**Proposed New Layout at Street Edge**

**Enlarged Excerpt of Prior Approved Drawings—to Show Site Context**

Pt. 24

**Legend:**
- **Existing Trees**: All to Remain and be Protected for Duration of Construction
- **New "Owner Supplied" Bleachers from Athletics**
- **Sodded Lawn Areas**: All to Remain and be Protected for Duration of Construction
- **Existing Backstop Pavement to Remain**
- **New Pavement in Current Contract to accommodate Bleachers**
- **Donor Wall/Piers—Typical**
  - REFER TO DETAILS ON L-3’r1’

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**Existing Lawn and Garden Edge**: Lawn Area and Garden Edge may need slight regrade. Coordinate w/ Consultant at time of implementation.

**Area of Study**

**Donor Wall-Preferred Location**
- As selected by Athletics
- SEE PLAN L-3 ‘r1’ for additional information

**Donor Pavement-Preferred Location**
- As selected by Athletics; client is pursuing "Optional Price" to relocated Drinking Ftn., mechanical aspects in "Vault 1"
- SEE PLAN L-3 ‘r1’ for additional information

**New Entrance Archway/Field Naming Aspect-Preferred Location**
- As selected by Athletics
- SEE PLAN L-3 ‘r1’ for additional information

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**Reference Screenshot—Existing Site Services in Area of Study**

**Proposed New Layout at Street Edge**

**North Park Sidewalk**

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**Wesbrook Mall**

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**Vault**

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**WESBROOK MALL**

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**Legend:**

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**Scale as Shown**

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**February 15th, 2021**

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**Arrival Area—Donor Aspects and New Field Name Element**

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**Nobel Park—Softball Stadium Upgrades**

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**Vancouver Campus, University of British Columbia**

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**L-2.0**
Granite Veneer - Spec Notes:
1. Specify "Salt and Pepper" Granite to be used for the L-shaped donor wall.
2. All saw cuts and joints to be done with a light sand-blasted finish.
3. All metal components to be powder-coated in RAL 7043 Grey.

Note:
- All stone work to be installed by the structural engineer.
- All metal components to be manufactured and delivered by the metal fabricator.
- All site work to be completed by the landscape contractor.

Field Name Archway Detail

**L-Shaped Donor Wall Plan Also West Face View from Street Looking West**

**L-Shaped Donor Wall Also North Face from C/L Archway Looking North**

Donor Element Layout

Donor Pavement Enlarged Layout

**Arrival Area - Donor Aspects and New Field Name Element**

Field Naming Element - Option 1 Revised

**Nobel Park - Softball Stadium Upgrades**

Vancouver Campus, University of British Columbia

Scale as Suggested

February 15th, 2021
GENERAL NOTES

1. THIS STRUCTURE HAS BEEN DESIGNED IN ACCORDANCE WITH THE VANCOUVER BUILDING BY-LAW (VBBL 2019), PART 4.
2. CONSTRUCT REPAIRS TO VBBL REQUIREMENTS.
4. READ STRUCTURAL DRAWINGS IN CONJUNCTION WITH ALL OTHER CONTRACT DRAWINGS AND DOCUMENTS.
   ANY DISCREPANCIES MUST BE REPORTED IMMEDIATELY FOR CLARIFICATION.
5. DO NOT INSTALL OPENINGS, SET INSERTS, DRILL OR ATTACH TO STRUCTURAL FRAME WITHOUT AUTHORIZATION OF ENGINEER EXCEPT AS NOTED ON DRAWINGS.
6. ALL STRUCTURAL ITEMS MUST BE INSPECTED BY THE STRUCTURAL ENGINEER OR BY ANOTHER SUITABLE QUALIFIED PERSON.
7. NOTIFY THE ENGINEER 24 HOURS IN ADVANCE FOR INSPECTION OF THE FOLLOWING:
   a.) REINFORCING STEEL: BEFORE EACH CONCRETE POUR.
   b.) STEEL FRAMING.
8. CHECK WORK IS COMPLETED BEFORE CALLING FOR INSPECTIONS.
9. BRACE THE STRUCTURE UNTIL ALL THE COMPONENTS ARE PERMANENTLY FASTENED IN PLACE. BRACING SHOWN IS FOR COMPLETED STRUCTURE ONLY.
10. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION. FAILURE TO DO SO SHALL RENDER THE CONTRACTOR RESPONSIBLE TO REPAIR ANY IMPROPER WORK.
11. METRIC AND IMPERIAL UNITS USED INTERCHANGEABLY.
12. ONLY STRUCTURAL COMPONENTS DETAILED ON OUR DRAWINGS HAVE BEEN DESIGNED BY US. OTHER STRUCTURAL COMPONENTS AND ANY OTHER BUILDING COMPONENTS ARE THE RESPONSIBILITY OF THEIR RESPECTIVE DESIGNERS. THIS INCLUDES, BUT IS NOT LIMITED TO, DAMP PROOFING AND WATER PROOFING SYSTEMS.
13. THESE DESIGN DOCUMENTS ARE PREPARED SOLELY FOR THE USE BY THE PARTY WITH WHOM THE PROFESSIONAL HAS ENTERED INTO A WRITTEN CONTRACT AND THERE ARE NO REPRESENTATIONS OF ANY WHOM THE PROFESSIONAL HAS NOT ENTERED INTO SUCH A CONTRACT.
14. DO NOT BUILD FROM THESE DRAWINGS UNLESS THEY ARE MARKED "ISSUED FOR CONSTRUCTION".
15. DESIGN ALL GUARDRAILS, HANDRAILS, STAIRS, TRELLIS STRUCTURES, CANOPIES, GLASS ENCLOSURES, STEEL STUD FRAMING, AND LADDERS TO THE REQUIREMENTS OF THE B.C. BUILDING CODE. PROVIDE SEALED SHOP DRAWINGS PREPARED BY A B.C. PROFESSIONAL ENGINEER.
16. USE THE LATEST EDITION OF STANDARDS REFERRED TO IN THESE DOCUMENTS.
17. ALL FORMING, SHORING, AND SITE SAFETY ISSUES ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
18. ANY CHANGES TO THE FRAMING SHOWN ON THE DRAWINGS SHALL HAVE PRIOR WRITTEN APPROVAL OF THE ENGINEER. FRAMING CHANGES THAT HAVE NOT BEEN APPROVED WILL BE REJECTED.
19. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE CORRECTION OF DEFICIENCIES AS DETERMINED BY THE ENGINEER.

