

PHASE 6 BIKEWAY ALONG LAKEVIEW DRIVE (C.R. 561)

SEGMENT 'A' : FROM BLOCK 18.07, LOT 12 (LAKEVIEW DRIVE (C.R. 561)) TO GENERATIONS MEMORIAL PARK
 LENGTH OF SEGMENT: 837 ± L.F./0.16± MILES
 STA. 1+00/M.P. 39.21± TO STA. 9+37 /M.P. 39.37±

AND

SEGMENT 'B': FROM FREEDOM VILLAGE (LAKEVIEW DRIVE (C.R. 561)) TO CLEMENTON ROAD (C.R. 686)
 LENGTH OF SEGMENT: 943± L.F./0.18± MILES
 STA. 20+00/M.P. 39.45± TO STA. 29+43/M.P. 39.63±

Borough of Gibbsboro, Camden County, New Jersey

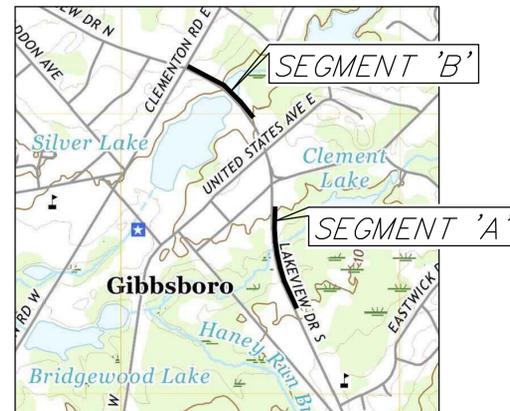
PLATE 6, BLOCK 18.07, LOTS 9, 10, 11, & 12

PLATE 4, BLOCK 8.02, LOTS 3.01, 3.02, 3.14, & 5
 BLOCK 8.03 LOT 6.01

TOTAL LENGTH OF PROJECT: 1,665± L.F./0.32± MILES

General Construction Notes:

