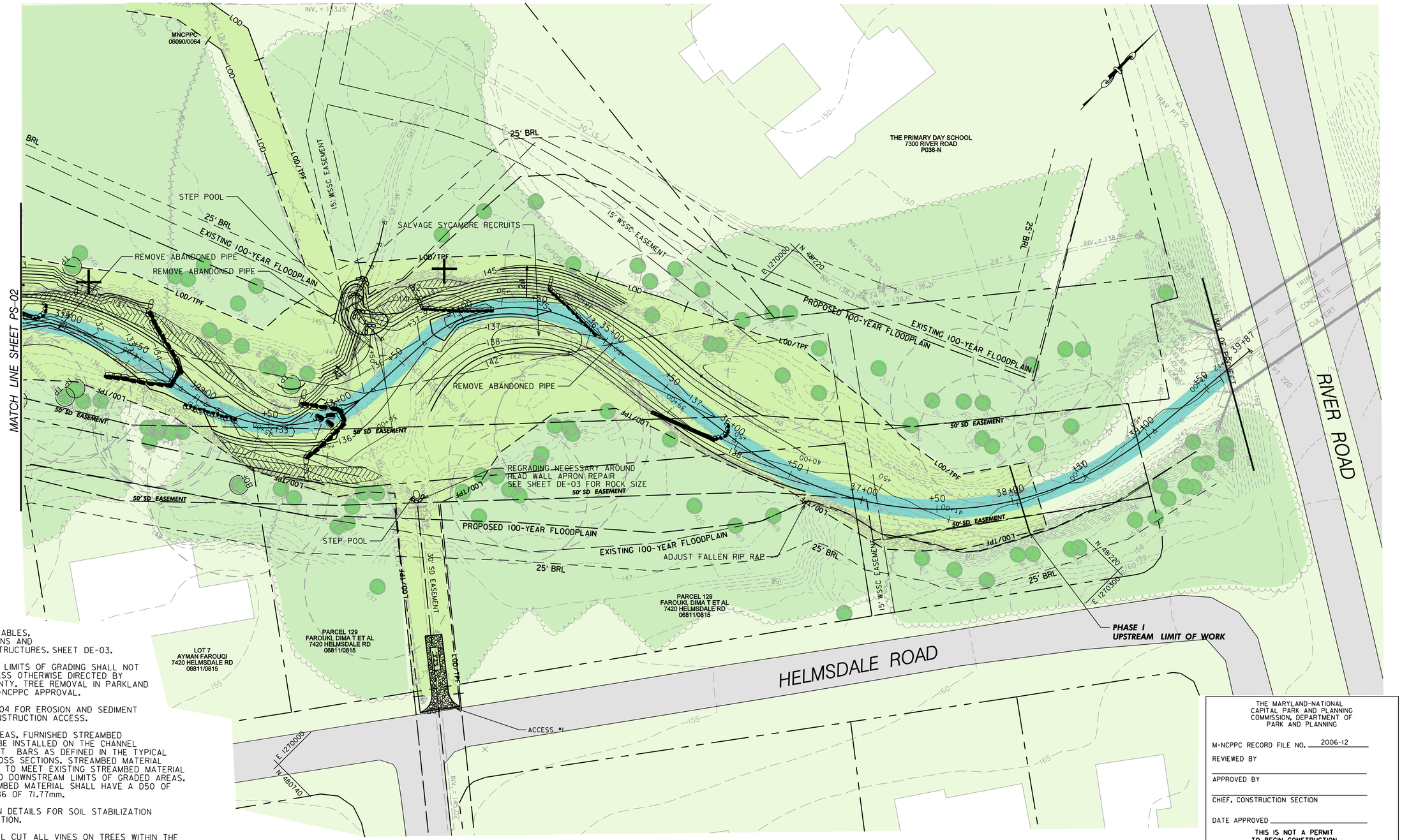

NOTE:

1. SEE STRUCTURE TABLES, FOR ALL DIMENSIONS AND ELEVATIONS OF STRUCTURES. SHEET DE-03.
2. TREES WITHIN THE LIMITS OF GRADING SHALL NOT BE REMOVED UNLESS OTHERWISE DIRECTED BY MONTGOMERY COUNTY. TREE REMOVAL IN PARKLAND SHALL REQUIRE M-NCPPC APPROVAL.
3. SEE EP-01 TO EP-04 FOR EROSION AND SEDIMENT CONTROL AND CONSTRUCTION ACCESS.
4. WITHIN GRADED AREAS, FURNISHED STREAMBED MATERIAL SHALL BE INSTALLED ON THE CHANNEL BOTTOM AND POINT BARS AS DEFINED IN THE TYPICAL AND GRADING CROSS SECTIONS. STREAMBED MATERIAL SHALL TRANSITION TO MEET EXISTING STREAMBED MATERIAL AT UPSTREAM AND DOWNSTREAM LIMITS OF GRADED AREAS. FURNISHED STREAMBED MATERIAL SHALL HAVE A D50 OF 8.92mm AND A D86 OF 71.77mm.
5. SEE CONSTRUCTION DETAILS FOR SOIL STABILIZATION MATTING INSTALLATION.
6. CONTRACTOR SHALL CUT ALL VINES ON TREES WITHIN THE STREAMWORK LOD BY CUTTING AT THE BASE AND REMOVING THE ROOTS.
7. SEE EP-06 FOR SEQUENCE OF CONSTRUCTION.
8. CONTRACTOR SHALL FOLLOW PROCEDURES FOR REMOVAL OF INVASIVE SPECIES OUTLINED IN MONTGOMERY COUNTY PARK AND PLANNING "BEST MANAGEMENT PRACTICES FOR CONTROL OF NON-NATIVE INVASIVES"

CONTROL:
MARYLAND STATE PLANE COORDINATE SYSTEM (NAD 83/91) AND NAVD 88 VERTICAL DATUM

30 0 30 60'
SCALE: 1"=30'

NOTE: ACCESS ROUTES AND TREE PROTECTION MEASURES TO BE FIELD DETERMINED AT PRE-CONSTRUCTION MEETING

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION, DEPARTMENT OF PARK AND PLANNING

M-NCPPC RECORD FILE NO. 2006-12

REVIEWED BY

APPROVED BY

CHIEF, CONSTRUCTION SECTION

DATE APPROVED

THIS IS NOT A PERMIT TO BEGIN CONSTRUCTION

This approval is for technical review only. For permit information, contact Herb De Hoff, Construction Supervisor at (301) 495-2558.

PS-01

STATE OF MARYLAND CHARLES L. MCCURDY No. 11007 PROFESSIONAL ENGINEER

GPI GREENMAN-PEDERSEN, INC.
ENGINEERS, ARCHITECTS, PLANNERS, CONSTRUCTION ENGINEERS & INSPECTORS
10977 GUILFORD ROAD, ANNAPOLIS JUNCTION, MD. 20701
WASH.: (301) 470-2772 BALT.: (410) 880-3055
FAX: (301) 490-2649 www.gpinet.com

Coastal Resources, Inc.
ENVIRONMENTAL CONSULTANT
2988 Solomons Island Rd.
Edgewater, MD. 21037

CLIENT:
MR. DANIEL HARPER,
MARK WILCOX
MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION
255 ROCKVILLE PIKE
ROCKVILLE, MARYLAND 20850

MISS UTILITY
CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

WORK IS PROPOSED ON: LIBER xxxx FOLIO xxx

LOWER BOOZE CREEK STREAM RESTORATION

GRADING PLAN SHEET 1 OF 4

7TH ELECTION DISTRICT MONTGOMERY COUNTY, MARYLAND

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:

STORMWATER MANAGEMENT:
REVIEWED DATE
APPROVED DATE
S.M. FILE NO.

SEDIMENT CONTROL TECHNICAL REQUIREMENTS:
REVIEWED DATE
APPROVED DATE

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

ADMINISTRATIVE REQUIREMENTS:
REVIEWED DATE

SEDIMENT CONTROL PERMIT No.

MCDEP APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.

