

CITY OF BROOK PARK, OHIO

PIC 3/20/24 Service
SP. CA 3/26/24
1st R 4/2/24
2nd R _____
3rd R _____
CVC _____

ORDINANCE NO. 11401-2024

INTRODUCED BY: MAYOR ORCUTT & C/W

**AN ORDINANCE
AUTHORIZING THE INCLUSION OF ORNAMENTAL PATHWAY
LIGHTS AND AN AERATING FOUNTAIN IN THE WEDO PARK
STORM WATER BASIN PROJECT (CONTRACT 202211),
AND DECLARING AN EMERGENCY**

WHEREAS, the original contract documents for the Wedo Park Storm Water Basin Project did not include provisions for the installation of an aerating fountain nor ornamental pathway lights;

WHEREAS, during the construction phase of the Project it became apparent that not only would pathway lights improve safety at the basin during the nighttime, but they would also add to the aesthetics of the Park area;

WHEREAS, it is recommended that an aerating fountain be installed as a natural solution to water quality management, controlling algae growth, aquatic weeds and possible odors;

WHEREAS, upon being requested, Independence Excavating has submitted proposals for the necessary additional work to accommodate a fountain and LED pathway lighting;

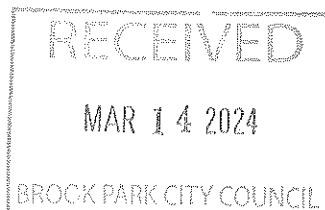
WHEREAS, the City of Brook Park is prepared to commence with the additional work.

NOW THEREFORE, BE IT ORDAINED by the Council of the City of Brook Park, State of Ohio, that:

SECTION 1: The Mayor is authorized to utilize unused funds within the current construction contract with Independence Excavating, Inc., for the Wedo Park Storm Water Basin Project (CT 202211).

SECTION 2: The estimated cost for the additional work has been estimated not to exceed \$95,000 for the pathway lights and \$48,000 for the fountain.

SECTION 3: The money needed to complete the aforesaid transaction shall be paid from funds currently appropriated or to be appropriated for this Project.



SECTION 4: It is found and determined that all formal actions of this Council concerning and relating to the adoption of this Ordinance were adopted in an open meeting of this Council, and that all deliberations of this Council and of any of its committees that resulted in such formal action were in meetings open to the public in compliance with all legal requirements, including Section 121.22 of the Ohio Revised Code.

SECTION 5: This Ordinance is hereby declared to be an emergency measure necessary for the immediate preservation of the public peace, health, safety of said City, and for the further reason that City Council deems it necessary to proceed with the additional work being proposed at the Wedo Park Storm Water Basin as soon as possible, therefore, provided this Ordinance receives the affirmative vote of at least five (5) members elected to Council, it shall take effect and be in force immediately from and after its passage and approval by the Mayor; otherwise, from and after the earliest period allowed by law.

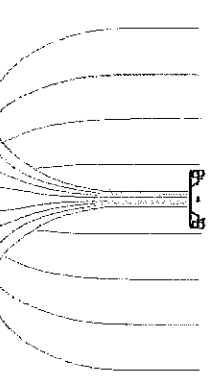
PASSED: April 2, 2024 _____
 PRESIDENT OF COUNCIL

ATTEST: Carol Johnson APPROVED: Edmund A. Smith
 CLERK OF COUNCIL MAYOR
 4/2/24
 DATE

CERTIFICATE
 Carol Johnson, Clerk of Council, of the City of Brook Park, Ohio, do hereby certify that the foregoing is a true and accurate copy of Ordinance Resolution No. 11401-2024 passed on the 2 day of April 2024 by said council.
Carol Johnson
 Clerk of Council

	Yea	Nay
Troyer	<input checked="" type="checkbox"/>	_____
Mencini	<input checked="" type="checkbox"/>	_____
Roberts	<input checked="" type="checkbox"/>	_____
Scott	<input checked="" type="checkbox"/>	_____
McCorkle	<input checked="" type="checkbox"/>	_____
Poindexter	<u>Absent</u>	_____
Dufour	<input checked="" type="checkbox"/>	_____

I HEREBY APPROVE THE WITHIN INSTRUMENT AS TO LEGAL FORM AND CORRECTNESS.
[Signature]
 DIRECTOR OF LAW
 Asst.



PROJECT DESIGN FOUNTAIN

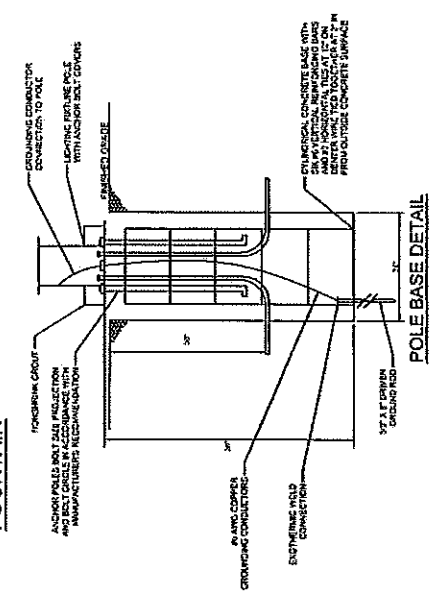
Model	HP	Flow (GPM)	Flow (LPM)	Flow (m³/hr)	Flow (m³/day)	Flow (m³/week)	Flow (m³/month)	Flow (m³/year)
1	1/2	100	3785	227	5448	37850	1037400	37850000
2	1	200	7570	454	10896	75700	2074800	75700000
3	1.5	300	11355	681	16344	113550	3112200	113550000
4	2	400	15140	908	21792	151400	4185600	151400000
5	3	600	22710	1362	32688	227100	6273600	227100000