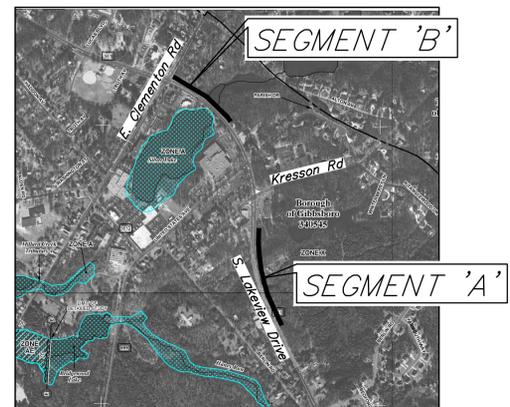
- All clearing items (trees, stumps, concrete, etc.) shall be removed from the project and disposed of at a lawful disposal site to be furnished by the contractor, at his expense.
- The Contractor shall procure all required permits, licenses and inspections. Contractor shall be responsible for all charges and fees as well as, give notices necessary for all incidentals for project. County Road Opening Permits, Soil Conservation Permits, N.J.D.E.P. Freshwater Wetlands, & N.J.D.E.P. Flood Hazard Area Permits shall be obtained by the Municipality at no cost to the Contractor.
- All construction debris (asphalt, concrete, etc.) must be removed from the project site prior to the end of each day to eliminate any potential hazards.
- All demolition/ removal items (concrete, asphalt, etc.) shall be removed from the project and disposed of at a lawful disposal site, provided by the contractor, at his expense.
- Excess excavated materials shall be delivered to a lawful site location, provided by the Contractor at his expense.
- The quantities of all asphalt or concrete, which is to be recycled, must be reported to the Municipality and County.
- All areas disturbed/damaged by the Contractor, shall be returned to its original condition or better, by the Contractor, at his expense.
- The location of all existing utility lines, mains, services, appurtenances must be verified by the Contractor prior to the commencement of construction. The Contractor shall perform test pits in the presence of the Construction Engineer. The Contractor shall be responsible for the repair of any damage caused by his operations. He shall notify the respective utility company for location markout prior to any excavation and the performance of the above mentioned test pits.
- The Contractor is required to perform the proper notification of New Jersey One - Call at 1-800-272-1000 prior to excavation for the purpose of identifying the location of underground facilities. This requirement is in accordance with the Underground Facilities Protection Act (P.L. 1994 c. 118). Any and all utilities not subscribing to the New Jersey One - Call shall be contacted individually. No work shall commence without proper notifications and verification of all markouts being performed.
- All Utility Contractors shall procure all required permits, licenses and inspections, pay all charges and give notices necessary for all incidentals to the due and lawful prosecution of the project.
- The Contractor shall be required to coordinate his work with any and all utility companies in order to eliminate any conflicts and/or delays.
- The Contractor shall be responsible for properly backfilling and compacting all trenches. No trenches shall be left open after construction hours for the day. All construction areas are to be kept in a condition that allows for safe movement of all vehicular and pedestrian traffic. (There will be no specific payment for this item, cost to be included in the price for the various items in the Proposal.)
- All areas adjacent to newly installed concrete curbing, sidewalk, etc., shall be backfilled to finished grade prior to the end of each day to eliminate any potential hazards. (There will be no specific payment for this item, cost to be included in the price for various items in the Proposal.)
- All areas of disturbance shall be graded so as to eliminate any mounds and/or depressions prior to the end of each day to eliminate any potential hazards. (There will be no specific payment for this item, cost to be included in the price for the various items in the Proposal.)
- In accordance with the "Maintenance and Protection of Pedestrian and Vehicular Traffic" specification, the Contractor shall maintain "two (2) lanes of traffic, a minimum of 10 feet wide each, during all other hours." The Contractor shall provide the Engineer with a Staging Plan with the proper traffic control measures to protect both pedestrian and vehicular traffic, during all other hours. The Staging Plan shall be submitted to the Engineer and Chief of Police prior to the commencement of construction for approval.
- Barricades, lighting devices and other traffic control devices shall be placed in accordance with and shall conform to Section 110, New Jersey Department of Transportation Traffic Control Standard Specifications for Road and Bridge Construction, Part 6 of the current M.U.T.C.D. and Work Zone Traffic Control (US Department of Transportation).
- Traffic/ pedestrian control devices and equipment shall be placed in accordance with all applicable Federal, State, County and Municipal regulations.
- All signs which are removed during construction shall be reset either temporarily or permanently prior to the end of each day. (There will be no specific payment for this item, cost to be included in the price of various items in the Proposal.)
- Temporary line striping shall be provided in order to maintain traffic flow, safety and convenient passage of traffic through project. A minimum of a 10' wide lane in each direction shall be provided during construction. Should Police Traffic Directors be required, their services shall be paid for by the Municipality at no cost to the Contractor.
- The Contractor shall not store any materials or equipment along the street or which interferes with the daily activities of the residents. In addition, the Contractor shall not be permitted, at any time, to stockpile any materials or park any equipment within the municipal or county right-of-way after hours. The Contractor shall provide a location for staging areas and equipment storage outside of the right-of-way without creating a hazardous condition, at his expense.
- The Contractor shall schedule the roadway reconstruction and concrete curb trenches so that they are backfilled with dense graded aggregate with ramping at the end of each day so as to maintain vehicular and pedestrian access. The Contractor shall also install the necessary steel plates over roadway trenches, and roadway repairs at the end of each day so as to maintain vehicular and pedestrian access. NO OVERNIGHT CLOSURES WILL BE PERMITTED UNLESS APPROVED BY THE CHIEF OF POLICE.
- Pavement trenches shall be filled with temporary pavement, 2" thick to provide a smooth surface. The Temporary trench pavement shall be maintained by the Contractor on an as needed basis and as directed by the Engineers.
- The Contractor must utilize a trench box where necessary, in accordance with the U.S. Department of Labor, Occupational Safety and Health Administration, 1990, revised (29CFR Part 1926).
- All concrete curb and sidewalk designated for removal, shall be taken from the nearest joint, as necessary, to install proposed improvements.
- Where no joints exist on concrete drives or sidewalk, the edge shall be sawcut along straight lines before excavation or paving.
- Paving shall be sawcut, vertically, along straight lines before excavating. Where new pavement meets existing pavement the joint shall be sealed with an approved joint sealer.
- The Contractor must request grade stakes at least ten (10) days prior to the start of construction. Failure to provide proper notice may result in construction delays, with no compensation for construction delays.
- The Contractor shall not be permitted to work on Saturdays, Sundays or holidays. Should the Contractor obtain permission from the Municipality to do so, he shall be required to pay the Engineer for the Inspector's overtime. The hours of operation shall be from 7:00 a.m. to 4:00 p.m.
- Inspections or failures to inspect any materials or workmanship by Municipal or County Officials shall in no way relieve the Contractor of his responsibilities to perform the work in accordance with applicable plans, specifications and laws.
- All concrete shall be N.J.D.O.T. Class "B", 28 day compressive strength.
- The General Contractor is Designated as the "Responsible Person in Charge of Construction" and the site supervisor responsible for construction site safety during the course of site improvements pursuant to N.J.A.C. 5: 23-2.21 (c) and (d) of the N.J. Uniform Construction Code.
- The Contractor and all subcontractors shall comply with the Public Works Contractor Registration Act (P.L. 1999, c. 238 N.J.S.A. 34:11 - 56.49 et seq.) & New Jersey Business Registration Requirements of Public Contractors (N.J.S.A. 40A:11-23.2). (There will be no specific payment for this item, cost to be included in the price of the various items in the Proposal.)
- The Contractor shall email submittals two (2) weeks prior to the commencement of construction for all items for review by the Engineer.
- The Contractor shall video record, with audio description, the entire project limits to document the site conditions and provide a CD or DVD copy to the Engineer.
- The Contractor shall not be permitted to deny access to or enter onto any residential or commercial property without the written permission of the property owner. The contractor shall take all measures to perform the construction to maintain access to the properties and to cause minimal inconvenience.
- The Contractor shall not enter onto any properties without the Engineer having secured a Consent to Enter from the property owner.
- Failure of the Contractor to follow the directions of the Engineer and/or his representatives may result in a "STOP WORK" order. Should a "STOP WORK" order be issued, the Contractor shall incur all expenses to secure the job site and remediation costs when authorized by the Engineer to recommence.
- All disturbed lawn areas shall be excavated and receive Topsoil, 5" and Seeding in the locations and to the limits as shown on the construction plans. The restoration shall commence within seven days of the completion of the improvements. Any area disturbed outside the limits shall be restored by the Contractor, at his expense. The sod shall be watered and maintained by the Contractor. If the sod dies within one (1) month of installation, the Contractor must remove sodding and install additional topsoil and Seeding, and all costs shall be at the Contractor's expense.
- Standard Construction Details shall conform to the latest requirements of the New Jersey Department of Transportation.



