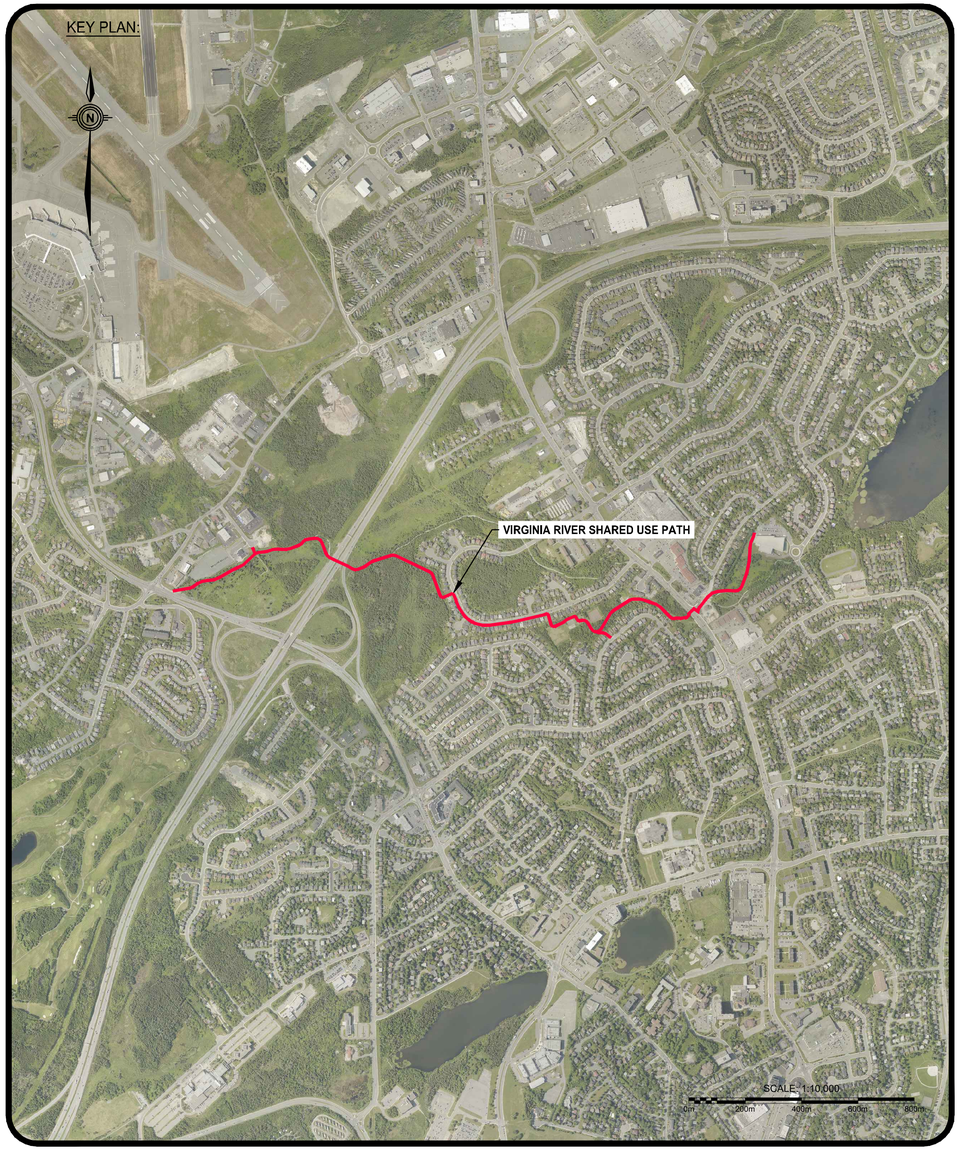
ST. JOHN'S

DEPARTMENT OF PLANNING, ENGINEERING AND REGULATORY SERVICES

KEY PLAN:



VIRGINIA RIVER SHARED USE PATH

PE P.N. 24009 TENDER # 2025112 **MAY 2024**

LIST OF DRAWINGS:

CIVIL

C01 - LOCATION PLAN
C02 - LEGEND
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C04 - PLAN AND PROFILE STA. 0+350 TO STA. 0+710
C05 - PLAN AND PROFILE STA. 0+710 TO STA. 1+050
C06 - PLAN AND PROFILE STA. 1+050 TO STA. 1+400
C07 - PLAN AND PROFILE STA. 1+400 TO STA. 1+750
C08 - PLAN AND PROFILE STA. 1+750 TO STA. 2+100
C09 - PLAN AND PROFILE STA. 2+100 TO STA. 2+450
C10 - PLAN AND PROFILE STA. 2+450 TO END
C11 - LINE PAINTING & SIGNAGE PLAN - 01
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C15 - PLAN AND PROFILE: INTERNATIONAL PLACE CONNECTOR PATH
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C17 - CROSSING PLAN - PENNEY CRESCENT & SLADE PLACE
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C19 - CROSSING PLAN - TORBAY ROAD
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L03 - LANDSCAPE PLAN STA. 0+720 TO STA. 1+050
L04 - LANDSCAPE PLAN STA. 1+050 TO STA. 1+400
L05 - LANDSCAPE PLAN STA. 1+400 TO STA. 1+750
L06 - LANDSCAPE PLAN STA. 1+750 TO STA. 2+100
L07 - LANDSCAPE PLAN STA. 2+100 TO STA. 2+450
L08 - LANDSCAPE PLAN STA. 2+450 TO END
L09 - LANDSCAPE DETAILS
L10 - LANDSCAPE DETAILS
L11 - LANDSCAPE DETAILS
L12 - LANDSCAPE DETAILS
L13 - LANDSCAPE DETAILS

ELECTRICAL

E01 - ELECTRICAL DETAILS
E02 - ELECTRICAL LAYOUT STA. 0+000 TO STA. 0+350
E03 - ELECTRICAL LAYOUT STA. 0+350 TO STA. 0+710
E04 - ELECTRICAL LAYOUT STA. 0+710 TO STA. 1+050
E05 - ELECTRICAL LAYOUT STA. 1+050 TO STA. 1+400
E06 - ELECTRICAL LAYOUT STA. 1+400 TO STA. 1+750
E07 - ELECTRICAL LAYOUT STA. 1+750 TO STA. 2+100
E08 - ELECTRICAL LAYOUT STA. 2+100 TO STA. 2+450
E09 - ELECTRICAL LAYOUT STA. 2+450 TO END
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E11 - ELECTRICAL SPECIFICATIONS PAGE 2

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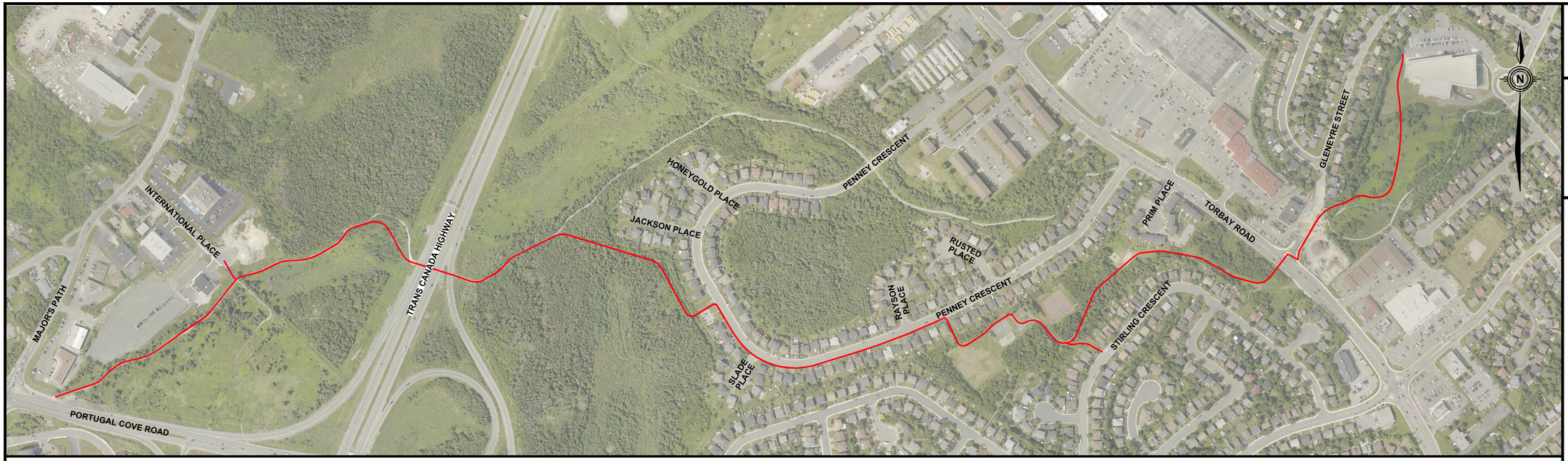

