

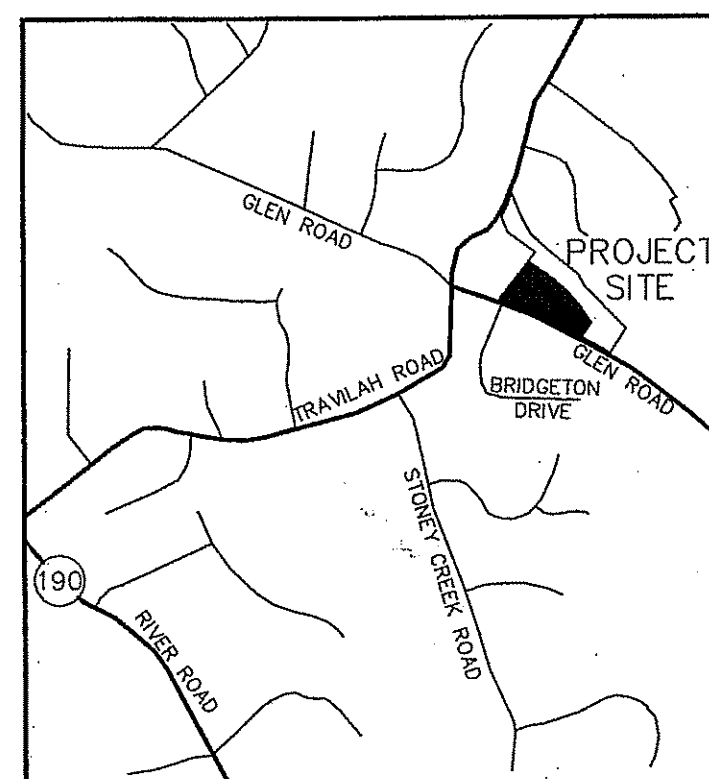
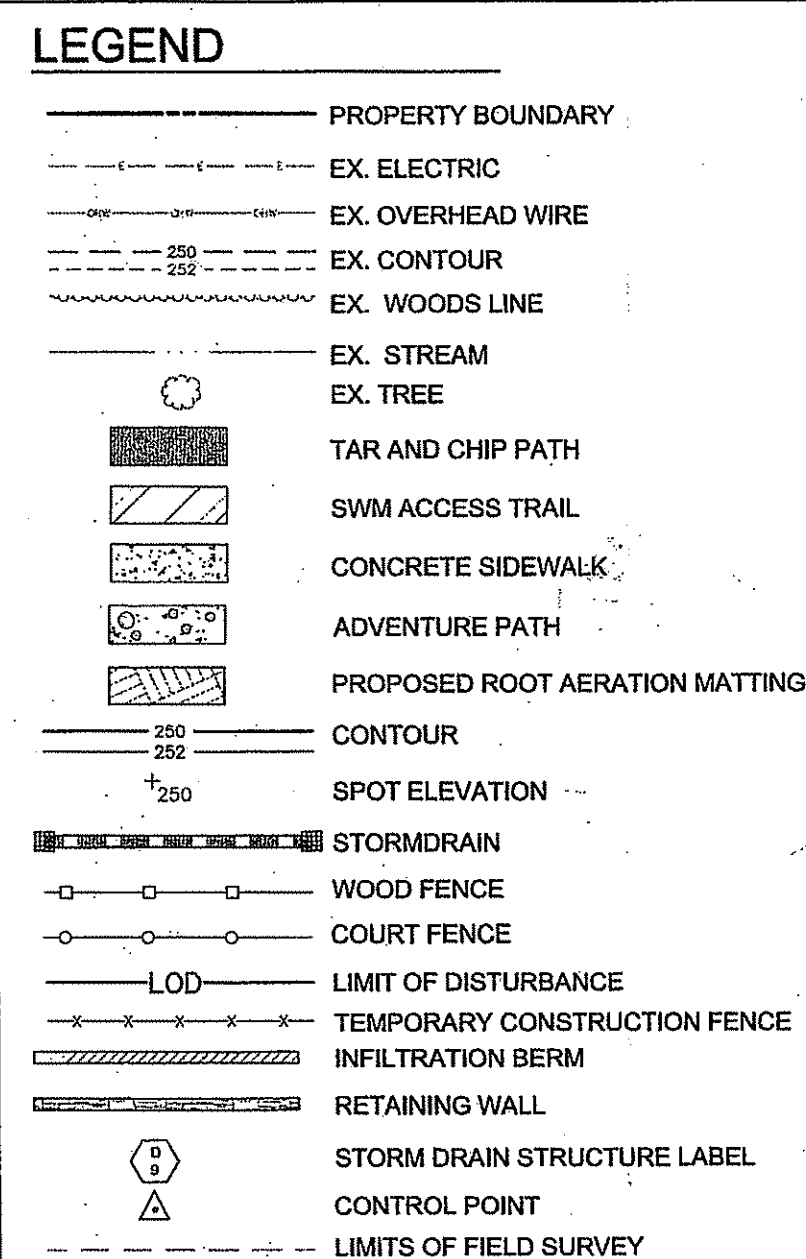
GREENBRIAR LOCAL PARK

12525 GLEN ROAD, POTOMAC, MARYLAND 20854

100% CONSTRUCTION DOCUMENT SUBMITTAL

MAY 2013

Sheet #	Drawing Number	Plan Name
1 of 79	C0.0	Cover Sheet
2 of 79	C0.1	Existing Conditions Plan
3 of 79	C1.0	Overall Site Plan
4 of 79	ADA 1	ADA Accessibility Plan 1
5 of 79	ADA 2	ADA Accessibility Plan 2
6 of 79	C1.1	Civil Site Plan 1
7 of 79	C1.2	Civil Site Plan 2
8 of 79	C1.3	Civil Site Plan Enlargements
9 of 79	L0.1	Soils Key Plan
10 of 79	L1.0	Hardscape Site Plan 1
11 of 79	L1.1	Hardscape Site Plan 2
12 of 79	L2.0	Hardscape Enlargement Plan - Entrance Terrace and Walk
13 of 79	L2.1	Hardscape Enlargement Plan - Upper Terrace and Seat Walls
14 of 79	L2.2	Hardscape Enlargement Plan - Play Area
15 of 79	L2.3	Play Equipment Plans
16 of 79	L3.0	Planting Plan 1
17 of 79	L3.1	Planting Plan 2
18 of 79	L3.2	Planting Notes and Plant List
19 of 79	C1.4	Drainage Area Map - Storm Drain
20 of 79	C1.5	Storm Drain Notes, Details and Profiles
21 of 79	C1.6	Storm Drain Notes, Details and Profiles
22 of 79	C1.7	Storm Drain Notes, Details and Profiles
23 of 79	C1.8	Storm Drain Notes, Details and Profiles
24 of 79	C2.0	Civil - Site Paving Details
25 of 79	C2.1	Civil - ADA and Sign Details
26 of 79	C2.2	Civil - Court Details
27 of 79	L3.3	Planting Details
28 of 79	L4.0	Hardscape Construction Details - Elevations
29 of 79	L4.1	Hardscape Construction Details - Section-Elevations
30 of 79	L4.2	Hardscape Construction Details - Paving
31 of 79	L4.3	Hardscape Construction Details - Walls
32 of 79	L4.4	Hardscape Construction Details - Walls-Stairs
33 of 79	L4.5	Hardscape Construction Details - Furniture
34 of 79	L4.6	Hardscape Construction Details - Rails-Arch ETC.
35 of 79	L4.7	Hardscape Construction Details - Wood Rails-Mounds ETC.
36 of 79	L4.8	Play Equipment Elevations I
37 of 79	L4.9	Play Equipment Elevations II
38 of 79	A1.0	Pavilion and Trellis Floor Plans
39 of 79	A1.1	Pavilion and Trellis Roof Plans
40 of 79	A1.2	Pavilion and Trellis Elevations
41 of 79	A1.3	Pavilion and Trellis Views
42 of 79	A1.4	Pavilion and Trellis Sections
43 of 79	A1.5	Pavilion and Trellis Details
44 of 79	S1.0	Structural and General Notes and Details
45 of 79	S1.1	Structural Foundation and Framing Plan
46 of 79	S1.2	Sections
47 of 79	SC1.0	Sediment Control/SWM - Plan Cover Sheet
48 of 79	SC1.1	Overall Sediment & Erosion Control Plan for Rough Grading Phase
49 of 79	SC1.2	Sediment and Erosion Control - Plan 1 for Rough Grading Phase
50 of 79	SC1.3	Sediment and Erosion Control - Plan 2 for Rough Grading Phase
51 of 79	SC1.4	Sediment and Erosion Control - Plan 3 for Rough Grading Phase
52 of 79	SC1.5	Overall Sediment & Erosion Control Plan for Final Construction Phase
53 of 79	SC1.6	Sediment and Erosion Control - Plan 1 for Final Construction Phase
54 of 79	SC1.7	Sediment and Erosion Control - Plan 2 for Final Construction Phase
55 of 79	SC1.8	Sediment and Erosion Control - Plan 3 for Final Construction Phase
56 of 79	SC1.9	Sediment Control - Details and Notes 1
57 of 79	SC1.10	Sediment Control - Details and Notes 2
58 of 79	SC1.11	Sediment Control - Details and Notes 3
59 of 79	SC1.12	Sediment Control - Details and Notes 4
60 of 79	SWM1.0	Drainage Area Map - Stormwater Management
61 of 79	SWM1.1	Stormwater Management Plan, Notes and Details - Grass Swales
62 of 79	SWM1.2	Stormwater Management Plan, Notes and Details - Infiltration Berms
63 of 79	SWM1.3	Stormwater Management Plan, Notes and Details - Micro-Biofilter #1 and #2
64 of 79	SWM1.4	Stormwater Management Plan, Notes and Details - Micro-Biofilter #3
65 of 79	SWM1.5	Stormwater Management Plan, Notes and Details
66 of 79	SWM1.6	Stormwater Management Landscape Plan
67 of 79	RW1.0	Right of Way Improvement Plan - Cover Sheet
68 of 79	RW1.1	Right of Way Improvement Plan
69 of 79	FCP1.0	Final Forest Conservation Plan Composite Sheet
70 of 79	FCP1.1	Detailed Final Forest Conservation Plan
71 of 79	FCP1.2	Detailed Final Forest Conservation Plan
72 of 79	FCP1.3	Detailed Final Forest Conservation Plan
73 of 79	FCP1.4	Detailed Final Forest Conservation Plan
74 of 79	FCP1.5	Detailed Final Forest Conservation Plan
75 of 79	FCP1.6	Detailed Final Forest Conservation Plan
76 of 79	TC1.0	Traffic Control Plan - Cover Sheet
77 of 79	TC1.1	Traffic Control Plan - Phase 1 Eastern Vehicle Entrance
78 of 79	TC1.2	Traffic Control Plan - Phase 2 Western Vehicle Entrance
79 of 79	TC1.3	Traffic Control Plan - Phase 3 Pedestrian Connection



GENERAL NOTES

- CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO SUBMITTING BID TO BECOME FAMILIAR WITH EXISTING CONDITIONS, DIFFICULTIES, AND RESTRICTIONS ASSOCIATED WITH PERFORMING WORK REQUIRED UNDER THE CONTRACT.
- UNLESS OTHERWISE NOTED, ALL WORK SHALL BE NEW AND M-NCPPC WILL NOT PROVIDE ANY EQUIPMENT, MATERIAL OR LABOR FOR THE WORK.
- ERRORS AND OMISSIONS IN THE BID DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF M-NCPPC PRIOR TO SUBMITTING THE BID. FAILURE TO DO SO WILL NOT BE CONSIDERED A REASON FOR ADDITIONAL COMPENSATION.
- ALL NOTES AND DETAILS SHOWN ON THE DRAWINGS ARE TYPICAL UNLESS OTHERWISE NOTED.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH LATEST APPLICABLE CODES, STANDARDS AND SPECIFICATIONS OF M-NCPPC, MONTGOMERY COUNTY, MARYLAND STATE AND FEDERAL REQUIREMENTS.
- A PRE-CONSTRUCTION MEETING WILL BE SCHEDULED AND CONDUCTED BY THE CONSTRUCTION MANAGER PRIOR TO START OF ANY CONSTRUCTION RELATED ACTIVITY AT THE PROJECT SITE, EXCEPT LIMITED CLEARING FOR STAKEOUT AND FLAGGING OF THE LIMIT OF DISTURBANCE (LOD).
- THE LOD SHALL BE APPROVED BY THE CONSTRUCTION MANAGER AND APPROPRIATE PERMITTING AGENCIES. THE CONSTRUCTION MANAGER MAY REQUIRE MINOR ADJUSTMENTS TO THE LOD TO REDUCE IMPACTS ON EXISTING INFRASTRUCTURE AND NATURAL RESOURCES THAT ARE TO REMAIN. THIS ADJUSTMENT SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE M-NCPPC.
- CONTRACTOR SHALL VERIFY, IN THE FIELD, ALL DIMENSIONS PROVIDED ON DRAWINGS AND SPECIFICATIONS BEFORE STARTING CONSTRUCTION ACTIVITY. THE CONSTRUCTION MANAGER SHALL BE NOTIFIED IN WRITING OF ANY DISCREPANCIES BEFORE PROCEEDING FURTHER WITH THE WORK.
- ALL EXISTING SITE FEATURES AND CONDITIONS TO REMAIN SHALL BE VERIFIED, PHOTOGRAPHED AND DOCUMENTED PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCIES OR PRE-EXISTING DAMAGE SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER BEFORE PROCEEDING WITH WORK. ANY DAMAGE TO EXISTING FACILITIES OR FEATURES AFTER THE ONSET OF CONSTRUCTION SHALL BE FULLY CORRECTED IN ACCORDANCE WITH M-NCPPC REQUIREMENTS AND TO THE SATISFACTION OF THE CONSTRUCTION MANAGER AT NO ADDITIONAL COST TO M-NCPPC.
- THE M-NCPPC CONSTRUCTION MANAGER MAY REQUEST THAT THE CONTRACTOR STAKE-OUT PROPOSED FACILITIES FOR M-NCPPC REVIEW AND APPROVAL. M-NCPPC RESERVES THE RIGHT TO ADJUST LOCATIONS AS NECESSARY; HOWEVER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ADJUSTMENTS WITH ALL OTHER IMPROVEMENTS.
- PRIOR TO START OF CONSTRUCTION, TREE PROTECTION MEASURES SHALL BE INSTALLED BY THE CONTRACTOR AND APPROVED BY THE CONSTRUCTION MANAGER. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN TREE PROTECTION MEASURES THROUGHOUT CONSTRUCTION.
- IF IT IS DETERMINED THAT ANY TREES ARE DAMAGED DURING CONSTRUCTION, A CERTIFIED ARBORIST SHALL PERFORM AN INSPECTION OF THE DAMAGED TREES AND SUBMIT A REPORT TO THE CONSTRUCTION MANAGER RECOMMENDING APPROPRIATE CORRECTIVE ACTION, EITHER TO REPAIR OR REPLACE. IF APPROVED BY THE CONSTRUCTION MANAGER, CORRECTIVE WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO M-NCPPC.
- LOCATION OF THE STABILIZED CONSTRUCTION ENTRANCES AND ACCESS ROUTES SHALL BE IDENTIFIED AND ADJUSTED IN THE FIELD AND APPROVED BY THE CONSTRUCTION MANAGER.
- STAGING AND STORAGE AREAS SHALL BE APPROVED BY THE CONSTRUCTION MANAGER AND SHALL BE SECURED BY THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO M-NCPPC.
- ALL EXISTING UTILITIES AT THE PROJECT MAY NOT BE SHOWN ON THE DRAWINGS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND CLEARLY IDENTIFY ALL UTILITIES WITHIN OR ADJACENT TO THE LOD PRIOR TO THE START OF ALL CONSTRUCTION RELATED ACTIVITIES. ALL UTILITIES WITHIN THE LOD SHALL BE STAKED AND FLAGGED.
- THE CONSTRUCTION MANAGER SHALL BE NOTIFIED IMMEDIATELY IF EXISTING UTILITIES ARE FOUND WITHIN THE WORK AREA (DURING UTILITY SURVEY) THAT ARE NOT SHOWN ON THE DRAWINGS.
- DAMAGES TO EXISTING UTILITIES SHALL BE CORRECTED IMMEDIATELY IN ACCORDANCE WITH THE REQUIREMENTS OF THE AFFECTED UTILITY AND AT NO COST TO M-NCPPC. UPON COMPLETION OF THE CORRECTIVE ACTION A COPY OF THE APPROVAL DOCUMENT FROM THE UTILITY SHALL BE SUBMITTED TO THE CONSTRUCTION MANAGER.
- ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL MEET CURRENT MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES STANDARDS AND DIRECTIVES. THESE SHALL BE APPROVED BY THE PERMITTING AUTHORITIES PRIOR TO THE START OF CONSTRUCTION.
- BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR'S ON-SITE REPRESENTATIVE SHALL PROVIDE THE CONSTRUCTION MANAGER WITH A COPY OF A CERTIFICATE OF ATTENDANCE FROM THE DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION.
- UPON COMPLYING WITH ALL APPLICABLE REQUIREMENTS STATED ABOVE, CONSTRUCTION OF THE PROJECT WITHIN THE APPROVED LOD MAY COMMENCE.

- NO WORK SHALL BE PERFORMED OUTSIDE OF THE LOD. AREAS DISTURBED OUTSIDE APPROVED LOD SHALL BE RESTORED IMMEDIATELY TO THE SATISFACTION OF CONSTRUCTION MANAGER AT NO COST TO M-NCPPC.
- DURING CONSTRUCTION, THE FACILITY SHALL REMAIN CLOSED TO THE GENERAL PUBLIC.
- DISCREPANCIES, OMISSIONS, AMBIGUITIES, OR CONFLICTS IN OR AMONG THE CONSTRUCTION DOCUMENTS, OR DOUBT ABOUT THEIR MEANINGS SHALL BE BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER FOR DIRECTION BEFORE PROCEEDING WITH WORK. IF A CONFLICT EXISTS, THE MOST STRINGENT REQUIREMENT SHALL GOVERN UNLESS OTHERWISE DIRECTED IN WRITING BY M-NCPPC'S CONSTRUCTION MANAGER.
- ALL GRADING WORK SHALL PROVIDE POSITIVE DRAINAGE, UNLESS OTHERWISE SHOWN.
- ROADWAY AND PARKING AREAS SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION IN A CLEAN CONDITION. APPROPRIATE MEANS SHALL BE PROVIDED TO CLEAN MUD AND DUST FROM THESE AREAS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE TRUCKS AND OTHER EQUIPMENT SHALL NOT TRACK MUD ONTO NEARBY ROADWAYS.
- ALL PLANTING SUBSTITUTIONS SHALL BE APPROVED BY THE CONSTRUCTION MANAGER. PLANT MATERIALS AND LOCATIONS SHALL BE INSPECTED BY THE CONSTRUCTION MANAGER PRIOR TO INSTALLATION. CONSTRUCTION MANAGER SHALL BE NOTIFIED AT LEAST THREE (3) WORKING DAYS IN ADVANCE FOR INSPECTION.
- PRIOR TO VEGETATIVE STABILIZATION, TOP SOIL SHALL BE APPLIED TO ALL DISTURBED AREAS. THIS SHALL BE IN ACCORDANCE WITH THE MONTGOMERY COUNTY STANDARDS AND SPECIFICATIONS FOR TOPSOIL. IF ON-SITE MATERIALS DO NOT MEET REQUIREMENTS FOR TOPSOIL, TULLING-IN OF CERTIFIED COMPOST INTO ON-SITE SOILS TO MEET SPECIFICATIONS SHALL BE COORDINATED WITH THE CONSTRUCTION MANAGER. CONTRACTOR IS RESPONSIBLE TO PERFORM NECESSARY TESTING ON TOPSOIL TO BE SPREAD AND OBTAIN APPROVAL FROM CONSTRUCTION MANAGER PRIOR TO COMMENCEMENT OF GRADING ACTIVITIES.
- TOPOGRAPHY INFORMATION IS TAKEN FROM MONTGOMERY COUNTY GIS AND SURVEY DATA FROM DENVERBY AND DAVIS, DATE UNKNOWN.
- SUPPLEMENTAL FIELD NUM TOPOGRAPHIC SURVEY PROVIDED BY V&A Maryland, LLC ON JULY 2011. SURVEY IS IN STATE PLANE DATUM (NAD83 AND NAVD83). BOUNDARIES SHOWN ARE DERIVED FROM DEED AND PLAT INFORMATION.
- 30-YEAR FLOODPLAIN SHOWN ON DRAWINGS IS FROM THE APPROVED PRELIMINARY PLAN FOR TRAVILAH PARK (M-NCPPC 1385), PLAN NO. 13577.
- SITE IS LOCATED IN THE POTOMAC RIVER WATERSHED WITHIN MONTGOMERY COUNTY, HUNGERFORD SITE DRAIN TO SANDY BRANCH TRIBUTARY.
- ALL CONTRACTORS SHALL BE REQUIRED TO COMPLETELY REMOVE ALL TRASH, DEBRIS, AND EXCESS MATERIALS FROM THE WORK AREA AND THE PROPERTY ESPECIALLY AT ALL CURB, GUTTERS AND SIDEWALKS) DAILY DURING INSTALLATION.
- THE CONTRACTOR IS RESPONSIBLE FOR INSURING THAT ALL ELEMENTS ARE CONSTRUCTED IN ACCORDANCE WITH THE DESIGN DOCUMENTS AND CONTRACT CONDITIONS INCLUDING THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN (ADA) AND UPDATES. IF THE CONTRACTOR OBSERVES THAT PROVISIONS OF THE PROJECT ARE NON-COMPLIANT WITH THE ADA, HE SHALL NOTIFY THE CONSTRUCTION MANAGER SO THAT A FIELD ADJUSTMENT CAN BE MADE TO INSURE COMPLIANCE. GRADE TOLERANCES SHALL BE MEASURED WITH A 2 FOOT DIGITAL LEVEL.

LIST OF MOCK UP PAVING AND STONE STAIRS, WALLS, PIERS, SAFETY RAILS

- COLORLED CONCRETE SAMPLE PANEL (SECTION 603, SECTION 03351, SECTION)
- EXPOSED AGGREGATE CONCRETE PAVING SHOWING SAW CUT JOINTS, COLOR, AGGREGATE ETC. (SECTION 603)
- COLORLED CONCRETE SIDEWALK SHOWING SAW CUT JOINTS, COLOR ETC. (SECTION 603)
- BLUESTONE PAVERS ON CONCRETE BASE WITH MORTAR JOINTS-RANDOM RECTILINEAR PATTERN (SECTION 02870)
- BLUESTONE PAVERS ON CONCRETE BASE WITH MORTAR JOINTS-STACKED PATTERN (SECTION 02870)
- ADVENTURE WALK WITH GLASS PAVERS AND STONE INSET PAVING (SECTION 02870)
- STONE TRANSITION BAND ON CONCRETE BAND WITH MORTAR JOINTS (SECTION 02870)
- STONE TRANSITION BAND ON ASPHALT BASE WITH SAND FILLED HAND TIGHT JOINTS (SECTION 02870)
- STONE STAIR SLAB (SECTION 02870)
- CAST IN PLACE ARCHITECTURAL COLORED CONCRETE WALLS WITH JOINTS AND FINISH (SECTION 03331)
- STONE VENEER SITE WALLS (SECTION 04862)
- STONE VENEER PIERS AT TRELIS AND PAVILION (SECTION 04862)
- SAFETY RAIL PANEL (STEEL MESH) AT PLAY AREA TERRACE (SECTION 05721)
- SAFETY RAIL PANEL (METAL PANEL) AT BRIDGE TO PLAY AREA (SECTION 05721)
- METAL PANEL ROOF WITH WOOD DECKING (SECTION 07412 AND 06152)

MISS UTILITY
The Contractor shall call "Miss Utility" at 1-800-257-7777, 48 hours prior to the start of work. The Contractor is responsible for ensuring that all underground utilities in the area of proposed work are located prior to commencing construction work. The Contractor is responsible for compliance with requirements of Chapter 36A of the Montgomery County Code.

