LANE, JESSUP, MD 20794
UNIT 22	8057 JACK LANE, JESSUP, MD 20794
UNIT 23	8059 JACK LANE, JESSUP, MD 20794
UNIT 24	8061 JACK LANE, JESSUP, MD 20794
UNIT 25	8063 JACK LANE, JESSUP, MD 20794

BUILDING NO.	STREET ADDRESS
UNIT 26	8026 JACK LANE, JESSUP, MD 20794
UNIT 27	8028 JACK LANE, JESSUP, MD 20794
UNIT 28	8030 JACK LANE, JESSUP, MD 20794
UNIT 29	8032 JACK LANE, JESSUP, MD 20794
UNIT 30	8034 JACK LANE, JESSUP, MD 20794
UNIT 31	8036 JACK LANE, JESSUP, MD 20794
UNIT 32	8038 JACK LANE, JESSUP, MD 20794
UNIT 33	8040 JACK LANE, JESSUP, MD 20794
UNIT 34	8042 JACK LANE, JESSUP, MD 20794
UNIT 35	8044 JACK LANE, JESSUP, MD 20794
UNIT 36	8046 JACK LANE, JESSUP, MD 20794
UNIT 37	8048 JACK LANE, JESSUP, MD 20794
UNIT 38	8050 JACK LANE, JESSUP, MD 20794
UNIT 39	8052 JACK LANE, JESSUP, MD 20794

PERMIT INFORMATION CHART					
SUBDIVISION NAME	SECTION/AREA	LOT/PARCEL #	PARCEL A		
ROUTE ONE TEMPORARY MOBILE HOME PARK	N/A				
PLAT # OR L/T	BLOCK #	ZONE	TAX MAP	ELEC. DIST.	CENSUS TRACT
19237-19238	14	CE-CU	43	SIXTH	6069.01
WATER CODE	SEWER CODE				
B-02	3240000				
PROPOSED IMPROVEMENTS: TEMPORARY MOBILE HOME PARK					

date	JULY 2007
project	98091
illustration	HSP
scale	HSP
approval	AS SHOWN

date	
description	
revisions	

ROUTE ONE TEMPORARY MOBILE HOME PARK  
 TAX MAP 43 GRID 14  
 HOWARD COUNTY, MARYLAND  
 SIXTH ELECTION DISTRICT  
 COVER SHEET

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, State 202, Ellicott City, Maryland 21042  
 (410) 997-0296, Fax: (301) 621-5521, Wash. (410) 997-0298 Fax.

**LEGEND**

- FOREST CONSERVATION EASEMENT (RETENTION)
- FOREST CONSERVATION EASEMENT (REFORESTATION)
- DENOTES NUMBER OF PARKING SPACES
- DENOTES PROPOSED SIDEWALK (PROVIDE HO. CO. STD. HANDICAPPED RAMP WHERE APPLICABLE)
- DENOTES PROPOSED PAVING
- DENOTES PROPOSED GRADING
- DENOTES EXISTING GRADING
- DENOTES SOIL LINES
- DENOTES SEWER MAIN
- DENOTES WATER MAIN
- DENOTES BUILDING RESTRICTION LINE
- EXISTING TREE LINE
- PROPOSED TREE LINE
- TRAFFIC DIRECTION
- SUPER SILT FENCE
- LIMIT OF DISTURBANCE
- DENOTES SEWER HOUSE CONNECTIONS
- DENOTES PROPERTY LINE
- DENOTES TRAFFIC JUNCTION BOX
- DENOTES ELECTRIC POLE
- DENOTES GUY WIRE POLE
- DENOTES OVERHEAD ELECTRICAL LINE
- DENOTES EXISTING TREES TO BE REMAIN
- DENOTES EXISTING TREES TO BE REMOVED
- TEMPORARY DIVERSION DAM
- WETLANDS
- STREET LIGHT



**OWNER**  
 JESSUP ROCK, LLC.  
 C/O ROCK REALTY, INC.  
 6800 DEERPATH ROAD, SUITE 100  
 ELKRIDGE, MD 21075  
 (410) 579-2442

**DEVELOPER'S CERTIFICATE**

I 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 NATURAL RESOURCE CONSERVATION SERVICE.

*M. L. Levy* 7/27/07  
 SIGNATURE OF DEVELOPER DATE  
**MALE L. LEVY**  
 PRINTED NAME OF DEVELOPER

**ENGINEER'S CERTIFICATE**  
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND FEASIBLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*R. Jacob Himm* 7/19/07  
 SIGNATURE OF ENGINEER DATE  
**R. JACOB HIKMAT**  
 PRINTED NAME OF ENGINEER

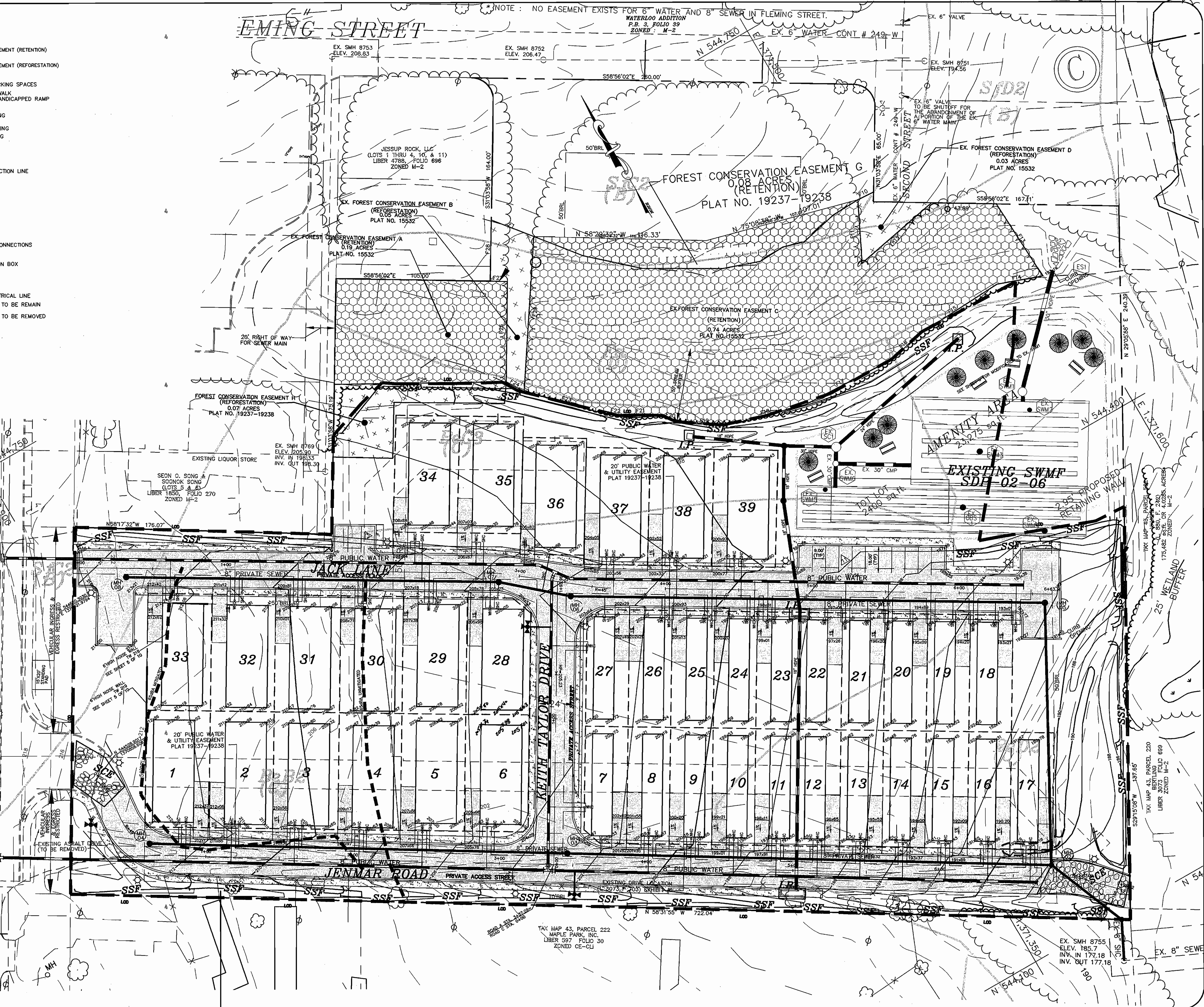
THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*Jan Mymun* 7/24/07  
 USNR - NATURAL RESOURCE CONSERVATION SERVICE DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*Brian P. Peter Beslerman* 7/27/07  
 HOWARD COUNTY HEALTH OFFICER DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
*John L. Winter* 7/24/07  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
*William* 7/27/07  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE  
*Chris* 5/3/0  
 CHIEF, DIVISION OF LAND DEVELOPMENT DATE  
*Paul K. Layne* 8/1/07  
 DIRECTOR DATE

**BALTIMORE WASHINGTON BLVD. - U.S. ROUTE 1**  
 INTERMEDIATE ARTERIAL (150' STATE RIGHT-OF-WAY)

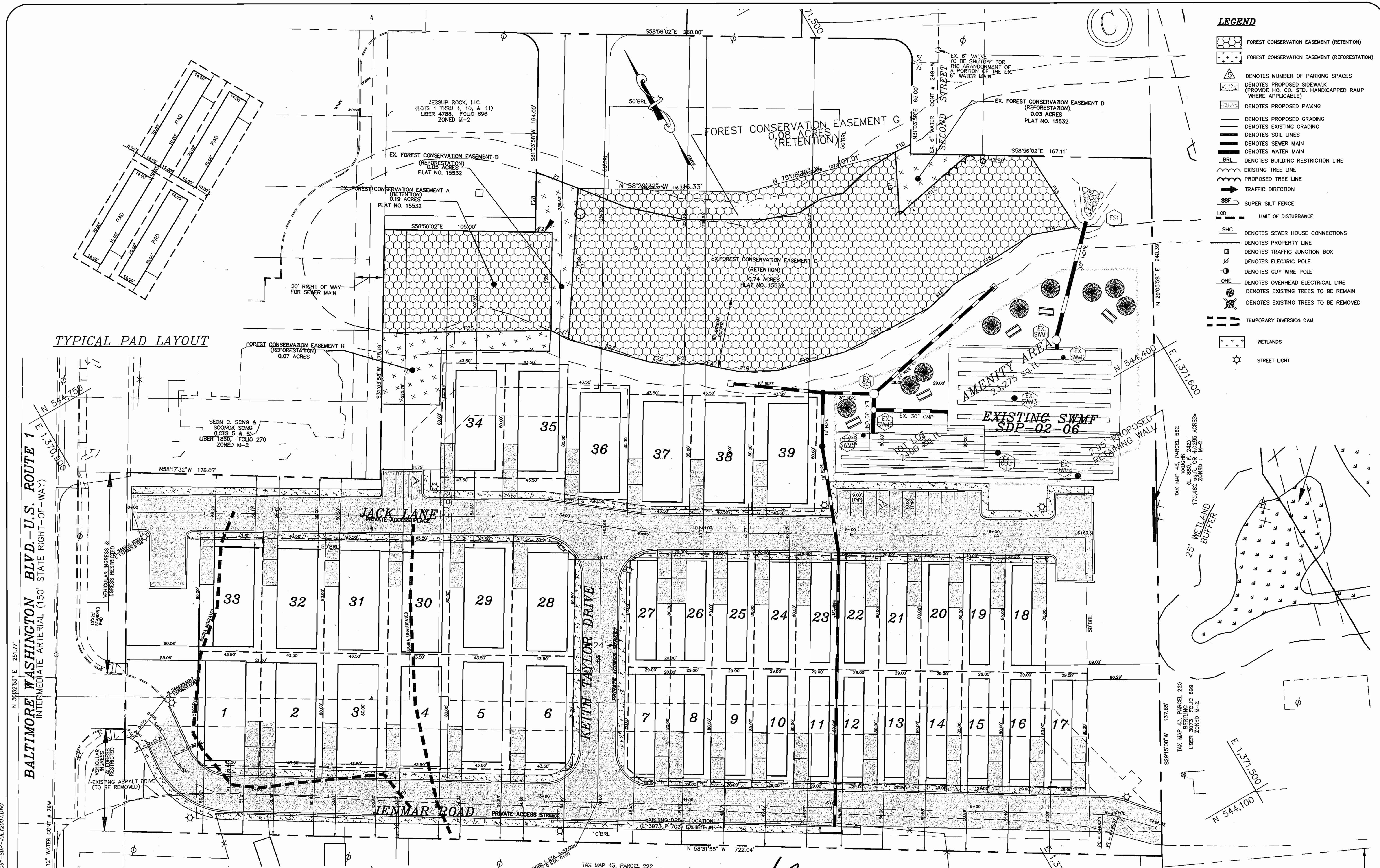


project	98091	date	JULY 2007
illustration	HSP	engineering	HSP
scale	HSP	approval	HSP
no.		revisions	

description	no.	date

**ROUTE ONE TEMPORARY MOBILE HOME PARK**  
 TAX MAP 43 - GRID 14  
 HOWARD COUNTY, MARYLAND  
 SIXTH ELECTION DISTRICT  
**GRADING AND SEDIMENT CONTROL PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042  
 (410) 997-0296 Fax: (410) 997-0298 Fax



- LEGEND**
- FOREST CONSERVATION EASEMENT (RETENTION)
  - FOREST CONSERVATION EASEMENT (REFORESTATION)
  - DENOTES NUMBER OF PARKING SPACES
  - DENOTES PROPOSED SIDEWALK (PROVIDE HO. CO. STD. HANDICAPPED RAMP WHERE APPLICABLE)
  - DENOTES PROPOSED PAVING
  - DENOTES PROPOSED GRADING
  - DENOTES EXISTING GRADING
  - DENOTES SOIL LINES
  - DENOTES SEWER MAIN
  - DENOTES WATER MAIN
  - DENOTES BUILDING RESTRICTION LINE
  - EXISTING TREE LINE
  - PROPOSED TREE LINE
  - TRAFFIC DIRECTION
  - SUPER SILT FENCE
  - LIMIT OF DISTURBANCE
  - DENOTES SEWER HOUSE CONNECTIONS
  - DENOTES PROPERTY LINE
  - DENOTES TRAFFIC JUNCTION BOX
  - DENOTES ELECTRIC POLE
  - DENOTES GUY WIRE POLE
  - DENOTES OVERHEAD ELECTRICAL LINE
  - DENOTES EXISTING TREES TO BE REMAIN
  - DENOTES EXISTING TREES TO BE REMOVED
  - TEMPORARY DIVERSION DAM
  - WETLANDS
  - STREET LIGHT

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

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 DIRECTOR

DATE: 7/24/10  
 DATE: 7/27/10  
 DATE: 8/26/10  
 DATE: 8/26/10

**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 NATURAL RESOURCE CONSERVATION SERVICE.

SIGNATURE OF ENGINEER: R. JACOB HIGMAT  
 PRINTED NAME OF ENGINEER: R. JACOB HIGMAT

DATE: 7/11/10

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

SIGNATURE OF DEVELOPER: Jim Meyer  
 PRINTED NAME OF DEVELOPER: Jim Meyer

DATE: 7/24/10

**DEVELOPER'S CERTIFICATE**  
 I 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 PERSONS ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

SIGNATURE OF DEVELOPER: [Signature]  
 PRINTED NAME OF DEVELOPER: [Name]

DATE: 7/12/10

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 HOWARD COUNTY HEALTH OFFICER: [Signature]  
 DATE: 8/11/10

**OWNER**  
 JESSUP ROCK, LLC.  
 C/O ROCK REALTY, INC.  
 6800 DEERPATH ROAD, SUITE 100  
 ELK RIDGE, MD 21075  
 (410) 579-2442

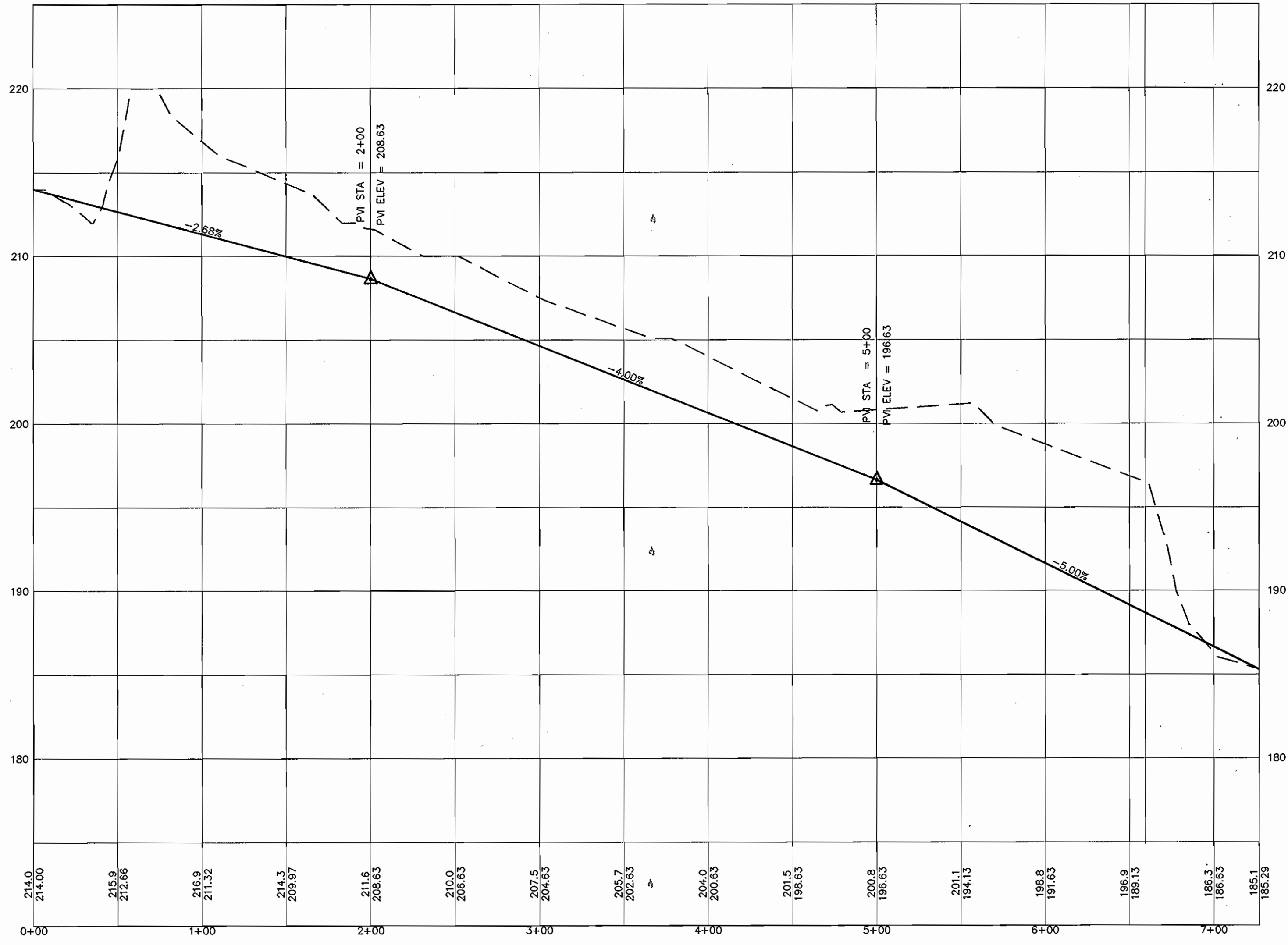


**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsy Hall Drive, Suite 202, Ellicott City, Maryland, 21042  
 (410) 997-0236 Fax, (301) 621-5521 Wash. (410) 997-0998 Fax