GENERAL NOTES:

1. ALL WORK TO BE PERFORMED IN ACCORDANCE WITH THE CITY OF ST. JOHN'S SPECIFICATIONS BOOK.
2. TOPOGRAPHIC SURVEY COMPLETED BY PARDY SURVEYS AS OF MAY 2024
3. AERIAL IMAGERY SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY AND MAY NOT REFLECT CURRENT EXISTING SITE CONDITIONS.
4. ALL MEASUREMENTS ARE HORIZONTAL GROUND DISTANCES IN METRES AND REFERENCED TO NAD83 DATUM.
5. LEGAL SURVEYOR TO ESTABLISH TBM'S.
6. CONTRACTOR RESPONSIBLE TO SECURE SITE DURING CONSTRUCTION FOR PUBLIC SAFETY.
7. DO NOT SCALE FROM DRAWINGS.
8. THE CONTRACTOR SHALL SUBMIT A COMPLETE TRAFFIC CONTROL PLAN FOR CITY REVIEW AND APPROVAL. NO WORK SHALL PROCEED WITHOUT AN APPROVED PLAN. ANY AMENDMENTS TO THE APPROVED PLAN SHALL REQUIRE CITY'S APPROVAL.
9. CONTRACTOR TO PROVIDE ENGINEERS SITE OFFICE IN ACCORDANCE WITH CITY OF ST. JOHN'S SPECIFICATIONS BOOK. LOCATION SUBJECT TO APPROVAL OF CITY.
10. ABSOLUTELY NO SHREDDING IS ALLOWED DURING CLEARING OPERATIONS.
11. ABSOLUTELY NO CLEARING ACTIVITIES INCLUDING EQUIPMENT SHALL BE PERMITTED BEYOND WORK AREA AND ON PRIVATE PROPERTY.
12. THE CONTRACTOR SHALL NOT REMOVE OR DAMAGE ANY TREES OR ROOTS WITHOUT PRIOR APPROVAL FROM PARKS & OPEN SPACES DIVISION.
13. REFER TO SOILS REPORT FOR EARTHWORKS REQUIREMENTS AND SUB-GRADE PREPARATION.

EROSION AND SEDIMENT CONTROL NOTES:

14. ALL EROSION & SEDIMENTATION CONTROL TO BE IN ACCORDANCE WITH "DIVISION 9: ENVIRONMENTAL REQUIREMENTS" OF THE CITY OF ST. JOHN'S SPECIFICATIONS BOOK.
15. CONTRACTOR SHALL ENSURE DUST DOES NOT BECOME A PROBLEM FOR ADJACENT PROPERTY OWNERS, CONSTRUCTION SITE PERSONNEL OR A HAZARD TO VEHICULAR TRAFFIC. WHEN REQUIRED, OR AS DIRECTED BY THE ENGINEER, WATER OR AN ACCEPTABLE DUST SUPPRESSANT SUCH AS CALCIUM CHLORIDE SHALL BE USED BY THE CONTRACTOR ON HAUL ROUTES OR OTHER LOCATIONS ON THE PROJECT TO CONTROL DUST.
16. CONTRACTOR SHALL INSTALL & MAINTAIN ALL SILT FENCING.
17. CONTRACTOR SHALL TAKE NECESSARY MEASURES (I.E. TEMPORARY DITCHING/DIVERSIONS, ETC) TO CONTROL/DIRECT SITE WATER OR OVERLAND DRAINAGE AS REQUIRED.
18. COST OF EROSION & SEDIMENT CONTROL IS INCIDENTAL TO THE CONTRACT.

SITE GRADING NOTES:

19. CONTRACTOR TO VERIFY ALL DIMENSIONS AND ELEVATIONS ON SITE BEFORE PROCEEDING WITH THIS WORK.
20. ALL DISTURBED AREAS BEYOND LIMITS OF WORK TO BE RESTORED TO ORIGINAL CONDITIONS OR BETTER.
21. ALL DEMOLISHED ASPHALT, MISCELLANEOUS CONCRETE, PIPE AND OTHER UNSUITABLE MATERIALS MUST BE REMOVED FROM SITE AND LEGALLY DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL PAYMENT SHALL BE MADE.
22. CONTRACTOR TO PROVIDE CONSTRUCTION METHODS TO SUIT LOCAL SOIL CONDITIONS & THAT WILL NOT WEAKEN SUBGRADE. RECTIFY DEFICIENCIES IN SUBGRADE CAUSED BY CONSTRUCTION OPERATIONS TO SATISFACTION OF ENGINEER.
23. MINIMUM FINISHED SLOPE OF LANDSCAPED AREAS TO BE 2.00%.
24. ALL EXISTING GRANULAR PATHWAYS IDENTIFIED TO BE MAINTAINED, ARE TO BE GRADED TO MATCH THE SHARED-USE PATH GEOMETRY, UNLESS OTHERWISE NOTED AT THE DIRECTION OF THE ENGINEER. SEE GRANULAR WALK STD. DWG. 10-530-03 FOR REQUIREMENTS.
25. ALL EXISTING GRANULAR DRIVEWAYS IDENTIFIED TO BE MAINTAINED, ARE TO BE GRADED TO MATCH THE SHARED-USE PATH GEOMETRY AND ARE TO RECEIVE A MIN. 150mm OF CLASS 'A' GRANULAR BASE, UNLESS OTHERWISE NOTED AT THE DIRECTION OF THE ENGINEER.
26. ALL EXISTING PAVED DRIVEWAYS IMPACTED BY THE SHARED-USE PATH ARE TO BE GRADED TO MATCH THE SHARED-USE PATH GEOMETRY AND ARE TO RECEIVE A MIN. 80mm OF ASPHALT ENSURING POSITIVE DRAINAGE AT THE DIRECTION OF THE ENGINEER.
27. ALL AREAS IDENTIFIED FOR GRADING AND LANDSCAPE RECLAMATION SHALL RECEIVE A MIN. 150mm OF TOPSOIL AND SOD.
28. INSTALL GRANULARS, ASPHALT, AND CURB & GUTTER IN ACCORDANCE WITH CITY OF ST. JOHN'S SPECIFICATIONS BOOK. REMOVE LEDGE ROCK 300mm BELOW SUBGRADE. CONTRACTOR MUST SEEK APPROVAL PRIOR TO ROCK REMOVAL.

SITE SERVICING NOTES:

29. CONTRACTOR RESPONSIBLE FOR LOCATING EXISTING UNDERGROUND INFRASTRUCTURE AND CONFIRMING PIPE SIZES, & INVERT ELEVATIONS (I.E. WATERMAIN, STORM SEWERS, TELEPHONE, CABLE, POWER LINES, FIBREOPTIC LINES, ETC.) BEFORE PROCEEDING WITH THIS WORK. ADVISE ENGINEER OF ANY DISCREPENCIES (COST INCIDENTAL TO CONTRACT).
30. CONTRACTOR TO ADVISE ALL HOMES CURRENTLY SERVICED WITH WATER AND SEWER IF THEIR SERVICES ARE TO BE DISRUPTED. THE WORK IS TO BE SCHEDULED, COORDINATED AND METHODS USED TO MINIMIZE DISRUPTION TO THESE SERVICES.
31. ACTIVE MUNICIPAL INFRASTRUCTURE AND UTILITY SERVICES ARE LOCATED WITHIN THE AREAS OF WORK. THE LOCATION SHOWN FOR ALL UNDERGROUND UTILITIES, SERVICES AND STRUCTURES IS APPROXIMATE AND MAY NOT BE COMPLETE. CITY ASSUMES NO RESPONSIBILITY FOR ACCURACY OR COMPLETENESS OF INFORMATION AS SHOWN. CONTRACTOR SHALL CONDUCT OWN PRE-ASSESSMENT TO IDENTIFY AND LOCATE ALL UNDERGROUND UTILITIES WHICH MAY IMPACT WORK. ALL DIMENSIONS, PIPE SIZES AND INVERT ELEVATIONS OF EXISTING INFRASTRUCTURE TO BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION. NOTIFY ENGINEER OF ANY DISCREPANCIES.
32. CONTRACTOR SHALL VERIFY WITH CITY ENVIRONMENTAL SERVICES THAT ALL VALVES THAT MAY BE NEEDED IN THE EVENT OF PLANNING WORK OR CONTINGENCY ACTIVITIES (SUCH AS ACCIDENTAL DAMAGE) ARE LOCATED AND FUNCTIONED IN SUFFICIENT TIME BEFORE START OF CONSTRUCTION TO ALLOW FOR TIME FOR REMEDIATION OF VALVES IF NECESSARY. ANY DELAYS DURING CONSTRUCTION DUE TO FAILING TO COMPLETE SUCH VERIFICATION IN ADVANCE WILL BE CONTRACTORS ACCOUNT.
33. EX. WATERMAINS SHOWN IN APPROXIMATE LOCATION ONLY. CONTRACTOR TO USE CAUTION WHEN DIGGING IN AREAS OF EX. WATERMAINS. ANY DAMAGE TO EX. INFRASTRUCTURE MUST BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
34. CONTRACTOR TO PROVIDE SHOP DRAWINGS OF ALL MANHOLES, CATCH BASINS, DITCH INLETS, RETAINING WALLS, HANDRAILS, CHAINLINK FENCES, TIMBER FENCES, CULVERTS AND FOUNDATIONS. SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL.
35. ALL CB AND D/CB LEADS TO BE 300mm MIN. Ø PVC (SDR35) @ 2.00% MIN. UNLESS OTHERWISE NOTED.
36. ALL MANHOLE FRAMES, COVERS AND VALVE BOX COVERS ON STREETS TO BE PAVED OR RESURFACED SHALL BE RAISED TO FINISHED ROAD GRADE.
37. ALL WORK ON EX. WATERMAINS (INCLUDING OPERATION OF VALVES) TO BE PERFORMED BY CITY OF ST. JOHN'S FORCES, CONTRACTOR REQUIRED TO COORDINATE. CONTRACTOR RESPONSIBLE FOR RELOCATING HYDRANTS.
38. ALL HYDRANT LEADS TO BE FULLY RESTRAINED TO THE MAIN.
39. BED WATERMAIN, SANITARY & STORM SEWERS IN CLASS 'B' BEDDING OR 40mm STONE.
40. CONSTRUCT, TEST AND INSPECT WATERMAINS, SANITARY & STORM SEWERS IN ACCORDANCE WITH CITY OF ST. JOHN'S SPECIFICATIONS BOOK.
41. PROVIDE FROST PROTECTION ON WATER SERVICES CROSSING OVER ANY STORM SEWERS. LOCATION, THICKNESS AND LENGTH OF FROST PROTECTION TO BE DETERMINED IN FIELD.
42. EXISTING CATCH BASINS LEFT IN PLACE TO BE CLEANED, ALL DEBRIS REMOVED, AND REPAIRED IF NECESSARY PRIOR TO INSTALLING NEW CATCH BASIN LEADS. THIS WORK IS INCIDENTAL TO THE CONTRACT.
43. ALL CATCH BASINS WITHIN WORK AREA SHALL BE COVERED WITH FILTER FABRIC DURING CONSTRUCTION.
44. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL PROVIDE ENGINEER WITH A COMPLETE SET OF AS-BUILT DRAWINGS AS PER THE TECHNICAL REQUIREMENTS OF THE CONTRACT DOCUMENTS.
45. CONTRACTOR TO PROVIDE PIPE SUPPORT DETAILS FOR APPROVAL PRIOR TO EXCAVATION AT CROSSINGS.
46. CONTRACTOR TO COORDINATE WITH ALL UTILITY OWNERS PRIOR TO PROCEEDING WITH THE WORK. CONTRACTOR SHALL USE CAUTION TO LOCATE EXISTING UNDERGROUND UTILITIES AND PROTECT ALL UTILITIES DURING CONSTRUCTION. ANY COSTS ASSOCIATED WITH EXCAVATION AROUND EXISTING UTILITY OWNERS INFRASTRUCTURE AND PIPE SUPPORT TO BE CONSIDERED INCIDENTAL TO CONTRACT.
47. CONTRACTOR TO COORDINATE TIMING OF WORK WITH NL POWER FOR RELOCATION OF EX. POLES / GUY WIRES AND INSTALLATION OF NEW INFRASTRUCTURE. CONTRACTOR TO INSTALL NEW UNDERGROUND ELECTRICAL LINES. PRIOR TO BACKFILLING, ARRANGE WITH NL POWER TO COMPLETE INSPECTION OF CONDUIT.

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NOTES

NO.	REVISIONS	DD/MM/YY
B	ISSUED FOR CONSTRUCTION	18/08/25
A	ISSUED FOR TENDER	20/06/25

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
K.H. HAWCO
SIGNATURE
18 AUGUST 2025
DATE
NEWFOUNDLAND & LABRADOR

PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
Class "A"
This Permit Allows
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CLIENT

ST. JOHN'S
DEPARTMENT OF ENGINEERING

PROJECT TITLE

VIRGINIA RIVER
SHARED USE PATH

SHEET TITLE

LOCATION PLAN

PROJECT NO.
24009

DRAWN BY	CHECKED BY
SM/RS	KH

DATE
FEBRUARY 2025

SCALE
1:3000

DRAWING NO.
C01

LEGEND - EXISTING

	PROPERTY LINE
	EXISTING GUY POLE
HP	EXISTING HYDRO POLE
	EXISTING FIRE HYDRANT
	EXISTING CATCH BASIN
0000S	EXISTING SANITARY MANHOLE
0000R	EXISTING STORM MANHOLE
	EXISTING WATERMAIN VALVE
	EXISTING ISOLATED TREE
	EXISTING SIGN
SAN SAN	EXISTING SANITARY SEWER
STM STM	EXISTING STORM SEWER
WAT WAT	EXISTING WATERMAIN
	EXISTING FENCELINE
	EXISTING WATERCOURSE
	EXISTING TREELINE
	EXISTING EDGE OF GRAVEL
D D	EXISTING DITCH CENTERLINE
	EXISTING FOOTPATH
	EXISTING FLOODPLAIN
	EXISTING FLOODPLAIN BUFFFER

LEGEND – NEW

	NEW FIRE HYDRANT
	NEW WATERMAIN VALVE
CB 0000R	*NEW CATCH BASIN*
	NEW STORM SEWER
	NEW DITCH INLET
	NEW CULVERT
	NEW SINGLE POST SIGN
	NEW DETECTABLE WARNING SURFACE PLATES
	NEW TREELINE
	NEW SHARED USE PATH ASPHALT
TP-01	*TEST PIT LOCATION*
	NEW SIDEWALK CURB RAMP

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REGISTERED PROFESSIONAL ENGINEER
K.F. HANNON
SIGNATURE
18 AUGUST 2025
DATE
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PROJECT TITLE