The Contractor is also responsible for locating all private utilities (not located by Miss Utility) within M-NCPPC property at their expense. All utilities shown on the plans are provided for information only and shall be considered approximate. M-NCPPC shall not be responsible for locating underground utilities. Any utilities or other underground facilities damaged during construction shall be repaired/replaced at the Contractor's expense.

UTILITY SURVEY & RELOCATION CERTIFICATION				
UTILITY	DATE REQUESTED	DATE RECEIVED	SHOWN ON PLANS (Y/N)	RELOCATION REQ'D (Y/N)
PEPCO	5/5/2011	6/7/2011	Y	Y
WSSC				
AT&T	5/5/2011	5/18/2011	Y	
WG&L	5/5/2011	5/13/2011	N/A	
VERIZON	5/5/2011	5/11/2011	N/A	
COMCAST	5/5/2011		N/A	

UTILITY STATEMENT
THE ABOVE UTILITY COMPANIES HAVE BEEN CONTACTED REGARDING EXISTING UTILITIES WITHIN THIS PROJECT AREA AND INFORMATION SHOWN ON THESE DRAWINGS WAS OBTAINED FROM AVAILABLE RECORDS. HENCE, ANY UTILITY MODIFICATIONS REQUIRED BY THIS PROJECT HAVE BEEN COORDINATED WITH THE APPROPRIATE UTILITY COMPANIES. THIS STATEMENT DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY FOR FIELD LOCATING AND VERIFYING ALL UNDERGROUND UTILITIES PRIOR TO STARTING CONSTRUCTION.

Name/Title _____ Date _____

- SEDIMENT CONTROL/STORMWATER MANAGEMENT CERTIFICATION -

OWNER'S/DEVELOPER'S CERTIFICATE

"I/We hereby certify that all clearing, grading, construction and/or development will be done pursuant to this plan and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning this project."

Signature: *Michael B. Goodman* Date: *6/19/13*

Signature: _____ Date: _____

Printed Name and Title: _____

CERTIFICATION OF THE QUANTITIES

"I hereby certify that the amount of excavation and fill as shown on these plans has been computed to 22,000 cubic yards of excavation, 22,000 cubic yards of fill and the total area to be disturbed as shown on these plans has been determined to be 368,247 square feet."

Signature: *Michael B. Goodman* Date: *6/19/13*

Signature: _____ Date: _____

Printed Name: _____ Registration Number: *MD 27721*

Note: The earthwork cut and fill quantities and the area of disturbance indicated in this certificate are calculated for the purpose of plan Approval and should not be used for contractual obligations.

DESIGN CERTIFICATION

"I hereby certify that this plan has been prepared in accordance with the "1984 Maryland Standards and Specifications for Soil Erosion and Sediment Control", Montgomery County Department of Permitting Services Executive Regulations 5-90, 7-02AM and 36-90, and Montgomery County Department of Public Works and Transportation "Storm Drain Design Criteria", dated August 1988."

Signature: *Michael B. Goodman* Date: *6/19/13*

Signature: _____ Date: _____

Printed Name: _____ Registration Number: *MD 27721*

M-NCPPC SWM MAINTENANCE CERTIFICATION

I hereby certify that the M-NCPPC Montgomery County Department of Parks will assume non-structural maintenance responsibilities for all stormwater management (SWM) structures as listed and shown, hereon, in accordance with the RIGHT OF ENTRY between M-NCPPC and the Department of Environmental Protection dated 9/7/2007. If, for any reason, future improvements on Parkland are planned that would impact any of the SWM facilities included herein, M-NCPPC will notify the Department of Environmental Protection during the facility planning/preliminary design stages for such improvements.

Approved By: *Mita Pedersen* Date: *6/16/13*

Signature: _____ Date: _____

Printed Name: _____ Registration Number: _____

Montgomery County Department of Parks

ADA COMPLIANCE CERTIFICATION

The design of this project has incorporated facilities for the elderly and handicapped in compliance with the County, State and Federal legislation.

Signature: *Michael B. Goodman* Date: *6/19/13*

Signature: _____ Date: _____

Design Engineer _____ Date _____

MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES APPROVED FOR:

Stormwater Management: _____

Sediment Control Technical Requirements: _____

Administrative Requirements: _____

Reviewed _____ Date _____

Approved _____ Date _____

SM FILE # _____

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

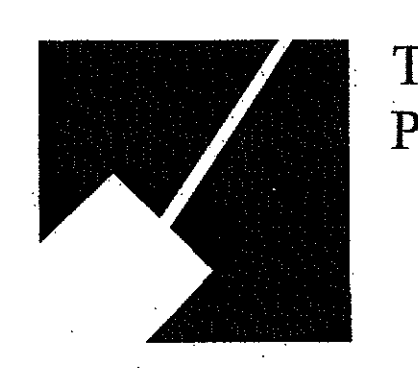
MCDPS APPROVAL OF THIS PLAN WILL EXPIRE ONE YEAR FROM THE DATE OF APPROVAL IF THE PROJECT HAS NOT STARTED UNLESS THE PERMIT HAS BEEN EXTENDED.

"FOR LOCATION OF UTILITIES CALL 8-1-1 or 1-800-257-7777 OR LOG ON TO www.call811.com or http://www.missutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY"

hord coplan macht
HORD COPLAN MACHT, INC.
ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN
750 E. Pratt Street Suite 1100
Baltimore, MD 21202
410 837 7311
410 837 6500 fax
www.hcm2.com

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VIVA MARYLAND, LLC
20251 CENTURY BOWLINGW * SUITE 400 * GERMANTOWN, MARYLAND 20854
20251 CENTURY BOWLINGW * SUITE 400 * GERMANTOWN, VA
20251 CENTURY BOWLINGW * SUITE 400 * MLEAN, VA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 27721
Expiration Date 07-19-2014



The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

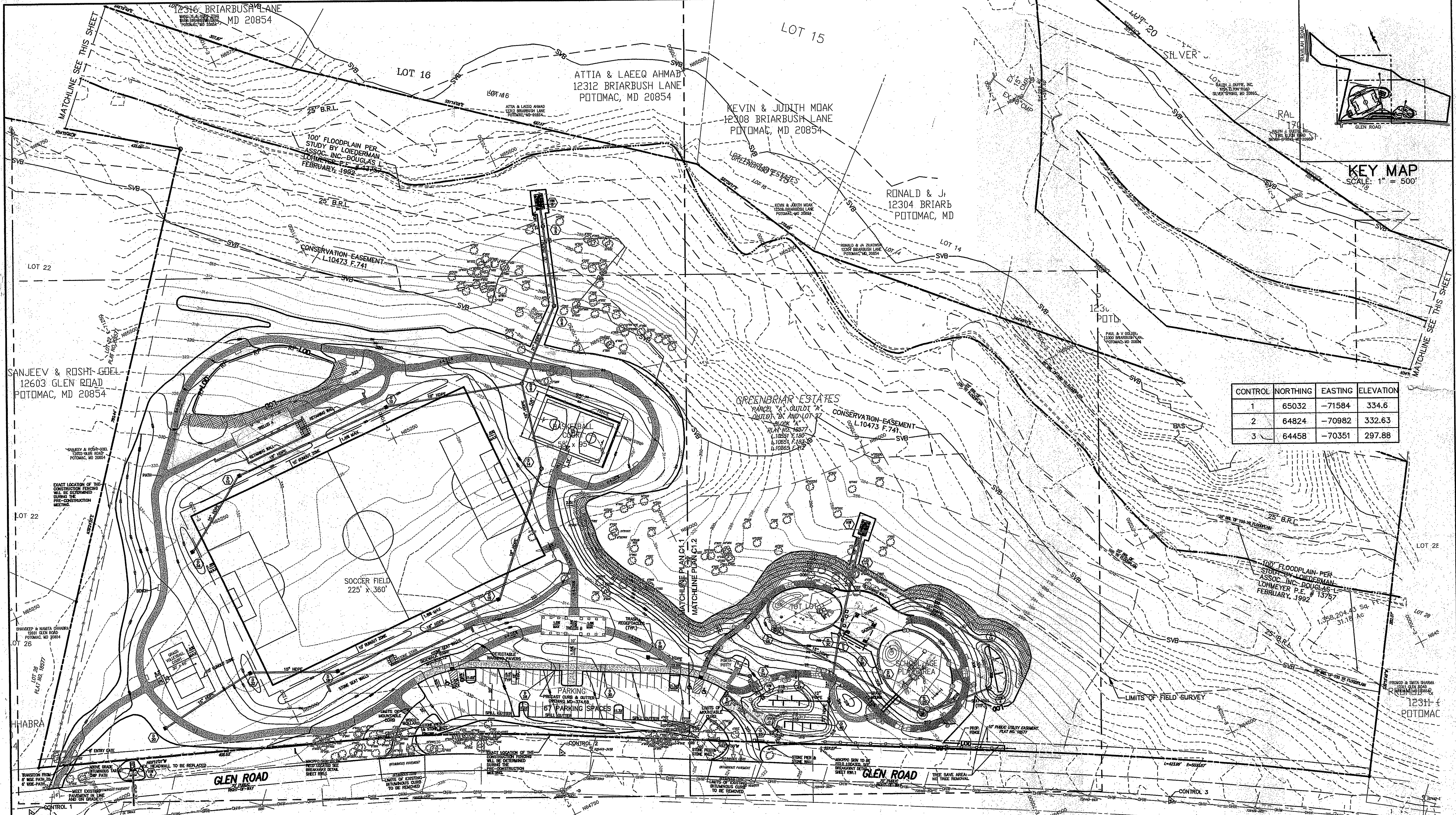
REVIEW AND APPROVAL

Project Manager	Date	Signature
Project Engineer	Date	Signature
Construction Manager	Date	Signature
Park Manager	Date	Signature

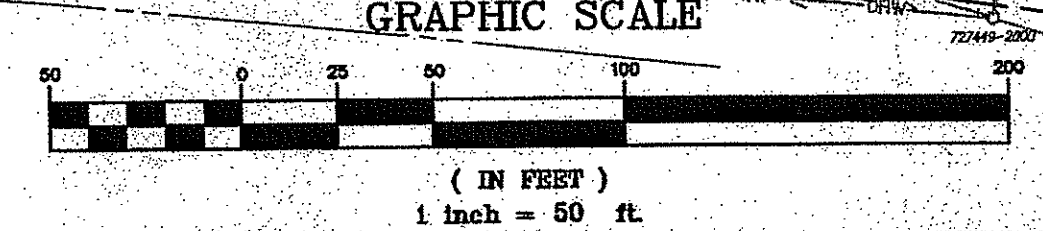
ISSUED FOR PROCUREMENT ON

Rev. No.	Date	Description

COVER SHEET
GREENBRIAR LOCAL PARK
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312
SCALE: AS SHOWN
DWG. # 1 of 1
C0.0
SHT. # 1 of 79



CONTROL	NORTHING	EASTING	ELEVATION
1	65032	-71584	334.6
2	64824	-70982	332.63
3	64458	-70351	297.88

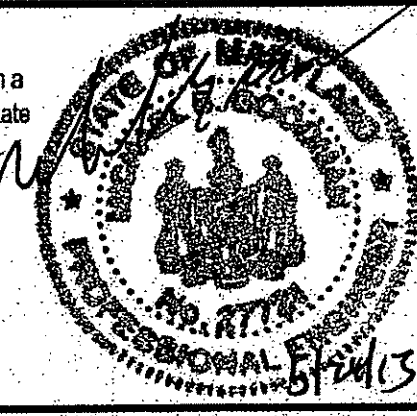


- 1. NOTE: ALL PROPOSED SLOPES SHOWN ARE FOR GENERAL INFORMATION ONLY. ACCESSIBLE REQUIRED SLOPES (2%, 5%, 8.33%) CANNOT BE EXCEEDED WHEN SLOPES ARE INDICATED NEAR OR AT A REQUIRED SLOPE.
- 2. NOTE: MAXIMUM 4.25% SLOPE AND MAXIMUM 1.70% CROSS SLOPE ON ALL WALKS.
- 3. NOTE: ALL TREES SHOWN WITHIN LOD ARE TO BE REMOVED. SEE SEDIMENT & EROSION CONTROL PLAN & FOREST CONSERVATION PLAN FOR MORE DETAIL.

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 410 837 6530 fax
 www.hcm2.com

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 20251 CENTURY BOULEVARD SUITE 200A GREENBELT, MARYLAND 20826
 (301) 440-1100 FAX (301) 440-1102
 GREENBELT, MD 20826

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
 License No. 27721
 Expiration Date 07-19-2014



The Maryland-National Capital Park and Planning Commission
 Montgomery County Department of Parks
 9500 Brunnett Avenue
 Silver Spring, Maryland 20901
 (301) 495-2535

REVIEW AND APPROVAL
 Project Manager Date 2/1/13 [Signature]
 Project Engineer Date 2/3/13 [Signature]
 Construction Manager Date
 Park Manager Date

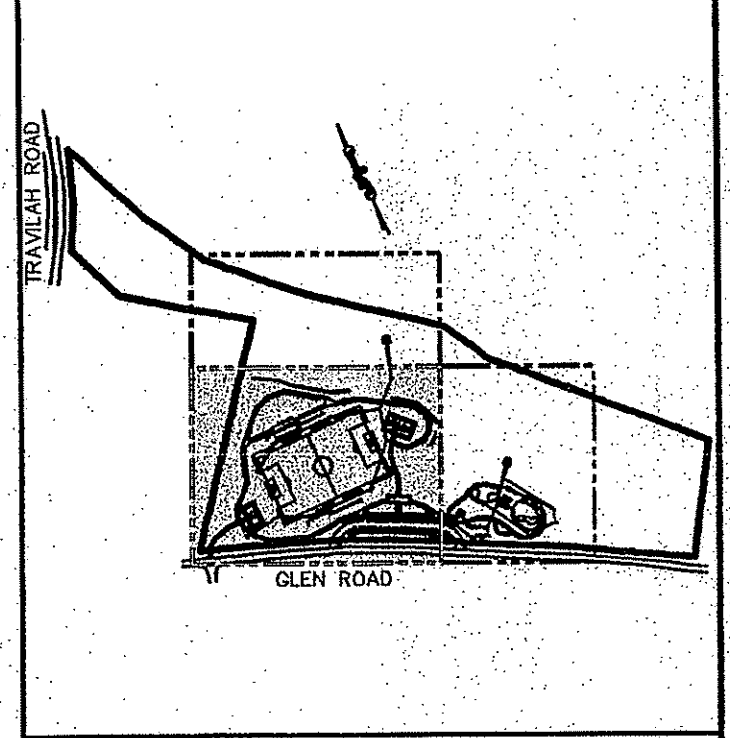
ISSUED FOR PROCUREMENT ON		
REVISIONS		
Rev. No.	Date	Description

OVERALL SITE PLAN
GREENBRIAR LOCAL PARK
 Liber 10551 Folio 180
 Liber 10551 Folio 183
 Liber 10565 Folio 312
 SCALE: 1"=50'

DWG.# 1 of 9
 C1.0
 SHT.# 3 of 79

CREATED DATE: 10/09/09

PROJECT: GREENBRIAR LOCAL PARK, 12308 BRIARBUSH LANE, POTOMAC, MD 20854
 DATE: 02/01/13
 DRAWN BY: [Name]
 CHECKED BY: [Name]
 PROJECT MANAGER: [Name]

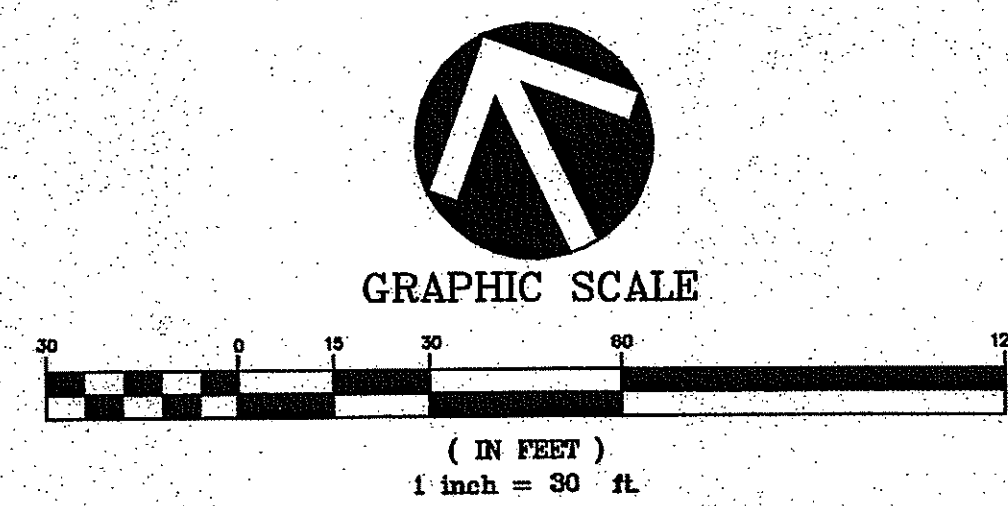


KEY MAP
SCALE: 1" = 500'

- GENERAL NOTES:**
1. PROPOSED GRADING SHALL MEET EXISTING GRADES UNIFORMLY WITH A SMOOTH TRANSITION. NOTIFY MNCPPC PROJECT MANAGER IMMEDIATELY IF THERE ARE ANY EDGE CONDITIONS THAT CREATE AREAS WITHOUT POSITIVE DRAINAGE.
 2. VERIFY ALL EXISTING AND PROPOSED GRADES PRIOR TO FINAL CONSTRUCTION. ALL PROPOSED WALKS SHALL COMPLY WITH ADA 2010.
 3. ALL LONGITUDINAL SLOPES ALONG THE WALKS SHALL BE UNDER 4.25% OR AS NOTED ON THE DRAWINGS. CONTRACTOR SHALL STAKE OUT GRADES IN THE FIELD FOR REVIEW BY MNCPPC PROJECT MANAGER PRIOR TO FINAL CONSTRUCTION.
 4. ALL WALKS SHALL HAVE A CROSS SLOPE OF MINIMUM 1% AND MAXIMUM 1.7% OR AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL STAKE OUT GRADES IN THE FIELD FOR REVIEW BY MNCPPC PROJECT MANAGER PRIOR TO FINAL CONSTRUCTION.
 5. ALL WALKS SHALL MEET OTHER WALKS, PATIOS, TERRACES, CONCRETE STRUCTURES ETC., FLUSH WITHOUT ANY LIPPAGE. GRADES ADJACENT TO WALKS SHOULD BE FLUSH.
 6. ANY WALKS THAT ARE BUILT WITHOUT MEETING THE ABOVE CODE WILL HAVE TO BE CORRECTED AT THE CONTRACTOR'S EXPENSE (WITHOUT ANY EXPENSE TO MNCPPC OR DESIGN TEAM).
 7. USE 2" SMART LEVEL FOR COMPLIANCE.

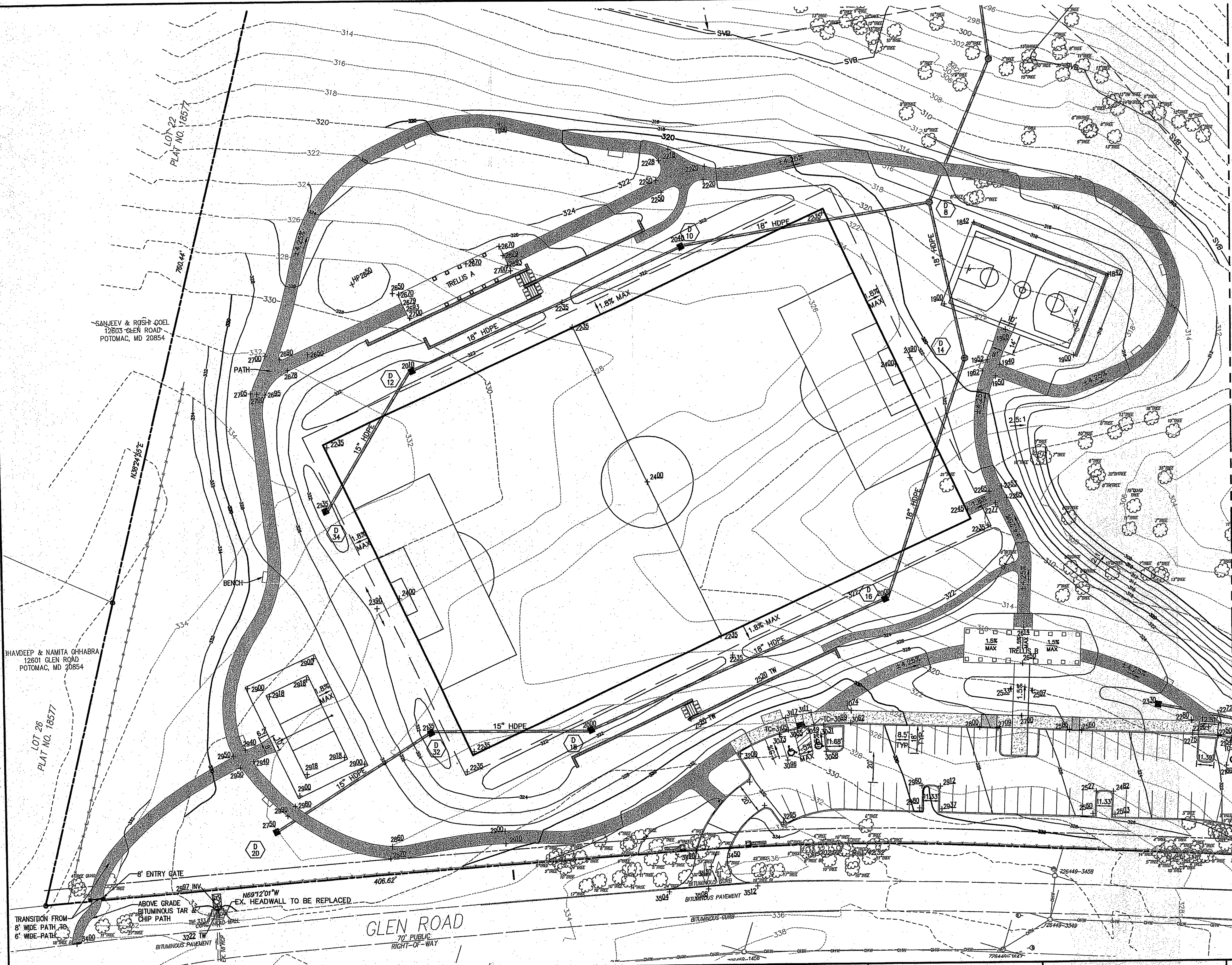
LEGEND

	PROPERTY BOUNDARY
	EX. ELECTRIC
	EX. OVERHEAD WIRE
	EX. CONTOUR
	EX. WOODS LINE
	EX. STREAM
	EX. TREE
	TAR AND CHIP PATH
	SWM ACCESS TRAIL
	CONCRETE SIDEWALK
	ADVENTURE PATH
	PROPOSED ROOT AERATION MATTING
	CONTOUR
	SPOT ELEVATION
	STORM DRAIN
	WOOD FENCE
	COURT FENCE
	LIMIT OF DISTURBANCE
	TEMPORARY CONSTRUCTION FENCE
	INFILTRATION BERM
	RETAINING WALL
	STORM DRAIN STRUCTURE No.
	CONTROL POINT
	LIMITS OF FIELD SURVEY



FOR LOCATION OF UTILITIES CALL 8-1-1 or 1-800-257-7777 OR LOG ON TO www.call811.com or <http://www.missutility.net> 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY

The excavator must notify all public utility companies with underground facilities in the area of proposed excavation and have these facilities located by the utility companies prior to commencing excavation. The excavator is responsible for compliance with requirements of Chapter 28A of the Montgomery County Code.