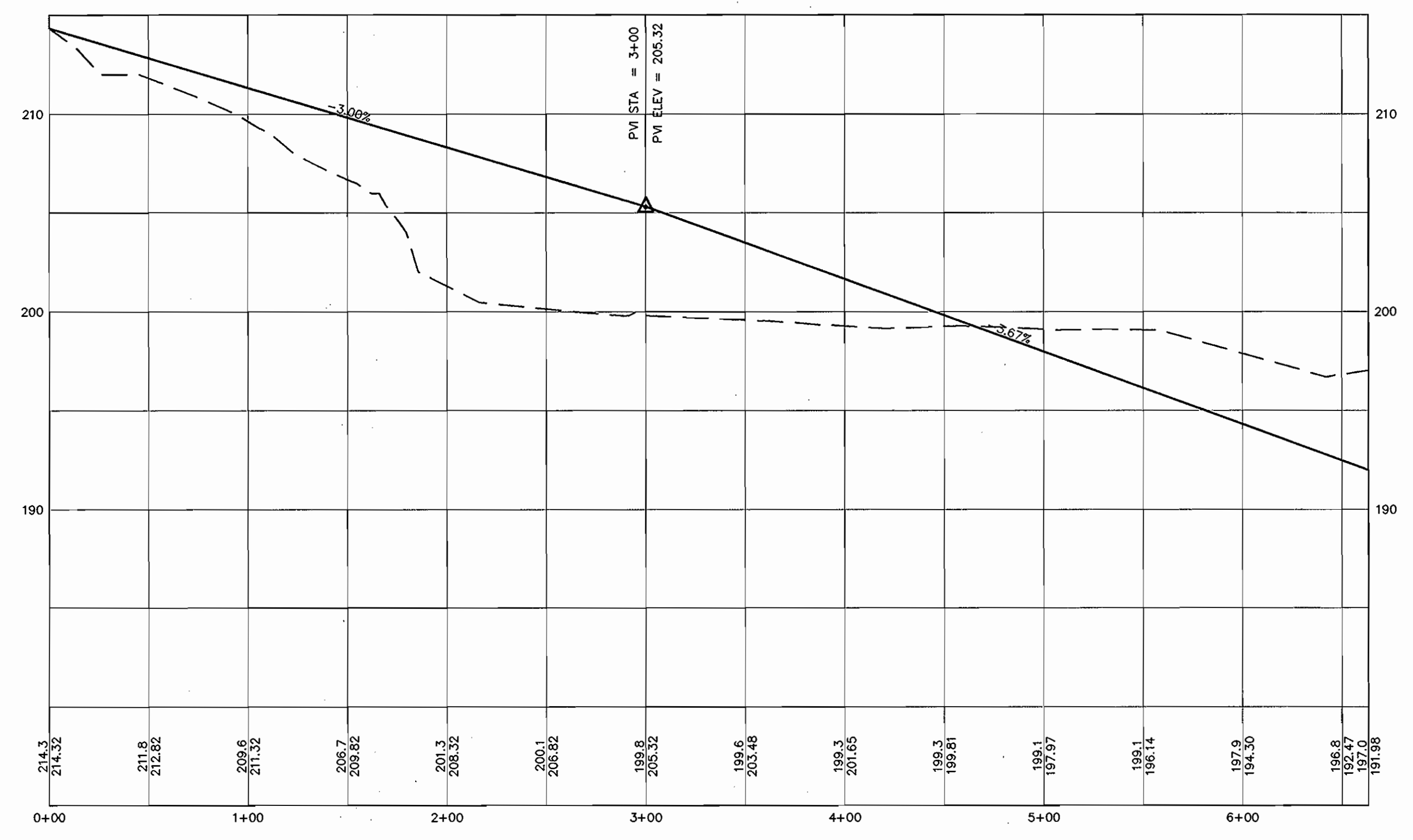
**ROUTE ONE TEMPORARY MOBILE HOME PARK**  
 TAX MAP 42- GRD 14 HOWARD COUNTY, MARYLAND  
 SIXTH ELECTION DISTRICT DIMENSION PLAN

project: 99091  
 illustration: HSP  
 scale: 1"=50'  
 date: JULY 2007  
 engineering: HSP  
 approval: HSP

3 OF 10  
 SDP-06-131

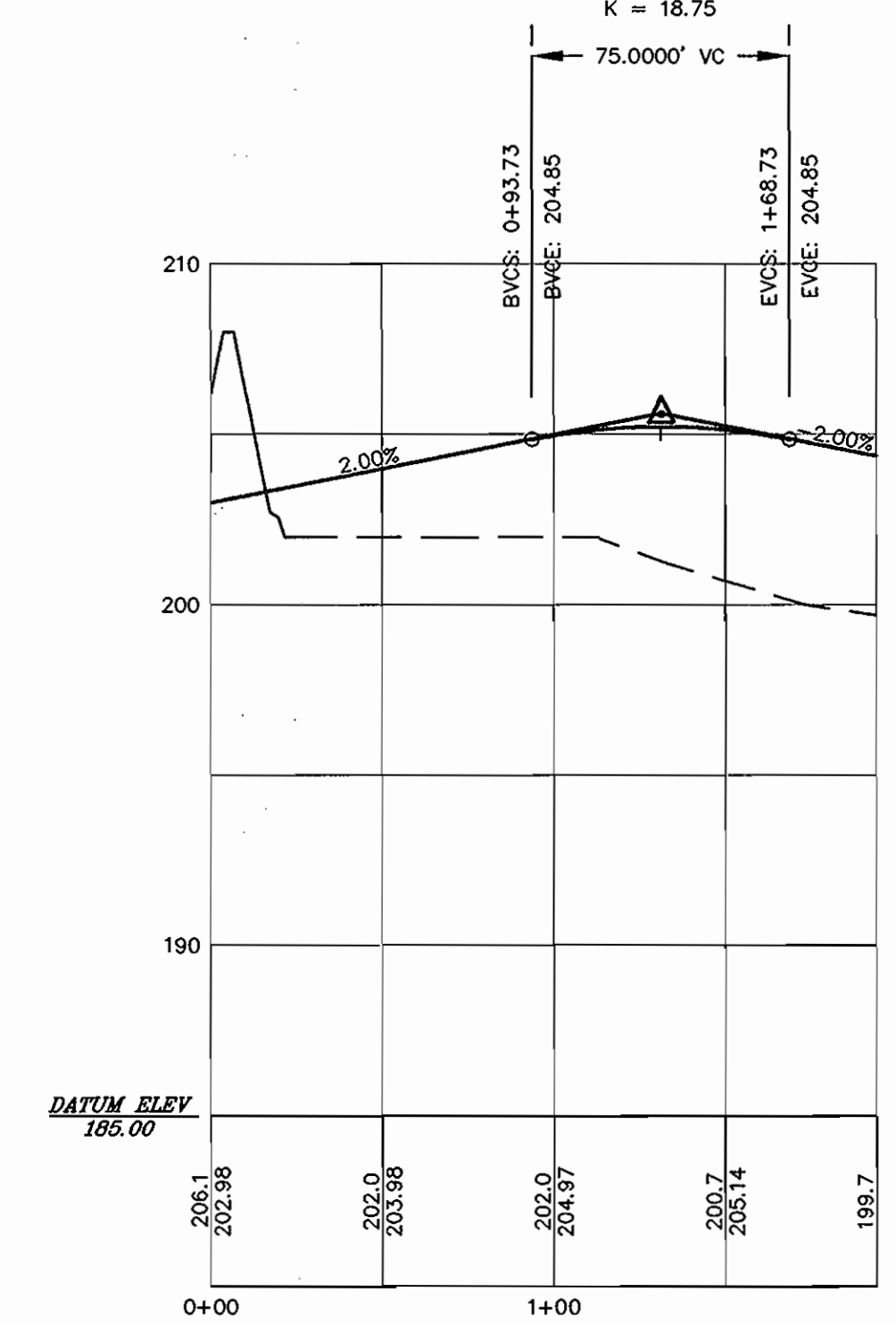


**JENMAR ROAD PROFILE**  
SCALE: HOR. 1"=50'  
VER. 1"=5'

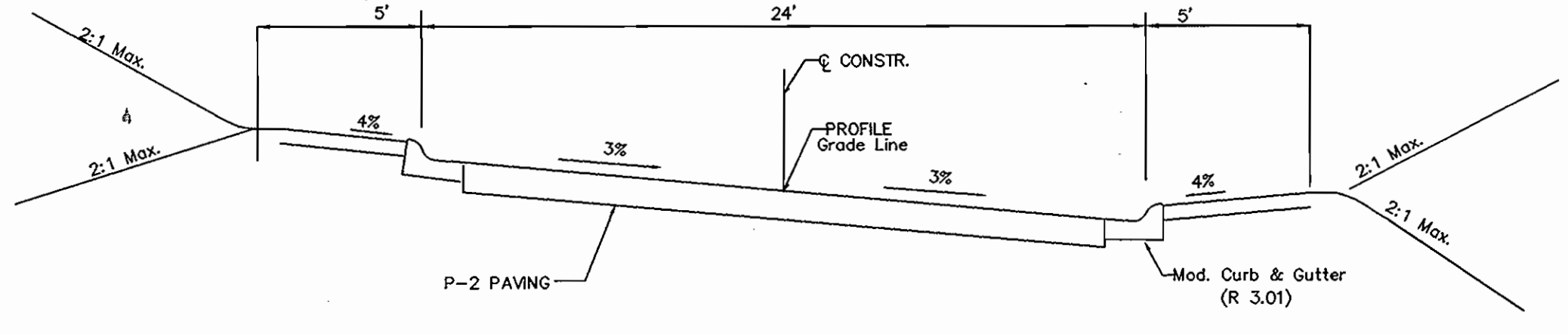


**JACK LANE PROFILE**  
SCALE: HOR. 1"=50'  
VER. 1"=5'

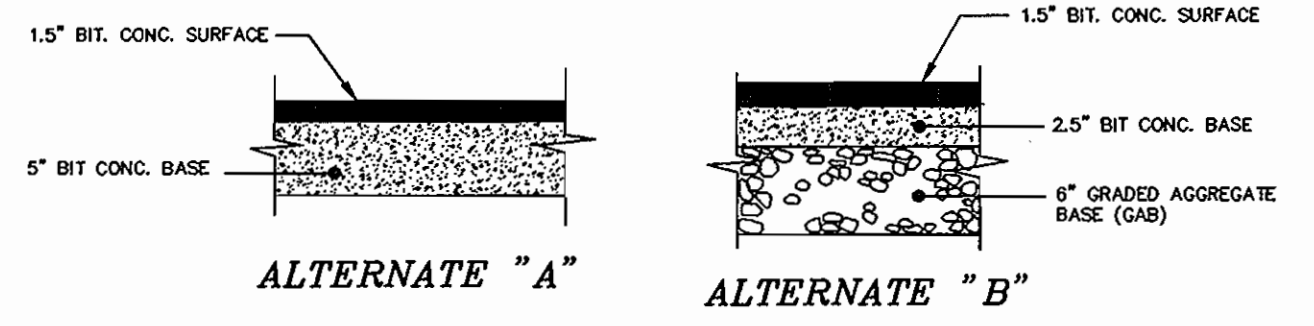
HIGH POINT ELEV = 205.23  
HIGH POINT STA = 1+31.23  
PVI STA = 1+31.23  
PVI ELEV = 205.60  
A.D. = -4.00  
K = 18.75



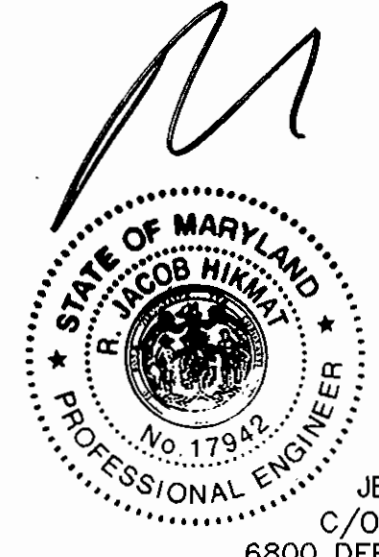
**KEITH TAYLOR DRIVE PROFILE**  
SCALE: HOR. 1"=50'  
VER. 1"=5'



**TYPICAL ROADWAY SECTION**  
CLASSIFICATION: PRIVATE ACCESS PLACE  
DESIGN SPEED: 25 MPH  
SECTION NOT TO SCALE



**TYP. ROADWAY PAVING SECTION**  
N.T.S.



**OWNER**  
JESSUP ROCK, LLC.  
C/O ROCK REALTY, INC.  
6800 DEERPATH ROAD, SUITE 100  
ELK RIDGE, MD 21075  
(410) 579-2442

**DEVELOPERS CERTIFICATE**  
I 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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Developer: *[Signature]* Date: 7/10/07  
Printed Name of Developer: Mike L. King

**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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Engineer: *[Signature]* Date: 7/11/07  
Printed Name of Engineer: R. JACOB HIKMAT

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

USDA - NATURAL RESOURCE CONSERVATION SERVICE Date: *[Signature]*

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
B. N. [Signature] for Peter DeLorenzo 8/11/07 DATE  
HOWARD COUNTY HEALTH OFFICER 8/20/07

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

HOWARD SOIL CONSERVATION DISTRICT Date: *[Signature]*

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
[Signature] 7/22/07 DATE  
CHIEF, DEVELOPMENT ENGINEERING DIVISION  
[Signature] 8/4/07 DATE  
CHIEF, DIVISION OF LAND DEVELOPMENT  
[Signature] 8/21/07 DATE  
DIRECTOR

Project	96091	date	JULY 2007
Illustration	HSP	engineering	HSP
Scale	AS SHOWN	HSP	approval

no.		description	revisions	date

**ROUTE ONE TEMPORARY MOBILE HOME PARK**  
TAX MAP 43 - GRID 14  
HOWARD COUNTY, MARYLAND  
SIXTH ELECTION DISTRICT  
ROAD PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax: (301) 621-5521 Wash. (410) 997-0298 Fax.

**HOWARD SOIL CONSERVATION DISTRICT**

**PERMANENT SEEDING NOTES**

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

SEED 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:

- PREFERABLE - 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 DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS. PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS./1000 SQ.FT.).
- 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 DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS. PER ACRE 1.4 LBS./1000 SQ.FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS. KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS. PER ACRE (.05 LBS./1000 SQ.FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROTECT SITE BY: OPTION (1) - 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING. OPTION (2) - USE SOD. OPTION (3) - SEED WITH 60 LBS./ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRASS 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 SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

**TEMPORARY SEEDING NOTES**

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

SEED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING, FOR NOT PREVIOUSLY LOOSENED.

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

SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS./1000 SQ.FT.) FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (.07 LBS./1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU NOVEMBER 28, PROTECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED WEE FREE SMALL GRASS 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 SLOPES 8 FEET OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR ADDITIONAL STANDARDS AND METHODS NOT COVERED.

**STANDARD SEDIMENT CONTROL NOTES**

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSING AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF MAJOR CONSTRUCTION. (313-3855)
- 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.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: A) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1991 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL, FOR PERMANENT SEEDING (SEC.5), SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC.52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.

