

LITTLE ROCK, ARKANSAS

Architect
POLSHEK PARTNERSHIP LLP
320 West 13th Street
New York, New York 10014
212 607 7171

Landscape Architect



HARGREAVES ASSOCIATES
118 Magazine Street
Cambridge, Massachusetts 02139
617 661 0070
617 661 0064

Coordinating Landscape Architect
LANDSCAPE ARCHITECTURE, INC
2300 Cottondale Lane, Suite 202
Little Rock, Arkansas 72202
501 374 5610

Civil Engineer

McLLELLAN CONSULTING ENGINEERS
900 W Markham Street
Little Rock, Arkansas 72201
501 371 0272

Electrical Engineer

CROWMELL ARCHITECTS ENGINEERS
101 South Spring Street
Little Rock, Arkansas 72201
501 372.2800

Marine + Structural Engineers

MOFFATT + NICHOL ENGINEERS
1616 East Millbrook Road, Suite 160
Raleigh, North Carolina 27609
919 781 4628

Fountain

DAN EUSER WATERARCHITECTURE INC.
58 Mackenzie Drive West
Richmond Hill, Ontario L4C 3S2
CANADA
905 884 4176

Playground Design

PLAY SITE ARCHITECTURE
7 Fairway Road
Acton, Massachusetts 01720
978 263 1050

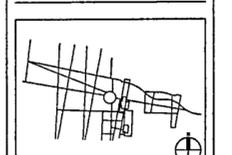
Signage Design

POULIN + MORRIS
286 Spring Street, Sixth Floor
New York, New York 10013
212 675 1332

Sheet

04	100% Site Package 2 CD	08/27/02
03	90% Site Package 2 CD	08/16/02
02	60% Site Package 2 CD	06/29/02
01	100% Design Development	04/01/02
	Issue	Date

Job No	PPA 8638
	HA, CPC0101
Scale	1" = 60'-0"
Date	SEPTEMBER 27, 2002



Job No PPA 8638
HA, CPC0101

Scale 1" = 60'-0"

Date SEPTEMBER 27, 2002

Title SITE PACKAGE 2
100% CONSTRUCTION DOCUMENTS
SITE LIGHTING
& ELECTRICAL LAYOUT

Sheet No

E101

FOR OFFICIAL USE ONLY

LEGEND

KEY	MANUFACTURER	NAME OF FIXTURE	NOTES
A1	BEGA	DISK 20'	REFER TO OTHER E' SHEETS
A2	BEGA	DISK 12'	
E1	SYSTEMALUX	THREE SIDED LIGHT STICK	
F1	HESS AMERICA	MINISPARKS, SINGLE PORT	
F2	HESS AMERICA	POLE/NOVARA 4500S, 1 LAMP	
F3	HIDREL	MODULAR IN-GRADE UP LIGHT	
M2	STERNER, INFRANOR	HIGH MAST LIGHT, 2 LAMPS	
M3	STERNER, INFRANOR	HIGH MAST LIGHT, 3 LAMPS	

FIXTURE TYPES AND LAMPING

THE LIGHTING FIXTURE TYPE SELECTION
USES CUTOFF LIGHT FIXTURES TO AVOID SHOOTING LIGHT DIRECTLY UP INTO THE NIGHT SKY
• USES VISIBLE LIGHT SOURCES FOR PATH LIGHTS TO EMPHASIZE THE PROJECT GEOMETRIES,
PROVIDE INTEREST IN THE NIGHT LANDSCAPE, AND TO PROVIDE VERTICAL LUMINANCE FOR
PEDESTRIANS USING THE PATHS
PROVIDES A HIERARCHY OF LIGHTING THROUGH THE PARK TO ENHANCE THE PARK-SCAPE
USES VARIOUS SURFACE BRIGHTNESS TO ADD INTEREST, DEPTH, AND SAFETY,
• USES UPLIGHTING FOR LIMITED LIGHTING OF LANDSCAPE ELEMENTS

METAL HALIDE LAMPS ARE PREFERRED WHEN METAL HALIDE IS NOT AVAILABLE, IN THE CASE OF
SOME SMALLER FIXTURES, COLOR CORRECTED ALTERNATIVES WILL BE USED FOR THE NEXT BEST
MATCH TO METAL HALIDE

ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA
LIGHTING STANDARDS REFERENCE

ROADWAYS
LOCAL ROADWAYS
(ASPHALT ROAD SURFACE WITH VERY SMOOTH TEXTURE)
COMMERCIAL AREAS 0.9
INTERMEDIATE AREAS 0.6
RESIDENTIAL AREAS 0.4

