

COOPERSBURG BOROUGH

BID FOR THE CONSTRUCTION OF THE COOPERSBURG STREETScape PROJECT – PHASE 1B

Bid Advertised: Friday, November 5 and Friday, November 19, 2021
Where Advertised: The Morning Call / Coopersburg Borough Website

Bids Due Electronically: Friday, December 3, 2021 to Coopersburg Borough

Prepared By: Michael Baker International, Inc.

COOPERSBURG BOROUGH

**BID FOR THE CONSTRUCTION OF THE COOPERSBURG STREETScape
PROJECT – PHASE 1B**

ADVERTISEMENT

Coopersburg Borough, located at 5 North Main Street Coopersburg, PA 18036, will receive bids for the following:

**BID FOR THE CONSTRUCTION OF THE COOPERSBURG STREETScape
PROJECT - PHASE 1B**

Bids are required to be submitted electronically to Coopersburg Borough Manager, Timothy Paashaus via email to mail@coopersburgborough.org no later than 5:00 PM Friday, December 3, 2021 at which time bids will be publicly opened. Bids will be taken under advisement until such time as the Coopersburg Borough Council may take action on an award or rejection. For further details visit <http://www.coopersburgborough.org>.

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COOPERSBURG BOROUGH

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COOPERSBURG BOROUGH

BID FOR THE CONSTRUCTION OF THE COOPERSBURG STREETScape PROJECT - PHASE 1B

BID NOTICE

Bids are required to be submitted electronically to Coopersburg Borough Manager, Timothy Paashaus via email to mail@coopersburgborough.org no later than 5:00 PM Friday, December 3, 2021 at which time bids will be publicly opened. Bids will be taken under advisement until such time as the Coopersburg Borough Council may take action on an award or rejection. For further details visit <http://www.coopersburgborough.org>.

The bid work shall be substantially completed by August 15, 2022.

Award of bid, if a bid be awarded, will be to the lowest responsible bidder (LRB)*, but the Borough reserves the unqualified right to reject any and/or all bids and/or waive any informalities or portions thereof, as deemed in the best interest of Coopersburg Borough.

** If a bid were awarded it is the intention of Coopersburg Borough to award a bid to the LRB. LRB is interpreted to mean the successful bidder is not necessarily the lowest bidder but includes such factors as the bidder's financial responsibility, integrity, efficiency, industry experience, promptness, and ability to successfully carry out and/or service the particular bid specifications. Determining the LRB will be at the sole discretion of the Borough and be based upon a knowledge of the real situation gained by careful investigation of the successful Bidder.*

Bids shall be accompanied by a bid bond facsimile equal to ten percent (10%) of the total bid price. The bid bond must be issued by a surety licensed to conduct business in the Commonwealth of Pennsylvania. In lieu of a bid bond, cash may be posted by certified check payable to Coopersburg Borough. Upon bid opening the apparent LRB shall provide the original bid documents including the bid bond or certified check to Coopersburg Borough, c/o Borough Manager Timothy Paashaus, at 5 North Main Street Coopersburg, PA 18036.

The successful bidder shall execute and provide the Borough an original:

- 1- Non-Collusion Affidavit (See Attachment "A");
- 2- Workers Compensation Act Affidavit (See Attachment "B");
- 3- Non-Discrimination and Equal Opportunity form - Ensure that employees of their firm and applicants for employment with their firm are not discriminated against because of their race, color, religious creed, handicap, ancestry, national origin, age or sex. (See Attachment "C").
- 4- Upon bid award the successful bidder shall within ten (10) days, provide the Borough a satisfactory Performance & Payment Bond in the amount of one hundred percent (100%) of the total bid (See Attachment "E"), and insurance

certificates naming Coopersburg Borough and Michael Baker International as an additional insured. (See Attachment "D").

COOPERSBURG BOROUGH

BID FOR THE CONSTRUCTION OF THE COOPERSBURG STREETScape PROJECT - PHASE 1B

The successful bidder agrees to adhere to the bid specifications and to provide all material, transportation, construction, site preparation, and all other work indicated in a timely, good workmanlike manner and in accordance with Pennsylvania Department of Transportation (PennDOT) and industry standards. Any problems arising from the successful bidder's inability to conclude the foregoing for whatever reason, shall upon verbal and/or written notification by the Borough, be corrected to the Borough's satisfaction within twenty-four (24) hours. Failure to comply with the foregoing, shall at the Boroughs discretion, because for forfeiture of unit cost or termination of contract. Problems arising from weather related conditions may not be cause of failure, provided successful bidder and Borough mutually agree that weather is causing a problem and weather permitting, the successful bidder shall have attempted to correct the problem in the same timely manner.

The successful bidder shall provide all equipment, material, transportation, labor, supervision, and insurances to complete safe, thorough, and good workmanlike construction of all work shown on the approved plans.

The successful bidder by acceptance of this Bid award, assures the Borough all equipment operators hold current and in good standing Pennsylvania Driving Licenses appropriate for the commercial vehicles used for project delivery and installation.

The successful bidder shall complete the transportation and installation of the streetscape contract in a timely fashion. All invoicing must be presented for payment no later than August 29, 2022 in order that said invoices be paid from the Borough's 2022 budget.

COOPERSBURG BOROUGH

**BID FOR THE CONSTRUCTION OF THE COOPERSBURG STREETSCAPE
PROJECT - PHASE 1B**

**GENERAL CONDITIONS AND SPECIFICATIONS
("GENERAL CONDITIONS")**

OPENING OF PROPOSAL:

**BID FOR THE CONSTRUCTION OF THE COOPERSBURG STREETSCAPE
PROJECT - PHASE 1B**

Bids are required to be submitted electronically to Coopersburg Borough Manager, Timothy Paashaus via email to mail@coopersburgborough.org no later than 5:00 PM Friday, December 3, 2021 at which time bids will be publicly opened. Bids will be taken under advisement until such time as the Coopersburg Borough Council may take action on an award or rejection. The Supervisors reserve the right to reject any and/or all bid proposals, and/or any portions thereof, when in the sole opinion of the Borough Council it is in the best interest of Coopersburg Borough.

SUCCESSFUL BIDDER:

The Successful Bidder shall keep a competent supervisor on the work site at all times; shall not sublet any part of the work comprehended under this contract without the written consent of the Borough; shall obtain all necessary permits to properly carry out the work and pay all fees thereof; shall give to the proper authorities all requisite notices relating to the work in their charge and shall afford the Borough every facility for inspection of said work; shall be responsible for all violations of the law and damage to property, vehicles or persons in any way arising out of the work; and shall indemnify and save the Borough harmless from loss, damage, or expense arising out of any claims therefore.

TERMS OF CONTRACT:

The time of completion of this contract shall be no more than 210 calendar days from the date of notice to proceed, but in no event later than August 15, 2022 unless approved in writing by the Borough. Final payment request shall be submitted no later than August 29, 2022 in order that payment may be made by the Borough with 2022 budgeted funds. The bid work shall be substantially completed by August 15, 2022.

START DATE FOR CONSTRUCTION: Notice to Proceed is anticipated to be given on or about January 17, 2022.

ACCESS AND COORDINATION WITH BOROUGH FORCES AND OTHER CONTRACTORS:

Effort and cost for coordination with Borough staff and construction forces is incidental to the items in this contract. There are ongoing, existing construction projects near this project location. Contractor is required to allow Borough forces and the other Contractors access through the site at no additional cost.

SCOPE OF WORK:

CONTRACTOR RESPONSIBILITIES:

It is the intent of these specifications to govern the successful bidder in furnishing all equipment, vehicles, stone and paving materials, labor, all other materials and supervision necessary and incidental to perform all work necessary for the construction of curb, sidewalk and roadway, light poles, and other items designated by the Borough and reflected in the bid attachments. The successful bidder will be responsible for site preparation and finishing work. The contractor is responsible for all proposed work shown on the approved plan sets and the maintenance and protection of traffic. PennDOT Publication 408 specifications will govern unless stipulated otherwise.

FIELD SURVEYING

The contractor is responsible for all construction surveying required to construct the items in this contract. CADD files and alignment report available upon request to selected contractor. The cost of the field survey is incidental to the other contract items.

GOVERNANCE:

Work by the successful bidder shall be completed in a good workmanlike manner meeting or exceeding Borough specifications, PennDOT specifications, and industry standards.

If any of the work materials do not meet Borough bid specifications or industry standards, or becomes damaged during the process of the work, such materials or work shall be removed and replaced together with any work disarranged by such alterations at any time before the completion; and all such work shall be at the expense of the Successful Bidder; or, if for any reason it may be expedient to the Borough to accept such work, the Borough may deduct from the amount to be paid the Successful bidder, and amount equal to the difference in the value between said work and that which is specified.

In case of conflict between plans and written specifications, written specifications take precedence.

TRAFFIC CONTROL:

Proper traffic control for protection of the work site and the construction personnel shall be the responsibility of the Successful Bidder. Provide traffic control in accordance with PennDOT Publication 213, and per the Contract Documents.

EQUIPMENT:

The Successful Bidder shall provide vehicles and equipment in good operating condition with operators and supervision capable of completing the required work in a good workmanlike fashion.

OBSTRUCTION & REPAIR:

At any time when so directed by the Borough, the Successful Bidder shall clear out any rubbish, debris, or materials which may delay the progress of the work; and, at completion, the Successful Bidder shall clear out all rubbish and surplus materials left by him/her, shall repair any damage to his or her work, no matter by whom caused, and shall leave the premises broom clean and in perfect repair and order so far as his/her work is concerned.

ALTERATIONS:

Should the Borough at any time during the progress of the work request any alterations or additions there to, or deviations or omissions from the work included in the specifications, such request shall be acceded to by the Successful Bidder and the same shall in no way affect or make void the contract. Any such alterations, additions, deviations or omissions which affect the price or time for completion agreed upon, shall not be done without the written consent from the Borough.

DELAY:

Should the Successful Bidder at any time during the progress of the work, refuse or neglect, or be unfairly restricted by any cause to supply sufficiency of suitable equipment and workman to properly carry out the work in his charge, the Borough shall have the power to provide suitable equipment and workman at market rates after three days notice in writing being given to the offending Successful Bidder, to furnish the said work or material, or both and the cost of same shall be deducted from the amount of the contract.

OSHA: The project must be constructed in accordance with Federal Occupational Safety and Health Act of 1970. (OSHA).

PA ONE CALL: The project must be constructed in accordance with Pennsylvania ACT 287, as amended by Act 181 of 2006 - 811 Call before you dig.

ADA Accessibility - The project must be constructed in accordance with Architectural Barriers Act of 1968 and section 504 of the rehabilitation Act of 1973; PA Act 235 of

1965, as amended, Universal Accessibility Act, and Americans with Disability Act (ADA) of 1990, as amended. Notify the Engineer immediately if any ADA issues are discovered.

Substitutes or "Or-Equal" Items:

Whenever materials or equipment are specified or described in the Contract Documents by using the name of a proprietary item or the name of a particular Supplier, the naming of the item is intended to establish the type, function and quality required. Unless the name is followed by words indicating that no substitution is permitted, materials or equipment of other Suppliers may be accepted by ENGINEER if sufficient information is submitted by CONTRACTOR to allow ENGINEER to determine that the material or equipment proposed is equivalent or equal to that named. The procedure for review by ENGINEER will include the following as supplemented in the General Requirements. Requests for review of substitute items of material and equipment will not be accepted by ENGINEER from anyone other than CONTRACTOR. If CONTRACTOR wishes to furnish or use a substitute item of material or equipment, CONTRACTOR shall make written application to ENGINEER for acceptance thereof, certifying that the proposed substitute will perform adequately the functions and achieve the results called for by the general design, be similar and of equal substance to that specified and be suited to the same use as that specified. The application will state that the evaluation and acceptance of the proposed substitute will not prejudice CONTRACTOR's achievement of Substantial Completion on time, whether or not acceptance of the substitute for use in the Work will require a change in any of the Contract Documents (or in the provisions of any other direct contract with OWNER for work on the Project) to adapt the design to the proposed substitute and whether or not incorporation or use of the substitute in connection with the Work is subject to payment of any license fee or royalty. All variations of the proposed substitute from that specified will be identified in the application and available maintenance, repair and replacement service will be indicated. The application will also contain an itemized estimate of all costs that will result directly or indirectly from acceptance of such substitute, including costs of redesign and claims of other contractors affected by the resulting change, all of which shall be considered by ENGINEER in evaluating the proposed substitute. ENGINEER may require CONTRACTOR to furnish, at CONTRACTOR's expense, additional data about the proposed substitute.

If a specific means, method, technique, sequence or procedure of construction is indicated in or required by the Contract Documents, CONTRACTOR may furnish or utilize a substitute means, method, sequence, technique, or procedure of construction acceptable to ENGINEER if CONTRACTOR submits sufficient information to allow ENGINEER to determine that the substitute proposed is equivalent to that indicated or required by the Contract Documents. The procedure for review by ENGINEER will be similar to that requested and as determined by ENGINEER and as may be supplemented in the General Requirements.

ENGINEER will be allowed a reasonable time within which to evaluate each proposed substitute. ENGINEER will be the sole judge of acceptability, and no substitute will be ordered, installed or utilized without ENGINEER's prior written acceptance which will be evidenced by either a Change Order or an approved Shop Drawing. OWNER may require

CONTRACTOR to furnish at CONTRACTOR's expense a special performance guarantee or other surety with respect to any substitute. ENGINEER will record time required by ENGINEER and ENGINEER's consultants in evaluating substitutions proposed by CONTRACTOR and in making changes in the Contract Documents occasioned thereby. Whether or not ENGINEER accepts a proposed substitute, CONTRACTOR shall reimburse OWNER for the charges of ENGINEER and ENGINEER's consultants for evaluating each proposed substitute.

Project Item Specifications:

ITEM 1
ROADWAY AND SIDEWALK

This is a lump sum item that includes all labor, design, material, and equipment required to construct the roadway, sidewalk, curb, curb ramp, and associated items in accordance with the approved plans, PennDOT Publication 408, and as amended below. Any item not listed below should be built in accordance with PennDOT Publication 408 without modifications.

PLAIN CEMENT CONCRETE CURB, VARYING REVEAL

DESCRIPTION - In accordance with PennDOT Publication 408 Section 630.1 except as revised:

This work is the construction of plain cement concrete curb with a varying reveal height.

MATERIAL - In accordance with PennDOT Publication 408 Section 630.2.

CONSTRUCTION - In accordance with PennDOT Publication 408 Section 630.3 except as follows:

Revise to add:

- Section 630.3(c) Placing, Finishing, and Curing Concrete: Construct plain cement concrete curb as shown on the Standard Drawings (RC - 64M & RC - 67M) and with the latest ADA Standards for Accessible Design - ADAAG (28 CFR Part 36. Revised as of July 1, 1994) requirements for curb cut ramps.
- Section 630.3(h) Curb Modification: Construct the proposed curb with a varying reveal that will provide a 1.00% to 2.00% sidewalk cross slope toward the roadway while holding the existing elevation along the back edge of sidewalk. Where the curb reveal varies, provide gradual, ADA compliant transitions so that there are no abrupt grade changes in slopes and/or lips created.
- Provide holes in finished curb to reset existing drains, as needed.
- Construct curb in accordance with the approved design build curb ramp plans.

CEMENT CONCRETE SIDEWALK, INCLUDING TOPSOIL, SEEDING & MULCH

DESCRIPTION – In accordance with PennDOT Publication 408 Section 676.1 except as revised:

This work is the construction of plain cement concrete sidewalk and curb ramps on an aggregate bed.

MATERIAL – In accordance with PennDOT Publication 408 Sections 676.2.

CONSTRUCTION – In accordance with Section 676.3 except as follows:

Revise to add:

- Clean and leave the premises and area in a well-drained and smoothly graded condition, blending into the existing topography. Provide topsoil, seeding and mulching, and any soil supplements to any disturbed areas in accordance with Sections 804 and 805.
- Section 676.3(h) Curb Ramps: Construct with the latest ADA Standards for Accessible Design – PROWAG requirements for curb cut ramps. All minimum and maximum dimensions contained on the Standard Drawings RC-67M and PROWAG are absolute. Section 105.03(a) does not apply to the construction of the curb ramps. An acceptance certificate will not be issued if any newly constructed curb ramp does not fully comply with the Standard Drawings RC-67M and PROWAG requirements or has been previously approved with a technically infeasible form.
- Construct sidewalk in accordance with the approved design build curb ramp plans.
- Install wire mesh in sidewalk directly above existing drains if normal sidewalk thickness is not able to be provided due to the presence of the pipe, where applicable.
- Restore in-kind and seal any disturbed pavement directly adjacent to the sidewalk, as needed.

All labor and material including but not limited to topsoil, seeding, mulch, soil supplements, wire mesh, pavement, etc. is incidental to this item.

PLAIN CEMENT CONCRETE CURB CHEEK WALL

DESCRIPTION - This work is the construction of plain cement concrete curb cheek wall adjacent to cement concrete sidewalk.

MATERIAL – In accordance with PennDOT Publication 408 Section 630.2.

CONSTRUCTION – In accordance with the contract drawings, Section 630.3, and as follows:

Construct plain cement concrete curb cheek wall as shown on Standard Drawings RC 64M, RC 67M and as indicated in the construction plan details. Cheek wall is to be 6" in width.

Parge exterior of walls as required for a smooth surface.

Provide holes in finished curb to reset existing drains, as needed.

ROOF DRAIN OUTLET

DESCRIPTION - This work is the furnishing and installation of a pipe to replace existing roof drains underneath the sidewalk.

MATERIAL – In accordance with PennDOT Publication 408 Sections 612.2 and 615.2, and as follows:

Roof drain outlet pipe is to be PVC with a diameter that matches the existing roof drain.

Provide a rubber or PVC fitting to connect to the existing roof drain by the back edge of sidewalk.

Use PVC adhesive, as needed.

CONSTRUCTION – In accordance with PennDOT Publication 408 Sections 612.3 and 615.3, and as follows:

Connect roof drain outlet pipe with PVC or rubber fitting as required to connect to roof drain at the rear face of the sidewalk.

Install the roof drain outlet pipe underneath the proposed concrete sidewalk. Provide a slope to the pipe that ensures positive drainage into the roadway.

Install the roof drain outlet pipe at a depth that provides the maximum allowable thickness of concrete sidewalk above the pipe. Bottom of the outlet pipe is to be no lower than the roadway gutter grade where it daylight through the curb.

End of the roof drain outlet pipe must be flush with the face of curb. Remove any portion of pipe that becomes damaged during construction and replace at no cost to the Department.

Includes all labor, materials, and equipment to perform operations as described above. Pipe fittings and pipe, including any necessary pipe to complete the connections, are incidental to this item. Also includes any modifications to existing curb, as needed.

ITEM 2
LIGHTING

This is a lump sum item that includes all labor, design, material, and equipment required to construct the lighting items in accordance with the approved plans, PennDOT Publication 408, and as amended below. Any item not listed below should be built in accordance with PennDOT Publication 408 without modifications.

BOROUGH OF COOPERSBURG LIGHT POLE AND LUMINAIRE

DESCRIPTION - This work is the furnishing, installation, and erection of a Borough of Coopersburg standard pedestrian-scale luminaire and pole as depicted in the construction details, including all necessary appurtenances and hardware.

MATERIAL - In accordance with the contract drawings and as follows:

Light Pole:

Sternberg Lighting, 2100 Newport Series, Cast Aluminum-Extruded Pole
Part Number: 2112FP5-DBA/BKT

- Height: 12'
- Base: 10 ¾" Round
- Shaft: 5" OD, Straight fluted (FP5)
- Options: Double banner arms (DBA)
- Color: Black textured (BKT)

Light pole is to match exactly to the poles that were installed in the Coopersburg Streetscape Phase 4 Project (SR 2045, Section CS4 - ECMS No. 111444). Contractor to coordinate with Coopersburg and fabricator. Pole is to match in material, dimensions, features, and color.

Luminaire:

Sternberg Lighting, MS805LED Main Street Series
Part Number: PT-MS805BLED-BD5-12L30T2-MDL014-SV1 / BKT

- Fitters: BD5
- Primary Light Source: 12L LED
- Configuration: Post Top
- Wattage/Color Temp: 45.2W LED 4089 Lumens / 3000K
- Voltage: 120-277
- Lens: SV1 – Flat Soft Vue Light Diffused Acrylic
- Finish: Black Textured (BKT)

Luminaire is to match exactly to the lights that were installed in the Coopersburg Streetscape Phase 4 Project (SR 2045, Section CS4 - ECMS No. 111444). Contractor to coordinate with Coopersburg and fabricator. Luminaire is to match in material, dimensions, features, performance, and color.

For the light pole and luminaire, the Contractor is to submit the following documents to be approved by the engineer:

- PE sealed shop drawings
- PE sealed structural calculations for the light poles

CONSTRUCTION - In accordance with PennDOT Publication 408 Section 0910.3 and per manufacturer specifications and as follows:

Do not dispose of the boxes and packaging material that the lighting fixtures are shipped in. Close up each lighting fixture box with the materials inside and provide the Borough with them. Shipping with the original boxes and packaging material is required by the Manufacturer for any future repairs, if needed.

The double banner arms (DBA) for the light poles are not to be installed on the lights in the field. Account for all banner arms and inspect to ensure that no banner arms are damaged. Provide the Borough with the banner arms for future use.

All material and labor costs required for the furnishing, installation, and erection of the light poles and luminaires are incidental to this item and cost.

BOROUGH OF COOPERSBURG LIGHT POLE FOUNDATION

DESCRIPTION - This work is the construction of the foundation for the pedestrian light pole.

MATERIAL – In accordance with Section 0910.2.

CONSTRUCTION – In accordance with Section 0910.3 and the contract drawings.

The price includes excavation, concrete, anchor bolt assemblies, reinforcement bars, conduit, ground rod(s), ground rod clamp(s), grounding electrode conductor, backfilling, and satisfactory disposal of surplus material.

POWER SUPPLY CONNECTION FROM PPL POLE

DESCRIPTION – This work is the furnishing, installation, and coordination with PPL work forces for the power supply connections from PPL poles to the pedestrian lighting circuitry to provide electrical service to the new pedestrian-scale lights.

MATERIAL – In accordance with PennDOT Publication 408, Section 1101.

CONSTRUCTION – In accordance with PennDOT Publication 408, Section 910.3 and as follows:

Install power supply connections in accordance with plan details and PPL requirements.

At least three days prior to beginning any work, contact PPL to coordinate all construction activities. Submit “Application for Electric Service” forms (<https://www.pplelectric.com/utility/about-us/electric-rates-and-rules/remsi/applying-for-electric-service.aspx>), if required, for each of the service drop locations.

Service Disconnect: Furnish and install a 2-pole, 30-amp, 240-volt service disconnect with a UL listed molded case circuit breaker to provide service disconnect from PPL service connections. Provide the terminal connectors for both the line and load side capable of accepting #2 AWG CU wire.

Conduit: Install as shown on the contract drawings.

Connection of Electrical Service: PPL Energy Company will provide connection of the street light electrical service cable to its power source at each pole location. PPL fees to be paid by Coopersburg Borough. The Borough of Coopersburg to pay PPL for service connections.

The Borough of Coopersburg is to pay PPL for service connections. Item includes all power supply and service disconnect equipment.

ITEM 3 **EROSION AND SEDIMENT CONTROL**

This is a lump sum item that includes all labor, design, material, and equipment required to construct the erosion and sediment control items in accordance with the approved plans, PennDOT Publication 408, and as amended below. Any item not listed below should be built in accordance with PennDOT Publication 408 without modifications.

INLET FILTER BAG FOR TYPE C INLET, NON-STANDARD SIZE

DESCRIPTION – In accordance with PennDOT Publication 408 Section 860.1 except as revised:

This work is the installation of an inlet filter bag for a Type C inlet of a non-standard size.

MATERIAL – In accordance with Section 860.2 and as follows:

Field verify inlet dimensions and size inlet filter bag to match grate opening dimensions.

CONSTRUCTION – In accordance with Section 860.3.

ITEM 4 **SIGNING AND PAVEMENT MARKINGS**

This is a lump sum item that includes all labor, design, material, and equipment required to construct the signing and pavement marking items in accordance with the approved plans, PennDOT Publication 408, and as amended below. Any item not listed below should be built in accordance with PennDOT Publication 408 without modifications.

DECORATIVE IMPRINTED CROSSWALK, TYPE E - HERRINGBONE, MAROON COLOR, HEAVY DUTY

DESCRIPTION - This work is the furnishing and installation of a decorative imprinted crosswalk with the use of preformed thermoplastic pavement markings of the type and color indicated.

MATERIAL – In accordance with PennDOT Publication 408 Sections 960.2, Section 965.2, the contract drawings, and as follows:

Use a skid/slip resistant material with 150-mil thickness for durability in high traffic areas.

Color is to be maroon.

Pattern is to be Type E – Herringbone, in accordance with PennDOT Publication 111.

Decorative imprinted crosswalk is to match exactly to the decorative crosswalks that were installed in the Coopersburg Streetscape Phase 4 Project (SR 2045, Section CS4 - ECMS No. 111444). Contractor to coordinate with Coopersburg and certified installer. Crosswalk is to match in pattern, material, dimensions, features, and color.

Provide a material sample to Tim Paashaus of the Borough of Coopersburg for approval prior to ordering:

Tim Paashaus, Borough Manager
610-282-3307
tpaashaus@coopersburgborough.org
5 N. Main Street
Coopersburg, PA 18036

CONSTRUCTION – Install in accordance with Section 960.3, Section 965.3, and the manufacturer’s specifications.

Includes all material and labor costs for the furnishing and installation of the crosswalk, and all work in preparation of roadway for the installation of the crosswalk.

YIELD TO PEDESTRIAN CHANNELIZING DEVICE

DESCRIPTION – This work is for the furnishing and placement of a 36” by 12” double-sided “Yield to Pedestrians within Crosswalk” R1-6 sign with portable rubber base.

MATERIAL – In accordance with Section 900 and as follows:

The following suppliers are acceptable:

- Traffic Safety Store: 36” x 12” Crosswalk Barricade Sign
- SafetySign.com: In-Street Pedestrian Crossing Sign with 28lb. Rubber Base – Item X5652
- Seton.com: Double-Sided In-Street Pedestrian Crosswalk Sign 12”x36” with Portable Base
- Or approved equal

Submit catalog cut to the Borough’s Representative for approval.

CONSTRUCTION – In accordance with Section 900 and as follows:

Place sign at roadway centerline directly in front of crosswalk as indicated on signing plan.

ITEM 5

MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION

This is a lump sum item that includes all labor, design, material, and equipment required for the maintenance and protection of traffic during construction in accordance with the approved plans, PennDOT Publication 408, and as amended below.

MAINTENANCE AND PROTECTION OF TRAFFIC DURING CONSTRUCTION

In accordance with Section 901, and as follows:

Furnish the name(s) and telephone number(s) of the Traffic Control Coordinator(s) to the Representative or Borough and the Coopersburg Police Department. The Traffic Control Coordinator will maintain a daily record of crashes and work zone incidents. Coordinate this information daily with the Borough’s Representative.

Contractor is responsible for coordinating construction activities and maintenance and protection of traffic with all Contractors and subcontractors of adjacent construction projects under contract with the Department or Owner.

For short-term temporary traffic control operations, refer to PennDOT Publication 213, PATA 101-A, 102, 103, 107, 108, 109-A, 109-G, 110-C, 110-M, 128, 129, 130, and any other necessary PATA figures.

For long-term temporary traffic control operations, refer to PennDOT Publication 213, PATA 201-A, 202-A, 216, 217, 218, and any other necessary PATA figures.

Notify the Inspector-in-Charge, District 5-0 Press Office (610)871-4555 and Lehigh County Maintenance (610)798-4280 two (2) weeks prior to beginning construction, traffic pattern changes and implementation of any detour.

Contact emergency services and appropriate municipal officials, including police, fire, ambulance, schools and postal service at least two (2) weeks prior to the start of any operations affecting the flow of traffic.

Maintain access to all side roads, private driveways, and businesses at all times. If work will affect access to driveways, provide a minimum of 72-hours advance notice to the property owner. Complete work in as little time as possible and coordinate driveway access with the property owner.

Do not restrict travel lanes during the following holiday periods:

- Easter Weekend – Friday 6:00 A.M. to Tuesday 9:00 A.M.
- Memorial Day Weekend – Friday 6:00 A.M. to Tuesday 9:00 A.M.
- Independence Day Weekend – July 1, 2022 6:00 A.M. to July 5, 2022 at 9:00 A.M.
- Labor Day Weekend – Friday 6:00 A.M. to Tuesday 9:00 A.M.
- Columbus Day Weekend – Friday 6:00 A.M. to Tuesday 9:00 A.M.
- Thanksgiving – Wednesday 6:00 A.M. to Monday 9:00 A.M.
- Christmas – December 23, 2021 at 6:00 A.M. to December 27, 2021 at 9:00 A.M.
- New Years – December 30, 2021 at 6:00 A.M. to January 4, 2022 at 9:00 A.M.
- Musikfest – Opening Day 6:00 A.M. to Closing Day 12:00 A.M.

The Department reserves the right to limit lane closures with a 48 hour advance written notice.

For work that requires the closure of Horse Alley at S.R. 2026 (E. Station Ave), restore access to the alley between each construction shift.

Mount all long-term signs on Type III barricades unless otherwise noted or as directed.

Relocate temporary signing as necessary.

Temporarily cover or remove all conflicting signs and pavement markings.

Construction entrances are to be maintained as indicated. However, the entrances must be barricaded when they are not actively in use. This includes nighttime hours and applicable periods throughout the daytime. Barricades must remain moveable throughout the construction staging.

No interference of any kind will be allowed to open traffic lane(s) at any time without the use of appropriate traffic control measures, including flagging operations. This includes, but is not limited to, equipment counterweights swinging into the lane(s), material or equipment being lifted over vehicular or pedestrian travel lane(s).

Jointly survey and record with the Borough's Representative all official signs and devices by standard number, description, size, and station (left side/right side) before operations begin at all locations within the Project limits where existing official traffic signs and

devices are to be removed or relocated. Carefully remove and set aside all existing official traffic signs and devices as needed to perform required operations. Do not scratch or damage reflective sheeting face. Allow any vital traffic signs as determined by the Borough's Representative, to remain, although they may be placed on temporary supports on an interim basis. Replace in kind all signs or posts damaged during removal or replacement at no expense to the Borough.

Replace all signs or posts damaged during removal or replacement in kind at no expense to the Borough.

Maintain travel lanes in good condition when in use, to the satisfaction of the Inspector-In-Charge.

Attach the following sign, or an approved equal, to all vehicles excluding concrete delivery trucks used on this project during construction operations which travel the project on any traffic lane open to public use. Attach sign to rear of vehicles in a prominent position. Maintain signs in a condition suitable to the Inspector-in-Charge.

Provide a sign with black letters on an orange retroreflective background, readable at a distance of 200 feet during daylight hours. Signs for pick-up trucks and smaller vehicles should be designed with minimum 3 inch letters. Signs for larger trucks should be designed with minimum 6 inch letters. Provide sign lettering which reads as follows:

CONSTRUCTION VEHICLE

KEEP ALERT FOR

SUDDEN STOPS AND TURNS

Pedestrian Facilities – Maintain the safety for pedestrians at all times within the limits of construction and approaching the construction area.

Maintain access to all building entrances and driveways. Maintain access to all bus stops. Nothing shall be permitted to protrude into the pedestrian walkway.

Pedestrian walkways must be a minimum of 4-ft in width. Provide minimum 5-ft width wherever feasible. Every 200-ft a 5-ft wide x 5-ft long passing zone must be provided unless a 5-ft wide walkway can be provided throughout the length.

All pedestrian walkways must have a maximum cross-slope of 2% and a maximum gradient of 8.33% (12:1) including ramp areas to roadways.

Walkway surfaces must be stable and slip resistant. Inlet grates and utility casting are not permitted in the walkways and crosswalks but may be covered with a suitable material meeting Americans with Disabilities Act (ADA) and department requirements.

Maintain in place pedestrian facilities until opening modified pedestrian patterns.

Where pedestrians are adjacent to ongoing construction or within 4-ft of a travel lane, provide a 6-ft fence barrier made of plastic or metal. Use metal fence for drop offs greater than 2 feet or as directed by the Inspector-in-charge.

Provide pedestrian barriers that are continuous, stable, and non-flexible with 6 inches above the walkway surface. Provide pedestrian barrier with a continuous surface or upper rail at a 36" minimum height above the walkway surface. The Representative must approve the fence barrier design prior to installation.

If construction materials are lifted over active pedestrian facilities, then overhead protection approved by the Representative must be in place.

ITEM 6
PROJECT PREPARATION

This is a lump sum item that includes all labor, design, material, and equipment required for mobilization, clearing and grubbing, and any other project preparation tasks in accordance with the approved plans and PennDOT Publication 408.

PERMITS:

All required permit approvals (i.e. PennDOT Highway Occupancy Permit) have been acquired for the work included in this bid package.

Other Project Specifications:

MISCELLANEOUS COORDINATION

This includes all coordination involved with the construction of the project at no additional cost to the Borough.

COORDINATION WITH BOROUGH OF COOPERSBURG

This is for the coordination between the Borough and Contractor during construction.

Coordinate with the Borough to determine placement of signs throughout the project. The Borough will dictate which signs are to be mounted on nearby poles or installed as Type B signs on posts.

Do not dispose of the boxes and packaging material that the lighting fixtures are shipped in. Close up each lighting fixture box with the materials inside and provide the Borough with them. Shipping with the original boxes and packaging material is required by the Manufacturer for any future repairs, if needed.

The double banner arms (DBA) for the light poles are not to be installed on the lights in the field. Account for all banner arms and inspect to ensure that no banner arms are damaged. Provide the Borough with the banner arms for future use.

The contact at the Borough is as follows:

Tim Paashaus, Borough Manager
610-282-3307
tpaashaus@coopersburgborough.org
5 N. Main Street
Coopersburg, PA 18036

All coordination work and associated costs are incidental to the entire project.

COOPERSBURG BOROUGH

ATTACHMENT "A"

NON-COLLUSION AFFIDAVIT

NO. _____:

State of _____:

County of _____:

I state that I am (Title) _____ of (Firm) _____ and that I am authorized to make this affidavit on behalf of my firm, its owners, directors, and officers. I am the person responsible in my firm for the unit prices and bid totals and do understand any invoices I submit for payment will be in accordance with my unit prices for work rendered.

I state that:

1. the unit price(s) and bid amounts of this bid have been arrived at independently and without consultation, communication or agreement with any other contractor, bidder or potential bidder.
2. neither the unit price(s) nor the amount of this bid, and neither the approximate unit price(s) nor the approximate amount of this bid, have been disclosed to any other firm or person who is a bidder or potential bidder, and they will not be disclosed before bid opening.
3. no attempt has been made or will be made to induce any firm or person to refrain from bidding on this contract, or to submit a bid higher than this bid, or to submit any intentionally high or noncompetitive bid or other form of complementary bid.
4. the bid of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary or other noncompetitive bid.
5. (Firm) _____, its affiliates, subsidiaries, officers, directors and employees are not currently under investigation by any governmental agency and have not, in the last four years, been convicted or found liable for any act prohibited by State or Federal law in any jurisdiction, involving conspiracy or collusion with respect to bidding on any public contract, except as follows:

I state that (firm) _____ understands and acknowledges that the above representations are materials and important, and will be relied on by Coopersburg Borough or Coopersburg Borough Municipal Authority, whichever has jurisdiction in awarding the contract(s) for which this bid is submitted. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as fraudulent concealment from Coopersburg Borough or the Coopersburg Borough Municipal Authority of the true facts relating to the submission of bids for this contract and said concealment may be cause for termination of contract and/or, other legal remedies.

(Name and Position) _____

SWORN TO AND SUBSCRIBED
BEFORE ME THIS _____ DAY
OF _____, 20_____.

_____ My Commission Expires _____
Notary Public Date

COOPERSBURG BOROUGH

ATTACHMENT “C”

NON-DISCRIMINATION & EQUAL OPPORTUNITY

Nondiscrimination and Equal Opportunity are the policy of the Commonwealth of Pennsylvania in all its decisions, program, and activities. The purpose is to achieve the aims of the United States and Pennsylvania Constitutions. Executive Order 1972-1, the Pennsylvania Human Relations Act, Act of October 27, 1955, P.L. 744, as amended, (43 P.L. & 951, et. Seq. and 43 P.L. & 152, by assuring that all persons are accorded equal employment opportunity without regard to race, color, religious creed, handicap, ancestry, national origin, age, or sex.

This policy applies to the Contracting Agencies of this Commonwealth (Department of Community Affairs, Bureau of Recreation and Conservation), and to applicants who perform under State contract (municipalities and their contractors).

Every state contract shall contain a nondiscrimination clause barring discrimination in employment, because of race, color, religious creed, handicap, ancestry, national origin, age or sex.

The applicant shall include this Act and the following nondiscrimination provisions in any construction contract awarded for the project.

During the term of this contract, Contractor agrees as follows:

1. Contractor shall not discriminate against any employee, applicant for employment, independent contractor, or any other person because of race, color, religious creed, ancestry, national origin, age or sex. Contractor shall take affirmative action to ensure that applicants are employed, and that employees or agents are treated during employment, without regard to their race, color, religious creed, handicap, ancestry, national origin, age or sex. Such affirmative action shall include, but is not limited to: employment, upgrading, demotion or transfer, recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection training. Contractor shall post in conspicuous places, available to employees, agents, applicants for employment, and or other persons, a notice to be provided by the contracting agency setting forth the provisions of this nondiscrimination clause.
2. Contractor shall, in advertisements or requests for employment placed by it or on its behalf, state that all qualified applicants will receive consideration for employment without regard to race, color, religious creed, handicap, ancestry, national origin, age or sex.
3. Contractor shall send each labor union or worker’s representative with which it

has a collective bargaining agreement or other contract or understanding, a notice advising said labor union or workers' representative of its commitment to this nondiscrimination clause. Similar notice shall be sent to every other source of recruitment regularly utilized by contractor.

4. It shall be no defense to a finding of noncompliance with this nondiscrimination clause that Contractor had delegated some of its employment practices to any union, training program or other source of recruitment which prevents it from meeting its obligations. However, if the evidence indicates that the Contractor was not on notice of the third party discrimination or made a good faith effort to correct it, such factor shall be considered in mitigation in determining appropriate sanctions.
5. Where the practices of a union or any training program or other source of recruitment will result in the exclusion of minority group persons, so that Contractor will be unable to meet its obligation under this nondiscrimination Clause, Contractor shall then employ and fill vacancies through other non-discriminatory employment procedures.
6. Contractor shall comply with all state and federal laws prohibiting discrimination in hiring or employment opportunities. In the event of Contractor's non-compliance with the nondiscrimination clause of this contract or with any laws, this contract may be terminated or suspended. In whole or in part, the Contractor may be declared temporarily ineligible for further Commonwealth contracts, and other sanctions may be imposed and remedies invoked.
7. Contractor shall furnish all necessary employment documents and records to, and permit access to its books, records, and accounts by the contracting agency for purposes of investigation to ascertain compliance with the provisions of this clause. If Contractor does not possess documents or records reflecting the necessary information requested, it shall furnish such information on reporting forms supplied by the contracting agency.
8. Contractor shall actively recruit minority and women subcontractors or subcontractors with substantial minority representation among their employees.
9. Contractor shall include the provisions of this nondiscrimination clause in every subcontract, so that such provisions will be binding upon each Subcontractor.
10. Contractor obligations under this clause are limited to the Contractor's facilities within Pennsylvania or, where the contract is for purchase of goods manufactured outside of Pennsylvania, the facilities at which such goods are actually produced.

