



ERIE COUNTY WATER AUTHORITY INTEROFFICE MEMORANDUM

October 25, 2021

TO: Terrence McCracken, Secretary to the Authority
Mark S. Carney, Esq., Attorney

FROM: Steven W. Denzler, P.E., LEED BD&C *SWD*

SUBJECT: Niagara Falls Blvd. Pavement Rehabilitation
Erie County
PIN 5814.37
ECWA File No.: HWNY-651-2101
ECWA Proj. No.: 202100246

The attached referenced documents are prepared by the New York State Department of Transportation (NYSDOT) because they will be performing roadway improvements that will impact ECWA facilities. NYSDOT will be adjusting valve box elevations in the Towns of Amherst and Tonawanda as a part of this project. The NYSDOT will do the identified adjustments to ECWA facilities at no cost to the Authority. The HC 140 and Certified Resolution will confirm the process.

Attached are four (4) copies of the NYSDOT HC 140 form for the above project. A Certified Resolution (4 copies) by the Board and signature of the appropriate Authority Official are required. Four (4) copies of the HC 140 and Certified Resolution are to be returned with original signatures and seals affixed to the NYSDOT per the cover letter. The NYSDOT is requesting return of the documents by November 19, 2021.

The HC 140 references two items that must be included in the ECWA Board Resolution:

“Granting the State of New York authority to perform the adjustment for the owner” and “agreeing to maintain facilities adjusted via State-let contract.”

(The specific reference is identified in Section VI of the HC140, page 4 of 4.)

If there are any questions, please contact me.

SWD: lal

P:\HWNY\P202100246\Memo01.docx

ERIE COUNTY WATER AUTHORITY
AUTHORIZATION FORM
For Approval/Execution of Documents
(check which apply)

Contract: _____ **Project No.:** 202100246
Project Description: Niagara Falls Blvd. Pavement Rehabilitation, Erie County, PIN 5814.37
D264643

Item Description:






☐ Agreement ☐ Professional Service Contract ☐ Amendment ☐ Change Order
☐ BCD ☒ NYSDOT Agreement HC140 ☐ Contract Documents ☐ Addendum
☐ Recommendation for Award of Contract ☐ Recommendation to Reject Bids
☐ Request for Proposals
☐ Other _____

Action Requested:

☒ Board Authorization to Execute ☒ Legal Approval
☐ Board Authorization to Award ☐ Execution by the Chairman
☐ Board Authorization to Advertise for Bids ☐ Execution by the Secretary to the Authority
☐ Board Authorization to Solicit Request for Proposals
☐ Other _____

Approvals Needed:

APPROVED AS TO CONTENT:

<input checked="" type="checkbox"/> Sr Distribution Engineer		Date: 10/26/2021
<input checked="" type="checkbox"/> Chief Operating Officer		Date: 10/26/21
<input checked="" type="checkbox"/> Executive Engineer		Date: 10/26/2021
<input type="checkbox"/> Director of Administration	_____	Date: _____
<input type="checkbox"/> Risk Manager	_____	Date: _____
<input checked="" type="checkbox"/> Chief Financial Officer		Date: 10/26/2021
<input checked="" type="checkbox"/> Legal		Date: 1/2/2021

APPROVED FOR BOARD RESOLUTION:

<input checked="" type="checkbox"/> Secretary to the Authority		Date: 11/2/21
--	--	---------------

Remarks: Adjustment of ECWA facilities (water valve box elevations) under contract item

Resolution Date: _____ **Item No:** _____



October 14, 2021

Leonard F. Kowalski, P.E., Executive Engineer
Erie County Water Authority
3030 Union Road
Cheektowaga, New York 14227

**RE: US ROUTE 62 NIAGARA FALLS BOULEVARD, SH-5193
NY 324 SHERIDAN DRIVE TO GREEN ACRES ROAD
TOWN OF AMHERST AND TONAWANDA
ERIE COUNTY
PIN 5814.37, D264643**

Dear Mr. Kowalski:

Enclosed is an electronic copy of the proposed contract plans for the above-referenced project. Erie County Water Authority has existing facilities within the project limits. Erie County Water Authority's involvement in this project consists of adjustments of valve box elevations. The details of the adjustment are shown in the project plans included with this letter.

Also enclosed are the Utility Work Agreement (HC-140) and the Coordination with the Utility Schedule note. Each of the four (4) HC-140 forms must be duly approved by an authorized representative of Erie County Water Authority. **Work included in the State's contract and performed by the State contractor will be done at no expense to the Erie County Water Authority.**

The HC-140 agreement requires four (4) copies of a Certified Resolution by your governing body. Enclosed is a sample of the Certified Resolution for this agreement. The resolution is required before the agreement can be approved by the Erie County Water Authority. Each copy of the resolution must be signed and have a seal affixed to it.

Please return the four (4) original (hard-copy) sets of the HC-140 agreement signed by the authorized representative, Coordination with the Utility Schedule note, and Certified Resolution, to NYSDOT, Attn: Regional Utilities Unit, 100 Seneca Street, Buffalo, New York 14203 **no later than November 19, 2021**. One (1) copy of the executed agreement will be returned for your records.

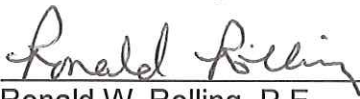
Any questions regarding the work to be done can be directed to John Wentz, Design Job Manager (DJM), at (716) 847-5258 or via e-mail at John.Wentz@dot.ny.gov. Questions

Leonard F. Kowalski, P.E., Executive Engineer
PIN 5814.37
October 13, 2021
Page 2 of 2

regarding these forms can be directed to Mr. Ronald Rolling, Regional Utility Engineer, at (716) 847-3954 or via e-mail at Ronald.Rolling@dot.ny.gov.

Sincerely,

Renjit P. James, P.E.
Acting Assistant Regional Design Engineer

By: 
Ronald W. Rolling, P.E.
Regional Utility Engineer

RPJ/RWR/EJSC/AJP/jlg

Enclosures: Project Plans, Utility Work Agreement (HC-140), Coordination with the Utility
Schedule note, and sample Certified Resolution

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

Since the construction, reconstruction, or maintenance of the transportation project described below, identified as:

Project Identification No.: 5814.37	F.A. Project No.:
ROW Declaration No.:	Map Nos.:
Parcel Nos.:	County of Erie
Contract No.: D264643	

Project Description: US ROUTE 62 NIAGARA FALLS BOULEVARD, SH5193
NY 324 SHERIDAN DRIVE TO GREEN ACRES ROAD
TOWN OF AMHERST AND TONAWANDA
ERIE COUNTY

State – Municipality, Reimbursable by Items and Labor Exchange (ILE)

necessitates the adjustment of utility facilities as hereinafter described, the owner, **Erie County Water Authority**, of said facilities herewith agrees with the State of New York acting through the Commissioner of Transportation that this agreement shall apply to the accommodation of these utility facilities. Any adjustment of said facilities will be accomplished under the terms of this agreement, in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way, in compliance with the attached Special Note, "Coordination with the Utility Schedule", and in accordance with the contract plans, specifications, proposal, amendment(s) or change order(s).

I. Existing Facilities (describe type, size, capacity, location, etc.)

Erie County Water Authority has existing 8" and 12" waterline on the east side within the highway boundary of NY 62 (Niagara Falls Boulevard).

presently located on **NY State Right-of-Way** as shown on the plans for the proposed transportation project are to be adjusted as follows: (describe type, size, capacity, location, etc.)

Adjustment of valve box elevations.

per contract documents

for an estimated \$ N/A

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

II. Financial Responsibility (check appropriate boxes):

- ☐ The facilities to be adjusted under the terms of this agreement are subject to Section 52 of the State Highway Law, and the cost of this adjustment is the sole responsibility of the owner.
- ☒ Subdivision 24 of Section 10 of the State Highway Law enables the Commissioner of Transportation to provide, at the expense of the State, for adjustment to a municipally owned utility when such work is necessary as a result of State highway work. (Municipal Agreement if required.)
- ☐ Subdivision 24-b of Section 10 of the State Highway Law enables the Commissioner of Transportation to participate in the necessary expenses incurred for adjustment of privately, publicly, or cooperatively owned facilities, municipal utility facilities, or facilities of a corporation organized pursuant to the State Transportation Corporations Law. (Privately Owned Property Agreement or Reimbursement Agreement required.)
- ☐ Subdivision 27 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a municipality, to perform for and at the expense of such municipality specified work to be included within a State-let contract. (Betterment Resolution required.)
- ☐ Subdivision 33 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a public utility corporation, to perform for and at the expense of such public utility corporation specified work to be included within a State-let contract.
- ☐ Subdivision 13 of Section 30 of the State Highway Law enables the Commissioner of Transportation to enter into an agreement to reimburse with public funds the owner for necessary expenses incurred as a result of this adjustment, or to replace the facilities in kind.
- ☐ The owner will develop and keep a record of costs in accordance with the New York State Department of Transportation (NYSDOT) Reimbursement Procedures, and when federal funds participate in the cost, the Federal Highway Administration (FHWA) Federal-Aid Policy Guide Part 645, or as indicated below:

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

III. Physical Adjustment Method (check appropriate boxes):

The actual adjustment or design engineering will be performed by the following method (s):

- ☒ Contract let by the Commissioner.
- ☐ Contract let by the Owner. (check applicable statement, i.e., a or b)
 - ☐ a. Best Interests of State.
 - ☐ b. Utility not sufficiently staffed or equipped.
- ☐ By the Owner's forces.

IV. Betterment, Salvage, and Depreciation Credits Due the Project (check appropriate boxes):

- ☒ There will be no extension of service life, improved capacity, nor any other betterment of the facility (as defined by the NYSDOT Utility Reimbursement Procedures and by FHWA Federal-Aid Policy Guide Part 645) as a result of the adjustments made pursuant to this agreement.
- ☐ There is betterment described as follows:

- ☐ The owner will not claim reimbursement for that betterment portion of the work, but will duly account for it as required by applicable NYSDOT and FHWA procedures.
- ☐ The owner hereby agrees to deposit with the Comptroller of the State of New York the amount of \$_____ to cover the cost of the betterment as described above.
- ☐ The owner agrees to comply with the requirements of the NYSDOT Utility Reimbursement Procedure and FHWA Federal-Aid Policy Guide Part 645 with the respect to salvage and depreciation credits when applicable.

V. General Covenants

The owner hereby agrees to accept full title and responsibility for the adjusted facility in writing upon satisfactory completion of the work. Such acceptance will acknowledge the owner's responsibility to maintain the facility in accordance with all applicable codes, standards and regulations, including his obligation, where applicable, to remove any or all of the facility from the highway at the order of the Commissioner of Transportation, all in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way. All compensable claims covered by this agreement will be included in one of the following:

- A. Privately Owned Property Agreement executed prior to the performance of the work.
- B. Municipal Agreement executed prior to performance of the work.
- C. Reimbursement Agreement executed prior to performance of the work.
- D. Such other agreement as approved by NYSDOT Office of Legal Affairs.

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

VI. References

The following documents are herewith incorporated in this agreement be reference (check appropriate boxes)

☒ Federal Highway Administration's Federal-Aid Policy Guide Part 645.

☒ Contract documents: Contract Number: D264643

PIN: 5814.37

Plan Sheets No.: Electronic copy of the proposed contract plans

☐ Owner's Plan Sheets _____

☐ Owner's Estimate Sheets Form No. FIN 223c

☒ Resolution dated _____, by _____

☒ Granting the State of New York authority to perform the adjustment for the owner.

☒ Agreeing to maintain facilities adjusted via State-let contract.

☐ Authorizing deposit of funds by the owner.

☒ Certification by the owner or his agent that he has the legal authority to enter into this agreement.

(Print/Type Name) Owner or Agent	(Signature)	Title	Date
----------------------------------	-------------	-------	------

Neil Sergott, P.E. For the NYSDOT Commissioner of Transportation	Statewide Utility Engineer Title	Date
---	-------------------------------------	------

SPECIAL NOTE**COORDINATION WITH THE UTILITY SCHEDULE**

The contractor must coordinate their schedule of operations with the various utility owners involved with the project and shall verify utility information found in the contract documents. Utility revisions required by the various utility owners in connection with this project include:

Erie County Water Authority**Utility Owner's Field Contact:**

Leonard F. Kowalski, P.E., Executive Engineer
Erie County Water Authority
3030 Union Road
Cheektowaga, New York 14227
D: (716) 685-8220
O: (716) 684-1510
C: (716) 341-1137
F: (716) 684-8397
lkowalski@ecwa.org

Erie County Water Authority has existing 8" and 12" water line on east side, within the highway boundary of NY 62 (Niagara Falls Blvd.)

Reimbursable work to be done by the State's contractor:

The project requires the following work to be done at this location, per details in the contract documents:

Adjustment of valve box elevations (During Construction.)

The work is to be done by the State's contractor and paid by contract items.

The State's Engineer-In-Charge, in coordination with the State's contractor, shall notify the Erie County Water Authority in writing **2 weeks** before commencing work on their facilities at each location and for each occurrence of work.

The State's Engineer-In-Charge will provide record plans to the Erie County Water Authority.

Additional Notes

1. The Contractor is governed by and must adhere to the provisions of 16 NYCRR Part 753 (Protection of Underground Facilities).
2. The State's contractor shall verify utility information found in the contract documents. The State's contractor shall notify the State's Engineer-In-Charge of any discrepancies that are found.
3. In addition to the above-itemized facility adjustments, other adjustments may become necessary during the construction phase as a result of more precise location data or other changes that might develop.
4. The Standard Specifications shall apply to all utility facility adjustments.
5. Any additional adjustments shall be performed by the utility owners and/or the State's contractor upon direction by the State's Engineer-In-Charge.
6. Notify the utility owner's field contact identified in this note three (3) business days prior to beginning work near the utility owner's facilities. Particularly if there will be incursion into the facilities' tolerance zone.

7. Any unintentional contact with a utility facility must be immediately reported to the utility owner's field contact. The field contact must give approval before work can continue.
8. Suitable time frames for additional adjustments shall be coordinated between the State's Engineer-In-Charge, the State's contractor, and the affected utility owners. Such timeframes shall not be included within previously established time frames.

END OF COORDINATION WITH THE UTILITY SCHEDULE

Revised 2021 July 29 - EJSC

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

Since the construction, reconstruction, or maintenance of the transportation project described below, identified as:

Project Identification No.: 5814.37	F.A. Project No.:
ROW Declaration No.:	Map Nos.:
Parcel Nos.:	County of Erie
Contract No.: D264643	

Project Description: US ROUTE 62 NIAGARA FALLS BOULEVARD, SH5193
NY 324 SHERIDAN DRIVE TO GREEN ACRES ROAD
TOWN OF AMHERST AND TONAWANDA
ERIE COUNTY

State – Municipality, Reimbursable by Items and Labor Exchange (ILE)

necessitates the adjustment of utility facilities as hereinafter described, the owner, **Erie County Water Authority**, of said facilities herewith agrees with the State of New York acting through the Commissioner of Transportation that this agreement shall apply to the accommodation of these utility facilities. Any adjustment of said facilities will be accomplished under the terms of this agreement, in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way, in compliance with the attached Special Note, "Coordination with the Utility Schedule", and in accordance with the contract plans, specifications, proposal, amendment(s) or change order(s).

I. Existing Facilities (describe type, size, capacity, location, etc.)

Erie County Water Authority has existing 8" and 12" waterline on the east side within the highway boundary of NY 62 (Niagara Falls Boulevard).

presently located on **NY State Right-of-Way** as shown on the plans for the proposed transportation project are to be adjusted as follows: (describe type, size, capacity, location, etc.)

Adjustment of valve box elevations.

per contract documents

for an estimated \$ N/A

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

II. Financial Responsibility (check appropriate boxes):

- ☐ The facilities to be adjusted under the terms of this agreement are subject to Section 52 of the State Highway Law, and the cost of this adjustment is the sole responsibility of the owner.
- ☒ Subdivision 24 of Section 10 of the State Highway Law enables the Commissioner of Transportation to provide, at the expense of the State, for adjustment to a municipally owned utility when such work is necessary as a result of State highway work. (Municipal Agreement if required.)
- ☐ Subdivision 24-b of Section 10 of the State Highway Law enables the Commissioner of Transportation to participate in the necessary expenses incurred for adjustment of privately, publicly, or cooperatively owned facilities, municipal utility facilities, or facilities of a corporation organized pursuant to the State Transportation Corporations Law. (Privately Owned Property Agreement or Reimbursement Agreement required.)
- ☐ Subdivision 27 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a municipality, to perform for and at the expense of such municipality specified work to be included within a State-let contract. (Betterment Resolution required.)
- ☐ Subdivision 33 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a public utility corporation, to perform for and at the expense of such public utility corporation specified work to be included within a State-let contract.
- ☐ Subdivision 13 of Section 30 of the State Highway Law enables the Commissioner of Transportation to enter into an agreement to reimburse with public funds the owner for necessary expenses incurred as a result of this adjustment, or to replace the facilities in kind.
- ☐ The owner will develop and keep a record of costs in accordance with the New York State Department of Transportation (NYSDOT) Reimbursement Procedures, and when federal funds participate in the cost, the Federal Highway Administration (FHWA) Federal-Aid Policy Guide Part 645, or as indicated below:

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

III. Physical Adjustment Method (check appropriate boxes):

The actual adjustment or design engineering will be performed by the following method (s):

- ☒ Contract let by the Commissioner.
- ☐ Contract let by the Owner. (check applicable statement, i.e., a or b)
 - ☐ a. Best Interests of State.
 - ☐ b. Utility not sufficiently staffed or equipped.
- ☐ By the Owner's forces.

IV. Betterment, Salvage, and Depreciation Credits Due the Project (check appropriate boxes):

- ☒ There will be no extension of service life, improved capacity, nor any other betterment of the facility (as defined by the NYSDOT Utility Reimbursement Procedures and by FHWA Federal-Aid Policy Guide Part 645) as a result of the adjustments made pursuant to this agreement.
- ☐ There is betterment described as follows:

- ☐ The owner will not claim reimbursement for that betterment portion of the work, but will duly account for it as required by applicable NYSDOT and FHWA procedures.
- ☐ The owner hereby agrees to deposit with the Comptroller of the State of New York the amount of \$_____ to cover the cost of the betterment as described above.
- ☐ The owner agrees to comply with the requirements of the NYSDOT Utility Reimbursement Procedure and FHWA Federal-Aid Policy Guide Part 645 with the respect to salvage and depreciation credits when applicable.

V. General Covenants

The owner hereby agrees to accept full title and responsibility for the adjusted facility in writing upon satisfactory completion of the work. Such acceptance will acknowledge the owner's responsibility to maintain the facility in accordance with all applicable codes, standards and regulations, including his obligation, where applicable, to remove any or all of the facility from the highway at the order of the Commissioner of Transportation, all in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way. All compensable claims covered by this agreement will be included in one of the following:

- A. Privately Owned Property Agreement executed prior to the performance of the work.
- B. Municipal Agreement executed prior to performance of the work.
- C. Reimbursement Agreement executed prior to performance of the work.
- D. Such other agreement as approved by NYSDOT Office of Legal Affairs.

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

VI. References

The following documents are herewith incorporated in this agreement be reference (check appropriate boxes)

☒ Federal Highway Administration's Federal-Aid Policy Guide Part 645.

☒ Contract documents: Contract Number: D264643

PIN: 5814.37

Plan Sheets No.: Electronic copy of the proposed contract plans

☐ Owner's Plan Sheets _____

☐ Owner's Estimate Sheets Form No. FIN 223c

☒ Resolution dated _____, by _____

☒ Granting the State of New York authority to perform the adjustment for the owner.

☒ Agreeing to maintain facilities adjusted via State-let contract.

☐ Authorizing deposit of funds by the owner.

☒ Certification by the owner or his agent that he has the legal authority to enter into this agreement.

(Print/Type Name) Owner or Agent	(Signature)	Title	Date
----------------------------------	-------------	-------	------

Neil Sergott, P.E. For the NYSDOT Commissioner of Transportation	Statewide Utility Engineer Title	Date
---	-------------------------------------	------

SPECIAL NOTE**COORDINATION WITH THE UTILITY SCHEDULE**

The contractor must coordinate their schedule of operations with the various utility owners involved with the project and shall verify utility information found in the contract documents. Utility revisions required by the various utility owners in connection with this project include:

Erie County Water Authority**Utility Owner's Field Contact:**

Leonard F. Kowalski, P.E., Executive Engineer
Erie County Water Authority
3030 Union Road
Cheektowaga, New York 14227
D: (716) 685-8220
O: (716) 684-1510
C: (716) 341-1137
F: (716) 684-8397
lkowalski@ecwa.org

Erie County Water Authority has existing 8" and 12" water line on east side, within the highway boundary of NY 62 (Niagara Falls Blvd.)

Reimbursable work to be done by the State's contractor:

The project requires the following work to be done at this location, per details in the contract documents:

Adjustment of valve box elevations (During Construction.)

The work is to be done by the State's contractor and paid by contract items.

The State's Engineer-In-Charge, in coordination with the State's contractor, shall notify the Erie County Water Authority in writing **2 weeks** before commencing work on their facilities at each location and for each occurrence of work.

The State's Engineer-In-Charge will provide record plans to the Erie County Water Authority.

Additional Notes

1. The Contractor is governed by and must adhere to the provisions of 16 NYCRR Part 753 (Protection of Underground Facilities).
2. The State's contractor shall verify utility information found in the contract documents. The State's contractor shall notify the State's Engineer-In-Charge of any discrepancies that are found.
3. In addition to the above-itemized facility adjustments, other adjustments may become necessary during the construction phase as a result of more precise location data or other changes that might develop.
4. The Standard Specifications shall apply to all utility facility adjustments.
5. Any additional adjustments shall be performed by the utility owners and/or the State's contractor upon direction by the State's Engineer-In-Charge.
6. Notify the utility owner's field contact identified in this note three (3) business days prior to beginning work near the utility owner's facilities. Particularly if there will be incursion into the facilities' tolerance zone.

7. Any unintentional contact with a utility facility must be immediately reported to the utility owner's field contact. The field contact must give approval before work can continue.
8. Suitable time frames for additional adjustments shall be coordinated between the State's Engineer-In-Charge, the State's contractor, and the affected utility owners. Such timeframes shall not be included within previously established time frames.

END OF COORDINATION WITH THE UTILITY SCHEDULE

Revised 2021 July 29 - EJSC

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

Since the construction, reconstruction, or maintenance of the transportation project described below, identified as:

Project Identification No.: 5814.37	F.A. Project No.:
ROW Declaration No.:	Map Nos.:
Parcel Nos.:	County of Erie
Contract No.: D264643	

Project Description: US ROUTE 62 NIAGARA FALLS BOULEVARD, SH5193
NY 324 SHERIDAN DRIVE TO GREEN ACRES ROAD
TOWN OF AMHERST AND TONAWANDA
ERIE COUNTY

State – Municipality, Reimbursable by Items and Labor Exchange (ILE)

necessitates the adjustment of utility facilities as hereinafter described, the owner, **Erie County Water Authority**, of said facilities herewith agrees with the State of New York acting through the Commissioner of Transportation that this agreement shall apply to the accommodation of these utility facilities. Any adjustment of said facilities will be accomplished under the terms of this agreement, in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way, in compliance with the attached Special Note, "Coordination with the Utility Schedule", and in accordance with the contract plans, specifications, proposal, amendment(s) or change order(s).

I. Existing Facilities (describe type, size, capacity, location, etc.)

Erie County Water Authority has existing 8" and 12" waterline on the east side within the highway boundary of NY 62 (Niagara Falls Boulevard).

presently located on **NY State Right-of-Way** as shown on the plans for the proposed transportation project are to be adjusted as follows: (describe type, size, capacity, location, etc.)

Adjustment of valve box elevations.

per contract documents

for an estimated \$ N/A

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

II. Financial Responsibility (check appropriate boxes):

- ☐ The facilities to be adjusted under the terms of this agreement are subject to Section 52 of the State Highway Law, and the cost of this adjustment is the sole responsibility of the owner.
- ☒ Subdivision 24 of Section 10 of the State Highway Law enables the Commissioner of Transportation to provide, at the expense of the State, for adjustment to a municipally owned utility when such work is necessary as a result of State highway work. (Municipal Agreement if required.)
- ☐ Subdivision 24-b of Section 10 of the State Highway Law enables the Commissioner of Transportation to participate in the necessary expenses incurred for adjustment of privately, publicly, or cooperatively owned facilities, municipal utility facilities, or facilities of a corporation organized pursuant to the State Transportation Corporations Law. (Privately Owned Property Agreement or Reimbursement Agreement required.)
- ☐ Subdivision 27 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a municipality, to perform for and at the expense of such municipality specified work to be included within a State-let contract. (Betterment Resolution required.)
- ☐ Subdivision 33 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a public utility corporation, to perform for and at the expense of such public utility corporation specified work to be included within a State-let contract.
- ☐ Subdivision 13 of Section 30 of the State Highway Law enables the Commissioner of Transportation to enter into an agreement to reimburse with public funds the owner for necessary expenses incurred as a result of this adjustment, or to replace the facilities in kind.
- ☐ The owner will develop and keep a record of costs in accordance with the New York State Department of Transportation (NYSDOT) Reimbursement Procedures, and when federal funds participate in the cost, the Federal Highway Administration (FHWA) Federal-Aid Policy Guide Part 645, or as indicated below:

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

III. Physical Adjustment Method (check appropriate boxes):

The actual adjustment or design engineering will be performed by the following method (s):

- ☒ Contract let by the Commissioner.
- ☐ Contract let by the Owner. (check applicable statement, i.e., a or b)
 - ☐ a. Best Interests of State.
 - ☐ b. Utility not sufficiently staffed or equipped.
- ☐ By the Owner's forces.

IV. Betterment, Salvage, and Depreciation Credits Due the Project (check appropriate boxes):

- ☒ There will be no extension of service life, improved capacity, nor any other betterment of the facility (as defined by the NYSDOT Utility Reimbursement Procedures and by FHWA Federal-Aid Policy Guide Part 645) as a result of the adjustments made pursuant to this agreement.
- ☐ There is betterment described as follows:

- ☐ The owner will not claim reimbursement for that betterment portion of the work, but will duly account for it as required by applicable NYSDOT and FHWA procedures.
- ☐ The owner hereby agrees to deposit with the Comptroller of the State of New York the amount of \$_____ to cover the cost of the betterment as described above.
- ☐ The owner agrees to comply with the requirements of the NYSDOT Utility Reimbursement Procedure and FHWA Federal-Aid Policy Guide Part 645 with the respect to salvage and depreciation credits when applicable.

V. General Covenants

The owner hereby agrees to accept full title and responsibility for the adjusted facility in writing upon satisfactory completion of the work. Such acceptance will acknowledge the owner's responsibility to maintain the facility in accordance with all applicable codes, standards and regulations, including his obligation, where applicable, to remove any or all of the facility from the highway at the order of the Commissioner of Transportation, all in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way. All compensable claims covered by this agreement will be included in one of the following:

- A. Privately Owned Property Agreement executed prior to the performance of the work.
- B. Municipal Agreement executed prior to performance of the work.
- C. Reimbursement Agreement executed prior to performance of the work.
- D. Such other agreement as approved by NYSDOT Office of Legal Affairs.

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

VI. References

The following documents are herewith incorporated in this agreement be reference (check appropriate boxes)

☒ Federal Highway Administration's Federal-Aid Policy Guide Part 645.

☒ Contract documents: Contract Number: D264643

PIN: 5814.37

Plan Sheets No.: Electronic copy of the proposed contract plans

☐ Owner's Plan Sheets _____

☐ Owner's Estimate Sheets Form No. FIN 223c

☒ Resolution dated _____, by _____

☒ Granting the State of New York authority to perform the adjustment for the owner.

☒ Agreeing to maintain facilities adjusted via State-let contract.

☐ Authorizing deposit of funds by the owner.

☒ Certification by the owner or his agent that he has the legal authority to enter into this agreement.

(Print/Type Name) Owner or Agent	(Signature)	Title	Date
----------------------------------	-------------	-------	------

Neil Sergott, P.E. For the NYSDOT Commissioner of Transportation	Statewide Utility Engineer Title	Date
---	-------------------------------------	------

SPECIAL NOTE**COORDINATION WITH THE UTILITY SCHEDULE**

The contractor must coordinate their schedule of operations with the various utility owners involved with the project and shall verify utility information found in the contract documents. Utility revisions required by the various utility owners in connection with this project include:

Erie County Water Authority**Utility Owner's Field Contact:**

Leonard F. Kowalski, P.E., Executive Engineer
Erie County Water Authority
3030 Union Road
Cheektowaga, New York 14227
D: (716) 685-8220
O: (716) 684-1510
C: (716) 341-1137
F: (716) 684-8397
lkowalski@ecwa.org

Erie County Water Authority has existing 8" and 12" water line on east side, within the highway boundary of NY 62 (Niagara Falls Blvd.)

Reimbursable work to be done by the State's contractor:

The project requires the following work to be done at this location, per details in the contract documents:

Adjustment of valve box elevations (During Construction.)

The work is to be done by the State's contractor and paid by contract items.

The State's Engineer-In-Charge, in coordination with the State's contractor, shall notify the Erie County Water Authority in writing **2 weeks** before commencing work on their facilities at each location and for each occurrence of work.

The State's Engineer-In-Charge will provide record plans to the Erie County Water Authority.

Additional Notes

1. The Contractor is governed by and must adhere to the provisions of 16 NYCRR Part 753 (Protection of Underground Facilities).
2. The State's contractor shall verify utility information found in the contract documents. The State's contractor shall notify the State's Engineer-In-Charge of any discrepancies that are found.
3. In addition to the above-itemized facility adjustments, other adjustments may become necessary during the construction phase as a result of more precise location data or other changes that might develop.
4. The Standard Specifications shall apply to all utility facility adjustments.
5. Any additional adjustments shall be performed by the utility owners and/or the State's contractor upon direction by the State's Engineer-In-Charge.
6. Notify the utility owner's field contact identified in this note three (3) business days prior to beginning work near the utility owner's facilities. Particularly if there will be incursion into the facilities' tolerance zone.

7. Any unintentional contact with a utility facility must be immediately reported to the utility owner's field contact. The field contact must give approval before work can continue.
8. Suitable time frames for additional adjustments shall be coordinated between the State's Engineer-In-Charge, the State's contractor, and the affected utility owners. Such timeframes shall not be included within previously established time frames.

END OF COORDINATION WITH THE UTILITY SCHEDULE

Revised 2021 July 29 - EJSC

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

Since the construction, reconstruction, or maintenance of the transportation project described below, identified as:

Project Identification No.: 5814.37	F.A. Project No.:
ROW Declaration No.:	Map Nos.:
Parcel Nos.:	County of Erie
Contract No.: D264643	

Project Description: US ROUTE 62 NIAGARA FALLS BOULEVARD, SH5193
NY 324 SHERIDAN DRIVE TO GREEN ACRES ROAD
TOWN OF AMHERST AND TONAWANDA
ERIE COUNTY

State – Municipality, Reimbursable by Items and Labor Exchange (ILE)

necessitates the adjustment of utility facilities as hereinafter described, the owner, **Erie County Water Authority**, of said facilities herewith agrees with the State of New York acting through the Commissioner of Transportation that this agreement shall apply to the accommodation of these utility facilities. Any adjustment of said facilities will be accomplished under the terms of this agreement, in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way, in compliance with the attached Special Note, "Coordination with the Utility Schedule", and in accordance with the contract plans, specifications, proposal, amendment(s) or change order(s).

I. Existing Facilities (describe type, size, capacity, location, etc.)

Erie County Water Authority has existing 8" and 12" waterline on the east side within the highway boundary of NY 62 (Niagara Falls Boulevard).

presently located on **NY State Right-of-Way** as shown on the plans for the proposed transportation project are to be adjusted as follows: (describe type, size, capacity, location, etc.)

Adjustment of valve box elevations.

per contract documents

for an estimated \$ N/A

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

II. Financial Responsibility (check appropriate boxes):

- ☐ The facilities to be adjusted under the terms of this agreement are subject to Section 52 of the State Highway Law, and the cost of this adjustment is the sole responsibility of the owner.
- ☒ Subdivision 24 of Section 10 of the State Highway Law enables the Commissioner of Transportation to provide, at the expense of the State, for adjustment to a municipally owned utility when such work is necessary as a result of State highway work. (Municipal Agreement if required.)
- ☐ Subdivision 24-b of Section 10 of the State Highway Law enables the Commissioner of Transportation to participate in the necessary expenses incurred for adjustment of privately, publicly, or cooperatively owned facilities, municipal utility facilities, or facilities of a corporation organized pursuant to the State Transportation Corporations Law. (Privately Owned Property Agreement or Reimbursement Agreement required.)
- ☐ Subdivision 27 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a municipality, to perform for and at the expense of such municipality specified work to be included within a State-let contract. (Betterment Resolution required.)
- ☐ Subdivision 33 of Section 10 of the State Highway Law enables the Commissioner of Transportation, upon the request of a public utility corporation, to perform for and at the expense of such public utility corporation specified work to be included within a State-let contract.
- ☐ Subdivision 13 of Section 30 of the State Highway Law enables the Commissioner of Transportation to enter into an agreement to reimburse with public funds the owner for necessary expenses incurred as a result of this adjustment, or to replace the facilities in kind.
- ☐ The owner will develop and keep a record of costs in accordance with the New York State Department of Transportation (NYSDOT) Reimbursement Procedures, and when federal funds participate in the cost, the Federal Highway Administration (FHWA) Federal-Aid Policy Guide Part 645, or as indicated below:

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

III. Physical Adjustment Method (check appropriate boxes):

The actual adjustment or design engineering will be performed by the following method (s):

- ☒ Contract let by the Commissioner.
- ☐ Contract let by the Owner. (check applicable statement, i.e., a or b)
 - ☐ a. Best Interests of State.
 - ☐ b. Utility not sufficiently staffed or equipped.
- ☐ By the Owner's forces.

IV. Betterment, Salvage, and Depreciation Credits Due the Project (check appropriate boxes):

- ☒ There will be no extension of service life, improved capacity, nor any other betterment of the facility (as defined by the NYSDOT Utility Reimbursement Procedures and by FHWA Federal-Aid Policy Guide Part 645) as a result of the adjustments made pursuant to this agreement.
- ☐ There is betterment described as follows:

- ☐ The owner will not claim reimbursement for that betterment portion of the work, but will duly account for it as required by applicable NYSDOT and FHWA procedures.
- ☐ The owner hereby agrees to deposit with the Comptroller of the State of New York the amount of \$_____ to cover the cost of the betterment as described above.
- ☐ The owner agrees to comply with the requirements of the NYSDOT Utility Reimbursement Procedure and FHWA Federal-Aid Policy Guide Part 645 with the respect to salvage and depreciation credits when applicable.

V. General Covenants

The owner hereby agrees to accept full title and responsibility for the adjusted facility in writing upon satisfactory completion of the work. Such acceptance will acknowledge the owner's responsibility to maintain the facility in accordance with all applicable codes, standards and regulations, including his obligation, where applicable, to remove any or all of the facility from the highway at the order of the Commissioner of Transportation, all in accordance with the Rules and Regulations Governing the Accommodation of Utilities within the State Highway Right-of-Way. All compensable claims covered by this agreement will be included in one of the following:

- A. Privately Owned Property Agreement executed prior to the performance of the work.
- B. Municipal Agreement executed prior to performance of the work.
- C. Reimbursement Agreement executed prior to performance of the work.
- D. Such other agreement as approved by NYSDOT Office of Legal Affairs.

**NEW YORK STATE DEPARTMENT OF TRANSPORTATION
UTILITY WORK AGREEMENT**

VI. References

The following documents are herewith incorporated in this agreement be reference (check appropriate boxes)

☒ Federal Highway Administration's Federal-Aid Policy Guide Part 645.

☒ Contract documents: Contract Number: D264643

PIN: 5814.37

Plan Sheets No.: Electronic copy of the proposed contract plans

☐ Owner's Plan Sheets _____

☐ Owner's Estimate Sheets Form No. FIN 223c

☒ Resolution dated _____, by _____

☒ Granting the State of New York authority to perform the adjustment for the owner.

☒ Agreeing to maintain facilities adjusted via State-let contract.

☐ Authorizing deposit of funds by the owner.

☒ Certification by the owner or his agent that he has the legal authority to enter into this agreement.

(Print/Type Name) Owner or Agent	(Signature)	Title	Date
----------------------------------	-------------	-------	------

Neil Sergott, P.E. For the NYSDOT Commissioner of Transportation	Statewide Utility Engineer Title	Date
---	-------------------------------------	------

SPECIAL NOTE**COORDINATION WITH THE UTILITY SCHEDULE**

The contractor must coordinate their schedule of operations with the various utility owners involved with the project and shall verify utility information found in the contract documents. Utility revisions required by the various utility owners in connection with this project include:

Erie County Water Authority**Utility Owner's Field Contact:**

Leonard F. Kowalski, P.E., Executive Engineer
Erie County Water Authority
3030 Union Road
Cheektowaga, New York 14227
D: (716) 685-8220
O: (716) 684-1510
C: (716) 341-1137
F: (716) 684-8397
lkowalski@ecwa.org

Erie County Water Authority has existing 8" and 12" water line on east side, within the highway boundary of NY 62 (Niagara Falls Blvd.)

Reimbursable work to be done by the State's contractor:

The project requires the following work to be done at this location, per details in the contract documents:

Adjustment of valve box elevations (During Construction.)

The work is to be done by the State's contractor and paid by contract items.

The State's Engineer-In-Charge, in coordination with the State's contractor, shall notify the Erie County Water Authority in writing **2 weeks** before commencing work on their facilities at **each** location and for **each** occurrence of work.

The State's Engineer-In-Charge will provide record plans to the Erie County Water Authority.

Additional Notes

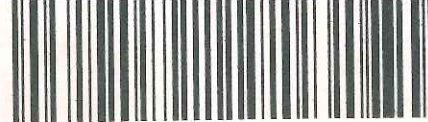
1. The Contractor is governed by and must adhere to the provisions of 16 NYCRR Part 753 (Protection of Underground Facilities).
2. The State's contractor shall verify utility information found in the contract documents. The State's contractor shall notify the State's Engineer-In-Charge of any discrepancies that are found.
3. In addition to the above-itemized facility adjustments, other adjustments may become necessary during the construction phase as a result of more precise location data or other changes that might develop.
4. The Standard Specifications shall apply to all utility facility adjustments.
5. Any additional adjustments shall be performed by the utility owners and/or the State's contractor upon direction by the State's Engineer-In-Charge.
6. Notify the utility owner's field contact identified in this note three (3) business days prior to beginning work near the utility owner's facilities. Particularly if there will be incursion into the facilities' tolerance zone.

7. Any unintentional contact with a utility facility must be immediately reported to the utility owner's field contact. The field contact must give approval before work can continue.
8. Suitable time frames for additional adjustments shall be coordinated between the State's Engineer-In-Charge, the State's contractor, and the affected utility owners. Such timeframes shall not be included within previously established time frames.

END OF COORDINATION WITH THE UTILITY SCHEDULE

Revised 2021 July 29 - EJSC

State of New York
Department of Transportation
Design Group, Utility Unit
100 Seneca Street
Buffalo, NY 14203-2939



7020 1810 0001 2118 6118



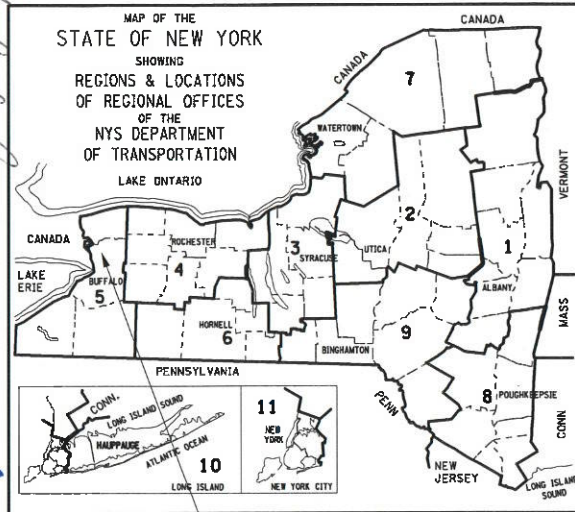
Leonard F. Kowalski, P.E.,
Executive Engineer
Erie County Water Authority
3030 Union Road
Cheektowaga, New York 14227

OCT 18 2021 10:20



D264643

D264643



PROJECT LOCATION



Department of Transportation

PAVEMENT REHABILITATION PROJECT
US RTE 62, NIAGARA FALLS BOULEVARD, SH 5193
NY 324 (SHERIDAN DRIVE) TO GREEN ACRES ROAD
TOWNS OF AMHERST AND TONAWANDA

F.A. PROJECT

THE LATEST REVISIONS OF THE STANDARD SHEETS MAINTAINED BY THE DEPARTMENT, WHICH ARE CURRENT ON THE DATE OF ADVERTISEMENT FOR BIDS, SHALL BE CONSIDERED TO BE IN EFFECT. ALL PAY ITEMS AND WORK CONTAINED IN THE CONTRACT AND ANY ADDITIONAL PAY ITEMS AND WORK ENCOUNTERED DURING THE COURSE OF THE CONTRACT SHALL BE SUBJECT TO THE APPLICABLE STANDARD SHEET(S) UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS.

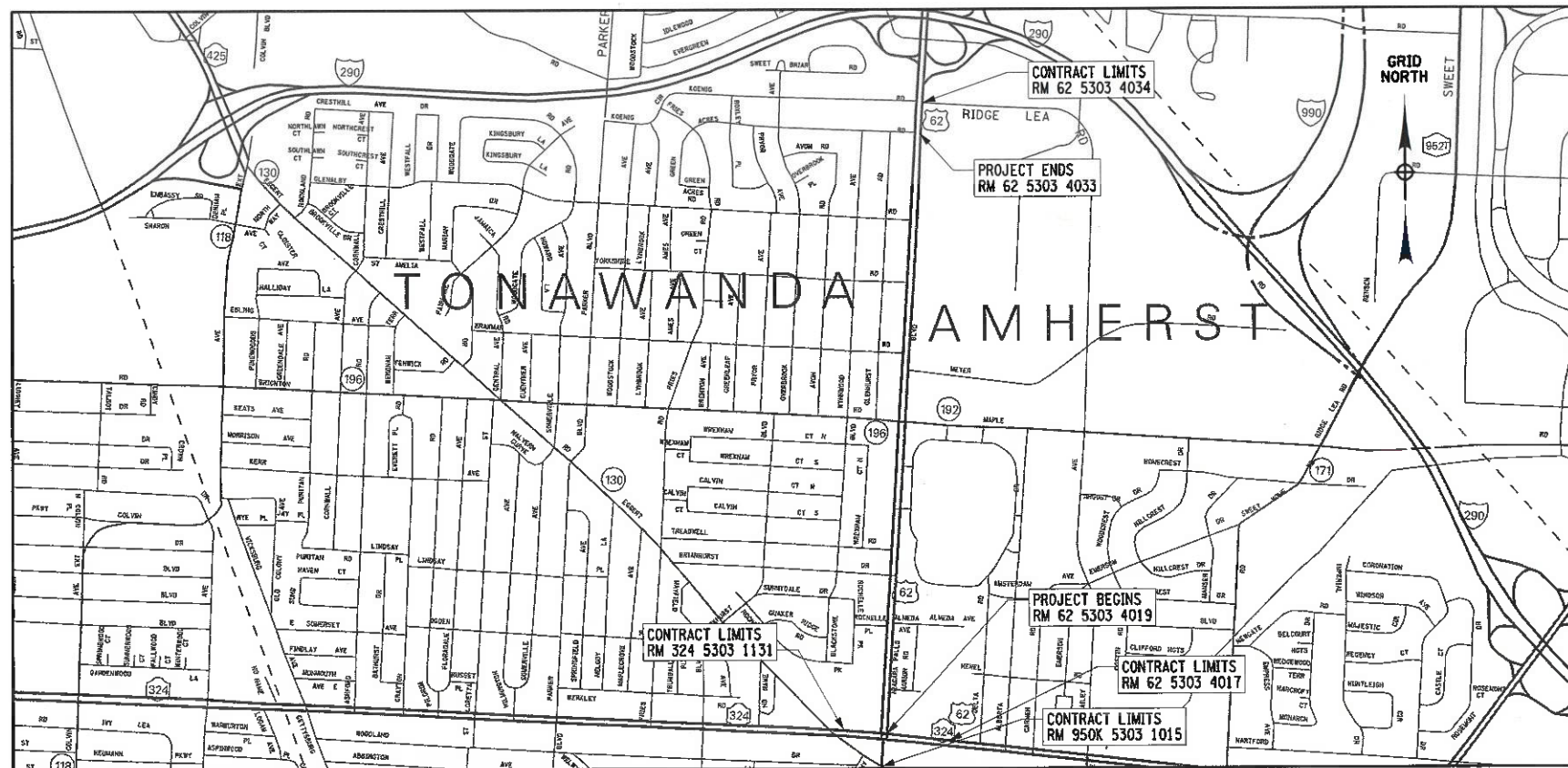
ALL WORK CONTEMPLATED UNDER THIS CONTRACT IS TO BE COVERED BY AND IN CONFORMITY WITH THE STANDARD SPECIFICATIONS (US CUSTOMARY) REFERENCED IN THE CONTRACT PROJECT "PROPOSAL" EXCEPT AS MODIFIED BY THESE PLANS OR BY CHANGES SET FORTH IN THE CONTRACT PROJECT "PROPOSAL."

CONTRACT PLANS HAVE BEEN DESIGNED IN ACCORDANCE WITH NYSOT POLICIES AND GUIDELINES AND THE FINAL DESIGN REPORT APPROVED ON 03/25/2021

CONTRACT D264643

ERIE COUNTY

CONTRACTOR'S NAME _____
AWARD DATE _____
COMPLETION DATE _____
FINAL ACCEPTANCE DATE _____
REGIONAL DIRECTOR _____
ENGINEER IN CHARGE _____
FINAL COST TOTAL _____
FISCAL SHARE _____ COST(S) _____



PROJECT LOCATION
THE PROJECT IS LOCATED IN THE TOWNS OF AMHERST AND TONAWANDA
BETWEEN NY 324 AND GREEN ACRES RD ON US RTE 62

APPROVED BY

S. Vaidya
REGIONAL DESIGN ENGINEER
SANJYOT S. VAIDYA, P.E.

08/26/2021
DATE

RECOMMENDED BY

D. W. Paskie
REGIONAL CONSTRUCTION ENGINEER
DANIEL W. PASKIE, P.E.

9/1/21
DATE

RECOMMENDED BY

John Cogswell
ACTING REGIONAL DIRECTOR OF OPERATIONS
JOHN COGSWELL, P.E.

9/1/21
DATE

RECOMMENDED BY

Mike Roche
REGIONAL TRAFFIC ENGINEER
MIKE ROCHE, P.E.

9/1/21
DATE

APPROVED BY

Frank P. Cirillo
REGIONAL DIRECTOR
FRANK P. CIRILLO, SR/VA

9/1/2021
DATE

PAVEMENT REHABILITATION PROJECT		
US RTE 62, NIAGARA FALLS BOULEVARD		
NY 324, SHERIDAN DRIVE, TO GREEN ACRES ROAD		
TOWNS OF AMHERST AND TONAWANDA		
COUNTY: ERIE		
FED. ROAD REG. NO.	STATE	SHEET NO.
1	N.Y.	1
CAPITAL PROJECT IDENTIFICATION NO. 581437		
INDEX ON SHEET NO. 2		

D264643

FILE NAME = 581437_cph leg 1.dgn
DATE/TIME = 02-SEP-2021 09:17
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ
















































































































































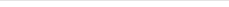


DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

ALIGNMENT			LANDSCAPE			ROADWAY			TRAFFIC WORK ZONE		
STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION	STYLE	NAME	DESCRIPTION		TWZBT_P	BARRIER, TEMPORARY
	AC	CONTROL (CENTERLINE)		LABL	AREA, BRUSH LINE		RCZ_P	CLEAR ZONE		TWZBTWL_P	BARRIER, TEMPORARY, W/ WARNING LIGHTS
	AD_P	DETOUR		LAHR	AREA, HEDGE ROW		RG	GUIDE RAIL, MISCELLANEOUS		TWZCD_P	CHANNELIZING DEVICE
	AT_P	TRANSITION CONTROL		LAPB	AREA, PLANTING BED		RGB	GUIDE RAIL, BOX BEAM		TWZPMRC_P	PAVEMENT MARKING REMOVAL OR COVERING
BRIDGE				LAWA	AREA, WOODED AREA OUTLINE		RGBM	GUIDE RAIL, BOX BEAM, MEDIAN	UTILITIES		
	BR	RAIL		LAWA	AREA, WOODED AREA OUTLINE		RGC	GUIDE RAIL, CABLE	STYLE	NAME	DESCRIPTION
	BSHT	SHEET PILING		LCUT_P	CUT LIMIT		RGC	GUIDE RAIL, CONCRETE BARRIER		UC	CONDUIT, UNDERGROUND
CONTROL				LFILL_P	FILL LIMIT		RGP_P	GUIDE POST		UCH	CONDUIT, HANGING
	CB	BASELINE		LFNC	FENCE		RGW	GUIDE RAIL, W BEAM		UCO	CONDUIT, OVERHEAD
	CBPR	BASELINE, PROJECTION		LTRC	TREE ROW, CONIFEROUS		RGWM	GUIDE RAIL, W BEAM, MEDIAN		UE	ELECTRIC LINE, UNDERGROUND
DRAINAGE				LTRD	TREE ROW, DECIDUOUS		RPB	PARKING BUMPER		UEH	ELECTRIC LINE, HANGING
	DCP	CULVERT PIPE		LWH	WALL, H PILE		RRC	RAIL ROAD, CATENARY		UEO	ELECTRIC LINE, OVERHEAD
	DCP_P	CULVERT PIPE (DIR)		LWR	WALL, RETAINING		RRER	RAIL ROAD, 3RD RAIL		UETO	ELECTRIC TRANSMISSION, OVERHEAD
	DDG_P	DITCH, GRASS LINED		LWS	WALL, STONE		RRPLS_P	RAIL, PHOTO, LARGE SCALE		UESS	ELECTRIC, SUBSTATIONS
	DDP_P	DITCH, PAVED INVERT	ROW MAPPING				RRPSS	RAIL, PHOTO, SMALL SCALE		UF0	FIBER OPTIC, UNDERGROUND
	DDS_P	DITCH, STONE LINED		MDL	DEED LINE		RRS	RUMBLE STRIP		UFOH	FIBER OPTIC, HANGING
	DFL_P	FLOW LINE		MEE	EASEMENT, EXISTING		RRSLS_P	RAIL, SURVEY, LARGE SCALE		UFOO	FIBER OPTIC, OVERHEAD
	DSSD	SLOTTED DRAIN		MEP_P	EASEMENT, PERMANENT		RRSSS	RAIL, SURVEY, SMALL SCALE		UG	GAS, UNDERGROUND
	DUD_P	UNDERDRAIN		MEPA_P	EASEMENT, PERMANENT, APPROX.	SIGNS				UGH	GAS, HANGING
ENVIRONMENTAL				MET_P	EASEMENT, TEMPORARY	SIGNS				UGO	GAS, OVERHEAD
	ECT	CURTAIN, TURBIDITY		META_P	EASEMENT, TEMPORARY, APPROX.		SBLB	BILLBOARDS		UIC	INFORM CABLE, UNDERGROUND
	EDMC	DAM, COFFER		MF_P	FEE ACQUISITION, W/ ACCESS		SM	MULTIPLE POST		UICH	INFORM CABLE, HANGING
	EDMEC_P	DAM, EARTHEN CHECK		MFA_P	FEE ACQUISITION, APPROXIMATE		SSO	STRUCTURE, OVERHEAD		UO	OIL LINE, UNDERGROUND
	EDMGSC_P	DAM, GRAVEL BAG/SAND BAG CHECK		MFS_P	FEE ACQUISITION, SHAPE		SSOC	STRUCTURE, OVHD. CANTILEVER		UOH	OIL LINE, HANGING
	EDMPC_P	DAM, PREFABRICATED CHECK		MFWOA_P	FEE ACQUISITION, W/O ACCESS	STRIPING				UPBP	POLE, BRACE, PUSH BRACE
	EDMSC_P	DAM, STONE CHECK		MHA	HISTORICAL, ACQUISITION		STB*	BROKEN LINE		UPGW	POLE, GUY WIRE
	EFNS	FENCE, SILT		MHB	HIGHWAY BOUNDARY		STDB*	DOUBLE BROKEN LINE		USA	SANITARY SEWER, UNDERGROUND
	EFNSV	FENCE, SILT & VEGETATION		MHBA	HIGHWAY BOUNDARY, APPROX.		STD*	DOTTED LINE LONG		USAH	SANITARY SEWER, HANGING
	EFNV	FENCE, VEGETATION		MHBW	HWY BOUNDARY, FACE OF WALL		STD*	DOTTED LINE SHORT		USAF	SANITARY SEWER, FORCE MAIN, UGND
	ESFL	FILTER, SEDIMENT LOG		MHBWOA	HIGHWAY BOUNDARY, W/O ACCESS		STFB*	FULL BARRIER LINE		USAFH	SANITARY SEWER, FORCE MAIN, HANG
	EWAA_P	WETLAND, ADJACENT AREA		MJC	JURISDICTION, CITY		STPB*	PARTIAL BARRIER LINE		UT	TELEPHONE, UNDERGROUND
	EWF	WETLAND, FEDERAL		MJC	JURISDICTION, COUNTY		STRCT	ROUNDAABOUT, CAT TRACKS		UTH	TELEPHONE, HANGING
	EWFS	WETLAND, FEDERAL AND STATE		MJHD	JURISDICTION, HISTORIC DISTRICT		STRCT	ROUNDAABOUT, CAT TRACKS		UTO	TELEPHONE, OVERHEAD
	EWM	WETLAND, MITIGATION AREA		MJLL	JURIS., (GREAT, MILITARY) LOT LINE		STRYL	ROUNDAABOUT, YIELD LINE		UTV	CABLE TV, UNDERGROUND
	EWS	WETLAND, STATE		MJN	JURISDICTION, NATION		STRYL	ROUNDAABOUT, YIELD LINE		UTVH	CABLE TV, HANGING
				MJPB	JURISDICTION, PUBLIC LANDS		STSB	STOP BAR		UTVO	CABLE TV, OVERHEAD
				MJS	JURISDICTION, STATE		STSE*	SOLID, EDGE		UU	UNKNOWN, UNDERGROUND
				MJT	JURISDICTION, TOWN		STXL	X WALK, LADDER LINE		UJH	UNKNOWN, HANGING
				MJV	JURISDICTION, VILLAGE		STXLB	X WALK, LADDER BAR LINE		OUU	UNKNOWN, OVERHEAD
				MPL	PROPERTY LOT LINE	* = W (WHITE) OR Y (YELLOW)				UW	WATER LINE, UNDERGROUND
				MPLA	PROPERTY LOT LINE, APPROXIMATE	TRAFFIC CONTROL				UWH	WATER LINE, HANGING
				MSL	SUB LOT LINE		TCSW	SIGNAL, SPAN WIRE		UWO	WATER LINE, OVERHEAD

FILE NAME = 581437_cph leg 2.dgn
DATE/TIME = 02-SEP-2021 09:17
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