BIKEWAYS

ALONG ROADSIDE
COMMERCIAL AREAS 0.9
INTERMEDIATE AREAS 0.5
RESIDENTIAL AREAS 0.2
DISTANT FROM ROADSIDE 0.5

WALKWAYS

ALONG ROADSIDE
COMMERCIAL AREAS 0.9
INTERMEDIATE AREAS 0.5
RESIDENTIAL AREAS 0.2
DISTANT FROM ROADSIDE 0.5
PARK WALKWAYS 0.5
PEDESTRIAN STAIRWAYS 0.5

GARDENS

GENERAL LIGHTING 0.5

PARKING AREAS

SELF PARKING 10

LIGHTING GOALS

TO LIGHT THE PARK APPROPRIATELY
FOR PHYSICAL SAFETY AND PERSONAL SECURITY,
FOR ARCHITECTURAL EFFECT FOR THE MUSEUM AND ARCHIVE,
TO PROVIDE APPROPRIATE CONTEXT FOR THE MUSEUM AND ARCHIVE,
TO WORK WITHIN ECONOMIC PARAMETERS OF THE PROJECT BUDGET,
TO MAINTAIN THE APPROPRIATE IMPORTANCE OF ENVIRONMENTAL ISSUES OF LIGHT
TRESPASS

LIGHTING CONCEPTS

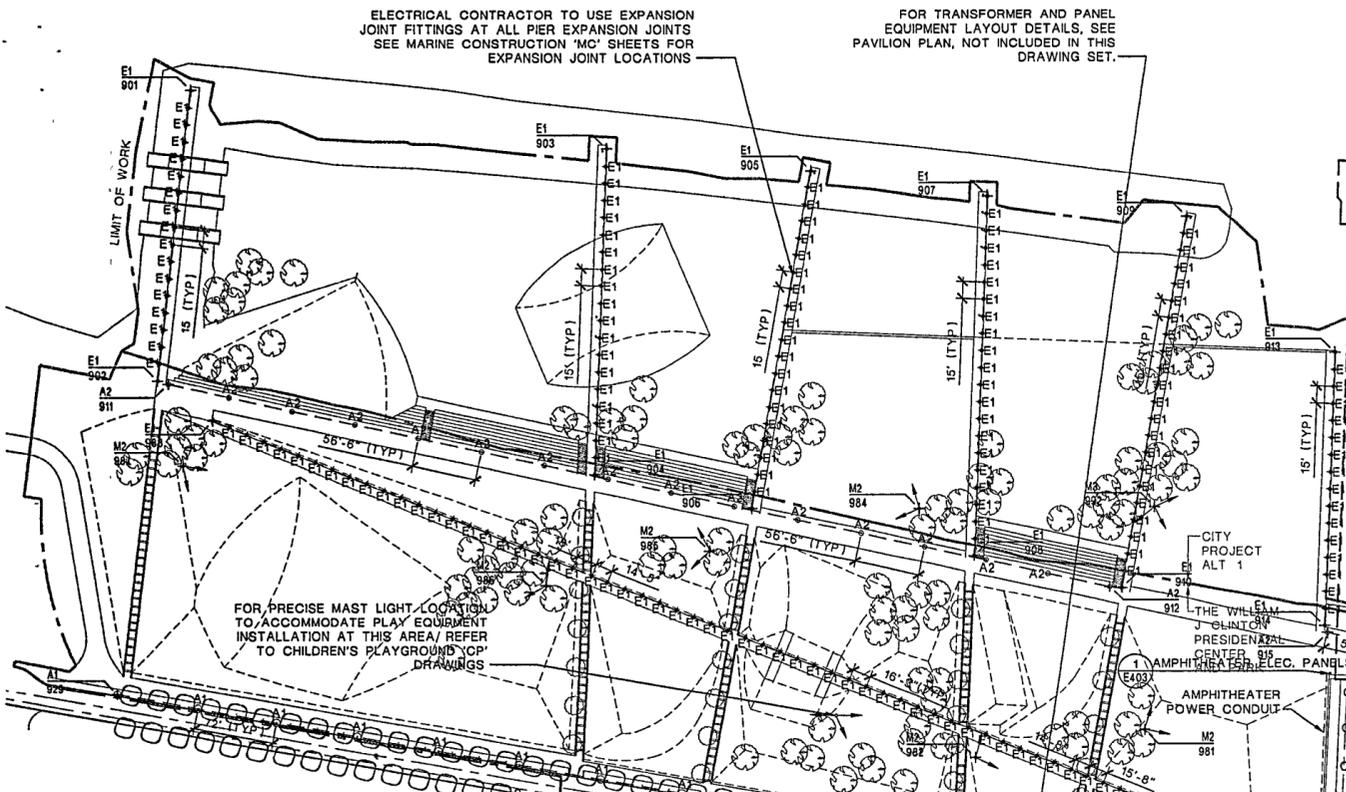
EMPHASIZE THE MONUMENTAL ARCHITECTURE OF THE MUSEUM AND ARCHIVE,
EMPHASIZE THE GEOMETRIC STRUCTURE OF THE PARK,
EMPHASIZE THE TERMINATION OF THE AXIS OF PRESIDENT CLINTON AVENUE,
UNITE THE AXIS WITH THE STREETSCAPE OF DOWNTOWN LITTLE ROCK,
PROVIDE APPROPRIATE LIGHTING LEVELS FOR SUPPORT AREAS,