I have read the forgoing and agree to be bound by the provisions:

Date _____ Signature _____

NONDISCRIMINATION/SEXUAL HARASSMENT CLAUSE (DCED)

During the term of the Contract, Grant Applicant (known herein as "Grantee") agrees as follows:

1. In the hiring of any employee(s) for the manufacture of supplies, performance of work, or any other activity required under the grant agreement or any subgrant agreement, contract, or subcontract, the Grantee, a subgrantee, a contractor, a subcontractor, or any person acting on behalf of the Grantee shall not, by reason of gender, race, creed, or color, discriminate against any citizen of this Commonwealth who is qualified and available to perform the work to which the employment relates.
2. The Grantee, any subgrantee, contractor or any subcontractor or any person on their behalf shall not in any manner discriminate against or intimidate any of its employees on account of gender, race, creed, or color.
3. The Grantee, any subgrantee, contractor or any subcontractor shall establish and maintain a written sexual harassment policy and shall inform their employees of the policy. The policy must contain a notice that sexual harassment will not be tolerated and employees who practice it will be disciplined.
4. The Grantee, any subgrantee, contractor or any subcontractor shall not discriminate by reason of gender, race, creed, or color against any subgrantee, contractor, subcontractor or supplier who is qualified to perform the work to which the contracts relates.
5. The Grantee, any subgrantee, any contractor or any subcontractor shall, within the time periods requested by the Commonwealth, furnish all necessary employment documents and records and permit access to their books, records, and accounts by the granting agency and the Bureau of Minority and Women Business Opportunities (BMWBO), for purpose of ascertaining compliance with provisions of this Nondiscrimination/Sexual Harassment Clause. Within thirty (30) days after award of any grant, the Grantee shall be required to complete, sign and submit Form STD-21, the "Initial Contract Compliance Data" form. Grantees who have fewer than five employees or whose employees are all from the same family or who have completed the STD-21 form within the past 12 months may, within the 15 days, request an exemption from the STD-21 form from the granting agency.
6. The Grantee, any subgrantee, contractor or any subcontractor shall include the provisions of this Nondiscrimination/Sexual Harassment Clause in every subgrant agreement, contract or subcontract so that those provisions applicable to subgrantees, contractors or subcontractors will be binding upon each subgrantee, contractor or subcontractor.
7. The Commonwealth may cancel or terminate the grant agreement and all money due or to become due under the grant agreement may be forfeited for a violation of the terms and conditions of this Nondiscrimination/Sexual Harassment Clause. In addition, the granting agency may proceed with debarment or suspension and may place the Grantee, subgrantee, contractor, or subcontractor in the Contractor Responsibility File.

I have read the forgoing and agree to be bound by the provisions:

Date _____ Signature _____

COOPERSBURG BOROUGH

ATTACHMENT “D”

INSURANCE

<u>Type of Insurance</u> (At a minimum)	<u>Limits of Liability</u>	
	<u>Each Occurrence</u>	<u>Aggregate</u>
General Liability		
General Aggregate		\$ 1,000,000.00
Bodily Injury and Property Damage	\$ 500,000.00 \$ 500,000.00	
Automobile Liability	<u>Each Person</u>	<u>Each Accident</u>
Bodily Injury	\$ 1,000,000.00	\$ 2,000,000.00
Property Damage		\$ 1,000,000.00
Workers Compensation		
Coverage A (Statutory)	Sufficient limits and endorsements to discharge Obligations under all applicable Workman’s Compensation Laws.	
Coverage B Employers Liability	\$ 500,000.00 Each Accident	
“	\$ 500,000.00 Each Employee	
“	\$ 500,000.00 Each Disease	

NOTE: Upon bid award the successful bidder shall within ten (10) days, provide the Borough, insurance certificate(s) naming Coopersburg Borough and Michael Baker International as an additional insured.

COOPERSBURG BOROUGH

SURETY BONDS

ATTACHMENT “E”

The successful bidder shall be required to furnish and pay for a satisfactory Performance and Payment Bond in the amount of one hundred percent (100%) of the total BID FOR THE CONSTRUCTION OF THE COOPERSBURG STREETSCAPE PROJECT - PHASE 1B; a “Material and Labor Payment Bond” covering the prompt payment in full for materials, utility services rendered, and all equipment furnished and/or labor supplied or performed, in the prosecution of the work, also in the sum of One Hundred Percent (100%) of the amount of the Contract; and a “Maintenance Bond” in the sum of Ten Percent (10%) of the Contract amount, conditioned for the Contractor’s remedy, without cost to the Department, of any defects which develop during the period of construction of these General Conditions. All bonds must be executed by a Corporate Surety authorized to do business in the Commonwealth and approved by Coopersburg Borough within ten (10) days of the Board of Supervisors bid award. If the bonds are executed by a non-resident agent, they must be countersigned by a resident agent registered with the Pennsylvania Department of Insurance. The same Surety must execute all bonds and should the Surety upon such bonds become unsatisfactory to the Department, the Contractor must promptly furnish such additional security as may be required from time to time to protect the interests of the Department and of any individual, partnership, joint venture, corporations or other legal entity supplying materials, utility services, equipment, and/or labor in the prosecution of the work contemplated by the Contract.

**COOPERSBURG BOROUGH
BID PROPOSAL
ATTACHMENT "F"**

Date: _____

Coopersburg Borough
5 North Main Street
Coopersburg, PA 18036

Attn: Borough Manager, Timothy Paashaus

We have read the bid information and are qualified to complete the work requested. We agree to complete the work as indicated in the specifications and plans unless otherwise directed by the Borough Manager or his designee. Listed below is our bid proposal for: **BID FOR THE CONSTRUCTION OF THE COOPERSBURG STREETScape PROJECT - PHASE 1B**. Note: Coopersburg Borough reserves the right to add or remove contract items prior to accepting a final bid.

1. Cost of Roadway and Sidewalk Items: _____
2. Cost of Lighting Items: _____
3. Cost of Erosion and Sediment Control Items: _____
4. Cost of Signing and Pavement Marking Items: _____
5. Cost of Maintenance and Protection of Traffic During Construction: _____
6. Cost of Project Preparation Items: _____

The Total Sum of our Bid (#1 through #6) is: _____

This proposal is submitted by:

Firm: _____
Address: _____
Phone: _____

Firm Official
Signature: _____ Print Name: _____

Bid for Construction of the COOPERSBURG STREETScape PROJECT - PHASE 1B project was accepted/rejected for an amount totaling

The **Lump Sum Total** is: _____

by the Coopersburg Borough Council at their public meeting held _____.

Attest

Borough Official

ATTACHMENT "G"

PUBLIC WORKS EMPLOYMENT VERIFICATION FORM



COMMONWEALTH OF PENNSYLVANIA

PUBLIC WORKS EMPLOYMENT VERIFICATION FORM

Date _____

Business or Organization Name (Employer) _____

Address _____

City _____ State _____ Zip Code _____

Contractor

Contracting Public Body _____

Contract/Project No _____

Project Description _____

Project Location _____

As a contractor/subcontractor for the above referenced public works contract, I hereby affirm that as of the above date, our company is in compliance with the Public Works Employment Verification Act ('the Act') through utilization of the federal E-Verify Program (EVP) operated by the United States Department of Homeland Security. To the best of my/our knowledge, all employees hired post January 1, 2013 are authorized to work in the United States.

It is also agreed to that all public works contractors/subcontractors will utilize the federal EVP to verify the employment eligibility of each new hire within five (5) business days of the employee start date throughout the duration of the public works contract. Documentation confirming the use of the federal EVP upon each new hire shall be maintained in the event of an investigation or audit.

I, _____, authorized representative of the company above, attest that the information contained in this verification form is true and correct and understand that the submission of false or misleading information in connection with the above verification shall be subject to sanctions provided by law.

Authorized Representative Signature

ATTACHMENT “H”

PREVAILING WAGE RATES

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project Name:	Coopersburg Streetscape Project Phase 1B
Awarding Agency:	Coopersburg Borough
Contract Award Date:	10/1/2021
Serial Number:	21-06004
Project Classification:	Highway
Determination Date:	8/10/2021
Assigned Field Office:	Scranton
Field Office Phone Number:	(570)963-4577
Toll Free Phone Number:	(877)214-3962
Project County:	Lehigh County

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Asbestos & Insulation Workers	6/26/2017		\$32.00	\$26.51	\$58.51
Asbestos & Insulation Workers	7/2/2018		\$32.80	\$26.76	\$59.56
Asbestos & Insulation Workers	7/2/2019		\$33.80	\$27.26	\$61.06
Asbestos & Insulation Workers	6/29/2020		\$34.80	\$28.01	\$62.81
Asbestos & Insulation Workers	6/28/2021		\$35.80	\$28.26	\$64.06
Asbestos & Insulation Workers	7/27/2022		\$35.80	\$30.01	\$65.81
Asbestos & Insulation Workers	6/26/2023		\$35.80	\$32.01	\$67.81
Asbestos & Insulation Workers	7/1/2024		\$35.80	\$34.06	\$69.86
Boilermaker (Commercial, Institutional, and Minor Repair Work)	3/1/2017		\$28.52	\$18.22	\$46.74
Boilermaker (Commercial, Institutional, and Minor Repair Work)	3/1/2018		\$29.52	\$18.22	\$47.74
Boilermaker (Commercial, Institutional, and Minor Repair Work)	1/1/2019		\$29.26	\$18.48	\$47.74
Boilermakers	1/1/2018		\$46.26	\$33.36	\$79.62
Boilermakers	3/1/2018		\$45.89	\$33.73	\$79.62
Boilermakers	1/1/2019		\$45.51	\$34.11	\$79.62
Boilermakers	8/1/2019		\$47.21	\$34.11	\$81.32
Boilermakers	1/1/2021		\$49.32	\$34.90	\$84.22
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/1/2017		\$31.72	\$18.94	\$50.66
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/1/2018		\$32.14	\$19.32	\$51.46
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/1/2019		\$32.65	\$19.71	\$52.36
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/3/2020		\$32.95	\$20.41	\$53.36
Bricklayers, Stone Masons, Pointers, Caulkers, Cleaners	5/1/2021		\$33.94	\$20.52	\$54.46
Carpenter - Chief of Party (Surveying & Layout)	5/1/2017		\$36.01	\$25.54	\$61.55
Carpenter - Chief of Party (Surveying & Layout)	5/1/2018	4/30/2019	\$37.33	\$25.84	\$63.17
Carpenter - Chief of Party (Surveying & Layout)	5/1/2019		\$38.27	\$25.84	\$64.11
Carpenter - Chief of Party (Surveying & Layout)	5/1/2020		\$40.35	\$26.49	\$66.84
Carpenter - Chief of Party (Surveying & Layout)	5/1/2021		\$41.62	\$26.49	\$68.11
Carpenter - Chief of Party (Surveying & Layout)	5/1/2022		\$42.94	\$26.49	\$69.43
Carpenter - Chief of Party (Surveying & Layout)	5/1/2023		\$44.38	\$26.49	\$70.87
Carpenter - Chief of Party (Surveying & Layout)	5/1/2024		\$45.87	\$26.49	\$72.36
Carpenter - Instrument Person (Surveying & Layout)	5/1/2017		\$32.74	\$25.54	\$58.28
Carpenter - Instrument Person (Surveying & Layout)	5/1/2018	4/30/2019	\$33.49	\$25.84	\$59.33
Carpenter - Instrument Person (Surveying & Layout)	5/1/2019		\$34.79	\$25.84	\$60.63
Carpenter - Instrument Person (Surveying & Layout)	5/1/2020		\$35.09	\$26.49	\$61.58
Carpenter - Instrument Person (Surveying & Layout)	5/1/2021		\$36.19	\$26.49	\$62.68
Carpenter - Instrument Person (Surveying & Layout)	5/1/2022		\$37.34	\$26.49	\$63.83
Carpenter - Instrument Person (Surveying & Layout)	5/1/2023		\$38.59	\$26.49	\$65.08
Carpenter - Instrument Person (Surveying & Layout)	5/1/2024		\$39.89	\$26.49	\$66.38
Carpenter - Rodman (Surveying & Layout)	5/1/2017		\$26.19	\$20.35	\$46.54
Carpenter - Rodman (Surveying & Layout)	5/1/2018	4/30/2019	\$26.79	\$20.75	\$47.54

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Carpenter - Rodman (Surveying & Layout)	5/1/2019		\$27.83	\$20.75	\$48.58
Carpenter - Rodman (Surveying & Layout)	5/1/2020		\$17.55	\$20.20	\$37.75
Carpenter - Rodman (Surveying & Layout)	5/1/2021		\$18.10	\$20.20	\$38.30
Carpenter - Rodman (Surveying & Layout)	5/1/2022		\$18.68	\$20.20	\$38.88
Carpenter - Rodman (Surveying & Layout)	5/1/2023		\$19.30	\$20.20	\$39.50
Carpenter - Rodman (Surveying & Layout)	5/1/2024		\$19.95	\$20.20	\$40.15
Carpenters	5/1/2017		\$32.74	\$25.54	\$58.28
Carpenters	5/1/2018	4/30/2019	\$33.49	\$25.84	\$59.33
Carpenters	5/1/2019		\$34.79	\$25.84	\$60.63
Carpenters	5/1/2020		\$35.09	\$26.49	\$61.58
Carpenters	5/1/2021		\$36.19	\$26.49	\$62.68
Carpenters	5/1/2022		\$37.29	\$26.49	\$63.78
Carpenters	5/1/2023		\$38.54	\$26.49	\$65.03
Carpenters	5/1/2024		\$39.84	\$26.49	\$66.33
Cement Finishers & Plasterers	5/2/2021		\$28.03	\$21.05	\$49.08
Cement Masons	5/1/2017		\$28.40	\$22.88	\$51.28
Cement Masons	5/1/2019		\$31.00	\$22.68	\$53.68
Cement Masons	5/1/2020		\$31.60	\$23.33	\$54.93
Cement Masons	5/1/2021		\$32.65	\$23.58	\$56.23
DockBuilder/ Divers (Building Heavy & Highway)	5/1/2020		\$52.44	\$37.27	\$89.71
DockBuilder/Pile Drivers (Building, Heavy & Highway)	5/1/2018		\$43.45	\$34.47	\$77.92
DockBuilder/Pile Drivers (Building, Heavy & Highway)	5/1/2020		\$43.70	\$37.27	\$80.97
DockBuilder/Pile Drivers/ Diver Tender(Building Heavy & Highway)	5/1/2020		\$43.70	\$37.27	\$80.97
Dockbuilder/Piledriver (Building, Heavy, Highway)	11/1/2017		\$43.45	\$33.22	\$76.67
Dockbuilder/Piledriver (Building, Heavy, Highway)	5/1/2018		\$44.70	\$33.22	\$77.92
Drywall Finisher	5/1/2017		\$27.81	\$18.17	\$45.98
Drywall Finisher	5/1/2019		\$28.58	\$19.64	\$48.22
Drywall Finisher	5/1/2020		\$29.33	\$20.01	\$49.34
Drywall Finisher	5/1/2021		\$29.65	\$20.74	\$50.39
Electricians	12/1/2018		\$41.06	\$19.38	\$60.44
Electricians	6/1/2019	5/31/2020	\$42.86	\$19.38	\$62.24
Electricians	6/1/2020		\$41.94	\$22.16	\$64.10
Electricians	6/1/2021		\$42.65	\$23.06	\$65.71
Electricians	6/1/2022		\$44.46	\$23.06	\$67.52
Electricians	6/1/2023		\$46.49	\$23.06	\$69.55
Elevator Constructor	1/1/2016		\$45.04	\$30.28	\$75.32
Elevator Constructor	1/1/2018		\$47.48	\$33.00	\$80.48
Floor Coverer	5/1/2019		\$34.32	\$26.84	\$61.16
Floor Coverer	5/1/2020		\$35.70	\$26.84	\$62.54
Floor Layer	5/1/2017		\$32.72	\$26.31	\$59.03
Floor Layer	5/1/2018		\$33.32	\$26.49	\$59.81
Glazier	5/1/2017		\$34.69	\$18.05	\$52.74
Glazier	5/1/2018		\$35.69	\$18.35	\$54.04
Glazier	5/1/2019	4/30/2020	\$35.53	\$20.06	\$55.59

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Glazier	5/1/2020	4/30/2021	\$35.53	\$21.51	\$57.04
Glazier	5/1/2021		\$35.53	\$22.86	\$58.39
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2017		\$31.33	\$28.42	\$59.75
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2018		\$32.53	\$28.42	\$60.95
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2019		\$32.76	\$29.88	\$62.64
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2020		\$33.76	\$30.13	\$63.89
Laborers (Class 01 - See notes)	5/1/2017		\$25.39	\$17.34	\$42.73
Laborers (Class 01 - See notes)	5/1/2018	4/30/2019	\$25.94	\$17.89	\$43.83
Laborers (Class 01 - See notes)	5/1/2019	4/30/2020	\$26.99	\$18.14	\$45.13
Laborers (Class 01 - See notes)	5/1/2020		\$27.89	\$18.44	\$46.33
Laborers (Class 01 - See notes)	5/1/2021		\$28.84	\$18.49	\$47.33
Laborers (Class 02 - See notes)	5/1/2017		\$26.42	\$17.34	\$43.76
Laborers (Class 02 - See notes)	5/1/2018	4/30/2019	\$26.97	\$17.89	\$44.86
Laborers (Class 02 - See notes)	5/1/2019	4/30/2020	\$28.02	\$18.14	\$46.16
Laborers (Class 02 - See notes)	5/1/2020		\$28.92	\$18.44	\$47.36
Laborers (Class 02 - See notes)	5/1/2021		\$29.87	\$18.49	\$48.36
Laborers (Class 03 - See notes)	5/1/2017		\$26.19	\$17.63	\$43.82
Laborers (Class 03 - See notes)	5/1/2018	4/30/2019	\$26.74	\$18.18	\$44.92
Laborers (Class 03 - See notes)	5/1/2019		\$27.79	\$18.28	\$46.07
Laborers (Class 03 - See notes)	5/3/2020		\$28.69	\$18.58	\$47.27
Laborers (Class 03 - See notes)	5/2/2021		\$29.59	\$18.58	\$48.17
Laborers (Class 03 - See notes)	5/1/2022		\$30.54	\$18.58	\$49.12
Laborers (Class 03 - See notes)	4/30/2023		\$31.14	\$19.18	\$50.32
Laborers (Class 04 - See notes)	5/1/2017		\$26.19	\$17.63	\$43.82
Laborers (Class 04 - See notes)	5/1/2018	4/30/2019	\$26.74	\$18.18	\$44.92
Laborers (Class 04 - See notes)	5/1/2019		\$27.79	\$18.28	\$46.07
Laborers (Class 04 - See notes)	5/3/2020		\$30.19	\$18.58	\$48.77
Laborers (Class 04 - See notes)	5/2/2021		\$31.09	\$18.58	\$49.67
Laborers (Class 04 - See notes)	5/1/2022		\$32.04	\$18.58	\$50.62
Laborers (Class 04 - See notes)	4/30/2023		\$32.64	\$19.18	\$51.82
Laborers (Class 05 - See notes)	5/1/2017		\$28.19	\$17.63	\$45.82
Laborers (Class 05 - See notes)	5/1/2018	4/30/2019	\$28.74	\$18.18	\$46.92
Laborers (Class 05 - See notes)	5/1/2019		\$29.79	\$18.28	\$48.07
Laborers (Class 05 - See notes)	5/3/2020		\$30.69	\$18.58	\$49.27
Laborers (Class 05 - See notes)	5/2/2021		\$31.59	\$18.58	\$50.17
Laborers (Class 05 - See notes)	5/1/2022		\$32.54	\$18.58	\$51.12
Laborers (Class 05 - See notes)	4/30/2023		\$33.14	\$19.18	\$52.32
Laborers (Class 06 - See notes)	5/1/2017		\$26.74	\$17.34	\$44.08
Laborers (Class 06 - See notes)	5/1/2018	4/30/2019	\$26.19	\$18.18	\$44.37
Laborers (Class 06 - See notes)	5/1/2019		\$28.34	\$18.14	\$46.48
Laborers (Class 06 - See notes)	5/1/2020		\$29.24	\$18.44	\$47.68
Laborers (Class 06 - See notes)	5/1/2021		\$30.84	\$18.49	\$49.33

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Marble Mason	5/1/2017		\$28.15	\$18.56	\$46.71
Marble Mason	5/1/2018		\$28.77	\$18.94	\$47.71
Marble Mason	5/1/2019		\$29.38	\$19.33	\$48.71
Marble Mason	5/1/2020		\$29.98	\$19.73	\$49.71
Marble Mason	5/1/2021		\$30.57	\$20.14	\$50.71
Millwright	7/1/2017		\$39.19	\$30.24	\$69.43
Millwright	5/1/2018		\$41.02	\$30.96	\$71.98
Millwright	5/1/2019		\$42.94	\$31.29	\$74.23
Millwright	5/1/2021		\$45.09	\$31.94	\$77.03
Operators (Building, Class 01 - See Notes)	5/1/2017		\$35.24	\$24.58	\$59.82
Operators (Building, Class 01 - See Notes)	5/1/2018		\$36.78	\$25.03	\$61.81
Operators (Building, Class 01 - See Notes)	5/1/2019		\$36.78	\$27.03	\$63.81
Operators (Building, Class 01 - See Notes)	5/1/2020		\$38.32	\$27.49	\$65.81
Operators (Building, Class 01 - See Notes)	5/1/2021		\$39.87	\$27.94	\$67.81
Operators (Building, Class 01A - See Notes)	5/1/2017		\$37.49	\$25.23	\$62.72
Operators (Building, Class 01A - See Notes)	5/1/2018		\$39.03	\$25.69	\$64.72
Operators (Building, Class 01A - See Notes)	5/1/2019		\$39.03	\$27.69	\$66.72
Operators (Building, Class 01A - See Notes)	5/1/2020		\$40.57	\$28.15	\$68.72
Operators (Building, Class 01A - See Notes)	5/1/2021		\$42.12	\$28.60	\$70.72
Operators (Building, Class 02 - See Notes)	5/1/2017		\$34.96	\$24.49	\$59.45
Operators (Building, Class 02 - See Notes)	5/1/2018		\$36.50	\$24.95	\$61.45
Operators (Building, Class 02 - See Notes)	5/1/2019		\$36.50	\$26.94	\$63.44
Operators (Building, Class 02 - See Notes)	5/1/2020		\$38.05	\$27.39	\$65.44
Operators (Building, Class 02 - See Notes)	5/1/2021		\$39.59	\$27.85	\$67.44
Operators (Building, Class 02A - See Notes)	5/1/2017		\$37.21	\$25.16	\$62.37
Operators (Building, Class 02A - See Notes)	5/1/2018		\$38.75	\$25.61	\$64.36
Operators (Building, Class 02A - See Notes)	5/1/2019		\$38.75	\$27.61	\$66.36
Operators (Building, Class 02A - See Notes)	5/1/2020		\$40.30	\$28.06	\$68.36
Operators (Building, Class 02A - See Notes)	5/1/2021		\$41.84	\$28.52	\$70.36
Operators (Building, Class 03 - See Notes)	5/1/2017		\$32.23	\$23.68	\$55.91
Operators (Building, Class 03 - See Notes)	5/1/2018		\$33.78	\$24.12	\$57.90
Operators (Building, Class 03 - See Notes)	5/1/2019		\$33.78	\$26.13	\$59.91
Operators (Building, Class 03 - See Notes)	5/1/2020		\$35.32	\$26.59	\$61.91
Operators (Building, Class 03 - See Notes)	5/1/2021		\$36.87	\$27.04	\$63.91
Operators (Building, Class 04 - See Notes)	5/1/2017		\$30.33	\$22.12	\$52.45
Operators (Building, Class 04 - See Notes)	5/1/2018		\$32.63	\$23.80	\$56.43
Operators (Building, Class 04 - See Notes)	5/1/2019		\$32.63	\$25.81	\$58.44
Operators (Building, Class 04 - See Notes)	5/1/2020		\$34.18	\$26.26	\$60.44
Operators (Building, Class 04 - See Notes)	5/1/2021		\$35.72	\$26.72	\$62.44
Operators (Building, Class 05 - See Notes)	5/1/2017		\$29.87	\$21.99	\$51.86
Operators (Building, Class 05 - See Notes)	5/1/2018		\$32.18	\$23.69	\$55.87
Operators (Building, Class 05 - See Notes)	5/1/2019		\$32.19	\$25.67	\$57.86
Operators (Building, Class 05 - See Notes)	5/1/2020		\$33.73	\$26.13	\$59.86
Operators (Building, Class 05 - See Notes)	5/1/2021		\$35.27	\$26.59	\$61.86

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Building, Class 06 - See Notes)	5/1/2017		\$29.00	\$21.72	\$50.72
Operators (Building, Class 06 - See Notes)	5/1/2018		\$31.31	\$23.41	\$54.72
Operators (Building, Class 06 - See Notes)	5/1/2019		\$31.31	\$25.41	\$56.72
Operators (Building, Class 06 - See Notes)	5/1/2020		\$32.86	\$25.86	\$58.72
Operators (Building, Class 06 - See Notes)	5/1/2021		\$34.40	\$26.32	\$60.72
Operators (Building, Class 07A- See Notes)	5/1/2017		\$42.44	\$28.13	\$70.57
Operators (Building, Class 07A- See Notes)	5/1/2018		\$44.29	\$28.68	\$72.97
Operators (Building, Class 07A- See Notes)	5/1/2019		\$44.60	\$30.77	\$75.37
Operators (Building, Class 07A- See Notes)	5/1/2020		\$46.46	\$31.31	\$77.77
Operators (Building, Class 07A- See Notes)	5/1/2021		\$48.31	\$31.86	\$80.17
Operators (Building, Class 07B- See Notes)	5/1/2017		\$42.09	\$28.03	\$70.12
Operators (Building, Class 07B- See Notes)	5/1/2018		\$43.95	\$28.58	\$72.53
Operators (Building, Class 07B- See Notes)	5/1/2019		\$44.26	\$30.66	\$74.92
Operators (Building, Class 07B- See Notes)	5/1/2020		\$46.11	\$31.21	\$77.32
Operators (Building, Class 07B- See Notes)	5/1/2021		\$47.96	\$31.77	\$79.73
Painters Class 1 (see notes)	5/1/2017		\$27.25	\$18.17	\$45.42
Painters Class 1 (see notes)	5/1/2019		\$28.31	\$19.77	\$48.08
Painters Class 1 (see notes)	5/1/2020		\$28.91	\$20.42	\$49.33
Painters Class 1 (see notes)	5/1/2021		\$29.51	\$21.07	\$50.58
Painters Class 2 (see notes)	5/1/2017		\$30.15	\$18.17	\$48.32
Painters Class 2 (see notes)	5/1/2019		\$31.21	\$19.78	\$50.99
Painters Class 2 (see notes)	5/1/2020		\$31.81	\$20.43	\$52.24
Painters Class 3 (see notes)	5/1/2017		\$36.25	\$18.17	\$54.42
Piledrivers	5/1/2021		\$43.73	\$37.99	\$81.72
Plasterers	5/1/2017		\$29.93	\$21.51	\$51.44
Plasterers	5/1/2019		\$32.08	\$21.86	\$53.94
Plasterers	5/1/2020		\$32.88	\$22.31	\$55.19
Plasterers	5/1/2021		\$33.73	\$22.76	\$56.49
plumber	5/1/2019		\$45.92	\$31.72	\$77.64
plumber	8/1/2020		\$47.43	\$32.86	\$80.29
plumber	5/1/2021		\$49.58	\$33.36	\$82.94
Plumbers	5/1/2017		\$44.39	\$30.60	\$74.99
Roofers (Composition)	5/1/2017		\$36.15	\$30.22	\$66.37
Roofers (Composition)	5/1/2018		\$37.15	\$31.27	\$68.42
Roofers (Composition)	5/1/2019		\$38.35	\$31.80	\$70.15
Roofers (Composition)	5/1/2020		\$39.50	\$32.30	\$71.80
Roofers (Composition)	5/1/2021		\$40.33	\$33.12	\$73.45
Roofers (Shingle)	5/1/2016		\$25.70	\$19.17	\$44.87
Roofers (Shingle)	5/1/2019		\$28.50	\$20.87	\$49.37
Roofers (Shingle)	5/1/2020		\$29.50	\$21.25	\$50.75
Roofers (Slate & Tile)	5/1/2016		\$28.70	\$19.17	\$47.87
Roofers (Slate & Tile)	5/1/2018		\$30.50	\$20.37	\$50.87
Roofers (Slate & Tile)	5/1/2019		\$31.50	\$20.87	\$52.37
Roofers (Slate & Tile)	5/1/2020		\$32.50	\$21.25	\$53.75

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Sheet Metal Workers	12/1/2015		\$32.64	\$32.89	\$65.53
Sheet Metal Workers	6/1/2017		\$33.98	\$35.40	\$69.38
Sheet Metal Workers	6/1/2018		\$34.78	\$36.45	\$71.23
Sheet Metal Workers	6/1/2019		\$36.08	\$37.65	\$73.73
Sheet Metal Workers	6/1/2020		\$36.08	\$40.15	\$76.23
Sheet Metal Workers	6/1/2021		\$36.08	\$42.65	\$78.73
Sign Makers and Hangars	7/17/2021		\$29.49	\$23.90	\$53.39
Sprinklerfitters	4/1/2017		\$37.40	\$21.74	\$59.14
Sprinklerfitters	4/1/2018		\$38.80	\$22.74	\$61.54
Sprinklerfitters	4/1/2020		\$38.90	\$26.42	\$65.32
Steamfitters	5/1/2017		\$46.99	\$32.67	\$79.66
Steamfitters	5/1/2019		\$49.93	\$35.82	\$85.75
Steamfitters	5/1/2020		\$51.73	\$37.07	\$88.80
Steamfitters	5/1/2021		\$53.08	\$38.87	\$91.95
Terrazzo Finisher	5/1/2017		\$31.64	\$15.62	\$47.26
Terrazzo Finisher	5/1/2018		\$32.35	\$15.91	\$48.26
Terrazzo Finisher	5/1/2019		\$33.04	\$16.22	\$49.26
Terrazzo Finisher	5/1/2020		\$32.26	\$18.48	\$50.74
Terrazzo Finisher	5/1/2021		\$33.23	\$19.03	\$52.26
Terrazzo Grinder	5/1/2020		\$32.95	\$18.48	\$51.43
Terrazzo Grinder	5/1/2021		\$33.94	\$19.03	\$52.97
Terrazzo Mechanics	5/1/2020		\$32.91	\$20.11	\$53.02
Terrazzo Mechanics	5/1/2021		\$33.83	\$20.78	\$54.61
Terrazzo Setter	5/1/2017		\$30.63	\$18.85	\$49.48
Terrazzo Setter	5/1/2018		\$31.23	\$19.25	\$50.48
Terrazzo Setter	5/1/2019		\$31.81	\$19.67	\$51.48
Tile & Marble Finisher	5/1/2017		\$26.39	\$14.70	\$41.09
Tile & Marble Finisher	5/1/2018		\$27.05	\$15.04	\$42.09
Tile & Marble Finisher	5/1/2019		\$27.69	\$15.40	\$43.09
Tile & Marble Finisher	5/1/2020		\$28.31	\$15.78	\$44.09
Tile & Marble Finisher	5/1/2020		\$28.31	\$15.78	\$44.09
Tile & Marble Finisher	5/1/2021		\$28.90	\$16.19	\$45.09
Tile Setter	5/1/2017		\$28.15	\$18.56	\$46.71
Tile Setter	5/1/2018		\$28.77	\$18.94	\$47.71
Tile Setter	5/1/2019		\$29.38	\$19.33	\$48.71
Tile Setter	5/1/2020		\$29.68	\$20.03	\$49.71
Tile Setter	5/1/2020		\$29.98	\$19.73	\$49.71
Tile Setter	5/1/2021		\$29.97	\$20.74	\$50.71
Truckdriver class 1(see notes)	5/1/2017		\$34.47	\$0.00	\$34.47
Truckdriver class 1(see notes)	5/1/2018		\$35.32	\$0.00	\$35.32
Truckdriver class 1(see notes)	5/1/2019		\$36.12	\$0.00	\$36.12
Truckdriver class 1(see notes)	5/1/2020		\$36.92	\$10.73	\$47.65
Truckdriver class 1(see notes)	5/1/2021		\$37.72	\$11.02	\$48.74
Truckdriver class 2 (see notes)	5/1/2017		\$34.54	\$0.00	\$34.54

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Building	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Truckdriver class 2 (see notes)	5/1/2018		\$35.39	\$0.00	\$35.39
Truckdriver class 2 (see notes)	5/1/2019		\$36.19	\$0.00	\$36.19
Truckdriver class 2 (see notes)	5/1/2020		\$37.48	\$10.73	\$48.21
Truckdriver class 2 (see notes)	5/1/2020		\$36.99	\$10.73	\$47.72
Truckdriver class 2 (see notes)	5/1/2021		\$38.28	\$11.02	\$49.30
Truckdriver class 2 (see notes)	5/1/2021		\$37.79	\$11.02	\$48.81
Truckdriver class 3 (see notes)	5/1/2017		\$35.03	\$0.00	\$35.03
Truckdriver class 3 (see notes)	5/1/2018		\$35.88	\$0.00	\$35.88
Truckdriver class 3 (see notes)	5/1/2019		\$36.68	\$0.00	\$36.68
Window Film / Tint Installer	6/1/2019		\$24.52	\$12.08	\$36.60

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Carpenter - Chief of Party (Surveying & Layout)	5/1/2017		\$36.07	\$25.54	\$61.61
Carpenter - Chief of Party (Surveying & Layout)	5/1/2018	4/30/2019	\$37.06	\$25.84	\$62.90
Carpenter - Chief of Party (Surveying & Layout)	5/1/2019		\$38.10	\$26.19	\$64.29
Carpenter - Chief of Party (Surveying & Layout)	5/1/2020		\$40.64	\$26.49	\$67.13
Carpenter - Chief of Party (Surveying & Layout)	5/1/2021		\$41.91	\$26.49	\$68.40
Carpenter - Chief of Party (Surveying & Layout)	5/1/2022		\$43.23	\$26.49	\$69.72
Carpenter - Chief of Party (Surveying & Layout)	5/1/2023		\$44.67	\$26.49	\$71.16
Carpenter - Chief of Party (Surveying & Layout)	5/1/2024		\$46.16	\$26.49	\$72.65
Carpenter - Instrument Person (Surveying & Layout)	5/1/2017		\$32.79	\$25.54	\$58.33
Carpenter - Instrument Person (Surveying & Layout)	5/1/2018	4/30/2019	\$33.69	\$25.84	\$59.53
Carpenter - Instrument Person (Surveying & Layout)	5/1/2019		\$34.64	\$26.19	\$60.83
Carpenter - Instrument Person (Surveying & Layout)	5/1/2020		\$35.34	\$26.49	\$61.83
Carpenter - Instrument Person (Surveying & Layout)	5/1/2021		\$36.44	\$26.49	\$62.93
Carpenter - Instrument Person (Surveying & Layout)	5/1/2022		\$37.59	\$26.49	\$64.08
Carpenter - Instrument Person (Surveying & Layout)	5/1/2023		\$38.84	\$26.49	\$65.33
Carpenter - Instrument Person (Surveying & Layout)	5/1/2024		\$40.14	\$26.49	\$66.63
Carpenter - Rodman (Surveying & Layout)	5/1/2017		\$26.23	\$20.35	\$46.58
Carpenter - Rodman (Surveying & Layout)	5/1/2018	4/30/2019	\$26.95	\$20.50	\$47.45
Carpenter - Rodman (Surveying & Layout)	5/1/2019		\$27.77	\$20.70	\$48.47
Carpenter - Rodman (Surveying & Layout)	5/1/2020		\$28.27	\$20.90	\$49.17
Carpenter - Rodman (Surveying & Layout)	5/1/2021		\$29.15	\$20.90	\$50.05
Carpenter - Rodman (Surveying & Layout)	5/1/2022		\$30.07	\$20.90	\$50.97
Carpenter - Rodman (Surveying & Layout)	5/1/2023		\$31.07	\$20.90	\$51.97
Carpenter - Rodman (Surveying & Layout)	5/1/2024		\$32.11	\$20.90	\$53.01
Carpenters	5/1/2017		\$32.79	\$25.54	\$58.33
Carpenters	5/1/2018	4/30/2019	\$33.69	\$25.84	\$59.53
Carpenters	5/1/2019		\$34.99	\$25.84	\$60.83
Carpenters	5/1/2020		\$35.34	\$26.49	\$61.83
Carpenters	5/1/2021		\$36.44	\$26.49	\$62.93
Carpenters	5/1/2022		\$37.59	\$26.49	\$64.08
Carpenters	5/1/2023		\$38.84	\$26.49	\$65.33
Carpenters	5/1/2024		\$40.14	\$26.49	\$66.63
DockBuilder/ Divers (Building Heavy & Highway)	5/1/2020		\$52.44	\$37.27	\$89.71
DockBuilder/Pile Drivers/ Diver Tender(Building Heavy & Highway)	5/1/2020		\$43.70	\$37.27	\$80.97
Electric Lineman	5/29/2017		\$44.22	\$23.94	\$68.16
Electric Lineman	5/28/2018		\$45.25	\$24.94	\$70.19
Electric Lineman	5/27/2019		\$46.32	\$25.97	\$72.29
Electric Lineman	6/1/2020		\$47.42	\$27.04	\$74.46
Electric Lineman	5/31/2021		\$49.22	\$27.36	\$76.58
Electric Lineman	5/30/2022		\$50.28	\$28.47	\$78.75
Electric Lineman	5/29/2023		\$51.40	\$29.62	\$81.02
Electric Lineman	6/3/2024		\$52.80	\$30.61	\$83.41
Electricians	6/1/2022		\$44.46	\$23.06	\$67.52
Electricians	6/1/2023		\$46.49	\$23.06	\$69.55

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2017		\$31.33	\$28.42	\$59.75
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2018		\$32.53	\$28.42	\$60.95
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2019		\$32.76	\$29.88	\$62.64
Iron Workers (Bridge, Structural Steel, Ornamental, Precast, Reinforcing)	7/1/2020		\$33.76	\$30.13	\$63.89
Laborers (Class 01 - See notes)	5/1/2016		\$19.81	\$15.79	\$35.60
Laborers (Class 01 - See notes)	5/1/2017		\$20.36	\$16.29	\$36.65
Laborers (Class 01 - See notes)	5/1/2018		\$20.96	\$16.79	\$37.75
Laborers (Class 01 - See notes)	5/1/2019		\$21.61	\$17.29	\$38.90
Laborers (Class 01 - See notes)	5/1/2020		\$22.41	\$17.69	\$40.10
Laborers (Class 01 - See notes)	5/1/2021		\$23.21	\$18.09	\$41.30
Laborers (Class 01 - See notes)	5/1/2022		\$24.01	\$18.54	\$42.55
Laborers (Class 01 - See notes)	5/1/2023		\$24.81	\$18.99	\$43.80
Laborers (Class 01 - See notes)	5/1/2024		\$25.61	\$19.49	\$45.10
Laborers (Class 02 - See notes)	5/1/2016		\$26.43	\$15.79	\$42.22
Laborers (Class 02 - See notes)	5/1/2017		\$26.98	\$16.29	\$43.27
Laborers (Class 02 - See notes)	5/1/2018		\$27.58	\$16.79	\$44.37
Laborers (Class 02 - See notes)	5/1/2019		\$28.23	\$17.29	\$45.52
Laborers (Class 02 - See notes)	5/1/2020		\$29.03	\$17.69	\$46.72
Laborers (Class 02 - See notes)	5/1/2021		\$29.83	\$18.09	\$47.92
Laborers (Class 02 - See notes)	5/1/2022		\$30.63	\$18.54	\$49.17
Laborers (Class 02 - See notes)	5/1/2023		\$31.43	\$18.99	\$50.42
Laborers (Class 02 - See notes)	5/1/2024		\$32.23	\$19.49	\$51.72
Laborers (Class 03 - See notes)	5/1/2016		\$23.42	\$15.79	\$39.21
Laborers (Class 03 - See notes)	5/1/2017		\$23.97	\$16.29	\$40.26
Laborers (Class 03 - See notes)	5/1/2018		\$24.57	\$16.79	\$41.36
Laborers (Class 03 - See notes)	5/1/2019		\$25.22	\$17.29	\$42.51
Laborers (Class 03 - See notes)	5/1/2020		\$26.02	\$17.69	\$43.71
Laborers (Class 03 - See notes)	5/1/2021		\$26.82	\$18.09	\$44.91
Laborers (Class 03 - See notes)	5/1/2022		\$27.62	\$18.54	\$46.16
Laborers (Class 03 - See notes)	5/1/2023		\$28.42	\$18.99	\$47.41
Laborers (Class 03 - See notes)	5/1/2024		\$29.22	\$19.49	\$48.71
Laborers (Class 04 - See notes)	5/1/2016		\$23.77	\$15.79	\$39.56
Laborers (Class 04 - See notes)	5/1/2017		\$24.32	\$16.29	\$40.61
Laborers (Class 04 - See notes)	5/1/2018		\$24.92	\$16.79	\$41.71
Laborers (Class 04 - See notes)	5/1/2019		\$25.57	\$17.29	\$42.86
Laborers (Class 04 - See notes)	5/1/2020		\$26.37	\$17.69	\$44.06
Laborers (Class 04 - See notes)	5/1/2021		\$27.17	\$18.09	\$45.26
Laborers (Class 04 - See notes)	5/1/2022		\$27.97	\$18.54	\$46.51
Laborers (Class 04 - See notes)	5/1/2023		\$28.77	\$18.99	\$47.76
Laborers (Class 04 - See notes)	5/1/2024		\$29.57	\$19.49	\$49.06
Laborers (Class 05 - See notes)	5/1/2016		\$24.44	\$15.79	\$40.23
Laborers (Class 05 - See notes)	5/1/2017		\$24.99	\$16.29	\$41.28