ALIGNMENT			DRAINAGE			ITS			ROW MAPPING			SIGNS			UTILITIES					
CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION	CELL	NAME	DESCRIPTION			
	ACC	CENTER OF CURVATURE		DINV	INVERT		IANT P	ANTENNAS		MDL1P	DEED LINE, TYPE 1		S	SINGLE POST		UEB	ELECTRIC, BOX			
	ACOGO	COGO		DS	STRUCTURE, RECTANGULAR		IASCTS	ACCOU. SPEED/COUNT SNSR.S		MDL2P	DEED LINE, TYPE 2		S.P	SINGLE POST, PROPOSED		UEM	ELECTRIC, METER			
	ACS	CURVE TO SPIRAL		DSI	STRUCTURE, INVERT		ICABPAD	CABINET & PAD		MDL3P	DEED LINE, TYPE 3		SB.P	BACK TO BACK, PROPOSED		UEMH	ELECTRIC, MANHOLE			
	ADPL.P	DETOUR, POINT OF INTERSECT.		DSM	STRUCTURE, MANHOLE		ICCTV	CCTV SITE		MDL4P	DEED LINE, TYPE 4		SDEL	DELINEATORS		UEPT	ELECTRIC, POLE, TRANS.			
	ADPL.P	DETOUR, POINT ON LINE		DSMTXX.P	STRUCTURE, MANHOLE, TYPE "XX" "XX" = 48, 60, 72, 96		ICDPD	CDPD TRANSCEIVER		MDL5P	DEED LINE, TYPE 5		SPM	PARKING METER		UGM	GAS, METER			
	AEQN	EQUATION		DSR	STRUCTURE, ROUND		ICELLT	CELL PHONE TOWER		MEEP	EASEMENT, EXISTING		SRM	REFERENCE MARKERS		UGMH	GAS, MANHOLE			
	AEQNAHD	EQUATION AHEAD		DST"X"CB P	STRUCTURE, RECT., WITH CURB TYPE "X" "X" = F, G, N, O, P, R		ICJB	CONDUIT JACK OR BORING		MEPAP.P	EASEMENT, PERM., APPROX.		SRSC3	SHLD, CTY, 123 DIG.		UGLM	GAS, LINE MARKER			
	AEQNBK	EQUATION BACK		DST"X" P	STRUCTURE, RECT., TYPE "X" "X" = I, K, L, M, O, P, U		ICNTLCAB	CONTROLLER CABINET		MEPP.P	EASEMENT, PERM., BACK LINE		SRSC4	SHLD, CTY, 4 DIG.		UGP	GAS/FUEL PUMP			
	AEVT	EVENT STATION	ENVIRONMENTAL				ICPB	COMMUNICATION PULL BOX		MEPSP.P	EASEMENT, PERM., SHAPE		SRSCT2	SHLD, CTY TOUR, 1-2 DIG.		UGV	GAS, VALVE			
	APC	POINT OF CURVATURE					ICTD	CONDUIT TURNING DOWN		MFAP.P	FEE ACQUISITION, APPROX.		SRSCT4	SHLD, CTY TOUR, 3-4 DIG.		UGVT	GAS, VENT			
	APCC	POINT OF COMPOUND CURVATURE		EIOP_P	STR., INLET, OUTLET PROT.		ICTU	CONDUIT TURNING UP		MFP.P	FEE ACQUISITION, BACK LINE		SRSI	SHLD, INTERSTATE		ULP	LIGHTING, POLE			
	API	POINT OF INTERSECTION		EIPGB_P	STR., INLET PROT., GRAVEL BAG		ICVTRT	COMM. VEH. ROAD TRANSCEIVER		MFSP.P	FEE ACQUISITION, SHAPE		SRSN2	SHLD, NATIONAL, 2 DIG.		ULPM	LIGHTING, POLE, MEDIAN			
	APOB	POINT OF BEGINNING		EIPEFL_P	STR., INLET PROT., FILTER LOG		IDEFAULT	DEFAULT		MHBAP	HIGHWAY BNDRY., APPROX.		SRSN3	SHLD, NATIONAL, 3 DIG.		ULPP	LIGHTING, POLE, PED.			
	APOC	POINT OF CURVATURE		EIPP_P	STR., INLET PROT., PREFAB.		IEZR	E-ZPASS READER		MHBCP	HISTORICAL, BLDG. CORNERS		SRSS2	SHLD, STATE, 2 DIG.		UMFC	MISC. FILLER CAP			
	APOE	POINT OF END		EIPSF_P	STR., INLET PROT., SILT FENCE		IEZTR	TRANSMITTAL READER		MHBP	HIGHWAY BNDRY, PT.		SRSS3	SHLD, STATE, 3 DIG.		UOLM	OIL, LINE MARKER			
	APOL	POINT ON LINE		ERCB	RISER, CONCRETE BOX		IFXCAB	FIBER OPTIC X-CONNECT CABINET		MJCP	PT., JURIS. CITY		SRSS4	SHLD, STATE, 4 DIG.		UP	POLE, WITH UTILITY			
	APOS	POINT ON SPIRAL		ETRS_P	TRAP, SEDIMENT		IFUSSPL	FUSION SPLICE		MPBC	PT., BUILDING CORNER	TRAFFIC CONTROL				UPD	POLE, DEAD (NO UTILITY)			
	APOT	POINT ON TANGENT		EWFG	WETLAND FLAG		IHARADV	HAR ADVISORY SIGN		MPCC	PT., CROSS CUT					UPL	POLE, WITH LIGHT			
	APOVC	POINT ON VERTICAL CURVE	GEOTECHNICAL				IHARST	HAR SITE		MPDH	PT., DRILL HOLE		TCBJ	BOX, JUNCTION		USMH	SANITARY SEWER MANHOLE			
	APOVT	POINT ON VERTICAL TANGENT					ILC	LOAD CENTER		MPF	PT., FENCE LOCATION		TCBP	BOX, PULL BOX		UTB	TELEPHONE, BOOTH			
	APORC	POINT ON REVERSE CURVE					IMECSPL	MECHANICAL SPLICE		MPIP	PT., IRON PIPE		TCBS	BOX, SPLICE		UTLM	TELEPHONE, LINE MARKER			
	APT	POINT OF TANGENCY					IMSCS	PORT. SPEED & COUNT SENSOR		MPIR	PT., IRON ROD		TCMC	MICROCOMPUTER CABINET		UTMH	TELEPHONE, MANHOLE			
	APVC	POINT OF VERTICAL CURVATURE					IMSCTS	MICRO SPEED & COUNT SENSOR		MPM	PT., MONUMENT		TCPP	PED POLE		UTVLM	CABLE TV, LINE MARKER			
	APVCC	POINT OF VERT. CMPND CURVE					IMT	MICROWAVE TRANSCEIVER		MPMM	PT., MONUMENT, MISC.		TCSH	SIGNAL HEADS		UTVPB	CABLE TV, PULL BOX			
	APVI	POINT OF VERT. INTERSECTION					IOVHVS	PERM. OVERHEAD VMS		MPN	PT., NAIL		TCSP	SIGNAL POLE		UUB	UNKNOWN, BOX			
	APVRC	POINT OF VERT. REVERSE CURVE					IPASCS	PORT. ACCOU. SPD & CNT. SENSOR		MPRS	PT., RAILROAD SPIKE	TRAFFIC WORK ZONE				UUJB	UNKNOWN, JUNCTION BOX			
	APVT	POINT OF VERTICAL TANGENCY	LANDSCAPE				IPEDS	PEDESTRIAN SIGNAL HEAD		MPSP	PT., SPIKE					UUMH	UNKNOWN, MANHOLE			
	ASC	SPIRAL TO CURVE					IPSS	PAVEMENT SURFACE SENSOR		MPST	PT., STAKE		TWZAP.P	ARROW PANEL, CAUTION MODE		UUPB	UNKNOWN, PULL BOX			
	ASPI	SPIRAL POINT OF INTERSECTION		IPVMS	PERM. VMS		IPWMS	PERM. VMS		MPTW	PT., TREE W/ WIRE		TWZAPT.P	ARROW PANEL, TRAILER OR SUPPORT		UUVL	UNKNOWN, VALVE			
	ASTS	SPIRAL TO SPIRAL		IRM	RAMP METER		IRWIS	RDWY WEATHER INFO. SENSOR		MPWL	PT., WALL LOCATION		TWZBCD.P	BARRICADE (TYPE III)		UUVT	UNKNOWN, VENT			
	AST	SPIRAL TO TANGENT					ISPVMS	RDWY WEATHER INFO. SENSOR	ROW ACQUISITION				TWZCMS.P	CHANGEABLE MESSAGE SIGN (PVMS)		UUW	UNKNOWN, WELL			
	ATS	TANGENT TO SPIRAL		ISP	SOLAR PANEL		ISST	SPREAD SPECT. TRANSCEIVER					TWZFLG.P	FLAGGER		UWFH	WATER, FIRE HYDRANT			
	AVEVT	VERTICAL EVENT POINT		ITDB	TELEPHONE DEMARCATION BLK		ITST	SPREAD SPECT. TRANSCEIVER		MFS.P.T	FEE ACQUISITION		TWZFT.P	FLAG TREE		UWM	WATER, METER			
	AVHIGH	VERTICAL HIGH POINT		ITP	SUBSURFACE TEMP. PROBE		ITDB	TELEPHONE DEMARCATION BLK		MEPS.P.T	EASEMENT, PERMANENT		TWZIA.P	IMPACT ATTENUATOR / CRASH CUSHION (TEMPORARY)		UWMH	WATER, MANHOLE			
	AVLOW	VERTICAL LOW POINT		IVTRT	VEHICLE TO RDWY TRANSCEIVER		ITP	SUBSURFACE TEMP. PROBE		METS.P.T	EASEMENT, TEMPORARY		TWZLUM.P	LUMINAIRE (TEMPORARY)		UWV	WATER, VALVE			
BRIDGE				IWIND	WEIGHT IN MOTION DETECTOR		IVTRT	VEHICLE TO RDWY TRANSCEIVER		METS.P.T	OCCUPANCY, TEMPORARY		TWZSDT.P	SYMBOL, DIRECTION OF TRAFFIC		UWW	WATER, WELL			
				IWVR	WIRELESS VIDEO REPEATER		IWIND	WEIGHT IN MOTION DETECTOR		MFS.P.T	FEE ACQUISITION W/O ACCESS		TWZSDTD.P	SYMBOL, DIRECTION OF TEMPORARY TRAFFIC DETOUR						
CONTROL				IWVRC	WIRELESS VIDEO RECEIVER		IWVR	WIRELESS VIDEO REPEATER	ROADWAY				TWZSGN.P	SIGN (TEMPORARY)						
				IWVTT	WIRELESS VIDEO TRANSMITTER		IWVRC	WIRELESS VIDEO RECEIVER					TWZSIG.P	SIGNAL, TRAFFIC OR PEDESTRIAN (TEMPORARY)						
	BSC	BRIDGE, SCUPPER					RES P	ELEVATION, SPOT		RGA	GUIDE RAIL, ANCHOR		TWZWV.P	WORK VEHICLE						
							RGP	GUIDE POST, SINGLE		TWZWVA.P	WORK VEHICLE WITH TRUCK MOUNTED ATTENUATOR									
	CBP	BASELINE, POINT																		
	CBPOL	BASELINE, POINT ON LINE																		
	CBSP	BASELINE, SPUR POINT																		
	CBTP	BASELINE, TIE POINT																		
	CPBM	BENCHMARK																		
	CPH	POINT, HORIZ. PHOTOGRAMMETRY																		
	CPSM	POINT, SURVEY MARKER, PERM.																		
	CPSV	POINT, VERT., PHOTOGRAMMETRY																		

1. THE LEGEND ILLUSTRATES MAPPING FEATURES (EXISTING AND PROPOSED).

2. FEATURES ARE SHOWN AS EITHER LINEAR (ROADWAY GUIDERAIL, ROADWAY SIDEWALK, UTILITY LINES, ETC.) OR POINT (SIGN, UTILITY POLE, ETC.).

3. FEATURES SHOWN ON THE LEGEND AS EXISTING FEATURES ALSO HAVE CORRESPONDING PROPOSED FEATURES.

4. PROPOSED FEATURE SYMBOLOGY IS IDENTICAL TO EXISTING FEATURE SYMBOLOGY EXCLUDING LINE WEIGHT. LINE WEIGHT FOR PROPOSED FEATURES IS THICKER (0.015 in ON B SIZE DRAWINGS).

5. MAPPING FEATURES NOT INCLUDED ON THE LEGEND SHEET DO NOT HAVE A UNIQUE SYMBOLOGY (SUCH AS THE PAVEMENT EDGE, PAVEMENT EDGE OF TRAVEL WAY) AND SHOULD BE LABELED ON THE PLANS.

6. FEATURES SHOWN AT THE HEAVIER WEIGHT ARE PROPOSED ONLY AND DO NOT HAVE CORRESPONDING EXISTING FEATURES.

PAVEMENT REHABILITATION PROJECT

US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193

TOWN OF AMHERST AND TONAWANDA

COUNTY: ERIE REGION: 05

PIN 5814.37

US 62

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

LEGEND SHEET - POINTS

CONTRACT NUMBER

D264643

DRAWING NO. LEG-2

SHEET NO. 4

Department of Transportation

FILE NAME = 581437_cph.txd
DATE/TIME = 02-SEP-2021 09:17
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

AFFIX SEAL: John M. Wentz, P.E.
ON: 8/26/2021

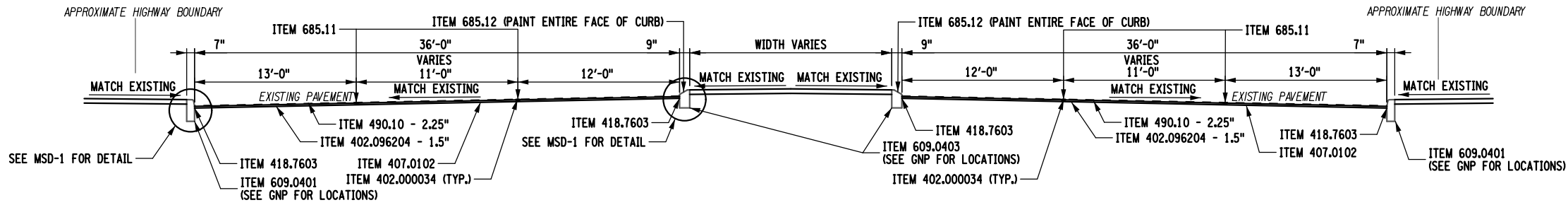
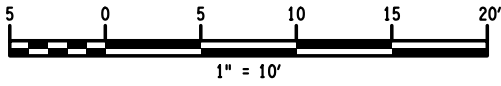
ALTERED BY:
ON:



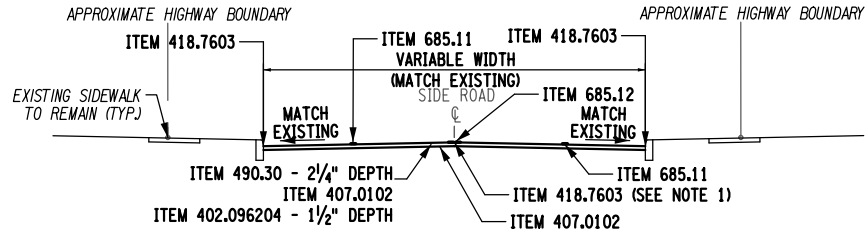
ITEM	DESCRIPTION	UNIT	ITEM	DESCRIPTION	UNIT	NOTES:
402.096204	9.5 F2 TOP COURSE HMA, 60 SERIES COMPACTION	TON	402.000034	LONGITUDINAL JOINT DENSITY QUALITY ADJUSTMENT TO HMA ITEMS	QU	1. THE ASPHALT PAVEMENT JOINT ADHESIVE ITEM SHALL BE USED ON VERTICAL FACES FOR ALL THE JOINTS ON THE SURFACE COURSE SUCH AS LONGITUDINAL, TRANSVERSE, CURBS OR OTHER JOINTS BUTTING AGAINST THE NEW ASPHALT PAVEMENT. 2. ITEM 407.0102 - DILUTED TACK COAT SHALL BE APPLIED BETWEEN ALL ASPHALT COURSES AND TO MILLED SURFACES AS PER SPECIFICATION.
407.0102	DILUTED TACK COAT	GAL				
418.7603	ASPHALT PAVEMENT JOINT ADHESIVE	LF				
490.10	PRODUCTION COLD MILLING OF BITUMINOUS CONCRETE	SY				
490.30	MISCELLANEOUS COLD MILLING OF BITUMINOUS CONCRETE	SY				
609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF150	LF				
609.0403	CAST-IN-PLACE CONCRETE CURB TYPE M150	LF				
685.11	WHITE EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF				
685.12	YELLOW EPOXY REFLECTORIZED PAVEMENT STRIPES - 20 MILS	LF				

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193				TYPICAL SECTIONS	DRAWING NO. TYP-1 SHEET NO. 5
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE REGION: 05					

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



TYPICAL SECTION "A"
NIAGARA FALLS BLVD.
B 7+00.00 TO B 78+35.00



TYPICAL SECTION "B"
LOCAL SIDE ROADS
SEE PLANS FOR LOCATIONS AND PAVING LIMITS

FILE NAME = 581437_cph.qrd.dgn
DATE/TIME = 02-SEP-2021 09:17
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

HIGHWAY MAINTENANCE JURISDICTION

AFTER ACCEPTANCE OF THIS CONTRACT, THE STATE WILL ASSUME RESPONSIBILITY FOR MAINTENANCE OF THE HIGHWAY. ALL PUBLIC INTERSECTING ROADS, HIGHWAYS, OR STREETS NOT ON THE STATE HIGHWAY SYSTEM SHALL BE MAINTAINED BY THE AGENCY OR LOCAL UNIT OF GOVERNMENT HAVING JURISDICTION BEYOND THE OUTSIDE EDGE OF SHOULDER, CURB LINE, OR BACK OF DITCH OF THE STATE HIGHWAY ACROSS THE INTERSECTION.

ALL EXISTING SANITARY SEWERS AND OTHER SEWERS NOT DEEMED TO BE A PART OF THE PROJECT BY THE COMMISSIONER, WATER MAINS, HYDRANTS, AND OTHER MUNICIPALLY OR PRIVATELY OWNED FACILITIES WITHIN THE LIMITS OF THE HIGHWAY ROW WHICH REMAIN IN SERVICE UNCHANGED, AND ALL SUCH FACILITIES RELOCATED OR PROTECTED AS PART OF THE WORK PERFORMED UNDER THIS CONTRACT, WHETHER CROSSING, LOCATED WITHIN, OR ADJACENT TO THE ROW, SHALL BE MAINTAINED, AS THE CASE MAY BE, BY THE MUNICIPALITY OR BY THE AGENCY OR UNIT HAVING CONTROL AND JURISDICTION THEREOF AT NO COST OR EXPENSE TO THE STATE.

PAVING NOTES

1. THE RESTORATION OF DISTURBED AREAS WILL BE PERFORMED AS SPECIFIED UNDER SECTION 107-08 OF THE NYSDOT STANDARD SPECIFICATIONS, PROTECTION AND RESTORATION OF PROPERTY AND LANDSCAPE.
2. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON PREVIOUS CONTRACTS AND FIELD INSPECTIONS. THEREFORE, THE EXACT EXTENT OF PROPOSED WORK MAY NOT ALWAYS BE ACCURATELY DEPICTED. THE CONTRACTOR SHOULD BE AWARE THAT ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATION TO CONSTRUCTION DETAILS AND QUANTITIES.
3. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE TEMPORARY PAVEMENT MARKINGS BEFORE THE FINAL STRIPING IS APPLIED. ANY AREAS THAT THE ENGINEER DEEMS NECESSARY TO BE RESTRIPEDED SHALL BE COMPLETED BEFORE THE END OF THE WORK DAY. THE FOLLOWING CONTRACT ITEMS SHALL BE USED:

A. ITEM 619.0901 TEMPORARY PAVEMENT MARKINGS, STRIPES (TRAFFIC PAINT)
THIS ITEM IS USED TO PROVIDE TEMPORARY MARKINGS ON MILLED SURFACES.

B. ITEMS 640.10 & 640.11 WHITE/YELLOW PAINT REFLECTORIZED PAVEMENT STRIPES - 15 MILS. IF FINAL EPOXY MARKINGS CANNOT BE PLACED AT THE COMPLETION OF DAILY PAVING OPERATIONS, THEN THESE ITEMS WILL BE USED TO PROVIDE TEMPORARY MARKINGS UNTIL THE FINAL EPOXY PAVEMENT STRIPES CAN BE PLACED.
4. ALL PAVING OR SHOULDER MATERIAL SHALL BE INSTALLED IN THE DIRECTION OF FLOW OF TRAFFIC. TRUCKS HAULING MATERIAL FOR A GIVEN OPERATION SHALL PROCEED TO THE PLACEMENT EQUIPMENT WITH THE FLOW OF TRAFFIC.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY LAYOUT NECESSARY TO PRESERVE, MAINTAIN AND REESTABLISH THE EXISTING PAVEMENT CROWN POINTS, LANE WIDTHS, CROSS SLOPES, TRANSITIONS AND SUPER ELEVATIONS AS DESCRIBED IN THE CONTRACT DOCUMENTS AND/OR A.O.B.E. THE COST FOR THIS WORK IS TO BE INCLUDED IN THE PRICE BID FOR THE PAVING ITEMS.
6. AT INTERSECTIONS AND PROJECT TERMINI, THE CONTRACTOR SHALL MILL TO LINE AND GRADE AS DIRECTED BY THE ENGINEER-IN-CHARGE TO PROVIDE FOR A SMOOTH TRANSITION BETWEEN NEW AND EXISTING SURFACES. SEE STANDARD SHEET 402-01 FOR MILLED REBATE DETAIL.
7. WHEN APPURTENANCES SUCH AS CATCH BASINS OR UTILITY VAULTS ARE ENCOUNTERED, THE OVERLAY SHALL BE FEATHERED TO MEET EXISTING GRADE AT THE CASTING. FEATHERING SHOULD OCCUR AT A RATE NOT TO EXCEED 4%, UNLESS THE APPURTENANCE IS TO BE ADJUSTED AS PROVIDED ELSEWHERE IN THIS CONTRACT.
8. ASPHALT JOINTS SHALL NOT BE ALLOWED IN ANY WHEEL PATH. THROUGHOUT THE PAVEMENT LENGTH, THE TOP COURSE SHALL BE MONOLITHICALLY PLACED OVER THE TRAVEL LANE AND SHOULDER OR CURB OFFSET UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
9. CARE SHALL BE EXERCISED DURING MILLING, SWEEPING AND/OR PAVING OPERATIONS TO PREVENT MILLED MATERIAL AND/OR HOT MIX ASPHALT MATERIAL FROM ENTERING DRAINAGE INLETS. SHOULD ANY OF THESE MATERIALS ENTER THE DRAINAGE STRUCTURE, THE CONTRACTOR SHALL REMOVE THESE MATERIALS AT NO ADDITIONAL COST TO THE STATE.
10. THE CONTRACTOR SHALL NOT LEAVE THE MILLED OR GROOVED PAVEMENT FOR MORE THAN 14 CALENDAR DAYS BEFORE PAVING THE HMA TOP COURSE. LIQUIDATED DAMAGES SHALL BE ASSESSED ON THE CONTRACTOR, IN ACCORDANCE WITH SECTION 108-03 AND TABLE 108-01 OF THE NYSDOT STANDARD SPECIFICATIONS, UNTIL SUCH TIME AS THE TOP COURSE HAS BEEN PAVED. IF A SEGMENT OF ROADWAY TAKES MORE THAN ONE DAY TO MILL, TIME SHALL BE MEASURED FROM THE FIRST DAY OF THE MILLING OPERATION.
11. TRANSVERSE JOINTS CREATED AT THE END OF EACH WORKING DAY AT THE COMPLETION OF PAVING TOP COURSE SHALL BE SAWCUT TO A VERTICAL EDGE IN ORDER TO REMOVE THE ROLLED MATERIAL, PRIOR TO RESUMING PLACEMENT OF TOP COURSE. SAWCUT SHALL BE INCLUDED IN THE PRICE BID FOR THE TOP COURSE ITEM.
12. MILLING AND PAVING WORK SHALL BE PERFORMED AT NIGHT. ITEM 619.24 HAS BEEN INCLUDED FOR THIS PURPOSE.
13. MILLING AND PAVING WORK SHALL BE PERFORMED DURING THE 2022 CONSTRUCTION SEASON.
14. MILLING IS INTENDED TO REMOVE EXISTING OVERLAY AND LAYER OF TOP COURSE BENEATH, THE REPLACEMENT PAVEMENT IS TO BE PLACED SO AS TO MEET WITH EXISTING CURB RAMP AND DRAINAGE STRUCTURES.

RIGHT OF WAY

1. ALL WORK TO BE PERFORMED UNDER THIS CONTRACT WILL BE WITHIN THE PUBLIC RIGHT-OF-WAY (ROW) IN ACCORDANCE WITH SECTION 105-15 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR IS TO ASSURE HIMSELF THAT ALL WORK IS BEING PERFORMED WITHIN THE ROW, INCLUDING BUT NOT LIMITED TO VEHICLE ACCESS; STORAGE OF EQUIPMENT, MATERIALS, DEBRIS AND WASTE; LANDSCAPING; VEGETATION REMOVAL AND MANAGEMENT; GRADING, SEEDING AND THE INSTALLATION OF TURF; AND THE INSTALLATION OF ANY FENCES OR PROTECTIVE BARRIER.
2. IF CONTRACTOR IS UNABLE TO IDENTIFY THE LIMITS OF THE RIGHTS-OF-WAY WHEN THE CONTRACT CALLS FOR WORK IN THOSE VICINITIES, THE CONTRACTOR MUST CONTACT THE PROJECT ENGINEER FOR DEFINITIVE BOUNDARY DETERMINATIONS BEFORE ANY WORK MAY BE INITIATED AT THOSE LOCATIONS (STANDARD SPECIFICATIONS SECTIONS 105-10 AND 625).
3. IN ACCORDANCE WITH SECTION 105-15 OF THE STANDARD SPECIFICATIONS, RELEASES FOR ANY NON-ESSENTIAL CONTRACT WORK OUTSIDE OF THE EXISTING RIGHTS-OF-WAY, INCLUDING PLANTINGS, LANDSCAPING OR DRIVEWAY ENHANCEMENT, WILL BE PROVIDED BY THE PROJECT ENGINEER AND IN NO INSTANCE ARE TO BE SECURED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT INVADE UPON PRIVATE PROPERTIES, LANDS OR BUILDINGS OUTSIDE OF THE RIGHTS-OF-WAY FOR ANY REASON WITHOUT FIRST SECURING WRITTEN PERMISSION FROM THE PROPERTY OWNER (STANDARD SPECIFICATIONS SECTION 105-15).
4. THE CONTRACTOR WILL BE HELD LIABLE FOR ANY DAMAGES DONE. ANY SUCH INJURIES OR DAMAGES SHALL BE SATISFACTORILY REPAIRED OR ITEMS REPLACED AT THE CONTRACTOR'S EXPENSE (STANDARD SPECIFICATIONS SECTION 107-08).

SURVEY NOTES:


1. ALL SURVEY AND LAYOUT NECESSARY TO COMPLETE THE PROPOSED CONTRACT WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 625.01.
2. THE CONTRACTOR SHALL SURVEY ALL ROADWAY "IRON", INCLUDING BOTH PRIVATE AND PUBLIC UTILITIES (DRAINAGE STRUCTURES, VALVES, MANHOLE COVERS, ETC.) AFTER MILLING AND PRIOR TO PAVING. THIS SURVEY SHALL PROVIDE STATIONS AND OFFSETS BASED ON THE PLAN STATIONING. A COPY OF THE SURVEY SHALL BE PROVIDED TO THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 625.01.


UTILITY QUALITY LEVEL

1. THESE PLANS ARE QLD; QUALITY LEVEL D IS THE LOWEST DEGREE OF ACCURACY. THE INFORMATION SHOWN ON THE PLANS WAS DERIVED SOLELY FROM EXISTING NYSDOT AND/OR UTILITY COMPANY RECORDS OR RECOLLECTIONS. (SHOWN AS QLD)

STRIPING/PAVEMENT MARKING NOTE:

THE NEW PAVEMENT MARKINGS LAYOUT SHALL MATCH THE EXISTING PAVEMENT MARKING CONFIGURATION UNLESS OTHERWISE SPECIFIED IN THE PLANS. A RECORD DEPICTING ALL EXISTING PAVEMENT MARKINGS SHALL BE PREPARED BY THE CONTRACTOR AND THEN FIELD VERIFIED FOR ACCURACY BY THE ENGINEER IN CHARGE (EIC), PRIOR TO THE COMMENCEMENT OF ANY WORK THAT WILL DESTROY OR OBSCURE THE EXISTING MARKINGS. A COPY OF THIS VERIFIED PAVEMENT MARKING RECORD WILL BE GIVEN BY THE EIC TO THE RESIDENT ENGINEER RESPONSIBLE FOR THE MAINTENANCE OF THESE ROADWAYS. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR THE VARIOUS ITEMS IN THE CONTRACT.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
		

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN ++ UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193				GENERAL NOTES	DRAWING NO. GNN-1 SHEET NO. 6
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE REGION: 05					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						
						Department of Transportation

FILE NAME = 581437_wztc-1.dgn
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

GENERAL WORK ZONE TRAFFIC CONTROL (WZTC) NOTES

1. NO LANE CLOSURES WILL BE ALLOWED DURING NON-WORKING HOURS AT DESIGNATED LOCATIONS UNLESS APPROVED BY THE ENGINEER IN CHARGE. NO LONGITUDINAL LANE DROP-OFFS WILL BE ALLOWED AT THE END OF THE WORK DAY. THE CONTRACTOR SHALL PROGRESS OPERATIONS IN A MANNER WHICH WILL PROVIDE THAT THE OPERATION BEING PERFORMED ON A PARTICULAR SECTION OF ROADWAY WILL BE COMPLETED BY THE END OF THE WORKDAY OR PROVIDE OVERNIGHT ROAD PLATING UNLESS OTHERWISE APPROVED BY THE ENGINEER IN CHARGE.
2. THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SIDE STREETS FOR THE DURATION OF THE CONSTRUCTION ACTIVITIES.
3. THE CONTRACTOR SHALL MAINTAIN ACCESS TO RESIDENTIAL AND BUSINESS DRIVEWAYS AT ALL TIMES DURING THE DURATION OF THE CONTRACT.
4. THE CONTRACTOR SHALL NOT MIX DELINEATION DEVICES IN A LINEAR CLOSURE OR TAPER. HOWEVER, DIFFERENT DELINEATION DEVICES MAY BE USED IN DIFFERENT AREAS OF THE PROJECT.
5. VEHICLES BELONGING TO THE CONTRACTOR OR WORKERS SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS ALONG A ROADWAY BEING USED BY THE GENERAL PUBLIC WITHIN THE PROJECT LIMITS.
6. THE CONTRACTOR SHALL NOT PARK EQUIPMENT OVERNIGHT WHERE IT IS DEEMED A SAFETY HAZARD TO TRAFFIC.
7. ALL TRAVEL AND PARKING LANES SHALL BE CLEARED OF ALL OBSTRUCTIONS, INCLUDING TRAFFIC CONTROL DEVICES, AND MADE SAFE FOR TRAVEL AND RETURNED TO SERVICE AT THE CONCLUSION OF EACH WORKDAY.
8. WHEN TYPE III BARRICADES ARE USED NEAR DRIVEWAYS OR INTERSECTIONS, THEY SHALL BE PLACED IN SUCH A WAY AS TO NOT OBSCURE SIGHT DISTANCE.
9. THE FLAGGER STATION AND LANE CLOSURES SHOULD BE LOCATED TO ENSURE MAXIMUM VISIBILITY.
10. FLAGGER SIGNS SHALL BE USED WHENEVER FLAGGING OCCURS FOR MORE THAN A BRIEF PERIOD OF TIME. THE SIGN SHALL BE PROMPTLY REMOVED, COVERED OR TURNED AWAY FROM TRAFFIC WHEN THE FLAGGING OPERATION CEASES.
11. ALL FLAG TREES SHALL HAVE A MINIMUM OF THREE (3) FLAGS.
12. CONTRACTOR IS ADVISED THAT PVMS BOARDS SHALL BE USED AT EACH END OF THE PROJECT WHILE WORK IS BEING PERFORMED.
13. TEST THE PVMS'S CELLULAR COMMUNICATION LINK TWO WEEKS PRIOR TO ANTICIPATED USE. CONTACT NITTEC AT 716-847-2070 (24-7). SEE NITTEC PORTABLE VMS, REQUEST FOR SERVICE FORM.
14. MESSAGES FOR THE PVMS ARE TO BE UPLOADED BY NITTEC (716-847-2070, 24-7) PER EIC REQUEST.
15. ITEM 619.110513 - PVMS BOARDS SHALL BE USED TO NOTIFY THE TRAVELING PUBLIC OF ROADWORK WITH THE MESSAGE(S) IN THE TABLE BELOW. PVMS BOARDS SHALL BE LOCATED ON NIAGARA FALL BOULEVARD UPSTREAM OF THE SOUTHERN AND NORTHERN PAVING LIMITS. (2 EACH TOTAL). ALL PVMS BOARD LOCATIONS SHALL BE APPROVED BY THE E.I.C.

NIAGARA FALLS BOULEVARD AT SOUTHERN & NORTHERN PAVING LIMITS		
MESSAGE 1	MESSAGE 2	DURATION
ROADWORK BEGINS MM/DD/YY	EXPECT DELAYS	PRE-CONSTRUCTION ONE WEEK PRIOR
GROOVED PAVEMENT AHEAD	BIKERS USE CAUTION	FOR THE DURATION OF EXPOSED GROOVED SURFACE

16. CONTRACTOR SHALL REFERENCE STANDARD SPECIFICATION SECTION 619.3.02 (A) REGARDING TREATMENT OF BUMPS, REBATES, GROOVED PAVEMENTS, ETC.
17. AT LOCATIONS WHERE DUAL TURN LANES EXIST, AND THE WORK ZONE IS OCCUPYING ONE OF THE TWO RECEIVING LANES, THE CONTRACTOR SHALL USE A LANE CLOSURE FOR ONE OF THE DUAL TURN LANES PER STD. SHT. 619-30 OR 619-41. BARRIER VEHICLES WOULD NOT BE REQUIRED IF NO WORKERS ARE PRESENT IN THE TURN LANE CLOSURE. 619-41 IS FOR DOUBLE LANE INTERIOR CLOSURE. SET-UP WILL BE SIMILIAR FOR SINGLE LANE INTERIOR CLOUSRE, AS DIRECTED BY E.I.C.

BICYCLIST ACCOMMODATION THROUGH WORK ZONES:

THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT INTERFERE WITH THE ABILITY OF BICYCLISTS TO MOVE THROUGH THE WORK ZONE. THIS ROUTE DOES HAVE DEDICATED BICYCLE FACILITIES. IF THE TRAFFIC CONTROL PLANS ARE TO INCLUDE A BIKE LANE CLOSURE, BICYCLISTS WILL NEED TO SHARE THE LANE WITH MOTORISTS. TRAFFIC CONTROL PLANS SHALL INCLUDE APPROPRIATE SIGNAGE TO WARN BOTH BICYCLISTS AND MOTORISTS OF THE CHANGE TO A TEMPORARY SHARED LANE FACILITY.

PEDESTRIAN ACCOMMODATION THROUGH WORK ZONES:

THE CONTRACTOR SHALL ENSURE THAT CONSTRUCTION ACTIVITIES DO NOT INTERFERE WITH THE ABILITY OF PEDESTRIANS TO MOVE THROUGH THE WORK ZONE. IN AREAS WERE THERE ARE NO SIDEWALKS, IT IS EXPECTED THAT PEDESTRIANS WILL USE THE ROAD OR SHOULDER. IN AREAS WITH SIDEWALKS AND CURB RAMPS THE PEDESTRIAN PATH THROUGH THE WORK ZONE SHALL MAINTAIN ACCESSIBILITY, AS DEFINED IN SECTION 619-3.02C OF THE NYSDOT STANDARD SPECIFICATIONS AND THE AMERICANS WITH DISABILITY ACT ACCESSIBILITY GUIDELINES (ADAAG). THE CONTRACTOR SHALL NOT DIVERT PEDESTRIAN TRAFFIC ONTO GRASSED AREAS OR OTHER SURFACES THAT ARE NOT FIRM AND STABLE ADBE. PEDESTRIANS SHALL BE DIRECTED, WITH ADVANCED SIGNAGE, TO CROSS AT AN ACCEPTABLE LOCATION PRIOR TO ENTERING A SHOULDER OR LANE CLOSURE WORK ZONE. WHERE POSSIBLE, THESE SIGNS SHALL BE PLACED AT INTERSECTIONS PRIOR TO THE WORK ZONE RATHER THAN AT THE WORK ZONE TO MINIMIZE PEDESTRIAN MIDBLOCK CROSSINGS. THE PEDESTRIAN PATH THROUGH THE WORK ZONE SHALL BE MAINTAINED, AS DEFINED IN SECTION 619-3.02C OF THE NYSDOT STANDARD SPECIFICATIONS.

TIME AND HOLIDAY RESTRICTIONS FOR ROADWORK:


1. THE TABLE BELOW SHOWS THE TIME RESTRICTIONS FOR EACH SECTION OF STATE ROUTE US 62, NIAGARA FALLS BLVD. THESE TIME RESTRICTIONS INCLUDE THE SET-UP AND TAKE-DOWN OF WORK ZONES.


	US 62 FROM NY 324 TO MAPLE RD.	US 62 FROM MAPLE RD. TO GREEN ACRES RD.
NORTHBOUND	MONDAY THROUGH SUNDAY: ONE LANE CLOSURES ANYTIME ALLOWED TO CLOSE TWO LANES BETWEEN 8 PM AND 6 AM (NEXT DAY)	MONDAY THROUGH SUNDAY: NO LANE CLOSURES FROM NOON TO 8 PM ALLOWED TO CLOSE ONE LANE BETWEEN 8 PM AND NOON (NEXT DAY) ALLOWED TO CLOSE TWO LANES BETWEEN 10 PM AND 6 AM (NEXT DAY)
SOUTHBOUND	MONDAY THROUGH SUNDAY: ONE LANE CLOSURES ANYTIME ALLOWED TO CLOSE TWO LANES BETWEEN 8 PM AND 6 AM (NEXT DAY)	MONDAY THROUGH SUNDAY: NO LANE CLOSURES FROM 3 PM TO 6 PM ALLOWED TO CLOSE ONE LANE BETWEEN 6 PM AND 3 PM (NEXT DAY) ALLOWED TO CLOSE TWO LANES BETWEEN 10 PM AND 6 AM (NEXT DAY)

2. CONSTRUCTION ACTIVITIES THAT WILL RESULT IN TEMPORARY LANE CLOSURES SHALL BE SUSPENDED TO MINIMIZE TRAVEL DELAYS ASSOCIATED WITH ROAD WORK PER THE SPECIAL NOTE - 'TEMPORARY LANE CLOSURE RESTRICTIONS FOR MAJOR HOLIDAYS.' AND AS FOLLOWS:

HOLIDAY	FROM			TO		
	TIME	DAY	DATE	TIME	DAY	DATE
VICTORIA DAY (CANADA)	NOON	FRIDAY	05/20/2022	11:00 PM	MONDAY	05/23/2022
CANADA DAY	NOON	FRIDAY	07/01/2022	6:00 AM	MONDAY	07/04/2022
CANADA CIVIC DAY	NOON	FRIDAY	07/29/2022	6:00 AM	TUESDAY	08/02/2022
THANKSGIVING (CANADA)	NOON	FRIDAY	10/07/2022	11:00 PM	TUESDAY	10/11/2022

3. TIME RESTRICTIONS ARE FOR SINGLE LANE CLOSURES AND SHOULDER CLOSURES. SITE SPECIFIC VARIANCES TO TIME RESTRICTIONS WILL BE CONSIDERED ON A CASE-BY-CASE BASIS AND ONLY WITH APPROVAL OF THE SURFACE TRANSPORTATION CONTROLLER (STC). ALL DOUBLE LANE CLOSURES WILL REQUIRE APPROVAL BY THE STC. CONTACT SHALL BE MADE WITH THE REGIONAL TRAFFIC OFFICE.
4. TIME RESTRICTIONS ARE FOR ALL DAY OF THE WEEK. ANY WAIVER OF THESE RESTRICTIONS NEED TO BE APPROVED BY THE SURFACE TRANSPORTATION CONTROLLER (STC). CONTACT SHALL BE MADE WITH THE REGIONAL TRAFFIC OFFICE.
5. ROADWORK IS DEFINED AS ANY WORK THAT REQUIRES A LANE CLOSURE, INCLUSIVE OF DAILY SETUP/TEARDOWN OF SHOULDER CLOSURES. THE LONG TERM SHOULDER CLOSURES ARE EXEMPT.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
		

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193				WZTC NOTES	DRAWING NO. WZN-1 SHEET NO. 7
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE REGION: 05					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						
						Department of Transportation

FILE NAME = 581437_cph.wztc.typ.1.dgn
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

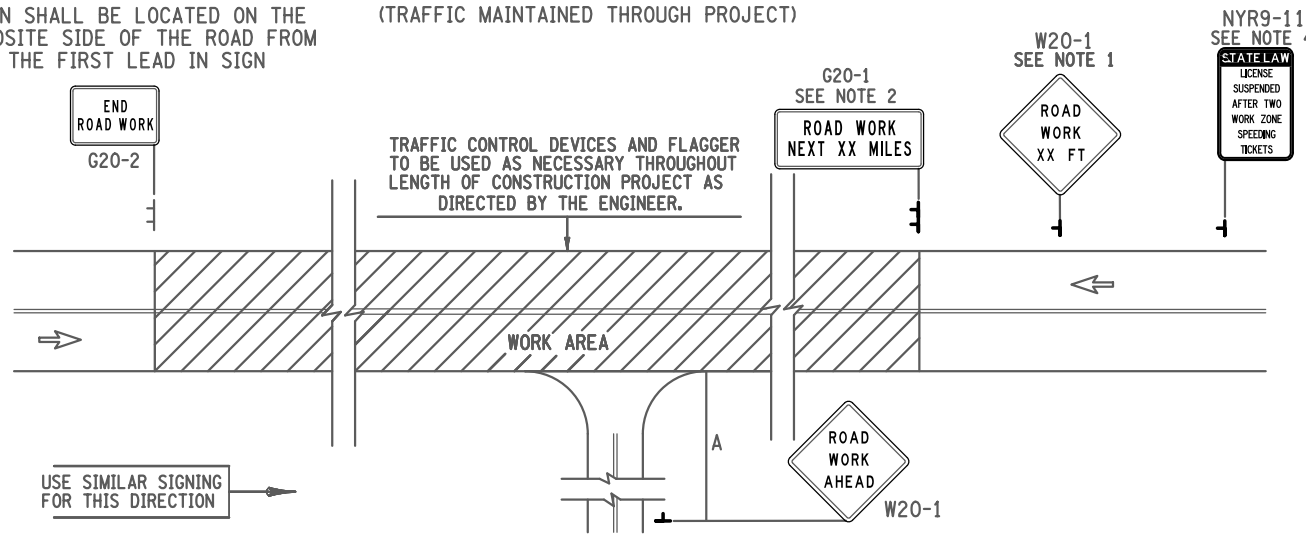
CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

TYPICAL SIGNING

SIGN SHALL BE LOCATED ON THE OPPOSITE SIDE OF THE ROAD FROM THE FIRST LEAD IN SIGN

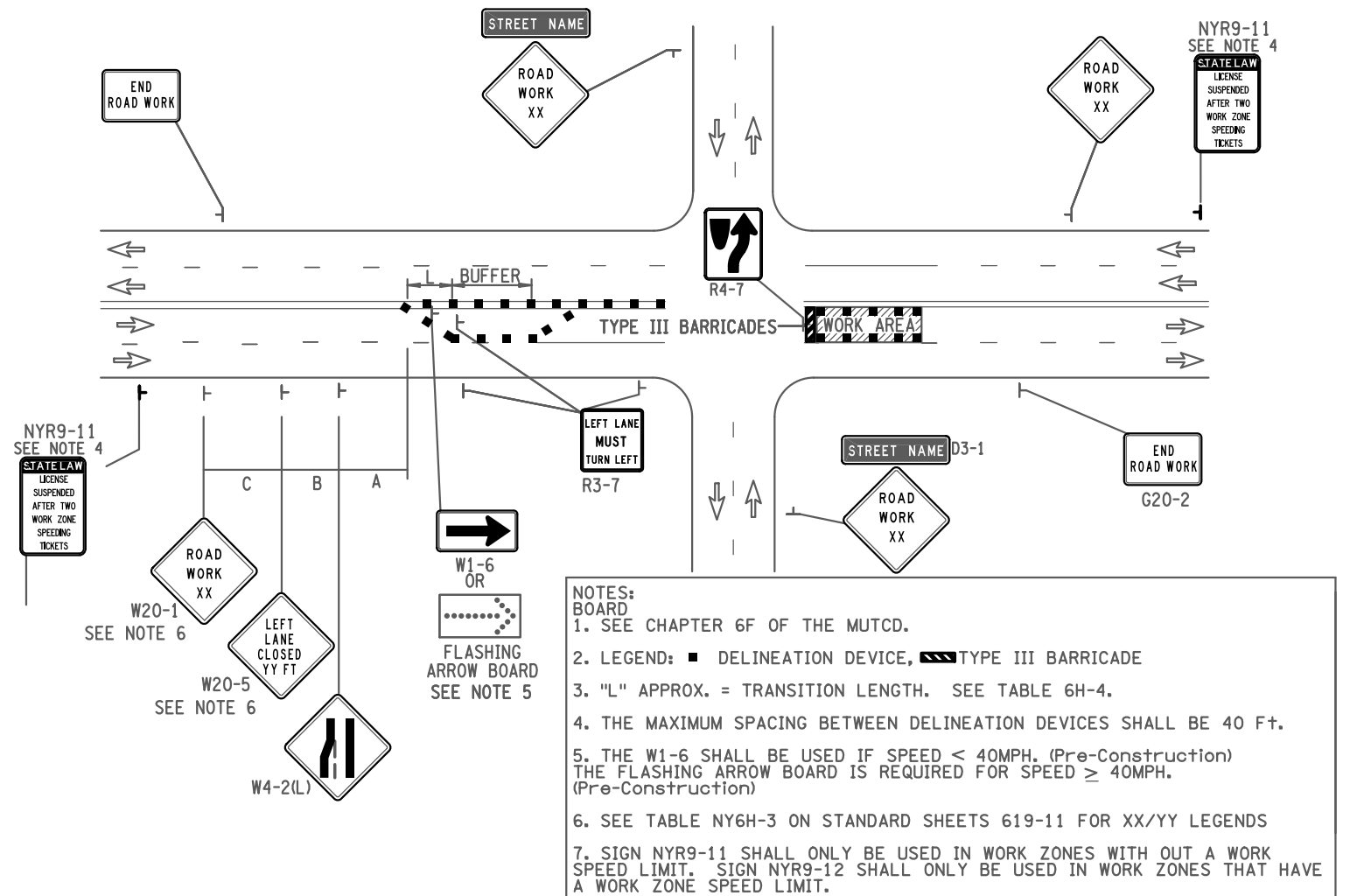
(TRAFFIC MAINTAINED THROUGH PROJECT)



NOTES:

1. THE W20-1 SIGN SHALL ONLY BE DISPLAYED WHEN THERE ARE NO OTHER COUNTDOWN SIGNS NEEDED. THEREFORE, IT MAY BE NECESSARY TO TEMPORARILY COVER THE W20-1 SIGN TO AVOID CONFUSION WITH THE COUNTDOWN SIGNS. THE W20-1 SIGN SHALL BE LOCATED FAR ENOUGH UPSTREAM, SO IT DOES NOT INTERFERE WITH THE SEQUENCE OF THE COUNTDOWN SIGNS. LOCATION OF W20-1: SEE TABLE NY6H-3
2. G20-1 SIGN SHALL BE OMITTED FOR PROJECTS LESS THAN 2 MILES. THE SIGN SHALL BE PLACED AFTER THE ROAD WORK XX SIGN, BUT BEFORE ANY OTHER ROAD WORK OR COUNTDOWN SIGNS. DISTANCES SHOWN SHALL BE IN HALF MILE OR WHOLE MILE INCREMENTS. (NO DECIMALS)
3. SIGNING ADVISING MOTORISTS OF LICENSE SUSPENDED SHALL BE INSTALLED ON THE MAINLINE OF ANY HIGHWAY WORK AREA, WHEN THE WORK ENCLOSES ON A TRAVEL LANE. IT SHOULD ALSO BE USED WHERE WORK ENCLOSES ON THE SHOULDER FOR MORE THAN ONE DAY, OR WHERE WORKERS ON THE SHOULDER ARE EXPOSED TO HIGH SPEED TRAFFIC. LICENSE SUSPENDED SIGN TO BE LOCATED UPSTREAM FROM THE FIRST WARNING SIGN AS FOLLOWS:
300 FT - 500 FT FOR SPEEDS \leq 45MPH, 1,000 FT FOR SPEEDS $>$ 45 MPH.
4. SIGN NYR9-11 SHALL ONLY BE USED ON PROJECTS THAT DO NOT HAVE A WORK ZONE SPEED LIMIT

LEFT LANE CLOSURE ON FAR SIDE OF INTERSECTION



NOTES:

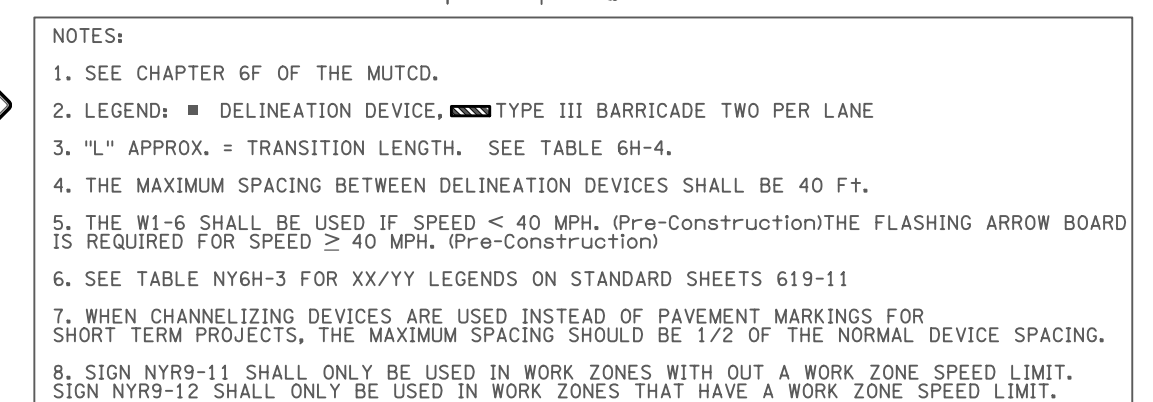
1. SEE CHAPTER 6F OF THE MUTCD.
2. LEGEND: ■ DELINEATION DEVICE, TYPE III BARRICADE
3. "L" APPROX. = TRANSITION LENGTH. SEE TABLE 6H-4.
4. THE MAXIMUM SPACING BETWEEN DELINEATION DEVICES SHALL BE 40 Ft.
5. THE W1-6 SHALL BE USED IF SPEED $<$ 40MPH. (Pre-Construction) THE FLASHING ARROW BOARD IS REQUIRED FOR SPEED \geq 40MPH. (Pre-Construction)
6. SEE TABLE NY6H-3 ON STANDARD SHEETS 619-11 FOR XX/YY LEGENDS
7. SIGN NYR9-11 SHALL ONLY BE USED IN WORK ZONES WITH OUT A WORK SPEED LIMIT. SIGN NYR9-12 SHALL ONLY BE USED IN WORK ZONES THAT HAVE A WORK ZONE SPEED LIMIT.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED WZTC TYPICAL 1	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					DRAWING NO. WZN-2
	TOWN OF AMHERST AND TONAWANDA					SHEET NO. 8
	COUNTY: ERIE					REGION: 05
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						
						Department of Transportation

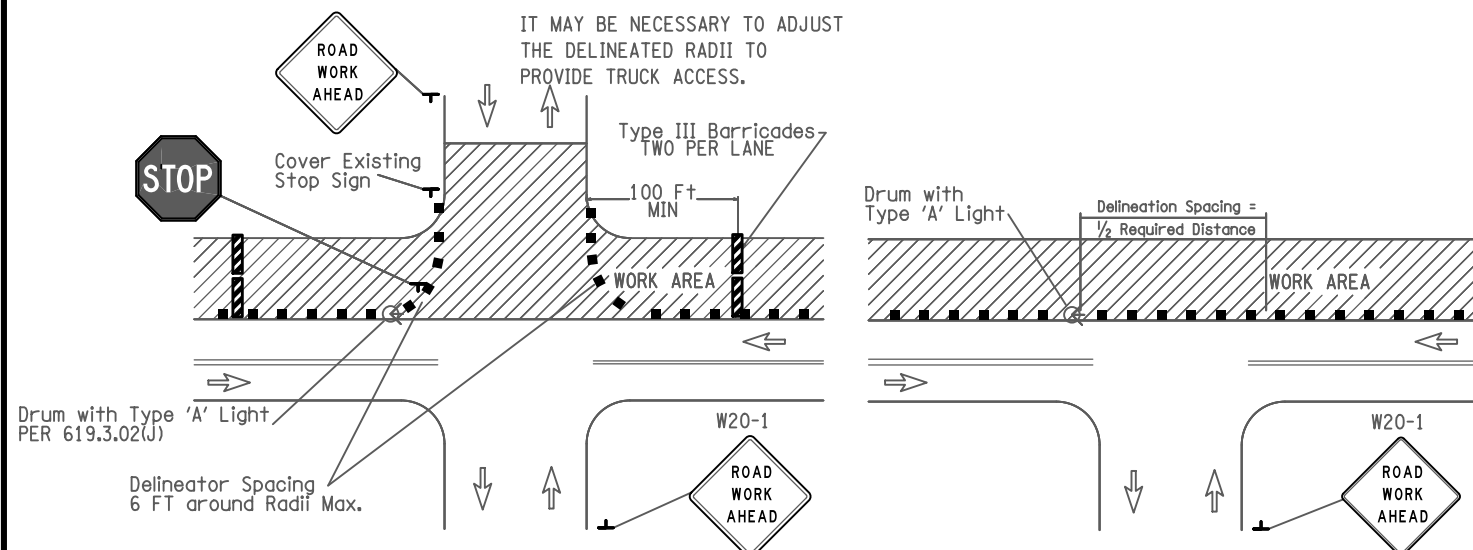


- * SPECIAL NOTE:
ALL TURN RESTRICTIONS REQUIRE PRIOR
APPROVAL BY THE REGIONAL TRAFFIC ENGINEER

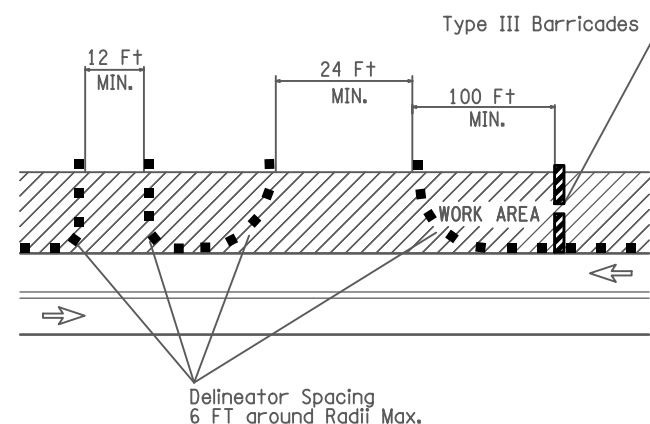


 **NEW YORK**
STATE OF
OPPORTUNITY.

INTERSECTION TREATMENT



TYPICAL DELINEATION FOR DRIVEWAY ENTRANCES



DRIVEWAY TREATMENTS

THE CONTRACTOR MUST MAINTAIN AT LEAST ONE DRIVEWAY
ENTRANCE TO ALL COMMERCIAL PROPERTIES.