MATCH LINE SEE SHEET ADA.2

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410 537 7311
410 837 6830 fax
www.hcm2.com

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ENGINEERS | PLANNERS | LANDSCAPE ARCHITECTS | SURVEYORS | SUSTAINABLE DESIGN
20251 CENTURY BOULEVARD, SUITE 400 W. GERMANTOWN, MARYLAND 20874
COURTNEY R. LITTLE, P.E. & PLS. CHIEF DESIGNER
GERMANTOWN, MD

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 27721
Expiration Date 07-19-2014



The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunett Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL
Project Manager Date 8/1/13 [Signature]
Project Engineer Date 8/1/13 [Signature]
Construction Manager Date
Park Manager Date

ISSUED FOR PROCUREMENT ON

REVISIONS		
Rev. No.	Date	Description

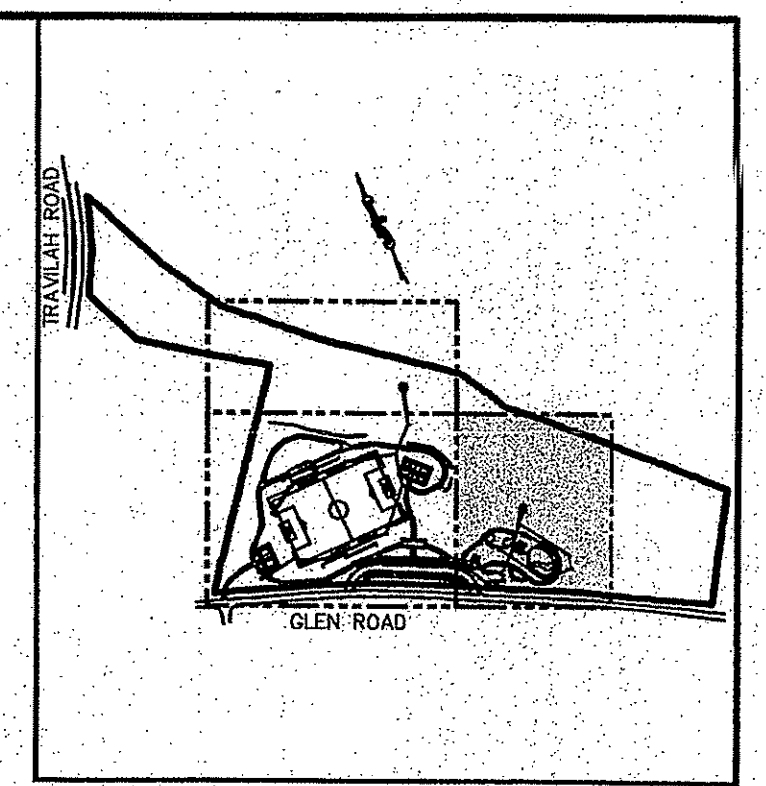
ADA ACCESSIBILITY
PLAN 1
GREENBRIAR LOCAL PARK
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312

DWG. # 1 of 2
ADA.1
SHT. # 4 of 79

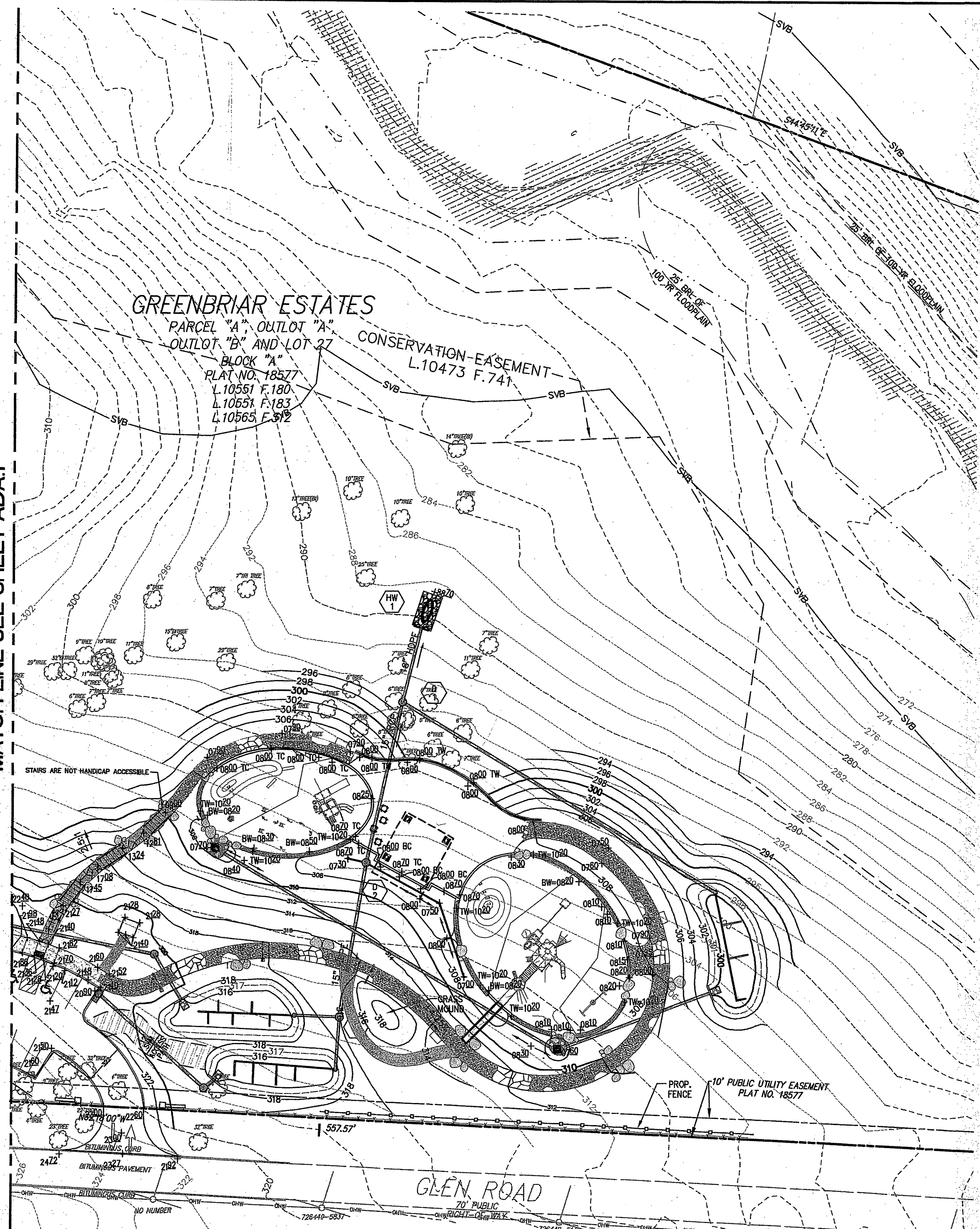
SCALE: 1" = 30'

CREATED DATE: 10/08/09

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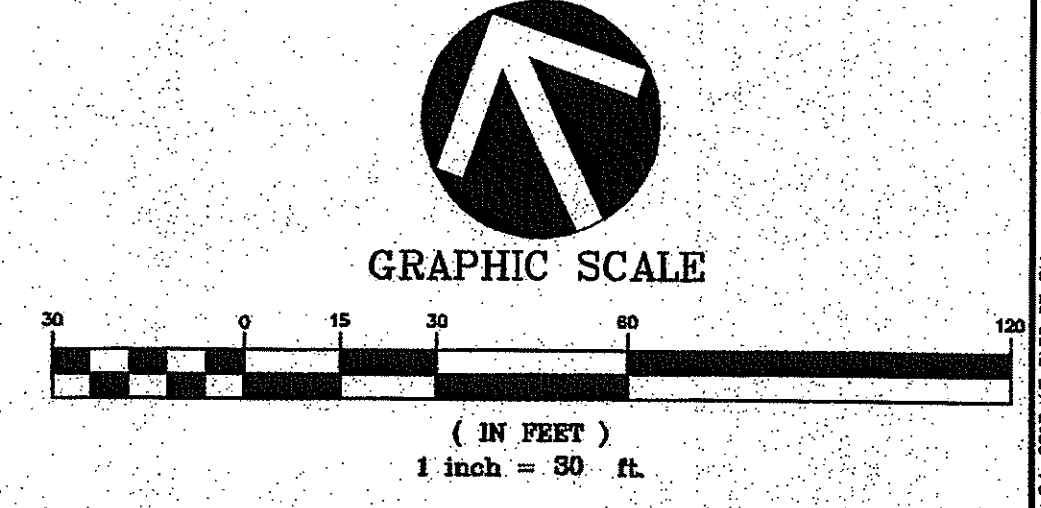
MATCH LINE SEE SHEET ADA.1



- GENERAL NOTES:**
1. PROPOSED GRADING SHALL MEET EXISTING GRADES UNIFORMLY WITH A SMOOTH TRANSITION. NOTIFY MNCPPC PROJECT MANAGER IMMEDIATELY IF THERE ARE ANY EDGE CONDITIONS THAT CREATE AREAS WITHOUT POSITIVE DRAINAGE.
 2. VERIFY ALL EXISTING AND PROPOSED GRADES PRIOR TO FINAL CONSTRUCTION. ALL PROPOSED WALKS SHALL COMPLY WITH ADA 2010.
 3. ALL LONGITUDINAL SLOPES ALONG THE WALKS SHALL BE UNDER 4.25% OR AS NOTED ON THE DRAWINGS. CONTRACTOR SHALL STAKE OUT GRADES IN THE FIELD FOR REVIEW BY MNCPPC PROJECT MANAGER PRIOR TO FINAL CONSTRUCTION.
 4. ALL WALKS SHALL HAVE A CROSS SLOPE OF MINIMUM 1% AND MAXIMUM 1.7% OR AS SHOWN ON THE DRAWINGS. CONTRACTOR SHALL STAKE OUT GRADES IN THE FIELD FOR REVIEW BY MNCPPC PROJECT MANAGER PRIOR TO FINAL CONSTRUCTION.
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 7. USE 2" SMART LEVEL FOR COMPLIANCE.

LEGEND

	PROPERTY BOUNDARY
	EX. ELECTRIC
	EX. OVER-HEAD WIRE
	EX. CONTOUR
	EX. WOODS LINE
	EX. STREAM
	EX. TREE
	TAR AND CHIP PATH
	SWM ACCESS TRAIL
	CONCRETE SIDEWALK
	ADVENTURE PATH
	PROPOSED ROOT AERATION MATTING
	CONTOUR
	SPOT ELEVATION
	STORM DRAIN
	WOOD FENCE
	COURT FENCE
	LIMIT OF DISTURBANCE
	TEMPORARY CONSTRUCTION FENCE
	INFILTRATION BERM
	RETAINING WALL
	STORM DRAIN STRUCTURE No.
	CONTROL POINT
	LIMITS OF FIELD SURVEY



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www.call811.com or <http://www.mississility.net>
48 HOURS IN ADVANCE OF ANY
WORK IN THIS VICINITY

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410 837 6330 fax
www.hcm2.com

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VIA MARYLAND, LLC
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(301)916-4100 # FAX (301)916-2222
GERMANTOWN, MD WISCONSIN, VA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
Licence No. 27721
Expiration Date 07-19-2014



The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunett Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL
Project Manager Date *11/12/10* *de Koma*
Project Engineer Date *3/31/13* *B. B. B.*
Construction Manager Date
Park Manager Date

ISSUED FOR PROCUREMENT ON

REVISIONS		
Rev. No.	Date	Description

ADA ACCESSIBILITY
PLAN 2
GREENBRIAR LOCAL PARK
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312

DWG. # 2 of 2
ADA.2
SHT. # 5 of 79

CREATED DATE: 10/09/09

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ANJEEV & ROSHI GOEL
12603 GLEN ROAD
POTOMAC, MD 20854

LOT 22

HABRA & NAMITA GHABRA
12601 GLEN ROAD
POTOMAC, MD 20854

LOT 26

LOT 26
PLAT NO. 18577

HABRA

TRANSITION FROM
8' WIDE PATH TO
6' WIDE PATH

MEET EXISTING BITUMINOUS PAVEMENT IN LINE AND ON GRADE

5.5'x10' OUTFALL PROTECTION CLASS 1 RIP-RAP OR MIRAFI 400X OR EQUAL FILTER CLOTH

8' ENTRY GATE

ABOVE GRADE BITUMINOUS TAR & CHIP PATH

EX. CONCRETE HEADWALL TO BE REPLACED
NOTE: CUT-OFF & REMOVE EX. WALL, EXTEND PIPE BY 3' AND ATTACH NEW HEADWALL. HEADWALL SHALL BE FACED WITH STONE. SEE DETAIL ON SHEET RW1.1

EX. WOOD BOLLARDS TO BE REMOVED

MNCPPC SIGN SHALL BE FIELD LOCATED SEE BREAKAWAY DETAIL SHEET RW1.1

BITUMINOUS CURB TO BE REMOVED

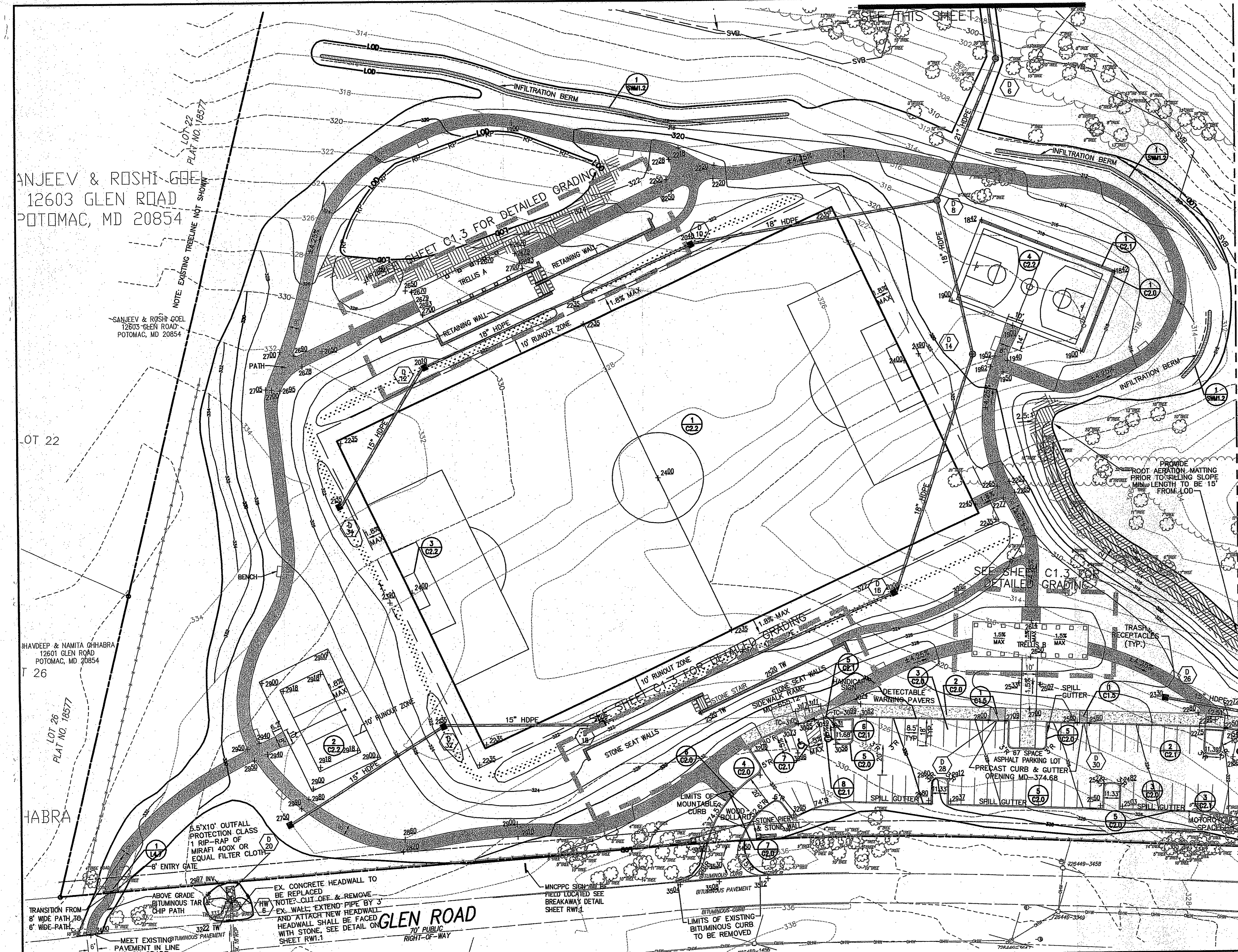
BITUMINOUS PAVEMENT TO BE REMOVED

LOT 22
PLAT NO. 18577

NOTE: EXISTING TREELINE NOT SHOWN

SANJEEV & ROSHI GOEL
12603 GLEN ROAD
POTOMAC, MD 20854

GLEN ROAD
70' PUBLIC RIGHT-OF-WAY



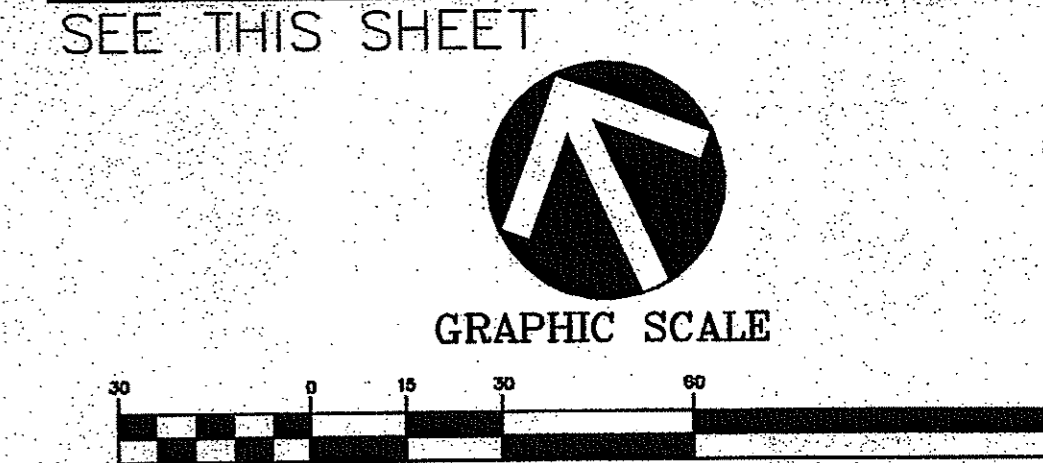
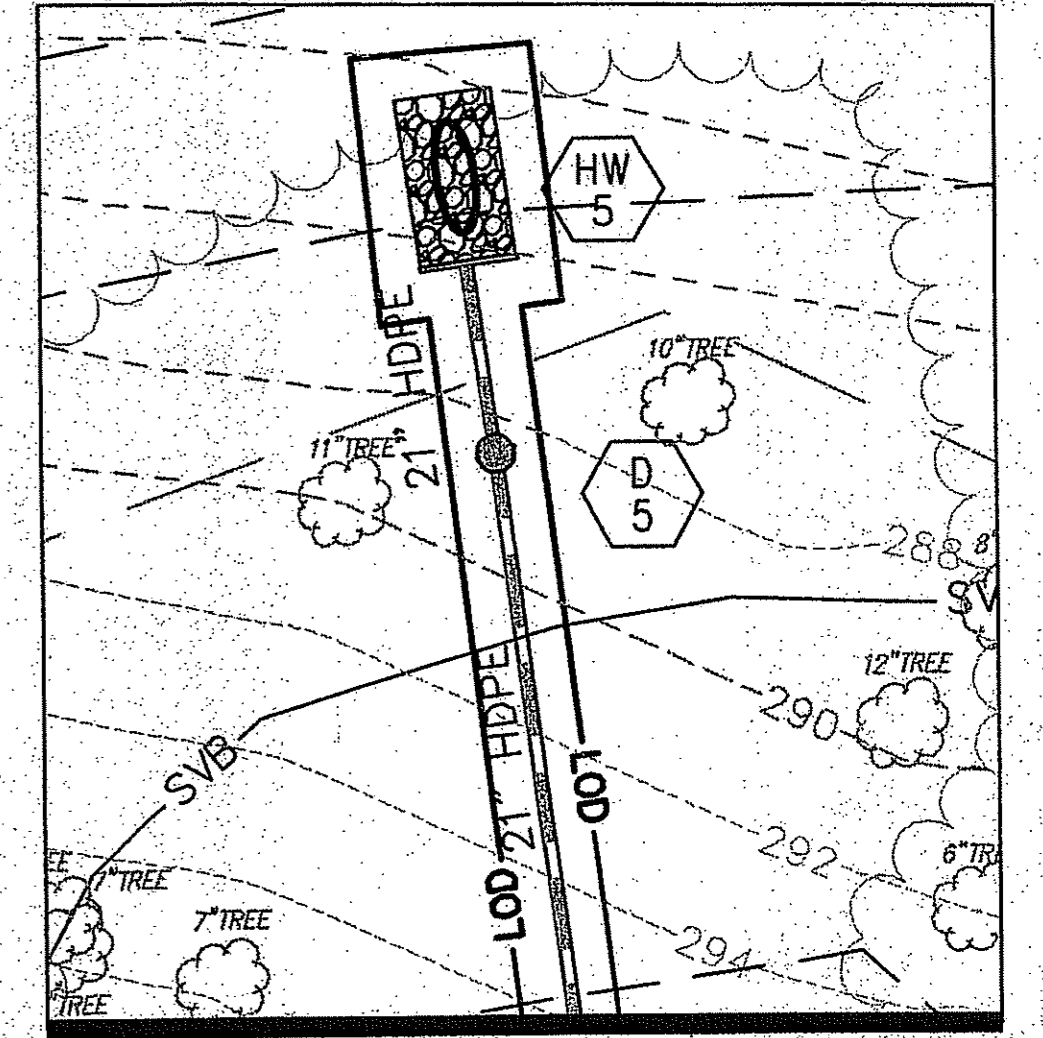
MATCH LINE - SEE SHEET C1.2

NOTES:
1. ALL PROPOSED SLOPES SHOWN ARE FOR GENERAL INFORMATION ONLY. MAXIMUM 4.25% LONGITUDINAL SLOPE AND MAXIMUM 1.70% CROSS-SLOPE ON ALL WALKS.