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Laborers (Class 05 - See notes)	5/1/2018		\$25.59	\$16.79	\$42.38
Laborers (Class 05 - See notes)	5/1/2019		\$26.24	\$17.29	\$43.53
Laborers (Class 05 - See notes)	5/1/2020		\$27.04	\$17.69	\$44.73
Laborers (Class 05 - See notes)	5/1/2021		\$27.84	\$18.09	\$45.93
Laborers (Class 05 - See notes)	5/1/2022		\$28.64	\$18.54	\$47.18
Laborers (Class 05 - See notes)	5/1/2023		\$29.44	\$18.99	\$48.43
Laborers (Class 05 - See notes)	5/1/2024		\$30.24	\$19.49	\$49.73
Laborers (Class 06 - See notes)	5/1/2016		\$23.86	\$15.79	\$39.65
Laborers (Class 06 - See notes)	5/1/2017		\$24.41	\$16.29	\$40.70
Laborers (Class 06 - See notes)	5/1/2018		\$25.01	\$16.79	\$41.80
Laborers (Class 06 - See notes)	5/1/2019		\$25.66	\$17.29	\$42.95
Laborers (Class 06 - See notes)	5/1/2020		\$26.46	\$17.69	\$44.15
Laborers (Class 06 - See notes)	5/1/2021		\$27.26	\$18.09	\$45.35
Laborers (Class 06 - See notes)	5/1/2022		\$28.06	\$18.54	\$46.60
Laborers (Class 06 - See notes)	5/1/2023		\$28.86	\$18.99	\$47.85
Laborers (Class 06 - See notes)	5/1/2024		\$29.66	\$19.49	\$49.15
Laborers (Class 07 - See notes)	5/1/2016		\$24.15	\$15.79	\$39.94
Laborers (Class 07 - See notes)	5/1/2017		\$24.70	\$16.29	\$40.99
Laborers (Class 07 - See notes)	5/1/2018		\$25.30	\$16.79	\$42.09
Laborers (Class 07 - See notes)	5/1/2019		\$25.95	\$17.29	\$43.24
Laborers (Class 07 - See notes)	5/1/2020		\$26.75	\$17.69	\$44.44
Laborers (Class 07 - See notes)	5/1/2021		\$27.55	\$18.09	\$45.64
Laborers (Class 07 - See notes)	5/1/2022		\$28.35	\$18.54	\$46.89
Laborers (Class 07 - See notes)	5/1/2023		\$29.15	\$18.99	\$48.14
Laborers (Class 07 - See notes)	5/1/2024		\$29.95	\$19.49	\$49.44
Laborers (Class 08 - See notes)	5/1/2016		\$24.63	\$15.79	\$40.42
Laborers (Class 08 - See notes)	5/1/2017		\$25.18	\$16.29	\$41.47
Laborers (Class 08 - See notes)	5/1/2018		\$25.78	\$16.79	\$42.57
Laborers (Class 08 - See notes)	5/1/2019		\$26.43	\$17.29	\$43.72
Laborers (Class 08 - See notes)	5/1/2020		\$27.23	\$17.69	\$44.92
Laborers (Class 08 - See notes)	5/1/2021		\$28.03	\$18.09	\$46.12
Laborers (Class 08 - See notes)	5/1/2022		\$28.83	\$18.54	\$47.37
Laborers (Class 08 - See notes)	5/1/2023		\$29.63	\$18.99	\$48.62
Laborers (Class 08 - See notes)	5/1/2024		\$30.43	\$19.49	\$49.92
Laborers Class 01 - See Notes (Building, Heavy, Highway)	5/1/2020		\$22.41	\$17.69	\$40.10
Laborers Class 01 - See Notes (Building, Heavy, Highway)	5/1/2021		\$23.21	\$18.09	\$41.30
Laborers Class 01 - See Notes (Building, Heavy, Highway)	5/1/2022		\$24.01	\$18.54	\$42.55
Laborers Class 01 - See Notes (Building, Heavy, Highway)	5/1/2023		\$24.81	\$18.99	\$43.80
Laborers Class 01 - See Notes (Building, Heavy, Highway)	5/1/2024		\$25.61	\$19.49	\$45.10
Laborers Class 02 - See Notes (Building, Heavy, Highway)	5/1/2020		\$29.03	\$17.69	\$46.72

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Laborers Class 02 - See Notes (Building, Heavy, Highway)	5/1/2021		\$29.83	\$18.09	\$47.92
Laborers Class 02 - See Notes (Building, Heavy, Highway)	5/1/2022		\$30.63	\$18.54	\$49.17
Laborers Class 02 - See Notes (Building, Heavy, Highway)	5/1/2023		\$31.43	\$18.99	\$50.42
Laborers Class 02 - See Notes (Building, Heavy, Highway)	5/1/2024		\$32.23	\$19.49	\$51.72
Laborers Class 03 - See Notes (Building, Heavy, Highway)	5/1/2020		\$26.02	\$17.69	\$43.71
Laborers Class 03 - See Notes (Building, Heavy, Highway)	5/1/2021		\$26.82	\$18.09	\$44.91
Laborers Class 03 - See Notes (Building, Heavy, Highway)	5/1/2022		\$27.62	\$18.54	\$46.16
Laborers Class 03 - See Notes (Building, Heavy, Highway)	5/1/2023		\$28.42	\$18.99	\$47.41
Laborers Class 03 - See Notes (Building, Heavy, Highway)	5/1/2024		\$29.22	\$19.49	\$48.71
Laborers Class 04 - See Notes (Building, Heavy, Highway)	5/1/2020		\$26.37	\$17.69	\$44.06
Laborers Class 04 - See Notes (Building, Heavy, Highway)	5/1/2021		\$27.17	\$18.09	\$45.26
Laborers Class 04 - See Notes (Building, Heavy, Highway)	5/1/2022		\$27.97	\$18.54	\$46.51
Laborers Class 04 - See Notes (Building, Heavy, Highway)	5/1/2023		\$28.77	\$18.99	\$47.76
Laborers Class 04 - See Notes (Building, Heavy, Highway)	5/1/2024		\$29.57	\$19.49	\$49.06
Laborers Class 05 - See Notes (Building, Heavy, Highway)	5/1/2020		\$27.04	\$17.69	\$44.73
Laborers Class 05 - See Notes (Building, Heavy, Highway)	5/1/2021		\$27.84	\$18.09	\$45.93
Laborers Class 05 - See Notes (Building, Heavy, Highway)	5/1/2022		\$28.64	\$18.54	\$47.18
Laborers Class 05 - See Notes (Building, Heavy, Highway)	5/1/2023		\$29.44	\$18.99	\$48.43
Laborers Class 05 - See Notes (Building, Heavy, Highway)	5/1/2024		\$30.24	\$19.49	\$49.73
Laborers Class 06 - See Notes (Building, Heavy, Highway)	5/1/2020		\$26.46	\$17.69	\$44.15
Laborers Class 06 - See Notes (Building, Heavy, Highway)	5/1/2021		\$27.26	\$18.09	\$45.35
Laborers Class 06 - See Notes (Building, Heavy, Highway)	5/1/2022		\$28.06	\$18.54	\$46.60
Laborers Class 06 - See Notes (Building, Heavy, Highway)	5/1/2023		\$28.86	\$18.99	\$47.85
Laborers Class 06 - See Notes (Building, Heavy, Highway)	5/1/2024		\$29.66	\$19.49	\$49.15
Laborers Class 07 - See Notes (Building, Heavy, Highway)	5/1/2020		\$26.75	\$17.69	\$44.44
Laborers Class 07 - See Notes (Building, Heavy, Highway)	5/1/2021		\$27.55	\$18.09	\$45.64
Laborers Class 07 - See Notes (Building, Heavy, Highway)	5/1/2022		\$28.35	\$18.54	\$46.89

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Laborers Class 07 - See Notes (Building, Heavy, Highway)	5/1/2023		\$29.15	\$18.99	\$48.14
Laborers Class 07 - See Notes (Building, Heavy, Highway)	5/1/2024		\$29.95	\$19.49	\$49.44
Laborers Class 08 - See Notes (Building, Heavy, Highway)	5/1/2020		\$27.23	\$17.69	\$44.92
Laborers Class 08 - See Notes (Building, Heavy, Highway)	5/1/2021		\$28.03	\$18.09	\$46.12
Laborers Class 08 - See Notes (Building, Heavy, Highway)	5/1/2022		\$28.83	\$18.54	\$47.37
Laborers Class 08 - See Notes (Building, Heavy, Highway)	5/1/2023		\$29.63	\$18.99	\$48.62
Laborers Class 08 - See Notes (Building, Heavy, Highway)	5/1/2024		\$30.43	\$19.49	\$49.92
Operators (Heavy, Class 01 - See Notes)	5/1/2016		\$32.16	\$22.64	\$54.80
Operators (Heavy, Class 01 - See Notes)	5/1/2017		\$33.80	\$24.16	\$57.96
Operators (Heavy, Class 01 - See Notes)	5/1/2018		\$35.35	\$24.61	\$59.96
Operators (Heavy, Class 01 - See Notes)	5/1/2019		\$35.35	\$26.61	\$61.96
Operators (Heavy, Class 01 - See Notes)	5/1/2020		\$36.90	\$27.06	\$63.96
Operators (Heavy, Class 01 - See Notes)	5/1/2021		\$38.44	\$27.52	\$65.96
Operators (Heavy, Class 01A - See Notes)	5/1/2017		\$36.05	\$24.82	\$60.87
Operators (Heavy, Class 01A - See Notes)	5/1/2018		\$37.60	\$25.27	\$62.87
Operators (Heavy, Class 01A - See Notes)	5/1/2019		\$37.60	\$27.27	\$64.87
Operators (Heavy, Class 01A - See Notes)	5/1/2020		\$39.14	\$27.73	\$66.87
Operators (Heavy, Class 01A - See Notes)	5/1/2021		\$40.69	\$28.18	\$68.87
Operators (Heavy, Class 02 - See Notes)	5/1/2017		\$33.52	\$24.07	\$57.59
Operators (Heavy, Class 02 - See Notes)	5/1/2018		\$35.07	\$24.52	\$59.59
Operators (Heavy, Class 02 - See Notes)	5/1/2019		\$35.07	\$26.52	\$61.59
Operators (Heavy, Class 02 - See Notes)	5/1/2020		\$36.61	\$26.98	\$63.59
Operators (Heavy, Class 02 - See Notes)	5/1/2021		\$38.16	\$27.43	\$65.59
Operators (Heavy, Class 02A - See Notes)	5/1/2017		\$35.78	\$24.72	\$60.50
Operators (Heavy, Class 02A - See Notes)	5/1/2018		\$37.32	\$25.19	\$62.51
Operators (Heavy, Class 02A - See Notes)	5/1/2019		\$37.32	\$27.19	\$64.51
Operators (Heavy, Class 02A - See Notes)	5/1/2020		\$38.87	\$27.64	\$66.51
Operators (Heavy, Class 02A - See Notes)	5/1/2021		\$40.41	\$28.10	\$68.51
Operators (Heavy, Class 03 - See Notes)	5/1/2017		\$30.60	\$23.21	\$53.81
Operators (Heavy, Class 03 - See Notes)	5/1/2018		\$32.15	\$23.66	\$55.81
Operators (Heavy, Class 03 - See Notes)	5/1/2019		\$32.15	\$25.66	\$57.81
Operators (Heavy, Class 03 - See Notes)	5/1/2020		\$33.69	\$26.12	\$59.81
Operators (Heavy, Class 03 - See Notes)	5/1/2021		\$35.24	\$26.57	\$61.81
Operators (Heavy, Class 04 - See Notes)	5/1/2017		\$29.47	\$22.88	\$52.35
Operators (Heavy, Class 04 - See Notes)	5/1/2018		\$31.01	\$23.32	\$54.33
Operators (Heavy, Class 04 - See Notes)	5/1/2019		\$31.01	\$25.33	\$56.34
Operators (Heavy, Class 04 - See Notes)	5/1/2020		\$32.55	\$25.79	\$58.34
Operators (Heavy, Class 04 - See Notes)	5/1/2021		\$34.10	\$26.24	\$60.34
Operators (Heavy, Class 05 - See Notes)	5/1/2017		\$29.02	\$22.74	\$51.76
Operators (Heavy, Class 05 - See Notes)	5/1/2018		\$30.56	\$23.20	\$53.76

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Heavy, Class 05 - See Notes)	5/1/2019		\$30.56	\$25.20	\$55.76
Operators (Heavy, Class 05 - See Notes)	5/1/2020		\$32.11	\$25.65	\$57.76
Operators (Heavy, Class 05 - See Notes)	5/1/2021		\$33.65	\$26.11	\$59.76
Operators (Heavy, Class 06 - See Notes)	5/1/2017		\$28.14	\$22.49	\$50.63
Operators (Heavy, Class 06 - See Notes)	5/1/2018		\$29.68	\$22.93	\$52.61
Operators (Heavy, Class 06 - See Notes)	5/1/2019		\$29.68	\$24.94	\$54.62
Operators (Heavy, Class 06 - See Notes)	5/1/2020		\$31.23	\$25.39	\$56.62
Operators (Heavy, Class 06 - See Notes)	5/1/2021		\$32.77	\$25.84	\$58.61
Operators (Heavy, Class 07A - See Notes)	5/1/2017		\$40.73	\$27.63	\$68.36
Operators (Heavy, Class 07A - See Notes)	5/1/2018		\$42.58	\$28.18	\$70.76
Operators (Heavy, Class 07A - See Notes)	5/1/2019		\$42.89	\$30.27	\$73.16
Operators (Heavy, Class 07A - See Notes)	5/1/2020		\$44.74	\$30.82	\$75.56
Operators (Heavy, Class 07A - See Notes)	5/1/2021		\$46.59	\$31.37	\$77.96
Operators (Heavy, Class 07B - See Notes)	5/1/2017		\$40.38	\$27.53	\$67.91
Operators (Heavy, Class 07B - See Notes)	5/1/2018		\$42.23	\$28.09	\$70.32
Operators (Heavy, Class 07B - See Notes)	5/1/2019		\$42.54	\$30.17	\$72.71
Operators (Heavy, Class 07B - See Notes)	5/1/2020		\$44.39	\$30.72	\$75.11
Operators (Heavy, Class 07B - See Notes)	5/1/2021		\$46.25	\$31.26	\$77.51
Operators (Highway, Class 01 - See Notes)	5/1/2016		\$32.16	\$22.64	\$54.80
Operators (Highway, Class 01 - See Notes)	5/1/2017		\$32.93	\$23.87	\$56.80
Operators (Highway, Class 01 - See Notes)	5/1/2018		\$34.47	\$24.33	\$58.80
Operators (Highway, Class 01 - See Notes)	5/1/2019		\$34.47	\$26.33	\$60.80
Operators (Highway, Class 01 - See Notes)	5/1/2020		\$37.56	\$25.24	\$62.80
Operators (Highway, Class 01 - See Notes)	5/1/2021		\$39.10	\$25.70	\$64.80
Operators (Highway, Class 01a - See Notes)	5/1/2017		\$35.18	\$24.56	\$59.74
Operators (Highway, Class 01a - See Notes)	5/1/2018		\$36.72	\$25.01	\$61.73
Operators (Highway, Class 01a - See Notes)	5/1/2019		\$36.72	\$27.01	\$63.73
Operators (Highway, Class 01a - See Notes)	5/1/2020		\$39.81	\$25.92	\$65.73
Operators (Highway, Class 01a - See Notes)	5/1/2021		\$41.35	\$26.38	\$67.73
Operators (Highway, Class 02 - See Notes)	5/1/2016		\$30.98	\$22.31	\$53.29
Operators (Highway, Class 02 - See Notes)	5/1/2017		\$31.75	\$23.53	\$55.28
Operators (Highway, Class 02 - See Notes)	5/1/2018		\$33.30	\$23.98	\$57.28
Operators (Highway, Class 02 - See Notes)	5/1/2019		\$33.29	\$25.99	\$59.28
Operators (Highway, Class 02 - See Notes)	5/1/2020		\$36.38	\$24.90	\$61.28
Operators (Highway, Class 02 - See Notes)	5/1/2021		\$37.93	\$25.35	\$63.28
Operators (Highway, Class 03 - See Notes)	5/1/2016		\$30.28	\$22.10	\$52.38
Operators (Highway, Class 03 - See Notes)	5/1/2017		\$31.06	\$23.32	\$54.38
Operators (Highway, Class 03 - See Notes)	5/1/2018		\$32.59	\$23.80	\$56.39
Operators (Highway, Class 03 - See Notes)	5/1/2019		\$32.59	\$25.79	\$58.38
Operators (Highway, Class 03 - See Notes)	5/1/2020		\$35.69	\$24.69	\$60.38
Operators (Highway, Class 03 - See Notes)	5/1/2021		\$37.23	\$25.16	\$62.39
Operators (Highway, Class 04 - See Notes)	5/1/2016		\$29.82	\$21.98	\$51.80
Operators (Highway, Class 04 - See Notes)	5/1/2017		\$30.60	\$23.20	\$53.80
Operators (Highway, Class 04 - See Notes)	5/1/2018		\$32.14	\$23.66	\$55.80

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Operators (Highway, Class 04 - See Notes)	5/1/2019		\$32.14	\$25.66	\$57.80
Operators (Highway, Class 04 - See Notes)	5/1/2020		\$35.23	\$24.57	\$59.80
Operators (Highway, Class 04 - See Notes)	5/1/2021		\$36.77	\$25.03	\$61.80
Operators (Highway, Class 05 - See Notes)	5/1/2016		\$29.31	\$21.83	\$51.14
Operators (Highway, Class 05 - See Notes)	5/1/2017		\$30.08	\$23.06	\$53.14
Operators (Highway, Class 05 - See Notes)	5/1/2018		\$31.63	\$23.51	\$55.14
Operators (Highway, Class 05 - See Notes)	5/1/2019		\$31.63	\$25.51	\$57.14
Operators (Highway, Class 05 - See Notes)	5/1/2020		\$34.72	\$24.42	\$59.14
Operators (Highway, Class 05 - See Notes)	5/1/2021		\$36.26	\$24.87	\$61.13
Operators (Highway, Class 06 - See Notes)	5/1/2016		\$32.40	\$22.70	\$55.10
Operators (Highway, Class 06 - See Notes)	5/1/2017		\$33.17	\$23.94	\$57.11
Operators (Highway, Class 06 - See Notes)	5/1/2018		\$34.71	\$24.39	\$59.10
Operators (Highway, Class 06 - See Notes)	5/1/2019		\$34.71	\$26.39	\$61.10
Operators (Highway, Class 06 - See Notes)	5/1/2020		\$36.25	\$26.85	\$63.10
Operators (Highway, Class 06 - See Notes)	5/1/2021		\$39.33	\$25.78	\$65.11
Operators (Highway, Class 06/A - See Notes)	5/1/2016		\$34.65	\$23.36	\$58.01
Operators (Highway, Class 06/A - See Notes)	5/1/2017		\$35.42	\$24.59	\$60.01
Operators (Highway, Class 06/A - See Notes)	5/1/2018		\$36.96	\$25.05	\$62.01
Operators (Highway, Class 06/A - See Notes)	5/1/2019		\$36.96	\$27.05	\$64.01
Operators (Highway, Class 06/A - See Notes)	5/1/2020		\$40.04	\$25.97	\$66.01
Operators (Highway, Class 06/A - See Notes)	5/1/2021		\$41.58	\$26.43	\$68.01
Operators (Highway, Class 07/A - See Notes)	5/1/2016		\$38.56	\$25.99	\$64.55
Operators (Highway, Class 07/A - See Notes)	5/1/2017		\$39.66	\$27.31	\$66.97
Operators (Highway, Class 07/A - See Notes)	5/1/2018		\$41.52	\$27.84	\$69.36
Operators (Highway, Class 07/A - See Notes)	5/1/2019		\$41.82	\$29.95	\$71.77
Operators (Highway, Class 07/A - See Notes)	5/1/2020		\$45.23	\$28.94	\$74.17
Operators (Highway, Class 07/A - See Notes)	5/1/2021		\$47.08	\$29.49	\$76.57
Operators (Highway, Class 07/B - See Notes)	5/1/2016		\$37.17	\$25.57	\$62.74
Operators (Highway, Class 07/B - See Notes)	5/1/2017		\$38.25	\$26.89	\$65.14
Operators (Highway, Class 07/B - See Notes)	5/1/2018		\$40.10	\$27.44	\$67.54
Operators (Highway, Class 07/B - See Notes)	5/1/2019		\$40.41	\$29.53	\$69.94
Operators (Highway, Class 07/B - See Notes)	5/1/2020		\$43.81	\$28.53	\$72.34
Operators (Highway, Class 07/B - See Notes)	5/1/2021		\$45.66	\$29.08	\$74.74
Painters Class 2 (see notes)	5/1/2020		\$31.81	\$20.43	\$52.24
Painters Class 2 (see notes)	5/1/2021		\$32.41	\$21.08	\$53.49
Painters Class 3 (see notes)	5/1/2019		\$37.31	\$19.78	\$57.09
Painters Class 3 (see notes)	5/1/2020		\$37.91	\$20.43	\$58.34
Painters Class 3 (see notes)	5/1/2021		\$38.51	\$21.08	\$59.59
Piledrivers	5/1/2021		\$43.73	\$37.99	\$81.72
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2017		\$40.98	\$32.53	\$73.51
Steamfitters (Heavy and Highway - Gas Distribution)	5/1/2020		\$45.35	\$36.93	\$82.28
Truckdriver class 1(see notes)	5/1/2015		\$32.57	\$0.00	\$32.57
Truckdriver class 1(see notes)	5/1/2016		\$33.57	\$0.00	\$33.57
Truckdriver class 1(see notes)	5/1/2017		\$34.47	\$0.00	\$34.47

**BUREAU OF LABOR LAW COMPLIANCE
PREVAILING WAGES PROJECT RATES**

Project: 21-06004 - Heavy/Highway	Effective Date	Expiration Date	Hourly Rate	Fringe Benefits	Total
Truckdriver class 1(see notes)	5/1/2018		\$35.32	\$0.00	\$35.32
Truckdriver class 1(see notes)	5/1/2019		\$36.12	\$0.00	\$36.12
Truckdriver class 1(see notes)	5/1/2019		\$36.19	\$0.00	\$36.19
Truckdriver class 1(see notes)	5/1/2020		\$36.92	\$10.73	\$47.65
Truckdriver class 1(see notes)	5/1/2021		\$37.72	\$11.02	\$48.74
Truckdriver class 2 (see notes)	5/1/2015		\$32.64	\$0.00	\$32.64
Truckdriver class 2 (see notes)	5/1/2016		\$33.64	\$0.00	\$33.64
Truckdriver class 2 (see notes)	5/1/2017		\$34.54	\$0.00	\$34.54
Truckdriver class 2 (see notes)	5/1/2018		\$35.39	\$0.00	\$35.39
Truckdriver class 2 (see notes)	5/1/2020		\$37.48	\$10.73	\$48.21
Truckdriver class 2 (see notes)	5/1/2020		\$36.99	\$10.73	\$47.72
Truckdriver class 2 (see notes)	5/1/2021		\$38.28	\$11.02	\$49.30
Truckdriver class 2 (see notes)	5/1/2021		\$37.79	\$11.02	\$48.81
Truckdriver class 3 (see notes)	5/1/2015		\$33.13	\$0.00	\$33.13
Truckdriver class 3 (see notes)	5/1/2016		\$34.13	\$0.00	\$34.13
Truckdriver class 3 (see notes)	5/1/2017		\$35.03	\$0.00	\$35.03
Truckdriver class 3 (see notes)	5/1/2018		\$35.88	\$0.00	\$35.88
Truckdriver class 3 (see notes)	5/1/2019		\$36.68	\$0.00	\$36.68

ATTACHMENT “I”

CONTRACTURAL AGREEMENT

**STANDARD FORM OF AGREEMENT
BETWEEN OWNER AND CONTRACTOR
ON THE BASIS OF A STIPULATED PRICE**

THIS AGREEMENT is by and between : Coopersburg Borough _____

(hereinafter called OWNER) and _____

(hereinafter called CONTRACTOR).

OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 - WORK

1.01 CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

BID FOR THE CONSTRUCTION OF THE PHASE 1B STREETScape PROJECT

ARTICLE 2 - THE PROJECT

2.01 The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows:

The successful bidder shall provide all equipment, material transportation, labor, supervision, and insurances to complete safe, thorough and good workmanlike construction of the improvements indicated on the approved plans in accordance with the bid (the "Bid").

ARTICLE 3 - ENGINEER

3.01 Michael Baker International, Inc. who is hereinafter called ENGINEER and who is to act as OWNER's representative, assume all duties and responsibilities, and have the rights and authority assigned to ENGINEER in the Contract Documents in connection with the completion of the Work in accordance with the Contract Documents.

ARTICLE 4 - CONTRACT TIMES

4.01 Time of the Essence

A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 Dates for Substantial Completion and Final Payment

A. The Work will be substantially completed on or before August 15, 2022 and completed and ready for final payment in accordance with the General Conditions on or before August 29, 2022.

ARTICLE 5 - CONTRACT PRICE

5.01 OWNER shall pay CONTRACTOR for completion of the Work in accordance with the Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to paragraphs 5.01.A below:

A. For all Work, other than Unit Price Work, a Lump Sum as follows:

All specific cash allowances are included in the above price and have been computed in accordance with the General Conditions of the Bid.

B. For all Work, at the prices stated in CONTRACTOR's, attached hereto as an exhibit:

ARTICLE 6 - PAYMENT PROCEDURES

6.01 Submittal and Processing of Payments

A. CONTRACTOR shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by ENGINEER as provided in the General Conditions.

6.02 *Final Payment*

A. Upon final completion and acceptance of the Work in accordance with the General Conditions, OWNER shall pay the Contract Price as provided in the Bid, subject to approval of the Work by the ENGINEER.

ARTICLE 7 – Section omitted

ARTICLE 8 - CONTRACTOR'S REPRESENTATIONS

8.01 In order to induce OWNER to enter into this Agreement CONTRACTOR makes the following representations:

A. CONTRACTOR has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.

B. CONTRACTOR has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. CONTRACTOR is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.

D. CONTRACTOR has obtained and carefully studied (or assumes responsibility for having done so) all examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by CONTRACTOR, including applying the specific means, methods, techniques, sequences, and procedures of construction, if any, expressly required by the Contract Documents to be employed by CONTRACTOR, and safety precautions and programs incident thereto

E. CONTRACTOR does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.

F. CONTRACTOR is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Contract Documents.

G. CONTRACTOR has correlated the information known to CONTRACTOR, information and observations obtained from visits to the Site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.

H. CONTRACTOR has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that CONTRACTOR has discovered in the Contract Documents, and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR.

I. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 9 - CONTRACT DOCUMENTS

9.01 *Contents*

A. The Contract Documents consist of the following: (Full Bid documents incorporated by Reference)

1. This Agreement (pages 1 to _____, inclusive);
2. Performance Bond (pages _____ to _____, inclusive);
3. Payment Bond (pages _____ to _____, inclusive);
4. Other Bonds (pages _____ to _____, inclusive);
 - a. _____ (pages _____ to _____, inclusive);
 - b. _____ (pages _____ to _____, inclusive);
 - c. _____ (pages _____ to _____, inclusive);
5. General Conditions (pages _____ to _____, inclusive);
6. Supplementary Conditions (pages _____ to _____, inclusive);
7. Specifications as listed in the table of contents of the Project Manual;
8. Drawings consisting of a cover sheet and sheets numbered _____ through _____, inclusive, with each sheet bearing the following general title: _____;
9. Addenda (numbers _____ to _____, inclusive);
10. Exhibits to this Agreement (enumerated as follows):
 - a. Notice to Proceed (pages _____ to _____, inclusive);
 - b. CONTRACTOR's Bid (pages _____ to _____, inclusive);
 - c. Documentation submitted by CONTRACTOR prior to Notice of Award (pages _____ to _____, inclusive);
 - d. _____;
11. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
 - a. Written Amendments;
 - b. Work Change Directives;
 - c. Change Order(s).

B. The documents listed in paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).

C. There are no Contract Documents other than those listed above in this Article 9.

D. The Contract Documents may only be amended, modified, or supplemented as provided in paragraph 3.05 of the General Conditions.

ARTICLE 10 - MISCELLANEOUS

10.01 *Terms*

A. Terms used in this Agreement will have the meanings indicated in the General Conditions.

10.02 *Assignment of Contract*

A. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

10.03 *Successors and Assigns*

A. OWNER and CONTRACTOR each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

10.04 *Severability*

A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon OWNER and CONTRACTOR, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

IN WITNESS WHEREOF, OWNER and CONTRACTOR have signed this Agreement in duplicate. One counterpart each has been delivered to OWNER and CONTRACTOR. All portions of the Contract Documents have been signed or identified by OWNER and CONTRACTOR or on their behalf.

This Agreement will be effective on _____, _____ (which is the Effective Date of the Agreement).

OWNER:

CONTRACTOR:

Coopersburg Borough

By: _____

By: _____

[CORPORATE SEAL]

[CORPORATE SEAL]

Attest _____

Attest _____

Address for giving notices:

Address for giving notices:

Coopersburg Borough

5 N. Main Street

Coopersburg, PA 18036

License No. _____
(Where applicable)

Agent for service of process: _____

(If CONTRACTOR is a corporation or a partnership, attach evidence of authority to sign.)

Designated Representative:

Designated Representative:

Name: Timothy Paashaus _____

Name: _____

Title: Borough Manager _____

Title: _____

Address: 5 N. Main Street _____

Address: _____

Coopersburg, PA 18036

Phone: 610 282 3307 _____

Phone: _____

Facsimile: _____

Facsimile: _____

ATTACHMENT “J”

PROJECT CONSTRUCTION PLANS

17-AUG-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		2 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND

-  PLAN VIEW SHEET NUMBER
-  SHEET LIMIT
- PC POINT OF CURVATURE
- PT POINT OF TANGENT
- PI POINT OF INTERSECTION
- POT POINT ON TANGENT

TABULATION OF SEGMENT EQUALITIES ON SR 2045

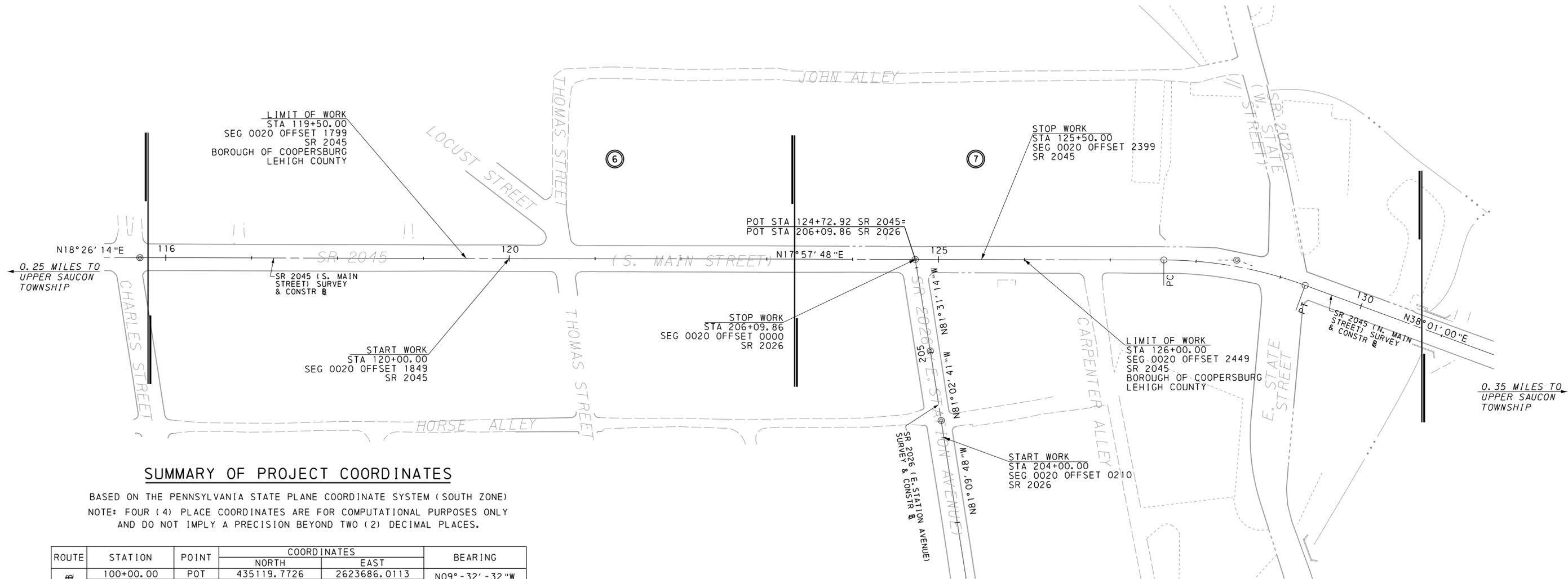
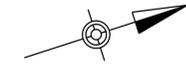
SEGMENT 0020 OFFSET 1799 = 119+50.00
 SEGMENT 0020 OFFSET 1849 = 120+00.00
 SEGMENT 0020 OFFSET 2399 = 125+50.00
 SEGMENT 0020 OFFSET 2449 = 126+00.00

TABULATION OF SEGMENT EQUALITIES ON SR 2026

SEGMENT 0020 OFFSET 0000 = 206+09.86
 SEGMENT 0020 OFFSET 0210 = 204+00.00

STATION EQUALITIES
NONE

INDEX OF DRAWINGS	
DESCRIPTION	SHEET
TITLE SHEET	1
INDEX MAP, GEOMETRIC PLAN	2
LOCATION MAP, GENERAL NOTES	3
TYPICAL SECTIONS	4
DETAIL	5
PLAN SHEETS	6-7
TRAFFIC CONTROL PLAN	8
SIGNING AND PAVEMENT MARKING PLAN	9-11



SUMMARY OF PROJECT COORDINATES

BASED ON THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SOUTH ZONE)
 NOTE: FOUR (4) PLACE COORDINATES ARE FOR COMPUTATIONAL PURPOSES ONLY
 AND DO NOT IMPLY A PRECISION BEYOND TWO (2) DECIMAL PLACES.

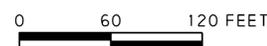
ROUTE	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
SR 2045 (S. MAIN STREET) SURVEY & CONSTR	100+00.00	POT	435119.7726	2623686.0113	N09°-32'-32"W
	102+26.93	PI	435343.5635	2623648.3916	
	104+08.85	PC	435523.2123	2623619.7274	N09°-03'-56"W
	105+56.47	PI	435668.9874	2623596.4679	
	106+98.34	PT	435808.9138	2623643.5000	N18°-34'-43"E
	110+78.49	PI	436169.2533	2623764.6177	
	115+69.86	PI	436635.4048	2623920.0228	N18°-26'-14"E
	127+62.49	PC	437769.8930	2624287.8390	N17°-57'-48"E
	128+47.36	PI	437850.6230	2624314.0128	
	129+30.49	PT	437917.4839	2624366.2815	N38°-01'-00"E
	132+38.03	PC	438159.7743	2624555.6928	
	132+57.77	PI	438175.3288	2624567.8526	
	132+77.39	PT	438192.9607	2624576.7364	N26°-44'-28"E
	133+36.03	PC	438245.3322	2624603.1235	
	133+83.98	PI	438288.1514	2624624.6977	
	134+30.90	PT	438335.8153	2624629.9006	N06°-13'-47"E
	136+04.87	PC	438508.7638	2624648.7792	
	136+99.95	PI	438603.2832	2624659.0967	
	137+93.97	PT	438697.2921	2624644.8588	N08°-36'-44"W
	139+51.85	PC	438853.3960	2624621.2164	
140+01.85	PI	438902.8315	2624613.7292		
140+51.84	PT	438951.9899	2624604.5989	N10°-31'-19"W	
154+53.09	POT	440329.6782	2624348.7170		

SUMMARY OF PROJECT COORDINATES CONT.

BASED ON THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM (SOUTH ZONE)
 NOTE: FOUR (4) PLACE COORDINATES ARE FOR COMPUTATIONAL PURPOSES ONLY
 AND DO NOT IMPLY A PRECISION BEYOND TWO (2) DECIMAL PLACES.

ROUTE	STATION	POINT	COORDINATES		BEARING
			NORTH	EAST	
SR 2026 (E. STATE STREET) SURVEY & CONSTR	200+00.00	POT	437400.8410	2624801.1704	N81°-03'-46"W
	202+38.96	PI	437437.9643	2624565.1122	
	204+20.21	PI	437465.8077	2624386.0123	N81°-09'-48"W
	205+01.96	PI	437478.5332	2624305.2582	N81°-02'-41"W
	206+09.86	POT	437494.4440	2624198.5348	N81°-31'-14"W

INDEX MAP



**INDEX SHEET
GEOMETRIC PLAN**



17-AUG-2021

E:\167248_MainSt_StreetScope\Plot\UpFront_sheets\Phase_1B\03-MSS_GeneralNotes.dgn

TABULATION OF OVERALL LENGTH

SR 2045 - STA 119+50.00 TO STA 126+00.00 = 650.00 FT = 0.123 MI

TABULATION OF CONSTRUCTION LENGTH

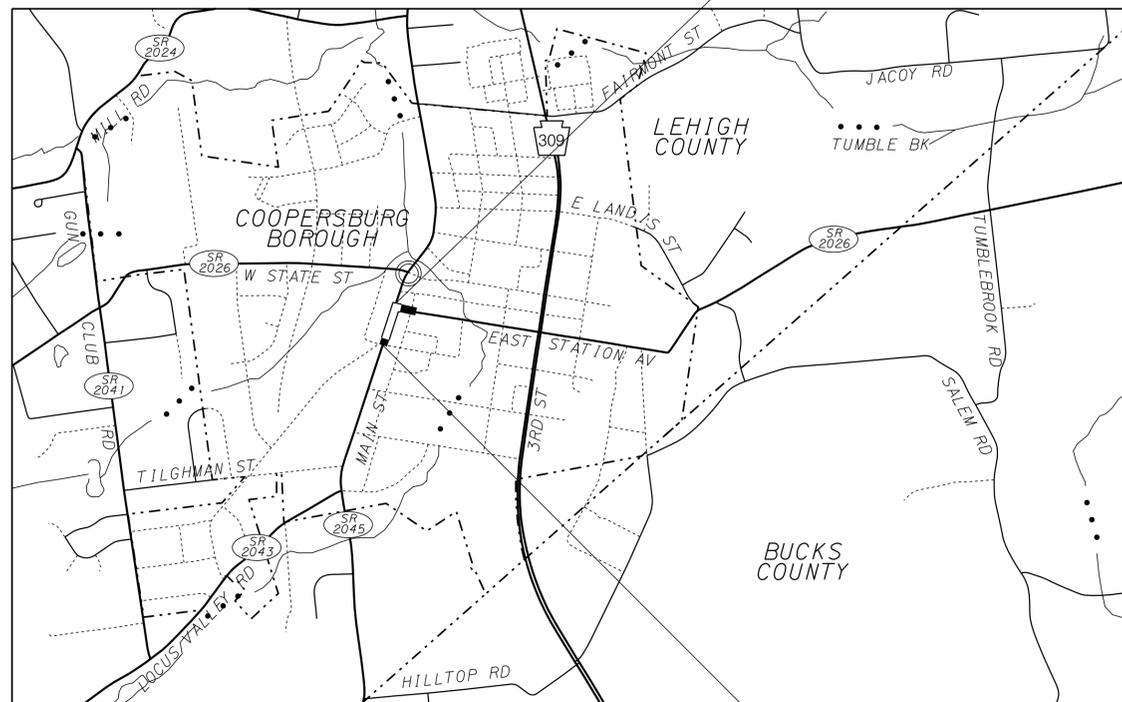
SR 2045 - STA 120+00.00 TO STA 125+50.00 = 550.00 FT = 0.104 MI
SR 2026 - STA 204+00.00 TO STA 206+09.86 = 209.86 FT = 0.040 MI

STATION EQUALITIES

NONE

LIMIT OF WORK

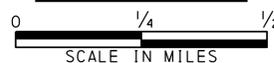
STA 126+00.00
SEG 0020 OFF 2449
SR 2045
MAIN STREET
BOROUGH OF COOPERSBURG
LEHIGH COUNTY



LEGEND:

- PROJECT
- STATE ROAD
- COUNTY STREETS
- BOROUGH/PRIVATE STREETS
- TOWNSHIP/BOROUGH/COUNTY BOUNDARY
- WATERWAY OF US

LOCATION MAP



LIMIT OF WORK

STA 119+50.00
SEG 0020 OFF 1799
SR 2045
MAIN STREET
BOROUGH OF COOPERSBURG
LEHIGH COUNTY

GENERAL NOTES

THE EXISTING SPEED LIMIT ON S.R. 2045 IS 30 M.P.H. THE EXISTING SPEED LIMIT ON S.R. 2026 IS 25 M.P.H.

THE RIGHT-OF-WAY IS FREE ACCESS.