DESIGN- JSCG/RS
DRAFT- DDJS
APPROVED- LK
DATE: NOVEMBER 2010
SCALE: AS SHOWN
SHEET 5 OF 47
FILE NO:

FILE: n:\2002\2002085\2002085.03\DGN\Final Design\PS01LBC.dgn
DATE: 11/19/2010 4:07:06 PM

NOTE:

1. SEE STRUCTURE TABLES, FOR ALL DIMENSIONS AND ELEVATIONS OF STRUCTURES. SHEET DE-03.
2. TREES WITHIN THE LIMITS OF GRADING SHALL NOT BE REMOVED UNLESS OTHERWISE DIRECTED BY MONTGOMERY COUNTY. TREE REMOVAL IN PARKLAND SHALL REQUIRE M-NCPPC APPROVAL.
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7. SEE EP-06 FOR SEQUENCE OF CONSTRUCTION.
8. CONTRACTOR SHALL FOLLOW PROCEDURES FOR REMOVAL OF INVASIVE SPECIES OUTLINED IN MONTGOMERY COUNTY PARK AND PLANNING "BEST MANAGEMENT PRACTICES FOR CONTROL OF NON-NATIVE INVASIVES"

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION, DEPARTMENT OF PARK AND PLANNING

M-NCPPC RECORD FILE NO. 2006-12

REVIEWED BY

APPROVED BY

CHIEF, CONSTRUCTION SECTION

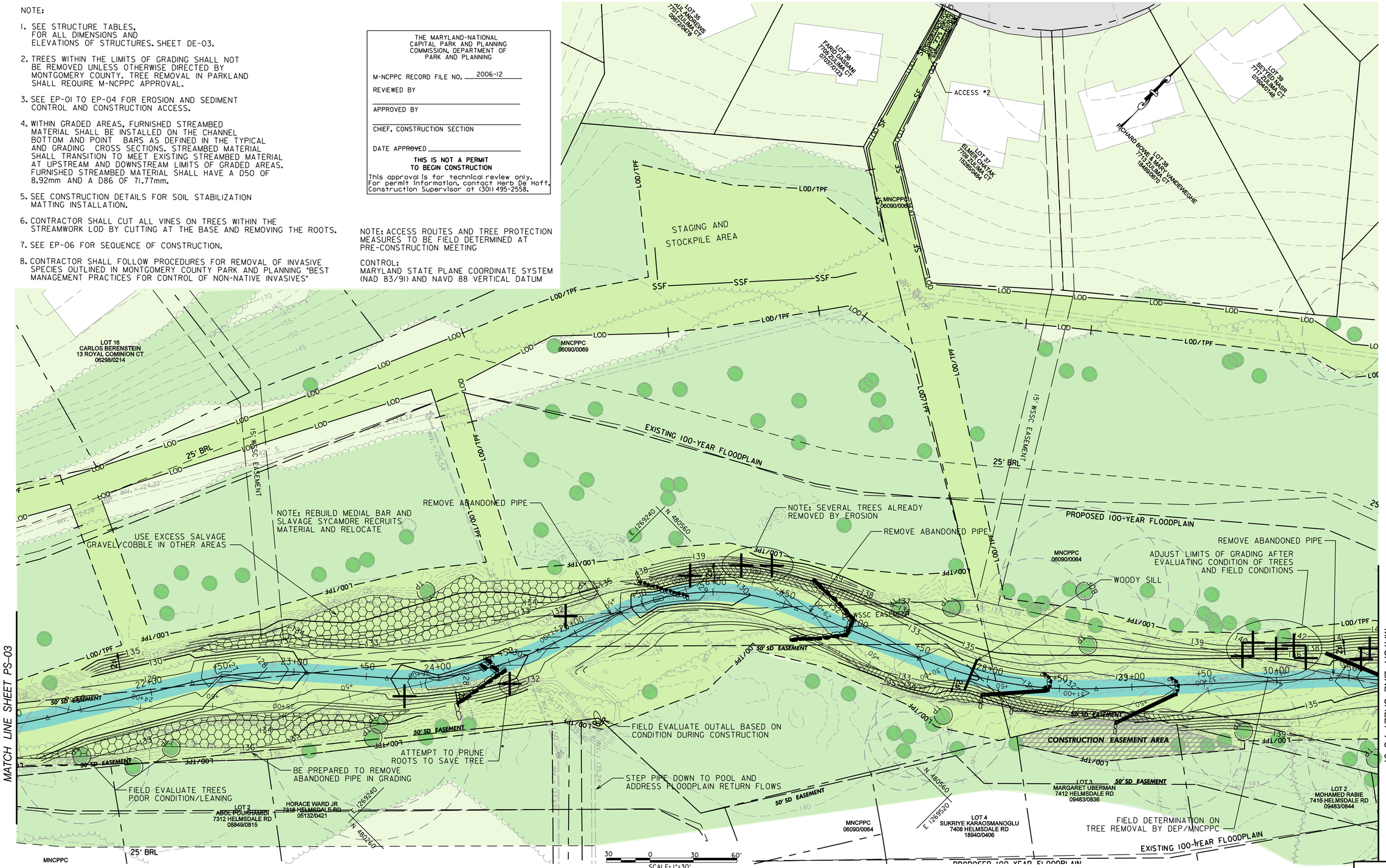
DATE APPROVED

THIS IS NOT A PERMIT TO BEGIN CONSTRUCTION

This approval is for technical review only. For permit information, contact Herb De Hoff, Construction Supervisor at (301) 495-2558.