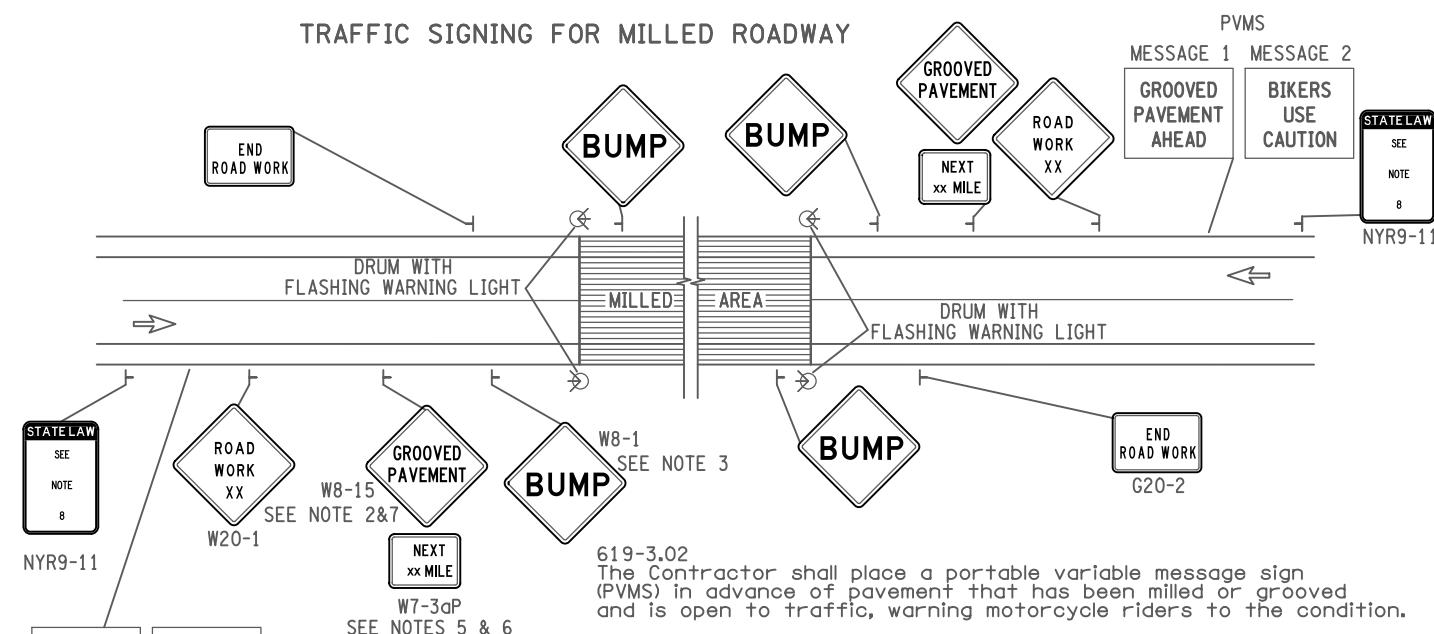
WHEN IT IS NECESSARY TO CLOSE A COMMERCIAL DRIVEWAY DUE TO CONSTRUCTION OPERATIONS, THE CONTRACTOR MUST PROVIDE A TEMPORARY DRIVEWAY TO THE PROPERTY UNLESS THE WORK IS COMPLETED DURING THE ESTABLISHMENTS NON-WORKING HOURS.

THE CONTRACTOR MUST NOTIFY THE PROPERTY OWNER AT LEAST 24 HOURS IN ADVANCE OF CLOSING THE DRIVEWAY.

A MINIMUM OF 6 DELINEATION DEVICES SHOULD BE USED AROUND THE RADIUS FOR EITHER DRIVEWAYS AND/OR INTERSECTIONS

* SEE CONST. SPECIFICATION 619-3.02(J) FOR MORE DETAILS.

TRAFFIC SIGNING FOR MILLED ROADWAY



NOTES:

1. SEE CHAPTER 6F OF THE M.U.T.C.D.
2. ADVANCE POSTING DISTANCE AS PER TABLE NY2C-4.
3. SIGN TO BE LOCATED AS PER TABLE NY2C-4.
4. W20-1 AND G20-2 SIGNS ARE NOT REQUIRED IF MILLED AREA IS WITHIN PROJECT LIMITS.
5. DISTANCES LESS THAN ONE MILE SHOULD BE STATED TO THE NEAREST QUARTER MILE.
DISTANCES BETWEEN ONE AND THREE MILES SHOULD BE STATED TO THE NEAREST HALF MILE.
DISTANCES OVER THREE MILES SHOULD BE STATED TO THE NEAREST WHOLE MILE.
6. WHEN GROOVED PAVEMENT EXTENDS FOR LONG DISTANCE, ADDITIONAL W8-15 WITH SUPPLEMENTAL W7-3dP PANELS SHALL BE POSTED AS FOLLOWS:

<u>GROOVED PAVEMENT DISTANCE</u>	<u>SUPPLEMENTAL POSTING DISTANCE</u>
LESS THAN ONE MILE	EVERY QUARTER MILE
BETWEEN ONE AND THREE MILES	EVERY HALF MILE
GREATER THAN THREE MILES	EVERY WHOLE MILE
- WHEN THE W8-15 IS LOCATED WITHIN 1,000 FT OF MILLED AREA, THE W7-3dP PANEL SHALL BE OMITTED.
7. ADDITIONAL SIGNING, SUPPLEMENTED WITH AUXILIARY MILEAGE SUBPANELS MAY BE REQUIRED AT APPROPRIATE INTERVALS
8. SIGN NYR9-11 SHALL ONLY BE USED IN WORK ZONES WITH OUT A WORK ZONE SPEED LIMIT. SIGN NYR9-12 SHALL ONLY BE USED IN WORK ZONES THAT HAVE A WORK ZONE SPEED LIMIT.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
--------------------	----------------------------------	--------------------



ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

PAVEMENT REHABILITATION PROJECT

US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193

TOWN OF AMHERST AND TONAWANDA

COUNTY: ERIE

REGION: 05

	PIN 5814.37
	US 62

US 62

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

WZTC TYPICAL 3

CONTRACT NUMBER
D264643

DRAWING NO. WZN-4
SHEET NO. 10

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FILE NAME = 581437.opb.wztc.typ-4
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

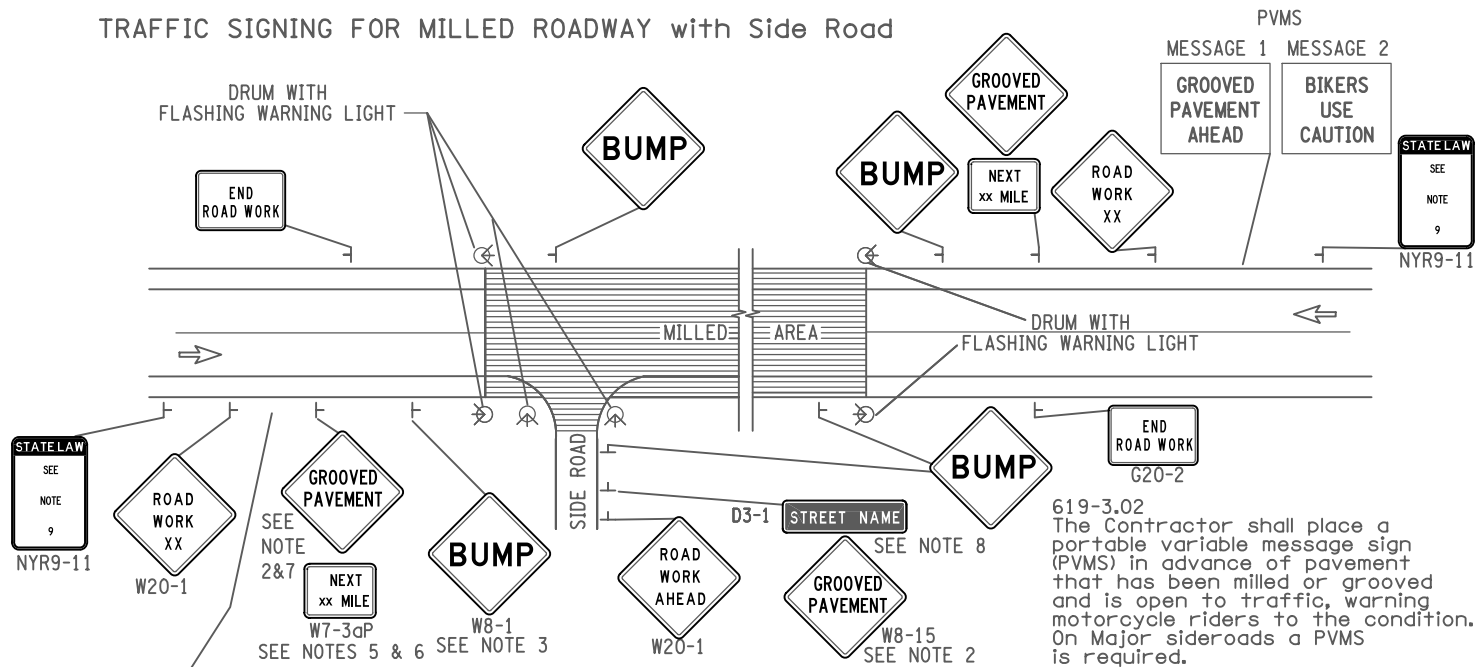
CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

TRAFFIC SIGNING FOR MILLED ROADWAY with Side Road



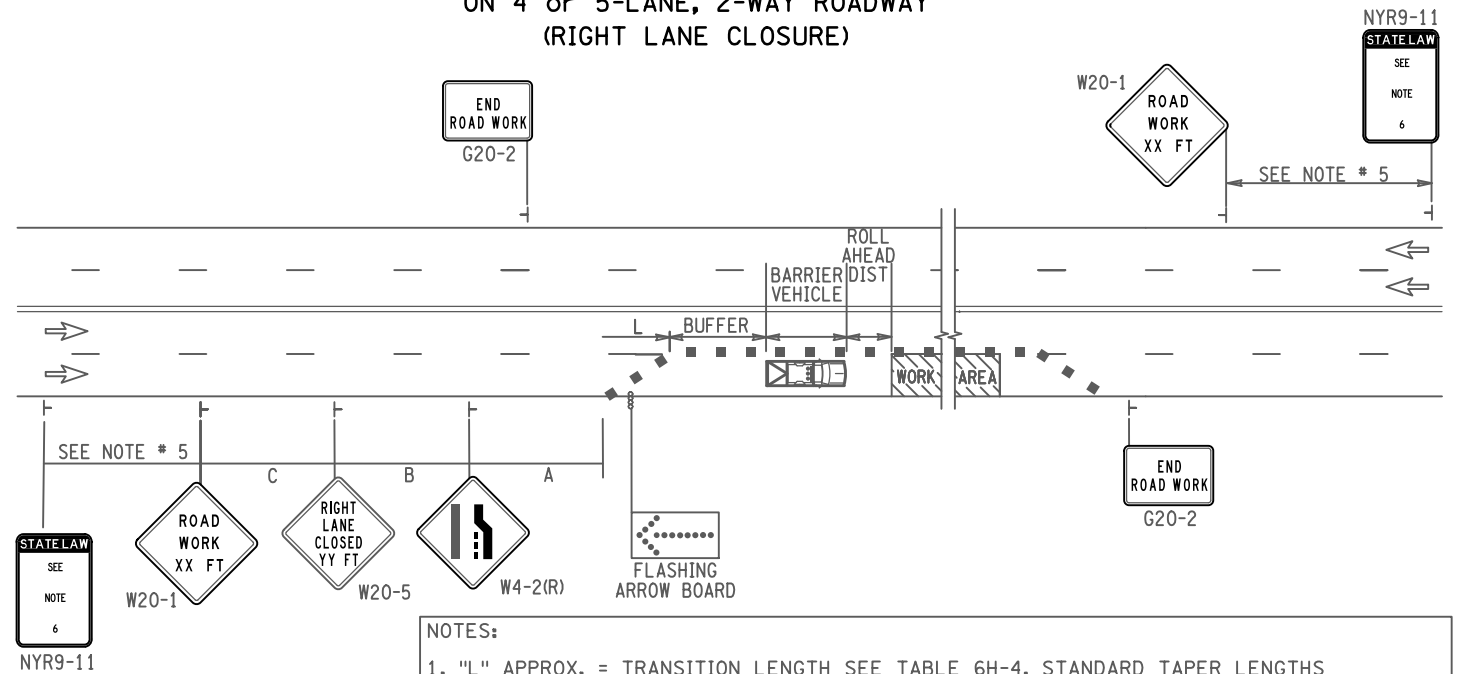
NOTES:

1. SEE CHAPTER 6F OF THE M.U.T.C.D.
2. ADVANCE POSTING DISTANCE AS PER TABLE NY2C-4.
3. SIGN TO BE LOCATED AS PER TABLE NY2C-4.
4. W20-1 AND G20-2 SIGNS ARE NOT REQUIRED IF MILLED AREA IS WITHIN PROJECT LIMITS.
5. DISTANCES LESS THAN ONE MILE SHOULD BE STATED TO THE NEAREST QUARTER MILE. DISTANCES BETWEEN ONE AND THREE MILES SHOULD BE STATED TO THE NEAREST HALF MILE. DISTANCES OVER THREE MILES SHOULD BE STATED TO THE NEAREST WHOLE MILE.
6. WHEN GROOVED PAVEMENT EXTENDS FOR LONG DISTANCE, ADDITIONAL W8-15 WITH SUPPLEMENTAL W7-3aP PANELS SHALL BE POSTED AS FOLLOWS:

GROOVED PAVEMENT DISTANCE	SUPPLEMENTAL POSTING DISTANCE
LESS THAN ONE MILE	EVERY QUARTER MILE
BETWEEN ONE AND THREE MILES	EVERY HALF MILE
GREATER THAN THREE MILES	EVERY WHOLE MILE

WHEN THE W8-15 IS LOCATED WITHIN 1,000 FT OF MILLED AREA, THE W7-3aP PANEL SHALL BE OMITTED.
7. ADDITIONAL SIGNING, SUPPLEMENTED WITH AUXILIARY MILEAGE SUBPANELS MAY BE REQUIRED AT APPROPRIATE INTERVALS
8. WHEN SIDE STREET IS MILLED AS WELL, THE STREET NAME SIGN IS NOT REQUIRED.
9. SIGN NYR9-11 SHALL ONLY BE USED IN WORK ZONES WITH OUT A WORK ZONE SPEED LIMIT. SIGN NYR9-12 SHALL ONLY BE USED IN WORK ZONES THAT HAVE A WORK ZONE SPEED LIMIT.

WORK ZONE TRAFFIC CONTROL FOR WORK AREA ON 4 or 5-LANE, 2-WAY ROADWAY (RIGHT LANE CLOSURE)



NOTES:

1. "L" APPROX. = TRANSITION LENGTH SEE TABLE 6H-4, STANDARD TAPER LENGTHS
2. "BU" APPROX. = BUFFER ZONE, SEE TABLE 6C-2, LONGITUDINAL BUFFER
3. THE MAXIMUM SPACING BETWEEN DELINEATION DEVICES SHALL 40 FT. MAX.
4. "L" DISTANCE SHOULD BE PROVIDED WHERE NO INTERFERENCE OCCURS WITH SIDEROADS OR INTERCHANGES, IF AN INTERSECTION FALLS WITHIN THE "L" DISTANCE THEN THE FULL TAPER SHALL BE COMPLETED BEFORE THE INTERSECTION.
5. INSTALL SIGN 1000 FT. UPSTREAM OF THE WARNING SIGN ON HIGHWAYS WITH THE 85TH PERCENTILE SPEEDS EQUAL TO OR GREATER THAN 45 MPH AND 300 FT.-500 FT. UPSTREAM FOR SPEEDS UNDER 45 MPH.
6. SIGN NYR9-11 SHALL ONLY BE USED IN WORK ZONES WITH OUT A WORK ZONE SPEED LIMIT. SIGN NYR9-12 SHALL ONLY BE USED IN WORK ZONES THAT HAVE A WORK SONE SPEED LIMIT.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED WZTC TYPICAL 4	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					DRAWING NO. WZN-5
	TOWN OF AMHERST AND TONAWANDA					SHEET NO. 11
	COUNTY: ERIE REGION: 05					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						
						Department of Transportation

FILE NAME = 581437.opb.wztc.typ.5
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI


CHECK JOHN M. WENTZ


PROJECT MANAGER S. SINGH

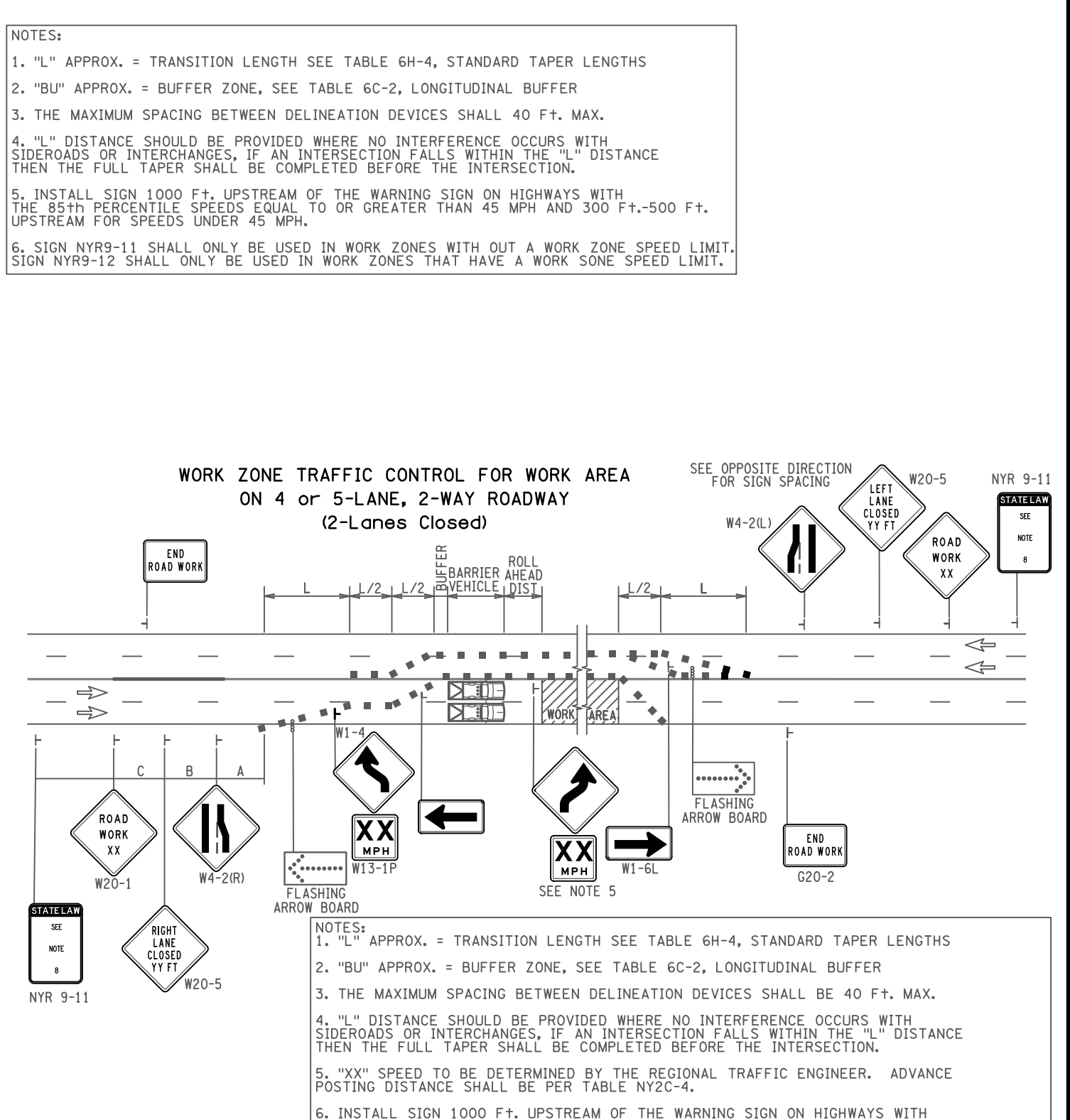
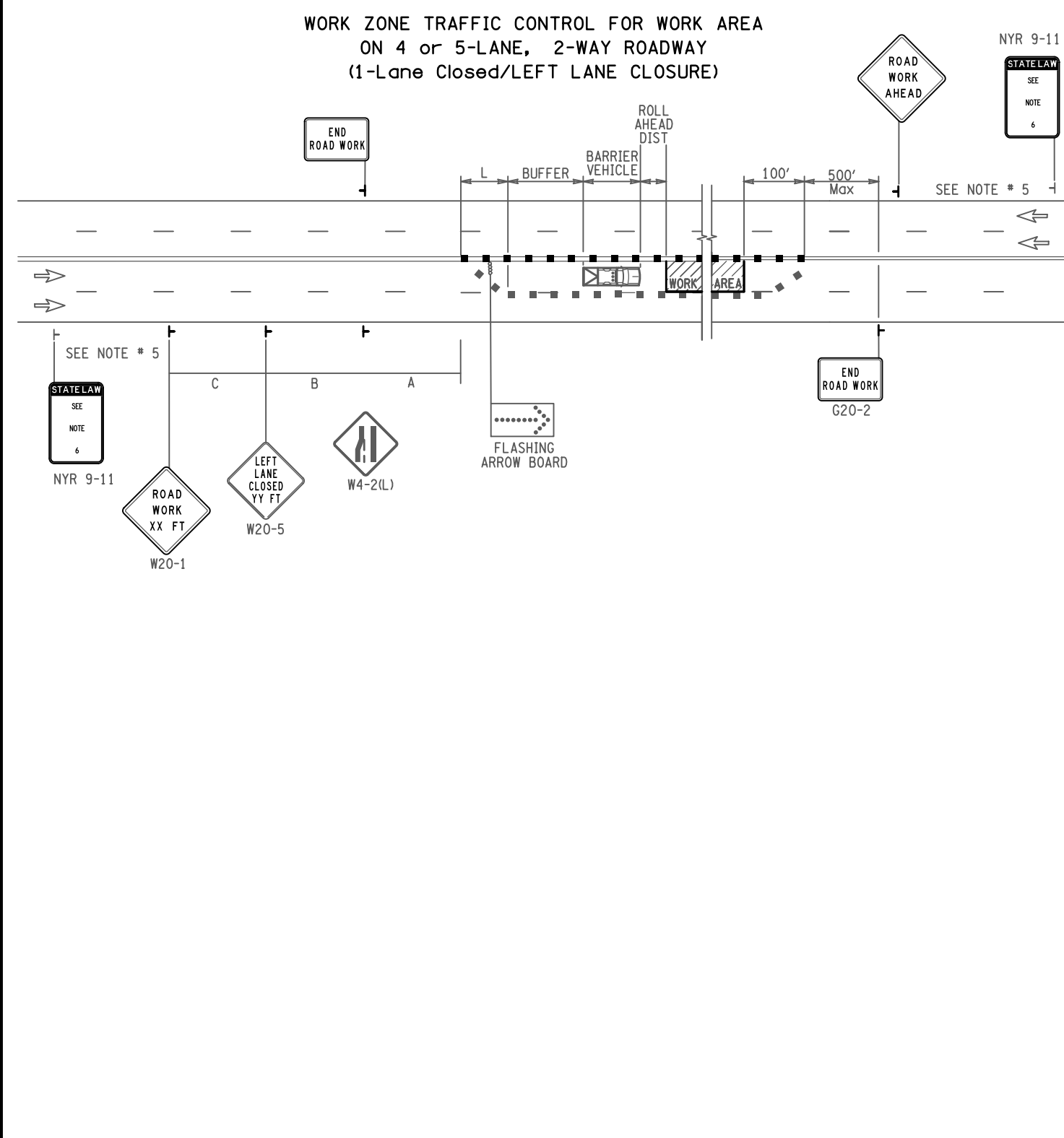
AFFIX SEAL:
ON:

John M. Wentz, P.E.
8/26/2021

ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT		PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED		CONTRACT NUMBER D264643			
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					WZTC TYPICAL 5		DRAWING NO. WZN-6 SHEET NO. 12			
	TOWN OF AMHERST AND TONAWANDA										
	COUNTY: ERIE					REGION: 05					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.											
								 NEW YORK STATE OF OPPORTUNITY.		Department of Transportation	



FILE NAME = 581437_cph.misc.tbl.1
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH


DRAINAGE TABLE								
STRUCTURE	LOCATION	OFFSET	ITEM 604.070501 (EA)	ITEM 604.070502 (EA)	ITEM 604.070503 (EA)	ITEM 604.070504 (EA)	ITEM 655.1103 (EA)	COMMENTS
NB DS-1	STA. B 8+83	50', RT	1					
NB DS-3	STA. B 11+66	50', RT		1				
NB DS-4	STA. B 13+24	48', RT	1					
NB DS-5	STA. B 15+51	43', RT		1				
NB DS-6	STA. B 17+42	43', RT	1					
NB DS-7	STA. B 19+19	47', RT		1				
NB DS-9	STA. B 19+82	68', RT		1				
NB DS-10	STA. B 22+47	43', RT	1					
NB DS-13	STA. B 27+63	43', RT	1				1	GRATE 3
NB DS-14	STA. B 29+14	43', RT			1		1	GRATE 3
NB DS-15	STA. B 30+77	43', RT		1				
NB DS-16	STA. B 32+49	42', RT	1				1	GRATE 3
NB DS-18	STA. B 35+73	41', RT	1					
NB DS-19	STA. B 37+49	44', RT			1			
NB DS-20	STA. B 39+04	47', RT	1					
NB DS-21	STA. B 40+84	58', RT		1				
NB DS-22	STA. B 42+59	61', RT			1			
NB DS-23	STA. B 44+22	52', RT	1					
NB DS-24	STA. B 44+56	51', RT		1				
NB DS-25	STA. B 46+04	51', RT		1				
NB DS-26	STA. B 47+85	51', RT	1					
NB DS-29	STA. B 51+28	43', RT	1					
NB DS-30	STA. B 52+77	43', RT		1				
NB DS-31	STA. B 54+25	43', RT	1					
NB DS-32	STA. B 55+94	43', RT					1	GRATE 3
NB DS-34	STA. B 59+35	43', RT					1	GRATE 3
NB DS-35	STA. B 60+57	43', RT					1	GRATE 3
NB DS-36	STA. B 62+89	43', RT					1	GRATE 3
NB DS-42	STA. B 67+65	43', RT	1					
NB DS-43	STA. B 69+14	43', RT		1			1	GRATE 3
NB DS-52	STA. A 78+16	43', RT	1				1	GRATE 3
SB DS-5	STA. B 75+67	43', LT			1			
SB DS-6	STA. B 74+14	43', LT		1			1	GRATE 3
SB DS-7	STA. B 72+37	43', LT			1			
SB DS-8	STA. B 69+34	43', LT			1			
SB DS-11	STA. B 67+22	76', LT	1					
SB DS-12	STA. B 66+88	43', LT	1					
SB DS-13	STA. B 65+74	43', LT	1					
SB DS-14	STA. B 64+64	43', LT	1					
SB DS-15	STA. B 62+86	43', LT	1					
SB DS-22	STA. B 54+14	43', LT	1					
SB DS-23	STA. B 52+08	43', LT	1					
SB DS-31	STA. B 43+94	50', LT		1				
SB DS-32	STA. B 42+68	50', LT	1					
SB DS-33	STA. B 41+15	48', LT			1			
SB DS-34	STA. B 39+83	46', LT	1					
SB DS-36	STA. B 36+17	46', LT	1					
SB DS-37	STA. B 34+19	45', LT		1				
SB DS-38	STA. B 32+47	44', LT					1	GRATE 3
SB DS-39	STA. B 31+08	44', LT					1	GRATE 3
SB DS-40	STA. B 29+42	43', LT	1					
SB DS-44	STA. B 25+94	43', LT		1				
SB DS-53	STA. B 13+14	51', LT				1		
SB DS-54	STA. B 11+65	53', LT				1		
SB DS-55	STA. B 10+05	53', LT				1		
TOTALS			25	14	7	3	12	

DRAINAGE TABLE CONT'D			
STRUCTURE	LOCATION	OFFSET	ITEM 604.070505 (EA)
ASMH-1	STA. B 9+43	44', LT	1
ASMH-2	STA. B 12+41	45', LT	1
ASMH-7	STA. B 27+57	46', LT	1
ASMH-9	STA. B 33+39	45', LT	1
ASMH-10	STA. B 36+43	41', LT	1
ASMH-11	STA. B 39+62	43', LT	1
ASMH-12	STA. B 42+92	46', LT	1
ASMH-16	STA. B 45+61	48', RT	1
NB DMH-3	STA. B 46+05	39', RT	1
ASMH-17	STA. B 48+44	46', RT	1
ASMH-18	STA. B 49+62	48', LT	1
ASMH-21	STA. B 57+46	41', LT	1
NB DMH-5	STA. B 57+62	35', LT	1
ASMH-22	STA. B 59+39	44', LT	1
NB DMH-6	STA. B 64+53	43', LT	1
ASMH-28	STA. B 72+43	47', LT	1
NB DMH-8	STA. B 73+76	46', LT	1
ASMH-29	STA. B 75+43	47', LT	1
SB DMH-1	STA. B 78+11	24', LT	1
TSMH-1	STA. B 78+08	47', RT	1
SB DMH-3	STA. B 70+94	24', RT	1
SB DMH-4	STA. B 67+64	24', RT	1
SB DMH-5	STA. B 64+64	24', LT	1
SB DMH-6	STA. B 61+15	24', LT	1
TSMH-6	STA. B 60+30	44', RT	1
TSMH-7	STA. B 59+75	49', RT	1
SB DMH-7	STA. B 59+68	24', LT	1
SB DMH-8	STA. B 57+65	24', LT	1
SB DMH-9	STA. B 54+15	24', RT	1
TSMH-10	STA. B 51+36	40', LT	1
SB DMH-10	STA. B 50+65	24', LT	1
TSMH-11	STA. B 48+17	41', LT	1
SB DMH-11	STA. B 47+13	23', LT	1
TSMH-12	STA. B 45+31	46', LT	1
SB DMH-12	STA. B 44+37	23', LT	1
SB DMH-13	STA. B 43+66	32', LT	1
TSMH-14	STA. B 43+00	43', LT	1
SB DMH-14	STA. B 41+99	25', LT	1
SB DMH-15	STA. B 39+61	28', RT	1
SB DMH-16	STA. B 36+20	27', RT	1
SB DMH-17	STA. B 32+47	25', RT	1
SB DMH-18	STA. B 29+42	24', LT	1
TSMH-18	STA. B 27+74	45', LT	1
SB DMH-19	STA. B 25+92	25', LT	1
SB DMH-20	STA. B 22+65	24', LT	1
SB DMH-21	STA. B 19+25	24', LT	1
SB DMH-22	STA. B 15+46	24', LT	1
TSMH-23	STA. B 13+63	46', LT	1
TSMH-24	STA. B 12+02	46', LT	1
SB DMH-23	STA. B 11+65	25', LT	1
TSMH-25	STA. B 9+47	47', LT	1
TOTALS			51

ADJUSTMENT OF VERIZON MANHOLES (COMPLETED BY UTILITY OWNER)			
STRUCTURE	LOCATION	OFFSET	QUANTITY
VMH 1A47	STA. B 7+19	40', LT	1
VMH 1A48	STA. B 13+40	40', LT	1
VMH 1A49	STA. B 19+21	51', LT	1
VMH 1A50	STA. B 24+88	52', LT	1

ADJUSTMENT OF GAS VALVES (COMPLETED BY UTILITY OWNER)		
LOCATION	OFFSET	QUANTITY
STA. B 7+34	48', RT	1
STA. B 7+37	46', RT	1
STA. B 7+39	48', RT	1
STA. B 30+15	48', RT	1
STA. B 30+17	47', RT	1
STA. B 30+18	48', RT	1



ITEM NO.	DESCRIPTION OF WORK
ITEM 604.070501	MINOR REPAIR TO STRUCTURE WITHIN THE TOP TWELVE INCHES OF THE STRUCTURE AND PARGING
ITEM 604.070502	COMPLETE REBUILD OF ONE WALL OF STRUCTURE/ MINOR REPAIRS TO ENTIRE HEIGHT OF STRUCTURE AND PARGING
ITEM 604.070503	COMPLETE REBUILD OF MULTIPLE WALLS OF STRUCTURE
ITEM 604.070504	REBUILDING OF TOP SLAB OF SIDE INLET STRUCTURES
ITEM 604.070505	ADJUSTMENT TO FINAL PAVEMENT ELEVATION OF MANHOLE





AFFIX SEAL: John M. Wentz, P.E. ON: 8/26/2021	ALTERED BY: ON:
	

ADJUSTMENT OF NATIONAL GRID MANHOLES (COMPLETED BY UTILITY OWNER)			
STRUCTURE	LOCATION	OFFSET	QUANTITY
NGMH 1110	STA. B 19+73	40', LT	1

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193 TOWN OF AMHERST AND TONAWANDA COUNTY: ERIE REGION: 05
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.	

PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
MISC. TABLES				DRAWING NO. MST-1 SHEET NO. 13

TEXT NUMBER	LOCATION NUMBER	ITEM NUMBER	PAYMENT FACTOR	TOTAL QUANTITY	TEXT WxH (in)	M.U.T.C.D. NUMBER	MOUNT
1	1, 2, 4, 5, 6, 11	645.5102	5.00 ft ²	30.00 ft ²	 24 x 30	R4-07	GR MTD
		645.81	1 EA	6 EA			
		6					
2	3, 7, 8, 9	645.5102	6.75 ft ²	27.00 ft ²	 54 x 18	R6-01R	GR MTD
		645.81	2 EA	8 EA			
		4					

LEGEND	
SYMBOL	DESCRIPTION
GR MTD OH MTD BR MTD PO MTD B-B	GROUND MOUNTED OVERHEAD MOUNTED BRIDGE MOUNTED POLE MOUNTED BACK TO BACK
	NEW SIGN LOCATION NUMBER TEXT NUMBER
	SIGN REMOVAL
	RELOCATE TO POSITION SHOWN
	TO REMAIN


GENERAL NOTES

SIGN ASSEMBLY & POST FOUNDATION REMOVAL TABLE	
ITEM NUMBER & DESCRIPTION	TOTAL
ITEM 647.61 - REMOVE & DISPOSE SIGNS, GR MTD TYPE A SIGN SUPPORTS AND FOUNDATIONS - SIZE 1 (UNDER 30 SF)	10 Ea.
LOCATION *	
1, 2, 3, 4, 5, 6, 8, 9, 10, 11	

205 ITEMS			
ITEM NO.	DESCRIPTION	QTY	UNIT
205.0201	SEGREGATION AND STORAGE OF CONTAMINATED SOILS	1	LS
205.03	FIELD ORGANIC VAPOR MONITORING OF CONTAMINATED SOIL	12	HR
205.0401	PETROLEUM CONTAMINATION PARAMETER ANALYSIS (OR ONE OF	2	EA
205.0402	LABORATORY ANALYSIS FOR HAZARDOUS WASTE RCRA TOXICITY	1	EA
205.0403	LABORATORY ANALYSIS FOR IGNITABILITY	1	EA
205.0404	LABORATORY ANALYSIS FOR PH	1	EA
205.0405	LABORATORY ANALYSIS FOR PCBS	1	EA
205.050201	DISPOSAL OF CONTAMINATED NON-HAZARDOUS WASTE SOIL	3	TON

CURB TABLE											
ITEM 203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL										
ITEM 304.12	SUBBASE COURSE, TYPE II										
ITEM 503.1010	PCC FOUNDATION FOR PAVEMENT, CLASS C										
ITEM 608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS										
ITEM 609.0403	CAST-IN-PLACE CONCRETE CURB TYPE M150										
ITEM 610.1402	TOPSOIL - ROADSIDE										
ITEM 610.1602	TURF ESTABLISHMENT - LAWNS										
ITEM 627.50140008	CUTTING PAVEMENT										
LOCATION			TYPE	203.02 (CY)	304.12 (CY)	503.1010 (CY)	608.0101 (CY)	609.0403 (LF)	610.1402 (CY)	610.1602 (SY)	627.50140008 (LF)
BEGIN STATION	END STATION	SIDE									
B 17+64	B 18+85	CENTER	M150	31	31	8	4	246	-	-	246
B 20+01	B 22+03	CT RT	M150	26	26	7	4	204	-	-	204
B 20+01	B 25+16	CT LT	M150	66	66	17	7	515	5	41	515
B 25+54	B 25+74	CT LT	M150	3	3	1	-	20	1	2	20
B 27+47	B 27+62	CENTER	M150	4	4	1	1	34	-	-	34
B 28+57	B 28+76	CENTER	M150	5	5	1	1	42	-	-	42
B 29+44	B 29+59	CT LT	M150	2	2	1	1	15	-	-	15
B 32+40	B 33+00	CENTER	M150	16	16	4	2	124	-	-	124
B 44+00	B 44+05	CENTER	M150	1	1	-	-	10	-	-	10
B 50+79	B 50+99	CENTER	M150	5	5	1	1	40	-	-	40
B 51+86	B 52+03	CT RT	M150	2	2	1	1	17	-	-	17
B 60+58	B 60+68	CENTER	M150	3	3	1	1	24	-	-	24
B 61+83	B 62+09	CT LT	M150	3	3	1	1	26	-	-	26
B 66+33	B 66+43	CT LT	M150	1	1	1	1	10	-	-	10
B 68+80	B 68+95	CT RT	M150	2	2	1	1	15	-	-	15
			TOTALS	169	169	46	26	1342	6	43	1342

CURB TABLE												
ITEM 203.02	UNCLASSIFIED EXCAVATION AND DISPOSAL											
ITEM 304.12	SUBBASE COURSE, TYPE II											
ITEM 503.1010	PCC FOUNDATION FOR PAVEMENT, CLASS C											
ITEM 608.0101	CONCRETE SIDEWALKS AND DRIVEWAYS											
ITEM 608.020102	HOT MIX ASPHALT (HMA) SIDEWALKS, DRIVEWAYS, BICYCLE PATHS											
ITEM 609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF150											
ITEM 610.1402	TOPSOIL - ROADSIDE											
ITEM 610.1602	TURF ESTABLISHMENT - LAWNS											
ITEM 609.0401	CAST-IN-PLACE CONCRETE CURB TYPE VF150											
ITEM 627.50140008	CUTTING PAVEMENT											
LOCATION			TYPE	203.02 (CY)	304.12 (CY)	503.1010 (CY)	608.0101 (CY)	608.020102 (TON)	609.0401 (LF)	610.1402 (CY)	610.1602 (SY)	627.50140008 (LF)
BEGIN STATION	END STATION	SIDE										
B 8+44	B 8+62	LT	VF150	2	2	1	-	1	18	-	-	18
B 9+71	B 10+07	LT	VF150	5	5	1	-	1	36	-	-	36
B 11+48	B 11+70	LT	VF150	3	3	1	-	1	22	-	-	22
B 15+47	B 15+92	LT	VF150	6	6	1	-	1	45	-	-	45
B 18+71	B 18+79	LT	VF150	1	1	1	-	1	8	-	-	8
B 19+76	B 19+91	LT	VF150	2	2	1	-	1	15	-	-	15
B 25+31	B 25+54	LT	VF150	3	3	1	1	-	23	-	-	23
B 25+72	B 25+96	RT	VF150	3	3	1	-	1	24	-	-	24
B 28+36	B 29+11	RT	VF150	10	10	2	1	-	75	-	-	75
B 29+94	B 30+22	RT	VF150	4	4	1	1	-	28	-	-	28
B 30+95	B 31+65	RT	VF150	9	9	2	1	-	70	-	-	70
B 52+41	B 52+63	LT	VF150	3	3	1	-	1	22	-	-	22
B 52+80	B 53+36	RT	VF150	7	7	2	-	-	56	1	6	56
B 56+79	B 57+90	RT	VF150	14	14	4	-	-	111	1	12	111
B 58+31	B 58+86	RT	VF150	7	7	2	-	-	55	1	6	55
B 58+90	B 59+00	LT	VF150	1	1	1	-	-	10	1	1	10
B 59+18	B 59+30	RT	VF150	2	2	1	-	-	12	1	1	12
B 60+18	B 60+42	RT	VF150	3	3	1	-	-	24	1	3	24
B 60+60	B 60+79	RT	VF150	3	3	1	-	-	19	1	2	19
B 61+32	B 63+24	RT	VF150	24	24	6	-	-	192	2	22	192
B 67+67	B 68+62	RT	VF150	12	12	3	-	-	95	1	11	95
B 68+61	B 68+65	LT	VF150	1	1	1	-	-	4	1	1	4
B 69+05	B 69+31	RT	VF150	3	3	1	-	-	26	1	3	26
B 69+05	B 69+16	LT	VF150	1	1	1	-	-	11	1	1	11
B 70+27	B 70+49	RT	VF150	3	3	1	-	-	22	1	2	22
B 75+72	B 77+29	RT	VF150	20	20	5	-	-	157	2	18	157
			TOTALS	150	161	44	4	8	1180	16	89	1180

AFFIX SEAL: ON: John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193 TOWN OF AMHERST AND TONAWANDA COUNTY: ERIE REGION: 05
---	---

PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED MISC. TABLES 2	CONTRACT NUMBER D264643 DRAWING NO. MST-2 SHEET NO. 14
----------------------	---------	----------	---	---

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FILE NAME = 581437_oph.misc.dtl.1
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

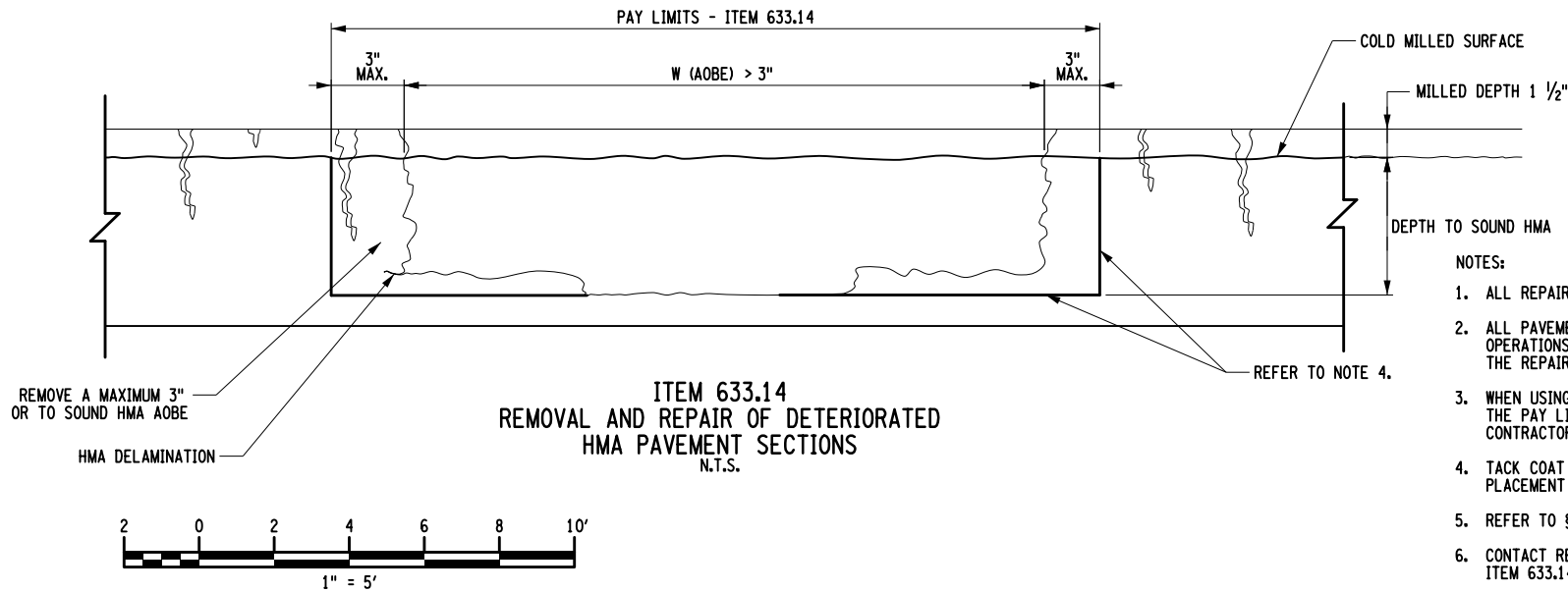
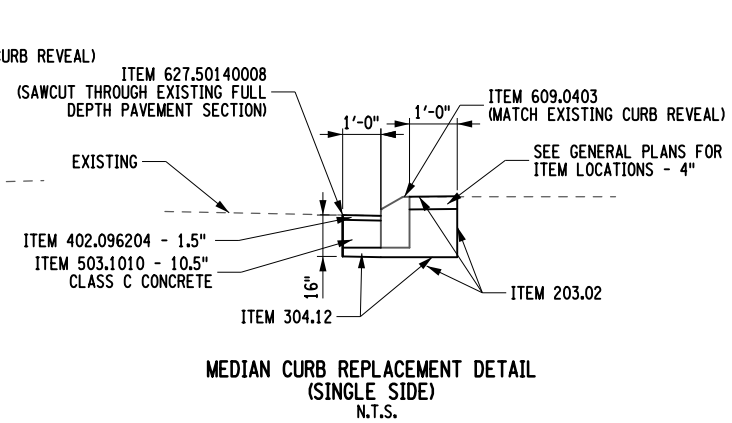
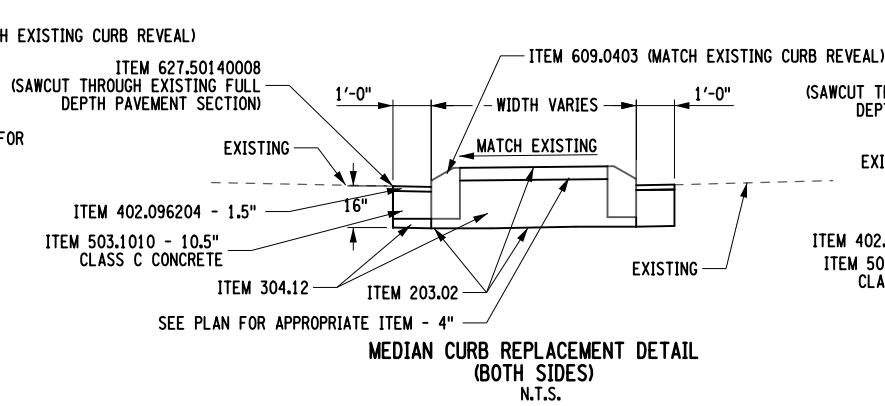
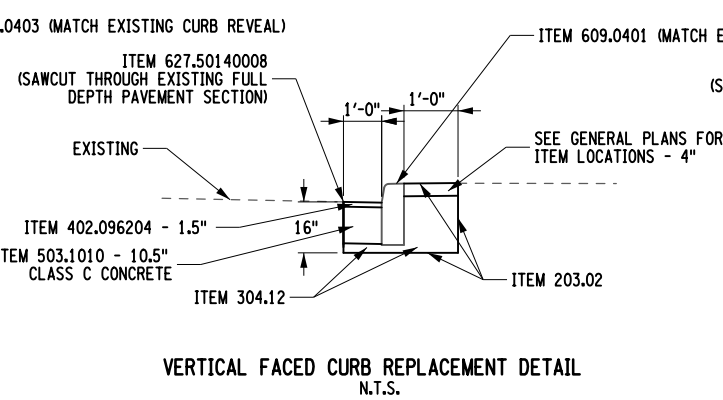
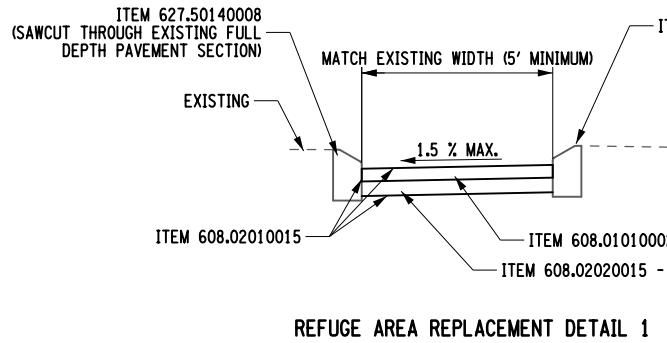
DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH



NOTES:

1. ALL REPAIR LOCATIONS ARE AS DETERMINED BY EIC.
2. ALL PAVEMENT REPAIRS SHALL BE MADE PRIOR TO THE TOP COURSE OVERLAY AND AFTER MILLING OPERATIONS. PAYMENT UNDER ITEM 633.14 WILL BE BASED ON THE FIELD MEASURED AREA OF THE REPAIR.
3. WHEN USING COLD MILLING OPERATIONS TO REMOVE DETERIORATED HMA PAVEMENT WHERE $W < 18"$, THE PAY LIMIT SHALL BE LIMITED TO 18" REGARDLESS OF THE SIZE MILLING MACHINE THE CONTRACTOR USES.
4. TACK COAT SHALL BE APPLIED TO ALL HORIZONTAL AND VERTICAL SURFACES PRIOR TO PLACEMENT OF HMA WITHIN THE REPAIR AND BETWEEN HMA LIFTS.
5. REFER TO § 633-3.03 & 3.04 FOR HMA PLACEMENT REQUIREMENTS WITHIN THE REPAIR.
6. CONTACT REGIONAL MATERIALS FOR GUIDANCE WHEN DETERMINING THE EXTENT OF WORK UNDER ITEM 633.14.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					DRAWING NO. MSD-1 SHEET NO. 15
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE REGION: 05					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						
						Department of Transportation

FILE NAME = 581437_cph.misc.dtl.2
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

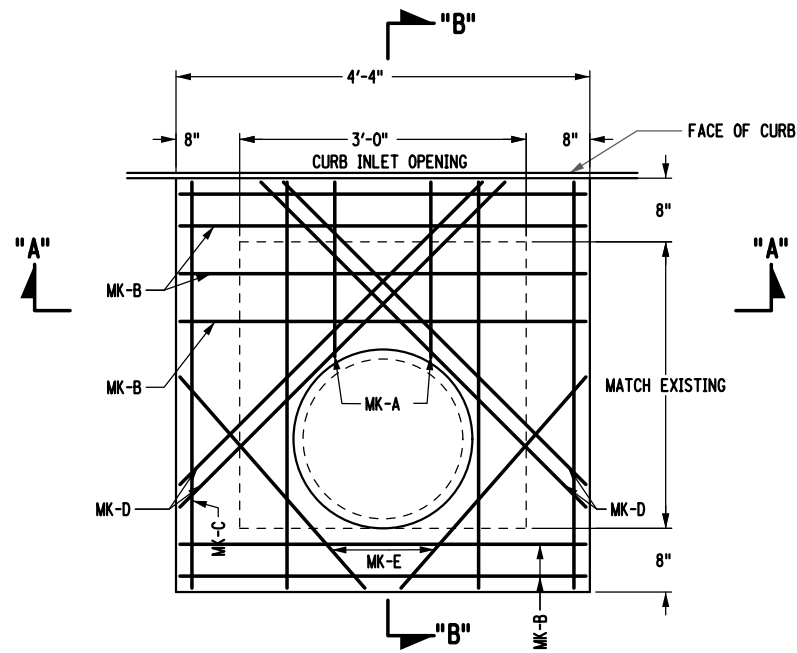
CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

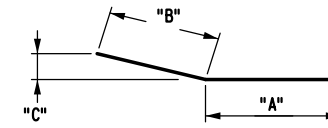
ITEM 604.070504 - ALTER DRAINAGE STRUCTURE DETAILS



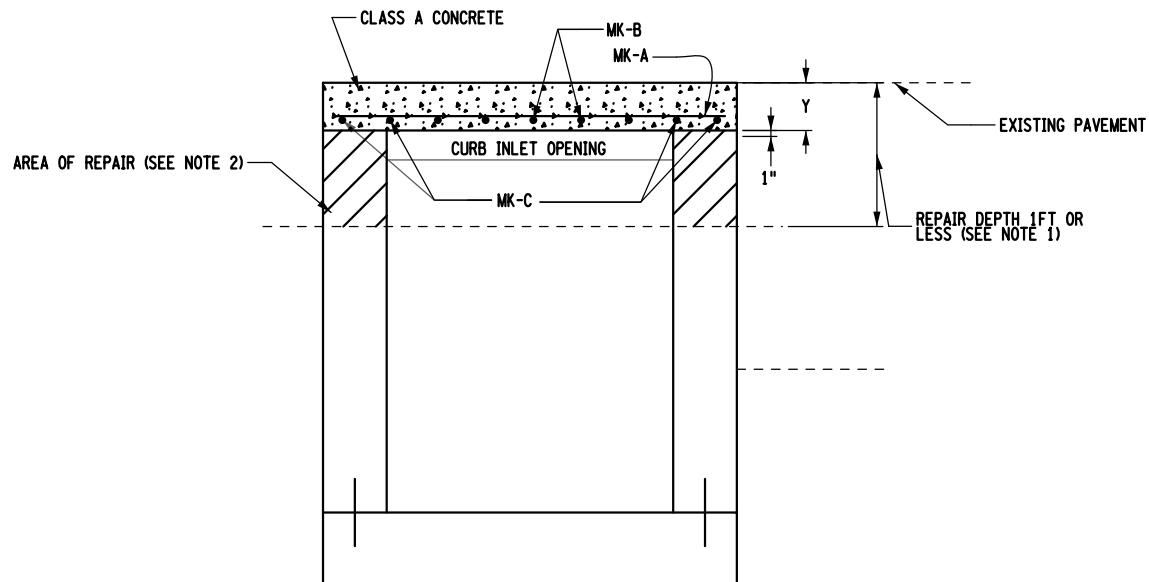
TOP SLAB REINFORCEMENT DETAIL PLAN

REINFORCEMENT BAR TABLE									
ITEM 604.070504									
SIZE	MK	LENGTH	NO.	TYPE	A	B	C	SPACING	LOCATION
#3	A	1'-3 1/2"	2	I*	8 1/2"	7"	1 5/8"	12"	ROOF SLAB
"	B	3'-10"	7	STRAIGHT				6"	" "
"	C	3'-11"	4	I*	3'-4"	7"	1 5/8"	9"	" "
"	D	3'-10"	4	STRAIGHT				6"	" "
"	E	2'-6"	2	STRAIGHT					" "

* SEE TYPE "I" DETAIL ON THIS SHEET

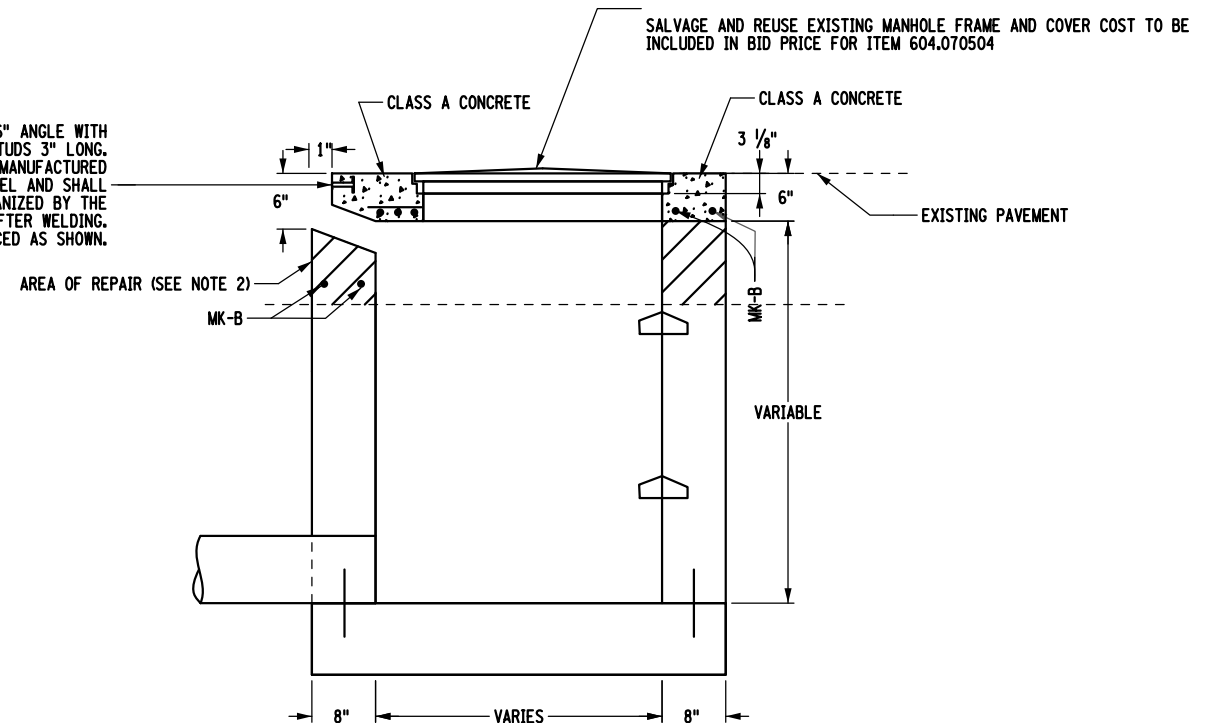


TYPE "I" BAR
N.T.S.

