5415 Crane Road, Ypsilanti, Michigan 48197

OWNER

Pittsfield Charter Township 6201 W. Michigan Avenue Ann Arbor, Michigan 48108 (734) 822.3101

PITTSFIELD TOWNSHIP PARK COMMISSION

Members:

Cleveland Chandler, Chairperson Theresa Tupacz, Vice Chair Patricia Stanton-Kawalec, Secretary **Deborah Lennington** Karen Zera

PITTSFIELD TOWNSHIP PARKS AND RECREATION

Dan Cooperrider, Director (734) 822.2120

SURVEYOR

Midwestern Consulting

3815 Plaza Drive Ann Arbor, MI 48108

t 734.995.0200

f 734.995.0599

BENCH MARKS

1. RAILROAD SPIKE IN W. SIDE OF 35" OAK (#1001) LOCATED AT THE N.W. PROPERTY CORNER. ELEV.=819.47 NAVD 88

2. RAILROAD SPIKE IN E. SIDE OF UTILITY POLE LOCATED ON THE E. SIDE OF CART SHACK. ELEV.=829.18 NAVD 88

3. RAILROAD SPIKE IN E. SIDE OF 20" SHAGBARK HICKORY (#1050). LOCATED IN MIDDLE OF SITE, W. OF HIGH TENSION LINE. ELEV.=821.15 NAVD 88

4. P.K. NAIL IN E. SIDE OF UTILITY POLE LOCATED 60'± N. OF N.E. PROPERTY CORNER. ELEV.=799.41 NAVD 88

5. RAILROAD SPIKE IN E. SIDE OF UTILITY POLE LOCATED IN THE CENTER OF GOLF COURSE, 550'± W. OF MUNGER ROAD.

ELEV.=819.24 NAVD 88 6. T/BOLT WITH RIBBON ON N.W. SIDE OF TOWER LEG TO HIGH TENSION POWER LINE AT N. PROPERTY LINE.

7.) COORDINATES SHOWN ARE BASED ON LOCAL COORDINATE SYSTEM. UTILIZE THE FOLLOWING INFORMATION FOR CONVERSION TO STATE PLAN COORDINATE SYSTEM:

CENTER SECTION 24 NORTH 1636.96' EAST 1915.47'

ELEV.=821.50 NAVD 88

 $E_{\frac{1}{4}}$ CORNER SECTION 24 NORTH 1582.20' EAST 4572.67'

MICHIGAN STATE PLANE COORDINATES (NAD 83 SOUTH ZONE)

CENTER SECTION 24 NORTH 258,979.60' EAST 13,312,157.84'

E ½ CORNER SECTION 24 NORTH 258,979.11' EAST 13,314,815.61'

LEGAL DESCRIPTION

LEGAL DESCRIPTION OF A 46.60 ACRE PARCEL OF LAND LOCATED IN THE NE 1/4 OF SECTION 24, T35, R6E, PITTSFIELD TOWNSHIP, WASHTENAW COUNTY, MICHIGAN

Beginning at the Center of Section 24, T3S, R6E, Pittsfield Township, Washtenaw County, Michigan; thence Northerly 313.98 feet along the North and South 1/4 line of said Section 24 and the centerline of Crane Road; thence Easterly deflecting 91°42' to the right 102.0 feet; thence Northerly deflecting 91°42' to the left 18.0 feet; thence Easterly deflecting 91°42' to the right 198.0 feet; thence Northerly deflecting 91°42' to the left 488.15 feet parallel with the North and South 1/4 line of said Section 24; thence Easterly deflecting 91°34' to the right 2359.80 feet along the North line of the South 50 acres of the Northeast 1/4 of said Section 24 and parallel with the East and West 1/4 line of said Section 24; thence Southerly deflecting 88°35'30" to the right 819.46 feet along the East line of said Section 24 and the centerline of Munger Road; thence Westerly deflecting 91°24'30" to the right 2657.53 feet along the East and West 1/4 line of said Section 24 to the Point of Beginning, being part of the Northeast 1/4 of said Section 24, T3S, R6E, Washtenaw County, Michigan.

Being more particularly described as (Survey):

thence N 00°22'43" W 313.98 feet along the N-S 1/4 line of said Section 24 and the centerline of Crane Road (66 feet wide);

thence S 88°49'10" E 102.00 feet; thence N 00°22'43" W 18.00 feet;

thence N 00°22'43" W 487.52 feet;

Subdivision No. 3 as recorded in Liber 32 of Plats, Pages 91-98, Subdivision No. 4 as recorded in Liber 34 of Plats, Pages 76-80,

thence S 00°13'52" E 819.37 feet along the East line of said Section 24 and the centerline of Munger Road (66 feet wide) to the E 1/4 Corner

thence N 88°49'10" W 2657.77 feet along the E-W 1/4 line of said T3S, R6E, Pittsfield Township, Washtenaw County, Michigan, and containing 46.60 acres of land, more or less. Being subject to the the Easterly 33.00 feet of Crane Road and being subject to other

Together with an easement for water line and underground electric cable over the following described property: Commencing at the Center of Section 24, 331.98 feet along the N-S 1/4 line of said Section 24 and the centerline of Crane Road; thence Easterly deflecting 91°42' to the right 142.0 feet for a Point of Beginning; thence Northerly deflection 91°42' to the left 10.0 feet; thence Easterly deflecting 91°42' to the right 158.0 feet; thence Southerly deflecting 88°18' to the right 10.0 feet parallel with the N-S 1/4 line of said Section 24; thence Westerly deflecting 91°42' to the right 158.0 feet to the Point of Beginning, being a part of the NE 1/4 of said Section24, T35, R6E,

Being subject to:

Conservation Easement, as recorded in Liber 4637, Page 274, Washtenaw

Rights of the public or any governmental unit in any part of subject property taken, deeded, or used for street, road, or highway purposes. Easement in favor of The Detroit Edison Company, as recorded in Liber 598, Page 169, Washtenaw County Records.

