



Welcome!

Middlesex County

Pike Road Bridge Replacement Project

Public Consultation Centre

Welcome to the Public Consultation Centre (PCC) for the replacement of Pike Road Bridge in Adelaide Metcalfe Township.

Should you have any questions regarding the project, please contact the County or Consultant Project Managers listed to the right.

There is an opportunity at any time for interested persons to provide written input. Please submit any questions or comments to the contacts listed to the right by **February 11, 2025**.

Any comments received will be collected under the *Municipal Freedom of Information and Protection of Privacy Act* (2009) and, with the exception of personal information, will become part of the public record.

Steve Taylor
Consultant Project Manager
BT Engineering Inc.
509 Talbot Street
London, ON N6A 2S5
Email: stevenj.taylor@bteng.ca
Phone: 519-672-2222
Toll Free: 1-866-218-1001

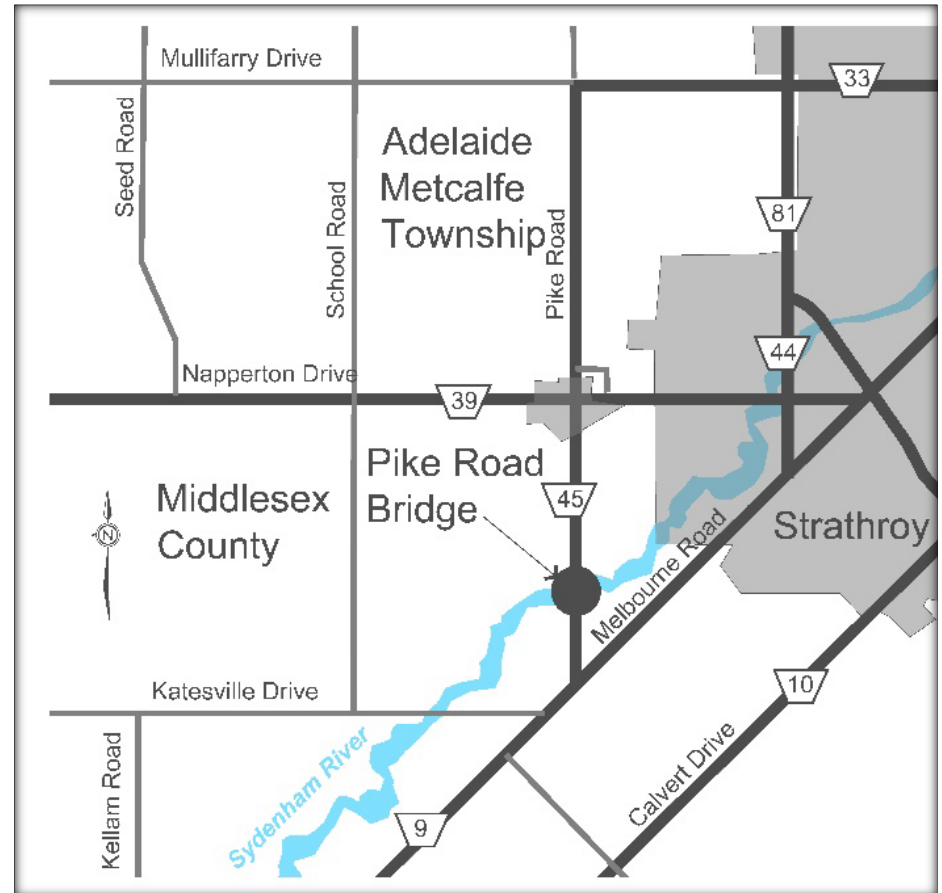
Chris Traini, P.Eng.
County Engineer
County of Middlesex
1988 Gainsborough Road
London, ON N6H 5L2
Email: ctraini@middlesex.ca
Phone: 519-434-7321 ext. 2264

Introduction

Middlesex County has retained BT Engineering Inc. and Entuitive to complete the design of the replacement of Pike Road Bridge in Adelaide Metcalfe Township. Pike Road and the bridge are under the jurisdiction of the County. The project is a 'Exempt' under the Municipal Class EA (2024) and is pre-approved subject to permits from regulatory agencies.

Located on Middlesex County Road 45 (Pike Road) approximately 600 m north of Middlesex County Road 9 (Melbourne Road).

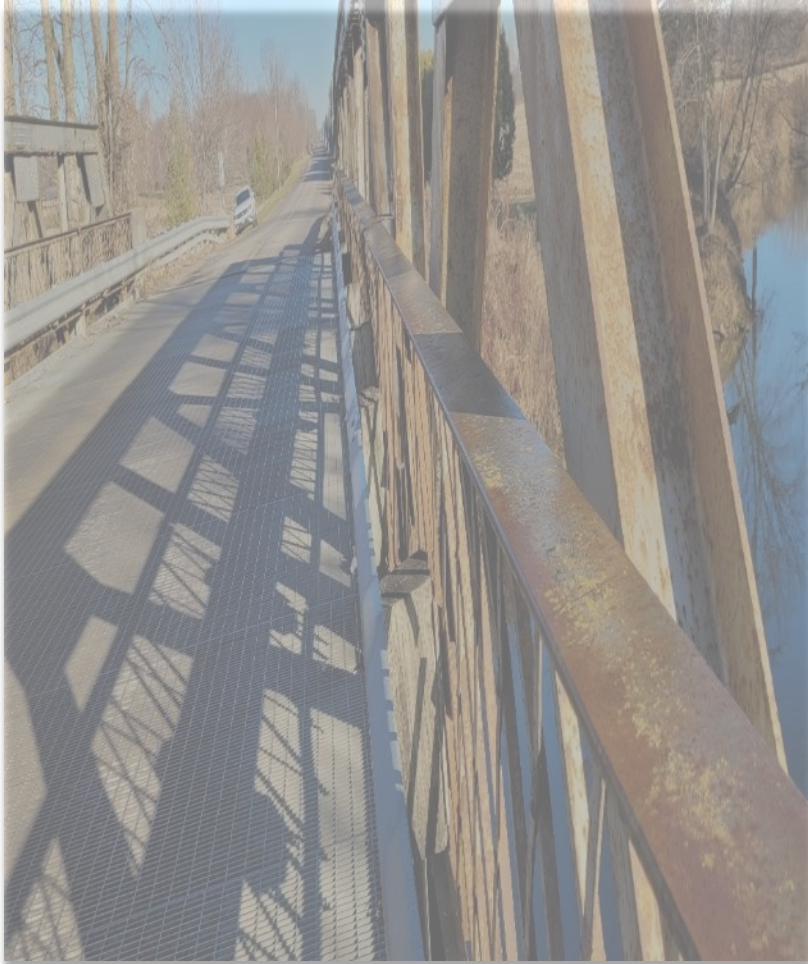
The project location is shown to the right.



Municipal Class EA (2024)

Project Description	Exempt	Eligible for Screening	Schedule B	Schedule C
<i>checklist does not mean approval or permission from MCM to remove a bridge with potential heritage value</i>				
24b Retirement of existing laneways	X			
25a Construction or removal of sidewalks or multi-purpose paths or cycling facilities within existing or protected rights-of-way	X			
25b Construction or removal of sidewalks, multi-purpose paths or cycling facilities including water crossings outside existing right-of-way and/or in a utility or rail corridor	<\$4.1M		≥\$4.1M	≥\$12M
26 Utility removal, modification or relocation for safety or aesthetic purposes	X			
27 New fence installations not associated with another project	X			
28a Installation, construction, or reconstruction of traffic control devices (e.g. signing, signalization)	<\$12M			
28b Installation, construction, or reconstruction of traffic control devices (e.g. signing, signalization)		≥\$12M ASP	≥\$12M	
29a Installation of safety projects (e.g. lighting including "high mast", grooving, glare screens, safety barriers, energy attenuators)	<\$3M			
29b Installation of safety projects (e.g. lighting including "high mast", grooving, glare screens, safety barriers, energy attenuators)		≥\$3M ASP	≥\$3M	
RECONSTRUCTION OF BRIDGES WITH NO INCREASE TO TRAVEL LANES				
30 Reconstruction of a water crossing where the reconstructed facility will be for the same purpose, use, capacity and at the same location <ul style="list-style-type: none"> • Capacity refers to either hydraulic or road capacity but does not include alterations to include or remove facilities for cycling, pedestrians or to support utilities • This includes ferry docks 	X			

Purpose of Public Consultation Centre (PCC)



The purpose of this event is to engage the public/stakeholders on their perspectives and interests in the project. The project will proactively involve the public, stakeholders and Indigenous Communities.