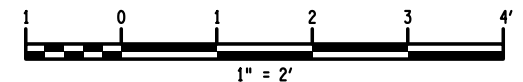


SECTION "A"-"A"

3" x 3" x 4'-4" x 5/16" ANGLE WITH 4 - 1/2" DIA. ANCHOR STUDS 3" LONG. CURB ANGLES TO BE MANUFACTURED OF STRUCTURAL STEEL AND SHALL BE HEAVILY GALVANIZED BY THE HOT DIP PROCESS AFTER WELDING. ALL BARS SPACED AS SHOWN.



SECTION "B"-"B"



NOTES:

- 1) THE PRICE OF ALL REBAR, CONCRETE AND REPAIR SHALL BE INCLUDED IN THE BID PRICE FOR ITEM 604.070504.
- 2) SEE DRAWING MSD-3 FOR EXCAVATION & REPAIR OF THIS TYPE OF DRAINAGE STRUCTURE AND PAVEMENT TO BE PAID UNDER ITEMS 604.070501, 604.070502, AND 604.070503 (NO TOP SLAB REPLACEMENT).
- 3) ITEM 604.070504 SHALL INCLUDE PROVIDING A NEW TOP SLAB FOR EACH DESIGNATED EXISTING DRAINAGE STRUCTURE.

AFFIX SEAL: John M. Wentz, P.E.
ON: 8/26/2021
ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

PAVEMENT REHABILITATION PROJECT

US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193

TOWN OF AMHERST AND TONAWANDA

COUNTY: ERIE

REGION: 05

PIN 5814.37
US 62

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

MISCELLANEOUS DETAILS 2

CONTRACT NUMBER
D264643

DRAWING NO. MSD-2
SHEET NO. 16

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FILE NAME = 581437_cph.misc.dtl.3
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

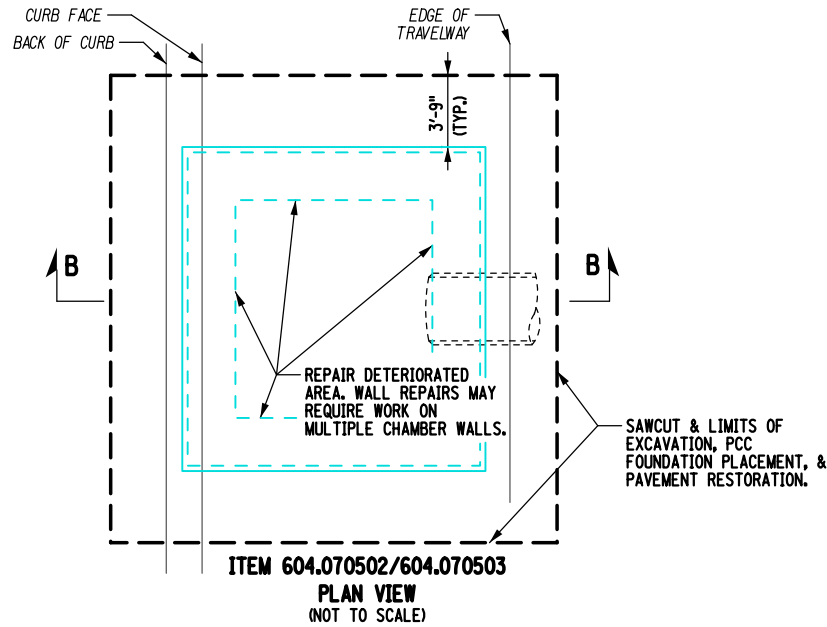
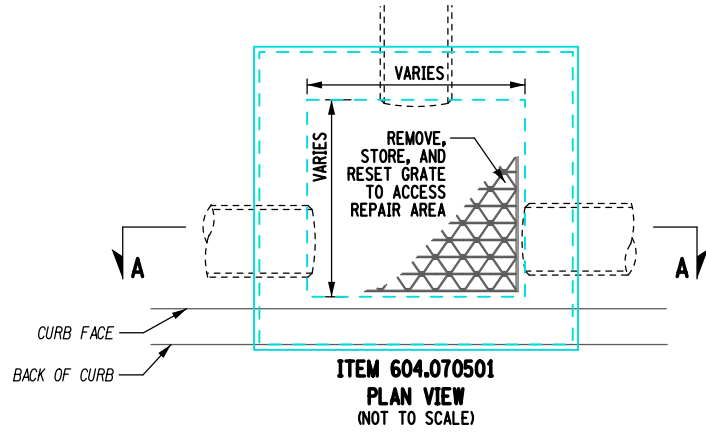
DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

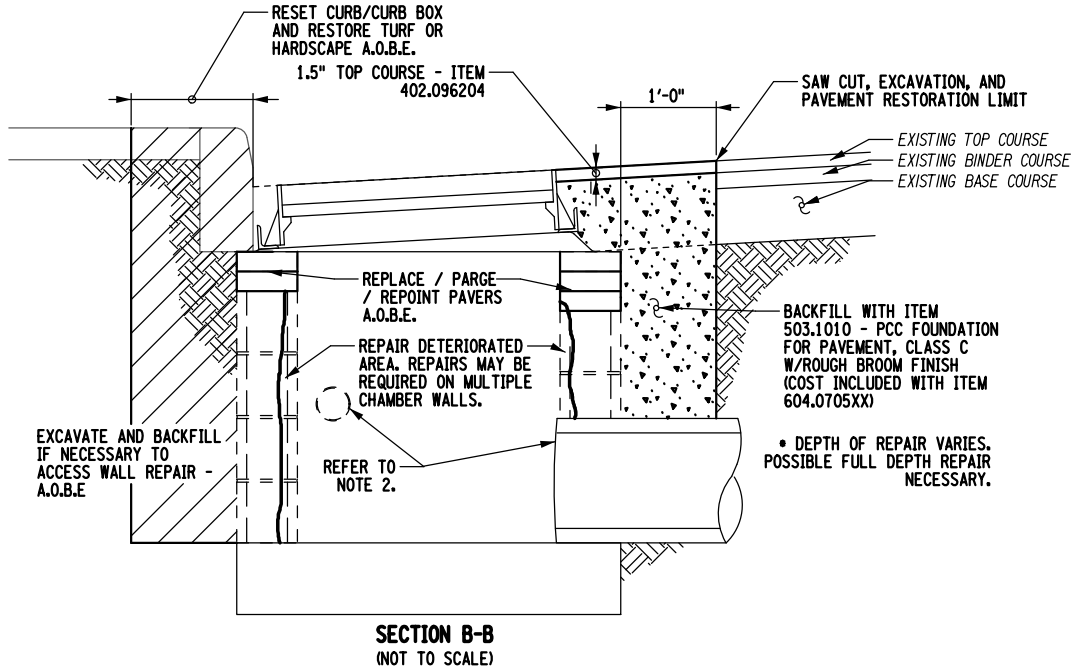
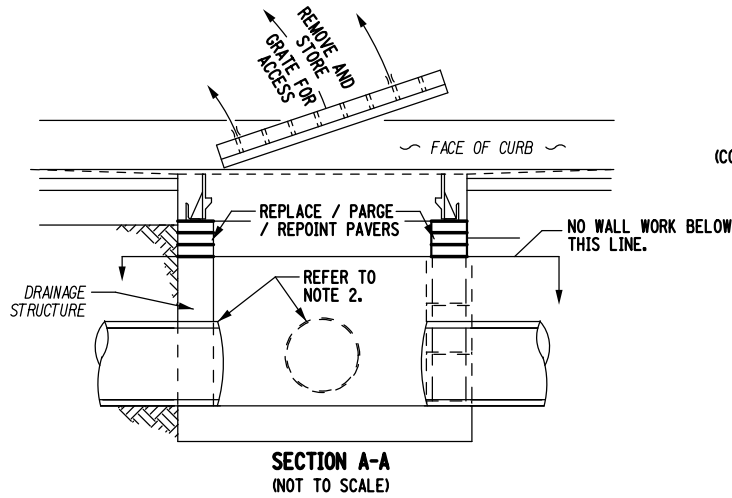
DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

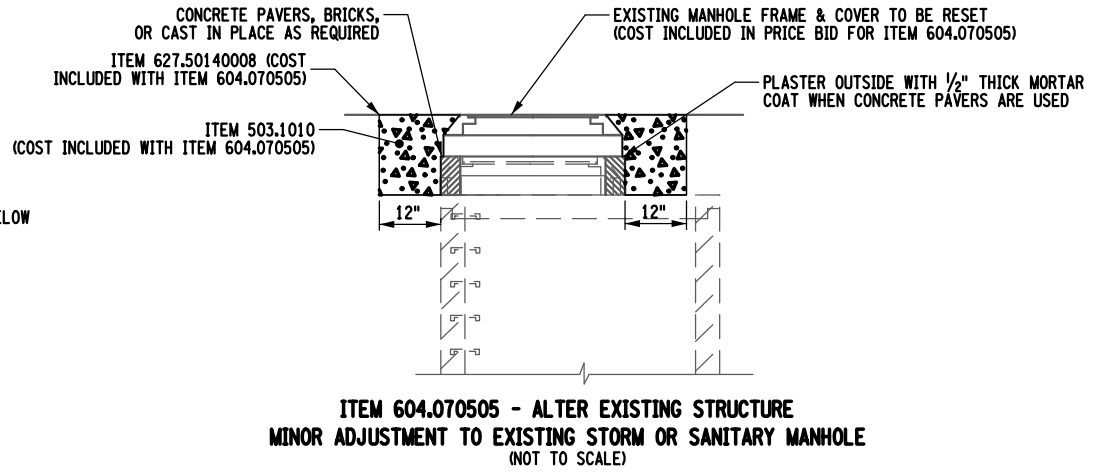


1. UNLESS OTHERWISE SHOWN ON THE DRAINAGE STRUCTURE TABLES, IT IS ASSUMED THAT THE EXISTING FRAMES AND COVERS/FRAMES AND GRATES ARE SUITABLE FOR RESETTING AFTER REPAIR OR ALTERATION WORK IS COMPLETED. RESETTNG OF EXISTING FRAMES AND COVERS/FRAMES AND GRATES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 604.0705XX. IN CASES WHERE A NEW FRAME AND GRATE IS REQUIRED, ALTERATION OR REPAIR WORK WILL BE PAID FOR UNDER ITEM 604.0705XX AND THE NEW FRAME AND GRATE/FRAME AND COVER SHALL BE PAID FOR UNDER ITEM 655.XXXX. THE ENGINEER IN CHARGE SHALL BE THE FINAL AUTHORITY IN DETERMINING WHETHER OR NOT AN EXISTING FRAME AND GRATE IS SUITABLE FOR RESETTNG. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COST ASSOCIATED WITH UNAUTHORIZED DAMAGE CAUSED BY THE REPAIR / ALTERATION OPERATION.
2. EACH ALTERED OR REPAIRED DRAINAGE STRUCTURE WILL BE REQUIRED TO BE CLEANED, TO THE BOTTOM OF THE EXISTING STRUCTURE, FOLLOWING ALL REPAIR WORK. THE COST FOR THIS CLEANING SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 604.0705XX. INLET/OUTLET PIPES OF THE EXISTING DRAINAGE STRUCTURE SHALL BE PARGED SUCH THAT NO MATERIAL IS ALLOWED TO WASH INTO THE STRUCTURE. SANITARY AND STORM MANHOLES ARE NOT REQUIRED TO BE CLEANED.



ITEM 604.0705XX - DRAINAGE STRUCTURE ALTERATIONS/REPAIR NOTES

3. ALL REPAIRED OR ALTERED DRAINAGE STRUCTURES SHALL REQUIRE A 0.5" COAT OF MASONRY MORTAR BE PLACED ON THE ENTIRE INSIDE OF THE STRUCTURE AND AROUND ALL EXISTING PIPES. THIS MATERIAL SHALL CONFORM TO THE MATERIAL REQUIREMENTS OF SUBSECTION 705-21 OF THE NEW YORK STATE STANDARD SPECIFICATIONS. THIS REQUIREMENT MAY BE WAIVED AT THE DISCRETION OF THE ENGINEER IN CHARGE FOR THE PORTIONS OF THE STRUCTURE THAT ARE EITHER PRECAST OR POURED CONCRETE. SANITARY MANHOLE ALTERATIONS WILL NOT REQUIRE THIS TREATMENT BEYOND THE DEPTH OF ALTERATION OR REPAIR.
4. THE ALTERATION OR REPAIR SHALL INCLUDE THE REMOVAL AND RESETTNG OF THE EXISTING FRAME AND GRATE/FRAME AND COVER.
5. ALL WORK AS DESCRIBED ON THIS SHEET AND THE FOLLOWING ITEMS AS SHOWN SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 604.0705XX. FOR THE PARTICULAR WORK ITEMS INDICATED BELOW THE ASSOCIATED NYSDOT SPECIFICATIONS: DESCRIPTION, MATERIALS, AND CONSTRUCTION DETAILS APPLY:
 - A. EXCAVATION - PER ITEM 206.0201
 - B. SELECT GRANULAR FILL - PER ITEM 203.07
 - C. SUBBASE COURSE, TYPE 2 - PER ITEM 304.12
 - D. TACK COAT - PER ITEM 407.0102
 - E. CONCRETE CLASS 'C', CLASS 'A' - PER ITEM 503.1010
 - F. HMA BINDER AND BASE - PER ITEMS 402.198904 AND 402.378904
 - G. TOPSOIL, TURF ESTABLISHMENT, FERTILIZER, AND WATERING VEGETATION - PER ITEMS 610.1402, 610.1601, 610.0501, AND 610.19.
 - H. SAWCUTTING - PER ITEM 627.50140008
 - I. RESETTNG FRAMES, GRATES AND CURB BOXES
 - J. RESETTNG/REPLACING CURB AND/OR CURB GUTTER
 - K. ASPHALT FOR SIDEWALKS, DRIVEWAYS, VCS - PER ITEM 608.020102



6. EACH STRUCTURE SHALL BE EXCAVATED TO THE MINIMUM DEPTH REQUIRED TO REMOVE ALL OF THE EXISTING ASPHALT AND PORTLAND CEMENT CONCRETE PAVEMENT. THE CONTRACTOR SHALL BE ADVISED THAT EXCAVATION BELOW THIS ELEVATION MAY BE NECESSARY. REMOVE CONCRETE BLOCK, BRICK, OR PORTION OF PRECAST DRAINAGE STRUCTURE TO LIMITS OF DETERIORATION OR A.O.B.E. IF THE EXCAVATION IS LESS THAN 12" BELOW THE REQUIRED MINIMUM DEPTH, IT SHALL BE BACKFILLED WITH MATERIAL CONFORMING TO THE SPECIFICATIONS FOR ITEM 304.12 - SUBBASE COURSE TYPE II. FOR EXCAVATIONS GREATER THAN 12" BELOW THE REQUIRED MINIMUM DEPTH, THE TOP 12" SHALL BE BACKFILLED WITH MATERIAL CONFORMING TO THE SPECIFICATIONS FOR ITEM 304.12 AND THE REMAINING DEPTH SHALL BE BACKFILLED WITH MATERIAL CONFORMING TO THE SPECIFICATIONS FOR ITEM 203.07 - SELECT GRANULAR FILL OR ITEM 304.12. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 604.0705XX.
7. REPAIR DRAINAGE STRUCTURE WITH EITHER CAST-IN-PLACE CLASS A CONCRETE, PRECAST CONCRETE ADJUSTMENT UNITS, SPECIFICATION SECTION 706-04, OR APPROVED PRECAST CONCRETE DRIVEWAY AND SIDEWALK PAVERS, SPECIFICATION SECTION 704-13, AS SHOWN ON THE DETAILS, OR A.O.B.E. ANY MASONRY MORTAR USED SHALL CONFORM TO SPECIFICATION SECTION 705-21. MORTAR MUST BE MECHANICALLY MIXED; HAND MIXING SHALL NOT BE ALLOWED.
8. CONCRETE REPAIR MATERIAL WILL NOT BE ALLOWED.
9. WHEN MULTIPLE COURSES OF PAVERS ARE USED FOR AN ALTERATION/REPAIR, THE STAGGERING OF THE JOINTS ON SUBSEQUENT COURSES IS REQUIRED.
10. ANY FRAME AND GRATE WITH HARDWARE MISSING OR DAMAGED FOR SECURING THE GRATE TO THE FRAME SHALL HAVE THAT HARDWARE REPLACED. THE COST FOR THE HARDWARE SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 604.0705XX.
11. SANITARY/STORM MANHOLE ALTERATIONS ARE INTENDED ONLY TO RAISE/LOWER THE FRAME TO FINISHED GRADE. ANY REPAIRS BELOW THIS THRESHOLD SHALL BE THE RESPONSIBILITY OF THE TOWN OF TONAWANDA/AMHERST.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:	


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED MISCELLANEOUS DETAILS 3	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					DRAWING NO. MSD-3
	TOWN OF AMHERST AND TONAWANDA					SHEET NO. 17
	COUNTY: ERIE					REGION: 05
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						
						Department of Transportation

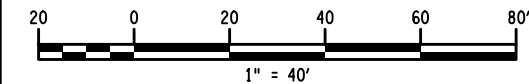
FILE NAME = 581437.dgn, gnp.01
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

JOB MANAGER JOHN M. WENTZ
DESIGN SUPERVISOR S. SINGH
DESIGN S. SADOWSKI
CHECK JOHN M. WENTZ
DRAFTING S. SADOWSKI
CHECK JOHN M. WENTZ
PROJECT MANAGER S. SINGH

AFFIX SEAL: John M. Wentz, P.E.
ON: 8/26/2021

ALTERED BY:
ON:





AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

PAVEMENT REHABILITATION PROJECT
US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193
TOWN OF AMHERST AND TONAWANDA

COUNTY: ERIE

REGION: 05

PIN 5814.37
US 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

GENERAL PLAN 1

CONTRACT NUMBER
D264643

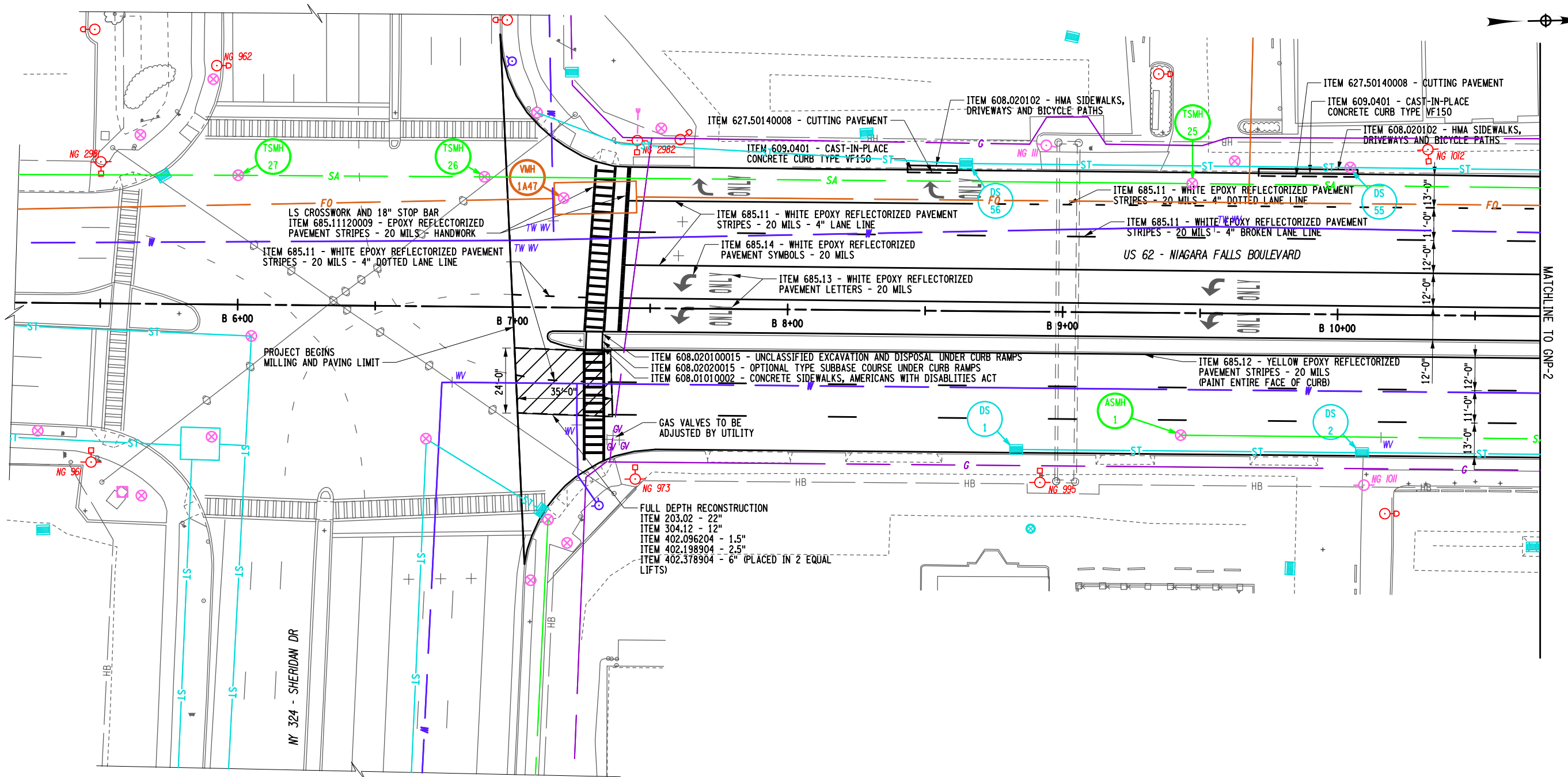
DRAWING NO. GNP-1
SHEET NO. 18

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY



Department of
Transportation



GRID
NORTH

FILE NAME = 581437_cph.dwg
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ


DESIGN S. SADOWSKI

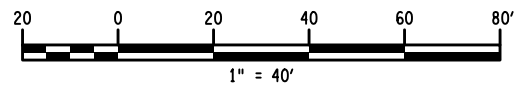
CHECK JOHN M. WENTZ


DRAFTING S. SADOWSKI

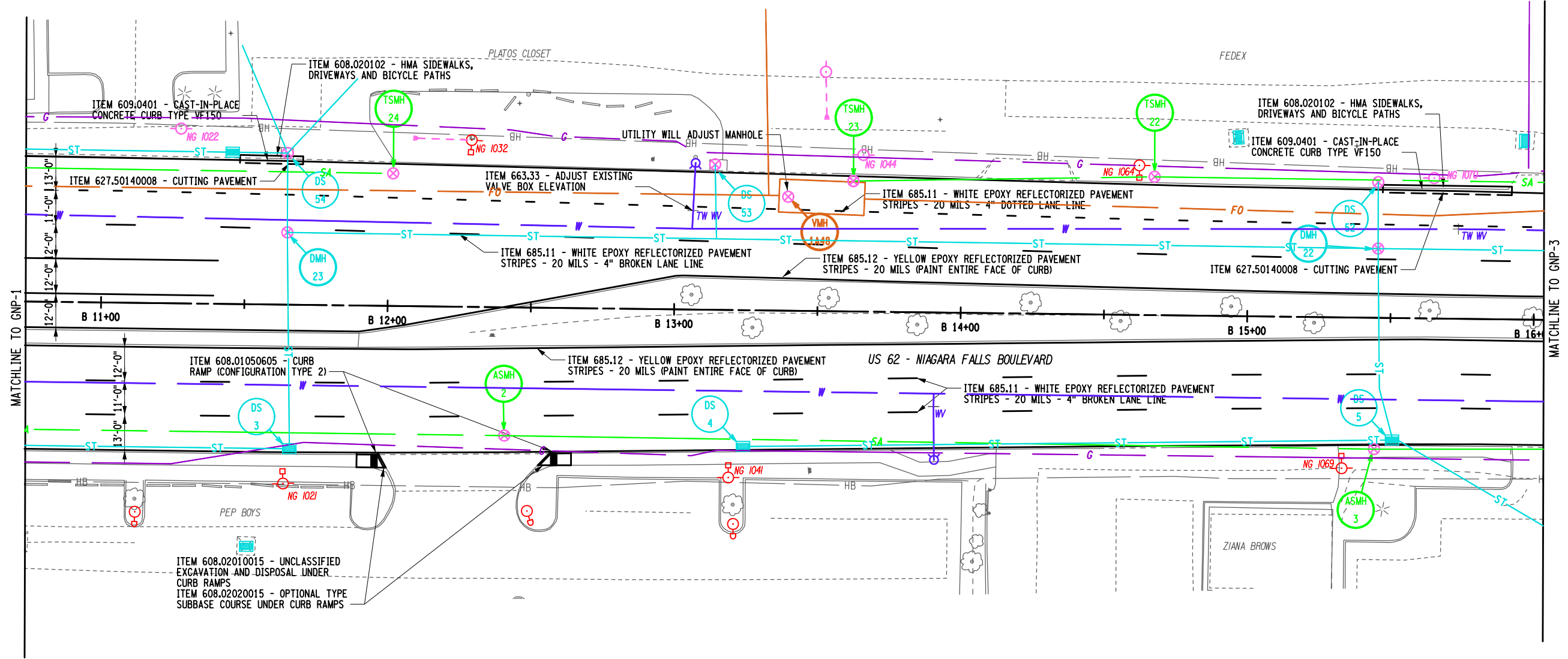
CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
		



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643	
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					DRAWING NO. GNP-2 SHEET NO. 19	
	TOWN OF AMHERST AND TONAWANDA						
	COUNTY: ERIE				REGION: 05		
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						 NEW YORK STATE OF OPPORTUNITY.	Department of Transportation



NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY

FILE NAME = 581437_cph.qdd.03
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ


DESIGN S. SADOWSKI

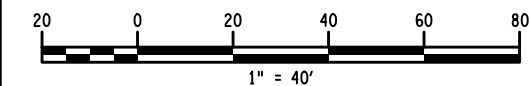
CHECK JOHN M. WENTZ

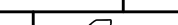
DRAFTING S. SADOWSKI

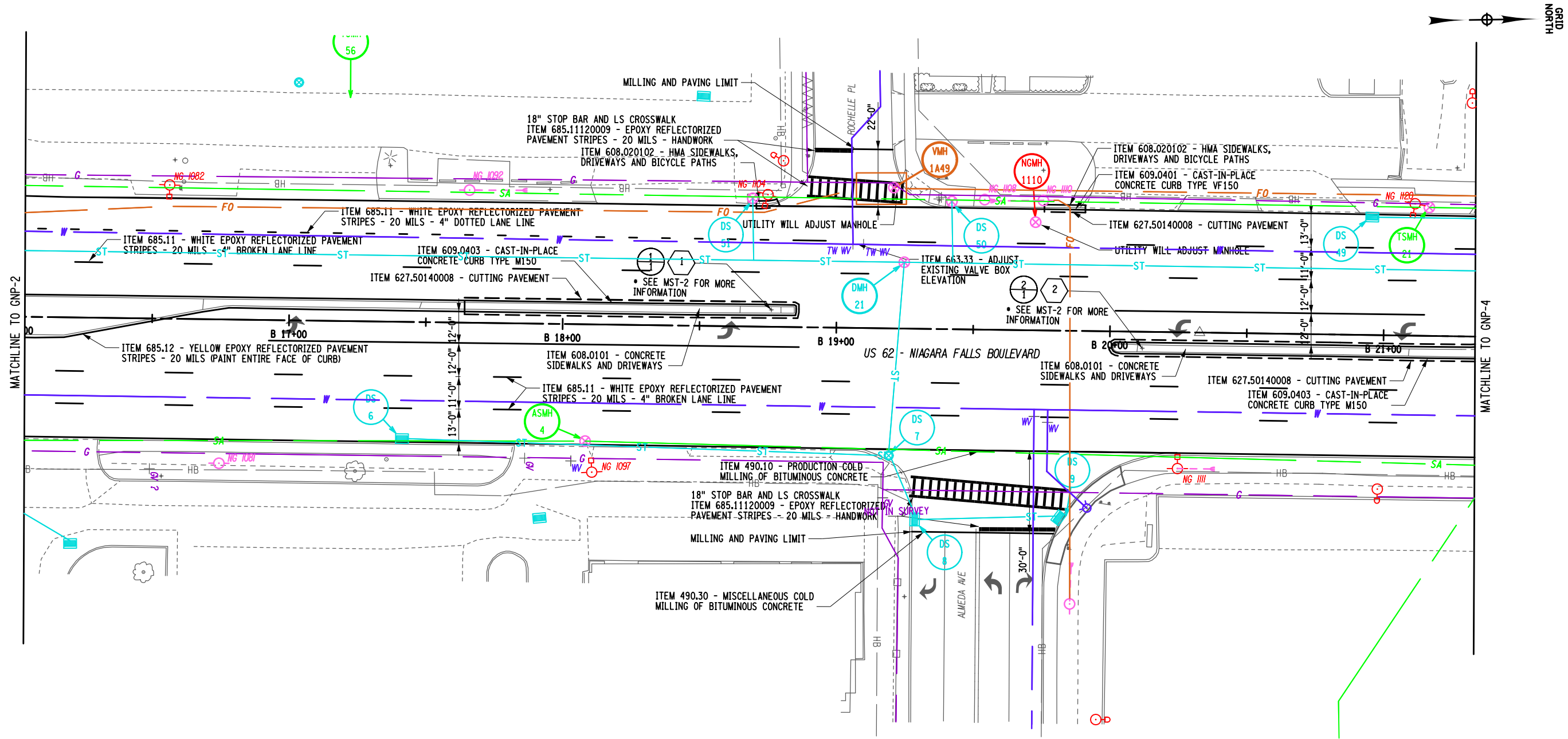
CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:	
			



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					DRAWING NO. GNP-3 SHEET NO. 20
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE				REGION: 05	
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					 NEW YORK STATE OF OPPORTUNITY.	Department of Transportation



FILE NAME = 581437.dgn, cdd, 04
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI


CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

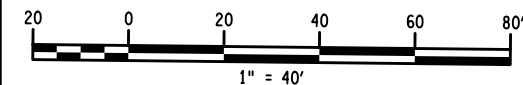
CHECK JOHN M. WENTZ


PROJECT MANAGER S. SINGH

AFFIX SEAL: John M. Wentz, P.E.
ON: 8/26/2021

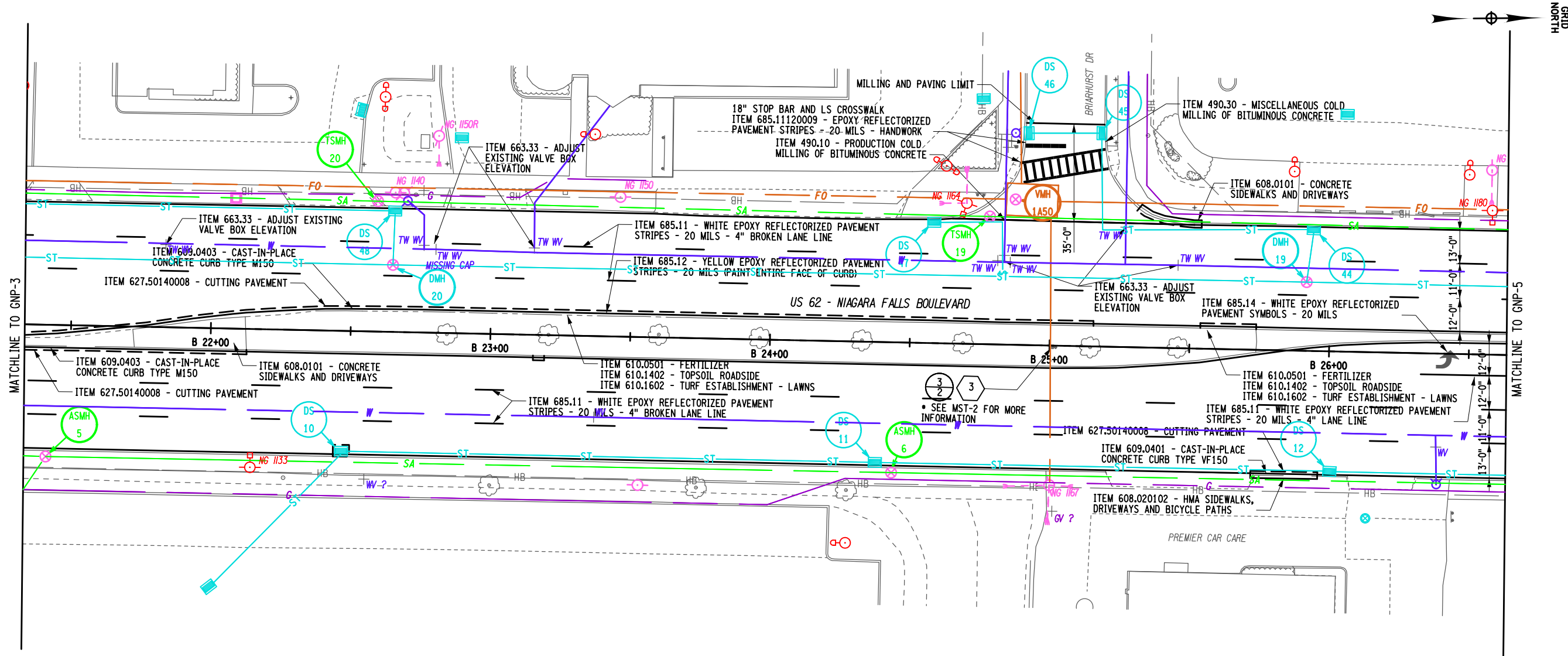


ALTERED BY:
ON:



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT		PIN 5814.37 US 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					GENERAL PLAN 4	DRAWING NO. GNP-4 SHEET NO. 21
	TOWN OF AMHERST AND TONAWANDA						
	COUNTY: ERIE REGION: 05						
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.							
						 NEW YORK STATE OF OPPORTUNITY.	Department of Transportation

NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY



FILE NAME = 581437.dgn, 09D.05
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ


DESIGN S. SADOWSKI

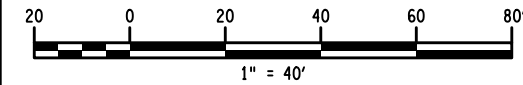
CHECK JOHN M. WENTZ


DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

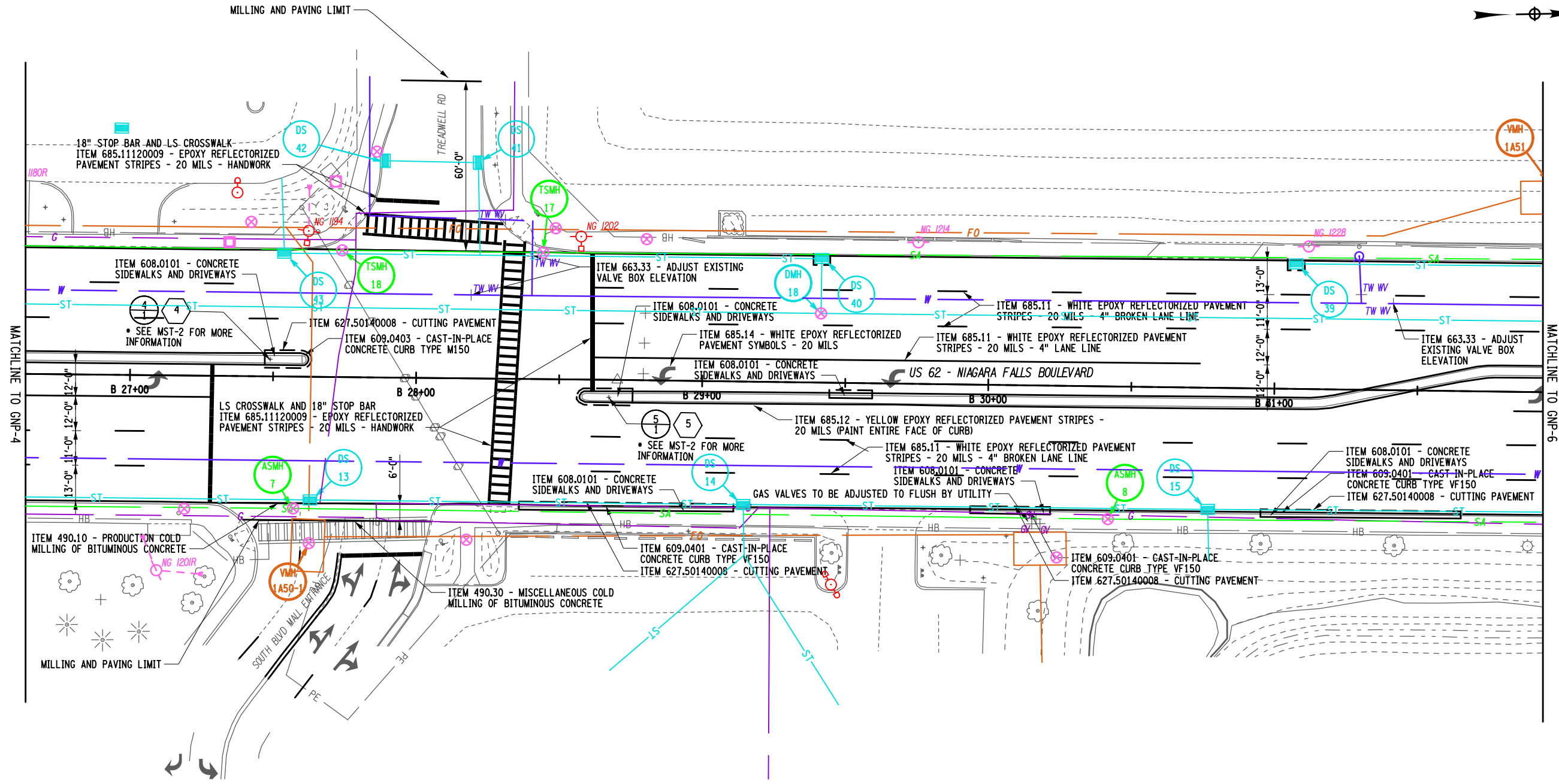
PROJECT MANAGER S. SINGH

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
		



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193				GENERAL PLAN 5	DRAWING NO. GNP-5 SHEET NO. 22
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE				REGION: 05	
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						 NEW YORK STATE OF OPPORTUNITY. Department of Transportation

NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY



FILE NAME = 581437.dgn, 09/06/2021
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ


DESIGN S. SADOWSKI

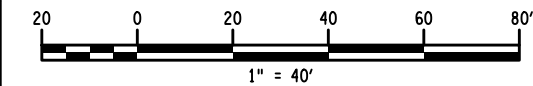
CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:	
			



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

PAVEMENT REHABILITATION PROJECT
US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193
TOWN OF AMHERST AND TONAWANDA

COUNTY: ERIE

REGION: 05

PIN 5814.37
US 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

GENERAL PLAN 6

CONTRACT NUMBER
D264643

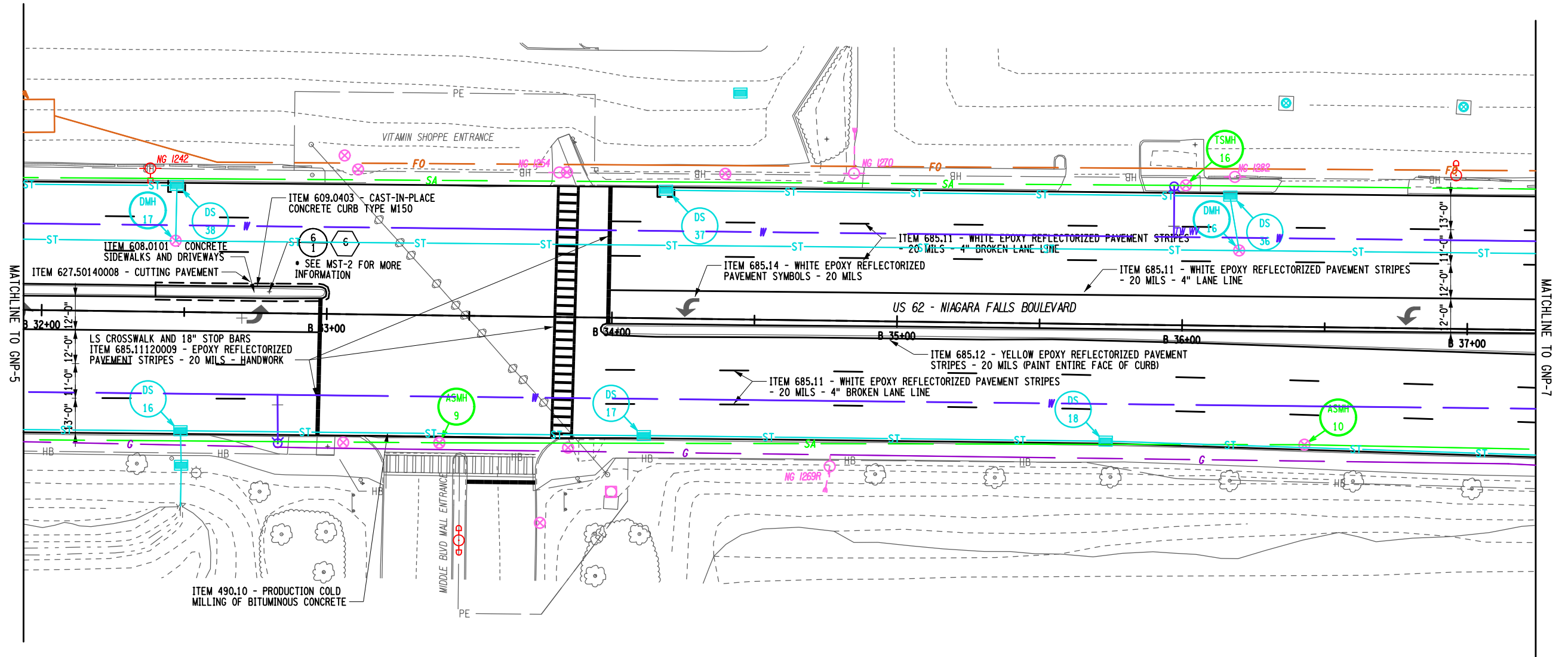
DRAWING NO. GNP-6
SHEET NO. 23

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation

NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY



FILE NAME = 581437.dgn, 09/08/2021
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI


CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

AFFIX SEAL: John M. Wentz, P.E.
ON: 8/26/2021



ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

PAVEMENT REHABILITATION PROJECT

US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193

TOWN OF AMHERST AND TONAWANDA

COUNTY: ERIE REGION: 05

PIN 581437
US 62
UTILITY QUALITY LEVEL D

BRIDGES


CULVERTS

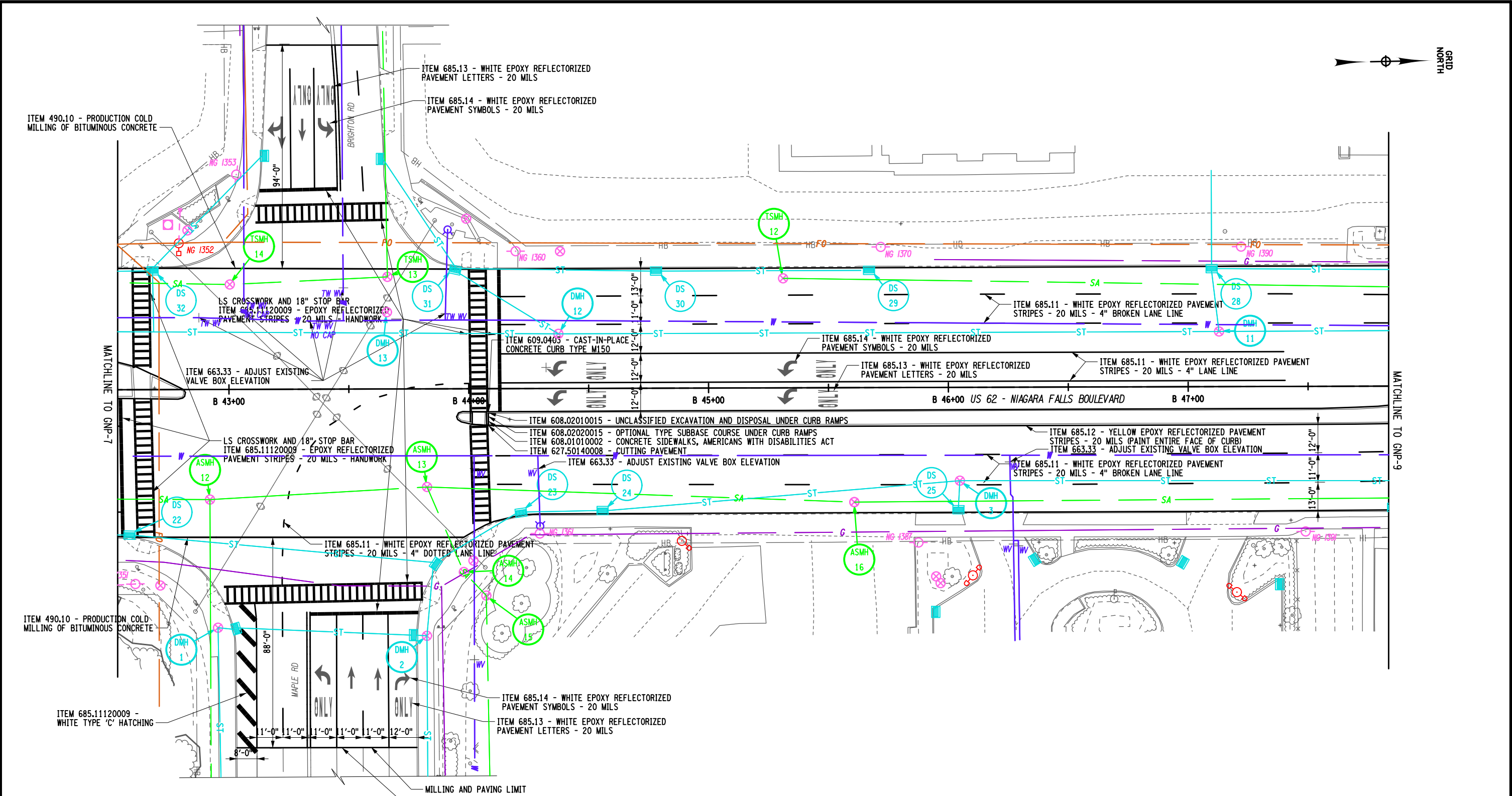
ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
GENERAL PLAN 8

CONTRACT NUMBER
D264643

DRAWING NO. GNP-8
SHEET NO. 25

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

 **Department of Transportation**



NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY

FILE NAME = 581437_cph.dwg
DATE/TIME = 02-SEP-2021 09:18
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ


DRAFTING S. SADOWSKI

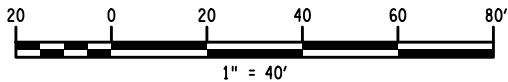
CHECK JOHN M. WENTZ


PROJECT MANAGER S. SINGH

AFFIX SEAL:
ON: John M. Wentz, P.E.
8/26/2021

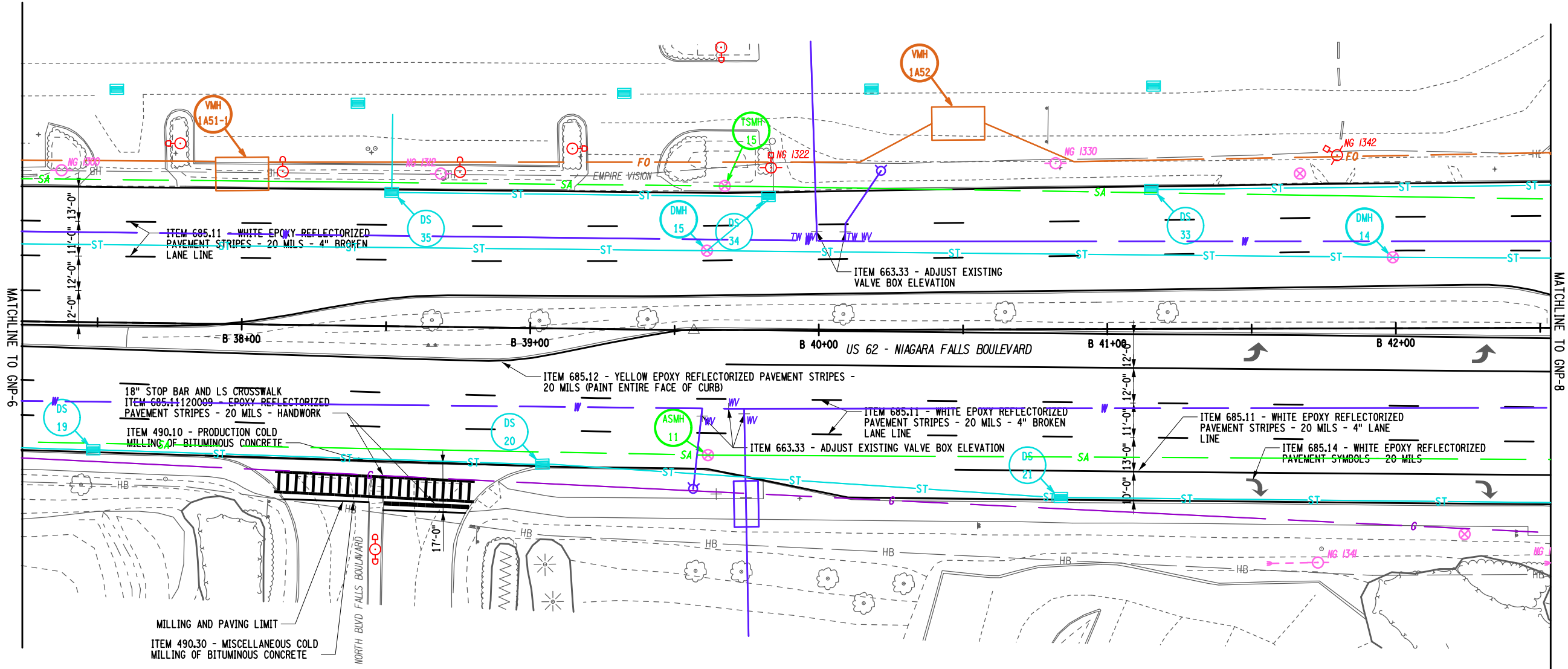
ALTERED BY:
ON:





AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193				GENERAL PLAN 7	DRAWING NO. GNP-7 SHEET NO. 24
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE REGION: 05					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					 NEW YORK STATE OF OPPORTUNITY.	Department of Transportation

NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY



FILE NAME = 581437_cph.qdd.09
DATE/TIME = 02-SEP-2021 09:15
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ


DESIGN S. SADOWSKI

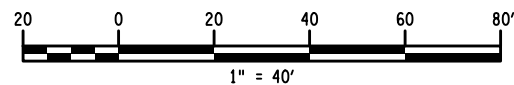
CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
		



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

PAVEMENT REHABILITATION PROJECT
US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193
TOWN OF AMHERST AND TONAWANDA
COUNTY: ERIE REGION: 05

PIN 5814.37
US 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

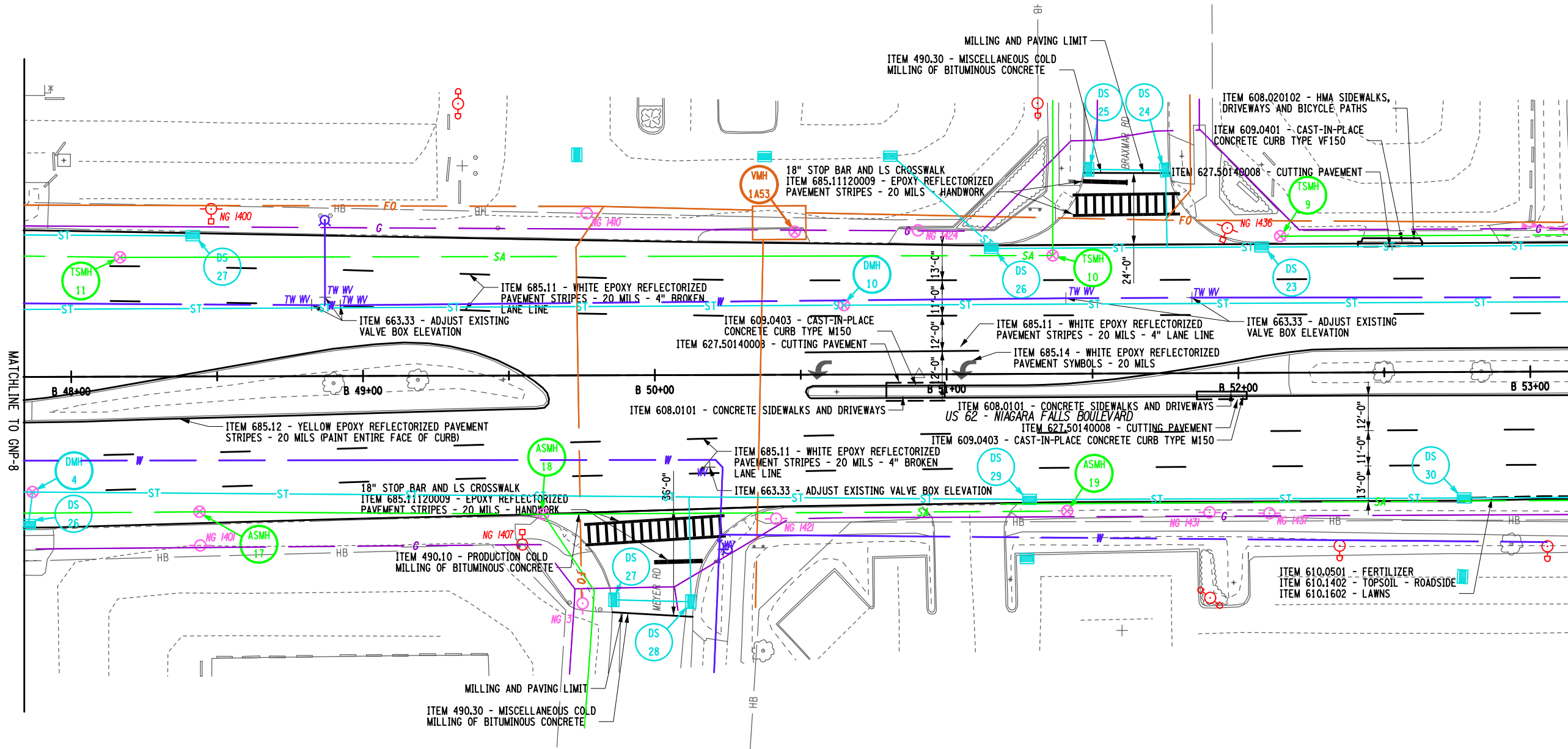
GENERAL PLAN 9

CONTRACT NUMBER
D264643

DRAWING NO. GNP-9
SHEET NO. 26

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY



GRID
NORTH

FILE NAME = 581437.opd.opd.10
DATE/TIME = 02-SEP-2021 09:15
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