Grant in favor of The Detroit Edison Company, as recorded in Liber 1 of Grants, Page 298, Washtenaw County Records.

Subject to underground drain as recorded in Liber 1567, Page 12, Washtenaw County Records.(for benefit of home at 5281 Crane Road)

Terms, conditions, and provisions regarding land division and farming rights contained in the instrument recorded in Liber 4637, Page 275, Washtenaw County Records.

1.) BEARINGS ARE BASED ON ASHFORD VILLAGE NO. 5 SUBDIVISION AS RECORDED IN LIBER 31 OF PLATS, PGS. 1-6, WASHTENAW COUNTY RECORDS.

2.) LEGAL DESCRIPTION TAKEN FROM ABSOLUTE TITLE COMPANY FILE NO. 62635, DATED JANUARY 5, 2009.

Beginning at the Center of Section 24, T3S, R6E, Pittsfield Township, Washtenaw County, Michigan;

thence S 88°49'10" E 198.08 feet;

thence S 88°49'04" E 2359.80 feet along the South line of Hickory Pointe Washtenaw County Records and along the South line of Hickory Pointe Washtenaw County Records;

of said Section 24; Section 24 and the North line of Ashford Village No. 5 Subdivision as recorded in Liber 31 of Plats, Pages 1-8, Washtenaw County Records to the POINT OF BEGINNING. Being a part of the NE 1/4 of Section 24, rights of the public over the Westerly 33.00 feet of Munger Road and easements and restrictions of record, if any.

T3S, R6E, Pittsfield Township, Washtenaw County, Michigan; thence Northerly Pittsfield Township, Washtenaw County, Michigan.

NOTES:

SHEET INDEX

Sheet #	Sheet Name		
į	Cover Sheet	S-27	Standard Soil Erosion Control Notes & Details
S-01	Overall Existing Conditions Plan	S-28	Standard Earthwork Specifications
S-02	Overall Site Plan	S-29	Standard Storm Sewer Details & Specifications
S-03	Existing Conditions and Demolition Plan - West	S-30	Standard Sanitary Sewer Details
S-04	Existing Conditions and Demolition Plan - East	S-31	Standard Sanitary Sewer Specifications
S-05	Existing Tree Inventory	S-32	Standard Water Main Details
5-06	Layout & Materials Plan - West	S-33	Standard Water Main Specifications
5-07	Layout & Materials Plan - East		
S-08	SESC Plan - West	A-1.0	Restroom Building Floor Plans & Schedules
5-09	SESC Plan - East	A-2.0	Restroom Building Foundation Plan
S-10	Grading & Utilities Plan - West		Restroom Building Reflected Ceiling Plan
S-11	Grading & Utilities Plan - East		Restroom Building Roof Framing Plan
S-12	Road and Path Plan & Profiles		Restroom Building Roof Plan
S-13	Path Plan & Profile	A-3.0	Restroom Building Exterior Elevations & Building Section
S-14	Stormwater Management Plan	A-4.0	Restroom Building Wall Sections & Details
S-15	Pond Cross-Sections	A-5.0	Restroom Building Interior Elevations & Details
S-16	Storm Sewer Plan & Profile		
S-16a	Sanitary & Water Plan & Profiles	M-0.1	Mechanical Sheet Index, Abbreviation List, and Symbol List
S-17	Storm System Calculations	M-1.1	Underground Plumbing Floor Plan and Plumbing Floor Plan
S-18	Landscape Plan - West	M-2.1	Mechanical HVAC Floor Plan
S-19	Landscape Plan - East	M-3.1	Mechanical Details and Schedules
S-20	Right-of-Way Enlargement		
5-21	Right-of-Way Details	E-1.0	Symbol List, Lighting Fixture Schedule and One Line Diagram
S-22	Site Details	E-1.1	Electrical Site Plan
S-23	Site Details	E-2.1	Electrical Plans
5-24	Planting Notes & Details	E-3.1	Electrical Details and Diagrams
S-25	Parking & Restroom Building Enlargements		
S-26	Fire Protection Plan		

