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, T3S, 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



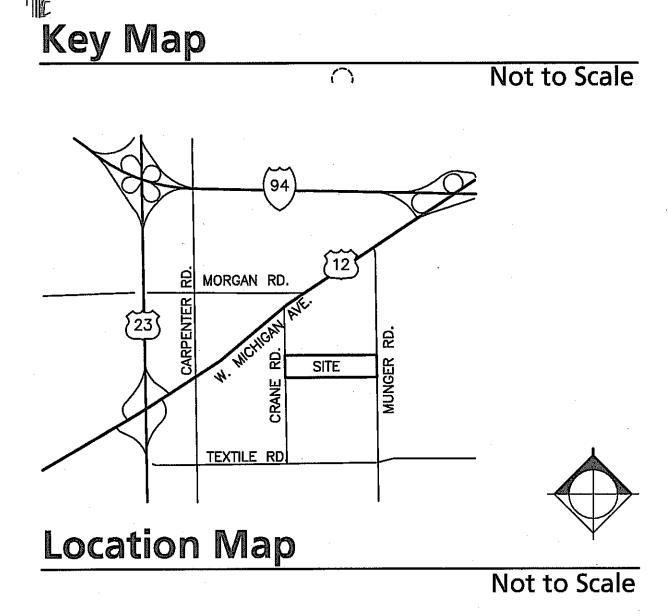
BERBIGLIA ASSOCIATES INC. CONSULTING ENGINEERS

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



	ANICAL ABBREVIATION LIST					
ABBREVIATION	DESCRIPTION					
NG	NATURAL GAS					
DCW	DOMESTIC COLD WATER					
DHW	DOMESTIC HOT WATER					
DHWR	DOMESTIC HOT WATER RETURN					
SAN	SANITARY DRAINAGE					
٧	PLUMBING VENT					
ST	STORM					
OST	OVERFLOW STORM					
HHWS	HEATING HOT WATER SUPPLY					
HHWR	HHWR HEATING HOT WATER RETURN					
CHWS CHILLED WATER SUPPLY						
CHWR	CHILLED WATER RETURN					
STM	STEAM					
COND	CONDENSATE					
OXY	OXY MEDICAL OXYGEN					
MA	MEDICAL COMPRESSED AIR					
VAC	VACUUM					
CA	COMPRESSED AIR					
FP	FIRE PROTECTION					
NG	NATURAL GAS					
SA	SUPPLY AIR					
RA	RETURN AIR					
EA	EXHAUST AIR					
OA	OUTSIDE AIR					
EX	EXISTING					