NOTE: ACCESS ROUTES AND TREE PROTECTION MEASURES TO BE FIELD DETERMINED AT PRE-CONSTRUCTION MEETING

CONTROL:
MARYLAND STATE PLANE COORDINATE SYSTEM (NAD 83/91) AND NAVD 88 VERTICAL DATUM



PS-02

GPI GREENMAN-PEDERSEN, INC.
ENGINEERS, ARCHITECTS, PLANNERS, CONSTRUCTION ENGINEERS & INSPECTORS
10917 GUILFORD ROAD, ANNAPOLIS JUNCTION, MD. 20701
WASH. (301) 470-2772 BALT. (410) 880-3055
FAX: (301) 490-2649 www.gpinet.com

Coastal Resources, Inc.
ENVIRONMENTAL CONSULTANT
2888 Solomons Island Rd.
Edgewater, MD. 21037

CLIENT:
MR. DANIEL HARPER,
MARK WILCOX
MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION
255 ROCKVILLE PIKE
ROCKVILLE, MARYLAND 20850

MISS UTILITY
CALL "MISS UTILITY" AT 1-800-257-7777, 48 HOURS PRIOR TO THE START OF WORK. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDERGROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

WORK IS PROPOSED ON: LIBER 9483 FOLIO 836

NOTE: TREES 32" & 24" SHOULD BE EVALUATED FOR REMOVAL

LOWER BOOZE CREEK STREAM RESTORATION

GRADING PLAN SHEET 2 OF 4

7TH ELECTION DISTRICT MONTGOMERY COUNTY, MARYLAND

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:

STORMWATER MANAGEMENT:
REVIEWED DATE
APPROVED DATE
S.M. FILE NO.