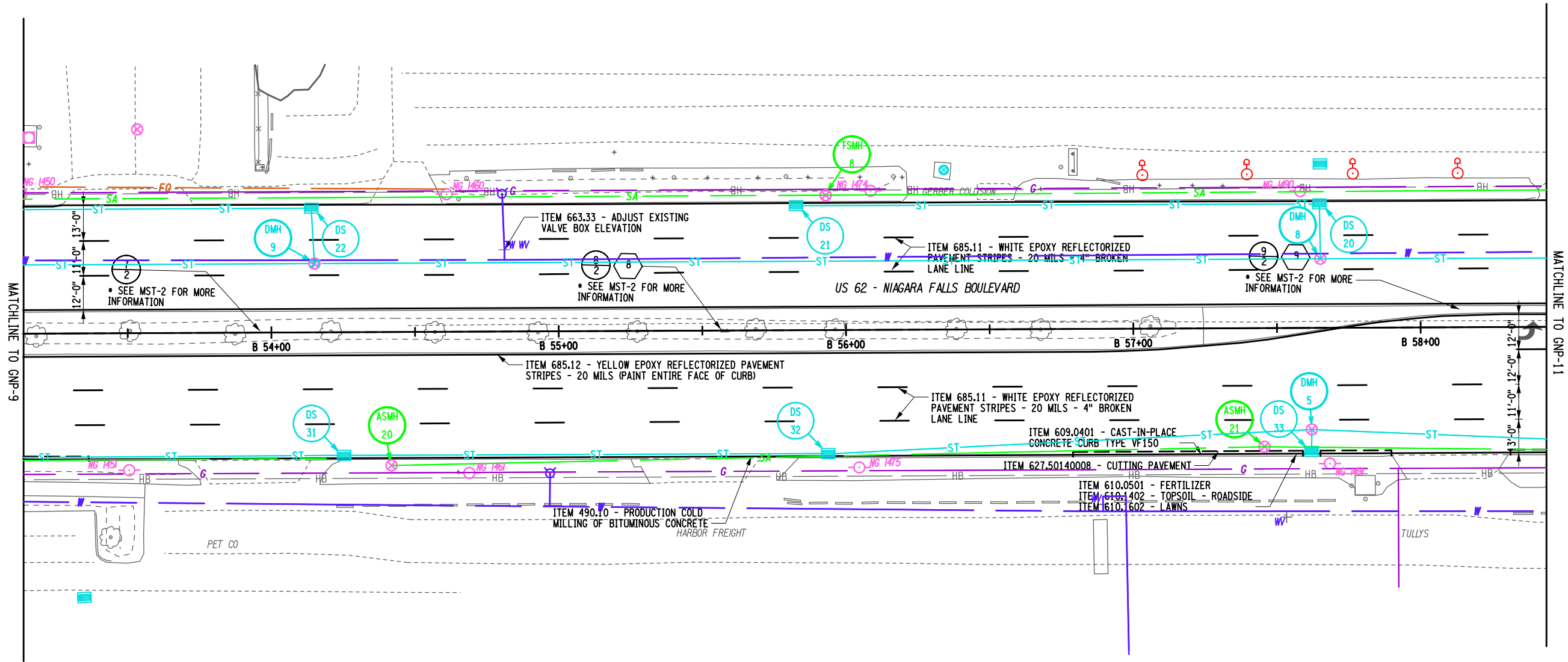
DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

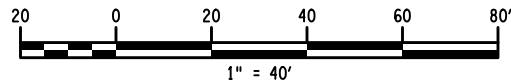


MATCHLINE TO GNP-11

MATCHLINE TO GNP-9



AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

PAVEMENT REHABILITATION PROJECT
US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193
TOWN OF AMHERST AND TONAWANDA
COUNTY: ERIE REGION: 05

PIN 581437
US 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
GENERAL PLAN 10

CONTRACT NUMBER
D264643
DRAWING NO. GNP-10
SHEET NO. 27

NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



FILE NAME = 581437_cph.dwg.11
DATE/TIME = 02-SEP-2021 09:19
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ


DRAFTING S. SADOWSKI

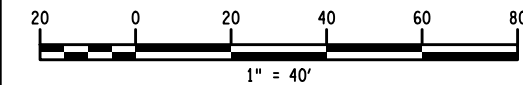
CHECK JOHN M. WENTZ


PROJECT MANAGER S. SINGH

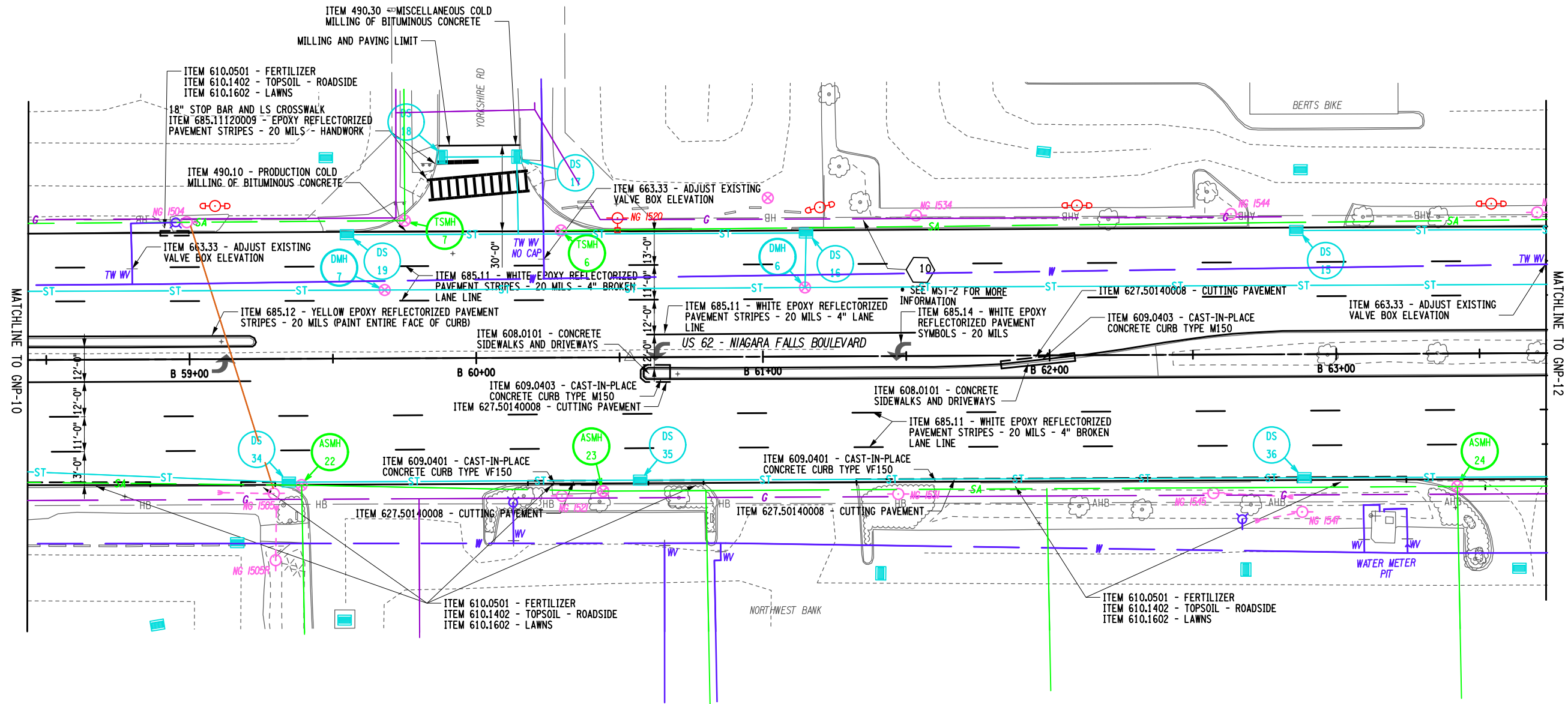
AFFIX SEAL: John M. Wentz, P.E.
ON: 8/26/2021

ALTERED BY:
ON:





AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT		PIN 5814.37 US 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED		CONTRACT NUMBER D264643	
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					GENERAL PLAN 11		DRAWING NO. GNP-11 SHEET NO. 28	
	TOWN OF AMHERST AND TONAWANDA								
	COUNTY: ERIE					REGION: 05			
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.								Department of Transportation	



FILE NAME = 581437.dgn, gnp.12
DATE/TIME = 02-SEP-2021 09:19
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ


DESIGN S. SADOWSKI

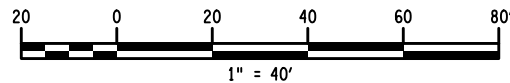
CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
		



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

PAVEMENT REHABILITATION PROJECT	
US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193	
TOWN OF AMHERST AND TONAWANDA	
COUNTY: ERIE	REGION: 05

PIN 5814.37 US 62 UTILITY QUALITY LEVEL D

BRIDGES

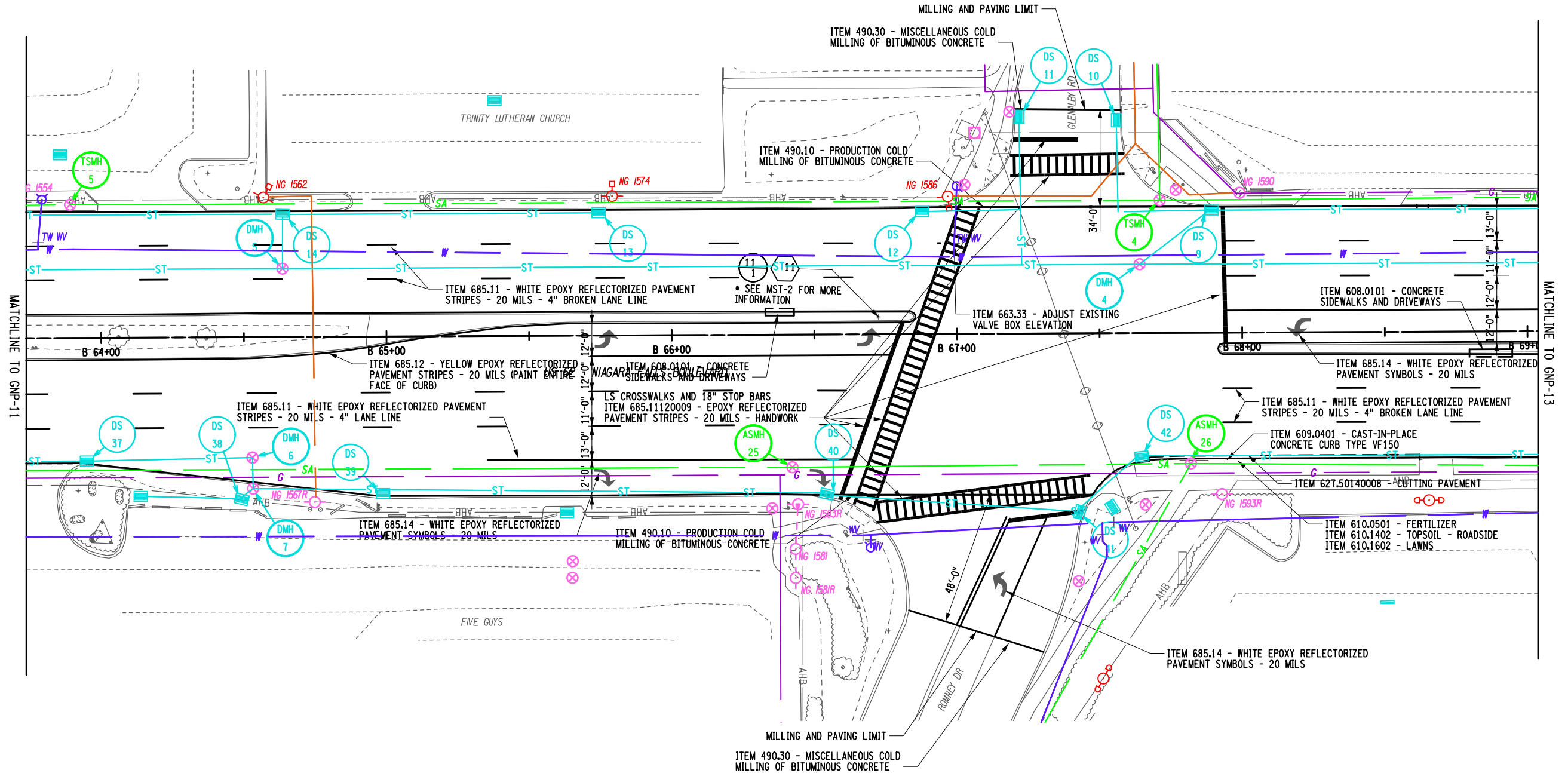
CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED
GENERAL PLAN 12

CONTRACT NUMBER D264643
DRAWING NO. GNP-12 SHEET NO. 29

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY



FILE NAME = 581437.dgn, gnp-13
DATE/TIME = 02-SEP-2021 09:15
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ


DESIGN S. SADOWSKI

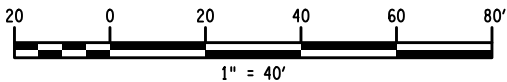
CHECK JOHN M. WENTZ


DRAFTING S. SADOWSKI

CHECK JOHN M. WENTZ

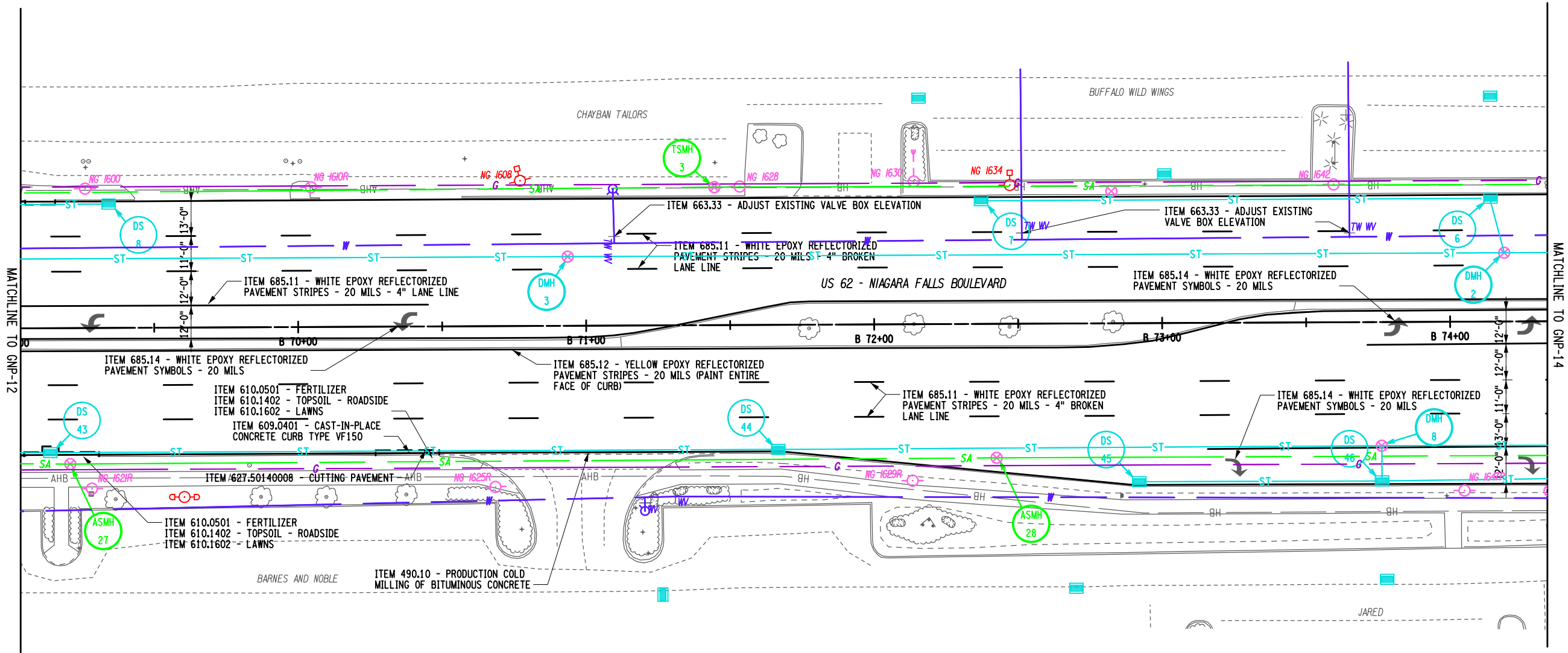
PROJECT MANAGER S. SINGH

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
		



AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193				GENERAL PLAN 13	DRAWING NO. GNP-13 SHEET NO. 30
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.					 NEW YORK STATE OF OPPORTUNITY.	Department of Transportation

NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY



FILE NAME = 581437_cph.dwg.14
DATE/TIME = 02-SEP-2021 09:19
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

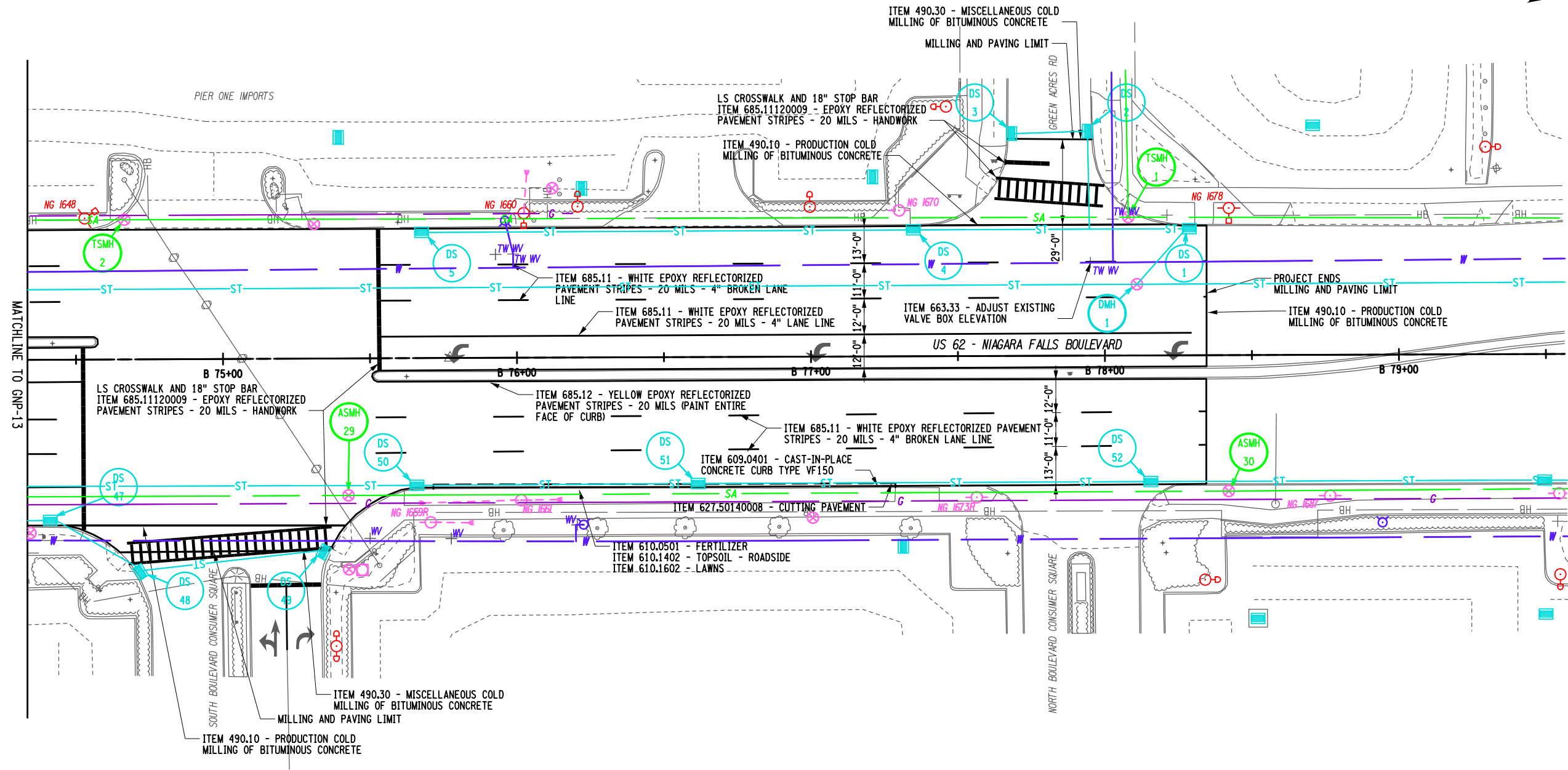
DESIGN S. SADOWSKI

CHECK JOHN M. WENTZ

DRAFTING S. SADOWSKI

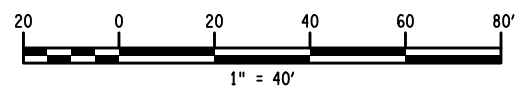
CHECK JOHN M. WENTZ

PROJECT MANAGER S. SINGH




AFFIX SEAL: John M. Wentz, P.E.
ON: 8/26/2021

ALTERED BY:
ON:

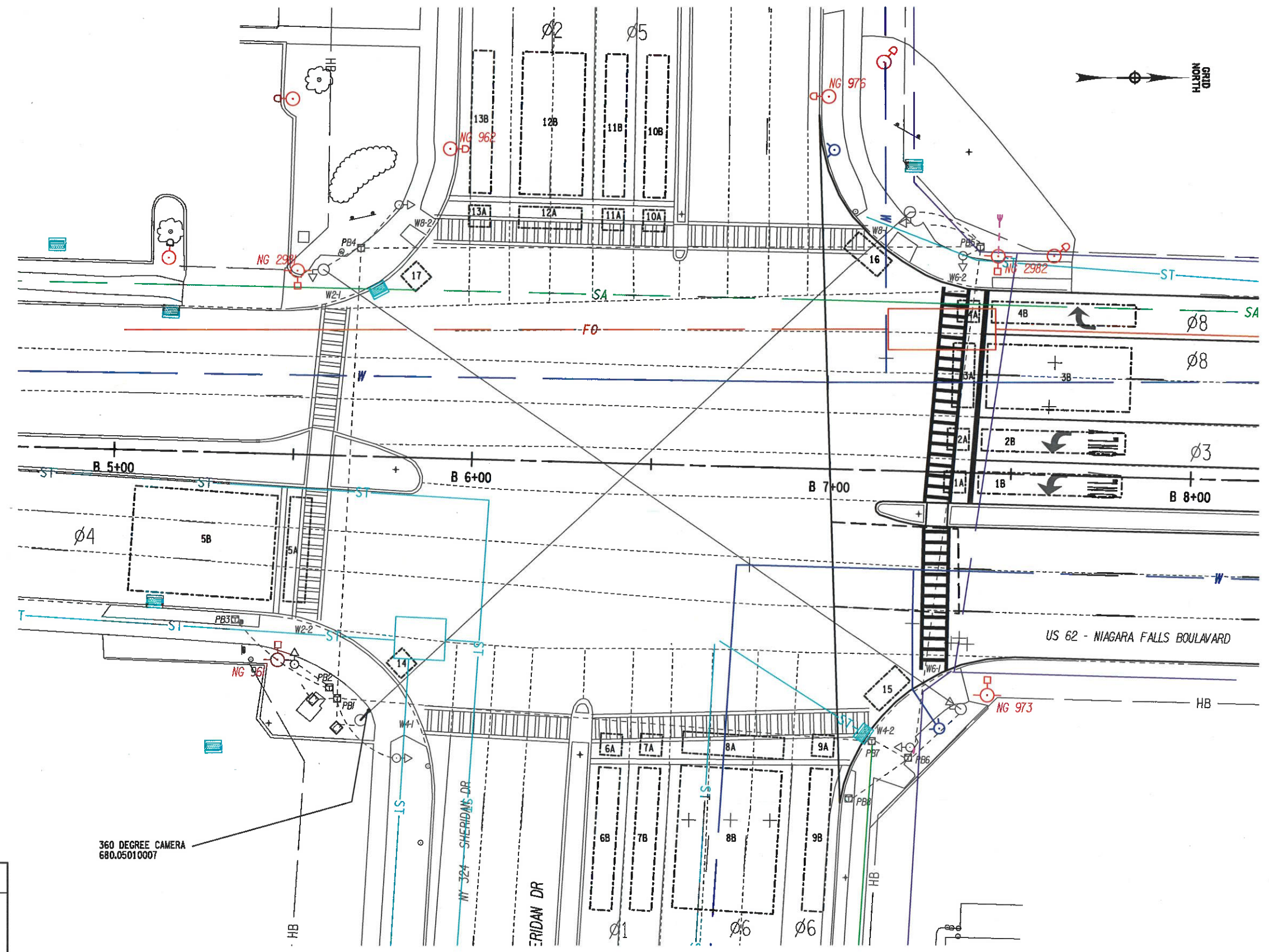
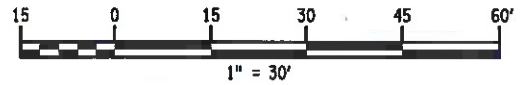


NOTES:
1. CENTERLINE ALIGNMENT IS FOR REFERENCE ONLY


AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193				GENERAL PLAN 14	DRAWING NO. GNP-14 SHEET NO. 31
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE REGION: 05					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						 NEW YORK STATE OF OPPORTUNITY. Department of Transportation

FILE NAME = 581437_CPH_TSP_01_01_SIGNAL_36.dgn
DATE/TIME = 30-AUG-2021 11:44
USER = pgladen

DESIGN SUPERVISOR SANJAY SINGH
JOB MANAGER JOHN WENTZ
DESIGN PHILIP GLADWIN
CHECK BRIAN DANKERT
DRAFTING PHILIP GLADWIN
CHECK BRIAN DANKERT
PROJECT MANAGER SANJAY SINGH

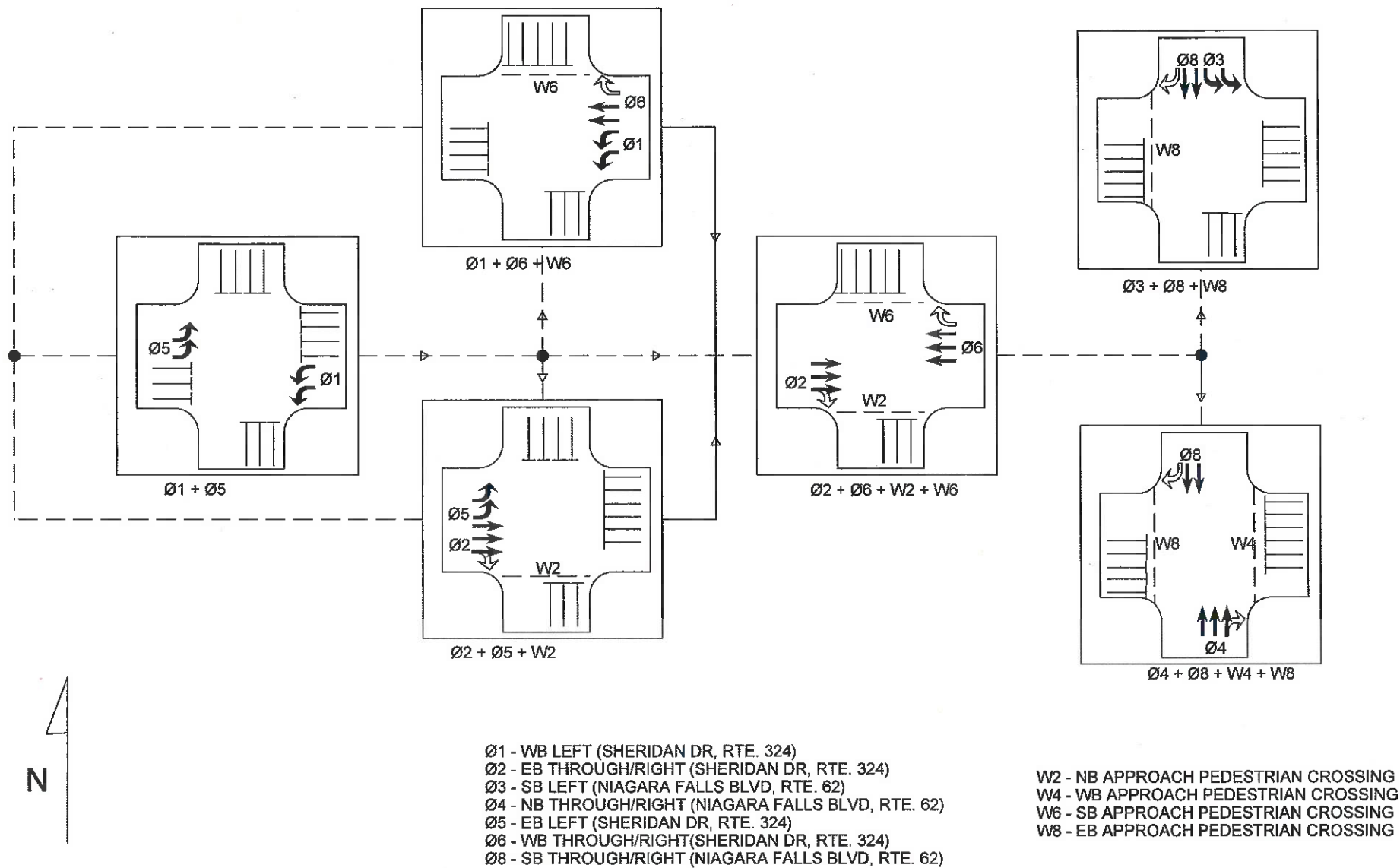


AFFIX SEAL: RENJIT P. JAMES, P.E. ON: 30-AUG-2021 11:44		ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 62 (NIAGARA FALLS BLVD)	PIN 5814.37 US RT 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED TRAFFIC SIGNAL PLAN SIGNAL 36 (ERIE) NIAGARA FALLS BLVD AT SHERIDAN DR	CONTRACT NUMBER D264643
	FROM NY ROUTE 324 (SHERIDAN DR)					DRAWING NO. TSP-01-01 SHEET NO. 32
	TO GREEN ACRES RD					
	TOWNS OF AMHERST & TONAWANDA					
	COUNTY: ERIE REGION: 05					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						 NEW YORK STATE OPPORTUNITY. Department of Transportation

NYS DOT TRAFFIC SIGNAL #36 (ERIE)
NIAGARA FALLS BLVD AT SHERIDAN DR

05-53-36



- 1.) ITEM 680.77000305, "MODIFY TRAFFIC SIGNAL INSTALLATION, LOCATION 3" SHALL INCLUDE: A) THE REQUIRED MODIFICATIONS TO THE EXISTING WIRING WITHIN THE SIGNAL CABINETS TO MATCH THE PROPOSED INPUT WIRING AND SWITCHPACKS FOUND IN THE PLANS, B) REMOVAL OF SHIELDED LEAD-IN CABLE BACK TO CABINET, C) PREPARING SIGNAL SYSTEM FOR INSTALLATION OF NEW 360 DEGREE TRAFFIC DETECTION CAMERA.
- 2.) EXISTING PULLBOX LOCATIONS ON PLANS ARE SHOWN BASED ON RECORD PLANS. ACTUAL FIELD LOCATIONS MAY VARY. CONDUIT ORIENTATION SHOWN MAY DIFFER FROM REQUIRED ORIENTATION. FIELD VERIFY BEFORE CONDUIT INSTALLATION.
- 3.) DISTANCES ARE APPROXIMATE. SIGNAL HEADS AND SIGNS MAY BE ADJUSTED IN THE FIELD WITH APPROVAL OF EIC.
- 4.) NOTIFY DIG SAFELY - NEW YORK AT (800) 962-7962 PRIOR TO ANY EXCAVATION.

3/20/2020

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:44

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 36 (ERIE)
NIAGARA FALLS BLVD AT SHERIDAN DR

CONTRACT NUMBER
D264643

DRAWING NO. TSP-01-02
SHEET NO. 33

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation

FILE NAME = 581437_CPH_TSP_01_02_SIGNAL_36.dgn
DATE/TIME = 30-AUG-2021 11:44
USER = pgjadam

DESIGN SUPERVISOR SANJAY SINGH
JOB MANAGER JOHN WENTZ
DESIGN PHILIP GLADWIN
CHECK BRIAN DANKERT
DRAFTING PHILIP GLADWIN
CHECK BRIAN DANKERT
PROJECT MANAGER SANJAY SINGH

PROJECT MANAGER SANJAY SINGH

CHECK BRIAN DANKERT

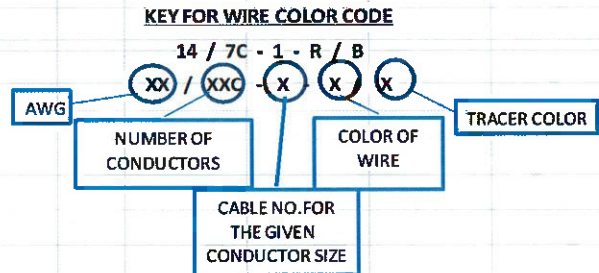
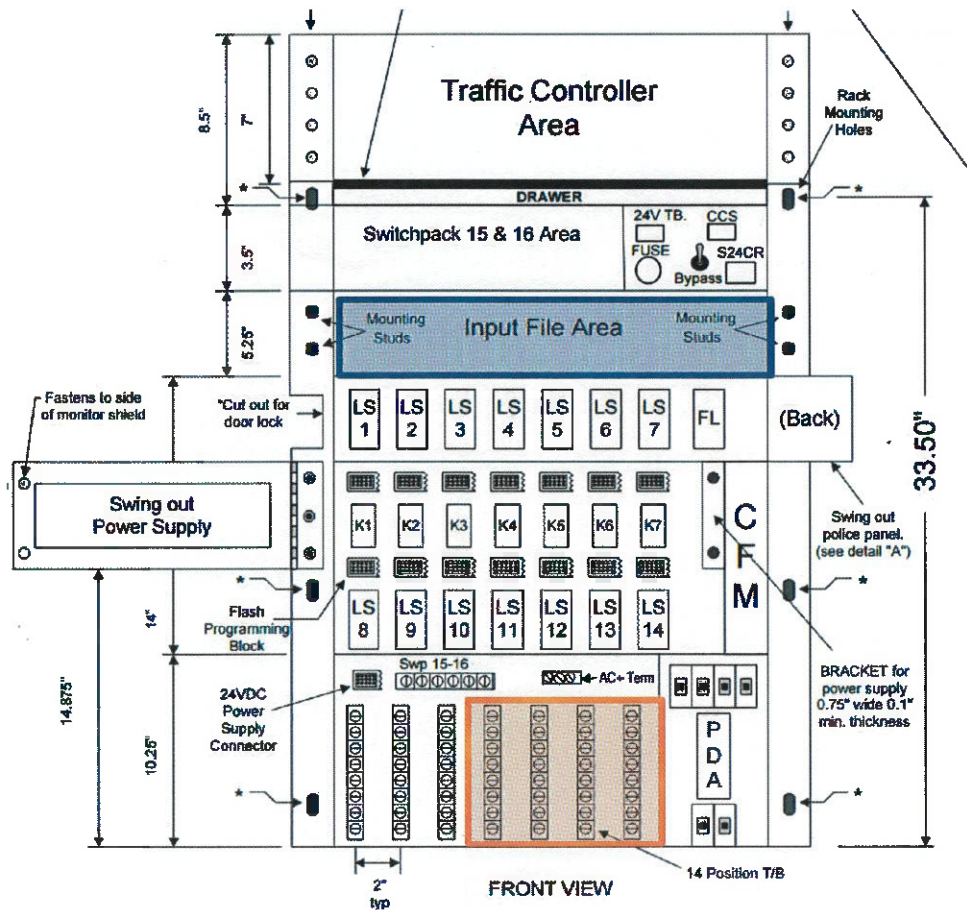
DRAFTING PHILIP GLADWIN

CHECK BRIAN DANKERT

DESIGN PHILIP GLADWIN

JOB MANAGER JOHN WENTZ

DESIGN SUPERVISOR SANJAY SINGH



COLOR
R-RED, O-ORANGE, G-GREEN, BL-BLUE, W-WHITE, B-BLACK

TYPE:
222 Dual Loop Vehicle Detector Module
232 Dual Magnetic Detector Amplifier Module
242 Dual Isolation Module (DC)
252 Dual Isolation Module (AC)

SIGNAL OPERATIONS SPECIFICATIONS
TABLE OF INPUT WIRING

DATE: #####

SIGNAL NUMBER		05-53-36		COUNTY		Erie		INTERSECTION		Rt 62 and Rt 324			
INPUT FILE AREA		FUNCTION		DETECTOR LOCATION ID				TERMINAL WIRING BOARD					
SLOT	TYPE	(Φ#/PED #)	DESCRIPTION	(PER PLAN)				TERMINAL	WIRE COLOR CODE				
1 - TOP	Video Card	Video Card	360 Degree Camera					1A	AS PER SUPPLIER				
1 - BOTTOM									1B	AS PER SUPPLIER			
2 - TOP								2A					
2 - BOTTOM								2B					
3 - TOP								3A					
3 - BOTTOM								3B					
4 - TOP								4A					
4 - BOTTOM								4B					
5 - TOP								5A					
5 - BOTTOM								5B					
6 - TOP								6A					
6 - BOTTOM								6B					
7 - TOP								7A					
7 - BOTTOM								7B					
8 - TOP								8A					
8 - BOTTOM								8B					
9 - TOP								9A					
9 - BOTTOM								9B					
10 - TOP								10A					
10 - BOTTOM								10B					
11 - TOP								11A					
11 - BOTTOM								11B					
12 - TOP								12A					
12 - BOTTOM								12B					
13 - TOP								13A					
13 - BOTTOM								13B					
14 - TOP								14A					
14 - BOTTOM								14B					
15 - TOP								15A					
15 - BOTTOM								15B					
16 - TOP								16A					
16 - BOTTOM								16B					
17 - TOP								17A					
17 - BOTTOM								17B					
18 - TOP								18A					
18 - BOTTOM								18B					
19 - TOP								19A					
19 - BOTTOM								19B					
20 - TOP								20A					
20 - BOTTOM								20B					
21 - TOP								21A					
21 - BOTTOM								21B					
22 - TOP								22A					
22 - BOTTOM								22B					
23 - TOP								23A					
23 - BOTTOM								23B					
24 - TOP								24A					
24 - BOTTOM								24B					
25 - TOP	242	Φ2 Ped	Crossing Rt 62	W2.1	W2.2			25A	14/5C-W2.1-O	14/5C-W2.2-O			
25 - BOTTOM									25B	14/5C-W2.1-B	14/5C-W2.2-B		
26 - TOP		Φ4 Ped	Crossing Rt 324	W4.1	W4.2			26A	14/5C-W4.1-O	14/5C-W4.2-O			
26 - BOTTOM									26B	14/5C-W4.1-B	14/5C-W4.2-B		
27 - TOP	242	Φ6 Ped	Crossing Rt 62	W6.1	W6.2			27A	14/5C-W6.1-O	14/5C-W6.2-O			
27 - BOTTOM									27B	14/5C-W6.1-B	14/5C-W6.2-B		
28 - TOP		Φ8 Ped	Crossing Rt 324	W8.1	W8.2			28A	14/5C-W8.1-O	14/5C-W8.2-O			
28 - BOTTOM									28B	14/5C-W8.1-B	14/5C-W8.2-B		

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:44

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE REGION: 05

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 36 (ERIE)
NIAGARA FALLS BLVD AT SHERIDAN DR










CONTRACT NUMBER
D264643

DRAWING NO. TSP-01-03
SHEET NO. 34

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation

SIGNAL OPERATIONS SPECIFICATIONS										DATE: 08/04/2021	
TABLE OF SWITCH PACKS											
SIGNAL NUMBER		05-53-36		COUNTY	Erle	INTERSECTION		Rt 62 and Rt 324			
SWITCH PACK	FUNCTION (Φ# /OVLP)	FACE NUMBERS		FLASH PLUG	INDICATIONS	TERMINAL WIRING BOARD					
						WIRE COLOR CODE PER FACE					
TOP ROW (LS1-LS7)	SP 1	Φ1	1	2	R		SP 1R	14/7C-1-R	14/7C-2-R		
							SP 1Y	14/7C-1-Y	14/7C-2-Y		
							SP 1G	14/7C-1-G	14/7C-2-G		
						GND. BAR	GND. BUS	14/7C-1-W	14/7C-2-W		
	SP 2	Φ2	7	8	R	R	SP 2R	14/5C-7-R	14/5C-8-R		
						Y	SP 2Y	14/5C-7-Y	14/5C-8-Y		
						G	SP 2G	14/5C-7-G	14/5C-8-G		
						GND. WIRE	GND. BUS	14/5C-7-W	14/5C-8-W		
	SP 3	Φ3	9	10	R		SP 3R	14/7C-9-R	14/7C-10-R		
							SP 3Y	14/7C-9-Y	14/7C-10-Y		
							SP 3G	14/7C-9-G	14/7C-10-G		
						GND. WIRE	GND. BUS	14/7C-9-W	14/7C-10-W		
	SP 4	Φ4	13	14	R	R	SP 4R	14/5C-13-R	14/5C-14-R		
						Y	SP 4Y	14/5C-13-Y	14/5C-14-Y		
						G	SP 4G	14/5C-13-G	14/5C-14-G		
						GND. WIRE	GND. BUS	14/5C-13-W	14/5C-14-W		
	SP 5	Φ5	5	6	R		SP 5R	14/7C-5-R	14/7C-6-R		
							SP 5Y	14/7C-5-Y	14/7C-6-Y		
							SP 5G	14/7C-5-G	14/7C-6-G		
						GND. WIRE	GND. BUS	14/7C-5-W	14/7C-6-W		
	SP 6	Φ6	3	4	R	R	SP 6R	14/5C-3-R	14/5C-4-R		
						Y	SP 6Y	14/5C-3-Y	14/5C-4-Y		
						G	SP 6G	14/5C-3-G	14/5C-4-G		
						GND. WIRE	GND. BUS	14/5C-3-W	14/5C-4-W		
SP 7						SP 7R					
						SP 7Y					
						SP 7G					
					GND. WIRE	GND. BUS					
BOTTOM ROW (LS8-LS14)	SP 8	Φ8	11	12	R	R	SP 8R	14/5C-11-R	14/5C-12-R		
						Y	SP 8Y	14/5C-11-Y	14/5C-12-Y		
						G	SP 8G	14/5C-11-G	14/5C-12-G		
						GND. WIRE	GND. BUS	14/5C-11-W	14/5C-12-W		
	SP 9						SP 9R				
							SP 9Y				
							SP 9G				
						GND. WIRE	GND. BUS				
	SP 10						SP 10R				
							SP 10Y				
							SP 10G				
						GND. WIRE	GND. BUS				
	SP 11						SP 11R				
							SP 11Y				
							SP 11G				
						GND. WIRE	GND. BUS				
	SP 12						SP 12R				
							SP 12Y				
							SP 12G				
						GND. WIRE	GND. BUS				
	SP 13	Φ2 Ped	W2.1	W2.2	W	DON'T WALK	SP 13R	14/5C-W2.1-R	14/5C-W2.2-R		
							SP 13Y				
						WALK	SP 13G	14/5C-W2.1-G	14/5C-W2.2-G		
						GND. WIRE	GND. BUS	14/5C-W2.1-W	14/5C-W2.2-W		
SP 14	Φ4 Ped	W4.1	W4.2	W	DON'T WALK	SP 14R	14/5C-W4.1-R	14/5C-W4.2-R			
						SP 14Y					
					WALK	SP 14G	14/5C-W4.1-G	14/5C-W4.2-G			
					GND. WIRE	GND. BUS	14/5C-W4.1-W	14/5C-W4.2-W			
SP 15	Φ6 Ped	W6.1	W6.2	W	DON'T WALK	SP 15R	14/5C-W6.1-R	14/5C-W6.2-R			
						SP 15Y					
					WALK	SP 15G	14/5C-W6.1-G	14/5C-W6.2-G			
					GND. WIRE	GND. BUS	14/5C-W6.1-W	14/5C-W6.2-W			
SP 16	Φ8 Ped	W8.1	W8.2	W	DON'T WALK	SP 16R	14/5C-W8.1-R	14/5C-W8.2-R			
						SP 16Y					
					WALK	SP 16G	14/5C-W8.1-G	14/5C-W8.2-G			
					GND. WIRE	GND. BUS	14/5C-W8.1-W	14/5C-W8.2-W			
SPECIAL											

PROJECT MANAGER SANJAY SINGH

CHECK BRIAN DANKERT


DRAFTING PHILIP GLADWIN

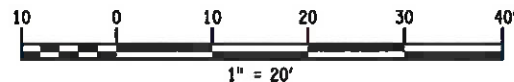
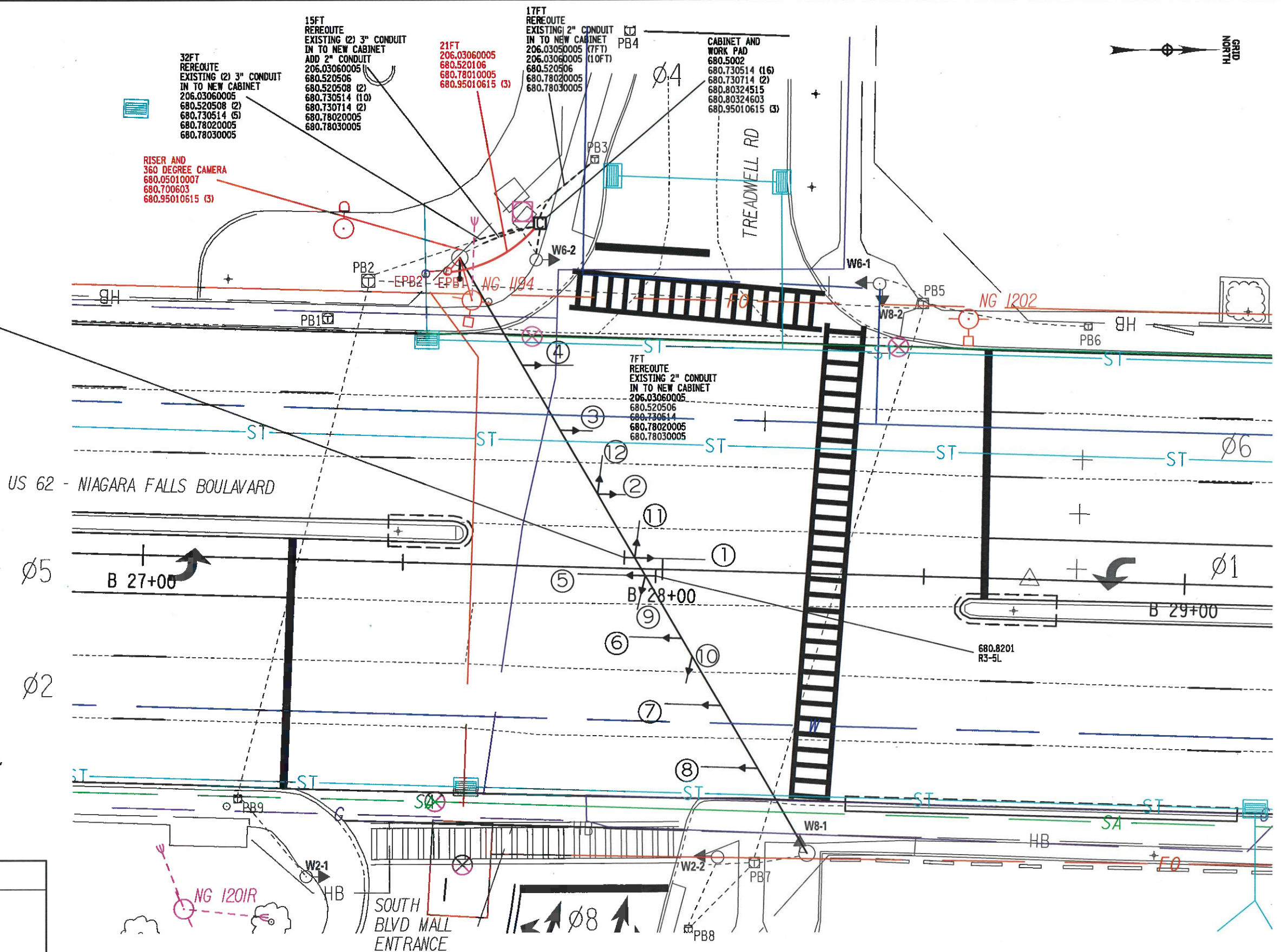
CHECK BRIAN DANKERT

DESIGN PHILIP GLADWIN

JOB MANAGER JOHN WENTZ

DESIGN SUPERVISOR SANJAY SINGH

SIGN FACE DATA TABLE		
ITEM	DESCRIPTION	QTY
680.8201	OVERHEAD SIGN ASSEMBLY, TYPE A	2
<div>SIZE 30" X 36"</div> <div></div> <div>R3-5L 2 EA</div>		



AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:44

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 282 (ERIE)
NIAGARA FALLS BLVD AT TREADWELL RD
& BOULEVARD MALL SOUTH ENTRANCE

CONTRACT NUMBER
D264643

DRAWING NO. TSP-02-01
SHEET NO. 36

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

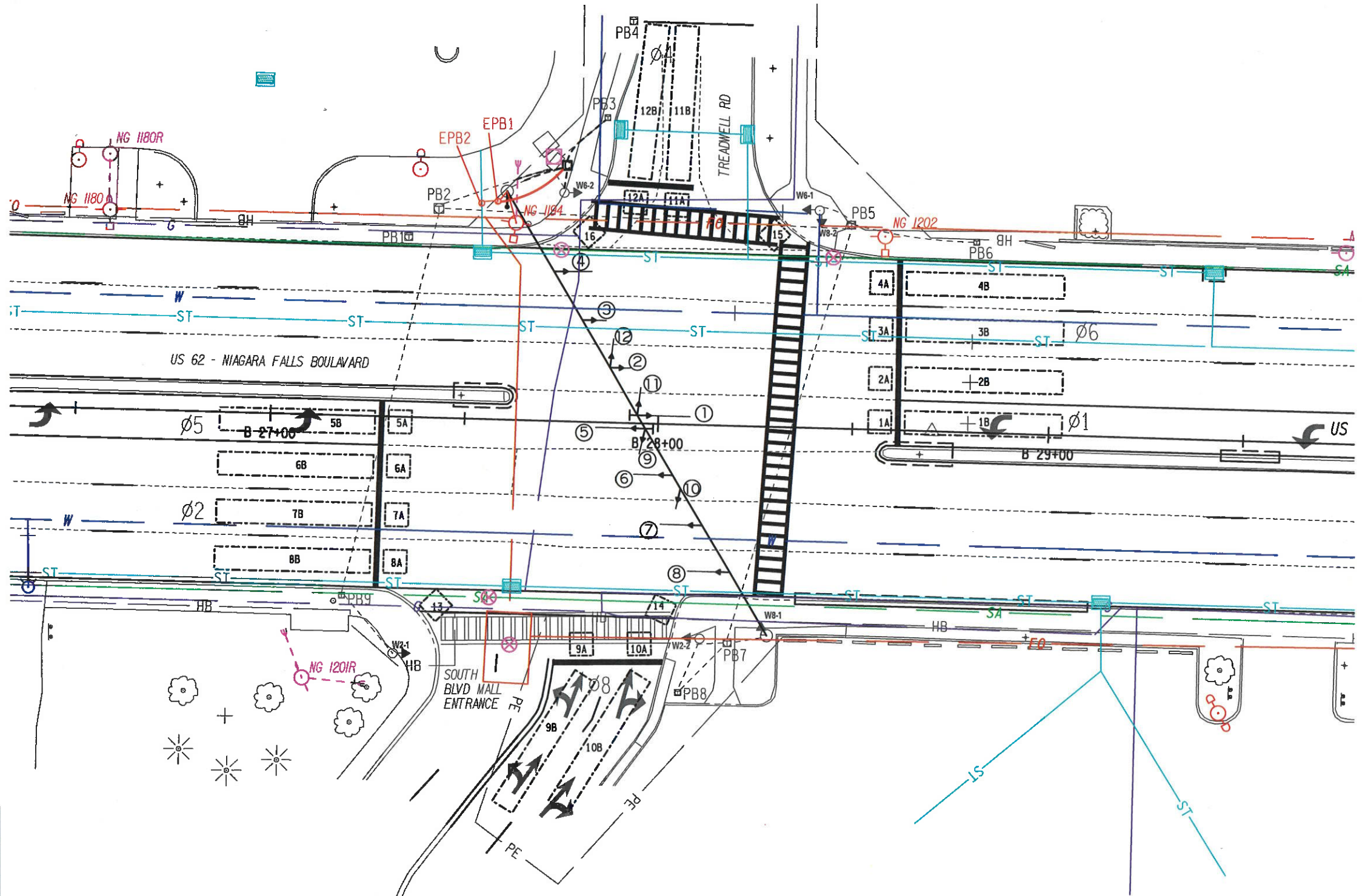
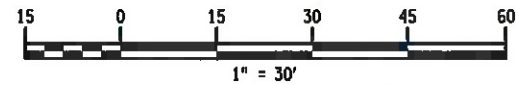


Department of
Transportation

FILE NAME = 581437_CPH_TSP_02_01_SIGNAL_282.dgn
DATE/TIME = 30-AUG-2021 11:44
USER = pgladwin

FILE NAME = 581437_CPH.TSP_02_02_SIGNAL_282.dgn
DATE/TIME = 30-AUG-2021 11:45
USER = pgjackson

JOB MANAGER JOHN WENTZ
DESIGN SUPERVISOR SANJAY SINGH
DESIGN PHILIP GLADWIN
CHECK BRIAN DANKERT
DRAFTING PHILIP GLADWIN
CHECK BRIAN DANKERT
PROJECT MANAGER SANJAY SINGH



AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 282 (ERIE)
NIAGARA FALLS BLVD AT TREADWELL RD
& BOULEVARD MALL SOUTH ENTRANCE

CONTRACT NUMBER
D264643

DRAWING NO. TSP-02-02
SHEET NO. 37

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



QUANTITY AND ITEM LIST
SIGNAL 282 (ERIE) - NIAGARA FALLS BLVD AT
TREADWELL RD AND BLVD MALL SOUTH ENTRANCE

ITEM NUMBER	DESCRIPTION	UNIT	QTY
206.03050005	CONDUIT EXCAV & BACKFILL (IN ROADWAY)	FT	17
206.03060005	CONDUIT EXCAV & BACKFILL (NOT IN ROADWAY)	FT	85
619.1611	MAINTAIN TRAFFIC SIGNAL EQUIP (REQ A)	IN MO	12
662.60000108	FURNISHING ELECTRICAL SERVICE	DC	2500
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1
680.5002	CONCRETE BASE FOR CONTROLLER CABINET	EA	1
680.520106	CONDUIT, STEEL, ZINC COATED, 2 NPS	FT	21
680.520506	CONDUIT, RIGID PLASTIC, CLASS 1, 2 NPS	FT	24
680.520508	CONDUIT, RIGID PLASTIC, CLASS 1, 3 NPS	FT	94
680.7001	SINGLE SPAN WIRE ASSEMBLY	EA	1
680.700603	RISER ASSEMBLY, 1" DIA	EA	1
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	FT	1502
680.730714	SIGNAL CABLE, 7 CONDUCTOR, 14 AWG	FT	254
680.77000105	MODIFY TRAFFIC SIGNAL INSTALLATION, LOCATION 1	ELOC	1
680.78010005	ALTER PULLBOX FOR CONDUITS	EA	1
680.78020005	ALTER CONDUIT GROUP FOR PULLBOX	EA	4
680.78030005	CUT AND PREPARE EXISTING CONDUIT GROUP	EA	4
680.80324515	INSTALL MICROCOMPUTER CABINET	EA	1
680.80324603	MICROCOMPUTER CABINET BASE (ALUMINUM)	EA	1
680.810101	SIGNAL MODULE - 12 IN. RED BALL LED	EA	10
680.810102	SIGNAL MODULE - 12 IN. RED ARROW LED	EA	2
680.810103	SIGNAL MODULE - 12 IN. YELLOW BALL LED	EA	10
680.810104	SIGNAL MODULE - 12 IN. YELLOW ARROW LED	EA	2
680.810105	SIGNAL MODULE - 12 IN. GREEN BALL LED	EA	10
680.810106	SIGNAL MODULE - 12 IN. GREEN ARROW LED	EA	2
680.810601	SIGNAL SECTION, POLYCARBONATE, TYPE 1, 12"	EA	36
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EA	6
680.8112	TRAFFIC SIGNAL BRACKET ASSEMBLY - 2 WAY	EA	3
680.8201	OVER-HEAD SIGN ASSEMBLY, TYPE A	EA	2
680.95010615	SERVICE CABLE, 1 CONDUCTOR, 6 AWG	FT	252

1.) ITEM 680.77000105, "MODIFY TRAFFIC SIGNAL INSTALLATION, LOCATION 1" SHALL INCLUDE: A) THE REQUIRED MODIFICATIONS TO THE EXISTING WIRING WITHIN THE SIGNAL CABINETS TO MATCH THE PROPOSED INPUT WIRING AND SWITCHPACKS FOUND IN THE PLANS, B) MODIFICATION OF EXISTING CONDUIT FROM ORIGINAL CABINET TO BE RUN IN TO NEW CABINET OR PROPOSED ELECTRIC PULLBOX, C) PULLING WIRE FROM ORIGINAL CABINET TO NEAREST PULLBOX AND THEN RE-RUNNING IT TO NEW CABINET, AND D) REMOVAL OF ORIGINAL CABINET.