	MECHANICAL SYMBOL LIST									
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION					
VAV-XX MAX/MIN	AIR TERMINAL UNIT WITH HEATING COIL VAV-XX WHERE XX IS THE TERMINAL UNIT INLET SIZE MAX/MIN AIRFLOW SETTING IN CFM		UL APPROVED SMOKE DAMPER FOR HORIZONTAL INSTALLATION	\blacksquare	2 POSITION 2-WAY CONTROL VALVE					
VAV-XX MAX/MIN	AIR TERMINAL UNIT WITHOUT HEATING COIL VAV-XX WHERE XX IS THE TERMINAL UNIT INLET SIZE MAX/MIN AIRFLOW SETTING CFM		UL APPROVED FIRE/SMOKE DAMPER FOR HORIZONTAL INSTALLATION	9	PRESSURE GAUGE					
ax XX	SUPPLY AIR DIFFUSER SX WHERE X IS THE DESGINATION, REFER TO SCHEDULE, AND YYY IS THE AIRFLOW IN CFM. CONNECTION AND FLEX DUCT SIZE TO MATCH DUCT RUNOUT SIZE.	RHC-X	REHEAT COIL/DUCT MOUNTED COIL RHC-X WHERE X IS THE DESGINATION, REFER TO SCHEDULE	Ţ	THERMOMETER					
RX YYY	RETURN AIR GRILL RX WHERE X IS THE DESGINATION, REFER TO SCHEDULE, AND YYY IS THE AIRFLOW IN CFM, IF INDICATED ON PLANS. CONNECTION AND FLEX DUCT SIZE TO MATCH DUCT RUNOUT SIZE, IF INDICATED ON PLANS.	ST-X	SOUND TRAP ST-X WHERE X IS THE DESGINATION, REFER TO SCHEDULE	Ŧ	STEAM TRAP					
EX	EXHAUST AIR GRILL EX WHERE X IS THE DESGINATION, REFER TO SCHEDULE, AND YYY IS THE AIRFLOW IN CFM. CONNECTION AND FLEX DUCT SIZE TO MATCH DUCT RUNOUT SIZE.	SS	EXISTING PIPE OR DUCT TO BE REMOVED	5	PIPE ANCHOR					
XX YYY AXB	DIFFUSER/GRILL MOUNTED TO SIDE OF DUCT XX WHERE X IS THE DESGINATION, REFER TO SCHEDULE, YYY IS THE AIRFLOW IN CFM, AND SIZE AXB	ф	SHUT OFF VALVE	\	PIPE GUIDE					
AXB	RECTANGULAR DUCT WITH DIMENSIONS A (SHOWN) X B (NOT SHOWN) IN INCHES	12	CHECK VALVE	FD-X	FLOOR DRAIN WHERE X IS THE DESGINATION, REFER TO SCHEDULE/SPECIFICATIONS					
AØ	ROUND DUCT WITH DIMENSION A IN INCHES	₫	AUTOMATIC FLOW CONTROL VALVE	5	CLEAN OUT					
<u> </u>	EXISTING DUCT TO BE REMOVED	₿	CALIBRATED BALANCING VALVE	} —⊗	AUTOMATICE FIRE PROTECTION SPRINKLER RISER					
+ AD	DUCT MOUNTED ACCESS PANEL/DOOR		REDUCED PRESSURE ZONE BACK FLOW PREVENTER	5	FIRE PROTECTION SPRINKLER UPRIGHT HEAD					
	VOLUME DAMPER	萃	PRESSURE RELIEF VALVE	5	FIRE PROTECTION SPRINKLER PENDENT HEAD					
	UL APPROVED FIRE DAMPER FOR VERTICAL INSTALLATION	P	STRAINER	5	TEMPERATURE CONTROL WIRING USED TO DESIGNATE THERMOSTAT ZONING					