STRUCTURAL STEEL

1. GENERAL
   a.) FABRICATE AND ERECT STRUCTURAL STEEL TO CAN/CSA3-S16.1.
   b.) WELD TO CSA W59-89 BY FABRICATORS QUALIFIED TO CSA W47.1-83, DIV. 1 OR 2.
   c.) SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW PRIOR TO FABRICATION. THEY ARE TO SHOW ALL DETAILS AND MATERIAL SPECIFICATIONS AND MUST BE SEALED BY A B.C. PROFESSIONAL ENGINEER WHO HAS DESIGNED THE CONNECTIONS.
      CONNECTIONS ARE TO BE DESIGNED FOR THE FORCES SHOWN ON DRAWINGS OR CALCULATED FROM LOADS GIVEN. ALTERNATIVELY, SHEAR CONNECTIONS IN BEAMS MAY BE DESIGNED FOR A FORCE EQUIVALENT TO 120% OF THE UNIFORM LOAD WHICH WOULD YIELD THE BEAM IN FLEXURE.

2. PRODUCTS
   a.) STRUCTURAL STEEL: TO CAN/CSA G40.21-M87
      W SHAPE BEAMS AND COLUMNS 350W
      HSS SECTIONS CLASS C 350W
      CHANNELS AND ANGLES 300W
      BARS AND PLATES 300W
   b.) ANCHOR BOLTS SAE GRADE 5
   c.) BOLTS, CADMIUM PLATED IF A325
   d.) PRIMER: TO CISC/CPMA 1-73A (ITEMS TO BE PAINTED TO CISC/CPMA 1-73A ITEMS TO BE PAINTED TO CISC/CPMA 2-75 AND TO BE COMPATIBLE WITH FINISH PAINT).

3. EXECUTION
   a.) WELD OR USE BOLTED SHOP CONNECTIONS.
   b.) PAINT ALL STEEL WITH ONE COAT PRIMER EXCEPT STEEL TO BE EMBEDDED IN CONCRETE OR STEEL TO BE FIREPROOFED. SEE ARCH FOR PAINT SPECIFICATION.
CONCRETE

1. GENERAL
   a.) PROVIDE CONCRETE AND PERFORM WORK TO CSA CAN3-A23.1.
   b.) RETAIN A CONCRETE TESTING AGENCY APPROVED BY THE ENGINEER TO TEST AGGREGATES, DESIGN MIX AND TAKE,
       AND TEST CONCRETE CYLINDERS TO CSA-A23.1 AND CSA-A23.2. SUBMIT REPORTS TO ENGINEER.