The public consultation process ensures that anyone with interest in the project can provide input. This PCC will present:

- An introduction and Need/Justification for the Project.
- A summary of work completed to date.
- A description of the existing conditions in the area.
- Proposed design and schedule.

Need and Justification

- The Pike Road bridge is a steel truss.
- The bridge has reached the end of its service life due to its structural condition.
- Originally moved to this location in 1969.
- Overall structure length is 31 m, width of 8.1 m and carries two lanes of traffic.
- Located on Middlesex County Road 45 (Pike Road) approximately 600 m north of Middlesex County Road 9 (Melbourne Road).



Photo Inventory

Photo Inventory



Looking south



Looking south



Looking underneath



Looking north

Alternatives

Bridge Alternatives

BTE and Entuitive investigated alternative bridge designs for appropriateness and cost-effectiveness in order to determine the preferred structure type for the bridges. The following alternative types were considered:

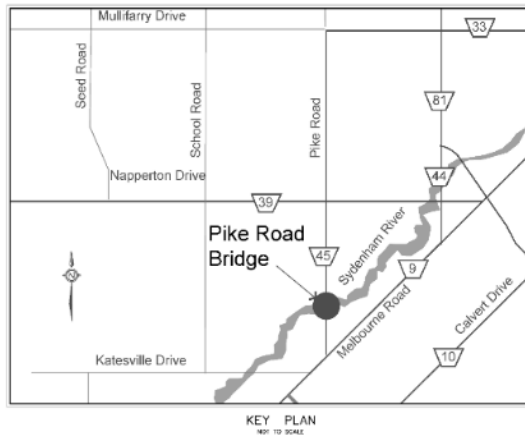
- Precast prestressed concrete (NU) girder and slab bridge (recommended).
- Precast prestressed concrete box girder bridge; or
- Structural steel girder and concrete slab bridge.

Detail Design



PIKE ROAD BRIDGE REPLACEMENT

CONTRACT NO.



LIST OF DRAWINGS

CIVIL

- HV-01 HORIZONTAL AND VERTICAL CONTROL I
- HV-02 HORIZONTAL AND VERTICAL CONTROL II
- REM-1 REMOVALS I
- REM-2 REMOVALS II
- NC-01 NEW CONSTRUCTION I
- NC-02 NEW CONSTRUCTION II
- NC-03 NEW CONSTRUCTION III
- NC-04 TYPICAL SECTIONS
- NC-05 CULVERTS TABLE
- CX-01 DESIGN SECTIONS I
- CX-02 DESIGN SECTIONS II
- CX-03 DESIGN SECTIONS III
- PM-01 PAVEMENT MARKING AND SIGNAGE I
- PM-02 PAVEMENT MARKING AND SIGNAGE II

LANDSCAPING

- L-01 LANDSCAPE PLAN
- L-02 LANDSCAPE PLAN AND DETAILS

STRUCTURAL

- S-01 GENERAL ARRANGEMENT
- S-02 FOUNDATION LAYOUT
- S-03 ABUTMENT GEOMETRY
- S-04 ABUTMENT REINFORCEMENT
- S-05 WINGWALL GEOMETRY
- S-06 WINGWALL REINFORCEMENT
- S-07 PIER GEOMETRY
- S-08 PIER REINFORCEMENT
- S-09 GIRDER DETAILS I
- S-10 GIRDER DETAILS II
- S-11 GIRDER DETAILS III
- S-12 DECK LAYOUT AND SCREED ELEVATIONS
- S-13 DECK REINFORCEMENT I
- S-14 DECK REINFORCEMENT II
- S-15 PARAPET WALLS
- S-16 PARAPET WALL RAILING
- S-17 APPROACH SLABS
- S-18 EXPANSION JOINT AND SLEEPER SLAB
- S-19 STRIP SEAL EXPANSION JOINT DETAIL
- S-20 SEQUENCE OF EXPANSION JOINT INSTALLATION
- S-21 STANDARD DETAIL I
- S-22 PILE DRIVING CONTROL