	UL APPROVED SMOKE DAMPER FOR VERTICAL INSTALLATION	Q	PRESSURE REDUCING VALVE	Û	THERMOSTAT					
	UL APPROVED FIRE/SMOKE DAMPER FOR VERTICAL INSTALLATION	₩	MODULATING 3-WAY CONTROL VALVE	₩	CONNECTION TO EXISTING SYSTEMS					
	UL APPROVED FIRE DAMPER FOR HORIZONTAL INSTALLATION	X	MODULATING 2-WAY CONTROL VALVE							

GENERAL NOTES:

- PROVIDE ACCESS TO ALL CONCEALED EQUIPMENT. COORDINATE LOCATION OF ACCESS PANELS WITH
- 2. SIZES INDICATED FOR ALL DUCTWORK ARE FREE AREA DIMENSIONS.
- 3. FLEXIBLE DUCTWORK SHALL NOT EXCEED FIVE (5) FEET IN LENGTH. FLEXIBLE DUCT SHALL NOT REST ON LIGHTING FIXTURES. WHERE FLEXIBLE DUCTS ARE USED, SUPPORT, SUSPEND FROM STRUCTURE OVERHEAD.
- 4. PROVIDE RECTANGULAR TO ROUND DUCT TRANSITIONS AS REQUIRED.
- 5. ALL AFFECTED HVAC SYSTEMS SHALL BE BALANCED IN AN INDEPENDENT TEST AND BALANCE COMPANY PER NEBB STANDARDS AND CONSTRUCTION DOCUMENTS. THREE (3) CERTIFIED COPIED OF TEST AND BALANCE REPORT SHALL BE PROVIDED TO ARCHITECT PRIOR TO JOB CLOSE OUT.
- 6. MECHANICAL CONTRACTOR TO COORDINATE DIFFUSER LOCATIONS WITH LIGHTS AND REFLECTED CEILING PLAN BEFORE INSTALLATION. REFER TO ARCHITECTURAL DRAWINGS FOR DETAILS.
- 7. EACH TRADE SHALL COORDINATE THE ROUTING AND INSTALLATION OF HIS WORK WITH THAT OF ALL OTHER TRADES THROUGH THE GENERAL CONTRACTOR. IN ANY INSTANCES OF CONFLICT, SYSTEMS REQUIRING "GRADE" OR "SLOPE" FOR DRAINAGE (SANITARY SEWER, SANITARY VENT, EQUIPMENT DRAINS, ETC.) SHALL HAVE PRIORITY.
- 8. PENETRATIONS OF WALLS OR FLOORS FOR THE PASSAGE OF PIPING, DUCTWORK, OR OTHER EQUIPMENT SHALL BE PROPERLY SEALED AFTER INSTALLATION OF EQUIPMENT. FIELD VERIFY EXISTING WALL PENETRATIONS AND PROPERLY SEAL AS REQUIRED TO MAINTAIN WALL OR FLOOR RATING.
- 9. VERIFY THE ACTUAL LOCATION OF STRUCTURAL MEMBERS AND COORDINATE INSTALLATION OF THE WORK ACCORDINGLY. THE CONTRACTOR SHALL ALSO COORDINATE WITH ALL OTHER TRADES TO AVOID FIELD INTERFERENCE AND SHALL MAKE OFFSETS AND TRANSITIONS AS REQUIRED.
- 10. THE PRODUCTS/MATERIALS SPECIFICALLY NAMED IN THE SPECIFICATION AND/OR ON THE DRAWINGS ARE THE INTENT OF DESIGN. THE ENGINEER AND/OR OWNERS REPRESENTATIVE RESERVES THE RIGHT TO REJECT PRODUCTS/MATERIALS EVEN IF FROM OTHER ACCEPTABLE MANUFACTURERS IF IT IS FELT THEY DO NOT MEET THE INTENT OF THE SPECIFICATION.

