

ST. JOHN'S

DEPARTMENT OF PLANNING, ENGINEERING AND REGULATORY SERVICES



The Department of Transportation and Infrastructure
Government of Newfoundland and Labrador

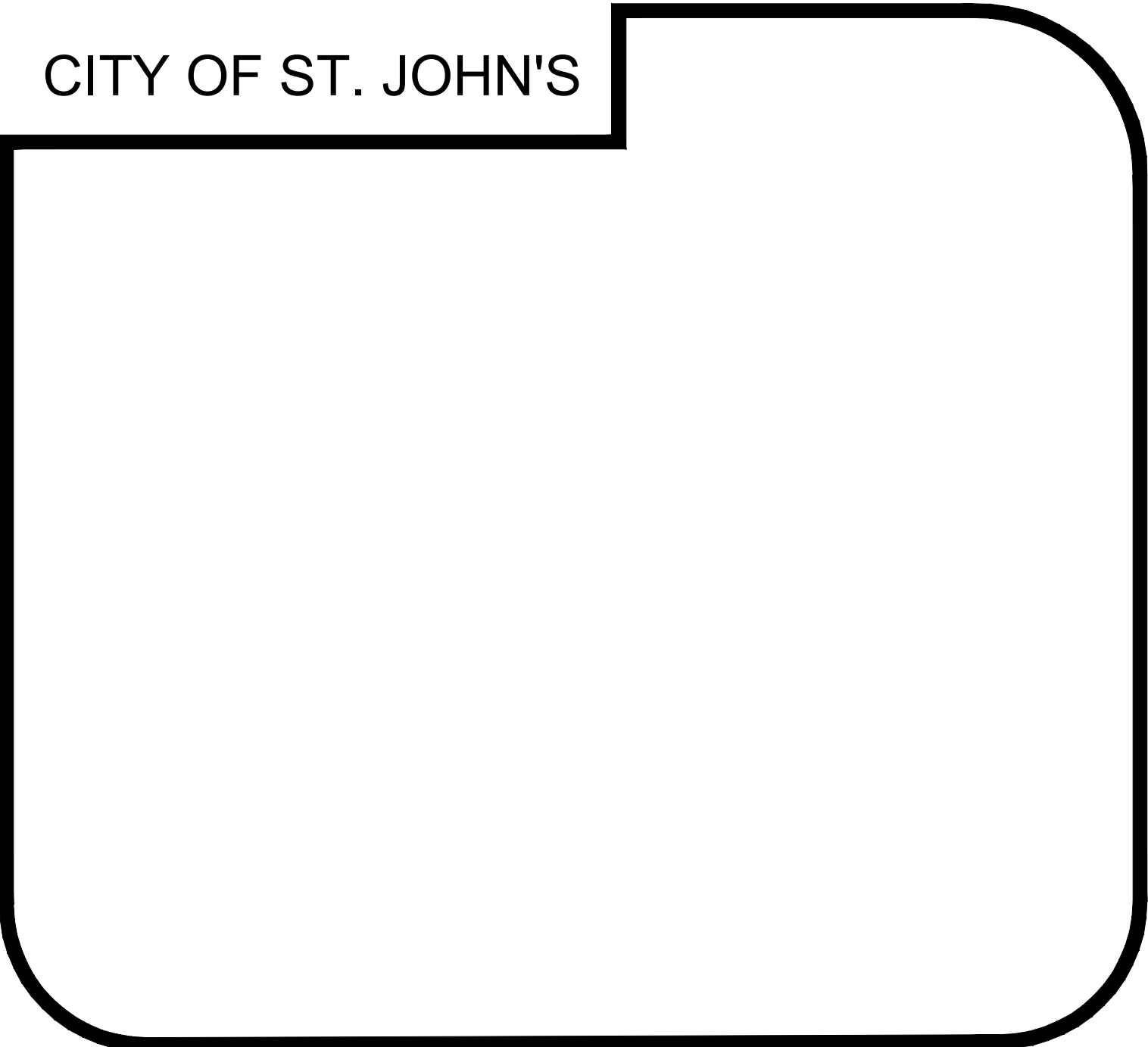
PROJECT TITLE

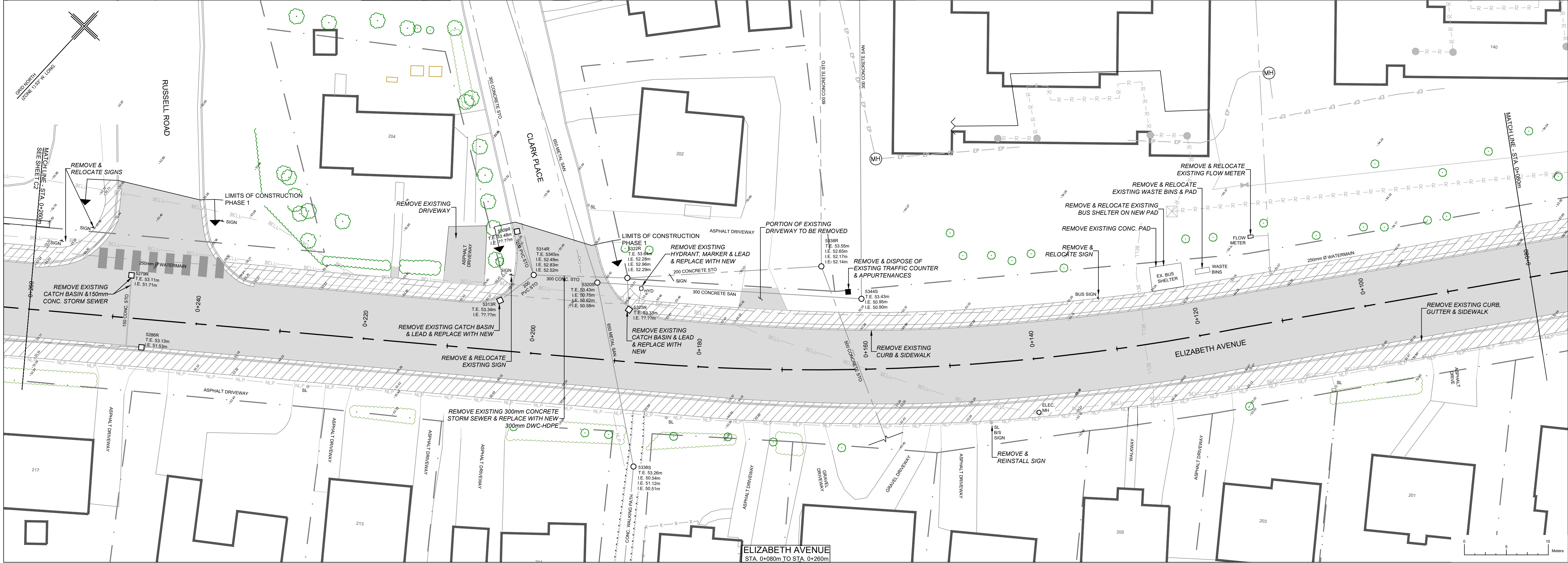
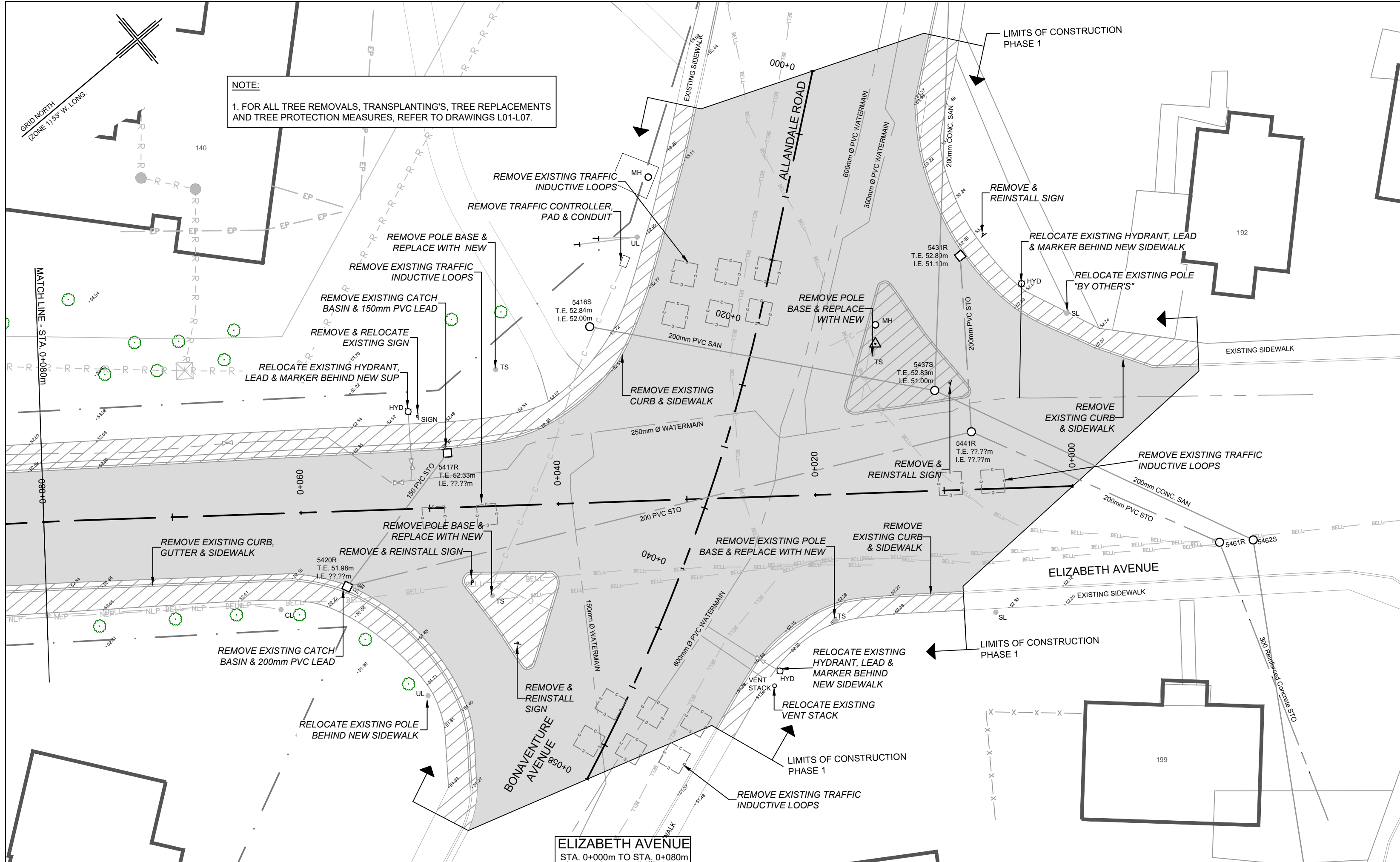
ELIZABETH AVENUE
RECONSTRUCTION AND SHARED-USE-PATH - PHASE I

SHEET No. & DESCRIPTION

C1	EXISTING CONDITIONS & REMOVALS PLAN - 01	L101	KEY PLAN & GENERAL NOTES
C2	EXISTING CONDITIONS & REMOVALS PLAN - 02	L102	PRESERVATION PLAN & TREE INVENTORY
C3	EXISTING CONDITIONS & REMOVALS PLAN - 03	L103	PRESERVATION PLAN & TREE INVENTORY
C4	EXISTING CONDITIONS & REMOVALS PLAN - 04	L104	PRESERVATION PLAN & TREE INVENTORY
C5	FINISHED CONDITIONS PLAN & PROFILE - 01	L105	PRESERVATION PLAN & TREE INVENTORY
C6	FINISHED CONDITIONS PLAN & PROFILE - 02	L106	PRESERVATION PLAN & TREE INVENTORY
C7	FINISHED CONDITIONS PLAN & PROFILE - 03	L107	TREE PROTECTION FENCING & SIGNAGE DETAILS
C8	FINISHED CONDITIONS PLAN & PROFILE - 04		
C9	FINISHED CONDITIONS PLAN & PROFILE - 05	L201	KEY PLAN & GENERAL NOTES
C10	FINISHED CONDITIONS PLAN & PROFILE - 06	L202	PRESERVATION PLAN & TREE INVENTORY
C11	FINISHED CONDITIONS PLAN & PROFILE - 07	L203	PRESERVATION PLAN & TREE INVENTORY
C12	SECTIONS & DETAILS	L204	PRESERVATION PLAN & TREE INVENTORY
C13	PAVEMENT MARKINGS & SIGNAGE PLAN - 01	L205	PRESERVATION PLAN & TREE INVENTORY
C14	PAVEMENT MARKINGS & SIGNAGE PLAN - 02	L206	PRESERVATION PLAN & TREE INVENTORY
C15	PAVEMENT MARKINGS & SIGNAGE PLAN - 03	L207	TREE PROTECTION FENCING & SIGNAGE DETAILS

CITY OF ST. JOHN'S





GENERAL NOTES

- NOTES ON THIS DRAWING APPLY TO ALL DRAWINGS IN THE SET.
- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ST. JOHN'S SPECIFICATIONS BOOK.
- ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE PROVINCIAL OCCUPATIONAL HEALTH AND SAFETY ACT.
- THE CONTRACTOR IS RESPONSIBLE TO OBTAIN ALL NECESSARY PERMITS AND CLEARANCES PRIOR TO STARTING WORK.
- TOPOGRAPHIC SURVEY BY CITY OF ST. JOHN'S, DEPARTMENT OF ENGINEERING, SURVEYING DIVISION, 2022.
- ALL MEASUREMENTS ARE HORIZONTAL GROUND DISTANCES IN METRES AND REFERENCED TO NAD83 DATUM.
- CONTRACTOR SHALL HAVE A LEGAL SURVEYOR TO ESTABLISH TEMPORARY BENCHMARKS.
- CONTRACTOR SHALL BE RESPONSIBLE TO SECURE SITE DURING CONSTRUCTION FOR PUBLIC SAFETY.
- DO NOT SCALE FROM DRAWINGS.
- CONTRACTOR SHALL PROVIDE TEMPORARY TRAFFIC CONTROL IN ACCORDANCE WITH "DIVISION 7: SPECIFICATIONS FOR TEMPORARY SIGNS & DEVICES" OF THE CITY OF ST. JOHN'S SPECIFICATIONS BOOK. THE COST OF PROVIDING TRAFFIC CONTROL IS INCIDENTAL TO CONTRACT. REFER TO TECHNICAL REQUIREMENTS FOR MORE DETAILS.
- CONTRACTOR SHALL MAINTAIN AT LEAST ONE (1) LANE OF TRAFFIC THROUGH THE WORK ZONE. WHENEVER THE CONTRACTOR IS NOT ON SITE, THE CONTRACTOR SHALL ENSURE AT LEAST ONE (1) LANE OF TRAFFIC IS MAINTAINED IN EACH DIRECTION.
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS ON SITE BEFORE PROCEEDING WITH THE WORK.
- CONTRACTOR TO SUBMIT ALL SHOP DRAWINGS, ASPHALT MIX DESIGN, CONCRETE MIX DESIGN, AGGREGATE GRADATIONS AND PRODUCT DATA SHEETS TO THE ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
- CONTRACTOR SHALL CONDUCT DUST CONTROL MEASURES SUCH AS PERIODIC SPRINKLING OF WATER OR OTHER APPROVED MEANS, INCLUDING APPLICATION OUTSIDE OF REGULAR WORKING HOURS AS REQUIRED. COST OF DUST CONTROL SHALL BE INCIDENTAL TO THE CONTRACT.
- ALL DISTURBED AREAS BEYOND LIMITS OF WORK SHALL RESTORED TO ORIGINAL CONDITIONS OR BETTER.
- CONTRACTOR SHALL PROVIDE CONSTRUCTION METHODS TO SUIT LOCAL SOIL CONDITIONS WHICH WILL NOT WEAKEN SUBGRADE CAUSED BY CONSTRUCTION OPERATIONS TO SATISFACTION OF ENGINEER.
- STABILIZE SLOPES WITH 150mm TOPSOIL & SOD UNLESS OTHERWISE NOTED.
- MINIMUM FINISHED SLOPE OF LANDSCAPED AREAS SHALL BE 2.00%. MAXIMUM FINISHED SLOPE OF LANDSCAPED AREAS SHALL BE 2H:1V.
- CONTRACTOR RESPONSIBLE FOR LOCATING EXISTING UNDERGROUND INFRASTRUCTURE, CONFIRMING PIPE SIZES AND INVERT ELEVATIONS (I.E. WATERMAIN, SEWERS, TELEPHONE, CABLE, POWER LINES, FIBEROPTIC LINE, ETC) BEFORE PROCEEDING WITH WORK. ADVISE ENGINEER OF ANY DISCREPANCIES. COST OF ALL SUCH EXPLORATORY WORK SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
- CONTRACTOR TO COORDINATE WITH UTILITY COMPANIES (NEWFOUNDLAND POWER, BELL ALLIANT, ROGERS, EASTLINK, ETC.) ALL COSTS ASSOCIATED WITH EXCAVATION AROUND EXISTING INFRASTRUCTURE, INCLUSIVE OF NECESSARY SUPPORT, SHALL BE CONSIDERED INCIDENTAL TO CONTRACT.
- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL EXCAVATE IN LOCATION OF ALL PROPOSED PIPE CROSSINGS AND TIE-INS TO EXISTING SEWERS TO CONFIRM LOCATION, PIPE MATERIAL, PIPE DIAMETER AND INVERT ELEVATIONS OF EXISTING INFRASTRUCTURE. (COST SHALL BE INCIDENTAL TO CONTRACT). EXPLORATORY INFORMATION SHALL BE OBTAINED PRIOR TO SHOP DWG SUBMITTALS. ADVISE ENGINEER OF ANY DISCREPANCIES DISCOVERED.
- EXISTING WATERMAIN LOCATIONS WERE TRACED AND SURVEYED FROM THE SURFACE, AND SHALL BE CONSIDERED APPROXIMATE LOCATION AND ELEVATION ONLY. CONTRACTOR SHALL USE EXTREME CAUTION WHEN EXCAVATING/ BACKFILLING IN AREAS OF EXISTING WATERMANS. ANY DAMAGE TO ANY EXISTING INFRASTRUCTURE SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- OPERATION OF EXISTING WATER MAIN VALVES SHALL BE CONDUCTED BY CITY FORCES.
- CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION AND POST-CONSTRUCTION VIDEO INSPECTION OF ALL SEWERS WITHIN THE PROJECT LIMITS. ANY DAMAGE OR DEFICIENCIES OF EXISTING SEWERS SHALL BE CORRECTED BY THE CONTRACTOR AT OWN EXPENSE PRIOR TO PLACEMENT OF ASPHALT.
- CONTRACTOR SHALL PROVIDE NECESSARY TRENCHING METHODS (I.E. TRENCHBOX, ETC.) AS REQUIRED TO PROTECT EXISTING INFRASTRUCTURE & TO MAINTAIN A SINGLE LANE OF VEHICULAR TRAFFIC AND ONE PEDESTRIAN WALK AT ALL TIMES.
- MANHOLE SIZES SHOWN SHALL BE CONFIRMED BY MANHOLE SUPPLIER. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL MANHOLES, CATCH BASINS AND CHAMBERS FOR APPROVAL. SHOP DRAWINGS SHALL CONTAIN SEAL OF A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEWFOUNDLAND AND LABRADOR.
- FOR THE NEWFOUNDLAND POWER MANHOLES/CHAMBERS, THE CONTRACTOR SHALL PROVIDE STRUCTURAL DRAWINGS, SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN NEWFOUNDLAND & LABRADOR. COST OF PROVIDING STRUCTURAL DRAWINGS IS INCIDENTAL TO THE CONTRACT.
- ANY EXISTING CATCH BASINS OR MANHOLES SCHEDULED TO BE LEFT IN PLACE SHALL BE CLEANED, ALL DEBRIS REMOVED, AND REPAIRED AS NECESSARY PRIOR TO INSTALLING NEW STORM SEWER PIPE CONNECTIONS OR NEW CATCH BASIN LEADS.
- CONTRACTOR TO PROVIDE PIPE SUPPORT DETAILS FOR APPROVAL PRIOR TO EXCAVATION AT CROSSINGS. CONTRACTOR TO USE NON SHRINK FILL TO ENSURE SUPPORT OF PIPE.
- UPON COMPLETION OF PROJECT, THE CONTRACTOR SHALL PROVIDE ENGINEER WITH SET OF AS-BUILT DRAWINGS AS PER THE TECHNICAL REQUIREMENTS OF PROJECT DOCUMENTS.
- CONTRACTOR TO REMOVE & REINSTALL ANY EXISTING PROVINCIAL SURVEY BENCHMARKS ENCOUNTERED. THE CITY WILL SUPPLY NEW SURVEY PLUG AND CONTRACTOR SHALL INSTALL AS PER CITY OF ST. JOHN'S SPECIFICATION BOOK DETAILS 10-60101 OR 10-60102. CONTRACTOR TO COORDINATE WITH PROVINCIAL CONTROL SURVEYS.
- CONTRACTOR SHALL SUPPLY & INSTALL TWO PROJECT SIGNS PRIOR TO START OF CONSTRUCTION. EXACT LOCATION TO BE DETERMINED IN THE FIELD AND APPROVED BY THE CITY OF ST. JOHN'S. CONTRACTOR RESPONSIBLE FOR COORDINATING LOCATION AND OBTAINING UNDERGROUND CLEARANCES. SIGN POST INSTALLATION TO BE "TYPE C" IN ACCORDANCE WITH THE CITY OF ST. JOHN'S SPECIFICATION BOOK. SEE TECHNICAL REQUIREMENTS FOR SIGN PANEL DETAILS.
- WORK OF TOPSIDES PORTION OF NEW TRAFFIC CONTROL POLE, SIGNALS, DEVICES & ELECTRICAL WIRING WILL BE UNDERTAKEN BY CITY OF ST. JOHN'S. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NEW UNDERGROUND PORTION OF TRAFFIC POLE BASES, CONDUIT, LOOPS REMOVALS & REPLACEMENTS. CONTRACTOR SHALL COORDINATE WITH CITY ON ALL ASPECTS OF TRAFFIC SIGNALS REMOVALS & REPLACEMENTS.
- COORDINATE DECOMMISSIONING OF EXISTING TRAFFIC INFRASTRUCTURE WITH CITY OF ST. JOHN'S. "CITY" TO REMOVE EXISTING POLES, JUNCTION BOXES, SIGNAL HEADS, CONTROLLERS, ETC. CONTRACTOR TO REMOVE AND LEGALLY DISPOSE OF EXISTING POLE BASES, UNDERGROUND CONDUIT AND INDUCTIVE LOOPS."
- WORK OF REMOVAL/RELOCATION AND SUPPLY/INSTALLATION OF NEW UTILITY POLES & STREET LIGHTS SHALL BE CONDUCTED "BY OTHERS". CONTRACTOR SHALL SUPPLY/INSTALL UNDERGROUND CONDUIT/DUCT BANKS AS OUTLINED, AND SHALL COORDINATE WITH RESPECTIVE UTILITY COMPANIES AS IT APPLIES TO REMOVAL/RELOCATION AND SUPPLY/INSTALLATION OF UTILITY POLES & STREET LIGHTS "BY OTHERS".
- CONTRACTOR TO CHANNEL CUT EXISTING ASPHALT, OR SAW CUT EXISTING CONCRETE THAT IS SCHEDULED TO REMAIN TO ACHIEVE SMOOTH TRANSITION.
- PRIOR TO EXCAVATION, MUN FM ELECTRICAL WILL COMPLETE UNDERGROUND LOCATES WITH GC & CSU.

DO NOT SCALE FROM PRINT

POLE CLASSIFICATION

- U - UTILITY POLE
- UL - UTILITY POLE WITH LIGHT
- SL - STEEL POLE WITH LIGHT
- CL - CONCRETE POLE WITH LIGHT
- TS - TRAFFIC STEEL POLE
- TA - TRAFFIC ALUMINUM POLE

LEGEND

- PROPERTY BOUNDARY
- FENCE LINE
- EXISTING SANITARY PIPE
- EXISTING STORM PIPE
- NEW SANITARY PIPE
- NEW STORM PIPE
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING DCB
- NEW MANHOLE
- NEW CATCH BASIN
- NEW DCB
- WATERMAIN
- HYDRANT
- NEW HYDRANT
- VALVE
- TRAFFIC U/G CABLE
- BELL ALLIANT U/G CABLE
- NL POWER U/G CABLE
- ROGERS U/G CABLE
- U/G ELECTRICAL
- F.I.P.
- POLE LINE
- TRAFFIC POLE
- GUY WIRE
- JUNCTION BOX
- EXISTING SIGN
- RETAINING WALL
- SIDEWALK REMOVAL
- ASPHALT REMOVAL
- NEW SHARED USE PATH
- NEW CONCRETE
- NEW COLORED CONCRETE
- NEW GRASS/SOD
- WARNING SURFACE PLATES
- EXISTING TREES
- EX. TREELINE/SHRUBS
- EXISTING ELEVATION
- NEW GRADE

STAMP



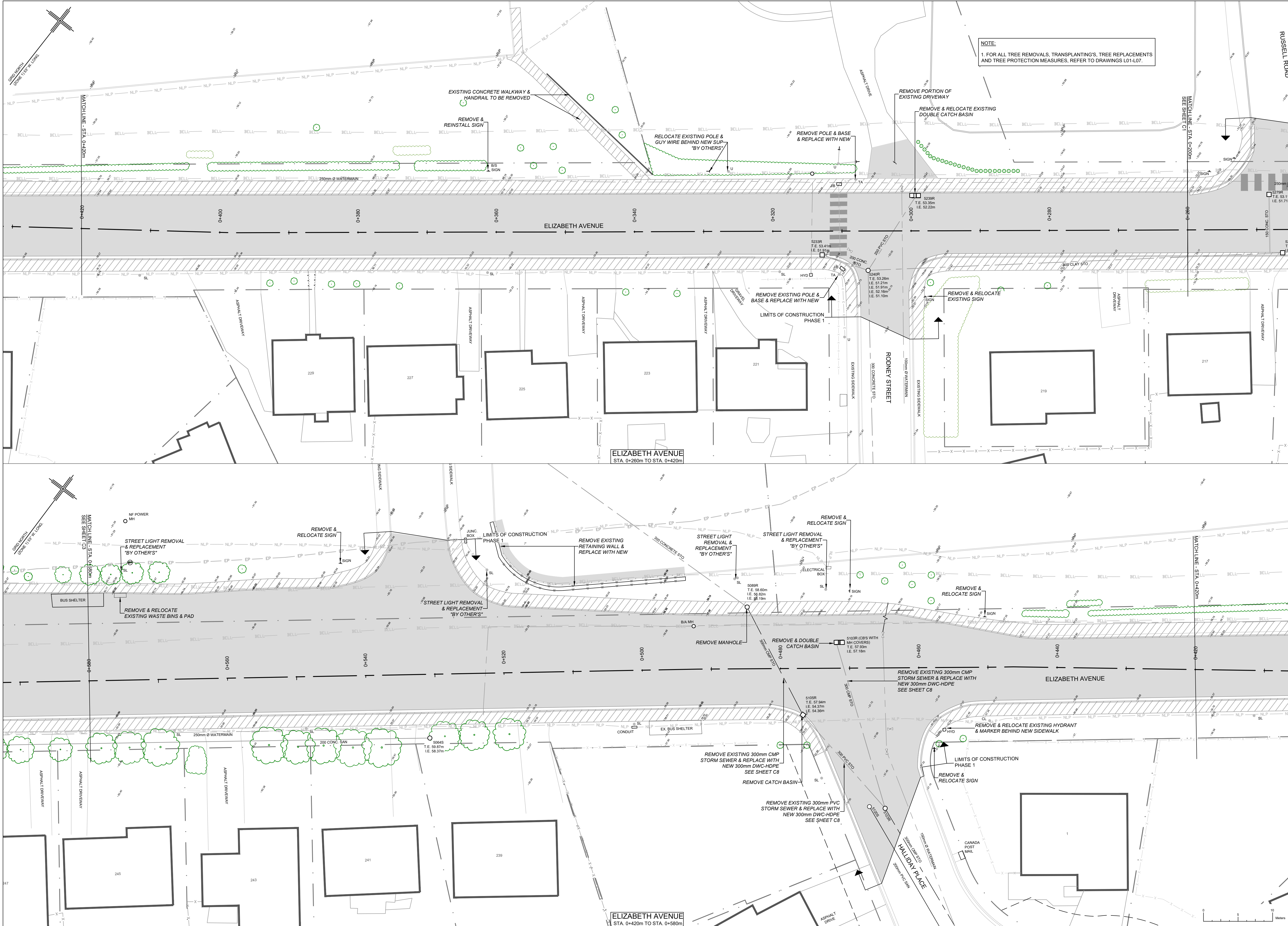
23/06/09	ISSUED FOR TENDER	0
DATE	REVISION	NO.

PROJECT	ELIZABETH AVENUE RECONSTRUCTION AND SHARED-USE-PATH PHASE I
TENDER No.	2023081

SHEET TITLE	EXISTING CONDITIONS & REMOVALS PLAN - 01
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AUTHORITY	ST. JOHN'S DEPARTMENT OF PLANNING, ENGINEERING AND REGULATORY SERVICES
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SCALE	1:250	DATE	APRIL 2023
DRAWN BY	SP	SHEET	1 OF 29
CHECKED BY	PP	DRAWING NUMBER	C1
APPROVED BY	--	PROJECT NUMBER	2020-124



DO NOT SCALE FROM PRINT

POLE CLASSIFICATION

U - UTILITY POLE
UL - UTILITY POLE WITH LIGHT
SL - STEEL POLE WITH LIGHT
CL - CONCRETE POLE WITH LIGHT
TS - TRAFFIC STEEL POLE
TA - TRAFFIC ALUMINUM POLE

LEGEND

PROPERTY BOUNDARY

FENCE LINE

EXISTING SANITARY PIPE

EXISTING STORM PIPE

NEW SANITARY PIPE

NEW STORM PIPE

EXISTING MANHOLE

EXISTING CATCH BASIN

EXISTING DCB

NEW MANHOLE

NEW CATCH BASIN

NEW DCB

WATERMAIN

HYDRANT

NEW HYDRANT

VALVE

TRAFFIC U/G CABLE

BELL ALIANT U/G CABLE

NL POWER U/G CABLE

ROGERS U/G CABLE

U/G ELECTRICAL

F.I.P.