LIGHTING LEVELS FOR SPECIFIC AREAS OF THE PARK

LIGHTING LAYOUT ACCOMMODATES AVERAGE MINIMUM FOOTCANDLE STANDARDS OF THE
ILLUMINATING ENGINEERING SOCIETY OF NORTH AMERICA (IESNA) - LISTED BELOW FOR
REFERENCE. ALL LIGHT LEVELS ARE GIVEN IN AVERAGE MINIMUM FOOTCANDLES ON A
HORIZONTAL SURFACE AT THE GROUND UNLESS OTHERWISE NOTED

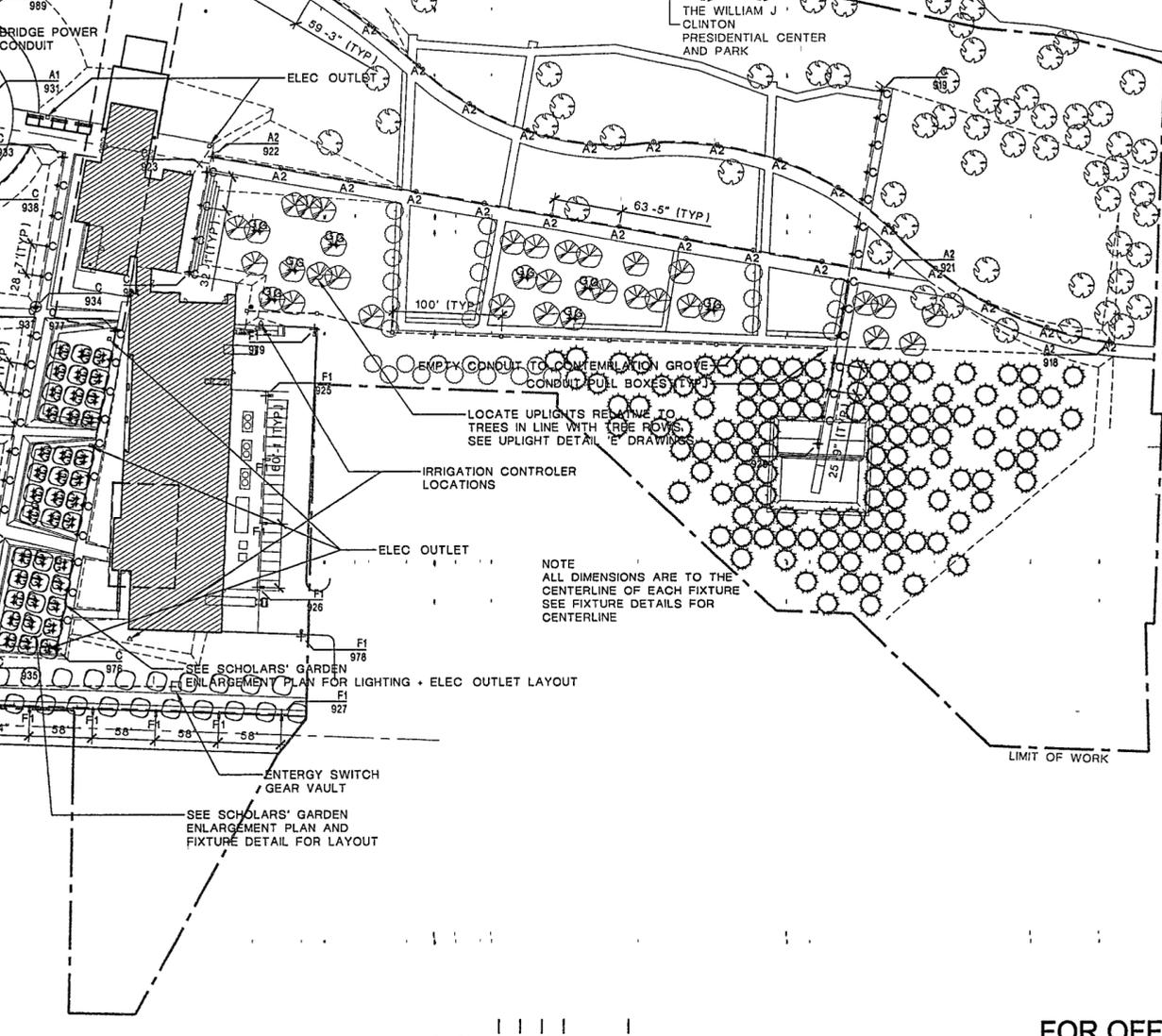
PRESIDENT CLINTON AVENUE 0.9
BYRD STREET 0.9
BIKEWAYS AND WALKWAYS ALONG ROADSIDE 0.9
BIKEWAYS AND WALKWAYS DISTANT FROM ROADSIDE 0.5
PARKING AREAS 10