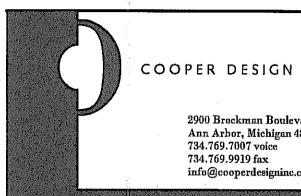
MECHANICAL SHEET INDEX								
SHEET	DESCRIPTION							
MO.1	MECHANICAL SHEET INDEX, ABBREVIATION LIST, AND SYMBOL LIST							
MLI	UNDERGROUND PLUMBING FLOOR PLAN AND PLUMBING FLOOR PLAN							
M2.1	MECHANICAL HVAC FLOOR PLAN							
M3.1	MECHANICAL DETAILS AND SCHEDULES							



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

Consultan	
Mongrillan	
COMBUILDING	



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

Sheet Title

MECHANICAL SHEET INDEX, ABBREVIATION LIST, AND SYMBOL LIST

Dates	
02.22.2011	Bid Documents.

Pittsfield Township, MI

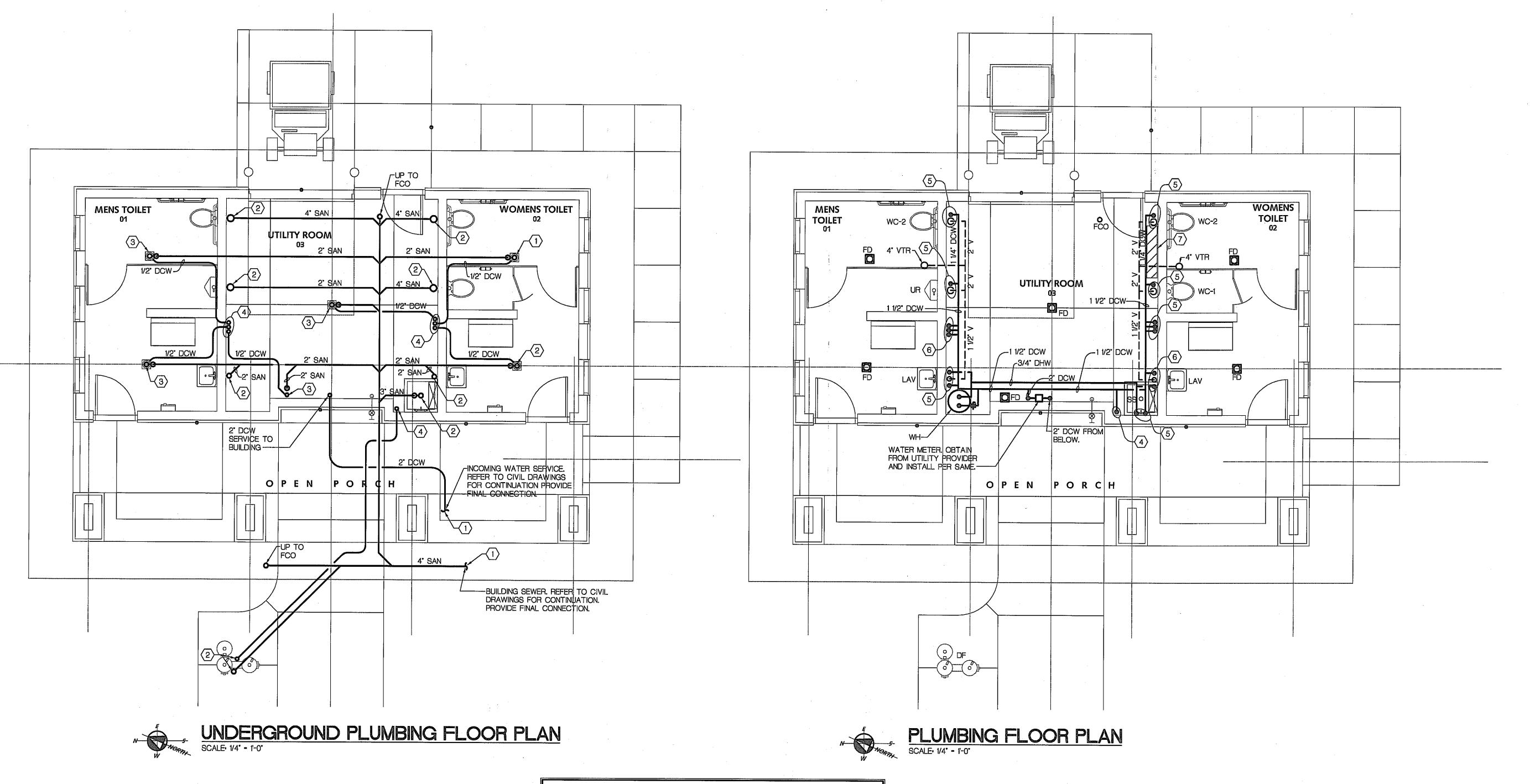
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Project Number

201029

Sheet Number



GENERAL NOTES:

- 1. LOCATE ALL VALVES AND OTHER ITEMS REQUIRING SERVICE OVER ACCESSIBLE CEILINGS. IF DEVICES ARE REQUIRED TO BE INSTALLED OVER HARD CEILINGS, PROVIDE A 24"X24" ACCESS DOOR OF MATERIAL AND FINISH TO MATCH THE CEILING.
- 2. ALL PIPING REQUIRED TO BE PITCHED, SHALL BE PITCHED AT 1/8" PER FOOT UNLESS NOTED OTHERWISE.
- 3. REFER TO PLUMBING FIXTURE PIPE SIZING SCHEDULE FOR REQUIRED SERVICES AND CONNECTION SIZES TO EACH PLUMBING FIXTURE.
- 4. ALL PIPING IS TO BE SURFACE MOUNTED IN THE UTILITY ROOM. PIPING TO BE CONFIGURED SUCH THAT IT DRAINS TO ONE LOW POINT IN THE UTILITY ROOM PER EACH TOILET ROOM. PROVIDE A DRAIN VALVE WITH MALE HOSE END AT EACH DRAIN

KEY NOTES:

- REFER TO CIVIL DRAWINGS FOR CONTINUATION, PROVIDE TRANSITION AND FINAL CONNECTION AS REQUIRED.
- 2 SAN UP TO FIXTURE. REFER TO PLUMBING FIXTURE PIPE SIZING SCHEDULE FOR PIPE
- SAN AND DCW UP TO FLOOR DRAIN WITH TRAP PRIMER CONNECTION. REFER TO PLUMBING FIXTURE PIPE SIZING SCHEDULE FOR PIPE SIZE.
- 4 1/2" DCW FROM ABOVE.
- 5 DHW, DCW, AND V, AS INDICATED, TO PLUMBING FIXTURE. REFER TO PLUMBING FIXTURE PIPE SIZING SCHEDULE FOR SERVICES AND SIZES.
- (6) 1/2' DCW DOWN TO TRAP PRIMER. REFER TO TRAP PRIMER DETAIL.
- 7 COORDINATE PLUMBING WITH ELECTRICAL EQUIPMENT TO MAINTAIN CLEARANCES ABOVE THE ELECTRICAL PANELS AND EQUIPMENT. COORDINATE WITH ELECTRICAL TRADES.