LEGEND

- PROPERTY BOUNDARY
- EX. ELECTRIC
- EX. OVERHEAD WIRE
- EX. CONTROL
- EX. WOODS LINE
- EX. STREAM
- EX. TREE
- TAR AND CHIP PATH
- SWM ACCESS TRAIL
- CONCRETE SIDEWALK
- ADVENTURE PATH
- PROPOSED ROOT AERATION MATTING
- CONTOUR
- SPOT ELEVATION
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- WOOD FENCE
- COURT FENCE
- LIMIT OF DISTURBANCE
- TEMPORARY CONSTRUCTION FENCE
- INFILTRATION BERM
- RETAINING WALL
- STORM DRAIN STRUCTURE NO.
- △ CONTROL POINT
- LIMITS OF FIELD SURVEY

KEY MAP
SCALE: 1" = 500'



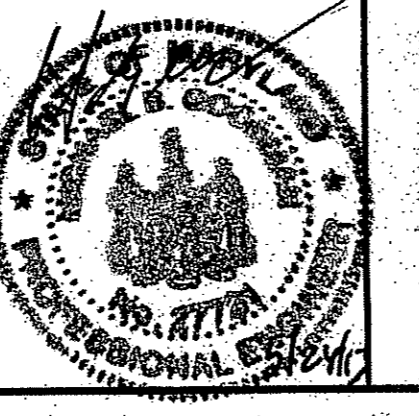
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VIVA MARYLAND, LLC
20251 CENTURY BULLWORM RD SUITE 400 CRYSTOWN, MARYLAND 20874
COURTNEY M. WEAVER, OWNER
GERMANTOWN, MD 17562, VA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.
License No. 27721
Expiration Date 07-19-2014



The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager Date 2/1/13	<i>[Signature]</i>
Project Engineer Date 2/13/13	<i>[Signature]</i>
Construction Manager Date	
Park Manager Date	

ISSUED FOR PROCUREMENT ON

REV. NO.	DATE	DESCRIPTION

CIVIL SITE PLAN I

GREENBRIAR LOCAL PARK

Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312

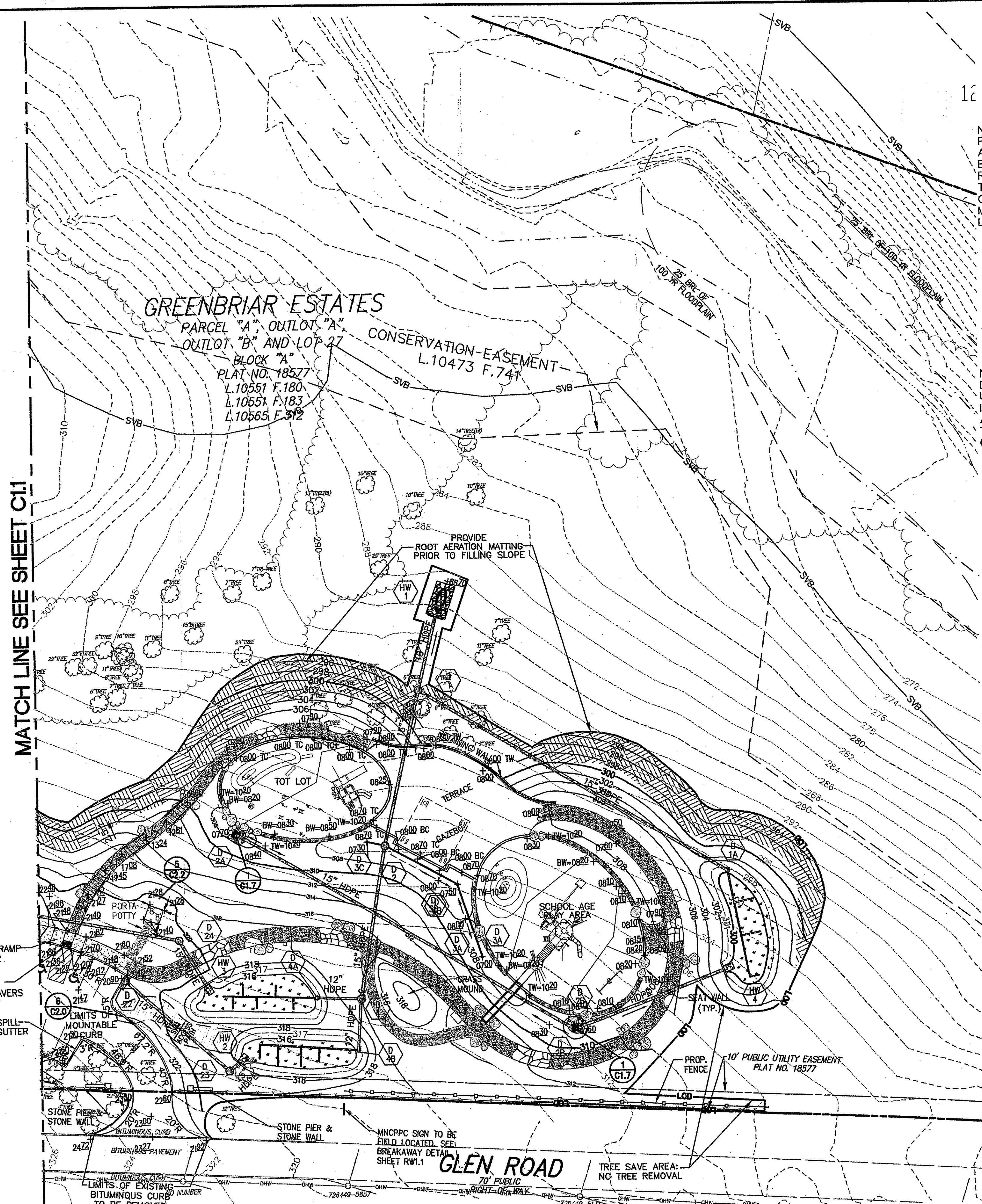
SCALE: 1"=30'

DWG. # 2 of 9
SHT. # 6 of 79
C1.1

CREATED DATE: 10/09/09

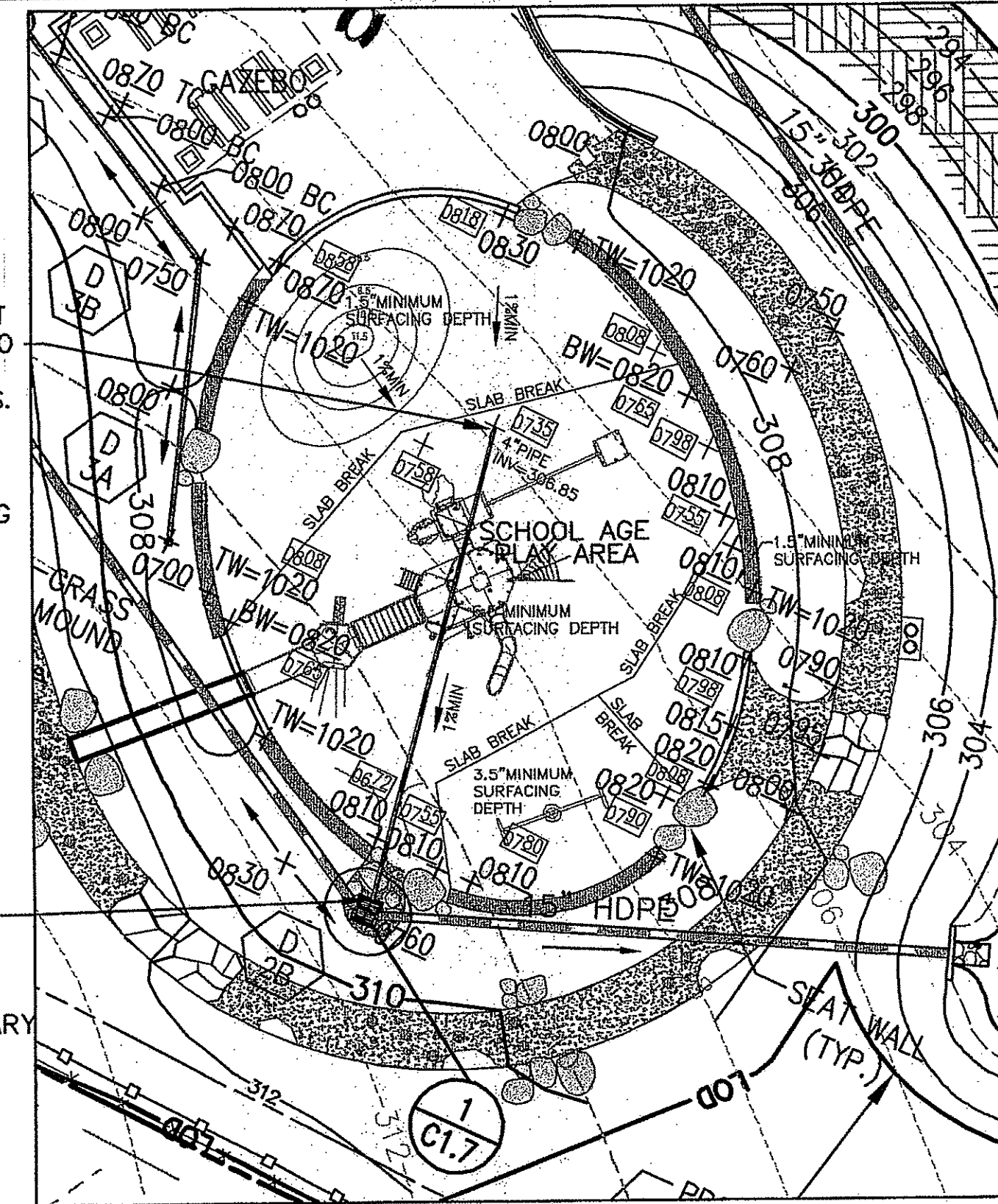
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MATCH LINE SEE SHEET C11

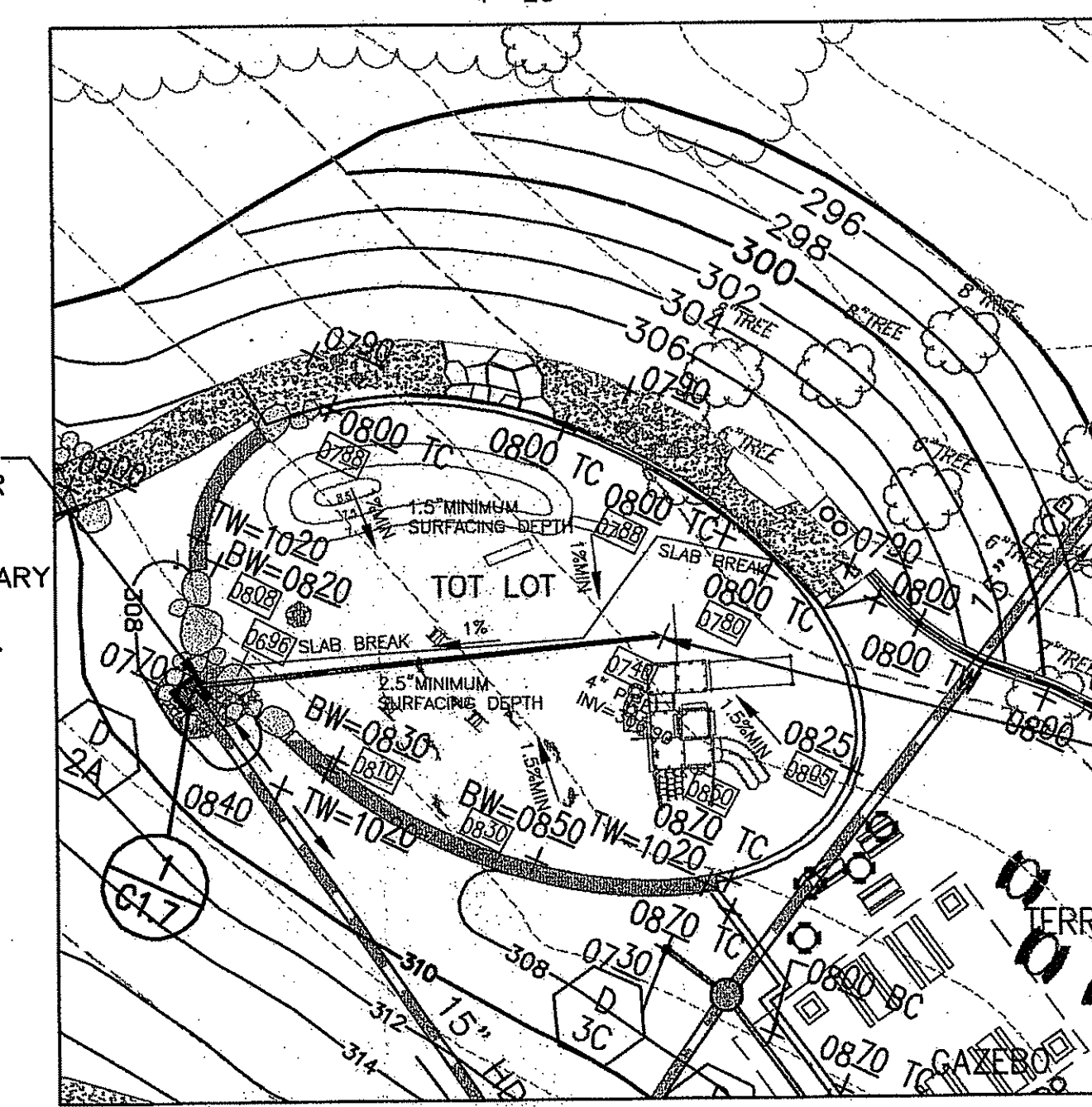


NOTE: FIELD ADJUST PIPE UNDERDRAIN TO AVOID PLAY EQUIPMENT FOOTERS. PROVIDE SUBMITTAL TO MNCPPC CONSTRUCTION MANAGER INDICATING LAYOUT.

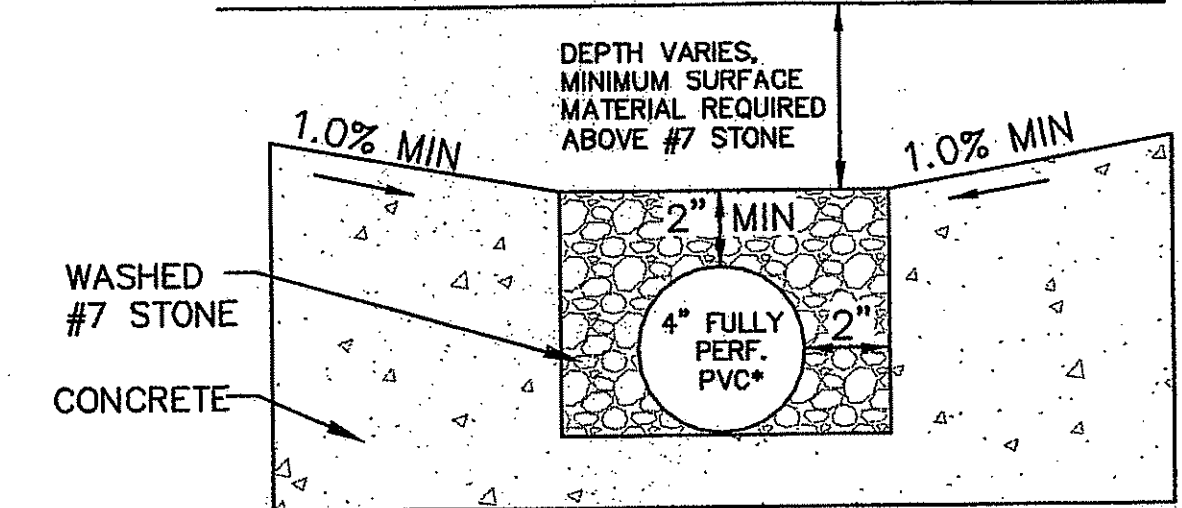
NOTE: SEE STORM DRAIN PROFILE FOR UNDERDRAIN PIPE INVERT AND FIELD ADJUST IF NECESSARY TO PROPERLY CONNECT TO INLET.



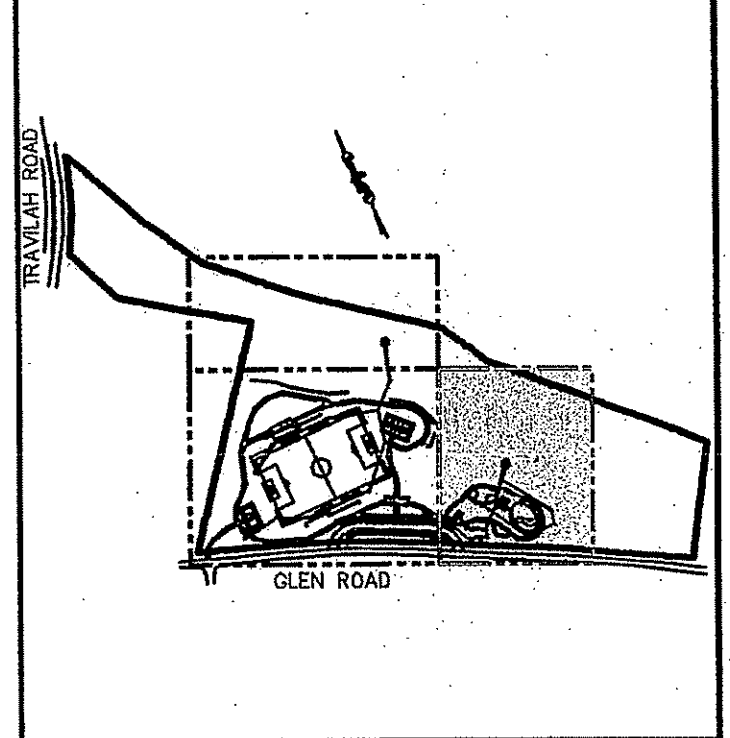
PLAY AREA SLAB ELEVATION PLAN VIEW
SCHOOL AGE
1"=20'



PLAY AREA SLAB ELEVATION PLAN VIEW
TOT LOT
1"=20'



4" FULLY PERFORATED PVC TRENCH DETAIL
NTS



KEY MAP
SCALE: 1" = 500'

LEGEND

- PROPERTY BOUNDARY
- EX. ELECTRIC
- EX. OVERHEAD WIRE
- EX. CONTOUR
- EX. WOODS LINE
- EX. STREAM
- EX. TREE
- TAR AND CHIP PATH
- SWM ACCESS TRAIL
- CONCRETE SIDEWALK
- ADVENTURE PATH
- PROPOSED ROOT AERATION MATTING
- CONTOUR
- SPOT ELEVATION
- STORM DRAIN
- WOOD FENCE
- COURT FENCE
- LIMIT OF DISTURBANCE
- TEMPORARY CONSTRUCTION FENCE
- INFILTRATION BERM
- RETAINING WALL
- STORM DRAIN STRUCTURE No.
- CONTROL POINT
- LIMITS OF FIELD SURVEY
- TOP OF SLAB ELEVATION

NOTES:
1. ALL PROPOSED SLOPES SHOWN ARE FOR GENERAL INFORMATION ONLY. MAXIMUM 4.25% LONGITUDINAL SLOPE AND MAXIMUM 1.70% CROSS SLOPE ON ALL WALKS.

NOTE: FIELD ADJUST PIPE UNDERDRAIN TO AVOID PLAY EQUIPMENT FOOTERS. PROVIDE SUBMITTAL TO MNCPPC CONSTRUCTION MANAGER INDICATING LAYOUT.



GRAPHIC SCALE
(IN FEET)
1 inch = 30 ft.

*FOR PERFORATION DETAILS PLEASE SEE DETAIL ON SHEET SWM 1.5

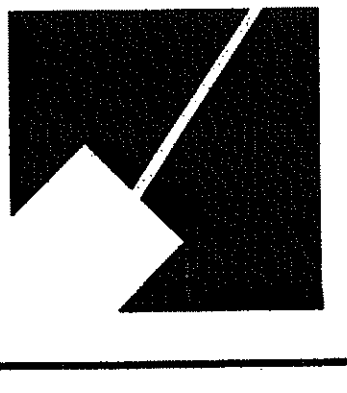
"FOR LOCATION OF UTILITIES CALL 8-1-1 or 1-800-257-7777 OR LOG ON TO www.call811.com or http://www.missutility.net 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY"

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410.637.6530 fax
www.hcm.com

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VIVA MONTGOMERY
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410.486.4400 • FAX 410.486.2022
GERMANTOWN, MD INDIANA, VA

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License No. 27721
Expiration Date 07-19-2014



The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager Date 8/1/13 <i>Wade Koma</i>
Project Engineer Date 8/3/13 <i>B. S. Lee</i>
Construction Manager Date
Park Manager Date