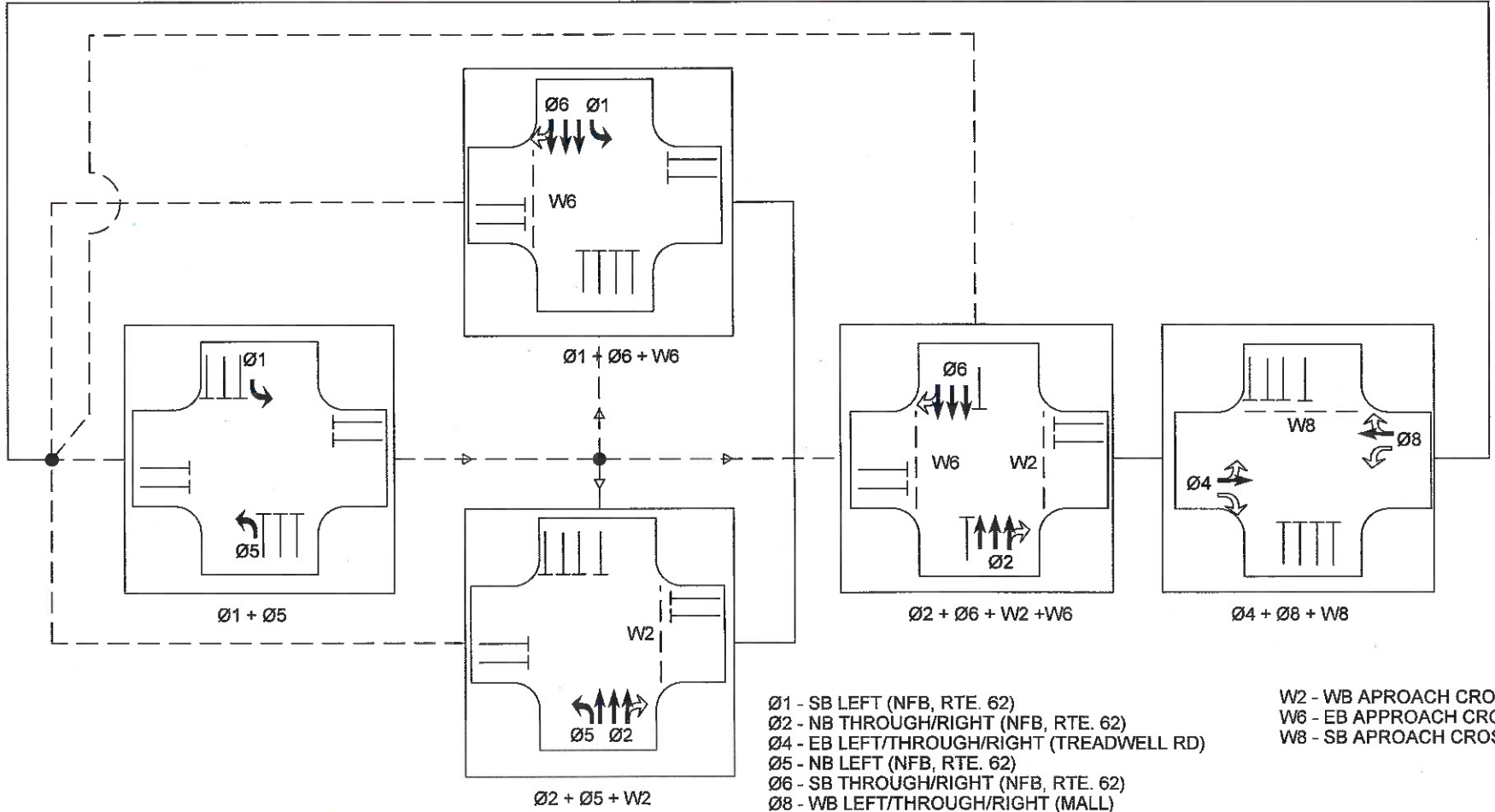
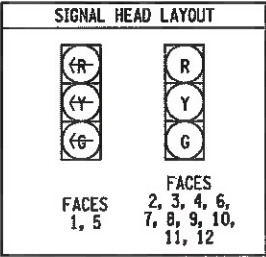
2.) EXISTING PULLBOX LOCATIONS ON PLANS ARE SHOWN BASED ON RECORD PLANS. ACTUAL FIELD LOCATIONS MAY VARY. CONDUIT ORIENTATION SHOWN MAY DIFFER FROM REQUIRED ORIENTATION. FIELD VERIFY BEFORE CONDUIT INSTALLATION.

3.) DISTANCES ARE APPROXIMATE. SIGNAL HEADS AND SIGNS MAY BE ADJUSTED IN THE FIELD WITH APPROVAL OF ETC.

4.) NOTIFY DIG SAFELY - NEW YORK AT (800) 962-7962 PRIOR TO ANY EXCAVATION.

5.) FOR ELECTRIC SERVICE CONNECTIONS, CALL NATIONAL GRID AT (800) 642-4272.

6.) ALL SIGNAL HEADS SHALL BE CENTERED OVER THE LANE.



Ø1 - SB LEFT (NFB, RTE. 62)
Ø2 - NB THROUGH/RIGHT (NFB, RTE. 62)
Ø4 - EB LEFT/THROUGH/RIGHT (TREADWELL RD)
Ø5 - NB LEFT (NFB, RTE. 62)
Ø6 - SB THROUGH/RIGHT (NFB, RTE. 62)
Ø8 - WB LEFT/THROUGH/RIGHT (MALL)

W2 - WB APPROACH CROSSING
W6 - EB APPROACH CROSSING
W8 - SB APPROACH CROSSING

SIGNAL HEAD DATA TABLE									
FACE	680.810101	680.810102	680.810103	680.810104	680.810105	680.810106	680.810601	680.8111	680.8112
1		1		1		1	3		1
2	1		1		1		3		1
3	1		1		1		3	1	
4	1		1		1		3	1	
5		1		1		1	3		1
6	1		1		1		3	1	
7	1		1		1		3	1	
8	1		1		1		3	1	
9	1		1		1		3		
10	1		1		1		3	1	
11	1		1		1		3		
12	1		1		1		3		
TOTALS	10 EA	2 EA	10 EA	2 EA	10 EA	2 EA	36 EA	6 EA	3 EA

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 282 (ERIE)
NIAGARA FALLS BLVD AT TREADWELL RD
& BOULEVARD MALL SOUTH ENTRANCE

CONTRACT NUMBER
D264643

DRAWING NO. TSP-02-03
SHEET NO. 38

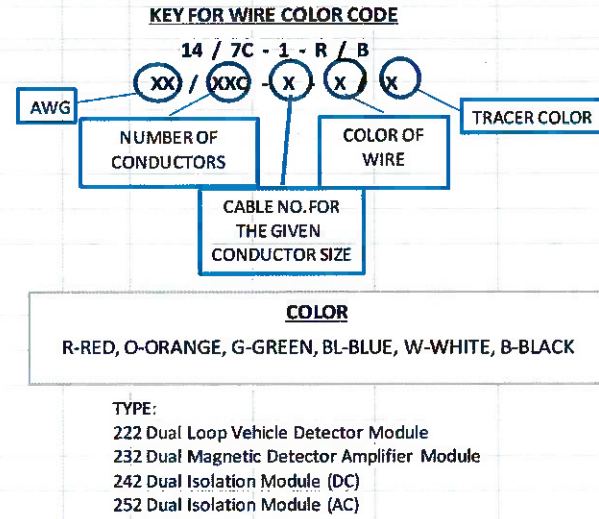
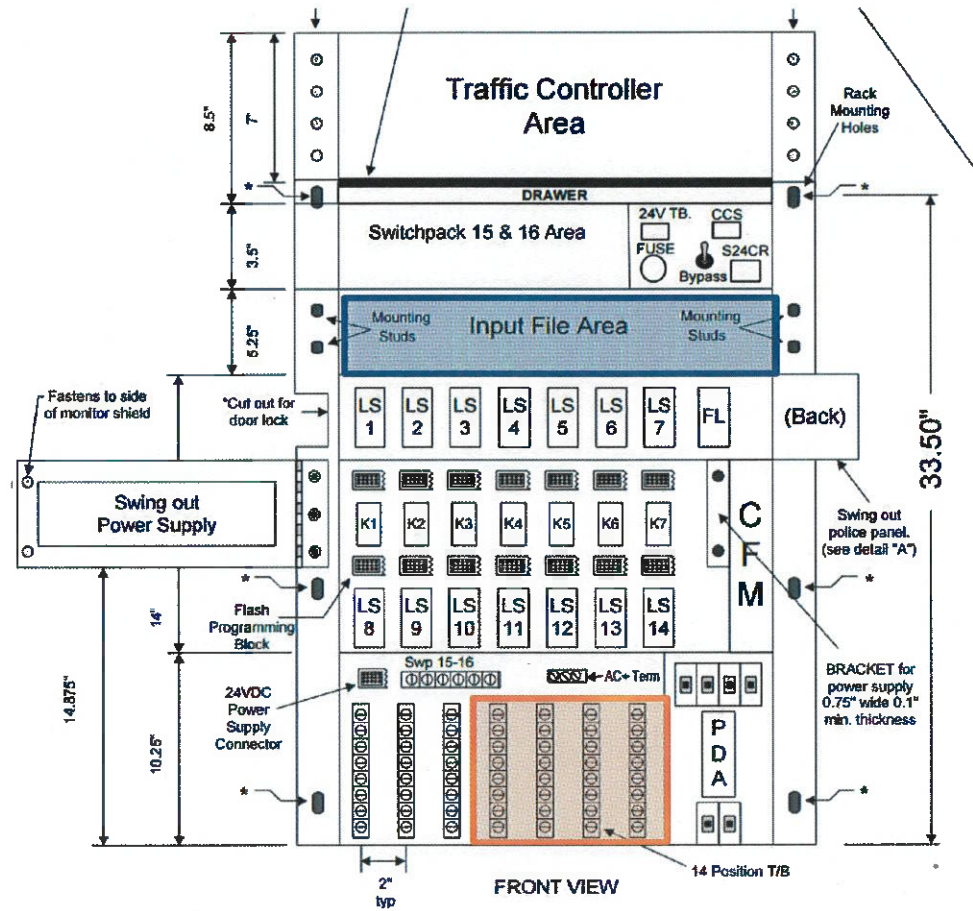
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation

FILE NAME = 581437_CPH_TSP_02_04_SIGNAL_282.dgn
DATE/TIME = 30-AUG-2021 11:45
USER = pgladen

DESIGN SUPERVISOR SANJAY SINGH
JOB MANAGER JOHN WENTZ
DESIGN PHILIP GLADWIN
CHECK BRIAN DANKERT
DRAFTING PHILIP GLADWIN
CHECK BRIAN DANKERT
PROJECT MANAGER SANJAY SINGH



SIGNAL OPERATIONS SPECIFICATIONS										DATE:		08/27/2021			
TABLE OF INPUT WIRING															
SIGNAL NUMBER		05-53-282		COUNTY		Erie		INTERSECTION		Rt 62 and Treadwell Rd					
INPUT FILE AREA		FUNCTION		DETECTOR LOCATION ID				TERMINAL WIRING BOARD							
SLOT		TYPE		(Φ# / PED #)		DESCRIPTION		(PER PLAN)		TERMINAL		WIRE COLOR CODE			
1 - TOP		Video Card	Video Card	360 Degree Camera						1A	AS PER SUPPLIER				
1 - BOTTOM											1B	AS PER SUPPLIER			
2 - TOP										2A					
2 - BOTTOM											2B				
3 - TOP										3A					
3 - BOTTOM											3B				
4 - TOP										4A					
4 - BOTTOM											4B				
5 - TOP										5A					
5 - BOTTOM											5B				
6 - TOP										6A					
6 - BOTTOM											6B				
7 - TOP										7A					
7 - BOTTOM											7B				
8 - TOP										8A					
8 - BOTTOM											8B				
9 - TOP										9A					
9 - BOTTOM											9B				
10 - TOP										10A					
10 - BOTTOM											10B				
11 - TOP										11A					
11 - BOTTOM											11B				
12 - TOP										12A					
12 - BOTTOM											12B				
13 - TOP		242	Φ2 Ped	Crossing Treadwell	W2.1	W2.2				13A					
13 - BOTTOM															
14 - TOP		242	Φ6 Ped	Crossing Treadwell	W6.1	W6.2				14A					
14 - BOTTOM															
			Φ8 Ped	Crossing Rt 62	W8.1	W8.2				15A					
										16A					
										17A					
										18A					
										19A					
										20A					
										21A					
										22A					
										23A					
										24A					
										25A	14/5C-W2.1-O	14/5C-W2.2-O			
										26A					
										27A	14/5C-W6.1-O	14/5C-W6.2-O			
										28A	14/5C-W8.1-O	14/5C-W8.2-O			

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE REGION: 05

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 282 (ERIE)
NIAGARA FALLS BLVD AT TREADWELL RD
& BOULEVARD MALL SOUTH ENTRANCE

CONTRACT NUMBER
D264643

DRAWING NO. TSP-02-04
SHEET NO. 39

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation

PROJECT MANAGER SANJAY SINGH

CHECK BRIAN DANKERT

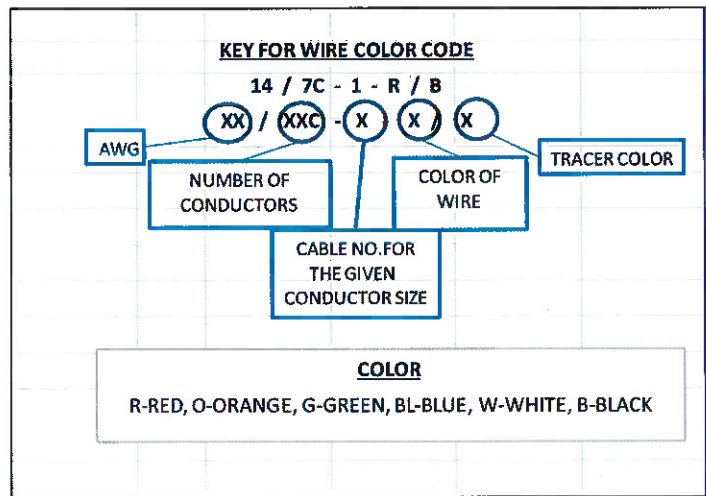
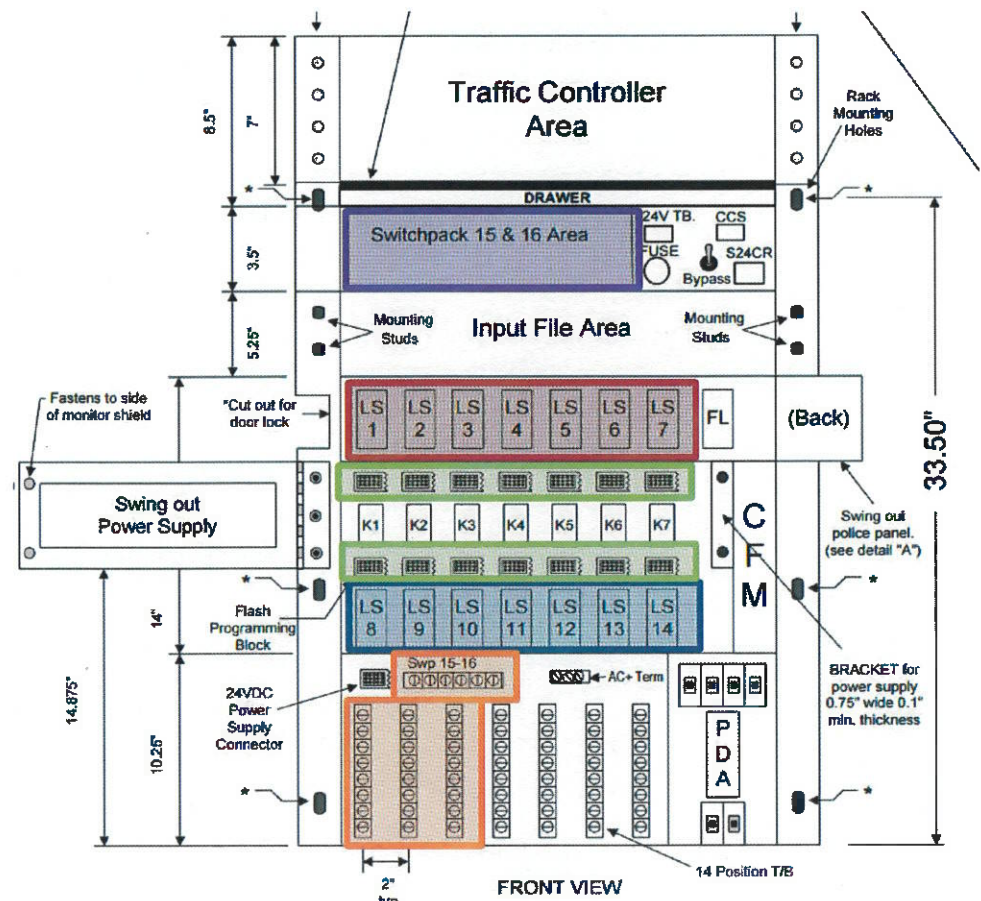
DRAFTING PHILIP GLADWIN

CHECK BRIAN DANKERT

DESIGN PHILIP GLADWIN

JOB MANAGER JOHN WENTZ

DESIGN SUPERVISOR SANJAY SINGH



LEGEND					
INDICATIONS					
G	= CIRCULAR GREEN	Y	= CIRCULAR YELLOW	R	= CIRCULAR RED
←G	= LEFT GREEN ARROW	←Y	= LEFT YELLOW ARROW	←R	= LEFT RED ARROW
→G	= RIGHT GREEN ARROW	→Y	= RIGHT YELLOW ARROW	→R	= RIGHT RED ARROW
↑G	= VERT. GREEN ARROW	↑FY	= FLASHING YELLOW ARROW	WALK	= HAND/MAN
				DON'T WALK	= FLASHING HAD/COUNT DOWN TIMER
FLASH PLUG					
W	= DARK				
R	= FLASH RED				

SIGNAL OPERATIONS SPECIFICATIONS										DATE:	08/27/2021
TABLE OF SWITCH PACKS											
SIGNAL NUMBER		05-53-282		COUNTY		Erie		INTERSECTION		Rt 62 and Treadwell Rd	
SWITCH PACK		FUNCTION (Φ# / OVLP)		FACE NUMBERS		FLASH PLUG		INDICATIONS		TERMINAL WIRING BOARD	
										WIRE COLOR CODE PER FACE	
SP 1	Φ1	1				R		←R	SP 1R	14/7C-1-R	
								←Y	SP 1Y	14/7C-1-Y	
								←G	SP 1G	14/7C-1-G	
								GND. BAR	SP 1G	14/7C-1-W	
SP 2	Φ2	6	7	8		Y		R	SP 2R	14/5C-6-R	14/5C-7-R
								Y	SP 2Y	14/5C-6-Y	14/5C-7-Y
								G	SP 2G	14/5C-6-G	14/5C-7-G
								GND. WIRE	SP 2G	14/5C-6-W	14/5C-7-W
SP 3									SP 3R		
									SP 3Y		
									SP 3G		
								GND. WIRE	SP 3G		
SP 4	Φ4	10	11			R		R	SP 4R	14/5C-10-R	14/5C-11-R
								Y	SP 4Y	14/5C-10-Y	14/5C-11-Y
								G	SP 4G	14/5C-10-G	14/5C-11-G
								GND. WIRE	SP 4G	14/5C-10-W	14/5C-11-W
SP 5	Φ5	5				R		←R	SP 5R	14/7C-5-R	
								←Y	SP 5Y	14/7C-5-Y	
								←G	SP 5G	14/7C-5-G	
								GND. WIRE	SP 5G	14/7C-5-W	
SP 6	Φ6	2	3	4		Y		R	SP 6R	14/5C-2-R	14/5C-3-R
								Y	SP 6Y	14/5C-2-Y	14/5C-3-Y
								G	SP 6G	14/5C-2-G	14/5C-3-G
								GND. WIRE	SP 6G	14/5C-2-W	14/5C-3-W
SP 7									SP 7R		
									SP 7Y		
									SP 7G		
								GND. WIRE	SP 7G		
SP 8	Φ8	9	10			R		R	SP 8R	14/5C-9-R	14/5C-10-R
								Y	SP 8Y	14/5C-9-Y	14/5C-10-Y
								G	SP 8G	14/5C-9-G	14/5C-10-G
								GND. WIRE	SP 8G	14/5C-9-W	14/5C-10-W
SP 9									SP 9R		
									SP 9Y		
									SP 9G		
								GND. WIRE	SP 9G		
SP 10									SP 10R		
									SP 10Y		
									SP 10G		
								GND. WIRE	SP 10G		
SP 11									SP 11R		
									SP 11Y		
									SP 11G		
								GND. WIRE	SP 11G		
SP 12									SP 12R		
									SP 12Y		
									SP 12G		
								GND. WIRE	SP 12G		
SP 13	Φ2 Ped	W2.1	W2.2			W		DON'T WALK	SP 13R	14/5C-W2.1-R	14/5C-W2.2-R
								WALK	SP 13Y		
								GND. WIRE	SP 13G	14/5C-W2.1-G	14/5C-W2.2-G
								GND. WIRE	SP 13G	14/5C-W2.1-W	14/5C-W2.2-W
SP 14									SP 14R		
									SP 14Y		
									SP 14G		
								GND. WIRE	SP 14G		
SP 15	Φ6 Ped	W6.1	W6.2			W		DON'T WALK	SP 15R	14/5C-W6.1-R	14/5C-W6.2-R
								WALK	SP 15Y		
								GND. WIRE	SP 15G	14/5C-W6.1-G	14/5C-W6.2-G
								GND. WIRE	SP 15G	14/5C-W6.1-W	14/5C-W6.2-W
SP 16	Φ8 Ped	W8.1	W8.2			W		DON'T WALK	SP 16R	14/5C-W8.1-R	14/5C-W8.2-R
								WALK	SP 16Y		
								GND. WIRE	SP 16G	14/5C-W8.1-G	14/5C-W8.2-G
								GND. WIRE	SP 16G	14/5C-W8.1-W	14/5C-W8.2-W

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 282 (ERIE)
NIAGARA FALLS BLVD AT TREADWELL RD
& BOULEVARD MALL SOUTH ENTRANCE

CONTRACT NUMBER
D264643

DRAWING NO. TSP-02-05
SHEET NO. 40

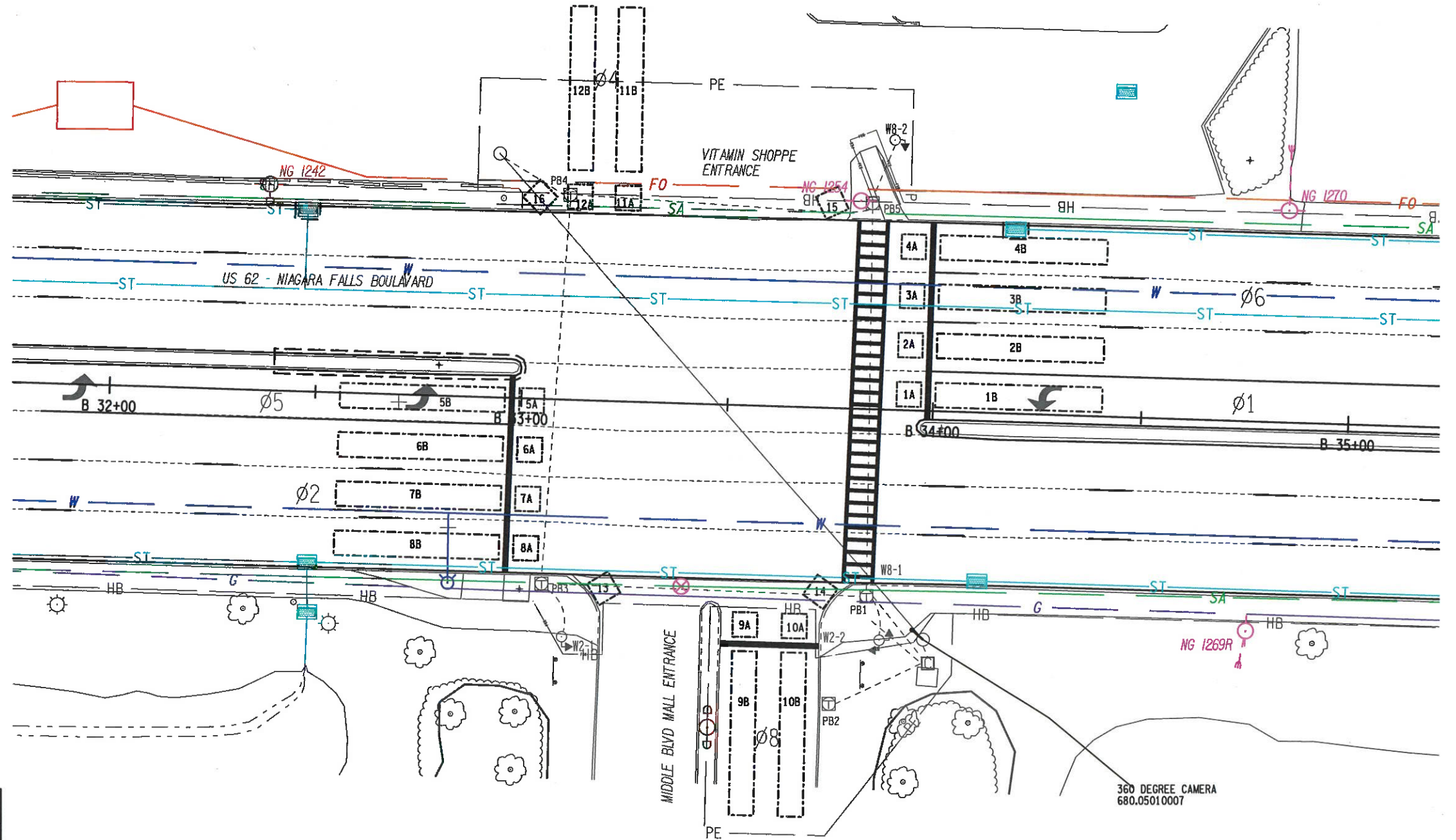
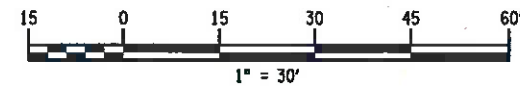
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation

FILE NAME = 581437.CPH_TSP_03_01_SIGNAL_298P.dgn
DATE/TIME = 30-AUG-2021 11:45
USER = pgladwin

DESIGN SUPERVISOR SANJAY SINGH JOB MANAGER JOHN WENTZ DESIGN PHILIP GLADWIN CHECK BRIAN DANKERT DRAFTING PHILIP GLADWIN CHECK BRIAN DANKERT PROJECT MANAGER SANJAY SINGH



AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 298P (ERIE)
NIAGARA FALLS BLVD AT
BOULEVARD MALL & GARDENS PLAZA

CONTRACT NUMBER
D264643

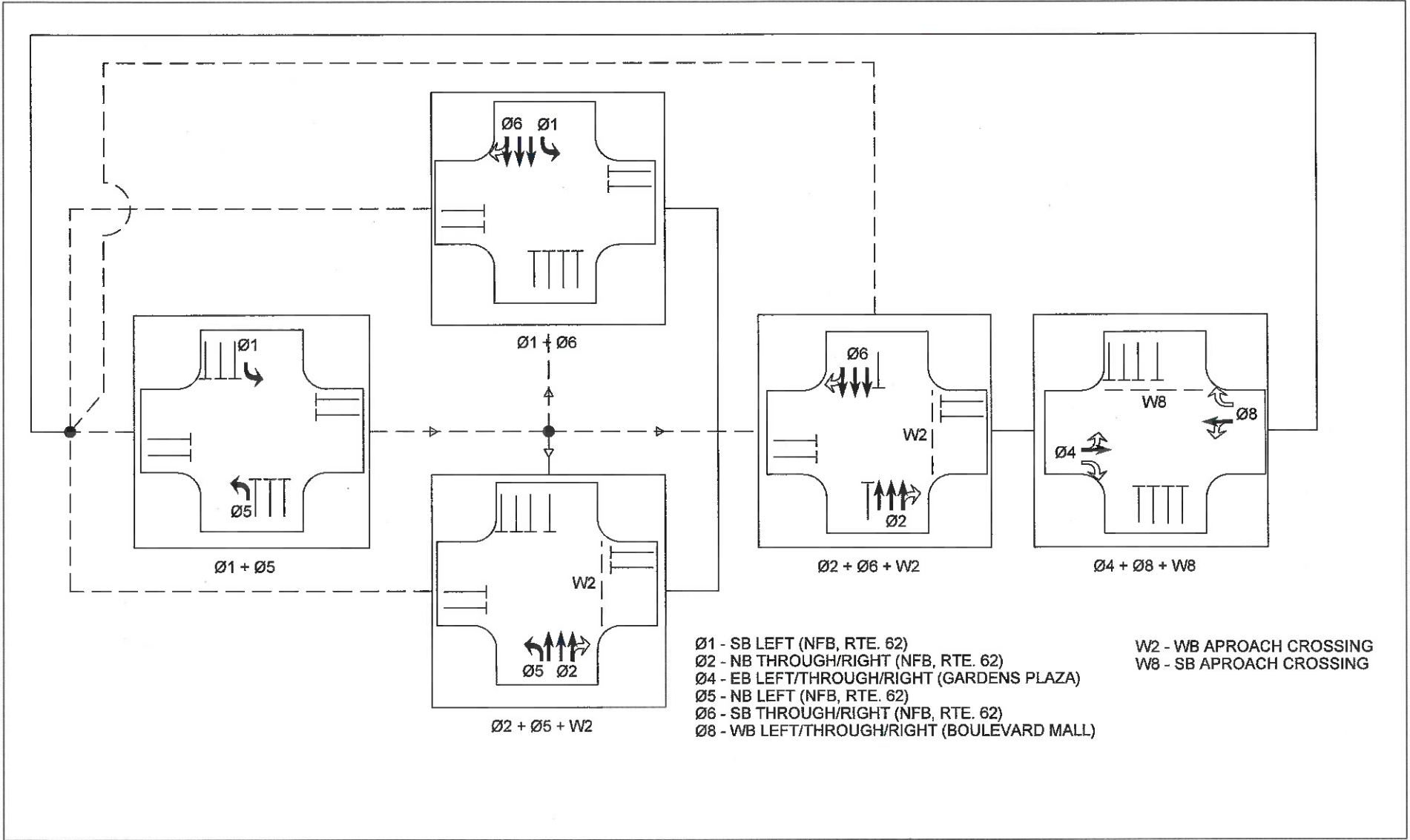
DRAWING NO. TSP-03-01
SHEET NO. 41

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



NYS DOT TRAFFIC SIGNAL #298P (ERIE)
NIAGARA FALLS BLVD AT BOULEVARD MALL & GARDENS PLAZA

0503 298P



Ø1 - SB LEFT (NFB, RTE. 62)
Ø2 - NB THROUGH/RIGHT (NFB, RTE. 62)
Ø4 - EB LEFT/THROUGH/RIGHT (GARDENS PLAZA)
Ø5 - NB LEFT (NFB, RTE. 62)
Ø6 - SB THROUGH/RIGHT (NFB, RTE. 62)
Ø8 - WB LEFT/THROUGH/RIGHT (BOULEVARD MALL)

W2 - WB APPROACH CROSSING
W8 - SB APPROACH CROSSING

1.) ITEM 680.77000405, "MODIFY TRAFFIC SIGNAL INSTALLATION, LOCATION 4" SHALL INCLUDE: A) THE REQUIRED MODIFICATIONS TO THE EXISTING WIRING WITHIN THE SIGNAL CABINETS TO MATCH THE PROPOSED INPUT WIRING AND SWITCHPACKS FOUND IN THE PLANS, B) REMOVAL OF SHIELDED LEAD-IN CABLE BACK TO CABINET, C) PREPARING SIGNAL SYSTEM FOR INSTALLATION OF NEW 360 DEGREE TRAFFIC DETECTION CAMERA.

2.) EXISTING PULLBOX LOCATIONS ON PLANS ARE SHOWN BASED ON RECORD PLANS. ACTUAL FIELD LOCATIONS MAY VARY. CONDUIT ORIENTATION SHOWN MAY DIFFER FROM REQUIRED ORIENTATION. FIELD VERIFY BEFORE CONDUIT INSTALLATION.

3.) DISTANCES ARE APPROXIMATE. SIGNAL HEADS AND SIGNS MAY BE ADJUSTED IN THE FIELD WITH APPROVAL OF EIC.

4.) NOTIFY DIG SAFELY - NEW YORK AT (800) 962-7962 PRIOR TO ANY EXCAVATION.

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 298P (ERIE)
NIAGARA FALLS BLVD AT
BOULEVARD MALL & GARDENS PLAZA

CONTRACT NUMBER
D264643

DRAWING NO. TSP-03-02
SHEET NO. 42

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation

FILE NAME = 581437_CPH_TSP_03_02_SIGNAL_298P.dgn
DATE/TIME = 30-AUG-2021 11:45
USER = pgladen

DESIGN SUPERVISOR SANJAY SINGH
JOB MANAGER JOHN WENTZ
DESIGN PHILIP GLADWIN
CHECK BRIAN DANKERT
DRAFTING PHILIP GLADWIN
CHECK BRIAN DANKERT
PROJECT MANAGER SANJAY SINGH

PROJECT MANAGER SANJAY SINGH

CHECK BRIAN DANKERT

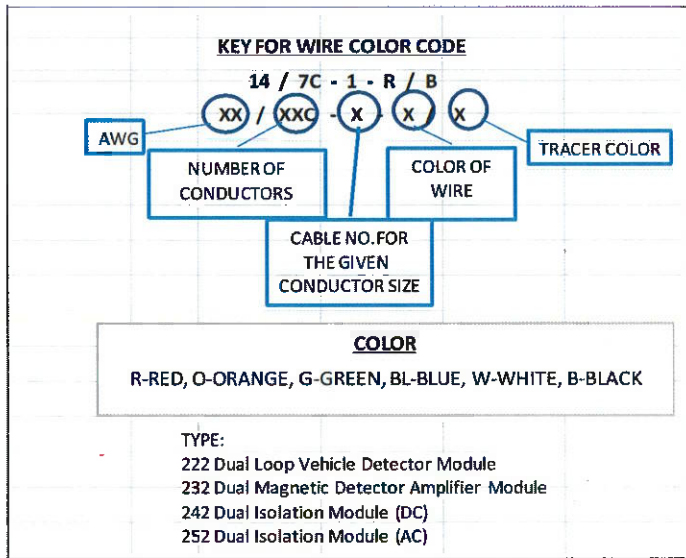
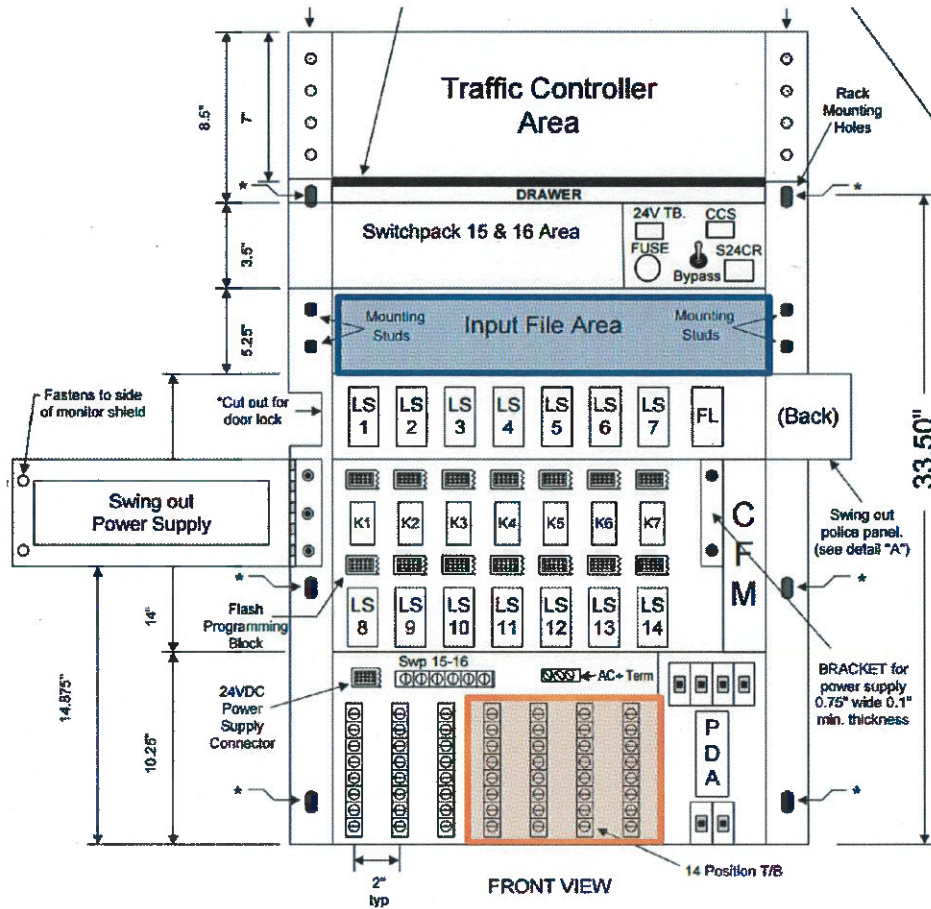
DRAFTING PHILIP GLADWIN

CHECK BRIAN DANKERT

DESIGN PHILIP GLADWIN

JOB MANAGER JOHN WENTZ

DESIGN SUPERVISOR SANJAY SINGH



SIGNAL OPERATIONS SPECIFICATIONS										DATE:		08/04/2021			
TABLE OF INPUT WIRING															
SIGNAL NUMBER		05-53-298P		COUNTY		Erie		INTERSECTION		Rt 62 and Blvd Mall/Gardens Plaza					
INPUT FILE AREA		FUNCTION		DETECTOR LOCATION ID				TERMINAL WIRING BOARD							
SLOT		TYPE		(Φ#)/PED #		DESCRIPTION		(PER PLAN)		TERMINAL		WIRE COLOR CODE			
1 - TOP		Video Card	Video Card	360 Degree Camera					1A		AS PER SUPPLIER				
									1B		AS PER SUPPLIER				
1 - BOTTOM									2A						
									2B						
2 - TOP									3A						
									3B						
2 - BOTTOM									4A						
									4B						
3 - TOP									5A						
									5B						
3 - BOTTOM									6A						
									6B						
4 - TOP									7A						
									7B						
4 - BOTTOM									8A						
									8B						
5 - TOP									9A						
									9B						
5 - BOTTOM									10A						
									10B						
6 - TOP									11A						
									11B						
6 - BOTTOM									12A						
									12B						
7 - TOP									13A						
									13B						
7 - BOTTOM									14A						
									14B						
8 - TOP									15A						
									15B						
8 - BOTTOM									16A						
									16B						
9 - TOP									17A						
									17B						
9 - BOTTOM									18A						
									18B						
10 - TOP									19A						
									19B						
10 - BOTTOM									20A						
									20B						
11 - TOP									21A						
									21B						
11 - BOTTOM									22A						
									22B						
12 - TOP									23A						
									23B						
12 - BOTTOM									24A						
									24B						
13 - TOP		242	Φ2 Ped	Crossing Blvd Mall	W2.1	W2.2			25A	14/5C-W2.1-O	14/5C-W2.2-O				
									25B	14/5C-W2.1-B	14/5C-W2.2-B				
13 - BOTTOM									26A						
									26B						
14 - TOP		242							27A						
									27B						
14 - BOTTOM			Φ8 Ped	Crossing Rt 62	W8.1	W8.2			28A	14/5C-W8.1-O	14/5C-W8.2-O				
									28B	14/5C-W8.1-B	14/5C-W8.2-B				

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE REGION: 05

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 298P (ERIE)
NIAGARA FALLS BLVD AT
BOULEVARD MALL & GARDENS PLAZA

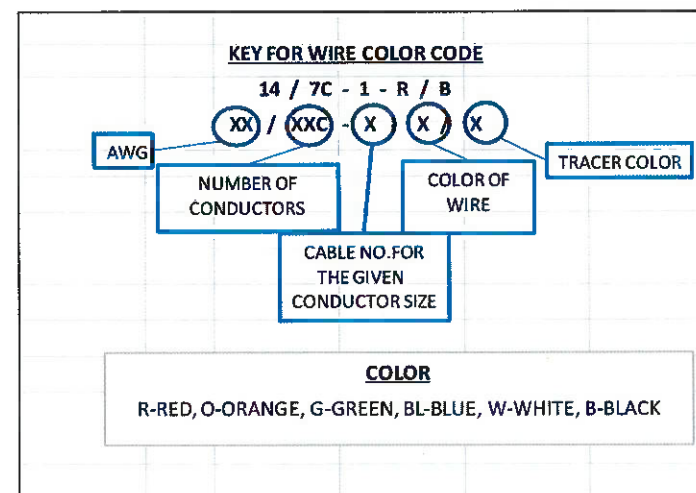
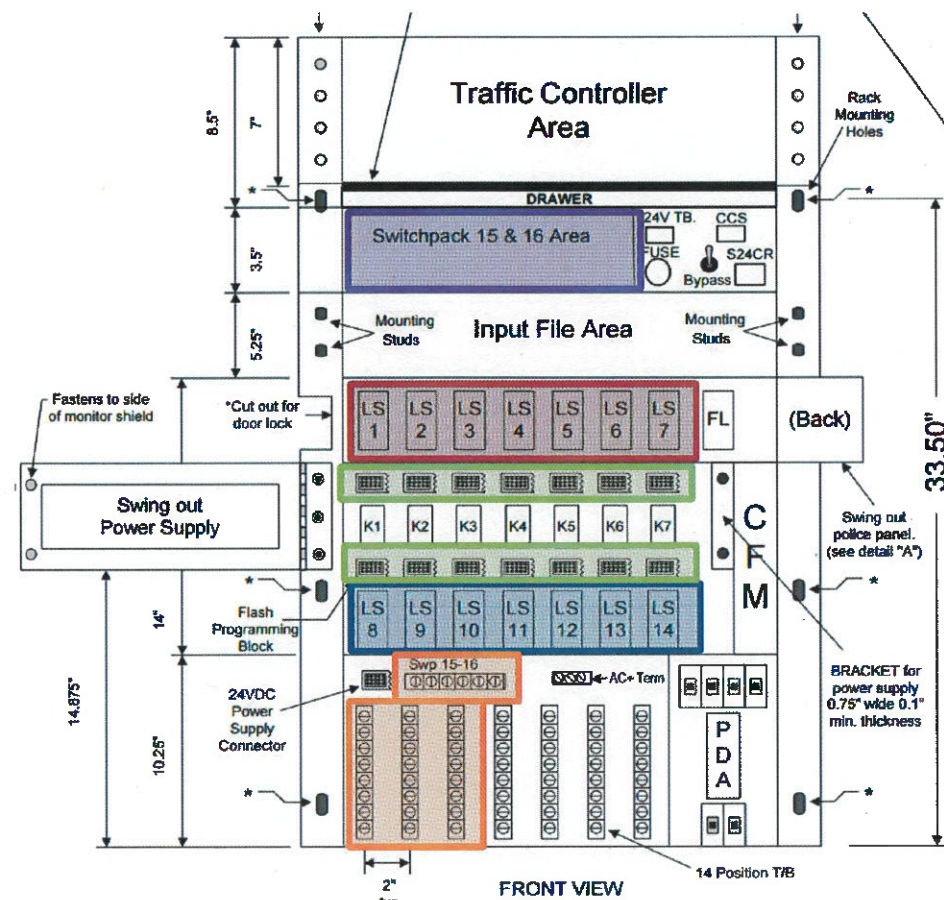
CONTRACT NUMBER
D264643

DRAWING NO. TSP-03-03
SHEET NO. 43







IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation



<u>LEGEND</u>					
INDICATIONS					
G	= CIRCULAR GREEN	Y	= CIRCULAR YELLOW	R	= CIRCULAR RED
	= LEFT GREEN ARROW		= LEFT YELLOW ARROW		= LEFT RED ARROW
	= RIGHT GREEN ARROW		= RIGHT YELLOW ARROW		= RIGHT RED ARROW
	= VERT. GREEN ARROW		= FLASHING YELLOW ARROW	WALK	= HAND/MAN
				DON'T WALK	= FLASHING HAD/COUNT DOWN TIMER
FLASH PLUG					
W	= DARK				
R	= FLASH RED				

SIGNAL OPERATIONS SPECIFICATIONS										DATE: 08/04/2021		
TABLE OF SWITCH PACKS												
SIGNAL NUMBER		05-53-298P			COUNTY	Erie	INTERSECTION		Rt 62 and Blvd Mall/Gardens Plaza			
SWITCH PACK	FUNCTION (Φ# /OVLP)	FACE NUMBERS			FLASH PLUG	INDICATIONS	TERMINAL WIRING BOARD					
						TERMINAL	WIRE COLOR CODE PER FACE					
TOP ROW (LS1-LS7)	SP 1	Φ1	1			R		SP 1R	14/7C-1-R			
								SP 1Y	14/7C-1-Y			
								SP 1G	14/7C-1-G			
							GND. BAR	GND. BUS	14/7C-1-W			
	SP 2	Φ2	5	6			R	R	SP 2R	14/5C-5-R	14/5C-6-R	
								Y	SP 2Y	14/5C-5-Y	14/5C-6-Y	
								G	SP 2G	14/5C-5-G	14/5C-6-G	
								GND. WIRE	GND. BUS	14/5C-5-W	14/5C-6-W	
	SP 3								SP 3R			
									SP 3Y			
									SP 3G			
								GND. WIRE	GND. BUS			
	SP 4	Φ4	9	10			R	R	SP 4R	14/5C-9-R	14/5C-10-R	
								Y	SP 4Y	14/5C-9-Y	14/5C-10-Y	
								G	SP 4G	14/5C-9-G	14/5C-10-G	
								GND. WIRE	GND. BUS	14/5C-9-W	14/5C-10-W	
	SP 5	Φ5	4				R		SP 5R	14/7C-4-R		
									SP 5Y	14/7C-4-Y		
									SP 5G	14/7C-4-G		
								GND. WIRE	GND. BUS	14/7C-4-W		
	SP 6	Φ6	2	3			R	R	SP 6R	14/5C-2-R	14/5C-3-R	
								Y	SP 6Y	14/5C-2-Y	14/5C-3-Y	
								G	SP 6G	14/5C-2-G	14/5C-3-G	
								GND. WIRE	GND. BUS	14/5C-2-W	14/5C-3-W	
SP 7								SP 7R				
								SP 7Y				
								SP 7G				
							GND. WIRE	GND. BUS				
SP 8	Φ8	7	8			R	R	SP 8R	14/5C-7-R	14/5C-8-R		
							Y	SP 8Y	14/5C-7-Y	14/5C-8-Y		
							G	SP 8G	14/5C-7-G	14/5C-8-G		
							GND. WIRE	GND. BUS	14/5C-7-W	14/5C-8-W		
SP 9								SP 9R				
								SP 9Y				
								SP 9G				
							GND. WIRE	GND. BUS				
SP 10								SP 10R				
								SP 10Y				
								SP 10G				
							GND. WIRE	GND. BUS				
SP 11								SP 11R				
								SP 11Y				
								SP 11G				
							GND. WIRE	GND. BUS				
SP 12								SP 12R				
								SP 12Y				
								SP 12G				
							GND. WIRE	GND. BUS				
SP 13	Φ2 Ped	W2.1	W2.2			W	DON'T WALK	SP 13R	14/5C-W2.1-R	14/5C-W2.2-R		
								SP 13Y				
							WALK	SP 13G	14/5C-W2.1-G	14/5C-W2.2-G		
							GND. WIRE	GND. BUS	14/5C-W2.1-W	14/5C-W2.2-W		
SP 14								SP 14R				
								SP 14Y				
								SP 14G				
							GND. WIRE	GND. BUS				
SP 15								SP 15R				
								SP 15Y				
								SP 15G				
							GND. WIRE	GND. BUS				
SP 16	Φ8 Ped	W8.1	W8.2			W	DON'T WALK	SP 16R	14/5C-W8.1-R	14/5C-W8.2-R		
								SP 16Y				
							WALK	SP 16G	14/5C-W8.1-G	14/5C-W8.2-G		
							GND. WIRE	GND. BUS	14/5C-W8.1-W	14/5C-W8.2-W		

ALTERED BY:
ON:

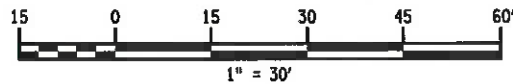


DRAWING NO. TSP-03-04
SHEET NO. 44

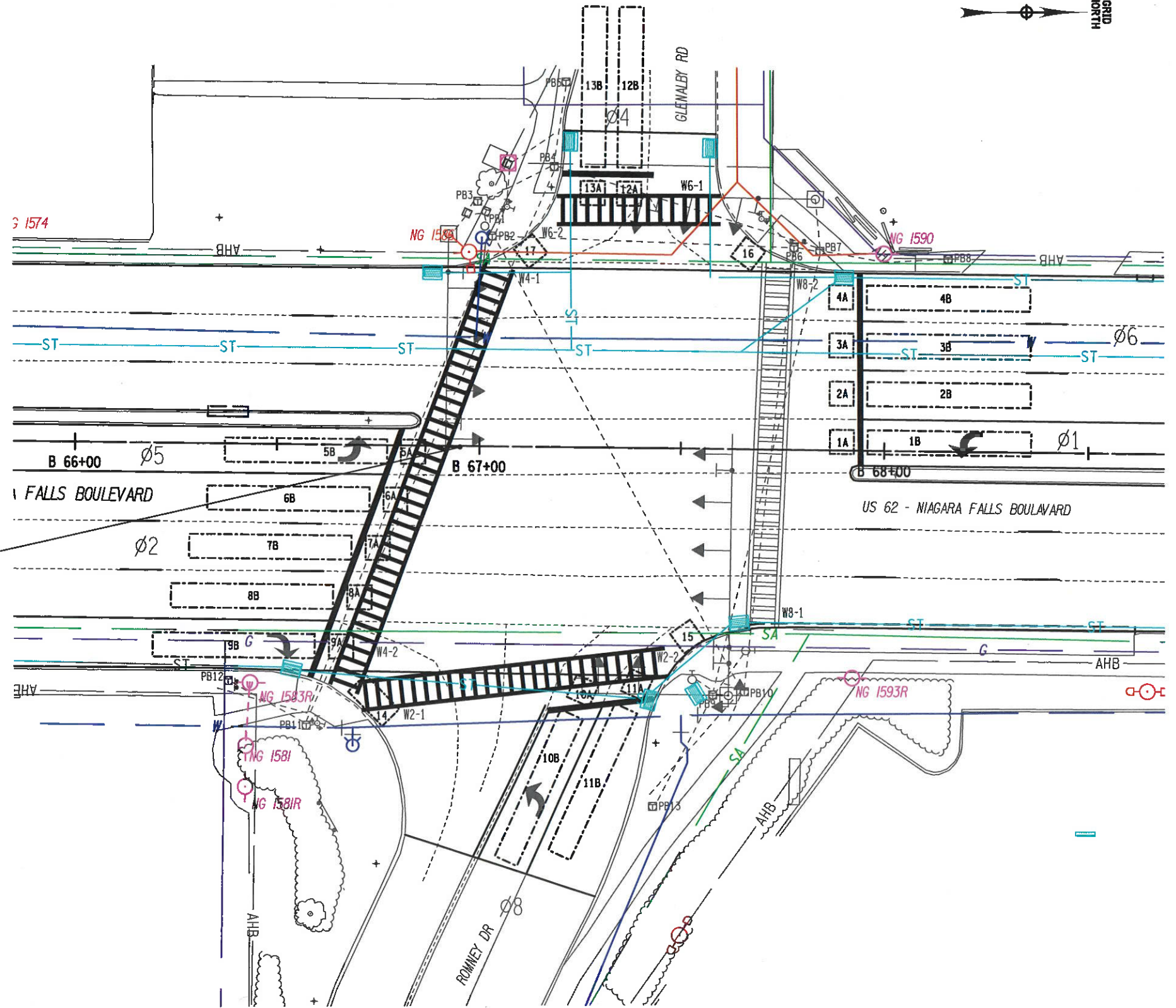
Department of
Transportation

FILE NAME = 581437_CPL_TSP_04_01_SIGNAL_283.dgn
DATE/TIME = 30-AUG-2021 11:45
USER = pglackun

DESIGN SUPERVISOR SANJAY SINGH
JOB MANAGER JOHN WENTZ
DESIGN PHILIP GLADWIN
CHECK BRIAN DANKERT
DRAFTING PHILIP GLADWIN
CHECK BRIAN DANKERT
PROJECT MANAGER SANJAY SINGH



360 DEGREE CAMERA
680.05010007



AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 283 (ERIE)
NIAGARA FALLS BLVD AT
ROMNEY RD & GLENALBY RD

CONTRACT NUMBER
D264643

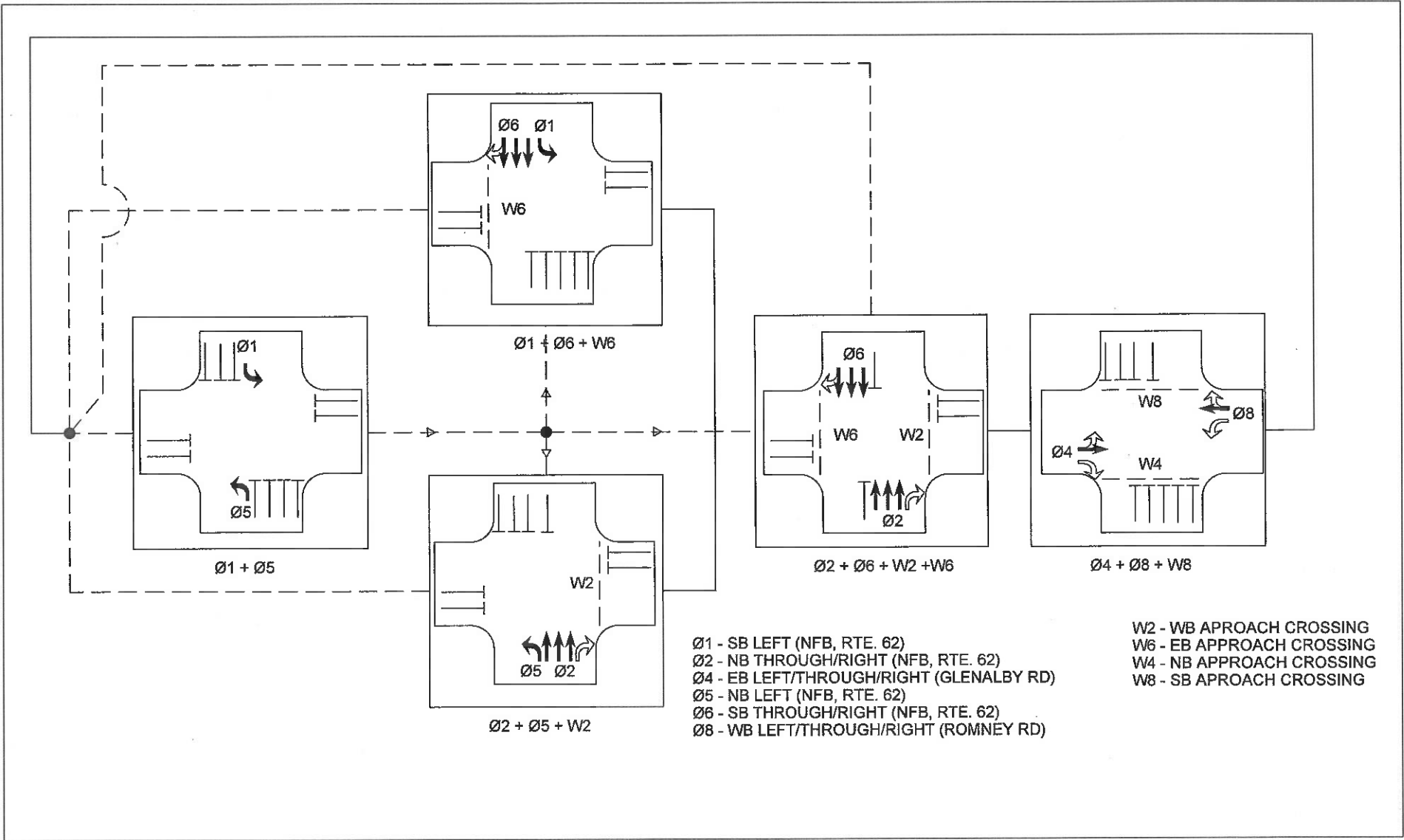
DRAWING NO. TSP-04-01
SHEET NO. 45

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



NYS DOT TRAFFIC SIGNAL #283 (ERIE)
NIAGARA FALLS BLVD AT
ROMNEY RD & GLENALBY RD

0503 283



- 1.J ITEM 680.77000505, "MODIFY TRAFFIC SIGNAL INSTALLATION, LOCATION 5" SHALL INCLUDE: A) THE REQUIRED MODIFICATIONS TO THE EXISTING WIRING WITHIN THE SIGNAL CABINETS TO MATCH THE PROPOSED INPUT WIRING AND SWITCHPACKS FOUND IN THE PLANS, B) REMOVAL OF SHIELDED LEAD-IN CABLE BACK TO CABINET, C) PREPARING SIGNAL SYSTEM FOR INSTALLATION OF NEW 360 DEGREE TRAFFIC DETECTION CAMERA.
- 2.J EXISTING PULLBOX LOCATIONS ON PLANS ARE SHOWN BASED ON RECORD PLANS. ACTUAL FIELD LOCATIONS MAY VARY. CONDUIT ORIENTATION SHOWN MAY DIFFER FROM REQUIRED ORIENTATION. FIELD VERIFY BEFORE CONDUIT INSTALLATION.
- 3.J DISTANCES ARE APPROXIMATE. SIGNAL HEADS AND SIGNS MAY BE ADJUSTED IN THE FIELD WITH APPROVAL OF EIC.
- 4.J NOTIFY DIG SAFELY - NEW YORK AT (800) 962-7962 PRIOR TO ANY EXCAVATION.