**OWNER**

JESSUP ROCK, LLC.  
C/O ROCK REALTY, INC.  
6800 DEERPATH ROAD, SUITE 100  
ELKRIE, MD 21075  
(410) 579-2442

**DEVELOPERS CERTIFICATE**

I CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION OF THE PROJECT WILL BE ADVISED OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENTATION AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]*  
DATE: 7/19/07  
PRINTED NAME OF DEVELOPER: Mark L. Lory

**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 THE INFORMATION PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

*[Signature]*  
DATE: 7/19/07  
SIGNATURE OF ENGINEER: R. JACOB HIXMAT  
PRINTED NAME OF ENGINEER: R. JACOB HIXMAT

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*[Signature]*  
DATE: 7/24/07  
USDA NATURAL RESOURCE CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

*[Signature]*  
DATE: 8/1/07  
HOWARD COUNTY HEALTH OFFICER

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

*[Signature]*  
DATE: 7/24/07  
HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*[Signature]*  
DATE: 7/24/07  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

*[Signature]*  
DATE: 8/6/07  
CHIEF, DIVISION OF LAND DEVELOPMENT

*[Signature]*  
DATE: 8/9/07  
DIRECTOR

- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:  
TOTAL AREA OF SITE: 7.38 ACRES  
AREA DISTURBED: 5.14 ACRES  
AREA TO BE ROOFED OR PAVED: 2.27 ACRES  
AREA TO BE VEGETATIVELY STABILIZED: 2.87 ACRES  
TOTAL CUT: 8,300 CU. YDS.  
TOTAL FILL: 8,300 CU. YDS.  
TOTAL WASTE/BORROW AREA LOCATION: N/A
- THESE QUANTITIES ARE FOR PERMIT PURPOSES ONLY. CONTRACTOR IS REQUIRED TO PROVIDE HIS OWN QUANTITY MEASUREMENTS.
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROL MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

**STANDARD AND SPECIFICATIONS FOR TOPSOIL**

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

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

CONDITIONS WHERE PRACTICE APPLIES  
THIS PRACTICE IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:

- THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH.
- THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS.
- THE ORIGINAL SOIL TO BE VEGETATED CONTAINS MATERIAL TOXIC TO PLANT GROWTH.
- 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**

1. TOPSOIL SALVAGED FROM THE EXISTING SITE MAY BE USED PROVIDED THAT IT MEETS THE STANDARDS AS SET FORTH IN THESE SPECIFICATION. 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:**

- TOPSOIL SHALL BE A LOAM, SANDY LOAM, CLAY LOAM, SILT LOAM, SANDY CLAY LOAM, LOAMY SAND. OTHER SOILS MAY BE USED IF RECOMMENDED BY AN AGRONOMIST OR SOIL SCIENTIST AND APPROVED BY THE APPROPRIATE APPROVAL AUTHORITY. REGARDLESS, TOPSOIL SHALL NOT BE A MIXTURE OF CONTASTING TEXTURED SUBSOILS AND SHALL CONTAIN LESS THAN 5% BY VOLUME OF ONDERS, STONES, SLAG, COARSE FRAGMENTS, GRAVEL, STICKS, ROOTS, TRASH, OR OTHER MATERIALS LARGER THAN 1 1/2" IN DIAMETER.
- TOPSOIL MUST BE FREE OF PLANTS OR PLANT PARTS SUCH AS BERMUDA GRASS, QUACKGRASS, JOHNSON-SOON GRASS, NUTSEDGE, POISON IVY, THISTLE, OR OTHERS AS SPECIFIED.
- WHERE THE SUBSOIL IS EITHER HIGHLY ACIDIC OR COMPOSED OF HEAVY CLAYS, GROUND LIMESTONE SHALL BE SPREAD AT THE RATE OF 4-8 TONS/ACRE (200-400 POUNDS PER 1,000 SQUARE FEET) PRIOR TO THE PLACEMENT OF TOPSOIL. LIME SHALL BE DISTRIBUTED UNIFORMLY OVER DESIGNATED AREAS AND WORKED INTO THE SOIL IN CONJUNCTION WITH TILLAGE OPERATIONS AS DESCRIBED IN THE FOLLOWING PROCEDURES.
- 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.
- FOR SITES HAVING DISTURBED AREAS OVER 5 ACRES:  
I. ON SOIL MEETING TOPSOIL SPECIFICATIONS, OBTAIN TEST RESULTS DICTATING FERTILIZER AND LIME AMENDMENTS REQUIRED TO BRING THE SOIL INTO COMPLIANCE WITH THE FOLLOWING:  
a. pH FOR TOPSOILS SHALL BE BETWEEN 6.0 AND 7.5. IF THE TESTED SOIL DEMONSTRATES A pH OF LESS THAN 6.0, SUFFICIENT LIME SHALL BE PRESCRIBED TO RAISE THE pH TO 6.5 OR HIGHER.  
b. ORGANIC CONTENT OF TOPSOIL SHALL BE NOT LESS THAN 1.5 PERCENT BY WEIGHT.  
c. TOPSOIL HAVING SOLUBLE SALT CONTENT GREATER THAN 500 PARTS PER MILLION SHALL NOT BE USED.  
d. NO SOD OR SEED SHALL BE PLACED ON SOIL WHICH HAS BEEN TREATED WITH SOIL STERILANTS OR CHEMICALS USED FOR WEED CONTROL UNTIL SUFFICIENT TIME HAS ELAPSED (14 DAYS MIN.) TO PERMIT DISSIPATION OF PHYTO-TOXIC MATERIALS.

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

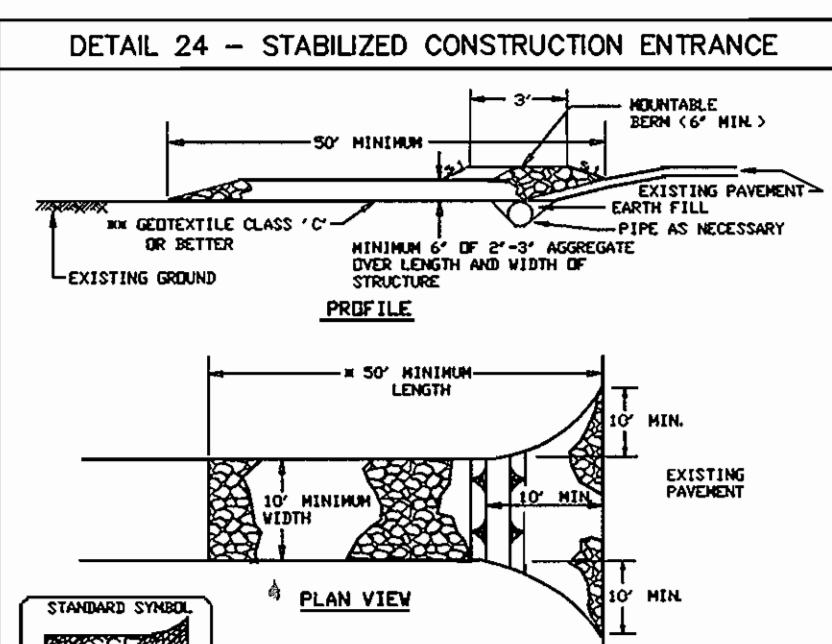
II. PLACE TOPSOIL (IF REQUIRED) AND APPLY SOIL AMENDMENTS AS SPECIFIED IN 20.0 VEGETATIVE STABILIZATION - SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS.

**TOPSOIL APPLICATION**

- WHEN TOPSOILING, MAINTAIN NEEDED EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS, GRADE STABILIZATION STRUCTURES, EARTH DIKES, SLOPE SILT FENCE AND SEDIMENT TRAPS AND BASINS.
- GRADES ON THE AREAS TO BE TOPSOILED, WHICH HAVE BEEN PREVIOUSLY ESTABLISHED, SHALL BE MAINTAINED, ALBERT 4" - 8" HIGHER IN ELEVATION.
- TOPSOIL SHALL BE UNIFORMLY DISTRIBUTED IN A 4" TO 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 PLACED WHILE THE TOPSOIL OR SUBSOIL IS IN A FROZEN OR MUDDY CONDITION, WHEN THE SUBSOIL IS EXCESSIVELY WET OR IN A CONDITION THAT MAY OTHERWISE BE DETRIMENTAL TO PROPER GRADING AND SEEDBED PREPARATION.

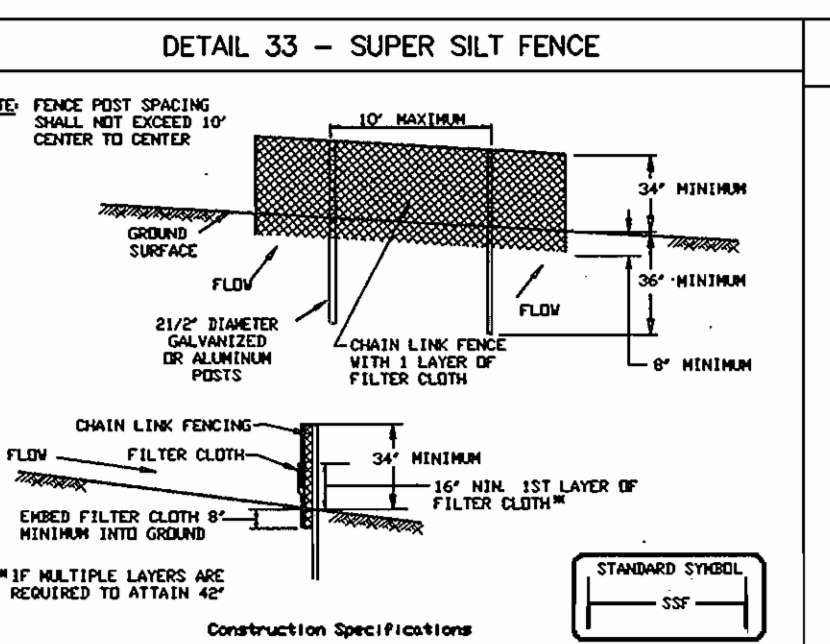
**SCHEDULE**

H	S	D	d	POST SIZE
6	8'	4'	16"	8"x8"



**Construction Specifications**

- Length - minimum of 50' (450' for single residence lots).
- Width - 10' minimum, should be flared at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. After site approval authority may not require single family residence to use geotextile.
- Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface water - all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5' to 6" aggregate and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the size is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
- Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.



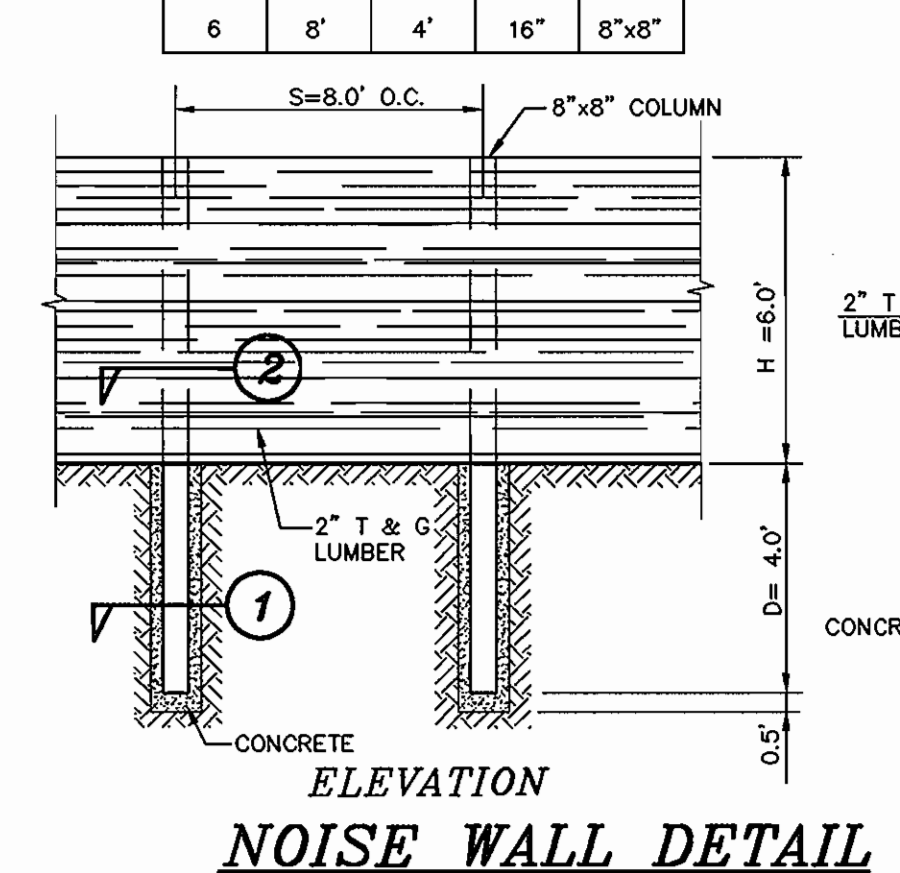
**Construction Specifications**

- Fencing shall be 42" in height and constructed in accordance with the latest Howard County Highway Details for Chain Link Fencing. The specification for a 6' fence shall be used, substituting 42" fabric and 6' length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The lower tension wire, brace and struss rods, drive anchors and post caps are not required except on the ends of the fence.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 6" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt boulders removed when "bulges" develop in the silt fence, or when it reaches 50% of fence height.
- Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class E:  
Tensile Strength: 50 lbs/in. (min.) Test: MHT 509  
Tensile Elongation: 20 lbs/in. (min.) Test: MHT 509  
Flow Rate: 0.3 gal/minute (max.) Test: MHT 332  
Filtering Efficiency: 75% (min.) Test: MHT 332

**SUPER SILT FENCE**

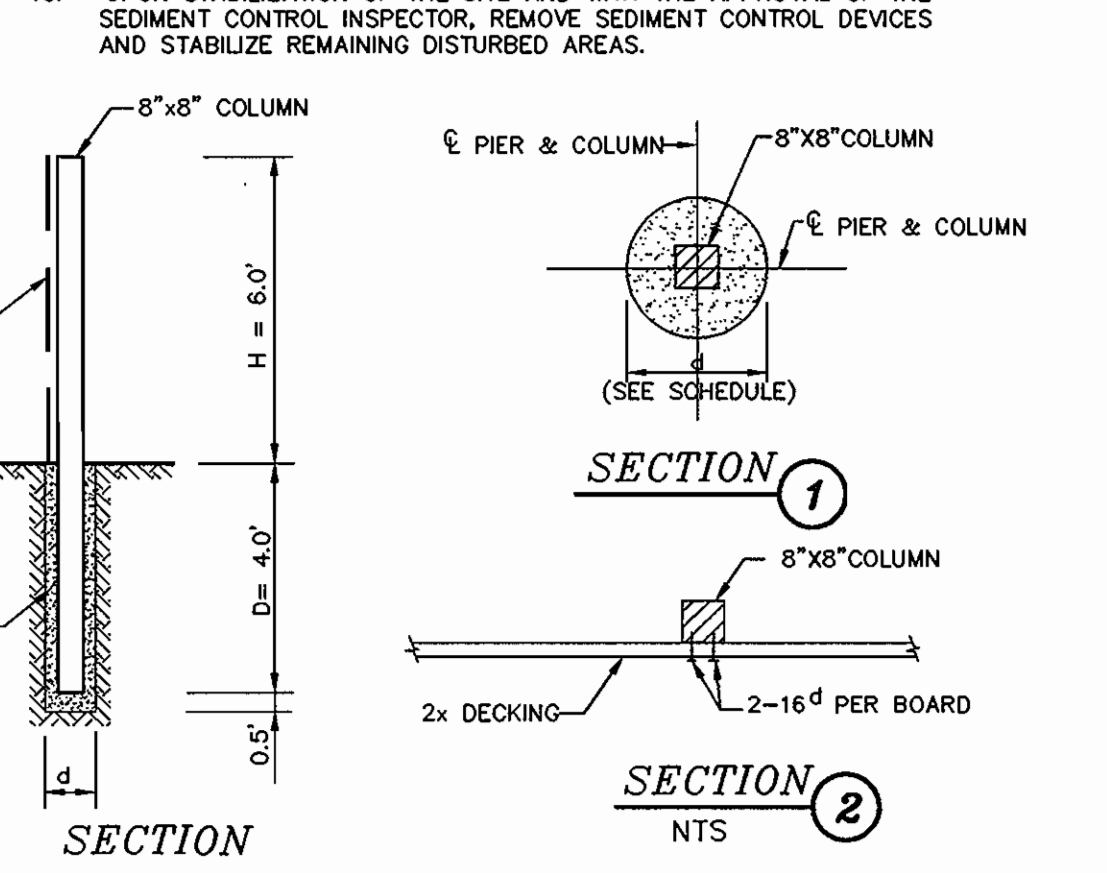
Design Criteria

Slope	Slope Steepness	Slope Length (Maximum)	Silt Fence Length (Maximum)
0 - 10%	0 - 10:1	Unlimited	Unlimited
10 - 20%	10:1 - 5:1	500 Feet	1,500 Feet
20 - 30%	5:1 - 3:1	100 Feet	1,000 Feet
33 - 50%	3:1 - 2:1	100 Feet	500 Feet
50% +	2:1 +	50 Feet	250 Feet



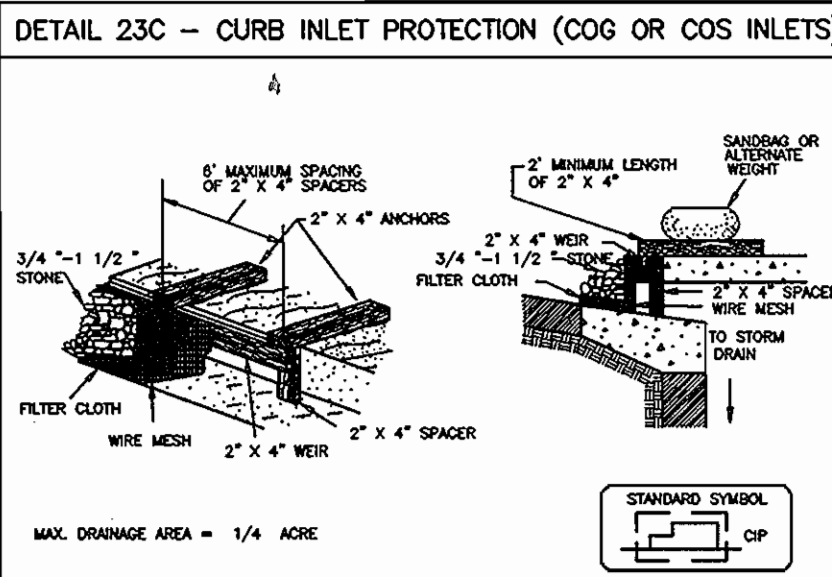
**NOTES:**

- GENERAL:  
A. HEIGHT OF BARRIER SHALL BE BASED ON ACOUSTIC REQUIREMENTS.  
B. BARRIER WALLS HAVING A HEIGHT (H) NOT INDICATED IN THE TABLES SHALL BE CONSTRUCTED AS SHOWN IN THE HIGHER HEIGHT CATEGORY.
- SIDING:  
A. 2 INCH WOOD DECKING MATERIAL SHALL BE UTILIZED TO SPAN HORIZONTALLY BETWEEN POSTS. DESIGN CRITERIA IS BASED ON AN INCREASE IN STRESS FOR WIND LOADS AS CONSIDERED APPROPRIATE. DECKING SHALL BE MC15.  
B. SIDING IN CONTACT WITH THE GROUND AND FOR A DISTANCE OF 6" ABOVE GRADE SHALL BE TREATED WITH WOOD PRESERVATIVE.
- POST: ALLOWABLE BENDING STRESS OF 1400 LBS. PER SQ.IN. AND A 33 1/3% INCREASE FOR WIND LOADS AS CONSIDERED APPROPRIATE. DESIGN CRITERIA IS BASED ON AN ALLOWABLE BENDING STRESS OF 1400 LBS. PER SQ. IN. AND A 33 1/3% INCREASE FOR WIND LOAD.  
B. POST EMBEDDED IN CONCRETE SHALL BE TREATED WITH A WOOD PRESERVATIVE IN THE AREA OF EMBEDMENT AND 12" ABOVE GRADE.
- CONCRETE:  
A. CONCRETE IN THE PIERS SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 2500 LBS. PER SQ. IN.  
B. CONCRETE SHALL BE PLACED IN DRILLED PIERS UTILIZING THE EARTH AS THE FORMS.