B R (1)
Beckett&Raeder

Landscape Architecture
Planning & Engineering

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Consultants	
	COOPER DESIGN
Linderton (DEC)	2900 Brockman Boulevard Ann Arbor, Michigan 48104
	734.769.7007 voice
	$734.769.9919 \mathrm{fax}$

Project Title

Pittsfield Township Parks Parks Commission

HICKORY WOODS PARK PHASE 1b IMPROVEMENTS

Pittsfield Township, MI

UNDERGROUND PLUMBING
FLOOR PLAN AND PLUMBING
FLOOR PLAN

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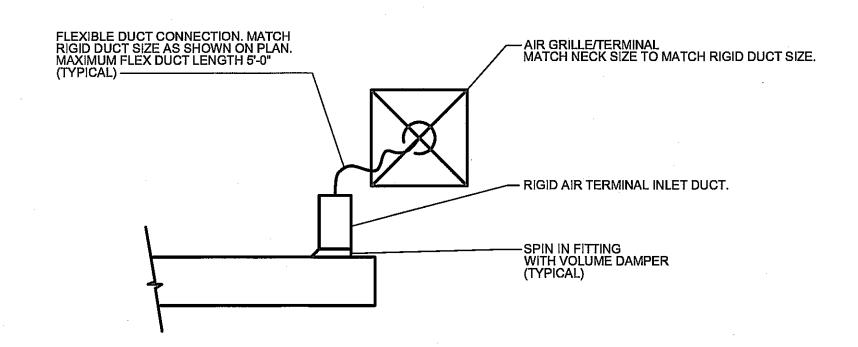
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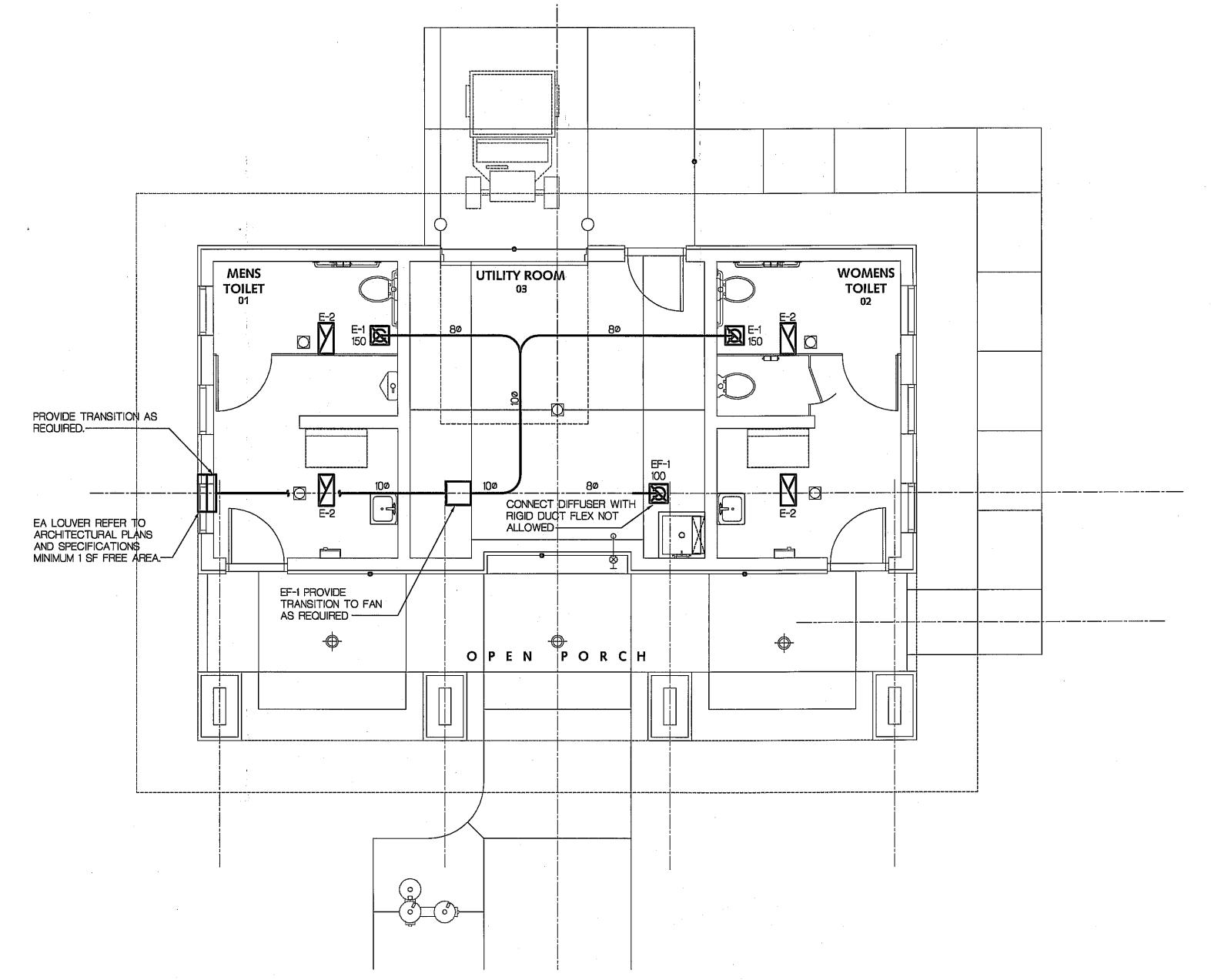
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201029