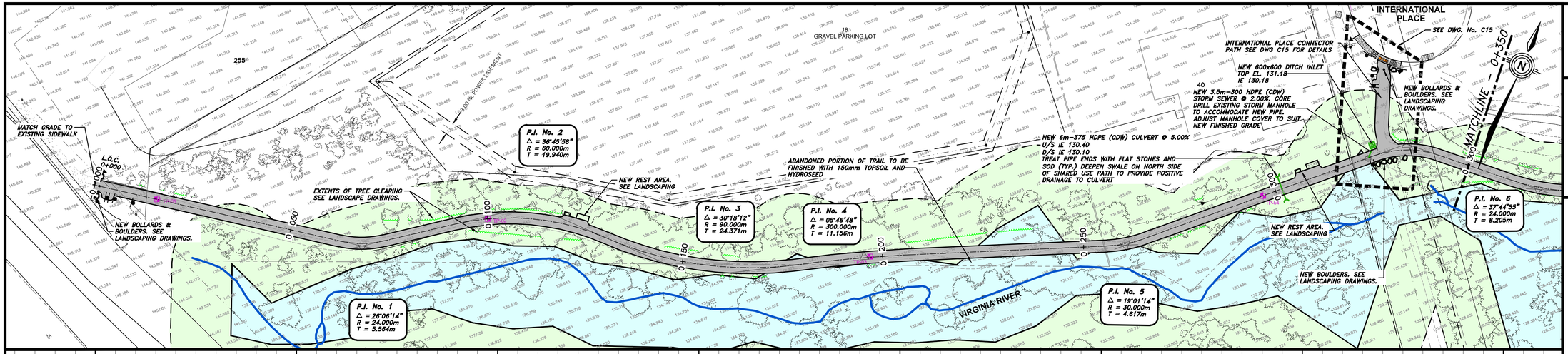
VIRGINIA RIVER
SHARED USE PATH

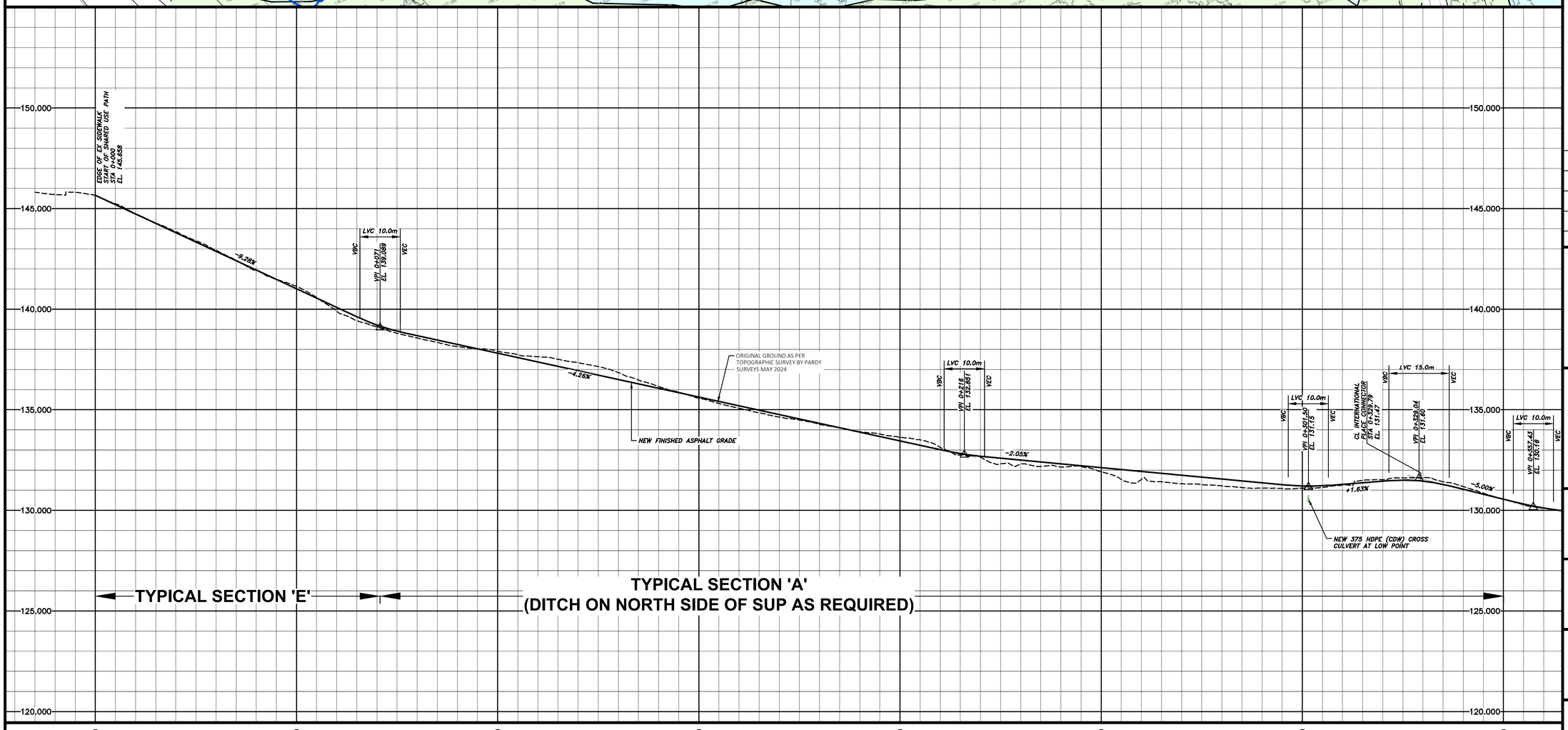
SHEET TITLE

LEGEND

PROJECT NO.
24009

DRAWN BY	CHECKED BY
SM/RS	KH
DATE: FEBRUARY 2025	DRAWING NO. C02
SCALE: N.T.S	





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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER — K.H. HANNAN — SIGNATURE — 18 AUGUST 2025 — DATE — NEWFOUNDLAND & LABRADOR

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VIRGINIA RIVER
SHARED USE PATH

SHEET TITLE

PLAN AND PROFILE
STA. 0+000 TO STA. 0+350

PROJECT NO.
24009

DRAWN BY	CHECKED BY
SM/RS	KH
DATE	DRAWING NO.
FEBRUARY 2025	C03
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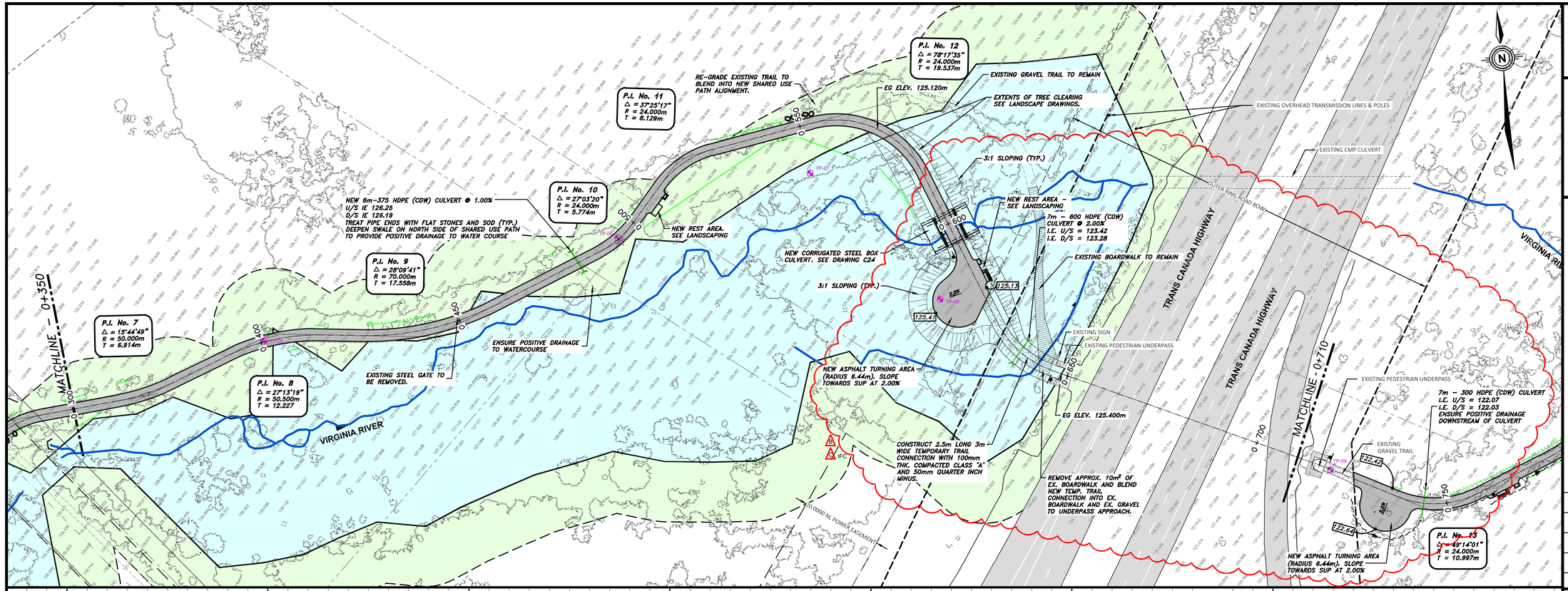
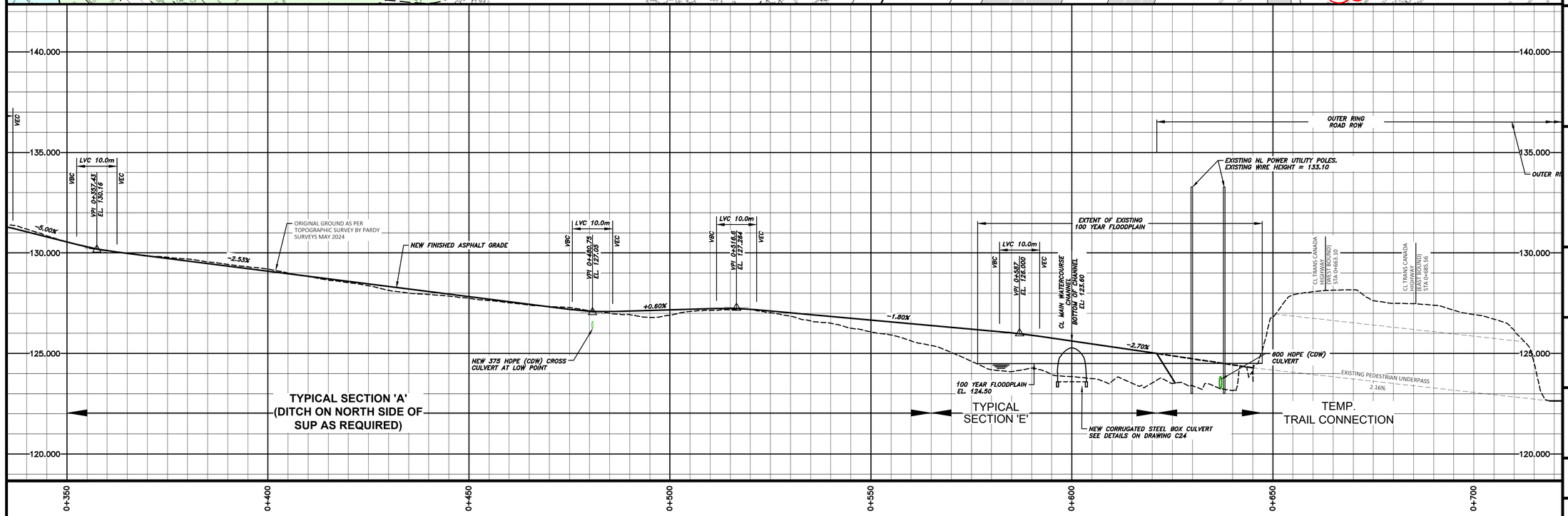
1 : 500 HOR. 1 : 100 VERT.	