LIGHTING LAYOUT ACCOMMODATES RECOMMENDED AVERAGE TO MINIMUM RATIOS TO PREVENT
EXCESSIVE HIGH CONTRAST "BRIGHTNESS" RELATIVE TO BACKGROUND LIGHT LEVELS



COORDINATE POINT SCHEDULE

POINT NO	NTH	EST	POINT NO	NTH	EST
901	151221.84	1233560.76	950	150006.39	1234217.49
902	150959.37	1233531.05	951	150005.80	1234235.99
903	1511170.79	1233928.39	952	150006.17	1234246.83
904	150868.01	1233915.27	953	150240.45	1234277.34
905	151161.78	1234104.86	954	150348.58	1233959.96
906	150866.33	1234052.59	955	150349.06	1233896.77
907	151129.18	1234259.92	956	150598.01	1233906.18
908	150814.42	1234246.58	957	150551.10	1233996.18
909	151111.41	1234433.45	958	150017.40	1233902.13
910	150786.41	1234376.17	959	150017.95	1233883.84
911	150965.50	1233540.32	960	150335.57	1234189.89
912	150787.18	1234385.57	962	150001.81	1234444.44
913	150992.26	1234562.30	963	150035.37	1234445.77
914	150752.54	1234533.09	965	150319.49	1234323.96
915	150746.16	1234555.42	966	150035.89	1234241.31
916	150721.12	1234611.27	968	149977.53	1234174.84
917	150672.20	1234781.84	976	149987.79	1234647.34
918	150283.66	1235618.85	977	150296.38	1234700.21
919	150518.68	1235407.10	978	150008.68	1234972.58
920	150189.17	1235349.03	979	150297.65	1234884.30
921	150348.63	1235414.77	980	150581.09	1234490.39
922	150469.89	1234790.22	981	150660.97	1234396.13
923	150444.21	1234784.63	982	150636.68	1234248.03
924	150361.46	1234768.28	984	150866.08	1234198.06
925	150235.15	1234839.52	985	150919.02	1234015.74
926	150055.12	1234832.48	986	150788.89	1233873.12
927	149935.99	1234854.61	987	150883.52	1233553.04
928	149969.71	1233922.30	988	150933.34	1233580.71
929	150692.95	1234495.48	989	150695.08	1234576.68
930	150531.68	1234410.60	990	150693.90	1234579.58
931	150617.66	1234687.16	991	150604.05	1234195.47
932	150487.13	1234630.78	992	150857.27	1234404.59
933	150458.45	1234651.66	993	150213.43	1234452.74
934	150319.83	1234627.20			
935	149991.87	1234669.44			
936	149892.38	1234653.06			
937	150321.83	1234665.97			
938	150408.96	1234669.26			
940	150326.09	1234457.16			
941	150332.60	1234293.59			
942	150334.98	1234230.33			
943	150524.72	1234237.81			
944	150484.16	1234322.06			
945	150270.85	1234282.70			
946	150272.85	1234227.94			
947	150242.29	1234226.74			
948	150067.09	1234219.67			
949	150036.74	1234218.68			



1" = 60'-0" 0 20 40 60 120 FT