ISSUED FOR PROCUREMENT ON

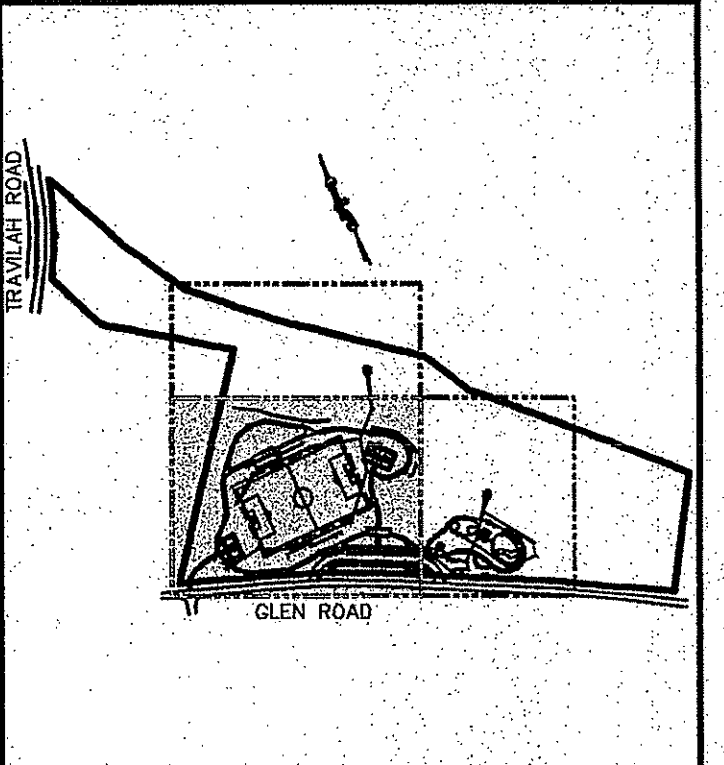
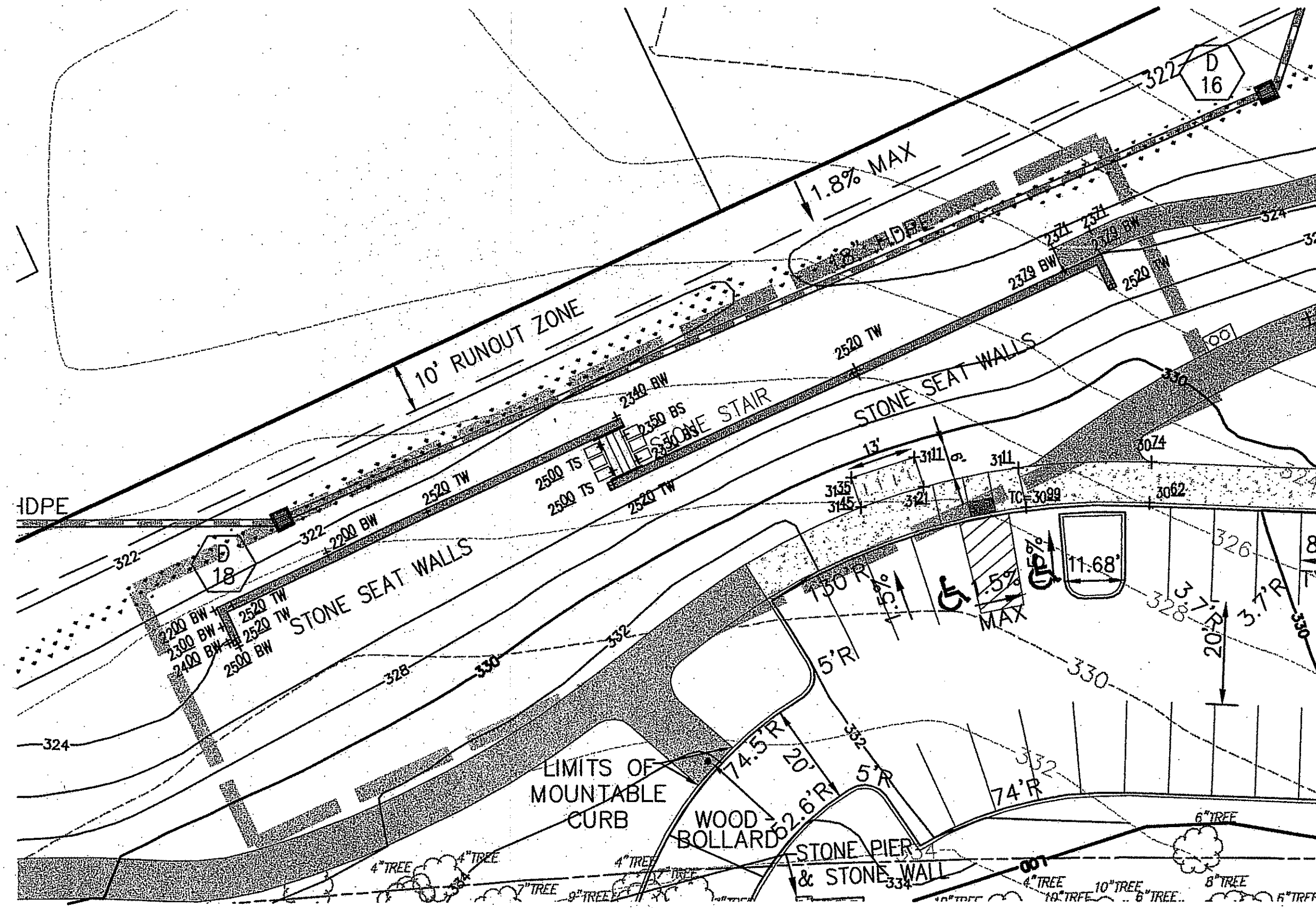
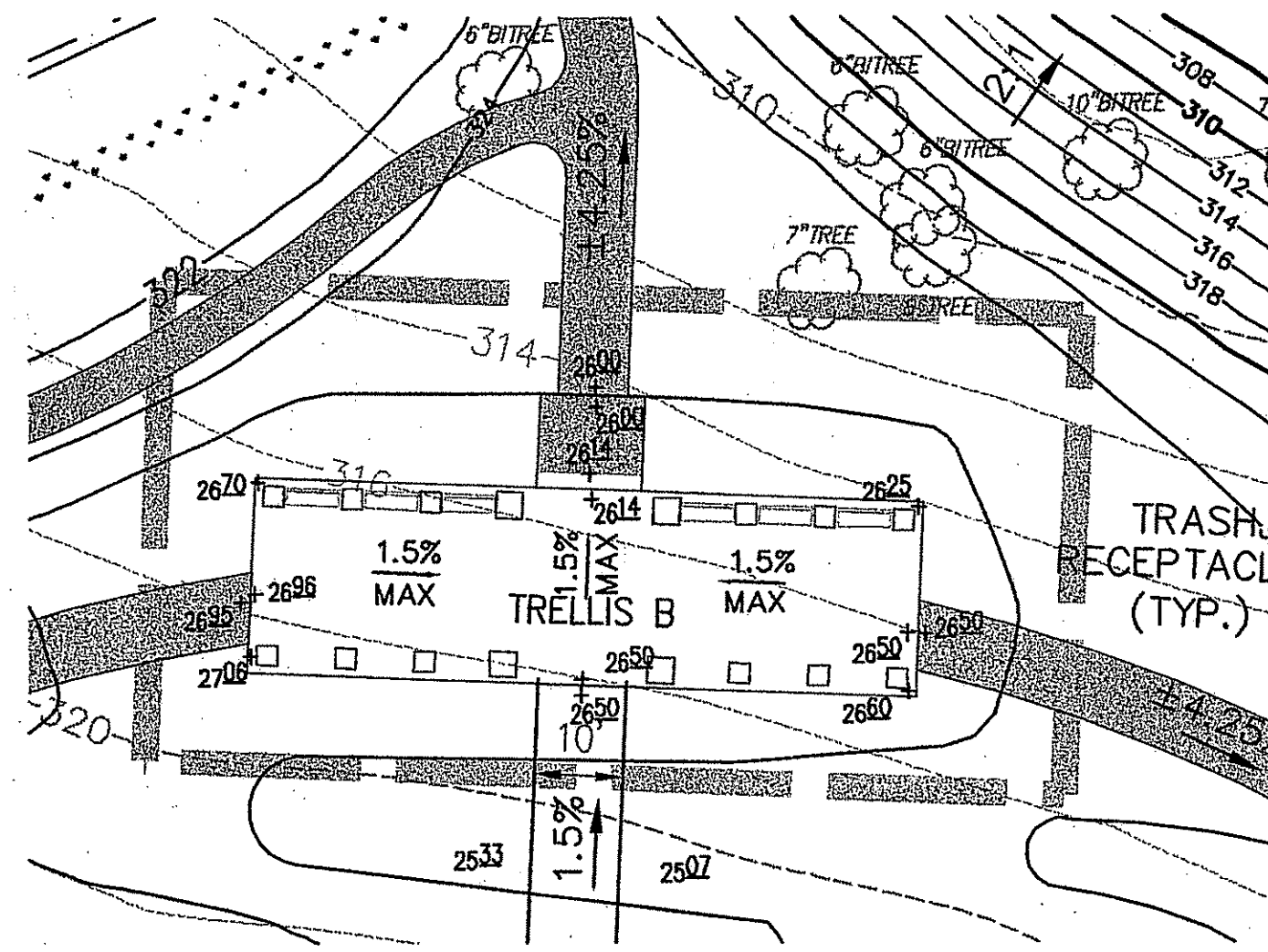
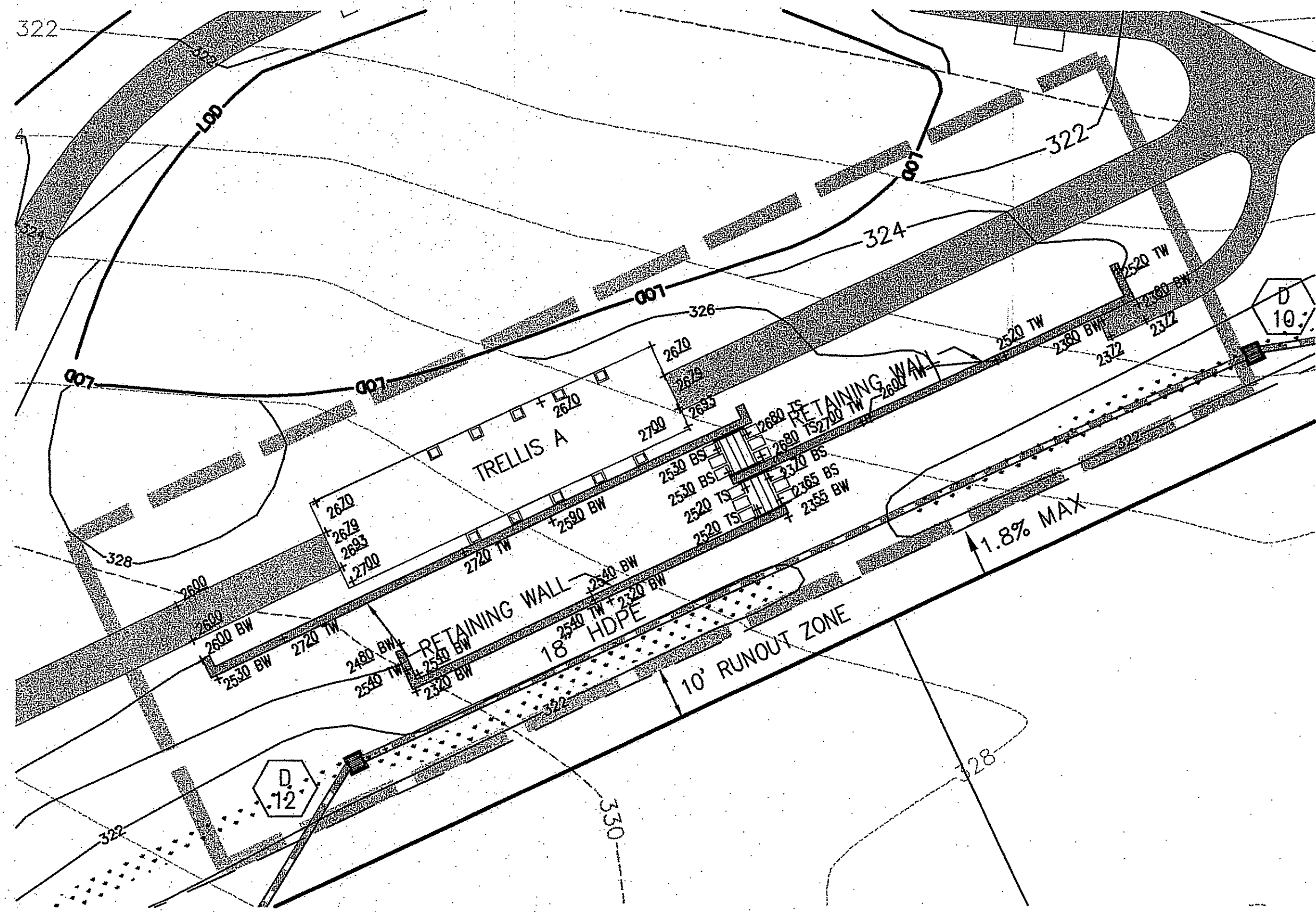
REVISIONS		
Rev. No.	Date	Description

CIVIL SITE PLAN 2
GREENBRIAR LOCAL PARK
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312
SCALE: 1"=30'

DWG.# 3 of 9
C1.2
SHT.# 7 of 79

CREATED DATE: 10/26/08

LAYOUT: C1.2, Printed By: eminh

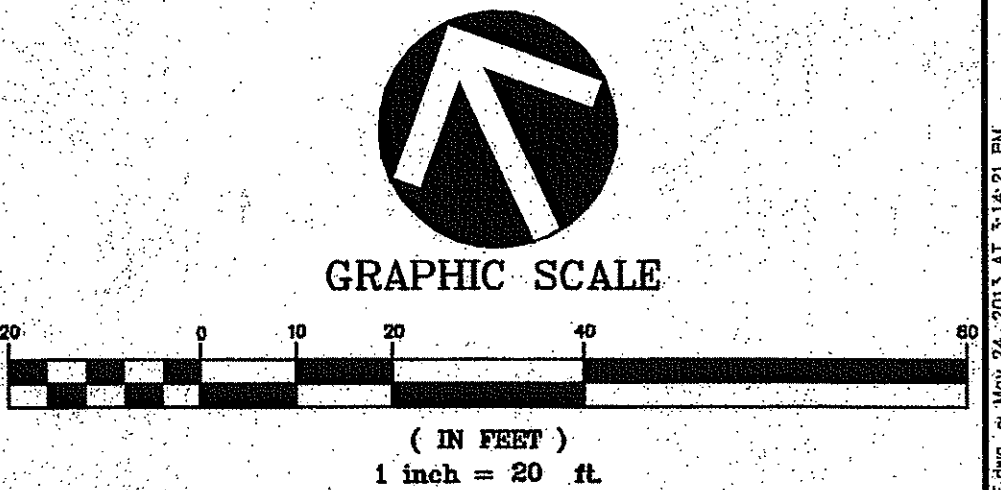


KEY MAP
SCALE: 1" = 500'

LEGEND

- PROPERTY BOUNDARY
- - - EX. ELECTRIC
- - - EX. OVER-HEAD WIRE
- - - EX. CONTOUR
- - - EX. WOODS LINE
- - - EX. STREAM
- EX. TREE
- ▨ TAR AND CHIP PATH
- ▨ SWM ACCESS TRAIL
- ▨ CONCRETE SIDEWALK
- ▨ ADVENTURE PATH
- ▨ PROPOSED ROOT AERATION MATTING
- 250 — CONTOUR
- 250 — SPOT ELEVATION
- STORMDRAIN
- WOOD FENCE
- COURT FENCE
- LOD — LIMIT OF DISTURBANCE
- ▨ TEMPORARY CONSTRUCTION FENCE
- ▨ INFILTRATION BERM
- ▨ RETAINING WALL
- ⊕ STORM DRAIN STRUCTURE No.
- △ CONTROL POINT
- - - LIMITS OF FIELD SURVEY

- NOTES:**
1. ALL PROPOSED SLOPES SHOWN ARE FOR GENERAL INFORMATION ONLY. MAXIMUM 4.25% LONGITUDINAL SLOPE AND MAXIMUM 1.70% CROSS SLOPE ON ALL WALKS.
 2. ALL TREES SHOWN WITHIN LOD ARE TO BE REMOVED. SEE SEDIMENT & EROSION CONTROL PLAN & FOREST CONSERVATION PLAN FOR MORE DETAIL.



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CREATED DATE: 10/28/09

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PLANNING
INTERIOR DESIGN

750 E. Pratt Street, Suite 1100
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410 857 7311
410 837 6530 fax
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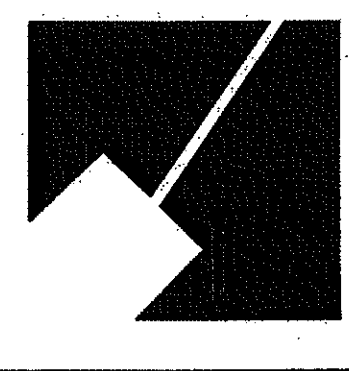
VIVA

ENGINEERS ■ PLANNERS ■ LANDSCAPE ARCHITECTS ■ SURVEYORS ■ SUSTAINABLE DESIGN

VIVA NATIONAL, LLC
20251 CENTURY BOULEVARD, SUITE 400 ■ GERMANTOWN, MARYLAND 20874
(301) 915-1100 ■ FAX (301) 915-2052
GERMANTOWN, MD ■ NASHUA, VA

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. 27721
Expiration Date 07-19-2014



The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL	
Project Manager Date 8/1/13	<i>Ueda Kono</i>
Project Engineer Date 8/13/13	<i>B8</i>
Construction Manager Date	
Park Manager Date	

ISSUED FOR PROCUREMENT ON	
REVISIONS	
Rev. No.	Description

CIVIL SITE PLAN ENLARGEMENTS

GREENBRIAR LOCAL PARK

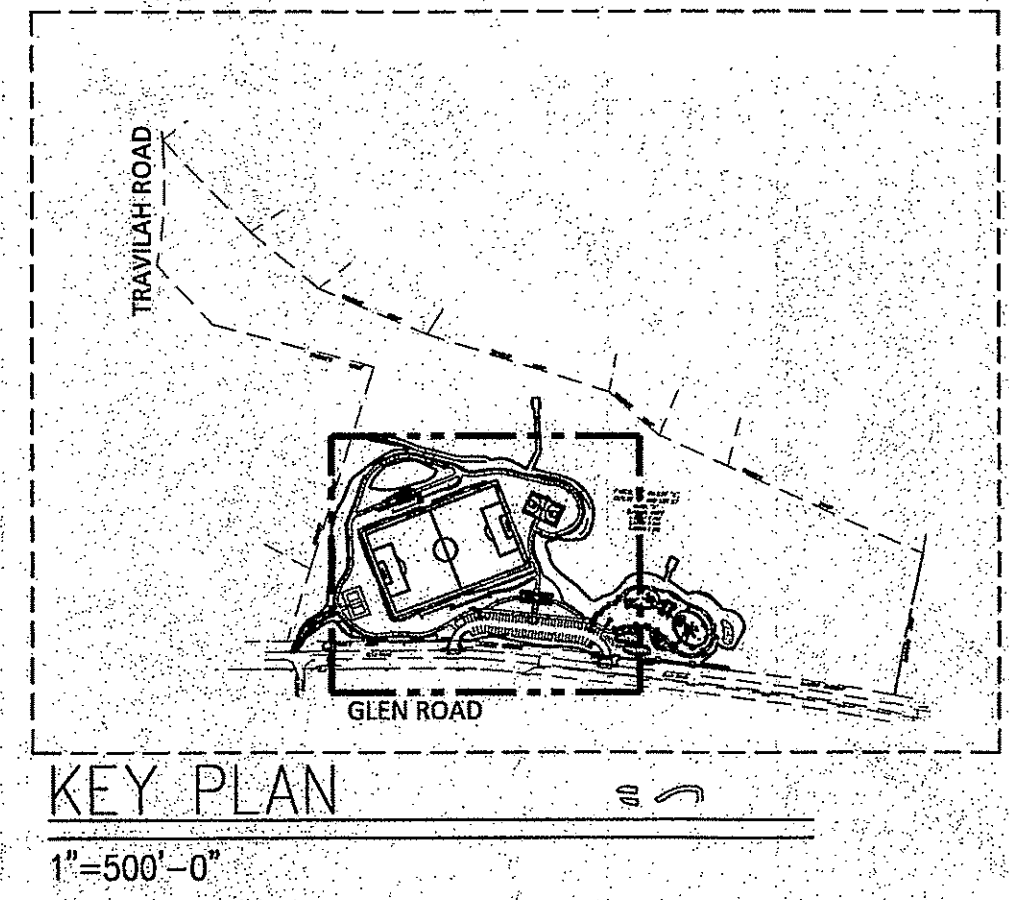
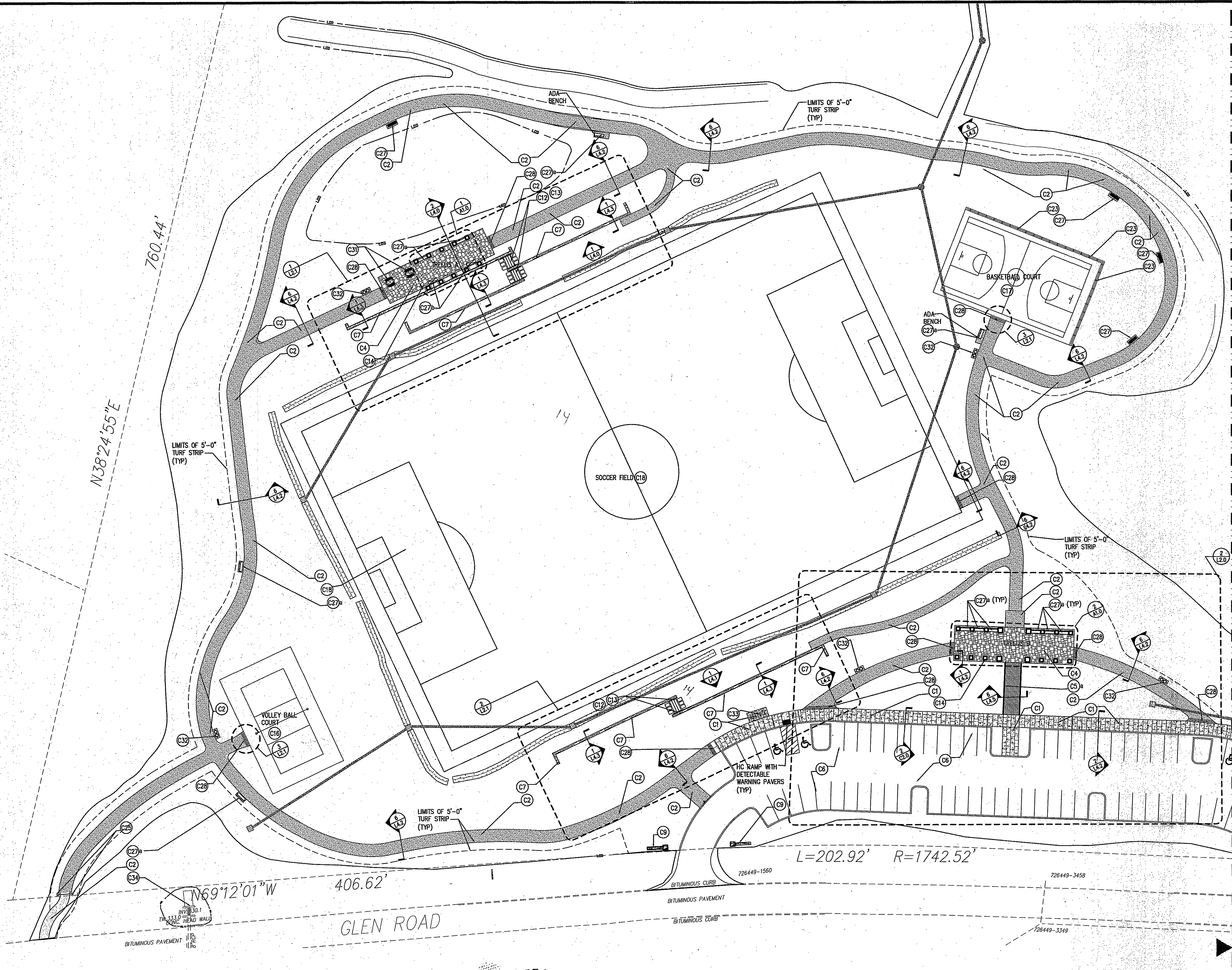
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312

SCALE: 1"=20'

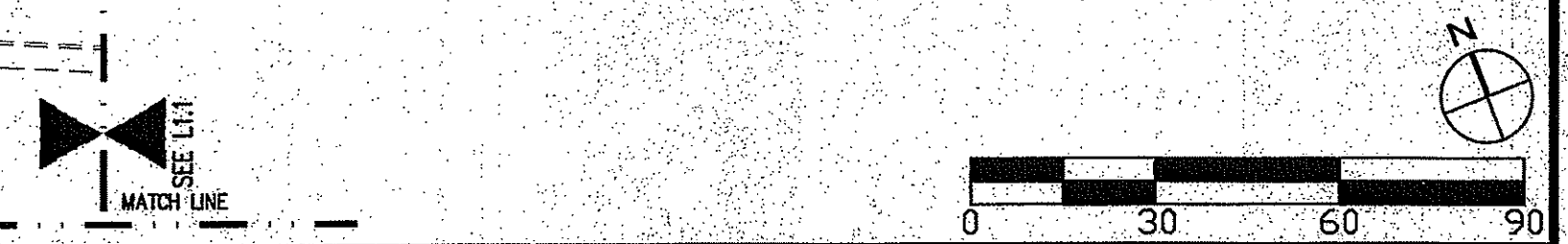
DWG. # 4 of 9
C1.3
SHT. # 8 of 79

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FINAL SCANNED: PLAN SCANNED: C10 PARK CODE: C10 PA 211011.00 MNCPPC Greenbriar Local Park\07 Drawings\01 ARCH CAD-BM Drawings\L1.0 Hardscape Site Plan 1.dwg Layout1 Plotted By: On 10/26/2013 5:07 PM.

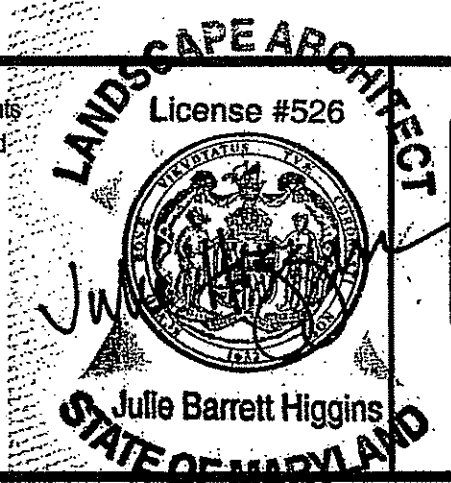


- CONSTRUCTION NOTES:**
- C1 PEDESTRIAN WALK - COLORED CONCRETE PAVING (TYP). DETAIL 2/C2.0, 2/L4.2
 - C2 PEDESTRIAN WALK (TRAIL) - "TAR AND CHIP" WITH ALUMINUM EDGING (TYP). DETAIL 6/L4.2 AND 6.1/L4.2.
 - C4 BLUESTONE PAVERS ON CONCRETE BASE ON MORTAR BED & MORTAR JOINTS- PATTERNS AS SHOWN (TYP). DETAIL L2.0, L2.1, L2.2, 1/L4.2.
 - C5 WOOD DECK WALK (ENTRANCE). DETAIL L2.0, 3/L4.0 & 5/L4.5.
 - C6 ASPHALT PAVING AT ROADWAY (TYP). DETAIL 3/C2.0.
 - C7 STONE VENEER RETAINING SEAT WALLS. DETAIL 1/L4.3, 3/L4.3, 7/L4.3
 - C8 STONE VENEER WALLS-AT ENTRANCE (TYP). DETAIL 6/L4.3 & 1/L4.4, 3/L4.3, 7/L4.3
 - C11 STONE BOULDERS (TYP). SIZING SCHEDULE L2.2. DETAIL 5/L4.4, 6/L4.4, 8/L4.4.
 - C12 STONE SLAB STAIRS. DETAIL L2.1, 4/L4.4 FOR STAIRS AT SOCCER FIELD WALLS.
 - C13 STAIR HANDRAILS. DETAIL L2.1, 3/L4.6 FOR STAIRS AT SOCCER FIELD WALLS.
 - C14 TRELLIS STRUCTURE. DETAIL A1.0, A1.1, A1.2, A1.3, A1.4, A1.5.
 - C16 GRASS VOLLEY BALL COURT. SEE DETAIL 2/C2.2.
 - C17 BASKETBALL COURT. SEE DETAIL 4/C2.2.
 - C18 GRASS SOCCER FIELD. SEE 1/L0.1 FOR SOIL DEPTHS SEE DETAIL 1/C2.2 & 3/C2.2
 - C23 BLACK VINYL CHAINLINK FENCE- MNCPPC STANDARD 206. DETAIL 1/C2.1 (TYP).
 - C25 WOOD POST AND GATE AT TRAIL-ENTRANCE ALONG GLEN ROAD. DETAIL 1/L4.7.
 - C27 STONE SLAB BENCH (TYP). DETAIL 7/L4.4 & 9/L4.4 & SPECIFICATIONS.
 - C27a BACKED BENCH. DETAIL 6/L4.5, 4/L2.0, 8/L2.0, 9/L4.6
 - C27b BACKLESS BENCH. DETAIL 6/L4.5, 9/L4.6
 - C29 STONE PAVER TRANSITION (TYP). DETAIL 3/L2.1, 4/L2.1, 5/L2.1, 10/L4.6, 11/L4.6
 - C31 PICNIC TABLES. DETAIL 1/L4.5, 2/L4.5.
 - C32 TRASH AND RECYCLE RECEPTACLE. DETAIL 6.1/L4.5, C/L2.0
 - C33 BIKE RACKS. DETAIL 4/L4.5.
 - C34 STONE VENEER HEADWALL. DETAIL ON RW1.1.