AFFIX SEAL: RENJIT P. JAMES, P.E. ON: 30-AUG-2021 11:45	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 283 (ERIE)
NIAGARA FALLS BLVD AT
ROMNEY RD & GLENALBY RD

CONTRACT NUMBER
D264643

DRAWING NO. TSP-04-02
SHEET NO. 46

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation

PROJECT MANAGER SANJAY SINGH

CHECK BRIAN DANKERT

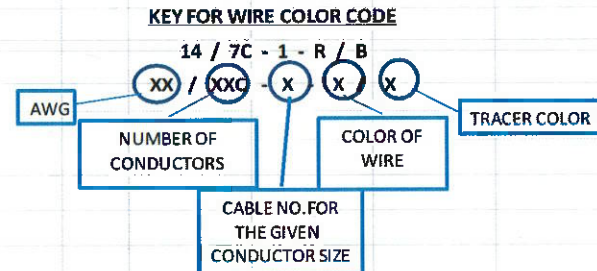
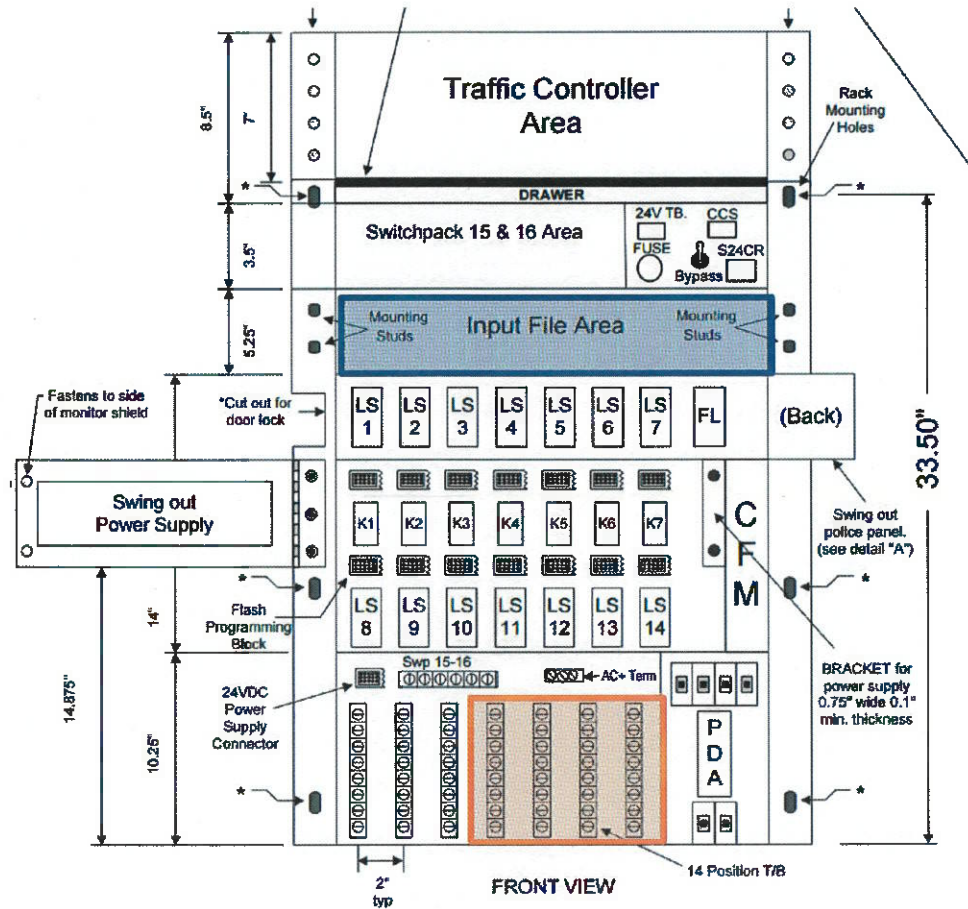
DRAFTING PHILIP GLADWIN

CHECK BRIAN DANKERT

DESIGN PHILIP GLADWIN

JOB MANAGER JOHN WENTZ

DESIGN SUPERVISOR SANJAY SINGH



COLOR
R-RED, O-ORANGE, G-GREEN, BL-BLUE, W-WHITE, B-BLACK

TYPE:
222 Dual Loop Vehicle Detector Module
232 Dual Magnetic Detector Amplifier Module
242 Dual Isolation Module (DC)
252 Dual Isolation Module (AC)

SIGNAL OPERATIONS SPECIFICATIONS

DATE: 08/04/2021

TABLE OF INPUT WIRING

SIGNAL NUMBER		05-53-283	COUNTY	Erie	INTERSECTION	Rt 62 at Glenalby Rd/Romney Rd
INPUT FILE AREA		FUNCTION	DETECTOR LOCATION ID (PER PLAN)		TERMINAL WIRING BOARD	
SLOT	TYPE	Φ# / PED # DESCRIPTION			TERMINAL	WIRE COLOR CODE
1- TOP	Video Card	Video Card 360 Degree Camera			1A	AS PER SUPPLIER
					1B	AS PER SUPPLIER
1- BOTTOM					2A	
					2B	
2- TOP					3A	
					3B	
2- BOTTOM					4A	
					4B	
3- TOP					5A	
					5B	
3- BOTTOM					6A	
					6B	
4- TOP					7A	
					7B	
4- BOTTOM					8A	
					8B	
5- TOP					9A	
					9B	
5- BOTTOM					10A	
					10B	
6- TOP					11A	
					11B	
6- BOTTOM					12A	
					12B	
7- TOP					13A	
					13B	
7- BOTTOM					14A	
					14B	
8- TOP					15A	
					15B	
8- BOTTOM					16A	
					16B	
9- TOP					17A	
					17B	
9- BOTTOM					18A	
					18B	
10- TOP					19A	
					19B	
10- BOTTOM					20A	
					20B	
11- TOP					21A	
					21B	
11- BOTTOM					22A	
					22B	
12- TOP					23A	
					23B	
12- BOTTOM					24A	
					24B	
13- TOP	242	Φ2 Ped Crossing Romney Rd	W2.1	W2.2	25A	14/5C-W2.1-O 14/5C-W2.2-O
					25B	14/5C-W2.1-B 14/5C-W2.2-B
13- BOTTOM		Φ4 Ped Crossing Glenalby Rd	W4.1	W4.2	26A	14/5C-W4.1-O 14/5C-W4.2-O
					26B	14/5C-W4.1-B 14/5C-W4.2-B
14- TOP	242	Φ6 Ped Crossing Romney Rd	W6.1	W6.2	27A	14/5C-W6.1-O 14/5C-W6.2-O
					27B	14/5C-W6.1-B 14/5C-W6.2-B
14- BOTTOM		Φ8 Ped Crossing Rt 62	W8.1	W8.2	28A	14/5C-W8.1-O 14/5C-W8.2-O
					28B	14/5C-W8.1-B 14/5C-W8.2-B

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE REGION: 05

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

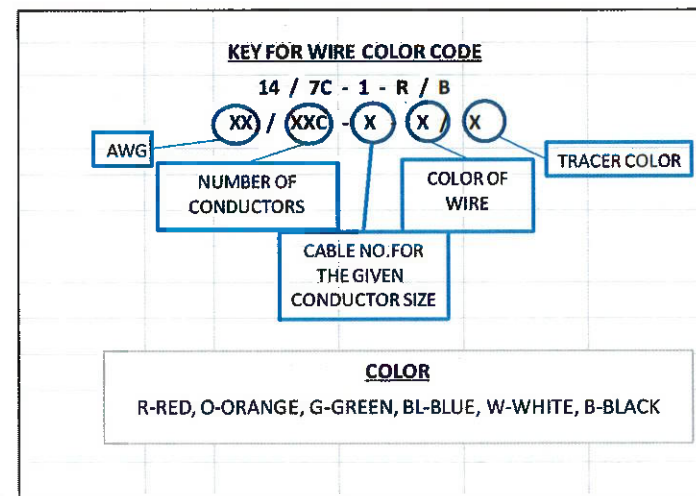
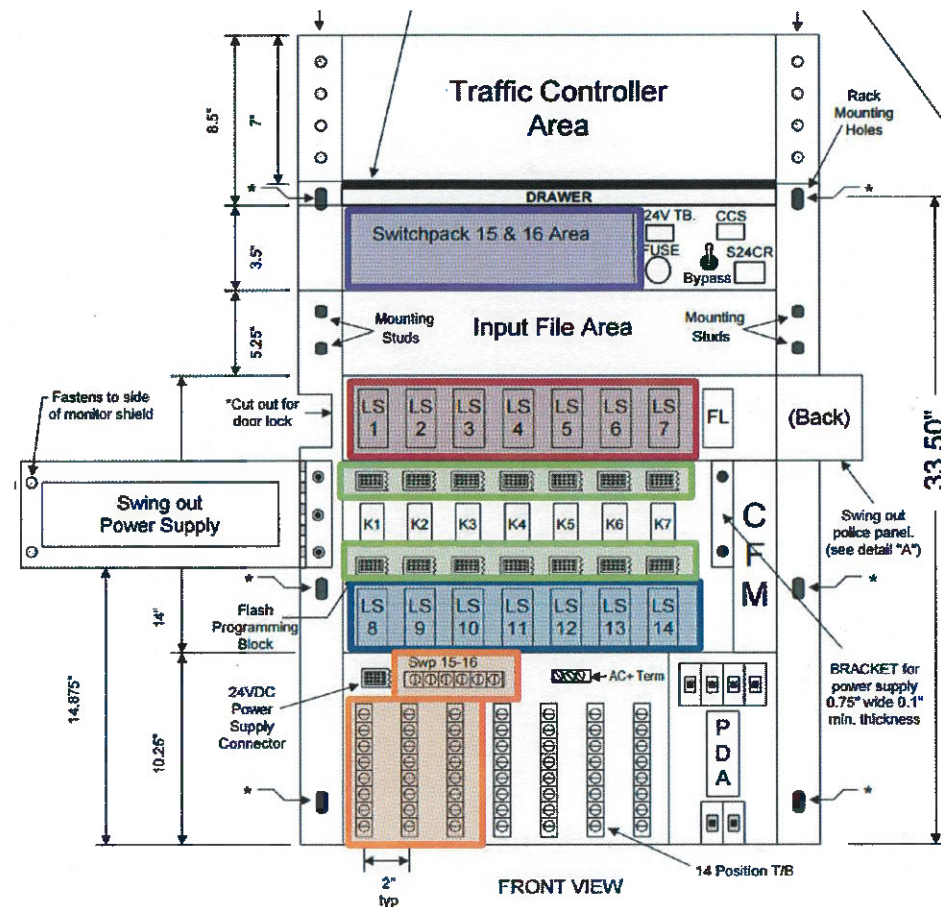
TRAFFIC SIGNAL PLAN
SIGNAL 283 (ERIE)
NIAGARA FALLS BLVD AT
ROMNEY RD & GLENALBY RD

CONTRACT NUMBER
D264643

DRAWING NO. TSP-04-03
SHEET NO. 47

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK
STATE OF
OPPORTUNITY
Department of
Transportation



LEGEND					
INDICATIONS					
G	= CIRCULAR GREEN	Y	= CIRCULAR YELLOW	R	= CIRCULAR RED
←G	= LEFT GREEN ARROW	←Y	= LEFT YELLOW ARROW	←R	= LEFT RED ARROW
→G	= RIGHT GREEN ARROW	→Y	= RIGHT YELLOW ARROW	→R	= RIGHT RED ARROW
↑G	= VERT. GREEN ARROW	↑FY	= FLASHING YELLOW ARROW	WALK	= HAND/MAN
				DON'T WALK	= FLASHING HAD/COUNT DOWN TIMER
FLASH PLUG					
W	= DARK				
R	= FLASH RED				

SIGNAL OPERATIONS SPECIFICATIONS										DATE:	08/04/2021
TABLE OF SWITCH PACKS											
SIGNAL NUMBER		05-53-283			COUNTY	Erie	INTERSECTION		Rt 62 at Glenalby Rd/Romney Rd		
SWITCH PACK	FUNCTION (Φ# / OVLP)	FACE NUMBERS			FLASH PLUG	INDICATIONS	TERMINAL WIRING BOARD				
							TERMINAL	WIRE COLOR CODE PER FACE			
SP 1	Φ1	1			R	←R	SP 1R	14/7C-1-R			
						←Y	SP 1Y	14/7C-1-Y			
						←G	SP 1G	14/7C-1-G			
						GND. BAR	GND. BUS	14/7C-1-W			
SP 2	Φ2	6	7	8	R	R	SP 2R	14/5C-6-R	14/5C-7-R	14/5C-8-R	
						Y	SP 2Y	14/5C-6-Y	14/5C-7-Y	14/5C-8-Y	
						G	SP 2G	14/5C-6-G	14/5C-7-G	14/5C-8-G	
						GND. WIRE	GND. BUS	14/5C-6-W	14/5C-7-W	14/5C-8-W	
SP 3	OvLap 3 FYA	9			R	←R	SP 3R	14/7C-9-R			
						←Y	SP 3Y	14/7C-9-Y			
						SP 3G	1 kOhm, 20 Watt Resistor				
						GND. WIRE	GND. BUS	14/7C-9-W			
SP 4	Φ4	12	13		R	R	SP 4R	14/5C-12-R	14/5C-13-R		
						Y	SP 4Y	14/5C-12-Y	14/5C-13-Y		
						G	SP 4G	14/5C-12-G	14/5C-13-G		
						GND. WIRE	GND. BUS	14/5C-12-W	14/5C-13-W		
SP 5	Φ5	5			R	←R	SP 5R	14/7C-5-R			
						←Y	SP 5Y	14/7C-5-Y			
						←G	SP 5G	14/7C-5-G			
						GND. WIRE	GND. BUS	14/7C-5-W			
SP 6	Φ6	2	3	4	R	R	SP 6R	14/5C-2-R	14/5C-3-R	14/5C-4-R	
						Y	SP 6Y	14/5C-2-Y	14/5C-3-Y	14/5C-4-Y	
						G	SP 6G	14/5C-2-G	14/5C-3-G	14/5C-4-G	
						GND. WIRE	GND. BUS	14/5C-2-W	14/5C-3-W	14/5C-4-W	
SP 7						SP 7R					
						SP 7Y					
						SP 7G					
						GND. WIRE	GND. BUS				
SP 8	Φ8	10	11		R	R	SP 8R	14/5C-10-R	14/5C-11-R		
						Y	SP 8Y	14/5C-10-Y	14/5C-11-Y		
						G	SP 8G	14/5C-10-G	14/5C-11-G		
						GND. WIRE	GND. BUS	14/5C-10-W	14/5C-11-W		
SP 9						SP 9R					
						SP 9Y					
						SP 9G					
						GND. WIRE	GND. BUS				
SP 10						SP 10R					
						SP 10Y					
						SP 10G					
						GND. WIRE	GND. BUS				
SP 11						SP 11R					
						SP 11Y					
						SP 11G					
						GND. WIRE	GND. BUS				
SP 12						SP 12R					
						SP 12Y					
						SP 12G					
						GND. WIRE	GND. BUS				
SP 13	Φ2 Ped	W2.1	W2.2		W	DON'T WALK	SP 13R	14/5C-W2.1-R	14/5C-W2.2-R		
						SP 13Y					
						WALK	SP 13G	14/5C-W2.1-G	14/5C-W2.2-G		
						GND. WIRE	GND. BUS	14/5C-W2.1-W	14/5C-W2.2-W		
SP 14	Φ4 Ped w/FYA Output	W4.1	W4.2		W	DON'T WALK	SP 14R	14/5C-W4.1-R	14/5C-W4.2-R		
						←FY	SP 14Y	14/7C-9-BL			
						WALK	SP 14G	14/5C-W4.1-G	14/5C-W4.2-G		
						GND. WIRE	GND. BUS	14/5C-W4.1-W	14/5C-W4.2-W		
SP 15	Φ6 Ped	W6.1	W6.2		W	DON'T WALK	SP 15R	14/5C-W6.1-R	14/5C-W6.2-R		
						SP 15Y					
						WALK	SP 15G	14/5C-W6.1-G	14/5C-W6.2-G		
						GND. WIRE	GND. BUS	14/5C-W6.1-W	14/5C-W6.2-W		
SP 16	Φ8 Ped	W8.1	W8.2		W	DON'T WALK	SP 16R	14/5C-W8.1-R	14/5C-W8.2-R		
						SP 16Y					
						WALK	SP 16G	14/5C-W8.1-G	14/5C-W8.2-G		
						GND. WIRE	GND. BUS	14/5C-W8.1-W	14/5C-W8.2-W		

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45ALTERED BY:
ON:AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE REGION: 05PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS



ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

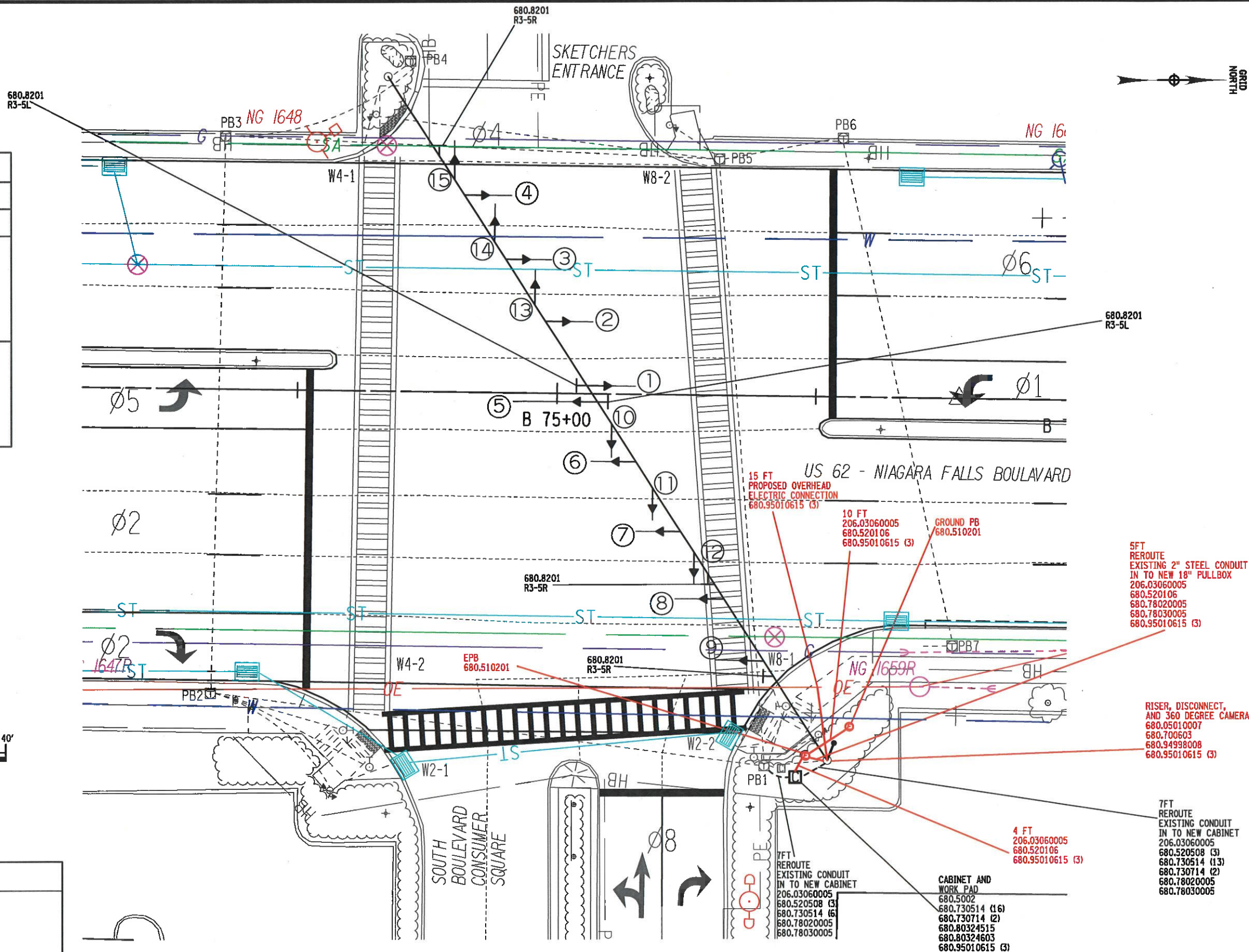
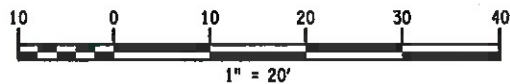
TRAFFIC SIGNAL PLAN
SIGNAL 283 (ERIE)
NIAGARA FALLS BLVD AT
ROMNEY RD & GLENALBY RDCONTRACT NUMBER
D264643DRAWING NO. TSP-04-04
SHEET NO. 48Department of
Transportation

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FILE NAME = 581437.CPL TSP 05.01 SIGNAL 554P.dgn
DATE/TIME = 30-AUG-2021 11:45
USER = pgladen

DESIGN SUPERVISOR SANJAY SINGH
JOB MANAGER JOHN WENTZ
DESIGN PHILIP GLADWIN
CHECK BRIAN DANKERT
DRAFTING PHILIP GLADWIN
CHECK BRIAN DANKERT
PROJECT MANAGER SANJAY SINGH

SIGN FACE DATA TABLE		
ITEM	DESCRIPTION	QTY
680.8201	OVERHEAD SIGN ASSEMBLY, TYPE A	5
SIZE 30" X 36"	 R3-SL	2 EA
SIZE 30" X 36"	 R3-SR	3 EA



AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:45

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE REGION: 05

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 554P (ERIE)
NIAGARA FALLS BLVD AT
BOULEVARD CONSUMER SQR & SKETCHERS

CONTRACT NUMBER
D264643

DRAWING NO. TSP-05-01
SHEET NO. 49

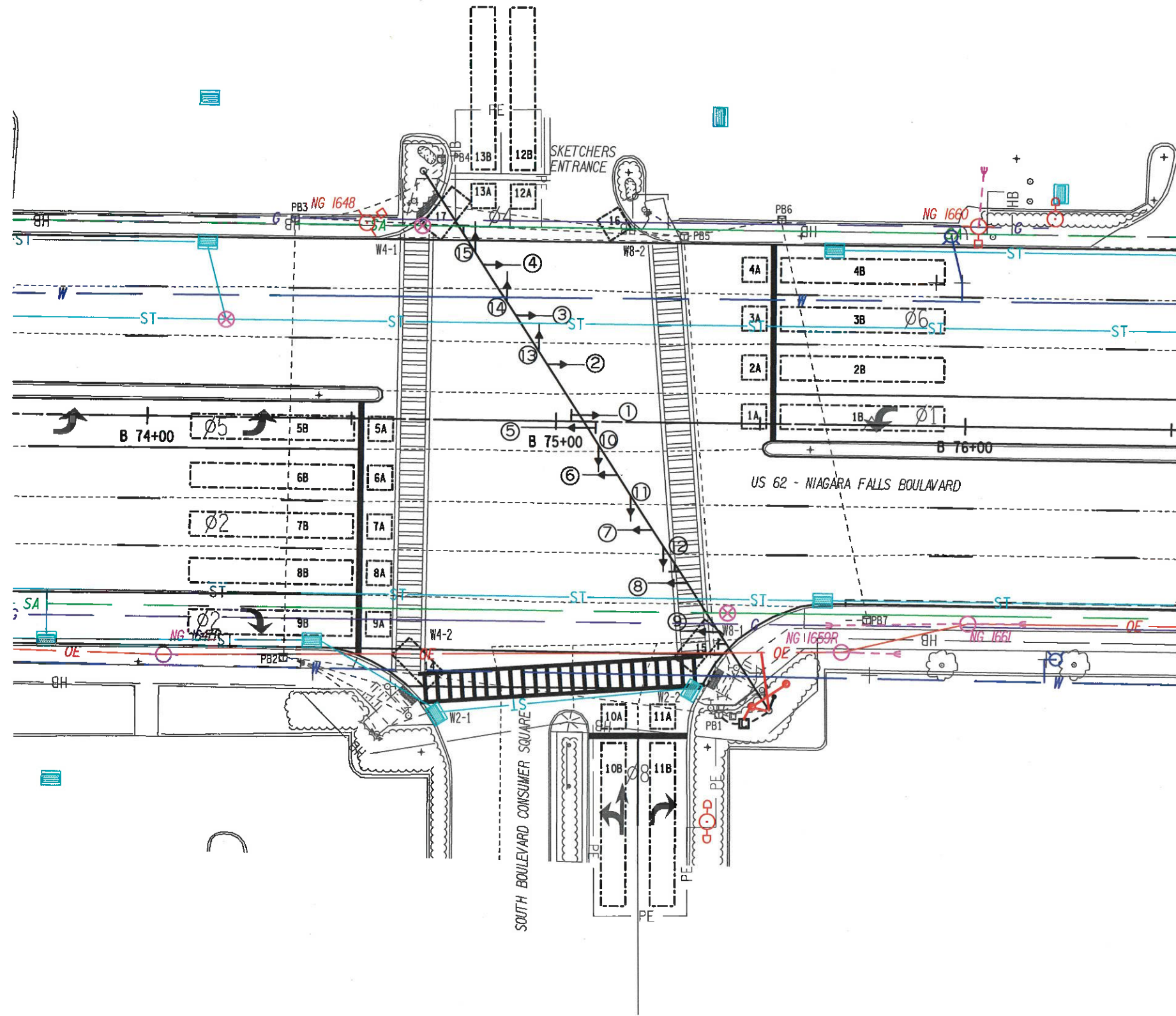
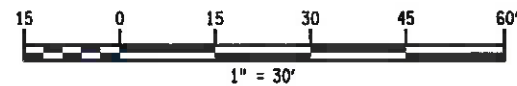
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



Department of
Transportation

FILE NAME = 581437.CPH.TSP.05.02.SIGNAL.554P.dgn
DATE/TIME = 30-AUG-2021 11:46
USER = pgladen

DESIGN SUPERVISOR SANJAY SINGH
JOB MANAGER JOHN WENTZ
DESIGN PHILIP GLADWIN
CHECK BRIAN DANKERT
DRAFTING PHILIP GLADWIN
CHECK BRIAN DANKERT
PROJECT MANAGER SANJAY SINGH



AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:46

ALTERED BY:
ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 62 (NIAGARA FALLS BLVD) FROM NY ROUTE 324 (SHERIDAN DR) TO GREEN ACRES RD TOWNS OF AMHERST & TONAWANDA COUNTY: ERIE	PIN 5814.37 US RT 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED TRAFFIC SIGNAL PLAN SIGNAL 554P (ERIE) NIAGARA FALLS BLVD AT BOULEVARD CONSUMER SQR & SKETCHERS	CONTRACT NUMBER D264643
						DRAWING NO. TSP-05-02 SHEET NO. 50

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

Department of Transportation

NYS DOT TRAFFIC SIGNAL #554P (ERIE)
NIAGARA FALLS BLVD AT BLVD CONSUMER SQR & PIER 1 IMPORTS

0503 554P

QUANTITY AND ITEM LIST			
SIGNAL 554P (ERIE) - NIAGARA FALLS BLVD AT CONSUMER SQUARE AND PIER 1 IMPORTS			
ITEM NUMBER	ITEM NAME	UNITS	QTY
206.03060005	CONDUIT EXCAV & BACKFILL (NOT IN ROADWAY)	FT	33
619.1611	MAINTAIN TRAFFIC SIGNAL EQUIP (REQ A)	IN MO	12
662.60000208	FURNISHING ELECTRICAL SERVICE	DC	2500
680.05010007	360 DEGREE CAMERA VIDEO DETECTION SYSTEM	EA	1
680.5002	CONCRETE BASE FOR CONTROLLER CABINET	EA	1
680.510201	PULLBOX-CIRCULAR, 18" IN DIA., REINFORCED CONCRETE	EA	2
680.520106	CONDUIT, STEEL, ZINC COATED, 2 NPS	FT	19
680.520508	CONDUIT, RIGID PLASTIC, CLASS 1, 3 NPS	FT	42
680.7001	SINGLE SPAN WIRE ASSEMBLY	EA	1
680.700603	RISER ASSEMBLY, 1" DIA	EA	1
680.730514	SIGNAL CABLE, 5 CONDUCTOR, 14 AWG	FT	1869
680.730714	SIGNAL CABLE, 7 CONDUCTOR, 14 AWG	FT	272
680.77000205	MODIFY TRAFFIC SIGNAL INSTALLATION, LOCATION 2	ELOC	1
680.78020005	ALTER CONDUIT GROUP FOR PULLBOX	EA	3
680.78030005	CUT AND PREPARE EXISTING CONDUIT GROUP	EA	3
680.80324515	INSTALL MICROCOMPUTER CABINET	EA	1
680.80324603	MICROCOMPUTER CABINET BASE (ALUMINUM)	EA	1
680.810101	SIGNAL MODULE - 12 IN, RED BALL LED	EA	13
680.810102	SIGNAL MODULE - 12 IN, RED ARROW LED	EA	2
680.810103	SIGNAL MODULE - 12 IN, YELLOW BALL LED	EA	13
680.810104	SIGNAL MODULE - 12 IN, YELLOW ARROW LED	EA	2
680.810105	SIGNAL MODULE - 12 IN, GREEN BALL LED	EA	13
680.810106	SIGNAL MODULE - 12 IN, GREEN ARROW LED	EA	2
680.810601	SIGNAL SECTION, POLYCARBONATE, TYPE 1, 12"	EA	45
680.8111	TRAFFIC SIGNAL BRACKET ASSEMBLY - 1 WAY	EA	15
680.8201	OVERHEAD SIGN ASSEMBLY, TYPE A	EA	5
680.94998008	INSTALL ELECT DISC GEN TRANSFER SWITCH - STATE SUPPLIED	EA	1
680.95010615	SERVICE CABLE, 1 CONDUCTOR, 8 AWG	FT	246

1.) ITEM 680.77000205, "MODIFY TRAFFIC SIGNAL INSTALLATION, LOCATION 2" SHALL INCLUDE: A) THE REQUIRED MODIFICATIONS TO THE EXISTING WIRING WITHIN THE SIGNAL CABINETS TO MATCH THE PROPOSED INPUT WIRING AND SWITCHPACKS FOUND IN THE PLANS, B) MODIFICATION OF EXISTING CONDUIT FROM ORIGINAL CABINET TO BE RUN IN TO NEW CABINET OR PROPOSED ELECTRIC PULLBOX, C) PULLING WIRE FROM ORIGINAL CABINET TO NEAREST PULLBOX AND THEN RE-RUNNING IT TO NEW CABINET, AND D) REMOVAL OF ORIGINAL CABINET.

2.) EXISTING PULLBOX LOCATIONS ON PLANS ARE SHOWN BASED ON RECORD PLANS. ACTUAL FIELD LOCATIONS MAY VARY. CONDUIT ORIENTATION SHOWN MAY DIFFER FROM REQUIRED ORIENTATION. FIELD VERIFY BEFORE CONDUIT INSTALLATION.

3.) DISTANCES ARE APPROXIMATE. SIGNAL HEADS AND SIGNS MAY BE ADJUSTED IN THE FIELD WITH APPROVAL OF EIC.

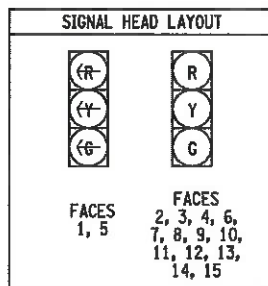
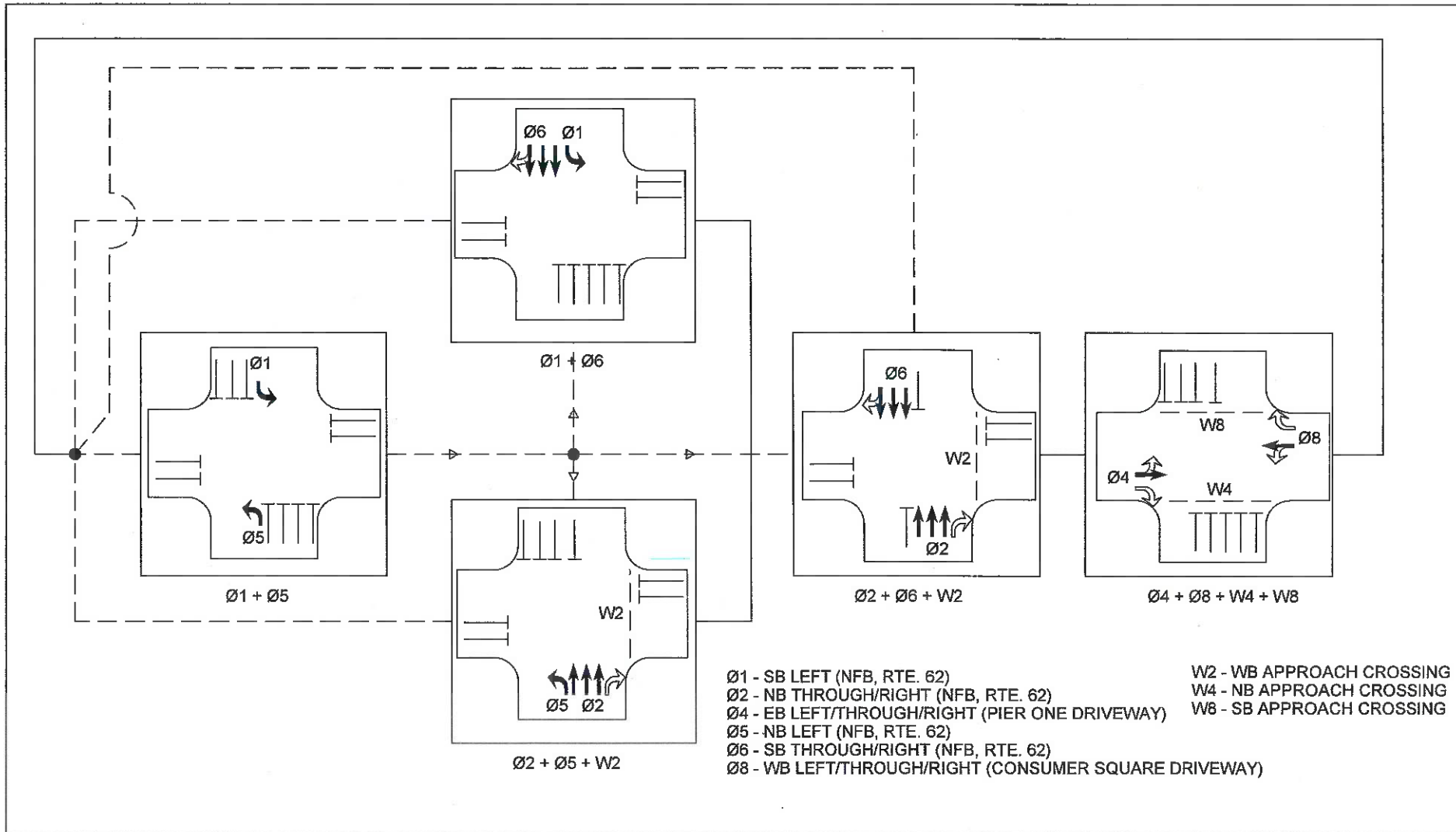
4.) DISCONNECT/TRANSFER SWITCH SHALL BE INSTALLED AS PER STANDARD SHEET 680-05.

5.) NOTIFY DIG SAFELY - NEW YORK AT (800) 962-7962 PRIOR TO ANY EXCAVATION.

6.) FOR ELECTRIC SERVICE CONNECTIONS, CALL NATIONAL GRID AT (800) 642-4272.

7.) SIGNAL HEADS 1, 2, 3, 4, 5, 6, 7, 8, 9, 12 AND 15 TO BE CENTERED OVER LANE. SIGNAL HEADS 10, 11, 13, AND 14 TO BE CENTERED 8 FEET APART OVER CENTER OF LANE.

8.) POWER SUPPLIER AND METER NUMBER TO BE RECORDED AT CONSTRUCTION PHASE.



KEY
R - RED BALL
Y - YELLOW BALL
G - GREEN BALL
←R- RED ARROW
←Y- YELLOW ARROW
←G- GREEN ARROW

SIGNAL HEAD DATA TABLE								
FACE	ITEM	680.810101	680.810102	680.810103	680.810104	680.810105	680.810106	680.810601
1			1		1		1	3
2		1		1		1		3
3		1		1		1		3
4		1		1		1		3
5			1		1		1	3
6		1		1		1		3
7		1		1		1		3
8		1		1		1		3
9		1		1		1		3
10		1		1		1		3
11		1		1		1		3
12		1		1		1		3
13		1		1		1		3
14		1		1		1		3
15		1		1		1		3
TOTALS		13 EA	2 EA	13 EA	2 EA	13 EA	2 EA	45 EA

TRAFFIC SIGNAL #554P - NIAGARA FALLS BLVD AT CONSUMER SQUARE AND PIER 1 IMPORTS			
POWER SUPPLIER:		NEW METER #:	
EXISTING METER #:		NEW ACCOUNT #:	
EXISTING ACCOUNT #:		BILLING TO:	

AFFIX SEAL: RENJIT P. JAMES, P.E. ON: 30-AUG-2021 11:46	ALTERED BY: ON:

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 62 (NIAGARA FALLS BLVD) FROM NY ROUTE 324 (SHERIDAN DR) TO GREEN ACRES RD TOWNS OF AMHERST & TONAWANDA COUNTY: ERIE	PI# 5814.37 US RT 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED TRAFFIC SIGNAL PLAN SIGNAL 554P (ERIE) NIAGARA FALLS BLVD AT BOULEVARD CONSUMER SQR & PIER 1 IMPORTS	CONTRACT NUMBER D264643 DRAWING NO. TSP-05-03 SHEET NO. 51
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						

PROJECT MANAGER SANJAY SINGH

CHECK BRIAN DANKERT

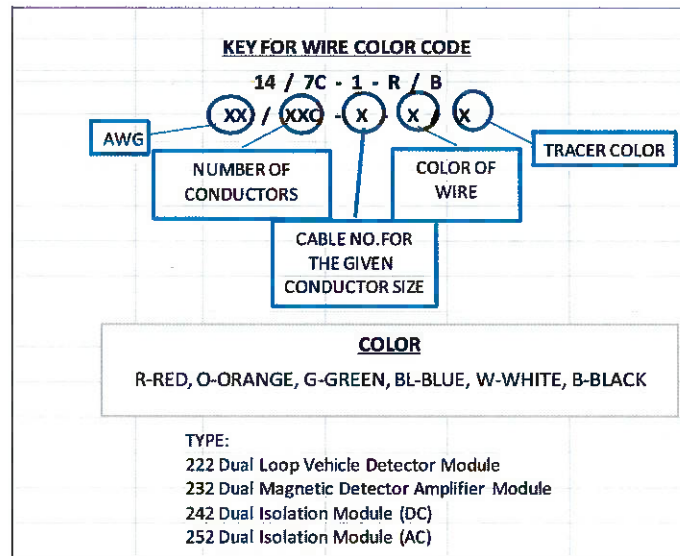
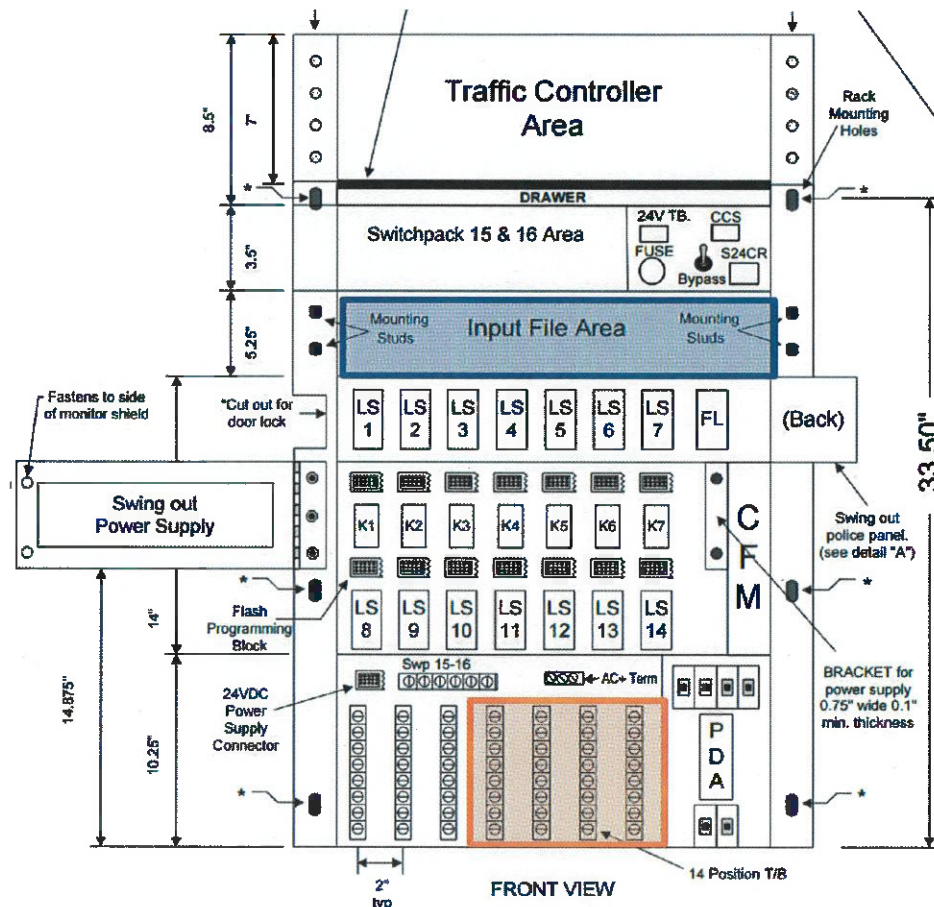
DRAFTING PHILIP GLADWIN

CHECK BRIAN DANKERT

DESIGN PHILIP GLADWIN

JOB MANAGER JOHN WENTZ

DESIGN SUPERVISOR SANJAY SINGH



SIGNAL OPERATIONS SPECIFICATIONS										DATE:		08/27/2021	
TABLE OF INPUT WIRING													
SIGNAL NUMBER		05-53-554P		COUNTY		Erie		INTERSECTION		Rt 62 and Blvd Consumer Square			
INPUT FILE AREA		FUNCTION		DETECTOR LOCATION ID				TERMINAL WIRING BOARD					
SLOT	TYPE	(Φ#/PED #)	DESCRIPTION	(PER PLAN)				TERMINAL	WIRE COLOR CODE				
1 - TOP	Video Card	Video Card	360 Degree Camera					1A	AS PER SUPPLIER				
1 - BOTTOM								1B	AS PER SUPPLIER				
2 - TOP								2A					
2 - BOTTOM								2B					
3 - TOP								3A					
3 - BOTTOM								3B					
4 - TOP								4A					
4 - BOTTOM								4B					
5 - TOP								5A					
5 - BOTTOM								5B					
6 - TOP								6A					
6 - BOTTOM								6B					
7 - TOP								7A					
7 - BOTTOM								7B					
8 - TOP								8A					
8 - BOTTOM								8B					
9 - TOP								9A					
9 - BOTTOM								9B					
10 - TOP								10A					
10 - BOTTOM								10B					
11 - TOP								11A					
11 - BOTTOM								11B					
12 - TOP								12A					
12 - BOTTOM								12B					
13 - TOP								13A					
13 - BOTTOM								13B					
14 - TOP								14A					
14 - BOTTOM								14B					
15 - TOP								15A					
15 - BOTTOM								15B					
16 - TOP								16A					
16 - BOTTOM								16B					
17 - TOP								17A					
17 - BOTTOM								17B					
18 - TOP								18A					
18 - BOTTOM								18B					
19 - TOP								19A					
19 - BOTTOM								19B					
20 - TOP								20A					
20 - BOTTOM								20B					
21 - TOP								21A					
21 - BOTTOM								21B					
22 - TOP								22A					
22 - BOTTOM								22B					
23 - TOP								23A					
23 - BOTTOM								23B					
24 - TOP								24A					
24 - BOTTOM								24B					
25 - TOP	242	Φ2 Ped	Crossing Consumer Square	W2.1	W2.2			25A	14/5C-W2.1-O	14/5C-W2.2-O			
25 - BOTTOM									25B	14/5C-W2.1-B	14/5C-W2.2-B		
26 - TOP		Φ4 Ped	Crossing Nb Rt 62	W4.1	W4.2			26A	14/5C-W4.1-O	14/5C-W4.2-O			
26 - BOTTOM									26B	14/5C-W4.1-B	14/5C-W4.2-B		
27 - TOP	242							27A					
27 - BOTTOM									27B				
28 - TOP		Φ8 Ped	Crossing Rt 62	W8.1	W8.2			28A	14/5C-W8.1-O	14/5C-W8.2-O			
28 - BOTTOM									28B	14/5C-W8.1-B	14/5C-W8.2-B		

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:46

ALTERED BY:
ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE REGION: 05

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN ft UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 554P (ERIE)
NIAGARA FALLS BLVD AT
BOULEVARD CONSUMER SQ & PIER 1 IMPORTS

CONTRACT NUMBER
D264643

DRAWING NO. TSP-05-04
SHEET NO. 52

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

FILE NAME = 581437_CPH_TSP_05_05_SIGNAL_554P.dgn
DATE/TIME = 30-AUG-2021 11:46
USER = pgladwin

PROJECT MANAGER SANJAY SINGH

CHECK BRIAN DANKERT

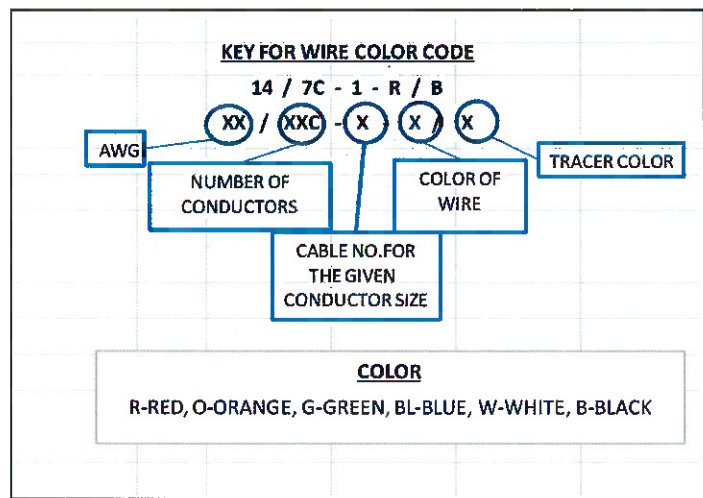
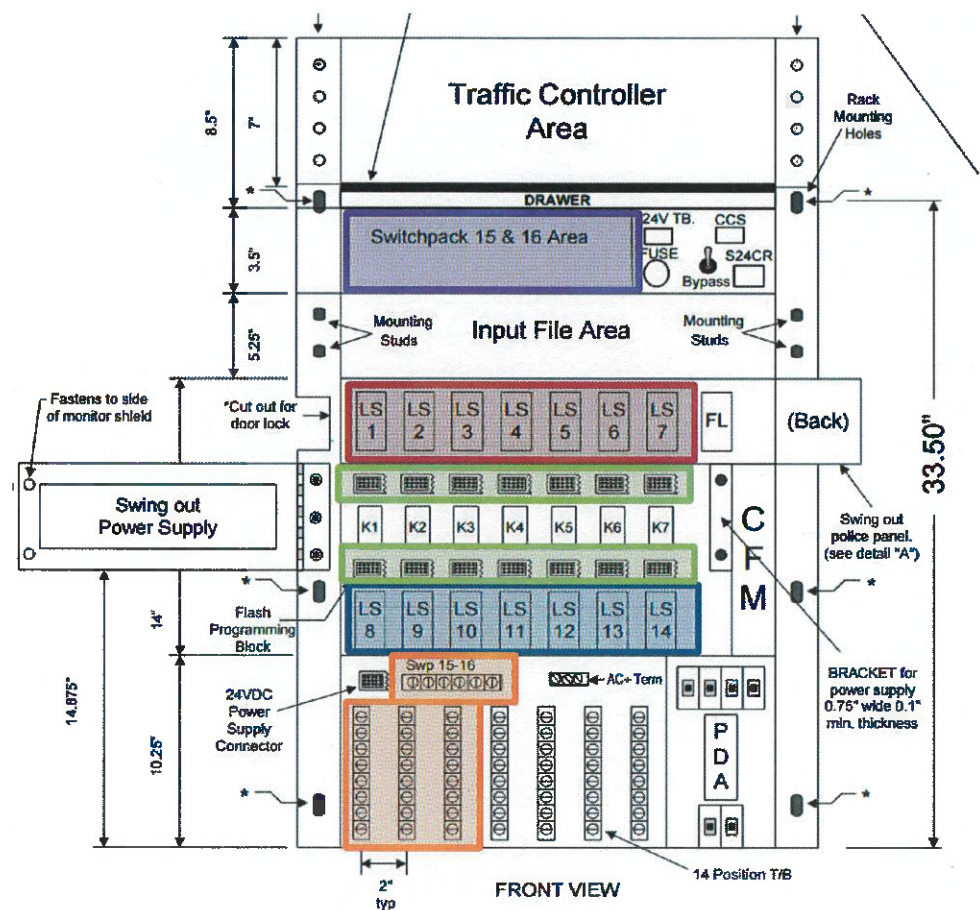
DRAFTING PHILIP GLADWIN

CHECK BRIAN DANKERT







DESIGN PHILIP GLADWIN

JOB MANAGER JOHN WENTZ

DESIGN SUPERVISOR SANJAY SINGH



LEGEND					
INDICATIONS					
G	= CIRCULAR GREEN	Y	= CIRCULAR YELLOW	R	= CIRCULAR RED
←G	= LEFT GREEN ARROW	←Y	= LEFT YELLOW ARROW	←R	= LEFT RED ARROW
→G	= RIGHT GREEN ARROW	→Y	= RIGHT YELLOW ARROW	→R	= RIGHT RED ARROW
↑G	= VERT. GREEN ARROW	↑Y	= FLASHING YELLOW ARROW	WALK	= HAND/MAN
				DON'T WALK	= FLASHING HAD/COUNT DOWN TIMER
FLASH PLUG					
W	= DARK				
R	= FLASH RED				