POLE LINE

TRAFFIC POLE

GUY WIRE

JUNCTION BOX

EXISTING SIGN

RETAINING WALL

SIDEWALK REMOVAL

ASPHALT REMOVAL

NEW SHARED USE PATH

NEW CONCRETE

NEW COLORED CONCRETE

NEW GRASS/SOD

WARNING SURFACE PLATES

EXISTING TREES

EX. TREELINE/SHRUBS

EXISTING ELEVATION

NEW GRADE

STAMP

REGISTERED PROFESSIONAL ENGINEER
P. T. PORTER
Signature
22/06/22
DATE
PROVINCE OF NEWFOUNDLAND

23/06/09	ISSUED FOR TENDER	0
DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE 1
TENDER No. 2023081

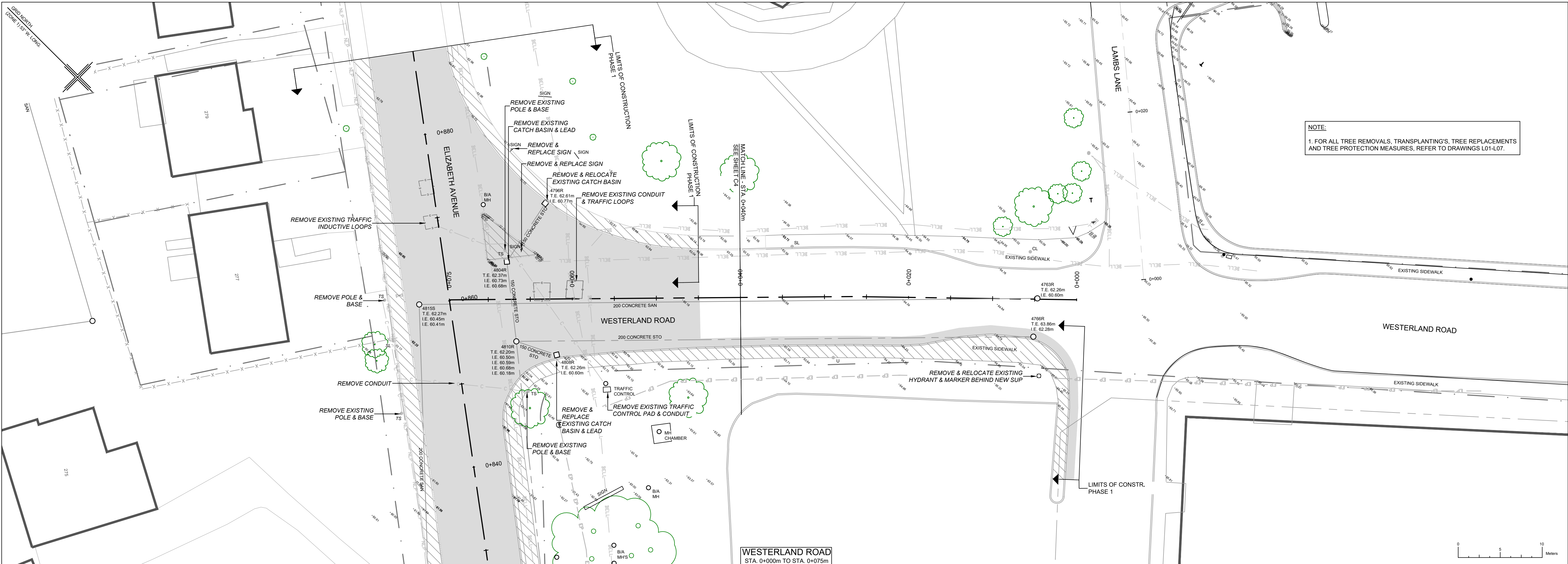
SHEET TITLE

EXISTING CONDITIONS
& REMOVALS PLAN - 02

AUTHORITY

ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

SCALE	DATE
1:250	APRIL 2023
DRAWN BY	SHEET
SP	2 OF 29
CHECKED BY	DRAWING NUMBER
PP	C2
APPROVED BY	PROJECT NUMBER
--	2020-124



DO NOT SCALE FROM PRINT

POLE CLASSIFICATION

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LEGEND

- PROPERTY BOUNDARY
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- EXISTING SANITARY PIPE
- EXISTING STORM PIPE
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- EXISTING MANHOLE
- EXISTING CATCH BASIN
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- ASPHALT REMOVAL
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- NEW COLORED CONCRETE
- NEW GRASS/SOD
- WARNING SURFACE PLATES
- EXISTING TREES
- EX. TREELINE/SHRUBS
- EXISTING ELEVATION
- NEW GRADE

STAMP



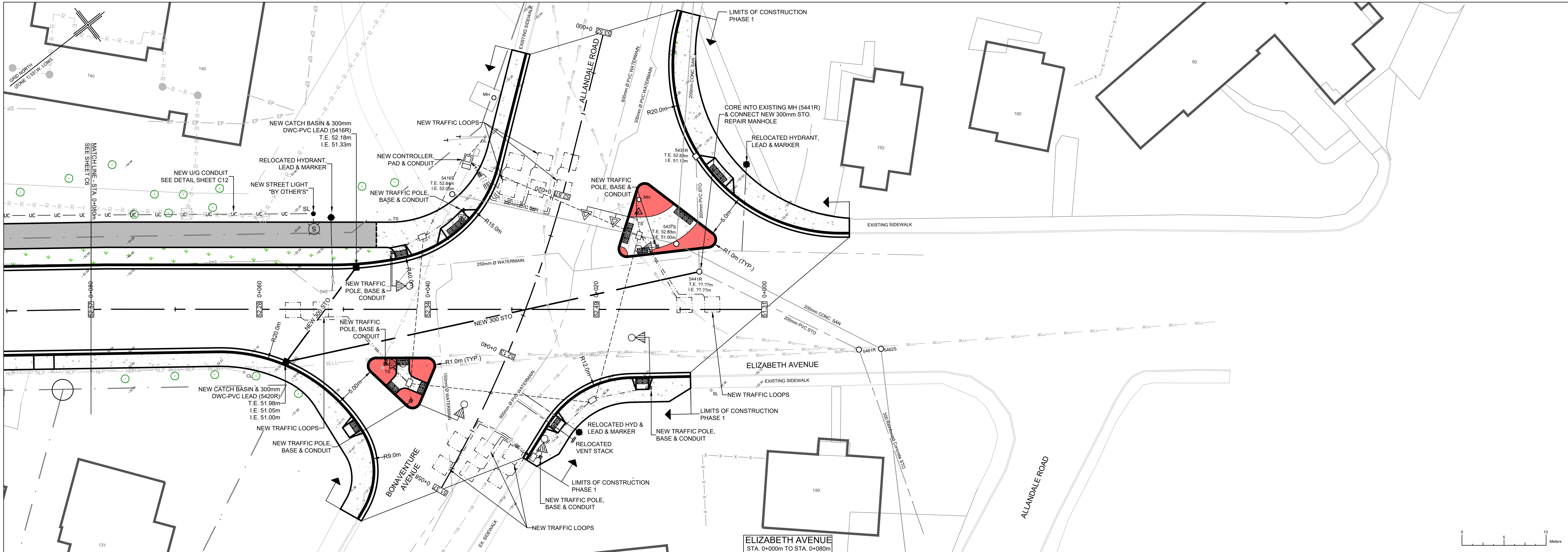
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DATE	REVISION	NO.

PROJECT	ELIZABETH AVENUE RECONSTRUCTION AND SHARED-USE-PATH PHASE I
TENDER No.	2023081

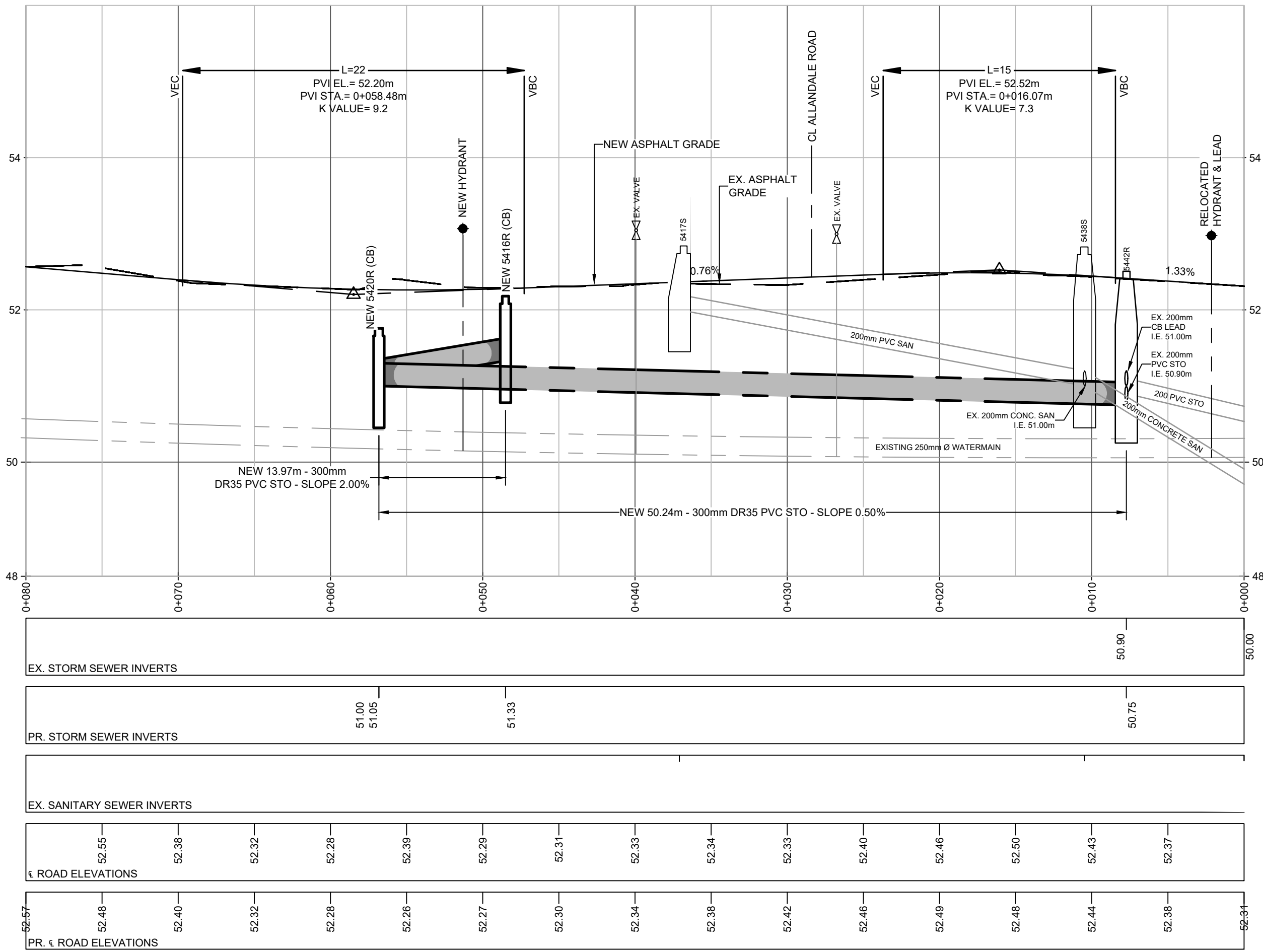
SHEET TITLE	EXISTING CONDITIONS & REMOVALS PLAN - 04
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AUTHORITY	ST. JOHN'S DEPARTMENT OF PLANNING, ENGINEERING AND REGULATORY SERVICES
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SCALE	1:250	DATE	APRIL 2023
DRAWN BY	SP	SHEET	4 OF 29
CHECKED BY	PP	DRAWING NUMBER	C4
APPROVED BY	--	PROJECT NUMBER	2020-124



PROFILE : PR, CL
SCALE : VERT. 1:50
HORIZ. 1:250



DO NOT SCALE FROM PRINT

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LEGEND

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- NEW SANITARY PIPE
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- EXISTING CATCH BASIN
- NEW MANHOLE
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- HYDRANT
- NEW HYDRANT
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- BELL ALIANT U/G CABLE
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- NEW GRASS/SOD
- WARNING SURFACE PLATES
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- EX. TREELINE/SHRUBS
- EXISTING ELEVATION
- NEW GRADE

STAMP



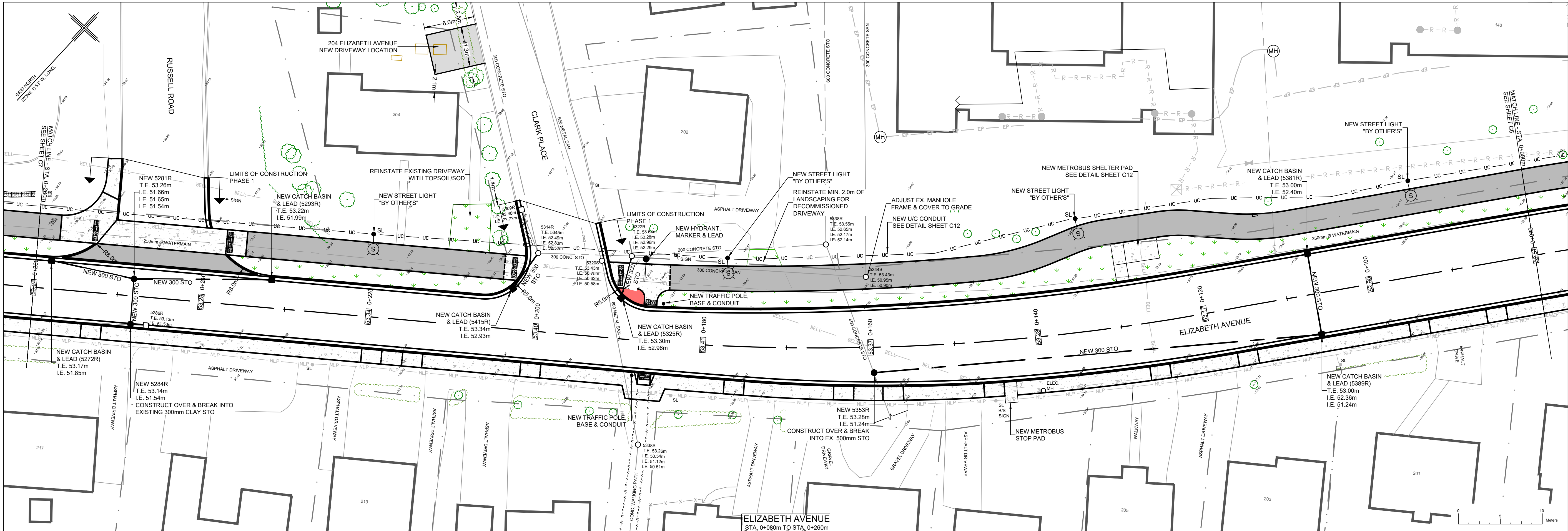
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DATE	REVISION	NO.

PROJECT: ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE I
TENDER No. 2023081

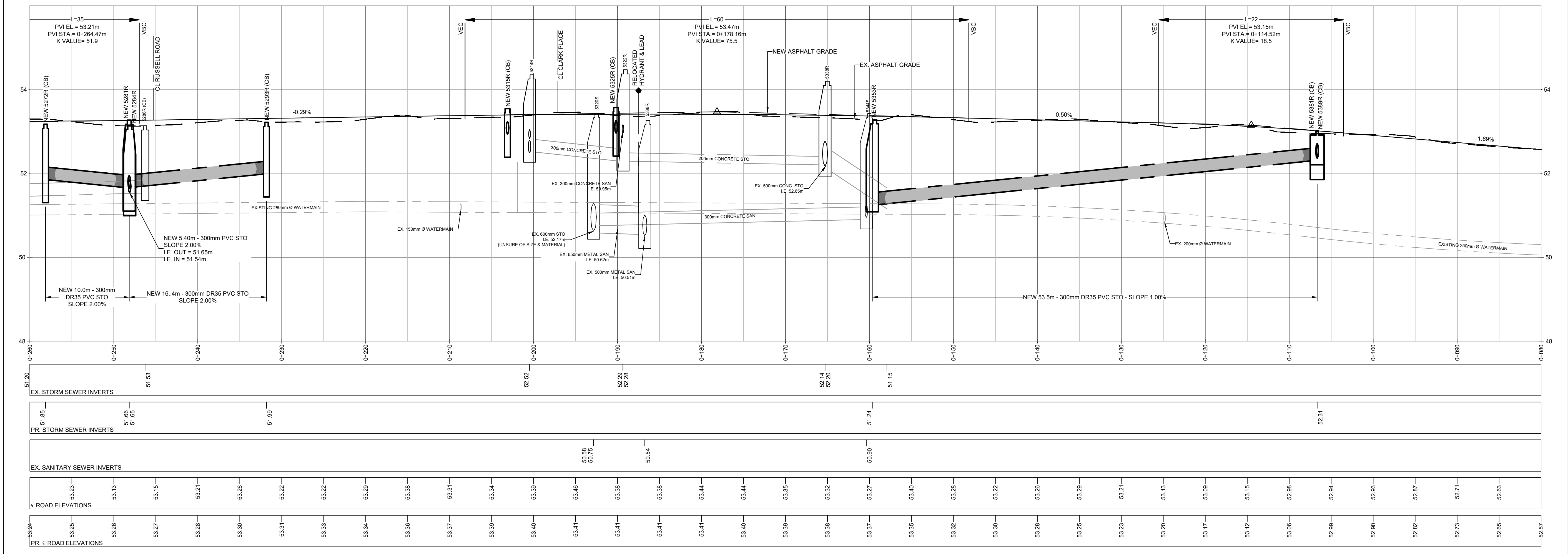
SHEET TITLE:
FINISHED CONDITIONS
PLAN & PROFILE - 01
(STA. 0+000m TO STA. 0+080m)

AUTHORITY:
ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

SCALE: 1:250	DATE: APRIL 2023
DRAWN BY: SP	SHEET: 5 OF 29
CHECKED BY: PP	DRAWING NUMBER: C5
APPROVED BY: --	PROJECT NUMBER: 2020-124



PROFILE : PR. CL
SCALE : VERT. 1:50
HORZ. 1:250



DO NOT SCALE FROM PRINT

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LEGEND

PROPERTY BOUNDARY

FENCE LINE

EXISTING SANITARY PIPE

EXISTING STORM PIPE

NEW SANITARY PIPE

NEW STORM PIPE

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VALVE

TRAFFIC U/G CABLE

BELL ALIANT U/G CABLE

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POLE LINE

TRAFFIC POLE

GUY WIRE

JUNCTION BOX

EXISTING SIGN

RETAINING WALL

SIDEWALK REMOVAL

ASPHALT REMOVAL

NEW SHARED USE PATH

NEW CONCRETE

NEW COLORED CONCRETE

NEW GRASS/SOD

WARNING SURFACE PLATES

EXISTING TREES

EX. TREELINE/SHRUBS

EXISTING ELEVATION

NEW GRADE

STAMP

REGISTERED PROFESSIONAL ENGINEER

P. T. PORTER

Signature

DATE

PROVINCE OF NEWFOUNDLAND

23/06/09

ISSUED FOR TENDER

0

DATE

REVISION

NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE I

TENDER No. 2023081

SHEET TITLE

FINISHED CONDITIONS
PLAN & PROFILE - 02
(STA. 0+080m TO STA. 0+260m)

AUTHORITY

ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

SCALE

1:250

DATE

APRIL 2023

DRAWN BY

SP

SHEET

6 OF 29

CHECKED BY

PP

DRAWING NUMBER

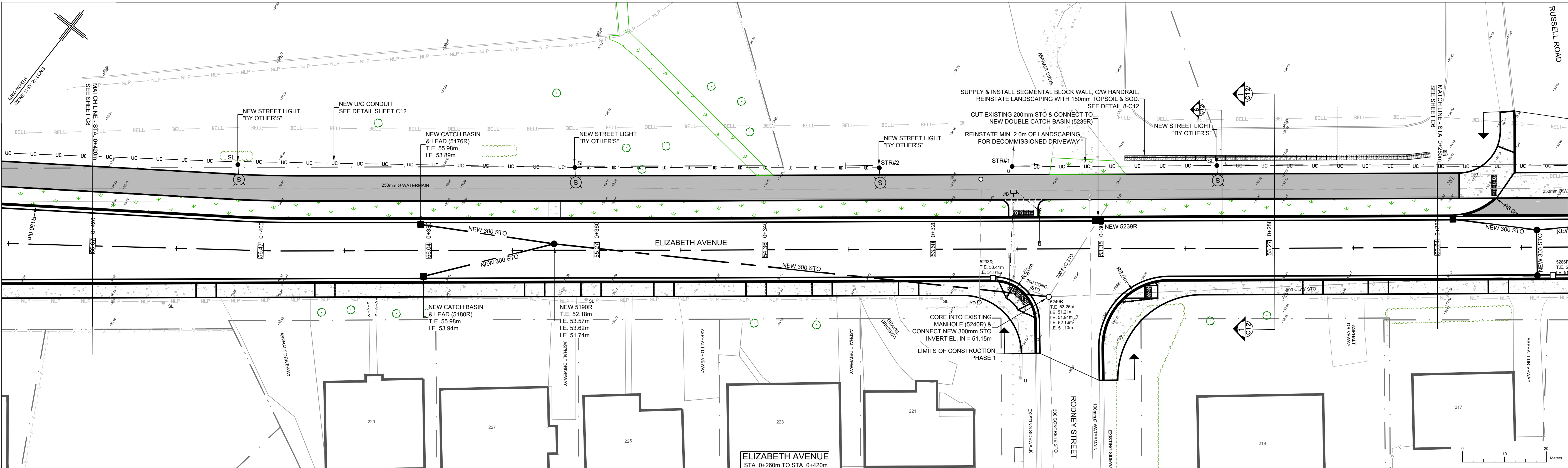
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APPROVED BY

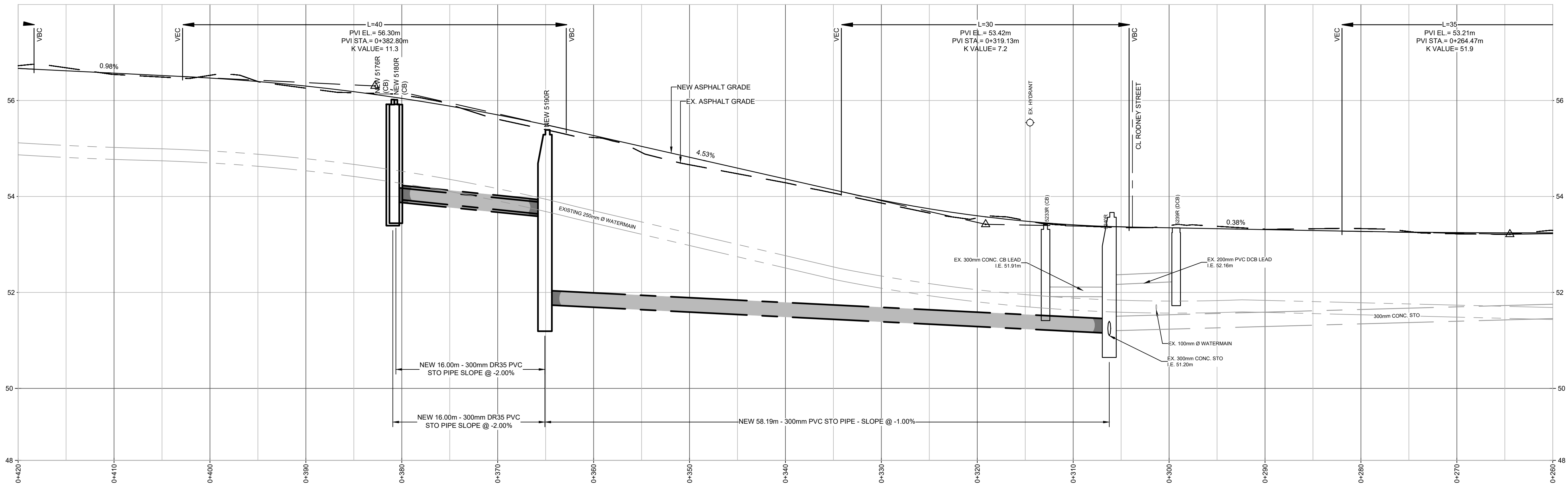
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PROJECT NUMBER

2020-124



PROFILE : PR. CL
SCALE : VERT. 1:50
HORIZ. 1:250



EX. STORM SEWER INVERTS

PR. STORM SEWER INVERTS

EX. SANITARY SEWER INVERTS

ROAD ELEVATIONS

PR. ROAD ELEVATIONS

DO NOT SCALE FROM PRINT

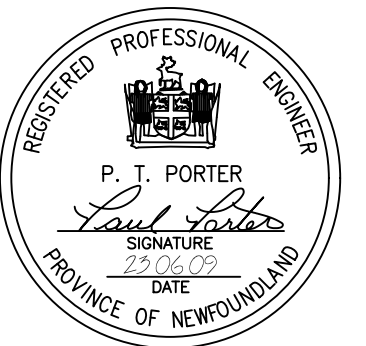
POLE CLASSIFICATION

- U - UTILITY POLE
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LEGEND

- PROPERTY BOUNDARY
- FENCE LINE
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- WARNING SURFACE PLATES
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STAMP



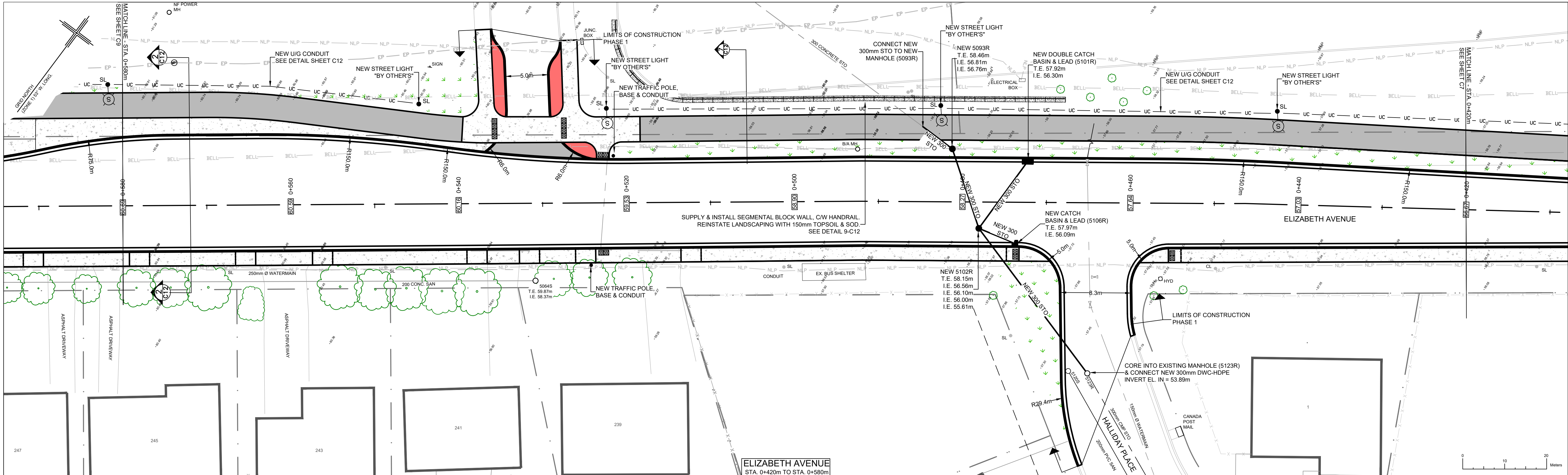
23/06/09	ISSUED FOR TENDER	0
DATE	REVISION	NO.