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A	ISSUED FOR TENDER	20/06/25

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REGISTERED PROFESSIONAL ENGINEER
K.H. TENNANT
SIGNATURE
18 AUGUST 2025
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VIRGINIA RIVER
SHARED USE PATH

SHEET TITLE

PLAN AND PROFILE
STA. 0+350 TO STA. 0+710

PROJECT NO.

24009

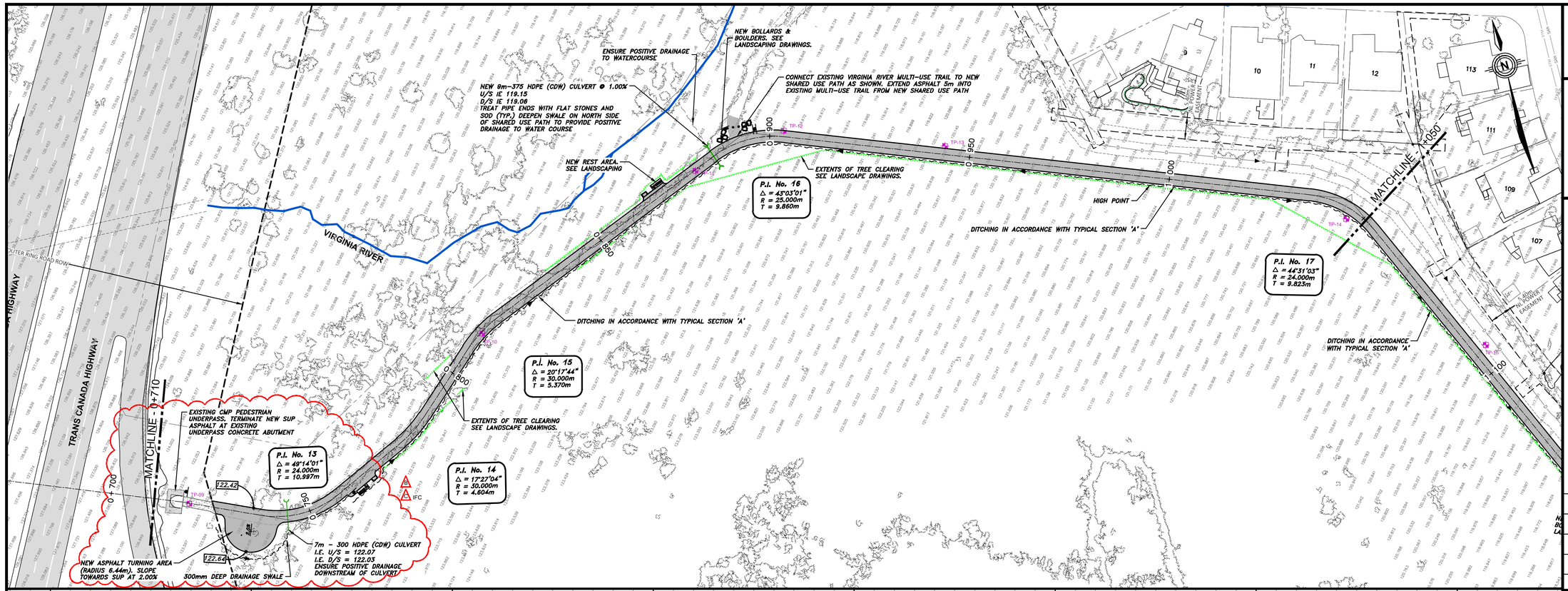
DRAWN BY	CHECKED BY
SM/RS	KH

DATE
FEBRUARY 2025

SCALE
1 : 500 HOR.
1 : 100 VERT.

DRAWING NO.

C04



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VIRGINIA RIVER
SHARED USE PATH