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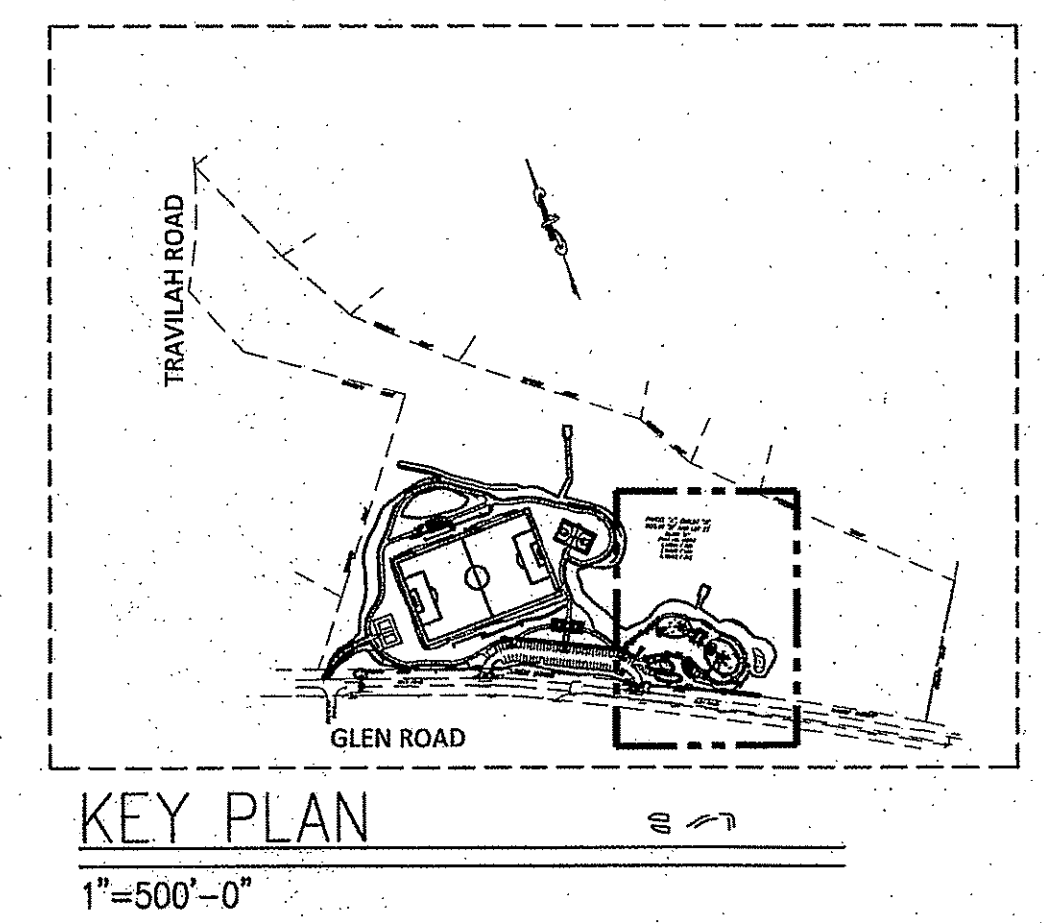
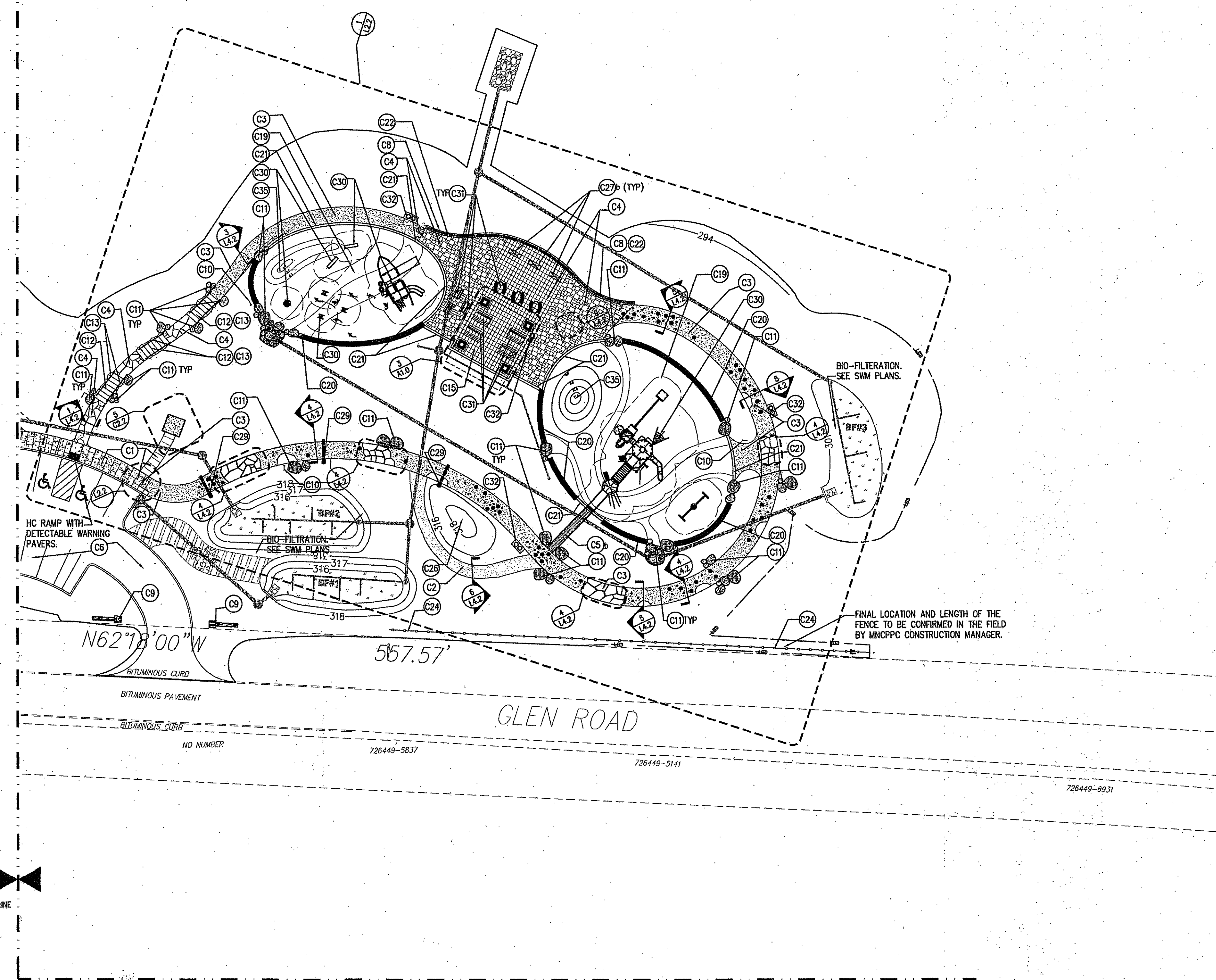
The Maryland-National Capital Park and Planning Commission
 Montgomery County Department of Parks
 9500 Brunnet Avenue
 Silver Spring, Maryland 20901
 (301) 495-2535

REVIEW AND APPROVAL
 Project Manager Date *8/1/13* *Urduka*
 Project Engineer Date *8/13/13* *BSE*
 Construction Manager Date
 Park Manager Date

ISSUED FOR PROCUREMENT ON		
REVISIONS		
Rev. No.	Date	Description

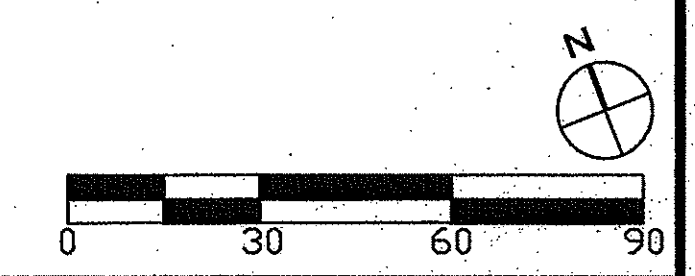
GREENBRIAR LOCAL PARK
HARDSCAPE SITE PLAN 1
 Liber 10551 Folio 180
 Liber 10551 Folio 183
 Liber 10565 Folio 312

DWG. # **10** of **10**
L1.0
 SHT. # **10** of **29**



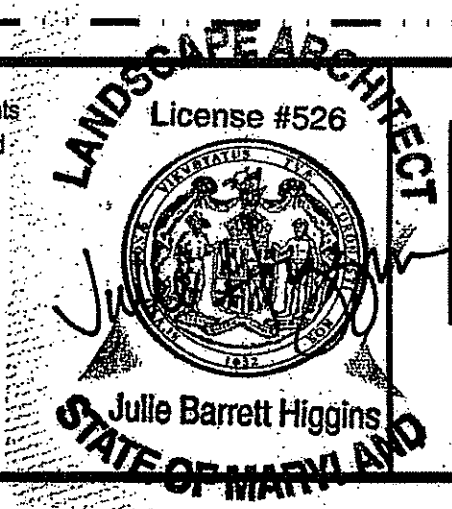
CONSTRUCTION NOTES:

- (C1) PEDESTRIAN WALK - COLORED CONCRETE PAVING (TYP). DETAIL 2/C2.0, 2/L4.2
- (C3) "ADVENTURE WALK"- EXPOSED AGGREGATE CONCRETE WALK WITH GLASS PAVER AND STONE PAVER INSETS (TYP). DETAIL 3/L4.2, 4/L4.2, 5/L4.2
- (C4) BLUESTONE PAVERS ON CONCRETE BASE ON MORTAR BED & MORTAR JOINTS- PATTERNS AS SHOWN (TYP). DETAIL 1/L4.2.
- (C5) WOOD DECK BRIDGE. DETAIL L2.2, 3/L4.1 & 7/L4.5.
- (C6) ASPHALT PAVING AT ROADWAY (TYP). DETAIL 3/C2.0.
- (C8) STONE VENEER RETAINING WALL AT OVERLOOK. DETAIL 2/L4.3, 3/L4.3, 7/L4.3
- (C9) STONE VENEER WALLS-AT ENTRANCE (TYP). DETAIL 6/L4.3 & 1/L4.4, 7/L4.3
- (C10) INTERPRETIVE SIGN PANEL (TYP). DETAIL L2.2, 3/L4.5.
- (C11) STONE BOULDERS (TYP). SIZING SCHEDULE L2.2. DETAIL 5/L4.4, 6/L4.4, 8/L4.4.
- (C12) STONE SLAB STAIRS. DETAIL 2/L4.4, 3/L4.4
- (C13) STAIR HANDRAILS. DETAIL 3/L4.6
- (C15) PAVILION STRUCTURE. DETAIL A1.0, A1.1,A1.2,A1.3,A1.4,A1.5
- (C19) RUBBERIZED PLAY SURFACING-VARIOUS COLORS (TYP). DETAIL L2.3, 1/L4.6 & 4/L4.7, &7/L4.7
- (C20) COLORED CONCRETE SEAT WALLS AT PLAY AREA WITH CUSTOM COLOR (TYP). DETAIL 4/L4.3 & 5/L4.3.
- (C21) COLORED CONCRETE FLUSH CURBS (TYP). DETAIL 7/L4.2.
- (C22) SAFETY RAILS. DETAIL 4/L4.6 & 6/L4.6 FOR WALL AT OVERLOOK. DETAILS 2/L4.6 & 5/L4.6 FOR BRIDGE TO PLAY AREA.
- (C24) 3 BOARD WOOD FENCE. DETAIL 6/L4.7 (TYP).
- (C26) GRASS MOUND (TYP). DETAIL 3/L4.7.
- (C27) BACKLESS BENCH. DETAIL 6/L4.5, 9/L4.6
- (C28) INTERPRETIVE ARCH.(TYP). DETAIL 7/L4.6 & 8/L4.6.
- (C30) PLAY STRUCTURES. SEE PLANS & SCHEDULE ON L2.3. DETAIL 4/L4.7, 7/L4.7, L4.8, L4.9
- (C31) PICNIC TABLES. L2.2 FOR TYPES & LOCATIONS. DETAIL 1/L4.5, 2/L4.5, 8/L4.5, 9/L4.5.
- (C32) TRASH AND RECYCLE RECEPTACLE. DETAIL 6/L4.5, C/L2.0
- (C35) PLAY MOUND. DETAIL 5/L4.7



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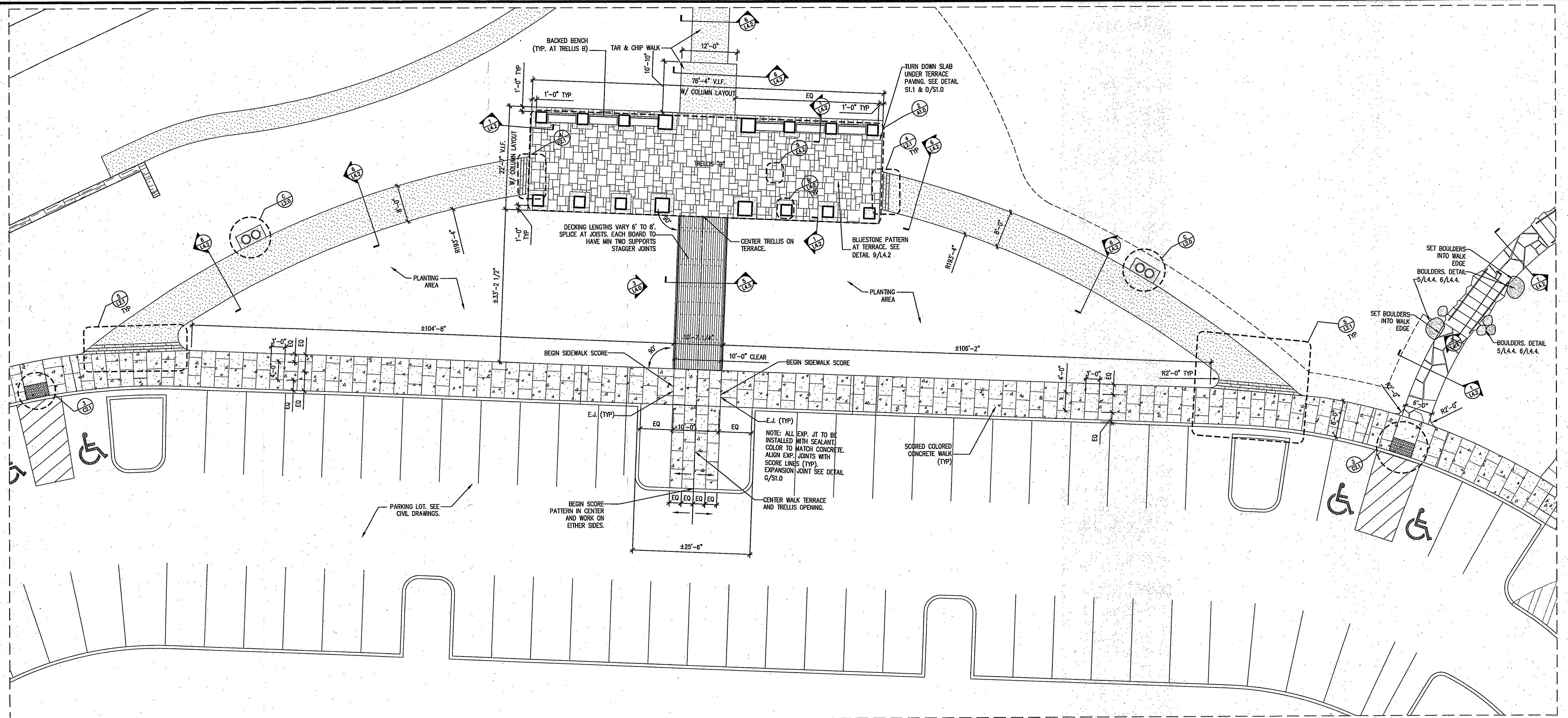
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REVIEW AND APPROVAL	
Project Manager Date 8/1/13	<i>Uoda Koma</i>
Project Engineer Date 8/13/13	<i>B. DeG...</i>
Construction Manager Date	
Park Manager Date	

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REVISIONS		
Rev. No.	Date	Description

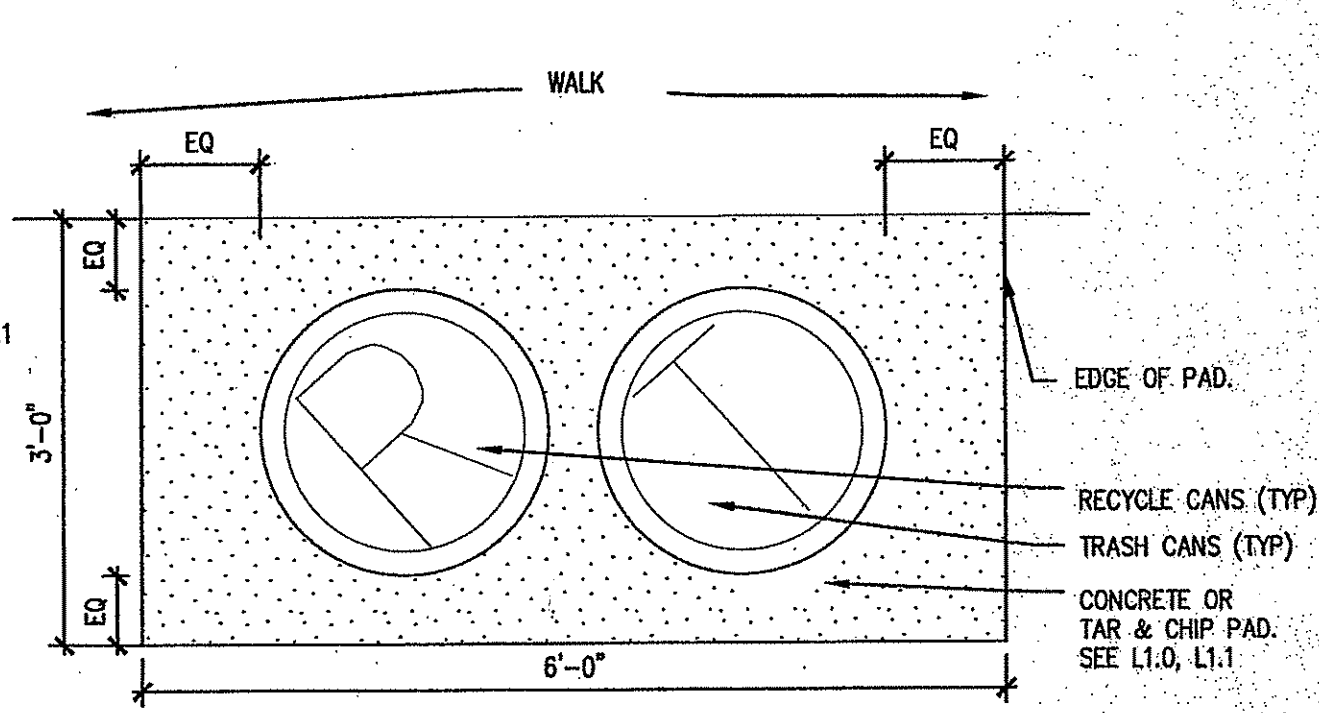
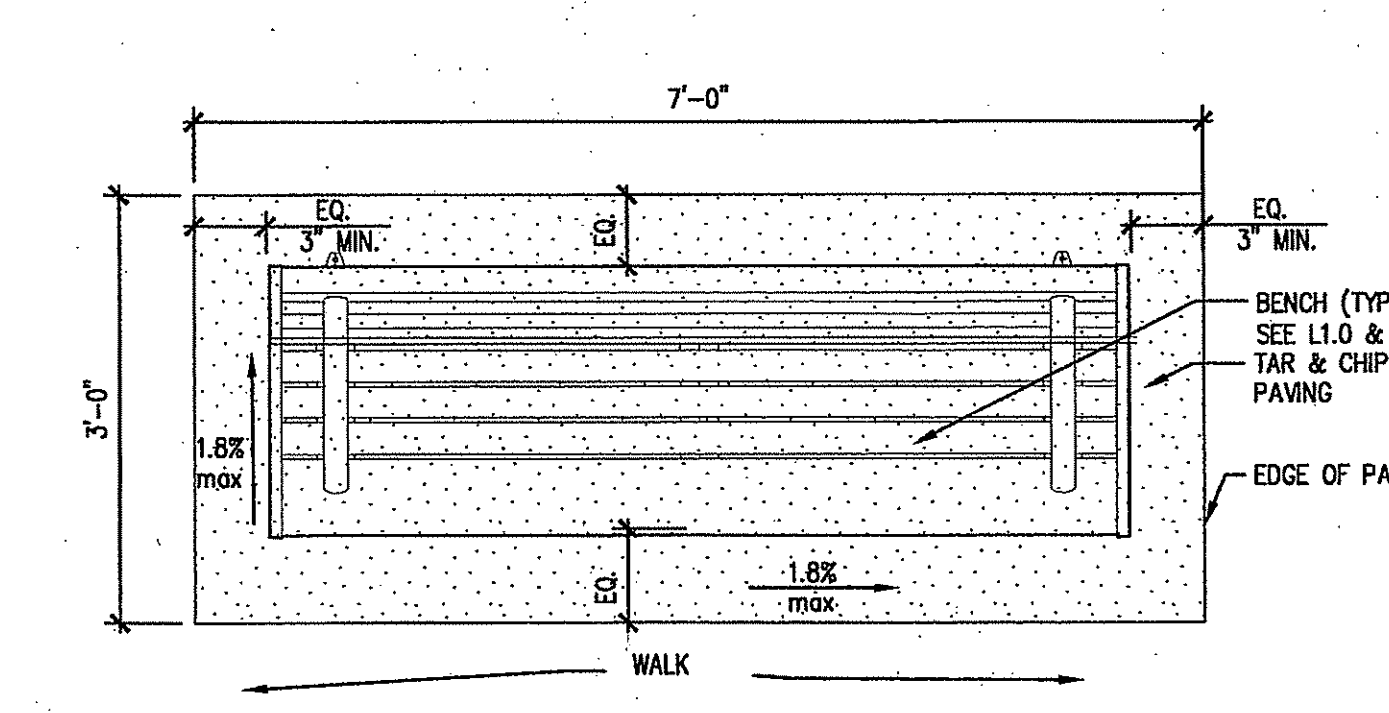
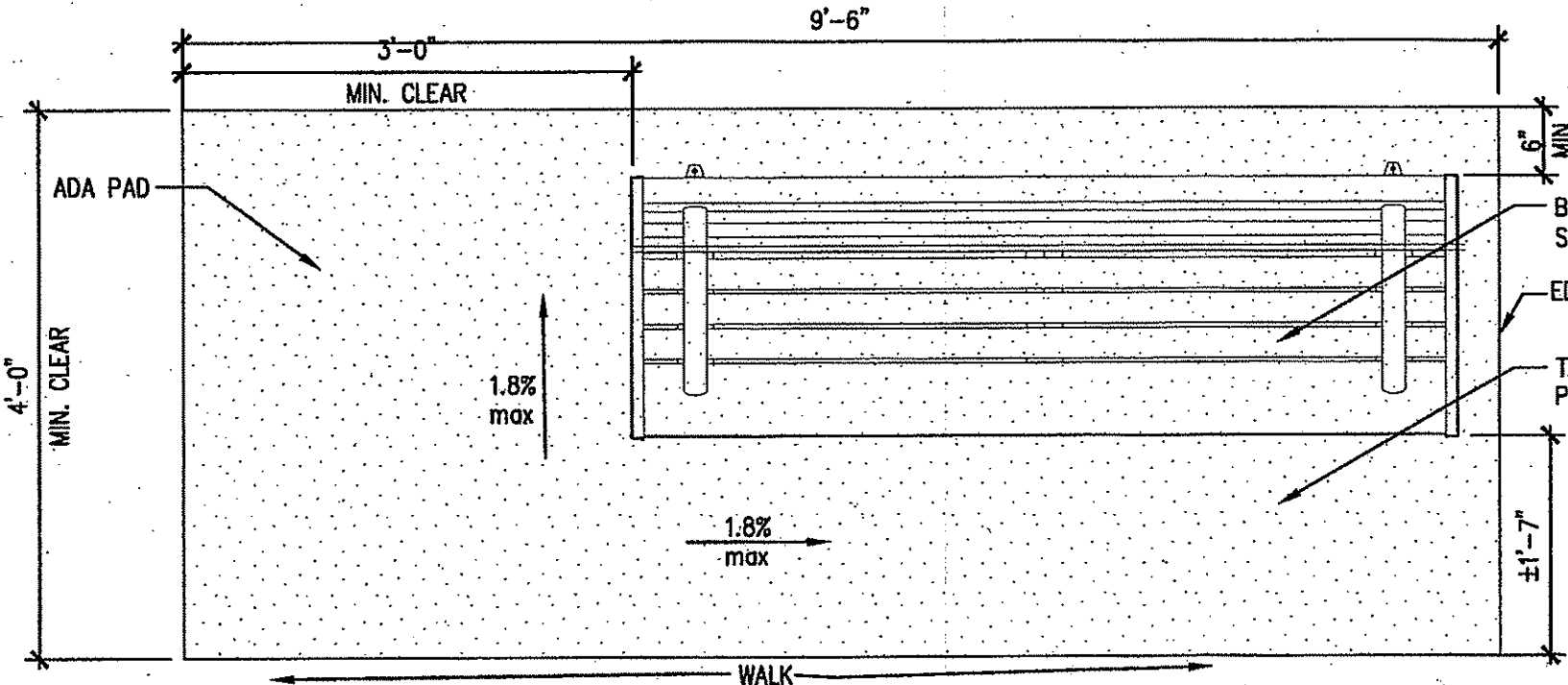
GREENBRIAR LOCAL PARK
HARDSAPE SITE PLAN 2
 SCALE: AS SHOWN
 Liber 10551 Folio 180
 Liber 10551 Folio 183
 Liber 10565 Folio 312