NOTES:
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. VERIFY ALL DIMENSIONS AND CLEARANCES PRIOR TO INSTALLATION.
 3. VERIFY ALL ELECTRICAL INSTALLATIONS TO MEET LOCAL BUILDING CODES.
 4. ALL ELECTRICAL INSTALLATIONS TO BE PERFORMED BY A LICENSED ELECTRICIAN.
 5. ALL ELECTRICAL INSTALLATIONS TO BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.
 6. VERIFY ALL DIMENSIONS AND CLEARANCES PRIOR TO INSTALLATION.
 7. VERIFY ALL ELECTRICAL INSTALLATIONS TO MEET LOCAL BUILDING CODES.
 8. VERIFY ALL ELECTRICAL INSTALLATIONS TO BE PERFORMED BY A LICENSED ELECTRICIAN.
 9. VERIFY ALL ELECTRICAL INSTALLATIONS TO BE PERFORMED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE LOCAL CODES.

GEMINI SURFACE SPRAY AERATOR

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FOUNTAIN



GEMINI AERATING FOUNTAIN SPECIFICATIONS

MODELS: The motor shall be a floating surface spray aerator with a "turret" shaped spray pattern. Spray dimensions are 9 feet (2.74 m) in height, and 15 feet (4.57 m) in diameter.

PUMPING CAPACITIES: The primary pumping rate of the unit is 365 GPM (1.36 m³/hr) and the secondary or reduced circulation rate is 9.650 GPM (0.36 m³/hr).

FLOAT: The float shall be made of seamless, one-piece high-density polyethylene plastic, filled with high density polyethylene foam. The float shall be capable of providing full flotation for the shell in the event of cracking. The float shall have protective pockets for lights and handles installed into the bottom for easy handling. Shell flange or those with an internal void for additional ballast are not acceptable.

IMPELLER: The impeller shall be dynamically balanced and die cast from type 304 stainless steel. A type 304 stainless steel left and right screw shall secure the impeller to the motor shaft. Flexible shaft couplings are not acceptable.

MOTOR: The motor shall be a 2 HP, 230 volt, 1 phase, 60 Hz oil-cooled, submersible motor operating at 3450 RPM or 50. The motor shall be 1.15 except for 304 1/2 inch shaft size. The motor shall be protected from the elements and shall be dynamically balanced. The motor shall be dynamically balanced. The winding (motor) shall be covered with class F rated insulation designed for complete immersion in oil. The motor shall be attached to a thermoplastic motor base plate. The motor shall be protected against oil and water leakage by a combination of rotary seals, stationary seals, and molded rubber "O" rings. Motor shall be serviceable.

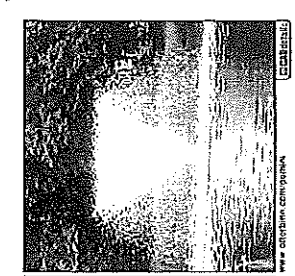
MOTOR HOUSING: The external motor housing shall be a gasket formed from deep drawn 316 stainless steel. The motor base plate shall be constructed of 420 tubular thermoplastic. A major boss will provide support and protection for the motor electrical connector.

FASTENERS: All fasteners are to be metric and type 304 or 316 stainless steel.

ELECTRICAL CONNECTORS: The electrical connectors shall consist of a vegetable and a plug connector or non-connector fasteners. The system shall create a vacuum seal when connected and have a threaded nut system as a backup. The plug shall have a keyway and be threaded into the motor base plate. The connector system shall be ETL and UL approved.

UNDERWATER POWER CABLE: The power cables shall be type 500W specifically designed for underwater use. The connector shall be flexible, impregnated bare copper 12, 10 or 8 gauge, triple insulated to resist moisture, salt, and degrading. The outer jacket of the cable shall be a black CPD material. All underwater connectors shall be waterproof. Power cable shall be able to be terminated in impregnated lengths up to one thousand feet (305m) if necessary.

POWER CONTROL DEVICES: The electrical components shall be mounted on a NEMA 4X rated enclosure with an external manual disconnect switch, and a MANUAL OFF-AUTO selector switch. The electrical system for all units (1.5, 202-230, 304-115 & 460V) shall include a non-reversing 600V rated Kohler Motor Controller (MCC) with thermal overload and short circuit trip and 240 timer, 115, 202-230 volt, single and three phase units shall include GFCI circuit breaker protection. To operate the GFCI and circuit breaker on 108-230 volt systems a neutral must be present or an optional ground transformer may be supplied. The electrical system



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shall include a lightning arrester, rated for a one-bolt of 60,000 joules energy discharge.

TESTING: A safety: The motor system shall be tested and approved as such. Specific component testing not allowed, units must be tested by ETL, ETL-C, CE, UK, or other accredited testing facilities. 2. Performance - Unit must have independent performance testing provided by the University of Minnesota.

WARRANTY: The warranty shall be five years.

ACCEPTABLE MANUFACTURERS: The unit shall be an OTTERBINE Gemini Aerator Fountain manufactured by OTTERBINE BROS. INC., 3440 MAIN ROAD S.W.T., MINNEAPOLIS, MN 55409 U.S.A. PH: (612) 985-6418, WEB: www.otterbine.com