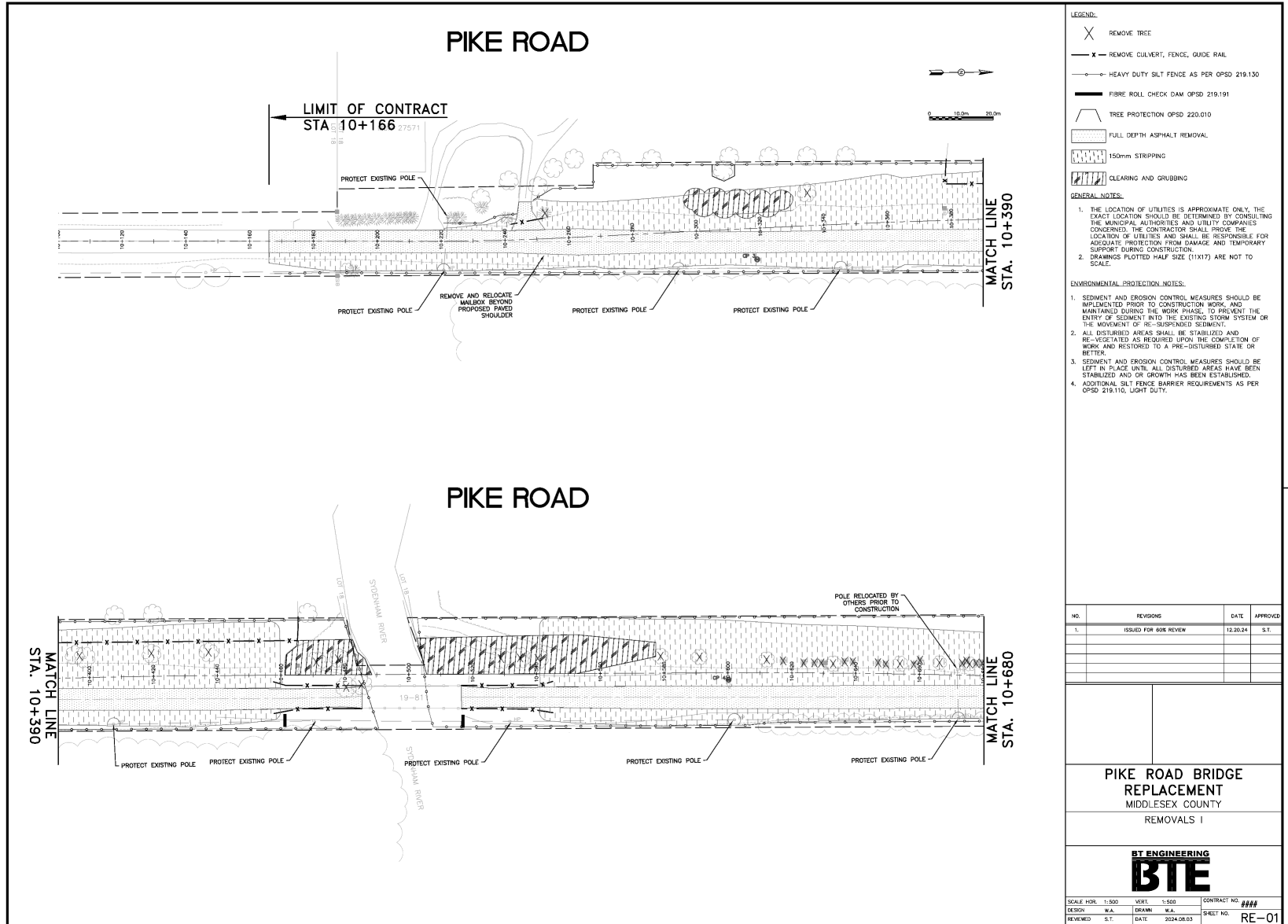
ENTUITIVE

BT ENGINEERING

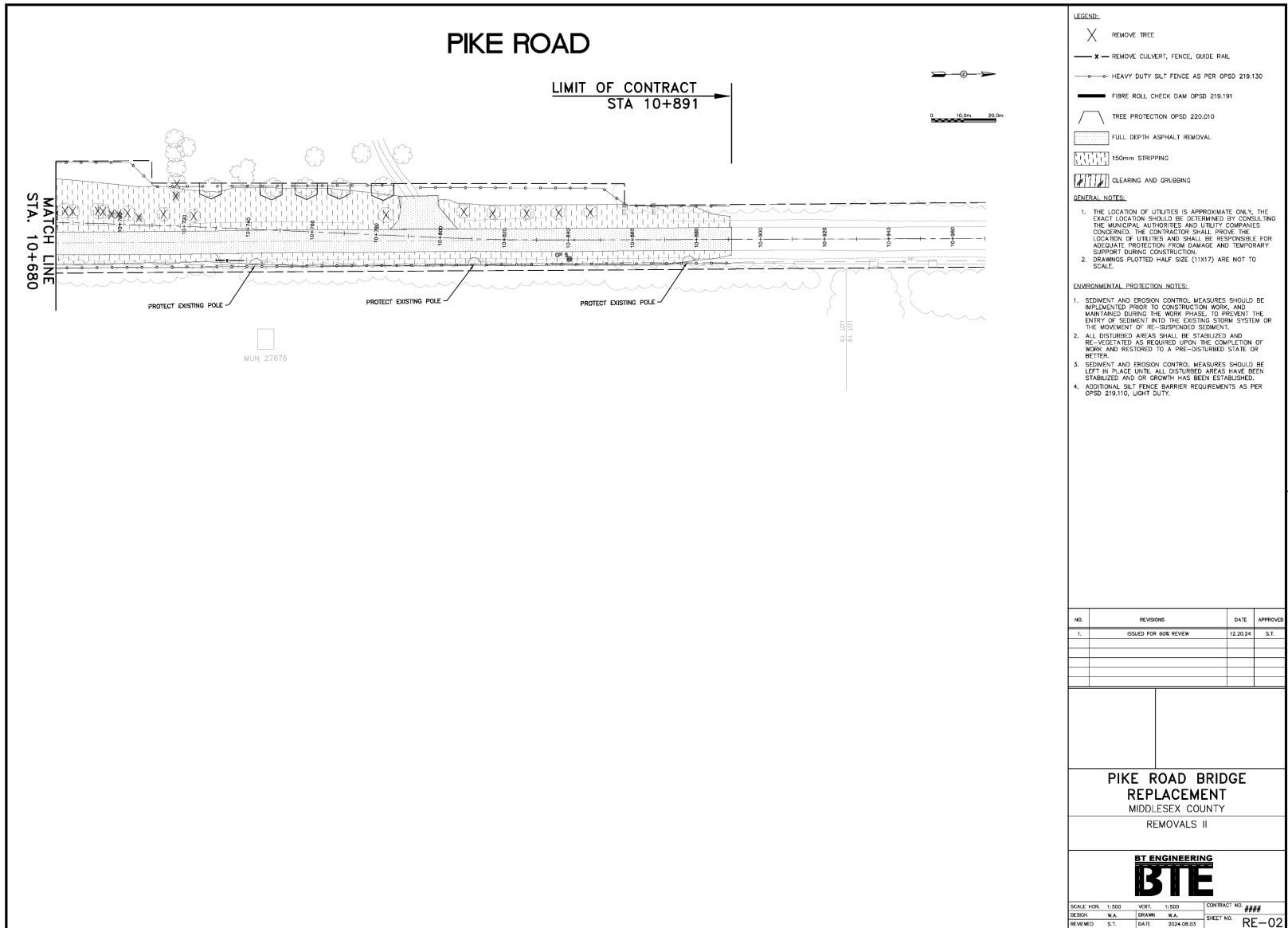
BTE

BTE PROJECT # 22-061
ISSUED FOR 60% REVIEW
DECEMBER 20, 2024

Removals - 1



Removals - 2



- LEGEND:**
- X REMOVE TREE
 - X — REMOVE CULVERT, FENCE, GUIDE RAIL
 - HEAVY DUTY SILT FENCE AS PER OPSD 219.130
 - FIBRE ROLL CHECK DAM OPSD 219.191
 - TREE PROTECTION OPSD 220.010
 - FULL DEPTH ASPHALT REMOVAL
 - 150mm STRIPPING
 - CLEARING AND GRUBBING

- GENERAL NOTES:**
1. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY, THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE AND TEMPORARY SUPPORT DURING CONSTRUCTION.
 2. DRAWINGS PLOTTED HALF SIZE (11X17) ARE NOT TO SCALE.

- ENVIRONMENTAL PROTECTION NOTES:**
1. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE IMPLEMENTED PRIOR TO CONSTRUCTION WORK AND MAINTAINED DURING THE WORK PHASE, TO PREVENT THE ENTRY OF SEDIMENT INTO THE EXISTING STORM SYSTEM OR THE MOVEMENT OF RE-SUSPENDED SEDIMENT.
 2. ALL DISTURBED AREAS SHALL BE STABILIZED AND RE-VEGETATED AS REQUIRED UPON THE COMPLETION OF WORK AND RESTORED TO A PRE-DISTURBED STATE OR BETTER.
 3. SEDIMENT AND EROSION CONTROL MEASURES SHOULD BE LEFT IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED AND OR GROWTH HAS BEEN ESTABLISHED.
 4. ADDITIONAL SILT FENCE BARRIER REQUIREMENTS AS PER OPSD 219.110, LIGHT DUTY.

NO.	REVISIONS	DATE	APPROVED
1.	ISSUED FOR 60% REVIEW	12/20/24	S.T.

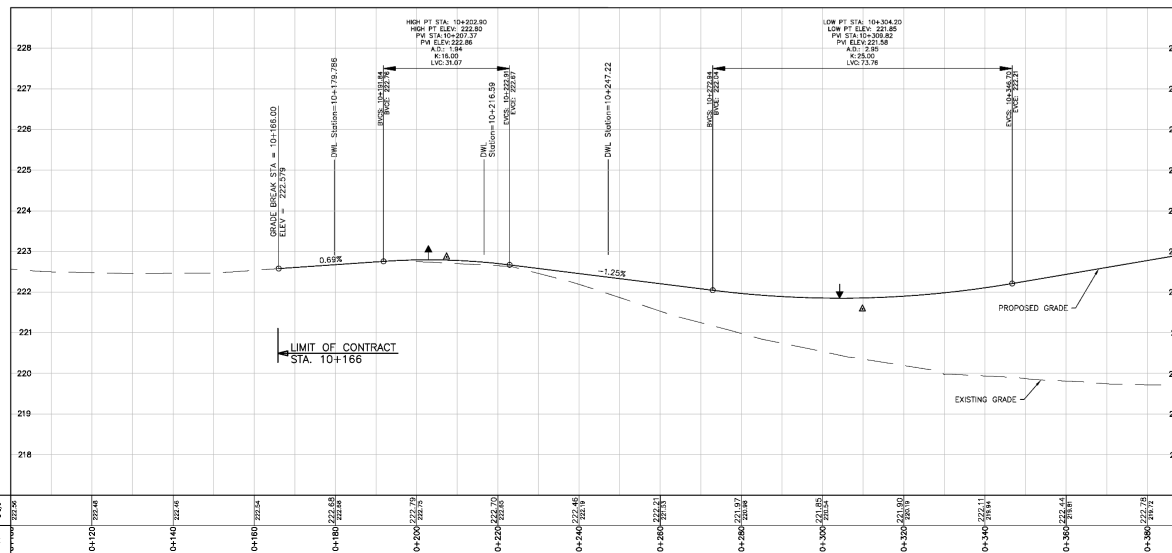
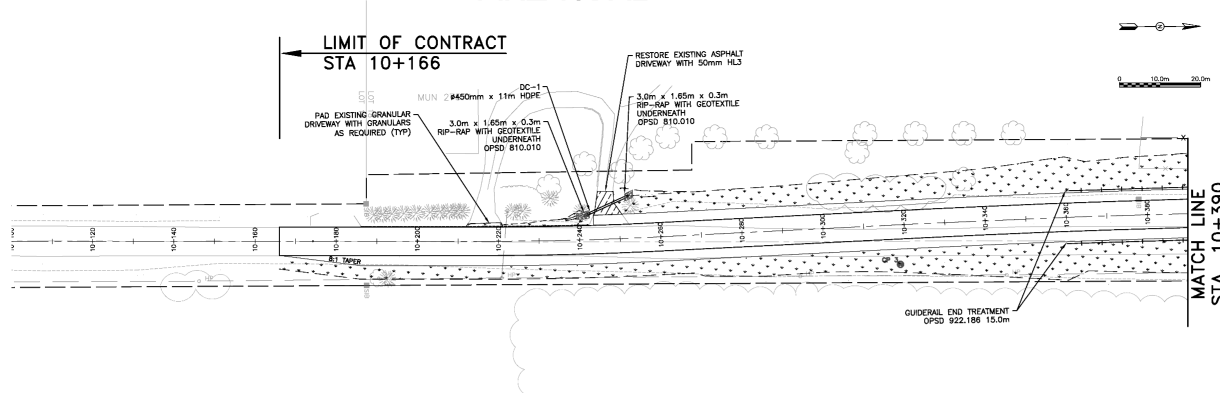
PIKE ROAD BRIDGE REPLACEMENT
MIDDLESEX COUNTY
REMOVALS II

BT ENGINEERING
BTE

SCALE: HOR. 1:500 VERT. 1:500 CONTRACT NO. 4444
 DESIGN: S.A. DRAWING: S.A. SHEET NO. 4444
 REVIEWED: S.T. DATE: 2024.08.03 SHEET NO. **RE-02**

New Construction - 1

PIKE ROAD



LEGEND:

- RIGHT-OF-WAY
- CONCRETE CURB AND GUTTER OPSD 603.040
- LIMITS OF GRADING
- SUBDRAIN AS PER OPSD 206.050
- PROPOSED GUIDE RAIL OPSD 912.185
- PROPOSED SWALE
- 50mm TOPSOIL, HYDROSEED, AND MULCH

- GENERAL NOTES:
1. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY. THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE AND TEMPORARY SUPPORT DURING CONSTRUCTION.
 2. DRAWINGS PLOTTED HALF SIZE (1/2"=1') ARE NOT TO SCALE.
 3. ALL DISTURBED AREAS WHERE GRADING IS REQUIRED SHALL BE RESTORED WITH 100mm TOPSOIL SEED AND MULCH.