PROJECT: ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE I
TENDER No. 2023081

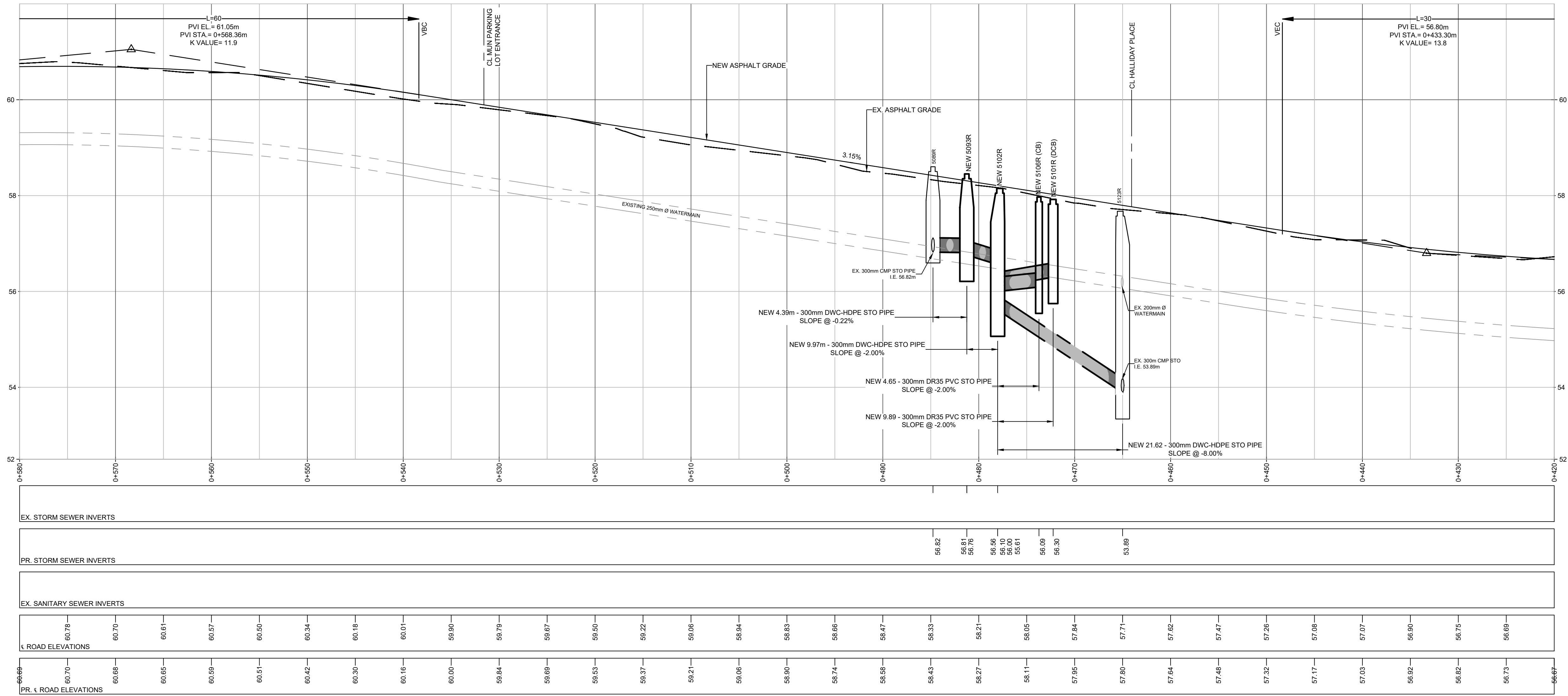
SHEET TITLE
FINISHED CONDITIONS
PLAN & PROFILE - 03
(STA. 0+260m TO STA. 0+420m)

AUTHORITY
ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

SCALE 1:250	DATE APRIL 2023
DRAWN BY SP	SHEET 7 OF 29
CHECKED BY PP	DRAWING NUMBER C7
APPROVED BY --	PROJECT NUMBER 2020-124



ELIZABETH AVENUE
STA. 0+420m TO STA. 0+580m
PROFILE : PR. CL
SCALE : VERT. 1:50
HORIZ. 1:250



DO NOT SCALE FROM PRINT

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LEGEND

- PROPERTY BOUNDARY
- FENCE LINE
- EXISTING SANITARY PIPE
- EXISTING STORM PIPE
- NEW SANITARY PIPE
- NEW STORM PIPE
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING DCB
- NEW MANHOLE
- NEW CATCH BASIN
- NEW DCB
- WATERMAIN
- HYDRANT
- NEW HYDRANT
- VALVE
- TRAFFIC U/G CABLE
- BELL ALIANT U/G CABLE
- NL POWER U/G CABLE
- ROGERS U/G CABLE
- U/G ELECTRICAL
- F.I.P.
- POLE LINE
- TRAFFIC POLE
- GUY WIRE
- JUNCTION BOX
- EXISTING SIGN
- RETAINING WALL
- SIDEWALK REMOVAL
- ASPHALT REMOVAL
- NEW SHARED USE PATH
- NEW CONCRETE
- NEW COLORED CONCRETE
- NEW GRASS/SOD
- WARNING SURFACE PLATES
- EXISTING TREES
- EX. TREELINE/SHRUBS
- EXISTING ELEVATION
- NEW GRADE

STAMP



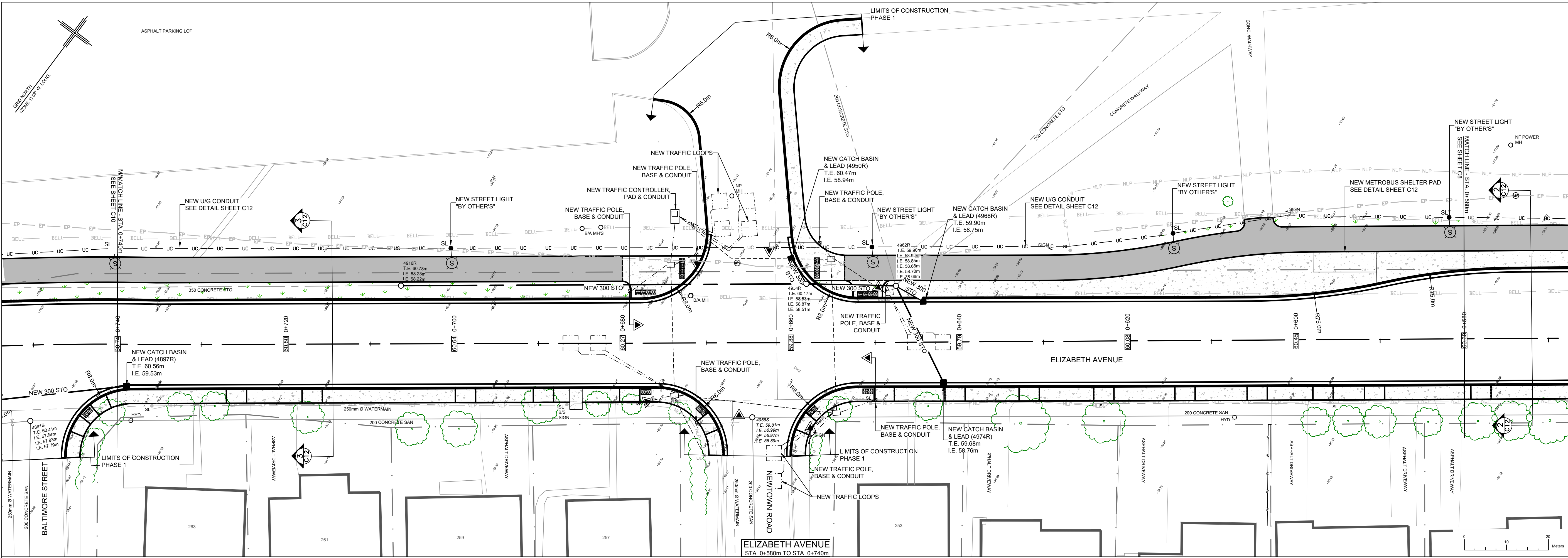
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DATE	REVISION	NO.

PROJECT ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE I
TENDER No. 2023081

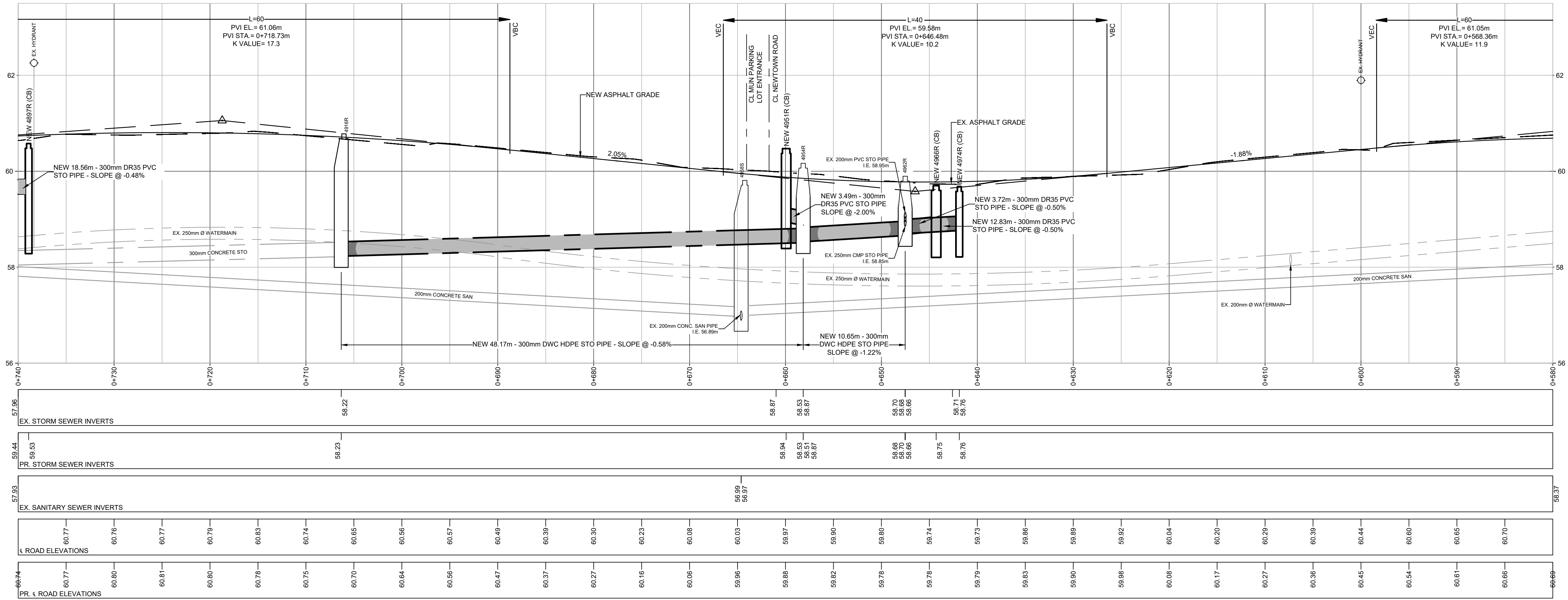
SHEET TITLE
FINISHED CONDITIONS
PLAN & PROFILE - 04
(STA. 0+420m TO STA. 0+580m)

AUTHORITY
ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

SCALE 1:250	DATE APRIL 2023
DRAWN BY SP	SHEET 8 OF 29
CHECKED BY PP	DRAWING NUMBER C8
APPROVED BY --	PROJECT NUMBER 2020-124



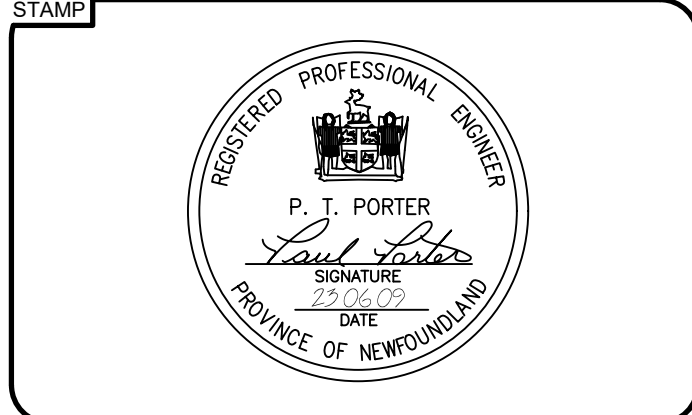
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HORZ. 1:250



DO NOT SCALE FROM PRINT

- POLE CLASSIFICATION**
- U - UTILITY POLE
 - UL - UTILITY POLE WITH LIGHT
 - SL - STEEL POLE WITH LIGHT
 - CL - CONCRETE POLE WITH LIGHT
 - TS - TRAFFIC STEEL POLE
 - TA - TRAFFIC ALUMINUM POLE

- LEGEND**
- PROPERTY BOUNDARY
 - FENCE LINE
 - EXISTING SANITARY PIPE
 - EXISTING STORM PIPE
 - NEW SANITARY PIPE
 - NEW STORM PIPE
 - EXISTING MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING DCB
 - NEW MANHOLE
 - NEW CATCH BASIN
 - NEW DCB
 - WATERMAIN
 - HYDRANT
 - NEW HYDRANT
 - VALVE
 - TRAFFIC U/G CABLE
 - BELL ALIANT U/G CABLE
 - NL POWER U/G CABLE
 - ROGERS U/G CABLE
 - U/G ELECTRICAL
 - F.I.P.
 - POLE LINE
 - TRAFFIC POLE
 - GUY WIRE
 - JUNCTION BOX
 - EXISTING SIGN
 - RETAINING WALL
 - SIDEWALK REMOVAL
 - ASPHALT REMOVAL
 - NEW SHARED USE PATH
 - NEW CONCRETE
 - NEW COLORED CONCRETE
 - NEW GRASS/SOD
 - WARNING SURFACE PLATES
 - EXISTING TREES
 - EX. TREELINE/SHRUBS
 - EXISTING ELEVATION
 - NEW GRADE



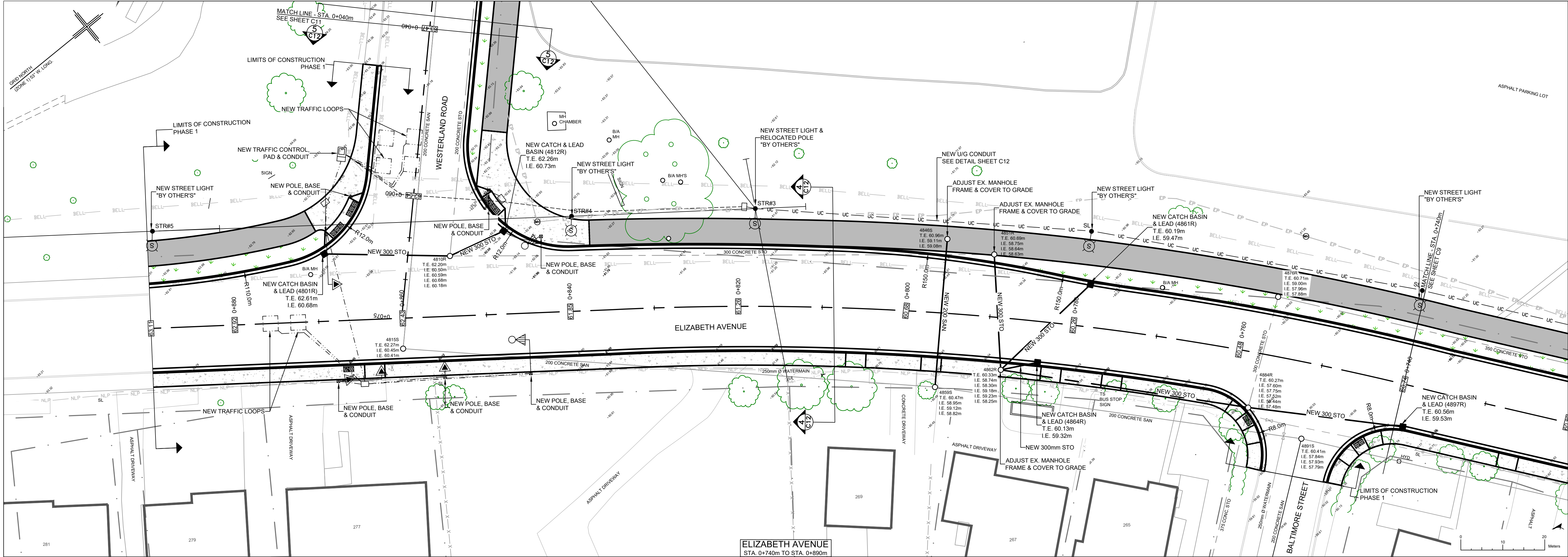
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PROJECT
ELIZABETH AVENUE
RECONSTRUCTION AND
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PHASE I
TENDER No. 2023081

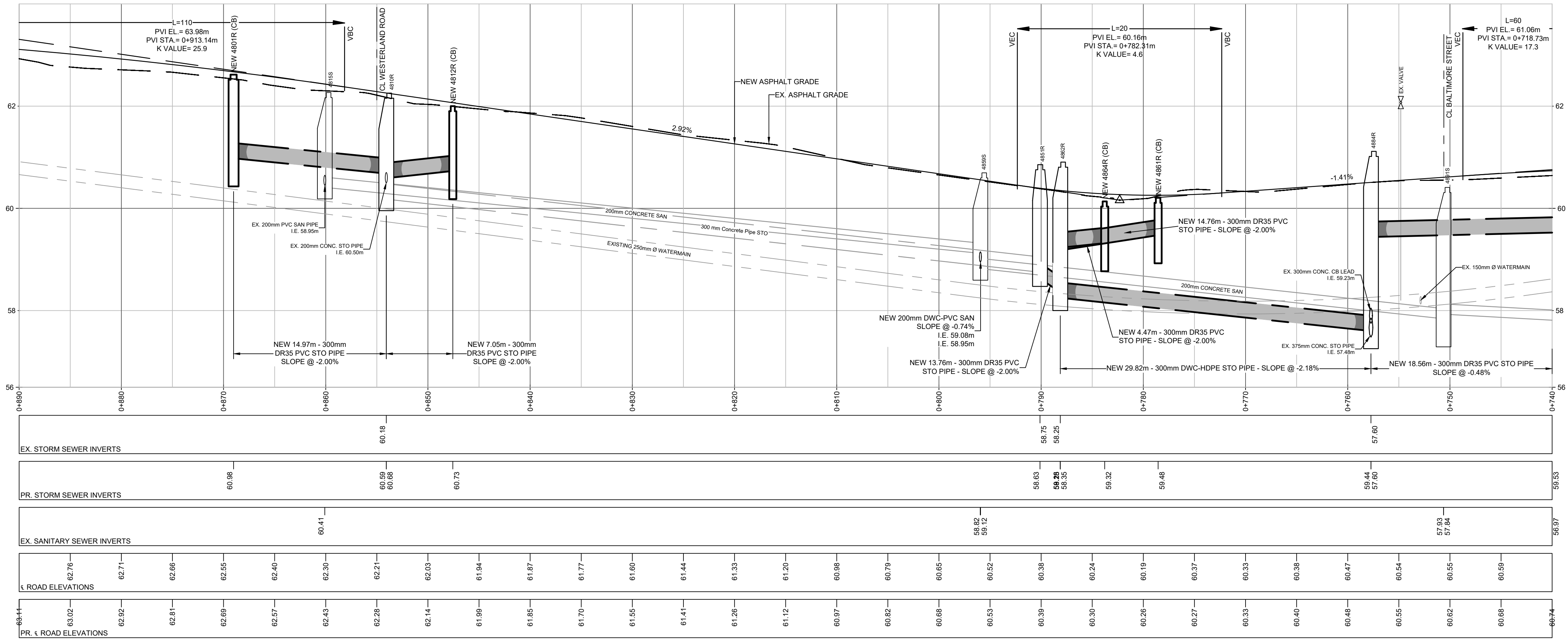
SHEET TITLE
FINISHED CONDITIONS
PLAN & PROFILE - 05
(STA. 0+580m TO STA. 0+740m)

AUTHORITY
ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

SCALE	DATE
1:250	APRIL 2023
DRAWN BY	SHEET
SP	9 OF 29
CHECKED BY	DRAWING NUMBER
PP	C9
APPROVED BY	PROJECT NUMBER
- -	2020-124



ELIZABETH AVENUE
STA. 0+740m TO STA. 0+890m
PROFILE : PR, CL
SCALE : VERT. 1:50
HORZ. 1:250



DO NOT SCALE FROM PRINT

POLE CLASSIFICATION

- U - UTILITY POLE
- UL - UTILITY POLE WITH LIGHT
- SL - STEEL POLE WITH LIGHT
- CL - CONCRETE POLE WITH LIGHT
- TS - TRAFFIC STEEL POLE
- TA - TRAFFIC ALUMINUM POLE

LEGEND

- PROPERTY BOUNDARY
- FENCE LINE
- EXISTING SANITARY PIPE
- EXISTING STORM PIPE
- NEW SANITARY PIPE
- NEW STORM PIPE
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING DCB
- NEW MANHOLE
- NEW CATCH BASIN
- NEW DCB
- WATERMAIN
- HYDRANT
- NEW HYDRANT
- VALVE
- TRAFFIC U/G CABLE
- BELL ALIANT U/G CABLE
- NL POWER U/G CABLE
- ROGERS U/G CABLE
- U/G ELECTRICAL
- F.I.P.
- POLE LINE
- TRAFFIC POLE
- GUY WIRE
- JUNCTION BOX
- EXISTING SIGN
- RETAINING WALL
- SIDEWALK REMOVAL
- ASPHALT REMOVAL
- NEW SHARED USE PATH
- NEW CONCRETE
- NEW COLORED CONCRETE
- NEW GRASS/SOD
- WARNING SURFACE PLATES
- EXISTING TREES
- EX. TREELINE/SHRUBS
- EXISTING ELEVATION
- NEW GRADE

STAMP



23/06/09	ISSUED FOR TENDER	0
DATE	REVISION	NO.

PROJECT ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE I
TENDER No. 2023081

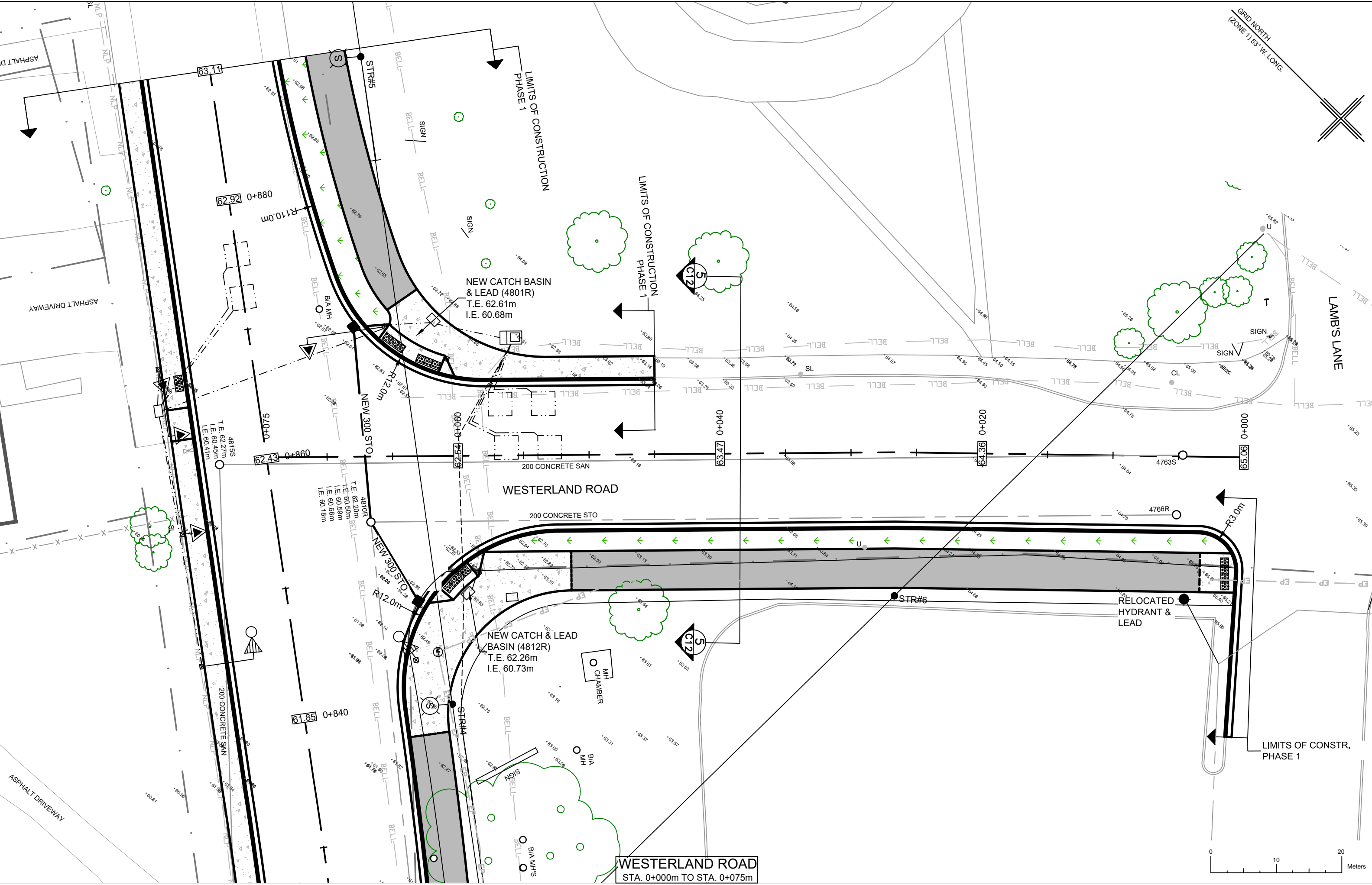
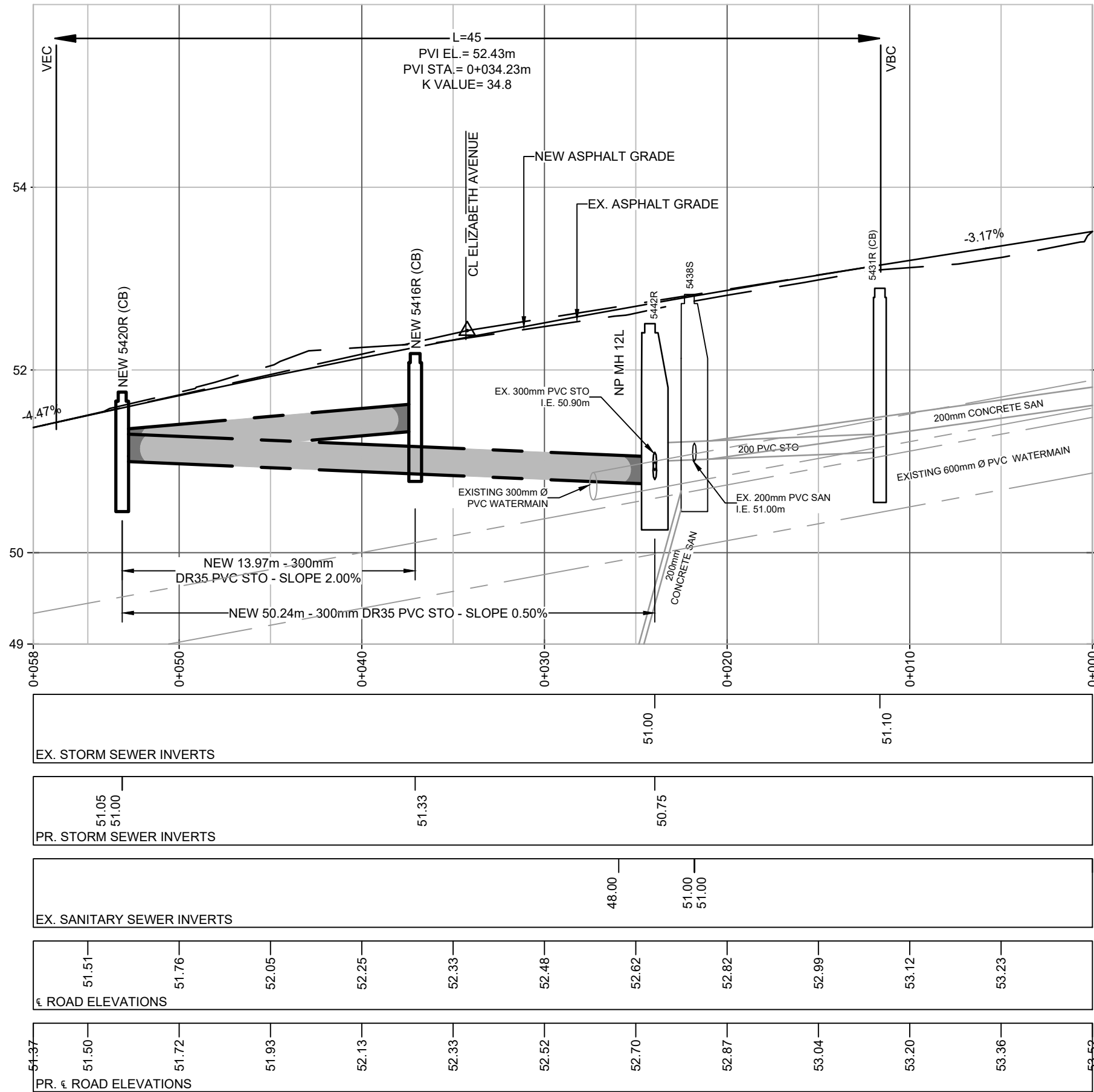
SHEET TITLE
FINISHED CONDITIONS
PLAN & PROFILE - 05
(STA. 0+740m TO STA. 0+890m)

AUTHORITY
ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

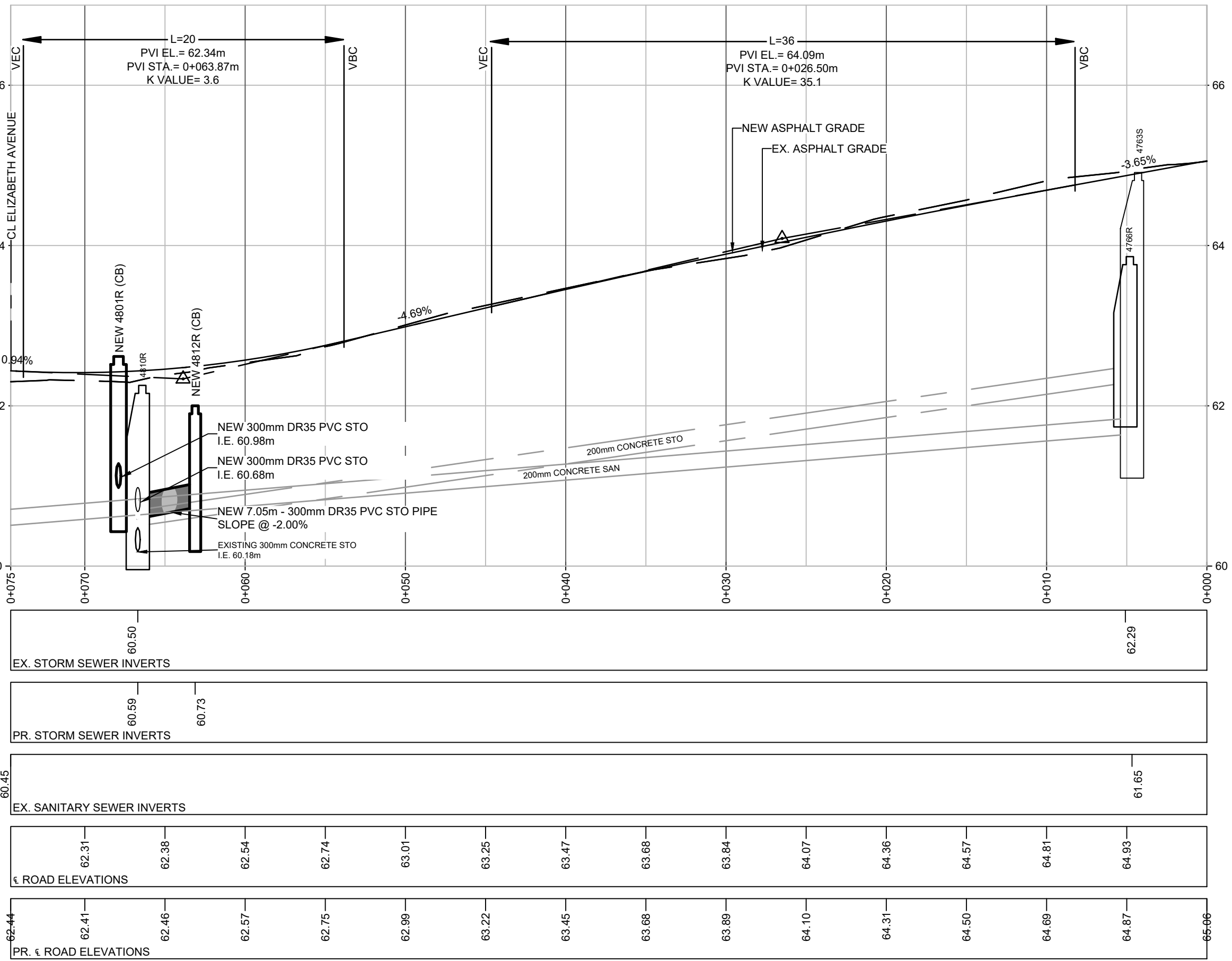
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DRAWN BY	SHEET
SP	10 OF 29
CHECKED BY	DRAWING NUMBER
PP	C10
APPROVED BY	PROJECT NUMBER
- -	2020-124



PROFILE : PR. CL ALLANDE RD
SCALE : VERT. 1:50
HORZ. 1:250



PROFILE : PR. CL WESTERLAND ROAD
SCALE : VERT. 1:50
HORZ. 1:250



DO NOT SCALE FROM PRINT

POLE CLASSIFICATION

- U - UTILITY POLE
- UL - UTILITY POLE WITH LIGHT
- SL - STEEL POLE WITH LIGHT
- CL - CONCRETE POLE WITH LIGHT
- TS - TRAFFIC STEEL POLE
- TA - TRAFFIC ALUMINUM POLE

LEGEND

- PROPERTY BOUNDARY
- FENCE LINE
- EXISTING SANITARY PIPE
- EXISTING STORM PIPE
- NEW SANITARY PIPE
- NEW STORM PIPE
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING DCB
- NEW MANHOLE
- NEW CATCH BASIN
- NEW DCB
- WATERMAIN
- HYDRANT
- NEW HYDRANT
- VALVE
- TRAFFIC U/G CABLE
- BELL ALIANT U/G CABLE
- NL POWER U/G CABLE
- ROGERS U/G CABLE
- U/G ELECTRICAL
- F.I.P.
- POLE LINE
- TRAFFIC POLE
- GUY WIRE
- JUNCTION BOX
- EXISTING SIGN
- RETAINING WALL
- SIDWALK REMOVAL
- ASPHALT REMOVAL
- NEW SHARED USE PATH
- NEW CONCRETE
- NEW COLORED CONCRETE
- NEW GRASS/SOD
- WARNING SURFACE PLATES
- EXISTING TREES
- EX. TREELINE/SHRUBS
- EXISTING ELEVATION
- NEW GRADE

STAMP



23/06/09	ISSUED FOR TENDER	0
DATE	REVISION	NO.

