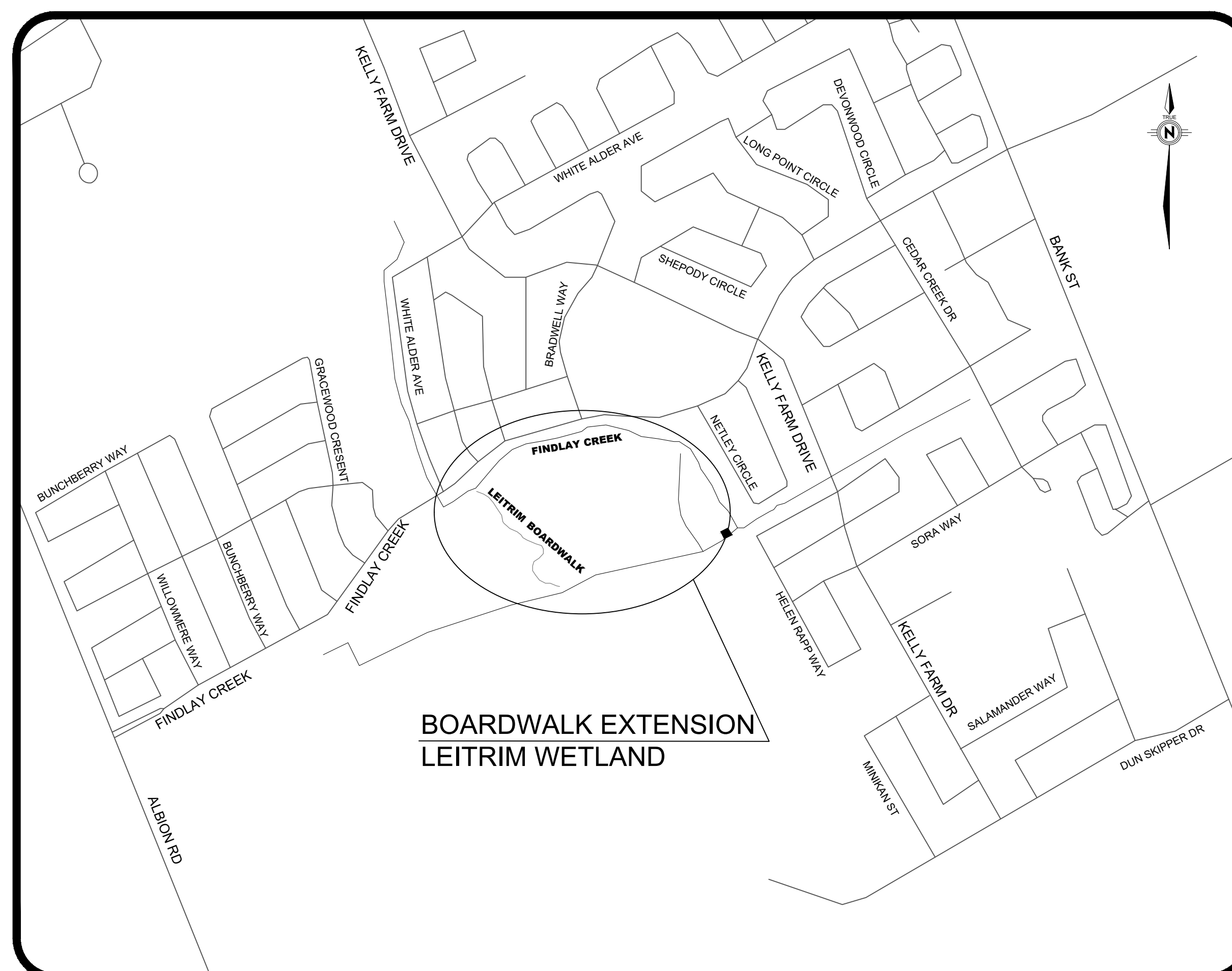


**CONTRACT No.: 22-1042A**

[illegible]

2. DO NOT SCALE DRAWINGS.
3. THE CONTRACTOR IS RESPONSIBLE FOR CHECKING AND VERIFYING ALL DIMENSIONS WITH RESPECT TO SITE CONDITIONS AND ALL MATERIALS TO THE PROJECT. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER.
4. CONTRACTOR MUST COMPLY WITH LOCAL BY-LAWS, CANADIAN CONSTRUCTION SAFETY CODE AND ALL REGULATIONS SET BY AUTHORITIES HAVING JURISDICTION. IN CASE OF CONFLICT OR DISCREPANCY, THE MORE STRINGENT REQUIREMENTS SHALL APPLY.
5. CONTRACTOR RESPONSIBLE FOR OBTAINING ALL REQUIRED UTILITY LOCATES, INSPECTIONS, PERMITS, AND APPROVALS, INCLUDING ALL ASSOCIATED COSTS.
6. ALL LOCATIONS AND ELEVATIONS OF EXISTING SERVICE AND UTILITIES SHOWN ON THE PLANS ARE BASED ON BEST AVAILABLE INFORMATION AND FOR REFERENCE PURPOSES ONLY. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING AND PROTECTING ALL UTILITIES DURING CONSTRUCTION.
7. ALL TRENCHING IS TO BE DONE IN ACCORDANCE WITH THE CONSTRUCTION SAFETY ACT.
8. ALL WORK SHALL BE IN ACCORDANCE WITH CURRENT ONTARIO PROVINCIAL STANDARD DRAWING SPECIFICATIONS UNLESS OTHERWISE NOTED.
9. PROPERTY BOUNDARIES SHOWN ON THE PLANS ARE FROM GIS DATA. PROPERTY BOUNDARIES AS SHOWN ARE APPROXIMATE AND ARE APPROXIMATE. CONTRACTOR TO CONFIRM PROPERTY BOUNDARIES IN THE FIELD AND COORDINATE WITH THE LAND OWNERS FOR SITE ACCESS.
10. WORK SHALL BE UNDERTAKEN DURING A SEASONALLY DRY PERIOD.
11. KEEP EXCAVATIONS FREE OF WATER WHILE WORK IS IN PROGRESS. DEWATERING SHALL BE ACCORDING TO OPSS 517.
12. CONTRACTOR TO REINSTATE TO MATCH EXISTING CONDITIONS WHILE PROVIDING POSITIVE DRAINAGE (MIN 2%) AWAY FROM PATHWAY TO DRAINAGE DITCHES OR WATERCOURSE.
13. ENSURE UNOBSTRUCTED DRAINAGE IS MAINTAINED ALONG TRAIL CORRIDOR.
14. NO IN WATER WORK SHALL BE COMPLETED DURING THE FISH SPAWNING PERIOD (MARCH 15 - JULY 1).
15. CONTRACTOR TO COMPLETE WORK OUTSIDE OF BIRD NESTING PERIOD, MID APRIL - LATE AUGUST (ZONE C3 & C4)
16. CONTRACTOR TO COMPLETE WORK OUTSIDE OF TURTLE NESTING PERIOD (MAY - MID JULY).

1. THE CONTRACTOR SHALL PROVIDE EROSION AND SEDIMENT CONTROL PLAN FOR APPROVAL PRIOR TO COMMENCING WORK. THE PLAN SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE AND THE RECEIVING WATER COURSE. DURING CONSTRUCTION ACTIVITIES: THIS INCLUDES LIMITING THE AMOUNT OF EXPOSED SOIL, INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS AND INSTALLING AND MAINTAINING MUD MATS FOR OUTGOING CONSTRUCTION TRAFFIC DURING CONSTRUCTION ACTIVITIES.
3. PREVENT SOIL LOSS DURING CONSTRUCTION (BY STORM WATER RUNOFF OR WIND EROSION). RUN-OFF FROM CONSTRUCTION MATERIALS AND ANY STOCKPILES MUST BE CONTAINED AND DISCHARGED SO AS TO PREVENT THE ENTRY OF SEDIMENT TO WATERCOURSES.
4. SEDIMENT AND EROSION CONTROL MEASURES MAY BE MODIFIED TO SUIT FIELD CONDITIONS.
5. THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENTATION CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
6. EROSION AND SEDIMENT FEATURES SHOWN ON PLAN ARE FOR REFERENCE ONLY. CONTRACTOR SHALL MONITOR AND MAINTAIN EROSION AND SEDIMENTATION CONTROL MEASURES TO ENSURE THEY PERFORM AS INTENDED.
7. NATIVE SEED MIXTURE TO BE USED WHERE GRASS REINSTATEMENT IS REQUIRED.
8. FINAL SURFACE TREATMENT TO MATCH PRE-ADJACENT LAND CONDITIONS.
9. TREE REMOVAL SHALL BE AVOIDED, MINOR ADJUSTMENTS TO ALIGNMENT MAY BE REQUIRED.
10. THE CONTRACTOR SHALL MINIMIZE DISTURBANCE OUTSIDE TRAIL CORRIDOR. ALL DISTURBED AREAS MUST BE REINSTATED TO THIS PRE-CONSTRUCTION CONDITION.
11. ALL MATERIAL AND EQUIPMENT TO BE STORED OUTSIDE THE 1:100 YEAR FLOODPLAIN.
12. PROPOSED STOCKPILE LOCATIONS SUBJECT TO APPROVAL BY APPROPRIATE LANDOWNERS AND SNCA.

1. CONTRACTOR TO VERIFY THAT CONSTRUCTION CAN BE COMPLETED IN THE DRY. IF SO, THE CONTRACTOR MAY USE OTHER METHODS FOR DEWATERING. IF THE WORK CANNOT BE COMPLETED IN THE DRY, THE FOLLOWING STEPS MUST BE IMPLEMENTED.

	STANDARD IRON BAR
	TOTAL STATION POINT
	APPROXIMATE BORE HOLE LOCATION
	EXISTING SIGN
	EXISTING BOULDER
	EXISTING POLE
	EXISTING SANITARY MANHOLE
	EXISTING DITCH INLET
	EXISTING HYDRO POLE
	EXISTING ANCHOR
	EXISTING STAKE
	EXISTING ELEVATIONS
	PROPOSED ELEVATIONS
	EXISTING TREE
	PROPOSED LANDSCAPE FEATURE - BOULDER
	PROPERTY LINE (APPROX.)
	EXISTING TOE OF SLOPE
	EXISTING TOP OF BANK
	EXISTING SWALE
	EXISTING DITCHLINE
	EXISTING CHAINLINK FENCELINE
	EXISTING WOOD OUTLINE
	EXISTING GRAVEL OUTLINE
	PROPOSED TRAIL TREAD
	PROPOSED DAYLIGHT LIMITS - CUT
	PROPOSED DAYLIGHT LIMITS - FILL
	BOARD SECURITY FENCE. SEE DETAIL
	PROPOSED PIPE HANDRAIL. SEE DETAIL
	PROPOSED SWALE
	PROPOSED BOARDWALK
	EXISTING RIP-RAP
	PROPOSED RIP-RAP
	PROPOSED STOCKPILE LOCATION
	STATION LABELS
	PROPOSED SURFACE DRAINAGE
	STRAW BALE FLOW CHECK DAM PER OPSD 219.180
	SILT FENCE BARRIER PER OPSD 219.110

HANDRAIL LOCATION	
0+000	0+140
0+180	0+340
0+480	0+570

1	2022-10-11	SA	50% SUBMISSION
2	2022-11-11	SA	90% SUBMISSION

No.	YYYY-MM-DD	BY	REVISION COMMENTS

## COVER PAGE &amp; INDEX.DWG





**SOUTH NATION  
CONSERVATION**  
DE LA NATION SUD

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND, WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

DESIGN PROFESSIONAL'S SEAL OR SIGNATURE IS EFFECTIVE ONLY AS TO THAT VERSION OF THIS DOCUMENT AS ORIGINALLY PUBLISHED BY DESIGN PROFESSIONAL. DESIGN PROFESSIONAL IS NOT RESPONSIBLE FOR ANY SUBSEQUENT MODIFICATION, CORRUPTION, OR UNAUTHORIZED USE OF SUCH DOCUMENT. TO VERIFY THE VALIDITY OR APPLICABILITY OF THE SEAL OR SIGNATURE, CONTACT DESIGN PROFESSIONAL.

KEY PLAN  
SCALE: NTS

1	2022-10-11	SA	50% SUBMISSION
2	2022-11-11	SA	90% SUBMISSION
No.	YYYY-MM-DD	BY	REVISION COMMENTS

### FINDLAY CREEK BOARDWALK EXTENSION OTTAWA, ONTARIO

ALIGNMENT

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Jp2g Project No.: 22-1042A 16 EDWARDS STREET SOUTH, UNIT 538, ARLBORO, ON