SIGNAL OPERATIONS SPECIFICATIONS										DATE:		08/27/2021	
TABLE OF SWITCH PACKS													
SIGNAL NUMBER		05-53-554P				COUNTY	Erie	INTERSECTION		Rt 62 and Blvd Consumer Square			
SWITCH PACK	FUNCTION (Φ#/OVLP)	FACE NUMBERS				FLASH PLUG	INDICATIONS	TERMINAL WIRING BOARD					
								TERMINAL	WIRE COLOR CODE PER FACE				
SP 1	Φ1	1				R		SP 1R	14/7C-1-R				
								SP 1Y	14/7C-1-Y				
								SP 1G	14/7C-1-G				
							GND. BAR	GND. BUS	14/7C-1-W				
SP 2	Φ2	6	7	8	9	R	R	SP 2R	14/5C-6-R	14/5C-7-R	14/5C-8-R	14/5C-9-R	
							Y	SP 2Y	14/5C-6-Y	14/5C-7-Y	14/5C-8-Y	14/5C-9-Y	
							G	SP 2G	14/5C-6-G	14/5C-7-G	14/5C-8-G	14/5C-9-G	
							GND. WIRE	GND. BUS	14/5C-6-W	14/5C-7-W	14/5C-8-W	14/5C-9-W	
SP 3								SP 3R					
								SP 3Y					
								SP 3G					
							GND. WIRE	GND. BUS					
SP 4	Φ4	13	14	15		R	R	SP 4R	14/5C-13-R	14/5C-14-R	14/5C-15-R		
							Y	SP 4Y	14/5C-13-Y	14/5C-14-Y	14/5C-15-Y		
							G	SP 4G	14/5C-13-G	14/5C-14-G	14/5C-15-G		
							GND. WIRE	GND. BUS	14/5C-13-W	14/5C-14-W	14/5C-15-W		
SP 5	Φ5	5				R		SP 5R	14/7C-5-R				
								SP 5Y	14/7C-5-Y				
								SP 5G	14/7C-5-G				
							GND. WIRE	GND. BUS	14/7C-5-W				
SP 6	Φ6	2	3	4		R	R	SP 6R	14/5C-2-R	14/5C-3-R	14/5C-4-R		
							Y	SP 6Y	14/5C-2-Y	14/5C-3-Y	14/5C-4-Y		
							G	SP 6G	14/5C-2-G	14/5C-3-G	14/5C-4-G		
							GND. WIRE	GND. BUS	14/5C-2-W	14/5C-3-W	14/5C-4-W		
SP 7								SP 7R					
								SP 7Y					
								SP 7G					
							GND. WIRE	GND. BUS					
SP 8	Φ8	10	11	12		R	R	SP 8R	14/5C-10-R	14/5C-11-R	14/5C-12-R		
							Y	SP 8Y	14/5C-10-Y	14/5C-11-Y	14/5C-12-Y		
							G	SP 8G	14/5C-10-G	14/5C-11-G	14/5C-12-G		
							GND. WIRE	GND. BUS	14/5C-10-W	14/5C-11-W	14/5C-12-W		
SP 9								SP 9R					
								SP 9Y					
								SP 9G					
							GND. WIRE	GND. BUS					
SP 10								SP 10R					
								SP 10Y					
								SP 10G					
							GND. WIRE	GND. BUS					
SP 11								SP 11R					
								SP 11Y					
								SP 11G					
							GND. WIRE	GND. BUS					
SP 12								SP 12R					
								SP 12Y					
								SP 12G					
							GND. WIRE	GND. BUS					
SP 13	Φ2 Ped	W2.1	W2.2			W	DON'T WALK	SP 13R	14/5C-W2.1-R	14/5C-W2.2-R			
								SP 13Y					
							WALK	SP 13G	14/5C-W2.1-G	14/5C-W2.2-G			
							GND. WIRE	GND. BUS	14/5C-W2.1-W	14/5C-W2.2-W			
SP 14	Φ4 Ped	W4.1	W4.2			W	DON'T WALK	SP 14R	14/5C-W4.1-R	14/5C-W4.2-R			
								SP 14Y					
							WALK	SP 14G	14/5C-W4.1-G	14/5C-W4.2-G			
							GND. WIRE	GND. BUS	14/5C-W4.1-W	14/5C-W4.2-W			
SP 15								SP 15R					
								SP 15Y					
								SP 15G					
							GND. WIRE	GND. BUS					
SP 16	Φ8 Ped	W8.1	W8.2			W	DON'T WALK	SP 16R	14/5C-W8.1-R	14/5C-W8.2-R			
								SP 16Y					
							WALK	SP 16G	14/5C-W8.1-G	14/5C-W8.2-G			
							GND. WIRE	GND. BUS	14/5C-W8.1-W	14/5C-W8.2-W			

AFFIX SEAL: RENJIT P. JAMES, P.E.
ON: 30-AUG-2021 11:46

ALTERED BY:
ON:



AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

US ROUTE 62 (NIAGARA FALLS BLVD)
FROM NY ROUTE 324 (SHERIDAN DR)
TO GREEN ACRES RD
TOWNS OF AMHERST & TONAWANDA
COUNTY: ERIE

PIN 5814.37
US RT 62
UTILITY QUALITY LEVEL D

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

TRAFFIC SIGNAL PLAN
SIGNAL 554P (ERIE)
NIAGARA FALLS BLVD AT
BOULEVARD CONSUMER SQR & PIER 1 IMPORTS

CONTRACT NUMBER
D264643

DRAWING NO. TSP-05-05
SHEET NO. 53

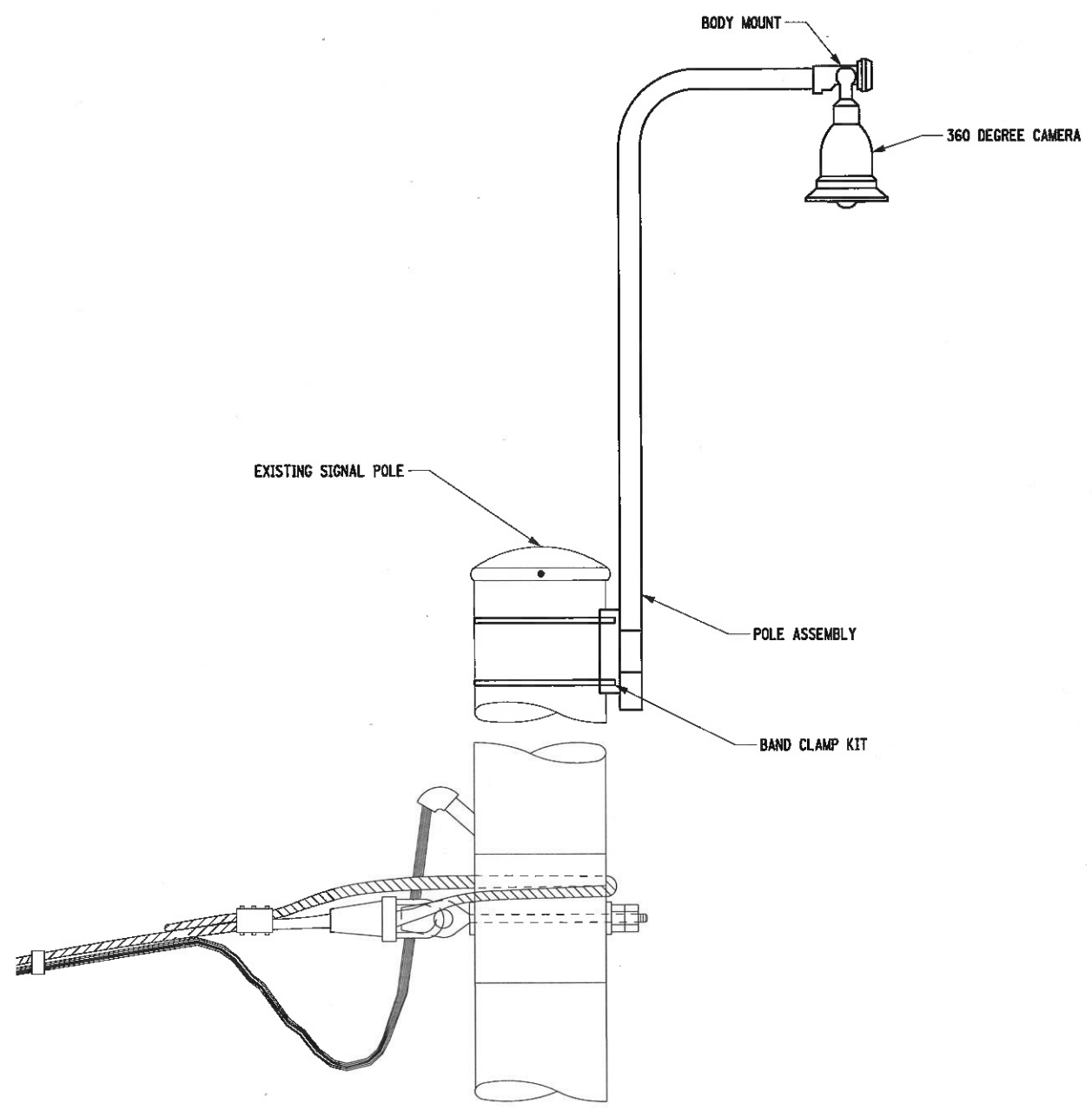
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



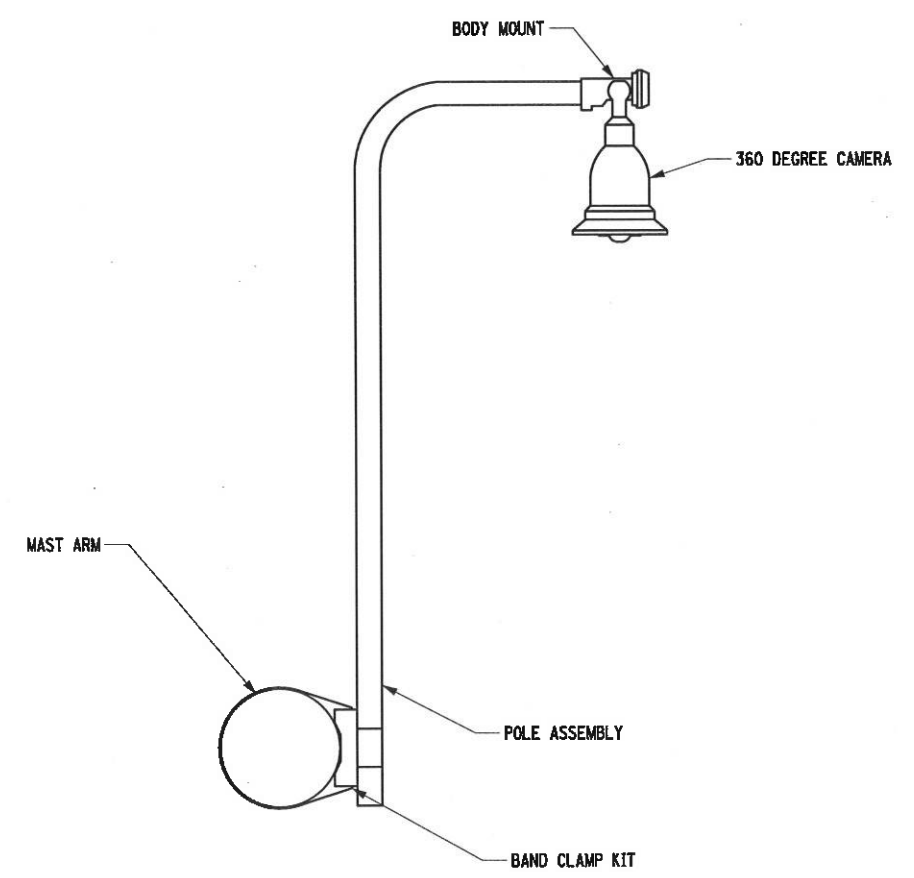
Department of
Transportation

FILE NAME = 581437.CPL DET Video Detection Camera Detail (Span Wire).dgn
DATE/TIME = 30-AUG-2021 11:46
USER = pgladen

DESIGN SUPERVISOR SANJAY SINGH JOB MANAGER JOHN WENTZ DESIGN PHILIP GLADWIN CHECK BRIAN DANKERT DRAFTING PHILIP GLADWIN CHECK BRIAN DANKERT PROJECT MANAGER SANJAY SINGH




VIDEO DETECTION CAMERA DETAIL
MOUNTED ON A SPAN POLE
NOT TO SCALE



VIDEO DETECTION CAMERA DETAIL
MOUNTED ON A MAST ARM
NOT TO SCALE

- NOTES:
1. ALL MOUNTING HARDWARE SHALL BE PROVIDED BY THE MANUFACTURER AND BE INCLUDED IN THE PRICE OF THE 360 DEGREE VIDEO DETECTION SYSTEM.
 2. ALL EQUIPMENT SHALL MEET THE CONTRACT SPECIFICATION. STYLE OF CAMERA AND HARDWARE MAY VARY BY MANUFACTURER.

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	US ROUTE 62 (NIAGARA FALLS BLVD)	PIN 5814.37 US RT 62 UTILITY QUALITY LEVEL D	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED DETECTOR CAMERA DETAIL	CONTRACT NUMBER D264643
	FROM NY ROUTE 324 (SHERIDAN DR)					
	TO GREEN ACRES RD					DRAWING NO. TSP-DET-01 SHEET NO. 54
	TOWNS OF AMHERST & TONAWANDA					
	COUNTY: ERIE	REGION: 05				
						 Department of Transportation

FILE NAME = 581437_cph.lcd.env_not.dgn
DATE/TIME = 02-SEP-2021 09:19
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK ALISIA B. VILONEN

DRAFTING PETER J. PASNIK

CHECK ALISIA B. VILONEN

PROJECT MANAGER S. SINGH

MIGRATORY BIRD PROTECTION AND AVOIDANCE

1. UNDER THE MIGRATORY BIRD TREATY ACT, (MBTA) IT IS UNLAWFUL BY ANY MEANS OR MANNER, TO INTENTIONALLY OR UNINTENTIONALLY TAKE, CAPTURE OR KILL ANY MIGRATORY BIRD, UNLESS A FEDERAL PERMIT IS FIRST SECURED.
2. PROTECTED MIGRATORY BIRDS INCLUDE ALL WATERFOWL, HERONS, HAWKS, OWLS, EAGLES AND SONGBIRDS, INCLUDING SWALLOWS AND EASTERN PHOEBES. THEIR FEATHERS, NESTS, AND EGGS ARE ALSO PROTECTED UNDER THE MBTA.
3. EXEMPT, OR NOT AFFORDED PROTECTION UNDER THE MBTA, ARE ROCK DOVES (DOMESTIC PIGEONS), HOUSE SPARROWS (ENGLISH SPARROWS), EUROPEAN STARLINGS, AND MONK PARAKEETS. ALTHOUGH THESE SPECIES ARE NOT PROTECTED UNDER THE ACT, THEY SHOULD STILL BE TREATED AS HUMANELY AS POSSIBLE. THE CONTRACTOR SHALL NOTIFY THE EIC AND THE EIC WILL ALERT THE CONSTRUCTION ENVIRONMENTAL COORDINATOR (CEC), WHEN ACTIVE NESTS OF THE ABOVE SPECIES ARE FOUND. THE EIC AND THE CEC WILL EVALUATE THE POTENTIAL FOR REMOVING THE YOUNG FROM THE NEST TO BE RAISED BY A WILDLIFE REHABILITATOR.
4. BRIDGE CLEANING AND/OR REPAIR, BRIDGE REPLACEMENT: BRIDGES SCHEDULED FOR CLEANING, REPAIR OR REPLACEMENT SHALL BE INSPECTED BY THE DOT FOR BIRD NESTING ACTIVITY PRIOR TO COMMENCING ANY CONTRACT RELATED ACTIVITY. IDEALLY THIS WOULD INVOLVE A SCREENING OF ALL POTENTIAL BRIDGE LOCATIONS FOR BIRD ACTIVITY AND BIRD NESTS BEFORE WORK OPERATIONS BEGIN.
5. CLEARING AND GRUBBING OPERATIONS: MIGRATORY BIRDS CAN ALSO BE FOUND IN TREES, BRUSH AND OPEN FIELDS. ALL AREAS OF CLEARING AND GRUBBING, STAGING AREAS OR OTHER AREAS OF POTENTIAL DISTURBANCE SHALL BE INSPECTED BY THE CONTRACTOR FOR BIRD NESTING ACTIVITY PRIOR TO COMMENCING ANY DISTURBANCE ACTIVITY. THE CONTRACTOR SHALL SCHEDULE WORK TO MINIMIZE THE POTENTIAL CONFLICT BETWEEN THIS FEDERAL LAW AND WORK OPERATIONS.
6. LOCATIONS THAT ARE IDENTIFIED AS CONTAINING OR HARBORING ACTIVE MIGRATORY BIRD NESTS SHALL BE EVALUATED FOR POTENTIAL IMPACTS OR ILLEGAL TAKING OF MIGRATORY BIRDS, NESTS OR EGGS. IF A NEST (OR NESTS) IS IDENTIFIED BY THE CONTRACTOR ON A BRIDGE BETWEEN APRIL 15 AND AUGUST 15 (POTENTIAL BREEDING SEASON), IT SHOULD BE OBSERVED FOR A PERIOD OF SEVERAL HOURS TO DETERMINE IF IT IS ACTIVE OR NOT. AN ACTIVE NEST DURING THE BREEDING SEASON IS INDICATED BY ADULT BIRDS CONSTRUCTING THE NEST, BIRDS COMING AND GOING FROM THE NEST, SOUNDS OF YOUNG IN THE NEST, OR BIRD SPECIES MATCHING THE BIRD NEST TYPE FLYING IN THE VICINITY OF THE NESTS. IF NONE OF THESE ACTIVITIES ARE OBSERVED, THEN THE NEST CAN BE ASSUMED INACTIVE AND CAN BE REMOVED AND MAINTENANCE/CONSTRUCTION ACTIVITIES CAN BEGIN.
7. IF THE NEST(S) IS DETERMINED TO BE ACTIVE, THE CONTRACTOR SHALL NOT DISTURB, DAMAGE OR REMOVE THE NEST UNTIL THE YOUNG ARE FLEDGED (LEAVE THE NEST). AFTER FLEDGING OCCURS, THE NESTS CAN BE REMOVED AND WORK CAN BEGIN. THIS SHOULD BE DONE AS QUICKLY AS POSSIBLE TO PREVENT BIRDS BEGINNING A SECOND NEST BROOD AT THE SAME LOCATION. THE CONTRACTOR SHALL AT NO TIME DESTROY THE NESTS OF HAWKS, FALCONS OR EAGLES, AS THESE SPECIES RETURN TO THE SAME NEST YEAR AFTER YEAR.
8. IF THERE ARE ANY QUESTIONS REGARDING HOW TO PROCEED WITH NESTING MIGRATORY BIRDS, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE EIC. THE EIC WILL ALERT THE CONSTRUCTION ENVIRONMENTAL COORDINATOR (CEC). AN ACTIVE NEST OR MIGRATORY BIRD CANNOT BE REMOVED, HARMED OR KILLED WITHOUT A FEDERAL PERMIT.

NORTHERN LONG EARED BAT (MYOTIS SEPTENTRIONALIS)
LISTED AS A FEDERALLY THREATENED SPECIES

1. THE NORTHERN LONG EARED BAT (NLEB) (MYOTIS SEPTENTRIONALIS) IS LISTED AS A FEDERALLY AND STATE THREATENED SPECIES STATEWIDE; THIS PROJECT IS NOT ANTICIPATED TO INVOLVE THE REMOVAL OF TREES GREATER THAN THREE (3) INCHES IN DIAMETER (DIAMETER AND BREAST HEIGHT (DBH)), IF PROJECT CONDITIONS CHANGE AND TREE REMOVALS ARE NECESSARY, WHETHER UNDER CLEARING AND GRUBBING OR TREE REMOVALS, THE ENGINEER MUST BE NOTIFIED PRIOR TO THE START OF ANY TREE REMOVAL. TREE REMOVALS WILL BE ALLOWED ONLY AFTER COORDINATION AND APPROVAL BY THE ENGINEER IN CONSULTATION WITH THE CONSTRUCTION ENVIRONMENTAL COORDINATOR.

SIGNS OF CONTAMINATION

1. IF, DURING EXCAVATION AT ANY LOCATION, SIGNS OF CONTAMINATION ARE ENCOUNTERED, THE CONTRACTOR SHALL IMMEDIATELY STOP WORK AND NOTIFY THE EIC. SIGNS OF CONTAMINATION INCLUDE, BUT ARE NOT LIMITED TO: ODOR, OILY SHEEN, SLUDGE, SOIL STAINING AND UNUSUAL FILL MATERIAL OR UNDERGROUND IMPEDIMENTS. THE EIC SHALL IMMEDIATELY NOTIFY THE CONSTRUCTION ENVIRONMENTAL COORDINATOR.

WATER QUALITY PROTECTION

1. THE CONTRACTOR SHALL PROTECT ALL WATER RESOURCES WITHIN THE CONTRACT LIMITS AND ON LANDS ADJACENT TO OR AFFECTED BY THE WORK.
2. REFER TO SECTION 107-12 OF NYSDOT STANDARD SPECIFICATIONS FOR CONTRACTOR WATER QUALITY PROTECTION RESPONSIBILITIES AND REQUIREMENTS.

SITE STABILIZATION


1. MINIMIZE EXPOSED SOILS WHEREVER POSSIBLE. THIS CAN BE ACCOMPLISHED THROUGH PROPER CONSTRUCTION SEQUENCING AND USE OF MULCH AND TEMPORARY SEEDING.
2. THE CONTRACTOR SHALL INITIATE STABILIZATION MEASURES AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED.
3. ALL STORM DRAINAGE OUTLETS SHALL BE STABILIZED BEFORE THE DISCHARGE POINTS BECOME OPERATIONAL.


SOIL EROSION AND SEDIMENT CONTROL

1. ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE PLACED PRIOR TO STARTING EARTHWORK OPERATIONS AND SHALL REMAIN IN PLACE UNTIL THE SOIL IS STABILIZED WITH SEEDING AND/OR MULCH.
2. THE LOCATIONS OF EROSION AND SEDIMENT CONTROL MEASURES, AS INDICATED ON THE PLANS MAY REQUIRE FIELD ADJUSTMENTS DEPENDING ON THE SEQUENCE OF CONSTRUCTION ACTIVITIES, CONSTRUCTION METHODS, AND/OR ACTUAL FIELD CONDITIONS. THE E.I.C SHALL BE NOTIFIED OF ANY SIGNIFICANT FIELD CHANGES TO THE EROSION AND SEDIMENT CONTROL MEASURES INDICATED IN THE PLAN.
3. REFER TO NYSDOT STANDARD SHEETS 209-1 THROUGH 209-7 FOR ADDITIONAL INFORMATION REGARDING THE APPLICATION, INSTALLATION AND INSPECTION REQUIREMENTS OF SOIL EROSION AND SEDIMENT CONTROL MEASURES.

INVASIVE SPECIES MANAGEMENT AT CONTRACTOR STAGING AREAS

1. THE CONTRACTOR SHALL TAKE ALL PRUDENT AND REASONABLE EFFORTS TO SELECT STAGING AREAS THAT ARE FREE FROM THE INFESTATION OF THE FOLLOWING INVASIVE PLANT SPECIES: PHRAGMITES (PHRAGMITES AUSTRALIS), JAPANESE KNOTWEED (POLYGONUM CUSPIDATUM), PURPLE LOOSESTRIPE (LYTHRUM SALICARIA) AND GIANT HOGWEED (HERACLEUM MANTEGAZIANUM).
2. IF INVASIVE PLANT SPECIES ARE IN CLOSE PROXIMITY TO STAGING OPERATIONS, THE CONTRACTOR SHOULD TAKE THE NECESSARY STEPS TO ASSURE THAT NO INVASIVE SPECIES PLANT PARTS COME IN CONTACT WITH CONSTRUCTION VEHICLES, EQUIPMENT AND MATERIALS.
3. IF CONTACT IS UNAVOIDABLE, AS PER SECTION 107-01C INVASIVE SPECIES OF THE STANDARD SPECIFICATIONS, THE CONTRACTOR IS RESPONSIBLE FOR CLEANING THE INFECTED EQUIPMENT. THIS PROCEDURE IS REQUIRED IN ORDER TO MINIMIZE THE POSSIBILITY OF TRANSPORTING THE INVASIVE SPECIES OFF THE IMMEDIATE STAGING AREA AND ONTO STATE HIGHWAYS OR THE PROJECT SITE.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
		

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193				ENVIRONMENTAL LANDSCAPE NOTES	DRAWING NO. ENV - 01 SHEET NO. 55
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE REGION: 05					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						
						Department of Transportation

FILE NAME = 581437_cph.lcd.curb_rmp_not.dgn
DATE/TIME = 02-SEP-2021 09:19
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

DESIGN S. SADOWSKI

CHECK ALISIA B. VILONEN

DRAFTING PETER J. PASNIK

CHECK ALISIA B. VILONEN

PROJECT MANAGER S. SINGH

ITEM 608.01050605 - CURB RAMP

1. IN AREAS WHERE EXISTING CURB RAMPS ARE BEING MODIFIED, REPLACED OR NEW CURB RAMPS ARE BEING INSTALLED THE FOLLOWING RAMP COMPONENTS SHALL BE PAID FOR UNDER 608.0105XX05:
- CURB RAMP
DETECTABLE WARNING SURFACE
TURNING SPACE
CLEAR SPACE
SIDE FLARES
CURB/GUTTER INSTALLATION OR REPLACEMENT (WITHIN THE FOOTPRINT OF THE RAMP)
TRANSITION PANEL(S), SEE NOTE 6 BELOW.
2. FOR TYPICAL CURB RAMP PAY LIMITS SEE CURB RAMP DETAIL ON CRD-1.
3. RAMP TYPE NUMBERING CORRELATES TO THE STANDARD SHEET RAMP NUMBERS ON STANDARD SHEETS 608-01. SOME RAMPS IN THIS PROJECT ARE MODIFICATIONS OF THE RAMPS SHOWN ON THE STANDARD SHEETS. MODIFIED RAMPS INCLUDE A LETTER AFTER THE NUMBER.
4. CURB RAMP DETECTABLE WARNING SURFACE (DWS) SHALL BE CAST IRON UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS.
5. AT VERY LARGE RADIUS INTERSECTIONS, THERE MAY BE LOCATIONS WHERE A SINGLE DETECTABLE WARNING SURFACE CANNOT BE PROPERLY INSTALLED AND BE LOCATED FIVE (5) FEET (MAXIMUM) FROM THE BACK EDGE OF THE EXISTING OR PROPOSED FLUSH CURB. IN THESE SITUATIONS, STACKING TWO (2) DETECTABLE WARNING UNITS WILL BE REQUIRED AND PAID FOR UNDER ITEM 608.0105XX05. SEE DETAIL "STACKED DETECTABLE WARNING UNIT DETAIL ON CRD-2.
6. CURB RAMP TYPES WITH TWO RAMPS LEADING INTO SEPARATE SIDEWALK SHALL HAVE UP TO TWO 5' LONG TRANSITION BLOCKS PAID FOR UNDER ITEM 608.0105XX05.
7. PAYMENT FOR SAW CUTTING OF THE EXISTING SIDEWALK SHALL BE INCLUDED UNDER ITEM 608.0105XX05. THERE SHALL BE NO ADDITIONAL PAYMENT FOR THIS WORK WITHIN THE LIMITS OF THESE ITEMS.
8. THE SNOW STORAGE AREA MATERIAL MAY VARY FROM TURF, CONCRETE, BRICK, ASPHALT, ETC. DISTURBANCE OF THE SNOW STORAGE SHALL BE KEPT AT A MINIMUM. PAYMENT FOR SNOW STORAGE REPAIRS SHALL BE COVERED UNDER CURB RAMP ITEM 608.0105XX05, UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS. SEE CURB RAMP PAY LIMITS ON CRD-1
9. ITEM 608.0105XX05 INCLUDES PLACING TOPSOIL AND RE-ESTABLISHING TURF IN DISTURBED AREAS. MATERIALS FOR ALL SITE RESTORATIONS SHALL MEET THE FOLLOWING REQUIREMENTS, AS PER THE LANDSCAPE DEVELOPMENT STANDARD SPECIFICATIONS:
- TOPSOIL - TYPE 1 TOPSOIL-ROADSIDE, 4" THICK
SEED MIX - TYPE C, LAWN SEED MIX
MULCH - TYPE 1, WOOD FIBER MULCH
FERTILIZER - TYPE A
- RESTORATION OF DISTURBED AREAS SHALL BE PERFORMED AS SPECIFIED UNDER SECTION 107-08 OF THE NYSDOT STANDARD SPECIFICATION. ANY EXISTING PLANT MATERIAL SHALL BE PROTECTED AS PER SECTION 107-08C OF THE STANDARD SPECIFICATION.
- 10.DEPENDING ON SITE CONDITIONS, EXISTING CURBS MAY REQUIRE PARTIAL OR TOTAL REMOVAL, OR CUTTING TO INSTALL NEW CURB RAMPS IN THE PROPER ORIENTATION. EXISTING CURB MAY ALSO REQUIRE REPLACEMENT IF AN ADA COMPLIANT CURB RAMP COULD NOT OTHERWISE BE CONSTRUCTED. ALL CURB WORK ASSOCIATED WITH THE CURB RAMP SHALL BE PAID FOR UNDER ITEM 608.0105XX05. ADDITIONAL CURB NEEDED BEYOND THE CURB RAMP SIDE FLARES SHALL BE PAID FOR UNDER ITEM 609.1001XX09.
11. THE TRANSITION FROM 6 INCH CURB TO FLUSH CURB SHALL BE A SMOOTH AND CONSISTENT TRANSITION.

ITEM 608.02010015 - UNCLASSIFIED EXCAVATION AND DISPOSAL UNDER CURB RAMPS

1. EXCAVATION AND DISPOSAL OF MATERIAL UNDER CURB RAMPS SHALL BE PAID FOR UNDER ITEM 608.02010015.
2. PAYMENT WILL BE THE TOTAL NUMBER OF CUBIC YARDS OF EXCAVATION AND DISPOSAL REQUIRED TO REMOVE OR MODIFY THE EXISTING CURB RAMP AND COMPLETE CONSTRUCTION OF THE NEW OR MODIFIED CURB RAMP AS DESCRIBED UNDER ITEM 608.0105XX05, INCLUDING ADJACENT AREAS AFFECTED BY THIS WORK.

ITEM 608.02020015 - OPTIONAL TYPE SUBBASE COURSE UNDER CURB RAMPS

1. SUBBASE COURSE MATERIAL UNDER CURB RAMPS SHALL BE PAID FOR UNDER ITEM 608.02020015.
2. PAYMENT WILL BE THE TOTAL NUMBER OF CUBIC YARDS OF SUBBASE COURSE REQUIRED TO COMPLETE CONSTRUCTION OF THE NEW CURB RAMP, AS DESCRIBED UNDER ITEM 608.0105XX05.

CURB RAMP NOTES, GENERAL


1. ALL CURB RAMPS ARE TO BE LAID OUT COMPLETELY BY THE CONTRACTOR AND APPROVED BY THE ENGINEER. PAYMENT FOR LAYOUT OF CURB RAMPS IS TO BE INCLUDED IN PRICE BID FOR ITEM 608.0105XX05.
2. IT IS STRONGLY RECOMMENDED THAT THE CONTRACTOR USE A DIGITAL LEVEL ON ALL FORMS PRIOR TO PLACING CONCRETE IN ORDER TO BUILD NEW SIDEWALKS AND CURB RAMPS WITH CORRECT RUNNING SLOPE AND CROSS SLOPE. REFER TO NYSDOT STANDARD SHEET SERIES 608-01 FOR CORRECT SLOPES AND TOLERANCES.
3. RECONSTRUCTION LIMITS BEYOND THE CURB RAMP SHALL BE KEPT TO A MINIMUM. PROVIDE TRANSITION BETWEEN THE PROPOSED RAMP/LANDING AND EXISTING SIDEWALK. THE CONTRACTOR SHALL NOT DAMAGE AREAS BEYOND SAW CUT LIMITS. DAMAGE BEYOND SAW CUT LIMITS SHALL BE REPLACED TO THE NEXT JOINT OR SCORE LINE. ANY SUCH DAMAGE SHALL BE REPAIRED BY CONTRACTOR AT NO COST TO THE STATE.
4. ALL PROPOSED WORK IS TO BE CONFINED WITHIN THE APPROXIMATE HIGHWAY BOUNDARY AS SHOWN IN THE PLANS.
5. THE CONTRACTOR IS NOT REQUIRED TO ESTABLISH EXISTING ROW IN THE FIELD. CONTRACTOR MUST PROTECT AND MAINTAIN ANY PERMANENT SURVEY MARKERS OR ROW MARKERS FOUND WITHIN THE WORK LIMITS. IF MARKERS ARE DISTURBED OR DAMAGED BY CONTRACTOR, THEY MUST BE REESTABLISHED IN ACCORDANCE WITH SECTION 625. COST TO BE INCLUDED IN BID PRICE FOR ITEM 625.01.


CONTRACTOR RESPONSIBILITY FOR ADA COMPLIANCE

1. IF THE FINAL PRODUCT FAILS TO MEET ADA GUIDELINES AND CANNOT BE JUSTIFIED AS NONSTANDARD, AS DETERMINED BY THE ENGINEER IN CONSULTATION WITH THE REGIONAL LANDSCAPE ARCHITECT, THE FINAL PRODUCT SHALL BE REPLACED AT NO ADDITIONAL COST TO THE STATE.

ITEM 608.01010002 - CONCRETE SIDEWALKS, AMERICANS WITH DISABILITIES ACT

1. IN AREAS WHERE ADDITIONAL SIDEWALK WORK IS REQUIRED BEYOND THE CURB RAMP AND TRANSITION PANEL, WORK SHALL BE PAID FOR UNDER ITEM 608.01010002 - CONCRETE SIDEWALK, AMERICANS WITH DISABILITIES ACT.
2. WORK UNDER THIS ITEM SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR NECESSARY TO COMPLETE THE WORK.
3. THERE WILL BE NO SEPARATE PAYMENT FOR EXCAVATION OR DISPOSAL OF MATERIAL UNDER SIDEWALKS UNDER THIS ITEM.
4. THERE WILL BE NO SEPARATE PAYMENT FOR PLACEMENT OF SUBBASE COURSE UNDER THIS ITEM.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:
		

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37 US 62	BRIDGES	CULVERTS	ALL DIMENSIONS IN ++ UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193					CURB RAMP NOTES
	TOWN OF AMHERST AND TONAWANDA				SHEET NO. 56	
	COUNTY: ERIE					
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						 Department of Transportation

FILE NAME = 581347_cph.lnd.corb_rmp_det_1.dgn
DATE/TIME = 02-SEP-2021 09:19
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

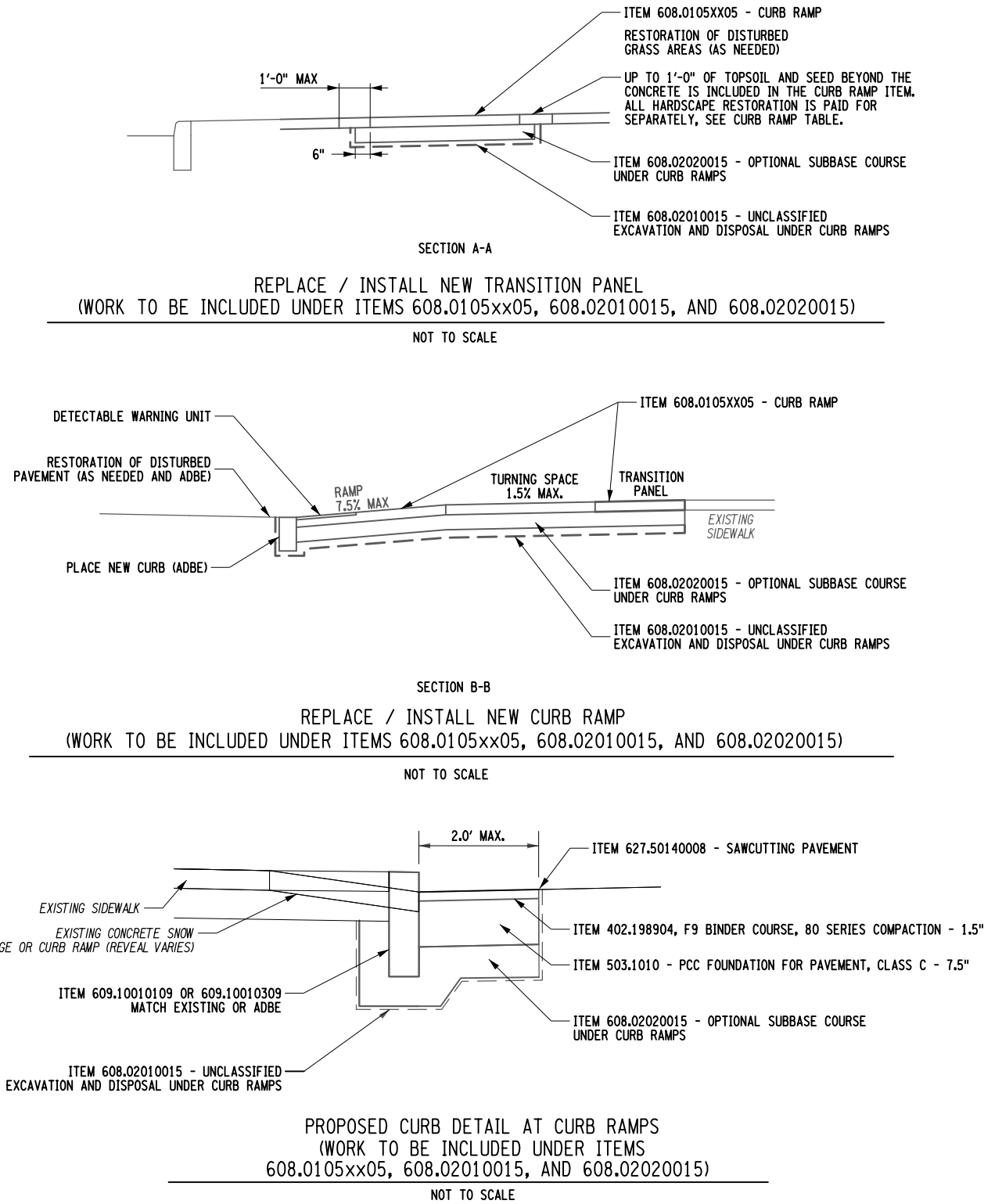
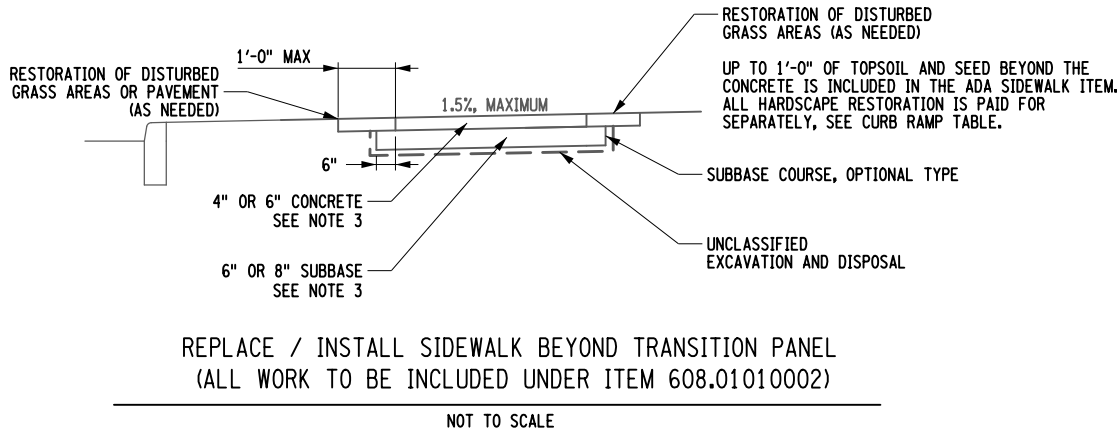
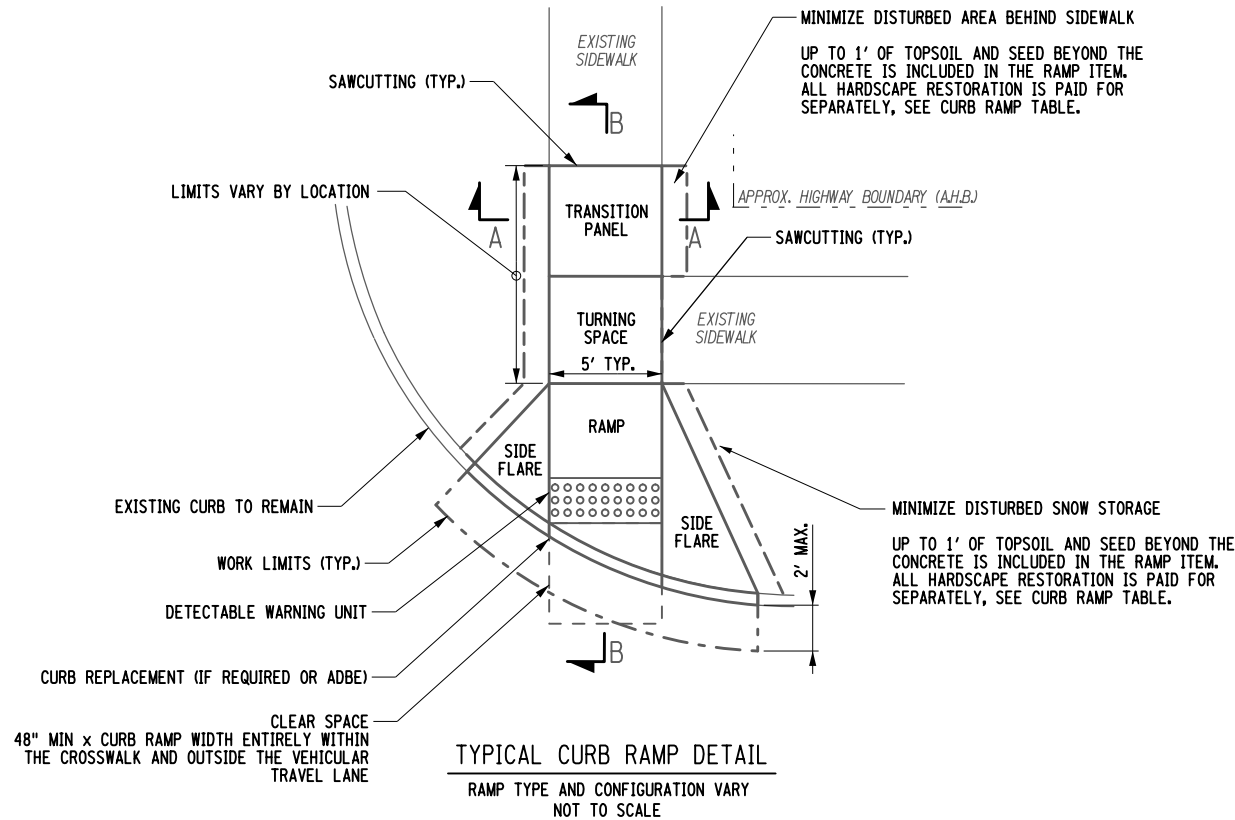
DESIGN S. SADOWSKI

CHECK ALISIA B. VILONEN

DRAFTING PETER J. PASNIK

CHECK ALISIA B. VILONEN

PROJECT MANAGER S. SINGH



NOTES:

- ALL WORK IS TO BE PAID FOR UNDER ITEMS 608.0105XX05, 608.02010015, AND 608.02020015. OTHER ITEMS LISTED ARE FOR REFERENCE ONLY, UNLESS OTHERWISE NOTED ON THE PLANS.
- NEW OR REPLACEMENT CURB IS NOT REQUIRED AT ALL RAMPS. REFER TO CURB RAMP TABLES FOR SCOPE OF WORK AT EACH LOCATION, OR ADBE.
- WHERE 4 INCHES OF CONCRETE IS SPECIFIED, PLACE 6 INCHES OF SUBBASE AND WHERE 6 INCHES OF CONCRETE IS SPECIFIED PLACE 8 INCHES OF SUBBASE.

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:	

AS-BUILT REVISIONS DESCRIPTION OF ALTERATIONS:	PAVEMENT REHABILITATION PROJECT	PIN 5814.37	BRIDGES	CULVERTS	ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED	CONTRACT NUMBER D264643
	US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193	US 62				
	TOWN OF AMHERST AND TONAWANDA					
	COUNTY: ERIE	REGION: 05				
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.						Department of Transportation

FILE NAME = 581347_cph.lnd.corb_rmp_det_2.dgn
DATE/TIME = 02-SEP-2021 09:19
USER = SSadowski

DESIGN SUPERVISOR S. SINGH

JOB MANAGER JOHN M. WENTZ

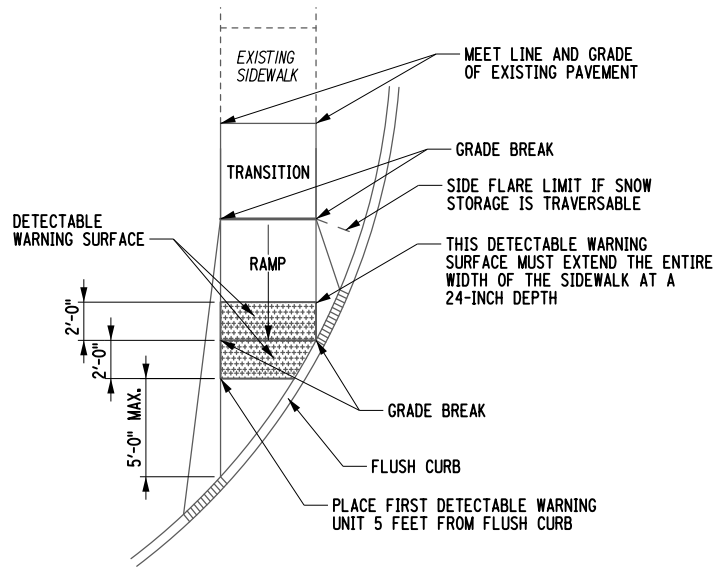
DESIGN S. SADOWSKI

CHECK ALISIA B. VILONEN

DRAFTING PETER J. PASNIK

CHECK ALISIA B. VILONEN

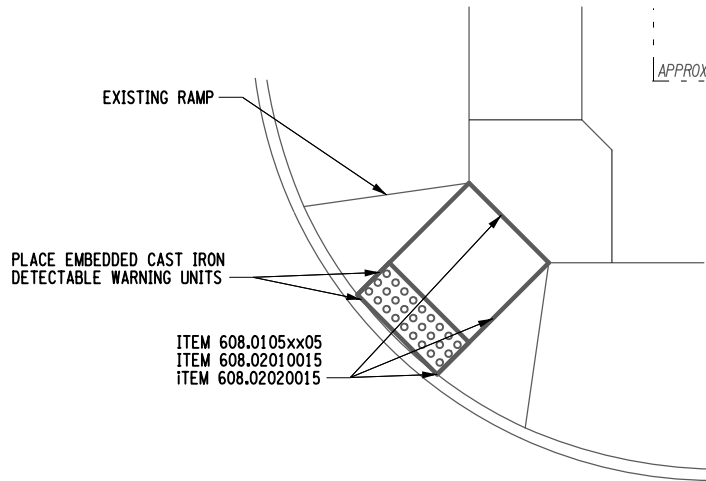
PROJECT MANAGER S. SINGH



STACKED DETECTABLE WARNING SURFACE (DWS) DETAIL
DWS PLACEMENT OPTION 2

NOT TO SCALE

1. AT VERY LARGE RADIUS INTERSECTIONS, THERE MAY BE SITUATIONS WHERE A SINGLE DETECTABLE WARNING SURFACE CANNOT BE PROPERLY INSTALLED TO FULLY MEET THE REQUIREMENTS OF AN OPTION 2 DWS CONFIGURATION (SEE STANDARD SHEET 608-01, SHEET 2, OPTION 2). IN THESE SITUATIONS, STACKING TWO (2) DWS MAY BE REQUIRED.
2. IF STACKING TWO DWS'S TOGETHER, THE CORNER OF THE FIRST DETECTABLE WARNING SURFACE (DWS) SHALL BE PLACED A MAXIMUM OF 5-FEET FROM THE FURTHEST CURB OPENING. THE SECOND DWS SHALL BE PLACED DIRECTLY BEHIND THE FIRST DWS, AND MUST EXTEND ACROSS THE ENTIRE SIDEWALK AT A 2-FOOT DEPTH.
3. NO MORE THAN TWO DETECTABLE WARNING SURFACES SHALL BE STACKED AT ANY CURB RAMP. THEREFORE, IF NECESSARY, A DIFFERENT DWS OR RAMP CONFIGURATION SHOULD BE CONSIDERED, ADBE.

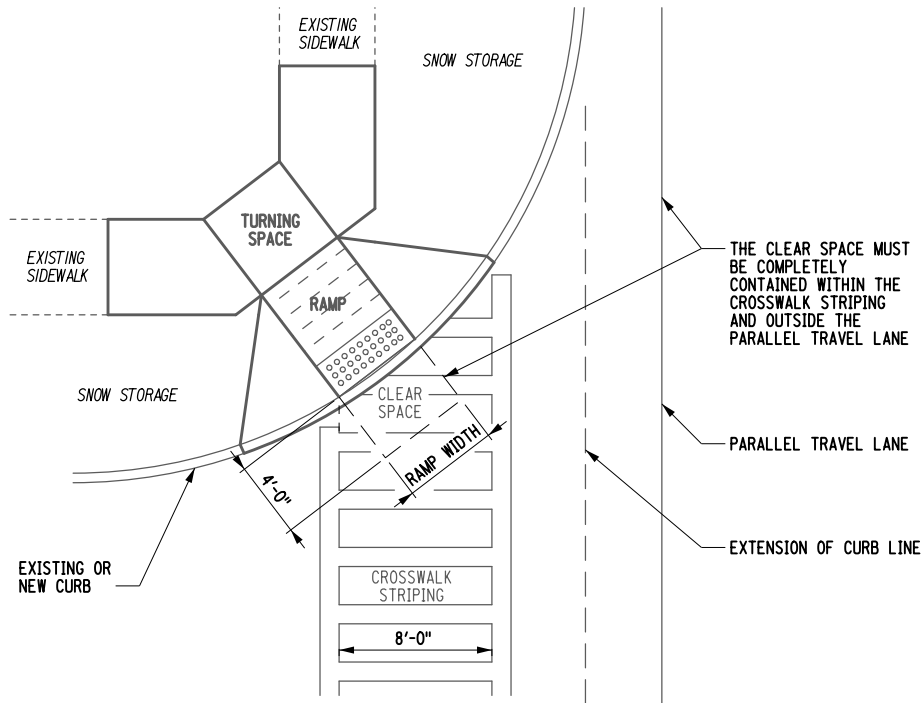


DETECTABLE WARNING SURFACE (DWS) INSTALLATION DETAIL

NOT TO SCALE

NOTE:

1. THIS DETAIL IS TO BE USED IN LOCATIONS WHERE DETECTABLE WARNINGS ARE BEING INSTALLED AT EXISTING CURB RAMPS OR DRIVEWAY CROSSINGS.
2. TO INSTALL A DWS IT HAS BEEN ASSUMED THE ENTIRE EXISTING RAMP SLAB/SIDEWALK SLAB WILL BE REMOVED AND REPLACED USING ITEM 608.0105xx05 CURB RAMP, ADBE.
3. DETECTABLE WARNING FIELD SHALL BE CAST IRON EMBEDDED DETECTABLE WARNING UNITS UNLESS OTHERWISE NOTED ON THE LOCATION TABLES AND PAID FOR UNDER ITEM 608.0105XX05.
4. THE COST OF ANY ADDITIONAL MATERIAL BEYOND THE DETECTABLE WARNING, SUCH AS SAWCUTTING, EXCAVATION, SUBBASE MATERIAL AND NEW CONCRETE PLACED AROUND THE DETECTABLE WARNING UNIT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 608.0105XX05, ITEM 608.02010015 AND ITEM 608.02020015.
5. TYPE 8 CURB RAMP IS SHOWN IN THIS DETAIL. ACTUAL RAMP TYPE AND SIZE OF DETECTABLE WARNING FIELD VARIES BY LOCATION.

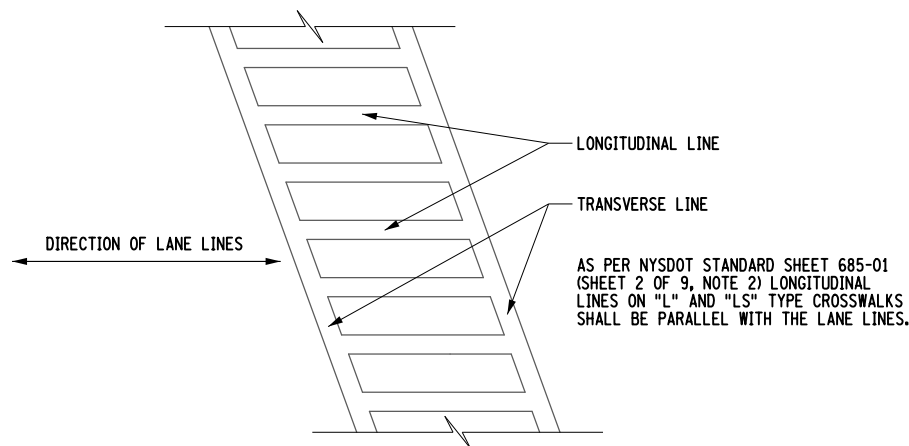


ORIENTATION OF CURB RAMP AND CROSSWALK
TYPE 8 RAMP CROSSING ONE LEG OF INTERSECTION

NOT TO SCALE

1. THE CLEAR SPACE AT THE BOTTOM OF ALL CURB RAMPS MUST BE COMPLETELY CONTAINED WITHIN THE CROSSWALKS. DEPENDING ON LOCATION, THE NEW CURB RAMP MAY NOT BE INSTALLED WHERE THE EXISTING CURB RAMP EXISTS. THIS MAY RESULT IN EXISTING CROSSWALK STRIPING THAT DOES NOT ALIGN WITH THE NEW CURB RAMPS RESULTING IN THE CLEAR SPACE NOT FULLY CONTAINED WITHIN THE CROSSWALK MARKINGS. OLD MARKINGS ARE TO REMOVED AND REPLACED IN THE CORRECT LOCATION.

CROSSWALK AND STOP BAR STRIPING



"LS" PAVEMENT MARKINGS AT SKEWED CROSSWALK

NOT TO SCALE

AFFIX SEAL: ON:	John M. Wentz, P.E. 8/26/2021	ALTERED BY: ON:

AS-BUILT REVISIONS
DESCRIPTION OF ALTERATIONS:

PAVEMENT REHABILITATION PROJECT
US RTE 62, NY 324 TO GREEN ACRES RD, SH 5193
TOWN OF AMHERST AND TONAWANDA
COUNTY: ERIE
REGION: 05

PIN 5814.37
US 62

BRIDGES

CULVERTS

ALL DIMENSIONS IN FT UNLESS OTHERWISE NOTED

CURB RAMP DETAILS

CONTRACT NUMBER
D264643

DRAWING NO. CRD - 2
SHEET NO. 58

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT, OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

NEW YORK
STATE OF
OPPORTUNITY.
Department of
Transportation