Sheet Number



AIR TERMINAL DETAIL
NO SCALE





GENERAL NOTES:

- 1. LOCATE ALL VARIABLE AIR VOLUME BOXES AND DAMPERS OVER ACCESSIBLE CEILINGS. IF DEVICES ARE REQUIRED TO BE INSTALLED OVER HARD CEILINGS, PROVIDE A 24"X24" ACCESS DOOR OF MATERIAL AND FINISH TO MATCH THE CEILING.
- 2. FLEX DUCT SIZE SHALL MATCH THE SIZE OF THE DUCT BRANCH
- 3. INSTALL EXHAUST FAN PER THE MANUFACTURER'S REQUIREMENTS.
- 4. ALL DUCT IN EXPOSED AREAS IS TO BE INSTALLED ABOVE THE BOTTOM CORD OF THE TRUSS SYSTEM.

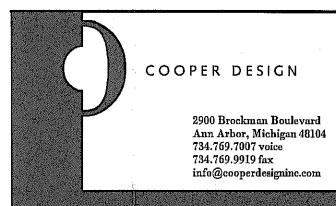


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Consultants



Project Title

Pittsfield Township Parks Parks Commission

HICKORY WOODS PARK PHASE 1b IMPROVEMENTS

Pittsfield Township, MI

Sheet Title

MECHANICAL HVAC FLOOR PLAN

Dates					
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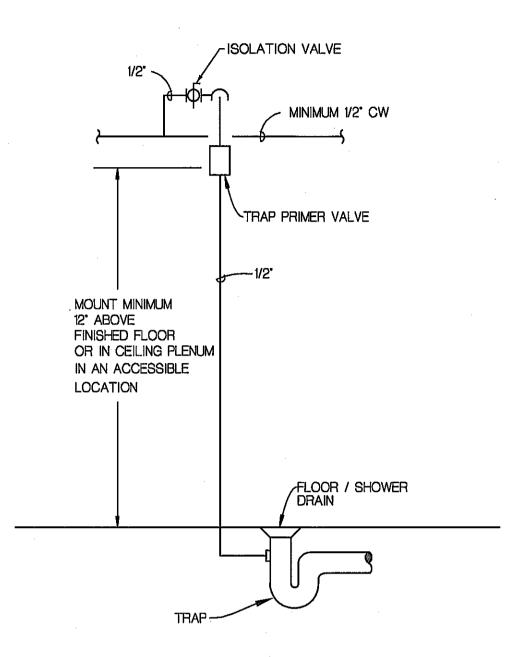
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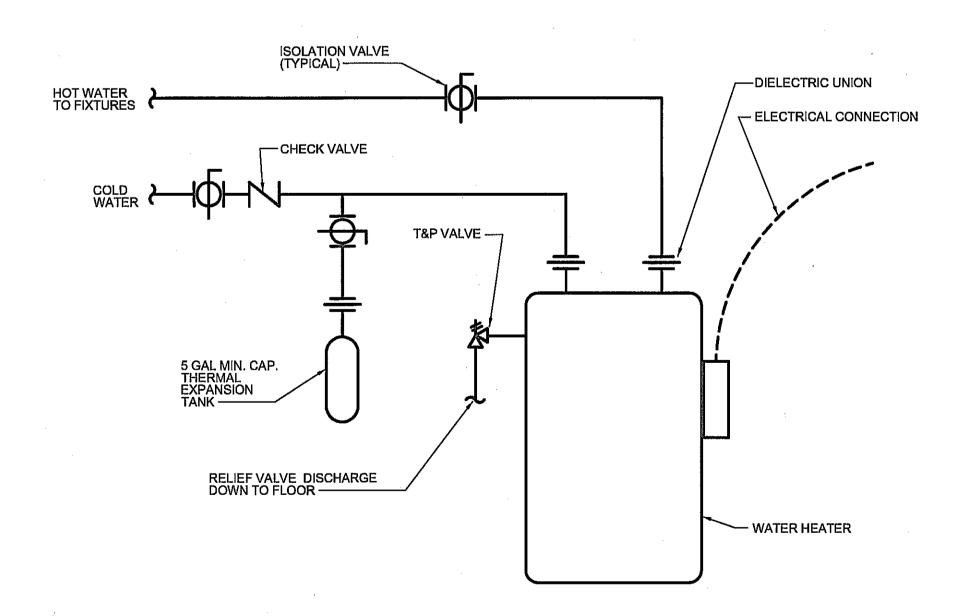
Project Number