CLIENT No.: 22-1042A	SCALE: 1:750
DESIGNED: SA	
DRAFTED: MW	
CHECKED: SA	
APPROVED: XX	

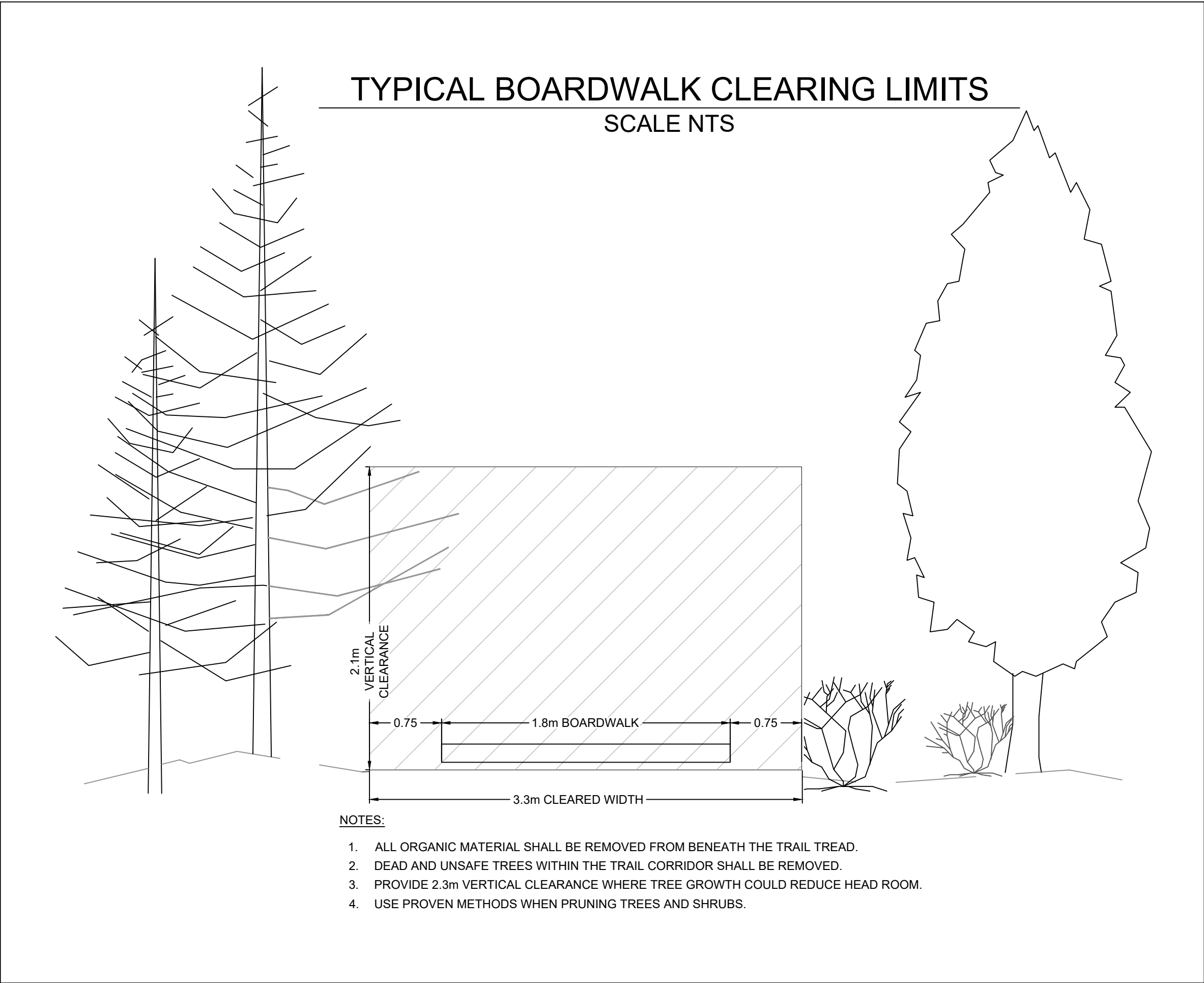
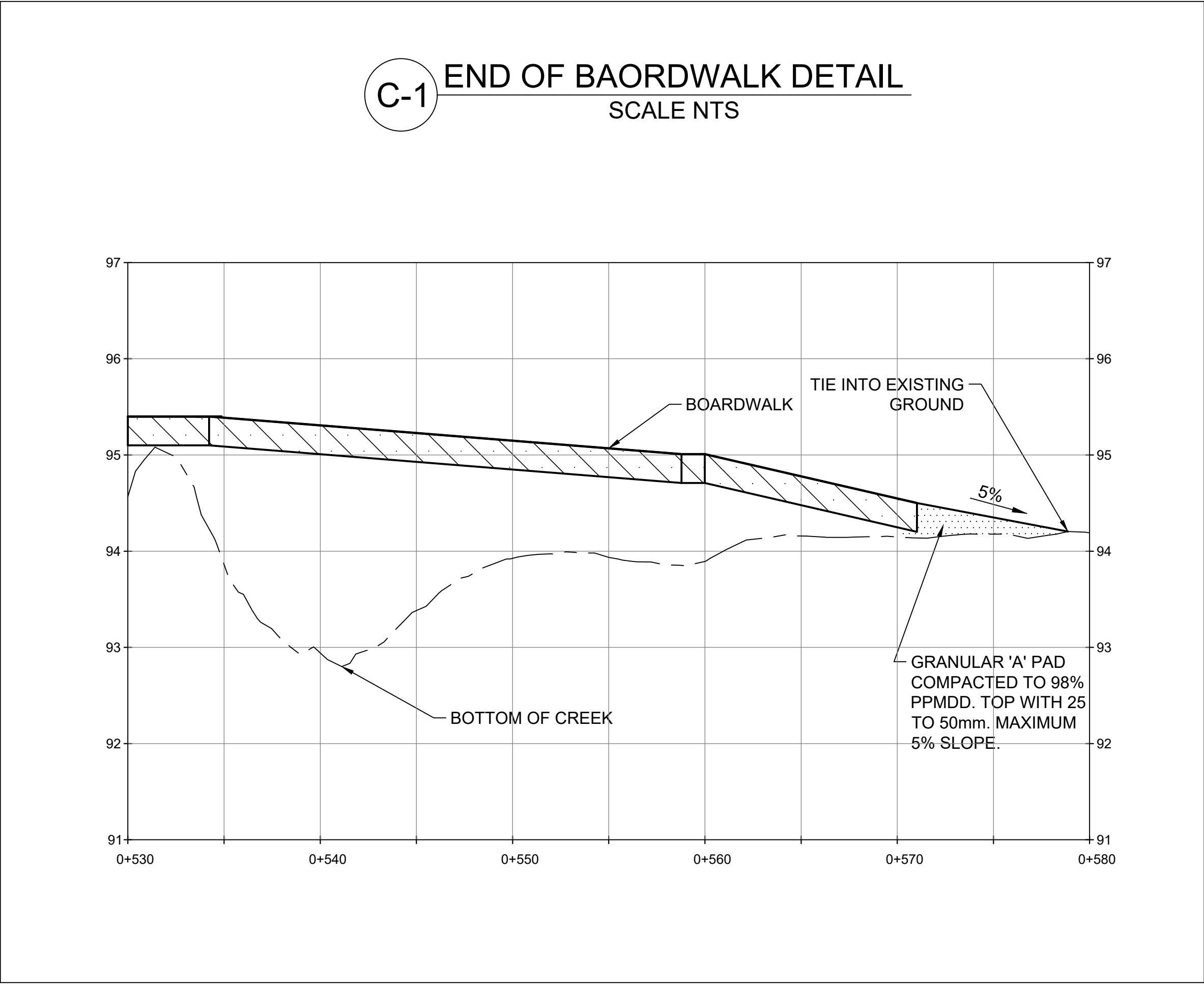
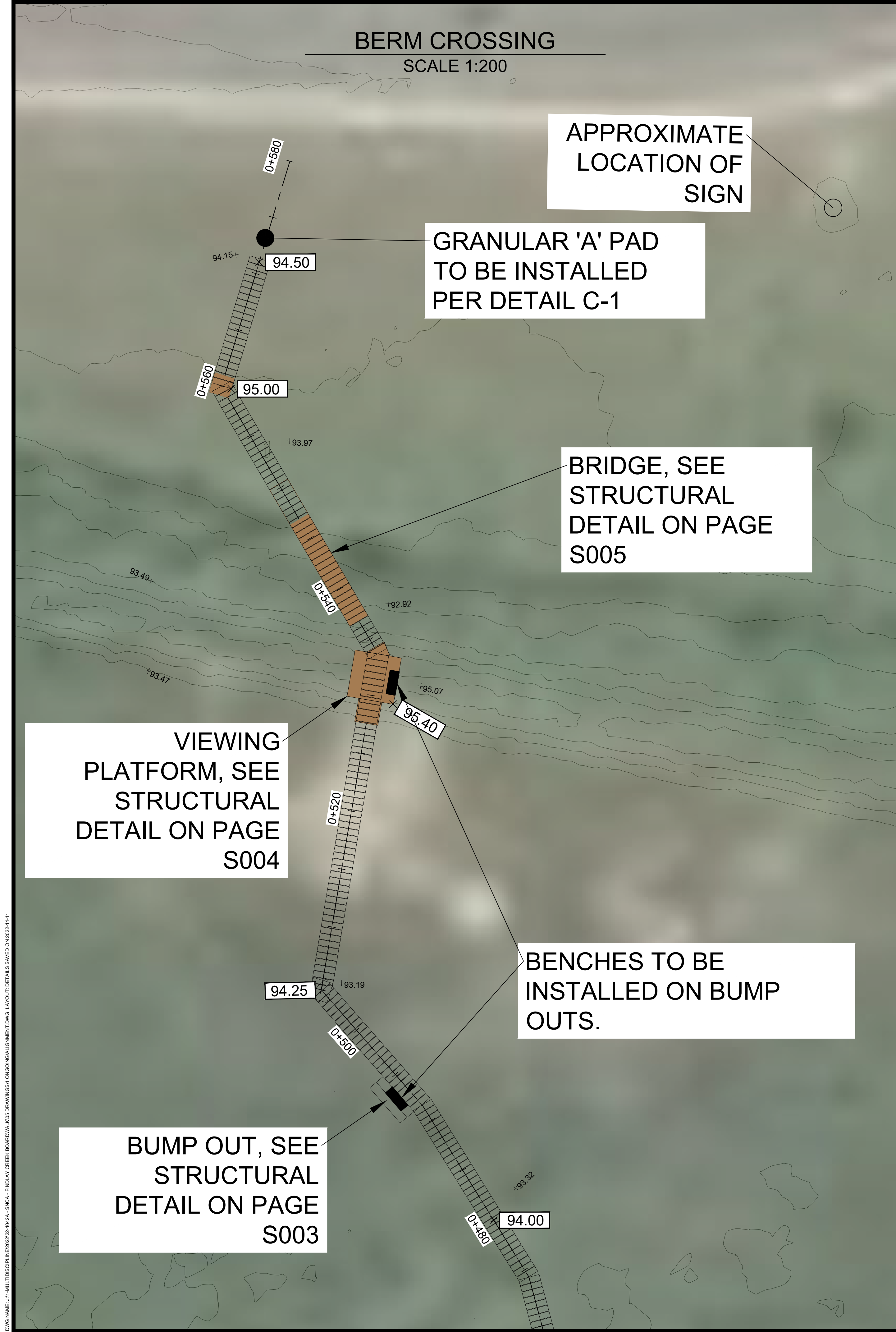
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**ALI.1**

ALIGNMENT DWG

DWG NAME: J:\1\ALI.TDS\CPH INC 2022\02-1042A-ENCL-1 FINDLAY CREEK BOARDWALK EXTENSION DWG LAYOUT ALIGNMENT (2) DATED ON 2022-11-11





**SOUTH NATION  
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DE LA NATION SUD

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KEY PLAN  
SCALE NTS

KEYPLAN (NTS)

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No.	YYYY-MM-DD	BY	REVISION COMMENTS

**FINDLAY CREEK  
BOARDWALK  
EXTENSION  
OTTAWA, ONTARIO**

~  
**DETAILS**

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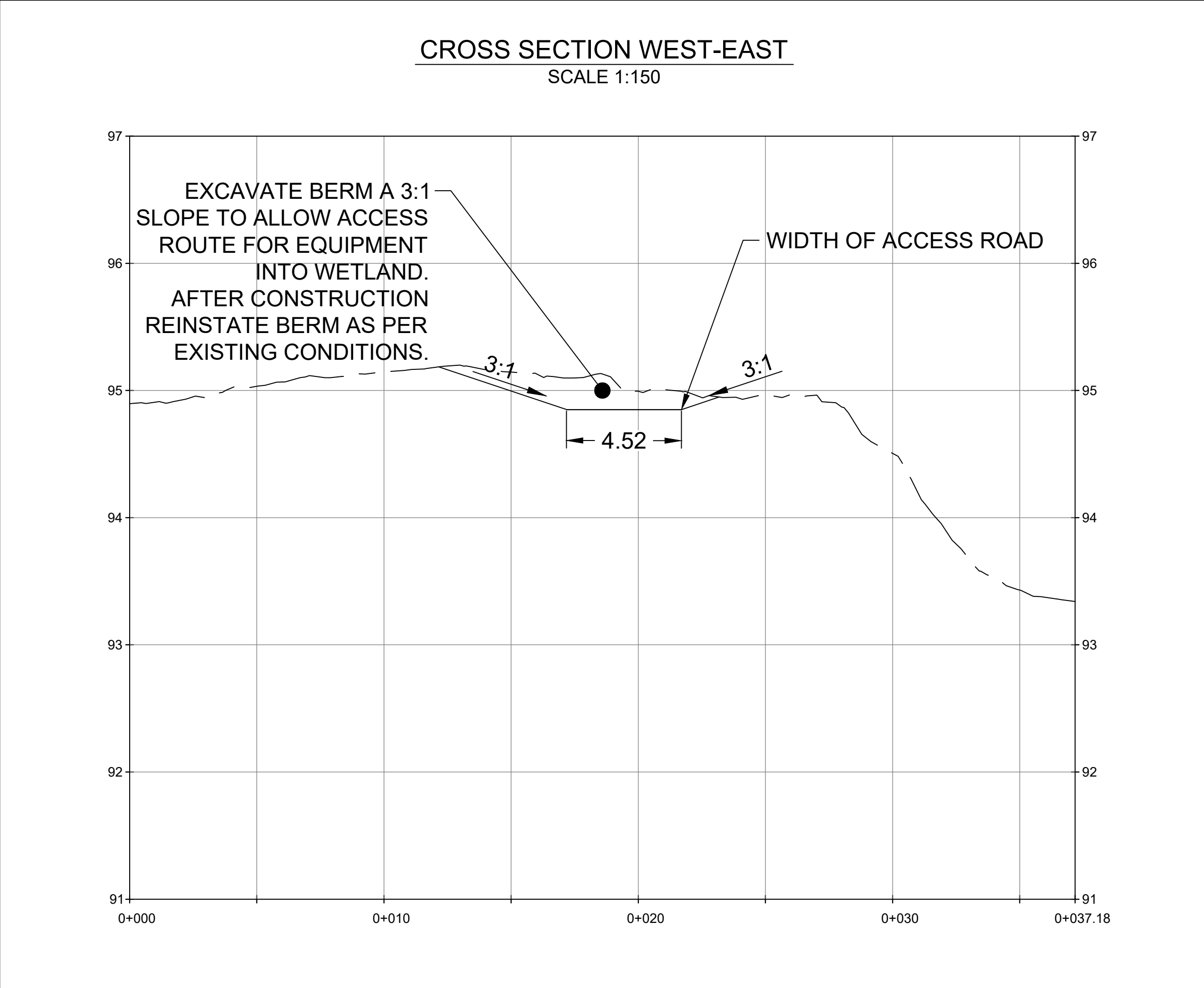
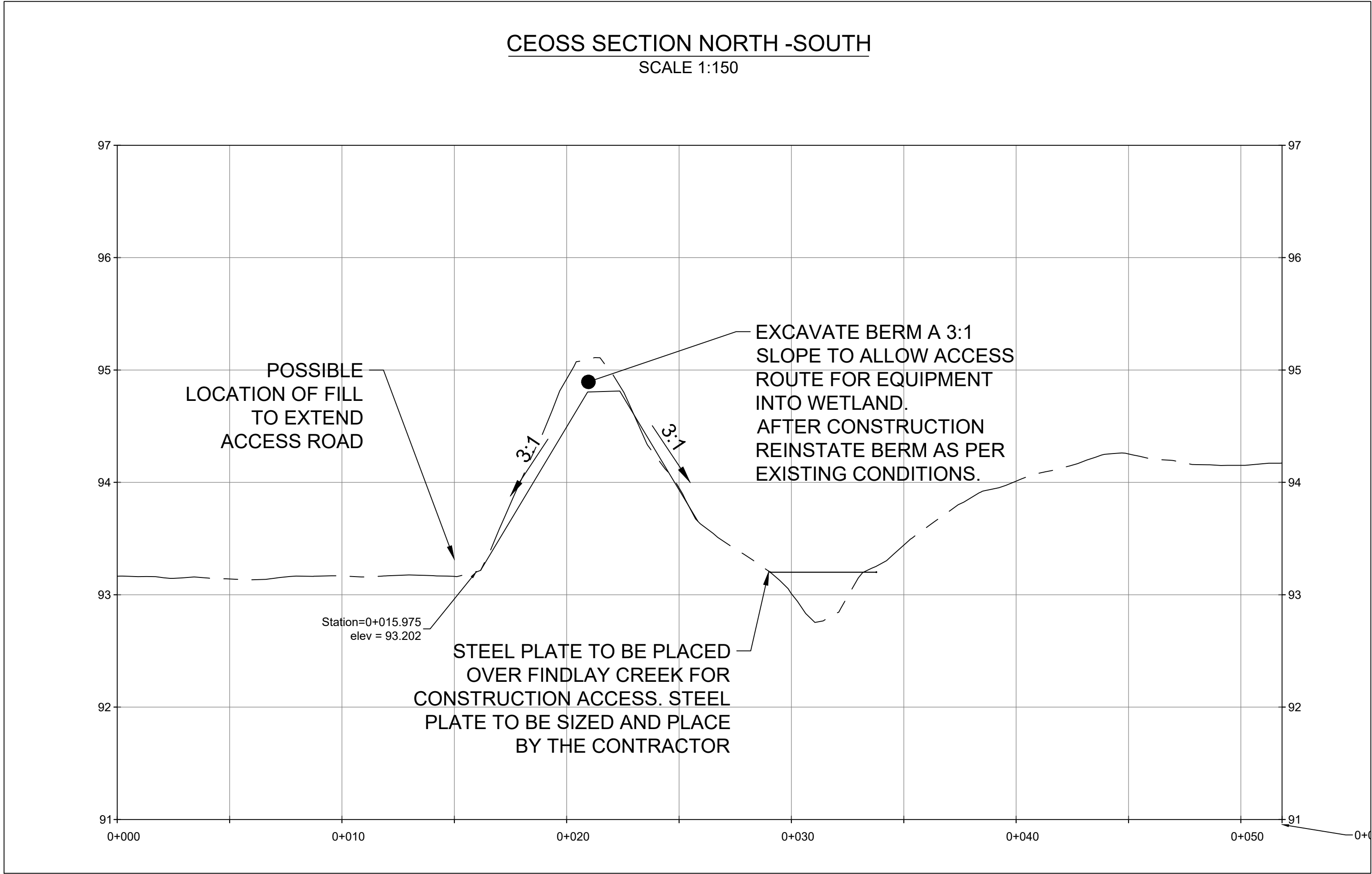
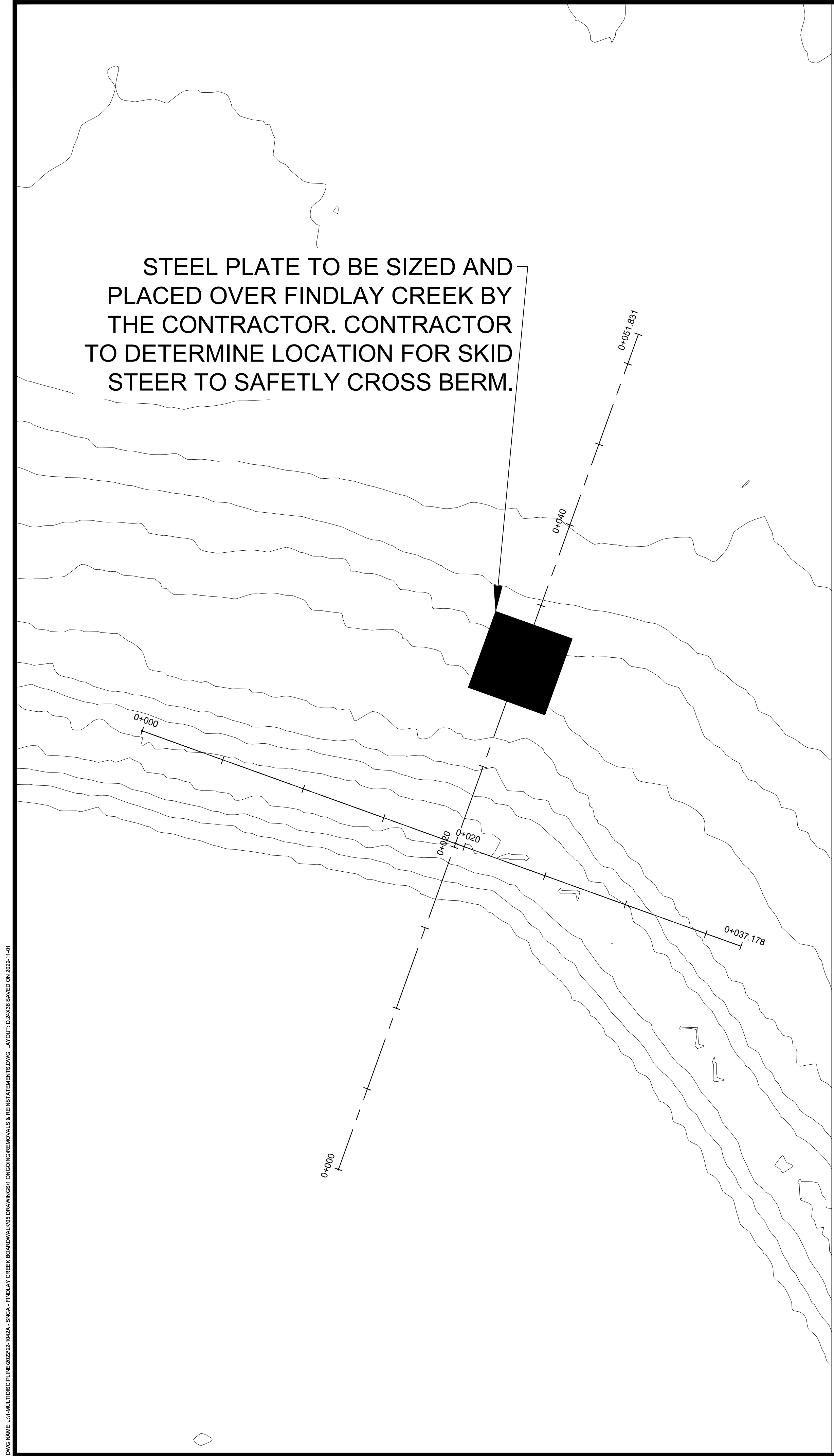
Jp2g Project No.: 22-1042A 16 EDWARDS STREET SOUTH, UNIT 538, ARLBORO, ON