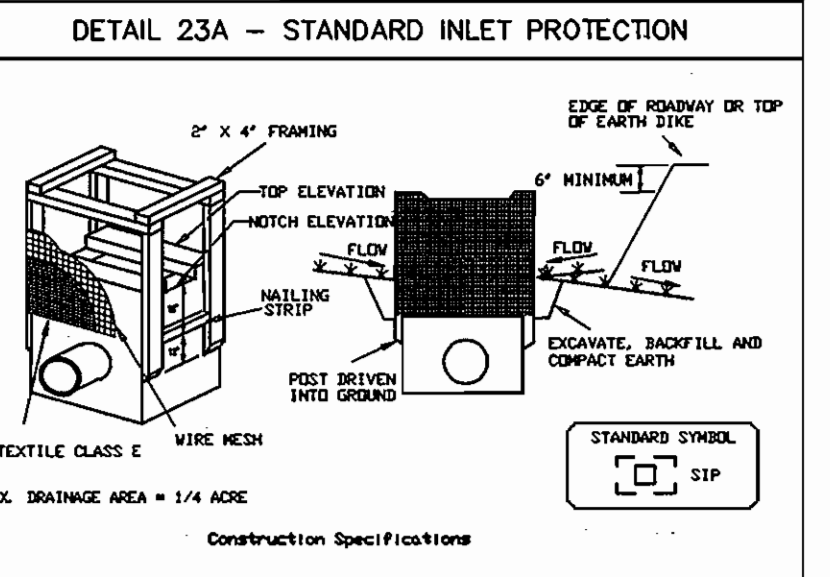
5. FOUNDATIONS:  
A. THE DRILLED PIERS HAVE BEEN DESIGNED UTILIZING AN ALLOWABLE PASSIVE PRESSURE OF 300 LBS. PER SQ. FT. AND THE FOLLOWING FORMULA:  $P = \frac{14.52M}{1/3} \times \frac{1}{3}$   
M = MOMENT AT TOP OF DRILLED PIER (FT/LBS)  
P = ALLOWABLE PASSIVE PRESSURE (300 LBS PER SQ.FT.)  
D = DIAMETER OF PIER (FT.)  
D = DEPTH OF PIER (FT.)

- ALTERNATIVE #1 (PRESERVATIVE TREATMENT) ALTERNATIVE #1 REPRESENTS THE ADDITIONAL COST FACTOR FOR TREATING THE BASIC WOOD STRUCTURE INDICATED ON THIS REFERENCE PLAN. THE NECESSITY FOR TREATMENT AND THE TYPE OF PRESERVATIVE WILL BE SUBJECT TO LOCAL CONDITIONS. ALL TREATMENTS SHALL CONFORM TO ANPA STD C-14.
- ALTERNATIVE #2 (PAINTING) ALTERNATIVE #2 REPRESENTS THE ADDITIONAL COST FACTOR REQUIRED TO PAINT ONE SIDE OF THE BASIC WOOD STRUCTURE SHOWN ON THIS REFERENCE PLAN. PAINTING SHALL CONSIST OF 3 APPLICATIONS OF PAINT. 2 COATS OF LATEX BASE PAINT CONFORMING TO FEDERAL SPECIFICATION TT-P-009966 SHALL BE APPLIED OVER PRIMER COAT CONFORMING TO FEDERAL SPECIFICATION TT-P-00250.
- ALTERNATIVE #3 (STAINING) ALTERNATIVE #3 REPRESENTS THE ADDITIONAL COST FACTOR REQUIRED TO STAIN ONE SIDE OF BASIC WOOD STRUCTURE. STAIN SHALL CONSIST OF 2 COATS OF SEMI-TRANSPARENT SEALER STAIN APPLIED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.



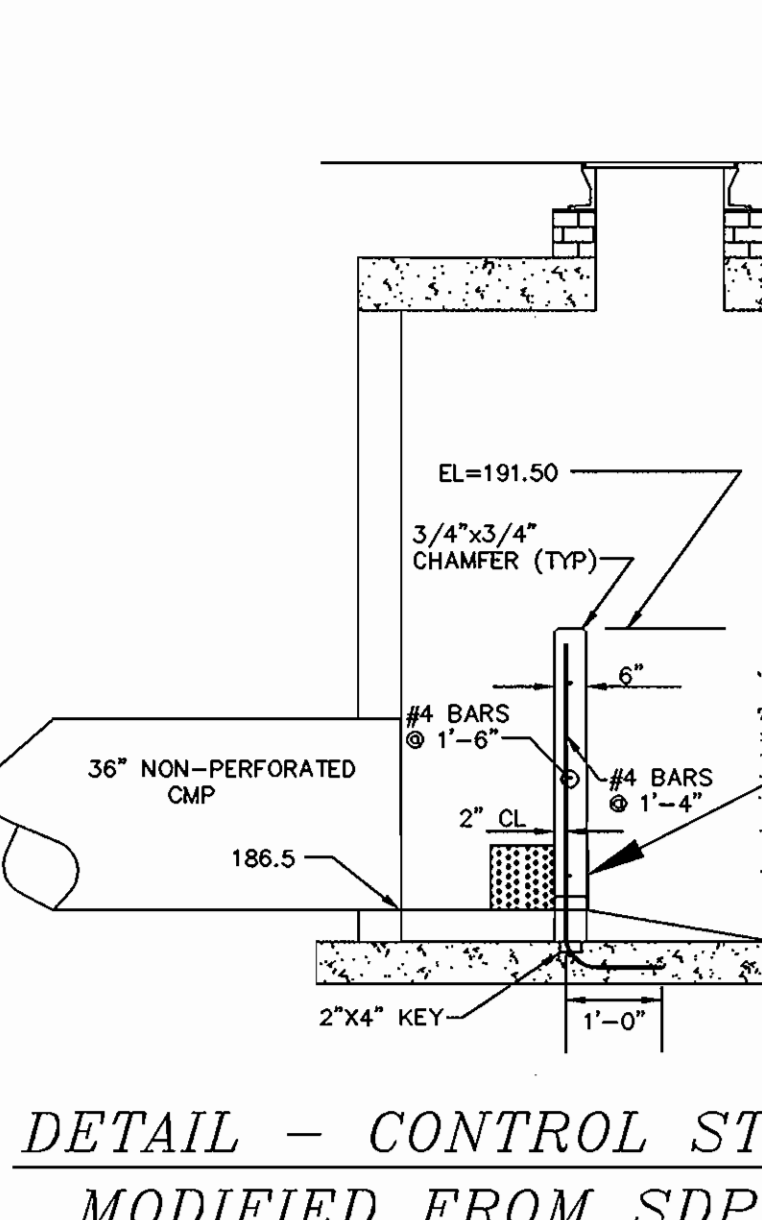
**Construction Specifications**

- Attach a continuous piece of wire mesh (30" minimum width by throat length plus 4") to the 2' x 4" wire (anchoring throat length plus 4") as shown on the standard drawing.
- Place a continuous piece of Geotextile Class E of the same dimensions as the wire mesh over the wire mesh and position it in such a manner to prevent water from entering the inlet under or around the geotextile.
- Securely nail the 2' x 4" wire to a 3" long vertical support to be located between the wire and the inlet face (max. 4" apart).
- Place the assembly against the inlet throat and nail (minimum 2" lengths of 2" x 4" to the top of the wire at anchor locations). These 2" x 4" anchors shall extend across the inlet top and be held in place by sandbags or alternate weight.
- The assembly shall be placed so that the end appears a minimum 1" beyond both ends of the throat opening.
- Form the 1/2" x 1/2" wire mesh and the geotextile fabric to the concrete gutter and against the face of the curb on both sides of the inlet. Place curb 3/4" x 1/2" stone over the wire mesh and geotextile in such a manner to prevent water from entering the inlet under or around the geotextile.
- This type of protection must be inspected frequently and the filter cloth and stone replaced when clogged with sediment.
- Assure that storm flow does not bypass the inlet by installing a temporary or asphalt curb to direct the flow to the inlet.

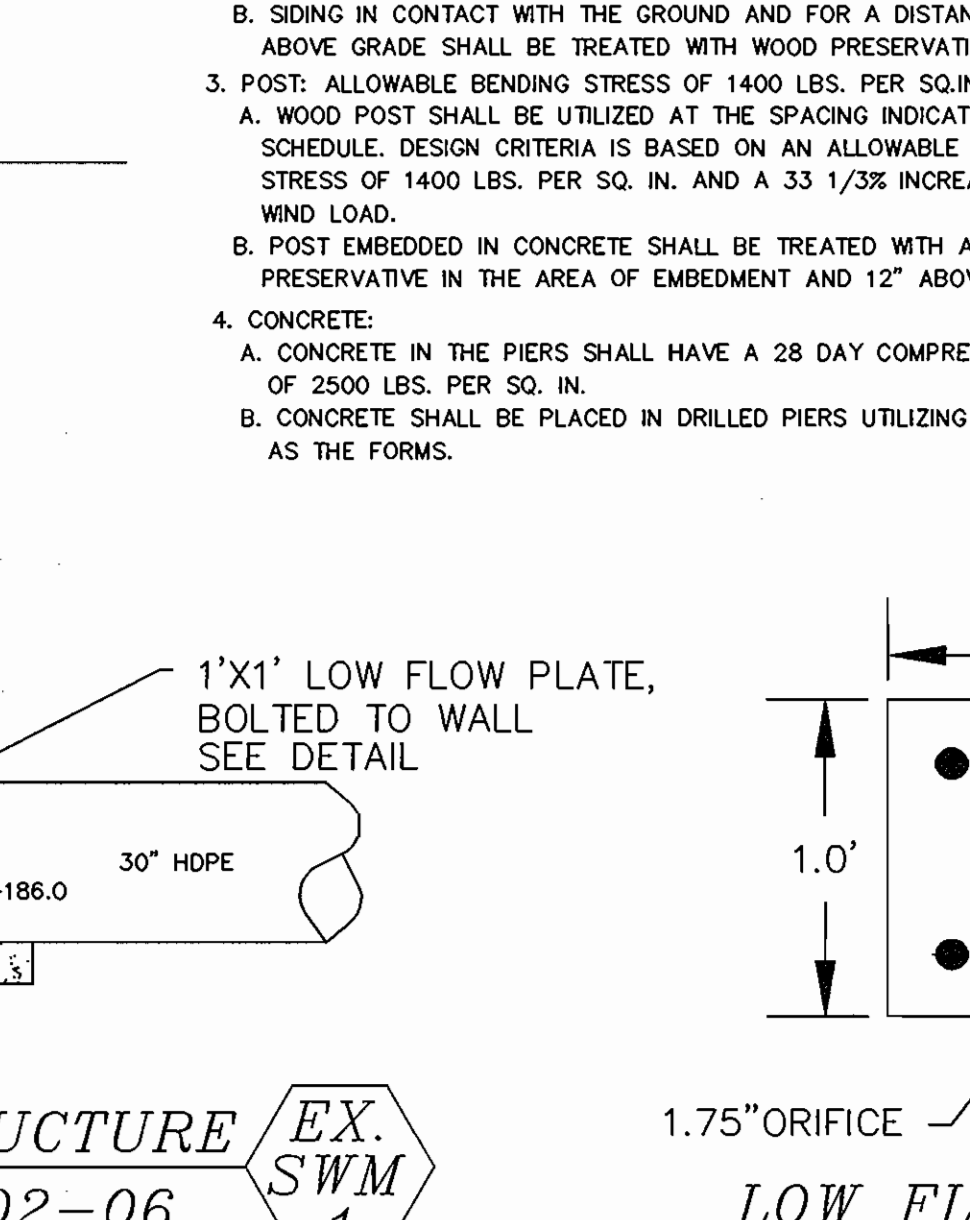


**Construction Specifications**

- Excavate completely around the inlet to a depth of 18" below the inlet elevation.
- Drive the 2' x 4" construction grade lumber posts 1' into the ground at each corner of the inlet. Place nail strips between the posts on the ends of the inlet. Assemble the top portion of the 2' x 4" frame using the overlap joints shown on detail 23A. The ends of the geotextile must be 6" below adjacent roadways where flooding and safety issues may arise.
- Stretch the 1/2" x 1/2" wire mesh tightly around the frame and fasten securely. The ends must meet and overlap a 6" post.
- Stretch the Geotextile Class E tightly over the wire mesh with the geotextile extending from the top of the frame to 18" below the inlet notch elevation. Fasten the geotextile firmly to the frame. The ends of the geotextile must be 6" below adjacent roadways where flooding and safety issues may arise.
- Backfill around the inlet in compacted 6" layers until the layer of earth is level with the inlet elevation on the ends and top elevation on the sides.
- If the inlet is not in a ramp, construct a compacted earth dike across the ditch line directly below it. The top of the earth dike should be at least 6" higher than the top of the frame.
- The structure must be inspected periodically and after each rain and the geotextile replaced when it becomes clogged.