201029 Sheet Number

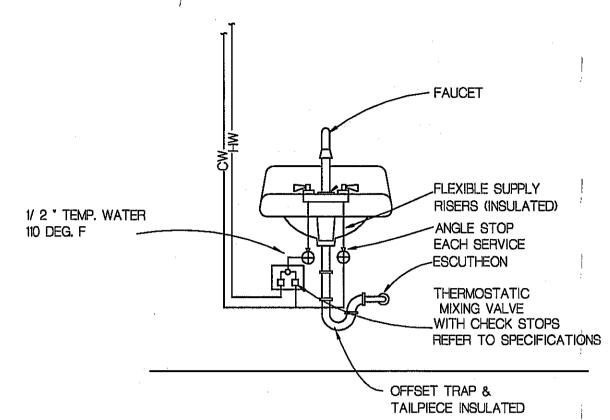
M2.1



TRAP PRIMER DETAIL
SCALE: NO SCALE



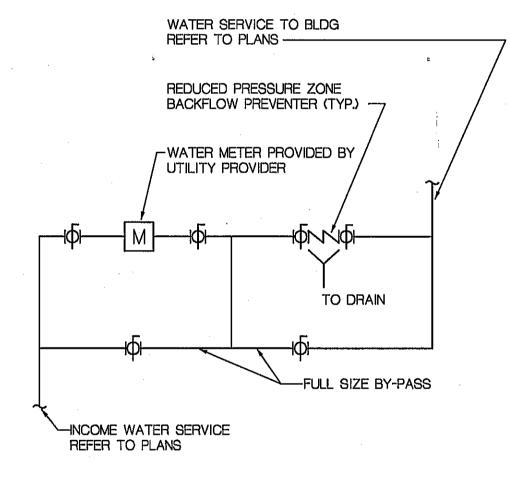
WATER HEATER INSTALLATION DETAIL
NO SCALE



LAVATORY/SINK PIPING DETAIL

SCALE : NO SCALE

NOTE: APPLICABLE TO ALL LAVATORIES IN ALL TOILET ROOMS AND EXAM ROOM SINKS.



WATER METER

NOTE: SUPPORT FROM FLOOR.