CLIENT No.: 22-1042A	SCALE:
DESIGNED: SA	
DRAFTED: MW	
CHECKED: SA	
APPROVED: XX	

**DET.1**

ALIGNMENT.DWG





**SOUTH NATION  
CONSERVATION**  
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1	2022-10-11	SA	50% SUBMISSION
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**FINDLAY CREEK  
BOARDWALK  
EXTENSION  
OTTAWA, ONTARIO**

**REMOVALS AND  
REINSTATEMENTS**

**Jp2g Consultants Inc.**  
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CLIENT No.: 22-1042A	SCALE:
DESIGNED: SA	
DRAFTED: MW	
CHECKED: SA	
APPROVED: XX	

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**REM.1**

REMOVALS & REINSTATEMENTS.DWG



DWG NAME: J:\1\MULTIDISC\IN2022\22-1042A - SNCA - FINDLAY CREEK BOARDWALK-0305.DWG LAYOUT: 0001 SAVED ON: November 11, 2022

## GENERAL STRUCTURAL NOTES

- STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE 2012 ONTARIO BUILDING CODE (OBC), SUPPLEMENTED BY THE 2010 NATIONAL BUILDING CODE OF CANADA STRUCTURAL COMMENTARY.
- THIS IS A METRIC PROJECT. UNLESS OTHERWISE NOTED, ALL LENGTHS ARE IN MILLIMETERS.
- REVIEW STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONTRACT DOCUMENTS. REPORT DISCREPANCIES BEFORE PROCEEDING WITH THE WORK.
- VERIFY EXISTING DIMENSIONS AND CONDITIONS ON SITE PRIOR TO CONSTRUCTION.
- THE REVISION COLUMN INDICATES THE INTENT USE OF THESE DRAWINGS. DO NOT CONSTRUCT FROM THESE DRAWINGS UNLESS MARKED "ISSUED FOR CONSTRUCTION".
- DO NOT USE INFORMATION ON THESE DRAWINGS FOR ANY OTHER PROJECTS.
- DO NOT SCALE THESE DRAWINGS.
- FOLLOW TYPICAL DETAILS SHOWN ON DRAWINGS. UNLESS OTHERWISE NOTED, TYPICAL DETAILS SHOW STRUCTURAL INTENT RATHER THAN ACTUAL PROJECT CONDITIONS. (NOTE THAT TYPICAL DETAILS ARE NOT ALWAYS REFERENCED ON PLAN.)
- SECTIONS, DETAILS, AND STATEMENTS NOTED AS "TYPICAL" SHALL CONVEY THAT CONDITIONS ARE LIKE OR SIMILAR IN THE STRUCTURE.
- THESE DRAWINGS SHOW THE COMPLETED STRUCTURE ONLY. TEMPORARY WORKS FOR WHICH THE CONTRACTOR IS RESPONSIBLE AND WHICH MAY BE REQUIRED FOR EXECUTION OF THE PROJECT ARE NOT SHOWN. CONSTRUCTION LOADS ON THE PERMANENT STRUCTURE SHALL NOT EXCEED DESIGN LOADS INDICATED ON DRAWINGS.
- ALL TEMPORARY WORKS SHALL BE DESIGNED AND REVIEWED BY A PROFESSIONAL ENGINEER RETAINED BY THE CONTRACTOR, LICENSED IN ONTARIO.
- PROVIDE REASONABLE NOTICE (NOT LESS THAN 24 HOURS) PRIOR TO CONCEALING ANY WORK THAT REQUIRES INSPECTION, REVIEW, OR TESTING. SCHEDULE THIS WORK TO OCCUR DURING NORMAL BUSINESS HOURS.
- PERIODIC FIELD REVIEW OF A REPRESENTATIVE SAMPLE OF THE STRUCTURAL WORK DESIGNED BY JP2G WILL BE UNDERTAKEN TO AS CERTAIN GENERAL CONFORMANCE WITH THE STRUCTURAL DRAWINGS AND SPECIFICATIONS. THESE REVIEWS DO NOT REPLACE THE CONTRACTORS RESPONSIBILITY FOR QUALITY CONTROL AND QUALITY ASSURANCE.
- TEMPORARY SHORING REQUIRED IS NOT SHOWN ON STRUCTURAL DRAWINGS. IF REQUIRED, CONTRACTOR AND THEIR ENGINEER SHALL DETERMINE THE TEMPORARY SHORING REQUIREMENTS.

## SHOP DRAWINGS

- SUBMIT FOR REVIEW ALL SHOP DRAWINGS REQUIRED BY THESE DRAWINGS AND SPECIFICATIONS. SHOP DRAWINGS FOR REVIEW SHALL INCLUDE BUT NOT BE LIMITED TO:
  - WOOD CONNECTORS FROM MANUFACTURER OTHER THAN SIMPSON STRONGTIE
  - WOOD PRESERVATIVE/ SEALANT
  - GEORND FOR RETAINING WALL
  - RETAINING WALL BLOCKS
- REVIEW OF SHOP DRAWINGS IS ON A SAMPLING BASIS. FOR GENERAL CONFORMITY WITH STRUCTURAL CONTRACT DOCUMENTS, IT IS NOT A DETAILED CHECK AND MUST NOT BE CONSTRUED AS RELIEVING THE CONTRACTOR OF RESPONSIBILITY FOR MAKING THE WORK ACCURATE AND IN CONFORMITY WITH THE CONTRACT DOCUMENTS.
- REVIEW OF SHOP DRAWINGS DOES NOT IMPLY ANY CHANGE IN ANY OTHER CONSULTANTS' OR PROFESSIONALS' RESPONSIBILITIES RELATED TO DESIGN OF SPECIFIC ITEMS AS OUTLINED BY THE SPECIFICATIONS.
- REVIEW OF A SPECIFIC COMPONENT ON NON-STRUCTURAL SHOP DRAWINGS (COMPONENTS ENGINEERED BY OTHERS) DOES NOT INCLUDE REVIEW OF THE ASSEMBLY OF WHICH THE ITEM MAY BE A COMPONENT.
- IF REQUIRED, CAD FILES OF THE FULL SET OF STRUCTURAL DRAWINGS ARE AVAILABLE "AS-IS" FOR USE IN THE PREPARATION OF SHOP DRAWINGS, PROVIDED THAT THE OWNER AND THE OWNER'S CONSULTANTS ARE NOT HELD RESPONSIBLE FOR ANY ERRORS OR OMISSIONS ON THE DRAWINGS. THESE CAD DRAWINGS ARE NOT TO BE SCALED. TO RECEIVE THE CAD FILES, THE CONTRACTOR MUST BE WILLING TO SIGN A DRAWING RELEASE WAIVER.
- ALLOW A MINIMUM OF 3 WORKING DAYS FOR REVIEW OF EACH SUBMISSION OF SHOP DRAWINGS. ALLOW MORE TIME WHEN LARGE QUANTITIES OF SHOP DRAWINGS ARE SUBMITTED. SUBMIT IN GENERAL CONFORMITY WITH THE SEQUENCE OF CONSTRUCTION INTENDED.
- MAKE CORRECTIONS REQUIRED BY PREVIOUS REVIEW BEFORE RESUBMITTING DRAWINGS. CLEARLY INDICATE ALL CHANGES AND ADDITIONS TO PREVIOUS SUBMISSION. DO NOT ADD NEW DETAILS TO DRAWINGS WHICH HAVE BEEN STAMPED AS REVIEWED OR NOTED.
- AFTER REVIEW, THE DRAWINGS WILL BE STAMPED AND RETURNED TO SHOW ONE OF THE FOLLOWING:

NOT REVIEWED	SHOWS WORK WHICH IS NOT WITHIN THE SCOPE OF STRUCTURAL CONSULTING SERVICES.
REVIEWED	CONTRACTOR APPEARS TO HAVE INTERPRETED THE CONTRACT DOCUMENTS CORRECTLY AND THE CONSULTANT HAS NO SPECIFIC COMMENT OR NOTES.
NOTED	THE CONTRACTOR SHALL ADDRESS THE NOTES FROM THE CONSULTANT PRIOR TO CONSTRUCTION. SUBMIT FINAL RECORD PRINT.
REVISE & RESUBMIT	ADDRESS COMMENTS AND RESUBMIT FOR REVIEW PRIOR TO FABRICATION.
- SUBMIT ENGINEER SEALED SHOP DRAWINGS WHEN REQUIRED BY SPECIFICATIONS. SHOP DRAWINGS NOT STAMPED, SIGNED, AND DATED WILL BE MARKED "RESUBMIT" AND RETURNED WITHOUT BEING REVIEWED.
- DO NOT COMMENCE FABRICATION UNTIL RETURNED SHOP DRAWINGS HAVE BEEN EXAMINED.
- PROVIDE FINAL RECORD DRAWINGS AFTER ALL CORRECTIONS ARE MADE.

## WOOD FRAMING

- UNLESS NOTED OTHERWISE, ALL WOOD FRAMING DETAILS TO BE IN ACCORDANCE WITH PART 4 OF **OBC 2012**.
- WOOD STRUCTURE TO BE ASSEMBLED IN DRY CONDITIONS.
- USE ONLY SEASONED LUMBER (MOISTURE CONTENT + 15%).
- DIMENSIONAL LUMBER: USE ONLY **NO.2+** GRADE (OR BETTER), SPF (SPRUCE-PIKE-FIR), UNLESS INDICATED OTHERWISE
- PRESSURE TREATED WOOD (PT):
  - ALL WOOD COMPONENTS TO BE PRESSURE TREATED.
- ALL CUT ENDS AND PENETRATIONS OF PRESSURE TREATED WOOD MEMBERS ARE TO BE COATED WITH A WOOD PRESERVATIVE OR SEALER
- WOOD CONNECTORS: ALL CONNECTORS SHOWN ARE BY SIMPSON STRONG TIE. PROVIDE CONNECTORS AS SHOWN, OR THOSE OF EQUIVALENT CAPACITY. FASTEN ALL CONNECTORS AS DIRECTED BY MANUFACTURER.
- WOOD BOLTS: ASTM A307
- LAG SCREWS: CSA B34 MACHINE THREADED (NOT CAST-THREADED), PREDRILL PRIOR TO LAG SCREW INSTALLATION.
- NAILS: CSA G40.21, ALL NAILS TO BE COMMON NAILS AND FOLLOW COMMON NAIL LENGTHS AND SHANK DIAMETERS. SUBSTITUTION OF COMMON NAILS WITH POWER DRIVEN NAILS OF THE SAME LENGTH AND DIAMETER IS ACCEPTABLE. SUBSTITUTION OF POWER DRIVEN NAILS OF SMALLER DIAMETER MUST BE APPROVED IN WRITING BY ENGINEER PRIOR TO USE. POWER DRIVEN NAILS NOT TO BE OVER-DRIVEN INTO WOOD OR SHEATHING.
- IF GALVANIZED CONNECTORS ARE USED, HOT DIP GALVANIZING: ASTM A123/A123M, MINIMUM ZINC COATING OF 610 g/m<sup>2</sup>. UNLESS NOTED OTHERWISE, ALL STEEL CONNECTORS TO BE STEELSS OR GALVANIZED.
- PROTECT ALL WOOD PRODUCTS FROM THE ELEMENTS AS REQUIRED TO MAINTAIN THEIR INTEGRITY
- PROVIDE ALL ERECTION BRACING REQUIRED TO KEEP THE STRUCTURE STABLE AND IN ALIGNMENT DURING CONSTRUCTION.
- MEMBER SIZES INDICATED ON DRAWINGS ARE A MINIMUM AND MAY BE INCREASED AS REQUIRED TO MEET DESIGN WITHOUT DETERRING FROM ORIGINAL DESIGN INTENT.
- NOTCHING AND DRILLING OF FRAMING MEMBERS THAT DO NOT CONFORM TO PART 4 OF THE REFERENCED BUILDING CODE MUST BE REVIEWED BY THE ENGINEER RESPONSIBLE FOR THOSE FRAMING MEMBERS. SIGNIFICANT NOTCHES CONFORMING TO PART 4 MAY BE REVIEWED AND REJECTED IF THEY COMPROMISE THE STRUCTURAL INTEGRITY.
- UNLESS OTHERWISE NOTED, ALL COMPONENTS OF BUILT UP MEMBERS TO BE CONTINUOUS FOR FULL SPAN. DO NOT SPLICE OR USE BUTT JOINTS.
- UNLESS OTHERWISE NOTED, ALL PLIES OF BUILT-UP BEAMS ARE TO BE FASTENED WITH A DOUBLE ROW OF 75MM (3") LONG COMMON NAILS. NAILS SPACED AT 400MM (16") C/C, STARTING 200MM (8") FROM EACH END, ROWS LOCATED 50MM (2") FROM TOP AND BOTTOM EDGES. IF APPLICABLE, THIRD AND FOURTH PLIES FASTENED TO FIRST TWO IN THE SAME WAY.
- PROVIDE ROWS OF BLOCKING BETWEEN JOISTS AT MAX. 2100MM (7'-0") SPACING C/C ALONG LENGTH OF SPAN, IN ADDITION TO BLOCKING SHOWN ON DRAWINGS, UNLESS NOTED OTHERWISE.
- DECK BOARDS TO BE FASTENED TO FRAMING WITH 75MM (3") LONG DECK SCREWS AT EVERY JUNCTION.