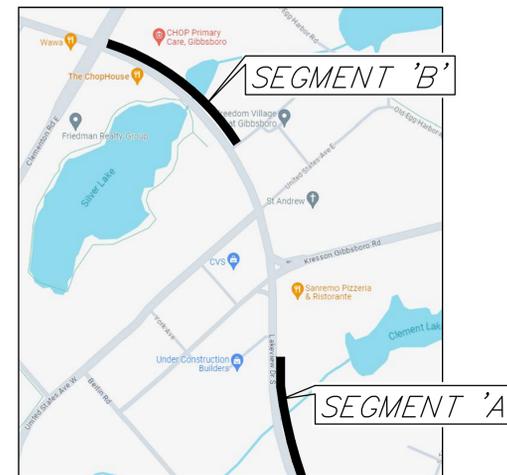
U.S.G.S. Map
 Clementon, NJ 2019 Quadrangle
 scale: 1" = 1,000'



N.J.D.E.P. GeoWeb
 2012 Wetlands Layer Active
 scale: 1" = 800'



F.E.M.A. Map
 scale: 1" = 500'



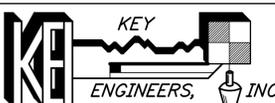
Key Map
 scale: 1 inch = 500 feet
 Taken from GOOGLE MAPS

General Notes:

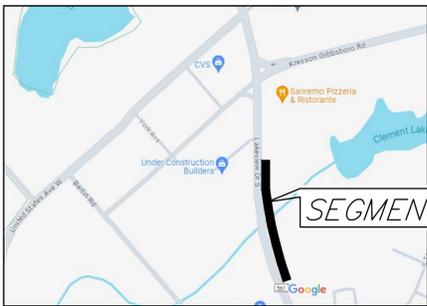
- PORTIONS OF SEGMENT 'A' ARE LOCATED WITHIN A 50' RIPARIAN ZONE AND FLOOD HAZARD AREA, AND PORTIONS ARE SUBJECT TO THE FLOOD HAZARD CONTROL ACT RULES. A PORTION OF SEGMENT 'B' IS LOCATED WITHIN A 150' RIPARIAN ZONE AND FLOOD HAZARD AREA, AND IS SUBJECT TO THE FLOOD HAZARD CONTROL ACT RULES.
- PORTIONS OF SEGMENT 'A' AND SEGMENT 'B' ARE PROPOSED IN, AND IN CLOSE PROXIMITY TO FRESHWATER WETLANDS, AND ARE SUBJECT TO THE FRESHWATER WETLANDS PROTECTION ACT.
- THE PURPOSE OF THIS PLAN IS TO DEPICT THE PROPOSED BIKEWAY IN ORDER TO OBTAIN A N.J.D.E.P. FLOOD HAZARD AREA GENERAL PERMIT 12 & 13 AND FRESHWATER WETLANDS GENERAL PERMIT 17 TO PERFORM THE PROPOSED WORK. FRESHWATER WETLANDS GENERAL PERMIT 17 DOES NOT REQUIRE THE WETLANDS TO BE DELINEATED AS NO LIMIT TO DISTURBANCE AREA IS DEFINED FOR PUBLICLY OWNED FACILITIES. THE PROPOSED DESIGN LIMITS DISTURBANCE TO POTENTIAL WETLANDS AND WETLANDS TRANSITION AREAS TO THE MAXIMUM EXTENT POSSIBLE.
- THE SEGMENT 'A' PORTION OF THE PROJECT IS LOCATED WITHIN BLOCK 18.07 LOTS 9, 10, 11, & 12. THE SEGMENT 'B' PORTION OF THE PROJECT IS LOCATED WITHIN BLOCK 8.02, LOTS 3.01, 3.02, 3.13, 3.14 & 5 AND BLOCK 8.03 LOT 6.01. BOTH SEGMENTS OF THE PROPOSED PROJECT WILL INCLUDE DISTURBANCE WITHIN THE RIGHT-OF-WAY OF S. LAKEVIEW DRIVE (C.R. 561)
- THE SEGMENT 'A' PORTION OF THE PROJECT IS OWNED AND MAINTAINED BY THE BOROUGH OF GIBBSBORO, WHERE THE BIKEWAY IS PROPOSED ON PROPERTY NOT OWNED BY THE BOROUGH OF GIBBSBORO, EASEMENTS HAVE BEEN OBTAINED TO PERMIT CONSTRUCTION AND FUTURE MAINTENANCE.
- ALL DEWATERING PROCEDURES MUST FOLLOW THE RULES AND REGULATIONS OF THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT. SILT LADEN WATER MUST NOT BE DISCHARGED INTO AREA STORM PIPING OR WOODED AREA. ALL DEWATERING MUST BE DISCHARGED INTO A SEDIMENT CONTROL SILT BAG.
- THE LIMITS OF EXCAVATION/IMPROVEMENTS FOR THIS PROJECT ARE CONFINED TO THE AREA SHOWN ON THIS PLAN.
- THE CONTRACTOR SHALL UTILIZE THE ROADWAYS AS A CONSTRUCTION ENTRANCE. THE EXISTING ROADWAY SHALL BE CLEANED AS NEEDED AND DIRECTED BY THE CAMDEN COUNTY SOIL CONSERVATION DISTRICT AND THE MUNICIPAL ENGINEER.

