CONTRACT DRAWINGS FOR

NORTHWEST ROME WATER SYSTEM IMPROVEMENTS

CONTRACT NO. 9 - HYDROPNEUMATIC STATION

CONTRACT NO. 10 - ELECTRICAL/INSTRUMENTATION AND

CONTROL

CITY OF ROME

ONEIDA COUNTY, NEW YORK

JANUARY 2017

CALL UNDERGROUND FACILITIES PROTECTION ORGANIZATION

48 HOURS BEFORE DIGGING OR DRIVING POSTS @ 1-800-962-7962

Dig Safely!

CONTRACTOR:

Dodson & Associate Consulting Engineers, PLLC

1745 Catalyse Street
Scheneectady, NY 12303
Phone: (518) 382-5842
Fax: (518) 382-8876

NY.S.E.L. LICENSE NO. 066539

MAYOR
JACQUELINE M. IZZO

PRESIDENT OF COMMON COUNCIL
STEPHANE VISCELLI

COMMON COUNCIL
LORI A. TRIFELETTI
1st WARD
JOHN B. MORTISE
2nd WARD
KIMBERLY ROGERS
3rd WARD
SHARON MORNING PARSONS
4th WARD
FRANK R. ANDERSON
5th WARD
RICCARDO D. DURSI
6th WARD
LOUIS D'AMICO
7th WARD
LOUISE S. CLASIO
CITY CLERK
FRED SCHMUTZ
COMMISSIONER OF PUBLIC WORKS
TONY NASH
SUPERINTENDENT OF WATER AND SEWER
GERARD FEENEY
CORPORATION COUNCIL
DAVID NOLAN

TREASURER

CITY OFFICIALS

SITE LOCATION MAP

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SITE LOCATION MAP
NOTE: EXTEND FOUNDATION WALL FROM TOP OF FOOTING TO 8'' ABOVE FINISHED FLOOR.

Door and Hardware Schedule

<table>
<thead>
<tr>
<th>Door No.</th>
<th>Door(1)</th>
<th>Frame(1)(3)</th>
<th>Hardware(4)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size</td>
<td>Material</td>
<td>Label(2)</td>
<td>Type</td>
<td>Material</td>
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<tr>
<td>100</td>
<td>FRP</td>
<td>See Section 15190</td>
<td>3'-0&quot;</td>
<td>7'-0&quot;</td>
</tr>
<tr>
<td>101</td>
<td>FRP</td>
<td>See Section 15190</td>
<td>6'-0&quot;</td>
<td>7'-0&quot;</td>
</tr>
</tbody>
</table>

(1) Refer to Specification Section 08220
(2) Refer to Specification Section 15190 for Labels
(3) Refer to Detail Number on Drawing A-2
(4) Refer to Specification Section 08700

Door colors to be selected by Owner.
HEATING/VENTILATION PLAN

HEATING/VENTILATION NOTES:
1. SEE EQUIPMENT SCHEDULE ON THIS DRAWING.
2. UNIT HEATER SHALL BE INSTALLED A MINIMUM OF 7 FEET TO CLEAR FLOOR AND 24 INCHES TO CLEAR WALL AND AC Requirements of Municipalities

DOMESTIC WATER NOTES:
1. THE MAIN BUILDING WATER SUPPLY LINE SHALL BE 3/4 INCH DIA. AND TRANSITION TO COPPER INSIDE BUILDING.
2. ALL WATER CONNECTION TO FIXTURES AND PLUMBING EQUIPMENT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
3. ALL SUPPLIES SHALL BE 3/4" COPPER.
4. CONTRACTOR SHALL ENSURE THAT ALL WALL AND CEILING PENETRATIONS AT SUPPLIES ARE WEATHERED.
5. POTABLE WATER LINE SHALL BE 3/4" COPPER TO當地 PIPELINE AND SAMPLE TAP.

SAMPLE TAP:
1. FAUCET FOR SOURCE WATER TAP, SINGLE TAP.
2. FAUCET FOR FINISHED WATER TAP, SINGLE TAP, MAIN FAUCET.

DOMESTIC WATER PLAN

BUILDING RISER DIAGRAM

NORTHWEST RIM WATER SYSTEM IMPROVEMENTS CONTRACT NO. 9 HYDROSTATIC TEST STATION IMPROVEMENTS

HEATING, VENTILATION, PLUMBING PLAN, DIAGRAM, AND DETAILS
COLLECTION TANK.