ALL WORK IN PA STATE HIGHWAY RIGHT-OF-WAY IS TO BE PERFORMED CONSISTENT WITH THE FOLLOWING:

- A. PENNDOT PUBLICATION 13M, DESIGN MANUAL PART 2 HIGHWAY DESIGN
- B. PENNDOT PUBLICATION 34, APPROVED AGGREGATE PRODUCERS (BULLETIN 14)
- C. PENNDOT PUBLICATION 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15)
- D. PENNDOT PUBLICATION 41, PRODUCERS OF BITUMINOUS MATERIALS (BULLETIN 41)
- E. PENNDOT PUBLICATION 42, PRODUCERS OF READY-MIX CONCRETE (BULLETIN 42)
- F. PENNDOT PUBLICATION 46, TRAFFIC ENGINEERING MANUAL
- G. PENNDOT PUBLICATION 72M, STANDARDS FOR ROADWAY CONSTRUCTION
- H. PENNDOT PUBLICATION 111, PAVEMENT MARKINGS AND SIGNING STANDARDS
- I. PENNDOT PUBLICATION 212, OFFICIAL TRAFFIC CONTROL DEVICES
- J. PENNDOT PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES
- K. PENNDOT PUBLICATION 408, SPECIFICATIONS

DETAILS, OTHER THAN THOSE INDICATED, ARE ON THE FOLLOWING STANDARD DRAWINGS:

- RC-10M JUN 1, 2010
- RC-20M DEC 17, 2019
- RC-28M FEB 8, 2019
- RC-45M FEB 19, 2021
- RC-46M FEB 19, 2021
- RC-64M FEB 19, 2021
- RC-67M FEB 19, 2021
- RC-70M FEB 8, 2019
- RC-72M FEB 8, 2019
- RC-80M JUN 1, 2010
- RC-81M JUN 1, 2010
- RC-83M FEB 8, 2019
- RC-84M JUN 1, 2010
- RC-91M DEC 17, 2019
- TC-8600 JUN 13, 2013
- TC-8702B JUN 13, 2013
- TC-8716 JUN 13, 2013
- TC-8717 JUN 13, 2013

P. A. STATE HIGHWAY RIGHT-OF-WAY MAY NOT BE USED FOR PARKING.

PERMITEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED STRUCTURES, FACILITIES AND DRAINAGE.

PERMITEE IS RESPONSIBLE FOR MAINTENANCE OF ALL AUTHORIZED SIGNS AND PAVEMENT MARKINGS.

IF A TRAFFIC SIGNAL IS WITHIN 500 FEET OF THE SITE, CALL THE DISTRICT TRAFFIC ENGINEER AT LEAST 3 DAYS PRIOR TO THE START OF WORK.

THIS PERMIT MAY BE RESTRICTED ON WORKING HOURS AND TIMES FOR HOLIDAYS, WEEKENDS, AND SPECIAL OR UNFORESEEN EVENTS AND WILL REQUIRE APPROVAL FROM THE COUNTY OFFICE PRIOR TO WORKING DURING THESE PERIODS.

THE PERMITEE'S CONTRACTOR SHALL SAWCUT AND REMOVE SHOULDER MATERIAL AS NECESSARY TO ENSURE THE PAVEMENT REPLACEMENT IS ADJACENT TO THE FULL-DEPTH PAVEMENT OF THE TRAVEL LANE.

FINAL APPROVAL OF THE PROPOSED SAWCUT LOCATION WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE AND WILL BE CONFIRMED AT THE PRE-CONSTRUCTION MEETING. IF THE SAWCUT MUST BE LOCATED WITHIN A TRAVEL LANE, IT WILL BE NECESSARY TO MILL AND OVERLAY THE TRAVEL LANE TO PREVENT A JOINT IN A WHEEL PATH.

THE PROPOSED PAVEMENT SECTION MUST BE AS INDICATED ON THE PLAN, OR MATCH THE EXISTING AS FOUND IN THE FIELD, WHICHEVER IS GREATER.

PRIOR TO AN OVERLAY, BITUMINOUS OR CONCRETE BASE REPAIR OR JOINT REPLACEMENT MAY BE REQUIRED. REPAIR/REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.

ALL EXISTING PAVEMENT MARKINGS WHICH ARE NO LONGER APPROPRIATE SHALL BE ERADICATED BY THE PERMITEE. THE PERMITEE SHALL PLACE ALL REQUIRED NEW PAVEMENT MARKINGS.

ALL PAVEMENT MARKINGS OTHER THAN LONGITUDINAL LINES TO BE HOT THERMOPLASTIC (PENNDOT PUBLICATION 111, TC-8600).

MATCH EXISTING PAVEMENT MARKINGS AT THE LIMITS OF WORK.

MATERIAL CERTIFICATION MUST BE PROVIDED, BY AN APPROVED MANUFACTURER LISTED IN THE DEPARTMENT'S PUBLICATION 35 (BULLETIN 15), FOR ALL MATERIALS AND STRUCTURES WITHIN THE PENNDOT RIGHT-OF-WAY.

ALL PROPOSED PEDESTRIAN FACILITIES REFLECTED ON THESE PLANS, INCLUDING THOSE THAT ARE OUTSIDE OF PENNDOT LEGAL RIGHT-OF-WAY, SHALL BE CONSTRUCTED TO COMPLY WITH THE REQUIREMENTS OF THE U.S. ACCESS BOARD, PUBLIC RIGHT-OF-WAY ACCESSIBILITY GUIDELINES (PROWAG) OF THE ACCESSIBILITY GUIDELINES OF BUILDINGS AND FACILITIES (ADAAG). PENNDOT DESIGN MANUAL PART 2, CHAPTER 6, AND PENNDOT STANDARDS FOR ROADWAY CONSTRUCTION (PENNDOT PUBLICATION 72M, RC-67M) PROVIDE GUIDANCE ON ADA ACCESSIBLE DESIGN FOR PEDESTRIAN FACILITIES AND CAN BE UTILIZED FOR REFERENCE.

ALL SLOPE MEASUREMENTS WILL BE INSPECTED/VERIFIED WITH A 2-FOOT SMART LEVEL.

IT IS THE RESPONSIBILITY OF THE PERMITEE TO REMOVE ANY DEBRIS AND FLUSH OUT ALL EXISTING AND NEW STORM DRAINAGE FACILITIES WITHIN THE PROJECT LIMITS AT THE COMPLETION OF THE CONSTRUCTION.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		3 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

MODIFICATIONS TO THE EXISTING DRAINAGE STRUCTURES MAY RESULT IN THE NEED TO REPLACE THE STRUCTURE. REPLACEMENT WILL BE AT THE DISCRETION OF THE INSPECTOR-IN-CHARGE.

STRUCTURAL STEEL BICYCLE SAFE GRATES MUST BE PROVIDED FOR ALL INLETS WITHIN THE ROADWAY PAVEMENT OR THOSE THAT MAY RECEIVE BICYCLE TRAFFIC (PENNDOT PUBLICATION 72M, RC-45M).

THE LEGAL RIGHT-OF-WAY (BOROUGH) ON SR 2045, FROM THE SOUTHERN COOPERSBURG BOUNDARY LINE NORTH TO THE INTERSECTION OF SR 2026 (STATION 128+98.12) IS 46 FEET, BASED ON BOROUGH OF COOPERSBURG ORDINANCE NO. 8 DATED AUGUST OF 1880.

THE LEGAL RIGHT-OF-WAY (BOROUGH) ON SR 2045, FROM THE INTERSECTION OF SR 2026 (STATION 128+98.12) NORTH TO THE COOPERSBURG BOUNDARY LINE IS 42 FEET, BASED ON BOROUGH OF COOPERSBURG ORDINANCE NO. 8 DATED AUGUST OF 1880.

THE LEGAL RIGHT-OF-WAY (PENNDOT) ON SR 2045, FROM CHARLES STREET NORTH TO THE COOPERSBURG BOUNDARY LINE (STATION 148+50.21) IS 33 FEET, BASED ON THE EXISTING EDGES OF PAVEMENT AND SHOULDER WIDTH. THERE IS NO OTHER PUBLIC RECORD.

THE LEGAL RIGHT-OF-WAY ON THOMAS STREET, FROM SR 2045 EAST TO 5TH STREET (FORMERLY LINDEN STREET) IS 40 FEET, BASED ON BOROUGH OF COOPERSBURG ORDINANCE NO. 148 DATED APRIL OF 1948.

THE LEGAL RIGHT-OF-WAY ON THOMAS STREET, FROM LOCUST STREET WEST TO JOHN ALLEY IS 20 FEET, BASED ON BOROUGH OF COOPERSBURG ORDINANCE NO. 279 DATED NOVEMBER OF 1971.

THE LEGAL RIGHT-OF-WAY ON LOCUST STREET, FROM SR 2045 WEST TO TILGHMAN STREET IS 42 FEET, BASED ON BOROUGH OF COOPERSBURG ORDINANCE NO. 169 DATED FEBRUARY OF 1953.

THE LEGAL RIGHT-OF-WAY ON SR 2026, FROM SR 2045 EAST IS 40 FEET, BASED ON BOROUGH OF COOPERSBURG ORDINANCE NO. 8 DATED AUGUST OF 1880.

THE LEGAL RIGHT-OF-WAY ON CARPENTER ALLEY, FROM SR 2045 EAST FOR 590 FEET IS 20 FEET, BASED ON BOROUGH OF COOPERSBURG ORDINANCE NO. 207 DATED JUNE OF 1960.

ALL CURVE DATA IS BASED ON THE ARC DEFINITION UNLESS OTHERWISE INDICATED.

VERTICAL CONTROL IS BASED ON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

HORIZONTAL CONTROL IS BASED ON THE PENNSYLVANIA STATE PLANE COORDINATE SYSTEM SOUTH ZONE, NORTH AMERICAN DATUM (NAD) OF 1983.

DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANT, FIRE CALL BOX OR POLICE BOX.

ALL DATA PERTAINING TO EXISTING DRAINAGE FACILITIES; SUCH AS TYPE, VERTICAL LOCATION AND HORIZONTAL LOCATION, IS APPROXIMATE AND IS TO BE VERIFIED BY THE CONTRACTOR PRIOR TO ANY UTILIZATION FOR EROSION AND SEDIMENTATION CONTROL OR FOR MANAGING STORM WATER RUNOFF DURING CONSTRUCTION.

FORM CURB AROUND EXISTING ROOF DRAIN PIPES.

CURB REVEAL VARIES. CONSTRUCT CURB AT A HEIGHT THAT WILL PROVIDE A 1% TO 2% CROSS SLOPE TOWARD THE ROADWAY WHILE MATCHING THE EXISTING BACK OF SIDEWALK ELEVATION. PROVIDE GRADUAL ADA COMPLIANT TRANSITIONS AS REQUIRED. SEE CURB RAMP PLANS FOR CURB REVEALS AND SIDEWALK SLOPE AROUND INTERSECTION.

UTILITY NOTES

THE RESPONSIBILITY FOR ENSURING THAT ALL UTILITY POLES WITHIN THE PROPOSED PAVING ARE RELOCATED OUTSIDE OF PAVED AREAS AND SHOULDERS SHALL BE THAT OF THE PERMITEE. THE UTILITY POLES MUST BE RELOCATED BEFORE THE START OF, ANY PAVING OPERATIONS.

THE PERMITEE IS RESPONSIBLE FOR THE COORDINATION OF RELOCATING ANY CONFLICTING UTILITIES WHICH ARE A RESULT OF THESE IMPROVEMENTS.

ALL UTILITY RELOCATION PERMITS TAKE PRECEDENCE OVER THE UTILITY RELOCATION POSITIONS SHOWN ON THE HOP PLANS.

A LIST OF PUBLIC UTILITIES IN ACCORDANCE WITH ACT 287-1974 IS LOCATED ON THE TITLE SHEET (SHEET 1 OF 11).

EXISTING UTILITIES ARE SHOWN ON THE PLANS IN ACCORDANCE WITH THE BEST INFORMATION AVAILABLE AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CORRECTNESS AND COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED.

THE CONTRACTOR SHALL VERIFY THE INFORMATION AND SHALL TAKE ALL PRECAUTIONS TO FULLY PROTECT THE UTILITY AND SERVICE.

THREE TO TEN WORKING DAYS PRIOR TO EXCAVATION BASED ON THE COMPLEXITY OF THE PROJECT, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INC., PHONE 1-800-242-1776, SERIAL NO. ----- AND ----- FOR COOPERSBURG BOROUGH. ADDITIONAL INFORMATION IS AVAILABLE AT [HTTPS://WWW.PA1CALL.ORG/PA811/PUBLIC/](https://www.pa1call.org/pa811/public/).

IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ALL OVERHEAD LINES. NOTIFY THE UTILITY COMPANY AND COMPLY WITH THE UTILITY COMPANY'S SAFETY CLEARANCE REQUIREMENTS WHEN WORKING IN THE AREA OF THEIR FACILITIES.

THE CONTRACTOR IS REQUIRED TO NOTIFY THE DEPARTMENT AND SUBMIT AN ALLEGED VIOLATION REPORT (AVR) TO THE PA PUBLIC UTILITY COMMISSION THROUGH THE PA ONE CALL SYSTEM, WWW.PA1CALL.ORG, WITHIN TEN (10) BUSINESS DAYS AFTER A UTILITY LINE IS STRUCK, DAMAGED, OR PREVIOUS DAMAGE IS DISCOVERED AS REQUIRED BY PENNSYLVANIA'S UNDERGROUND UTILITY LINE PROTECTION LAW ACT 50 (P.L.852, NO. 287 AMENDED OCT. 30, 2017).

PA ONE CALL FOR DESIGN SERIAL NO.: 20190842931 BOROUGH OF COOPERSBURG
20190843348 BOROUGH OF COOPERSBURG

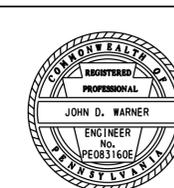
CALL BEFORE YOU DIG !

PENNSYLVANIA LAW REQUIRES
3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE
AND 10 WORKING DAYS IN DESIGN STAGE
BEFORE YOU DIG CALL
THE PA ONE CALL SYSTEM TELEPHONE NUMBER.



1-800-242-1776

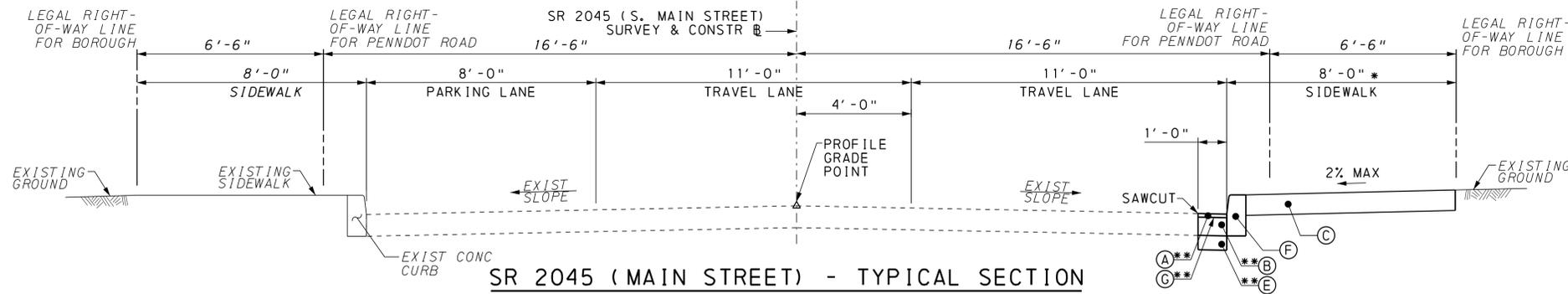
GENERAL NOTES



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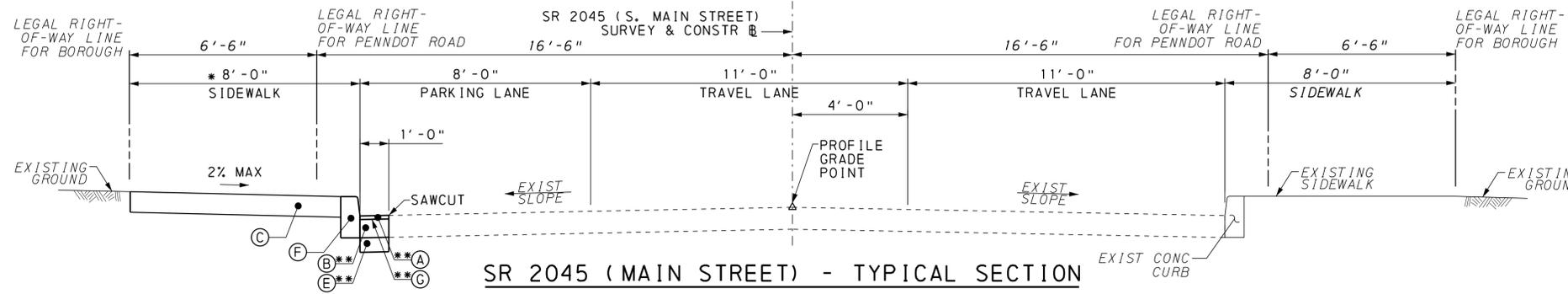
E:\167248_MainSt_StreetScope\Plot\UpFront_sheets\Phase_1B\04-MSS_Typ\cd101.dgn

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		4 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



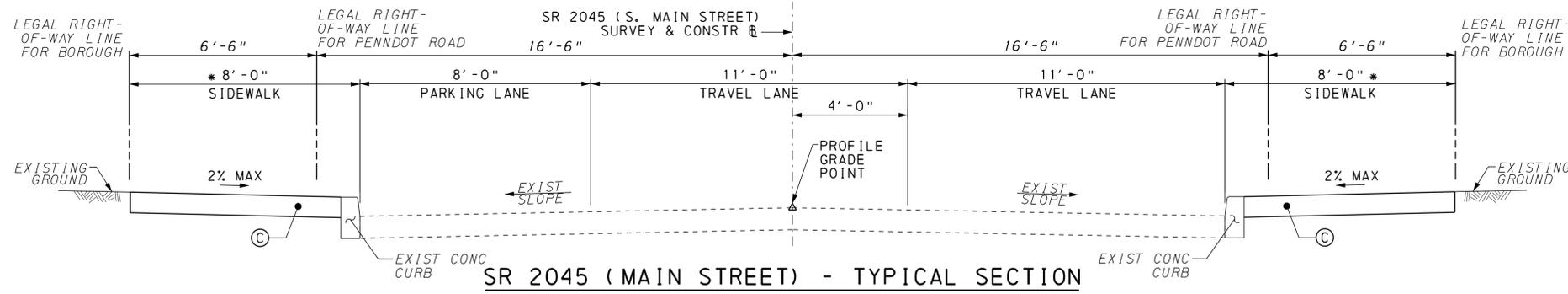
SR 2045 (MAIN STREET) - TYPICAL SECTION

NOT TO SCALE
STA 122+15 TO STA 122+97



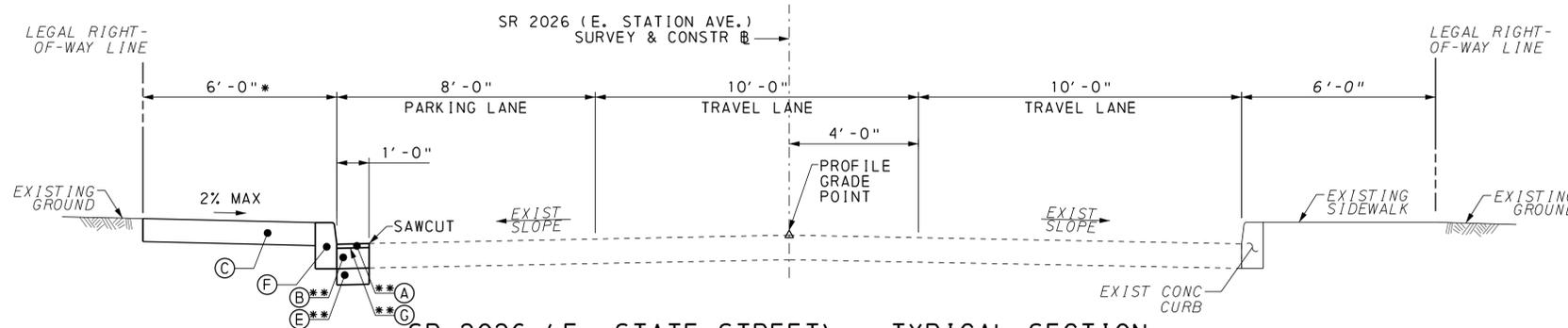
SR 2045 (MAIN STREET) - TYPICAL SECTION

NOT TO SCALE
STA 121+94 TO STA 122+15



SR 2045 (MAIN STREET) - TYPICAL SECTION

NOT TO SCALE
STA 120+93 TO STA 121+34

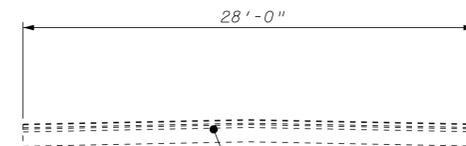


SR 2026 (E. STATE STREET) - TYPICAL SECTION

NOT TO SCALE
STA 204+40 TO STA 205+84

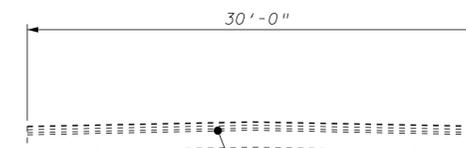
LEGEND:

- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, < 0.3 MILLION ESALS, 12.5 MM MIX, 2" DEPTH, SRL-M
- (B) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 6" DEPTH
- (C) CEMENT CONCRETE SIDEWALK, INCLUDING TOPSOIL, SEEDING, & MULCH
- (D) PLAIN CEMENT CONCRETE PAVEMENT, 8" DEPTH
- (E) SUBBASE 6" DEPTH (NO. 2A)
- (F) PLAIN CEMENT CONCRETE CURB, VARYING REVEAL
- (G) ASPHALT TACK COAT
- (H) MILLING OF ASPHALT PAVEMENT SURFACE, 2" DEPTH, MILLED MATERIAL RETAINED BY CONTRACTOR
- * SEE PLANS FOR LOCATIONS
- ** INCIDENTAL TO PLAIN CEMENT CONCRETE CURB, VARYING REVEAL



SR 2026 (E. STATION AVE.) - TYPICAL PAVEMENT SECTION

NOT TO SCALE



SR 2045 (MAIN STREET) - TYPICAL PAVEMENT SECTION

NOT TO SCALE

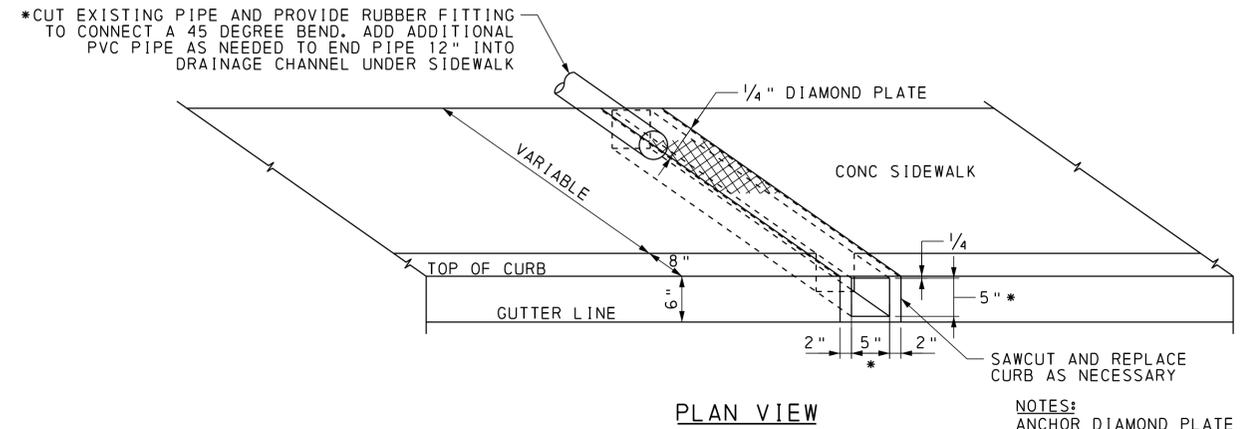
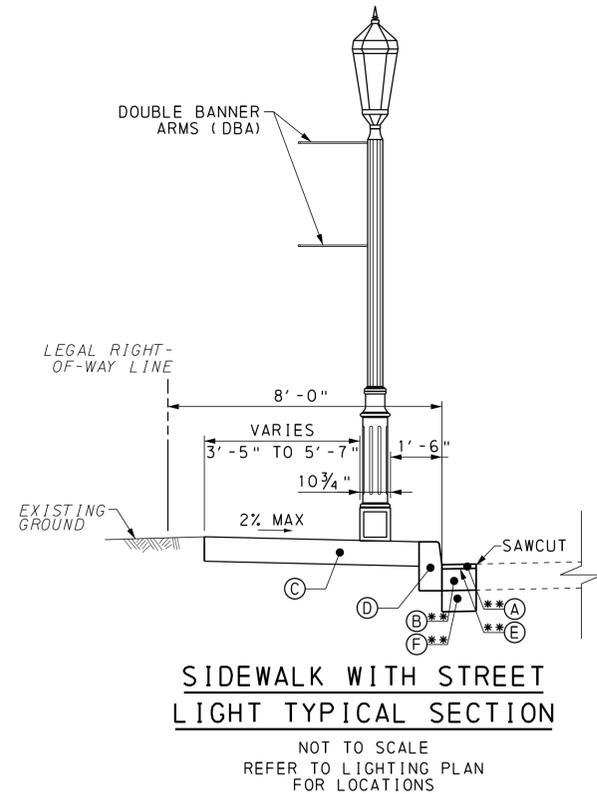
TYPICAL SECTIONS



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		5 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND:

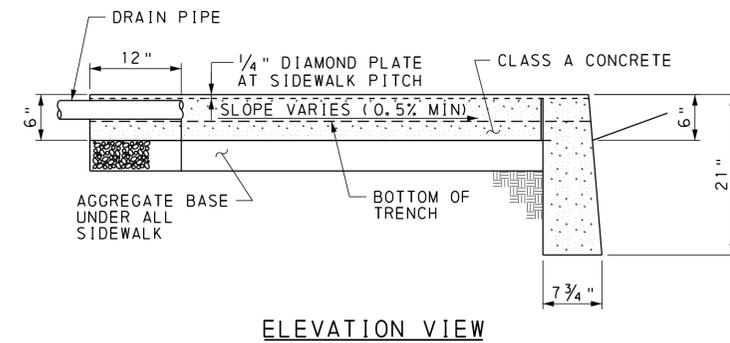
- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, < 0.3 MILLION ESALS, 12.5 MM MIX, 2" DEPTH, SRL-M
 - (B) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 6" DEPTH
 - (C) CEMENT CONCRETE SIDEWALK, INCLUDING TOPSOIL, SEEDING, & MULCH
 - (D) PLAIN CEMENT CONCRETE CURB, VARYING REVEAL
 - (E) ASPHALT TACK COAT
 - (F) SUBBASE 6" DEPTH (NO. 2A)
- ** INCIDENTAL TO PLAIN CEMENT CONCRETE CURB MODIFIED FOR VARYING REVEAL



PLAN VIEW

NOTES:
ANCHOR DIAMOND PLATE INTO SUPPORT LEDGES WITH MASONRY SCREENS AND ANCHORS

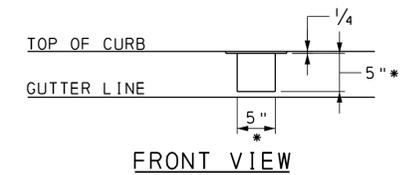
* FIELD VERIFY EXISTING PIPE SIZE AND ANGLE. ADJUST THE CHANNEL SIZE AND CURB OPENING AS NEEDED TO ACCOMMODATE THE EXISTING PIPE.



ELEVATION VIEW

SIDEWALK TRENCH DRAIN

NOT TO SCALE



FRONT VIEW

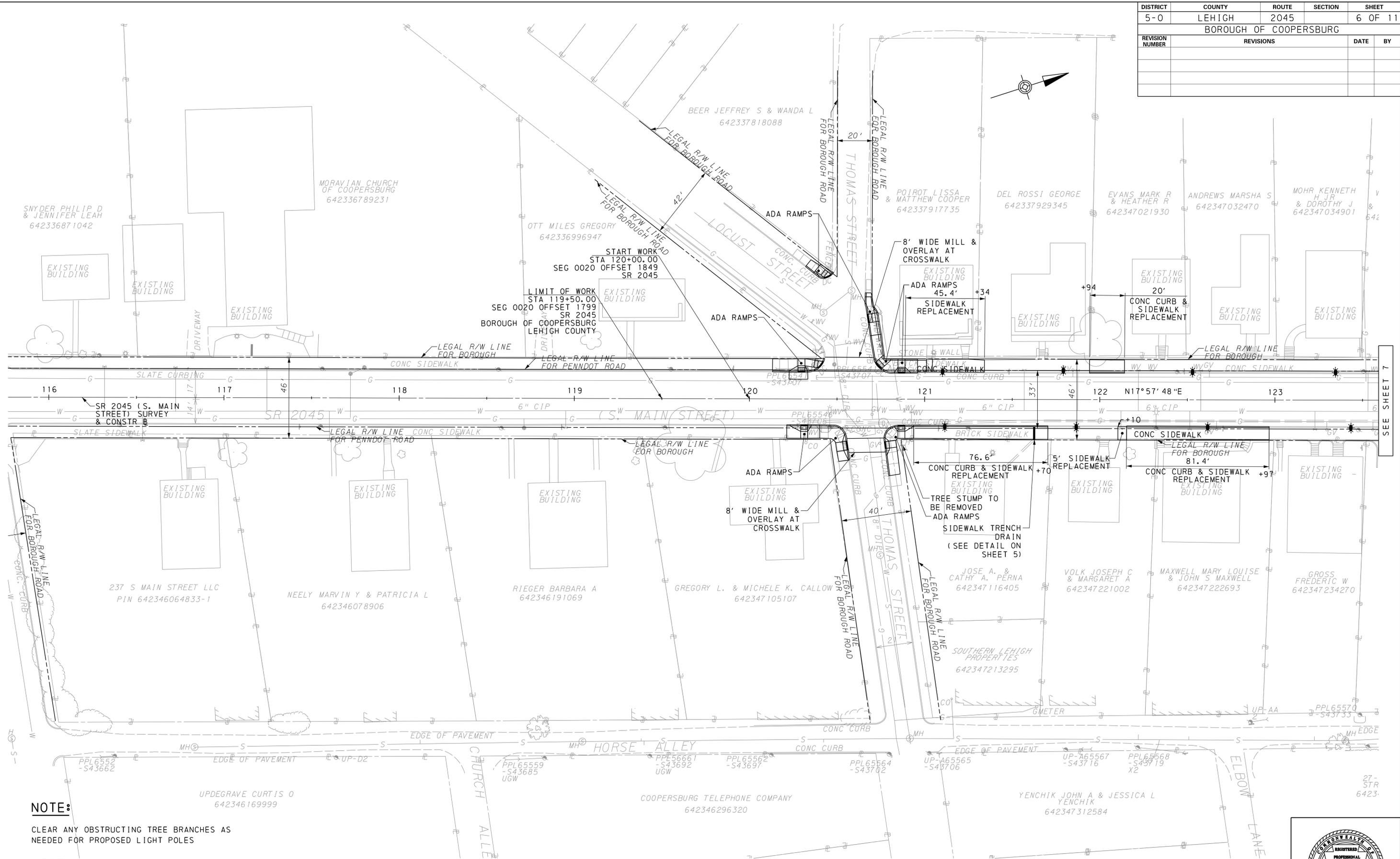
DETAILS



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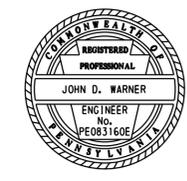
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		6 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



SEE SHEET 7

NOTE:
 CLEAR ANY OBSTRUCTING TREE BRANCHES AS NEEDED FOR PROPOSED LIGHT POLES

LEGEND:
 * PROPOSED STREET LIGHTING
 □ DETECTABLE WARNING SURFACE

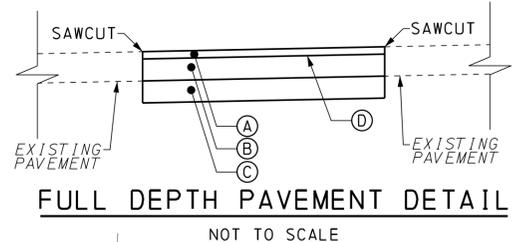


27-STR 6423

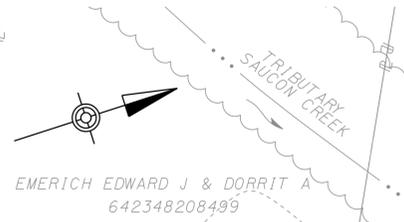
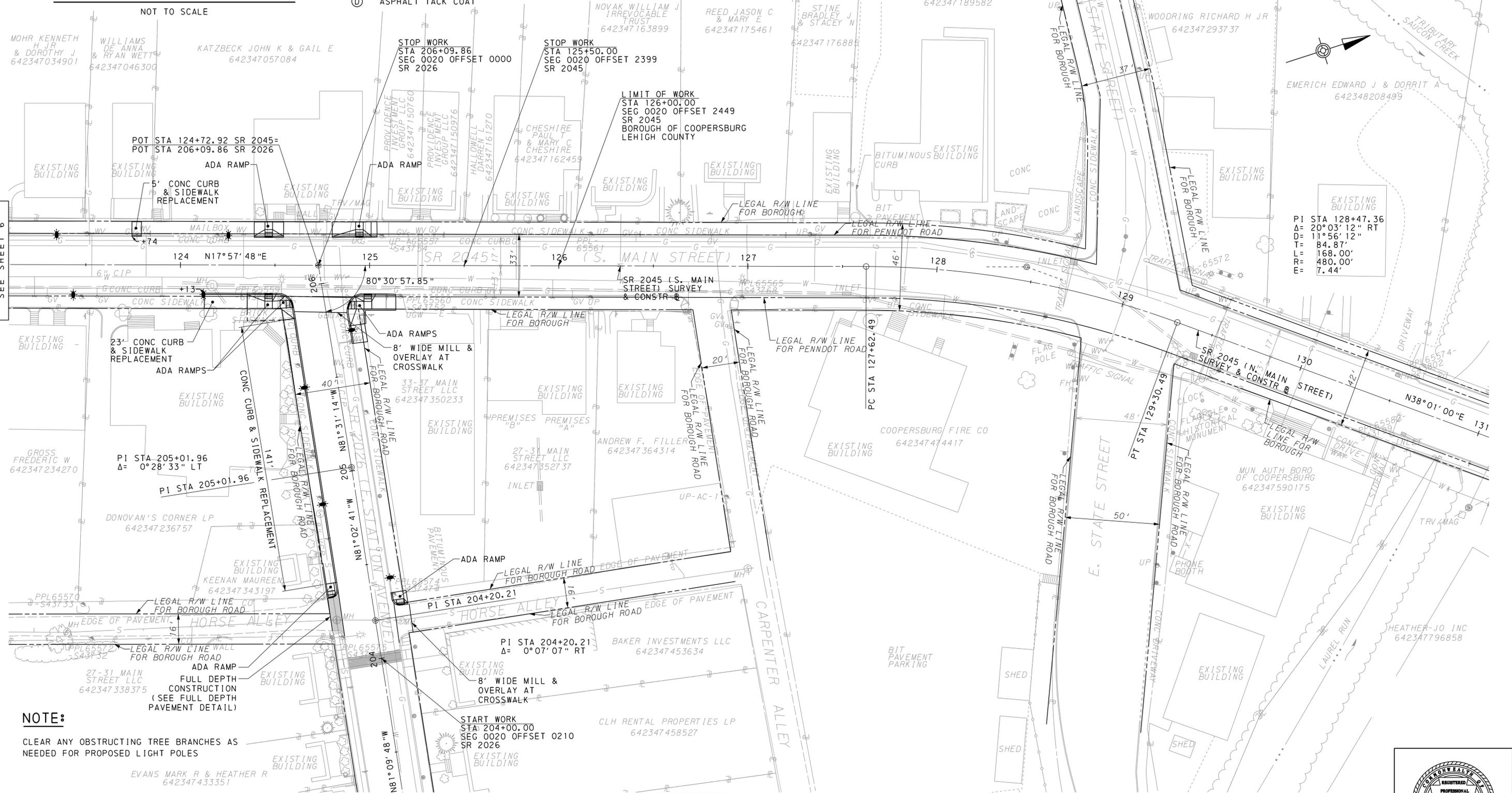
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		7 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



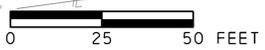
- LEGEND:**
- (A) SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, < 0.3 MILLION ESALS, 12.5 MM MIX, 2" DEPTH, SRL-M
 - (B) SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, < 0.3 MILLION ESALS, 25.0 MM MIX, 6" DEPTH
 - (C) SUBBASE 6" DEPTH (NO. 2A)
 - (D) ASPHALT TACK COAT



EXISTING BUILDING
 PI STA 128+47.36
 Δ= 20°03'12" RT
 D= 11°56'12"
 T= 84.87'
 L= 168.00'
 R= 480.00'
 E= 7.44'

NOTE:
 CLEAR ANY OBSTRUCTING TREE BRANCHES AS NEEDED FOR PROPOSED LIGHT POLES

- LEGEND:**
- ☼ PROPOSED STREET LIGHTING
 - DETECTABLE WARNING SURFACE



17-AUG-2021

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NOTES:

THIS WORK CONSISTS OF THE MAINTENANCE OF TRAFFIC AND THE PROTECTION OF THE TRAVELING PUBLIC APPROACHING THE CONSTRUCTION AREA AND WITHIN THE LIMITS OF CONSTRUCTION.

THE SAFETY FOR PEDESTRIANS WILL ALSO BE MAINTAINED AT ALL TIMES WITHIN THE LIMITS OF CONSTRUCTION AND APPROACHING THE CONSTRUCTION AREA.

FURNISH, ERECT, PLACE AND MAINTAIN TRAFFIC CONTROL SIGNS AND DEVICES AND MAINTAIN TRAFFIC DURING THE HOURS OF CONSTRUCTION AND AT ALL OTHER TIMES IN ACCORDANCE WITH THE METHODS INDICATED ON THESE DRAWINGS AND:

1. THE SPECIAL PROVISIONS OF THE CONTRACT.
2. PUBLICATION 213, TEMPORARY TRAFFIC CONTROL GUIDELINES.
3. CHAPTER 212, OFFICIAL TRAFFIC CONTROL DEVICES.
4. PADOT PUB 35, APPROVED CONSTRUCTION MATERIALS (BULLETIN 15).
5. PADOT PUB 408, SPECIFICATIONS, CURRENT VERSION.
6. PADOT PUB 111M, TRAFFIC CONTROL- PAVEMENT MARKING AND SIGNING STANDARDS.
7. PADOT PUB 236, HANDBOOK OF APPROVED SIGNS.
8. FHWA, MANUAL ON TRAFFIC CONTROL DEVICES, 2009 EDITION.

REMOVE THESE DEVICES IMMEDIATELY UPON COMPLETION OF THE WORK. PENNDOT WILL REMOVE ANY TRAFFIC CONTROL DEVICES ERECTED BY DEPARTMENT FORCES.

PERMITTEE MUST ARRANGE FOR INSPECTION OF ALL TRAFFIC CONTROL DEVICES PRIOR TO START OF WORK.

COVER OR REMOVE ALL CONFLICTING SIGNS AND ERADICATE ALL CONFLICTING PAVEMENT MARKINGS.

MOUNT ALL LONG-TERM ADVANCE WARNING SIGNS ON TYPE III BARRICADES UNLESS OTHERWISE NOTED OR INSTRUCTED BY DISTRICT OFFICE.

ALL SIGNS TO BE MAINTAINED IN NEW OR LIKE NEW CONDITION.

DRIVEWAYS WILL BE KEPT ACCESSIBLE AT ALL TIMES. LOCATE ALL SIGNS SO THAT SIGHT DISTANCES WILL NOT BE OBSTRUCTED AT DRIVEWAYS AND LOCAL ROADS.

ALL CHANNELIZING DEVICES, BARRICADES, AND SIGNS SHALL HAVE TYPE III OR BETTER PRISMATIC RETROREFLECTIVE SHEETING. SHEETING SHALL BE APPROVED AND LISTED IN PENNDOT PUBLICATION 35 (BULLETIN 15).

LANE AND SHOULDER CLOSURES ARE PERMITTED FROM 9:00 AM TO 3:00 PM DAILY MONDAY THRU FRIDAY. NO LANE CLOSURE PERMITTED FROM 3:00 PM TO 9:00 AM MONDAY THRU FRIDAY, ON WEEKENDS, OR ON LEGAL HOLIDAYS.