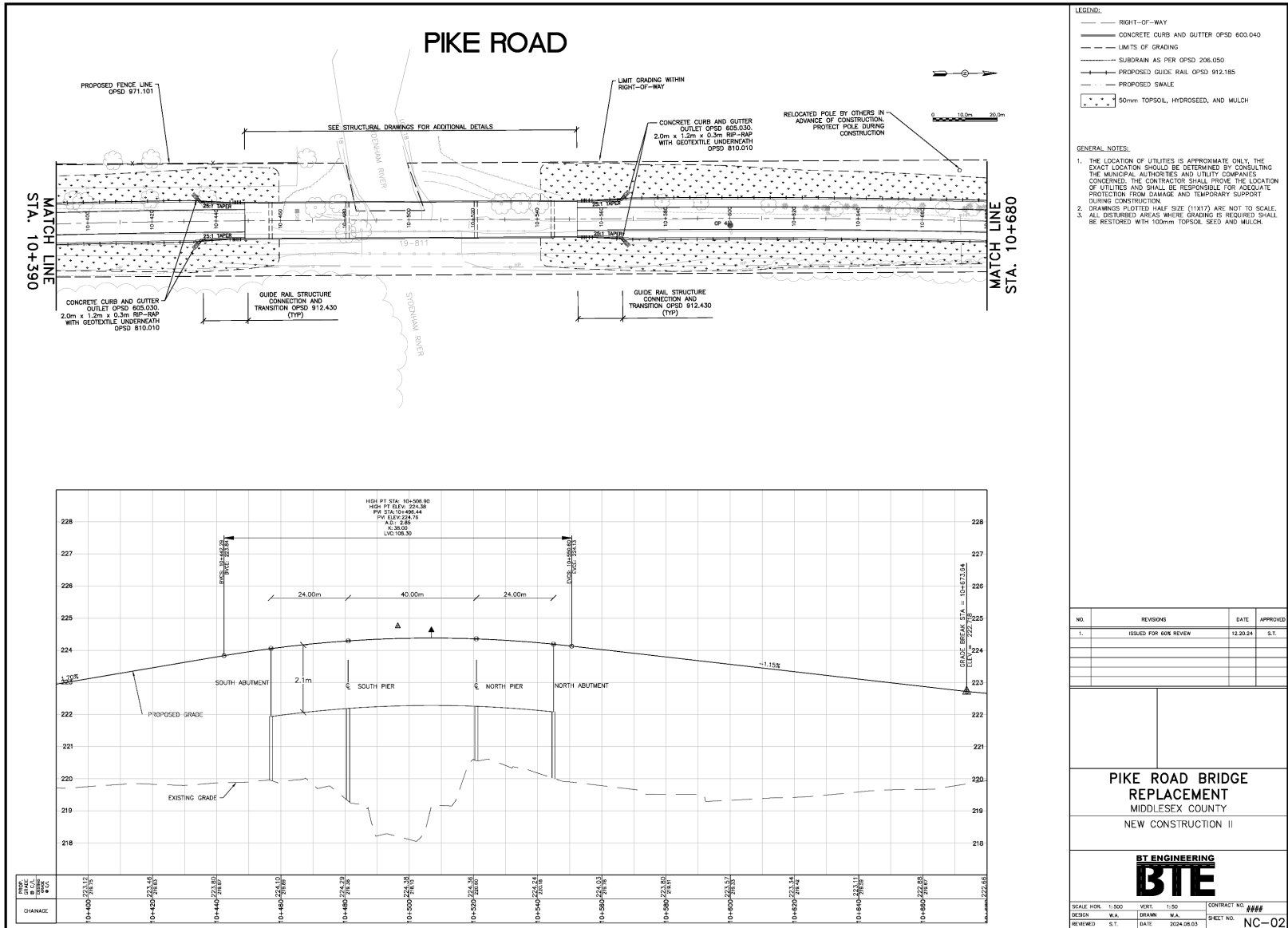
NO.	REVISIONS	DATE	APPROVED
1.	ISSUED FOR 60% REVIEW	12.20.24	S.T.

PIKE ROAD BRIDGE REPLACEMENT
MIDDLESEX COUNTY
NEW CONSTRUCTION I

BT ENGINEERING
BTE

SCALE: HORIZ. 1:500	VERT. 1:50	CONTRACT NO. ###
DESIGN: W.A.	DRAWN: W.A.	SHEET NO. ##
REVIEWED: S.T.	DATE: 2024.08.05	NC-01

New Construction - 2



- LEGEND:**
- RIGHT-OF-WAY
 - CONCRETE CURB AND GUTTER OPSD 600.040
 - - - LIMITS OF GRADING
 - SUBDRAIN AS PER OPSD 206.050
 - PROPOSED GUIDE RAIL OPSD 912.185
 - - - PROPOSED SWALE
 - 50mm TOPSOIL, HYDROSEED, AND MULCH

- GENERAL NOTES:**
1. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY. THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE AND TEMPORARY SUPPORT DURING CONSTRUCTION.
 2. DRAWINGS PLOTTED HALF SIZE (1:1X17) ARE NOT TO SCALE.
 3. ALL DISTURBED AREAS WHERE GRADING IS REQUIRED SHALL BE RESTORED WITH 100mm TOPSOIL SEED AND MULCH.

NO.	REVISIONS	DATE	APPROVED
1.	ISSUED FOR 60% REVIEW	12.20.24	S.T.

**PIKE ROAD BRIDGE
REPLACEMENT
MIDDLESEX COUNTY
NEW CONSTRUCTION II**

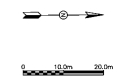
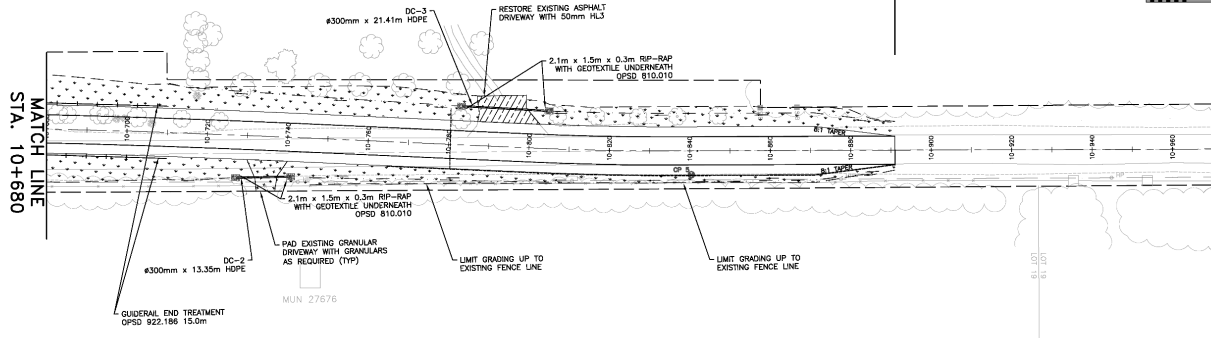
BT ENGINEERING
BTE