Seal

Landscape Architect / Engineer

B R (i) Beckett&Raeder

> Beckett & Raeder, Inc. Ann Arbor, MI 48103 734 663.2622 ph 734 663.6759 fx

Architect



Mechanical / Electrical Engineer



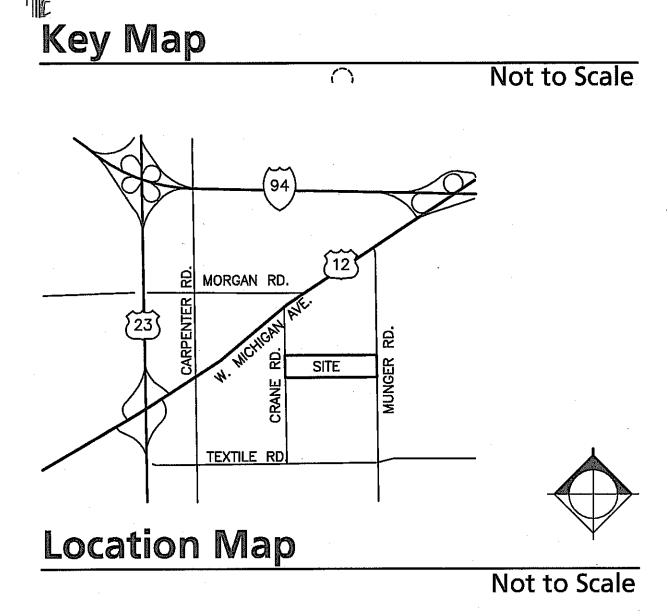
BERBIGLIA ASSOCIATES INC. CONSULTING ENGINEERS

36400 West 12 Mile Road Farmington Hills, Michigan 48331 (248) 489-3100 FAX (248) 489-3161

Structural Engineer

Structural Design Inc. 275 E. Liberty Ann Arbor, MI 48104

734-213-6091



·	LIGHTING FIXTURE SCHEDULE	·
TYPE	DESCRIPTION	

- "OA" RECESSED LED DOWNLIGHT. 6-3/8" DIAMETER APERATURE. 0,050" ALUMINUM HOUSING WITH EXTRUDED ALUMINUM HEAT SINK. SPUN ALUMINUM REFLECTOR WITH HIGH EFFICIENCY WHITE COATING. DIE-CAST ALUMINUM FLAT WHITE TRIM WITH ANTIMICROBIAL FINISH) AND TAMPER RESISTANT FASTENERS. HIGH EFFECIENCY SYMMETRIC DIFFUSING INNER LENS WITH 0.250" THICK POLYCARBONATE OUTER LENS. REPLACEABLE 30 WATT, 4000K WHITE LED ARRAY. FUSED, 120-277V HIGH POWER FACTOR ELECTRONIC DRIVER. ADJUSTABLE MOUNTING BRACKETS FOR USE WITH CONDUIT OR C-CHANNEL. 3 YEAR LED WARRANY. IP65 RATED. KENALL: MILLENIUM DOWNLIGHT; HADL6VL2 SERIES. OR APPROVED EQUAL.
- "OB" NOMINAL 7-1/8"H x 16-3/8"W x 9-5/16"D WALLPACK WITH 110W LED LUMEN PACKAGE. DIE-CAST ALUMINUM HOUSING WITH DARK BRONZE TEXTURED FINISH. SEALED HOUSING WITH FLOW THROUGH DESIGN. 50,000 HOUR L70 LED LIFE. PRECISION MOLDED LENS ASSEMBLY WITH IES TYPE III DISTRIBUTION. FUSED, HIGH POWER FACTOR, 120 VOLT DRIVER. VANDAL GUARD. IP65 RATED. LITHONIA: ALXW-LED SERIES. OR APPROVED EQUAL.
- "FA" WALL MOUNTED FIXTURE WITH (3) 32 WATT F-32/T8/3500K/RS ENERGY SAVING LAMPS.
 NOMINAL 48" x 12" x 3.8" DIMENSIONS. EXTRUDED ALUMINUM BODY WITH FLAT DIE-CAST
 ENDCAPS. 92% REFLECTIVITY REFLECTOR. MATTE WHITE FINISH. UV STABILIZED, 0.156" THICK,
 PEARLESCENT POLYCARBONATE LENS. FUSED, 120 VOLT, PROGRAMMED RAPID START
 ELECTRONIC BALLAST. TAMPER RESISTANT HARDWARE. INTEGRAL SUPER HIGH FREQUENCY
 OCCUPANCY SENSOR LOCATED BEHIND THE LENS (20 FOOT RADIUS). KENALL: MILLENIUM
 STRETCH SERIES; MLHA1248MS. OR APPROVED EQUAL.
- "FB" 2-32 WATT F-32/T8/3500K/RS ENERGY SAVING LAMPS IN A 4'-0" LONG HEAVY-DUTY TURRET INDUSTRIAL CHAIN HUNG LUMINAIRE, DIE-FORMED CODE-GAUGE STEEL HOUSING AND REFLECTOR, BAKED WHITE ENAMEL FINISH, 10 PERCENT UPLIGHT APERTURED REFLECTOR, PRESSURE-LOCK LAMPHOLDERS. RAPID START ELECTRONIC BALLAST, 120 VOLT. LITHONIA AF10 OR APPROVED EQUAL BY METALUX OR DAYBRITE OR APPROVED EQUAL.

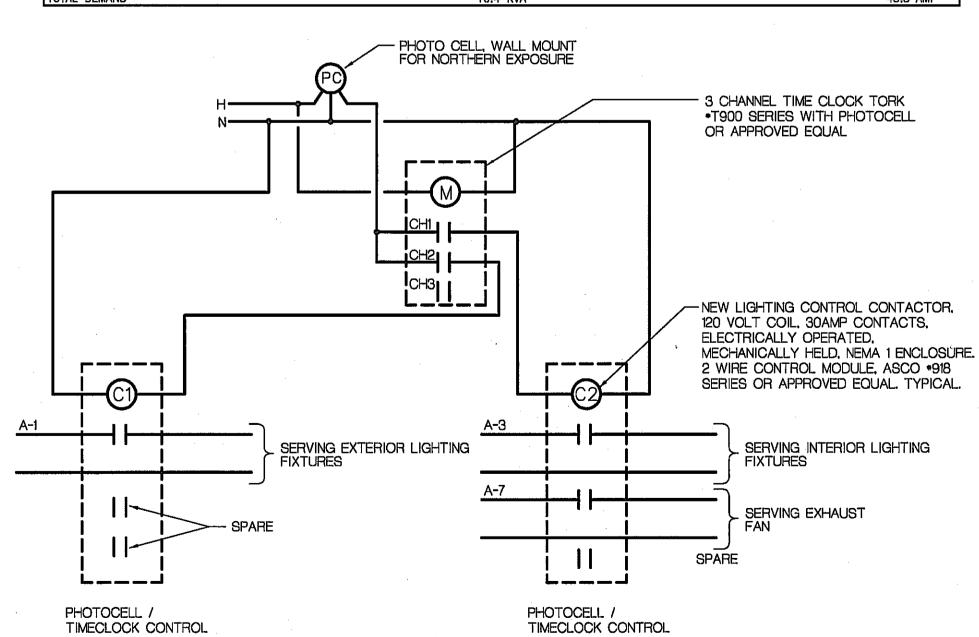
	ELECTRICAL SHEET INDEX	·
SHEET	DESCRIPTION	:
E1.0	SYMBOL LIST, LIGHTING FIXTURE SCHEDULE AND RISER DIAGRAM	
E1.1	ELECTRICAL SITE PLAN	
E2.1	ELECTRICAL PLANS	
E3.1	ELECTRICAL DETAILS AND DIAGRAMS	,

