

LIONS PARK STORMWATER RE-USE

PROJECT 17-13

600 14th Street NW, New Brighton, MN

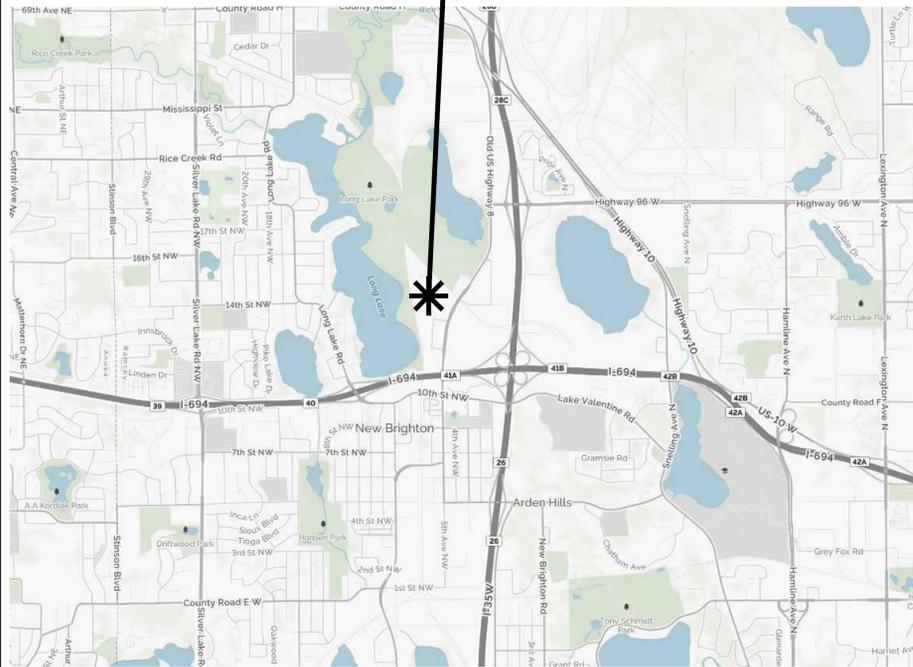
CITY OF NEW BRIGHTON

803 Old Highway 8 NW

New Brighton, MN 55112-2792



VICINITY MAP



Lion's Park
600 14th Street NW,
New Brighton, MN

GENERAL NOTES

1. ALL CONSTRUCTION MUST COMPLY WITH APPLICABLE STATE AND LOCAL ORDINANCES.
2. THE CONTRACTOR WILL BE RESPONSIBLE FOR AND SHALL PAY FOR ALL CONSTRUCTION STAKING / LAYOUT.
3. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL RELATED CONSTRUCTION PERMITS. SUBMIT A COPY OF ALL PERMITS TO THE LANDSCAPE ARCHITECT AND CITY.
4. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRAFFIC CONTROL SIGNAGE (CONSTRUCTION ZONES) NECESSARY TO CONSTRUCT PROPOSED IMPROVEMENTS. ALL SIGNAGE LAYOUTS MUST BE DESIGNED BY THE CONTRACTOR AND APPROVED BY LOCAL AUTHORITIES.
5. INSTALL CONTROL FENCING AND BARRICADING AS NECESSARY TO PROTECT THE PUBLIC.
6. INSPECT SITE TO DETERMINE EXTENT OF WORK AND NATURE OF MATERIALS TO BE HANDLED.
7. REFER TO SPECIFICATIONS FOR DEWATERING REQUIREMENTS.
8. CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
9. MAINTAIN ADJACENT PROPERTY AND PUBLIC STREETS CLEAN FROM CONSTRUCTION CAUSED DIRT AND DEBRIS ON A DAILY BASIS. PROTECT DRAINAGE SYSTEMS FROM SEDIMENTATION AS A RESULT OF CONSTRUCTION RELATED DIRT AND DEBRIS.
10. MAINTAIN DUST CONTROL DURING GRADING OPERATIONS.
11. ALL EROSION CONTROL METHODS SHALL COMPLY WITH MPCA AND LOCAL REGULATIONS.
12. CONTRACTOR SHALL MINIMIZE DISTURBANCE TO SITE AND PROTECT EXISTING SITE FEATURES (INCLUDING TURF AND VEGETATION) WHICH ARE TO REMAIN.
13. NO FINISHED SLOPES SHALL EXCEED 4' HORIZONTAL TO 1' VERTICAL (4:1), UNLESS OTHERWISE NOTED.
14. ALL DISTURBED AREAS NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND SHALL BE SODDED.
15. FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SOD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.
16. LOCATE ALL EXISTING UTILITIES. VERIFY LOCATION, SIZE AND INVERT ELEVATION OF ALL EXISTING UTILITIES. VERIFY LOCATIONS, SIZES AND ELEVATIONS OF SAME BEFORE BEGINNING CONSTRUCTION.