SEDIMENT CONTROL TECHNICAL REQUIREMENTS:
REVIEWED DATE
APPROVED DATE

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

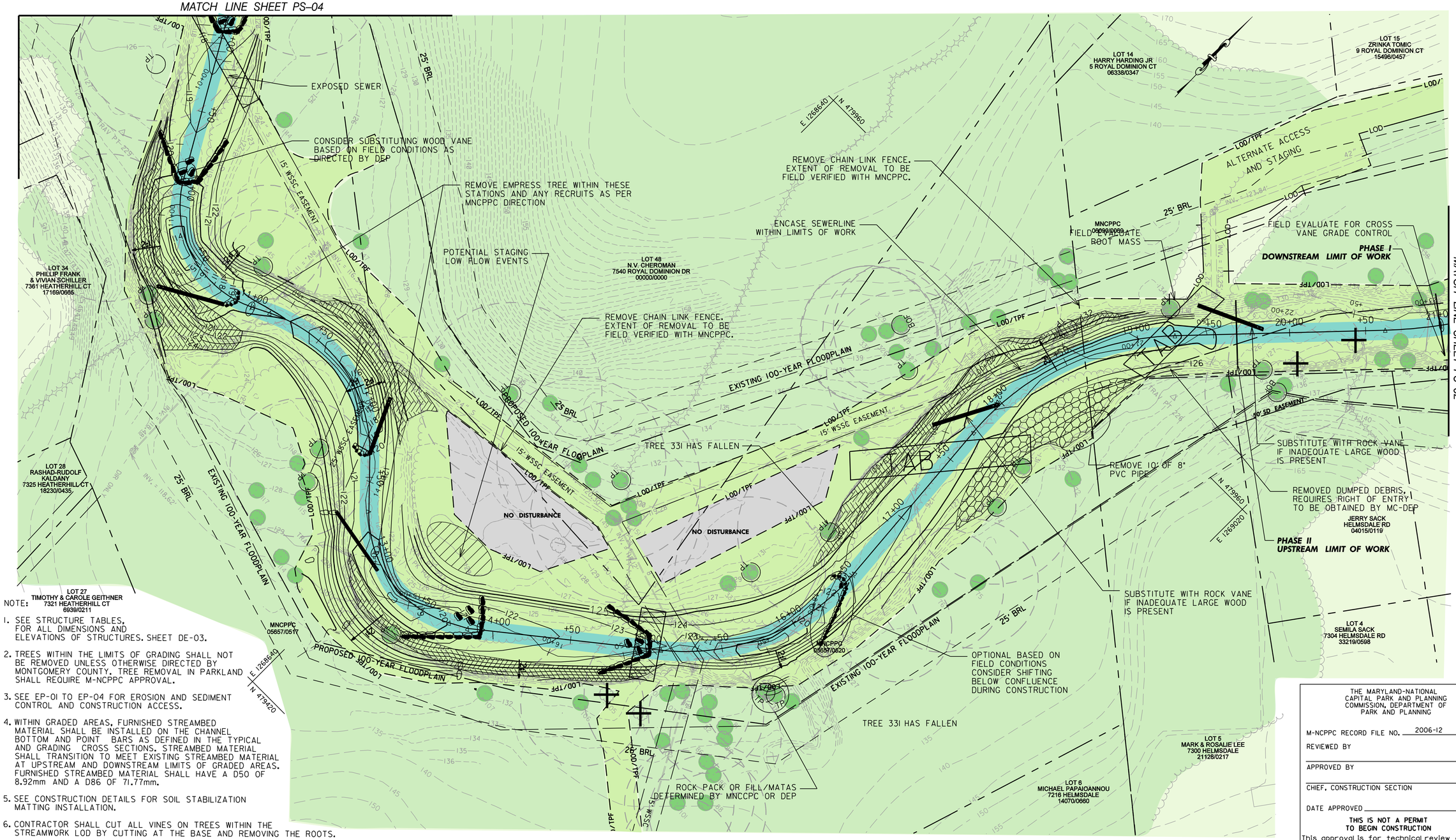
ADMINISTRATIVE REQUIREMENTS:
REVIEWED DATE
SEDIMENT CONTROL PERMIT No.

MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.

DESIGN- JSC/GRS
DRAFT- DD/JS
APPROVED- LK
DATE: NOVEMBER 2010
SCALE: AS SHOWN
SHEET 6 OF 47
FILE NO:

FILE: n:\2002\2002085\2002085.03\DGN\Final Design\PS02LBC.dgn
DATE: 11/19/2010 4:09:10 PM

MATCH LINE SHEET PS-04



MATCH LINE SHEET PS-02

NOTE:

1. SEE STRUCTURE TABLES, FOR ALL DIMENSIONS AND ELEVATIONS OF STRUCTURES. SHEET DE-03.
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7. SEE EP-06 FOR SEQUENCE OF CONSTRUCTION.
8. CONTRACTOR SHALL FOLLOW PROCEDURES FOR REMOVAL OF INVASIVE SPECIES OUTLINED IN MONTGOMERY COUNTY PARK AND PLANNING "BEST MANAGEMENT PRACTICES FOR CONTROL OF NON-NATIVE INVASIVES"

CONTROL:
MARYLAND STATE PLANE COORDINATE SYSTEM (NAD 83/91) AND NAVD 88 VERTICAL DATUM

30 0 30 60'
SCALE: 1"=30'

NOTE: ACCESS ROUTES AND TREE PROTECTION MEASURES TO BE FIELD DETERMINED AT PRE-CONSTRUCTION MEETING

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION, DEPARTMENT OF PARK AND PLANNING

M-NCPPC RECORD FILE NO. 2006-12

REVIEWED BY

APPROVED BY

CHIEF, CONSTRUCTION SECTION

DATE APPROVED

THIS IS NOT A PERMIT TO BEGIN CONSTRUCTION

This approval is for technical review only. For permit information, contact Herb De Hoff, Construction Supervisor at (301) 495-2558.