## CONCRETE

- CONCRETE IS SPECIFIED PER PERFORMANCE SPECIFICATION AS OUTLINED IN CANCSA A23.1. THE CONTRACTOR AND THE CONCRETE SUPPLIER TO MEET ALL CERTIFICATION, DOCUMENTATION, AND QUALITY CONTROL REQUIREMENTS.
- THE CONTRACTOR AND THE CONCRETE SUPPLIER ARE TO ENSURE THAT THE PLASTIC AND HARDENED MIX PROPERTIES MEET SITE -THE REQUIREMENTS FOR PLACING, FINISHING, AND ACHIEVING THE SPECIFIED PERFORMANCE REQUIREMENTS.
- UNLESS NOTED OTHERWISE:
  - CEMENT TO BE PORTLAND CEMENT TYPE GU UNLESS NOTED OTHERWISE OR REQUIRED BY EXPOSURE CLASS.
  - CONCRETE TO BE NORMAL DENSITY.
  - NOMINAL SIZE OF COURSE AGGREGATE TO BE 20 (3/4").
- PERFORMANCE REQUIREMENTS FOR CONCRETE TO BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE:

STRUCTURAL ELEMENT	COMPRESSIVE STRENGTH (MPa) 28 DAYS (SEE TABLE 2 A23.1-14), 98 DAYS FOR C1	EXPOSURE CLASS	REMARKS
GUARD PIERS AT RETAINING WALL	30	F1	-
CUT OFF WALL	35	C1	-

NOTES:  
NA
- REFER TO CANCSA A23.1 FOR PERFORMANCE REQUIREMENTS ASSOCIATED WITH EACH OF THE SPECIFIED EXPOSURE CLASS. (I.E. THE MAXIMUM WATER/CEMENT RATIO, MINIMUM COMPRESSIVE STRENGTH, AIR CONTENT, CURING REQUIREMENTS, CHLORIDE ION PENETRABILITY, AND ALTERNATE CEMENT TYPE TO MEET THE REQUIREMENTS FOR THE NOTED EXPOSURE CLASS.)
- PLACE CONCRETE IN A MANNER TO AVOID SEGREGATION. VIBRATE ALL CONCRETE.
- IMPLEMENT COLD WEATHER CONCRETING METHODS IN ACCORDANCE WITH CANCSA-A23.1. PROTECT CONCRETE FROM FREEZING. DO NOT PLACE CONCRETE AGAINST FROZEN GROUND.
- IMPLEMENT HOT WEATHER CONCRETING METHODS IN ACCORDANCE WITH CANCSA-A23.1. PROTECT CONCRETE FROM EXCESSIVE HEAT AND DRYING.

## FOUNDATIONS

- THE STRUCTURAL DESIGN IS BASED ON THE GEOTECHNICAL REPORT PREPARED BY: GEOTECHNICAL FIRM: ST. LAWRENCE TESTING & INSPECTION CO. LTD. REPORT/INTERNAL PROJECT NUMBER: 210212 DATED: JANUARY 25, 2021
- UNLESS INDICATED ON DRAWINGS, REFER TO THE GEOTECHNICAL REPORT FOR INFORMATION ON SOILS/SUBGRADE CONDITIONS, RECOMMENDATIONS FOR FOUNDATION CONSTRUCTION, AND FOR ALL EARTHWORK INCLUDING EXCAVATION, BACKFILL, AND SUBGRADE PREPARATION.
- THE ASSUMED SOIL BEARING RESISTANCE AT FOOTING LEVEL: ULS (ULTIMATE LIMIT STATES DESIGN): **150 KPa** SLS (SERVICEABILITY LIMIT STATES DESIGN): **100 KPa** WITH COMPACTED ENGINEERED BACKFILL ABOVE NATIVE UNDISTURBED SOIL.
- BEARING SURFACE TO BE APPROVED BY THE GEOTECHNICAL CONSULTANT PRIOR TO CONSTRUCTING FOOTINGS OR LAYING ARMOR STONE BLOCKS OF THE RETAINING WALL.
- REFER TO DETAILS FOR FOOTING AND FOUNDATION DESIGN.
- LOCATE BASE OF RETAINING WALL AT ELEVATIONS INDICATED ON DRAWINGS.
- PRIOR TO EXCAVATION, LOCATE ALL EXISTING UNDERGROUND SERVICES.
- DO NOT USE EARTH FORMS UNLESS APPROVED IN WRITING. FOR ELEMENTS CAST AGAINST SOIL, INSTALL BOTTOM STEEL OF CONCRETE STRUCTURAL ELEMENT TO OBTAIN 75MM (3") CONCRETE COVER.
- FOR ELEMENTS THAT ARE TO BE BACKFILLED ON BOTH SIDES, PLACE BACKFILL SIMULTANEOUSLY ON BOTH SIDES SUCH THAT HEIGHTS DO NOT VARY BY MORE THAN 300 (12") FROM ONE SIDE TO THE OTHER.
- COMPACTION TESTING TO BE UNDERTAKEN AT ALL LOCATIONS REQUIRING COMPACTION (WHEREVER MENTIONED) TO A CERTAIN % OF (SPMD) TO ENSURE SOIL AND BACKFILL ARE ADEQUATELY COMPACTED.

## EXCAVATION

- BEFORE EXCAVATION, CONTRACTOR IS TO VERIFY THE EXISTENCE OF PUBLIC SERVICES, FOR CONDUITS OR SERVICES WHICH INTERFERE WITH THE EXECUTION OF WORK, THE CONTRACTOR IS RESPONSIBLE TO PROTECT AND TEMPORARILY SUPPORT FOUND UTILITIES.
- THE CONTRACTOR IS TO ENGAGE WITH THEIR OWN EXPERTS TO DETERMINE ANY DIFFICULTIES AND METHODS OF EXCAVATION, AND TO ASSUME THE COSTS INCURRED IN CONSTRUCTION AND HANDLING OF EXCAVATION SLOPES AS REQUIRED TO ENSURE THEIR STABILITY
- CARRY OUT EXCAVATION WORK FOLLOWING RECTILINEAR CONTOURS, LEAVING SUFFICIENT SPACE FOR THE CONSTRUCTION OF RETAINING WALLS, AND MAINTAIN SLOPE STABILITY FOLLOWING THE REQUIREMENTS OF OSHA.
- ALL FOUNDATIONS MUST REST ON NON-ORGANIC NATURAL SOIL. THE SOIL AT THE BASE OF EXCAVATIONS MUST THEREFORE BE DRY, AND FREE OF DEBRIS AND ORGANIC MATERIAL.
- REMOVE WATER FROM THE BOTTOM OF EXCAVATIONS AND KEEP PUMPS AVAILABLE.

## FOOTING PAD NOTES

- PROVIDE ENGINEERED FILL FOOTING PAD AS PER CROSS SECTION
- SUBGRADE BELOW PAD TO BE ASSESSED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT. ANY TOPSOIL, LOOSE, WET OR DISTURBED SOIL IS TO BE REMOVED WITH PAD MATERIAL
- PAD TO EXTEND OVER FULL WIDTH OF RAMP RETAINING WALLS PLUS AN ADDITIONAL 300MM ON EITHER SIDE
- PAD TO EXTEND 300MM BEYOND EDGES OF BOTTOM OR FOUNDATION BLOCK BOTH IN FRONT OF AND BEHIND WALL
- PAD TO HAVE A MINIMUM THICKNESS OF 300MM
- PAD TO BE COMPOSED OF GRANULAR A COMPACTED TO 100% SPMD

## DRAINAGE LAYER NOTES (TYP. FOR ALL WALLS)

- LAYER TO BE 300MM THICK, LOCATED IMMEDIATELY BEHIND BOTTOM BLOCK/ COURSE
- TO BE COMPOSED OF 19MM OPSS CLEAR CRUSHED STONE
- TO BE PROVIDED WITH A 100MM Ø PERFORATED PVC WEEP PIPE, BASE OF THE PIPE TO BE LOCATED AT BASE OF BOTTOM BLOCK. WEEP PIPE TO BE PROVIDED WITH A DISCHARGE OUTLETS THROUGH THE BOTTOM COURSE OF BLOCK (EVENLY DISTRIBUTED ALONG FULL WALL LENGTH)
- DRAINAGE LAYER TO BE WRAPPED IN AN INDEPENDENT UNWOVEN GEOTEXTILE AS PER THE FOLLOWING:
  - GEOTEXTILE TO MEET OPSS 1860 CLASS II REQUIREMENTS
  - AT ALL SEAMS, THE GEOTEXTILE IS TO OVERLAP AT LEAST 500MM

## GENERAL ARMOR STONE NOTES

- ALL ARMOR STONES (FOR RETAINING WALL) TO HAVE A CROSS-SECTION OF 400x600MM (16" x 24"), OR LARGER
- ALL ARMOR STONES TO BE PRECAST CONCRETE OR MEDIUM OR HIGH-DENSITY STONE, MIN. 2340 KG/M3 (23 KN/M3)
- BATTER OR OFFSET OF 50MM BETWEEN COURSES, ADJUST TO SUIT LARGER STONES IF APPLICABLE
- LENGTH OF INDIVIDUAL BLOCKS OR STONES IS VARIABLE TO SUIT PROJECT NEEDS, SO LONG AS THE FOLLOWING CONSTRAINTS ARE RESPECTED:
  - NO BLOCKS MAY BE LESS THAN 500MM (20") LONG
  - BLOCKS ARE TO BE ARRANGED IN A RUNNING-BOND PATTERN WITH VERTICAL JOINTS NO LESS THAN 200MM (8") AWAY FROM THE VERTICAL JOINTS OF ADJACENT COURSES
  - IF THERE IS VARIABILITY IN BLOCK/STONE SIZE, USE LARGER BLOCKS FOR LOWER COURSES, ABOVE GRADE, IN AREA WITH TALLEST WALL, (COURSE 3, NEAR ESCARPMENT)

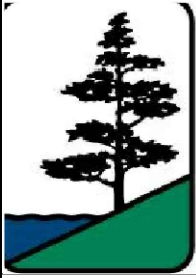
## DESIGN LOADS

- THE VALUES FOR CLIMATIC DATA USED IN THE DETERMINATION OF DESIGN LOADS HAVE BEEN OBTAINED FROM THE 2015 NBC/C FOR THE SPECIFIC LOCATION OF **PERTH, ON**.
- SELF WEIGHT (SWT) IS DUE TO THE WEIGHT OF THE STRUCTURE ITSELF. IT VARIES WITH THE STRUCTURAL SYSTEM.
- SUPERIMPOSED DEAD LOADS (SDL) ARE NON-STRUCTURAL DEAD LOADS DUE TO NON-STRUCTURAL TOPPING, FINISHES, PARTITIONS, ROOFING MATERIALS, SUSPENDED EQUIPMENT, PAVERS, SOIL, ETC.
- DEAD LOAD (DL) IS THE SELF WEIGHT OF THE STRUCTURE PLUS THE SUPERIMPOSED DEAD LOAD.
- GRAVITY LOADS ARE SHOWN ON PLANS.
- UNLESS OTHERWISE NOTED, DESIGN LOADS SHOWN ARE SPECIFIED (UNFACTORED) LOADS, TO BE USED FOR ULS DESIGN.
- LIVE LOAD BOARDWALK:  
SUPERIMPOSED LIVE LOAD ON PATHWAY FOR RETAINING WALL DESIGN: **4.8 KPa** (ASSEMBLY OCCUPANCY)  
**4.8 KPa**
- SNOW:  
SNOW LOAD ON GROUND SURFACE: **2.32 KPa**
- DEAD:  
SELF-WEIGHT OF BOARDWALK FOR DESIGN PURPOSES: **6.6 KPa**
- SNOW:  
SNOW LOADS DO NOT EXCEED LIVE LOADS
- PARAMETERS USED IN RETAINING WALL STRUCTURAL ANALYSIS:
  - BACKFILL:
    - DENSITY,  $\gamma = 22 \text{ KN/M}^3$
    - ANGLE OF INTERNAL FRICTION,  $\phi_{int} = 38^\circ$
  - ACTIVE SOIL PRESSURE COEFFICIENT,  $K_a = 0.31$
  - SEISMIC PARAMETERS:  $PGA = 0.302$ ,  $R_v = 1.3$ ,  $R_d = 0.3$ ,  $PGA$  APPLIED AT 0.33H
  - SLIDING COEFFICIENT OF FRICTION BETWEEN BLOCKS  $\mu = 0.533$

## CONCRETE REINFORCEMENT

- ALL CONCRETE REINFORCEMENT AND STEEL WIRE USED FOR REBAR TIES TO BE GALVANIZED AS PER CSA G-164-M92: 610GMP
- REINFORCEMENT TO CONFORM TO THE FOLLOWING STANDARDS:
  - DEFORMED BARS - CANCSA G30.18, GRADE 400W, WHERE REBAR IS SHOWN TO BE WELDED USE GRADE 400W.
- BARS MARKED CONTINUOUS TO BE TERMINATED IN STANDARD HOOKS AT ENDS WHICH EXTEND TO FAR FACE OF ELEMENT AND SPLICED USING CLASS B LAPS
- ALL REBAR HOOKS TO BE STANDARD LENGTH 90° OR 180° HOOKS. REBAR LENGTHS LISTED ON DRAWINGS DO NOT INCLUDE THE HOOK LENGTH. REFER TO RISC MANUAL OF STANDARD PRACTICE FOR STANDARD HOOKS.
- PROVIDE ADDITIONAL SUPPORT BARS AS REQUIRED TO PREVENT MOVEMENT OF REINFORCEMENT DURING CONSTRUCTION AND WHEN PLACING CONCRETE.
- PROVIDE SUFFICIENT SUPPORT TO MAINTAIN SPECIFIED CONCRETE COVER.
- ALL REINFORCING TO BE CLEAN, FREE OF LOOSE SCALE, OIL, DIRT, RUST, AND ANY OTHER SUBSTANCE THAT MAY AFFECT BONDING CAPACITY.
- MINIMUM CLEAR CONCRETE COVER TO REINFORCEMENT CLOSEST TO THE SURFACE TO BE AS TABULATED BELOW UNLESS NOTED OTHERWISE ON THE DRAWINGS.

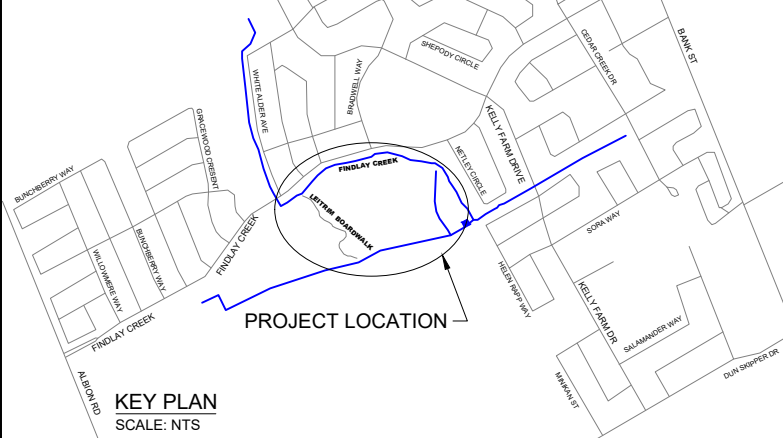
STRUCTURAL ELEMENT	EXPOSED
BOTTOM OF CUT OFF WALL	75 (3")
SIDES OF CUT OFF WALL	60 (2-3/8")
TOP OF CUT OFF WALL	50 (2")
NOTES: 1. EXPOSED MEANS IN DIRECT CONTACT WITH EARTH AND/OR WEATHER, OR IN UNEARTHED AREAS 2. LARGEST COVER REQUIRED GOVERNS	



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2	2022-11-11	T.P./Y.H.		ISSUED FOR 90% REVIEW
1	2022-10-07	T.P./Y.H.		ISSUED FOR 50% REVIEW

