GENERAL NOTES:
2. DESIGN IS IN ACCORDANCE WITH THE LRFD METHOD.

GENERAL:
1. PROVIDE 2 IN. CONCRETE COVER ON REINFORCEMENT BARS, EXCEPT AS NOTED.
2. USE CLASS AAA CEMENT CONCRETE IN SIDEWALK SECTION.
3. USE CLASS A CEMENT CONCRETE IN LEVELING PAD FOR T-WALL SECTION.
4. A HIGHER CLASS CONCRETE MAY BE SUBSTITUTED FOR A LOWER CLASS CONCRETE AT NO ADDITIONAL COST TO THE CONTRACTOR.
5. PROVIDE GRADE 60 REINFORCING STEEL BARS THAT MEET THE REQUIREMENTS OF ASTM A 615, A 616 AND T 106. DO NOT WELDGRADE 60 REINFORCING STEEL BARS UNLESS SPECIFIED. GRADE 40 REINFORCING STEEL BARS MAY BE SUBSTITUTED WITH A PROPORTIONAL INCREASE IN CROSS-SECTIONAL AREA, IF APPROVED BY THE CHIEF BRIDGE ENGINEER. DO NOT USE WELD-ON REINFORCEMENT BARS WHERE BENDING OR MOLDING OF THE REINFORCEMENT BARS IS INDICATED.
6. MOLDING OF REINFORCEMENT BARS DURING FABRICATION OR CONSTRUCTION IS NOT PERMITTED UNLESS SPECIFIED.
7. EPOXY COAT ALL REINFORCEMENT BARS.
8. MAKE-FINISH ALL HORIZONTAL CONSTRUCTION JOINTS, EXCEPT AS INDICATED.
9. CHAMFER EXPOSED CONCRETE EDGES 1 IN. BY 1 IN., EXCEPT AS NOTED.
10. ALL DIMENSIONS SHOWN ARE HORIZONTAL, EXCEPT AS NOTED.
11. ALL DIMENSIONS SHOWN ARE FOR A NORMAL TEMPERATURE OF 68°F.
12. PROVIDE MINIMUM LAP AND ENHANCEMENT LENGTH OF 30 DIAMETERS OR IN ACCORDANCE WITH ANSI/D1.1, MODIFIED BY DM-4, WHOEVER IS GREATER.
13. APPLY PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES (BOILED LINSEED OIL) TO THE SIDEWALK AND RAILING CURB.
14. CONSTRUCTION DETAILS OTHER THAN THOSE SHOWN WILL CONFORM TO THE CURRENT DEPARTMENT'S STANDARD BRIDGE CONSTRUCTION EBC-TOWN SERIES DRAWINGS.
15. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE SAFE ERECTION AND CONSTRUCTION OF ALL STRUCTURAL COMPONENTS. PROVIDE ALL NECESSARY BRACING AND SUPPORT.

UTILITY NOTES:
1. COORDINATE, LOCATE AND CONDUCT ALL WORK RELATED TO PUBLIC AND PRIVATE UTILITIES IN ACCORDANCE WITH PUBLICATION 400/2000, SECTION 105.01 AND 105.12.

FOUNDATION NOTES:
1. ALL EXCAVATIONS SHALL CONFORM TO THE CURRENT OSHA OR OTHER APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE STABILITY OF THE EXCAVATIONS.
2. PROVIDE ADEQUATE WATER DIVERSION AND DewaterING METHODS DURING EXCAVATION AND CONSTRUCTION.
3. THE ACTUAL BEARING CONDITIONS AT THE FOUNDATION BOTTOM ELEVATION SHOULD BE INSPECTED IN THE FIELD UNDER THE SUPERVISION OF A QUALIFIED PROFESSIONAL GEOTECHNICAL ENGINEER.

T-WALL RETAINING WALL SYSTEM NOTES:
2. DESIGN AND CONSTRUCTION OF THE T-WALL SECTION SHALL BE CONFORM TO THE SPECIAL PROVISIONS.

FOUNDERATION DESIGN NOTES:
- FACTORED BEARING RESISTANCE = 3.3 TFS
- BEARING CAPACITY RESISTANCE FACTOR, K = 0.35
- SLIDING RESISTANCE FACTOR, W = 0.90
- ELASTIC MODULUS, E = 600 TFS
- POISSON'S RATIO, V = 0.30
- INTERNAL FRICTION ANGLE, ø = 34°

NOTES:
- FOR GENERAL PLANS, SEE SHEET 1.
- FOR STAKEOUT PLAN, SEE STRUCTURE 2 15-246893, SHEET 4.
- FOR SOIL EROSION INFORMATION, SEE STRUCTURE 2 15-246893, SHEETS 13, 14, 15, AND 16.

BARGE QUANTITY NOTES:
- 1) TABULATION OF BRIDGE BID ITEMS AND APPROXIMATE QUANTITIES GIVE FOR INFORMATION ONLY.
- 2) ALL JOINT MATERIAL AS WELL AS THE C.C. & S. REQUIRED FOR THE SIDEWALK SECTION, ARE INCIDENTAL TO CLASS AAA CEMENT CONCRETE.
- 3) PROTECTIVE COATING FOR REINFORCED CONCRETE SURFACES FOR EXPOSED FACES OF WALK, SLAB, SIDEWALK AND RAILING CURB.
- 4) SEE SPECIAL PROVISIONS.

COMMONWEALTH OF PENNSYLVANIA DEPARTMENT OF TRANSPORTATION
BUCKS COUNTY
S.R. 2023 SECTION EXT.
SEGMENT 001 OFFSET 657.53
GALLOWAY ROAD STA. 505+60.00
OVER TRIBUTARY TO NEHAWAY CREEK
PREFABRICATED T-WALL RETAINING WALL
GENERAL NOTES AND QUANTITIES
RECOMMENDED SHEET 2
S - 2