**DETAIL - CONTROL STRUCTURE**  
MODIFIED FROM SDP-02-06



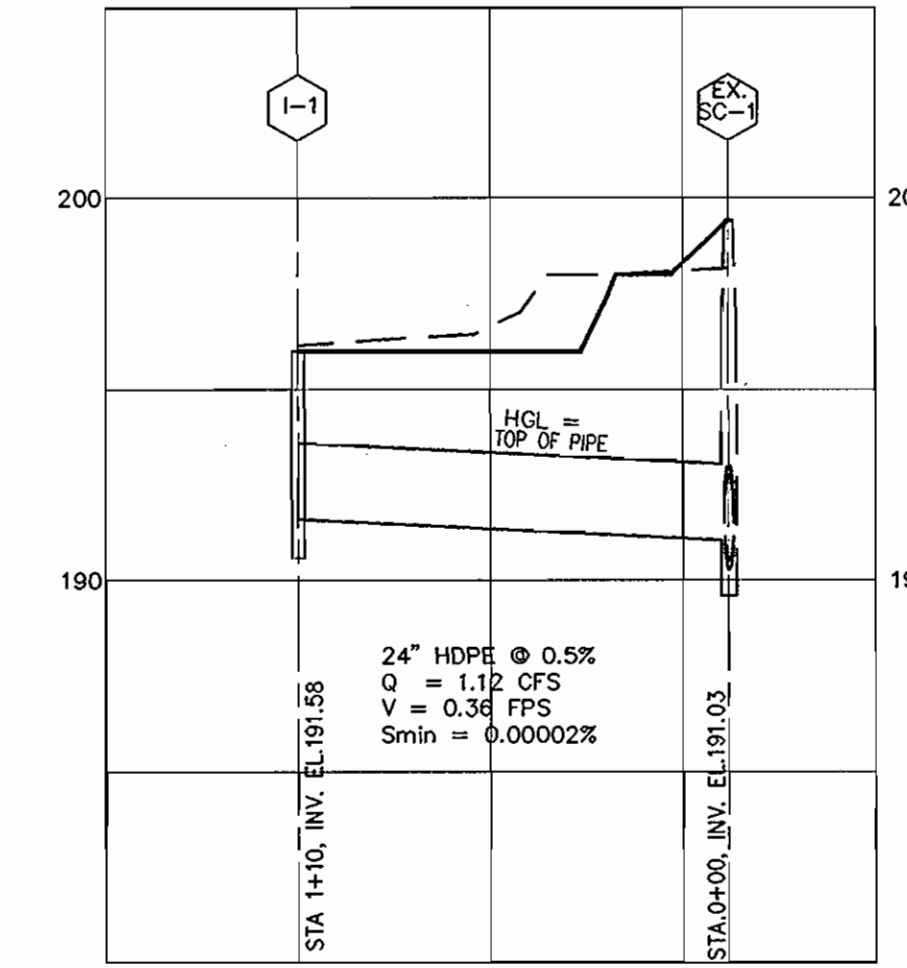
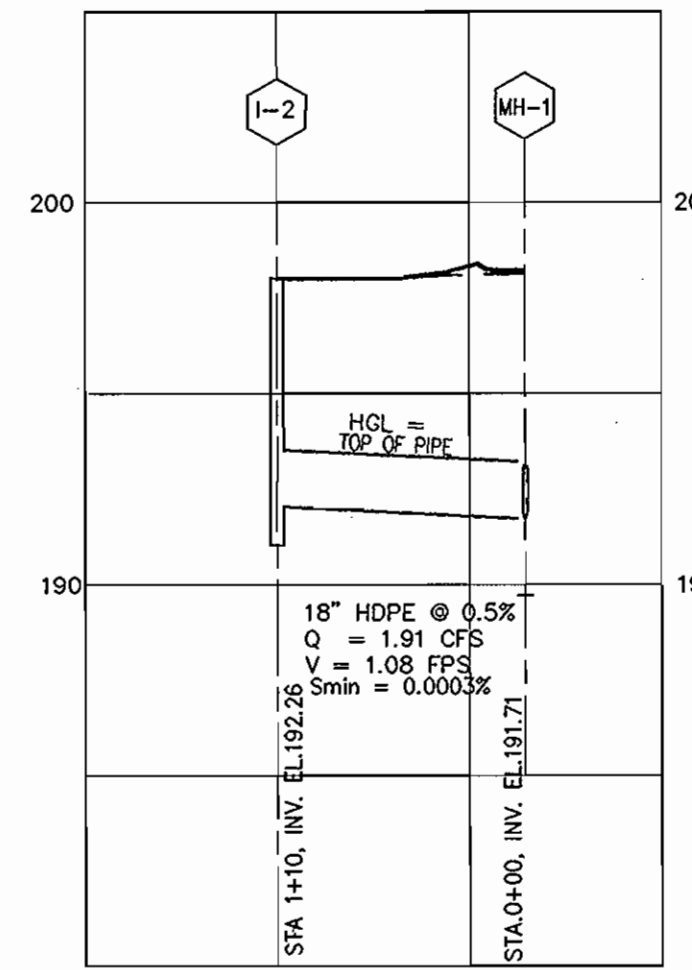
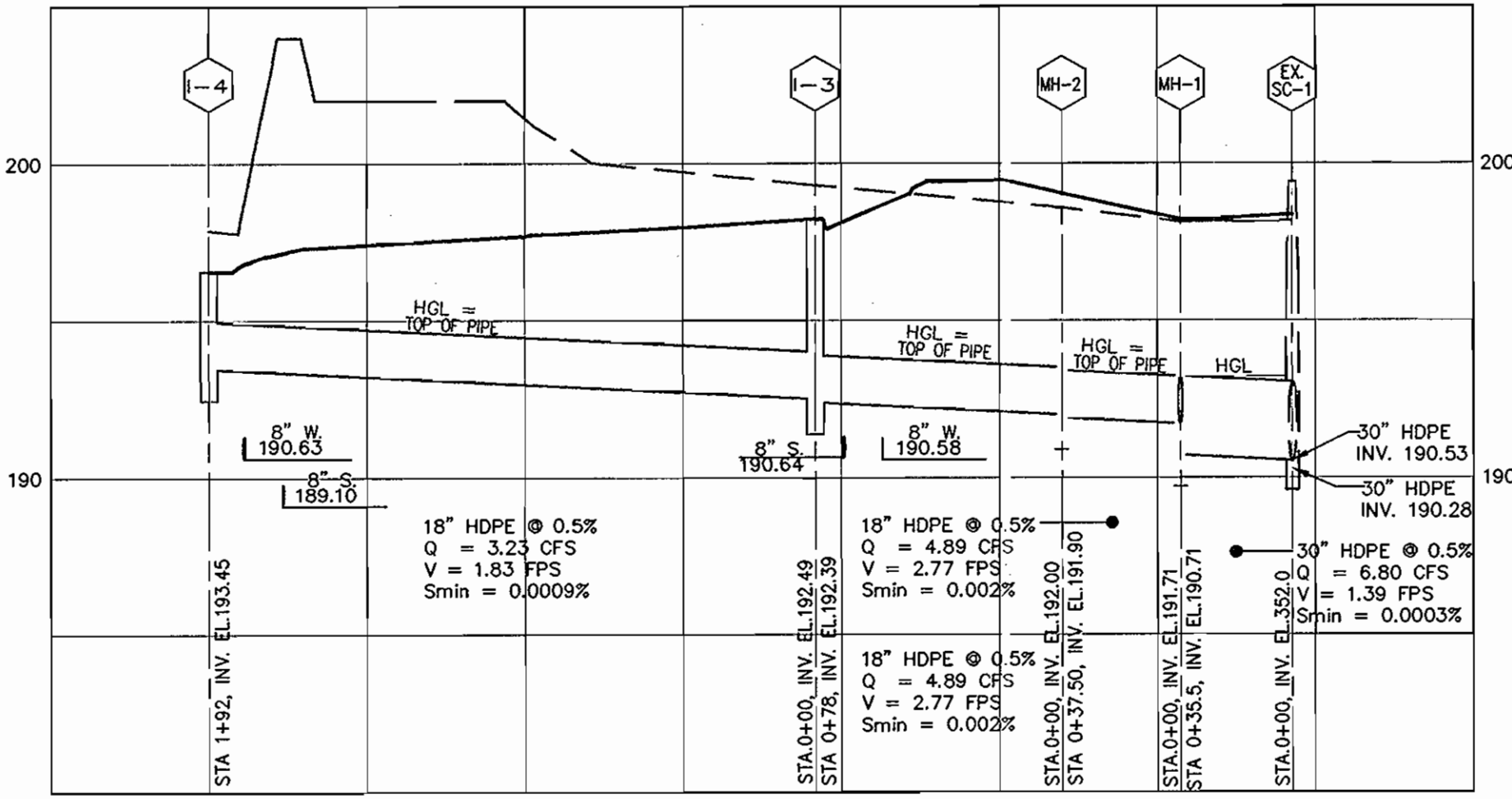
**LOW FLOW PLATE**

Project: 98091  
Date: JULY 2007  
Illustration: engineering  
Scale: HSP  
Approval: HSP  
AS SHOWN

description: revisions  
no.

ROUTE ONE TEMPORARY MOBILE HOME PARK  
TAX MAP 43 - GRID 14  
HOWARD COUNTY, MARYLAND  
SIXTH ELECTION DISTRICT  
SEDIMENT CONTROL NOTES & DETAILS

MILDENBERG, BOENDER & ASSOC., INC.  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland, 21042  
(410) 997-0296 Fax (410) 621-5521 Wash. (410) 997-0296 Fax



**STORM DRAIN PROFILE I-4 TO EX. SC-1**  
SCALE: HOR. 1"=50' VER. 1"=5'

**STORM DRAIN PROFILE I-2 TO M-1**  
SCALE: HOR. 1"=50' VER. 1"=5'

**STORM DRAIN PROFILE I-1 TO EX. SC-1**  
SCALE: HOR. 1"=50' VER. 1"=5'

**PIPE SCHEDULE**

QUANTITY	PIPE SIZE
418	18" HDPE
110	24" HDPE
36	30" HDPE

**STRUCTURE SCHEDULE**

NO.	LOCATION	TOP**	INV. IN	INV. OUT	COMMENTS
I-1	N544496.24 E1371518.96	195.61	----	191.58	YARD INLET (HO. CO. STD SD-4.14) - SUMP
I-2	N544529.54 E1371326.91	198.00	----	192.26	YARD INLET (HO. CO. STD SD-4.14) - SUMP
I-3	N544387.22 E1371331.08	198.22	----	192.39	INLET TYPE A-10 (HO. CO. STD SD 4.41)
I-4	N544222.60 E1371232.64	196.57	----	193.45	INLET TYPE A-15 (HO. CO. STD SD-4.41)
MH-1	N544491.82 E1371379.26	198.21	191.71	190.71	MH (HO. CO. STD G 5.01)
MH-2	N544459.66 E1371360.03	199.03	192.00	191.90	MH (HO. CO. STD G 5.01)

\*\* ELEVATIONS MEASURED TO CENTER OF ALL INLETS.

**OWNER**  
JESSUP ROCK, LLC.  
C/O ROCK REALTY, INC.  
6800 DEERPATH ROAD, SUITE 100  
ELKRIDGE, MD 21075  
(410) 579-2442

**DEVELOPER'S CERTIFICATE**

I 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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Developer: *[Signature]* DATE: 7/16/07  
Printed Name of Developer: *[Name]*

**ENGINEER'S CERTIFICATE**

I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A FEASIBLE AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATURAL RESOURCE CONSERVATION SERVICE.

Signature of Engineer: *[Signature]* DATE: 7/11/07  
Printed Name of Engineer: R. JACOB HIKMAT

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

USDA - NATURAL RESOURCE CONSERVATION SERVICE DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
Signature: *[Signature]* DATE: 8/1/07

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

HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
Signature: *[Signature]* DATE: 7/27/07

Signature: *[Signature]* DATE: 8/6/07

Signature: *[Signature]* DATE: 8/9/07



project	98091	date	JULY 2007
illustration	HSP	engineering	HSP
scale	AS SHOWN	approval	HSP

description	revisions	date

**ROUTE ONE TEMPORARY MOBILE HOME PARK**  
TAX MAP 43 - GRID 14  
HOWARD COUNTY, MARYLAND  
SIXTH ELECTION DISTRICT  
STORM DRAIN PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax: (301) 821-5521 Wash. (410) 997-0298 Fax.

**LEGEND**

- FOREST CONSERVATION EASEMENT (RETENTION)
- FOREST CONSERVATION EASEMENT (REFORESTATION)
- DENOTES NUMBER OF PARKING SPACES
- DENOTES PROPOSED SIDEWALK (PROVIDE HO. CO. STD. HANDICAPPED RAMP WHERE APPLICABLE)
- DENOTES PROPOSED PAVING
- DENOTES PROPOSED GRADING
- DENOTES EXISTING GRADING
- DENOTES SOIL LINES
- DENOTES SEWER MAIN
- DENOTES WATER MAIN
- DENOTES BUILDING RESTRICTION LINE
- EXISTING TREE LINE
- PROPOSED TREE LINE
- TRAFFIC DIRECTION
- SUPER SILT FENCE
- LIMIT OF DISTURBANCE
- DENOTES SEWER HOUSE CONNECTIONS
- DENOTES PROPERTY LINE
- DENOTES TRAFFIC JUNCTION BOX
- DENOTES ELECTRIC POLE
- DENOTES GUY WIRE POLE
- DENOTES OVERHEAD ELECTRICAL LINE
- DENOTES EXISTING TREES TO BE REMAIN
- DENOTES EXISTING TREES TO BE REMOVED
- TEMPORARY DIVERSION DAM
- WETLANDS
- STREET LIGHT

**OWNER**  
 JESSUP ROCK, LLC  
 C/O ROCK REALTY, INC.  
 6800 DEERPATH ROAD, SUITE 100  
 ELKRIDGE, MD 21075  
 (410) 579-2442

**DEVELOPERS CERTIFICATE**

I 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 NATURAL RESOURCE CONSERVATION SERVICE.

SIGNATURE OF DEVELOPER: *[Signature]* DATE: 7/10/07  
 PRINTED NAME OF DEVELOPER: Anne L. Leary

**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 NATURAL RESOURCE CONSERVATION SERVICE.

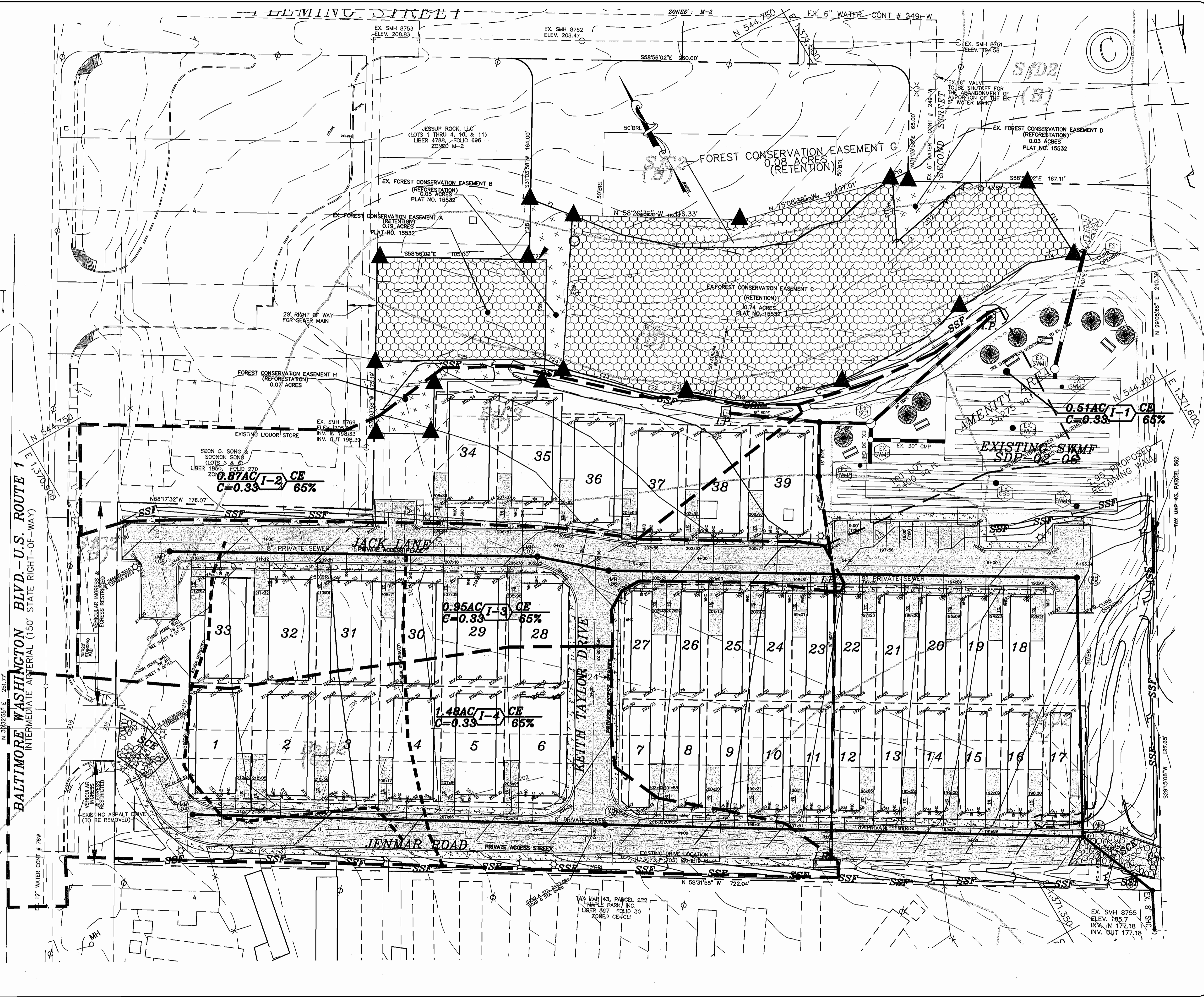
SIGNATURE OF ENGINEER: *[Signature]* DATE: 7/11/07  
 PRINTED NAME OF ENGINEER: R. JACOB HIKMAT

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS: *[Signature]* DATE: 7/24/07  
 HOWARD COUNTY HEALTH DEPARTMENT: *[Signature]* DATE: 8/16/07  
 HOWARD COUNTY HEALTH OFFICER: *[Signature]* DATE: 8/16/07

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

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION: *[Signature]* DATE: 7/23/07  
 CHIEF, DIVISION OF LAND DEVELOPMENT: *[Signature]* DATE: 8/16/07  
 DIRECTOR: *[Signature]* DATE: 8/16/07