AND (1) 1'' CONDUIT FOR COMMUNICATION/CONTROL WIRING TO PROVIDE (1) 1'' CONDUIT WITH (2)#12,(1)#12G FROM PANEL "MDP" OPERATIONS.

PRIOR TO COMMENCING WITH TRENCHING OR EXCAVATION AND SIGN-OFF OF PROPOSED AND AGREED-UPON INSTALLATION LOCATION WITH OWNER AND UTILITY. OBTAIN WRITTEN APPROVAL COORDINATE ALL REQUIREMENTS AND EXACT INSTALLATION WITH OWNER AND UTILITY PRIOR TO BEGINNING INSTALLATION TO POLE TO THE TREATMENT BUILDING PER UTILITY SPECIFICATIONS.

PROVIDE TELEPHONE UTILITY TRENCH FROM EXISTING UTILITY ELECTRICAL PLAN FOR ADDITIONAL UTILITY REQUIREMENTS. REFER TO ONE-LINE DIAGRAM AND HYDROPNEUMATIC STATION CONNECT TO NATIONAL GRID POLE #8.

REFER TO DETAILS ON DWG. C-2, HV/P-1

GARDEN TANK.

REFER TO DETAIL ON THIS DWG.

GRASS SWALE

F.F. ELEV. 640.8

HYDROPNEUMATIC STATION

TO REMOVAL CONSULT OWNER/ENGINEER PRIOR MINIMIZE TREE CLEARING/TRIMMING OR APPROVED EQUAL)

U-CHANNEL BAKED GREEN ENAMEL 8' PART NUMBER 97204 TO CONNECT TO POST PART NUMBER 42951 AND POST (SIGN ALUMINUM 7"X10" STAINLESS STEEL HARDWARE YELLOW SIGN BY BRADY WORLDWIDE, INC. (USA) AND STEEL POST WITH BREAKAWAY PER NYSDOT,

CHECK VALVE OR APPROVED EQUAL

FURNISH AND INSTALL TIDEFLEX CHECKMATE INLINE DRAIN TO DAYLIGHT AT ELEV. 636.0'

6-INCH SCH 80 PVC BLOW OFF WITH FABRIC 10'X10' AREA - MEDIUM RIPRAP

GENERATOR

REFER TO DETAIL ON THIS DWG.

TAPER AS SHOWN

16 FEET ACCESS ROAD

RIM ELEV. 636.8'

CATCH BASIN

END INV. 632.8 START INV. 633.8 APPROX. 65' LENGTH 12-INCH CLASS 52 DIP PIPE

REVISIONS

THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON, OTHER THAN WHOSE SEAL APPEARS ON THIS DRAWING, TO ALTER IN ANY WAY AN ITEM ON THIS DRAWING. IF AN ITEM IS ALTERED, THE ALTERING ENGINEER SHALL AFFIX TO THE ITEM HIS SEAL AND SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

WARNING

DESCRIPTION

DATE

NO.

DESCRIPTION

DATE

NO.

DESCRIPTION

DATE

NO.

DESCRIPTION

DATE

NO.

DESCRIPTION

DATE
### Electric Equipment and Control Schedule

<table>
<thead>
<tr>
<th>Type</th>
<th>Description</th>
<th>Voltage</th>
<th>Ampere</th>
<th>Circuit</th>
<th>Panel</th>
<th>Control Unit</th>
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</thead>
<tbody>
<tr>
<td>LQ-1</td>
<td>Low Voltage 1</td>
<td>480V</td>
<td>200A</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LQ-2</td>
<td>Low Voltage 2</td>
<td>480V</td>
<td>200A</td>
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<td></td>
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</table>

### Luminaires Schedule

<table>
<thead>
<tr>
<th>Luminaire Type</th>
<th>Location</th>
<th>Wattage</th>
<th>Color</th>
<th>Control Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>H430</td>
<td>Interior</td>
<td>4000</td>
<td>White</td>
<td></td>
</tr>
<tr>
<td>H340</td>
<td>Exterior</td>
<td>5000</td>
<td>Black</td>
<td></td>
</tr>
</tbody>
</table>

### General Notes:

1. The contractor shall provide adequate means for easy access to all electrical equipment.
2. All electrical equipment shall be properly grounded according to the local electrical codes.
3. The contractor shall ensure all electrical equipment is properly labeled and marked for easy identification.
4. The contractor shall provide a system for maintaining electrical equipment in good working condition.
5. The contractor shall ensure all electrical equipment is properly tested and inspected before installation.
6. The contractor shall provide a system for maintaining electrical equipment in good working condition.
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