å	
SYMBOL	DESCRIPTION
S	SINGLE POLE SWITCH
SM	SWITCH MOUNTED OCCUPANCY SENSOR
S F:-	FAN SPEED CONTROLLER
SK	KEY OPERATED SWITCH
\Q	CEILING MOUNTED OCCUPANCY SENSOR
©	PHOTOCELL
G	CONTACTOR
TC	TIMECLOCK
4	DUPLEX RECEPTACLE
-₩-	DUPLEX RECEPTACLE MOUNTED 6" ABOVE COUNTERTOP
8	DOUBLE DUPLEX RECEPTACLE
4	NEW PANELBOARD
M	UTILITY METER
ㅁ	DISCONNECT SWITCH
Zr Zr	FUSED DISCONNECT SWITCH
Д Р	MANUAL MOTOR STARTER (P-PILOT LIGHT)
AFF	ABOVE FINISHED FLOOR
GFI	GROUND FAULT INTERRUPTER
мсв	MAIN CIRCUIT BREAKER
MLO	MAIN LUGS ONLY
NIC	NOT IN CONTRACT

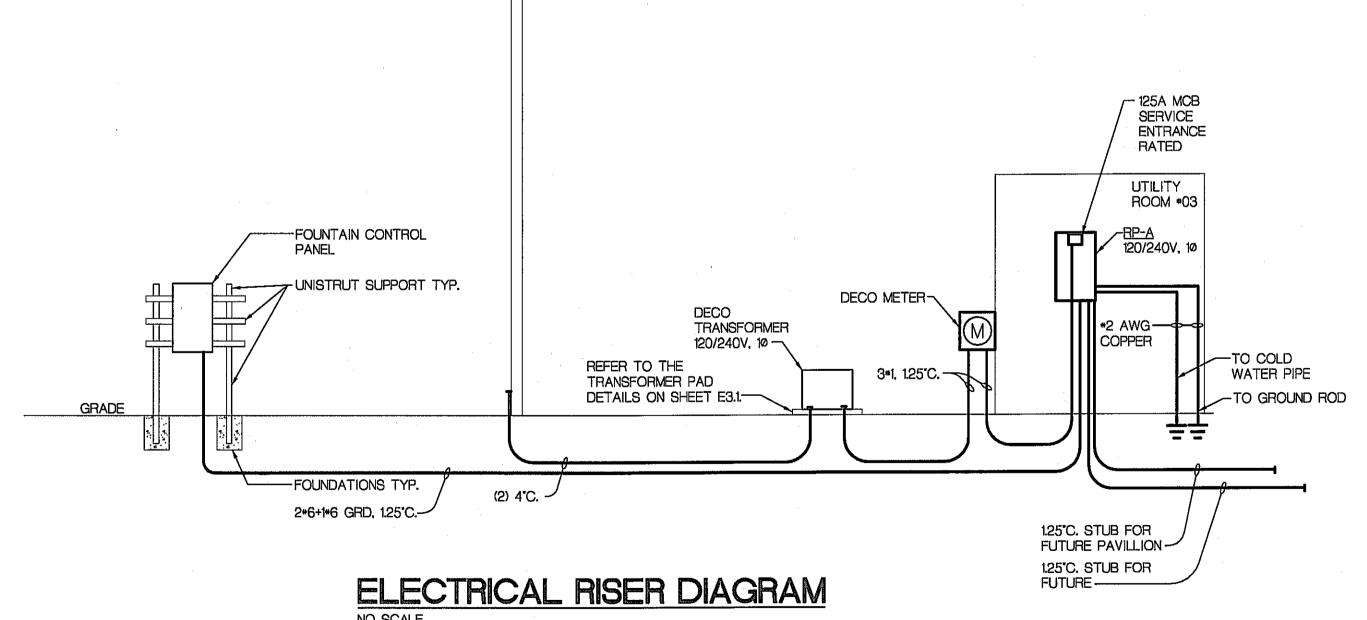
ELECTRICAL SYMBOL LIST

				٠.٠٠		•					
					RP-	-A					
MAIN -	- 129	5A MCB 10K AIC MINIMUM	VOL	TAGE -	120/2 MTG. –			LOCATION - UTILITY ROOM #03			,
	BKR	1	REC.	LTG	MISC.	CIR.	BKR		REC	LTG	MISC
NO.			VA	VA	VA	NO.			VA	VA	VA
1	20	EXTERIOR LIGHTING		120	,	2	20	MEN'S HAND DRYER			150
3	20	INTERIOR LIGHTING		520		4	20	WOMEN'S HAND DRYER			150
5	20	2 RECEPT MEN'S / WOMEN'S	400			6	20	SPARE			
7	20	TOILET EXHAUST FAN			720	8	20	2 RECEPT	400		
9	20	SPARE				10	20	2 RECEPT	400		
11	20	SPARE				12	20	2 RECEPT	400		
13	20	SPARE				14	20	2 EXTERIOR RECEPT	400		
15	20	SPARE				16	15	EWH			200
17	20	SPARE				18	2P				
19	20	SPARE				20	20	SPARE			
21	20	SPARE				22	20	SPARE			
23	20	SPARE				24	20	SPARE			
25	20	SPARE				26	20	SPARE			
27	15	FOUNTAIN PUMP (1 HP)			1920	28	20	SPARE			
29	2P			<u> </u>		30	20	SPARE		<u></u>	
TOTAL	RECEP	TACLES			2.0	KVA			,	8.3	S AMP
TOTAL	LIGHTI	NG			0.6	KVA				2.7	AMP
TOTAL	MISCE	LLANEOUS			7.6	KVA				31.8	3 AMP
TOTAL	DEMAN	ID .			10.4	KVA				43.5	AMP

HICKORY WOODS



LIGHTING AND FAN CONTROL
WIRING DIAGRAM
NO SCALE



-EXISTING DECO POLE

GENERAL NOTES:

- INSTALLATION SHALL BE IN ACCORDANCE WITH DECO STANDARDS.
- 2. COORDINATE REQUIREMENTS WITH DECO SERVICE PLANNER, PRIOR TO INSTALLATION