Utility Companies:

- Electric**— Atlantic City Electric
 295 N. Grove Street
 Berlin, NJ 08009
 ATTN: Mr. Samuel Holder, Engineering Supervisor
 (856) 753-2808
- Telephone**— Verizon
 10 Tomsboro Road
 Berlin, NJ 08009
 ATTN: Mr. Ryan Lochanic
 (609) 204-2129
- Gas**— South Jersey Gas
 305 Center Avenue
 Waterford Works, NJ 08089
 ATTN: Mr. Darren Capano
 (609) 645-2690 v4451
- Water**— New Jersey American Water Co.
 204 Carriage Lane
 Delran, NJ 08075
 ATTN: Mr. John Graham, Jr.
 (856) 764-6920
- Sewer**— Borough of Gibbsboro
 Kirkwood Road
 Gibbsboro, NJ 08026
 ATTN: Mayor and Council
 (856) 783-6655
- Cable**— Comcast Cable Communications, Inc.
 1250 Haddonfield— Berlin Road
 PO Box 5025
 Cherry Hill, NJ 08003
 ATTN: Mr. Wyatt Parrish
 (484) 368-4391

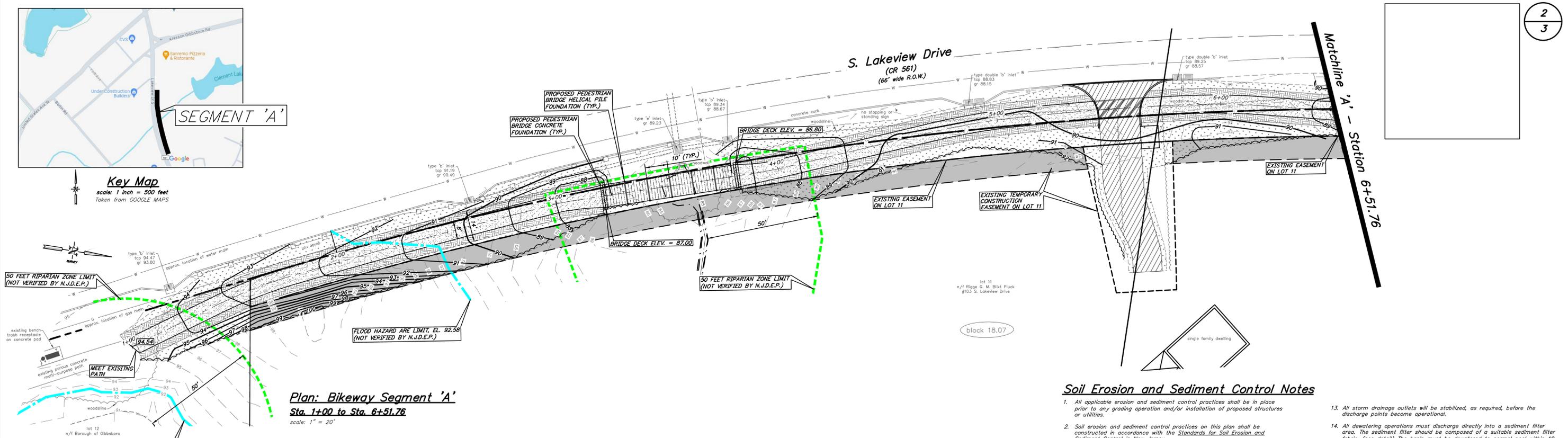
01	08/05/24	REVISE PATH ALIGNMENT AND BRIDGES	S.S.	G.B.F.
REV.	DATE:	DESCRIPTION	DRWN.	CHKD.
NJDEP Permitting Plan				
Block 8.02, Lots 3.01, 3.02, 3.13, 3.14, & 5 Block 18.07, Lots 9, 10, 11, & 12; Block 8.03 Lot 6.01 Multi-Purpose Bike Path and Bridges				
Borough of Gibbsboro Camden County, New Jersey				
DATE: 12-29-23	DRAWN BY: S.S.	CHKD. BY: G.B.F.	SCALE: AS NOTED	
PROJECT No. 24-415	FIELD BOOK/PAGE:		SHEET No. 1 OF 3	
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853 PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
KEY ENGINEERS, INC.		 80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 CERTIFICATE OF AUTHORIZATION #24GA28041300 phone: (856) 767-6111 fax: (856) 763-1091 www.keyengineers.com		
				DATE _____

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.