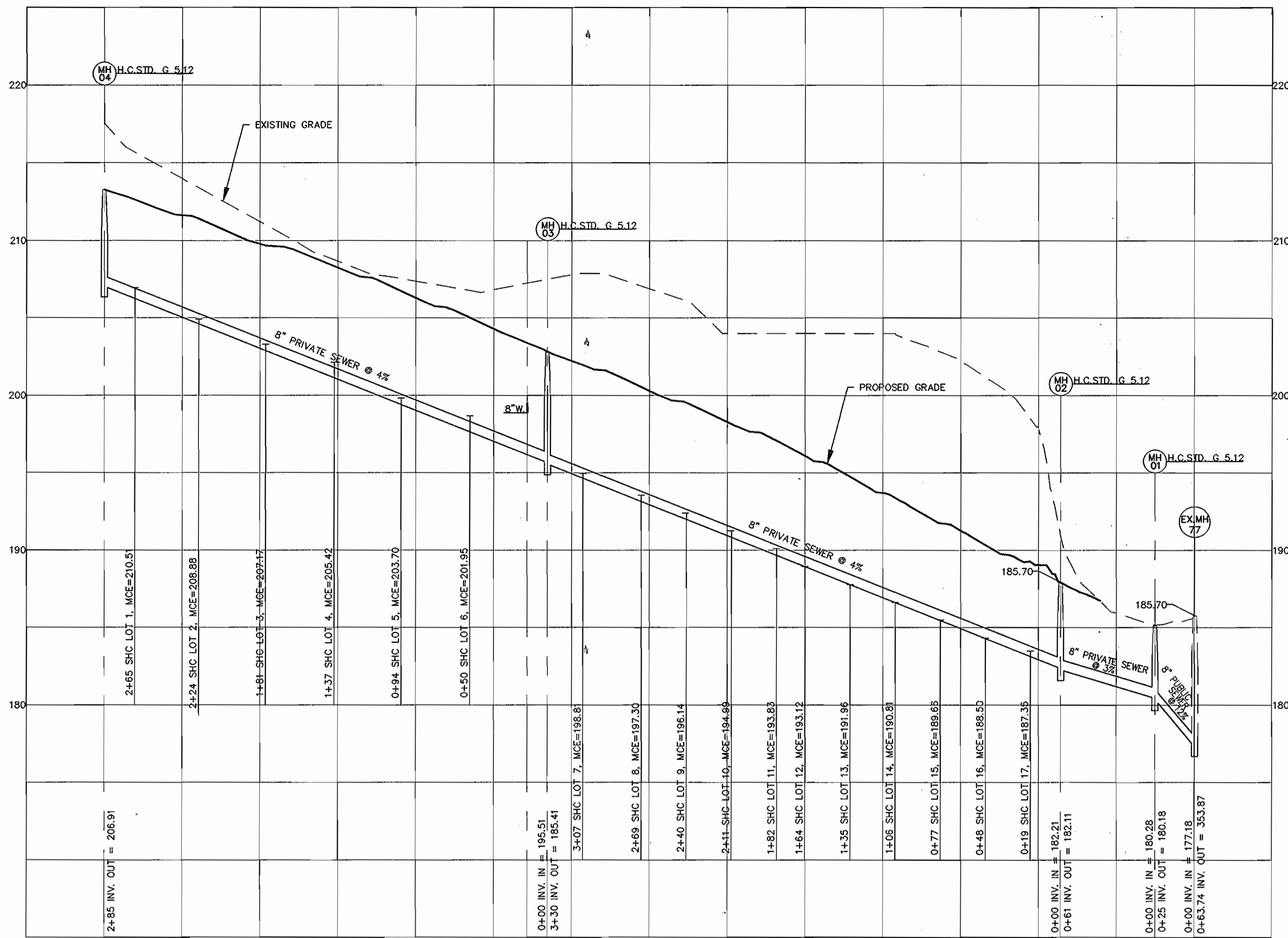


date	JULY 2007	engineering	HSP	approval
project	98091	illustration	HSP	scale
				1"=30'

no.		description	revisions

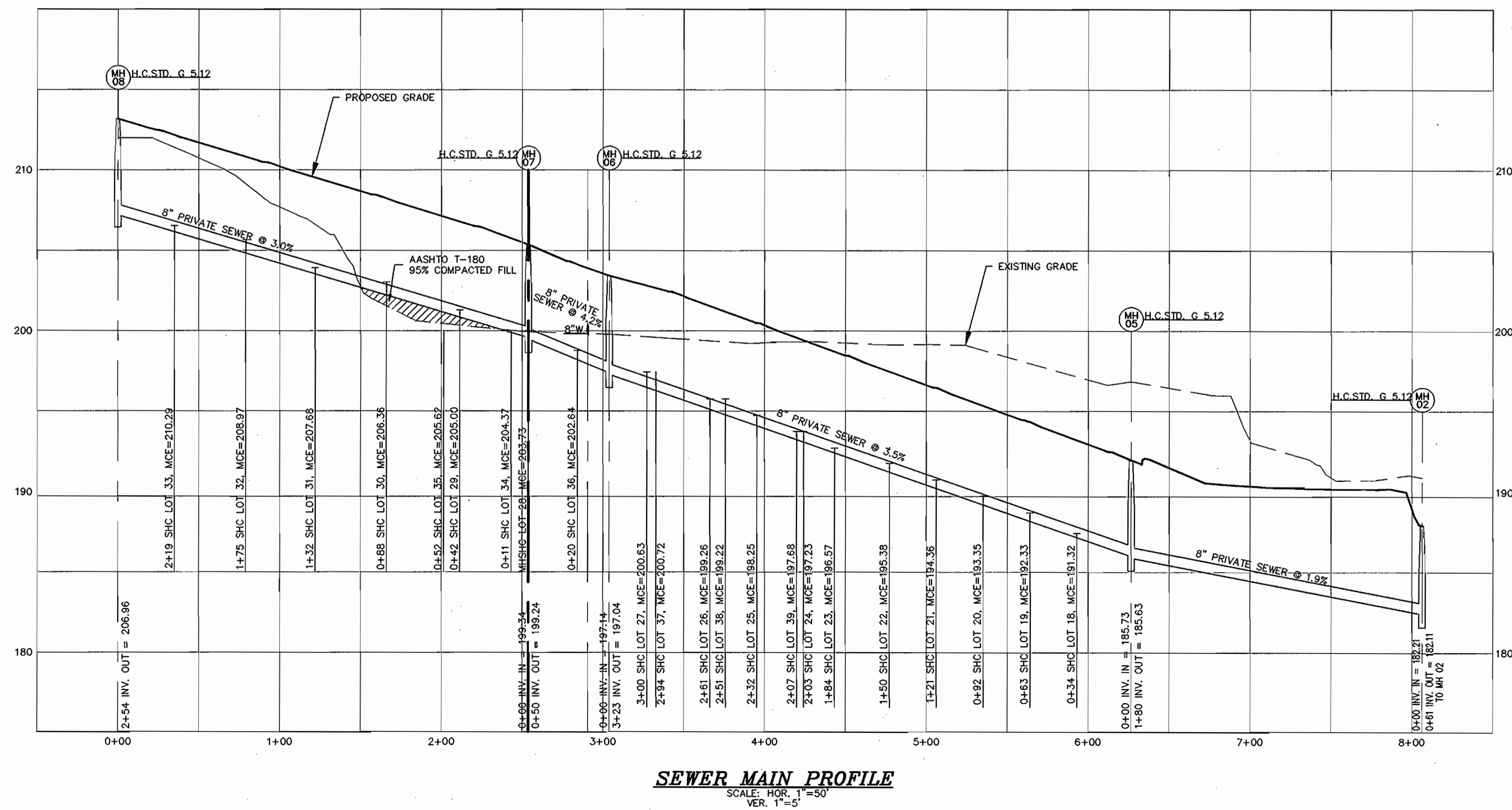
**ROUTE ONE TEMPORARY MOBILE HOME PARK**  
 TAX MAP 43 - GRID 14  
 HOWARD COUNTY, MARYLAND  
 SIXTH ELECTION DISTRICT  
**STORM DRAIN DRAINAGE AREA MAP**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsy Hill Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 987-0286 Fax (410) 987-0288 Fax



UNIT NO.	INVERT AT UNIT AREA LINE	MCE
1	206.51	210.51
2	204.88	208.88
3	203.17	207.17
4	201.42	205.42
5	199.70	203.70
6	197.95	201.95
7	194.81	198.81
8	193.30	197.30
9	192.14	196.14
10	190.99	194.99
11	189.83	193.83
12	189.12	193.12
13	187.96	191.96
14	186.81	190.81
15	185.66	189.66
16	184.50	188.50
17	183.35	187.35
18	187.32	191.32
19	188.33	192.33
20	189.35	193.35
21	190.36	194.36
22	191.38	195.38
23	192.57	196.57
24	193.23	197.23
25	194.25	198.25
26	195.26	199.26
27	196.63	200.63
28	199.73	203.73
29	201.00	205.00
30	202.36	206.36
31	203.68	207.68
32	204.97	208.97
33	206.29	210.29
34	200.37	204.37
35	201.62	205.62
36	198.64	202.64
37	196.72	200.72
38	195.22	199.22
39	193.66	197.66

**SEWER MAIN PROFILE**  
SCALE: HOR. 1"=50'  
VER. 1"=5'



**SEWER MAIN PROFILE**  
SCALE: HOR. 1"=50'  
VER. 1"=5'

**DEVELOPERS CERTIFICATE**  
I 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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature: [Signature] DATE: 7/11/07  
PRINTED NAME OF DEVELOPER: [Name]

**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 NATURAL RESOURCE CONSERVATION SERVICE.

Signature: [Signature] DATE: 7/11/07  
R. JACOB HIKMAT  
PRINTED NAME OF ENGINEER

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
Signature: [Signature] DATE: [Date]

USDA - NATURAL RESOURCE CONSERVATION SERVICE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
Signature: [Signature] DATE: 8/1/07  
HOWARD COUNTY HEALTH OFFICER

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.  
Signature: [Signature] DATE: [Date]

HOWARD SOIL CONSERVATION DISTRICT

APPROVED: DEPARTMENT OF PLANNING AND ZONING  
Signature: [Signature] DATE: 7/2/07  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

Signature: [Signature] DATE: 7/3/07  
CHIEF, DIVISION OF LAND DEVELOPMENT

Signature: [Signature] DATE: 8/5/07  
DIRECTOR

**OWNER**  
JESSUP ROCK, LLC.  
C/O ROCK REALTY, INC.  
6800 DEERPATH ROAD, SUITE 100  
ELK RIDGE, MD 21075  
(410) 579-2442



project	date
98091	JULY 2007
illustration	engineering
HSP	HSP
scale	approval
AS SHOWN	

no.	description	date
	revisions	

**ROUTE ONE TEMPORARY MOBILE HOME PARK**  
TAX MAP 43 - GRID 14  
HOWARD COUNTY, MARYLAND  
SIXTH ELECTION DISTRICT  
SEWER PROFILES

**MILDENBERG, BOENDER & ASSOC., INC.**  
Engineers Planners Surveyors  
5072 Dorsey Hall Drive, State 202, Ellicott City, Maryland 21042  
(410) 997-0296 Fax. (301) 621-5521 Wash. (410) 997-0298 Fax.



**SCHEDULE A : PERIMETER LANDSCAPED EDGE**

CATEGORY	ADJACENT TO ROADWAYS	ADJACENT TO PERIMETER PROPERTIES	TOTAL
LANDSCAPE TYPE	C (PERIMETER 1)	A (PERIMETERS 2 THRU 9)	C (PERIMETER 10)
LINEAR FEET OF PERIMETER	250.28 LF	1488.41 LF (1178.93 LF AFTER CREDITS)	722.04 LF
CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET)	NO	YES, 309.48 LF OF EXISTING TREES	NO
CREDIT FOR WALL, FENCE, OR BERM (YES, NO, LINEAR FEET)	NO	NO	NO
NUMBER OF PLANTS REQUIRED			
SHADE TREES	6 SHADE TREE	20 SHADE TREES	18 SHADE TREES
EVERGREEN TREES	12 EVERGREEN TREE	0 EVERGREEN TREES	36 EVERGREEN TREES
SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS
NUMBER OF PLANTS PROVIDED			
SHADE TREES	6 SHADE TREE	20 SHADE TREES	18 SHADE TREES
EVERGREEN TREES	12 EVERGREEN TREE	0 SUBSTITUTION TREES	36 EVERGREEN TREES
SUBSTITUTION TREES (2:1) SHRUBS	0 SHRUBS	0 SHRUBS	0 SHRUBS

**NOTES:**

- THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.
- FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING (153 SHADE TREES & 48 EVERGREENS, & 14 SHRUBS) HAS BEEN POSTED AS PART OF THE DPW DEVELOPERS AGREEMENT IN THE AMOUNT OF \$ 53,520.
- SWM LANDSCAPING IS NOT REQUIRED. SWM IS PROVIDED VIA UNDERGROUND SWM FACILITY.

**INTERNAL PLANTINGS CALCULATIONS**

1 SHADE TREE/UNIT = 39 SHADE TREES  
 TOTAL TREES REQUIRED = 39 STREET TREES  
 TOTAL TREES PROVIDED = 48 STREET TREES

**INTERNAL STREET TREE CALCULATIONS**

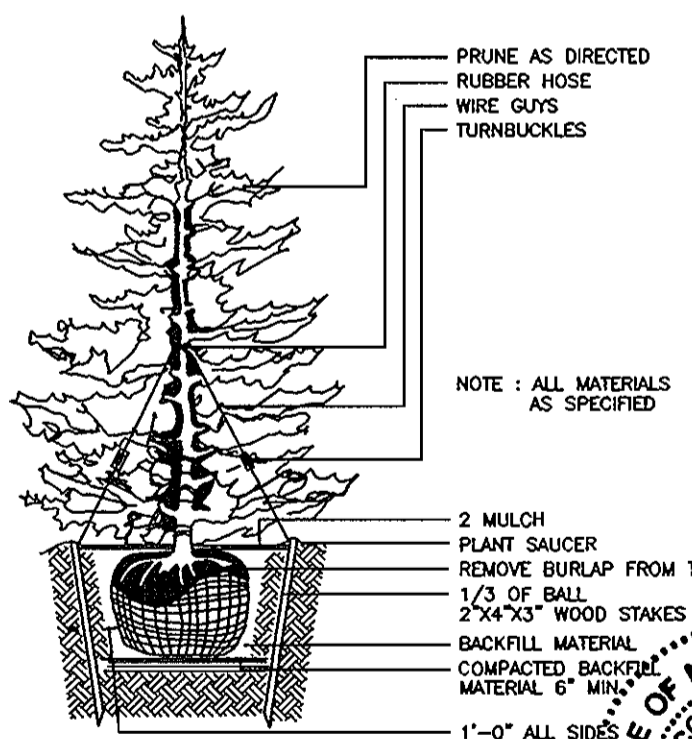
PRIVATE ROADS - 1380 / 30 = 46  
 TOTAL TREES REQUIRED = 46 STREET TREES  
 TOTAL TREES PROVIDED = 46 STREET TREES

**STREET TREE PLANTING SCHEDULE**

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
46		PYRUS CALLERYANA 'REDSPIRE' OR EQUIVALENT	REDSPIRE PEAR OR EQUIVALENT	2 1/2" - 3" CAL.
<b>TOTAL</b>				<b>46 STREET TREES</b>

**LANDSCAPE REQUIREMENT PLANTING SCHEDULE**

PERIMETER	QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
PERIMETER 1					
RES TO ROAD - 250.28 LF	6		ACER BUERGERANUM OR EQUIVALENT	TRIDENT MAPLE OR EQUIVALENT	1 1/2" - 2" CAL.
1 SHADE TREE / 40 LF					
1 EVERGREEN / 20 LF	12		QUERCUS RUBRA OR EQUIVALENT	RED OAK OR EQUIVALENT	2 1/2" - 3" CAL.
PERIMETER 2					
RES TO NON-RES - 176.07 LF	3		LIQUIDAMBAR STYRACIFLUA	AMERICAN SWEETGUM	2 1/2" - 3" CAL.
1 SHADE TREE / 60 LF					
PERIMETER 3					
RES TO NON-RES - 72.48 LF	1		ILEX OPACA OR EQUIVALENT	AMERICAN HOLLY OR EQUIVALENT	5' - 6' HT.
EXISTING TREES TO REMAIN					
RES TO NON-RES - 102.71 LF	2				
1 SHADE TREE / 60 LF					
PERIMETER 4					
RES TO NON-RES - 105.00 LF	1				
EXISTING TREES TO REMAIN					
PERIMETER 5					
RES TO NON-RES - 164 LF	3				
1 SHADE TREE / 60 LF					
PERIMETER 6					
RES TO SFD - 80.00 LF	1				
EXISTING TREES TO REMAIN					
RES TO NON-RES - 180.00 LF	3				
1 SHADE TREE / 60 LF					
PERIMETER 7					
RES TO NON-RES - 65 LF	1				
1 SHADE TREE / 60 LF					
PERIMETER 8					
RES TO NON-RES - 52.00 LF	1				
EXISTING TREES TO REMAIN					
RES TO NON-RES - 115.11 LF	2				
1 SHADE TREE / 60 LF					
PERIMETER 9					
RES TO NON-RES - 378.04 LF	6				
1 SHADE TREE / 60 LF					
PERIMETER 10					
RES TO RES-MH - 722.05 LF	18				
1 SHADE TREE / 40 LF					
1 EVERGREEN / 20 LF	36				
<b>TOTAL PLANTING OBLIGATION</b>					
SHADE TREES	44				
EVERGREEN TREES	48				



JESSUP ROCK, LLC.  
 C/O ROCK REALTY, INC.  
 6800 DEERPATH ROAD, SUITE 100  
 ELKDRIDGE, MD 21075  
 (410) 579-2442

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

*Peter Pedersen* 8/11/07  
 HOWARD COUNTY HEALTH OFFICER

APPROVED: DEPARTMENT OF PLANNING AND ZONING

*Michael J. ...* 7/27/07  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

*...* 8/3/07  
 CHIEF, DIVISION OF LAND DEVELOPMENT

*...* 8/3/07  
 DIRECTOR

**STREET TREE CALCULATIONS**

US ROUTE 1 - 251 / 40 = 6  
 TOTAL TREES REQUIRED = 6 STREET TREES  
 TOTAL TREES PROVIDED = 6 STREET TREES

**STREET TREE PLANTING SCHEDULE**

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
6		ACER GINNALA OR EQUIVALENT	AMUR MAPLE OR EQUIVALENT	1 1/2" - 2" CAL.
<b>TOTAL</b>				<b>6 STREET TREES</b>