B R (i)
Beckett&Raeder

Landscape Architecture
Planning & Engineering

Beckett & Raeder, Inc. 535 West William, Suite 101 Ann Arbor, MI 48103

734 663.2622 ph

734 663.6759 fx

Consultants



Project Title

Pittsfield Township Parks Parks Commission

HICKORY WOODS PARK PHASE 1b IMPROVEMENTS

Pittsfield Township, MI

Sheet Title

SYMBOL LIST, LIGHTING

FIXTURE SCHEDULE AND

RISER DIAGRAM

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Approved: JC

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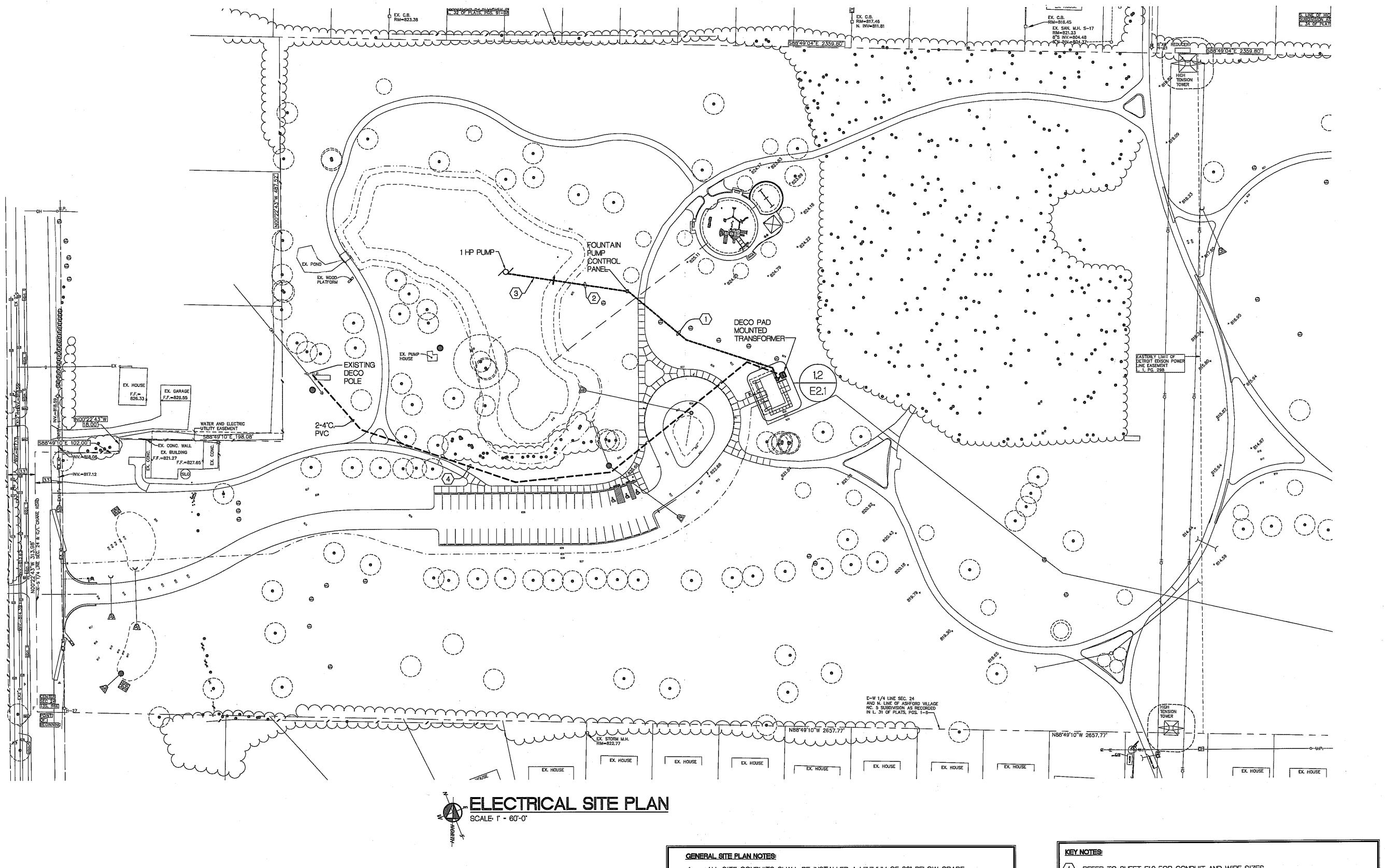
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BERBIGLIA ASSOCIATES INC.

CONSULTING ENGINEERS

38400 West 12 Mile Road
Farmington Hills, Michigan 48331
(248) 489-3100 • FAX (248) 489-3161
BAI# 10-852B



- 1. ALL SITE CONDUITS SHALL BE INSTALLED A MINIMUM OF 30' BELOW GRADE.
- 2. ALL SITE CONDUITS SHALL BE P.V.C. EXCEPT AS OTHERWISE SPECIFIED.
- 3. INSTALL A WARNING TAPE ABOVE ALL SITE CONDUITS, LOCATE 12" BELOW GRADE, SEE SPECIFICATIONS FOR REQUIREMENTS.
- 4. COORDINATE EXACT TERMINATION LOCATION OF ELECTRIC SERVICE CONDUITS WITH THE UTILITY COMPANY PRIOR TO INSTALLATION.
- 1) REFER TO SHEET E1.0 FOR CONDUIT AND WIRE SIZES.
- PROVIDE 125'C. FROM FOUNTAIN PUMP CONTROL PANEL TO A LOCATION 5' WITHIN
- (3) MAKE FINAL CONNECTIONS TO PUMP UTILIZING PUMP WIRING PROVIDED WITH PUMP.
- 4 PROVIDE HANDHOLES AS REQUIRED.