SCALE HOR: 1:500 VERT: 1:50 CONTRACT NO: ###
 DESIGN: W.A. DRAWN: W.A. SHEET NO: NC-02
 REVIEWED: S.T. DATE: 2024.08.03

New Construction - 3

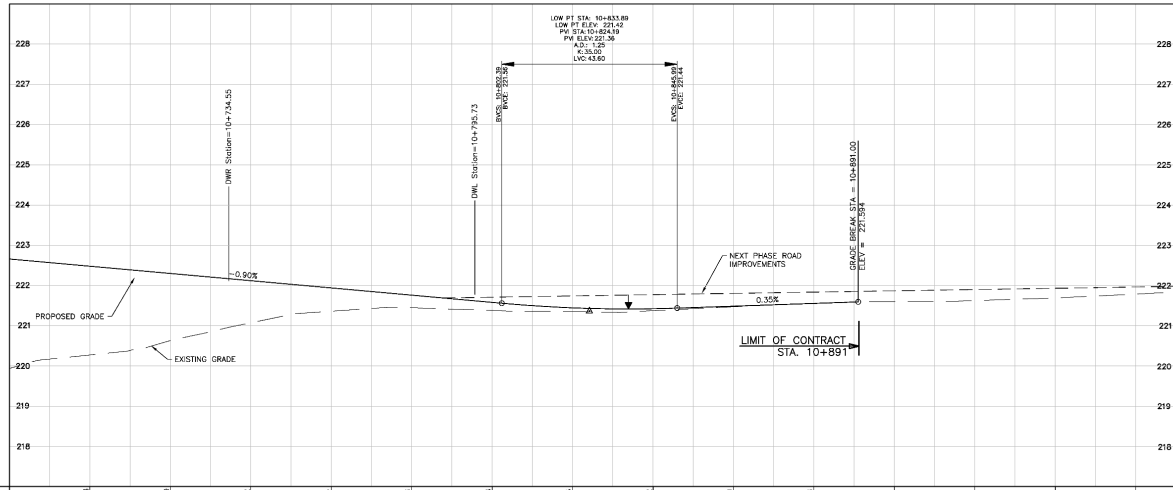
PIKE ROAD

LIMIT OF CONTRACT
STA 10+891



- LEGEND:**
- RIGHT-OF-WAY
 - CONCRETE CURB AND GUTTER OPSD 600.040
 - LIMITS OF GRADING
 - SUBDRAIN AS PER OPSD 206.050
 - PROPOSED GUIDE RAIL OPSD 912.185
 - PROPOSED SWALE
 - 50mm TOPSOIL, HYDROSEED, AND MULCH

- GENERAL NOTES:**
1. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY. THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE AND TEMPORARY SUPPORT DURING CONSTRUCTION.
 2. DRAWINGS PLOTTED HALF SIZE (11X17) ARE NOT TO SCALE.
 3. ALL DISTURBED AREAS WHERE GRADING IS REQUIRED SHALL BE RESTORED WITH 100mm TOPSOIL SEED AND MULCH.



CHANGE	DESCRIPTION	DATE
1	10+700 222.48	2024.08.03
2	10+720 222.30	2024.08.03
3	10+740 222.12	2024.08.03
4	10+760 221.84	2024.08.03
5	10+780 221.76	2024.08.03
6	10+800 221.58	2024.08.03
7	10+820 221.42	2024.08.03
8	10+840 221.42	2024.08.03
9	10+860 221.42	2024.08.03
10	10+880 221.42	2024.08.03
11	10+900 221.87	2024.08.03
12	10+920 221.87	2024.08.03
13	10+940 221.87	2024.08.03
14	10+960 221.79	2024.08.03

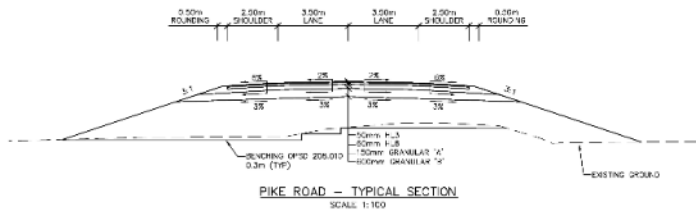
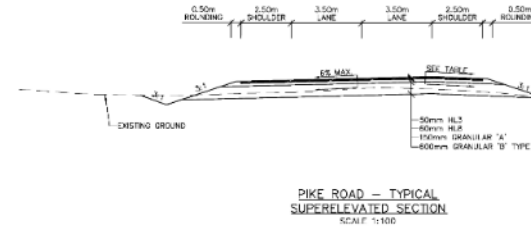
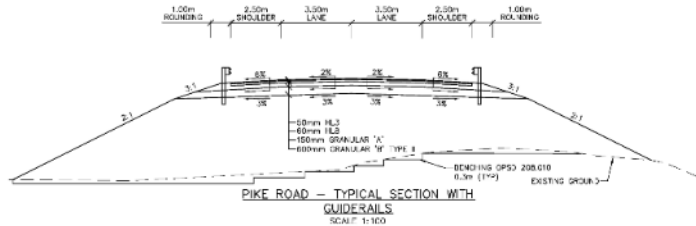
NO.	REVISION	DATE	APPROVED
1.	ISSUED FOR 60% REVIEW	12.20.24	S.T.

PIKE ROAD BRIDGE REPLACEMENT
MIDDLESEX COUNTY
NEW CONSTRUCTION I

BT ENGINEERING
BTE

SCALE: HOR. 1:500 VERT. 1:50 CONTRACT NO. 0000
DESIGN: W.A. DRAWN: W.A. SHEET NO. NC-03
REVIEWED: S.T. DATE: 2024.08.03

Typical Cross Sections



Adjacent Traffic Lane	+0.06	+0.05	+0.04	+0.03	+0.02	+0.01	0.00	-0.01	-0.02
Shoulder	-0.02	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04	-0.05	-0.06

SUPERELEVATION FOR SHOULDER ON HIGH SIDE OF SUPERELEVATED SECTIONS

GENERAL NOTES:

1. THE LOCATION OF UTILITIES IS APPROXIMATE ONLY. THE EXACT LOCATION SHOULD BE DETERMINED BY CONSULTING THE MUNICIPAL AUTHORITIES AND UTILITY COMPANIES CONCERNED. THE CONTRACTOR SHALL PROVIDE THE LOCATION OF UTILITIES AND SHALL BE RESPONSIBLE FOR ADEQUATE PROTECTION FROM DAMAGE AND TEMPORARY SUPPORT DURING CONSTRUCTION.
2. DRAWINGS PLOTTED HALF SIZE (1/4"=1'-0") ARE NOT TO SCALE.

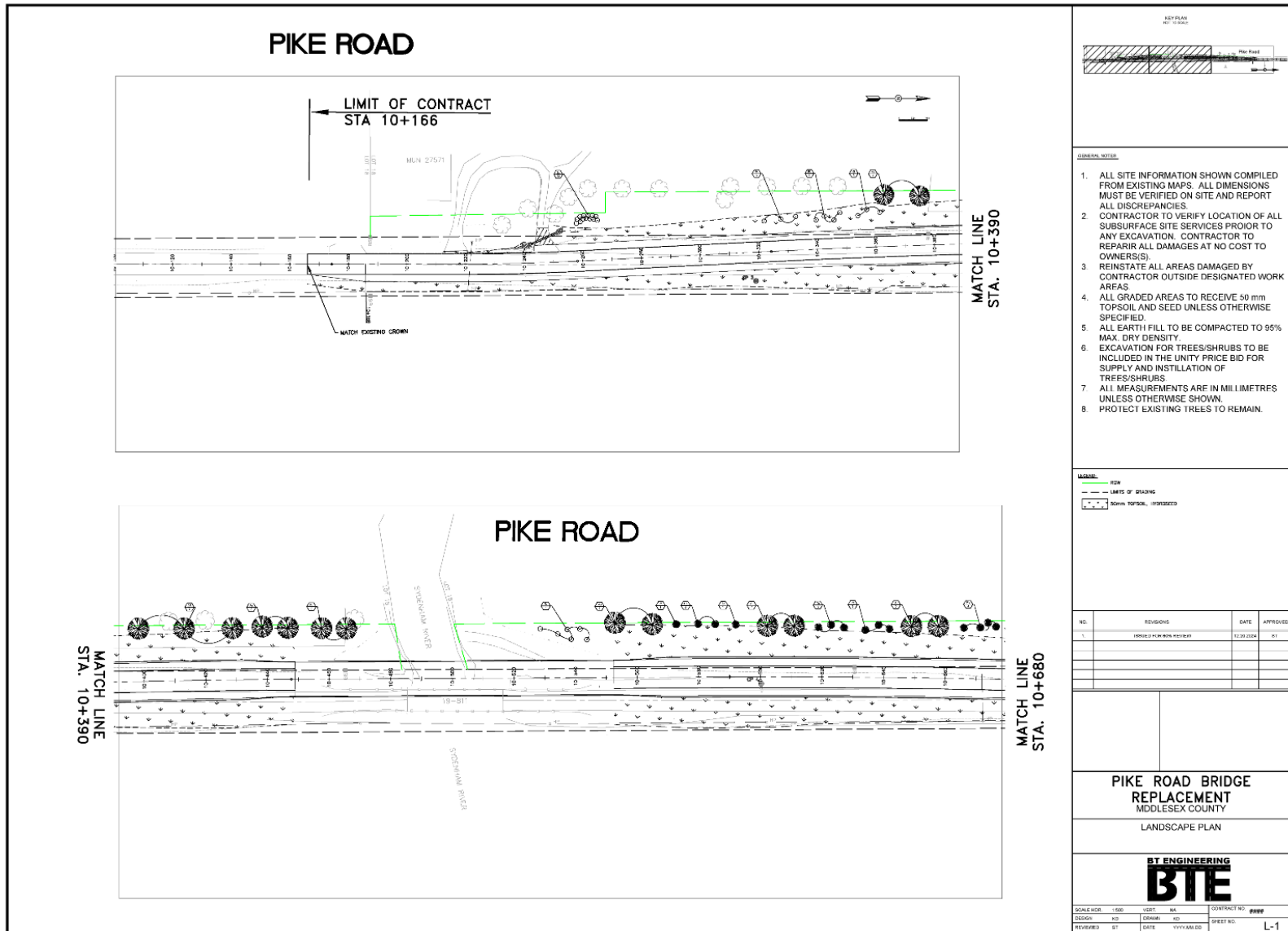
NO.	REVISION	DATE	APPROVED
1.	ISSUED FOR BIDDING	12.02.17	E.T.