D	Many rations	T	A	Opened Street	**	
					_	

EXHAUST FAN SCHEDULE									
MARK	AREA SERVED	FLOW (CFM)	T.S.P. (IN WC)	DRIVE	MOTOR (BHP)	MOTOR (HP)	VOLTS/ PHASE	MANUFACTURER/ MODEL NUMBER	REMARKS
EF-1	TOILET ROOMS	400	0.60	BELT	0.11	0.25	120/1	GREENHECK/ SQ-95-VG	

MARK	SIZE (IN)	PATTERN	MANUFACTURER/ MODEL NUMBER	REMARKS
E-1	12X12	-	PRICE/ 98	
E-2	10X20	-	PRICE/ 98	

PLUMBING	FIXT	JRE P	IPE SI	ZING	SCHE	DULE
FIXTURE		D BRANCH SIZE (IN)			E IN WALL IN)	
	DCW	DHW	DCW	WHD	SAN	VENT
LAVATORY (LAV)	3/4	3/4	1/2	1/2	1 1/2	1 1/2
SINK (SK)	3/4	3/4	1/2	1/2	. 1 1/2	1 1/2
SERVICE SINK (SS)	3/4	3/4	3/4	3/4	3	1 1/2
WATER CLOSET (WC)	1 1/4	NA .	1 1/4	NA	4	2
URINAL (UR)	1	NA	3/4	NA	2	2
DRINKING FOUNTAIN (EWC OR DF)	3/4	NA	1/2	NA	1 1/2	1 1/2
FLOOR DRAIN (FD)	1/2	-	1/2	<u>.</u>	AS NOTED ON PLAN	-

WAT	ER HEATE	R SCH	IEDUL	E		
MARK	AREA	CAPACITY	CAPACITY	VOLTS/	MANUFACTURER/	REMARKS
	SERVED	(WATT)	(GAL)	PHASE	MODEL NUMBER	
WH	DOMESTIC HOT WATER	1,000	20	240/1	AO SMITH/ DEL-20	

PLUI	MBING FIXT	URE SCHE	DULE		
MARK	FIXTURE	MATERIAL/	MANUFACTURER/	TRIM/FAUCET/	REMARKS
		COLOR	MODEL NUMBER	FLUSH VALVE	
WC-1	WALL HUNG WATER CLOSET	VITREOUS CHINA/WHITE	AMERICAN STANDARD/ 2294.011 AFWALL	SLOAN ROYAL/ MODEL 111	
WC-2	WALL HUNG WATER CLOSET - ADA	VITREOUS CHINA/WHITE	AMERICAN STANDARD/ 2294.011 AFWALL	SLOAN ROYAL/ MODEL 111	
UR	URINAL - ADA	VITREOUS CHINA/WHITE	AMERICAN STANDARD/ 6561.017 TRIMBROOK	SLOAN ROYAL/ MODEL 186-1.0	
LAV	WALL HUNG LAVATORY - ADA	VITREOUS CHINA/WHITE	AMERICAN STANDARD/ 0355.012 LUCERNE	AMERICAN STANDARD/ 2385.278 RELIANT	SEE NOTE 1
SS	FLOOR MOUNTED SERVICE SINK	TERRAZZO	FIAT/ MSB-100	FIAT/ 830-AA SS	SEE NOTE 2
DF-1	DRINKING FOUNTAIN	12 GAUGE 304 SS	HAWS/ STREETSMART 3500 D	- .	HI-LO VANDAL RESISTANT PEDESTAL WITH PET FOUNTAIN
FD	FLOOR DRAIN	CAST IRON BODY/ NICKEL BRONZE	JAY R SMITH/ FIGURE 2005-B	-	
FCO	FLOOR CLEAN OUT - FINISHED SPACES	CAST IRON BODY/ NICKEL BRONZE	JAY R SMITH/ FIGURE 4020	-	

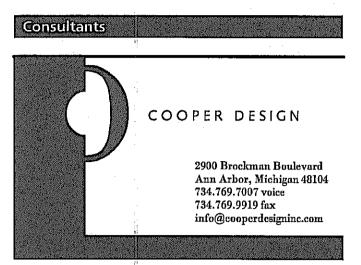
1. PROVIDE TEMPERING VALVE AND TRAP WRAP AS SPECIFIED.

1. PROVIDE STAINLESS STEEL SPLASH PANELS ON THE TWO ADJACENT WALLS, HOSE WITH MOUNTING CLIP, AND MOP RACK.



Beckett&Raeder Landscape Architecture Planning & Engineering

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Project Title

Pittsfield Township Parks **Parks Commission**

HICKORY WOODS PARK PHASE 1b IMPROVEMENTS

Pittsfield Township, MI

Sheet Title

MECHANICAL DETAILS

AND SCHEDULES

Dates		
02.22.2011	Bid Documents.	
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AS SHOWN

Quality Control Checked: JC Approved: JC

Project Number

201029 Sheet Number