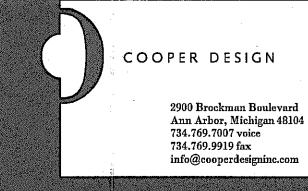
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Beckett&Raeder

Landscape Architecture
Planning & Engineering

Beckett & Raeder, Inc. 535 West William, Sulte 101 Ann Arbor, MI 48103 734 663.2622 ph

734 663.6759 fx

Consultan



Project Title

Pittsfield Township Parks Parks Commission

HICKORY WOODS PARK
PHASE 1b IMPROVEMENTS

Pittsfield Township, MI

LIGHTING AND POWER
AND SYSTEMS FLOOR
PLAN

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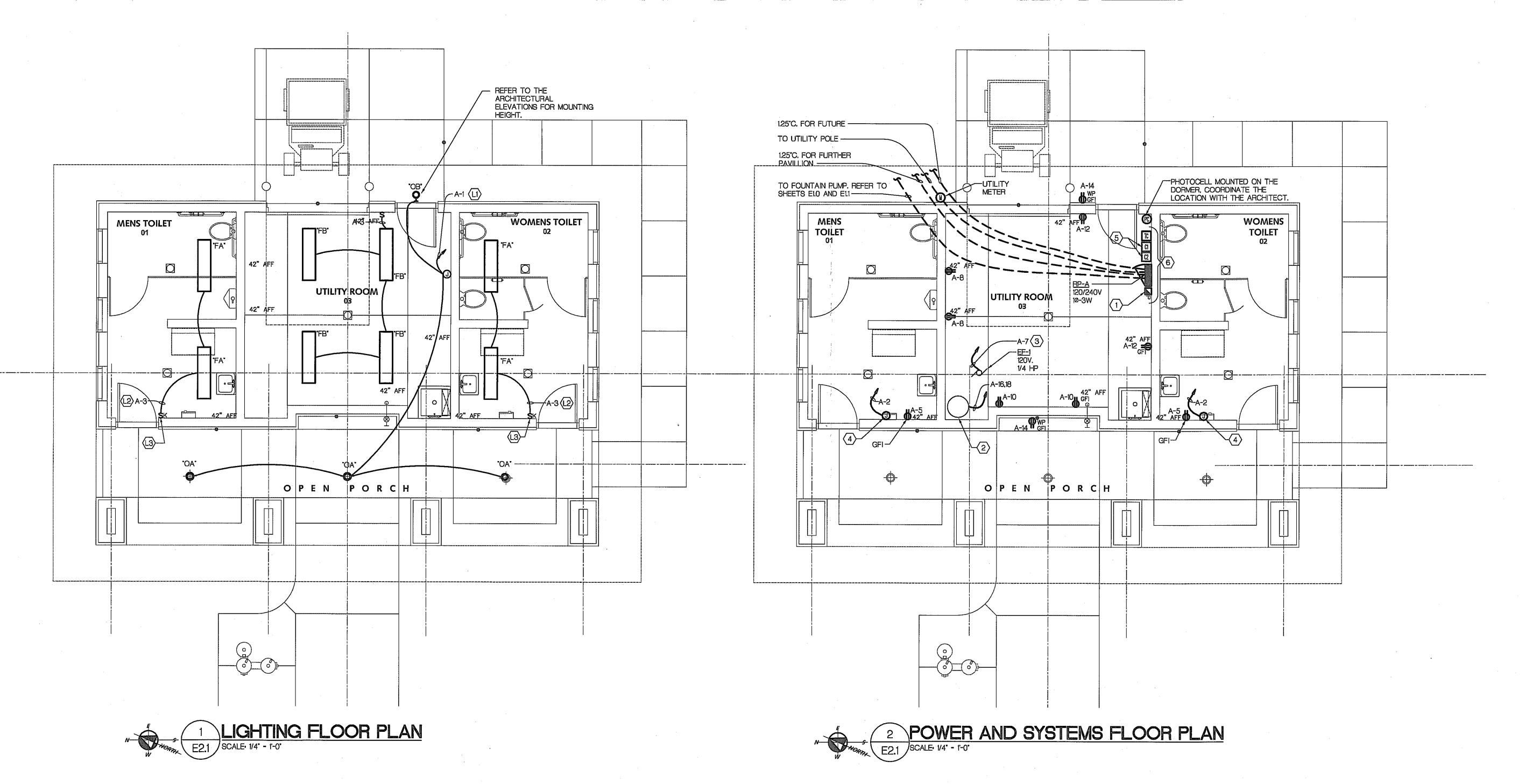
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BERBIGLIA ASSOCIATES INC.

CONSULTING ENGINEERS

36400 West 12 Mile Road
Farmington Hills, Michigan 48331
(248) 489-3100 • FAX (248) 489-3161
BAI# 10-6528



LIGHTING KEY NOTES:

- (LI) SERVE VIA LIGHTING CONTACTOR, REFER TO THE WIRING DIAGRAM ON SHEET E1.0.
- SERVE VIA THE LIGHTING CONTACTOR AND AND VIA FIXTURE OCCUPANCY SENSOR.
- KEY OPERATED SWITCH, COOPER *AHII8IN OR APPROVED EQUAL WITH STAINLESS STEEL COVERPLATE.

GENERAL NOTES:

- REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF LIGHT FIXTURES.
- 2. ALL JUNCTION BOXES SERVING BRANCH CIRCUIT WIRING SHALL BE LABELED WITH CIRCUITS SERVED. USE P-TOUCH STYLE LABELS ON BOX COVER.
- 3. WHERE MORE THAN ONE LIGHT SWITCH IS INDICATED TO BE INSTALLED AT THE SAME LOCATION, THEY SHALL BE GROUPED UNDER A COMMON COVERPLATE, ALL SWITCHES SHALL BE MOUNTED AT 48'AFF UNLESS OTHERWISE NOTED.
- 4. ALL CONDUIT AND WIRING SERVING EXTERIOR LIGHTING SHALL BE CONCEALED WITHIN BUILDING CONSTRUCTION.
- 5. REFER TO ARCHITECTURAL FLOOR PLANS AND ELEVATIONS FOR EXACT LOCATION OF DEVICES.
- 6. ALL WALL MOUNTED DEVICES (RECEPTACLES AND LOW VOLTAGE OUTLETS.
- ETC.) SHALL BE MOUNTED AT 18 AFF UNLESS OTHERWISE INDICATED.
- 7. ALL RECEPTACLES WITHIN 6"-0" OF A SINK (OR OTHER WATER SUPPLY)
 SHALL BE GFI TYPE RECEPTACLES.
- 8. ALL CONDUITS SERVING WIRING 120 VOLTS OR GREATER SHALL INCLUDE A GROUND WIRE.