No.	YYYYMMDD	DSGNDRFT	REVISION COMMENTS	

**SNCA - FINDLAY  
CREEK BOARDWALK  
OTTAWA, ONTARIO**  
~  
**STRUCTURAL NOTES, KEY PLAN,**

**Jp2g Consultants Inc.**  
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12 INTERNATIONAL DRIVE, PEMBROKE, ON  
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1150 MORRISON DRIVE, SUITE 410, OTTAWA, ON  
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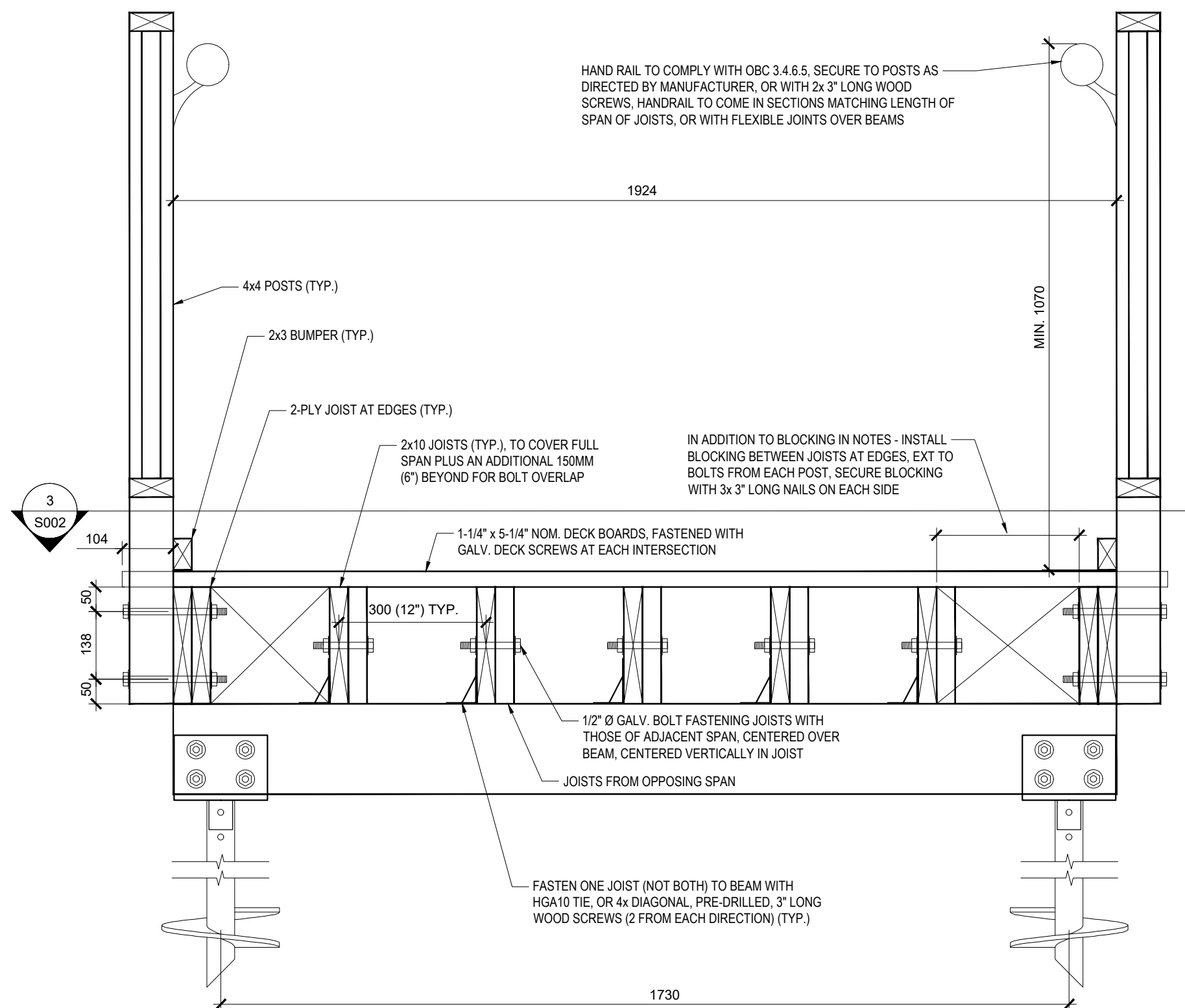
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DRAFTED: YH	REVISION DATE: 2022-09-22
CHECKED: TP	APPROVED: TP
SCALE:	REVISION No.: 0
	CLIENT REF No.: XX-2022-09

**S001**

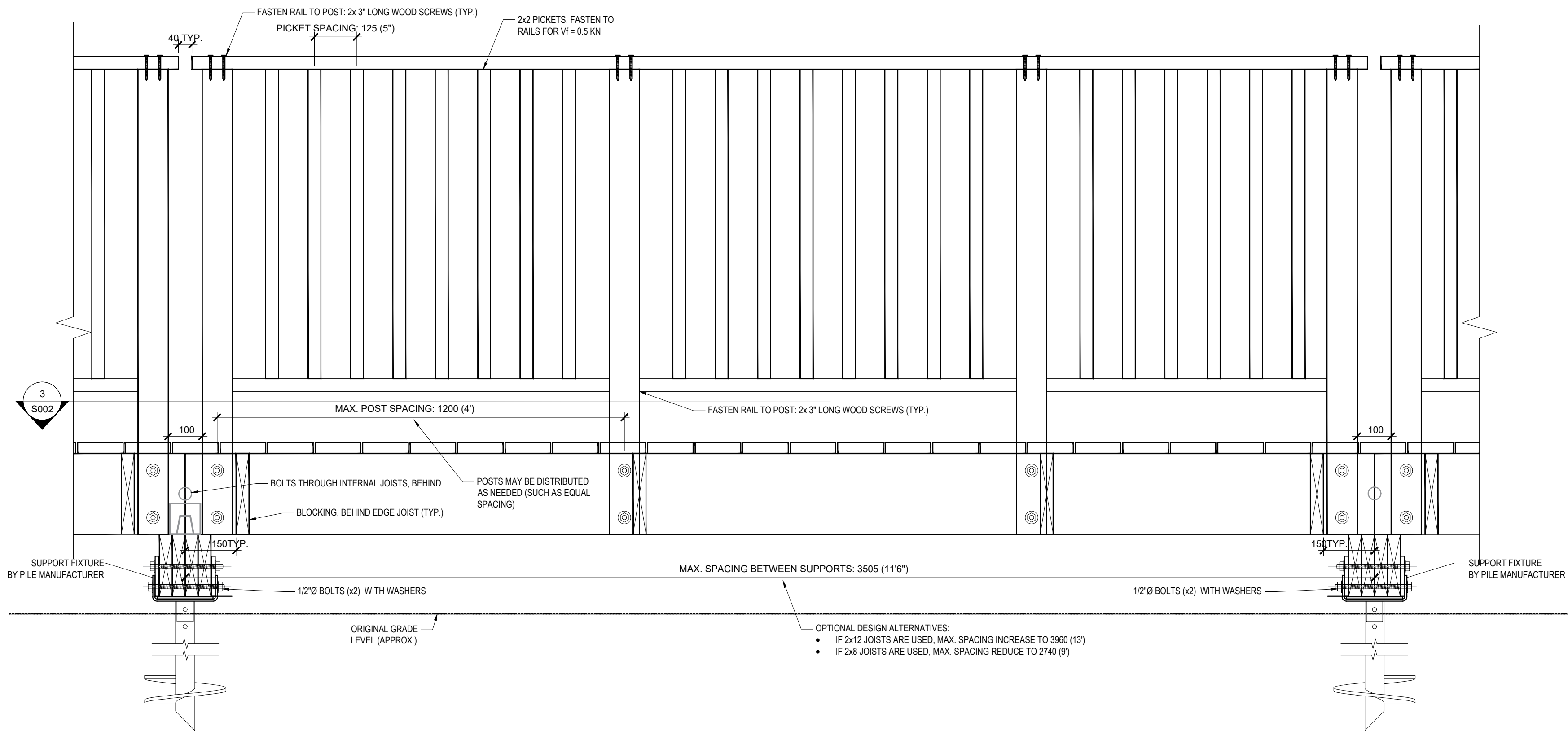
22-1042A - SNCA - FINDLAY CREEK BOARDWALK- STRUCTURAL.DWG



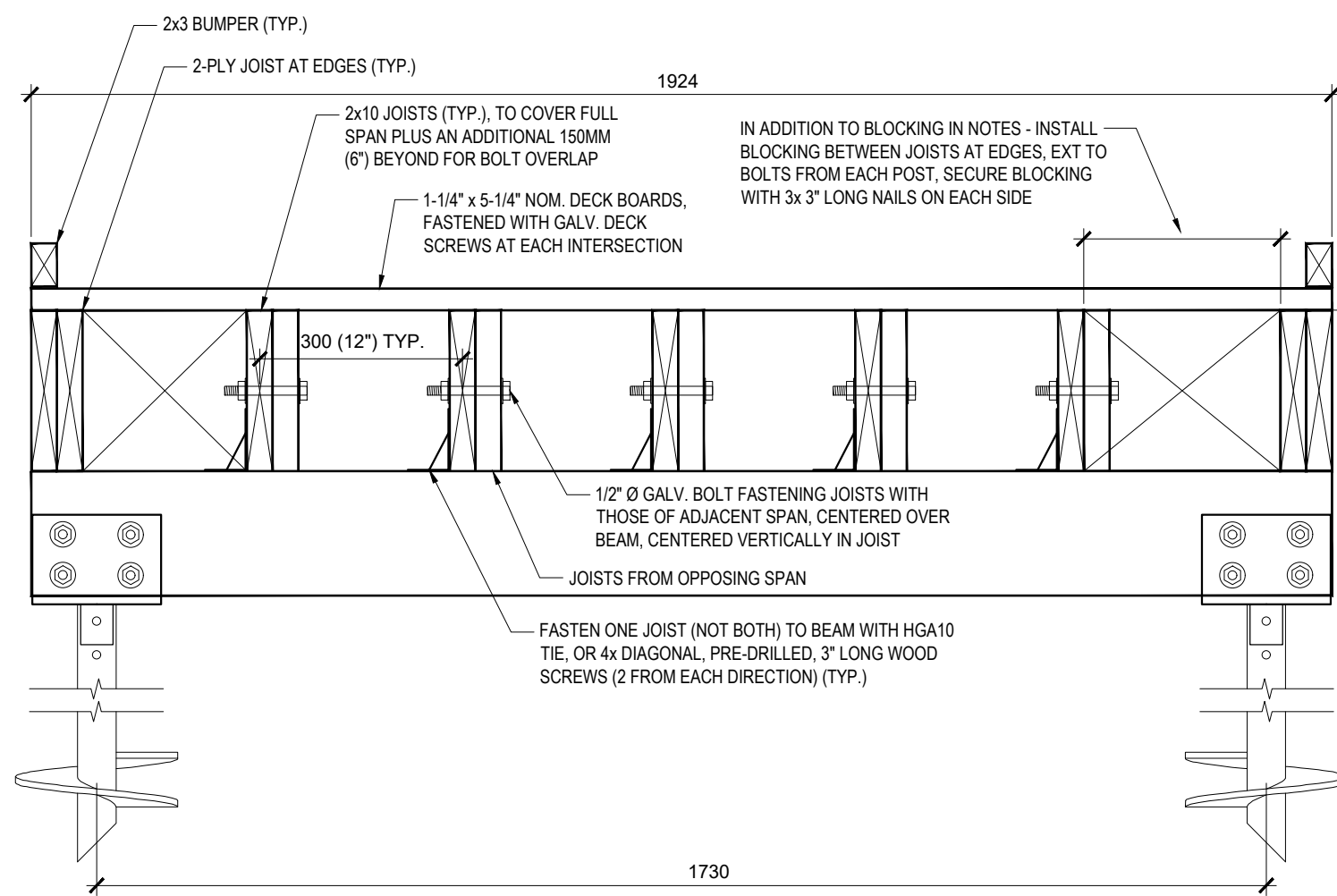
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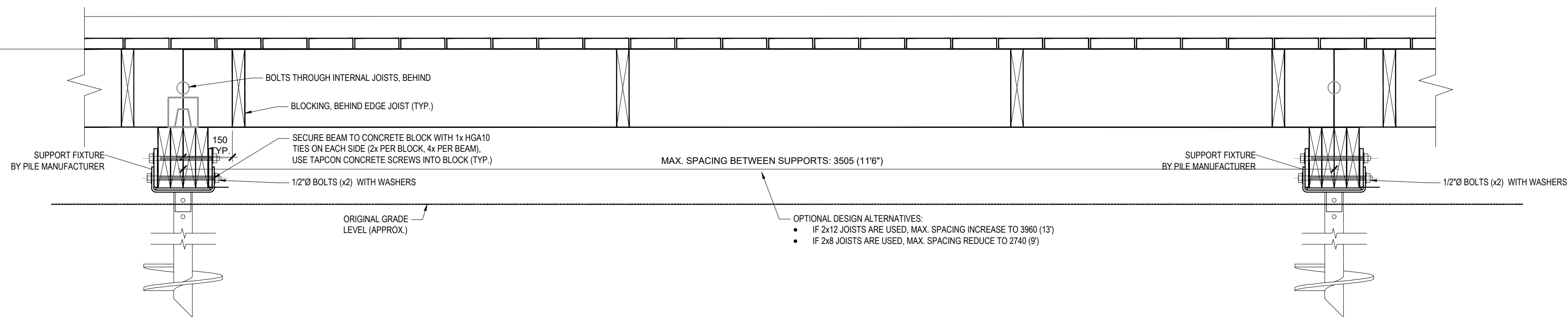
1 BOARDWALK WITH GUARD, SECTION (TYP.)  
S002 SCALE: 1:10



2 BOARDWALK WITH GUARD, ELEVATION (TYP.)  
S002 SCALE: 1:10

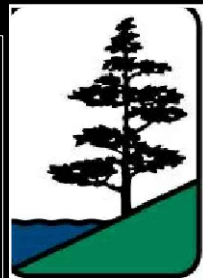


3 BOARDWALK WITHOUT GUARD, SECTION (TYP.)  
S002 SCALE: 1:10



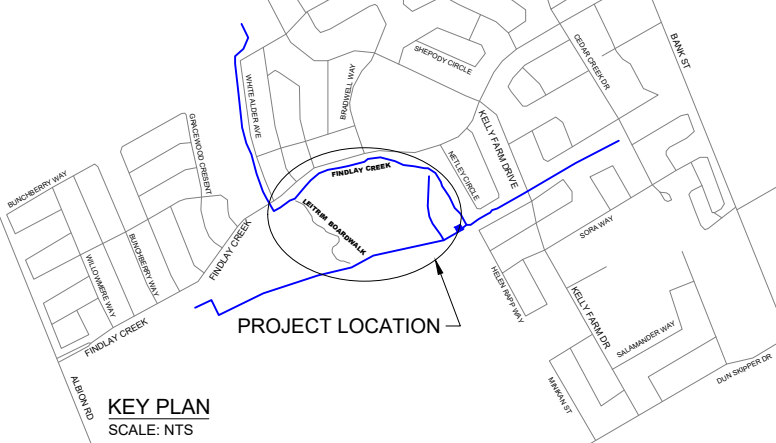
4 BOARDWALK WITHOUT GUARD, ELEVATION (TYP.)  
S002 SCALE: 1:10

NOTE: CONSTRUCT AS PER DETAIL 1, 2/S002 FOR BOARDWALK WITH GUARD, CONSTRUCT AS PER DETAIL 3, 4/S002 FOR BOARDWALK WITHOUT GUARD. REFER TO CIVIL DRAWINGS FOR LOCATIONS WHERE A GUARD IS REQUIRED.