PROJECT ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE I
TENDER No. 2023081

SHEET TITLE
FINISHED CONDITIONS
PLAN & PROFILES - 07
(ALLANDE RD & WESTERLAND RD)

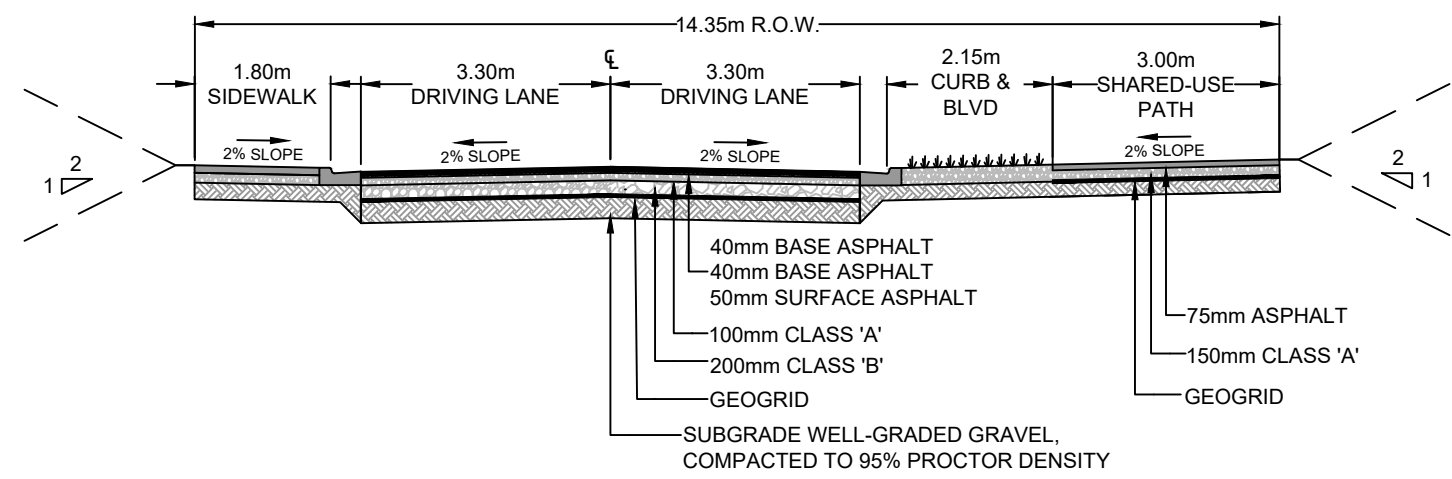
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ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
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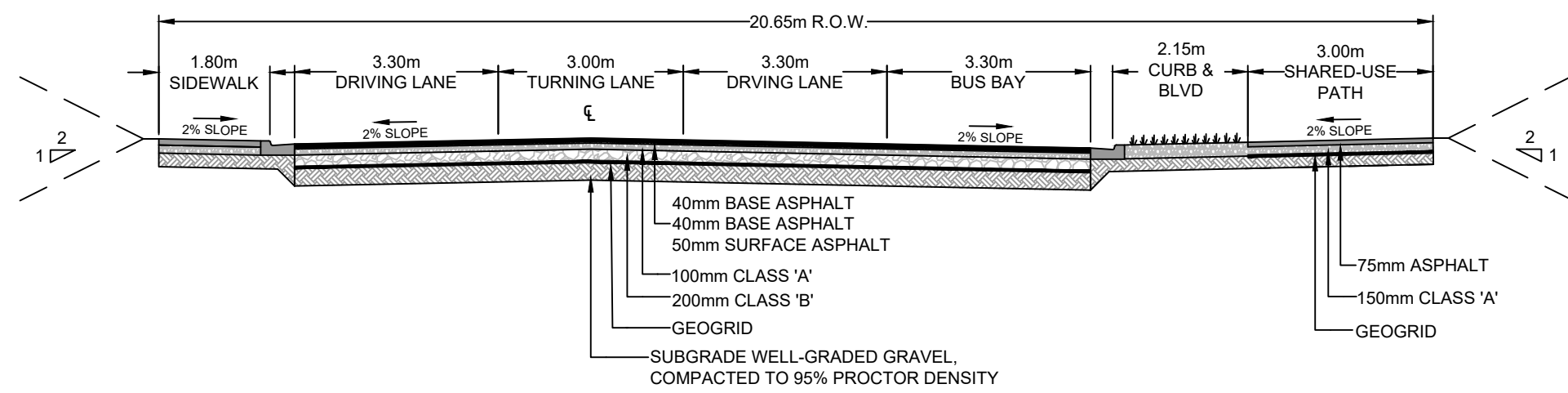
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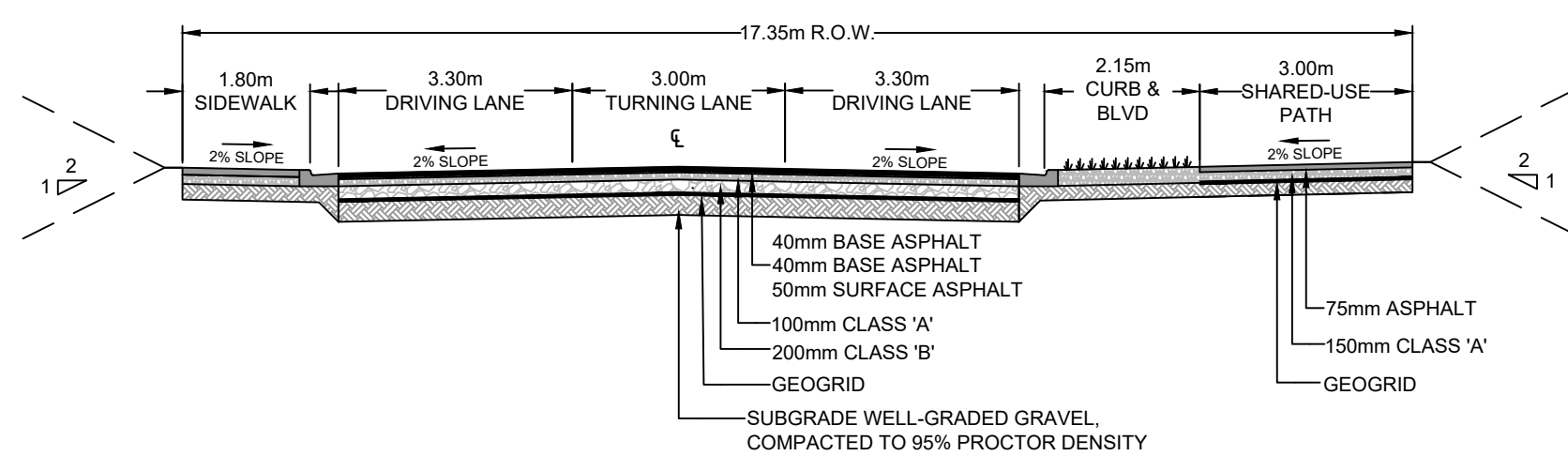
APPROVED BY - - PROJECT NUMBER 2020-124



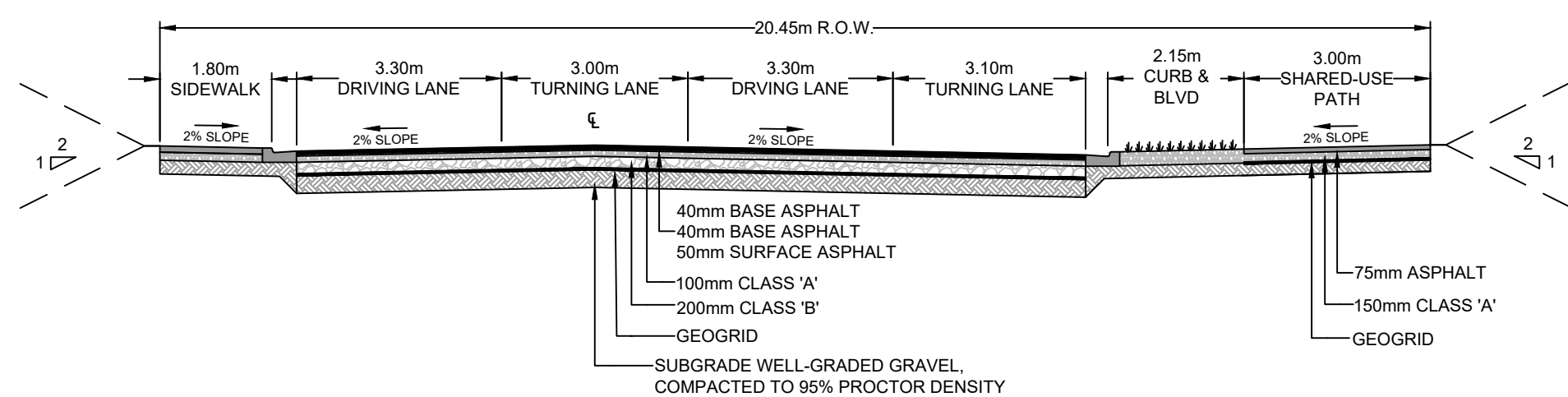
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SCALE = 1:100



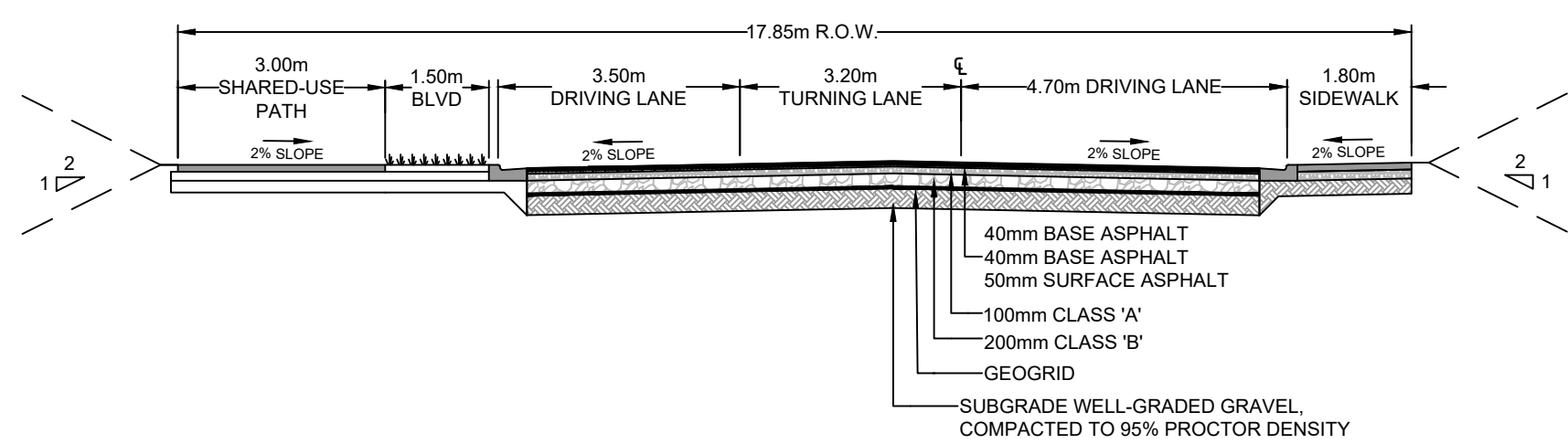
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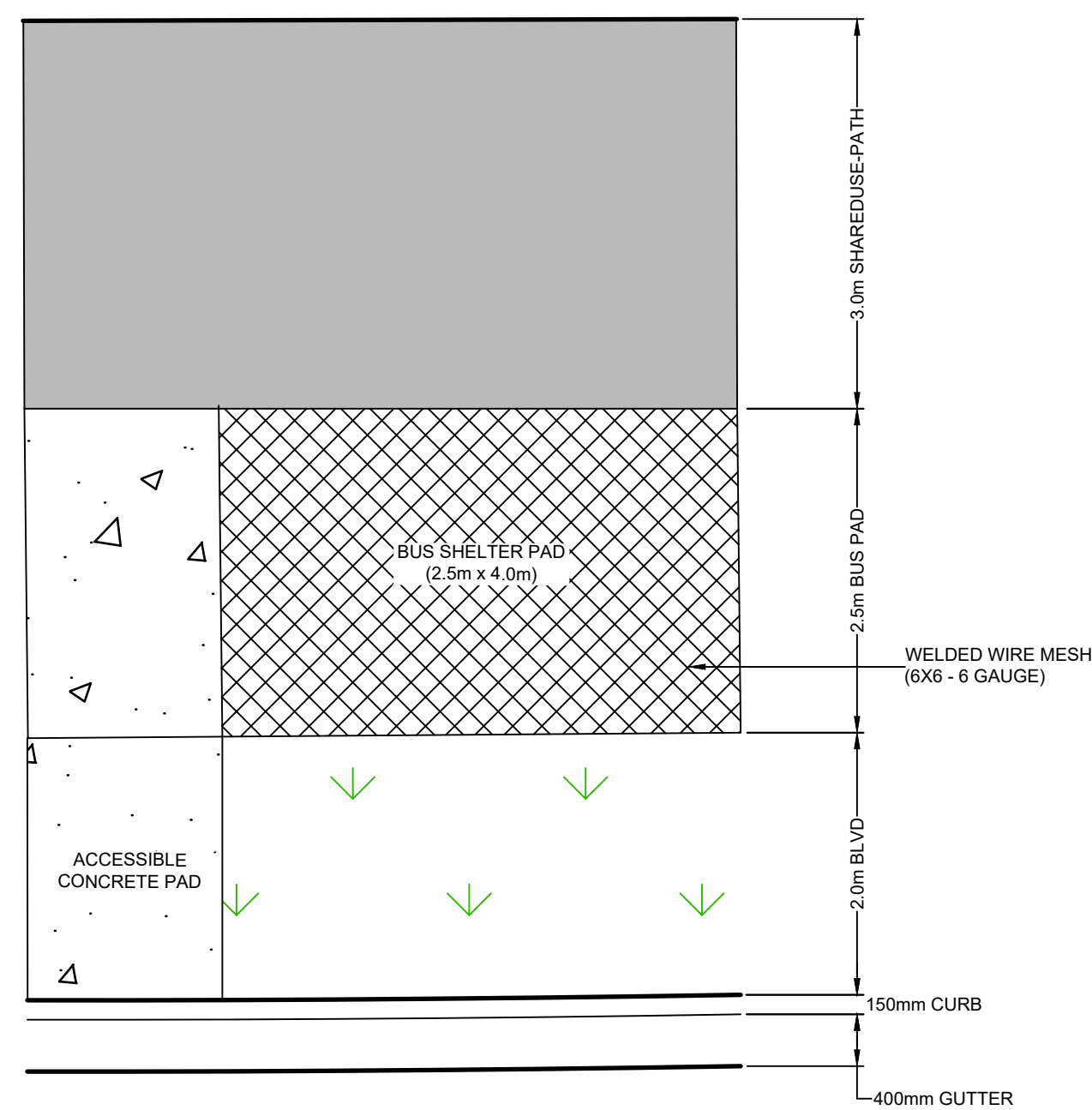
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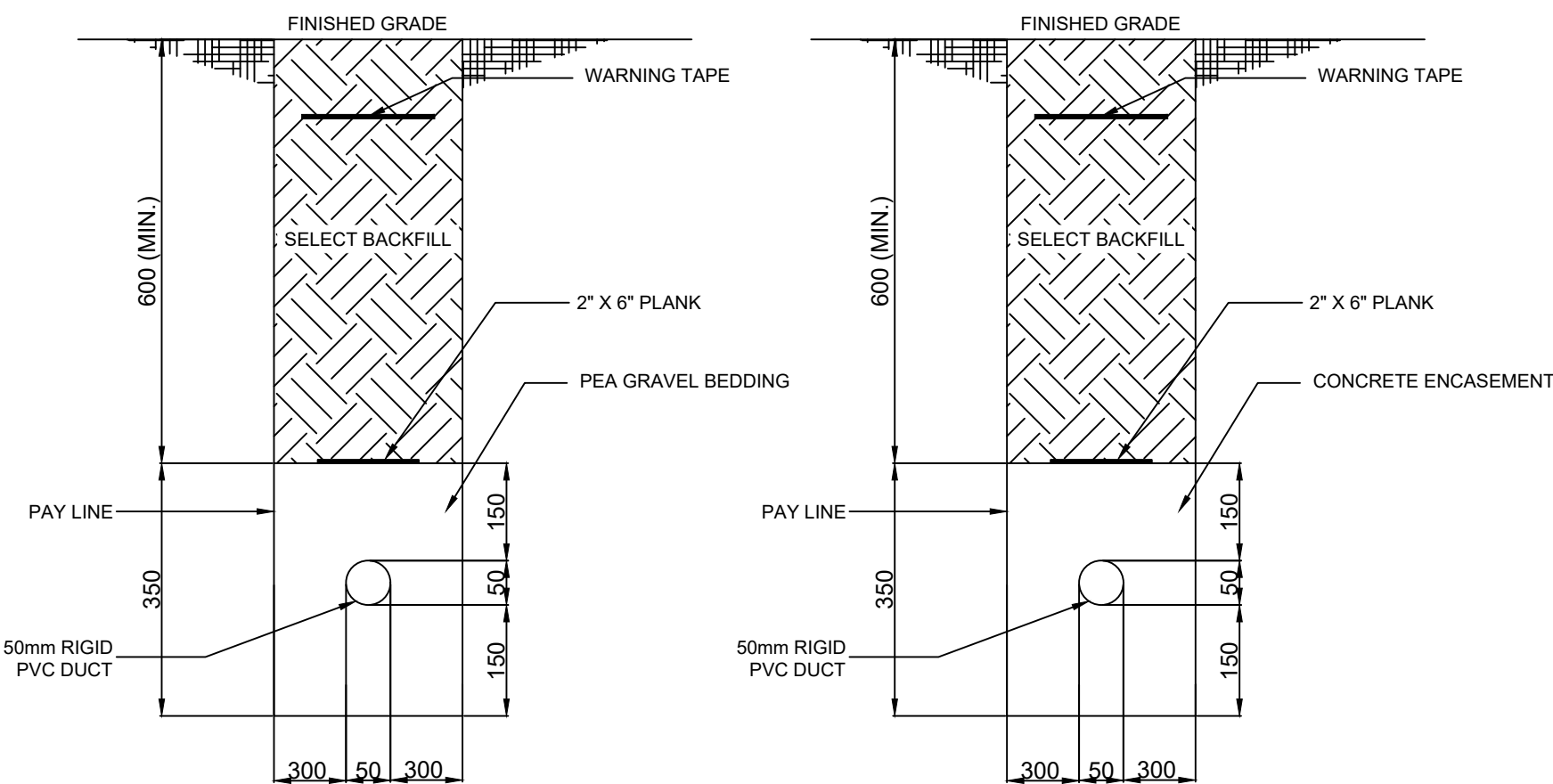
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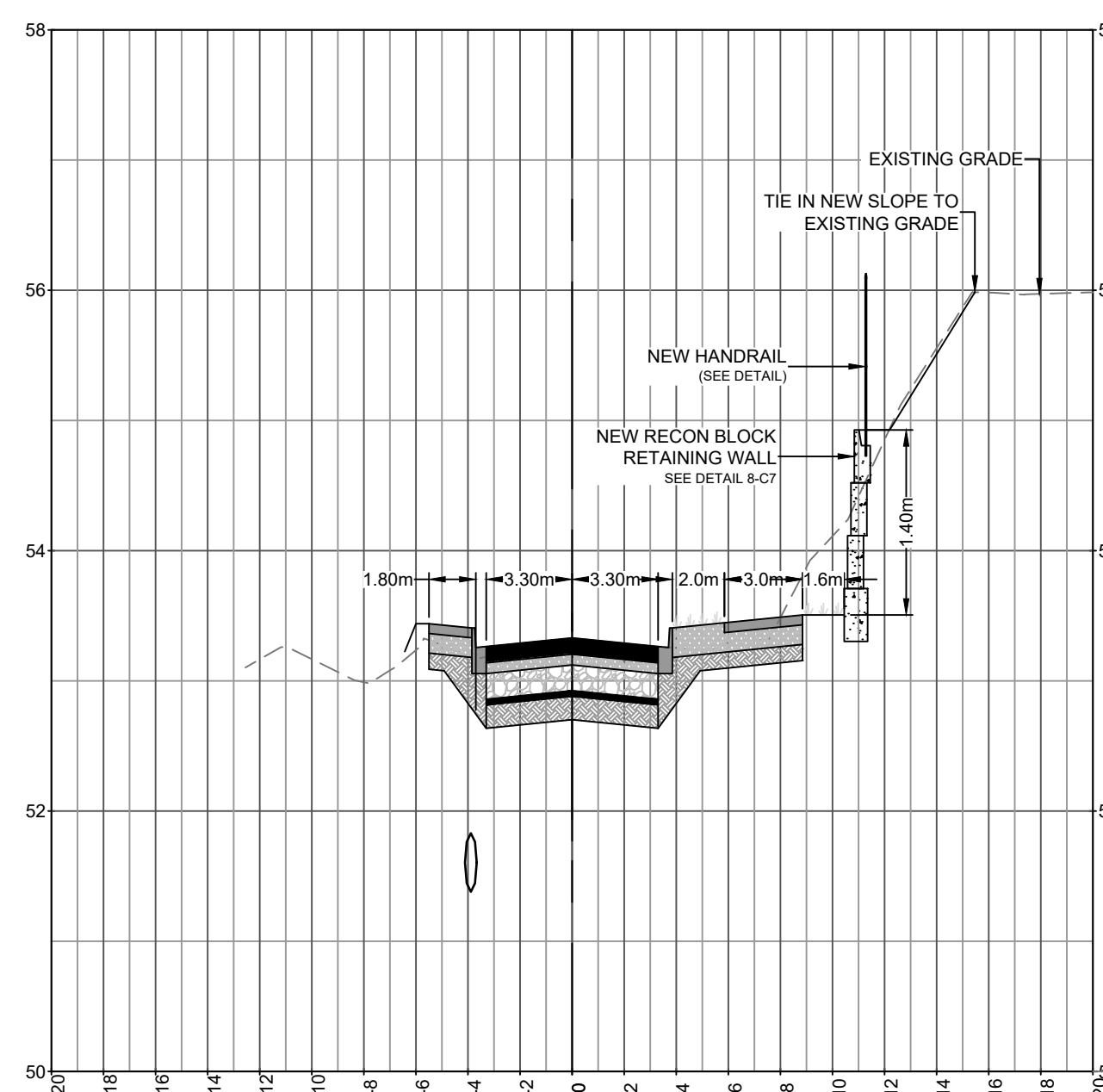
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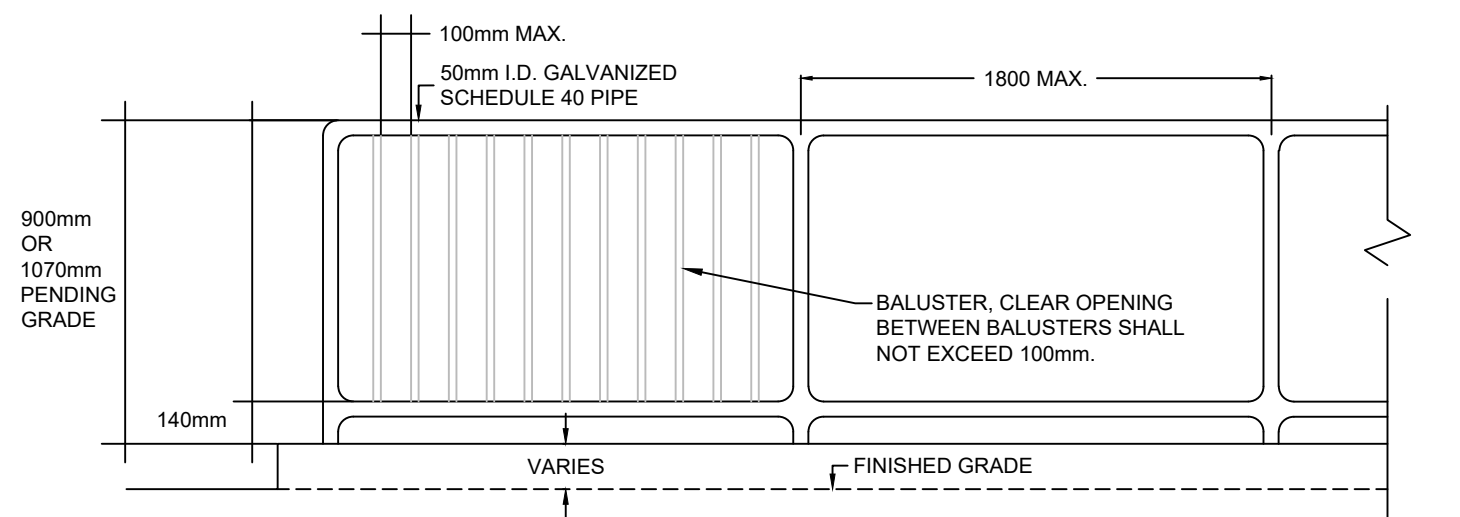
BUS SHELTER & ACCESSIBLE CONCRETE PAD



STREET LIGHT CIRCUIT GRAVEL TRENCH DETAIL
STREET LIGHT CIRCUIT CONC. ENCASEMENT TRENCH DETAIL

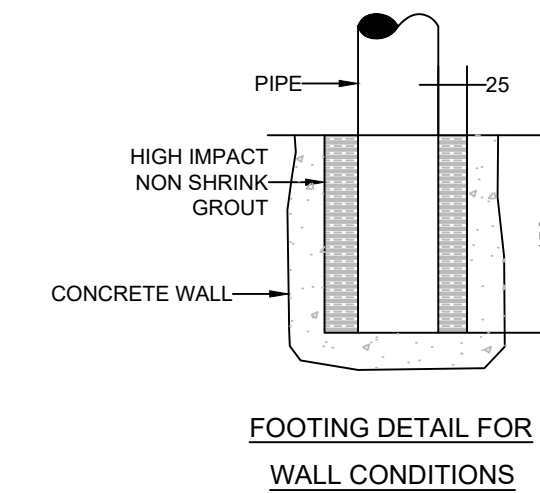


SECTION DETAIL (C12)
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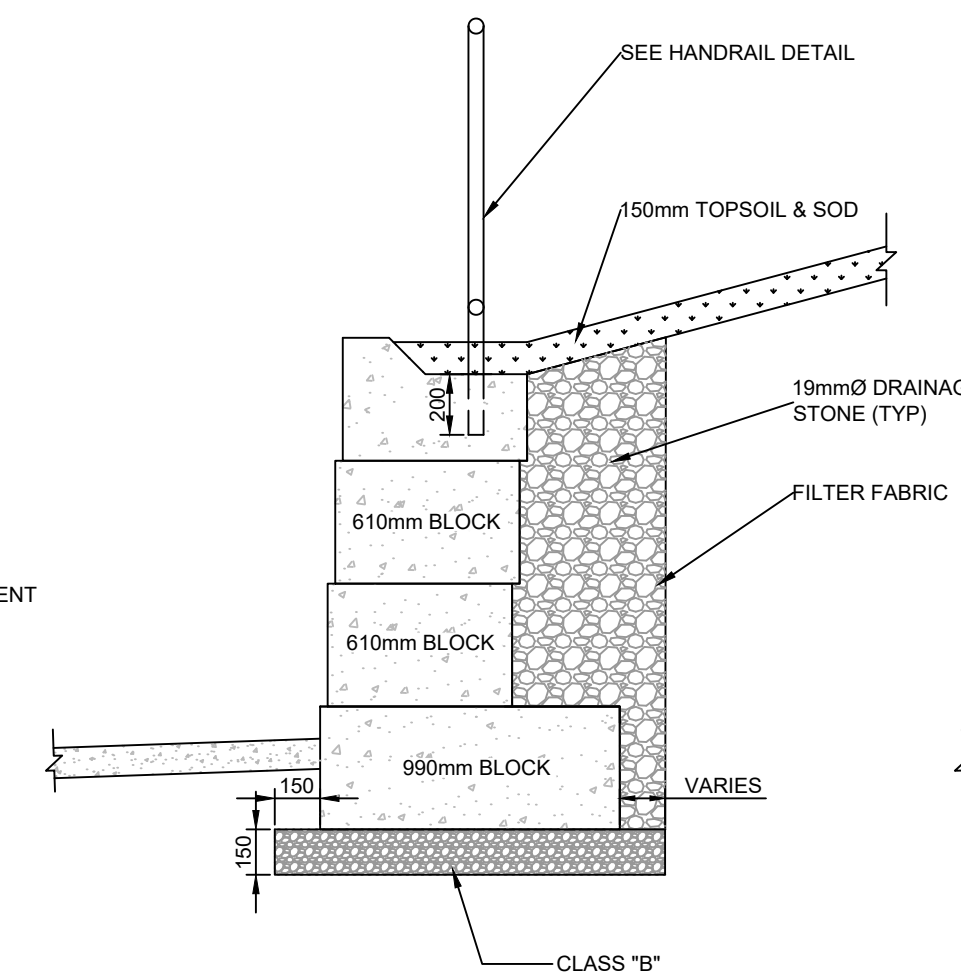


NOTE:
HEIGHT OF GUARD SHALL NOT EXCEED 900mm IN HEIGHT WHERE THE WALKING SURFACE SERVED BY THE GUARD IS NOT MORE THAN 1800mm ABOVE THE FINISHED GROUND LEVEL.
HEIGHT OF GUARD SHALL BE NOT LESS THAN 1070mm IN HEIGHT WHERE THE WALKING SURFACE SERVED BY THE GUARD IS MORE THAN 1800mm ABOVE THE FINISHED GROUND LEVEL.