DWG. # ___ of ___
L1.1
 SHT. # **11** of **12**



Layout and Material Notes:

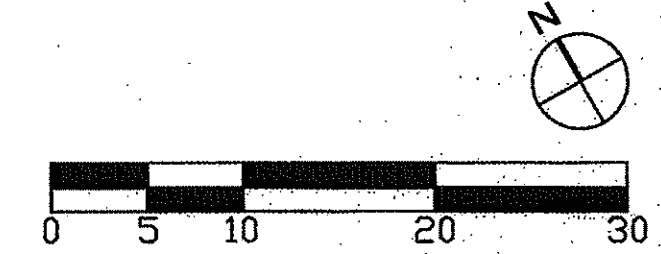
1. Verify the correct location of all utilities in the field prior to construction. Contractor shall notify Miss Utility.
2. Locations and elevations for all walls, curbs, signs, stone trellis columns, stone terraces, play equipment, boulders, interpretive arches, interpretive signs and furniture etc. shall be staked in the field by the contractor and final locations and elevations shall be approved by the Construction Manager prior to construction. Minor adjustments in horizontal layout and top of wall elevations shall not result in an increase in price by the Contractor.
3. Written dimensions will prevail on this layout plan. Do not scale from this plan.
4. Submit for approval by Construction Manager, samples and product literature on all materials including but not limited to stone, fasteners, mortar, aggregates, paving, curbing, walls, signage, furniture etc.
5. Field verify location of all existing trees.



A ADA BENCH PAD DETAIL (TYP) L2.0 3/4"=1'-0"

B BENCH PAD DETAIL (TYP) L2.0 3/4"=1'-0"

C TRASH AND RECYCLE CAN-PAD DETAIL (TYP) L2.0 3/4"=1'-0"



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 License #526
 Julie Barrett Higgins
 STATE OF MARYLAND

The Maryland-National Capital Park and Planning Commission
 Montgomery County Department of Parks
 9500 Brunnet Avenue
 Silver Spring, Maryland 20901
 (301) 495-2535

REVIEW AND APPROVAL
 Project Manager Date 8/1/13
 Project Engineer Date 3/2/13
 Construction Manager Date
 Park Manager Date

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Rev. No.	Date	Description

GREENBRIAR LOCAL PARK
HARDSCAPE ENLARGEMENT
PLAN - ENTRANCE TERRACE
 SCALE: AS SHOWN
 Liber 10551 Folio 180
 Liber 10551 Folio 183
 Liber 10565 Folio 312

DWG. # ___ of ___
L2.0
 SHT. # 12 of 79

FINAL SCANNED:

PLAN SCANNED:

PARK CODE: C10

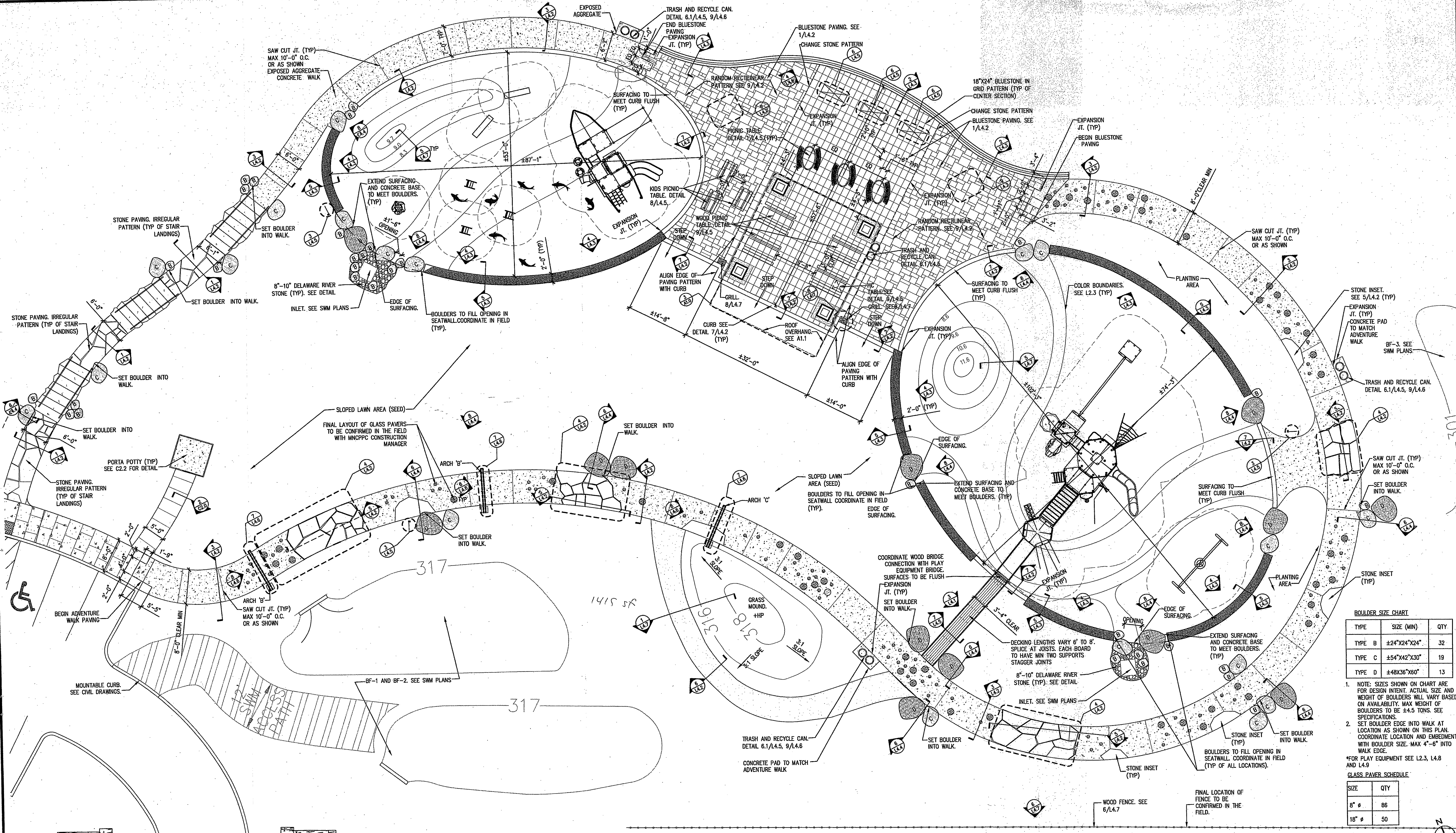
Plotted By: On 8/19/2013

ARCH CAD-BM Drawings\2.2 Hardscape Enlargement Plan-Play Area.dwg

Project: Local Park\07

Client: Greenbriar Local Park

Scale: 1"=10'-0"



BOULDER SIZE CHART

TYPE	SIZE (MIN)	QTY
TYPE B	±24"x24"x24"	32
TYPE C	±54"x42"x30"	19
TYPE D	±48x36"x80"	13

- NOTE: SIZES SHOWN ON CHART ARE FOR DESIGN INTENT. ACTUAL SIZE AND WEIGHT OF BOULDERS WILL VARY BASED ON AVAILABILITY. MAX WEIGHT OF BOULDERS TO BE ±4.5 TONS. SEE SPECIFICATIONS.
 - SET BOULDER EDGE INTO WALK AT LOCATION AS SHOWN ON THIS PLAN. COORDINATE LOCATION AND EMBEDMENT WITH BOULDER SIZE. MAX 4"-6" INTO WALK EDGE.
- *FOR PLAY EQUIPMENT SEE L2.3, L4.8 AND L4.9

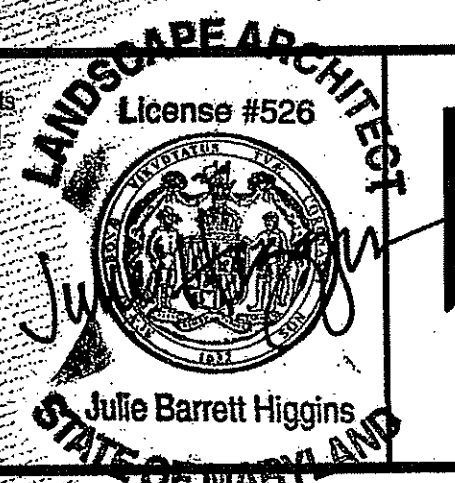
GLASS PAVER SCHEDULE

SIZE	QTY
8" #	86
18" #	50

ADVENTURE WALK AND PLAY AREA: PLAN ENLARGEMENT
 1 L2.2 1"=10'-0"

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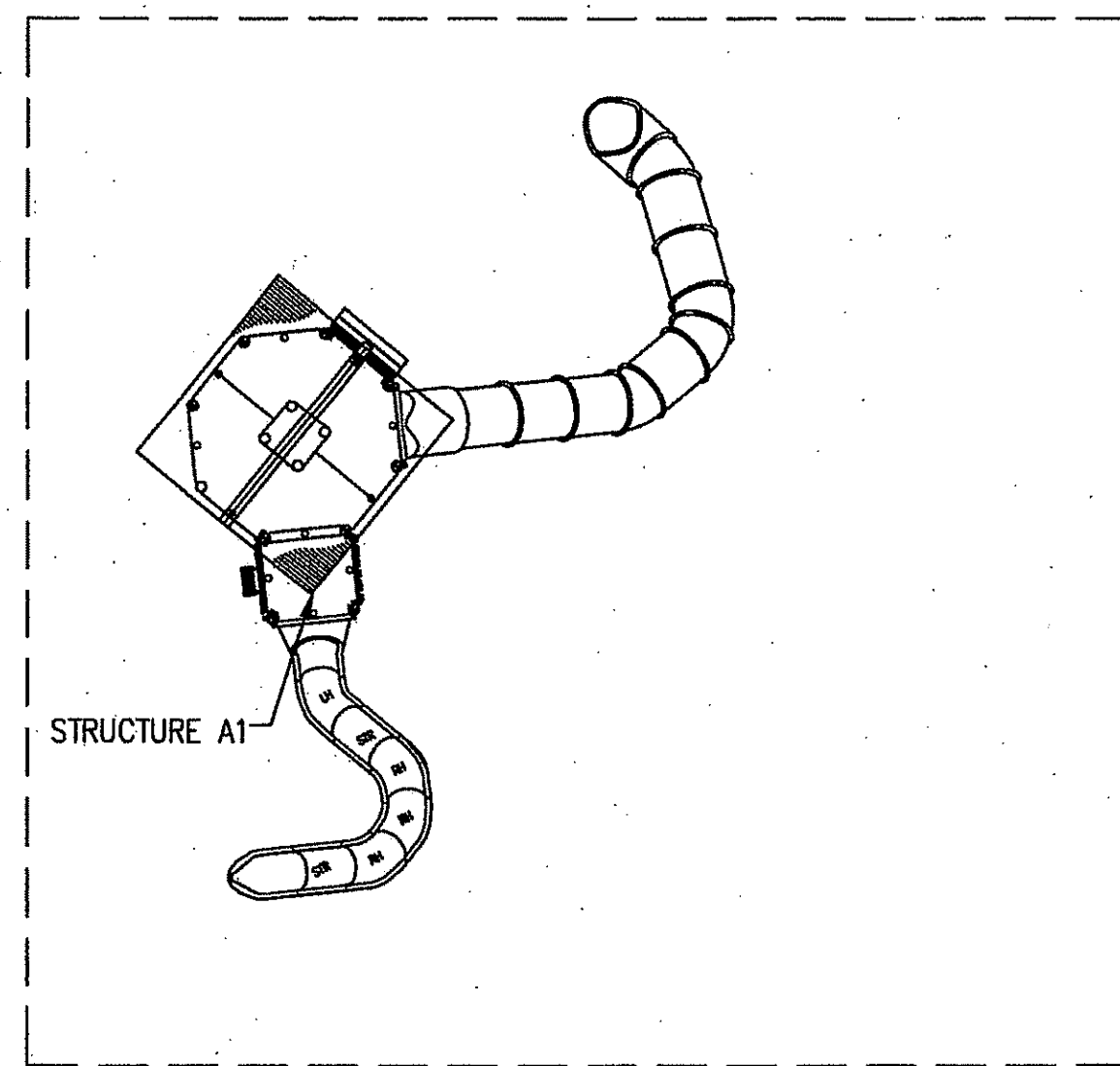
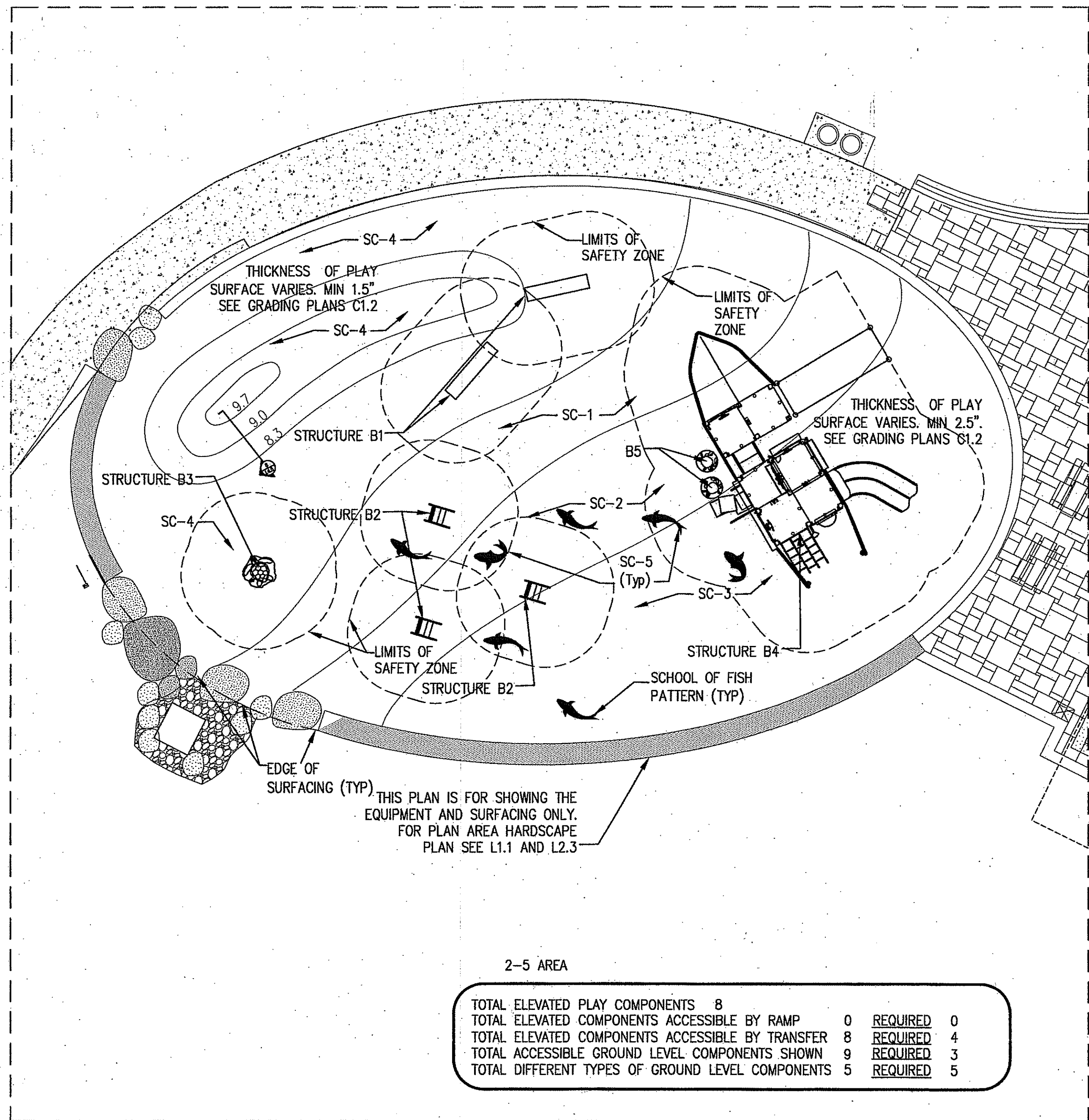
REVIEW AND APPROVAL
 Project Manager: *[Signature]*
 Date: *8/13/13*
 Project Engineer: *[Signature]*
 Date: *8/13/13*
 Construction Manager: *[Signature]*
 Date: *8/13/13*
 Park Manager: *[Signature]*
 Date: *8/13/13*

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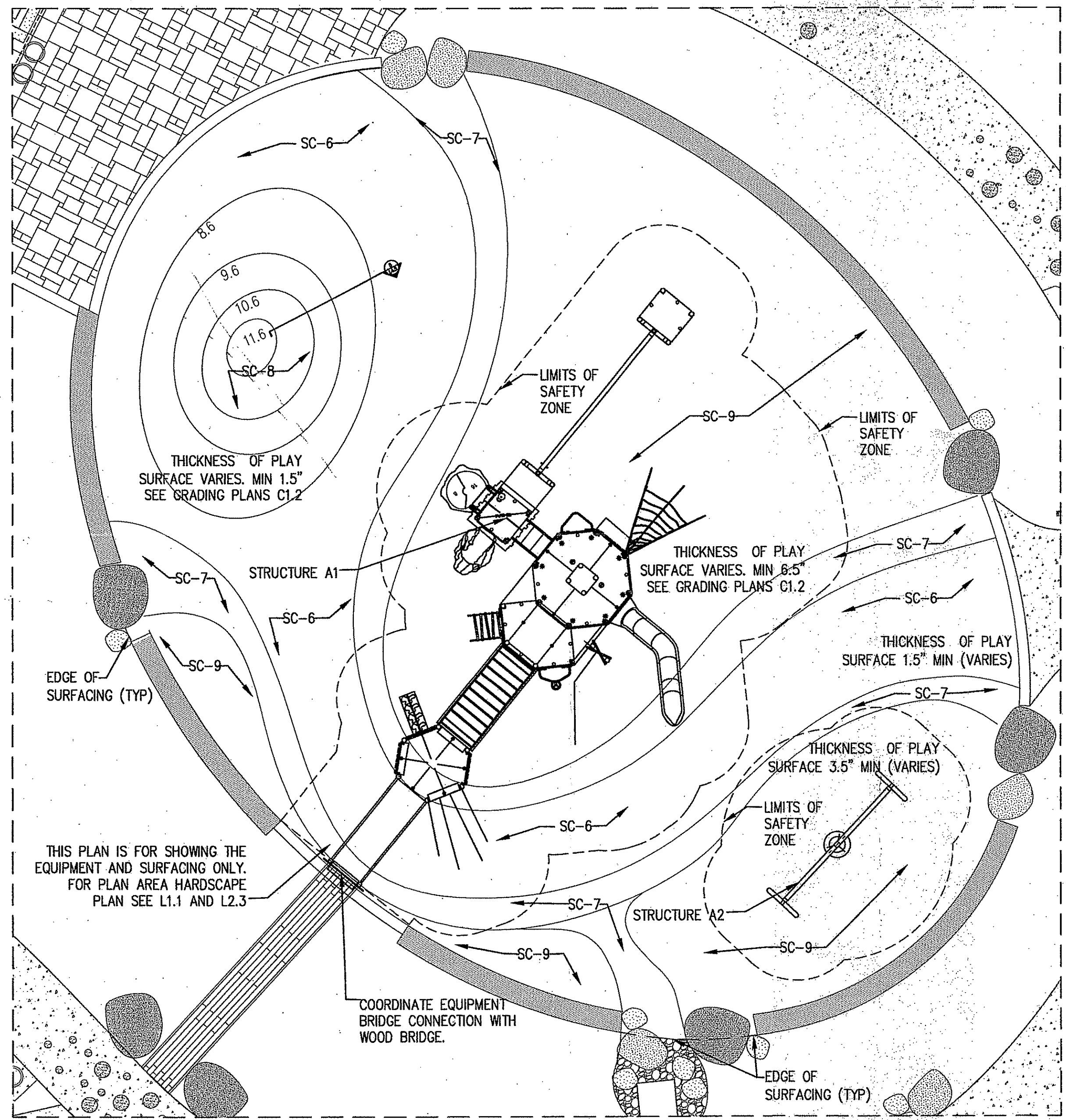
Rev. No.	Date	Description

**GREENBRIAR LOCAL PARK
 HARDSCAPE ENLARGEMENT
 PLAN: PLAY AREA**
 Liber 10551 Folio 180
 Liber 10551 Folio 183
 Liber 10565 Folio 312
 SCALE: AS SHOWN

DWG. # of
L2.2
 SHT. # *14* of *29*



TOTAL ELEVATED PLAY COMPONENTS	17	REQUIRED	9
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	9	REQUIRED	9
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	1	REQUIRED	0
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	3	REQUIRED	0
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	3	REQUIRED	3



PLAY SURFACE COLOR SCHEDULE

- COLOR "SC-1": BRIGHT BLUE (WAVE 2)
- COLOR "SC-2": BLUE (WAVE 1)
- COLOR "SC-3": DARK BLUE (CHESAPEAKE BAY)
- COLOR "SC-4": BEIGE (BEACH AND SAND DUNE)
- COLOR "SC-5": GREY (SCHOOL OF ROCKFISH)
- COLOR "SC-6": DARK BLUE (RIVER)
- COLOR "SC-7": BRIGHT BLUE (SHALLOW RIVER EDGE)
- COLOR "SC-8": GREEN (ISLAND)
- COLOR "SC-9": MIX OF GREENS (MOUNTAIN)

NOTE: PLAY SURFACING BY PLAYTOP SAFETY SURFACING OR APPROVED EQUAL. COLOR SCHEDULE IS PROVIDED FOR DESIGN INTENT ONLY. FINAL COLORS TO BE SELECTED BY MNCPPC CONSTRUCTION MANAGER FROM SURFACING MANUFACTURERS' FULL RANGE OF CUSTOM COLORS. SUBMIT COLOR CHARTS AND SAMPLES FOR SELECTION.