2. PRODUCTS
   a.) CEMENT : TYPE "I 0 PORTLAND CEMENT".
   b.) REINFORCING STEEL : NEW DEFORMED BARS TO CSA G30.1 8 GRADE 400. WELDED WIRE FABRIC TO CSA G30.5.
   c.) AGGREGATE AND WATER : TO CSA CAN3-A23.1.
   d.) ADMIXTURES : AIR ENTRAINING TO CSA A266.1. WATER REDUCING TO ASTM C494-TYPE A.
   e.) ANCHOR BOLTS : TO ASTM A307.
   f.) FORMWORK : SMOOTH, SQUARE EDGED PLYWOOD PANELS.
   g.) MIX DESIGN:
       DESCRIPTION | STRENGTH (MPa) | AGGREGATE | CLASS
       FOOTING + FDN. WALL | 25 | 3/4" | F2
       SLABS/GRADE | 32 | 3/4" | C2

3. EXECUTION
   a.) MIX AND PLACE CONCRETE TO CSA CAN3 A23.1.
   b.) VERTICAL DROP OF CONCRETE NOT TO EXCEED 5'-0".
   c.) COMPACT CONCRETE WITH INTERNAL TYPE MECHANICAL VIBRATORS. WORK CONCRETE AROUND ALL EMBEDDED
       MATERIAL AND INTO CORNERS OF FORMS.
   d.) UNLESS NOTED OTHERWISE PROVIDE CLEAR CONCRETE COVER OVER REBAR AS FOLLOWS:
       a) SURFACES POURED AGAINST GROUND 3".
       b) FORMED SURFACES EXPOSED TO GROUND OR WEATHER 2".
       c) OTHER FORMED SURFACES : SLABS, WALLS 1"
   e.) REINFORCING DETAILS SHALL CONFORM TO ACI 315-80 OR AS NOTED ON DRAWINGS. COLUMNS, PILASTERS, AND
       PEDESTALS TO HAVE TIES HOOKED 135 DEGREES OR AS DETAILED ON DRAWINGS.
   f.) EMBEDDED MATERIAL SHALL BE FREE FROM GREASE, SCALE, AND OTHER COATINGS. PLACE REBAR IN ACCORDANCE
       WITH CSA CAN3-A23.1 AND SECURE WITH CLIPS OR WIRE NOT LESS THAN 16 GAUGE.
   g.) CONTINUE WALL STEEL AROUND CORNERS.
   h.) MINIMUM SPLICE LENGTH, UNLESS NOTED OTHERWISE:
       BAR SIZE | 10M 15M 20M 25M 30M 35M
       LAP (IN) | 14" 20" 28" 48" 64" 92"
   i.) MINIMUM REINFORCING AROUND OPENINGS LARGER THAN 12" : 2-15M EACH SIDE OF OPENINGS EXTENDED 2'-0".
       PAST CORNERS. 1-10Mx4'-0" LONG DIAGONAL AT EACH CORNER. 2-15M AT WALL ENDS.
   j.) CONTROL JOINTS : SLAB ON GRADE 1" DEEP PREFORMED OR SAWCUT CONCRETE PLACEMENTS AFTER CONCRETE
       HAS HARDENED SUFFICIENTLY. WALLS - 1/8" DEEP VEE EACH SIDE OF WALL AT 50'-0" MAXIMUM.
   k.) CONSTRUCTION JOINTS : LOCATE KEYED CONSTRUCTION JOINTS AS APPROVED BY ENGINEER UNLESS DETAILED ON
       DRAWINGS.
   l.) SUPPORT CONCRETE UNTIL IT HAS HARDENED SUFFICIENTLY TO CARRY LOADS.
   m.) FORM ACCURACY TOLERANCE 1/4" IN PLAN AND ELEVATION. SLAB FORM TOLERANCE 1/8" IN ELEVATION.
   n.) PROVIDE 3/4" CHAMFER TO ALL EXPOSED CORNERS. HAND TOOL EDGES OF SLAB AND CURBS.
   o.) CHAMFER SLABS AND BEAMS AS NOTED OR 1/4" PER 3'-0" MINIMUM BY SETTING FORMS AND SCREEDS. JACKING
       FORMS AFTER CONCRETE IS POURED IS NOT PERMITTED.
   p.) TIE ALL DOWELS AND ANCHOR BOLTS BEFORE POURING CONCRETE.
   q.) CURE AND PROTECT IN ACCORDANCE WITH A23.1. CURING COMPOUNDS NOT ACCEPTABLE WHERE FUTURE
       TOPPING OR ADHESIVES TO BE APPLIED.
   r.) OPENINGS, PIPE SLEEVES, ETC. ARE NOT PERMITTED IN STRUCTURAL CONCRETE UNLESS APPROVED BY ENGINEER.
NOTES:
1. ROLL TOP AND BOTTOM PLATES.
2. GRIND ALL WELDS SMOOTH.
3. PAINT SPEC. SEE ARCH.