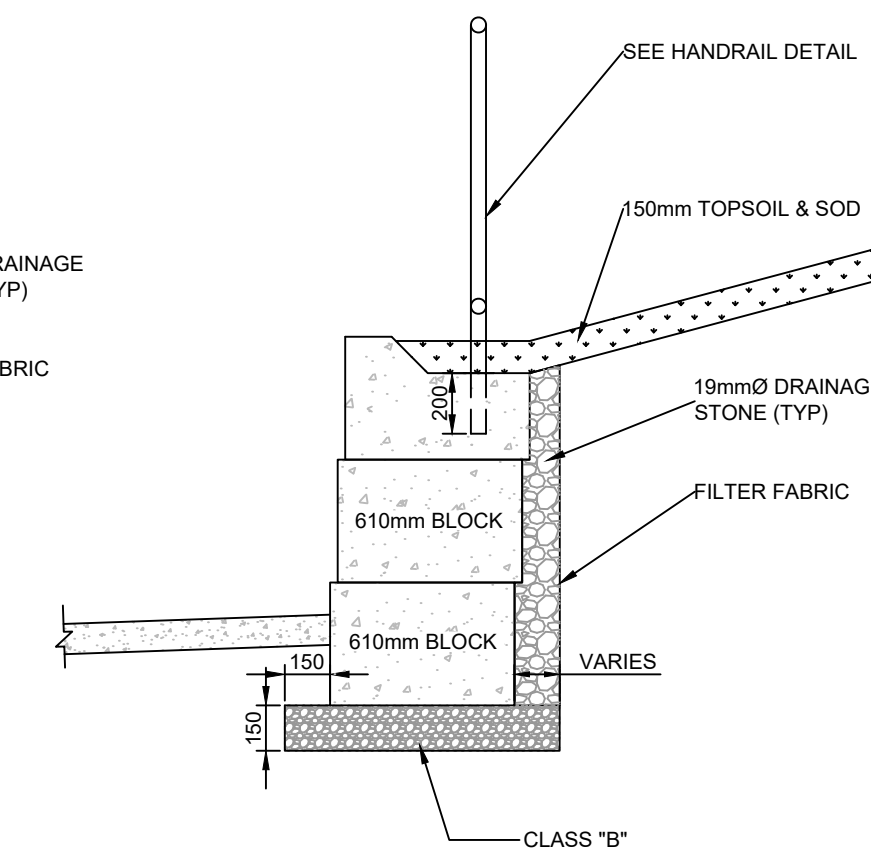
HANDRAIL DETAIL
SCALE = 1:25



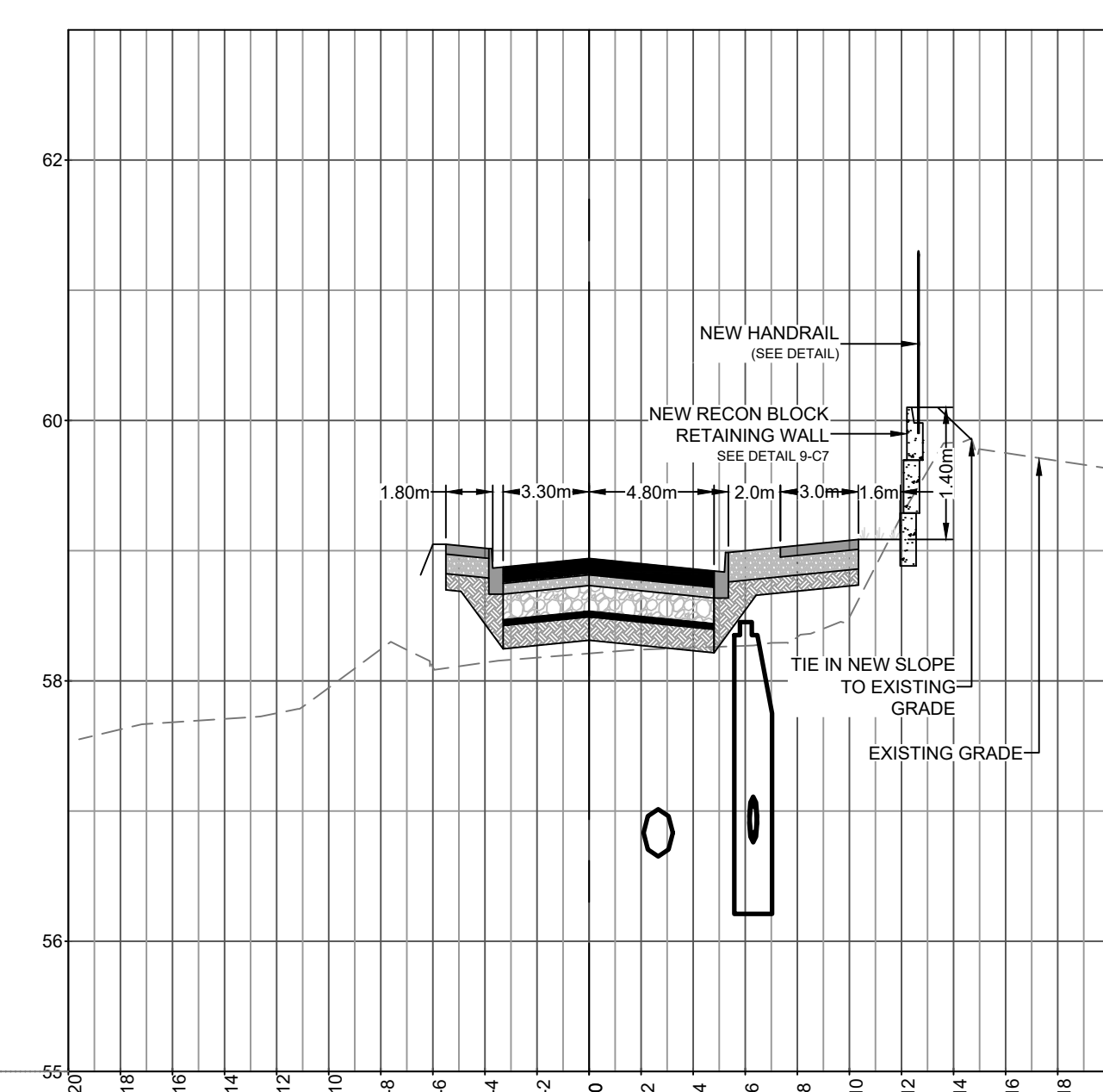
FOOTING DETAIL FOR WALL CONDITIONS



RETAINING WALL SECTION DETAIL (C12)
SCALE = 1:25



RETAINING WALL SECTION DETAIL (C12)
SCALE = 1:25



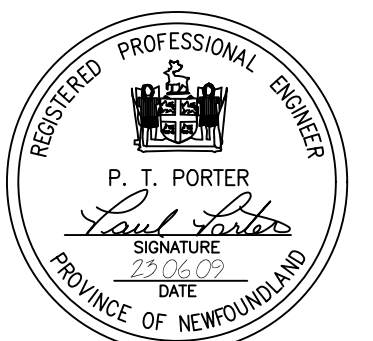
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DO NOT SCALE FROM PRINT

NOTES

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ST. JOHN'S SPECIFICATIONS BOOK.

STAMP



23/06/09	ISSUED FOR TENDER	0
DATE	REVISION	NO.

PROJECT	ELIZABETH AVENUE RECONSTRUCTION AND SHARED-USE-PATH PHASE I
TENDER No.	2023081

SHEET TITLE	SECTIONS & DETAILS
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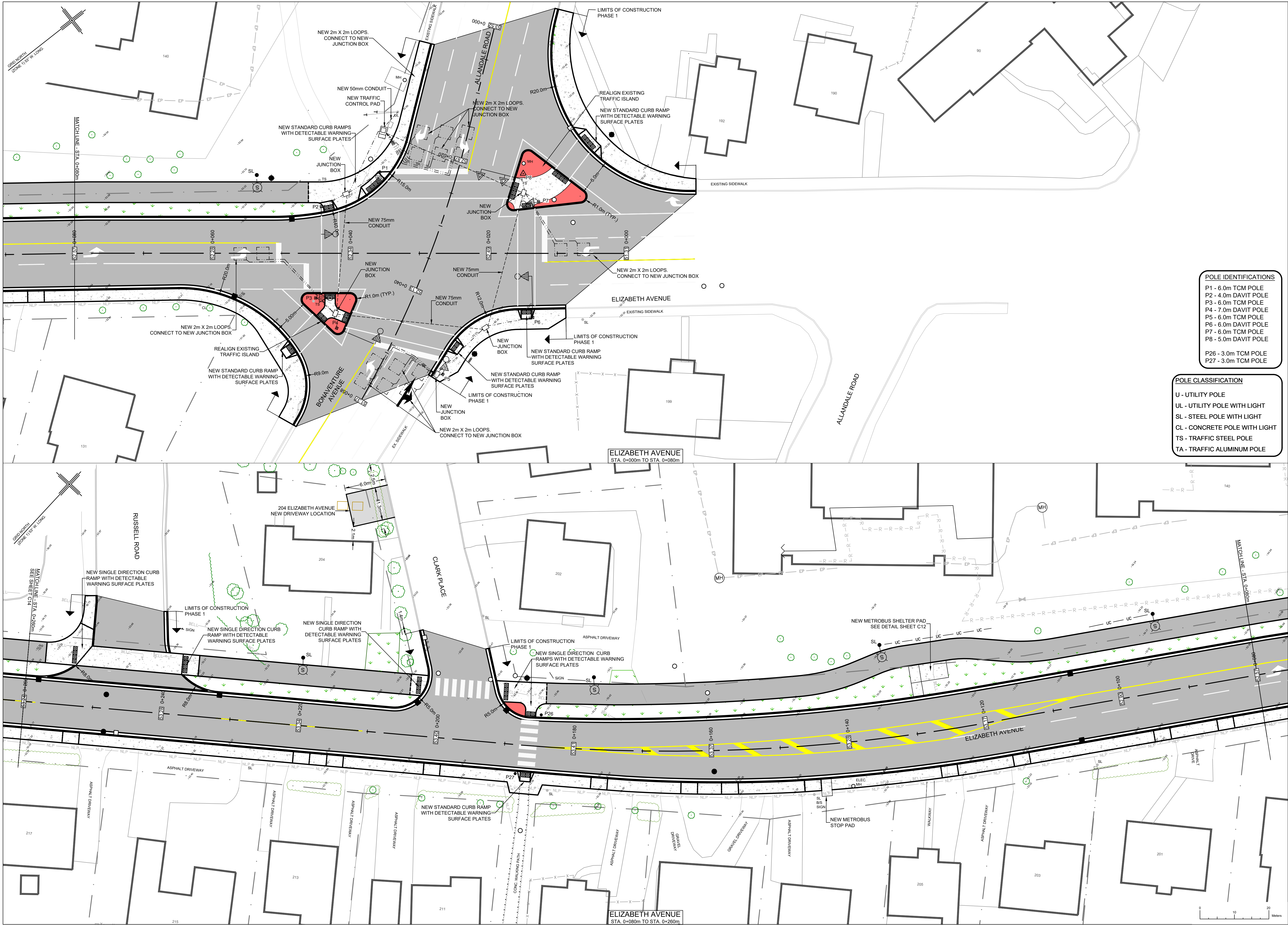
AUTHORITY	ST. JOHN'S DEPARTMENT OF PLANNING, ENGINEERING AND REGULATORY SERVICES
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SCALE	AS NOTED	DATE	APRIL 2023
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DRAWN BY	SP	SHEET	12 OF 29
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CHECKED BY	PP	DRAWING NUMBER	C12
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APPROVED BY	- -	PROJECT NUMBER	2020-124
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DO NOT SCALE FROM PRINT

TRAFFIC CONTROL LEGEND

HIGHWAY SIGNAL HEAD (ALL 30x30cm LENSES).

SPECIAL HEAD (TYPE 9 WITH ARROW INDICATION). (30 x 30cm LENSES).

PEDESTRIAN SIGNAL HEAD.

TRAFFIC CONTROLLER PAD

POLE BASE

JUNCTION BOX

75mm UNDERGROUND TRAFFIC CONDUIT

LOOP UNDERGROUND TRAFFIC CONDUIT

INDUCTIVE PRE-FORMED TRAFFIC LOOP

LEGEND

PROPERTY BOUNDARY

FENCE LINE

EXISTING SANITARY PIPE

EXISTING STORM PIPE

NEW SANITARY PIPE

NEW STORM PIPE

EXISTING MANHOLE

EXISTING CATCH BASIN

EXISTING DCB

NEW MANHOLE

NEW CATCH BASIN

NEW DCB

WATERMAIN

HYDRANT

NEW HYDRANT

VALVE

TRAFFIC U/G CABLE

BELL ALIANT U/G CABLE

NL POWER U/G CABLE

ROGERS U/G CABLE

U/G ELECTRICAL

F.I.P.

POLE LINE

TRAFFIC POLE

GUY WIRE

JUNCTION BOX

EXISTING SIGN

RETAINING WALL

SIDEWALK REMOVAL

ASPHALT REMOVAL

NEW SHARED USE PATH

NEW CONCRETE

NEW COLORED CONCRETE

NEW GRASS/SOD

WARNING SURFACE PLATES

EXISTING TREES

EX. TREELINE/SHRUBS

EXISTING ELEVATION

NEW GRADE

POLE IDENTIFICATIONS

P1 - 6.0m TCM POLE

P2 - 4.0m DAVIT POLE

P3 - 6.0m TCM POLE

P4 - 7.0m DAVIT POLE

P5 - 6.0m TCM POLE

P6 - 6.0m DAVIT POLE

P7 - 6.0m TCM POLE

P8 - 5.0m DAVIT POLE

P26 - 3.0m TCM POLE

P27 - 3.0m TCM POLE

POLE CLASSIFICATION

U - UTILITY POLE

UL - UTILITY POLE WITH LIGHT

SL - STEEL POLE WITH LIGHT

CL - CONCRETE POLE WITH LIGHT

TS - TRAFFIC STEEL POLE

TA - TRAFFIC ALUMINUM POLE

STAMP

23/06/09 ISSUED FOR TENDER 0

DATE REVISION NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE I

TENDER No. 2023081

SHEET TITLE

PAVEMENT MARKINGS
& SIGNAGE PLAN - 01

AUTHORITY

ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

SCALE

1:250

DATE

APRIL 2023

DRAWN BY

SP

SHEET

13 OF 29

CHECKED BY

PP

DRAWING NUMBER

C13

APPROVED BY

-

PROJECT NUMBER

2020-124



DO NOT SCALE FROM PRINT

TRAFFIC CONTROL LEGEND

HIGHWAY SIGNAL HEAD (ALL 30x30cm LENSES).

SPECIAL HEAD (TYPE 9 WITH ARROW INDICATION), (30 x 30cm LENSES).

PEDESTRIAN SIGNAL HEAD.

TRAFFIC CONTROLLER PAD

POLE BASE

JUNCTION BOX

75mm UNDERGROUND TRAFFIC CONDUIT

LOOP UNDERGROUND TRAFFIC CONDUIT

INDUCTIVE PRE-FORMED TRAFFIC LOOP

LEGEND

PROPERTY BOUNDARY

FENCE LINE

EXISTING SANITARY PIPE

EXISTING STORM PIPE

NEW SANITARY PIPE

NEW STORM PIPE

EXISTING MANHOLE

EXISTING CATCH BASIN

EXISTING DCB

NEW MANHOLE

NEW CATCH BASIN

NEW DCB

WATERMAIN

HYDRANT

NEW HYDRANT

VALVE

TRAFFIC U/G CABLE

BELL ALANT U/G CABLE

NL POWER U/G CABLE

ROGERS U/G CABLE

U/G ELECTRICAL

F.I.P.

POLE LINE

TRAFFIC POLE

GUY WIRE

JUNCTION BOX

EXISTING SIGN

RETAINING WALL

SIDEWALK REMOVAL

ASPHALT REMOVAL

NEW SHARED USE PATH

NEW CONCRETE

NEW COLORED CONCRETE

NEW GRASS/SOD

WARNING SURFACE PLATES

EXISTING TREES

EX. TREE LINE/SHRUBS

EXISTING ELEVATION

NEW GRADE

POLE CLASSIFICATION

U - UTILITY POLE

UL - UTILITY POLE WITH LIGHT

SL - STEEL POLE WITH LIGHT

CL - CONCRETE POLE WITH LIGHT

TS - TRAFFIC STEEL POLE

TA - TRAFFIC ALUMINUM POLE

POLE IDENTIFICATIONS

P9 - 4.0m DAVIT POLE

P10 - EXISTING POLE

P28 - 3.0m TCM POLE

P29 - 3.0m TCM POLE

STAMP

23/06/09	ISSUED FOR TENDER	0
DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE I

TENDER No. 2023081

SHEET TITLE

PAVEMENT MARKINGS
& SIGNAGE PLAN - 02

AUTHORITY

ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

SCALE

1:250

DATE

APRIL 2023

DRAWN BY

SP

SHEET

14 OF 29

CHECKED BY

PP

DRAWING NUMBER

C14

APPROVED BY

-

PROJECT NUMBER

2020-124



POLE CLASSIFICATION

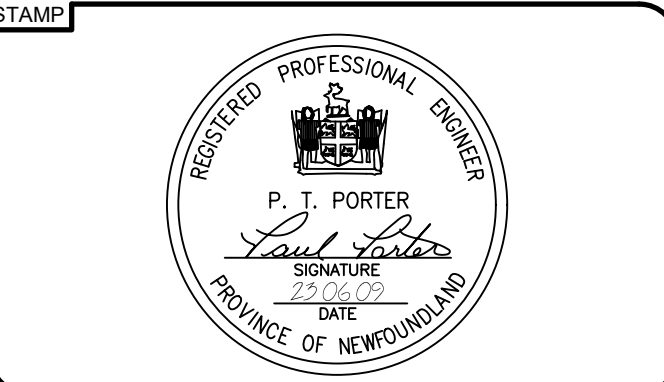
- U - UTILITY POLE
- UL - UTILITY POLE WITH LIGHT
- SL - STEEL POLE WITH LIGHT
- CL - CONCRETE POLE WITH LIGHT
- TS - TRAFFIC STEEL POLE
- TA - TRAFFIC ALUMINUM POLE

DO NOT SCALE FROM PRINT

- TRAFFIC CONTROL LEGEND**
- HIGHWAY SIGNAL HEAD (ALL 30x30cm LENSES)
 - SPECIAL HEAD (TYPE 9 WITH ARROW INDICATION), (30 x 30cm LENSES)
 - PEDESTRIAN SIGNAL HEAD
 - TRAFFIC CONTROLLER PAD
 - POLE BASE
 - JUNCTION BOX
 - 75mm UNDERGROUND TRAFFIC CONDUIT
 - LOOP UNDERGROUND TRAFFIC CONDUIT
 - INDUCTIVE PRE-FORMED TRAFFIC LOOP

- LEGEND**
- PROPERTY BOUNDARY
 - FENCE LINE
 - EXISTING SANITARY PIPE
 - EXISTING STORM PIPE
 - NEW SANITARY PIPE
 - NEW STORM PIPE
 - EXISTING MANHOLE
 - EXISTING CATCH BASIN
 - EXISTING DCB
 - NEW MANHOLE
 - NEW CATCH BASIN
 - NEW DCB
 - WATERMAIN
 - HYDRANT
 - NEW HYDRANT
 - VALVE
 - TRAFFIC U/G CABLE
 - BELL ALIANT U/G CABLE
 - NL POWER U/G CABLE
 - ROGERS U/G CABLE
 - U/G ELECTRICAL
 - F.I.P.
 - POLE LINE
 - TRAFFIC POLE
 - GUY WIRE
 - JUNCTION BOX
 - EXISTING SIGN
 - RETAINING WALL
 - SIDEWALK REMOVAL
 - ASPHALT REMOVAL
 - NEW SHARED USE PATH
 - NEW CONCRETE
 - NEW COLORED CONCRETE
 - NEW GRASS/SOD
 - WARNING SURFACE PLATES
 - EXISTING TREES
 - EX. TREELINE/SHRUBS
 - EXISTING ELEVATION
 - NEW GRADE

- POLE IDENTIFICATIONS**
- P11 - 6.0m TCM POLE
 - P12 - 4.0m DAVIT POLE
 - P13 - 6.0m TCM POLE
 - P14 - 5.0m DAVIT POLE
 - P15 - 6.0m TCM POLE
 - P16 - 5.0m DAVIT POLE
 - P17 - 6.0m TCM POLE
 - P18 - 6.0m DAVIT POLE
 - P19 - 4.0m TCM POLE
 - P20 - 6.0m DAVIT POLE
 - P21 - 5.0m DAVIT POLE
 - P22 - 6.0m TCM POLE
 - P23 - 4.0m DAVIT POLE
 - P24 - 6.0m TCM POLE
 - P25 - 4.0m TCM POLE



23/06/09	ISSUED FOR TENDER	0
DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE 1

TENDER No. 2023081

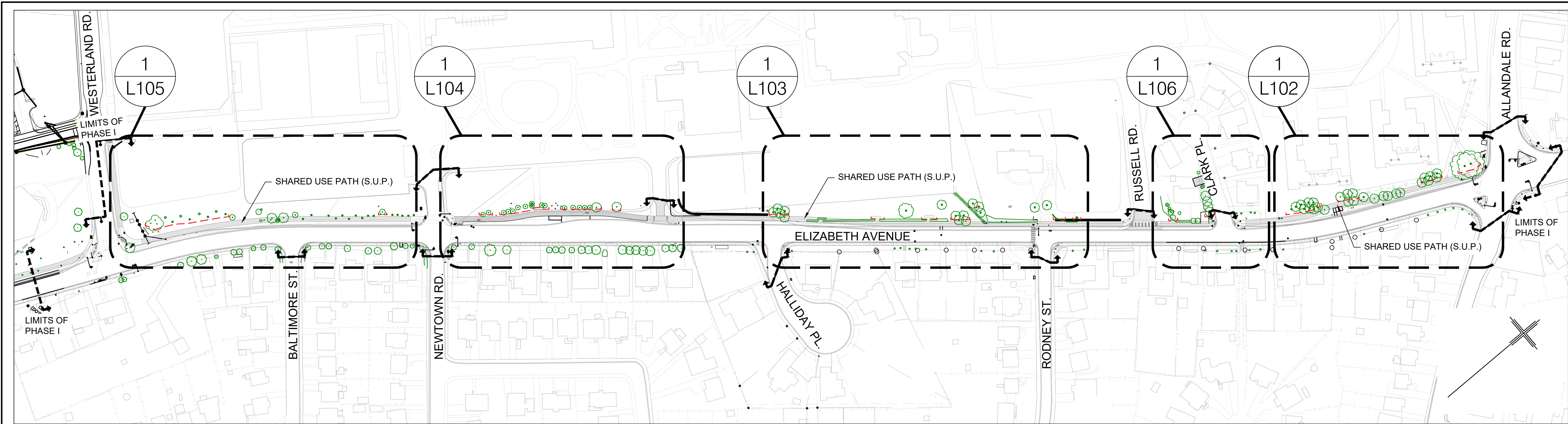
SHEET TITLE

PAVEMENT MARKINGS
& SIGNAGE PLAN - 03

AUTHORITY

ST. JOHN'S
DEPARTMENT OF PLANNING, ENGINEERING
AND REGULATORY SERVICES

SCALE	DATE
1:250	APRIL 2023
DRAWN BY	SHEET
SP	15 OF 29
CHECKED BY	DRAWING NUMBER
PP	C15
APPROVED BY	PROJECT NUMBER
-	2020-124



1 PHASE I - KEY MAP
L101 1:1250

DRAWING LIST:

- L101 — KEY PLAN AND GENERAL NOTES
- L102 — PRESERVATION PLAN AND TREE INVENTORY
- L103 — PRESERVATION PLAN AND TREE INVENTORY
- L104 — PRESERVATION PLAN AND TREE INVENTORY
- L105 — PRESERVATION PLAN AND TREE INVENTORY
- L106 — PRESERVATION PLAN AND TREE INVENTORY
- L107 — TREE PROTECTION FENCING AND SIGNAGE DETAILS

GENERAL CIVIL LEGEND

PROPERTY BOUNDARY	---
FENCE LINE	- - - - -
EXISTING SANITARY PIPE	—●—●—●—●—
EXISTING STORM PIPE	—●—●—●—●—
NEW SANITARY PIPE	—●—●—●—●—
NEW STORM PIPE	—●—●—●—●—
EXISTING MANHOLE	□
EXISTING CATCH BASIN	□
EXISTING DCB	■
NEW MANHOLE	■
NEW CATCH BASIN	■
NEW DCB	■
WATERMAIN	—●—●—●—●—
HYDRANT	—●—●—●—●—
NEW HYDRANT	—●—●—●—●—
VALVE	—●—●—●—●—
TRAFFIC U/G CABLE	—●—●—●—●—
BELL ALIANT U/G CABLE	—●—●—●—●—
NL POWER U/G CABLE	—●—●—●—●—
ROGERS U/G CABLE	—●—●—●—●—
F.I.P.	—●—●—●—●—
POLE LINE	—●—●—●—●—
TRAFFIC POLE	—●—●—●—●—
GUY WIRE	—●—●—●—●—
JUNCTION BOX	—●—●—●—●—
EXISTING SIGN	—●—●—●—●—
RETAINING WALL	—●—●—●—●—
SIDEWALK REMOVAL	—●—●—●—●—
ASPHALT REMOVAL	—●—●—●—●—
NEW SHARED USE PATH	—●—●—●—●—
NEW CONCRETE	—●—●—●—●—
NEW COLORED CONCRETE	—●—●—●—●—
NEW GRASS/SCD	—●—●—●—●—
WARNING SURFACE PLATES	—●—●—●—●—
EXISTING TREES	—●—●—●—●—
EX. TREELINE/SHRUBS	—●—●—●—●—
EXISTING ELEVATION	—●—●—●—●—

TREE PRESERVATION:

- ALL TREES FOR REMOVAL, TRANSPLANT AND PROTECTION TO BE IDENTIFIED WITH MARKING TAPE BY CONTRACTOR PRIOR TO STARTING WORK. CONTRACTOR TO CONTACT LANDSCAPE ARCHITECT TO REVIEW ALL TREES ON SITE PRIOR TO STARTING WORK.
- THE TREE PROTECTION ZONE (TPZ) IS PROTECTED AND DELINEATED BY THE TPF. THE CONTRACTOR IS NOT TO PROCEED IN UNCERTAINTY.
- ANY POTENTIAL OR INCURRED INJURY/DAMAGE TO ADJACENT TREES IDENTIFIED TO BE PRESERVED SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ARBORIST AND REVIEWED ON SITE. INJURY/DAMAGED INCLUDES AND REQUIRED ARBORICULTURAL TREATMENT INCLUDING BUT NOT LIMITED TO: LIMB PRUNING, TRUNK DAMAGE, ROOT EXPOSURE, OR REQUIRED CUTTING/REMOVAL OR ANY OTHER ACTIVITY THAT HAD THE POTENTIAL TO HARM THE TREE.
- THE TPZ IS NOT TO BE USED FOR ANY TYPE OF STORAGE INCLUDING MATERIALS, EQUIPMENT, OR STOCKPILES.
- NO TRENCHING OR TUNNELING FOR UNDERGROUND SERVICES SHALL OCCUR WITHIN THE TPZ.
- ANY EQUIPMENT USE WITHIN THE TPZ WILL BE RESTRICTED THROUGHOUT ALL STAGES OF DEVELOPMENT. THIS APPLIES TO TPZs WITHIN OR OUTSIDE THE PROJECT LIMIT LINE.
- ABSOLUTELY NO ALTERATION OF GRADES OR CONSTRUCTION ACTIVITY IS PERMITTED WITHIN THE TPF AND TPZ.
- WHEN WORKING ADJACENT TO TREES TO BE PRESERVED, SITE PREPARATION MEASURES SUCH AS PRUNING FOR OVERHEAD CLEARANCE MAY BE REQUIRED. PREPARATORY PRUNING SHALL ONLY BE PERFORMAED WHEN COMPLETED BY OR UNDER THE DIRECT SUPERVISION OF AN ISA CERTIFIED ARBORIST (OR APPROVED QUALIFIED PERSON AS APPROVED BY THE PROJECT ARBORIST.)
- ALL PRUNING WORK SHALL BE PERFORMED BY A QUALIFIED INDIVIDUAL AND SHALL BE IN ACCORDANCE WITH CURRENT HORTICULTURAL PRACTICES INCLUDING BUT NOT LIMITED TO:
 - PRUNING CUTS SHALL BE MADE JUST BEYOND THE BRANCH COLLAR AND SHOULD BE LIMITED TO THINNING CUTS. HEADING CUTS WILL ONLY BE ACCEPTED IN SPECIFIC CASES AS DIRECTED BY AN ARBORIST AND SHOULD BE AVOIDED WHERE POSSIBLE.
 - PRUNING OF ALL STEMS GREATER THAN 50mm IN DIAMETER SHOULD BE MADE WITH A THREE-CUT METHOD TO AVOID TEARING LIVING BARK TISSUE.
 - NO WOUND DRESSINGS SHALL BE APPLIED.
- WHERE SOIL EXCAVATION/GRADING WORK IS REQUIRED WITHIN THE ROOTING ZONE OF A TREE TO BE PRESERVED (THE ROOTING ZONE OFTEN EXTENDS BEYOND THE IDENTIFIED TPZ AND CAN BE 3 TIMES THE DRIPLINE RADIUS, OR MORE.)
 - ROOTS SHALL BE CLEANLY SEVERED BEFORE STRIPPING AND REMOVING SOIL TO AVOID DAMAGE TO THE TREE AND THE ROOT SYSTEM. ROOTS TO BE CUT USING APPROPRIATE EQUIPMENT (IE. TRENCHEER ADAPTED TO THIS SPECIFIC USE/CHAINSAW/ROOT PRUNING EQUIPMENT).
 - NO ATTEMPTS TO CUT EXISTING ROOTS WITH THE DIGGING BUCKET OF ANY HEAVY MACHINERY WILL BE PERMITTED AS IT CAN CAUSE THE ROOTS TO TEAR AND PULL, AND BE HARMFUL TO ROOT REGENERATION AND RECOVERY.
 - ANY EXPOSED ROOTS OF A TREE TO BE PRESERVED WITH A DIAMETER GREATER THAN 2.5cm (1 INCH) SHALL BE PRUNED BACK TO THE SOIL FACE USING CLEAN PRUNING TOOLS AND SAWS. AN EXCAVATION AREA WITHIN THE TPZ SHALL BE BACKFILLED IMMEDIATELY AND/OR ROOTS SHALL BE KEPT CONSTANTLY MOIST WITH BURLAP, COVERED WITH WHITE PLASTIC, AND CHECKED A MINIMUM OF 2 TIMES A DAY, FOR A MAXIMUM OF 48 HOURS. IF ROOTS ARE TO BE EXPOSED FOR A PERIOD OF MORE THAN 48 HOURS, THE EXPOSED AREA SHALL BE COVERED WITH A MINIMUM OF 150mm (6 INCHES) OF MULCH AND MAINTAINED IN A MOIST CONDITION DURING THE CONSTRUCTION, UNTIL THE AREA CAN BE PROPERLY BACKFILLED.
 - TREES SHALL NOT HAVE ANY RIGGING CABLES, FENCING, SIGNAGE OR HARDWARE OF ANY SORT ATTACHED OR WRAPPED AROUND THEM.
- NO CONTAMINATES OR TOXIC MATERIALS SHALL BE DUMPED OR FLUSHED WHERE THEY MAY COME INTO CONTACT WITH THE FEEDER ROOTS OF TREES TO BE PRESERVED.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL AVOIDABLE DAMAGE TO PRESERVED TREES DURING ALL STAGES OF CONSTRUCTION.
- WATERING OR OTHER MAINTENANCE OF TREES TO BE PRESERVED MAY BE REQUIRED IF CONSTRUCTION ACTIVITIES ARE OBSERVED TO BE CAUSING

STRESS OR IMPACTING HEALTH AS DETERMINED BY THE PROJECT ARBORIST.

