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June 27, 2014

Ms. Marina Lane, Senior Planner
Town of Union
Planning Department
3111 E. Main Street
Endwell, NY 13760

Re: Proposed Traditions Resort & Casino
Sewer Use and Permit - REVISED

Dear Ms. Lane:

The Traditions Resort & Casino has advanced the plumbing portion of design for the project. Delta Engineers, Architects, & Land Surveyors (Delta) completed a calculation of the sanitary design flow rate for the complete proposed facility. Their calculations are attached, dated June 23, 2014, descriptions "Updated Sanitary Design Flows," and are broken out by Existing, Phase 1 Casino, and Phase 2 Hotel.

Delta also evaluated the existing and proposed sanitary loading with respect to the existing private 6-inch SDR 35 sanitary sewer main that the entire facility will discharge into. Their documentation dated June 9, 2014, description "Sanitary Loading," is attached. Their review finds that the 6-inch sanitary main, if at a minimum 2% slope, has adequate handling capacity for the project at full build-out. The actual existing pipe slopes are likely 3% or greater following the existing grades.

As a facility within the sewershed of the Binghamton-Johnson City Joint Sewage Treatment Plant (Treatment Plant), more particularly I/I Remediation Basins TU-4 and JC 001, a "Binghamton-Johnson City Joint Sewage Board Application for New or Modified Sewer Connection Permit" was completed as requested (see attached). However, upon further review of the "Rules and Regulations Relating to Use of the Binghamton-Johnson City Joint Sewage Treatment Plant," and Declaratory Ruling resolution #2013-1 of the Joint Sewage Board it was determined that the proposed project does not require a formal application for permit nor any action in Part II of the application.

Article 12 "New or Modified Sewer Connection Application Program" of the "Rules and Regulations Relating to Use of the Binghamton-Johnson City Joint Sewage Treatment Plant" controls sewer flow to the Treatment Plant. The New or Modified Sewer Connection Application Program evaluates the effects of "New or Modified" sewer connections. Article 12 defines "New or Modified Sewer Connection," which was further clarified by Declaratory Ruling Resolution #2013-1 such that only a physical alteration of the connection between the property and the sewer pipe owned by the Owner or Municipal User constitutes a "new or modified sewer

connection.” (“Owner” is defined as the City of Binghamton and Village of Johnson City.) In this instance, the Traditions Resort & Casino is completely on private lands and will make connection to their private, 6-inch SDR35 sewer main on-site. This project does not constitute a “new or modified sewer connection” therefore it does not require formal application.

By definition the project is also not a sewer extension of Publicly Owned Treatment Works (POTW).

I have signed/sealed this letter which encompasses the entire package submitted herein.

Please feel free to contact me with any questions or concerns. Thank you.

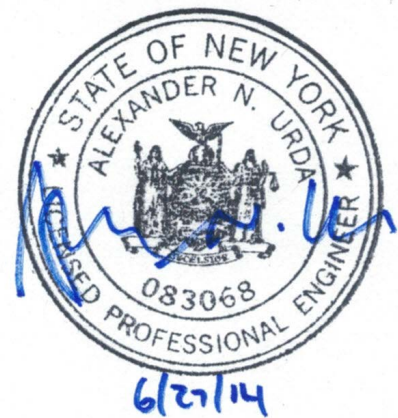
Sincerely,

Urda Engineering, PLLC

Alexander N. Urda, P.E., CPESC
Owner/Professional Engineer

Enclosures

Cc. Bob Bennett, P.E. (V) Johnson City
Bill Walsh



Project **Traditions at the Glen**
Description **Updated Sanitary Design Flows**
Calculated by **TAC**
Date **6/23/14**

Existing Hotel/Spa = **7,000 gal/day**

Design Flow Rate Based on NYS Waste Treatment Standards

Phase 1 – Casino

First Floor Gaming Area: 1200 slot machines, 40 tables, 10 poker

Estimated Occupant Load:

Sports Bar: 170 Guests x 35 gal/seat x 80% diversity = 4,760 gal/day

Casino Area: 3908 guests/day x 5 gal/person x 80% diversity = 15,632 gal/day

Casino/Sports Bar Staff for a 24 hr time frame: 220 staff x 15 gal/person = 3,300 gal/day

Second Floor: Restaurant and Office area

Estimated Occupant Load:

Restaurant: 200 guests x 50 gal/seat x 80% diversity = 8,000 gal/day

Restaurant/Office Staff: 15 people x 15 gal/day = 225 gal/day

Total Guest Occupant Load = 3908 guests/day

Total Staff Occupant Load = 235 people/day

Total Estimated Sanitary Flow = **31,917 gal/day**

Phase 2 – Hotel & Conference Center

Estimated Occupant Load:

160 guest rooms x 120 gal/room = 19,200 gal/day

Hotel Staff for a 24 hr time frame: 40 staff x 15 gal/person = 600 gal/day

Total Estimated Sanitary Flow = **19,800 gal/day**

Total Estimated Sanitary Flow for both Phases = 51,717 gal/day
+ 7,000 gal/day Existing Hotel
58,717 gal/day

AN ISO 9001:2008 CERTIFIED COMPANY

Estimated Sanitary Loads: Represents the total fixture sanitary load within the building. Refer to the attached work sheets. The design of the sanitary system utilizes fixture units to size the system.

The existing hotel bldg has an estimated fixture load of 400 FU's

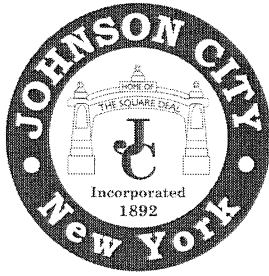
The proposed Casino addition would have an estimated fixture load of 280 FU's

The proposed hotel addition would have an estimated fixture load of 1200 FU's

The estimated fixture loads represent the total quantity of fixtures within each building. It is assumed that the majority of the sanitary load (New and Existing Hotel) would be in the morning while the casino would be spread over the course of the day.