POWER AND SYSTEM KEY NOTES:

- (1) MANUAL MOTOR STARTER FOR EF-1.
- (2) ELECTRIC WATER HEATER, 3KW, 240V, 10.
- SERVE VIA LIGHTING CONTROL CONTACTOR AND MANUAL MOTOR STARTER IN UTILITY ROOM 03.
- HAND DRYER, COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL TRADES AND THE MANUFACTURERS INSTALLATION.
- (5) LIGHTING CONTROL CONTACTORS, REFER TO THE DETAIL ON SHEET E1.0.
- (5) LIGHTING CONTROL CONTACTORS, REFER TO THE DETAIL ON SHEET ETO.
- 6 COORDINATE THE ELECTRICAL EQUIPMENT INSTALLATION WITH THE MECHANICAL TRADES TO AVOID PLUMBING RUNNING ABOVE THE ELECTRICAL PANEL AND EQUIPMENT.

B R (i)
Beckett&Raeder

Landscape Architecture
Planning & Engineering

Beckett & Raeder, Inc. 535 West William, Suite 101 Ann Arbor, MI 48103 734 663.2622 ph 734 663.6759 fx

Consultants	and the second of the second o
	COOPER DESIGN
	2900 Brockman Boulevard Ann Arbor, Michigan 48104 734.769.7007 voice
	734.769.9919 fax

Project Title

Pittsfield Township Parks Parks Commission

HICKORY WOODS PARK
PHASE 1b IMPROVEMENTS
Pittsfield Township, MI

LIGHTING AND POWER AND SYSTEMS FLOOR

PLAN	
Dates	
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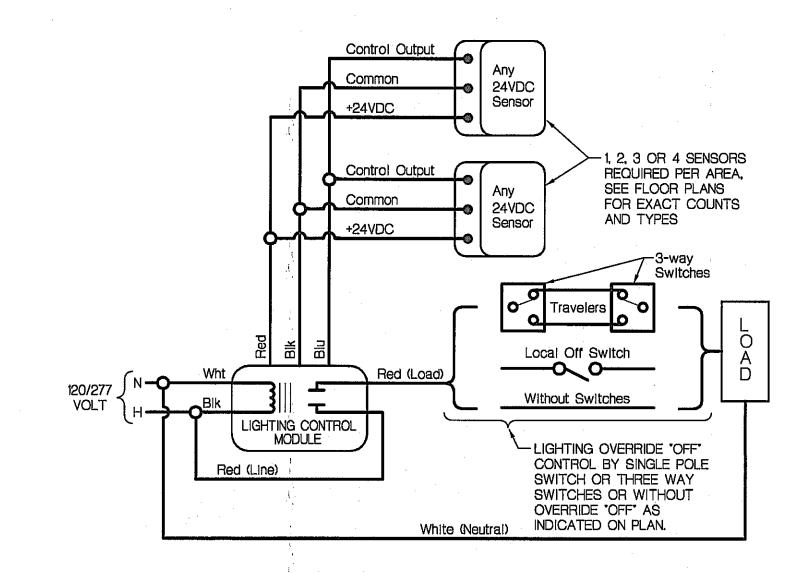
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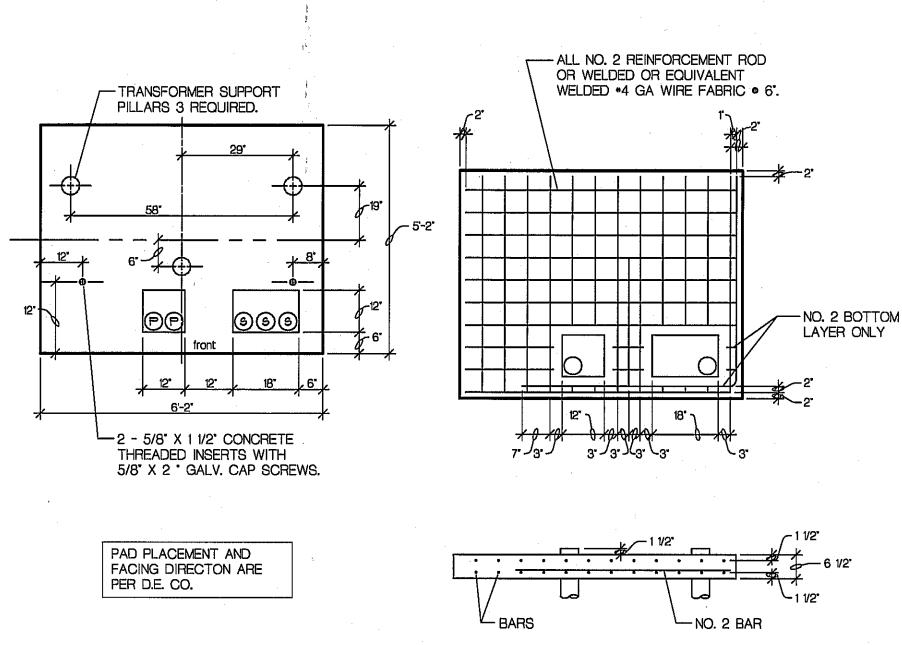




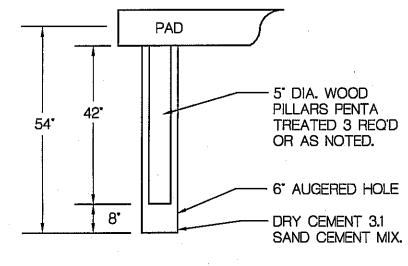
OCCUPANCY SENSOR GENERAL NOTES:

- 1. ALL AUTOMATIC LIGHTING CONTROL DEVICES SHALL BE INSTALLED AND WIRED IN ACCORDANCE WITH MANUFACTURERS DIAGRAMS AND INSTRUCTIONS.
- 2. POWER PACKS TO BE LOCATED OVERHEAD ABOVE A LIGHT SWITCH CONTROLLING ROOM OR AREA LIGHTING. WHERE LIGHTING DOES NOT HAVE A LOCAL SWITCH LOCATE POWER SUPPLIE(S) ABOVE THE CEILING NEAR AN OCCUPANCY SENSOR.