TREE PROTECTION FENCING:

- THE CONTRACTOR SHALL INSTALL TREE PROTECTION FENCING (TPF) USING ORANGE SAFETY FENCING AND SIGNAGE TO PROTECT TREES IDENTIFIED FOR PRESERVATION AS PER DETAIL 1 ON SHEET L07.
- NO SUBSTITUTIONS OF MATERIALS, PRODUCTS, OR QUANTITIES WILL BE ACCEPTED WITHOUT THE PRIOR WRITTEN PERMISSION OF THE PROJECT ARBORIST.
- UPON INSTALLATION OF THE TPF, THE CONTRACTOR SHALL CONTACT THE PROJECT ARBORIST TO REVIEW AND APPROVE THE FENCING AND LOCATIONS IN WRITING PRIOR TO COMMENCEMENT OF ANY SITE WORK.
- THE TPF SHALL REMAIN IN THE APPROVED LOCATIONS THROUGHOUT THE DURATION OF THE SITE WORKS AND SHALL NOT BE MOVED AT ANY TIME TO ACCOMMODATE CONSTRUCTION OR SITE WORK.
- THE CONTRACTOR SHALL INSPECT TPF WEEKLY AND MAINTAIN AS REQUIRED THROUGH ALL STAGES OF CONSTRUCTION. THE TPF SHALL BE REMOVED AT THE COMPLETION OF THE WORK AND DISTURBED AREAS SHALL BE RESTORED TO ORIGINAL CONDITION.

TREE REMOVALS:

- PRIOR TO THE COMMENCEMENT OF TREE REMOVALS, ALL TREES DESIGNATED FOR REMOVAL MUST BE CLEARLY IDENTIFIED IN THE FIELD AND APPROVED BY PROJECT ARBORIST BEFORE PROCEEDING WITH ANY WORK.
- WHERE POSSIBLE, REMOVALS, CHIPPING, AND/OR BRUSH REMOVAL IS TO BE COMPLETED OUTSIDE OF MIGRATORY BIRD NESTING SEASON FROM APRIL 1 TO AUGUST 31. IF REMOVALS ARE TO OCCUR WITHIN THE RESTRICTED ACTIVITY PERIOD, DUE DILIGENCE MEASURES, INCLUDING PRE-CLEARING NEST SWEEPS WILL BE REMOVED TO RISK TO NESTING BIRDS PROTECTED UNDER THE MIGRATORY BIRDS CONVENTION ACT, 1994 AND MIGRATORY BIRD REGULATIONS. THESE SURVEYS MUST BE COMPLETED BY A QUALIFIED BIOLOGIST OR ORNITHOLOGIST.
- TREES SHALL ALWAYS BE FELLED AWAY FROM ADJACENT PRESERVED TREES TO PREVENT AVOIDABLE DAMAGE TO CROWNS AND STEMS.
- TREES SHALL BE REMOVED IN A SAFE AND CONTROLLED MANNER AS PER I.S.A. STANDARDS.
- ALL TREE STUMPS OF TREES TO BE REMOVED WITHIN 1.0m OF SHARED USE PATH TO BE EXCAVATED AND REMOVED OFF SITE.
- ALL TREE STUMPS OF TREES TO BE REMOVED BEYOND 1.0m OF SHARED USE PATH TO BE STUMP GRINDED TO FINISH GRADE TO THE SATISFACTION OF THE PROJECT ARBORIST.

TREE PLANTING AND TRANSPLANTING:

- PROPOSED LOCATIONS FOR ALL NEW TREES AND TREES TO BE TRANSPLANTED CAN BE FOUND ON LANDSCAPING PLANS.
- TRANSPLANTING TO BE INSTALLED AD PER DETAIL 4 ON L-207.

GENERAL CONSTRUCTION NOTES:

- TREE PROTECTION PLANS TO BE READ IN CONJUNCTION WITH ARBORIST REPORT PREPARED BY THE CITY OF ST. JOHN'S PUBLIC WORKS AND PARKS. REPORT DATED FOR NOVEMBER 15, 2023.
- DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE LANDSCAPE ARCHITECT SHALL BE INFORMED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS PRIOR TO CONTINUING WITH THE WORK.
- ALL WORKMANSHIP TO CONFORM WITH THE CITY OF ST. JOHN'S STANDARDS AND THE CANADIAN LANDSCAPE STANDARD — SECTION 3. SITE PREPARATION AND PROTECTION.
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL ENSURE ANY MUD TRACKING OFFSITE FROM VEHICLES LEAVING THE CONSTRUCTION SITE IS REMOVED AND CLEANED AT NO ADDITIONAL COST.
- THE CONTRACTOR WILL ARRANGE AND PAY FOR ALL STAKEOUTS TO LOCATE ALL EXISTING BURIED SERVICES. HAND DIG WITHIN 2 METERS OF ALL SERVICES ON ALL SIDES TO ALLOW ACCESS TO SERVICES.
- THE CONTRACTOR WILL CLEAN AND REINSTATE ALL AREAS AFFECTED BY WORKS OUTSIDE OF THE CONSTRUCTION ZONES TO CONDITIONS THAT EXISTED BEFORE CONSTRUCTION OR BETTER AND TO THE SATISFACTION OF THE CONSULTANT AND AT THE EXPENSE OF THE CONTRACTOR.

REFERENCE DRAWINGS:

- SEE CITY OF ST. JOHN'S CIVIL DRAWINGS FOR PHASE 1 SHARED USE PATH LAYOUT AND ROAD UPGRADES.
- SEE L200 SERIES DRAWINGS FOR PROPOSED PLANTING PLAN AND NEW LOCATIONS FOR TRANSPLANTED TREES.

DO NOT SCALE FROM PRINT

LANDSCAPE LEGEND:

- TREE PROTECTION FENCING (TPF)
- TREES TO BE PRESERVED
- TREES TO BE TRANSPLANTED
- TREES/SHRUBS TO BE REMOVED
- SHRUBS TO BE PROTECTED
- SHRUBS TO BE TRANSPLANTED

LANDSCAPE ARCHITECT

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MURRAY'S LANDSCAPE SERVICES

709-895-2800
INFO@MURRAYSGARDENS.COM
WWW.MURRAYSGARDENS.COM

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TIM MURRAY

06/19/23	ISSUED FOR TENDER	3
06/02/23	ISSUED FOR REVIEW	2
05/23/23	ISSUED FOR REVIEW	1
DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE 1

SHEET TITLE

KEY PLAN
AND
GENERAL NOTES

AUTHORITY

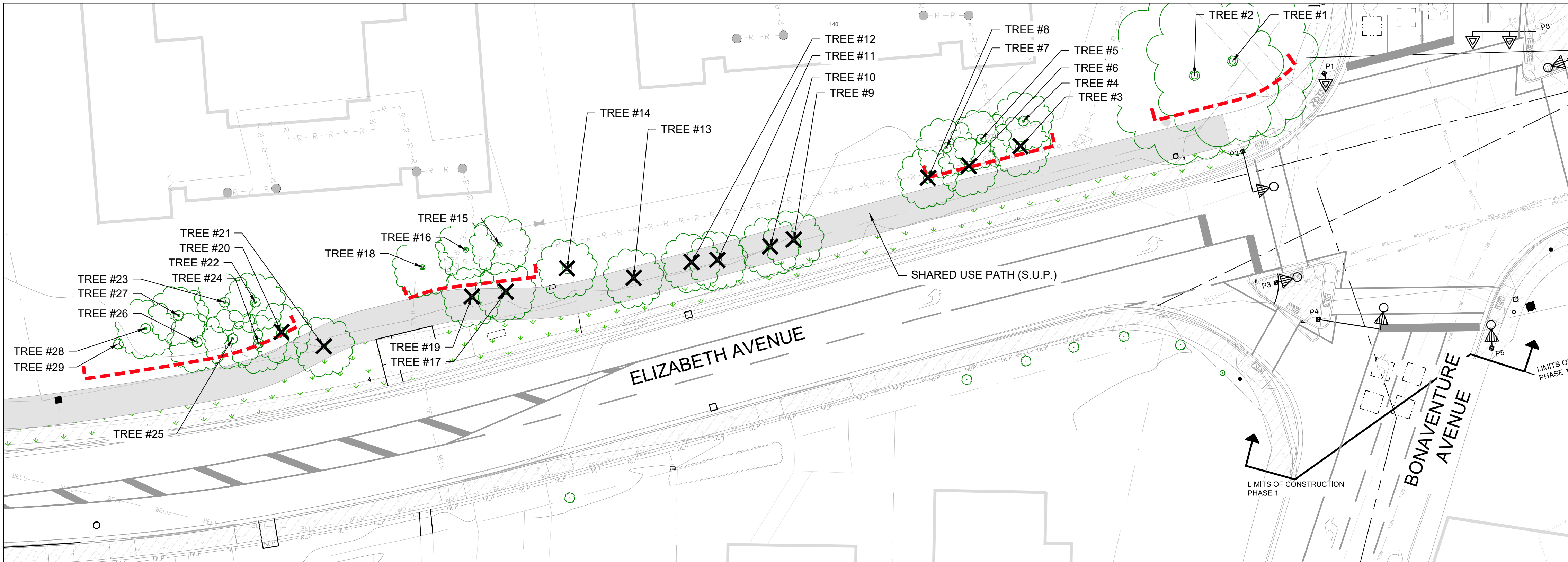
ST. JOHN'S

SCALE	DATE
AS-SHOWN	APR. 2023

DRAWN BY	SHEET
AM	1 OF 7

CHECKED BY	DRAWING NUMBER
TM	L101

APPROVED BY	PROJECT NUMBER
TM	2020-124



1 PHASE I - TREES 1 TO 29
L102 1:250

TREE INVENTORY LIST:

Tag No.	Botanical Name	Common Name	DBH (cm)	Condition (Health/Structure)	Jurisdiction	COSJ Arborist Recommend	Tree Protection Treatment	Tree Protection Zone	Distance to Construction (meters)	Construction Impacts	NOTES
1	Acer pseudoplatanus	Sycamore Maple	71	Fair/Fair	MUN	Protect & Prune	LDH	4.8m	3.5m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
2	Acer pseudoplatanus	Sycamore Maple	74	Good/Fair	MUN	Protect & Prune	LDH	4.8m	3.3m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
3	Pinus nigra	Austrian Pine	42	Fair/Good	MUN	Remove			0.8m	High	Remove tree and grind stump flush with existing grade.
4	Tilia cordata	Little Leaf Linden	37	Good/Good	MUN	Protect & Prune	LDH	2.4m	3.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
5	Pinus nigra	Austrian Pine	35	Poor/Good	MUN	Protect	LDH	2.4m	2.6m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
6	Pinus nigra	Austrian Pine	51	Good/Good	MUN	Remove			0.2m	High	Remove tree and grind stump flush with existing grade.
7	Pinus nigra	Austrian Pine	31	Good/Poor	MUN	Protect	LDH	2.4m	2.6m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
8	Pinus nigra	Austrian Pine	44	Good/Poor	MUN	Remove			0.1m	High	Remove tree and grind stump flush with existing grade.
9	Syringa vulgaris	Common Lilac	40	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
10	Syringa vulgaris	Common Lilac	37	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
11	Syringa vulgaris	Common Lilac	25	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
12	Syringa vulgaris	Common Lilac	38	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
13	Acer pseudoplatanus	Sycamore Maple	53	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
14	Pinus nigra	Austrian Pine	57	Good/Fair	MUN	Remove			0.1m	High	Remove tree and grind stump flush with existing grade.
15	Pinus nigra	Austrian Pine	42	Fair/Fair	MUN	Protect	LDH	3.0m	2.7m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
16	Pinus nigra	Austrian Pine	47	Good/Fair	MUN	Protect	LDH	3.0m	3.3m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
17	Pinus nigra	Austrian Pine	39	Fair/Poor	MUN	Remove			0.1m	High	Remove tree and grind stump flush with existing grade.
18	Pinus nigra	Austrian Pine	29	Good/Poor	MUN	Protect	LDH	2.4m	3.7m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
19	Pinus nigra	Austrian Pine	41	Good/Fair	MUN	Remove			0.1m	High	Remove tree and grind stump flush with existing grade.
20	Sorbus americana	American Mountain Ash	42	Poor/Poor	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
21	Acer pseudoplatanus	Sycamore Maple	41	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
22	Pinus nigra	Austrian Pine	33	Fair/Fair	MUN	Protect & Prune	LDH	2.4m	0.8m	Medium	Tree pruning and root pruning may be required. Possible removal. Confirm on site.
23	Pinus nigra	Austrian Pine	31	Fair/Fair	MUN	Protect & Prune	LDH	2.4m	4.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
24	Pinus nigra	Austrian Pine	36	Fair/Poor	MUN	Protect & Prune	LDH	2.4m	0.8m	Medium	Tree pruning and root pruning may be required. Possible removal. Confirm on site.
25	Pinus nigra	Austrian Pine	35	Fair/Good	MUN	Protect & Prune	LDH	2.4m	4.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
26	Pinus nigra	Austrian Pine	44	Fair/Poor	MUN	Protect & Prune	LDH	3.0m	1.1m	Medium	Tree pruning and root pruning may be required. Possible removal. Confirm on site.
27	Pinus nigra	Austrian Pine	47	Good/Fair	MUN	Protect & Prune	LDH	3.0m	4.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
28	Pinus nigra	Austrian Pine	42	Good/Good	MUN	Protect & Prune	LDH	3.0m	1.4m	Medium	Tree pruning and root pruning may be required. Possible removal. Confirm on site.
29	Pinus nigra	Austrian Pine	55	Good/Fair	MUN	Protect & Prune	LDH	3.6m	4.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.

DO NOT SCALE FROM PRINT

- LANDSCAPE LEGEND:
- TREE PROTECTION FENCING (TPF)
 - TREES TO BE PRESERVED
 - TREES TO BE TRANSPLANTED
 - TREES/SHRUBS TO BE REMOVED
 - SHRUBS TO BE PROTECTED
 - SHRUBS TO BE TRANSPLANTED

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INFO@MURRAYSGARDENS.COM
WWW.MURRAYSGARDENS.COM

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Association des architectes-paysagistes des provinces atlantiques
Association of landscape architects
TIM MURRAY

06/19/23	ISSUED FOR TENDER	3
06/02/23	ISSUED FOR REVIEW	2
05/23/23	ISSUED FOR REVIEW	1
DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE 1

SHEET TITLE

PRESERVATION PLAN &
TREE INVENTORY

AUTHORITY

ST. JOHN'S

SCALE

AS-SHOWN

DATE

APR. 2023

DRAWN BY

AM

SHEET

2 OF 7

CHECKED BY

TM

DRAWING NUMBER

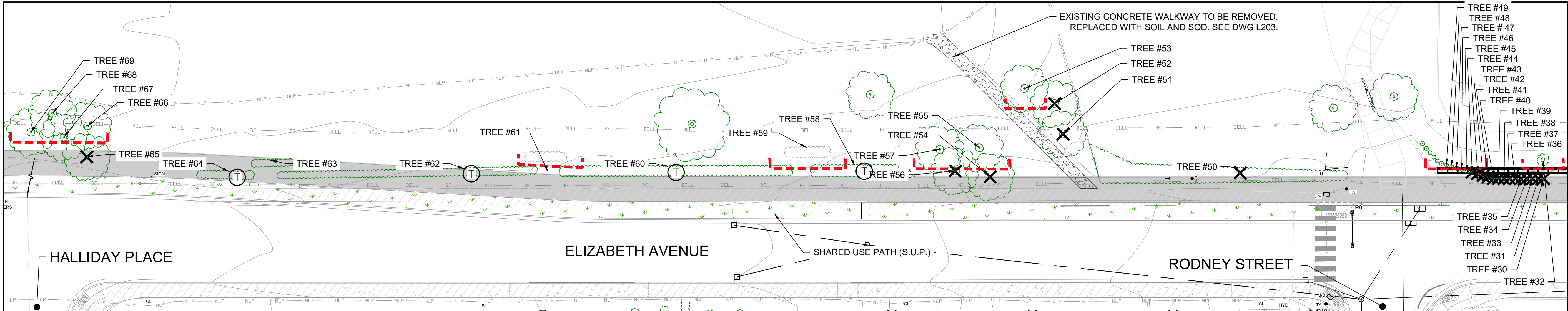
L102

APPROVED BY

TM

PROJECT NUMBER

2020-124



1 PHASE I - TREES 30 TO 69
L103 1:250

TREE INVENTORY LIST:

Tag No.	Botanical Name	Common Name	DBH (cm)	Condition (Health/Structure)	Jurisdiction	COSJ Arborist Recommend	Tree Protection Treatment	Tree Protection Zone	Distance to Construction (meters)	Construction Impacts	NOTES
30	Acer platanoides	Norway Maple	10	Dead/Poor	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
31	Acer platanoides	Norway Maple	10	Dead/Poor	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
32	Acer platanoides	Norway Maple	17	Fair/Fair	MUN	Protect & Prune	LDH	2.4m	0.8m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
33	Acer platanoides	Norway Maple	7	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
34	Acer platanoides	Norway Maple	8	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
35	Acer platanoides	Norway Maple	8	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
36	Acer platanoides	Norway Maple	10	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
37	Acer platanoides	Norway Maple	10	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
38	Acer platanoides	Norway Maple	15	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
39	Acer platanoides	Norway Maple	7	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
40	Acer platanoides	Norway Maple	8	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
41	Acer platanoides	Norway Maple	8	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
42	Acer platanoides	Norway Maple	10	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
43	Ulmus rubra	Slippery Elm	10	Good/Poor	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
44	Acer platanoides	Norway Maple	8	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
45	Acer platanoides	Norway Maple	25	Good/Good	MUN	Protect & Prune	LDH	2.4m	0.2m	Medium	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
46	Acer platanoides	Norway Maple	25	Good/Fair	MUN	Protect & Prune	LDH	2.4m	0.3m	Medium	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
47	Acer platanoides	Norway Maple	11	Good/Fair	MUN	Protect & Prune	LDH	2.4m	2.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
48	Acer platanoides	Norway Maple	10	Good/Fair	MUN	Protect & Prune	LDH	2.4m	2.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
49	Acer platanoides	Norway Maple	15	Good/Fair	MUN	Protect & Prune	LDH	2.4m	2.5m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
50	Symphoricarpos	Snowberry	38m	Fair/Fair	MUN	Remove			0m	High	Remove hedge and grind stump flush with existing grade. Hedge size is 38 meters.
51	Sorbus americana	American Mountain Ash	45	Fair/Fair	MUN	Remove			0.3m	High	Remove tree and grind stump flush with existing grade.
52	Sorbus americana	American Mountain Ash	25	Fair/Fair	MUN	Remove			1.3m	Medium	Remove tree and grind stump flush with existing grade.
53	Sorbus americana	American Mountain Ash	35	Fair/Poor	MUN	Protect & Prune	LDH	2.4m	2.3m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
54	Pinus nigra	Austrian Pine	45	Good/Poor	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
55	Pinus nigra	Austrian Pine	55	Good/Fair	MUN	Protect & Prune	LDH	3.6m	2.5m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
56	Pinus nigra	Austrian Pine	49	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
57	Pinus nigra	Austrian Pine	47	Good/Good	MUN	Protect & Prune	LDH	3.0m	2.5m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
58	Amelanchier canadensis	Serviceberry	10m	Good/Good	MUN	Transplant			0m	High	Transplant existing hedge 2 meters back from current location. May need to prune to make easier for transplant.
59	Amelanchier canadensis	Serviceberry	5m	Good/Good	MUN	Protect & Prune	LDH	1.8m	2.5m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
60	Amelanchier canadensis	Serviceberry	28m	Good/Good	MUN	Transplant			0m	High	Transplant existing hedge 2 meters back from current location. May need to prune to make easier for transplant.
61	Amelanchier canadensis	Serviceberry	4m	Good/Good	MUN	Protect & Prune	LDH	1.8m	1.7m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
62	Amelanchier canadensis	Serviceberry	25m	Good/Good	MUN	Transplant			0m	High	Transplant existing hedge 2 meters back from current location. May need to prune to make easier for transplant.
63	Amelanchier canadensis	Serviceberry	4m	Good/Good	MUN	Transplant			0.8m	High	Transplant existing hedge 2 meters back from current location. May need to prune to make easier for transplant.
64	Amelanchier canadensis	Serviceberry	6m	Good/Good	MUN	Transplant			0.8m	High	Transplant existing hedge 2 meters back from current location. May need to prune to make easier for transplant.
65	Pinus nigra	Austrian Pine	38	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
66	Pinus nigra	Austrian Pine	39	Good/Good	MUN	Protect & Prune	LDH	2.4m	2.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
67	Pinus nigra	Austrian Pine	36	Fair/Good	MUN	Protect & Prune	LDH	2.4m	0.7m	Medium	Tree pruning and root pruning may be required. Possible removal. Confirm on site.
68	Pinus nigra	Austrian Pine	43	Good/Fair	MUN	Protect & Prune	LDH	3.0m	1.1m	Medium	Tree pruning and root pruning may be required. Possible removal. Confirm on site.
69	Pinus nigra	Austrian Pine	40	Fair/Poor	MUN	Protect & Prune	LDH	2.4m	2.1m	Low	Tree pruning and root pruning may be required. Confirm on site.

DO NOT SCALE FROM PRINT

LANDSCAPE LEGEND:

- TREE PROTECTION FENCING (TPF)
- TREES TO BE PRESERVED
- TREES TO BE TRANSPLANTED
- TREES/SHRUBS TO BE REMOVED
- SHRUBS TO BE PROTECTED
- SHRUBS TO BE TRANSPLANTED
- EXISTING CONCRETE WALKWAY TO BE REMOVED

LANDSCAPE ARCHITECT

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INFO@MURRAYSGARDENS.COM
WWW.MURRAYSGARDENS.COM

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Association des architectes-paysagistes des provinces atlantiques
Association of landscape architects of the Atlantic provinces

TIM MURRAY

06/19/23	ISSUED FOR TENDER	3
06/02/23	ISSUED FOR REVIEW	2
05/23/23	ISSUED FOR REVIEW	1
DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE 1

SHEET TITLE

PRESERVATION PLAN &
TREE INVENTORY

AUTHORITY

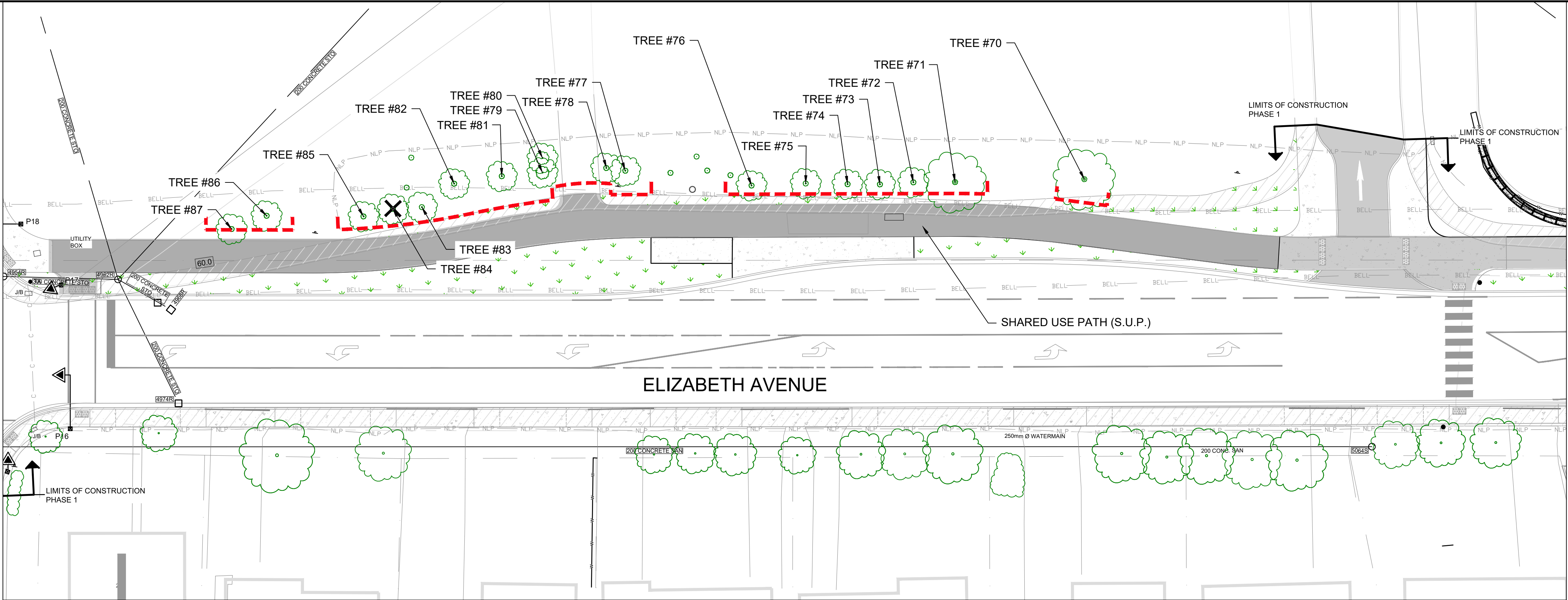
ST. JOHN'S

SCALE: AS-SHOWN DATE: APR. 2023

DRAWN BY: AM SHEET: 3 OF 7

CHECKED BY: TM DRAWING NUMBER: L103

APPROVED BY: TM PROJECT NUMBER: 2020-124



1

L104

PHASE I - TREES 70 TO 87

1:250

TREE INVENTORY LIST:

Tag No.	Botanical Name	Common Name	DBH (cm)	Condition (Health/Structure)	Jurisdiction	COSJ Arborist Recommend	Tree Protection Treatment	Tree Protection Zone	Distance to Construction (meters)	Construction Impacts	NOTES
70	Laburnum anagyroides	Golden Chain	30	Fair/Good	MUN	Protect & Prune	LDH	2.4m	1.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
71	Sorbus americana	American Mountain Ash	42	Poor/Poor	MUN	Protect & Prune	LDH	3.0m	1.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
72	Sorbus americana	American Mountain Ash	20	Good/Poor	MUN	Protect & Prune	LDH	2.4m	1.5m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
73	Malus sylvestris	Crab Apple	13	Good/Fair	MUN	Protect & Prune	LDH	2.4m	1.5m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
74	Malus sylvestris	Crab Apple	15	Good/Good	MUN	Protect & Prune	LDH	2.4m	1.5m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
75	Malus sylvestris	Crab Apple	20	Good/Fair	MUN	Protect & Prune	LDH	2.4m	2.4m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
76	Crataegus monogyna	Common Hawthorn	20	Good/Good	MUN	Protect & Prune	LDH	2.4m	2.7m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
77	Laburnum anagyroides	Golden Chain	20	Good/Fair	MUN	Protect & Prune	LDH	2.4m	4.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
78	Laburnum anagyroides	Golden Chain	20	Fair/Poor	MUN	Protect & Prune	LDH	2.4m	0.8m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
79	Laburnum anagyroides	Golden Chain	24	Fair/Fair	MUN	Protect & Prune	LDH	2.4m	4.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
80	Laburnum anagyroides	Golden Chain	35	Good/Fair	MUN	Protect & Prune	LDH	2.4m	4.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
81	Laburnum anagyroides	Golden Chain	25	Good/Fair	MUN	Protect & Prune	LDH	2.4m	3.5m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
82	Laburnum anagyroides	Golden Chain	15	Fair/Fair	MUN	Protect & Prune	LDH	2.4m	3.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
83	Crataegus monogyna	Common Hawthorn	30	Good/Poor	MUN	Protect & Prune	LDH	2.4m	1.5m	High	Tree pruning and root pruning may be required. Confirm on site.
84	Crataegus monogyna	Common Hawthorn	6	Good/Poor	MUN	Remove			1.2m	High	Remove tree and grind stump flush with existing grade.
85	Malus sylvestris	Apple Common	34	Good/Good	MUN	Protect & Prune	LDH	2.4m	0.5m	High	Tree pruning and root pruning may be required. Possible removal. Confirm on site.
86	Sorbus aria	Whitebeam	35	Good/Fair	MUN	Protect & Prune	LDH	2.4m	0.8m	High	Tree pruning and root pruning may be required. Confirm on site.
87	Sorbus aria	Whitebeam	23	Good/Fair	MUN	Protect & Prune	LDH	2.4m	0.4m	High	Tree pruning and root pruning may be required. Confirm on site.