DRAWING INDEX

- L1.0 TITLE SHEET
- L1.1 IRRIGATION PLAN, DETAILS, AND NOTES
- E1.0 PARTIAL ELECTRICAL SITE PLAN

CONSULTANTS

CIVIL ENGINEERING / LANDSCAPE ARCHITECTURE:

ANDERSON-JOHNSON ASSOCIATES, INC.
CONTACT: Jay Pomeroy
7575 GOLDEN VALLEY ROAD, SUITE 200
MINNEAPOLIS, MN 55427
763-544-7129

ELECTRICAL:

WUNDERLICH-MALEC ENGINEERING
CONTACT: Jim O'Brien
6101 BLUE CIRCLE DRIVE
EDEN PRAIRIE, MN 55343
952-933-3222

Project No.	18067
Date	3/21/2018
Drawn By	JCL/JRP
Ck. By	JRP
Revisions	

TITLE SHEET

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly licensed LANDSCAPE ARCHITECT under the laws of the State of Minnesota.
Jay R. Pomeroy
Reg. No. 23344 Date 3/21/2018

AJA
ANDERSON - JOHNSON ASSOCIATES, INC.
LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING
7575 GOLDEN VALLEY ROAD, SUITE 200, MINNEAPOLIS, MN 55427
PH (763) 544-7129

LIONS PARK STORMWATER RE-USE
PROJECT 17-13
600 14th Street NW, New Brighton, MN

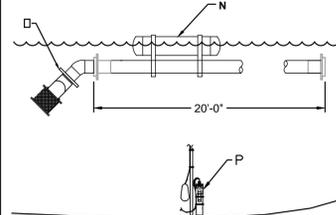
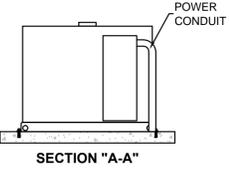
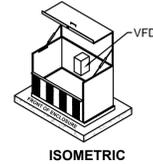
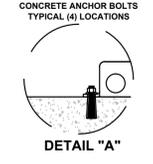
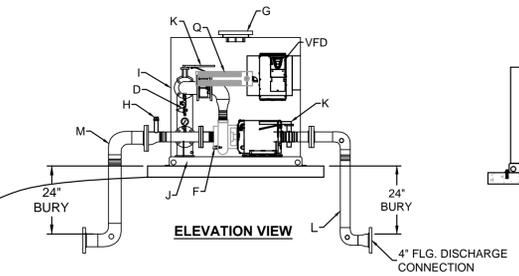
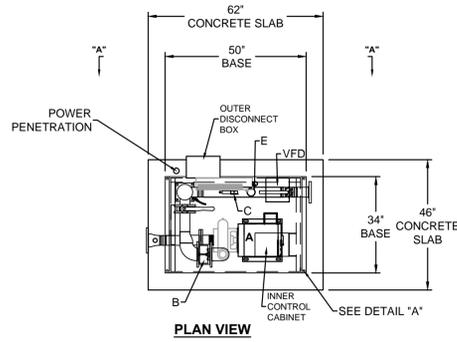
CITY OF NEW BRIGHTON
803 Old Highway 8 NW
New Brighton, MN 55112-2792

Sheet
L1.0
of 3

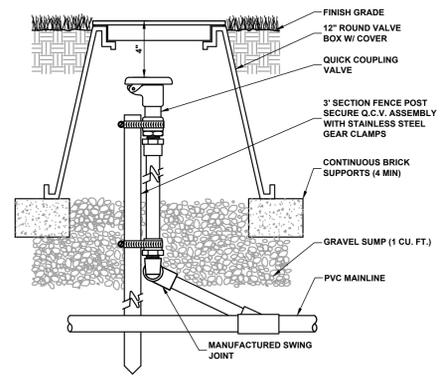
STATION TOTAL PERFORMANCE: 120 GPM @ 100 PSI
MAX. LIFT: 8'
PUMP HORSEPOWER:
 PUMP: 15HP (3600RPM)
CHECK VALVE SIZES:
 PUMP: 3"
ISOLATION VALVE SIZES:
 DISCHARGE ISOLATION VALVE SIZE: 3"
 DISCHARGE MANIFOLD SIZE: 3"
POWER REQUIREMENTS: 480 V, 60 HZ, 3 PHZ, 32 FLA
EXHAUST FAN REQUIREMENTS: 240CFM

STATION COMPONENTS:

- A PUMP AND MOTOR
- B CHECK VALVE
- C PRESSURE TRANSDUCER WITH GAUGE
- D POSITIVE PRIME ASSEMBLY
- E FLOW SENSOR
- F TEMP SENSOR
- G STATION FAN HOOD MOUNTED
- H 1" FILL PORT
- I PAINTED STEEL ENCLOSURE (SANDSTONE)
- J PAINTED STEEL BASE (SANDSTONE)
- K STATION DISCHARGE ISOLATION VALVE
- L 4" FLG. DISCHARGE DROP PIPE
- M 4" FLG. INTAKE DROP PIPE
- N 4" X 20" HDPE FLOATING SUCTION LINE
- O INTAKE SCREEN AND FOOT-VALVE
- P LEVEL TRANSDUCER W/ 100' OF WIRE
- Q 500W THERMOSTATICALLY CONTROLLED HEATER



2
 L1.1
PUMP STATION
 NO SCALE



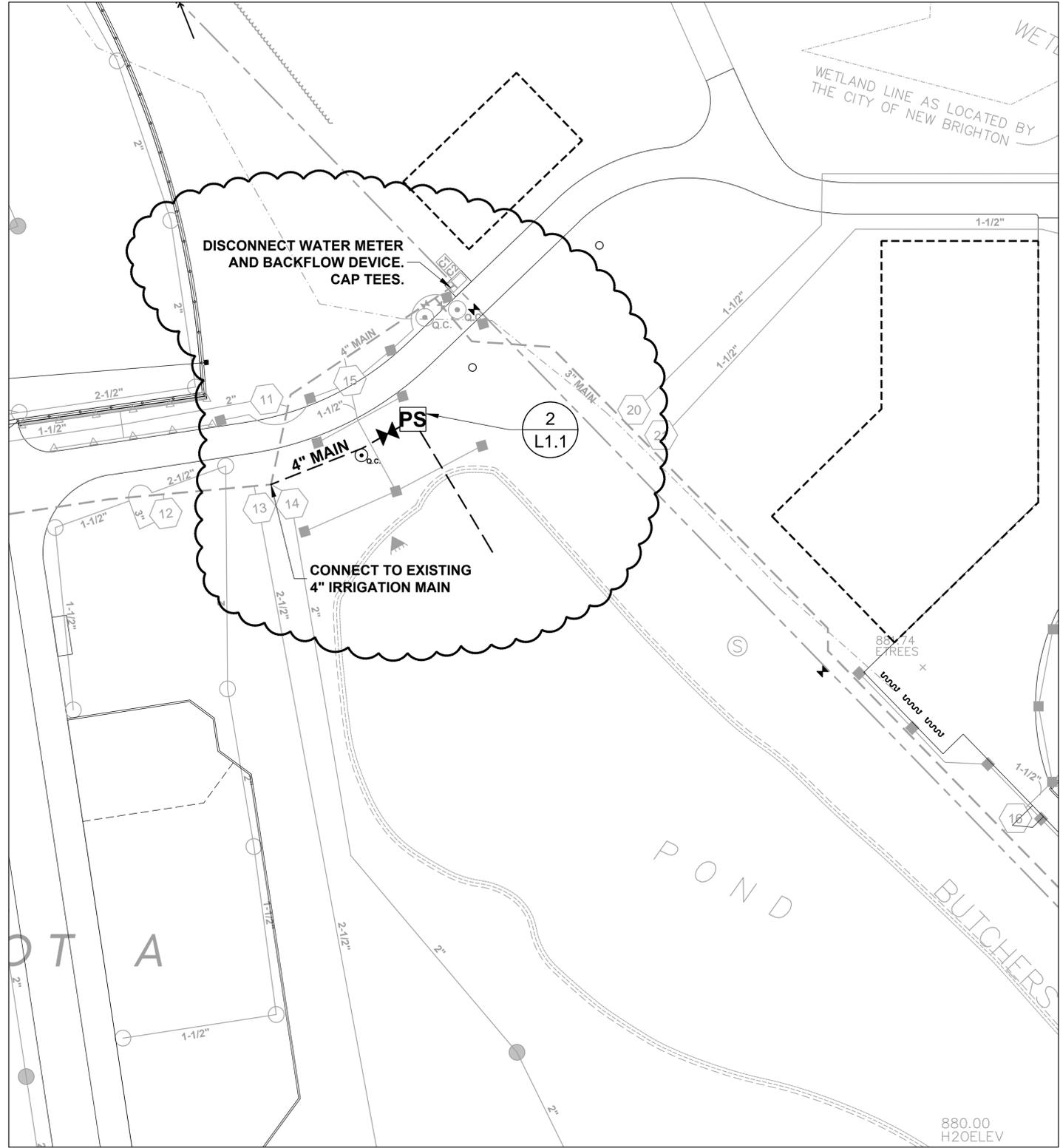
3
 L1.1
QUICK COUPLER

NOTES:

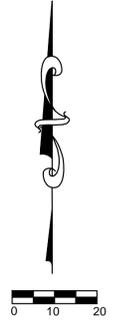
1. IRRIGATION SYSTEM IS DESIGNED FOR 75 (+/-) PSI AT THE WATER CONNECTION AND 55 (+/-) PSI AT THE BASE OF ALL TURF HEADS. NOTIFY ENGINEER/LANDSCAPE ARCHITECT IF EXISTING PRESSURE DIFFERS.
2. LAYOUT WORK AS ACCURATELY AS POSSIBLE. THE CONTRACTOR MAY MAKE MINOR ADJUSTMENTS TO THE LOCATION AND SPACING AS NECESSARY TO ACCOMMODATE ACTUAL FIELD CONDITIONS. HEAD LOCATIONS SHALL BE FLAGGED AND REVIEWED BY THE ENGINEER PRIOR TO INSTALLATION.
3. COORDINATE INSTALLATION WITH THE WORK OF OTHERS.
4. ALL MATERIALS SHALL BE INSTALLED AS DETAILED ON DRAWINGS, HOWEVER, IF THE CONTRACT DRAWINGS AND/OR SPECIFICATIONS DO NOT THOROUGHLY DESCRIBE THE METHOD OR TECHNIQUES TO BE USED, THE CONTRACTOR SHALL FOLLOW THE INSTALLATION METHODS ISSUED BY THE MANUFACTURER. ALL SUCH LITERATURE MUST BE SUBMITTED 48 HOURS PRIOR TO INSTALLATION FOR REVIEW AND APPROVAL BY THE ENGINEER.
5. CHECK AND VERIFY ALL EXISTING AND PROPOSED SITE CONDITIONS, UTILITIES AND SERVICES PRIOR TO TRENCHING.
6. MAINLINE PIPING SHALL BE A MINIMUM OF 18 INCHES DEEP. ENGINEER SHALL BE NOTIFIED TO VERIFY TRENCH DEPTHS BEFORE BACKFILLING.
7. ALL MAINLINE PIPING SHALL BE PVC (SDR 21/ CLASS 200).
8. ALL RISERS AND HOSE BIBBS SHALL BE SET PLUMB. QUICK COUPLER VALVES SHALL BE SET PERPENDICULAR TO FINISHED GRADE.
9. CONDUCT PERFORMANCE TEST IN THE PRESENCE OF OWNER AND LANDSCAPE ARCHITECT FOLLOWING COMPLETION OF SYSTEM INSTALLATION.
10. CONDUCT AND DEMONSTRATE TO OWNER THE WINTERIZATION AND SPRING START-UP PROCESS IN THE FALL OF COMPLETION.
11. CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL EQUIPMENT NECESSARY TO MAKE THE SYSTEM FULLY FUNCTIONAL.
12. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE EXACT LOCATION AND DEPTH OF ELECTRIC LINES PRIOR TO INSTALLATION OF IRRIGATION.

LEGEND

- REFERENCE KEY TO SITE DETAILS
 DETAIL I.D NUMBER (TOP)
 DETAIL SHEET NUMBER (BOTTOM)
- 4" MAIN IRRIGATION MAINLINE
 (NUMBER INDICATES PIPE SIZE)
- ISOLATION GATE VALVE
- QUICK COUPLER
- PROPOSED PUMP STATION
- PROPERTY LINE



1
 L1.1
STORMWATER RE-USE - PLAN



Project No. 18067
 Date 3/21/2018
 Drawn By JCL/JRP
 Ck. By JRP
 Revisions

**IRRIGATION
 PLAN, DETAILS
 AND NOTES**

I hereby certify that this plan was prepared by me or under my direct supervision and that I am a duly licensed LANDSCAPE ARCHITECT under the laws of the State of Minnesota.
 J. R. Pomerooy
 Reg. No. 23578 Date 3/21/2018

AJA
 ANDERSON - JOHNSON ASSOCIATES, INC.
 LANDSCAPE ARCHITECTURE • SITE PLANNING • CIVIL ENGINEERING
 753 GOLDEN VALLEY ROAD MINNEAPOLIS, MN 55425
 PH (763) 544-6651

**LIONS PARK STORMWATER RE-USE
 PROJECT 17-13**
 600 14th Street NW, New Brighton, MN
 CITY OF NEW BRIGHTON
 803 Old Highway 8 NW
 New Brighton, MN 55122-2792