Key Map
scale: 1 inch = 500 feet
Taken from GOOGLE MAPS

SEGMENT 'A'

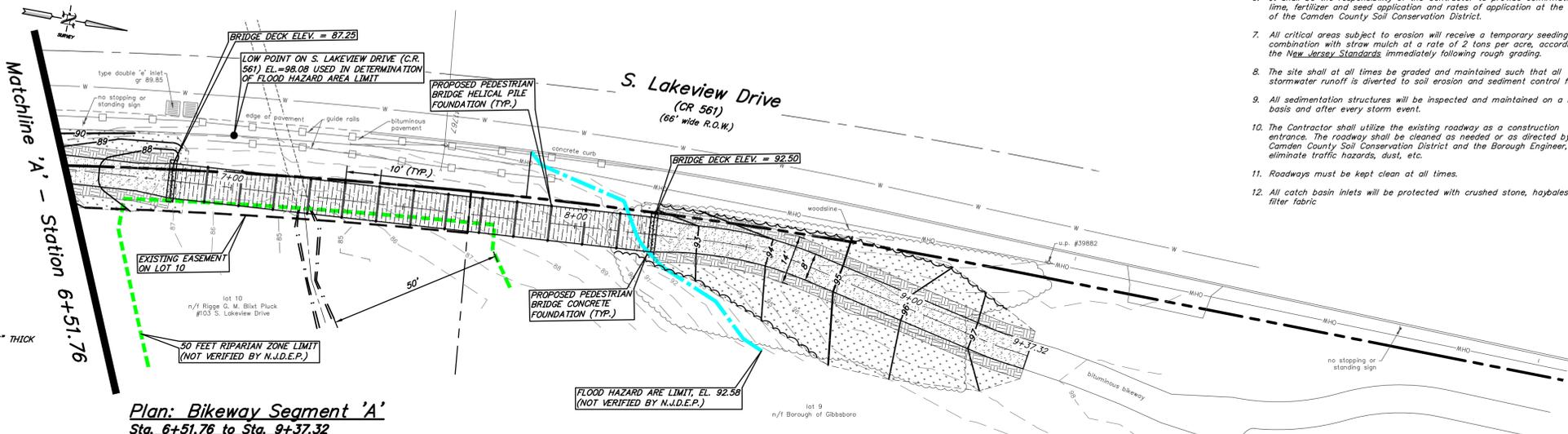


Plan: Bikeway Segment 'A'
Sta. 1+00 to Sta. 6+51.76
scale: 1" = 20'

50 FEET RIPARIAN ZONE LIMIT (NOT VERIFIED BY N.J.D.E.P.)

FLOOD HAZARD AREA LIMIT, EL. 92.58 (NOT VERIFIED BY N.J.D.E.P.)

FLOOD HAZARD AREA LIMIT, EL. 92.58 (NOT VERIFIED BY N.J.D.E.P.)

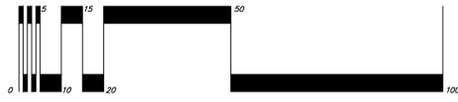


Plan: Bikeway Segment 'A'
Sta. 6+51.76 to Sta. 9+37.32
scale: 1" = 20'

FLOOD HAZARD AREA LIMIT, EL. 92.58 (NOT VERIFIED BY N.J.D.E.P.)

Legend:

- BITUMINOUS BIKEWAY
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 3" THICK
- FRP PEDESTRIAN BRIDGE, 10 FEET WIDE
- CONCRETE BRIDGE ABUTMENTS, CLASS 'B' WITH REBAR REINFORCEMENT
- BITUMINOUS DRIVEWAY
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK OVER HOT MIX ASPHALT 25M64, BASE COURSE, 4" THICK OVER DENSE GRADED AGGREGATE SUBBASE, 6" THICK
- WOOD CHIPS, 5" THICK
- TOPSOIL, 5" THICK AND SEEDING
- PROPOSED CONCRETE CURB
- FLOOD HAZARD AREA LIMIT (NOT VERIFIED BY N.J.D.E.P.)
- RIPARIAN ZONE LIMIT (NOT VERIFIED BY N.J.D.E.P.)
- PROPOSED WOODLINE
- EXISTING WOODLINE
- LOT LINE