DO NOT SCALE FROM PRINT

- LANDSCAPE LEGEND:
- TREE PROTECTION FENCING (TPF)
 - TREES TO BE PRESERVED
 - TREES TO BE TRANSPLANTED
 - TREES/SHRUBS TO BE REMOVED
 - SHRUBS TO BE PROTECTED
 - SHRUBS TO BE TRANSPLANTED

LANDSCAPE ARCHITECT

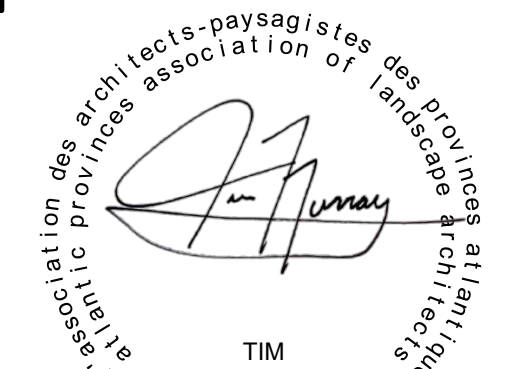


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SHARED-USE-PATH
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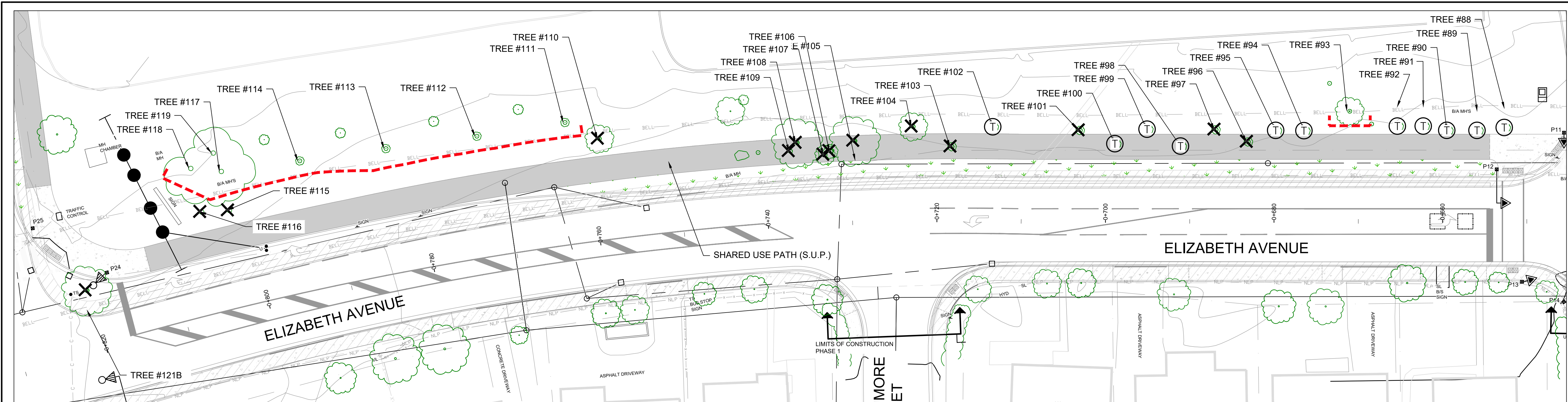
SHEET TITLE

PRESERVATION PLAN &
TREE INVENTORY

AUTHORITY

ST. JOHN'S

SCALE	AS-SHOWN	DATE	APR. 2023
DRAWN BY	AM	SHEET	4 OF 7
CHECKED BY	TM	DRAWING NUMBER	L104
APPROVED BY	TM	PROJECT NUMBER	2020-124



1 PHASE I - TREES 88 TO 121
L105 1:250

TREE INVENTORY LIST:

Tag No.	Botanical Name	Common Name	DBH (cm)	Condition (Health/Structure)	Jurisdiction	COSJ Arborist Recommend	Tree Protection Treatment	Tree Protection Zone	Distance to Construction (meters)	Construction Impacts	NOTES
88	Betula papyrifera	White Birch	5	Fair/Fair	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
89	Betula papyrifera	White Birch	10	Good/Good	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
90	Betula papyrifera	White Birch	11	Good/Good	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
91	Betula papyrifera	White Birch	5	Good/Good	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
92	Betula papyrifera	White Birch	5	Good/Good	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
93	Larix decidua	European Larch	25	Good/Fair	MUN	Protect & Prune	LDH	2.4m	1.3m	High	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
94	Betula papyrifera	White Birch	5	Good/Poor	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
95	Betula papyrifera	White Birch	5	Fair/Poor	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
96	Betula papyrifera	White Birch	5	Poor/Poor	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
97	Syringa vulgaris	Common Lilac	5	Fair/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
98	Betula papyrifera	White Birch	5	Fair/Fair	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
99	Betula papyrifera	White Birch	5	Fair/Fair	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
100	Betula papyrifera	White Birch	5	Fair/Fair	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
101	Betula papyrifera	White Birch	5	Poor/Poor	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
102	Betula papyrifera	White Birch	5	Good/Fair	MUN	Transplant			0m	High	Transplant outside of construction area. See Tree Location and Planting Plan sheets for new transplant locations.
103	Syringa vulgaris	Common Lilac	5	Poor/Poor	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
104	Malus sylvestris	Crab Apple	38	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
105	Acer pseudoplatanus	Sycamore Maple	47	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
106	Acer pseudoplatanus	Sycamore Maple	15	Fair/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
107	Acer pseudoplatanus	Sycamore Maple	32	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
108	Acer pseudoplatanus	Sycamore Maple	68	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
109	Acer pseudoplatanus	Sycamore Maple	22	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
110	Pinus banksiana	Jack Pine	27	Fair/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
111	Betula papyrifera	White Birch	5	Good/Fair	MUN	Protect & Prune	LDH	1.8m	1.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
112	Betula papyrifera	White Birch	10	Good/Good	MUN	Protect & Prune	LDH	1.8m	1.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
113	Betula papyrifera	White Birch	5	Good/Fair	MUN	Protect & Prune	LDH	1.8m	1.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
114	Betula papyrifera	White Birch	5	Fair/Fair	MUN	Protect & Prune	LDH	1.8m	1.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
115	Pinus nigra	Austrian Pine	53	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
116	Pinus nigra	Austrian Pine	52	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
117	Pinus nigra	Austrian Pine	43	Good/Good	MUN	Protect & Prune	LDH	3.0m	1.8m	Medium	Tree pruning and root pruning may be required. Confirm on site.
118	Pinus nigra	Austrian Pine	38	Good/Good	MUN	Protect & Prune	LDH	2.4m	2.0m	Medium	Tree pruning and root pruning may be required. Confirm on site.
119	Pinus nigra	Austrian Pine	36	Good/Good	MUN	Protect & Prune	LDH	2.4m	4.0m	Low	Prune all tree limbs that extend into Shared Use Path to a height of 3.0m above finished grade.
120	Acer platanoides	Norway Maple	38	Good/Fair	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.
121	Acer platanoides	Norway Maple	28	Good/Good	MUN	Remove			0m	High	Remove tree and grind stump flush with existing grade.

NOTE TREE 121B ADDED TO PLANT LIST. TREE WAS NOT INCLUDED IN ORIGINAL ARBORIST REPORT FROM CITY OF ST. JOHN'S.

121B	ACER PLATANOIDES	NORWAY MAPLE	28	GOOD/GOOD	MUN	REMOVE	REMOVE TREE AND GRIND STUMP FLUSH WITH EXISTING GRADE.
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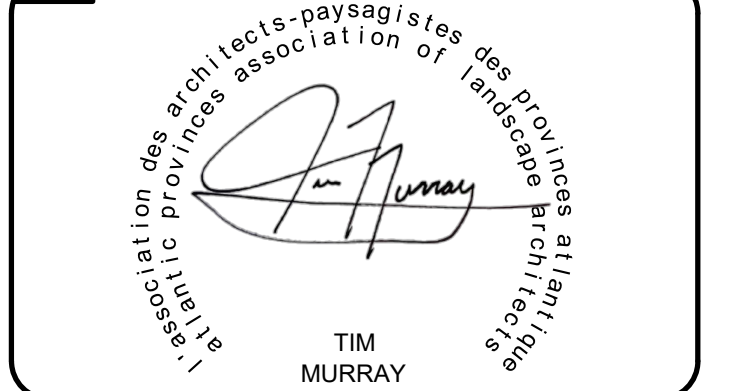
LANDSCAPE LEGEND:

- TREE PROTECTION FENCING (TPF)
- TREES TO BE PRESERVED
- TREES TO BE TRANSPLANTED
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LANDSCAPE ARCHITECT



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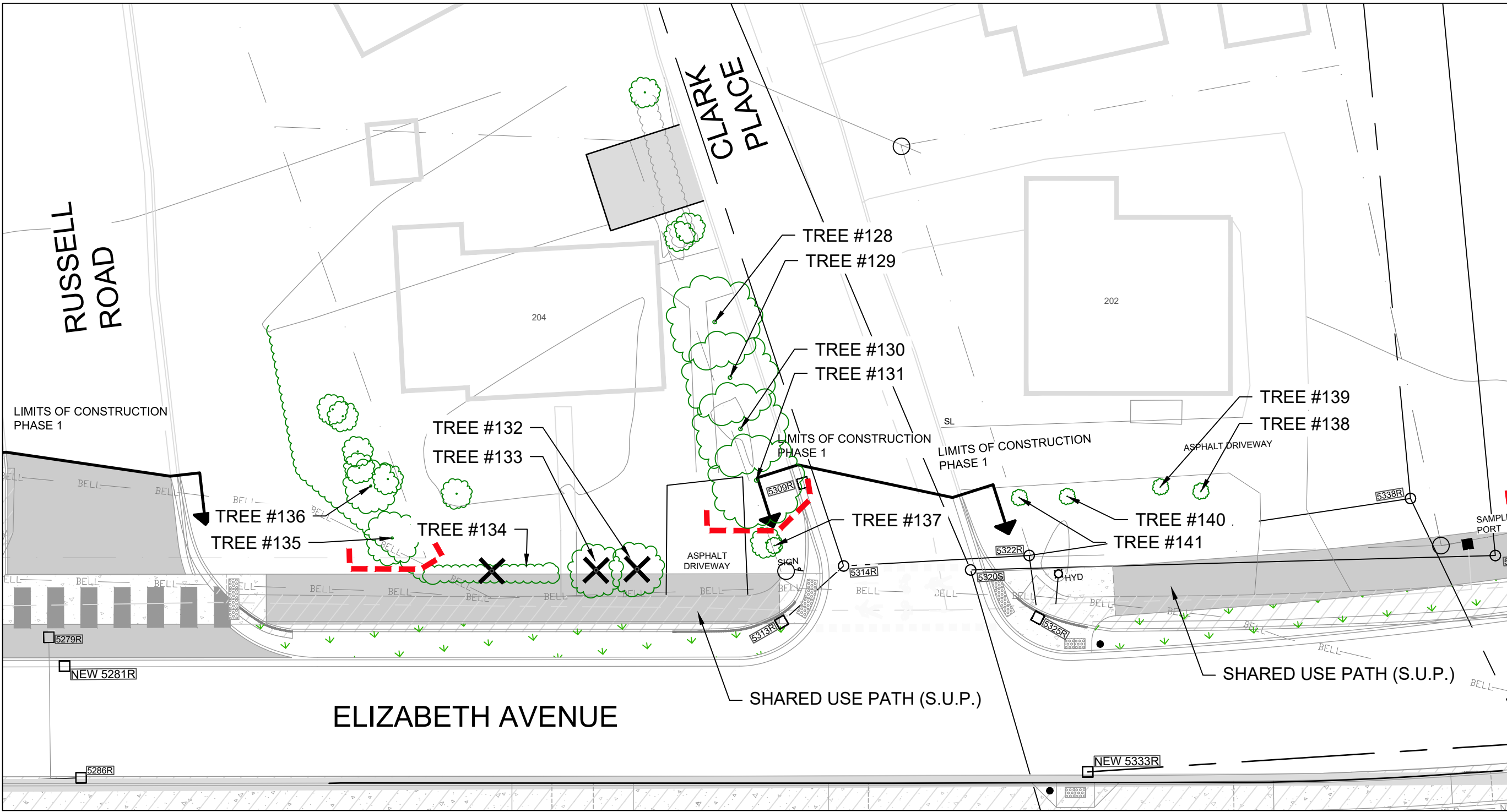
L105

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PROJECT NUMBER

2020-124



1

PHASE I - TREES 128 TO 136

L106

1:250

TREE INVENTORY LIST:

Tag No.	Botanical Name	Common Name	DBH (cm)	Condition (Health/Structure)	Jurisdiction	COSJ Arborist Recommend	Tree Protection Treatment	Tree Protection Zone	Distance to Construction (meters)	Construction Impacts	NOTES
128	Acer platanoides	Norway Maple	46	Good/Good	PRIVATE	Protect & Prune	LDH	3.0m	5.0m	Low	Tree pruning and root pruning may be required. Confirm on site.
129	Pinus sylvestris	Scots Pine	21	Good/Fair	PRIVATE	Protect & Prune	LDH	2.4m	0.9M	Medium	Tree pruning and root pruning may be required. Confirm on site.
130	Syringa vulgaris	Common Lilac	40	Fair/Fair	PRIVATE	Protect & Prune	LDH	2.4m	0m	High	Tree pruning and root pruning may be required. Confirm on site.
131	Pinus sylvestris	Scots Pine	50	Good/Good	PRIVATE	Protect & Prune	LDH	3.0m	0m	Medium	Tree pruning and root pruning may be required. Confirm on site.
132	Acer pseudoplatanus	Sycamore Maple	32	Poor/Good	PRIVATE	Remove			0.6m	High	Remove tree and grind stump flush with existing grade.
133	Acer platanoides	Norway Maple	29	Good/Good	PRIVATE	Remove			0.9m	High	Remove tree and grind stump flush with existing grade.
134	Symphoricarpos	Snowberry	10m	Poor/Poor	PRIVATE	Remove			0.6m	High	Remove tree and grind stump flush with existing grade.
135	Acer platanoides	Norway Maple	20	Good/Fair	PRIVATE	Protect & Prune	LDH	2.4m	0.6m	High	Tree pruning and root pruning may be required. Confirm on site.
136	Acer platanoides	Norway Maple	25	Good/Fair	PRIVATE	Protect & Prune	LDH	2.4m	0.2m	High	Tree pruning and root pruning may be required. Confirm on site.

NOTE TREES 137-141 ADDED TO PLANT LIST. TREES WERE NOT INCLUDED IN ORIGINAL ARBORIST REPORT FROM CITY OF ST. JOHN'S.

137	SYRINGA VULGARIS	COMMON LILAC	10	POOR/POOR	PRIVATE	PROTECT	TREE PRUNING AND ROOT PRUNING MAY BE REQUIRED.
138	SYRINGA VULGARIS	COMMON LILAC	10	POOR/POOR	PUBLIC	PROTECT	TREE PRUNING AND ROOT PRUNING MAY BE REQUIRED.
139	SYRINGA VULGARIS	COMMON LILAC	10	POOR/POOR	PUBLIC	PROTECT	TREE PRUNING AND ROOT PRUNING MAY BE REQUIRED.
140	SYRINGA VULGARIS	COMMON LILAC	10	POOR/POOR	PUBLIC	PROTECT	TREE PRUNING AND ROOT PRUNING MAY BE REQUIRED.
141	SYRINGA VULGARIS	COMMON LILAC	10	POOR/POOR	PUBLIC	PROTECT	TREE PRUNING AND ROOT PRUNING MAY BE REQUIRED..

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LANDSCAPE LEGEND:

TREE PROTECTION FENCING (TPF)

TREES TO BE PRESERVED

T

TREES TO BE TRANSPLANTED

X

TREES/SHRUBS TO BE REMOVED

SHRUBS TO BE PROTECTED

T

SHRUBS TO BE TRANSPLANTED

LANDSCAPE ARCHITECT



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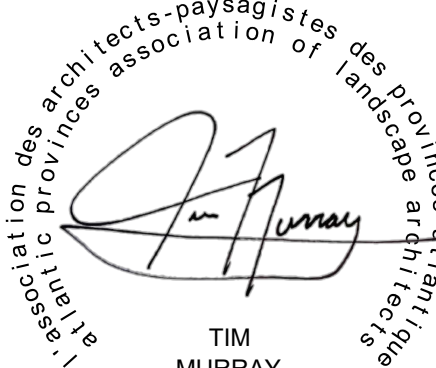
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AUTHORITY

ST. JOHN'S

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6 OF 7

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L106

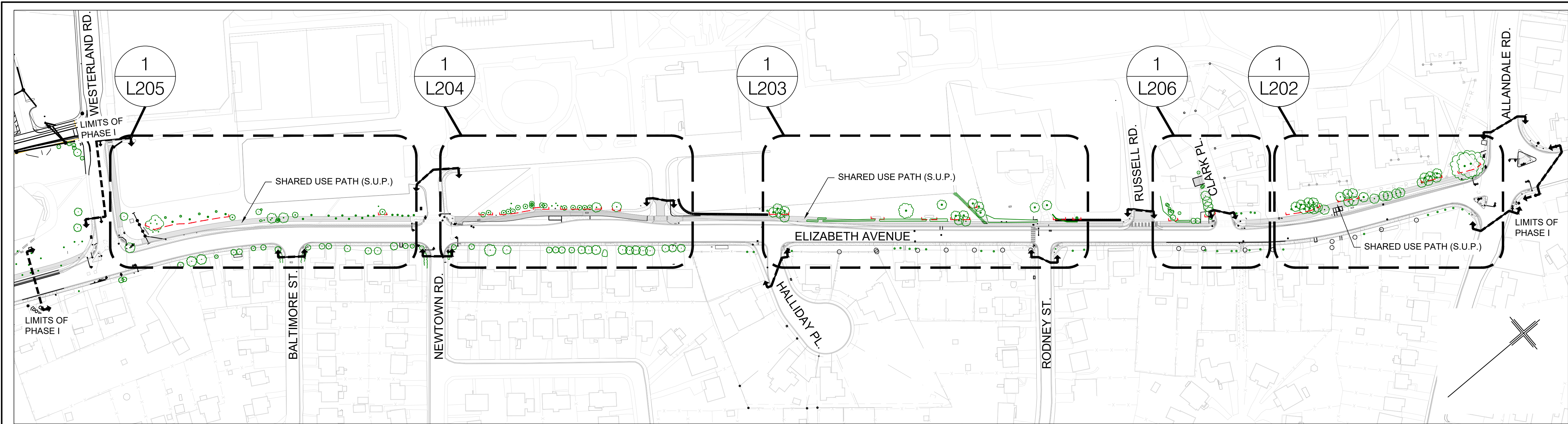
APPROVED BY

TM

PROJECT NUMBER

2020-124

APPROVED BY: TM PROJECT NUMBER: 2020-124



1 PHASE I - KEY MAP
L201 1:1250

DRAWING LIST:

- L201 — KEY PLAN AND GENERAL NOTES
- L202 — PRESERVATION PLAN AND TREE INVENTORY
- L203 — PRESERVATION PLAN AND TREE INVENTORY
- L204 — PRESERVATION PLAN AND TREE INVENTORY
- L205 — PRESERVATION PLAN AND TREE INVENTORY
- L206 — PRESERVATION PLAN AND TREE INVENTORY
- L207 — TREE PROTECTION FENCING AND SIGNAGE DETAILS

GENERAL CIVIL LEGEND

- PROPERTY BOUNDARY
- FENCE LINE
- EXISTING SANITARY PIPE
- EXISTING STORM PIPE
- NEW SANITARY PIPE
- NEW STORM PIPE
- EXISTING MANHOLE
- EXISTING CATCH BASIN
- EXISTING DCB
- NEW MANHOLE
- NEW CATCH BASIN
- NEW DCB
- WATERMAIN
- HYDRANT
- NEW HYDRANT
- VALVE
- TRAFFIC U/G CABLE
- BELL ALIANT U/G CABLE
- NL POWER U/G CABLE
- ROGERS U/G CABLE
- F.I.P.
- POLE LINE
- TRAFFIC POLE
- GUY WIRE
- JUNCTION BOX
- EXISTING SIGN
- RETAINING WALL
- SIDEWALK REMOVAL
- ASPHALT REMOVAL
- NEW SHARED USE PATH
- NEW CONCRETE
- NEW COLORED CONCRETE
- NEW GRASS/SOD
- WARNING SURFACE PLATES
- EXISTING TREES
- EX. TREELINE/SHRUBS
- EXISTING ELEVATION

PLANTING NOTES:

- ALL PLANT LOCATIONS TO BE APPROVED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- NOTICE TO BE GIVEN IN WRITING TO INFORM OWNER OR OWNER'S REPRESENTATIVE WHEN PLANT MATERIAL WILL BE DELIVERED TO SITE. ALL PLANT MATERIAL TO BE INSPECTED AND CONDITIONS DOCUMENTED BY OWNER OR OWNER'S REPRESENTATIVE FOR QUALITY AND HEALTH AND APPROVED BY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- ENSURE ADEQUATE PROTECTION AND IRRIGATION OF PLANT MATERIAL DURING TRANSIT AND ON SITE.
- THERE SHALL BE NO SUBSTITUTIONS OF PLANTS WITHOUT APPROVAL FROM OWNER OR OWNER'S REPRESENTATIVE.
- THE PLANTS IN THE PLANT LIST ARE SPECIFIED ACCORDING TO THE CANADIAN NURSERY LANDSCAPE ASSOCIATION STANDARDS FOR NURSERY STOCK. THE REQUIREMENTS OF THE CANADIAN STANDARDS FOR NURSERY STOCK, CURRENT EDITION, SHALL APPLY, EXCEPT AS AND WHERE MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- THE CONTRACTOR WILL WARRANT THAT PLANT MATERIAL AS ITEMIZED ON THE DRAWINGS WILL REMAIN FREE OF DEFECTS FOR ONE (1) FULL GROWING SEASONS (SPRING TO FALL).
END-OF-WARRANTY INSPECTION WILL BE CONDUCTED.
OWNER'S REPRESENTATIVE RESERVES THE RIGHT TO EXTEND CONTRACTOR'S WARRANTY RESPONSIBILITIES FOR AN ADDITIONAL GROWING SEASON IF, AT THE END OF INITIAL WARRANTY PERIOD, LEAF DEVELOPMENT AND GROWTH IS NOT SUFFICIENT TO ENSURE FUTURE SURVIVAL.
- MAINTENANCE DURING WARRANTY PERIOD:
WATER ONCE A WEEK FOR FIRST FOUR (4) WEEKS AND THEN SUFFICIENTLY THEREAFTER TO MAINTAIN OPTIMUM GROWING CONDITIONS. ENSURE ADEQUATE MOISTURE IN ROOT ZONE AT FREEZE-UP.
KEEP SOIL WITHIN CONFINES OF PLANTING SAUCER AROUND TREES AND PLANTING BEDS, SHALLOWLY CULTIVATED AND FREE FROM WEEDS.
KEEP TREE GUARDS AND GUY WIRES IN PROPER REPAIR.
PROVIDE ADEQUATE PROTECTION AGAINST WINTER DAMAGE, INCLUDING DAMAGE CAUSED BY RODENTS. WRAP EVERGREENS WITH BURLAP AND TIE DECIDUOUS SHRUBS TO PROTECT LIMBS.
MAINTAIN PLANT MATERIAL FROM DATE OF PLANTING UP TO END OF WARRANTY PERIOD.
REMOVE TRUNK WRAPPING, TREE STAKES, GUY WIRES AND EYEBOLTS AT END OF WARRANTY PERIOD.
- REPLACEMENT
DURING WARRANTY PERIOD, REMOVE FROM SITE ANY PLANT MATERIAL THAT HAS DRIED OR FAILED TO GROW SATISFACTORILY AS DETERMINED BY OWNER'S REPRESENTATIVE.
REPLACE PLANT MATERIAL IN NEXT PLANTING SEASON.
EXTEND WARRANTY FOR REPLACEMENT PLANT MATERIAL FOR A PERIOD EQUAL TO THE ORIGINAL WARRANTY PERIOD.
CONTINUE SUCH REPLACEMENT AND WARRANTY UNTIL PLANT MATERIAL IS ACCEPTABLE.

PLANTING SOIL NOTES:

- REMOVE DEBRIS, ROOTS, BRANCHES, STONES IN EXCESS OF 50mm DIAMETER AND OTHER DELETERIOUS MATERIALS.
- TRIPLE MIX PLANTING SOIL TO BE USED FOR ALL TREE AND SHRUB PLANTINGS.
- REFER TO PLANTING DETAILS ON SHEET L-05 FOR DEPTH AND WIDTH THAT PLANTING SOIL IS TO BE INSTALLED TO.

TOPSOIL NOTES:

- SCREENED TOPSOIL FOR ALL SEEDED AND SOD AREAS INSTALLED TO A MINIMUM DEPTH OF 150MM (6").

GENERAL CONSTRUCTION NOTES:

- DO NOT SCALE DRAWINGS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THE LANDSCAPE ARCHITECT SHALL BE INFORMED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THE DRAWINGS PRIOR TO CONTINUING WITH THE WORK.
- ALL WORKMANSHIP TO CONFORM WITH THE CITY OF ST. JOHN'S STANDARDS AND THE CANADIAN LANDSCAPE STANDARD – SECTION 3. SITE PREPARATION AND PROTECTION.
- ALL DRAWINGS TO BE READ IN CONJUNCTION WITH PROJECT SPECIFICATIONS.
- THE CONTRACTOR SHALL ENSURE ANY MUD TRACKING OFFSITE FROM VEHICLES LEAVING THE CONSTRUCTION SITE IS REMOVED AND CLEANED AT NO ADDITIONAL COST.
- THE CONTRACTOR WILL ARRANGE AND PAY FOR ALL STAKEOUTS TO LOCATE ALL EXISTING BURIED SERVICES. HAND DIG WITHIN 2 METERS OF ALL SERVICES ON ALL SIDES TO ALLOW ACCESS TO SERVICES.
- THE CONTRACTOR WILL CLEAN AND REINSTATE ALL AREAS AFFECTED BY WORKS OUTSIDE OF THE CONSTRUCTION ZONES TO CONDITIONS THAT EXISTED BEFORE CONSTRUCTION OR BETTER AND TO THE SATISFACTION OF THE CONSULTANT AND AT THE EXPENSE OF THE CONTRACTOR.

TREE AND SHRUB TRANSPLANTING:

- ALL WORK TO BE COMPLETED AS PER THE CANADIAN LANDSCAPING STANDARD, SECTION 3.2.5 FOR RELOCATING OF EXISTING ELEMENTS.
- WATER TRANSPLANTED TREES AND SHRUBS TWICE WEEKLY AT A MINIMUM FOR 4 WEEKS AFTER MOVING.

REFERENCE DRAWINGS:

- SEE CITY OF ST. JOHN'S CIVIL DRAWINGS FOR PHASE 1 SHARED USE PATH LAYOUT AND ROAD UPGRADES.
- FOR TREE PRESERVATION PLAN AND TREE INVENTORY, SEE L100 SERIES DRAWINGS AND ARBORIST REPORT.