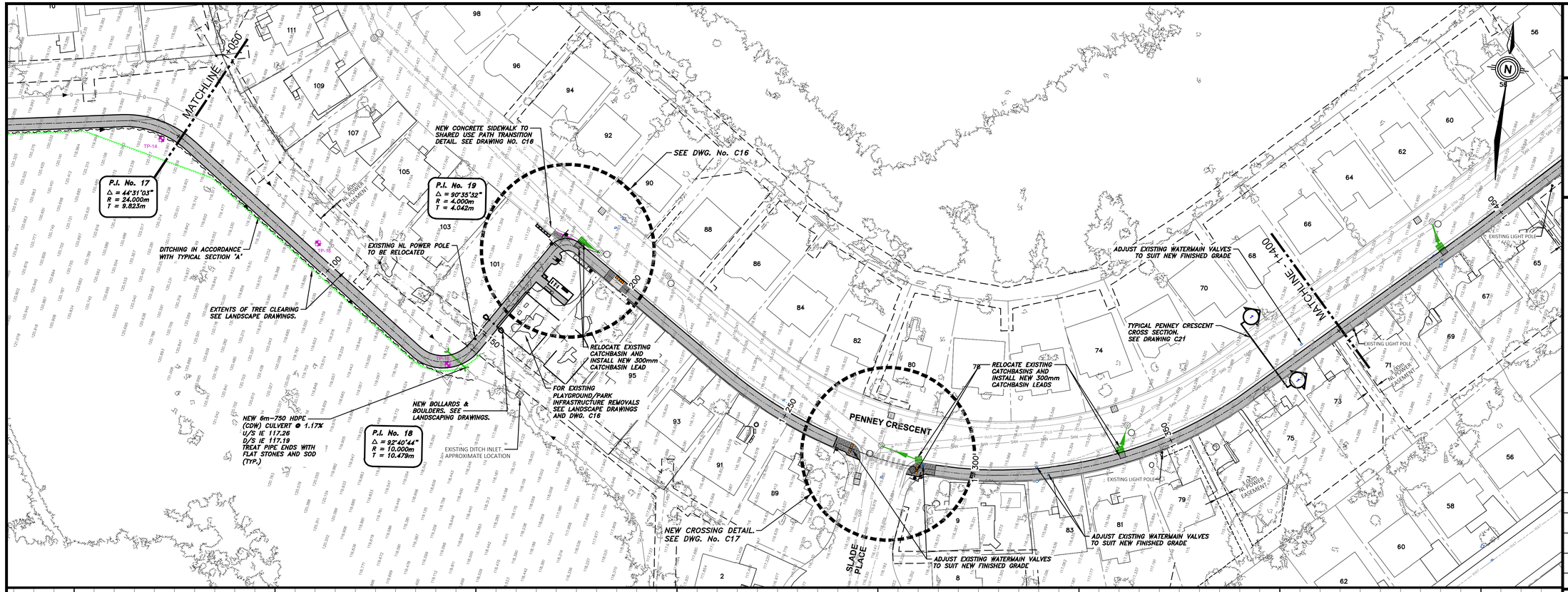
SHEET TITLE

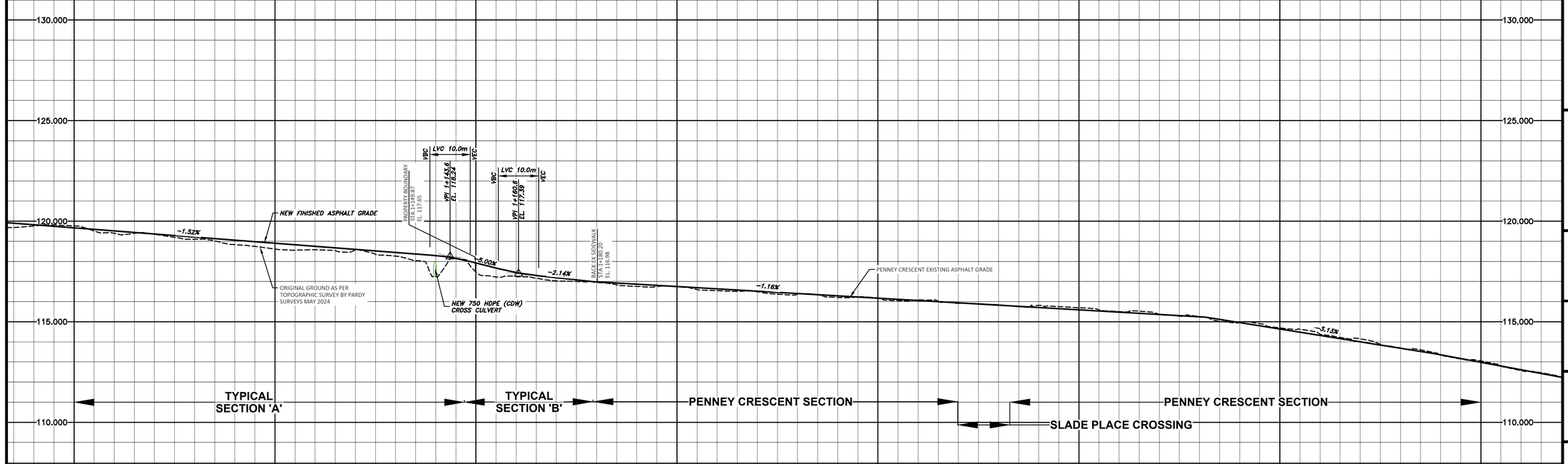
PLAN AND PROFILE
STA. 0+710 TO STA. 1+050

PROJECT NO.

24009

DRAWN BY	CHECKED BY
SM/RS	KH
DATE	DRAWING NO.
FEBRUARY 2025	C05
SCALE	
1 : 500 HOR. 1 : 100 VERT.	





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SHEET TITLE

PLAN AND PROFILE
STA. 1+050 TO STA. 1+400

PROJECT NO.

24009

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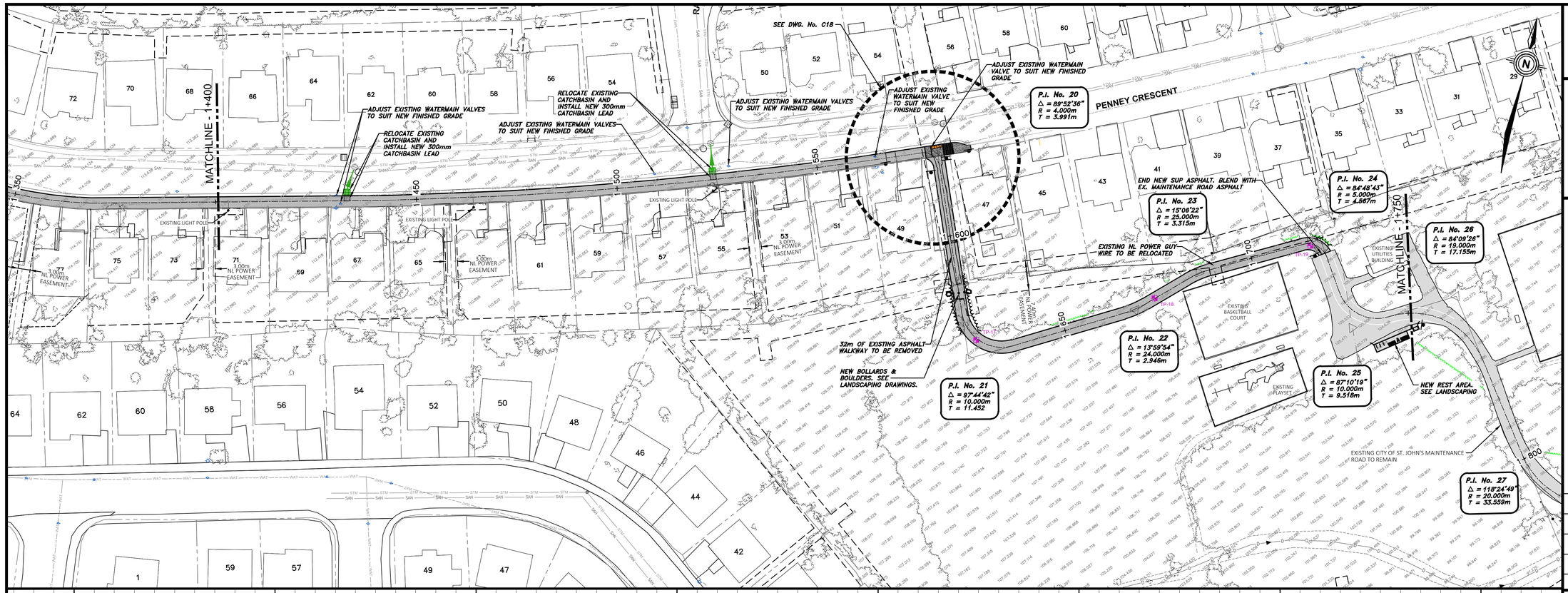
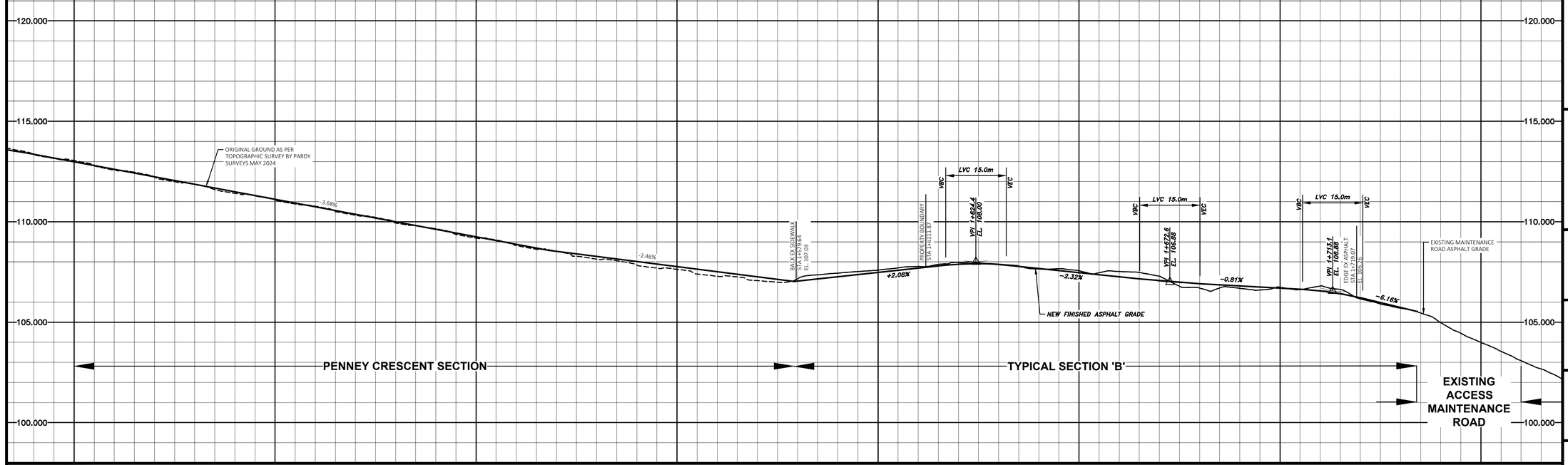
SM/RS	KH
DATE	DRAWING NO.
FEBRUARY 2025	C06
SCALE	
1 : 500 HOR. 1 : 100 VERT.	