Graphic Scale
scale: 1 inch = 20 feet

Soil Erosion and Sediment Control Notes

1. All applicable erosion and sediment control practices shall be in place prior to any grading operation and/or installation of proposed structures or utilities.
2. Soil erosion and sediment control practices on this plan shall be constructed in accordance with the *Standards for Soil Erosion and Sediment Control in New Jersey*.
3. All applicable erosion and sediment control practices shall be left in place until construction is completed and/or the area is stabilized.
4. The Contractor shall perform all work, furnish all materials and install all measures required to reasonably control soil erosion resulting from construction operations and prevent excessive flow of sediment from the construction site.
5. Any disturbed area that will be left exposed for more than sixty (60) days and not subject to construction traffic shall immediately receive a temporary seeding and fertilization in accordance with the *New Jersey Standards* as follows:
If the season prohibits temporary seeding, the disturbed areas will be mulched with soil hay or equivalent and anchored in accordance with the *New Jersey Standards* (i.e. peg and twine, mulch netting or liquid mulch binder).
6. It shall be the responsibility of the Contractor to provide confirmation of lime, fertilizer and seed application and rates of application at the request of the Camden County Soil Conservation District.
7. All critical areas subject to erosion will receive a temporary seeding in combination with straw mulch at a rate of 2 tons per acre, according to the *New Jersey Standards* immediately following rough grading.
8. The site shall at all times be graded and maintained such that all stormwater runoff is diverted to soil erosion and sediment control facilities.
9. All sedimentation structures will be inspected and maintained on a regular basis and after every storm event.
10. The Contractor shall utilize the existing roadway as a construction entrance. The roadway shall be cleaned as needed or as directed by the Camden County Soil Conservation District and the Borough Engineer, to eliminate traffic hazards, dust, etc.
11. Roadways must be kept clean at all times.
12. All catch basin inlets will be protected with crushed stone, haybales or filter fabric.
13. All storm drainage outlets will be stabilized, as required, before the discharge points become operational.
14. All dewatering operations must discharge directly into a sediment filter area. The sediment filter should be composed of a suitable sediment filter fabric. (See detail) The basin must be dewatered to normal pool within 10 days of the design storm.
15. Final payment shall not be made before all provisions of the certified soil erosion and sediment control plan have been complied with for permanent measures. All site work for the project must be completed prior to the district issuing a report of compliance as a prerequisite to the issuance of final payment.
16. Mulching is required on all seeded areas to insure against erosion before grass is established to promote earlier vegetation cover.
17. Offsite sediment disturbance may require additional control measures to be determined by the erosion control inspector or Engineer.
18. A copy of the certified soil erosion and sediment control plan must be maintained on the project site during construction.
19. The Camden County Soil Conservation District shall be notified 48 hours prior to any land disturbance.
20. Immediately after the completion of stripping and stockpiling of topsoil, seed the stockpile with annual rye grass. Stabilize topsoil pile with straw mulch for protection if the season does not permit the application and establishment of temporary seeding. All soil stockpiles are not to be located within fifty (50) feet of a flood plain, slope, roadway or drainage facility and the base must be protected with a sediment barrier.
21. Any changes to the construction plan will require the submission of a revised soil erosion and sediment control plan to the Camden County Soil Conservation District. The revised plan must be in accordance with the current *New Jersey Standards for Soil Erosion and Sediment Control*.
22. Soil having a pH of 4.0 or less or containing iron sulfide must be covered with a minimum of 12 inches of soil having a pH of 5.0 or more before seedbed preparation.
23. Temporary seeding and mulch should be applied according to the *New Jersey Standards*. Mulch shall be secured by the approved methods.
24. Maximum side slopes of all exposed surfaces shall not be constructed steeper than 3:1 unless otherwise approved by the district.
25. Dust shall be controlled by watering with a solution of calcium chloride and water.
26. Adjoining properties shall be protected from excavation and filling operations on the proposed project.
27. Use staged construction methods to minimize exposed surfaces, where applicable.
28. All vegetative material shall be selected in accordance with *American Standards for Nursery Stock of the American Association of the Nurserymen* and in accordance with the *New Jersey Department of Transportation Standard Specifications*.

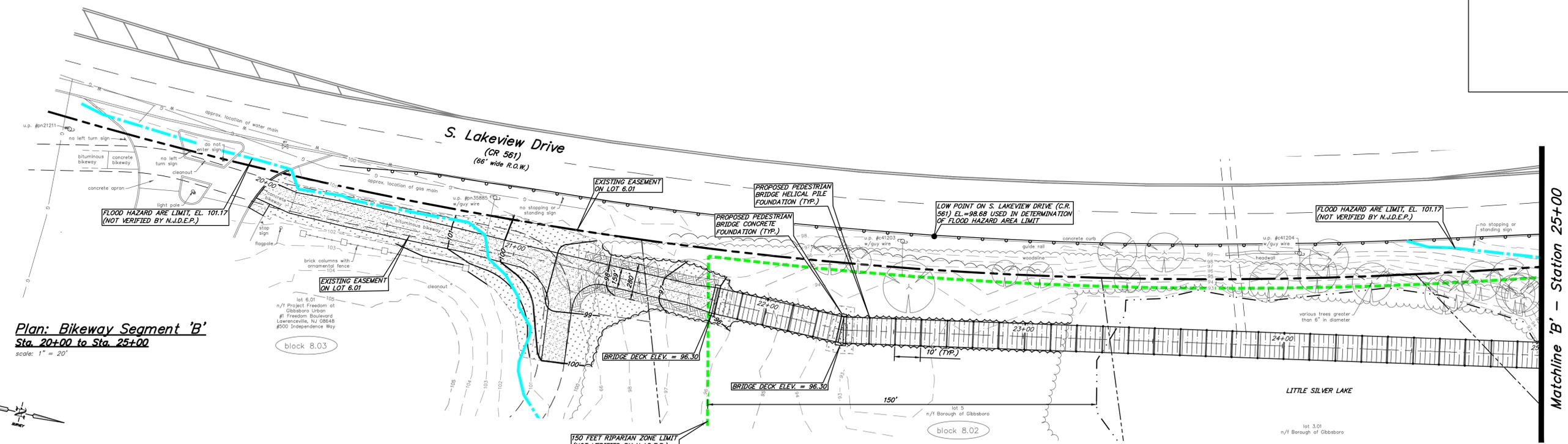
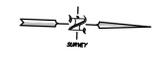
TOTAL N.J.D.E.P. QUANTITIES SEGMENTS 'A' & 'B'
TOTAL DISTURBANCE - 30,164 S.F./0.692 AC.
TOTAL NEW IMPERVIOUS - 9,289 S.F./0.213 AC.
DISTURBANCE WITHIN WETLANDS - N/A
DISTURBANCE WITHIN STATE OPEN WATERS - 45 S.F./0.001 AC.
RIPARIAN ZONE TREE CANOPY REMOVAL - 3,965 S.F.
DISTURBANCE WITHIN RIPARIAN ZONE - 6,274 S.F./0.144 AC.