The existing site 6" sanitary system at 2% slope has an estimated capacity of 363 gpm. If the existing system has a greater slope (3%) then the capacity of the 6" sanitary would be approximately 514 gpm.

Based on estimated water consumption for each building, (Exist Hotel, New Hotel, and Casino) the estimated water usage would be approximately 285 gpm



PLANNING DEPARTMENT
VILLAGE OF JOHNSON CITY

MUNICIPAL BUILDING
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**BINGHAMTON – JOHNSON CITY JOINT SEWAGE BOARD
 APPLICATION FOR NEW OR MODIFIED SEWER CONNECTION PERMIT**

1. Applicant

WALSH & SONS CONSTRUCTION, CORP.

Name

607.729.0670

Telephone[s]

200 Plaza Drive, Suite A, Vestal, NY 13850

Street Address (and, if different, Mailing Address)

607.729.5149

Fax (or "NONE" if no Fax #)

b.walsh@walshandsons.com

e-mail (or "NONE" if no e-mail)

142.07-1-9-1, 142.11-2-16

142.02-1-20, 126.04-1-10.111

142.11-2-14

Parcel ID No.

2. Project Location

4101, 4207, 4300, & 4311 Watson Boulevard

(Building and sewer improvements are on 4101 Watson Boulevard)

Address

TU-4, JC 001

I/I Remediation Basin

3. Estimated Date for Completion and/or Occupancy

Ph.1 12/2016; Ph.2 12/2017

Date

FLOW & FEE/CREDIT WORKSHEET (Attach supporting Engineering Report if more than +2,500 gpd net flow change)

Part I

Source of Flow (check all that apply)	Unit Flow Rate	No. of Units	Peaking Factor	Total Flow Rate (gpd)
<input checked="" type="checkbox"/> Pre-Application Flow (if applicable)				7,000
<input type="checkbox"/> Residential (people)		X	X	N/A
<input type="checkbox"/> Commercial/Office Bldg (employees)		X	X	N/A
<input type="checkbox"/> Restaurant (employees + seats)		X	X	N/A (see below)
<input checked="" type="checkbox"/> Industrial or Other Sources (Stores, Motels and Hotels, Recreational Facilities, etc) Resort & Casino				Ph. 1 Casino: 39,957 Ph. 2 Hotel/Misc.: 19,800

Flow rate to be determined based on accepted standards for similar industry or business type and size.

PART II (check A or B) -- ONLY APPLICABLE IF NET FLOW CHANGE EXCEEDS A POSITIVE 2,500 gpd. NET = 66,757 gpd

A. Purchase / Acquire Flow Credits (Fees in Lieu of Mitigation) Yes or No (**See attached letter. Use of credits is NOT anticipated.)

B. Earn Flow Credits (I/I Remediation Agreement for Developers / Builders only) Yes or No
 Applicant agrees to carry-out or fund acceptable I/I Remediation Project(s) under the terms and conditions of the I/I Offset Program to earn flow credits at the time new/modified sewer construction is certified as complete.

BY SIGNING BELOW, THE UNDERSIGNED ATTESTS ON BEHALF OF THE APPLICANT THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND COMPLETE TO THE BEST OF THE APPLICANT'S KNOWLEDGE AND BELIEF.

William Walsh

William Walsh, Owner

June 9, 2014

Applicant Signature

(print name and title of person signing below)

Date

**BINGHAMTON – JOHNSON CITY JOINT SEWAGE BOARD
APPLICATION FOR NEW OR MODIFIED SEWER CONNECTION PERMIT
(continued)**

PRINCIPAL MUNICIPAL USER PERMIT APPROVAL / APPROVAL-with-CONDITIONS / DISAPPROVED

TOWN OF UNION

A new or modified sewer connection for this Applicant has been granted
Approval or **Approval-with-Conditions** or is **Disapproved**

Municipality in Which Parcel is
Located

(circle one that applies and strike
the ones that do not apply)

Notes for Condition(s) (if any)

Name and Title (printed):

Signature

Date

**INTERMEDIATE MUNICIPAL USER PERMIT APPROVAL/ APPROVAL-with-CONDITIONS
(IF APPLICABLE)**

A new or modified sewer connection for this Applicant has been granted
Approval or **Approval-with-Conditions**

Municipality Affected by
Connection (if applicable)

(circle one that applies and strike
the one that does not apply)

Notes for Condition(s) (if any)

Name and Title (printed):

Signature

Date

AFFECTED OWNER PERMIT APPROVAL/ APPROVAL-with-CONDITIONS

A new or modified sewer connection for this Applicant has been granted
Approval or **Approval-with-Conditions**

Municipality Owning CSO

(circle one that applies and strike
the one that does not apply)

Notes for Condition(s) (if any)

Name and Title (printed):

Signature

Date

JOINT SEWAGE BOARD PERMIT CONTINGENT APPROVAL/ APPROVAL-with-CONDITIONS

Contingent Approval or **Approval-with-Conditions** of a new or modified
sewer connection for this Applicant. New or modified sewer connection permit
approved contingent upon the issuance of a Flow Credit Note for _____ gpd
flow credits.

Municipality Affected by
Connection (if applicable)

(circle one that applies and strike
the one that does not apply)

Notes for Condition(s) (if any)

Name and Title (printed):

Signature

Date

Signature of Reviewer

Date