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KEYPLAN  
SCALE: NTS

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3			
2	2022-11-11	T.P./Y.H.	ISSUED FOR 90% REVIEW
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No.	YYYYMMDD	DSGNDRFT	REVISION COMMENTS

## SNCA - FINDLAY CREEK BOARDWALK OTTAWA, ONTARIO

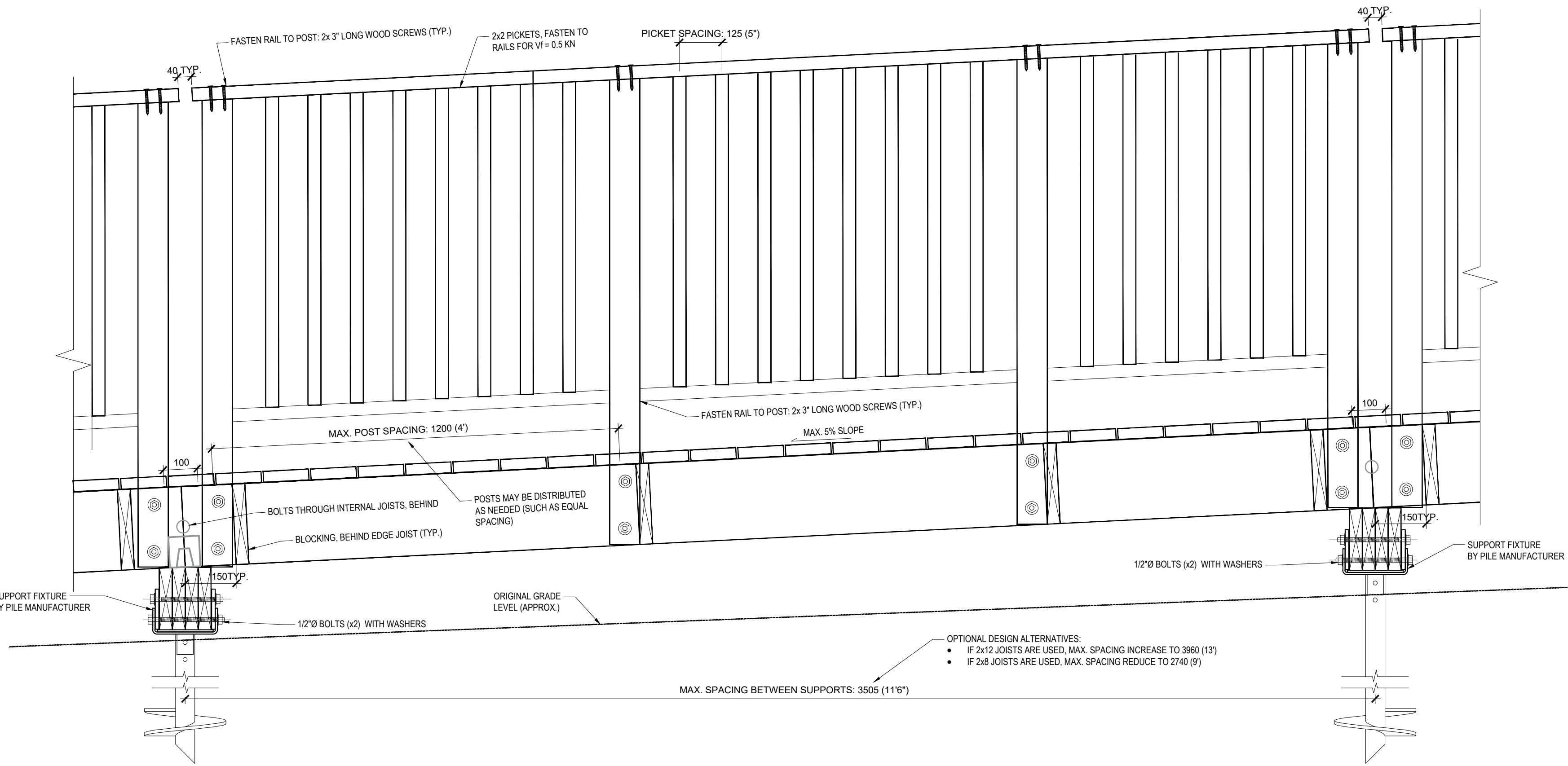
### BOARDWALK TYP. SECTIONS

**Jp2g Consultants Inc.**  
ENGINEERS • PLANNERS • PROJECT MANAGERS  
12 INTERNATIONAL DRIVE, PEMBROKE, ON  
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1150 MORRISON DRIVE, SUITE 410, OTTAWA, ON  
Phone: (613) 828-7800, Fax: (613) 828-2600

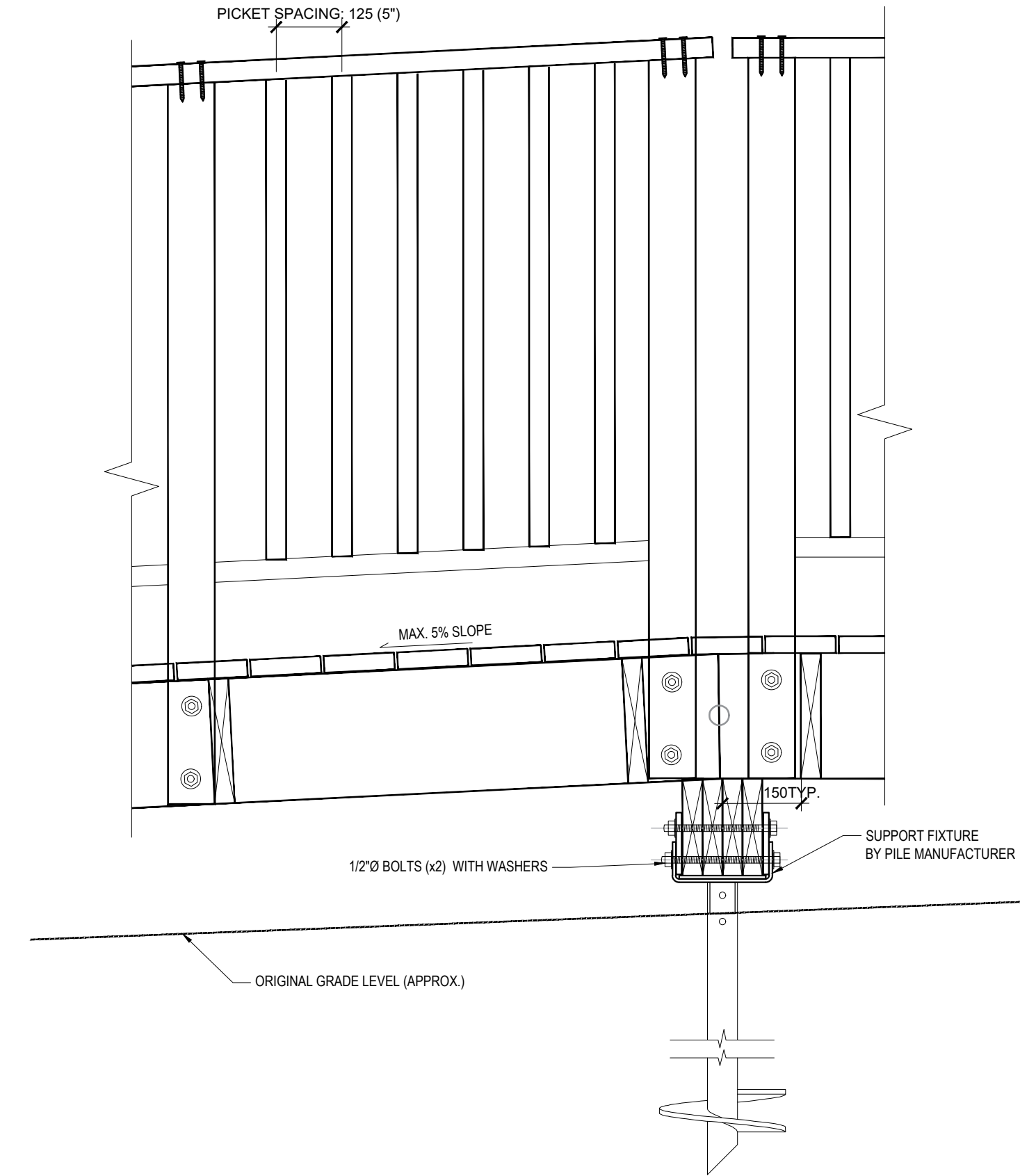
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CHECKED: TP	APPROVED: REVISION No.:
SCALE:	CLIENT REF No.: XX-2022-09

**S002**

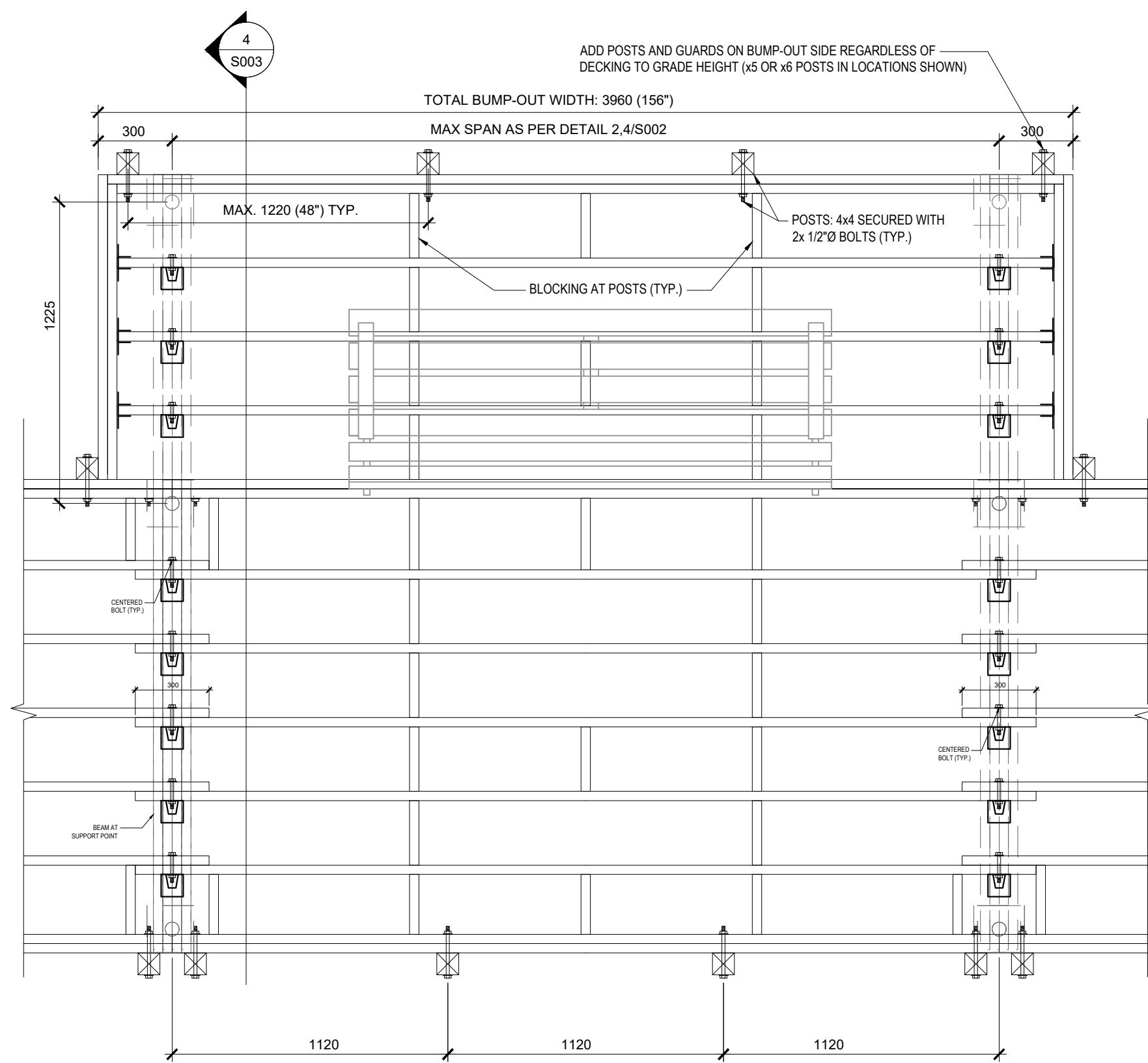
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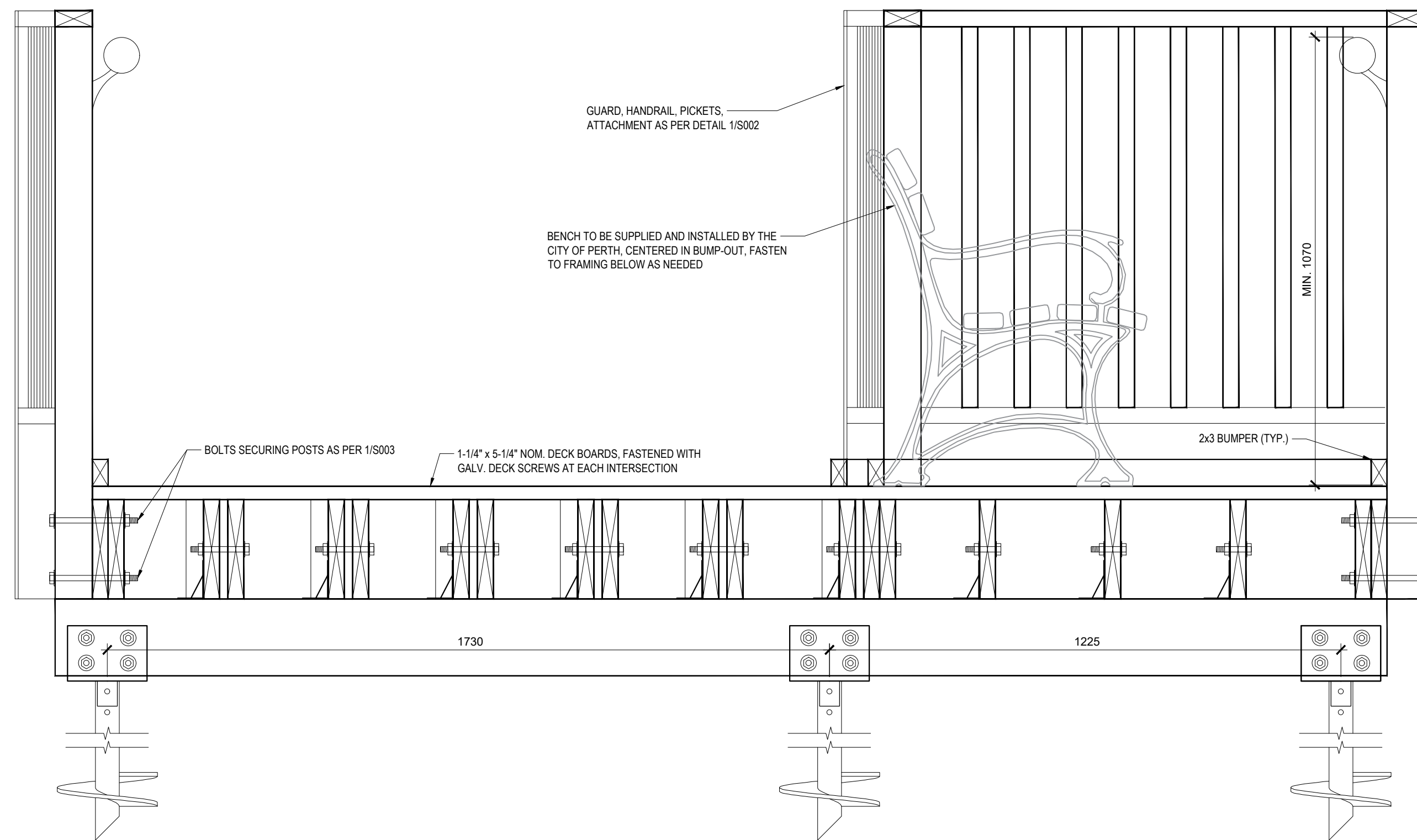
1 BOARDWALK WITH GUARD, SECTION (TYP.)  
SCALE: 1:10



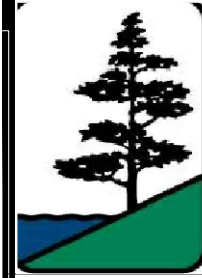
2 BOARDWALK WITH GUARD, SECTION (TYP.)  
SCALE: 1:10



3 FRAMING PLAN AT BOARDWALK BUMP OUTS (TYP.)  
SCALE: 1:20



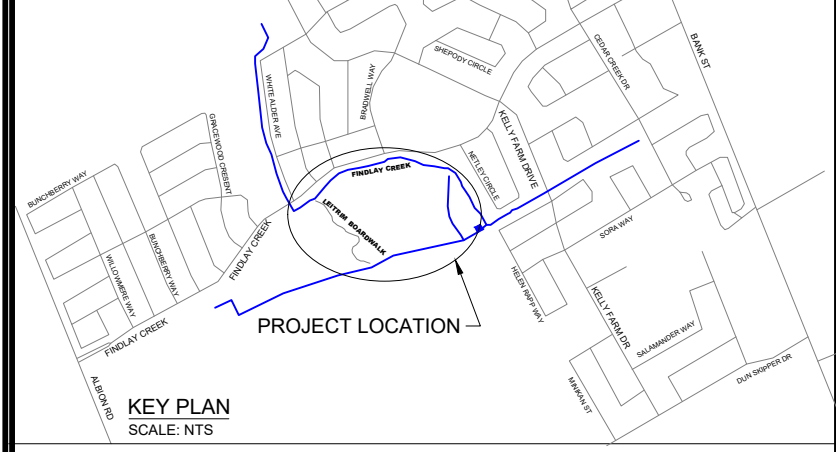
4 BUMP OUTS AT BOARDWALK, SECTION (TYP.)  
SCALE: 1:10



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SCALE: NTS

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No.	YYYYMMDD	DSGNDRFT	REVISION COMMENTS