HORIZONTAL DATUM NAD 1983
VERTICAL DATUM NAVD 88
NAVD 88 TO NGVD29 AT
N. 386,451.472 E. 363,291.925 = NAVD 88+1.319

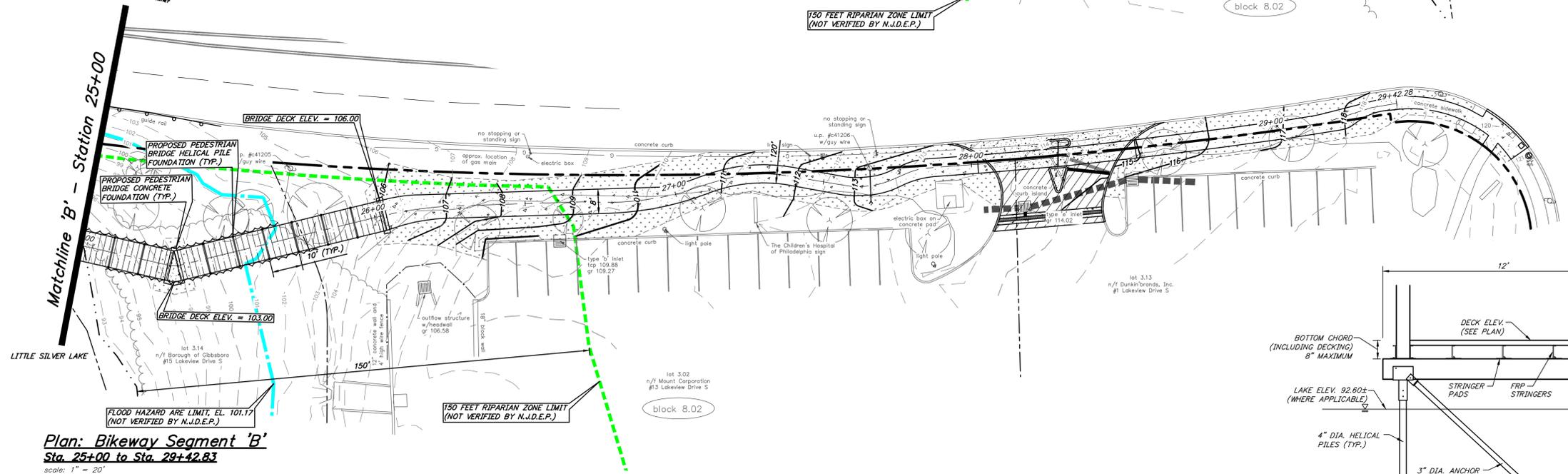
FLOOD HAZARD AREA LIMIT DETERMINED BY NJDEP FLOOD HAZARD APPROXIMATION METHOD 5. SUPPORTING DOCUMENTATION CAN BE FOUND WITHIN THE ENGINEERING REPORT.

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

01	08/05/24	REVISE PATH ALIGNMENT AND BRIDGES	S.S.	G.B.F.
REV.	DATE:	DESCRIPTION	DRWN.	CHKD.
NJDEP Permitting Plan				
Block 8.02, Lots 3.01, 3.02, 3.13, 3.14, & 5 Block 18.07, Lots 9, 10, 11, & 12; Block 8.03 Lot 6.01 Multi-Purpose Bike Path and Bridges				
Borough of Gibbsboro Camden County, New Jersey				
DATE: 12-29-23	DRAWN BY: S.S.	CHKD. BY: G.B.F.	SCALE: 1"=20'	
PROJECT No. 24-415	FIELD BOOK/PAGE:		SHEET No. 2 OF 3	
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER				
NJPE No. 32853 PA.PE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
		KEY ENGINEERS, INC.		
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399		phone: (856) 767-6111 fax: (856) 763-1091 www.keyeng.com		
CERTIFICATE OF AUTHORIZATION #24GA28041300		DATE _____		

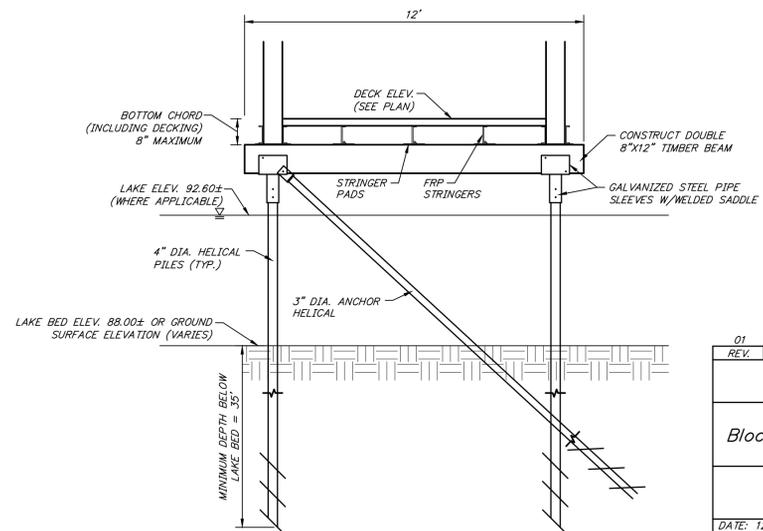


Plan: Bikeway Segment 'B'
Sta. 20+00 to Sta. 25+00
scale: 1" = 20'



