



**TOWN OF NEWBURGH
PLANNING BOARD
TECHNICAL REVIEW COMMENTS**

PROJECT NAME: ADS PROPERTIES CAR WASH
PROJECT NO.: 2021-04
PROJECT LOCATION: SECTION 95, BLOCK 1, LOT 14.1
REVIEW DATE: 28 JANUARY 2022
MEETING DATE: 3 FEBRUARY 2022
PROJECT REPRESENTATIVE: PIETRZAK & PFAU

1. Status of the NYSDOT review and approval of the access drive and deceleration lane should be received.
2. Details of the connection to the Town's water system are required.
3. Security for Stormwater Erosion and Sediment Control and landscaping will be required. Cost estimates for those items should be submitted for review. Town Board review of the cost estimates is required prior to posting of the security.

Respectfully submitted,

MHE Engineering, D.P.C.

A handwritten signature in dark blue ink, appearing to read 'Patrick J. Hines'.

Patrick J. Hines
Principal

PJH/dns

NEW YORK OFFICE

33 Airport Center Drive, Suite 202, New Windsor, NY 12553
845-567-3100 | F: 845-567-3232 | mheny@mhepc.com

PENNSYLVANIA OFFICE

111 Wheatfield Drive, Suite 1, Milford, PA 18337
570-296-2765 | F: 570-296-2767 | mhepa@mhepc.com

James VanDerWiele
Sergeant Sudz, LLC
Montgomery, NY 12549

Re: Automated Stacking

James,

Helios Engineering is pleased to present the following information for your review and consideration. The letter details the proposed topic of automated vehicle stacking.

General Information

Utilizing an electrical automation system, the car wash automated stacking can alter as needed. Sensor detection would look for vehicles in specific locations. As the overall number of cars stacked in location increases the conveyor system can proportionally increase as needed through the control of the conveyor's variable frequency drive (VFD). Using a PLC in conjunction with the system's components would allow for different stacking plans and altering the conveyor speeds to match.

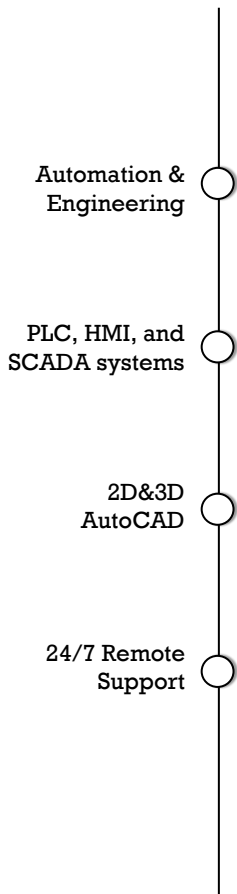
Alternative stacking plan:

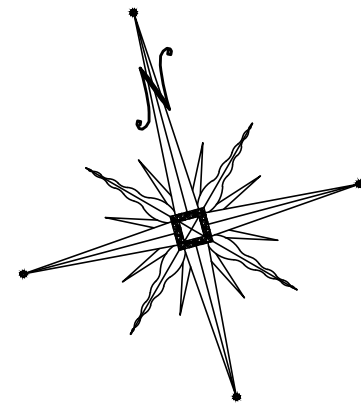
- Internal PLC timer based off of signal from last loop triggered
- Exit gate and vacuum area gate can open in accordance with the trigger and timer
- A digital sign or light stack can be controlled to redirect the flow of traffic
 - Sign can be a simple 'on/off' control, or multi-colored light stack that follows a detailed stacking order
- Text and/or emails can be generated to notify the necessary individuals the status
 - Can be integrated at all WashCo sites
 - Allows everyone to have immediate notification for ongoing changes
 - Texting and email services require network connectivity to the electrical control system's PLC

General Conditions

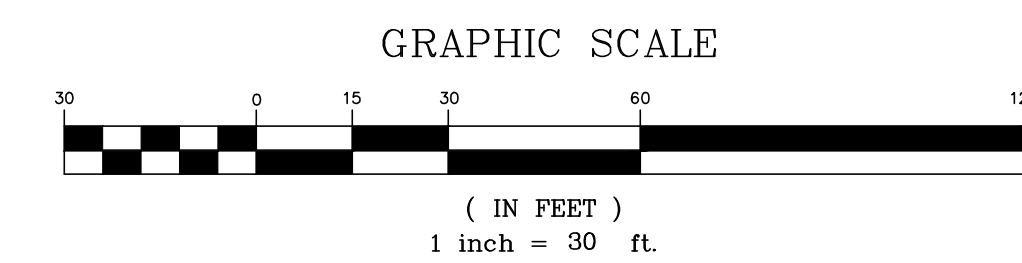
The system can be coupled with a human machine interface (HMI) that would allow specific operators to change the stacking plan timers if necessary. This can be secured by requiring a password access input before any alterations can be made.

Respectfully,
Kyle Sanders
Helios Engineering





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 before you dig



11-20-21	ORIGINAL PREPARATION DATE	NR
DATE	DESCRIPTION	INITIALS
REVISIONS		
MAP CHECK DATE: 00/00/00	INITIALED BY: --	

PIETRZAK & PFAU
 ENGINEERING & SURVEYING, PLLC
 282 GREENWICH AVENUE, SUITE A GOSHEN, NEW YORK 10824 (845) 234-0806
 2 HAMILTON AVENUE MONTICELLO, NEW YORK 12701 (845) 796-4848

JOSEPH J. PFAU P.E. LICENSE NO. 068945
 MICHAEL F. CERRIGAN P.L.S. LICENSE NO. 060323
 VINCENT A. PIETRZAK P.E., P.L.S., TESP CAP
 P.E. LICENSE NO. 078538 P.L.S. LICENSE NO. 050075
 N.Y.P.L.S. LICENSE NO. 383396

SIGNATURE _____ DATE _____

ADS PROPERTIES, LLC
CAR WASH
 TOWN OF NEWBURGH
 COUNTY OF ORANGE, NEW YORK

PROJECT TITLE
**POTENTIAL
 TURN LANE**
 SECTION 95 BLOCK 1 LOT 14.1

DRAWING TITLE

UNAUTHORIZED ALTERATION OR ADDITION TO A PLAN BEARING A LICENSED LAND SURVEYOR'S OR PROFESSIONAL ENGINEER'S SEAL IS A VIOLATION OF SECTION 7209, SUB-DIVISION 3 OF THE N.Y. STATE EDUCATION LAW.

O.C.H.D. SHEET NO. N/A OF N/A	D.E.C. SHEET NO. N/A OF N/A	DRAWING NUMBER 1 OF 1
SCALE 1"=30'	CAD REFERENCE 31102.01 ENGBASE	PROJECT NUMBER 31102.01