PERMITTEE SHALL NOTIFY LOCAL EMERGENCY (E.G., POLICE, FIRE, MEDICAL), AFFECTED BUSINESSES, SCHOOL DISTRICT(S), THE GENERAL PUBLIC, THE DISTRICT PERMIT MANAGER AND THE DISTRICT APRAS COORDINATOR AT LEAST FOURTEEN DAYS PRIOR TO ANY SIGNIFICANT TRAFFIC IMPACTS (E.G., LATERAL WIDTH RESTRICTIONS LESS THAN 16 FEET, DETOURS).

DROPOFFS CREATED BY CONSTRUCTION OPERATIONS SHALL BE TREATED CONSISTENT WITH PUBLICATION 408, SECTION 901.3(j).

REMOVE ALL SHORT-TERM WORK ZONE TRAFFIC CONTROL SIGNING UPON COMPLETION OF THAT DAY'S WORK PERIOD.

RESTRICTING TRAFFIC FLOW WITHIN THE WORK AREA SHALL BE MINIMIZED TO PREVENT TRAFFIC CONGESTION AND UNSAFE TRAFFIC CONDITIONS.

NOTIFY THE LOCAL MUNICIPALITY WHERE SIGNALIZED INTERSECTIONS FALL WITHIN THE WORK ZONE. DO NOT FLAG A SIGNALIZED INTERSECTION WITHOUT THE MUNICIPALITY PLACING THE SIGNAL ON FLASH.

THE CONTRACTOR SHALL COMPLY WITH ACT 229 OF DECEMBER 2002 DURING CONSTRUCTION ACTIVITIES WITHIN PENNDOT'S RIGHT-OF-WAY.

ALL WORK IS TO BE PERFORMED WITHIN THE LEGAL RIGHT-OF-WAY AND ACQUIRED EASEMENTS.

THE CONTRACTOR IS REMINDED THAT THIS APPROVAL IS NOT INTENDED TO RELIEVE HIM OF THE RESPONSIBILITY FOR THE PROTECTION OF THE PUBLIC AND THE CONSTRUCTION PERSONNEL. THE STANDARDS PRESCRIBED ARE MINIMUM AND ADDITIONAL PROTECTION MAY BE NEEDED IF PROBLEMS ARE ENCOUNTERED DURING THE TERM OF THE CONTRACT. CONSTANTLY REVIEW THIS PLAN FOR ADEQUACY AND TO RECOMMEND CHANGES FOR DEPARTMENT APPROVAL WHEN INADEQUACIES ARE DISCOVERED.

IMMEDIATELY UPON COMPLETION OF THE WORK, REMOVE TRAFFIC CONTROL SIGNS AND DEVICES. FOR ALL TYPE "B" MOUNTED TRAFFIC CONTROL SIGNS, PULL ANCHOR POSTS. THE DEPARTMENT WILL REMOVE ANY TRAFFIC CONTROL DEVICES ERECTED BY THE DEPARTMENT FORCES.

ALL TRAFFIC CONTROL SIGNS AND DEVICES PLACED MUST BE INSPECTED BY THE DISTRICT CONSTRUCTION ENGINEER OR HIS REPRESENTATIVE BEFORE WORK BEGINS.

THIS TRAFFIC CONTROL PLAN DOES NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY AS SPECIFIED IN SECTION 901.3(d) OF PUBLICATION NO 408.

INSTALL AND MAINTAIN THE TEMPORARY SIGNS AND TRAFFIC CONTROL DEVICES AS INDICATED ON THE TRAFFIC CONTROL PLAN AND IN ACCORDANCE WITH THE PROVISIONS OF PUBLICATION 213. ALL SIGNS ARE TO BE TYPE VII RETROREFLECTIVE SHEETING CONFORMING TO THE DEPARTMENT'S SPECIFICATION. REFLECTORIZE ALL DRUMS AND BARRICADES USED FOR TRAFFIC CONTROL USING TYPE III OR TYPE IV RETROREFLECTIVE SHEETING.

ALL ADVANCE WARNING SIGNS AND CHANNELIZING DEVICES MAY BE ADJUSTED BACK OR FORWARD DUE TO INTERSECTING STREETS, DRIVES, ETC. AND/OR AS FIELD CONDITIONS DICTATE.

PROVIDE INGRESS AND EGRESS ABILITIES TO ALL LOCAL ROADS AND DRIVEWAYS SITUATED ADJACENT TO CONSTRUCTION AREAS. TEMPORARY ADJUSTMENTS TO LOCAL ROADS AND DRIVEWAYS WILL BE INCIDENTAL TO ITEM NO 0901-0001.

CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONSTRUCTION ACTIVITIES AND MAINTENANCE AND PROTECTION OF TRAFFIC WITH ALL CONTRACTORS AND SUBCONTRACTORS OF ADJACENT CONSTRUCTION PROJECTS UNDER CONTRACT WITH THE DEPARTMENT. ALL COSTS ASSOCIATED WITH COORDINATION WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

INSTALL ALL E&S CONTROLS ACCORDING TO PLANS.

MAINTAIN 10' MINIMUM LANE WIDTH AT ALL TIMES.

NO STREET PARKING ALLOWED ADJACENT TO WORK AREAS WITHIN THE PROJECT LIMITS IN EITHER DIRECTION. RESTRICT PARKING WITH THE USE OF TEMPORARY "NO PARKING" SIGNS.

REMOVE E&S CONTROLS ONCE THE AREA IS STABLIZED.

PROTECT PEDESTRIANS FROM WORK AREA AT ALL TIMES. MATERIALS CAN NEVER BE LIFTED OVER PEDESTRIANS.

FOR WORK THAT REQUIRES CLOSURE OF HORSE ALLEY AT S.R. 2026, RESTORE ACCESS TO THE ALLEY BETWEEN EACH CONSTRUCTION SHIFT.

PEDESTRIAN FACILITIES

MAINTAIN PEDESTRIAN ACCESS TO SIDEWALKS.

MAINTAIN ACCESS TO ALL BUILDING ENTRANCES AND DRIVEWAYS. MAINTAIN ACCESS TO ALL BUS STOPS.

NOTHING SHALL BE PERMITTED TO PROTRUDE INTO THE PEDESTRIAN WALKWAY.

PEDESTRIAN WALKWAYS MUST BE A MINIMUM OF 4-FT IN WIDTH. PROVIDE MINIMUM 5-FT WIDTH WHEREVER FEASIBLE. EVERY 200-FT A 5-FT WIDE X 5-FT LONG PASSING ZONE MUST BE PROVIDED UNLESS A 5-FT WIDE WALKWAY CAN BE PROVIDED THROUGHOUT THE LENGTH.

ALL PEDESTRIAN WALKWAYS MUST HAVE A MAXIMUM CROSS-SLOPE OF 2% AND A MAXIMUM GRADIENT OF 8.33% (12:1) INCLUDING RAMP AREAS TO ROADWAYS.

WALKWAY SURFACES MUST BE STABLE AND SLIP RESISTANT. INLET GRATES AND UTILITY CASTING ARE NOT PERMITTED IN THE WALKWAYS AND CROSSWALKS BUT MAY BE COVERED WITH A SUITABLE MATERIAL MEETING AMERICANS WITH DISABILITIES ACT (ADA) AND DEPARTMENT REQUIREMENTS.

MAINTAIN IN PLACE PEDESTRIAN FACILITIES UNTIL OPENING MODIFIED PEDESTRIAN PATTERNS.

WHERE PEDESTRIANS ARE ADJACENT TO ONGOING CONSTRUCTION OR WITHIN 4-FT OF A TRAVEL LANE, PROVIDE A 4 FT FENCE BARRIER MADE OF PLASTIC OR METAL. USE METAL FENCE FOR DROP OFFS GREATER THAN 2 FEET OR AS DIRECTED BY THE INSPECTOR-IN-CHARGE.

THE PEDESTRIAN BARRIERS SHALL BE CONTINUOUS, STABLE AND NON-FLEXIBLE WITH A DETECTABLE, CONTINUOUS BOTTOM EDGE 6 INCHES ABOVE THE WALKWAY SURFACE. THE PEDESTRIAN BARRIER SHALL ALSO PROVIDE A CONTINUOUS SURFACE OR UPPER RAIL AT A 36" MINIMUM HEIGHT ABOVE THE WALKWAY SURFACE. THE RESIDENT ENGINEER MUST APPROVE THE FENCE BARRIER DESIGN PRIOR TO INSTALLATION.

CONSTRUCTION DETAILS OTHER THAN THOSE SHOWN ON THESE DRAWINGS TO CONFORM TO THE FOLLOWING STANDARD DRAWINGS:

- RC-67M DEC 17, 2019
- TC-8716 JUN 13, 2013

DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		8 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

SEQUENCE OF CONSTRUCTION:

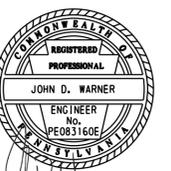
1. PLACE ALL ADVANCE ROADWAY WARNING SIGNS AND TRAFFIC CONTROL DEVICES.
2. EXCAVATE AND INSTALL STONE SUBBASE FOR AREAS OF NEW SIDEWALK AND ADA COMPLIANT CURB RAMPS. ONLY EXCAVATE AREAS THAT CAN BE STABILIZED WITH STONE SUBBASE THE SAME DAY.
3. CONSTRUCT CONCRETE CURB, SIDEWALK, AND ADA COMPLIANT CURB RAMPS AS SHOWN ON THE CONSTRUCTION PLANS.
4. MILL AND OVERLAY AREAS DESIGNATED FOR DECORATIVE IMPRINTED CROSSWALKS AS SHOWN ON THE SIGNING & PAVEMENT MARKING PLAN.
5. UTILIZE PATA FIGURES 109-A, 109-G, 110-C, AND 110-M TO INSTALL DECORATIVE IMPRINTED CROSSWALKS AND FINAL PAVEMENT MARKINGS.
6. REMOVE TEMPORARY TRAFFIC CONTROL DEVICES.

MAINTAIN LONG-TERM TRAFFIC CONTROL IN ACCORDANCE WITH PENNDOT PUBLICATION 213, PATA 201-A AND 202-A.

MAINTAIN SHORT-TERM TRAFFIC CONTROL IN ACCORDANCE WITH PENNDOT PUBLICATION 213, PATA 101-A, 102, 103, 107, 108, 109-A, 109-G, 110-C, AND 110-M.

MAINTAIN PEDESTRIAN ACCESS TO SIDEWALKS IN ACCORDANCE WITH PENNDOT PUBLICATION 213, PATA 128, 129, 130 FOR SHORT-TERM OPERATIONS AND PATA 216, 217, AND 218 FOR LONG TERM OPERATIONS.

**TRAFFIC CONTROL PLAN
GENERAL NOTES**



10/8/2021

17-AUG-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		9 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

GENERAL NOTES

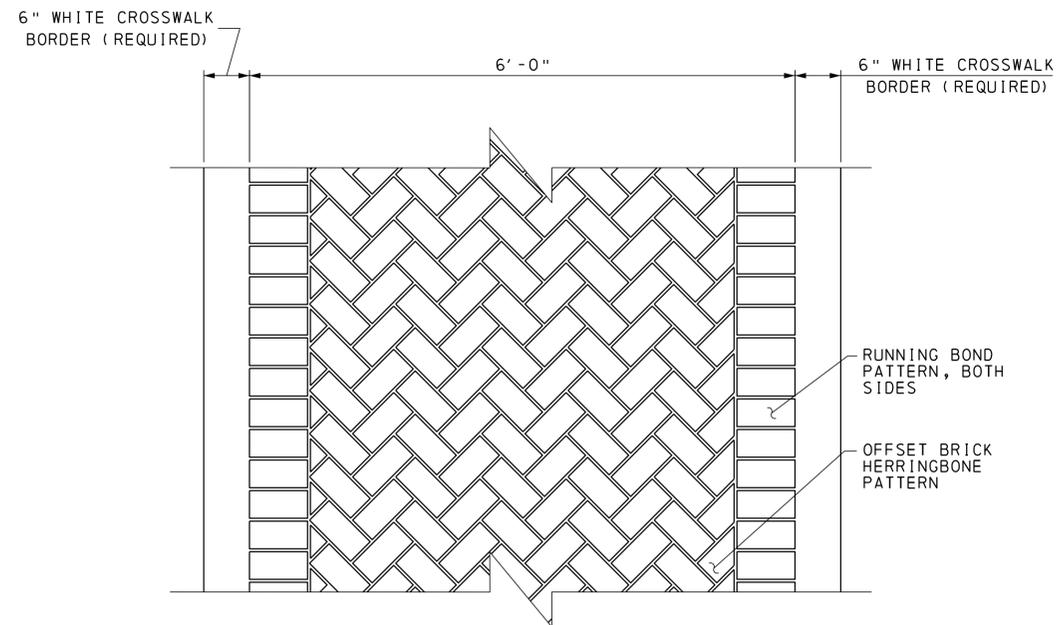
1. CONSTRUCT THIS PROJECT IN ACCORDANCE WITH PENNDOT PUBLICATION 408, LATEST EDITION, AND ALL SUPPLEMENTS AND SPECIFICATIONS.
2. ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.

SIGNING NOTES

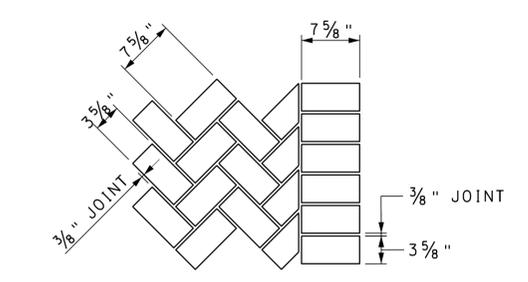
1. FOR NAMES, ADDRESSES, AND LOCATIONS OF EXISTING UTILITY FACILITIES, SEE ROADWAY CONSTRUCTION PLAN.
2. THIS PROJECT HAS BEEN DESIGNED UNDER STANDARDS ESTABLISHED IN THE FEDERAL HIGHWAY ADMINISTRATION'S MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, DATED 2009, AND ALL APPLICABLE SUPPLEMENTS.
3. PLACE ALL SIGNS ENTIRELY WITHIN THE LEGAL RIGHT-OF-WAY.
4. WHENEVER AN EXISTING UNDERGROUND UTILITY IS SHOWN ON THE DRAWINGS TO BE LOCATED IN THE IMMEDIATE VICINITY OF PROPOSED CONSTRUCTION, ITS LOCATION IS APPROXIMATE, AND THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY AND REQUEST THAT THEY FIELD LOCATE THEIR FACILITY.
5. MOUNT ALL ROADWAY SIGNS AT A MINIMUM CLEARANCE HEIGHT OF 8.0 FEET.
6. COORDINATE PLACEMENT OF SIGNS WITH THE BOROUGH OF COOPERSBURG.

PAVEMENT MARKING NOTES

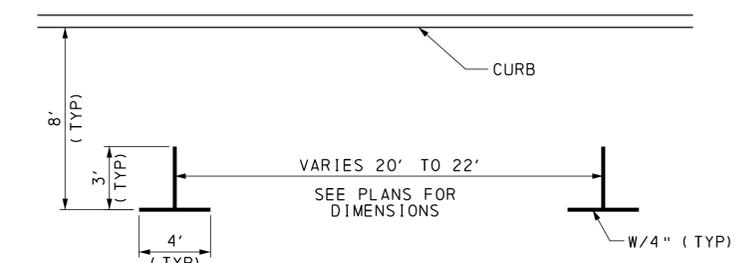
1. INSTALL PAVEMENT MARKINGS IN ACCORDANCE WITH PENNDOT TC-8600 SERIES, PAVEMENT MARKING STANDARDS AND THE FEDERAL HIGHWAY ADMINISTRATION'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" FOR STREETS AND HIGHWAYS, DATED 2009, AND ALL APPLICABLE SUPPLEMENTS, OR AS DIRECTED BY THE PENNSYLVANIA DEPT. OF TRANSPORTATION DISTRICT 5-0 ENGINEER.
2. APPLY ALL PAVEMENT MARKINGS AT THE WIDTH INDICATED.
3. ALL PAVEMENT MARKINGS AT LIMIT OF PAVING SHALL MEET EXISTING PAVEMENT MARKINGS WHERE APPLICABLE.
4. ALL EXISTING PAVEMENT MARKINGS WHICH ARE NO LONGER APPROPRIATE SHALL BE ERADICATED USING AN ERADICATION METHOD APPROVED BY A PENNDOT FIELD REPRESENTATIVE.
5. ALL PAVEMENT MARKINGS OTHER THAN LONGITUDINAL LINES TO BE HOT THERMOPLASTIC (PUBLICATION 46, CHAPTER 3).



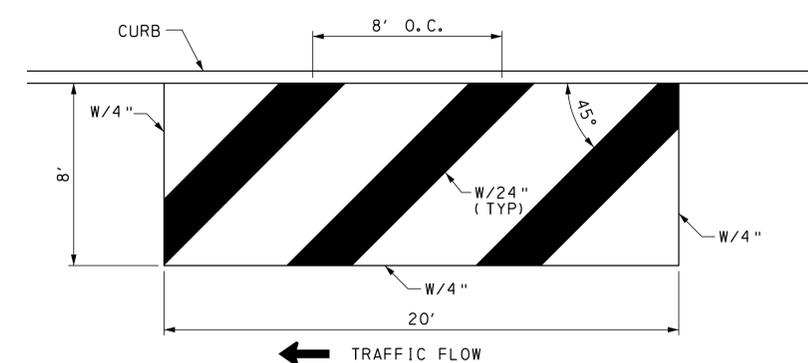
ITEM 9000-0010
DECORATIVE IMPRINTED CROSSWALK
TYPE E - HERRINGBONE, MAROON COLOR, HEAVY DUTY
 NOT TO SCALE



TYPICAL PAVER AND JOINT SIZE FOR STAMP
 NOT TO SCALE



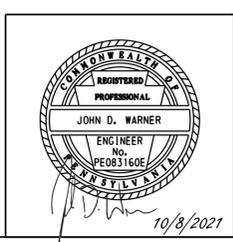
ON-STREET PARKING PAVEMENT MARKING
 NOT TO SCALE



NO PARKING STALL AND GORED TRANSITIONS
 NOT TO SCALE

Owner P -- PennDOT M - Municipality Permit # (Leave blank until issued)	IN ---- Install New RI ---- Replace Installation REL - Relocate Installation RM -- Remove ER --- Existing to remain	SR	Description / Nomenclature	Sign Type / Description	Segment	Offset	Width	Height	Ascending / Descending / Intersection	Left / Right / Overhead / Center
M	ER	2045	R7-302(MOD)	NO PARKING	0020	1844	12"	18"	D	R
M	ER	2045	R7-302(MOD)	NO PARKING	0020	1880	12"	18"	A	R
P	IN	2045	R1-6	IN-STREET PEDESTRIAN CROSSING	0020	1868	12"	36"	A	C
M	ER	2045	R1-1	STOP	0020	1895	30"	30"	I	R
M	ER	2045	LOCUST ST	STREET NAME	0020	1895	30"	6"	I	R
M	ER	2045	S MAIN ST	STREET NAME	0020	1895	30"	6"	I	R
M	ER	2045	THOMAS ST	STREET NAME	0020	1895	30"	6"	I	R
M	ER	2045	R1-1	STOP	0020	1899	30"	30"	I	R
M	ER	2045	R1-1	STOP	0020	1932	30"	30"	I	R
M	ER	2045	NA	ST. JOHNS UCC	0020	1953	18"	9"	D	R
P	IN	2045	R1-6	IN-STREET PEDESTRIAN CROSSING	0020	1953	12"	36"	A	C
M	ER	2045	R7-302(MOD)	NO PARKING	0020	1961	12"	18"	A	R
M	ER	2045	R7-302(MOD)	NO PARKING	0020	2002	12"	18"	D	R
M	ER	2045	R7-5	TWO HOUR PARKING 8AM-8PM	0020	2101	12"	18"	D	R
M	ER	2045	R7-302(MOD)	NO PARKING	0020	2123	12"	18"	A	R
M	ER	2045	R7-302(MOD)	NO PARKING	0020	2237	12"	18"	D	R
P	ER	2045	R7-203-1	SNOW EMERGENCY ROUTE NO PARKING	0020	2274	18"	24"	D	R
P	IN	2045	R1-6	IN-STREET PEDESTRIAN CROSSING	0020	2285	12"	36"	A	C
P	ER	2045	R1-6	IN-STREET PEDESTRIAN CROSSING	0020	2285	12"	36"	A	R
M	ER	2045	R7-302(MOD)	NO PARKING	0020	2285	12"	18"	A	R
P	ER	2045	NA	SEGMENT SIGN	0010	2305	12"	18"	D	R
P	IN	2045	R1-6	IN-STREET PEDESTRIAN CROSSING	0020	2361	12"	36"	A	C
M	ER	2045	R7-302(MOD)	NO PARKING	0020	2361	12"	18"	A	R
P	ER	2045	R1-6	IN-STREET PEDESTRIAN CROSSING	0020	2391	12"	36"	D	R
M	ER	2045	R7-302(MOD)	NO PARKING	0020	2391	12"	18"	D	R
P	ER	2026	R1-1	STOP	0020	0029	30"	30"	D	R
P	ER	2026	S MAIN ST	STREET NAME	0020	0029	30"	6"	D	R
P	ER	2026	E STATION AVE	STREET NAME	0020	0029	30"	6"	D	R
P	ER	2026	NA	SEGMENT SIGN	0020	0029	10"	10"	D	R
P	ER	2026	R1-6	IN-STREET PEDESTRIAN CROSSING	0020	0045	12"	36"	D	R
M	ER	2026	R7-302(MOD)	NO PARKING	0020	0045	12"	18"	D	R
M	ER	2026	R7-302(MOD)	NO PARKING	0020	0066	12"	18"	A	R
P	ER	2026	R4-1	DO NOT PASS	0020	0143	24"	30"	A	R
M	ER	2026	R7-302(MOD)	NO PARKING	0020	0143	12"	18"	A	R
P	ER	2026	R6-1L	ONE WAY	0020	0194	36"	12"	A	R
P	ER	2026	R6-1R	ONE WAY	0020	0194	36"	12"	A	R
P	ER	2026	NA	6AM-4PM MON-FRI	0020	0194	18"	12"	A	R

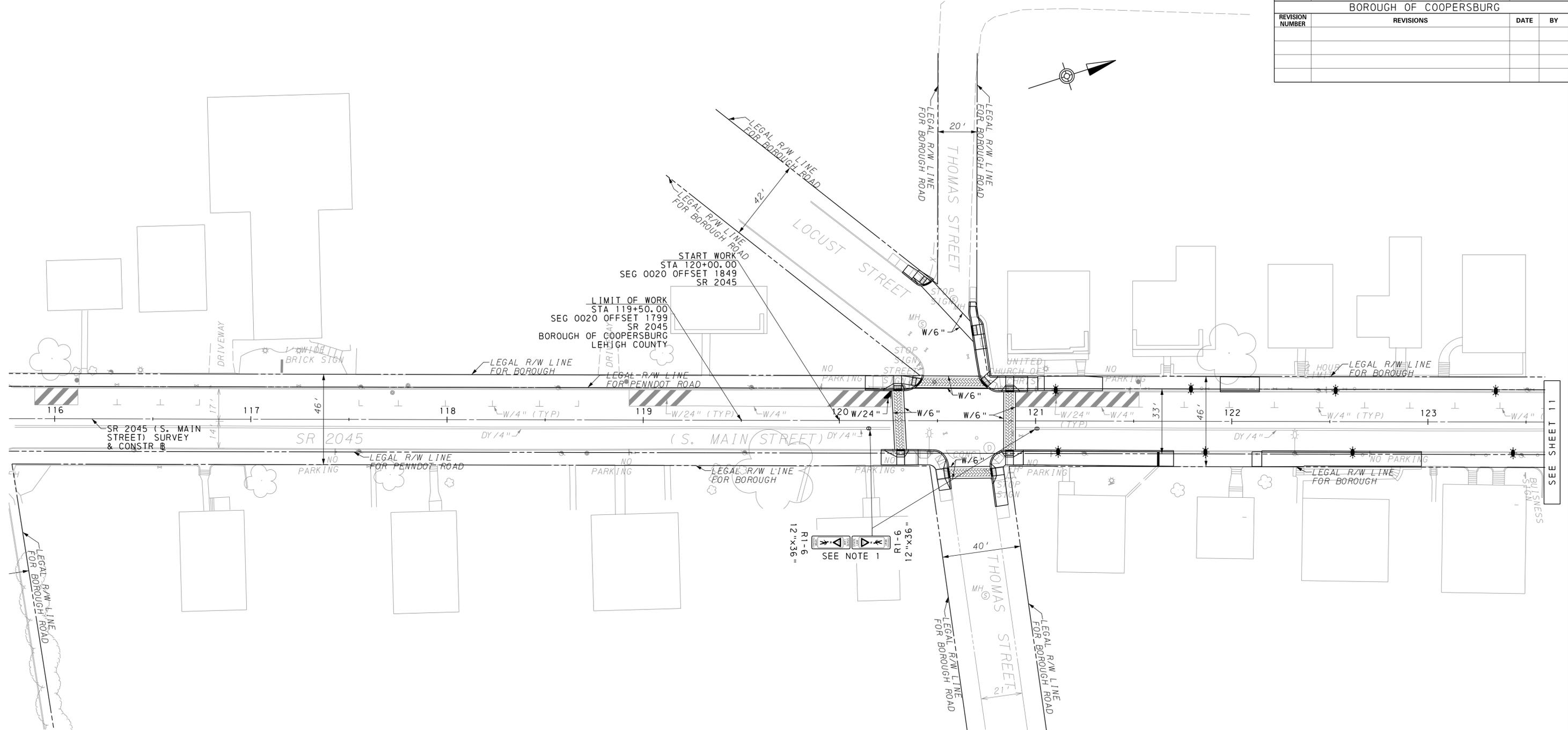
SIGNING AND PAVEMENT MARKING PLAN DETAILS



17-AUG-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		10 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



LEGEND:

- W/6" SOLID WHITE LINE / WIDTH
- DECORATIVE IMPRINTED CROSSWALK, TYPE E - HERRINGBONE, MAROON COLOR, HEAVY DUTY (SEE SHEET 9 FOR DETAIL)
- PROPOSED STREET LIGHTING

NOTES:

1. THIS IS PAID AS ITEM 9000-0012 YIELD TO PEDESTRIAN CHANNELIZING DEVICE.



SIGNING AND PAVEMENT MARKING PLAN

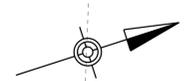


SEE SHEET 11

17-AUG-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		11 OF 11
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



LEGEND:

- W/4" SOLID WHITE LINE / WIDTH
- W/6" SOLID WHITE LINE / WIDTH
- W/24" SOLID WHITE LINE / WIDTH
- DECORATIVE IMPRINTED CROSSWALK, TYPE E - HERRINGBONE, MAROON COLOR, HEAVY DUTY (SEE SHEET 9 FOR DETAIL)
- PROPOSED STREET LIGHTING

NOTES:

1. THIS IS PAID AS ITEM 9000-0012 YIELD TO PEDESTRIAN CHANNELIZING DEVICE.

SIGNING AND PAVEMENT MARKING PLAN



19-NOV-2020

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E&S SEQUENCE OF CONSTRUCTION GENERAL NOTES:

- LIMIT EARTH DISTURBANCE FOR CURBED SIDEWALKS AND ADA COMPLIANT CURB RAMPS TO AREAS WHICH CAN BE GRADED AND STABILIZED WITH STONE SUBBASE IN THE SAME WORKING DAY. IMPLEMENT DAILY STABILIZATION ACTIVITIES FOR ALL DISTURBED AREAS (STONE OR SEEDING) PER THE E&S PLAN. CLEARING ACTIVITIES MAY PROCEED IN ADVANCE IF PREFERRED.
- PRIOR TO ANY EARTHMOVING ACTIVITIES, PROPER TEMPORARY EROSION AND SEDIMENT POLLUTION CONTROL FACILITIES WILL BE INSTALLED.
- ALL EROSION AND SEDIMENT POLLUTION CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT. A DETAILED DESCRIPTION OF MAINTENANCE PROCEDURES CAN BE FOUND ON THE EROSION AND SEDIMENT POLLUTION CONTROL PLAN.
- THE E&S BMPs INSTALLED IN THE FOLLOWING SEQUENCE WILL REMAIN IN PLACE UNTIL THE ENTIRE TRIBUTARY AREA TO EACH BMP HAS ACHIEVED 70% UNIFORM VEGETATIVE COVER, OR HAS BEEN STABILIZED SUFFICIENTLY TO RESIST EROSION. IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITIES CEASE, THE OPERATOR WILL STABILIZE ANY AREAS DISTURBED BY THE ACTIVITIES.
- UPON STABILIZATION OF THE TRIBUTARY AREA OF EACH E&S BMP, THE BMP WILL BE REMOVED AND THE AREA WHERE THE BMP WAS LOCATED WILL BE PERMANENTLY STABILIZED.

SEQUENCE OF CONSTRUCTION:

ALL EARTH DISTURBANCE ACTIVITIES WILL PROCEED IN ACCORDANCE WITH THE SEQUENCE OF CONSTRUCTION. CLEARING AND GRUBBING WILL BE LIMITED ONLY TO THOSE AREAS DESCRIBED.

- PLACE ALL ADVANCE ROADWAY WARNING SIGNS AND TRAFFIC CONTROL DEVICES.
- INSTALL E&S CONTROLS AS SHOWN ON THE E&S PLAN.
- EXCAVATE AND INSTALL STONE SUBBASE FOR AREAS OF NEW SIDEWALK AND ADA COMPLIANT CURB RAMPS. ONLY EXCAVATE AREAS THAT CAN BE STABILIZED WITH STONE SUBBASE THE SAME DAY.
- CONSTRUCT SIDEWALK AND ADA COMPLIANT CURB RAMPS AS SHOWN ON THE CONSTRUCTION PLANS.
- STABILIZE ANY REMAINING DISTURBED AREAS AS SHOWN ON THE E&S PLANS.
- REMOVE TEMPORARY TRAFFIC CONTROL DEVICES AND E&S CONTROLS UPON STABILIZATION OF THE PROJECT. AN AREA WILL BE CONSIDERED TO HAVE ACHIEVED FINAL STABILIZATION WHEN IT HAS A MINIMUM UNIFORM 70% PERENNIAL VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED SURFACE EROSION AND SUBSURFACE CHARACTERISTICS SUFFICIENT TO RESIST SLIDING AND OTHER MOVEMENTS.

SEEDING CHART

FORMULA AND SPECIES	MINIMUM %			SEEDING RATE LBS. PER 1000 SY	SOIL SUPPLEMENTS		MULCHING TONS PER AC
	PURITY	GERMINATION	PURE LIVE SEED		LIMESTONE	FERTILIZER	
					LBS PER 1000 SY	LBS PER 1000 SY	
FORMULA B: PERENNIAL RYEGRASS MIXTURE CREEPING RED FESCUE OR CHEWINGS FESCUE & KENTUCKY BLUEGRASS MIXTURE (PERMANENT)	97	80 - 90	78 - 88	42.0	800	140	3

STABILIZATION NOTES:

- PLACE ALL SEEDING, SOIL SUPPLEMENTS AND MULCHING ITEMS IN ACCORDANCE WITH THE REQUIREMENTS OF THE MOST RECENT VERSION OF PENNDOT PUBLICATION 408, SECTIONS 804 AND 805.
- IMMEDIATELY AFTER EARTH DISTURBANCE ACTIVITY CEASES IN ANY AREA OR SUBAREA OF THE PROJECT, THE OPERATOR SHALL STABILIZE ALL DISTURBED AREAS. DURING NON-GERMINATING PERIODS, MULCH SHALL BE APPLIED AS DESCRIBED IN THE PLAN. AREAS NOT AT FINISHED GRADE, WHICH WILL BE REACTIVATED WITHIN ONE YEAR, MAY BE STABILIZED IN ACCORDANCE WITH THE TEMPORARY STABILIZATION SPECIFICATIONS. THOSE AREAS WHICH WILL NOT BE REACTIVATED WITHIN ONE YEAR SHALL BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION SPECIFICATIONS.
- SPREAD SEEDS AT THE RATES SPECIFIED WITHIN THE FOLLOWING DATES:
FORMULA B - MARCH 15 TO JUNE 1 AND AUGUST 1 TO OCTOBER 15
- SEED AND MULCH STOCKPILES IMMEDIATELY.
- UPON CESSATION OF EARTH DISTURBANCE ACTIVITIES, OR ANY STAGE THEREOF, THE PROJECT MUST BE IMMEDIATELY STABILIZED WITH THE APPROPRIATE PERMANENT STABILIZATION.
- PERMANENT STABILIZATION IS DEFINED AS A MINIMUM UNIFORM, PERENNIAL 70% VEGETATIVE COVER OR OTHER PERMANENT NON-VEGETATIVE COVER WITH A DENSITY SUFFICIENT TO RESIST ACCELERATED EROSION. CUT AND FILL SLOPES SHALL BE CAPABLE OF RESISTING FAILURE DUE TO SLUMPING, SLIDING, OR OTHER MOVEMENTS.

DISTRICT	COUNTY	ROUTE	SECTION	SHEET	
5-0	LEHIGH	2045		2 OF 6	
BOROUGH OF COOPERSBURG					
REVISION NUMBER	REVISIONS			DATE	BY

SOIL INFORMATION

SOIL TYPE	NAME AND TEXTURE	HYDRO. GROUP	DEPTH TO WATER TABLE (in.)	DEPTH TO BEDROCK (in.)	SLOPE (%)	CONSTRUCTION LIMITATIONS
CwB	CROTON SILT LOAM	D	0-6	40-60	0-3	CORROSIVE TO CONCRETE/STEEL, EASILY ERODIBLE, SHALLOW DEPTH TO SATURATED ZONE, LOW STRENGTH, POOR SOURCE OF TOPSOIL, SUBJECT TO FROST ACTION, SUBJECT TO PONDING, SUBJECT TO WETNESS
UxB	URBAN LAND-PENN COMPLEX	B	>80	10-100	0-8	CORROSIVE TO CONCRETE, SUBJECT TO DROUGHT, SHALLOW DEPTH TO SATURATED ZONE, LOW STRENGTH, POOR SOURCE OF TOPSOIL, SUBJECT TO FROST

SOURCE: NRCS WEB SOIL SURVEY WEBSITE

HYDRIC SOILS:

ACCORDING TO THE SOIL REPORT, THE PROJECT SITE IS MADE UP OF PENN COMPLEX (UxB) WHICH IS RATED AS SLIGHTLY HYDRIC. MINIMAL, SHALLOW EXCAVATION WILL OCCUR WITHIN THESE SOILS FOR SIDEWALK AND ADA COMPLIANT CURB RAMP CONSTRUCTION.

SOIL CONSTRUCTION RESOLUTIONS:

- STONINESS:**
- WHEN PERIMETER CONTROLS CANNOT BE PROPERLY ANCHORED IN STONY SOILS, ALTERNATE SEDIMENT BARRIERS INCLUDING STRAW BALES OR ROCK BERMS WILL BE UTILIZED. ALTERNATE CONTROLS WILL BE INSTALLED IN ACCORDANCE WITH THE PADEP EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL.
 - WHEN VERY STONY SOILS ARE ENCOUNTERED IN THE CONSTRUCTION OF GRASSED CONVEYANCE FACILITIES, SEDIMENT REMOVAL FACILITIES, OR LAWN AREAS, THE LARGE STONES WILL BE REMOVED AND REPLACED WITH TOPSOIL CAPABLE OF SUSTAINING EROSION RESISTANT VEGETATION AS SPECIFIED.

- LOW MOISTURE HOLDING CAPACITY:**
- SOILS WITH LOW MOISTURE HOLDING CAPACITY WILL BE IRRIGATED AS REQUIRED TO MAINTAIN SUFFICIENT VEGETATIVE COVER.

- PONDING:**
- DURING CONSTRUCTION, SOME WORK AREAS WILL BE BELOW EXISTING GRADE. DURING RAIN EVENTS, WATER MAY POND IN THE WORK ZONE WHICH MAY REQUIRE TO DEWATER THE AREA. ALL PUMPING OF SEDIMENT LADEN WATER SHALL BE THROUGH A SEDIMENT CONTROL BMP. ANY ALTERNATE CONTROLS WILL BE INSTALLED IN ACCORDANCE WITH THE PADEP EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL.

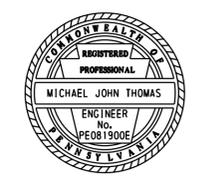
- SHALLOW RESTRICTIVE FEATURE:**
- WHERE NECESSARY IN SOILS WITH A SHALLOW DEPTH TO A RESTRICTIVE FEATURE, ALTERNATE EXCAVATION TECHNIQUES MAY BE REQUIRED SUCH AS, BUT NOT LIMITED TO, DRILLING, HAMMERING, OR BLASTING OF THE EXISTING SOIL TO GET THE REQUIRED EXCAVATION DEPTH. NOTIFY PROJECT ENGINEER IF ALTERNATIVE METHODS ARE REQUIRED

- HIGH WATER TABLE:**
- AS NECESSARY, IN SOILS WITH A HIGH WATER TABLE, TEMPORARY DEWATERING FACILITIES MAY BE REQUIRED FOR EXCAVATION AREAS. CONTRACTOR TO PROVIDE AN APPROVED METHOD TO PROPERLY DEWATER EXCAVATION AREAS.
 - EXCAVATION OF SOILS WITH A HIGH WATER TABLE WILL BE LIMITED TO THE ANNUAL DRY SEASON IF NECESSARY.

- SOIL COMPACTION:**
- CONTRACTOR TO MINIMIZE SOIL COMPACTION IN DISTURBED AREAS BY PROTECTING DISTURBED SOILS FROM EXCESSIVE COMPACTION DURING CONSTRUCTION AS WELL AS MINIMIZING LARGE CLEARED AREAS AND STOCKPILING OF TOPSOIL.

- EROSION HAZARD:**
- WHERE NECESSARY IN SOILS WITH HIGH EROSION HAZARD RATINGS, TEMPORARY STABILIZATION METHODS WILL BE IMPLEMENTED, INCLUDING BUT NOT LIMITED TO ROCK, SLOPE REINFORCEMENTS, MULCH BLANKETS, STRAW BALES, OR ROCK BERMS. ALL SEDIMENT MUST REMAIN WITHIN THE PROJECT AREA AND ALTERNATE CONTROLS WILL BE INSTALLED IN ACCORDANCE WITH THE PADEP EROSION AND SEDIMENT POLLUTION CONTROL PROGRAM MANUAL.