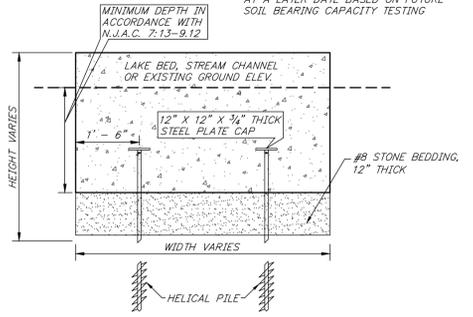
Plan: Bikeway Segment 'B'
Sta. 25+00 to Sta. 29+42.83
scale: 1" = 20'

- Legend:**
- BITUMINOUS BIKEWAY
 - HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 3" THICK
 - FRP PEDESTRIAN BRIDGE, 10 FEET WIDE
 - CONCRETE BIKEWAY, 4" THICK, CLASS 'B'
 - CONCRETE BRIDGE ABUTMENTS, CLASS 'B' WITH REBAR REINFORCEMENT
 - CONCRETE CURB ISLAND, CLASS 'B'
 - BITUMINOUS DRIVEWAY RESTORATION
HOT MIX ASPHALT, 9.5M64, SURFACE COURSE, 2" THICK OVER
HOT MIX ASPHALT 25M64, BASE COURSE, 4" THICK OVER
DENSE GRADED AGGREGATE SUBBASE, 6" THICK
 - WOOD CHIPS, 5" THICK
 - TOPSOIL, 5" THICK AND SEEDING
 - PROPOSED CONCRETE CURB
 - FLOOD HAZARD AREA LIMIT (NOT VERIFIED BY N.J.D.E.P.)
 - RIPARIAN ZONE LIMIT (NOT VERIFIED BY N.J.D.E.P.)
 - PROPOSED WOODLINE
 - EXISTING WOODLINE
 - LOT LINE

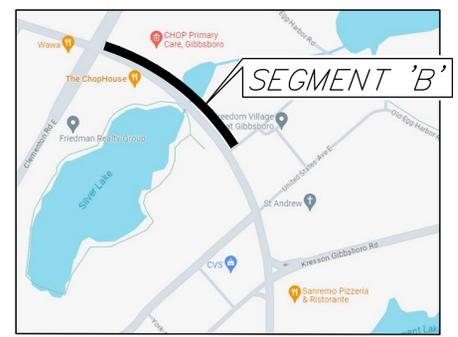


Typical Pedestrian Bridge Support Detail
Scale 1" = 3'

NOTE: THE REQUIREMENT AND NUMBER OF HELICAL PILES SHALL BE DETERMINED AT A LATER DATE BASED ON FUTURE SOIL BEARING CAPACITY TESTING



Typical Helical Pile and Concrete Footing Detail
scale: not to scale



Key Map
scale: 1 inch = 500 feet
Taken from GOOGLE MAPS

HORIZONTAL DATUM NAD 1983
VERTICAL DATUM NAVD 88
NAVD 88 TO NGVD29 AT
N. 366,451.472 E. 363,291.925 = NAVD 88+1.319

FLOOD HAZARD AREA LIMIT DETERMINED BY NJDEP FLOOD HAZARD APPROXIMATION METHOD 5. SUPPORTING DOCUMENTATION CAN BE FOUND WITHIN THE ENGINEERING REPORT.

REPRODUCTION, ALTERATION AND AMENDMENT OF THIS PLAN SHALL BE PERFORMED ONLY BY KEY ENGINEERS, INC. AND SHALL BE PERFORMED UNDER THE ABSOLUTE DIRECTION OF THE LICENSED PROFESSIONAL WHOSE NAME AND SIGNATURE APPEARS HEREON.

01	08/05/24	REVISE PATH ALIGNMENT AND BRIDGES	S.S.	G.B.F.
REV.	DATE:	DESCRIPTION	DRWN.	CHKD.
NJDEP Permitting Plan				
Block 8.02, Lots 3.01, 3.02, 3.13, 3.14, & 5 Block 18.07, Lots 9, 10, 11, & 12; Block 8.03 Lot 6.01 Multi-Purpose Bike Path and Bridges				
Borough of Gibbsboro Camden County, New Jersey				
DATE: 12-29-23	DRAWN BY: S.S.	CHKD. BY: G.B.F.	SCALE: AS NOTED	
PROJECT No. 24-415	FIELD BOOK/PAGE:		SHEET No. 3 OF 3	
GREGORY BLASE FUSCO PROFESSIONAL ENGINEER NJPE No. 32853 PAPE No. 036608-E NJ PROFESSIONAL PLANNER No. 4076				
		KEY ENGINEERS, INC.		
80 S. WHITE HORSE PIKE BERLIN, NEW JERSEY 08009-2399 CERTIFICATE OF AUTHORIZATION #24G28D41300		phone: (856) 767-6111 fax: (856) 763-1091 www.keyengineers.com		
				DATE _____