PLAY STRUCTURE SCHEDULE

- STRUCTURE "A1": CUSTOM PLAYBOOSTER WITH TREE HOUSE AND BRIDGE. DETAILS 1/L4.8, 2/L4.8, 3/L4.8
- STRUCTURE "A2": CUSTOM "A" FRAME TIRE SWING. DETAIL 4/L4.8
- STRUCTURE "B1": CUSTOM WASHED LOGS. DETAIL 1/L4.9
- STRUCTURE "B2": CUSTOM ROCKFISH SPRING RIDERS WITH HI DEFINITION DIGI (DIGITAL INFUSION IMAGERY) FISH GRAPHIC. DETAIL TO BE PROVIDED BY PLAY EQUIPMENT MANUFACTURER. HI DEFINITION GRAPHIC IMAGES PROVIDED BY MNCPPC. FISH IMPRINTS ON OUT SIDE FACE WITH SOLID COLOR ON INSIDE FACE (TYP). DETAIL 7/L4.9
- STRUCTURE "B3": CUSTOM TERRAPIN. DETAIL 5/L4.9
- STRUCTURE "B4": CUSTOM CHESAPEAKE BUY BOAT. DETAIL 1/L4.9, 2/L4.9, 3/L4.9 AND 4/L4.9
- STRUCTURE "B5": CUSTOM CRAB STEPPERS. DETAIL 6/L4.9

NOTE: SEE L4.8 AND L4.9 AND SPECIFICATIONS FOR ALL STRUCTURES AND COMPONENTS. ALL PLAY STRUCTURES PROVIDED BY LANDSCAPE STRUCTURES INC. OR APPROVED EQUAL.

PLAY EQUIPMENT AND SURFACING NOTES:

- ALL PLAY EQUIPMENT AND SURFACING AS NOTED ON THIS DRAWING AND SPECIFICATIONS OR APPROVED EQUAL.
- ALL PLAY EQUIPMENT PLANS AND ELEVATIONS SHOWN ON L2.3, L4.8 AND L4.9 ARE AS PROVIDED BY LANDSCAPE STRUCTURES INC.
- CONTRACTOR TO COORDINATE LAYOUT OF PLAY EQUIPMENT WITH ALL SURROUNDING ELEMENTS. FINAL LAYOUT TO BE STAKED OUT IN THE FIELD FOR APPROVAL BY MNCPPC CONSTRUCTION MANAGER.
- CONTRACTOR AND PLAY EQUIPMENT MANUFACTURER TO VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF PLAY EQUIPMENT.
- SUBMIT DETAILED SHOP DRAWINGS AND DETAILS FOR ALL PLAY EQUIPMENT AND SURFACING INCLUDING PRODUCT LITERATURE, MATERIAL CHARTS, SURFACING PRODUCT INFORMATION, CUSTOM COLOR CHARTS AND MATERIAL SAMPLES FOR APPROVAL BY MNCPPC CONSTRUCTION MANAGER.
- COORDINATE LOCATION AND INTERFACE OF PLAY EQUIPMENT BRIDGE WITH WOOD BRIDGE FROM ADVENTURE WALK. WOOD BRIDGE AND PLAY EQUIPMENT BRIDGE SHALL CONNECT WITH A MAX OF 1/4" GAP BETWEEN DECKING SURFACES. VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO CONSTRUCTION.
- PLAY EQUIPMENT MANUFACTURER TO ENSURE THAT ADEQUATE POST HEIGHT IS PROVIDED TO MEET THE MINIMUM EMBEDMENT PER POST EQUIPMENT DETAIL 4/L4.7.
- SURFACING THICKNESS VARIES BASED ON FALL ZONES. CONCRETE SLAB STEPS TO ACCOMMODATE VARIOUS THICKNESS OF PLAY SURFACING. SEE C1.2 FOR GRADING PLANS AT PLAY AREA.

PLAY EQUIPMENT PLAN 1

L2.3 1/8"= 1'-0" (2-5 YRS)

PLAY EQUIPMENT PLAN 2

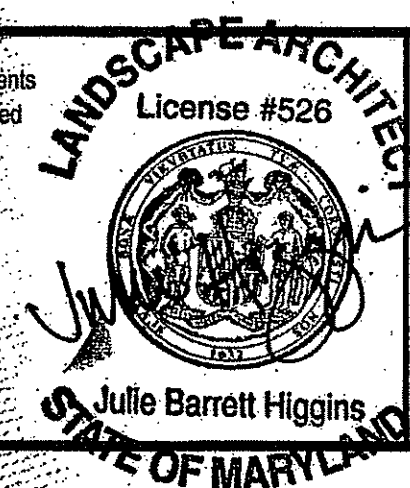
L2.3 1/8"= 1'-0" (5-12 YRS)

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License No. #526 Expiration Date 07.15.13



The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks 9500 Brunnet Avenue Silver Spring, Maryland 20901 (301) 495-2535

REVIEW AND APPROVAL

Project Manager	Date	8/1/13	Wade
Project Engineer	Date	8/1/13	BSEA
Construction Manager	Date		
Park Manager	Date		

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REVISIONS		
Rev. No.	Date	Description

GREENBRIAR LOCAL PARK

PLAY EQUIPMENT PLANS

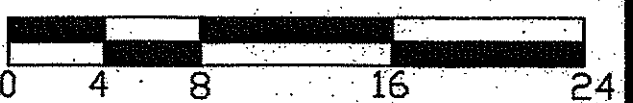
SCALE: AS SHOWN

Liber 10551 Folio 180
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Liber 10565 Folio 312

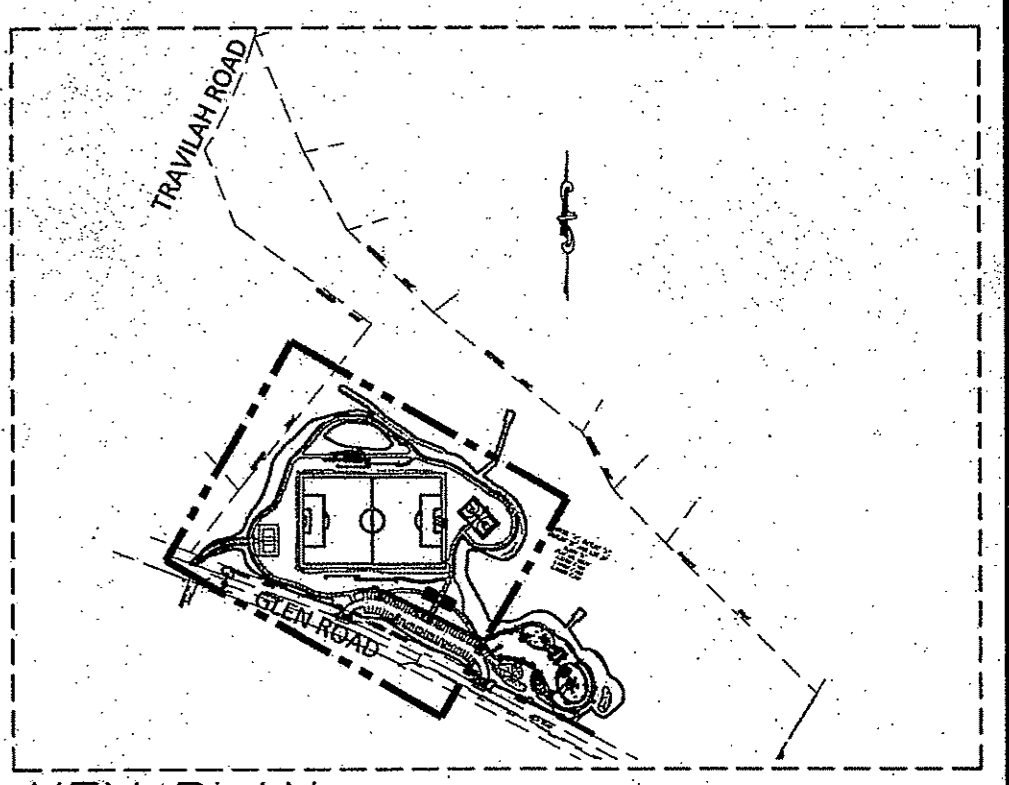
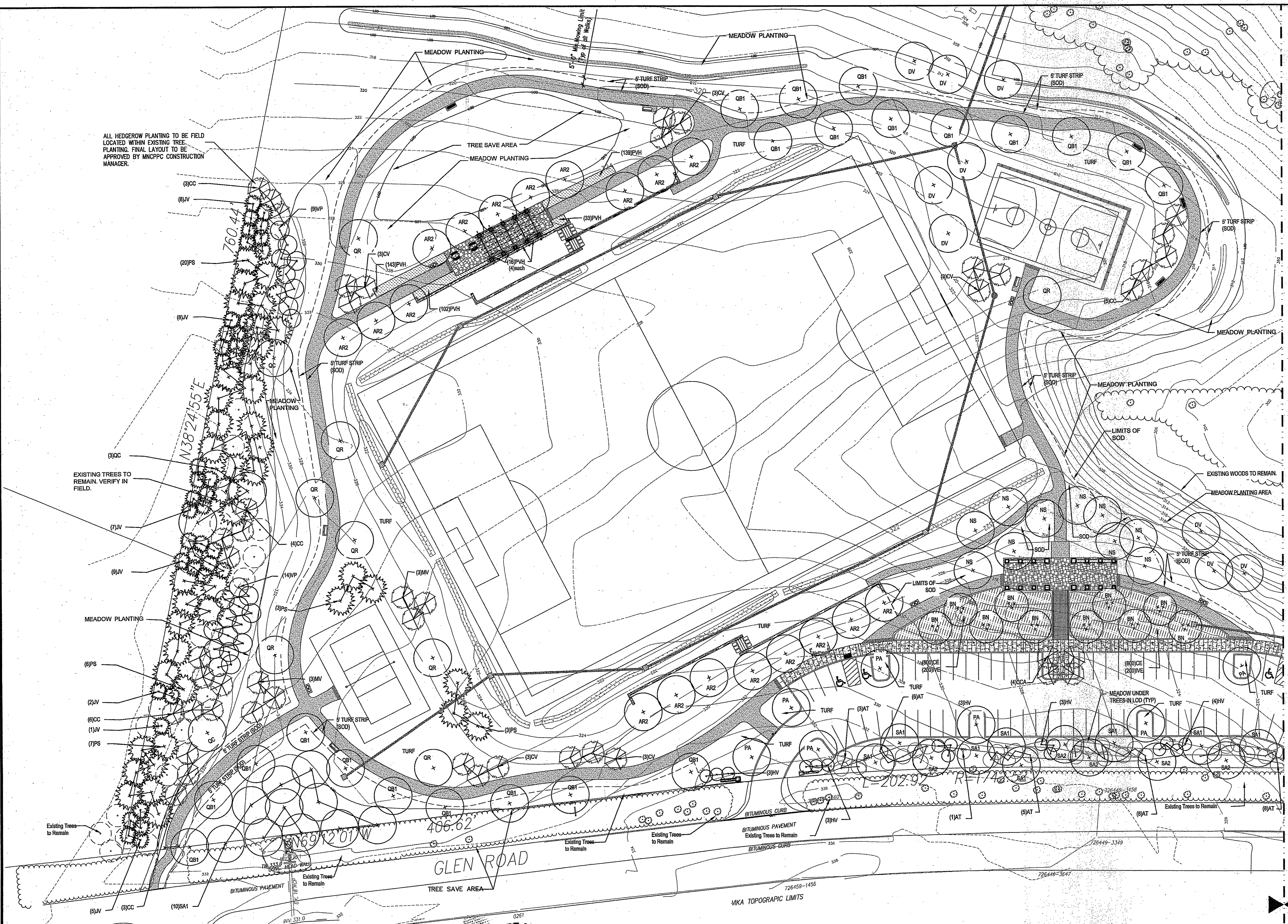
DWG. # ___ of ___

L2.3

SHT. # 15 of 29

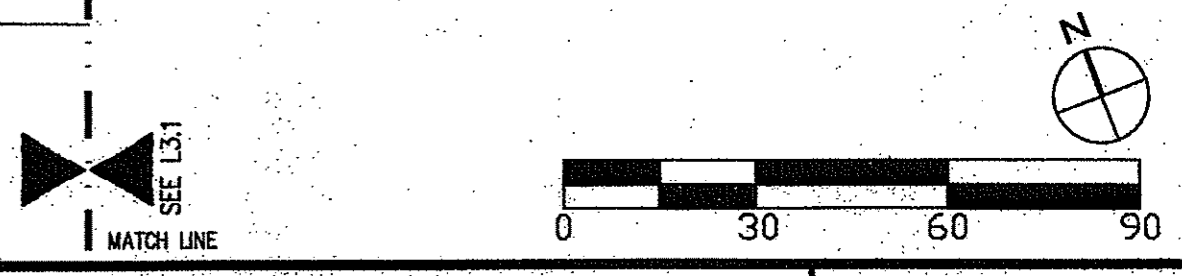


FINAL SCANNED: PLAN SCANNED: C10
 Plotted By: Om Khurpalar, 5/28/2013 11:56 AM, HCL_normal.ab
 PARK CODE: C10
 PA:211011.00 MNCPPC Greenbriar Local Park\07 Drawings\01 ARCH CAD-BN Drawings\L3.0 Planting Plan 1.dwg Layout1



KEY PLAN
 1"=500'-0"

NOTE:
 1. SEE SHEET L3.2 FOR PLANT SCHEDULE. ALL PLANT MATERIAL SHOWN ON THE PLANS IS BEING GROWN AT THE COMMISSION'S POPE FARM NURSERY. THE CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING, PLANTING, GUARANTYING AND MAINTAINING ALL PLANTS AND TREES FOR A PERIOD OF 2 YRS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AS-BUILT APPROVAL AND SEDIMENT AND EROSION CONTROL PERMIT CLOSEOUT FOR THE BIORETENTION FACILITY. SEE SHW DWGS FOR BIORETENTION FACILITY PLANTING PLAN AND PLANT LIST.



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 Julie Barrett Higgins
 STATE OF MARYLAND

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 Montgomery County Department of Parks
 9500 Brunnet Avenue
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 (301) 495-2535

REVIEW AND APPROVAL	
Project Manager	Date 8/13/13 [Signature]
Project Engineer	Date 8/13/13 [Signature]
Construction Manager	Date
Park Manager	Date

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GREENBRIAR LOCAL PARK
PLANTING PLAN 1
 Liber 10551 Folio 180
 Liber 10551 Folio 183
 Liber 10565 Folio 312

DWG. # ___ of ___
L3.0
 SHT. # 16 of 29

PLANT LIST					
QTY.	SYM.	BOTANICAL/COMMON NAME	SIZE	CONT.	REMARKS
SHADE TREES					
18	AR1	Acer rubrum 'Brandywine' Brandywine Red Maple	Min. 3 1/2" - 4" Cal.	B&B	Matched, Specimens
19	AR2	Acer rubrum 'Red Sunset' Red Sunset Maple	Min. 3 1/2" - 4" Cal.	B&B	Matched, Specimens
10	BN	Betula nigra 'Dura Heat' Heritage River Birch 'Dura Heat'	4"-4 1/2" Cal.	B&B	multi-stem (min 3 stems) Clump Form, Matched Specimen
12	DV	Diospyros virginiana Common Persimmon/ American persimmon	2 1/2" - 3" Cal.	B&B	
10	NS	Nyssa sylvatica Black Tupelo	Min. 2 1/2" - 3" Cal.	B&B	Matched, Specimens
11	PA	Platanus acerifolia 'Yarwood' Yarwood Planetree	Min. 2 1/2" - 3" Cal.	B&B	Matched, Specimens
4	QC	Quercus coccinea Scarlet Oak	Min. 2 1/2" - 3" Cal.	B&B	
21	QB1	Quercus bicolor Swamp White Oak	Min. 2 1/2" - 3" Cal.	B&B	Matched, Specimens
6	QB2	Quercus bicolor Swamp White Oak	Min. 3"-3 1/2" Cal.	B&B	Matched, Specimens
12	QR	Quercus rubra Red Oak	Min. 3"-3 1/2" Cal.	B&B	Matched, Specimens
18	SA1	Sassafras albidum Sassafras	Min. 2 1/2" - 3" Cal.	B&B	Matched, Specimens
5	SA2	Sassafras albidum Sassafras	Min. 2"-2 1/2" Cal.	B&B	
EVERGREEN TREES					
54	JV	Juniperus virginiana Eastern Red Cedar	Min. 6'-8' ht.	B&B	Full
56	PS	Pinus strobus White Pine	Min. 6'-8' ht.	B&B	Full
ORNAMENTAL TREES					
21	CC	Cercis canadensis Eastern Redbud	7'-9' ht.	B&B	
4	CCA	Cercis canadensis 'Alba' White Redbud	7'-9' ht.	B&B	Full, Matched, Specimens
15	CV	Chionanthus virginicus Fringe Tree	7'-9' ht.	B&B	Matched, Specimens
13	MV	Magnolia virginiana 'Jim Wilson' Jim Wilson Magnolia	7'-9' ht.	B&B	Full, Matched Specimens
2	OA	Oxydendron arboreum Sourwood	7'-9' ht.	B&B	Full, Matched Specimens
SHRUBS					
31	AT	Azalea triloba Common Pawpaw	3'-6' ht.	B&B	Full
19	HV	Hammamelis virginiana Witch Hazel	30"-36" ht.	5 gal	Full
10	IV	Itea virginica 'Henry's Garnet' Witch Hazel	30"-36" ht.	5 gal	Full
23	VP	Viburnum prunifolium 'Early Red' Early Red Viburnum	30"-36" ht.	5 gal	Full
PERENNIALS & GRASSES					
1600	CE	Carex elata "Straight Species" Broadwing Sedge		1 gal.	18" o.c., Straight species only. No cultivars accepted.
400	IVE	Iris versicolor Blue Flag		1 gal.	18" o.c., Interplant w/ Carex
507	PVA	Panicum virgatum Switchgrass		1 gal.	18" o.c.
569	PVH	Panicum virgatum 'Heavy Metal' Heavy Metal Switchgrass		1 gal.	18" o.c.
574	PVS	Panicum virgatum 'Shenandoah' Shenandoah Switchgrass		1 gal.	18" o.c.
520	SSC	Schizachyrium scoparium Little Bluestem		1 gal.	18" o.c.

GENERAL LANDSCAPING NOTES:

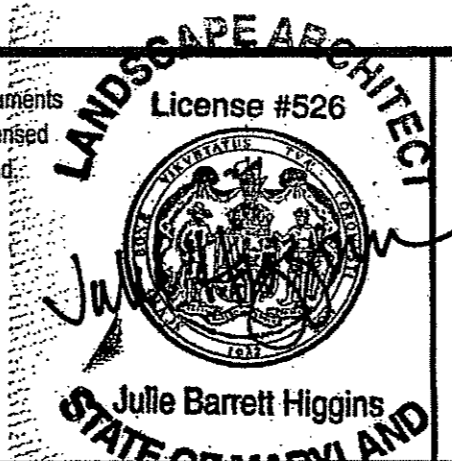
- M-NCPPC CONSTRUCTION MANAGER SHALL BE NOTIFIED TWO (2) WEEKS PRIOR TO PLANT INSTALLATION. ALL PLANTS WILL BE INSPECTED AND APPROVED BY M-NCPPC CONSTRUCTION MANAGER PRIOR TO INSTALLATION. SEE PLANT INSTALLATION SPECIFICATION FOR DETAILS.
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING MISS UTILITY PRIOR TO BEGINNING CONSTRUCTION FOR LOCATION OF ALL UTILITY LINES AND EASEMENTS. CONTRACTOR SHALL BE LIABLE FOR DAMAGE TO ANY AND ALL PUBLIC OR PRIVATE UTILITIES.
- CONTRACTOR TO VERIFY PLANT LIST-TOTALS WITH QUANTITIES SHOWN ON PLAN. IN CASE OF DISCREPANCY, M-NCPPC CONSTRUCTION MANAGER SHALL BE ALERTED.
- WHERE TREES ARE PLANTED IN ROWS, THEY SHALL BE UNIFORM IN SIZE AND SHAPE.
- TREE STAKING AND GUYING SHALL BE DONE PER DETAILS, IF NECESSARY. CONTRACTOR SHALL ENSURE THAT TREES REMAIN UPRIGHT FOR THE DURATION OF THE TWO YEAR WARRANTY PERIOD. AT THE END OF ONE YEAR, ALL RUBBER HOSE AND WIRE STAKES, AND ANY MISC. TAGS SHALL BE REMOVED FROM THE TREES AND THE SITE.
- MULCH FOR TREES AND SHRUBS IS TO BE DOUBLE SHREDDED HARDWOOD MULCH. SEE SPECIFICATION 723 FOR MORE INFORMATION.
- DEAD PLANTS ARE TO BE REMOVED FROM THE JOB BY THE CONTRACTOR WEEKLY. THE CONTRACTOR SHALL MAINTAIN AN UPDATED, COMPREHENSIVE LIST OF ALL DEAD MATERIALS REMOVED AND PRESENT A COPY OF THE LIST TO THE M-NCPPC CONSTRUCTION MANAGER AT THE END OF EVERY MONTH DURING THE CONTRACT PERIOD AND 2 YEAR MAINTENANCE WARRANTY.
- CONTRACTOR SHALL GUARANTEE ALL LANDSCAPE IMPROVEMENTS, INCLUDING SEEDING, FOR TWO FULL YEARS AS REQUIRED BY THE SPECIFICATIONS. CONTRACTOR MUST CONTACT THE OWNER AT LEAST 10 WORKING DAYS IN ADVANCE TO SCHEDULE ACCEPTANCE INSPECTION(S). CONTRACTOR MUST REPLACE ALL DEAD OR UNACCEPTABLE PLANTS DURING THE FOLLOWING RECOMMENDED PLANTING SEASON.
- ALL TREES AND SHRUBS TO HAVE DEER PROTECTION FENCING. SEE DETAILS.

NOTES: FOR BIO-RETENTION PLANTING AND PLANT LIST SEE SHEET SWM1.6

NOTE:
1. SEE SHEET L3.2 FOR PLANT SCHEDULE. ALL PLANT MATERIAL SHOWN ON THE PLANS IS BEING GROWN AT THE COMMISSIONS POPE FARM NURSERY. THE CONTRACTOR IS RESPONSIBLE FOR TRANSPORTING, PLANTING, GUARANTYING AND MAINTAINING ALL PLANTS AND TREES FOR A PERIOD OF 2 YRS. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AS-BUILT APPROVAL AND SEDIMENT AND EROSION CONTROL PERMIT CLOSEOUT FOR THE BIORETENTION FACILITY. SEE SHEET (SWM 1.6) DWGS FOR BIORETENTION FACILITY PLANTING PLAN AND PLANT LIST.

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ARCHITECTURE
LANDSCAPE ARCHITECTURE
PLANNING
INTERIOR DESIGN
750 E. Pratt Street Suite 1100
Baltimore MD 21202
410 837 7311
410 837 6530 fax
www.hcm2.com

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed Landscape Architect under the laws of the State of Maryland.
License No. **#526**
Expiration Date **07-15-13**



The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunnet Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL	
Project Manager Date <i>8/1/13</i> <i>Wanda Koma</i>	
Project Engineer Date <i>8/1/13</i> <i>BSC</i>	
Construction Manager Date	
Park Manager Date	

ISSUED FOR PROCUREMENT ON		
REVISIONS		
Rev. No.	Date	Description

GREENBRIAR LOCAL PARK
Planting Notes and Plant List
Liber 10551 Folio 180
Liber 10551 Folio 183
Liber 10565 Folio 312

DWG. # ___ of ___
L3.2
SHT. # 18 of 29

SCALE: AS SHOWN