**SNCA - FINDLAY  
CREEK BOARDWALK  
OTTAWA, ONTARIO**

**TYP. SLOPE SECTIONS,  
BUMP OUTS PLAN & SECTION**

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Phone: (613) 735-2507, Fax: (613) 735-4513  
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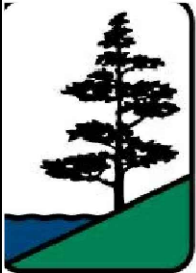
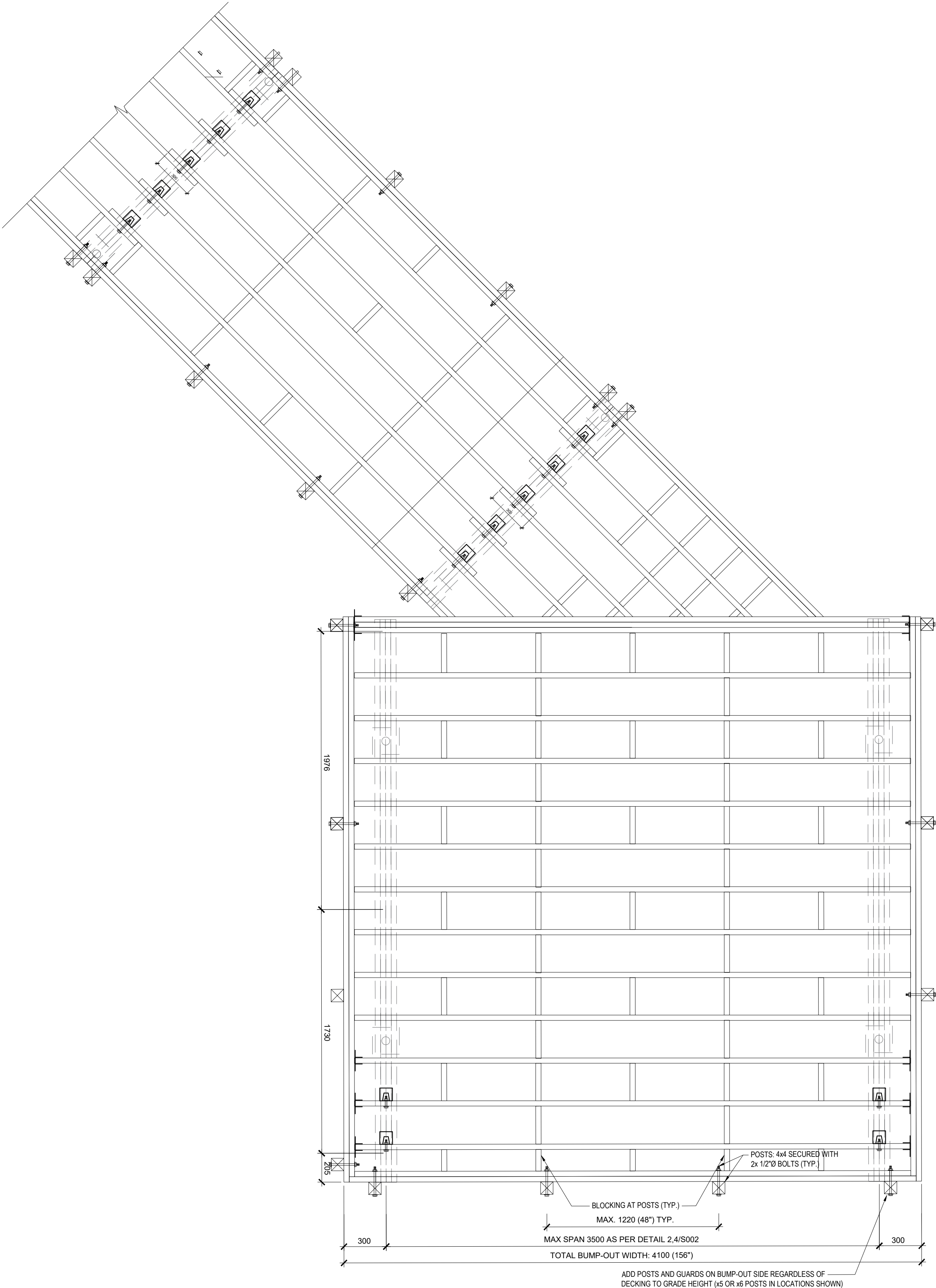
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**S003**

22-1042A - SNCA - FINDLAY CREEK BOARDWALK - STRUCTURAL.DWG



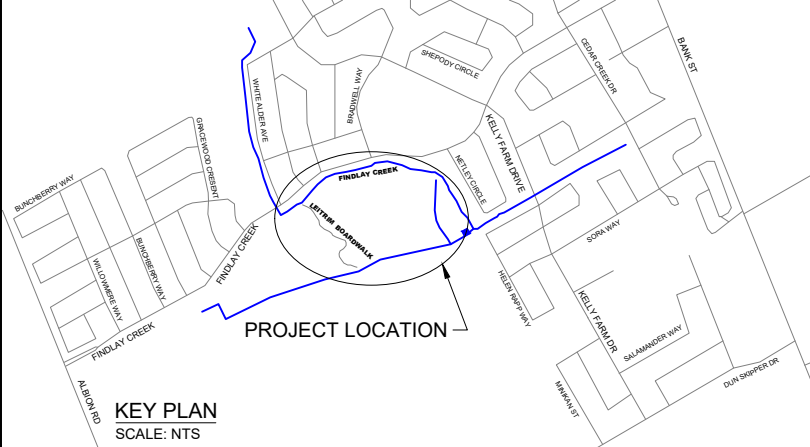
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1	2022-10-07	T.P./Y.H.	ISSUED FOR 50% REVIEW
No.	YYYYMMDD	DSGN/DRAFT	REVISION COMMENTS

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SNCA - FINDLAY  
CREEK BOARDWALK  
OTTAWA, ONTARIO

~

FRAMING PLAN AT BOARDWALK  
VIEWING PLATFORM

J2J

Jp2g Consultants Inc.

ENGINEERS • PLANNERS • PROJECT MANAGERS

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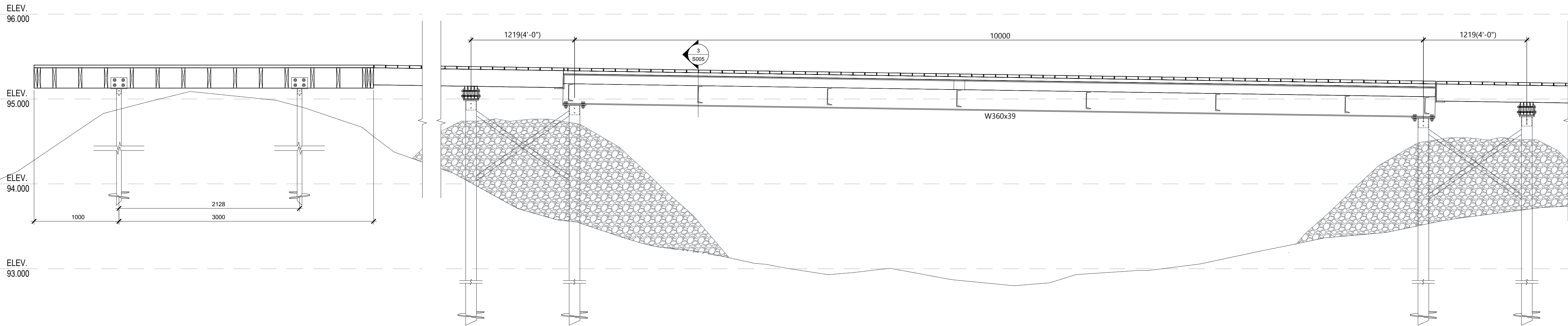
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CHECKED: TP	APPROVED: REVISION No.:
SCALE:	CLIENT REF No.: XX-2022-09

S004

DWG NAME: J:\1\MULTIDISC\IN\2022\22-1042A - SNCA - FINDLAY CREEK BOARDWALK STRUCTURAL.DWG LAYOUT: S004 SAVED ON: November 11, 2022 BY: JAH

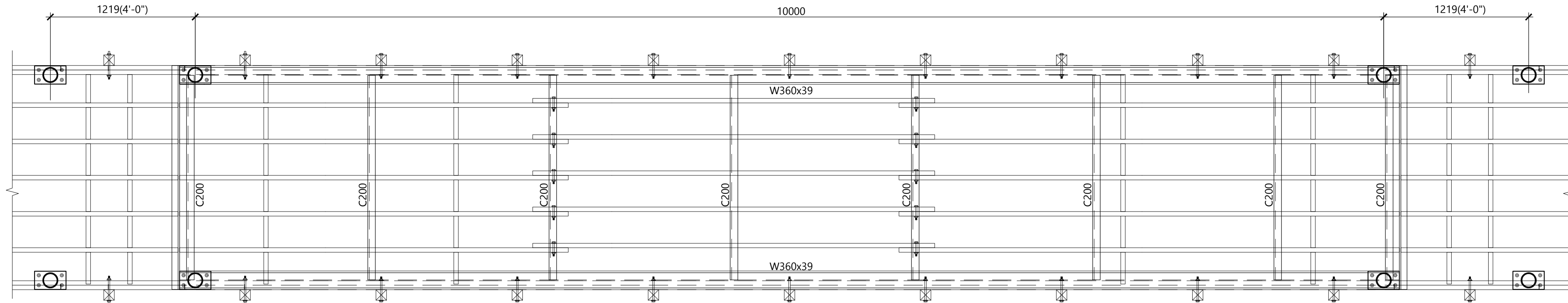
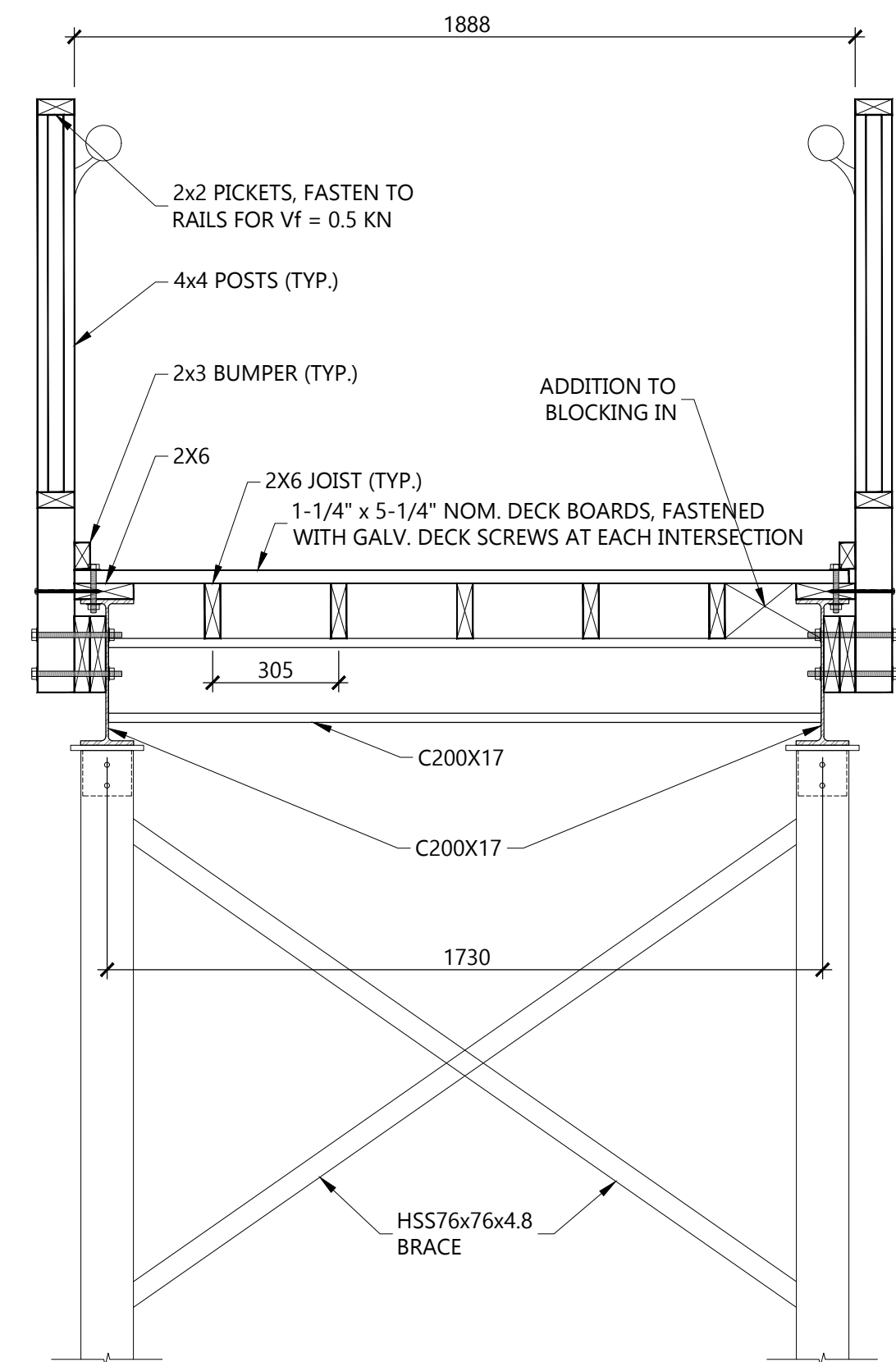


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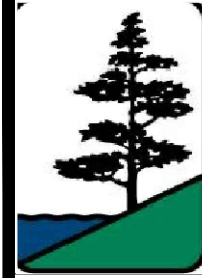


2 SECTION  
SCALE: 1:25

1 SECTION  
SCALE: 1:25



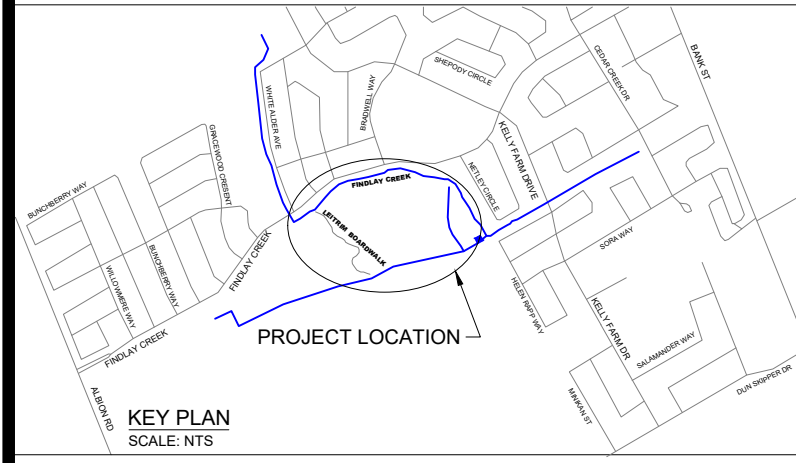
2 BRIDGE PLAN VIEW  
SCALE: 1:25



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KEY PLAN  
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No.	YYYYMMDD	DSGN/DORT	REVISION COMMENTS
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**SNCA - FINDLAY  
CREEK BOARDWALK  
OTTAWA, ONTARIO**

~

**BRIDGE PLAN, SECTIONS  
& DETAIL**

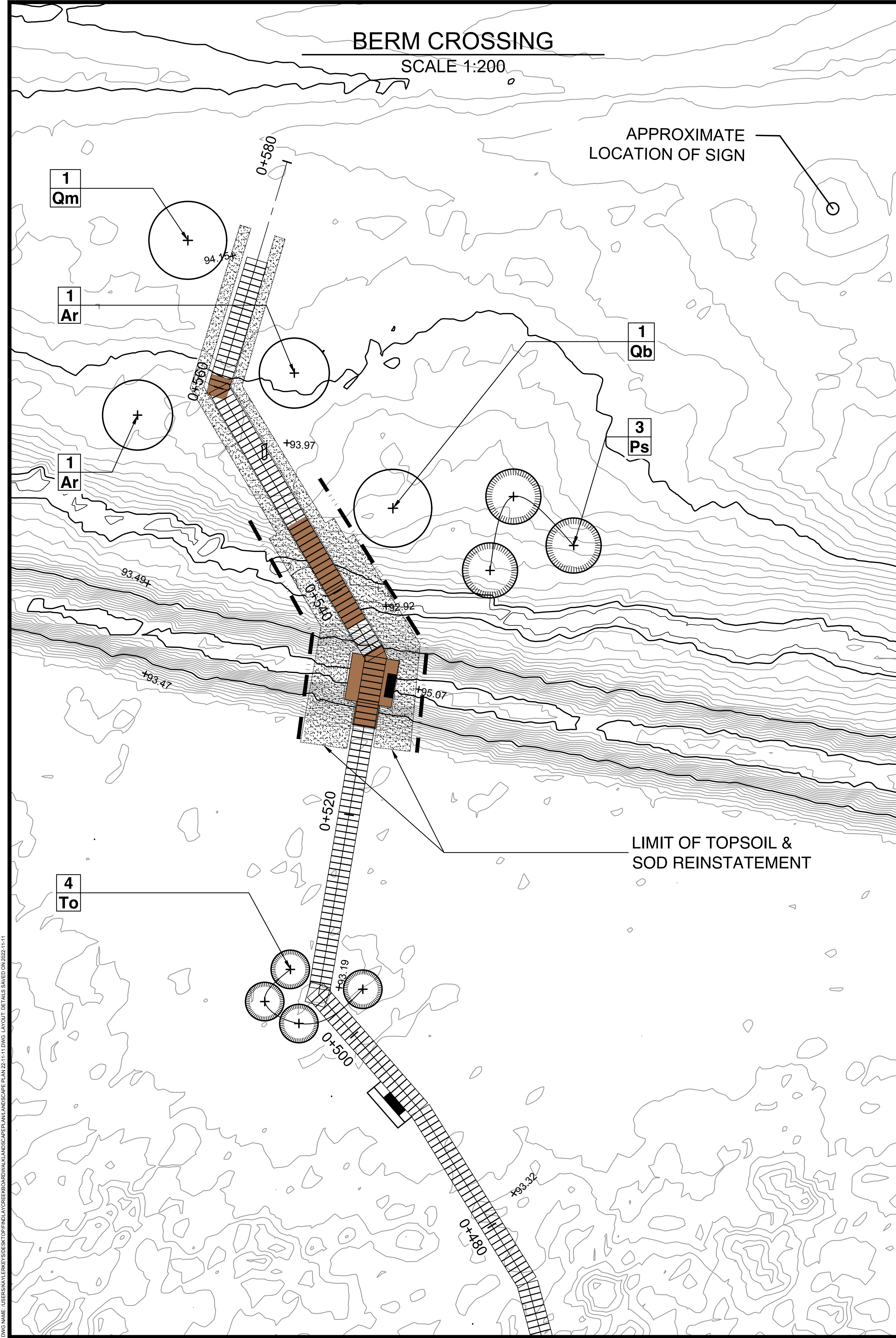
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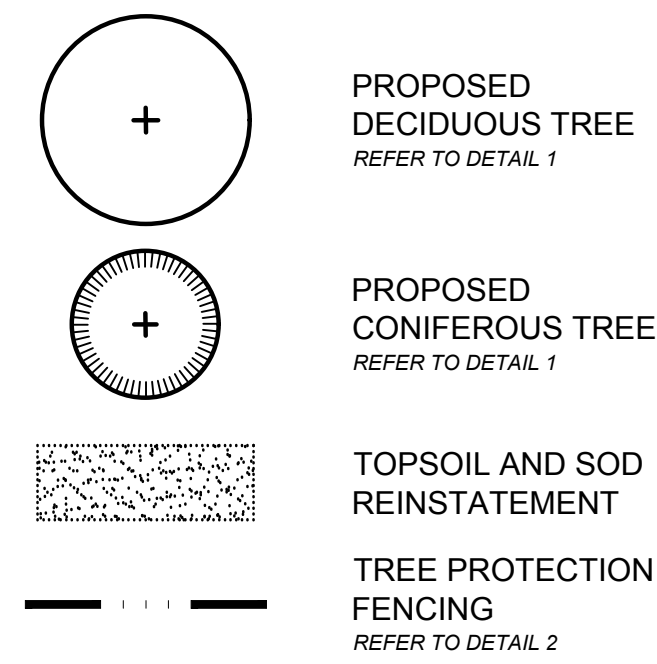
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SCALE:	CLIENT REF No.: XX-2022-09