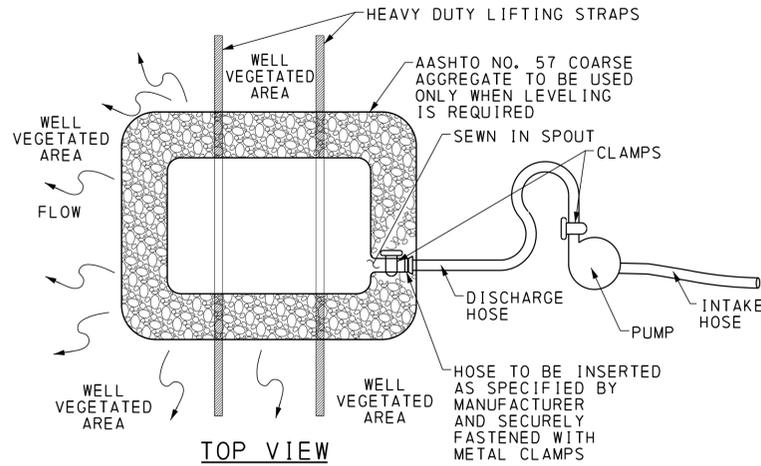
EROSION AND SEDIMENT POLLUTION CONTROL PLANS CONSTRUCTION NOTES



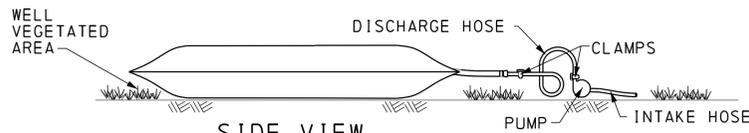
19-NOV-2020

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		3 OF 6
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



TOP VIEW

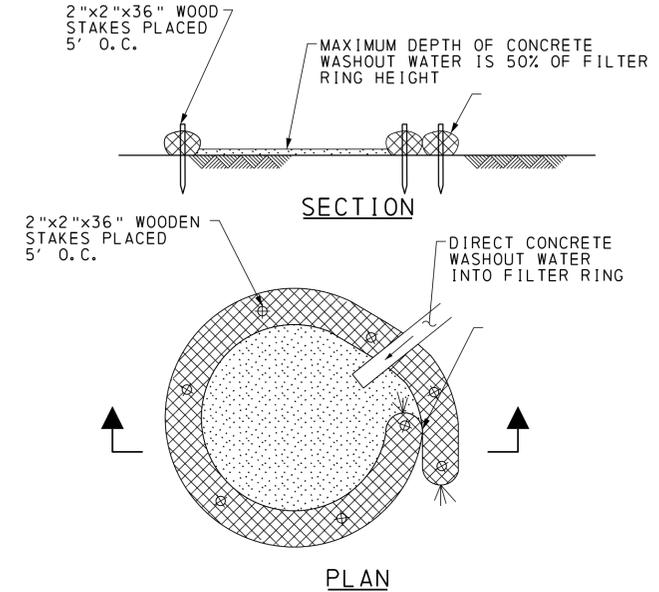


SIDE VIEW

PUMPED WATER FILTER BAG

NOT TO SCALE
ITEM: 0855-0003

1. LOCATE BAG IN LEVEL AREAS (LESS THAN 5% GRADE). WHEN LEVEL AREAS ARE NOT AVAILABLE, PLACE NO. 57 COARSE AGGREGATE TO LEVEL THE BAG.
2. LOCATE BAG IN A WELL VEGETATED AREA. DISCHARGE ONTO A STABLE, EROSION RESISTANT AREA. WHEN VEGETATED AREA IS NOT AVAILABLE, PROVIDE A GEOTEXTILE (CLASS 4, TYPE A) LINED FLOW PATH TO A STABLE EROSION RESISTANT RECEIVING WATER COURSE OR A WELL VEGETATED AREA.
3. LOCATE BAG IN AN AREA ACCESSIBLE BY EQUIPMENT FOR MAINTENANCE AND REMOVAL PURPOSES.
4. DO NOT INSERT MORE THAN ONE HOSE INTO A BAG.
5. REMOVE AND PROPERLY DISPOSE OF THE PUMPED WATER FILTER BAGS. RESTORE THE AREA IN ACCORDANCE WITH THE SPECIFICATIONS IN PUBLICATION 408. DO NOT CUT FILTER BAG OR DISTRIBUTE AND SEED SEDIMENT.
6. DO NOT PERMIT DISCHARGE FROM THE BAG TO DRAIN BACK INTO WORK OR ACCESS AREAS OF THE PROJECT.
7. THE PUMPING RATE WILL BE NO MORE THAN 750 GPM OR 1/2 THE MAXIMUM SPECIFIED BY THE MANUFACTURER, WHICHEVER IS LESS.



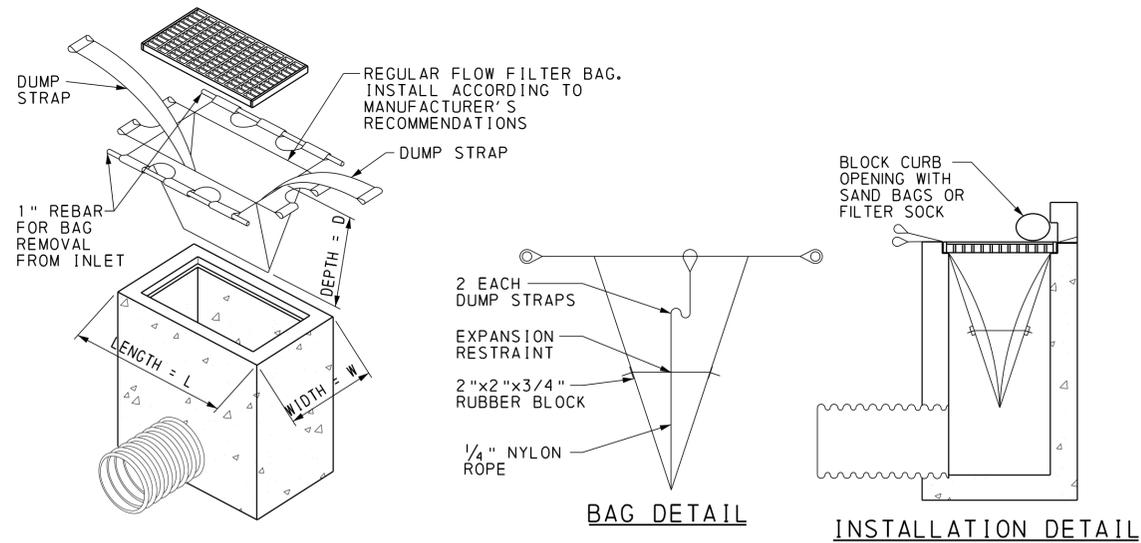
SECTION

PLAN

- NOTES:
1. INSTALL ON FLAT GRADE FOR OPTIMUM PERFORMANCE.
 2. 18" DIAMETER FILTER SOCK MAY BE STACKED ONTO DOUBLE 24" DIAMETER SOCKS IN PYRAMIDAL CONFIGURATION FOR ADDED HEIGHT.
 3. DO NOT PLACE UPSTREAM OF BASINS, INLETS, TRAPS, OR OTHER DRAINAGE FEATURES.

**COMPOST SOCK
WASHOUT INSTALLATION**

NOT TO SCALE
INCIDENTAL TO CONSTRUCTION



BAG DETAIL

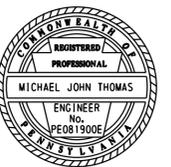
INSTALLATION DETAIL

INLET FILTER BAG FOR TYPE C INLET, NONSTANDARD SIZE (IP1)

NOT TO SCALE
ITEM 4860-0002

PLAN SYMBOL: (IP1)

**EROSION AND SEDIMENT
POLLUTION CONTROL PLANS
DETAILS**



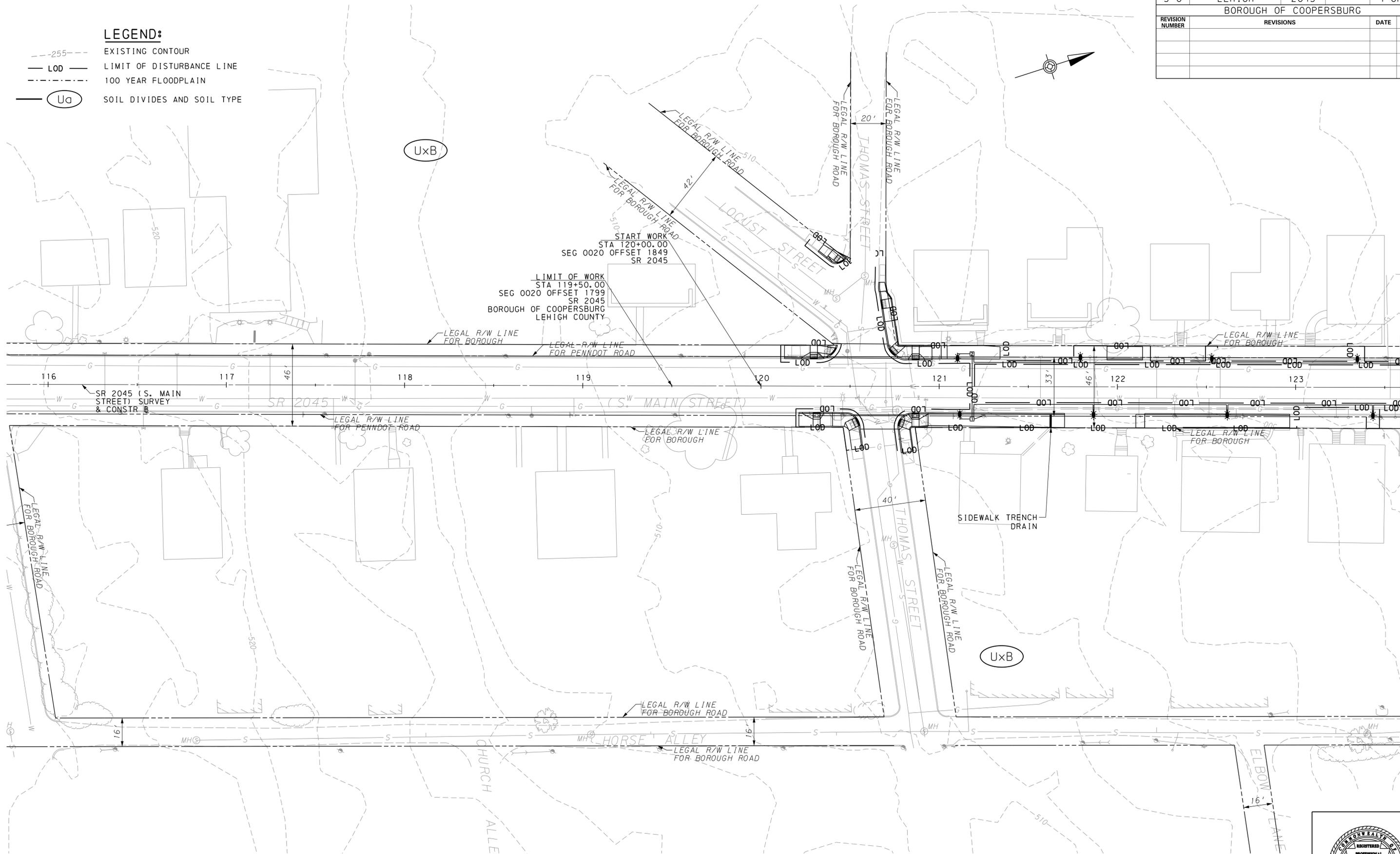
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		4 OF 6
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND:

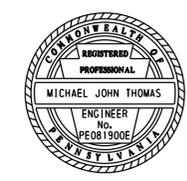
- 255- EXISTING CONTOUR
- LOD — LIMIT OF DISTURBANCE LINE
- - - 100 YEAR FLOODPLAIN
- Ua SOIL DIVIDES AND SOIL TYPE



SEE SHEET 5



EROSION AND SEDIMENT POLLUTION CONTROL PLANS



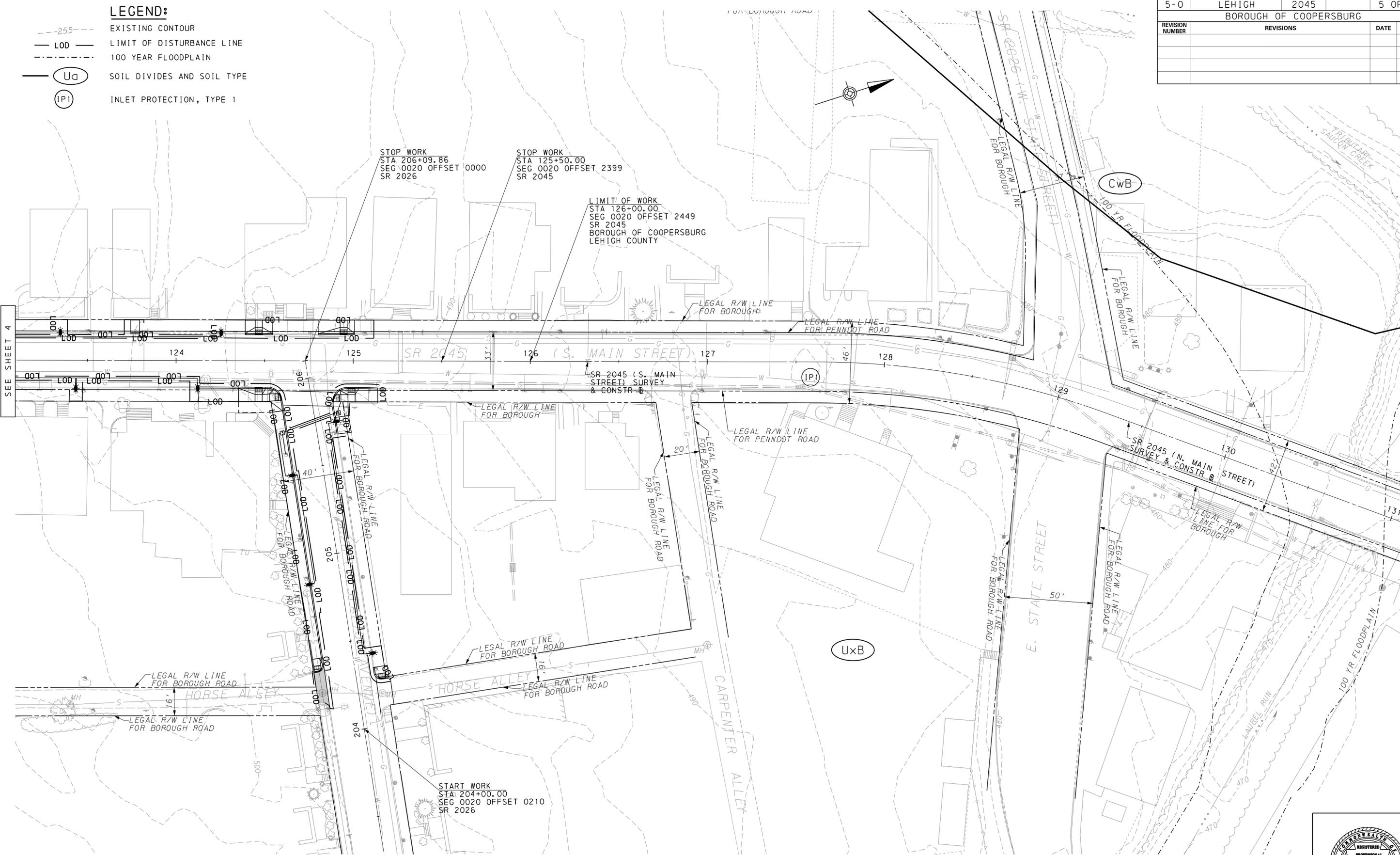
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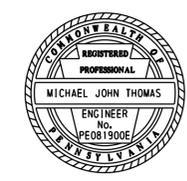
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		5 OF 6
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

LEGEND:

- 255- EXISTING CONTOUR
- LOD LIMIT OF DISTURBANCE LINE
- 100 YEAR FLOODPLAIN
- SOIL DIVIDES AND SOIL TYPE
- INLET PROTECTION, TYPE 1



EROSION AND SEDIMENT POLLUTION CONTROL PLANS



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045		6 OF 6
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

PREPAREDNESS, PREVENTION AND CONTINGENCY PLAN

GENERAL NOTES:

- IF REQUIRED BY PADEP
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PREPARE A "PREPAREDNESS, PREVENTION AND CONTINGENCY (PPC) PLAN" FOR THE PROPOSED CONSTRUCTION ACTIVITIES TO CONTROL THE POTENTIAL DISCHARGE OF POLLUTANTS CARRIED IN STORMWATER.
 - BOTH THE E & S PLAN AND THE PPC PLAN ARE TO BE MAINTAINED ON-SITE FOR THE DURATION OF THE PERMIT.
 - A PPC PLAN IS REQUIRED IF CHEMICALS, SOLVENTS, HAZARDOUS WASTES, OR ANY MATERIAL WITH THE POTENTIAL FOR CAUSING ACCIDENTAL POLLUTION OF AIR, LAND, OR WATER, ARE STORED OR UTILIZED ON THE SITE.
 - FOLLOW THIS FORMAT AND INCLUDE THESE ELEMENTS FOR THE PPC PLAN:
 - GENERAL DESCRIPTION FOR THE CONSTRUCTION ACTIVITY
 - INCLUDE DRAWINGS SHOWING GENERAL LAYOUT OF SITE, PROPERTY BOUNDARIES, MATERIALS IN STORAGE AREAS, LOADING AND UNLOADING OPERATION SITES, TRUCK WASHING AREAS, IN ADDITION TO THE FEATURES OF THE E & S PLANS.
 - EMERGENCY RESPONSE PROGRAM
 - DESCRIBE THE ORGANIZATIONAL STRUCTURE, CHAIN OF COMMAND, EMERGENCY COORDINATORS AND CONTACTS. INCLUDE DESCRIPTIONS OF EACH INDIVIDUAL'S DUTIES AND RESPONSIBILITIES WITHIN THE CHAIN OF COMMAND FOR IMPLEMENTATION OF THE PPC PLAN.
 - IDENTIFY ON THE ORGANIZATIONAL CHART A LIST OF EMERGENCY COORDINATORS THAT MUST BE CONTACTED IN THE EVENT OF AN EMERGENCY OR SPILL.
 - DESCRIBE THE DUTIES AND RESPONSIBILITIES OF THE EMERGENCY COORDINATOR SPECIFIC TO THE SITE OR ACTIVITY IN THE EVENT OF AN EMINENT OR ACTUAL EMERGENCY.
 - INCLUDE ON THE ORGANIZATIONAL CHART OR ON AN ATTACHMENT, A LIST OF AGENCIES AND PHONE NUMBERS THAT MUST BE CONTACTED IN THE EVENT OF AN EMERGENCY OR SPILL.
- SUCH A LIST INCLUDES AS APPLICABLE:
- PADEP
 - PA EMERGENCY MANAGEMENT AGENCY
 - COUNTY HEALTH DEPARTMENT
 - PA FISH COMMISSION
 - THE NATIONAL RESPONSE CENTER (U.S. EPA AND U.S. COAST GUARD)
 - LOCAL POLICE AND FIRE DEPARTMENTS
 - LOCAL SEWAGE TREATMENT PLANT
 - DOWN STREAM PUBLIC WATER SUPPLIES
 - INDUSTRIAL WATER USERS
 - RECREATION AREAS
 - INTERNAL AND EXTERNAL COMMUNICATIONS AND ALARM SYSTEMS
 - EMPLOYEE TRAINING PROGRAM
 - LIST OF EMERGENCY EQUIPMENT. INCLUDE THE LOCATION, PHYSICAL DESCRIPTION, INTENDED USE AND CAPABILITIES OF EACH ITEM.
- MAINTENANCE PROCEDURES AND DECONTAMINATION PROCEDURES OF EMERGENCY EQUIPMENT
 - EVACUATION PLAN FOR INSTALLATION PERSONNEL (IF DEEMED NECESSARY)
 - ARRANGEMENTS WITH EMERGENCY RESPONSE CONTRACTORS. PROVIDE LIST WITH PHONE NUMBERS AND THE SERVICES EACH CONTRACTOR WILL PROVIDE.
 - INFORM LOCAL EMERGENCY RESPONSE AGENCIES AND HOSPITALS CONCERNING THE TYPE OF POTENTIAL EMERGENCIES THAT MAY OCCUR AND THE NEED FOR SERVICES.
 - FAMILIARIZE LOCAL POLICE, FIRE DEPARTMENTS, EMERGENCY RESPONSE TEAMS AND THE COUNTY EMERGENCY MANAGEMENT COORDINATOR WITH THE LAYOUT OF THE CONSTRUCTION SITE, THE PROPERTIES AND DANGERS ASSOCIATED WITH THE HAZARDOUS MATERIALS (IF ANY) HANDLED, PLACES WHERE PERSONNEL WOULD BE NORMALLY WORKING, ENTRANCES TO ACCESS ROADS INSIDE THE FACILITY, AND ANY POSSIBLE EVACUATION ROUTES.
- MATERIAL AND WASTE INVENTORY
 - IDENTIFY BY COMMON CHEMICAL NAME AND TRADE NAME TO INCLUDE LOCATIONS, SOURCES, AND QUANTITIES USED OR STORED ON THE SITE.
 - FOR EACH HAZARDOUS CHEMICAL STORED AT THE CONSTRUCTION SITE, THE LOCATION MATERIAL SAFETY DATA SHEET OR SIMILAR INFORMATION IS TO BE CLEARLY CITED IN THE PPC PLAN.
 - SPILL AND LEAK PREVENTION AND RESPONSE
 - DESCRIBE THE SOURCE AND AREAS FOR POTENTIAL LEAKS AND SPILLS, THE PROBABLE DIRECTION OF FLOW OF SPILLED MATERIALS AND THE POLLUTION INCIDENT MEASURE SPECIFIC TO THE SOURCE OR AREA.
 - PROVIDE SEPARATE DRAWINGS OR PLOT PLANS TO SUPPLEMENT THE ABOVE.
- INSPECTION PROGRAM
 - DESCRIBE THE INSPECTION PROGRAM AND MONITORING PROCEDURES TO ASSESS THE INTEGRITY OF EQUIPMENT, STORAGE AREAS AND SIMILAR AREAS.
 - HOUSEKEEPING PROGRAM
 - IDENTIFY THE AREAS AND THE ASSOCIATED TYPE OF HOUSEKEEPING PRACTICES TO MINIMIZE THE POSSIBILITY OF ACCIDENTAL SPILLS AND SAFETY HAZARDS TO PERSONNEL.
 - SECURITY MEASURES
 - IN A VIOLATION OF DEPARTMENTAL REGULATIONS, AND/OR INJURY TO PERSONS AND DAMAGE TO EQUIPMENT.
 - EXTERNAL FACTORS
 - DESCRIBE THE POSSIBLE AFFECTS OF EXTERNAL FACTORS SUCH AS POWER OUTAGES, STRIKES, FLOODS, SNOWSTORMS ETC. AND ANY ACTION TO BE TAKEN TO ALLEVIATE ANY RESULTING EFFECTS TO PUBLIC HEALTH, SAFETY OR THE ENVIRONMENT.

EROSION & SEDIMENT CONTROL MAINTENANCE PROGRAM

CONTROL MEASURE	PROBLEMS TO LOOK FOR:	REMEDIES:
VEGETATION	RILLS OR GULLIES FORMING	RE-SEED OR PLACE STONE AS NECESSARY
PUMPED WATER FILTER BAG	SEDIMENT TO CLEAN OUT LEVEL/ BAG FAILURE CLAMP FAILS NON-LEVEL FILTER BAG	REPLACE BAG WITH NEW CLEAN BAG WHEN SEDIMENT REACHES 50% OF CAPACITY. REPLACE CLAMP WITH PROPERLY FUNCTIONING CLAMP. REMOVE BAG, RE-LEVEL STONE, REPLACE BAG.
INLET PROTECTION	OBSTRUCTED OUTLET SEDIMENT TO CLEAN OUT LEVEL	REMOVE DEBRIS/TRASH FROM INLET. REMOVE SEDIMENT FROM INLET PROTECTION AFTER EACH RAINFALL EVENT. REMOVE FULL FILTER BAG FROM INLET AND REPLACE WITH CLEAN FILTER BAG.

NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT.
- A WRITTEN REPORT DOCUMENTING INSPECTIONS AND REPAIRS SPECIFIC WILL BE PROVIDED BY THE INSPECTOR.

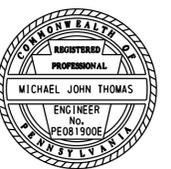
MAINTENANCE OF EROSION CONTROL MEASURES

ALL EROSION AND SEDIMENT POLLUTION CONTROL MEASURES WILL BE INSPECTED AND MAINTAINED ON A WEEKLY BASIS AND AFTER EACH RAINFALL EVENT. MULCHED AND SEEDING AREAS WILL BE CHECKED REGULARLY TO DETERMINE THAT ADEQUATE EROSION CONTROL IS BEING MAINTAINED. INLET PROTECTION DEVICES SHALL BE MAINTAINED BEFORE AND AFTER EACH RAINFALL AND DAILY DURING PROLONGED RAINFALL EVENTS. MAINTENANCE REPAIRS SHALL BE MADE IMMEDIATELY. INLET PROTECTION THAT DETERIORATES OR BECOMES DESTROYED OR OTHERWISE INEFFECTIVE PRIOR TO ITS EXPECTED LIFE SPAN SHALL BE PROMPTLY REPLACED. ACCUMULATED SEDIMENTS WILL BE REMOVED WHEN THEY REACH ONE-HALF THE HEIGHT OF THE CONTROL MEASURE AND EITHER REDISTRIBUTED ON-SITE OR REMOVED AND PLACED AT A SITE WHICH HAS BEEN APPROVED BY MCCD OR PADEP.

AT THE END OF EACH WORKDAY, ALL SEDIMENT DEPOSITED ON THE PUBLIC ROADWAY SHALL BE REMOVED AND RETURNED TO THE WORK AREA. WASHING OF THE ROADWAY WITH WATER IS NOT PERMITTED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN EROSION AND SEDIMENT CONTROL MEASURES UNTIL ALL AREAS HAVE BEEN PERMANENTLY STABILIZED. THE CONTRACTOR SHALL MONITOR ALL SEEDING AND MULCHED AREAS ON A DAILY BASIS UNTIL PROPER STABILIZATION IS ACHIEVED. WHERE STABILIZATION IS DEFICIENT, SEED AND MULCH SHALL BE REAPPLIED. IF NECESSARY, TOPSOIL SHALL BE TESTED TO DETERMINE THE PROPER SEED MIX AND SOIL AMENDMENTS TO BE APPLIED.

EROSION AND SEDIMENT POLLUTION CONTROL PLANS PPC PLAN \ MAINTENANCE PROGRAM

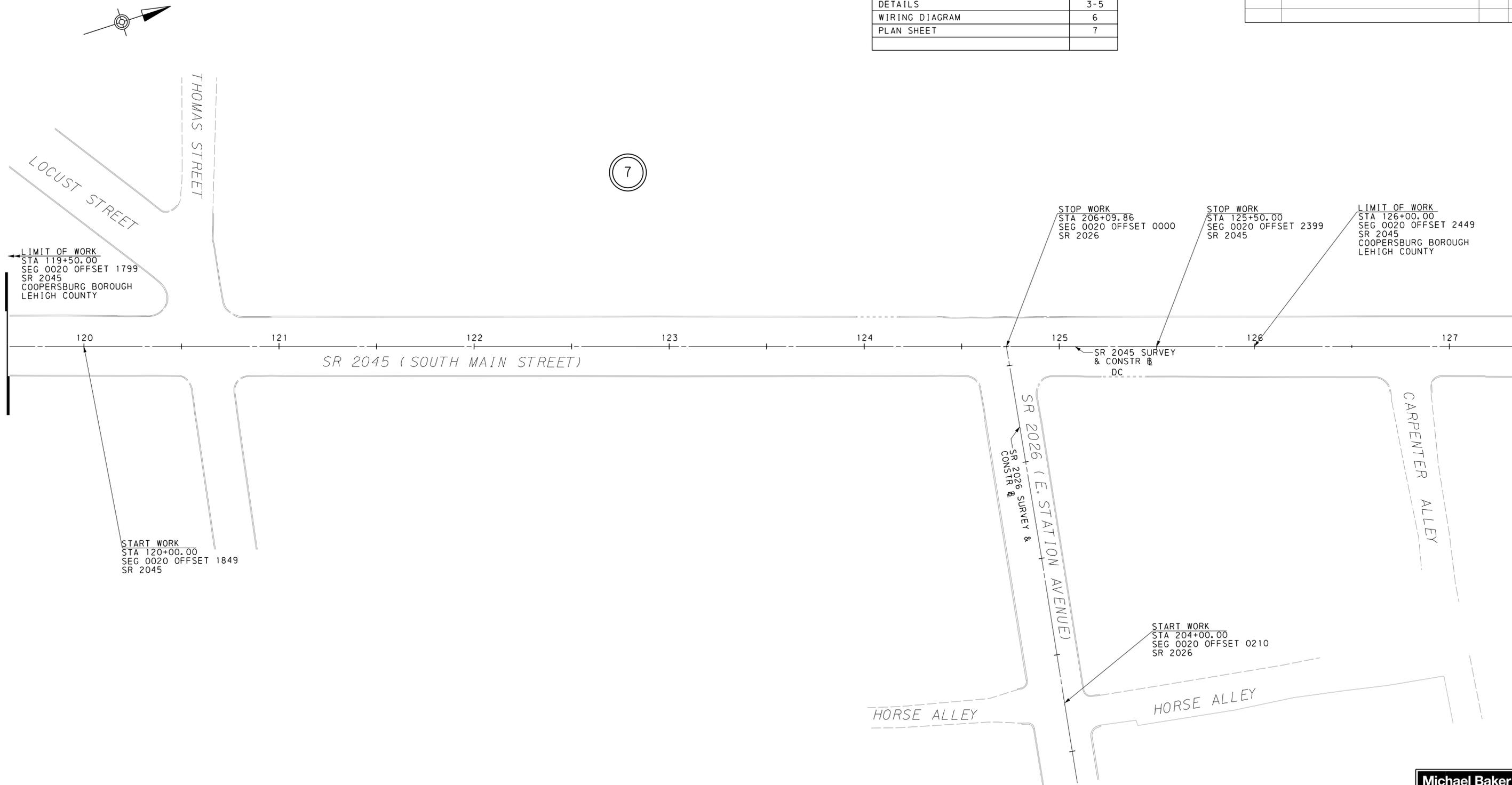


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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	1 OF 7
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

INDEX OF DRAWINGS	
DESCRIPTION	SHEET
INDEX MAP	1
GENERAL NOTES	2
DETAILS	3-5
WIRING DIAGRAM	6
PLAN SHEET	7



7



LEGEND



PLAN VIEW SHEET NUMBER



SHEET LIMIT



**HIGHWAY LIGHTING PLAN
INDEX MAP**

Michael Baker INTERNATIONAL
 500 OFFICE CENTER DRIVE, SUITE 210,
 FORT WASHINGTON, PA 19034-3234
 Phone: (215) 444-0888 · MBAKERINTL.COM

10/19/2021



Scott Cepietz

27-AUG-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	2 OF 7
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

LIST OF PUBLIC UTILITIES

PPL ELECTRIC UTILITIES
 2 NORTH 9TH ST
 ALLENTOWN, PA 18101-1139
 610-774-6287
 ATTN: MS. CHARLOTTE KRUPA

UGI UTILITIES INCORPORATED
 2121 CITY LINE ROAD
 BETHLEHEM, PA 18017-2127
 610-807-3135
 ATTN: MR. TOM O'NEILL

COOPERSBURG MUNICIPAL
 AUTHORITY - SANITARY SEWER
 6235 HAMILTON BOULEVARD
 WESCOSVILLE, PA 18106
 610-395-0971
 ATTN: MR. BILL ERDMAN

COOPERSBURG MUNICIPAL
 AUTHORITY - WATER
 85 SOUTH ROUTE 100
 ALLENTOWN, PA 18106
 484-358-6912
 ATTN: MR. HARRY GARMAN

LIST OF PUBLIC UTILITIES (CONT.)

FRONTIER COMMUNICATIONS
 300 E. LAIRD STREET
 WILKES BARRE, PA 18702
 570-208-6458
 ATTN: MR. PATRICK GALLI

RCN LEHIGH VALLEY
 2124 AVENUE C
 BETHLEHEM, PA 18017
 610-636-1454
 ATTN: MR. KEVIN COCHRAN

SERVICE ELECTRIC CABLE TV
 & COMMUNICATIONS
 2260 AVENUE A
 BETHLEHEM, PA 18017
 610-625-8503
 ATTN: MR. MIKE MILLHOUSE

LIST OF MUNICIPALITIES

COOPERSBURG BOROUGH
 5 N MAIN STREET
 COOPERSBURG, PA 18036
 610-282-3307
 ATTN: TIMOTHY PAASHAUS

UTILITY NOTES

EXISTING UTILITIES ARE SHOWN ON THE PLANS IN ACCORDANCE WITH THE BEST INFORMATION AVAILABLE AND ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY. THE CORRECTNESS AND COMPLETENESS OF THIS INFORMATION IS NOT GUARANTEED.

THE CONTRACTOR SHALL VERIFY THE INFORMATION AND SHALL TAKE ALL PRECAUTIONS TO FULLY PROTECT THE UTILITY AND SERVICE.

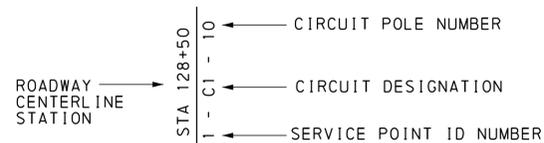
THREE TO TEN WORKING DAYS PRIOR TO EXCAVATION, THE CONTRACTOR MUST CONTACT THE PA ONE CALL SYSTEM, INC., PHONE 1-800-242-1776, SERIAL NO. _____ AND _____ FOR COOPERSBURG BOROUGH. ADDITIONAL INFORMATION IS AVAILABLE AT <https://www.pa1call.org/PA811/Public/>.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY ALL OVERHEAD LINES. NOTIFY THE UTILITY COMPANY AND COMPLY WITH THE UTILITY COMPANY'S SAFETY CLEARANCE REQUIREMENTS WHEN WORKING IN THE AREA OF THEIR FACILITIES.

THE CONTRACTOR IS REQUIRED TO NOTIFY THE DEPARTMENT AND SUBMIT AN ALLEGED VIOLATION REPORT (AVR) TO THE PA PUBLIC UTILITY COMMISSION THROUGH THE PA ONE CALL SYSTEM, WWW.PA1CALL.ORG, WITHIN TEN (10) BUSINESS DAYS AFTER A UTILITY LINE IS STRUCK, DAMAGED, OR PREVIOUS DAMAGE IS DISCOVERED AS REQUIRED BY PENNSYLVANIA'S UNDERGROUND UTILITY LINE PROTECTION LAW ACT 50 (P.L.852, NO. 287 AMENDED OCT. 30, 2017).

PA ONE CALL FOR DESIGN SERIAL NO.: 20190842931 BOROUGH OF COOPERSBURG
 20190843348 BOROUGH OF COOPERSBURG

POLE / LUMINAIRE IDENTIFICATION



CALL BEFORE YOU DIG !

PENNSYLVANIA LAW REQUIRES
 3 WORKING DAYS NOTICE FOR CONSTRUCTION PHASE
 AND 10 WORKING DAYS IN DESIGN STAGE
 BEFORE YOU DIG CALL
 THE PA ONE CALL SYSTEM TELEPHONE NUMBER.



1-800-242-1776

GENERAL NOTES

- CONSTRUCT PROJECT IN ACCORDANCE WITH THE SPECIFICATIONS AND SPECIAL PROVISIONS, AND AS NOTED THEREIN, OF THE PENNSYLVANIA DEPARTMENT OF TRANSPORTATION SPECIFICATIONS PUBLICATION 408, LATEST EDITION.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SUBCONTRACTORS AND FOR VERIFYING ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO COMMENCING THE WORK. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY EXISTING CONDITIONS WHICH ARE DIFFERENT FROM THOSE SHOWN ON THE PLANS.
- THE ELECTRICAL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC) OR ANY OTHER STATE OR LOCAL CODE HAVING JURISDICTION.
- ALL CONDUIT RUNS ARE DIAGRAMMATICALLY SHOWN ON THE DRAWINGS. THE FINAL ROUTING OF CONDUITS SHALL BE DETERMINED BY THE ELECTRICAL CONTRACTOR AND APPROVED BY THE ENGINEER. CONDUIT SHALL BE INSTALLED IN A MANNER TO PREVENT CONFLICTS WITH EQUIPMENT AND STRUCTURAL CONDITIONS. EXPOSED CONDUITS SHALL BE INSTALLED PARALLEL CONNECTIONS TO EQUIPMENT.
- REMOVE EXISTING PAVEMENT AS REQUIRED FOR INSTALLATION OF LIGHT POLE FOUNDATION. AT CONCRETE PAVING, SAWCUT EDGE OF AREA TO BE REMOVED FOR A CLEAN, NEAT EDGE, OR, REMOVE ALL PAVING TO SCORE JOINT IF WITHIN 12" OF MINIMUM AREA. IF EXISTING CONCRETE IS IN POOR, CRACKED CONDITION, REMOVE ALL PAVING TO SCORE JOINT IF WITHIN 24". ALL PAVEMENT REMOVAL AND REPLACEMENT REQUIRED FOR THE INSTALLATION OF THE FOUNDATION SHALL BE INCIDENTAL TO LIGHT POLE FOUNDATION WORK. NO OVER-CUTS AT CORNERS WILL BE ACCEPTED.
- FOOTWAY PAVING INCLUDES RESETTING WATER STOP BOXES, SEWER VENT BOXES, GAS STOP BOXES, AND SIMILAR MISCELLANEOUS ITEMS TO FINISHED GRADE.
- PORTIONS OF THE FOOTWAY PAVING ARE THE PHYSICAL ROOFS OF PUBLIC UTILITIES AND ARE TO BE MARKED PRIOR TO AND PROTECTED DURING THE DEMOLITION OF EXISTING FOOTWAYS.
- NO STRUCTURAL WORK IS TO BE PERFORMED ON INLETS, MANHOLES, OR OTHER MAJOR UTILITY STRUCTURES UNLESS DIRECTED BY THE ENGINEER.
- DO NOT INTERFERE WITH THE OPERATION OF ANY FIRE HYDRANT, FIRE CALL BOX OR POLICE CALL BOX UNLESS DIRECTED TO DO SO BY THE BOROUGH OF COOPERSBURG.
- THE CONTRACTOR IS TO COORDINATE HIS WORK WITH PPL AND THE UTILITY COMPANIES. THE BOROUGH OF COOPERSBURG IS NOT RESPONSIBLE FOR ANY DELAYS INCURRED.
- THE ELECTRICAL APPARATUS SUCH AS SWITCHES, RECEPTACLES, CONTROL, DEVICES, PANELS ETC., ARE SHOWN IN THEIR APPROXIMATE LOCATION ACTUAL LOCATION OF THESE APPARATUS SHALL BE DETERMINED BY CHECKING JOB SITE AND OTHER TRADE DRAWINGS. FINAL LOCATION SHALL BE APPROVED BY THE ENGINEER. SWITCHES AND DISCONNECTS MOUNTING HEIGHT SHALL BE 4'-6' MIN. ABOVE FINISHED FLOOR OR GRADE UNLESS OTHERWISE NOTED.
- THE POWER AND CONTROL WIRING SHALL BE STRANDED COPPER CONDUCTOR IN ACCORDANCE WITH PUBLICATION 408. MINIMUM SIZE OF POWER WIRING SHALL BE #8 AWG. CONTROL WIRING SHALL BE #8 AWG.
- ALL ABOVE-GROUND DEVICES, BOXES, COVER PLATES AND JUNCTION BOXES SHALL BE NEMA 3R RATED.
- ALL PVC TYPE CONDUIT EXCEPT ELECTRIC SERVICE CONNECTIONS SHALL INCLUDE A GROUNDING CONDUCTOR IN ADDITION TO THOSE THAT ARE SHOWN ON THE DRAWING.
- THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A COMPLETED GROUNDING SYSTEM IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE. ELECTRICAL WIRE RACEWAYS, APPARATUS AND PANEL ENCLOSURES AND OTHER NON-CURRENT CARRYING METAL PARTS SHALL BE MECHANICALLY JOINED TO FORM A CONTINUOUS CONDUCTING METALLIC PATH AND ASSURE ELECTRICAL CONTINUITY OF THE GROUNDING CIRCUITS. THE STRANDED COPPER BONDING JUMPER CABLES AND/OR GROUND WIRES SHALL BE INSTALLED WHERE REQUIRED. THE SURFACE WHERE GROUNDING CONNECTIONS ARE TO BE MADE SHALL BE CLEAN AND DRY. STEEL SURFACES SHALL BE GROUND OR FIRED TO REMOVE ALL SCALE, RUST, GREASE AND DIRT. COPPER AND GALVANIZED STEEL SHALL BE CLEANED WITH EMERY CLOTH TO REMOVE OXIDE BEFORE MAKING CONNECTIONS.
- ALL FIELD WIRING TERMINATIONS SHALL BE MADE AT TERMINALS LOCATED IN THE INDIVIDUAL COMPARTMENTS OR ENCLOSURES. USE OF WIRE NUTS OR DIRECT WIRING WILL NOT BE ACCEPTED. ALL TERMINATION POINTS MUST BE IDENTIFIED IN THE SHOP DRAWINGS AND PERMANENTLY / CLEARLY MARKED IN ACCORDANCE WITH THE SPECIFICATION REQUIREMENTS. TERMINATOR MATERIALS SHALL BE SIZED FOR THE INSTALLED CONDUCTORS.

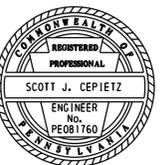
GENERAL NOTES (CON'T)

- ALL WIRES SHALL BE NEATLY BUNDLED AND TAGGED TO INDICATE THE CONNECTED DEVICE EACH WIRE SHALL BE COLOR CODED AND TAGGED WITH A PLASTIC SLEEVE TYPE WIRING TAG. WIRING SHALL BE TAGGED AT EACH POINT OF TERMINATION.
- CONDUIT INSTALLATION INTO EQUIPMENT WITH EXPOSED LIVE COMPONENTS SHALL BE ROUTED FOR BOTTOM ENTRY WHERE POSSIBLE OR SEALED IN A WATERTIGHT MANNER ACCEPTABLE TO THE ENGINEER.
- ALL RELAYS AND CONTRACTORS SHALL HAVE A SUFFICIENT AMOUNT OF CONTRACTS TO SATISFY THE CONTRACT REQUIREMENT AND ONE SPARE.
- ALL DEVICES AND APPARATUS FURNISHED SHALL BE NEW AND SHALL BE UL LISTED.
- THE WIRING DIAGRAMS, QUANTITY AND SIZE OF WIRES AND CONDUIT REPRESENT A SUGGESTED ARRANGEMENT BASED UPON SELECTED STANDARD COMPONENTS OF ELECTRICAL EQUIPMENT. MODIFICATIONS ACCEPTABLE TO THE ENGINEER MAY BE MADE BY THE CONTRACTOR TO ACCOMMODATE EQUIPMENT ACTUALLY PURCHASED. THE BASIC SEQUENCE AND METHOD OF CONTROL MUST BE MAINTAINED AS INDICATED ON THE DRAWINGS AND/OR SPECIFICATION.
- EXISTING UNDERGROUND PIPE, CONDUIT AND APPURTENANCES ARE NOT SHOWN. CONTRACTOR SHALL LOCATE ALL EXISTING SUBSURFACE EQUIPMENT WHICH MAY CONFLICT WITH NEW CONSTRUCTION SO AS TO AVOID CONFLICTS OR DAMAGE.
- EXISTING LED LUMINAIRES ON UTILITY POLES ARE TO REMAIN.