PS-03

STATE OF MARYLAND — MICHAEL L. MAY — No. 11007 — PROFESSIONAL ENGINEER

GPI GREENMAN-PEDERSEN, INC.
ENGINEERS, ARCHITECTS, PLANNERS, CONSTRUCTION ENGINEERS & INSPECTORS
10977 GUILFORD ROAD, ANNAPOLIS JUNCTION, MD. 20701
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FAX: (301) 490-2649 www.gpinet.com

Coastal Resources, Inc.
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2988 Solomons Island Rd.
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CLIENT:
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MONTGOMERY COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION
255 ROCKVILLE PIKE
ROCKVILLE, MARYLAND 20850

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WORK IS PROPOSED ON: LIBER xxxx FOLIO xxx

LOWER BOOZE CREEK STREAM RESTORATION

GRADING PLAN SHEET 3 OF 4

7TH ELECTION DISTRICT MONTGOMERY COUNTY, MARYLAND

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:

STORMWATER MANAGEMENT:
REVIEWED DATE
APPROVED DATE
S.M. FILE NO.

SEDIMENT CONTROL TECHNICAL REQUIREMENTS:
REVIEWED DATE
APPROVED DATE

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

ADMINISTRATIVE REQUIREMENTS:
REVIEWED DATE
SEDIMENT CONTROL PERMIT No.

MCDEP APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.

DESIGN- JSC/GRS
DRAFT- DDJS
APPROVED- LK
DATE: NOVEMBER 2010
SCALE: AS SHOWN
SHEET 7 OF 47
FILE NO:

FILE: n:\2002\2002085\2002085.03\DGN\Final Design\PS03LBC.dgn
DATE: 11/19/2010 4:10:04 PM

NOTE:

1. SEE STRUCTURE TABLES, FOR ALL DIMENSIONS AND ELEVATIONS OF STRUCTURES. SHEET DE-03.
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30 0 30 60'
SCALE: 1"=30'

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION, DEPARTMENT OF PARK AND PLANNING