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LANDSCAPE LEGEND:

- PROPOSED DECIDUOUS TREES. SEE DETAIL 2 ON L207.
- EXISTING TREES
- EXISTING TREES TO BE TRANSPLANTED
- PROPOSED SHRUBS. SEE DETAIL 1 ON L207
- EXISTING SHRUBS
- EXISTING SHRUBS TO BE TRANSPLANTED.
- TRANSPLANTED SHRUBS. SEE DETAIL 1 ON L207

LANDSCAPE ARCHITECT

MURRAY'S

MURRAY'S LANDSCAPE SERVICES

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WWW.MURRAYSGARDENS.COM

STAMP

TIM MURRAY

06/19/23	ISSUED FOR TENDER	3
06/02/23	ISSUED FOR REVIEW	2
05/23/23	ISSUED FOR REVIEW	1
DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE 1

SHEET TITLE

KEY PLAN
AND
GENERAL NOTES

AUTHORITY

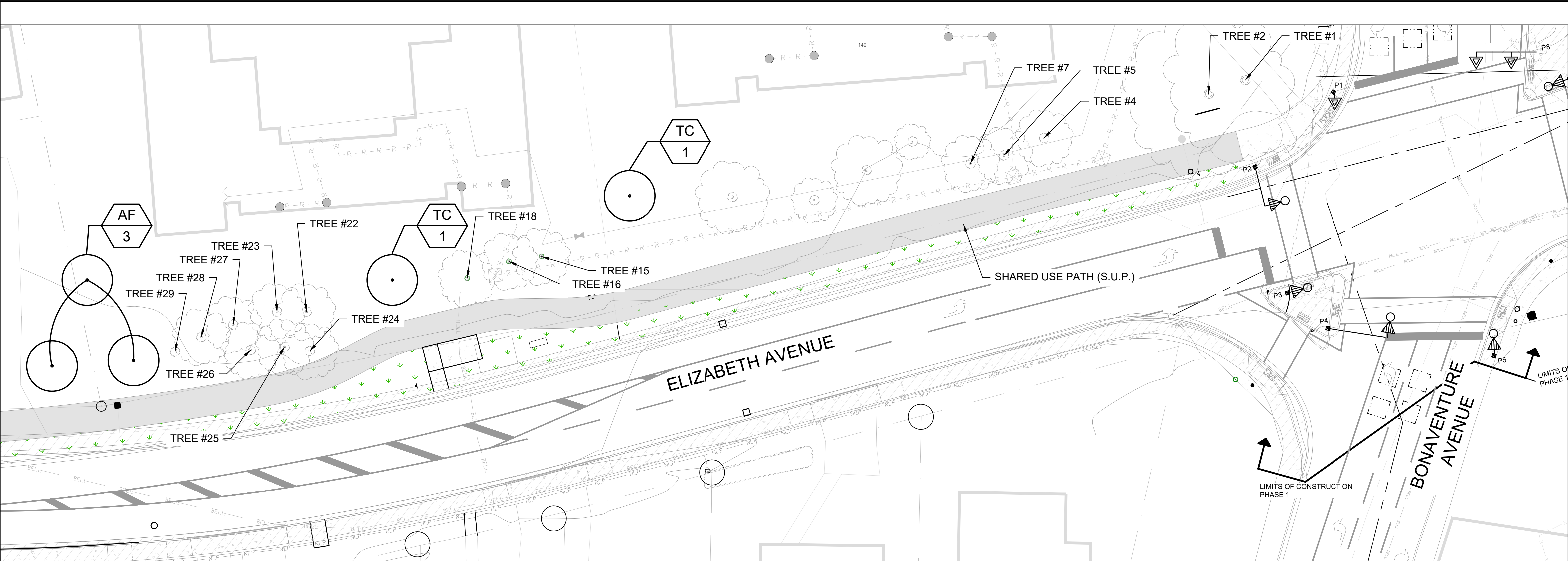
ST. JOHN'S

SCALE AS-SHOWN	DATE APR. 2023
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DRAWN BY AM	SHEET 1 OF 7
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CHECKED BY TM	DRAWING NUMBER L201
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APPROVED BY TM	PROJECT NUMBER 2020-124
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1 PHASE I - TREES 1 TO 29
L202 1:250

Tree Planting List					
Tag Symbol	Quantity	Botanical Name	Common Name	SIZE (mm)	NOTES
AF	3	ACER FREMANII	AUTUMN BLAZE MAPLE	50	WIRE BASKET
TC	2	TILIA CORDATA	GREENSPIRE LINDEN	50	WIRE BASKET

DO NOT SCALE FROM PRINT

- LANDSCAPE LEGEND:
- PROPOSED DECIDUOUS TREES. SEE DETAIL 2 ON L207.
 - EXISTING TREES
 - EXISTING TREES TO BE TRANSPLANTED
 - PROPOSED SHRUBS. SEE DETAIL 1 ON L207
 - EXISTING SHRUBS
 - EXISTING SHRUBS TO BE TRANSPLANTED.
 - TRANSPLANTED SHRUBS. SEE DETAIL 1 ON L207

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05/23/23	ISSUED FOR REVIEW	1
DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE 1

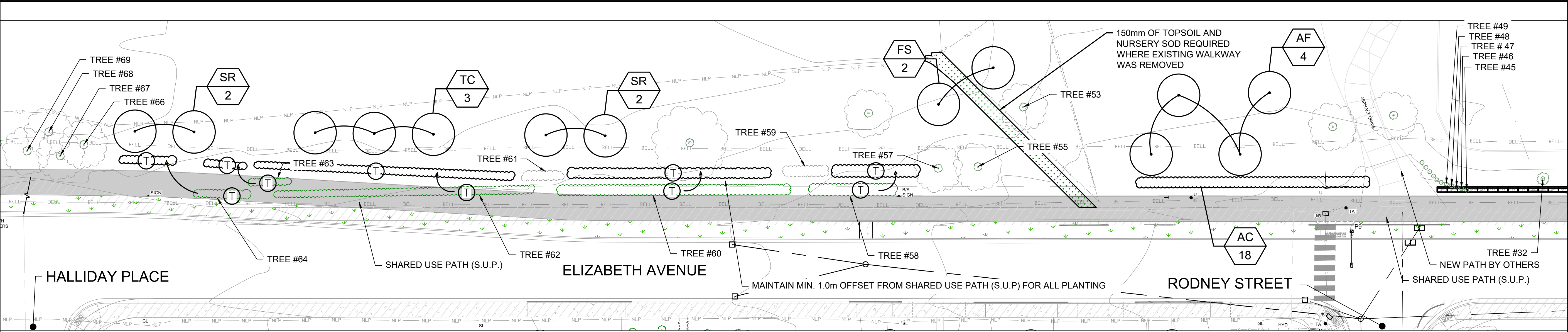
SHEET TITLE

TREE LOCATION
AND
PLANTING PLAN

AUTHORITY

ST. JOHN'S

SCALE	AS-SHOWN	DATE	APR. 2023
DRAWN BY	AM	SHEET	2 OF 7
CHECKED BY	TM	DRAWING NUMBER	L202
APPROVED BY	TM	PROJECT NUMBER	2020-124



1 PHASE I - TREES 30 TO 69
L203 1:250

Tree Planting List					
Tag Symbol	Quantity	Botanical Name	Common Name	SIZE (cm)	NOTES
AC	18	AMELANCHIER CANADENSIS	SERVICEBERRY	#3	PLANT 1.0 m ON CENTER OF EACH OTHER
AH	2	AESCULUS HIPPOCASTANUM	COMMON HORSE CHESTNUT	50	WIRE BASKET
AF	4	ACER FREMANII	AUTUMN BLAZE MAPLE	50	WIRE BASKET
FS	2	FAGUS SYLVATICA	EUROPEAN BEECH	50	WIRE BASKET
SR	4	SYRINGA RETICULATA	IVORY SILK	50	WIRE BASKET
TC	3	TILIA CORDATA	GREENSPIRE LINDEN	50	WIRE BASKET

DO NOT SCALE FROM PRINT

- LANDSCAPE LEGEND:
- PROPOSED DECIDUOUS TREES. SEE DETAIL 2 ON L207.
 - EXISTING TREES
 - EXISTING TREES TO BE TRANSPLANTED
 - PROPOSED SHRUBS. SEE DETAIL 1 ON L207
 - EXISTING SHRUBS
 - EXISTING SHRUBS TO BE TRANSPLANTED.
 - TRANSPLANTED SHRUBS. SEE DETAIL 1 ON L207
 - PROPOSED TOPSOIL AND SOD

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DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
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PHASE 1

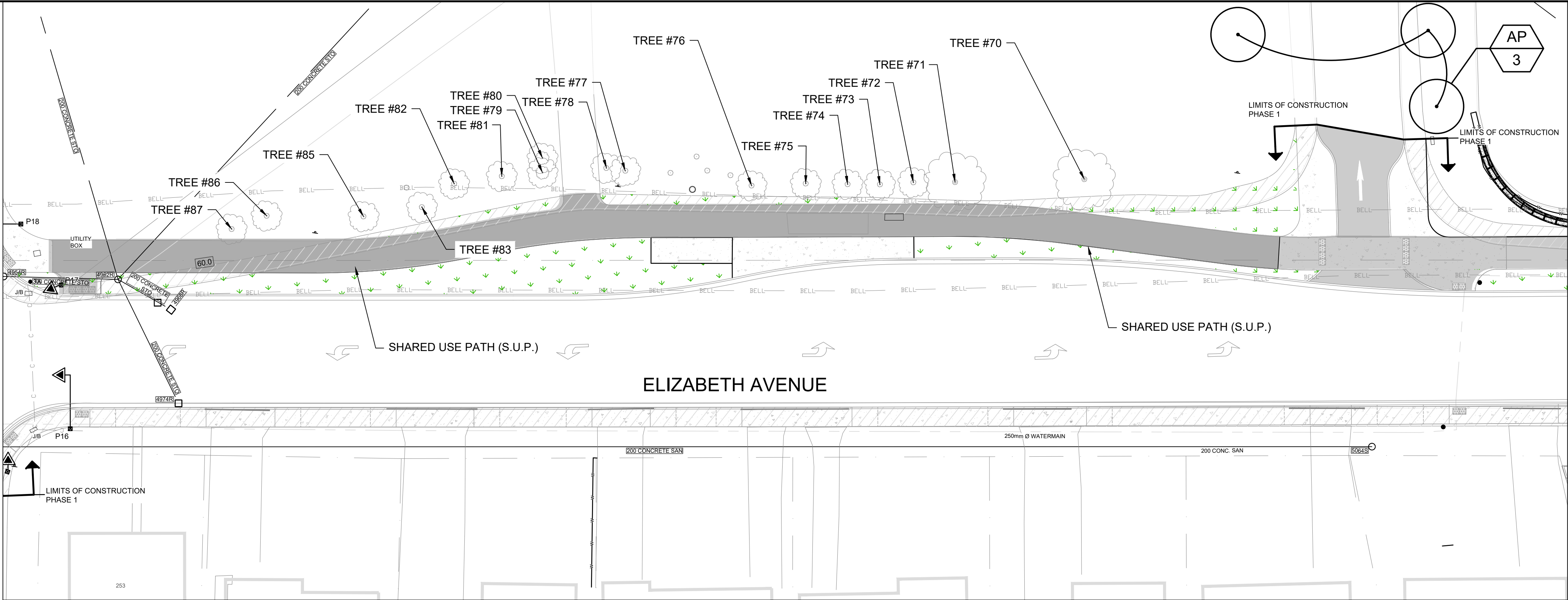
SHEET TITLE

TREE LOCATION
AND
PLANTING PLAN

AUTHORITY

ST. JOHN'S

SCALE	AS-SHOWN	DATE	APR. 2023
DRAWN BY	AM	SHEET	3 OF 7
CHECKED BY	TM	DRAWING NUMBER	L203
APPROVED BY	TM	PROJECT NUMBER	2020-124



1 PHASE I - TREES 70 TO 87
L204 1:250

Tree Planting List					
Tag Symbol	Quantity	Botanical Name	Common Name	SIZE (cm)	NOTES
AP	3	ACER PLATANOIDES	DEBORAH MAPLE	50	WIRE BASKET

DO NOT SCALE FROM PRINT

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 - EXISTING TREES
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 - TRANSPLANTED SHRUBS. SEE DETAIL 1 ON L207

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DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
SHARED-USE-PATH
PHASE 1

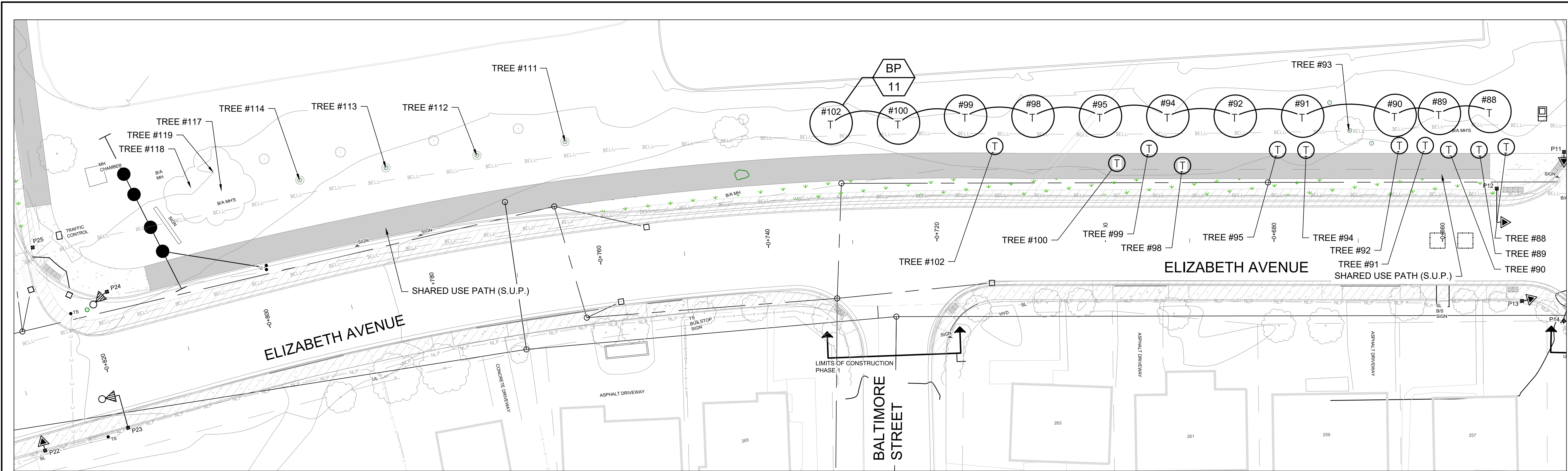
SHEET TITLE

TREE LOCATION
AND
PLANTING PLAN

AUTHORITY

ST. JOHN'S

SCALE	DATE
AS-SHOWN	APR. 2023
DRAWN BY	SHEET
AM	4 OF 7
CHECKED BY	DRAWING NUMBER
TM	L204
APPROVED BY	PROJECT NUMBER
TM	2020-124



1 PHASE I - TREES 88 TO 121
L205 1:250

Tree Planting List					
Tag Symbol	Quantity	Botanical Name	Common Name	SIZE (cm)	NOTES
BP	11	BETULA PAPYRIFERA	PAPER BARK BIRCH	N/A	TRANSPLANT LOCATIONS TO BE CONFIRMED ON SITE

DO NOT SCALE FROM PRINT

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 - EXISTING TREES
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05/23/23	ISSUED FOR REVIEW	1
DATE	REVISION	NO.

PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
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PHASE 1

SHEET TITLE

TREE LOCATION
AND
PLANTING PLAN

AUTHORITY

ST. JOHN'S

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DATE

APR. 2023

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5 OF 7

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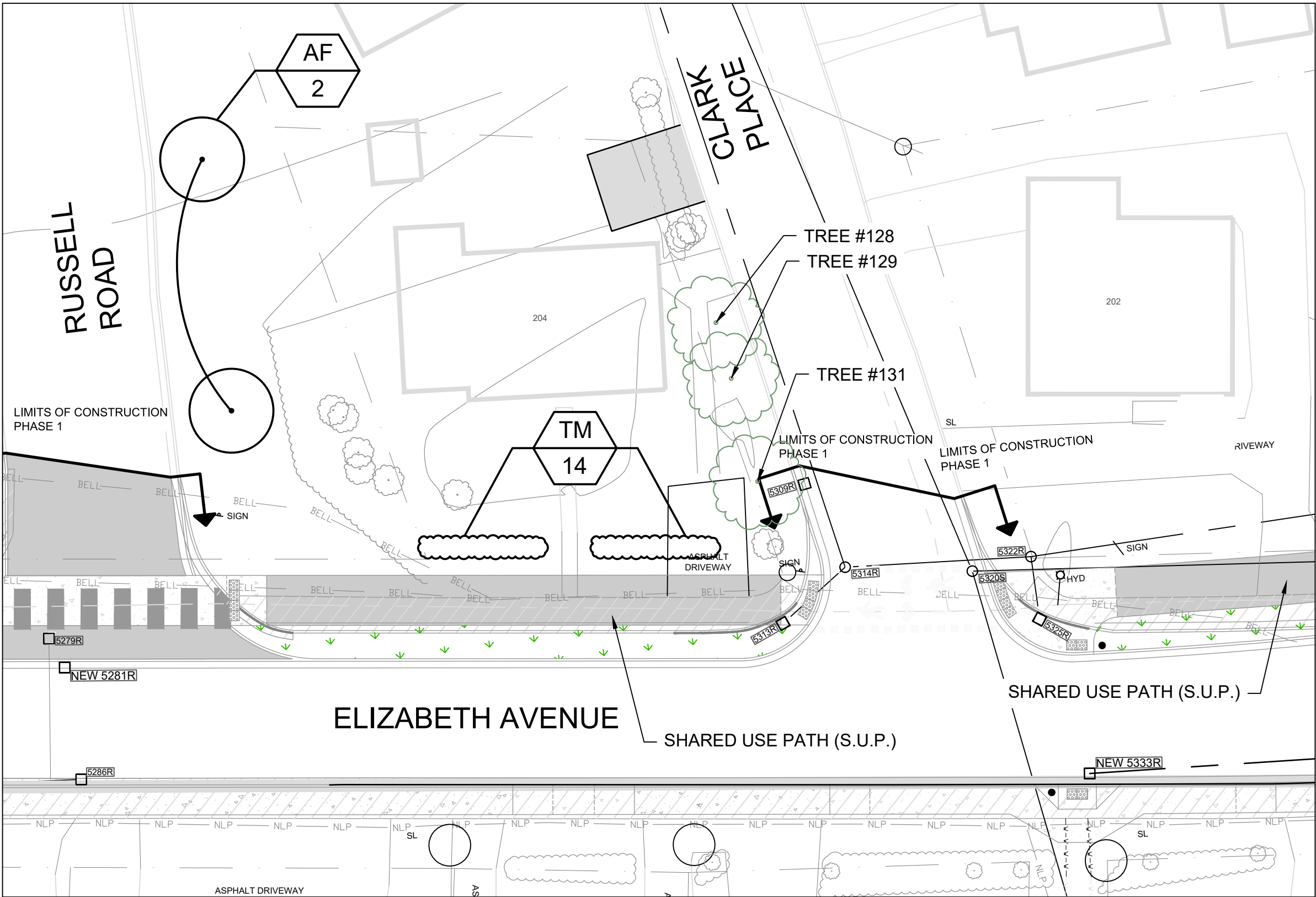
L205

APPROVED BY

TM

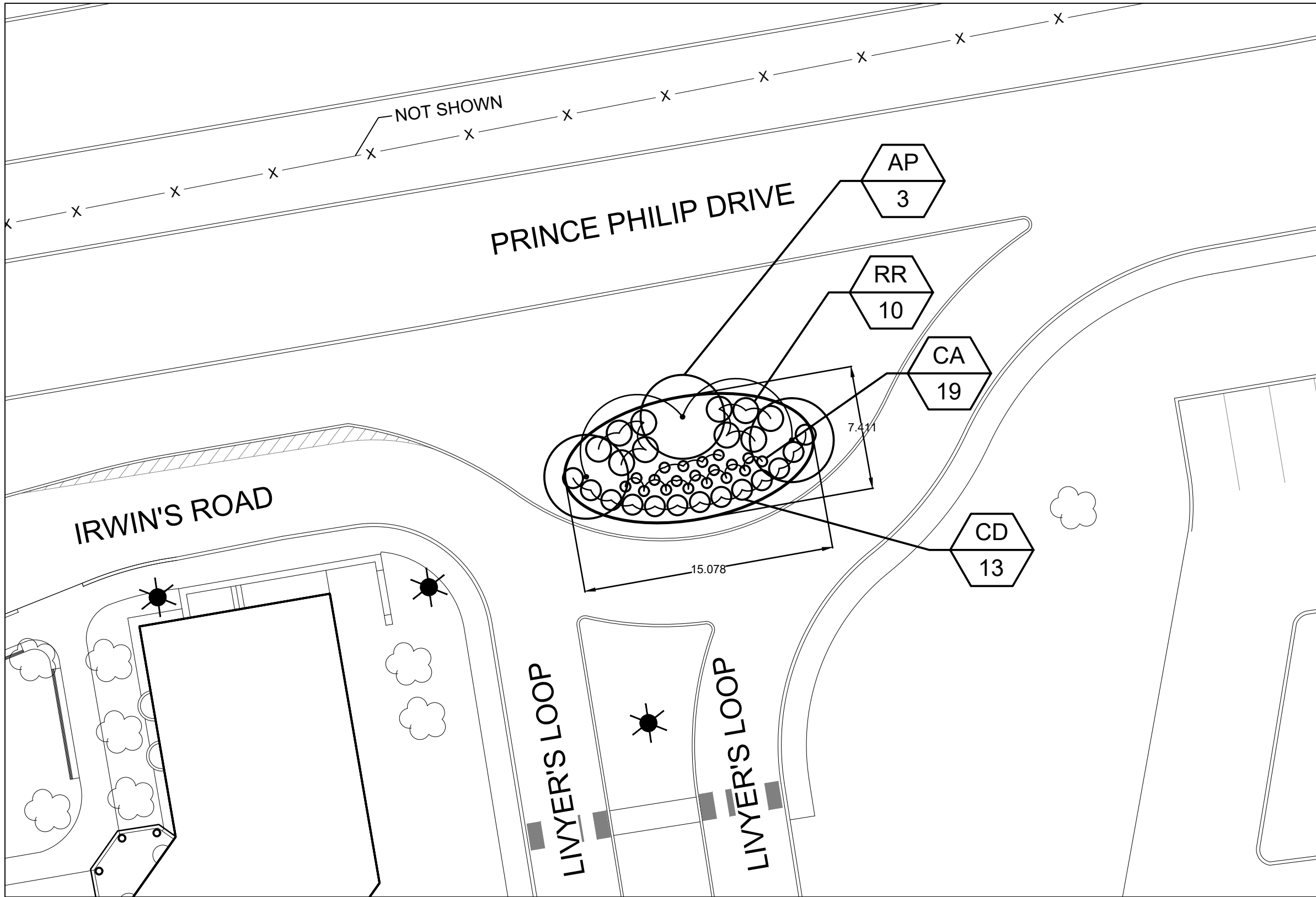
PROJECT NUMBER

2020-124



1 PHASE I - TREES 128 TO 136
L206 1:250

Tree Planting List					
Tag Symbol	Quantity	Botanical Name	Common Name	SIZE	NOTES
AF	2	ACER FREMANII	AUTUMN BLAZE MAPLE	50mm	WIRE BASKET
TM	14	TAXUS MEDIA 'HICKSII'	HICKSII YEW	2G	PLANT 1.0m o.c.



2 PHASE I - ADDITIONAL TREES
L206 1:250

Tree Planting List					
Tag Symbol	Quantity	Botanical Name	Common Name	SIZE	NOTES
AP	3	ACER PLATANOIDES	DEBORAH MAPLE	50mm	WIRE BASKET
RR	10	ROSA 'RUGOSA'	ROSE	2G	PLANT 1.0m o.c.
CA	19	CALAMAGROSTIS x ACUTIFLORA	KARL FOERSTER	2G	PLANT 1.0m o.c.
CD	13	COTONEASTER DAMMERI	BEARBERRY COTONEASTER	2G	PLANT 1.0m o.c.

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PROJECT

ELIZABETH AVENUE
RECONSTRUCTION AND
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PHASE 1

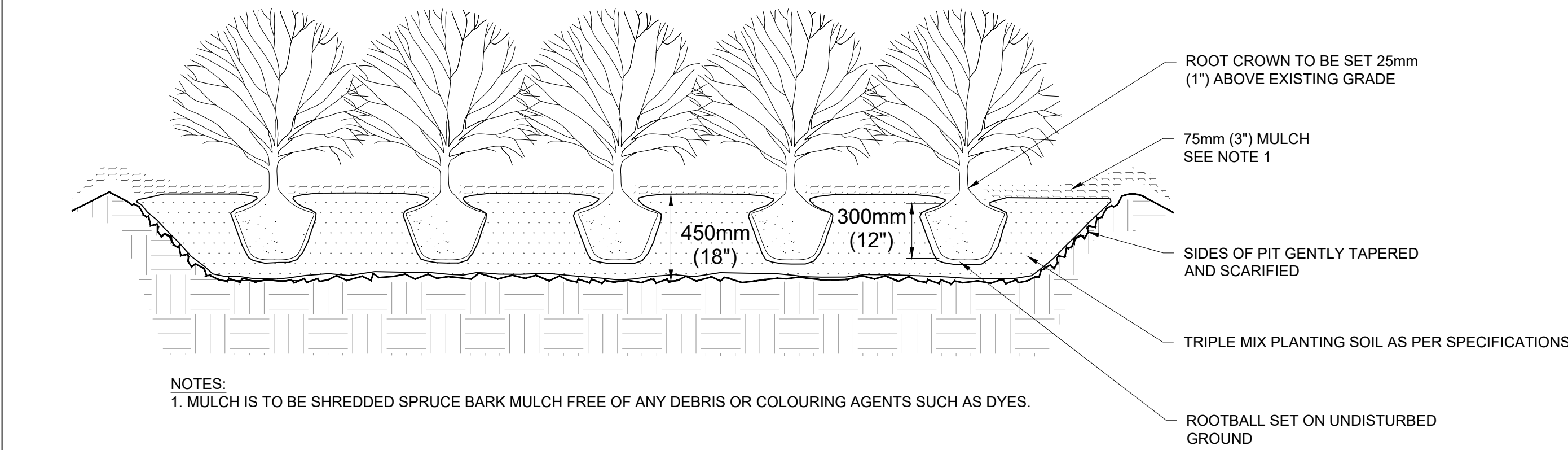
SHEET TITLE

TREE LOCATION
AND
PLANTING PLAN

AUTHORITY

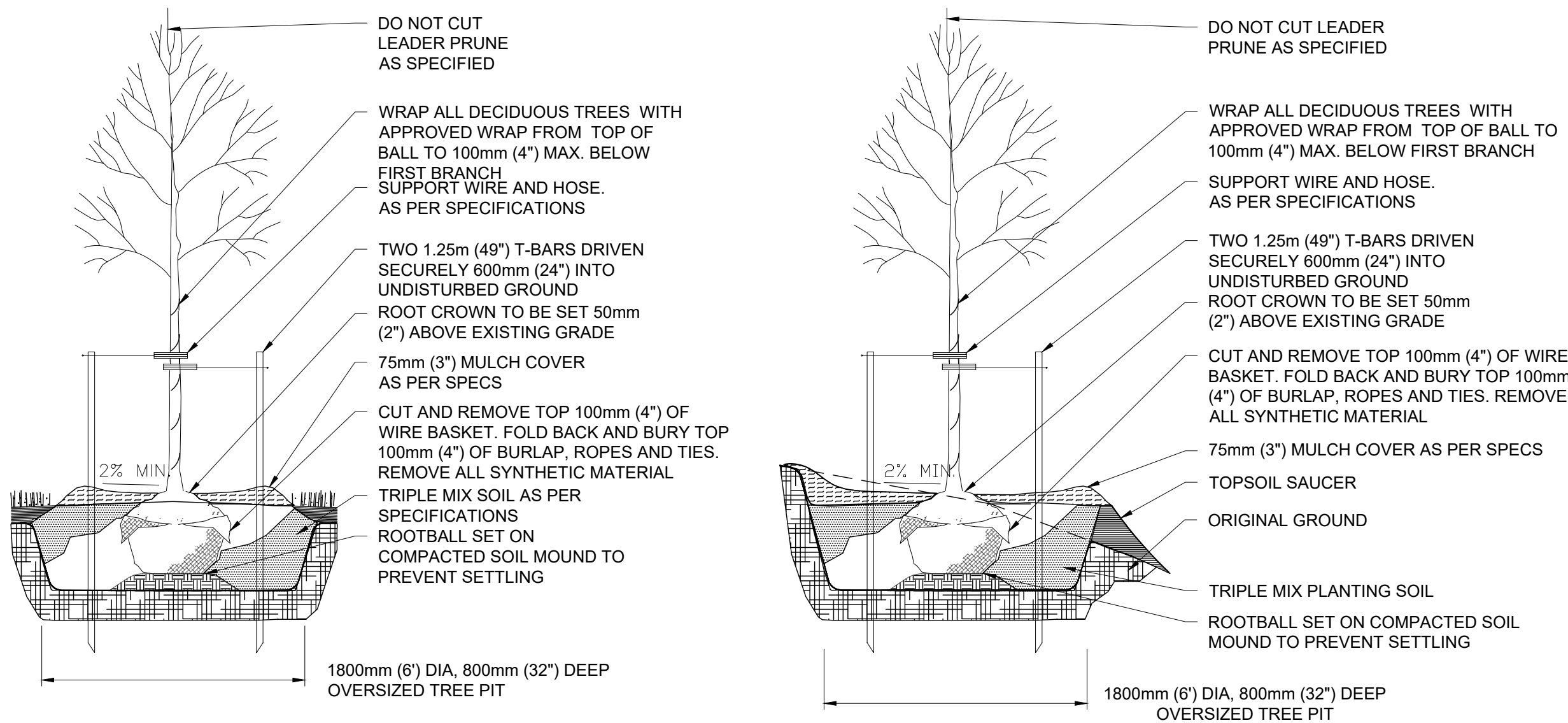
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SCALE	DATE
AS-SHOWN	APR. 2023
DRAWN BY	SHEET
AM	6 OF 7
CHECKED BY	DRAWING NUMBER
TM	L206
APPROVED BY	PROJECT NUMBER
TM	2020-124



NOTES:
1. MULCH IS TO BE SHREDDED SPRUCE BARK MULCH FREE OF ANY DEBRIS OR COLOURING AGENTS SUCH AS DYES.

1 CONTINUOUS SHRUB PLANTING DETAIL
L207 N.T.S.



2 DECIDUOUS TREE PLANTING DETAIL
L207 N.T.S.

DO NOT SCALE FROM PRINT

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RECONSTRUCTION AND
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PHASE 1

SHEET TITLE

TREE AND SHRUB
PLANTING DETAILS

AUTHORITY

ST. JOHN'S

SCALE

AS-SHOWN

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APR. 2023

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