**S005**





**LEGEND**

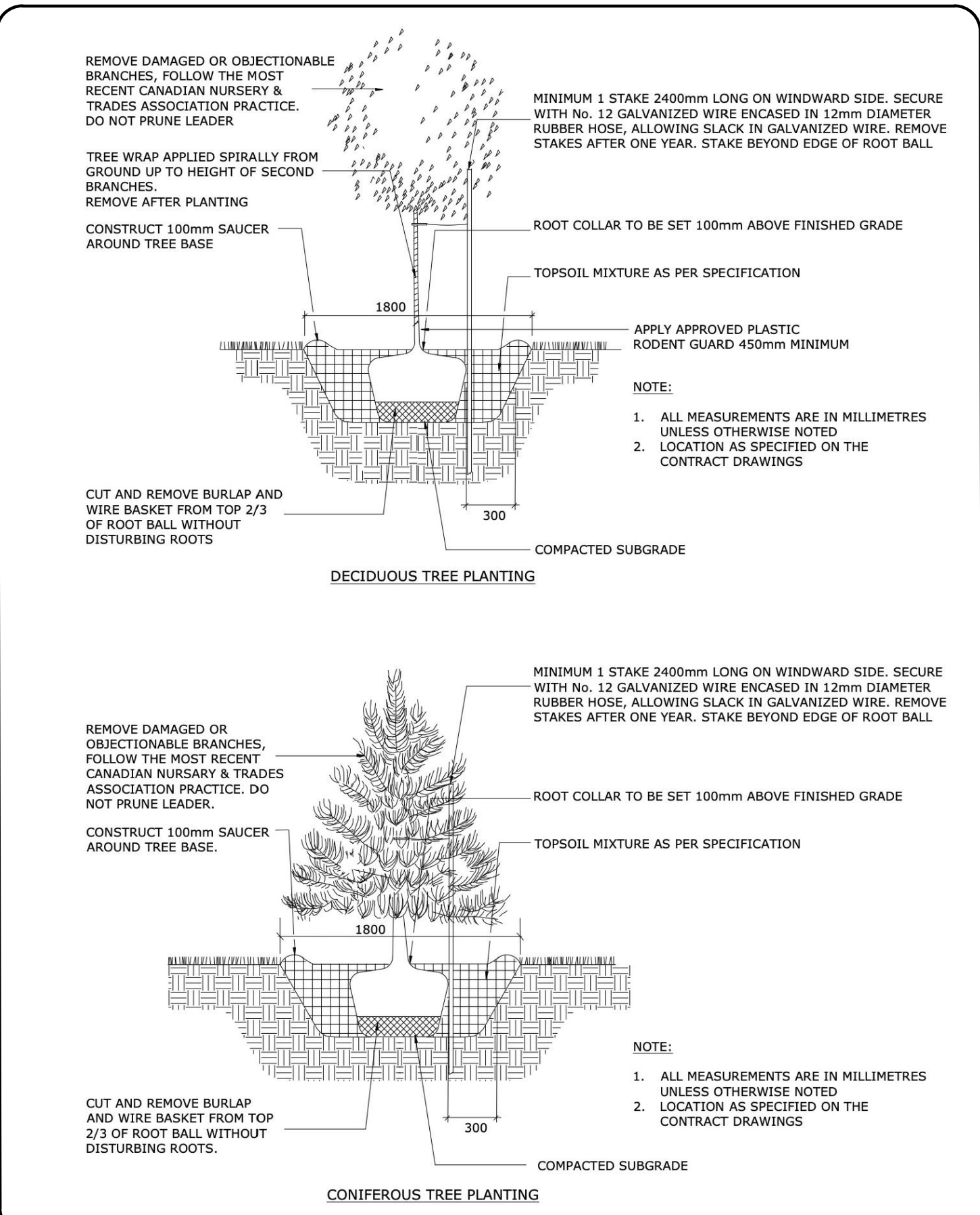


**PLANT LIST**

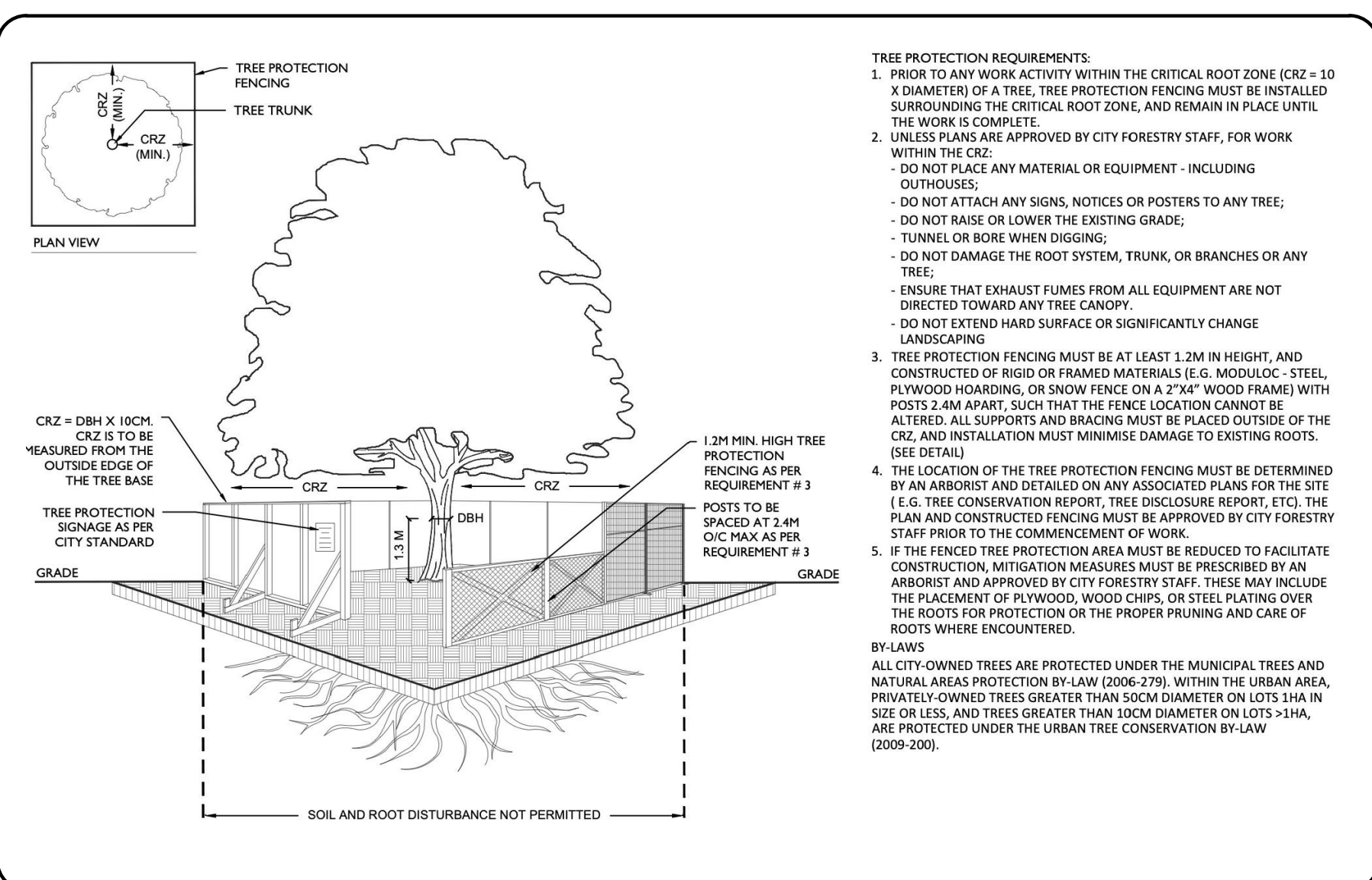
KEY	QTY	BOTANICAL NAME	COMMON NAME	CAL/ HT.	CONDITION/REMARKS
DECIDUOUS TREES					
Ar	2	Acer rubrum	Red Maple	50 mm Cal	Wire Basket
Qb	1	Quercus bicolor	Swamp White Oak	50 mm Cal	Wire Basket
Qm	1	Quercus macrocarpa	Burr Oak	50 mm Cal	Wire Basket
CONIFEROUS TREES					
Ps	3	Pinus strobus	Eastern White Pine	200 cm ht.	Wire Basket
To	4	Thuja occidentalis	Eastern White Cedar	200 cm ht.	Wire Basket

**PLANTING NOTES**

1. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING SERVICES / UTILITIES IN THE FIELD PRIOR TO ANY CONSTRUCTION.
2. REFER TO ENGINEERING DRAWINGS FOR ALL REMOVALS.
3. THE CONTRACTOR SHALL INSTALL AND MAINTAIN TREE PROTECTION FENCING AS NOTED ON THE DRAWINGS DURING CONSTRUCTION PHASE.
4. ALL LAYOUT FOR PROPOSED PLANT MATERIAL TO BE STAKED BY THE CONTRACTOR AND VERIFIED AND APPROVED BY PROJECT MANAGER PRIOR TO ANY PLANTING.
5. REPORT ANY DISCREPANCIES PRIOR TO COMMENCING WORK. NO RESPONSIBILITY IS BORNE BY THE OWNER AND PROJECT MANAGER FOR UNKNOWN SUBSURFACE CONDITIONS.
6. REINSTATE ALL AREAS AND ITEMS THAT ARE DAMAGED ON SITE AND REPORT ANY ERRORS AND/OR OMISSIONS TO THE PROJECT MANAGER.
7. WITH THE EXCEPTION OF THE CITY OF OTTAWA CONSTRUCTION SPECIFICATION & STANDARD DETAILS, THE ONTARIO PROVINCIAL STANDARDS (OPSD) & STANDARD SPECIFICATIONS (OPSD) SHALL APPLY.
8. THIS DRAWING IS TO BE READ AND INTERPRETED IN CONJUNCTION WITH THE CONTRACT DRAWINGS AND SPECIFICATIONS.
9. ALL PLANT MATERIAL SHALL BE NURSERY GROWN STOCK UNLESS OTHERWISE NOTED.
10. DECIDUOUS TREES TO HAVE A MINIMUM 1800 CLEAR STEM ABOVE GRADE.
11. ALL PLANT MATERIAL SHALL BE WARRANTIED FOR TWO YEARS FROM THE DATE OF PERFORMANCE ACCEPTANCE AS DETERMINED BY THE PROJECT MANAGER.
12. ALL STEEL STAKING POSTS FOR TREES ARE TO BE REMOVED AFTER ONE GROWING SEASON UNLESS OTHERWISE DIRECTED BY THE PROJECT MANAGER.
13. ANY PROPOSED PLANT MATERIAL SUBSTITUTIONS SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, HABIT, FLOWER, LEAF, COLOUR AND CULTURE AND ONLY AFTER WRITTEN APPROVAL FROM THE PROJECT MANAGER.



**1 TREE PLANTING**  
NOT TO SCALE



**2 TREE PROTECTION FENCING**  
NOT TO SCALE

**SOUTH NATION CONSERVATION**  
DE LA NATION SUD

THE POSITION OF POLE LINES, CONDUITS, WATERMANS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWING, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, THE CONTRACTOR SHALL INFORM THEMSELVES OF THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES, AND SHALL ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

DESIGN PROFESSIONAL'S SEAL OR SIGNATURE IS EFFECTIVE ONLY AS TO THAT VERSION OF THIS DOCUMENT AS ORIGINALLY PUBLISHED BY DESIGN PROFESSIONAL DESIGN. PROFESSIONAL IS NOT RESPONSIBLE FOR ANY SUBSEQUENT MODIFICATION, CORRUPTION, OR UNAUTHORIZED USE OF SUCH DOCUMENT. TO VERIFY THE VALIDITY OR APPLICABILITY OF THE SEAL OR SIGNATURE, CONTACT DESIGN PROFESSIONAL.

KEY PLAN  
SCALE: NTS

KEYPLAN (NTS)

**GENERAL NOTES:**

ALL GENERAL SITE INFORMATION AND CONDITIONS ARE COMPILED FROM CONSULTANTS' FIELD NOTES AND PLANS PROVIDED BY THE OWNER.

REPORT ANY DISCREPANCIES PRIOR TO COMMENCING WORK. NO RESPONSIBILITY IS BORNE BY THE CONSULTANTS FOR UNKNOWN UTILITIES OR SUBSURFACE CONDITIONS.

CHECK AND VERIFY ALL DIMENSIONS ON SITE AND REPORT ANY ERRORS AND/OR OMISSIONS TO THE PROJECT MANAGER.

REINSTATE ALL AREAS AND ITEMS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES TO THE SATISFACTION OF THE PROJECT MANAGER.

INDIVIDUAL UTILITY AGENCIES MUST BE CONTACTED TO VERIFY AND LOCATE ALL PUBLIC AND PRIVATE UTILITIES. MARK ON SITE AND RETAIN CLEARANCE DOCUMENTATION.

THE DRAWINGS AND DETAILS ARE IN PART DIAGRAMMATIC AND INTENDED TO CONVEY THE DESIGN.

THE CONTRACTOR IS TO COORDINATE ACCESS, TRAFFIC CONTROL AND PROTECT THE GENERAL PUBLIC AND USERS OF THE SITE WITH APPROPRIATE CONTROL FENCING AND SUPERVISION THROUGHOUT THE CONSTRUCTION PERIOD, TO THE SATISFACTION OF THE FACILITY MANAGER AND THE PROJECT MANAGER.

1	2022-11-11	KC	ISSUED FOR 90% REVIEW
No.	YYYY-MM-DD	BY	REVISION COMMENTS

**FINDLAY CREEK BOARDWALK EXTENSION**  
OTTAWA, ONTARIO  
~  
**LANDSCAPE PLAN**

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Jp2g Project No.: 22-1042A 16 EDWARDS STREET SOUTH, UNIT 538, ARLBORO, ON

CLIENT No.: XX SCALE: AS NOTED

DESIGNED: K. CERVENY

DRAFTED: K. SELIN

CHECKED: K. CERVENY

APPROVED: K. CERVENY

**studioRed**  
landscape architecture

**L-1**

LANDSCAPE PLAN 22-11-11.DWG