PIKE ROAD BRIDGE
REPLACEMENT
MIDDLESEX COUNTY
TYPICAL SECTIONS



SCALE: HORIZ. 1:150	VERT. 1:150	CONTRACT NO. ###
DESIGN: W.A.	DRAWN: W.A.	SHEET NO. NC-04
REVIEWED: S.T.	DATE: 2024.08.03	

Landscaping - 1



PIKE ROAD

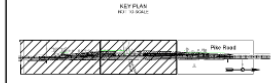
LIMIT OF CONTRACT
STA 10+166

MATCH LINE
STA. 10+390

PIKE ROAD

MATCH LINE
STA. 10+390

MATCH LINE
STA. 10+680



- GENERAL NOTES
1. ALL SITE INFORMATION SHOWN COMPILED FROM EXISTING MAPS. ALL DIMENSIONS MUST BE VERIFIED ON SITE AND REPORT ALL DISCREPANCIES.
 2. CONTRACTOR TO VERIFY LOCATION OF ALL SUBSURFACE SITE SERVICES PRIOR TO ANY EXCAVATION. CONTRACTOR TO REPAIR ALL DAMAGES AT NO COST TO OWNER(S).
 3. REINSTATE ALL AREAS DAMAGED BY CONTRACTOR OUTSIDE DESIGNATED WORK AREAS.
 4. ALL GRADED AREAS TO RECEIVE 50 mm TOPSOIL AND SEED UNLESS OTHERWISE SPECIFIED.
 5. ALL EARTH FILL TO BE COMPACTED TO 95% MAX. DRY DENSITY.
 6. EXCAVATION FOR TREES/SHRUBS TO BE INCLUDED IN THE UNITY PRICE BID FOR SUPPLY AND INSTALLATION OF TREES/SHRUBS.
 7. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
 8. PROTECT EXISTING TREES TO REMAIN.

- LEGEND:
- Tree symbol: TREE
 - Shrub symbol: SHRUB
 - Topsoil symbol: 50mm TOPSOIL, IMPORTED

NO.	REVISIONS	DATE	APPROVES
1.	ISSUED FOR PERMITS	12/28/2024	BT

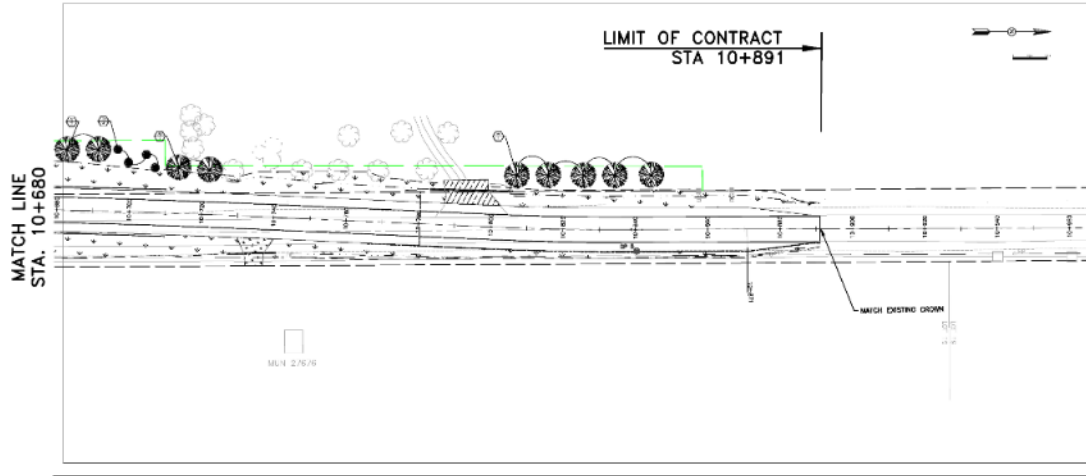
PIKE ROAD BRIDGE
REPLACEMENT
MIDDLESEX COUNTY
LANDSCAPE PLAN

BT ENGINEERING
BTE

SCALE: 1:500	SHEET: NA	CONTRACT NO: 0000
DESIGN: KD	DRAWN: KD	DIST NO:
REVIEWED: BT	DATE: YYYY/MM/DD	L-1

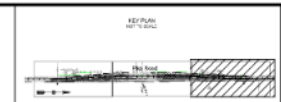
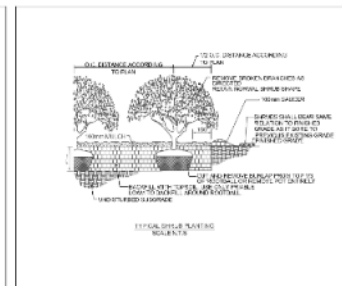
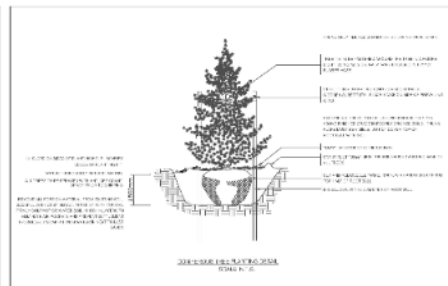
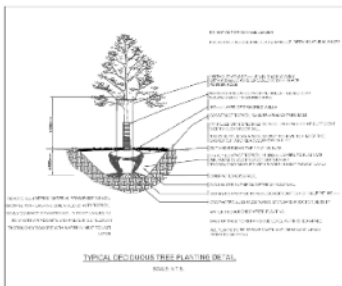
Landscaping - 2

PIKE ROAD

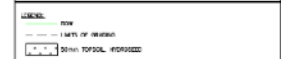


PLANT LIST

CODE	NO.	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
Bv	12	Common Yucca	<i>Synlipsis yuccae</i>	80 or Ht.	Ported 100 or O.C.
Rt	16	Staghorn Sumac	<i>Rhus typhina</i>	2 gal.	Ported 100 or O.C.
At	13	Autumn Blaze® Maple	<i>Acer x Fraxinasi Autumn Blaze® (cultivar)</i>	60 mm cal.	Wire Basket
As	6	Silver Maple	<i>Acer saccharinum</i>	60 mm cal.	Wire Basket
Rt	6	Treeing Aspen	<i>Populus tremuloides</i>	50 mm cal.	Wire Basket
Bt	3	Beaked Willow	<i>Salix robbinsii</i>	1 gal pot.	Ported
Pt	1	Red Pine	<i>Pinus resinosa</i>	205 cm PL.	Wire Basket
Tg	8	White Spruce	<i>Picea glauca</i>	205 cm PL.	Wire Basket
To	8	Eastern White Cedar	<i>Thuja occidentalis</i>	150 cm PL.	Balled and Burlaped



- REQUIREMENTS**
- ALL SITE INFORMATION SHOWN COMPILED FROM EXISTING MAPS. ALL DIMENSIONS MUST BE VERIFIED ON SITE AND REPORT ALL DISCREPANCIES.
 - CONTRACTOR TO VERIFY LOCATION OF ALL SUBSURFACE SITE SERVICES PRIOR TO ANY EXCAVATION. CONTRACTOR TO REPAIR ALL DAMAGES AT NO COST TO OWNER(S).
 - REINSTATE ALL AREAS DAMAGED BY CONTRACTOR OUTSIDE DESIGNATED WORK AREAS.
 - ALL GRADED AREAS TO RECEIVE 60 mm TOPSOIL AND SEED UNLESS OTHERWISE SPECIFIED.
 - ALL EARTH FILL TO BE COMPACTED TO 95% MAX. DRY DENSITY.
 - EXCAVATION FOR TREES/SHRUBS TO BE INCLUDED IN THE UNIT PRICE BID FOR SUPPLY AND INSTALLATION OF TREES/SHRUBS.
 - ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE SHOWN.
 - PROTECT EXISTING TREES TO REMAIN.