PRIME CONSULTANT

PINNACLE ENGINEERING

SUB-CONSULTANTS

MILLS & WRIGHT LANDSCAPE ARCHITECTURE
55 Bond Street, Suite 301, St. John's, NL A1C 1S9
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ROWSELL APPLEBY NEWTON ENGINEERING INC

NOTES

NO.	REVISIONS	DD/MM/YY
B	ISSUED FOR CONSTRUCTION	18/08/25
A	ISSUED FOR TENDER	20/06/25

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
K.P. HANN
SIGNATURE
18 AUGUST 2025
DATE
NEWFOUNDLAND & LABRADOR

PROVINCE OF NEWFOUNDLAND
pegnl
PERMIT HOLDER
Class "A"
This Permit Allows
PINNACLE ENGINEERING ULC
To practice Professional Engineering in Newfoundland and Labrador.
Permit No. as issued by PEGNL L0331
which is valid for the year 2025.

CLIENT

ST. JOHN'S
DEPARTMENT OF ENGINEERING

PROJECT TITLE

VIRGINIA RIVER SHARED USE PATH

SHEET TITLE

PLAN AND PROFILE
STA. 1+400 TO STA. 1+750

PROJECT NO.

24009

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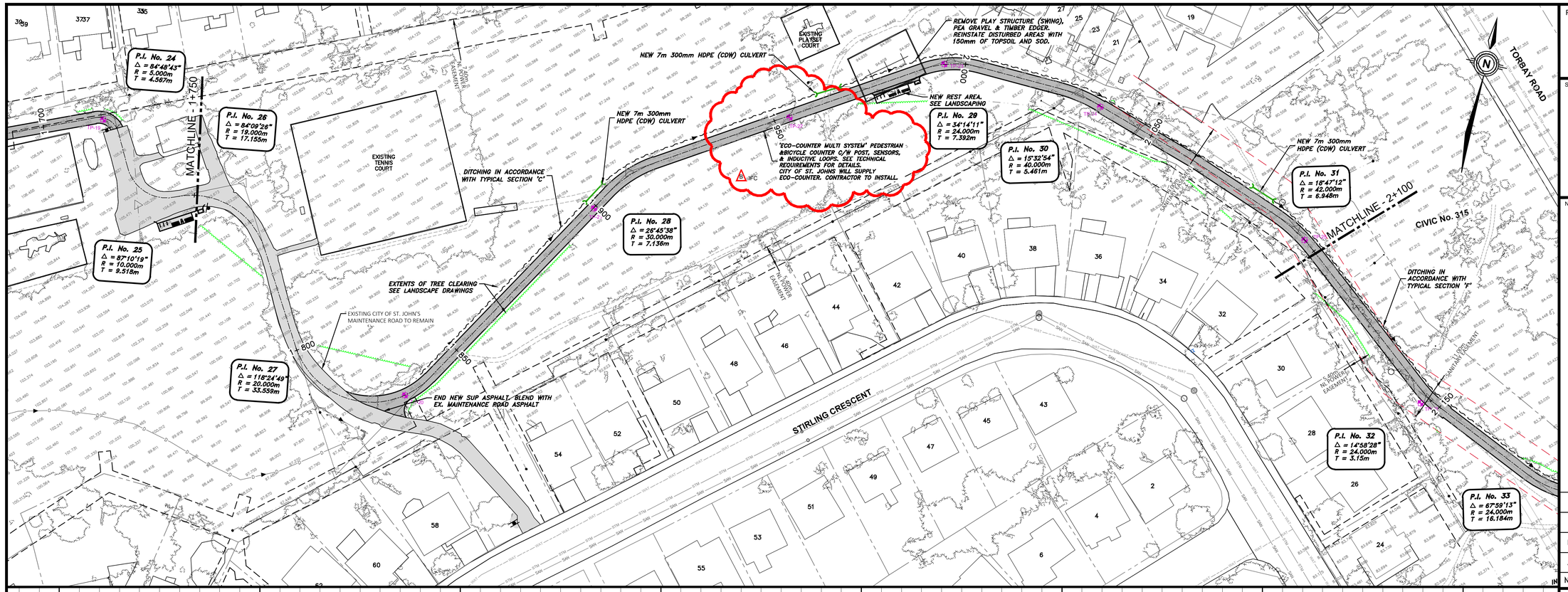
SM/RS	KH
DATE	DRAWING NO.
FEBRUARY 2025	C07
SCALE	
1 : 500 HOR. 1 : 100 VERT.	



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NOTES

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B	ISSUED FOR CONSTRUCTION	18/08/25
A	ISSUED FOR TENDER	20/06/25

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
K.P. LYNCH
SIGNATURE
18 AUGUST 2025
DATE
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ST. JOHN'S
DEPARTMENT OF ENGINEERING

PROJECT TITLE

VIRGINIA RIVER
SHARED USE PATH

SHEET TITLE

PLAN AND PROFILE
STA. 1+750 TO STA. 2+100

PROJECT NO.

24009

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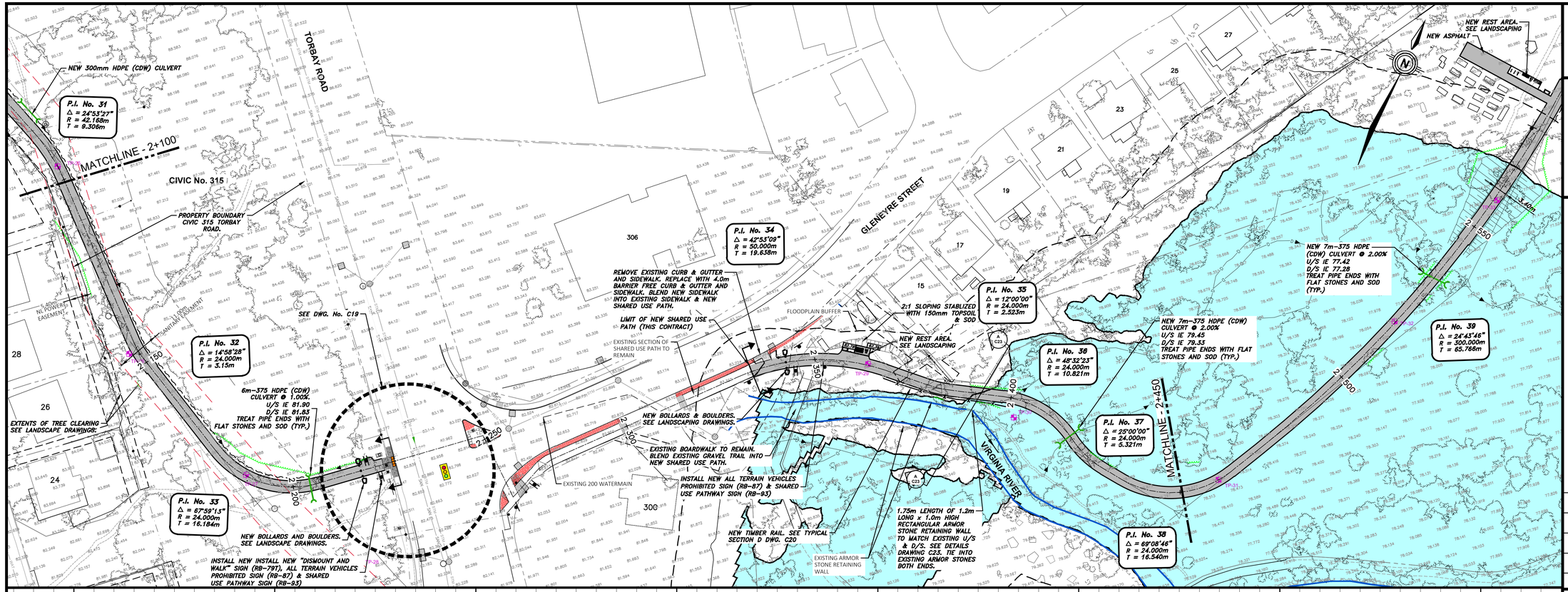
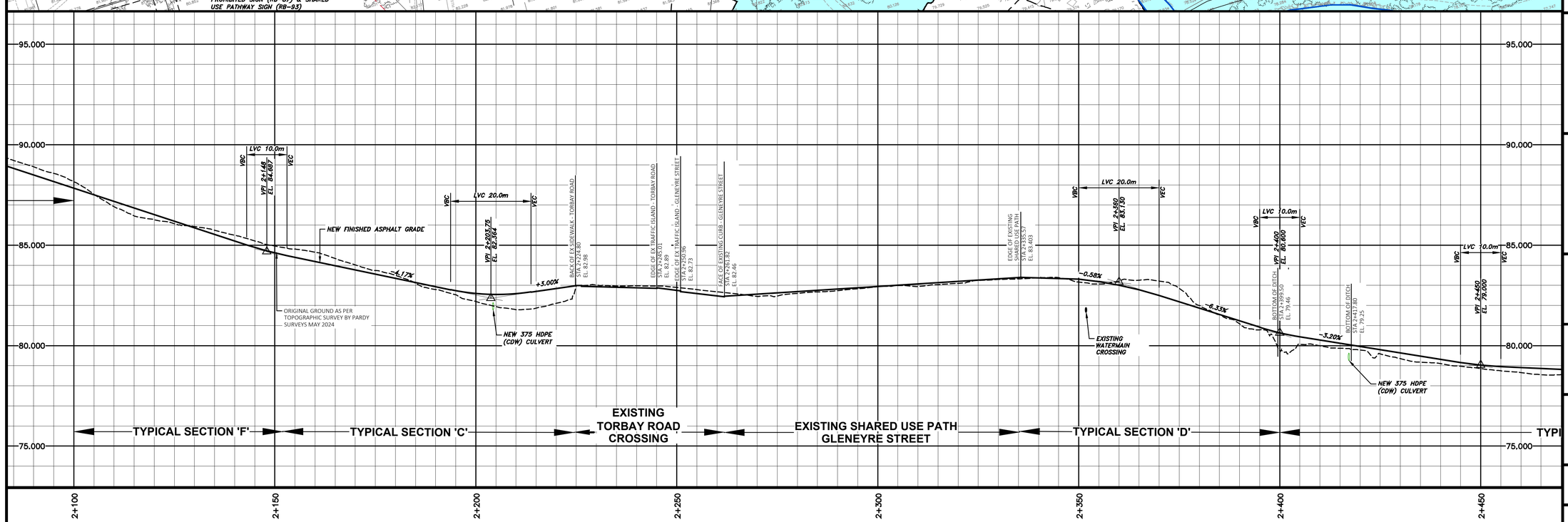
DATE: FEBRUARY 2025	DRAWING NO.: C08
SCALE: 1 : 500 HOR. 1 : 100 VERT.	