M-NCPPC RECORD FILE NO. _____

REVIEWED BY _____

APPROVED BY _____

CHIEF, CONSTRUCTION SECTION

DATE APPROVED _____

THIS IS NOT A PERMIT TO BEGIN CONSTRUCTION

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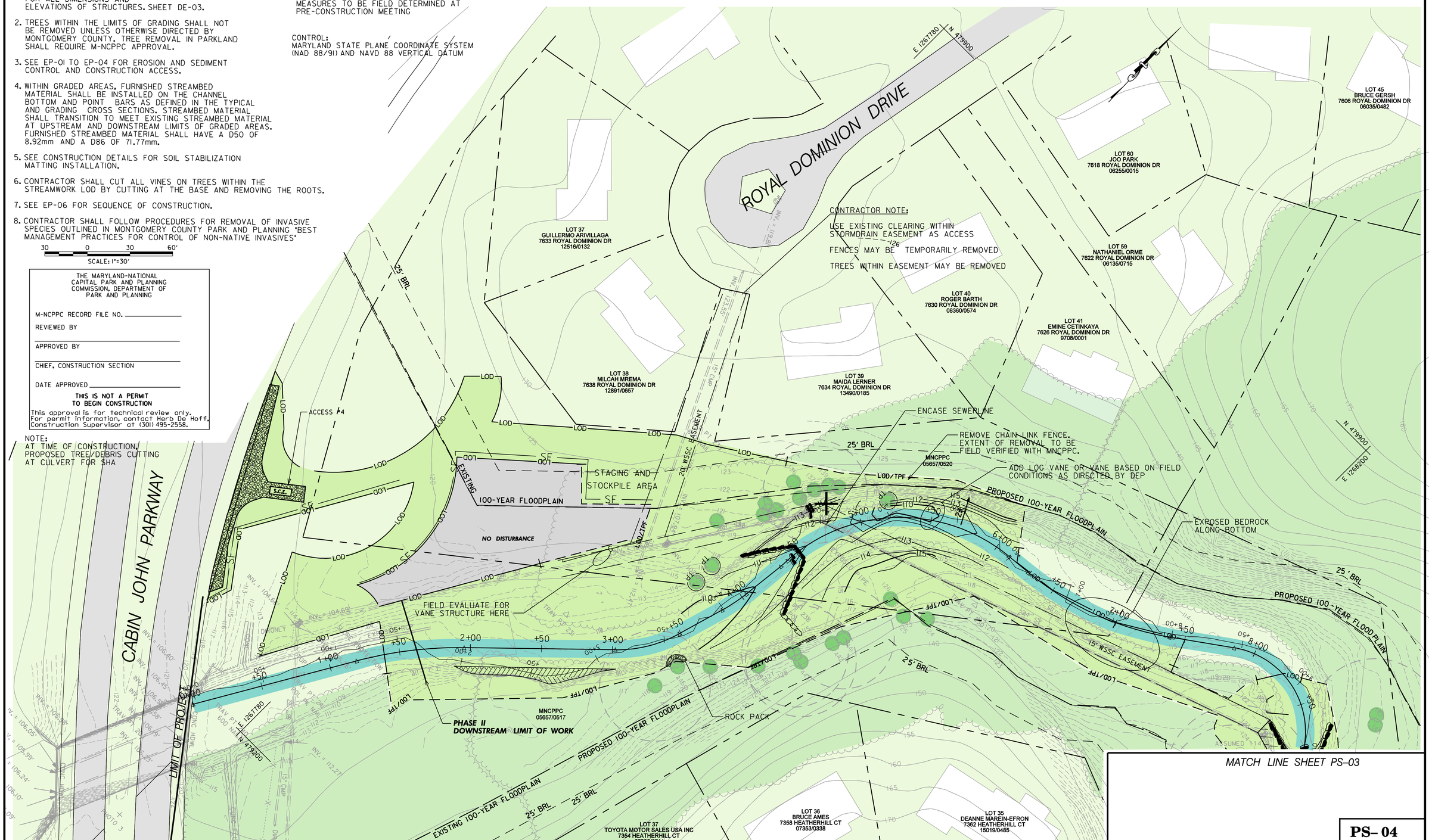
NOTE: ACCESS ROUTES AND TREE PROTECTION MEASURES TO BE FIELD DETERMINED AT PRE-CONSTRUCTION MEETING

CONTROL:
MARYLAND STATE PLANE COORDINATE SYSTEM (NAD 88/91) AND NAVD 88 VERTICAL DATUM

NOTE:
AT TIME OF CONSTRUCTION, PROPOSED TREE/DEBRIS CUTTING AT CULVERT FOR SHA



PS- 04

DESIGN-	JSC/GRS
DRAFT-	DDJS
APPROVED-	LK
DATE:	NOVEMBER 2010
SCALE:	AS SHOWN
SHEET	8 OF 47
FILE NO:	

STATE OF MARYLAND — GILES L. MOCK — No. 11007 — PROFESSIONAL ENGINEER

GPI GREENMAN-PEDERSEN, INC.
ENGINEERS, ARCHITECTS, PLANNERS, CONSTRUCTION ENGINEERS & INSPECTORS
10977 GUILFORD ROAD, ANNAPOLIS JUNCTION, MD. 20701
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255 ROCKVILLE PIKE
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LOWER BOOZE CREEK STREAM RESTORATION

GRADING PLAN SHEET 4 OF 4

7TH ELECTION DISTRICT MONTGOMERY COUNTY, MARYLAND

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:

STORMWATER MANAGEMENT:
REVIEWED DATE
APPROVED DATE
S.M. FILE NO.

SEDIMENT CONTROL TECHNICAL REQUIREMENTS:
REVIEWED DATE
APPROVED DATE

NOTE: MCDPS APPROVAL DOES NOT NEGATE THE NEED OF A MCDPS ACCESS PERMIT.

ADMINISTRATIVE REQUIREMENTS:
REVIEWED DATE
SEDIMENT CONTROL PERMIT No.

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FILE: n:\2002\2002085\2002085.03\DGN\Final Design\PS04LBC.dgn
DATE: 11/19/2010 4:12:31 PM