LIGHTING CONTROL DIAGRAM NO SCALE



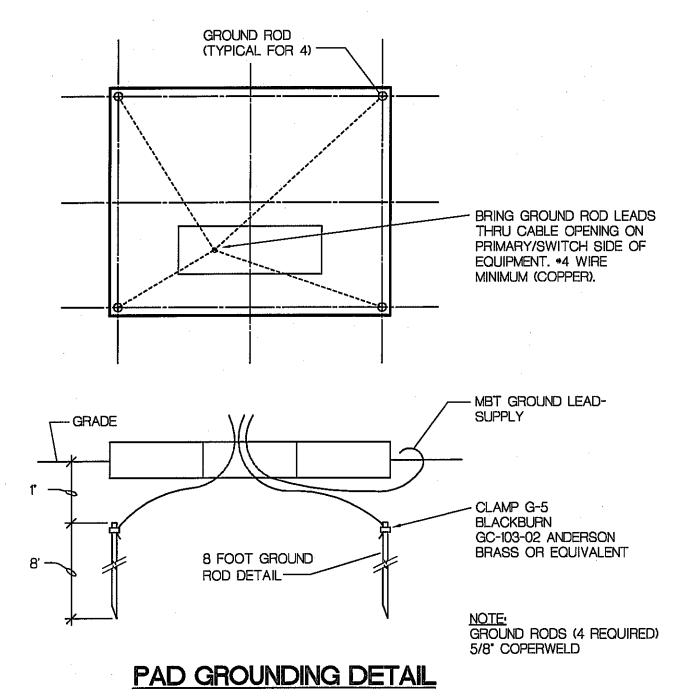
PAD REINFORCEMENT DETAIL



SUPPORT POST DETAIL

ALTERNATE SUPPORTS NOTE

- 1. 6" DIA. CONDUIT 42" LONG CONCRETE FILLED.
- 2. 6' DIA. AUGERED HOLE 42' DEEP FILLED WITH CONCRETE.
- 3. EQUIVALENT PRE-CAST CONCRETE POST 42" LONG.



SERVICE TRANSFORMER PAD DETAILS NO SCALE

GENERAL NOTES

- 1. SEE SIM-ESIG PAGES 3, 6, 9, AND 3, 6, 10 FOR PAD AND GROUND ROD INSTALLATION DETAILS AND 3, 7, 11 FOR MINIMUM CLEARANCES TO OBSTRUCTIONS.
- 2. PRIMARY CONDUIT MUST BE POSITIONED AT THE FRONT OF THE PRIMARY WINDOW AS SHOWN.
- 3. NUMBER OF CONDUIT IS TO BE APPROVED BY THE SERVICE PLANNER.
- 4. IF CONDUCTORS ARE NOT PULLED IN ALL SECONDARY SERVICE CONDUITS, THE UNUSED CONDUIT SHOULD BE AT THE FRONT POSITION.
- 5. SWEEPS MUST BE 4" RIGID CONDUIT OR INTERMEDIATE METALIC CONDUIT WITH A MINIMUM 36" RADIUS BEND.
- 6. CONCENTRATION 6 BAGS OF CEMENT PER YARD.
- 7. MAINTAIN CONCRETE COVER CLEARANCES BETWEEN REINFORCEMENT RODS AND SURFACES AS SHOWN.
- 8. TRANSFORMER AND PAD SELECTION ON SECONDARY METERED INSTALLATIONS WILL BE DETERMINED BY THE DETROIT EDISON SERVICE PLANNER.





Beckett & Raeder, Inc. 535 West William, Suite 101 Ann Arbor, MI 48103

> 734 663.2622 ph 734 663.6759 fx

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2900 Brockman Boulevard Ann Arbor, Michigan 48104 734.769.7007 voice 734.769.9919 fax info@cooperdesigninc.com

Project Title

Pittsfield Township Parks Parks Commission

HICKORY WOODS PARK PHASE 1b IMPROVEMENTS

Pittsfield Township, MI

ELECTRICAL

DETAILS AND DIAGRAMS

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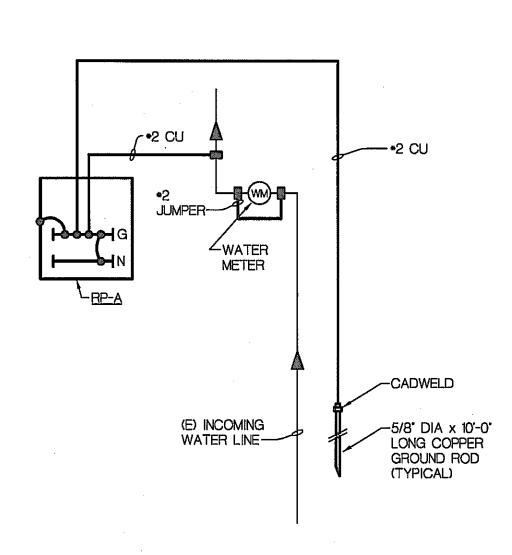
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Project Number

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TYPICAL BUILDING

GROUNDING RISER DIAGRAM

NO SCALE