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NOTES

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B	ISSUED FOR CONSTRUCTION	18/08/25
A	ISSUED FOR TENDER	20/06/25

PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER
K.E. HANN
SIGNATURE
18 AUGUST 2025
DATE
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PROJECT TITLE

VIRGINIA RIVER SHARED USE PATH

SHEET TITLE

PLAN AND PROFILE
STA. 2+100 TO 2+450

PROJECT NO.

24009

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DATE
FEBRUARY 2025

SCALE
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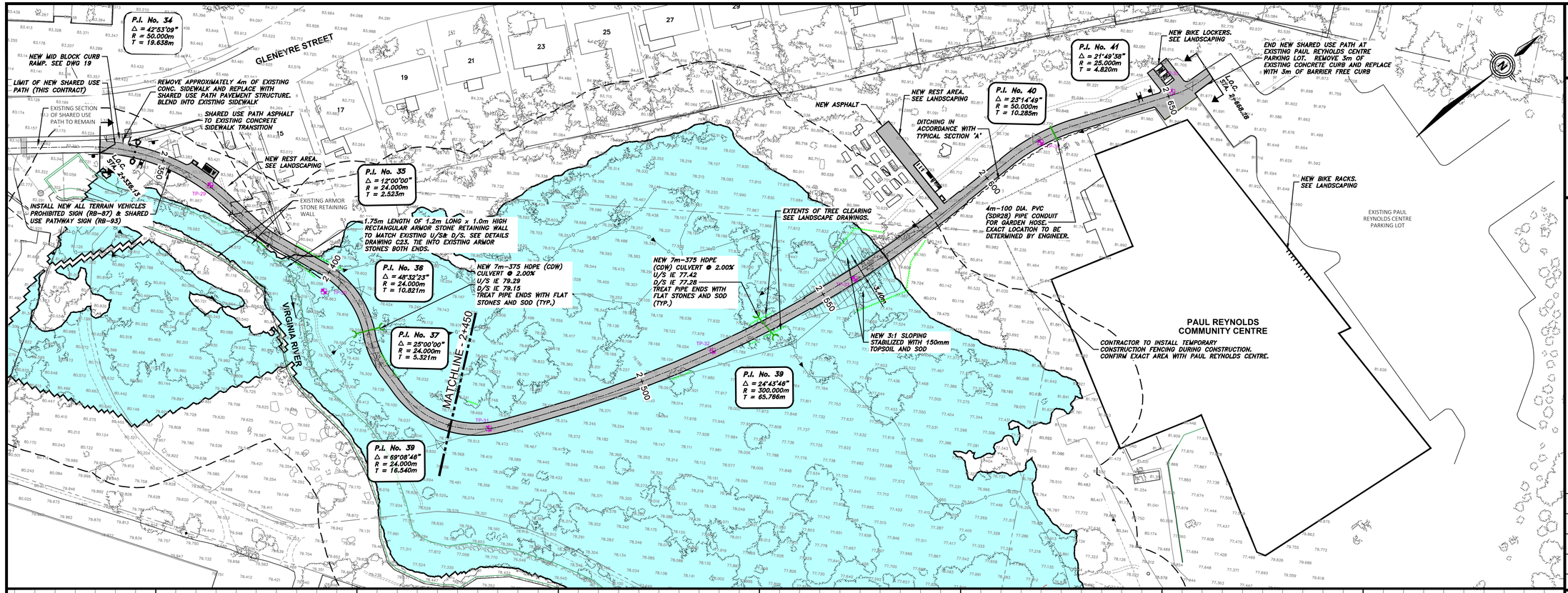
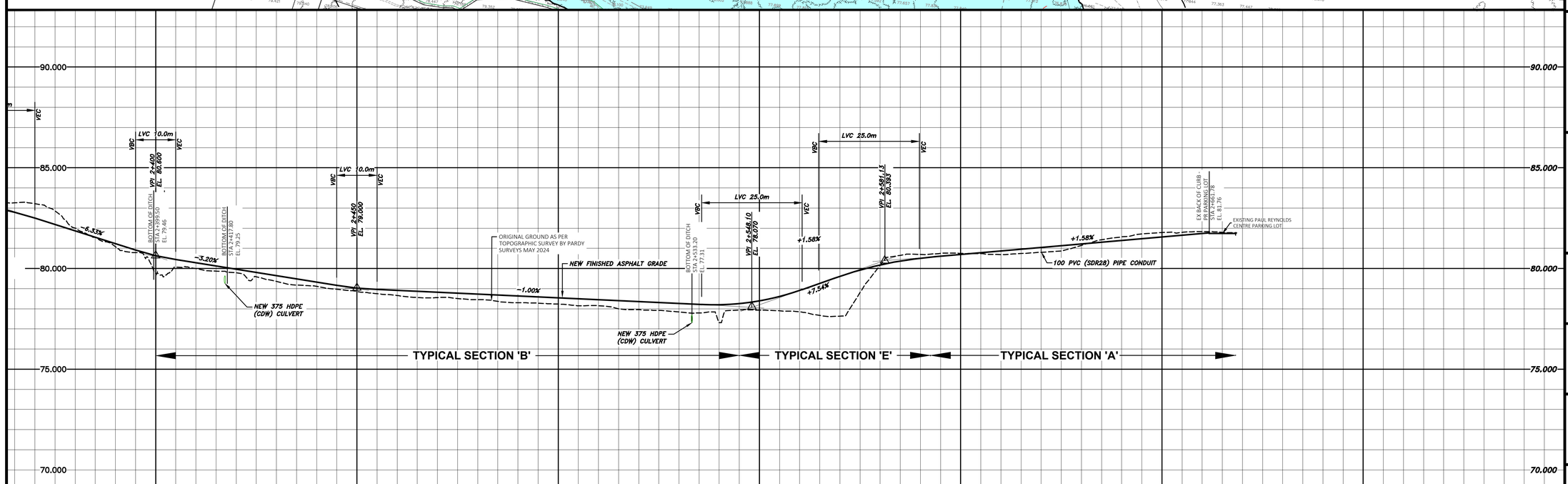
DRAWING NO.

C09





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NOTES

NO.	REVISIONS	DD/MM/YY
B	ISSUED FOR CONSTRUCTION	25/08/18
A	ISSUED FOR TENDER	20/06/25

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REGISTERED PROFESSIONAL ENGINEER
K.H. JANNEY
SIGNATURE
18 AUGUST 2025
DATE
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DEPARTMENT OF ENGINEERING

PROJECT TITLE

VIRGINIA RIVER
SHARED USE PATH

SHEET TITLE

PLAN AND PROFILE
STA. 2+450 TO END

PROJECT NO.

24009

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SM/RS	KH
DATE	DRAWING NO.
FEBRUARY 2025	C10
SCALE	
1 : 500 HOR. 1 : 100 VERT.	