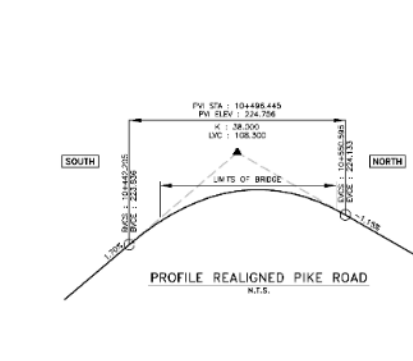
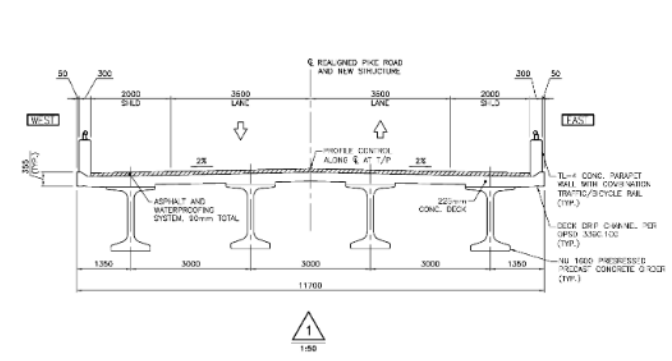
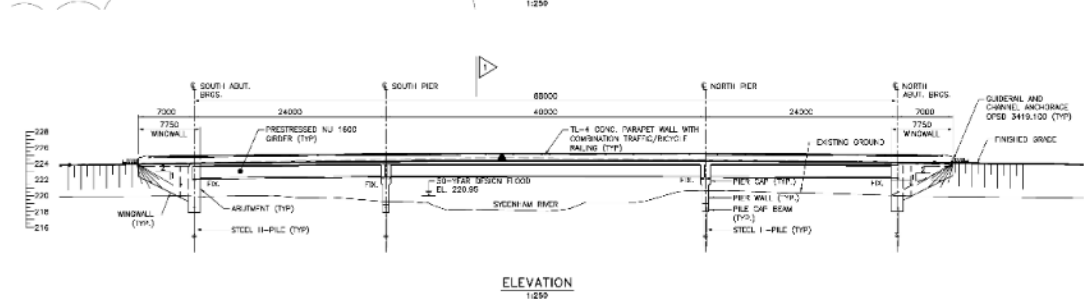
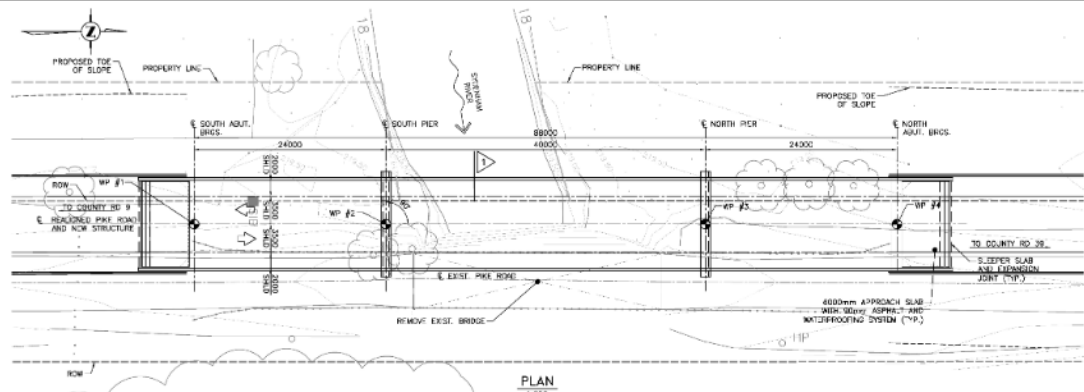
NO.	REVISION	DATE	APPROVE
1	ISSUED FOR BIDDING REVIEW	01/20/2024	BT

PIKE ROAD BRIDGE REPLACEMENT
MIDDLESEX COUNTY
LANDSCAPE PLAN AND LANDSCAPE DETAILS

BY ENGINEERING
BTE

SCALE: SEE 1:500 1:500 1:500 CONTRACT NO: 4444
 DESIGN: BT DRAWN: BT CHECKED: BT
 REVISION: BT DATE: 2024.01.20 SHEET NO: L-2

Bridge General Arrangement



GENERAL NOTES

- CLASS OF CONCRETE:**
 - PRECAST GIRDERS: 60 MPa
 - DECK: 30 MPa
 - REMAINDER (I.N.O.): 30 MPa
- CLEAR COVER TO REINFORCING STEEL:**
 - 100% NO. FILE CAP: 100±35
 - DECK - TOP: 70±20
 - DECK - BOTTOM: 45±15
 - REMAINDER (I.N.O.): 70±20
- REINFORCING STEEL:**
 - REINFORCING STEEL SHALL BE GRADE 400W UNLESS OTHERWISE SPECIFIED.
 - BAR MARKS WITH PREFIX 'S' DENOTE STAINLESS STEEL BARS.
 - STAINLESS REINFORCING STEEL BARS SHALL BE TYPE 316L OR DUPLEX 2205 AND HAVE A MINIMUM YIELD STRENGTH OF 500 MPa.
 - UNLESS SHOWN OTHERWISE TENSION LAY OUTS SHALL BE CLASS B.
 - BAR HOOKS SHALL HAVE STANDARD HOOK DIMENSIONS USING MINIMUM BEND DIAMETERS. WHILE STIRRUPS AND TIES SHALL HAVE MINIMUM HOOK DIMENSIONS. ALL HOOKS SHALL BE IN ACCORDANCE WITH THE STRUCTURAL DRAWING S312-1 UNLESS INDICATED OTHERWISE.
- CONSTRUCTION NOTES:**
 - BACKFILL SHALL NOT BE PLACED BEHIND THE ABUTMENTS UNTIL THE DECK SLAB IS IN PLACE AND HAS REACHED 70% OF ITS SPECIFIED 28-DAY STRENGTH.
 - BACKFILL SHALL BE PLACED SIMULTANEOUSLY BEHIND BOTH ABUTMENTS KEEPING THE HEIGHT OF THE BACKFILL APPROXIMATELY THE SAME. AT NO TIME SHALL THE DIFFERENCE IN ELEVATION BE GREATER THAN 500mm.
 - CONSTRUCT ABUTMENTS AND WINDMILLS TO THE BEARING SEAT ELEVATIONS. THE CONTRACTOR SHALL SUPPLY TEMPORARY VERTICAL AND LATERAL BRACING FOR THE ABUTMENTS AND WINDMILLS FORMWORK AND ALL BRACING SHALL NOT BE REMOVED UNTIL THE CONCRETE IN ABUTMENTS, WINDMILLS, AND DECK HAS REACHED 70% OF ITS SPECIFIED 28-DAY STRENGTH.
 - CONTRACTOR TO ENSURE THE STABILITY OF THE ABUTMENTS DURING CONSTRUCTION.
 - THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, DETAILS AND ELEVATIONS OF THE EXISTING STRUCTURE THAT ARE RELEVANT TO THE WORK SHOWN ON THE DRAWINGS PRIOR TO COMMENCEMENT OF THE WORK. ANY DISCREPANCIES SHALL BE REPORTED TO THE CONTRACT ADMINISTRATOR AND THE PROPOSED ADJUSTMENT OF THE WORK REQUIRED TO MATCH THE EXISTING STRUCTURE SHALL BE SUBMITTED FOR APPROVAL.
 - ALL ELEVATIONS ARE TO GEODETIC DATUM.
 - THE CONTRACTOR IS FULLY RESPONSIBLE FOR ADEQUATE PROTECTION OF ALL UTILITIES, BRIDGES, STRUCTURES, ROADWAYS, ETC. DURING CONSTRUCTION.
 - WELDED CONSTRUCTION JOINTS TO AN ANCHOR STRAP/CLIP. ROUNDNESS AMPLITUDE OF 0.2mm @ 10mm C/C.