**LEGEND**

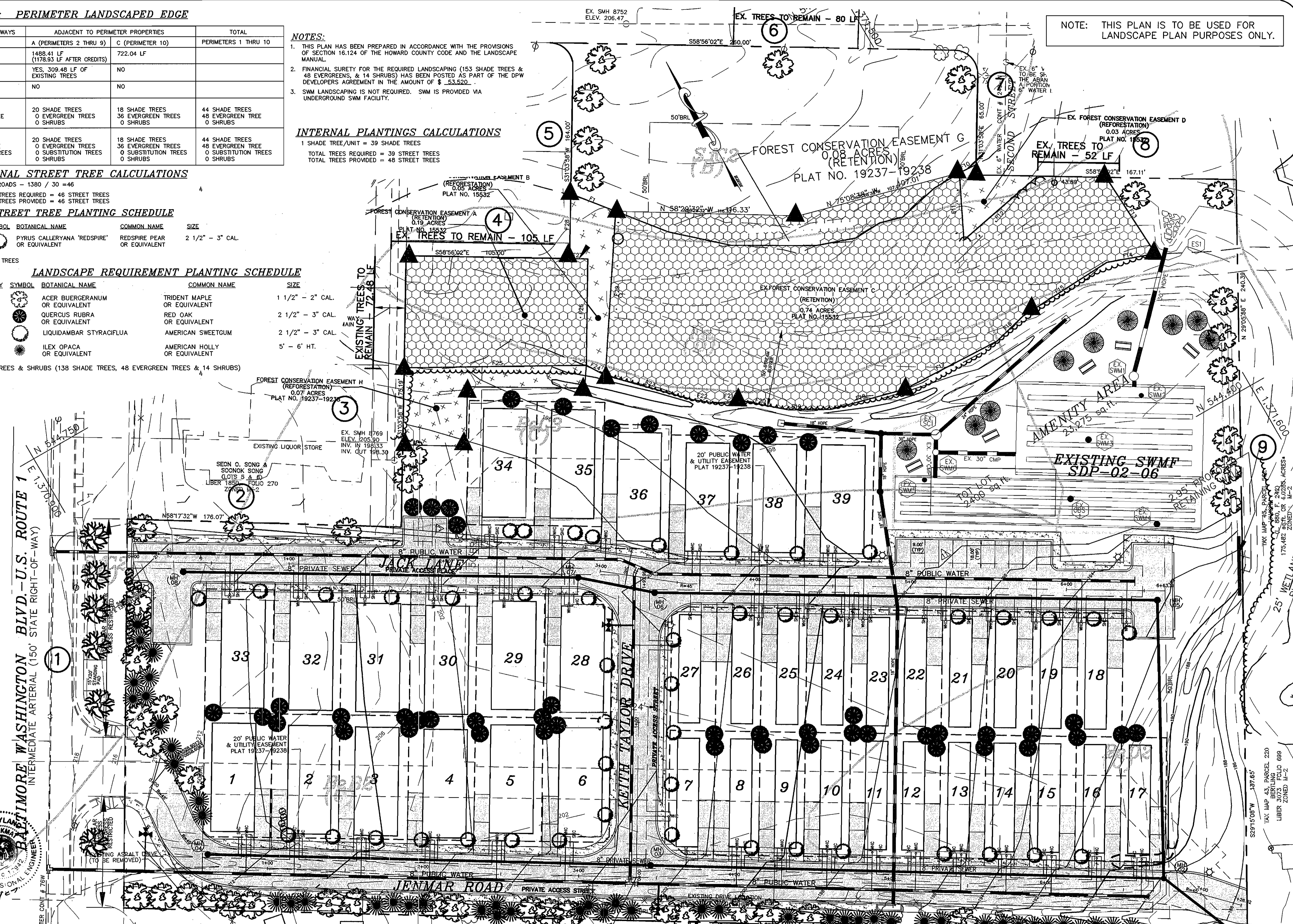
- 15 TO 24% SLOPES
- FOREST CONSERVATION EASEMENT (RETENTION)
- FOREST CONSERVATION EASEMENT (REFORESTATION)
- PROPOSED TREELINE
- LANDSCAPE PERIMETER EDGE
- PICNIC TABLE WITH BENCHES

**TYPE E BUFFER AT T-TURNAROUND (RTE 1 MANUAL RQMT.)**

TYPE E BUFFER - 1 SHRUB / 4 FT = 14  
 TOTAL SHRUBS REQUIRED = 14 STREET TREES  
 TOTAL SHRUBS PROVIDED = 14 SHRUBS

**AMENITY AREA PLANTING SCHEDULE**

QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
9		ACER GINNALA OR EQUIVALENT	AMUR MAPLE OR EQUIVALENT	1 1/2" - 2" CAL.
<b>TOTAL</b>				<b>9 SHADE TREES</b>



NOTE: THIS PLAN IS TO BE USED FOR LANDSCAPE PLAN PURPOSES ONLY.

date	project	description	revision
JULY 2007	98091	engineering	HSP
		illustration	HSP
		scale	1"=30'
		approval	

**ROUTE ONE TEMPORARY MOBILE HOME PARK**  
 TAX MAP 43 - GRID 14  
 HOWARD COUNTY, MARYLAND  
 SIXTH ELECTION DISTRICT  
 LANDSCAPE PLAN

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsey Hall Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 987-0296 Fax: (301) 621-5521 Wash. (410) 987-0298 Fax.

**PLANTING SPECIFICATIONS AND NOTES**

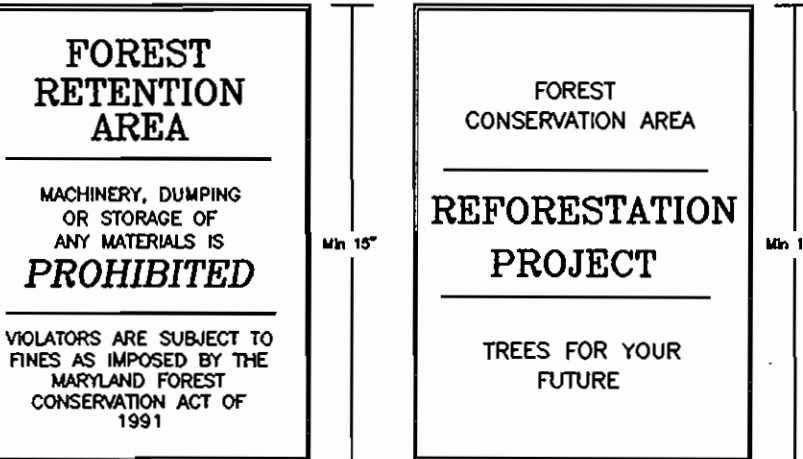
- SITE PREPARATION AND SOILS**
- PROTECTION FENCING AND SILT FENCES FOR SEDIMENT AND EROSION CONTROL ARE TO BE INSTALLED WHEN NECESSARY AS A FIRST ORDER OF BUSINESS. SEE PLAN FOR LOCATIONS.
  - DISTURBANCE OF SOILS SHOULD BE LIMITED TO THE PLANTING FIELD FOR EACH PLANT. AS SHOWN ON THE DETAIL VIEW, A PLANTING FIELD OF RADIUS = 5' X DIAMETER OF THE ROOT BALL OR CONTAINER IS RECOMMENDED.
  - SOIL MIX FOR ALL PLANTS EXCEPT ERICACEOUS MATERIAL: SOIL MIX SHALL CONSIST OF EXISTING NATIVE TOPSOIL MIXTURE AT EACH PLANTING FIELD LOCATION INTO WHICH THE CONTRACTOR SHALL THOROUGHLY INCORPORATE 25% BY VOLUME OF COMPOSTED SLUDGE.
  - SOIL MIX FOR ERICACEOUS MATERIAL: SOIL MIX SHALL CONSIST OF EXISTING NATIVE TOPSOIL MIXTURE AT EACH PLANTING FIELD LOCATION INTO WHICH THE CONTRACTOR SHALL THOROUGHLY INCORPORATE 25% BY VOLUME PEAT MOSS.
  - AIR MIXING IN 3 AND 5 GAL. SHALL BE LIMITED TO CONTAINER GROWN OR BALL AND BURLAP STOCK ONLY AND CONFINED TO THE PLANTING FIELD AND IMMEDIATE ADJACENT SOIL SURFACE AREA AND SHALL BE DONE TO THE SATISFACTION OF THE DESIGN TEAM OR ENGINEER.

- PLANT STORAGE AND INSPECTION**
- FOR CONTAINER GROWN NURSERY STOCK, PLANTING SHOULD OCCUR WITHIN 2 WEEKS AFTER DELIVERY TO THE SITE.
  - FOR BALL AND BURLAP NURSERY STOCK, PLANTING SHOULD OCCUR WITHIN THREE DAYS AFTER DELIVERY TO THE SITE.
  - PLANTING STOCK SHOULD BE INSPECTED PRIOR TO PLANTING. PLANTS NOT CONFORMING TO STANDARD NURSERYMAN SPECIFICATIONS FOR GROWTH FORM, VIGOR, TRUNK WOUNDS, INSECTS AND DISEASE SHOULD BE REPLACED.
  - UNTIL PLANTED, ALL PLANT STOCK SHALL BE KEPT IN A SHADED, COOL, AND MOISTENED ENVIRONMENT.

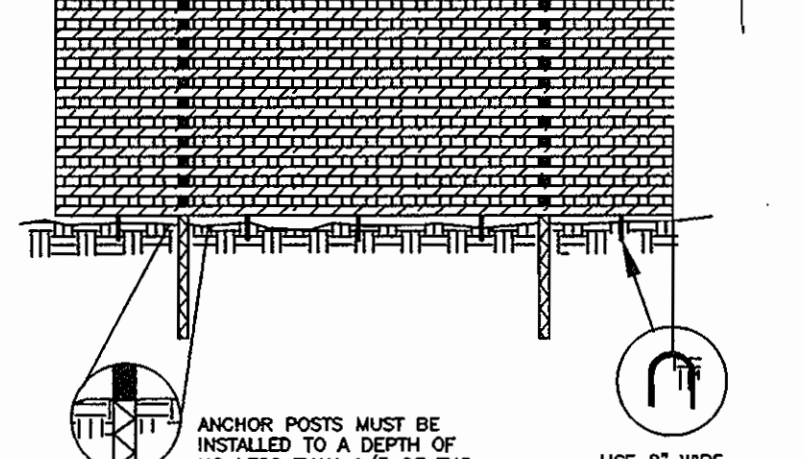
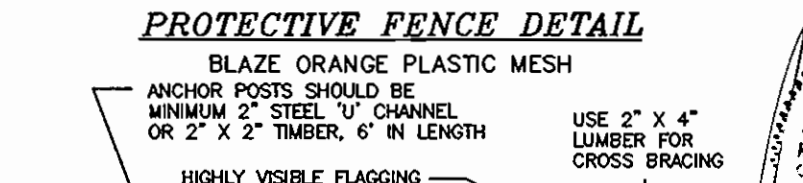
- PLANT INSTALLATION**
- THE PLANTING FIELD SHOULD BE PREPARED AS SPECIFIED (SEE DETAIL). NATURAL SOILS STOCKPILED SHOULD BE USED FOR SOIL MIX AND BACKFILL FOR PLANTING FIELD. AFTER PLANT INSTALLATION, MAKE SOLES EVEN WITH EXISTING FIELD AND COVER WITH AT LEAST 4 INCHES OF MULCH. WATER, GENEROUSLY, TO SETTLE SOIL BACKFILLED AROUND TREES.
  - PLANTING FIELD DIAMETERS SHOULD BE REDUCED OR PLANTING FIELD MOVED IF IT APPEARS THAT EXCESSIVE EXISTING ROOT DAMAGE MAY OCCUR DURING DIGGING OPERATION NEAR EXISTING FOREST.
  - CARE SHALL BE TAKEN WHEN DIGGING PLANTING FIELDS NOT TO CHOP THRU LARGER EXISTING ROOTS FROM EXISTING MATURE TREES. IF ROOTS GREATER THAN 1/2 INCH ARE ENCOUNTERED PLEASE TRY TO DIG AROUND THEM AS MUCH AS POSSIBLE TO MINIMIZE IMPACT TO EXISTING TREES. THEY WERE HERE FIRST.

**FOREST CONSERVATION DATA**

I. BASIC SITE DATA	ACRES
GROSS SITE AREA	7.38
AREA WITHIN 100 YEAR FLOODPLAIN	0.00
AREA WITHIN AGRICULTURAL USE OR PRESERVATION PARCEL	0.00
NET TRACT AREA	7.38
LAND USE CATEGORY	COMMERCIAL/INDUSTRIAL/OFFICE
<b>II. FOREST CONSERVATION WORKSHEET DATA SUMMARY</b>	
B. REFORESTATION THRESHOLD (15%)	1.11
C. AFFORESTATION MINIMUM (15%)	1.11
D. EXISTING FOREST ON NET TRACT AREA	4.36
E. FOREST AREAS TO BE CLEARED	3.35
F. FOREST AREAS TO BE RETAINED	1.01
<b>IV. REFORESTATION CALCULATIONS</b>	
G. FOREST AREAS CLEARED ABOVE REFORESTATION THRESHOLD	4.36
H. FOREST AREAS CLEARED BELOW REFORESTATION THRESHOLD	3.25
I. FOREST AREAS RETAINED ABOVE REFORESTATION THRESHOLD	3.25
REFORESTATION FOR CLEARING ABOVE THRESHOLD	0.81
REFORESTATION FOR CLEARING BELOW THRESHOLD	0.19
TOTAL REFORESTATION REQUIRED	1.01
TOTAL REFORESTATION PROVIDED	0.15
TOTAL FEE-IN-LIEU OF REFORESTATION	0.86



**SIGNAGE DETAIL**



- NOTES**
- FOREST PROTECTION FENCE ONLY.
  - REFORESTATION AREA SHALL BE PART OF THE REVIEW PROCESS.
  - BOUNDARIES OF RETENTION AREA SHOULD BE STAKED AND FLAGGED PRIOR TO INSTALLING FENCE.
  - ANCHOR POSTS MUST BE INSTALLED TO A DEPTH OF NO LESS THAN 1/2' OF THE TOTAL HEIGHT OF POST.
  - USE 8" WIRE 1/2' TO SECURE FENCE BOTTOM.
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  - USE 8" WIRE 1/2' TO SECURE FENCE BOTTOM.

- CONTAINER GROWN STOCK SHOULD BE REMOVED FROM THE CONTAINER AND ROOTS GENTLY LOOSENED FROM THE SOIL. IF THE ROOTS ENIRCLE THE ROOT BALL, SUBSTITUTION IS STRONGLY RECOMMENDED.
- U-SHAPED OR KINKED ROOT SYSTEMS SHOULD ALSO BE NOTED. ROOTS MAY NOT BE TRIMMED ON SITE, DUE TO THE INCREASED CHANCES OF SOIL BORNE DISEASES.
- FOR BALL AND BURLAP STOCK, PLACE TREE IN PREPARED PLANTING FIELD AND REMOVE WIRE AND/OR STRING FROM ROOT BALL. THEN PEEL BACK BURLAP TO BASE OF ROOT BALL AND COVER ENTIRE ROOT BALL WITH TOPSOIL MIXTURE INDICATED ABOVE AND WATER GENEROUSLY.
- FOR TREES PLANTED IN THE AFFORESTATION AREA, CONTRACTOR SHALL EVENLY DISPERSE SPECIES IN GROUPS OF TWO (2) TO FOUR (4), PER SPECIES, OVER THE ENTIRE DESIGNATED AREA TO BE PLANTED WHILE MAINTAINING AN AVERAGE SPACING OF INDIVIDUAL TREES AT PROPER SPACING INDICATED ON PLANT LIST.
- AVOID PLANTING IN A STRAIGHT GRID PATTERN. TREES SHALL BE PLANTED ON AN AVERAGE SPACING AS INDICATED ON PLANT LISTS TO OBTAIN A MORE NATURAL APPEARANCE.
- NEWLY PLANTED TREES MAY NEED WATERING AS MUCH AS ONCE A WEEK FOR THE ENTIRE GROWING SEASON, DUE TO THE WELL DRAINED NATIVE SOILS FOUND ON THIS SITE COMBINED WITH THE LOOSENESS OF THE BACKFILLED AREA WITHIN THE PLANTING FIELD. THE NEXT TWO YEARS MAY REQUIRE WATERING ONLY A FEW TIMES A YEAR DURING SUMMER AND DRY MONTHS. AFTER THAT PERIOD, TREES SHOULD ONLY NEED WATER IN SEVERE DROUGHTS. ANY WATERING PLAN SHOULD COMPENSATE FOR RECENT RAINFALL PATTERNS.

- FERTILIZING**
- DO NOT FERTILIZE NEWLY PLANTED TREES WITHIN THE FIRST GROWING SEASON AFTER PLANTING. DOING SO MAY CAUSE A SHIRT OF LAMPY GROWTH WHICH THE ROOTS CANNOT SUPPORT AND ADD ADDITIONAL SHOCK TO THE ALREADY DISTURBED PLANT.
  - NOTHING SHOULD BE ADDED TO THE SOIL WITHOUT TESTING IT FIRST TO DETERMINE ITS NEEDS.
  - IF AND WHEN IT IS TIME TO FERTILIZE, ORGANIC FERTILIZERS ARE PREFERRED TO SYNTHETIC FERTILIZERS. BONE MEAL OR SEAWEED BASED PRODUCTS ARE AVAILABLE COMMERCIALY AND ARE RECOMMENDED. THEY HAVE THE ABILITY TO SUPPLY NUTRIENTS TO THE PLANT AS NEEDED WHILE MINIMIZING THE RISK OF EXCESS NUTRIENTS ENTERING THE FOREST SYSTEM AND WATER SUPPLY.

- MAINTENANCE SCHEDULE**
- ANNUAL MAINTENANCE DURING THE GROWING SEASON, FOR A THREE YEAR PERIOD.
  - ASSESS TREE MORTALITY OF PLANTING STOCK, REMOVE AND REPLACE ANY DEAD OR DISEASED PLANTINGS.
  - VOLUNTEER SEEDING OF NATIVE, LOCAL AND ENDEMIC VEGETATION IS TO BE EXPECTED. DO NOT DISCOURAGE THIS EFFORT UNLESS IT IS NEGATIVELY EFFECTING THE PLANTED STOCK.
  - REMOVE THROUGH MANUAL MEANS (GRUBBING, PULLING, CUTTING) AGGRESSIVE, NOXIOUS, INVASIVE SPECIES AND ALL HERBACEOUS VEGETATION WITHIN A 3-FOOT RADIUS SURROUNDING THE PLANTED WOODY NURSERY STOCK.

- INSTALLATION AND MAINTENANCE OF PROTECTIVE FENCING AND SIGNAGE SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR. THE GENERAL CONTRACTOR SHALL TAKE THE UTMOST CARE TO PROTECT TREE ROOT SYSTEMS DURING ALL CONSTRUCTION ACTIVITIES. TREE ROOT SYSTEMS SHALL BE PROTECTED FROM SMOTHERING, FLOODING, EXCESSIVE WETTING FROM DE-WATERING OPERATIONS, OFF-SITE RUN OFF, SPILLAGE AND DRAINING OF MATERIALS THAT MAY BE HARMFUL TO TREES.
- THE GENERAL CONTRACTOR SHALL PREVENT PARKING OF CONSTRUCTION VEHICLES AND EQUIPMENT, AND THE STORING OF BUILDING SUPPLIES OR STOCKPILING OF EARTH WITHIN FOREST CONSERVATION EASEMENTS.
- REMOVAL OF TOPSOIL OR ROOT MAT WITHIN THE TREE PRESERVATION AREA SHALL BE PROHIBITED.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TREES DAMAGED OR DESTROYED WITHIN THE FOREST CONSERVATION EASEMENTS. ROOT PRUNING SHALL BE USED AT THE LIMIT OF DISTURBANCE OR LIMIT OF GRADING WITHIN AND ADJACENT TO ALL FORESTED AREAS. PLEASE REFER TO ROOT PRUNING DETAIL THIS SHEET.