LEGEND:

- PROPOSED BOROUGH OF COOPERSBURG LIGHT POLE AND LUMINAIRE
- PROPOSED JUNCTION BOXES J.B. -1
- PROPOSED 2" DIRECT BURIAL CONDUIT
- EXISTING STREET LIGHTING

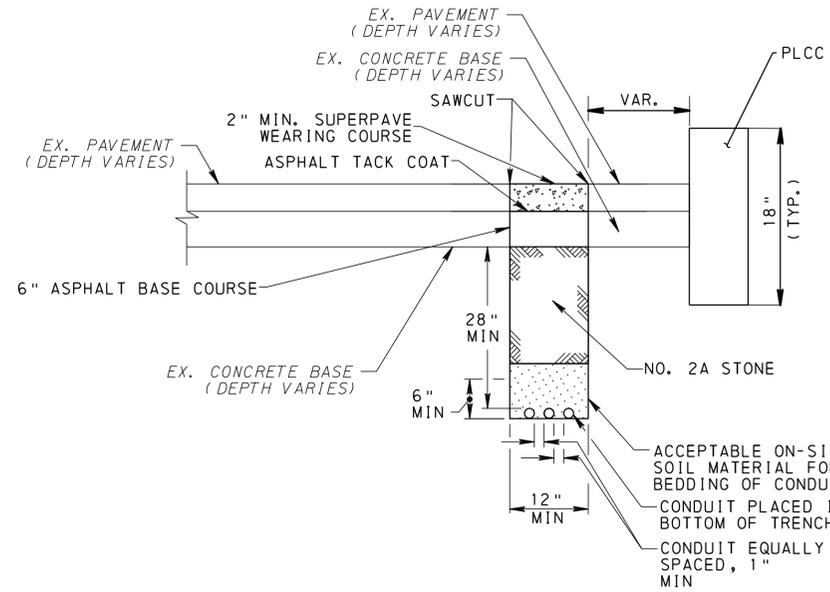
**HIGHWAY LIGHTING PLAN
GENERAL NOTES**



27-AUG-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	3 OF 7
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

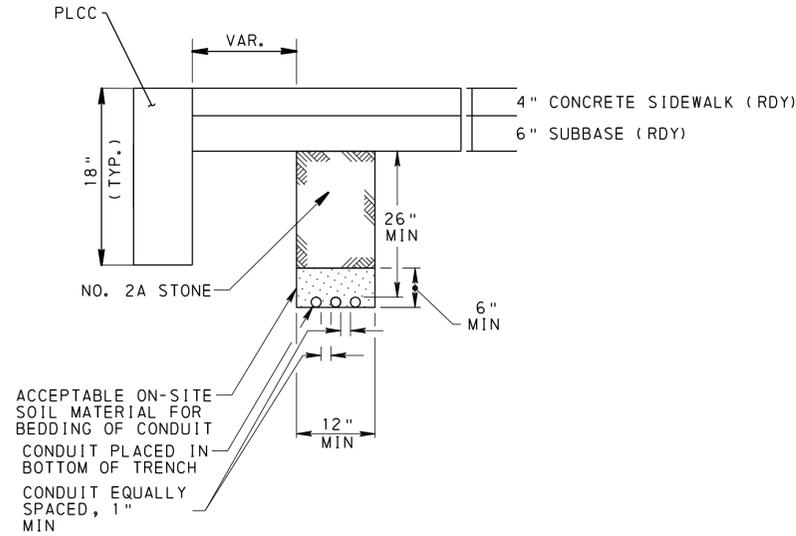


IN ROADWAY

UNDERGROUND CABLE AND CONDUIT

NOT TO SCALE

- ITEM 0203-0006 SAW CUTTING
- ITEM 0313-0326 SUPERPAVE ASPHALT MIXTURE DESIGN, BASE COURSE, PG 64S-22, <0.3 MILLION ESALS, 25.0 MM MIX, 6" DEPTH
- ITEM 0350-0106 SUBBASE 6" DEPTH (NO. 2A)
- ITEM 0413-0179 SUPERPAVE ASPHALT MIXTURE DESIGN, WEARING COURSE, PG 64S-22, < 0.3 MILLION ESALS, 12.5 MM MIX, 2" DEPTH, SRL-M
- ITEM 0460-0001 ASPHALT TACK COAT
- ITEM 0910-4116 AWG 8 UNDERGROUND CABLE, COPPER, 1 CONDUCTOR
- ITEM 0910-5055 2" DIRECT BURIAL CONDUIT
- ITEM 0910-6000 TRENCH



IN WALKWAY

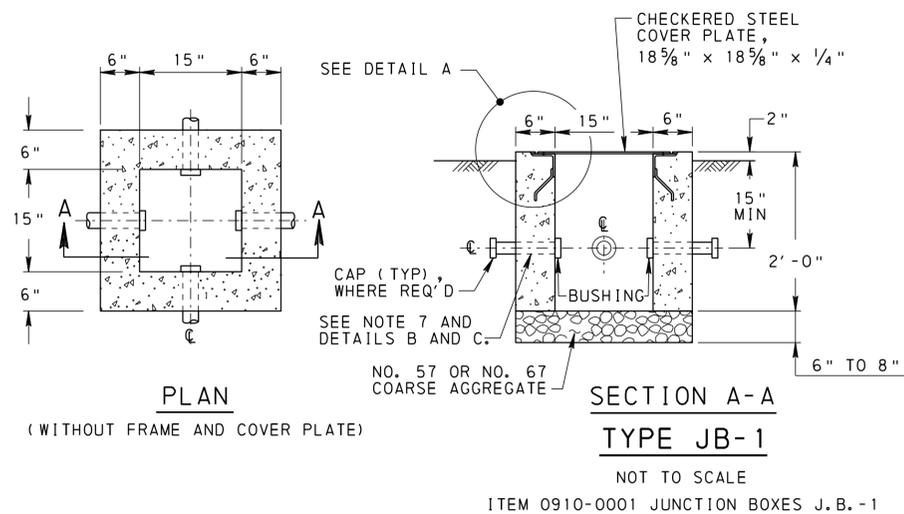
UNDERGROUND CABLE AND CONDUIT

NOT TO SCALE

- ITEM 0350-0106 SUBBASE 6" DEPTH (NO. 2A)
- ITEM 0910-4116 AWG 8 UNDERGROUND CABLE, COPPER, 1 CONDUCTOR
- ITEM 0910-5055 2" DIRECT BURIAL CONDUIT
- ITEM 0910-6000 TRENCH

NOTES FOR UNDERGROUND CABLE AND CONDUIT

1. TRENCH ALONG THE GENERAL LINE SHOWN ON THE PLANS.
2. HAVE ALTERNATE TRENCH LINE, OTHER THAN AS SHOWN ON THE PLANS, APPROVED BY THE ENGINEER. IN NO CASE APPROVE AN ALTERNATE TRENCH LINE WHICH RESULTS IN INCREASING THE CIRCUIT LENGTH MORE THAN 5%.
3. INSTALL CONDUIT TO PERMIT DRAINAGE TOWARDS NEAREST EARTH JUNCTION BOX AS APPLICABLE.
4. PROVIDE PERMANENT MARKING TAPE IN THE LAST LIFT FOR THE ENTIRE TRENCH LENGTH.
5. CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO DIGGING.
6. CONTRACTOR SHALL RESTORE ROADWAY SURFACE TO MATCH THE EXISTING GRADE AND PAVEMENT SECTION AND PROVIDE JOINT SEALANT ON EACH SIDE OF THE TRENCH.
7. CONTRACTOR SHALL GAIN ACCEPTANCE FROM THE BOROUGH OR ENGINEER FOR ALL LIGHT POLE LOCATIONS PRIOR TO PERFORMING ANY SAWCUTTING OR TRENCHING IN ROADWAY.



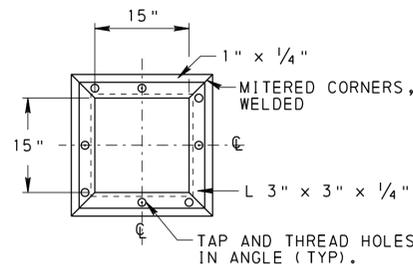
PLAN

(WITHOUT FRAME AND COVER PLATE)

SECTION A-A
TYPE JB-1

NOT TO SCALE

ITEM 0910-0001 JUNCTION BOXES J.B. -1



FRAME PLAN

(WITHOUT COVER PLATE)

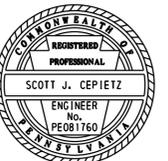
JUNCTION BOX NOTES:

1. JUNCTION BOX NOT SUBJECT TO VEHICULAR TRAFFIC.
2. FOR DETAILS, SEE PENNDOT PUBLICATION 72M, STANDARD DRAWINGS RC-81M.
3. GROUND EXPOSED METAL PARTS OF JUNCTION BOXES. USE GROUNDING LUGS. DO NOT CONNECT GROUND WIRE DIRECTLY TO LID.

NOTE:

1. SEE SHEET 2 FOR GENERAL NOTES, LEGEND AND UTILITY CONTACT INFORMATION.

**HIGHWAY LIGHTING PLAN
DETAILS
(1 OF 3)**



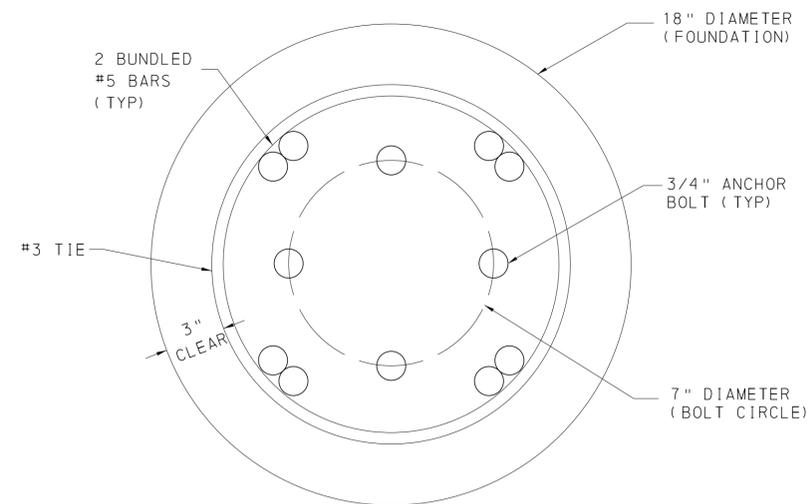
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	4 OF 7
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

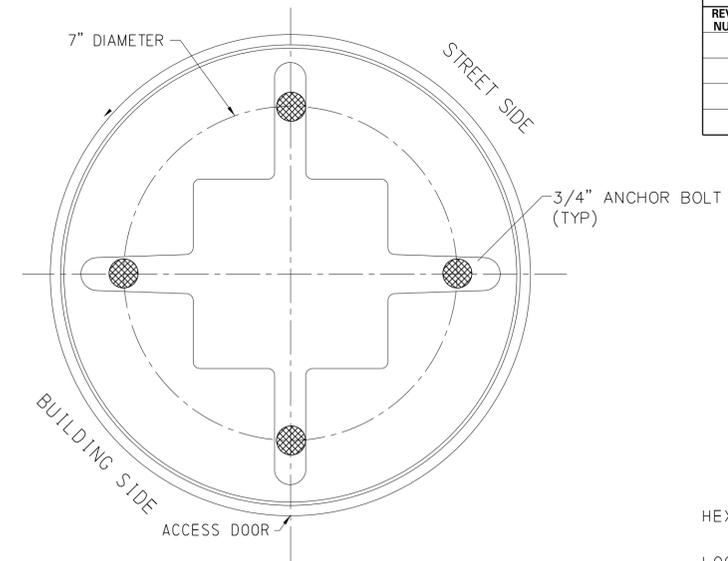
FOUNDATION NOTES:

1. ALL DIMENSIONS ARE IN FEET OR INCHES.
2. TOP OF FOUNDATIONS SHALL BE TROWELED SMOOTH AND LEVEL.
3. CONCRETE SHALL BE 3000 PSI AND BE VIBRATED. MINIMUM OF (2) SLEEVES REQUIRED FOR EACH CONCRETE FOUNDATION.
4. PROVIDE A 3/4" BY 10' GROUND ROD AT EACH POLE LOCATION. BOND ALL REINFORCEMENT AND GROUNDING CONDUCTORS AT EACH POLE TO ROD.
5. CONTRACTOR TO VERIFY OPENING SIZE IN POLE PRIOR TO SETTING CONDUIT SLEEVES.
6. CONTRACTOR TO VERIFY BOLT TEMPLATE BEFORE POURING CONCRETE.
7. CONTRACTOR SHALL USE A FORM RELEASE AGENT AND APPLY TO ALL SURFACES AS RECOMMENDED BY THE MANUFACTURER.



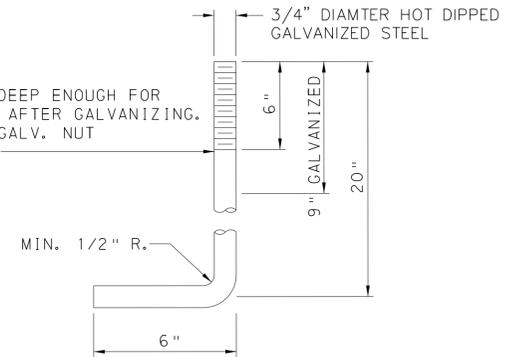
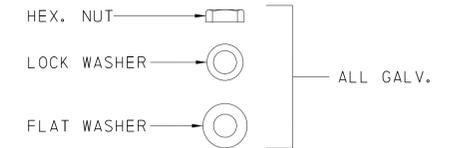
FOUNDATION DETAIL

NOT TO SCALE



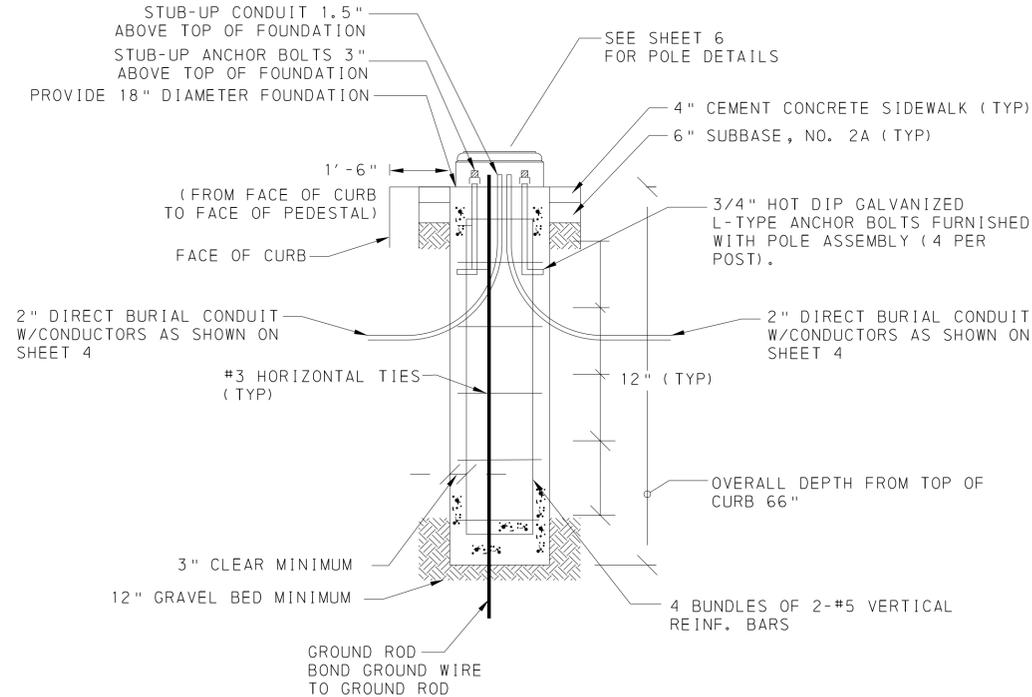
FOUNDATION BOLT CIRCLE PATTERN

NOT TO SCALE

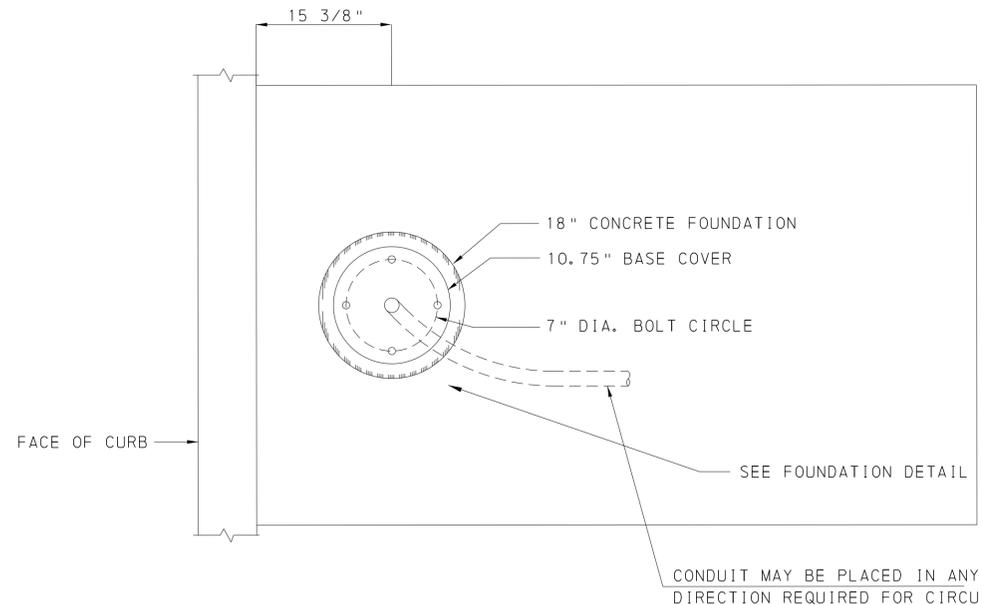


ANCHOR BOLT DETAIL

NOT TO SCALE



SECTION VIEW



PLAN VIEW

CONDUIT MAY BE PLACED IN ANY DIRECTION REQUIRED FOR CIRCUIT

NOTES:

1. CONCRETE BASE SHALL BE 3000 PSI AFTER 28 DAYS.
2. STEEL BENDS SHALL HAVE 50MIL COATING OR HALF-LAPPED WRAPPED.

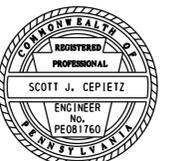
ITEM 9000-0051 BOROUGH OF COOPERSBURG LIGHT POLE FOUNDATION

NOT TO SCALE

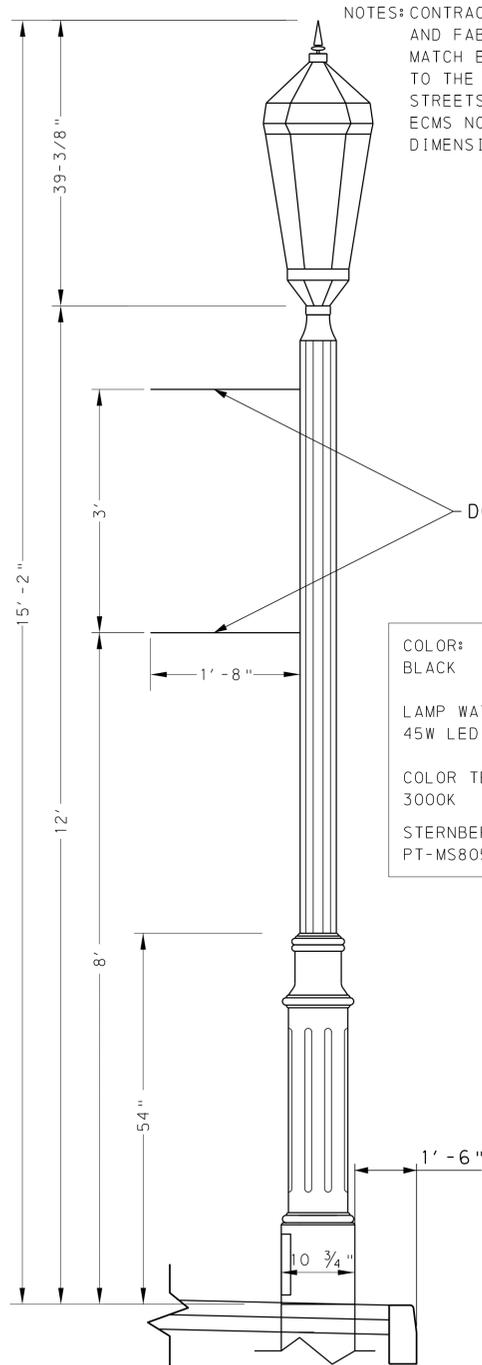
NOTE:

1. SEE SHEET 2 FOR GENERAL NOTES, LEGEND AND UTILITY CONTACT INFORMATION.

HIGHWAY LIGHTING PLAN DETAILS (2 OF 3)



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	5 OF 7
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

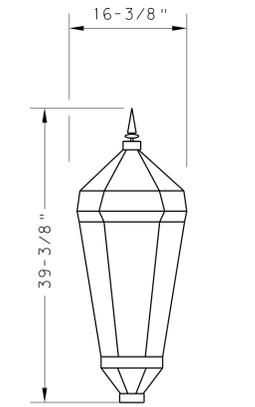


NOTES: CONTRACTOR IS TO COORDINATE WITH THE BOROUGH AND FABRICATOR TO ENSURE THAT THE LIGHT POLES MATCH EXACTLY IN APPEARANCE AND MATERIAL TYPES TO THE POLES THAT WERE INSTALLED IN THE COOPERSBURG STREETScape PHASE 2 PROJECT (SR 2026, SECTION CSP - ECMS NO. 107973). POLE IS TO MATCH IN MATERIAL, DIMENSIONS, FEATURES, AND COLOR.

COLOR: BLACK	LUMENS PER LAMP: 4089
LAMP WATTAGE: 45W LED	DISTRIBUTION: TYPE 2
COLOR TEMPERATURE: 3000K	
STERNBERG LIGHTING, MS805LED MAIN STREET SERIES PT-MS805BLED-BD5-12L30T2-MDL014-SV1 / BKT	

**ITEM 9000-0050
BOROUGH OF COOPERSBURG
LIGHT POLE AND LUMINAIRE**

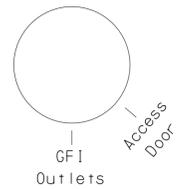
NOT TO SCALE



LUMINAIRE DETAIL

NOT TO SCALE

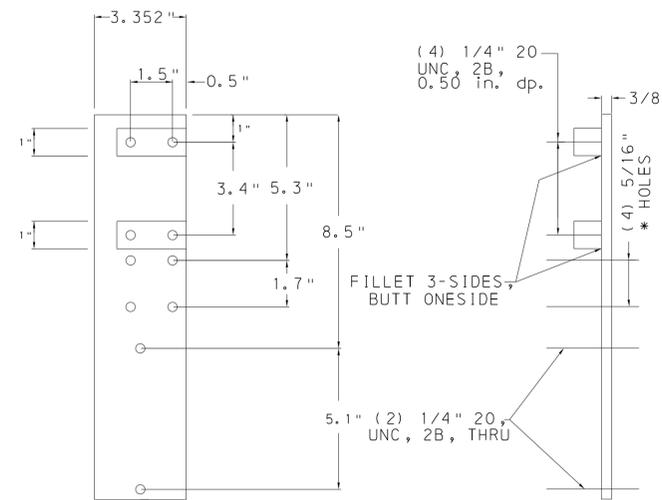
Street Side



POLE ORIENTATION DETAIL

NOT TO SCALE

ALUMINUM PLATE: ASTM B210-T6160
ALUMINUM WELD: 7ER4043

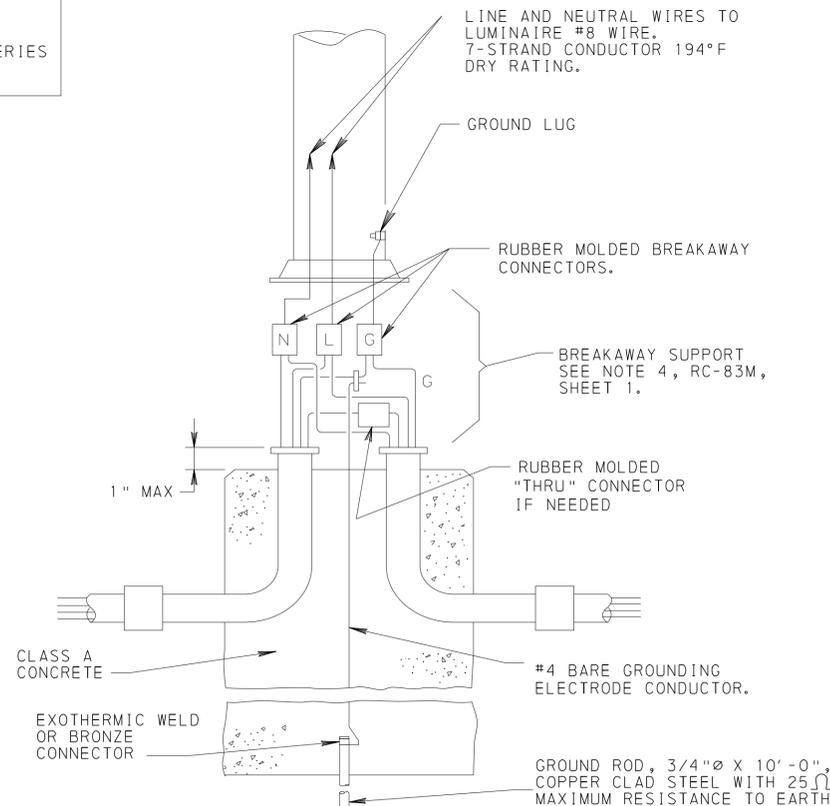


FRONT VIEW

SIDE VIEW

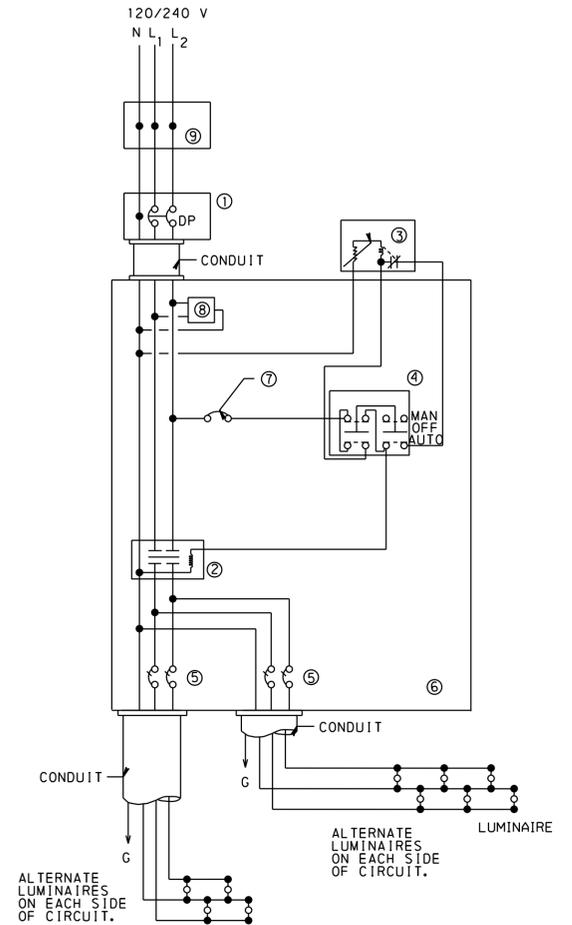
ALUMINUM MOUNTING PLATE

NOT TO SCALE



POLE WIRING DIAGRAM AT BASE

NOT TO SCALE

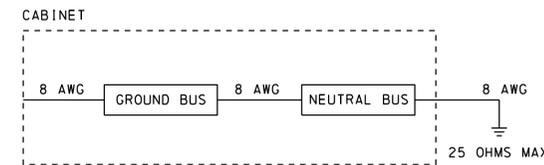


LIGHTING POWER AND CONTROL DIAGRAM

NOT TO SCALE

LEGEND

- N - NEUTRAL
- L1 - LINE 1
- L2 - LINE 2
- M - MANUAL
- A - AUTOMATIC
- 1 - MAIN DISCONNECT, 30 AMP.
- 2 - CONTROL CONTACTOR, 30 AMP.
- 3 - PHOTOELECTRIC CELL (PLUG-IN TYPE)
- 4 - SELECTOR SWITCH
- 5 - (2) SINGLE POLE CIRCUIT BREAKERS WITH HANDLE TIE, 20 AMP, 10 000 AIC
- 6 - CABINET, LIGHTING PANEL - 1
- 7 - 15 A, SP BREAKER
- 8 - LIGHTNING ARRESTER
- 9 - METERBASE-1
- SP - SINGLE POLE
- DP - DOUBLE POLE



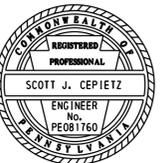
GROUNDING DIAGRAM

NOT TO SCALE

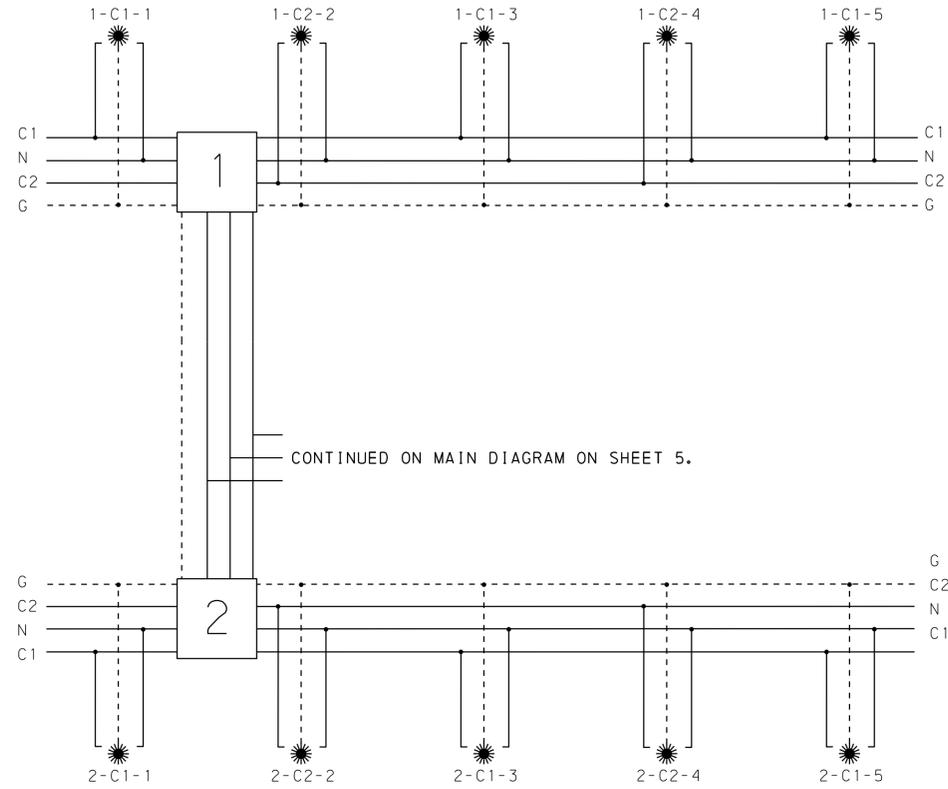
NOTE:

1. SEE SHEET 3 FOR GENERAL NOTES, LEGEND AND UTILITY CONTACT INFORMATION.
2. SEE SHEET 5 FOR FOUNDATION DETAILS.

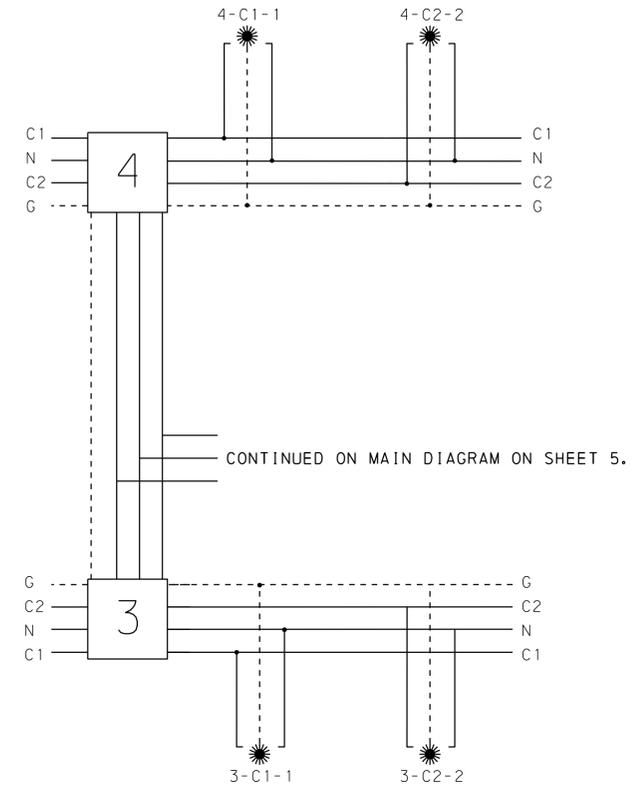
**HIGHWAY LIGHTING PLAN
DETAILS
(3 OF 3)**



DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	6 OF 7
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



LOCATION 1:
S. MAIN STREET FROM THOMAS STREET TO E. STATION AVENUE



LOCATION 2:
E. STATION AVENUE FROM S. MAIN STREET TO HORSE ALLEY

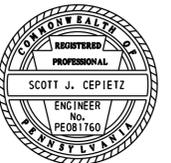
NOTES:

1. SEE SHEET 2 OF 7 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. SEE SHEET 7 FOR LAYOUT PLAN.

LEGEND

- ☼ PROPOSED 45W LED LUMINAIRE
- C1 CIRCUIT 1
- C2 CIRCUIT 2
- N NEUTRAL
- G GROUND

**HIGHWAY LIGHTING PLAN
WIRING DIAGRAM DETAILS**



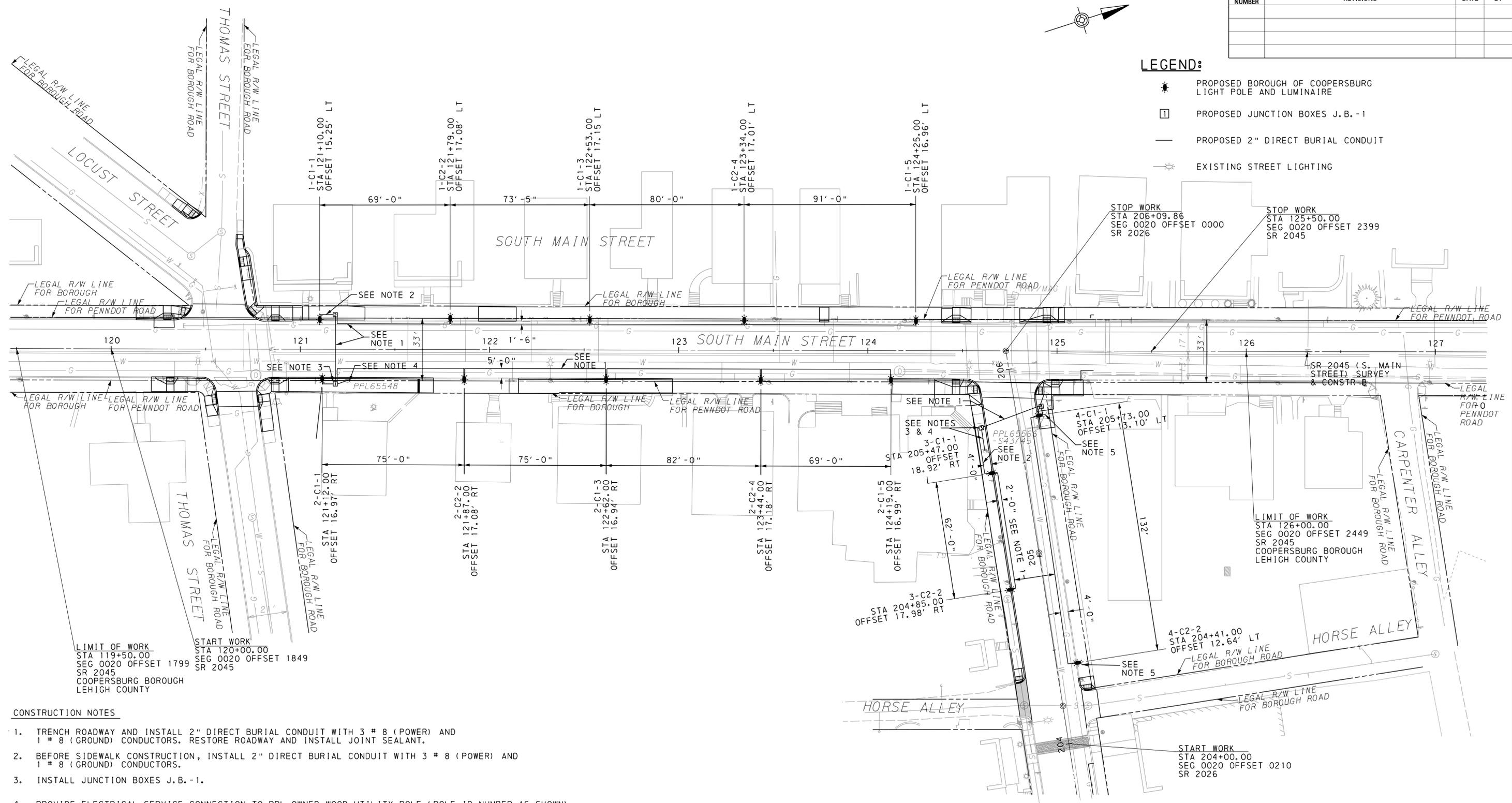
27-AUG-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	7 OF 7
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



- LEGEND:**
- PROPOSED BOROUGH OF COOPERSBURG LIGHT POLE AND LUMINAIRE
 - PROPOSED JUNCTION BOXES J.B. -1
 - PROPOSED 2" DIRECT BURIAL CONDUIT
 - EXISTING STREET LIGHTING

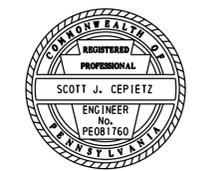


CONSTRUCTION NOTES

1. TRENCH ROADWAY AND INSTALL 2" DIRECT BURIAL CONDUIT WITH 3 # 8 (POWER) AND 1 # 8 (GROUND) CONDUCTORS. RESTORE ROADWAY AND INSTALL JOINT SEALANT.
2. BEFORE SIDEWALK CONSTRUCTION, INSTALL 2" DIRECT BURIAL CONDUIT WITH 3 # 8 (POWER) AND 1 # 8 (GROUND) CONDUCTORS.
3. INSTALL JUNCTION BOXES J.B. -1.
4. PROVIDE ELECTRICAL SERVICE CONNECTION TO PPL OWNED WOOD UTILITY POLE (POLE ID NUMBER AS SHOWN). CONTRACTOR SHALL CONTACT PPL REPRESENTATIVE AT LEAST THREE DAYS PRIOR TO CONSTRUCTION. INSTALL 1-2" PVC CONDUIT RISER, CONDUCTORS, SERVICE DISCONNECT AND OTHER EQUIPMENT ON WOOD UTILITY POLE PER PPL CUSTOMER REFERENCE SPECIFICATION DETAIL 6-10-165-D.
5. TYPICAL LUMINAIRE SPACING CANNOT BE MET DUE TO DEPRESSED CURB DRIVEWAY ENTRANCE.