APPLICABLE STANDARD DRAWINGS

- OP80 8000.100 FOUNDATION PILES-STEEL I-FILE (EXAM) 20+0
- OP80 8000.150 FOUNDATION PILES-STEEL I-FILES SPICE
- OP80 8101.100 WALLS ABUTMENT BACKFILL MINIMUM GRADATION REQUIREMENT
- OP80 3380.200 DECK JOINT PILE BARGE STRUCTURES WITH PARAPET WALLS
- OP80 3390.100 DECK WATERPROOFING NOT APPLIED ASPHALT MEMBRANE WITH PROTECTION FLANGE
- OP80 3370.101 DECK WATERPROOFING, HOT APPLIED ASPHALT MEMBRANE AT ACTIVE GRADES GREATER THAN 2mm WIDE AND CONSTRUCTION JOINTS
- OP80 3419.100 QUADRAL AND O-RING ANCHORAGE
- OP80 3041.200 HEADS IN JOINTS B - 301 NUMBER AND DATA LAYOUT
- OP80 3050.100 JOINTS - CONCRETE EXPANSION AND CONSTRUCTION ON CONCRETE

LIST OF DRAWINGS

- S-01 - GENERAL ARRANGEMENT
- S-02 - FOUNDATION LAYOUT
- S-03 - ABUTMENT GEOMETRY
- S-04 - ABUTMENT REINFORCEMENT
- S-05 - WINDMILL GEOMETRY
- S-06 - WINDMILL REINFORCEMENT
- S-07 - PIER GEOMETRY
- S-08 - PIER REINFORCEMENT
- S-09 - GREEK DETAILS I
- S-10 - GREEK DETAILS II
- S-11 - GREEK DETAILS III
- S-12 - DECK LAYOUT AND SCREEN ELEVATIONS
- S-13 - DECK REINFORCEMENT I
- S-14 - DECK REINFORCEMENT II
- S-15 - PARAPET WALL
- S-16 - PARAPET WALL RAILING
- S-17 - APPROACH SLAB
- S-18 - APPROACH JOINT AND SLEEPER SLAB
- S-19 - STRIP SEAL EXPANSION JOINT DETAIL
- S-20 - SEQUENCE OF EXPANSION JOINT INSTALLATION
- S-21 - STANDARD DETAIL
- S-22 - FILE DRAWING CONTROL

LIST OF ABBREVIATIONS

- ABUT. - ABUTMENT
- B/S/SL - BORINGS
- C./J. - CONNECTION JOINT
- ELEV. - ELEVATION
- EL. - ELEVATION
- IR - IRON
- M/D - METRIC
- N.T.S. - NOT TO SCALE
- SHL. - SHOULDER
- STR. - STRIP SEAL
- T/W - TYPICAL
- TRK. - TRACK
- S/W - SIDEWALK
- TH. - THICKNESS
- TYP. - TYPICAL
- T/F - TOP OF FOOTING
- T/P - TOP OF PAVEMENT
- U/S - UNDERGROUND
- WP - WORK POINT

NOT FOR CONSTRUCTION

© 2024 ENTUITIVE CORPORATION. MUST BE RETURNED UPON REQUEST. REPRODUCTION OF THESE DRAWINGS, SPECIFICATIONS, RELATED DOCUMENTS AND DESIGNS IN WHOLE OR IN PART IS STRICTLY FORBIDDEN WITHOUT THE PRIOR WRITTEN PERMISSION OF ENTUITIVE CORPORATION.

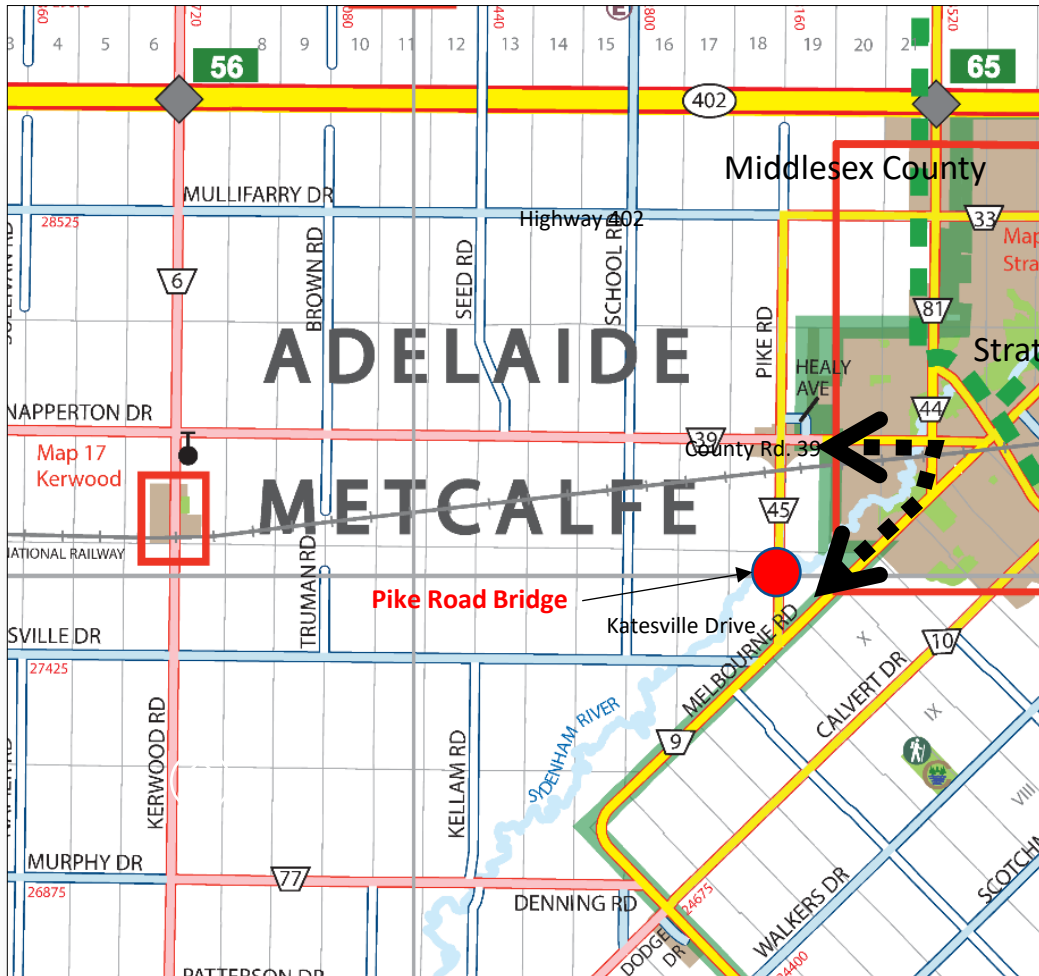
NO.	DATE	REVISIONS	BY

ENTUITIVE
200 University Avenue, 7th Floor
Toronto, ON M5H 3C6 Canada
+1 416 477 2622

BY ENGINEERING
BTE
PROJECT: PIKE ROAD BRIDGE REPLACEMENT
TITLE: GENERAL ARRANGEMENT

DESIGN	SCALE	DATE	ISSUED FOR REVIEW	DATE
J.L.	AS INDICATED	2024/08/23		
E.T.				
CHECKED				

Detour Route



County Roads:
39 (Napperton Drive)
44 (Victoria Street)
9 (Metcalfe Street/Melbourne Road)
Detour approx. 5.1 km

Next Steps

Following this meeting we will:

- Review all PCC comments and ideas and prepare a Summary Report
- Finalize the Design
- Property Acquisitions
- Tender Project
- Construction Spring to Fall 2025

Provide a comments to:

Steve Taylor
Consultant Project Manager
BT Engineering Inc.
509 Talbot Street
London, ON N6A 2S5
Email: stevenj.taylor@bteng.ca
Phone: 519-672-2222
Toll Free: 1-866-218-1001

Chris Traini, P.Eng.
County Engineer
County of Middlesex
1988 Gainsborough Road
London, ON N6H 5L2
Email: ctraini@middlesex.ca
Phone: 519-434-7321 ext. 2264

Thank you for your participation in this PCC.

Your input into this project is valuable and appreciated.

Please submit any questions or comments to the contacts listed above by **February 11, 2023**.

All information is collected in accordance with the *Municipal Freedom of Information and Protection of Privacy Act*.