**SUPERVISION**

ALL FOREST CONSERVATION ACTIVITIES SHALL BE DONE UNDER THE DIRECT SUPERVISION OF SOMEONE FROM THE DESIGN TEAM OR OTHER "QUALIFIED PROFESSIONAL" AS DETERMINED BY THE REQUIREMENTS OF COMAR 08.19.06.01 AND THE MARYLAND DEPARTMENT OF NATURAL RESOURCES, PUBLIC LANDS AND FORESTRY DIVISION.

**STANDARD SPECIMEN TREE NON-DISTURBANCE NOTE:**

THERE SHALL BE NO CLEARING, GRADING, CONSTRUCTION, SOIL COMPACTION OR EXCAVATION, INTRODUCTION OF TOXIC CHEMICALS OR OTHER DISTURBANCES DETRIMENTAL TO THE LIVE SPECIMEN TREES OR CRITICAL ROOT ZONES FOR THESE TREES EXCEPT AS PERMITTED BY THE HOWARD COUNTY FOREST CONSERVATION PROGRAM.

- FOREST PROTECTION**
- ALL FOREST RETENTION AREAS AND ISOLATED POTENTIAL SPECIMEN TREES SHALL BE TEMPORARILY PROTECTED BY WELL ANCHORED, BLAZE ORANGE PLASTIC MESH FENCING AND SIGNAGE AS INDICATED ON THE PLANS. THE DEVICES SHALL BE INSTALLED ALONG THE FOREST RETENTION BOUNDARY AND AROUND ISOLATED POTENTIAL SPECIMEN TREES PRIOR TO ANY LAND CLEARING, GRUBBING, OR GRADING ACTIVITIES.
  - BLAZE ORANGE PLASTIC MESH FENCING SHALL BE INSTALLED ALONG THE REFORESTATION BOUNDARY AFTER THE PLANTING OF THE EASEMENT. THE FOREST PROTECTION DEVICES SHALL BE INSTALLED SUCH THAT THE CRITICAL ROOT ZONES OF ALL TREES WITHIN THE RETENTION AREA NOT OTHERWISE PROTECTED WILL BE WITHIN FOREST PROTECTION DEVICES. IT IS UNDERSTOOD THAT THE INSTALLATION OF THE FENCING IN THIS MANNER WILL CREATE AN IRREGULAR EDGE.
  - ALL PROTECTION DEVICES SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. ALL DEVICES SHALL REMAIN IN PLACE UNTIL ALL CONSTRUCTION HAS CEASED IN THE IMMEDIATE VICINITY. ATTACHMENT OF SIGNS, OR OTHER DEVICES TO TREES IS PROHIBITED. NO EQUIPMENT, MACHINERY, VEHICLES, MATERIALS OR EXCESSIVE PEDESTRIAN TRAFFIC SHALL BE ALLOWED WITHIN THE PROTECTED AREAS.

- CONSTRUCTION MONITORING: CONSTRUCTION MONITORING SHALL BE PERIODICALLY DURING THE CONSTRUCTION PHASE OF THE PROJECT. A QUALIFIED PROFESSIONAL SHALL BE RESPONSIBLE FOR IDENTIFYING DAMAGE TO PROTECTED FOREST AREAS OR INDIVIDUAL TREES WHICH MAY HAVE BEEN CAUSED BY CONSTRUCTION ACTIVITIES, SUCH AS SOIL COMPACTION, ROOT INJURY, TRUNK WOUNDS, LIMB INJURY, OR STRESS CAUSED BY FLOODING OR DROUGHT CONDITIONS.
- ANY SUCH DAMAGE THAT MAY OCCUR SHALL BE REMEDIATED IMMEDIATELY USING APPROPRIATE MEASURES. SEVERE PROBLEMS MAY REQUIRE CONSULTATION WITH A PROFESSIONAL ARBORIST.

- PRE-CONSTRUCTION MEETING**
- AFTER THE BOUNDARIES OF THE FOREST RETENTION AREAS HAVE BEEN FIELD LOCATED AND MARKED, AND BEFORE ANY OTHER DISTURBANCE HAS TAKEN PLACE ON SITE, A PRE-CONSTRUCTION MEETING SHALL TAKE PLACE ON SITE. THE DEVELOPER, CONTRACTOR OR PROJECT MANAGER, AND HOWARD COUNTY INSPECTORS SHALL ATTEND. THE PURPOSE OF THIS MEETING WILL BE:
    - TO IDENTIFY THE LOCATIONS OF THE FOREST RETENTION AREAS, SPECIMEN TREES WITHIN 50 FEET OF THE LIMIT OF DISTURBANCE, LIMITS OF CONSTRUCTION, EMPLOYEE PARKING AREAS AND EQUIPMENT STAGING AREAS;
    - INSPECT ALL FLAGGED BOUNDARIES AND PROTECTION DEVICES;
    - MAKE ALL NECESSARY ADJUSTMENTS;
    - ASSIGN RESPONSIBILITIES AS APPROPRIATE AND DISCUSS PENALTIES.

- CONSTRUCTION MONITORING**
- THE CONSTRUCTION PROCEDURE SHALL NOT DAMAGE AREAS OUTSIDE OF THE LIMITS OF DISTURBANCE AS DESIGNATED ON THE PLANS. ANY DAMAGE SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE AND TO THE SATISFACTION OF THE DESIGN TEAM OR ENGINEER.

**REFORESTATION PLANT LIST**

ALTERNATIVE 1	QTY. SPECIES	SHADE	MOIST.	WET.	MIN.O.C.	SIZE & TOL.	REGIME	STATUS	SPACING	REMARKS
10	Acer rubrum	VT	D-W	FAC	20'	CONT/B & B				
5	Lindera benzoin	T	M	FACW	20'	CONT/B & B				
	Spicebush					2" CALIPER				
<b>TOTAL</b>		15 TREES (FOREST CONSERVATION EASEMENTS B, D, H)								

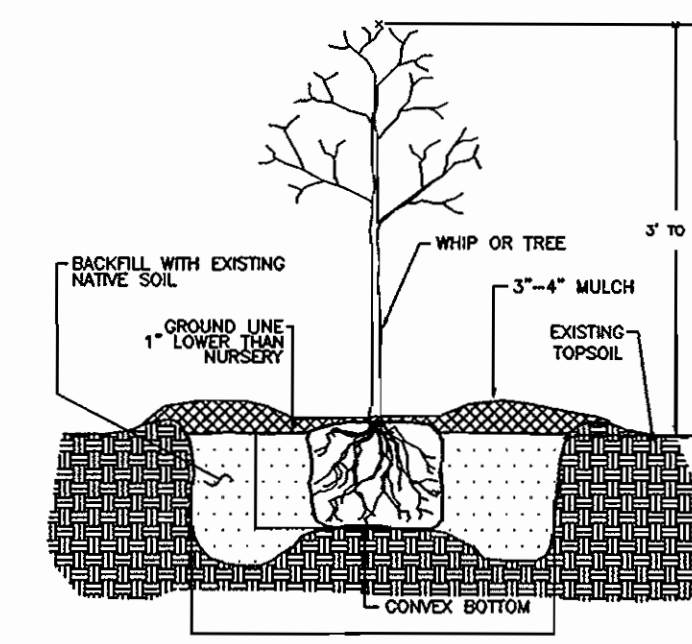
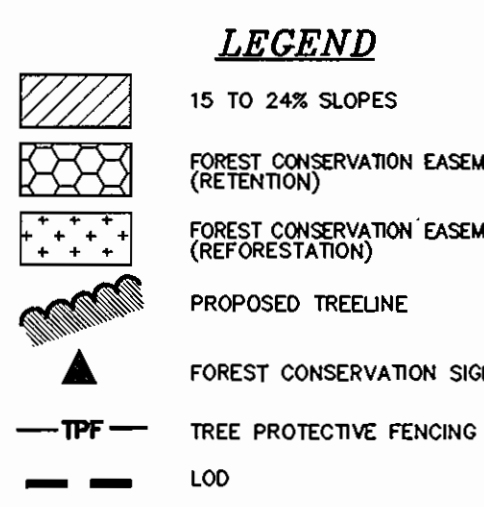
- NOTE:**
- NO ENVIRONMENTALLY SENSITIVE AREAS INCLUDING FLOODPLAINS, STEEP SLOPES, STREAMS, STREAM BUFFERS, WETLANDS AND WETLAND BUFFERS EXIST ON-SITE.

**NOTE: THIS PLAN IS TO BE USED FOR FOREST CONSERVATION PLAN PURPOSES ONLY.**

- NOTE:**
- THE FOREST CONSERVATION REQUIREMENTS PER SECTION 16.1202 OF THE HOWARD COUNTY CODE FOR FOREST CONSERVATION BY RETENTION OF 1.01 ACRES OF FOREST, REFORESTATION OF 0.15 ACRES, AND PAYMENT OF A BUYOUT OF REFORESTATION FOR 0.43 ACRES (18,730.00 SQ. FT.) IN THE AMOUNT OF \$18,730.80. FINANCIAL SURETY FOR THE ON-SITE RETENTION (1.01 ACRES OR 43,995.60 SQ. FT. IN THE AMOUNT OF \$8,799.12) AND REFORESTATION (0.15 ACRES OR 6,534 SQ. FT. IN THE AMOUNT OF \$3,267.00) HAS BEEN POSTED AS PART OF THE DEVELOPERS AGREEMENT IN THE AMOUNT OF \$30,796.92.
  - THE FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE, FOREST CONSERVATION ACT. NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENT ARE ALLOWED.
  - PLEASE NOTE THAT SDP-02-06 HAS BEEN VOIDED AND A REVISION PLAT WILL SUPERCEDE F-02-148.

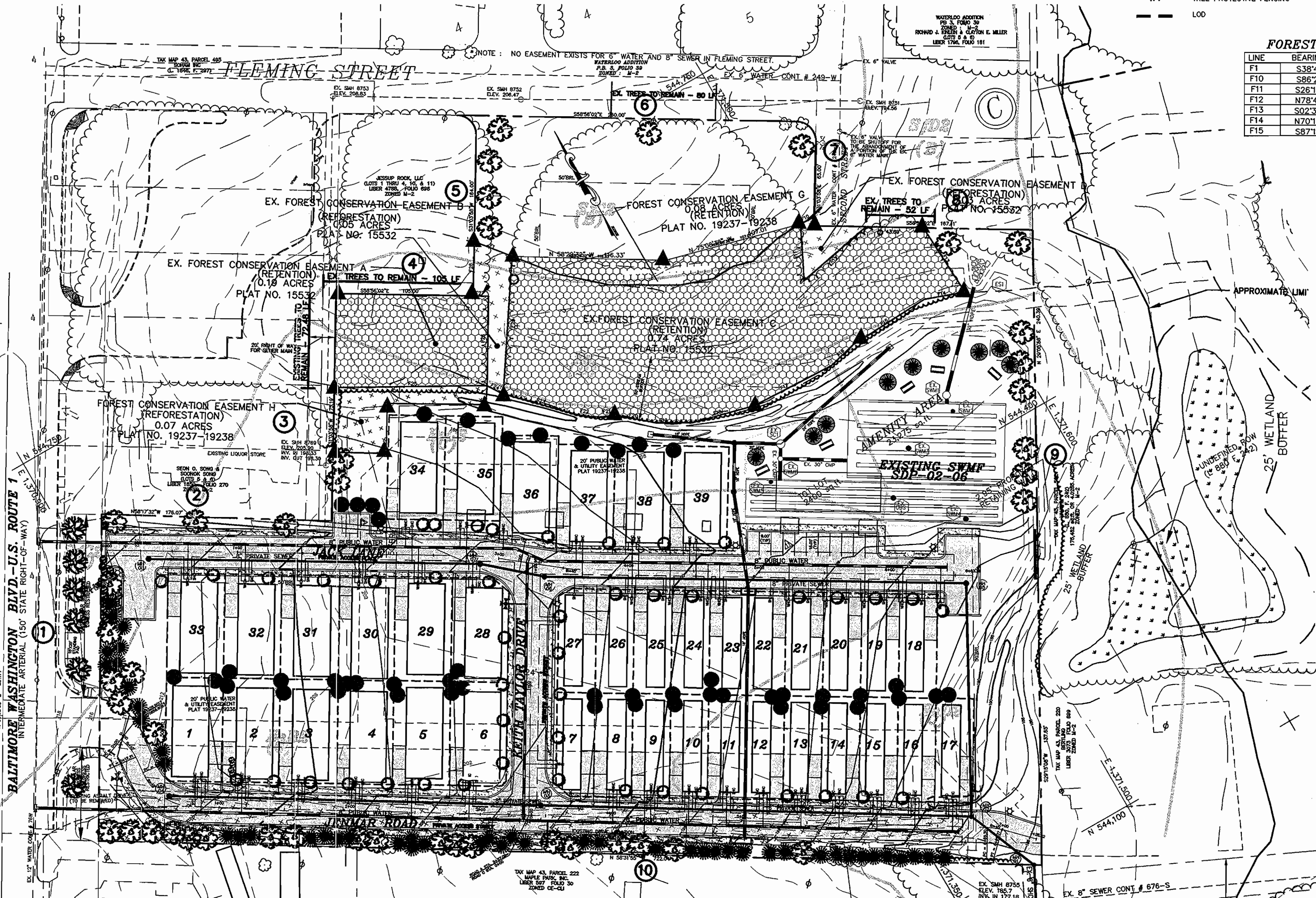
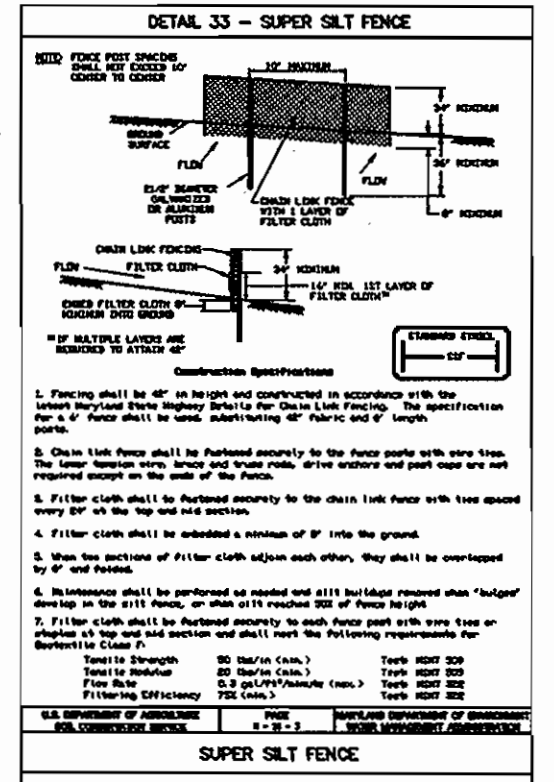
**FOREST CONSERVATION REQUIREMENTS**

ALTERNATIVE 1	REQUIREMENTS
FCE B	5 TREES REQUIRED
FCE D	3 TREES REQUIRED
FCE H	7 TREES REQUIRED



**FOREST CONSERVATION EASEMENTS**

LINE	BEARING & DISTANCE	LINE	BEARING & DISTANCE
F1	S38°43'25"E 31.04'	F16	S75°56'41"W 23.07'
F10	S82°29'11"E 11.93'	F17	N87°43'14"W 62.31'
F11	S26°15'51"W 43.71'	F18	N75°23'15"W 48.80'
F12	N78°45'11"E 62.98'	F19	N60°38'02"W 27.18'
F13	S02°34'56"E 58.79'	F20	N48°52'45"W 27.89'
F14	N70°13'35"W 31.76'	F21	N64°02'53"W 17.74'
F15	S87°10'49"W 64.11'	F22	N51°33'13"W 16.58'
		F23	N44°17'12"W 58.42'
		F24	N31°33'23"W 13.90'
		F25	N60°46'41"W 117.07'
		F26	S30°47'27"W 68.71'
		F27	S58°56'02"E 11.68'
		F28	N31°03'58"E 41.89'
		F29	N33°38'23"E 106.38'



APPROVED: DEPARTMENT OF PLANNING AND ZONING  
 [Signature]  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION  
 [Signature]  
 CHIEF, DIVISION OF LAND DEVELOPMENT  
 [Signature]

**OWNER**  
 JESSUP ROCK, LLC.  
 C/O ROCK REALTY, INC.  
 6800 DEERPATH ROAD, SUITE 100  
 ELK RIDGE, MD 21075  
 (410) 579-2442

[Signature]  
 7/19/10  
 QUALIFIED PROFESSIONAL

date	description	revisions
JULY 2007 <td>engineering <td></td> </td>	engineering <td></td>	
HSP <td>HSP <td></td> </td>	HSP <td></td>	
HSP <td>HSP <td></td> </td>	HSP <td></td>	
HSP <td>HSP <td></td> </td>	HSP <td></td>	

date	description	revisions
1"	1"	50'

**ROUTE ONE TEMPORARY MOBILE HOME PARK**  
 BLOCK C, LOTS 7-10; BLOCK D, LOTS 1-10; BLOCK E, LOTS 7-9 - GRID 14  
 SIXTH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
**FOREST CONSERVATION PLAN**

**MILDENBERG, BOENDER & ASSOC., INC.**  
 Engineers Planners Surveyors  
 5072 Dorsan Hill Drive, Suite 202, Ellicott City, Maryland 21042  
 (410) 997-0286, Fax: (301) 621-5621, Wash. (410) 997-0288 Fax