HIGHWAY LIGHTING PLAN LAYOUT

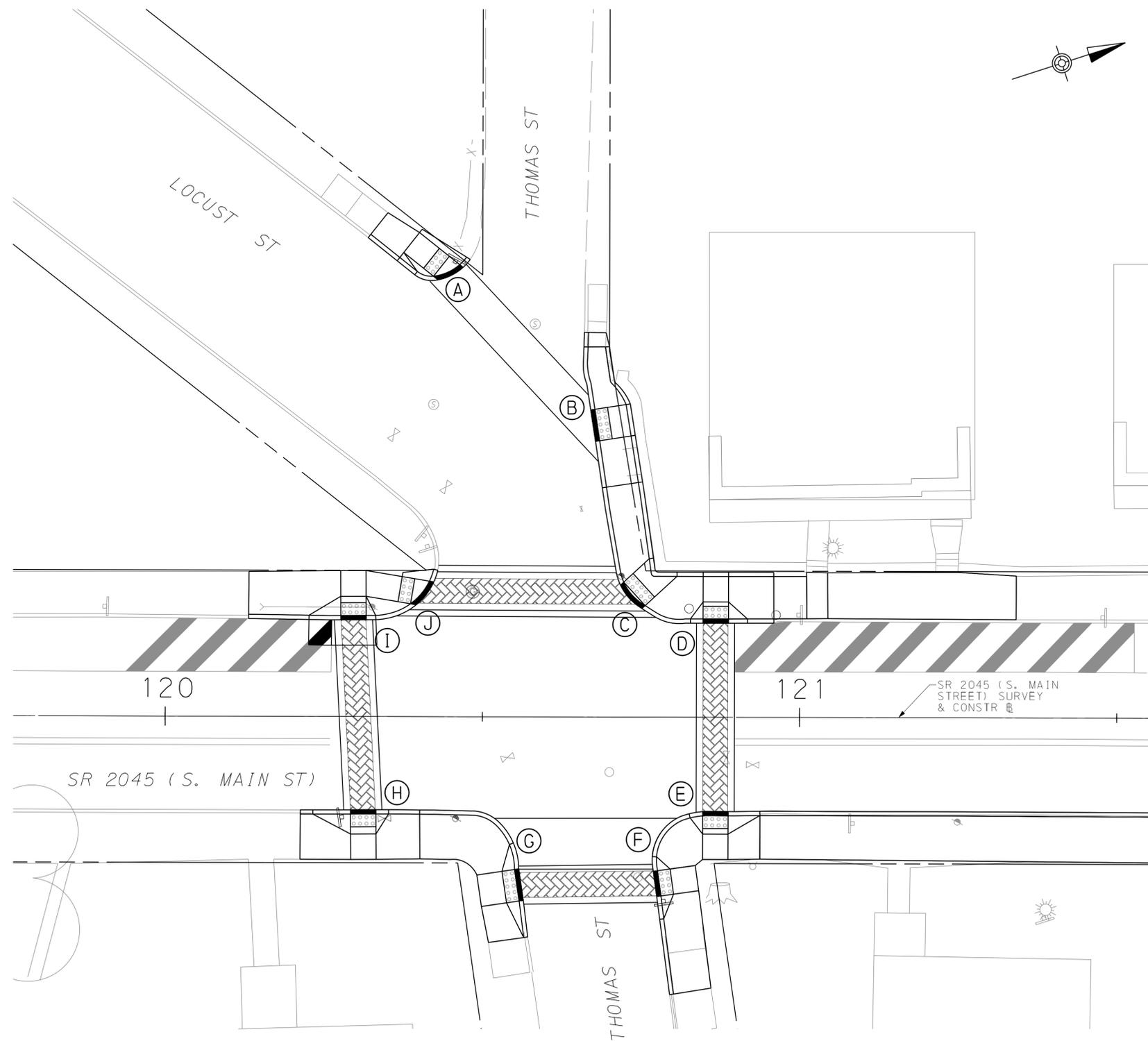


07-JUL-2021

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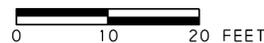
DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	1 OF 9
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

EPS# 211163



LEGEND:

-  FLUSH DEPRESSED CURB
-  DETECTABLE WARNING SURFACE
-  CURB RAMP IDENTIFIER



**ADA PLAN
HIGHWAY OCCUPANCY PERMIT
OVERVIEW DETAIL
MAIN ST, THOMAS ST & LOCUST ST**

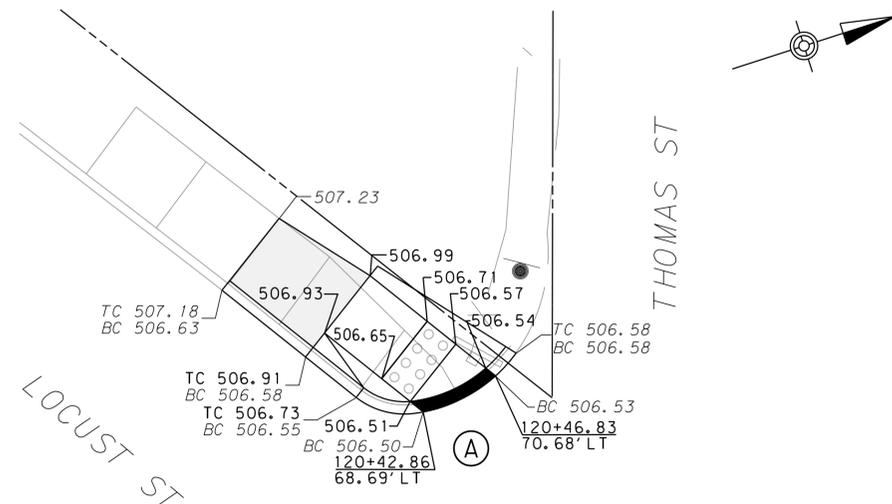


10/8/2021

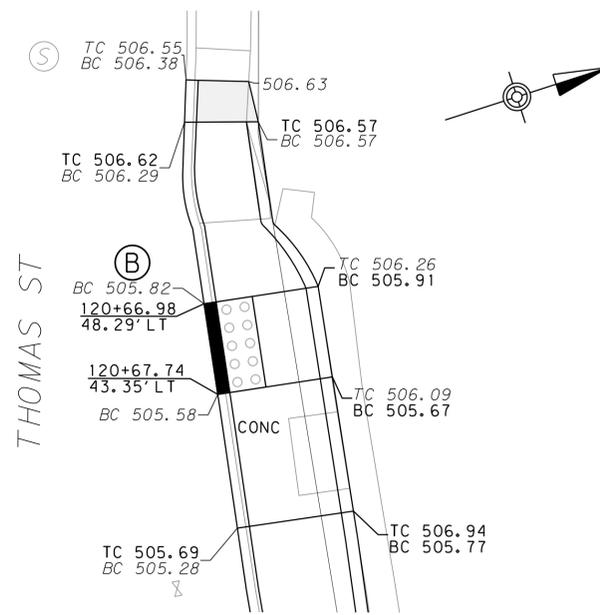
07-JUL-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	2 OF 9
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



SR 2026-ELEVATION DETAIL

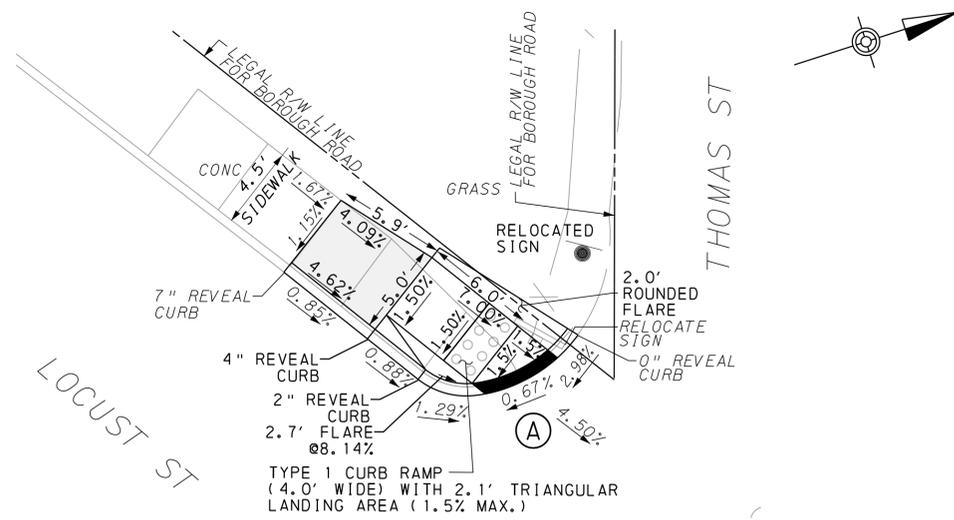


SR 2026-ELEVATION DETAIL

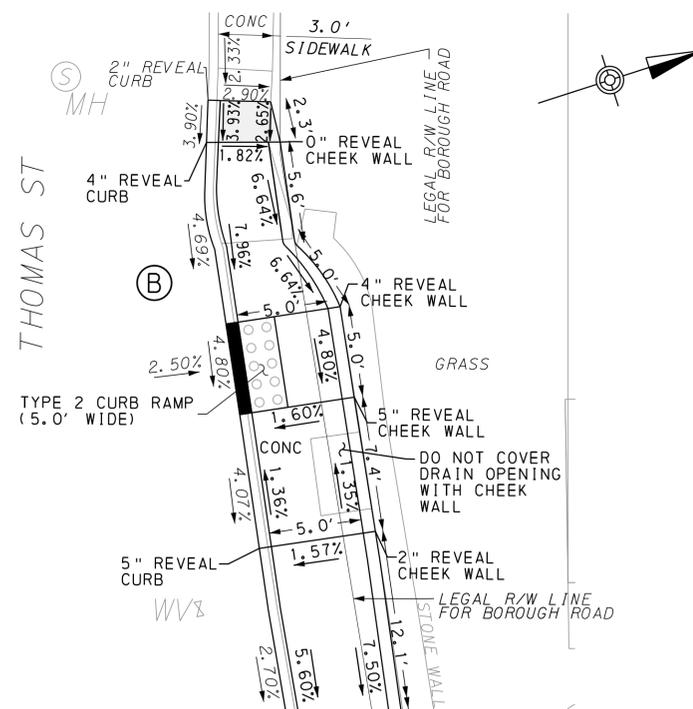


LEGEND:

- SIDEWALK/TRANSITION AREA
- FLUSH DEPRESSED CURB
- DETECTABLE WARNING SURFACE
- CURB RAMP IDENTIFIER
- EXISTING SIGN
- PROPOSED SIGN



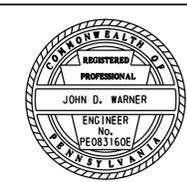
SR 2026-SLOPE AND WIDTH DETAIL



SR 2026-SLOPE AND WIDTH DETAIL



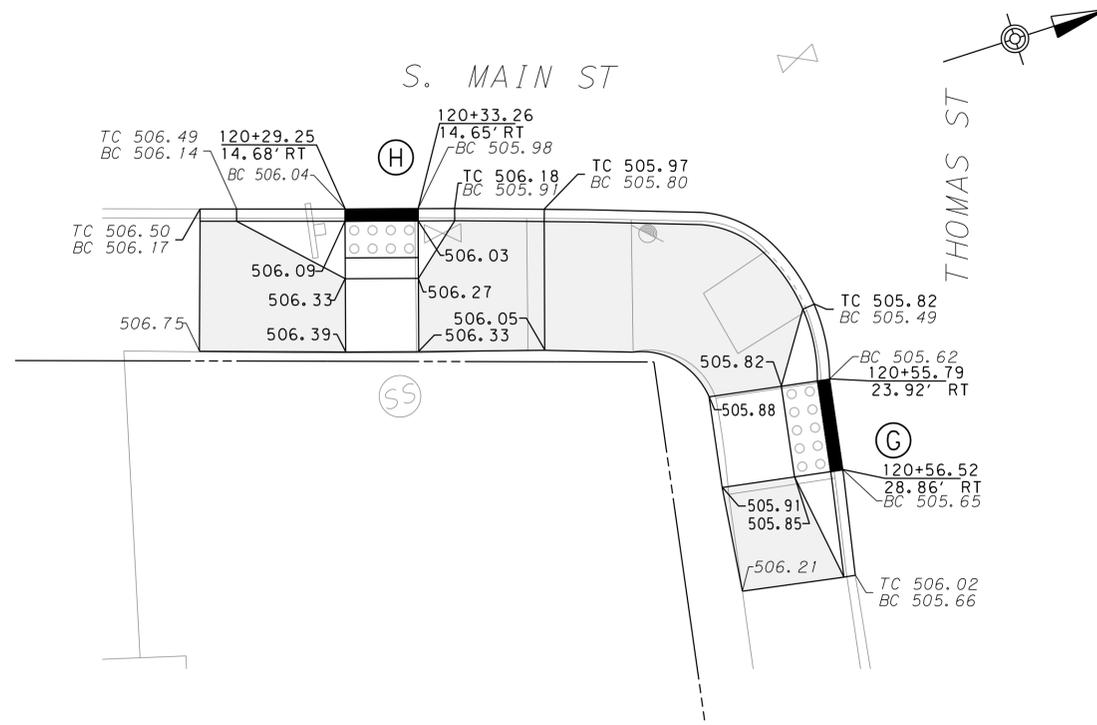
ADA PLAN
HIGHWAY OCCUPANCY PERMIT
ELEVATION, SLOPE & WIDTH DETAILS
MAIN ST, THOMAS ST & LOCUST ST



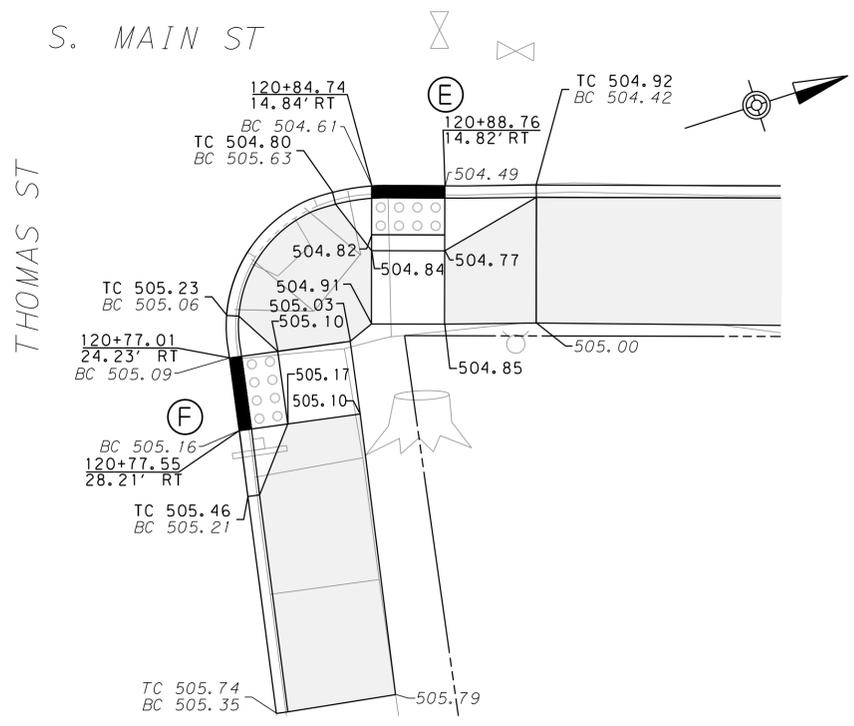
07-JUL-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	4 OF 9
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



SR 2026-ELEVATION DETAIL

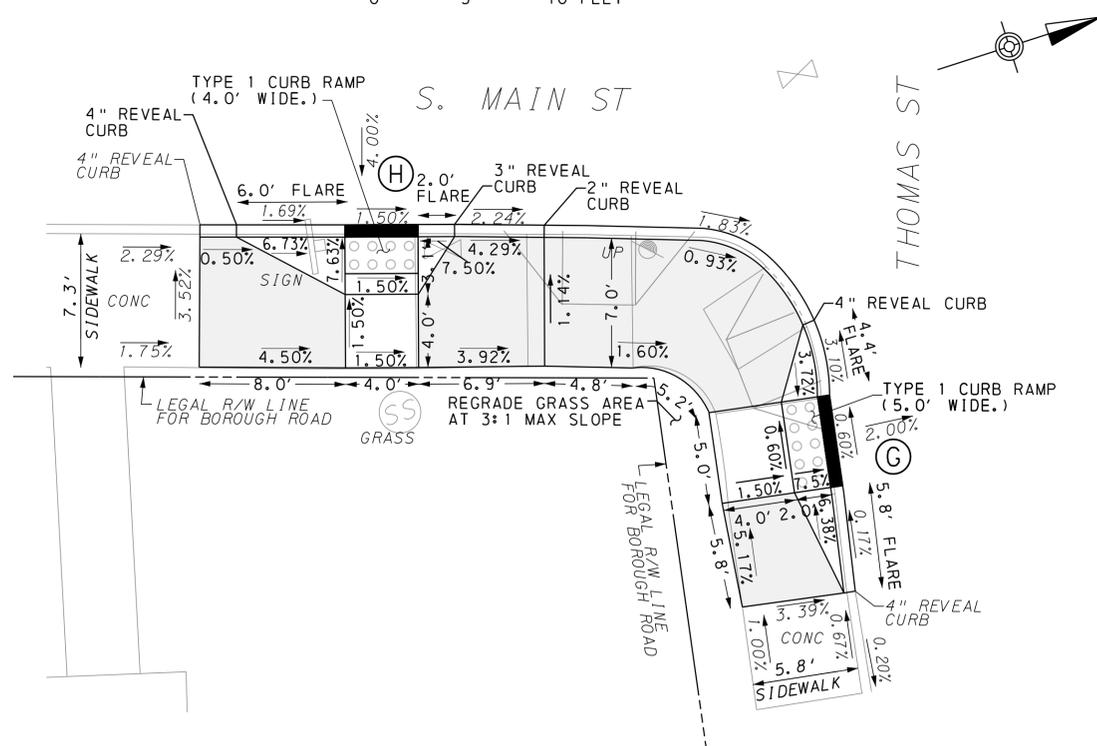


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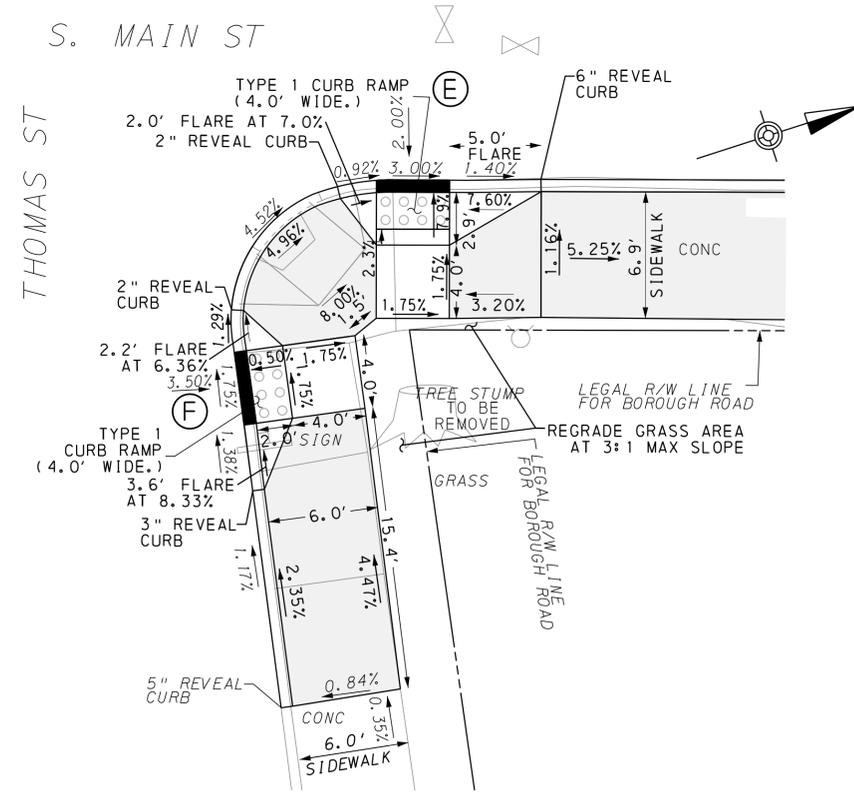


LEGEND:

- SIDEWALK/TRANSITION AREA
- FLUSH DEPRESSED CURB
- DETECTABLE WARNING SURFACE
- CURB RAMP IDENTIFIER
- EXISTING SIGN
- PROPOSED SIGN



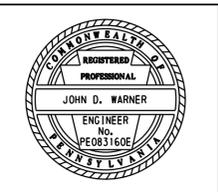
SR 2026-SLOPE AND WIDTH DETAIL



SR 2026-SLOPE AND WIDTH DETAIL



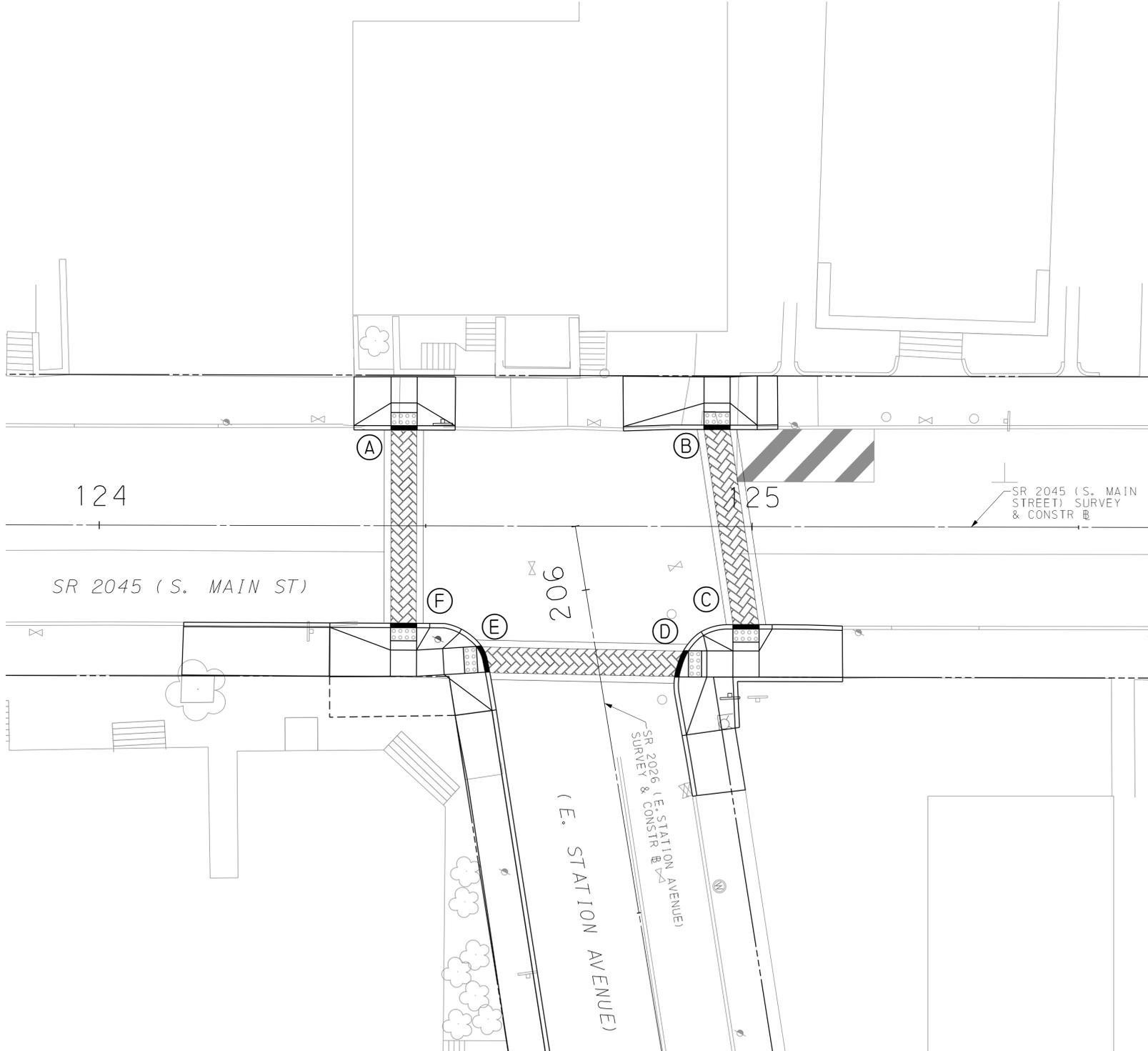
ADA PLAN
HIGHWAY OCCUPANCY PERMIT
ELEVATION, SLOPE & WIDTH DETAILS
MAIN ST, THOMAS ST & LOCUST ST



07-JUL-2021

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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	5 OF 9
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



LEGEND:

-  FLUSH DEPRESSED CURB
-  DETECTABLE WARNING SURFACE
-  CURB RAMP IDENTIFIER



**ADA PLAN
HIGHWAY OCCUPANCY PERMIT
OVERVIEW DETAIL
MAIN ST & SR 2026 (E. STATION AVE)**

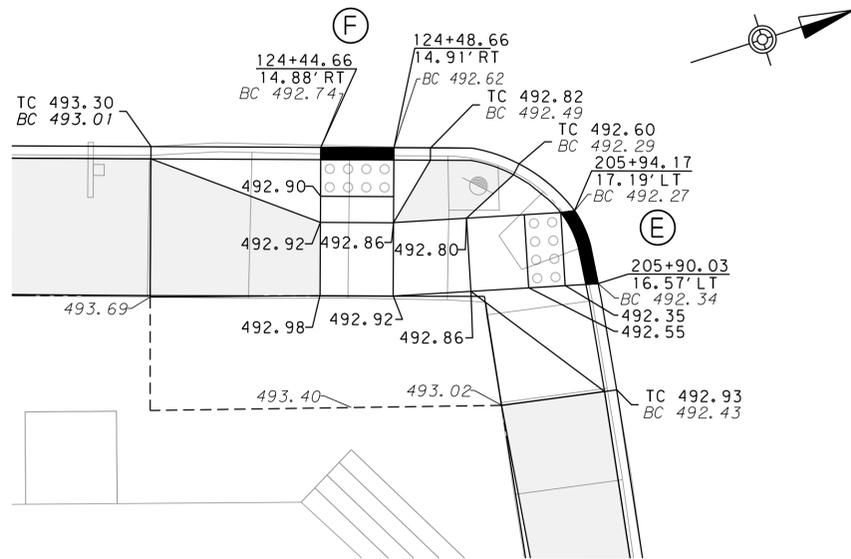


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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	7 OF 9
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	

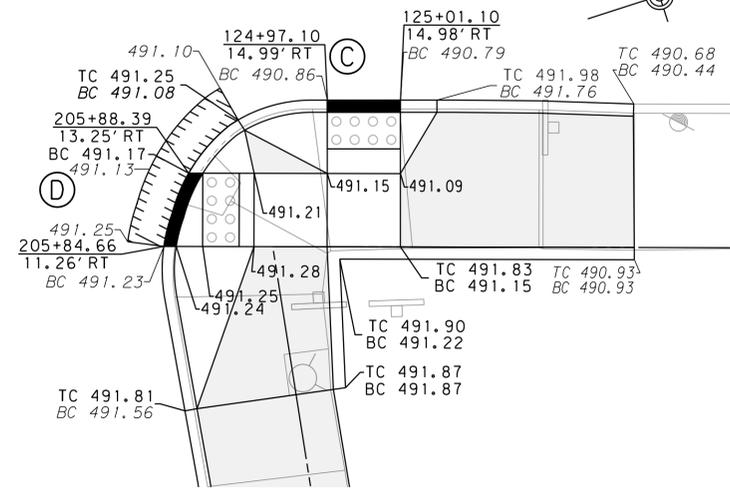
SR 2045 (S. MAIN ST)



SR 2026-ELEVATION DETAIL



SR 2045 (S. MAIN ST)



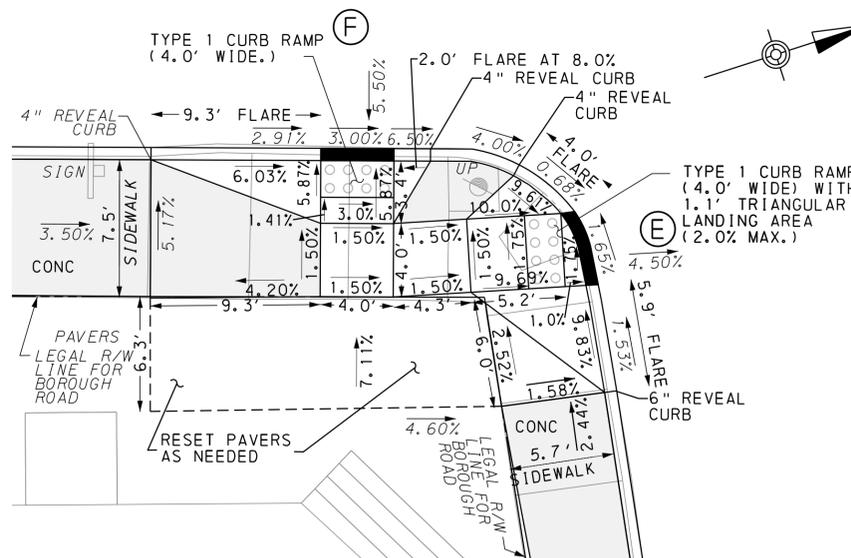
SR 2026-ELEVATION DETAIL



LEGEND:

- SIDEWALK/TRANSITION AREA
- FLUSH DEPRESSED CURB
- DETECTABLE WARNING SURFACE
- CURB RAMP IDENTIFIER
- EXISTING SIGN
- PROPOSED SIGN
- PAVEMENT ADJUSTMENT

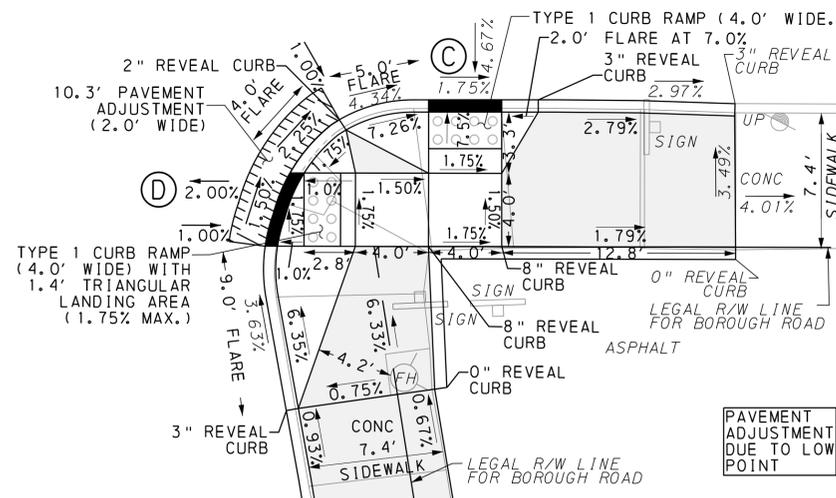
SR 2045 (S. MAIN ST)



SR 2026-SLOPE AND WIDTH DETAIL



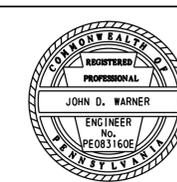
SR 2045 (S. MAIN ST)



SR 2026-SLOPE AND WIDTH DETAIL



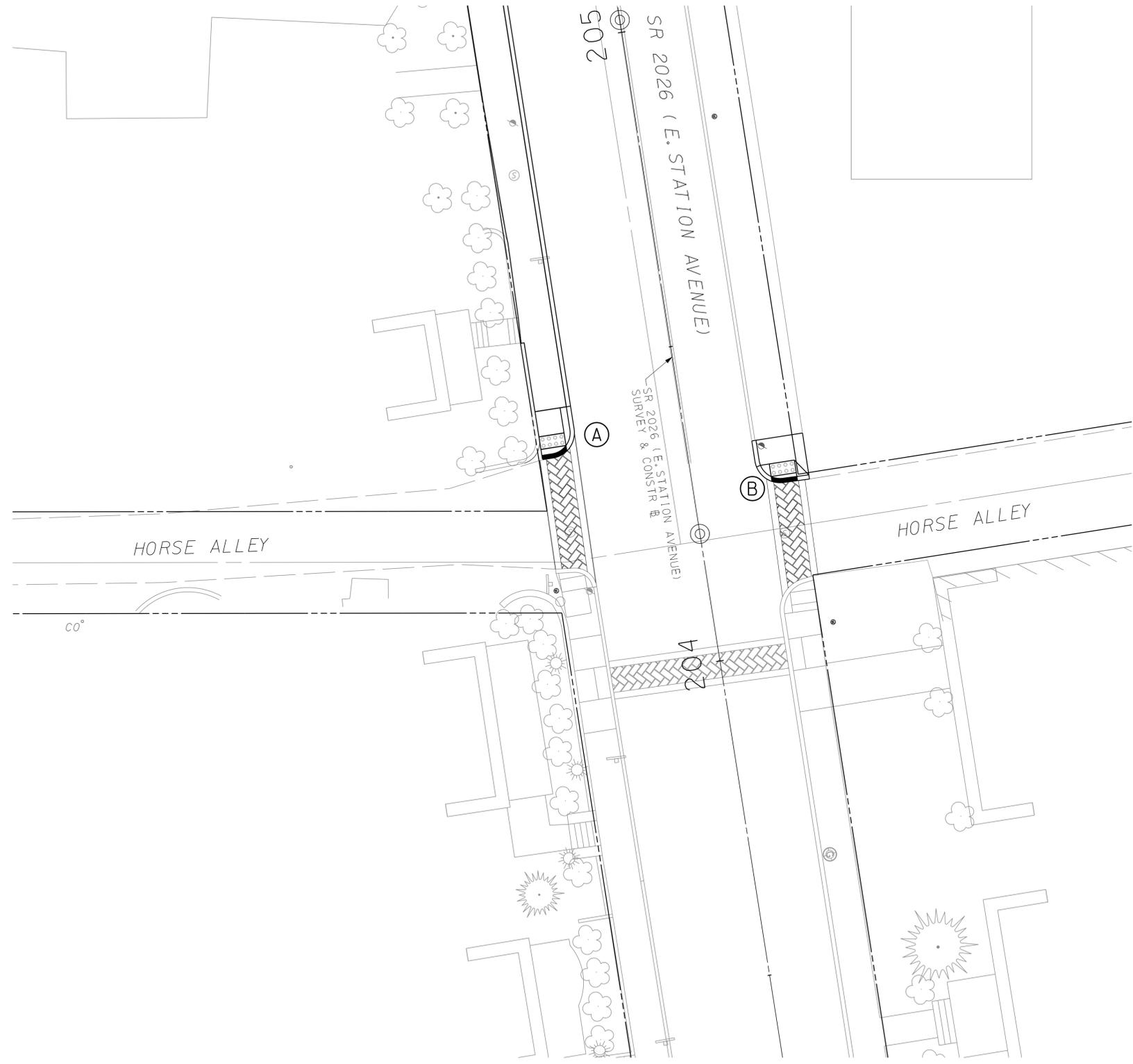
ADA PLAN
HIGHWAY OCCUPANCY PERMIT
ELEVATION, SLOPE & WIDTH DETAILS
MAIN ST & SR 2026 (E. STATION AVE)



07-JUL-2021

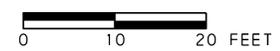
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	8 OF 9
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



LEGEND:

-  FLUSH DEPRESSED CURB
-  DETECTABLE WARNING SURFACE
-  CURB RAMP IDENTIFIER



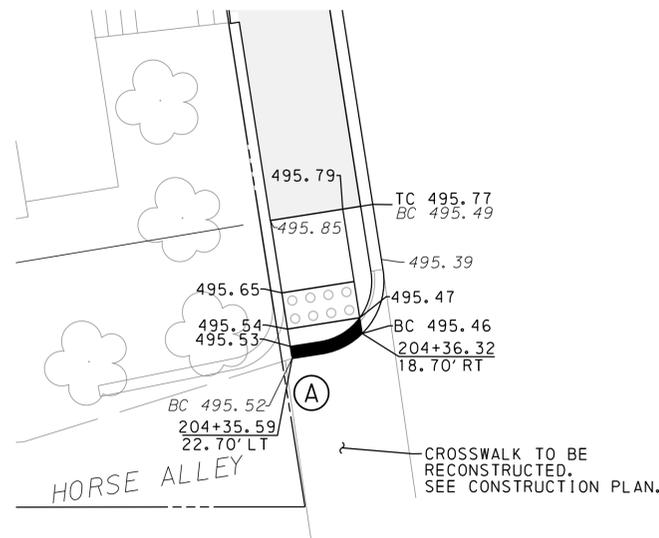
**ADA PLAN
HIGHWAY OCCUPANCY PERMIT
OVERVIEW DETAIL
SR 2026 (E. STATION AVE) & HORSE ALLEY**



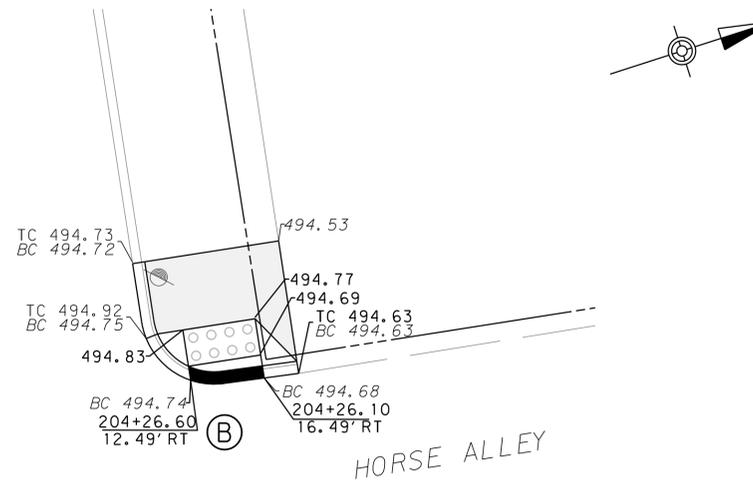
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DISTRICT	COUNTY	ROUTE	SECTION	SHEET
5-0	LEHIGH	2045	CS1	9 OF 9
BOROUGH OF COOPERSBURG				
REVISION NUMBER	REVISIONS	DATE	BY	



SR 2026-ELEVATION DETAIL

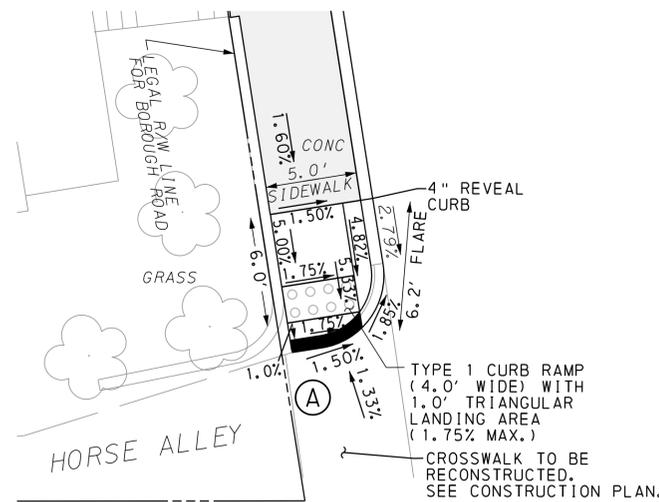


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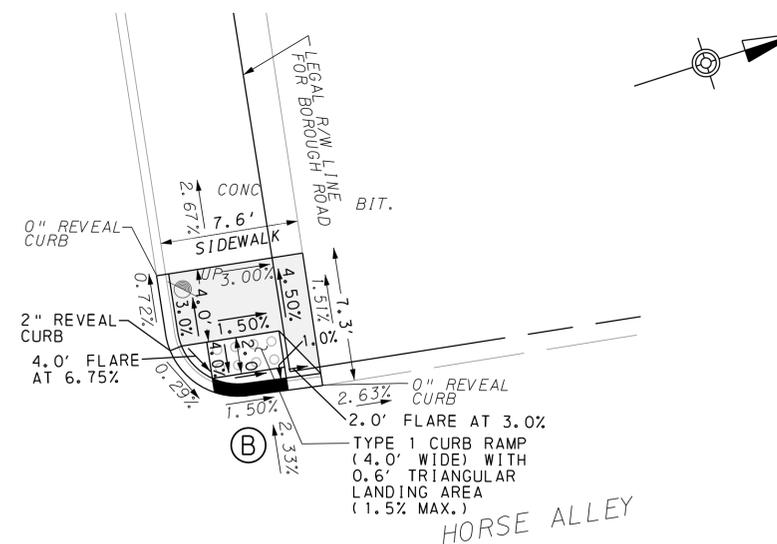


LEGEND:

- DETECTABLE WARNING SURFACE
- CURB RAMP IDENTIFIER
- PROPOSED SIDEWALK



SR 2026-SLOPE AND WIDTH DETAIL



SR 2026-SLOPE AND WIDTH DETAIL



**ADA PLAN
HIGHWAY OCCUPANCY PERMIT
ELEVATION, SLOPE & WIDTH DETAILS
SR 2026 (E. STATION AVE) & HORSE ALLEY**

