TOWN OF SHELBURNE SHELBURNE FIDDLE PARK UPGRADES



PREPARED FOR:

TOWN OF SHELBURNE 203 MAIN ST. E., SHELBURNE ON., L9V 3K7



S. BURNETT & ASSOCIATES LTD.
210 BROADWAY, UNIT 203
ORANGEVILLE, ON
L9W 5G4
T: 519-941-2949
F: 519-941-2036
www.sbaengineering.com

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DO NOT SCALE THE DRAWINGS.

C. B. MESSNER 100583487 07-MAY-2025

	No.	DATE	ISSUE/REVISION	No.	DATE	ISSUE/REVISION
QINEER REER	1.	08-JAN-2025	ISSUED FOR REVIEW			
ER	2.	07-MAY-2025	ISSUED FOR TENDER			

TOWN OF SHELBURNE FIDDLE PARK UPGRADES

S. BURNETT & ASSOCIATES LIMITED ENGINEERING AND ENVIRONMENTAL SERVICES S B A SSOCIATES LIMITED 210 BROADWAY, UNIT 203 ORANGEVILLE, ONTARIO 19W 5G4 ENGINEERING & ENVIRONMENTAL TELEPHONE: 519-941-2949 FAX: 519-941-2036

C.M./J.M./V.S. S.B. G0.1 DRAWING INDEX N.T.S. M24017

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- 2.1 EXISTING SITE & REMOVAL PLANS
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- 5.1 STANDARD DETAILS

NOTES

GENERAL NOTES:

- 1. ALL BENCHMARKS, UTILITIES, SIZES, MATERIALS AND SERVICE LOCATIONS TO BE VERIFIED BY CONTRACTOR PRIOR TO COMMENCEMENT OF WORK, AND ANY DAMAGE TO SUCH BE REPAIRED AT THE CONTRACTOR'S COST AND ANY COMPENSATION TO THE UTILITY OWNERS TO BE PAID BY THE CONTRACTORS.
- 2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE UNDERGROUND UTILITIES. THE CONTRACTOR IS LIABLE TO ANY DAMAGE TO THE UTILITIES AND IS TO COMPENSATE THE RESPECTIVE
- 3. ALL ELEVATIONS AND DIMENSIONS ARE IN METRIC UNITS UNLESS OTHERWISE INDICATED.
- 4. ALL WORK TO CONFORM TO THE MOST UPDATED TOWN OF SHELBURNE, ONTARIO BUILDING CODE, MTO STANDARDS AND ONTARIO PROVINCIAL STANDARD DRAWINGS AND SPECIFICATIONS (OPSD AND OPSS)
- 5. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM HIMSELF OF THE EXACT LOCATION OF, AND ASSUME ALL LIABILITY FOR DAMAGE TO, ALL UTILITIES, SERVICES AND STRUCTURES WHETHER ABOVE GROUND OR BELOW GRADE BEFORE COMMENCING THE WORK. SUCH INFORMATION IS NOT NECESSARILY SHOWN ON THE DRAWINGS, AND WHERE SHOWN, THE ACCURACY CAN NOT BE GUARANTEED.
- 6. ALL DIMENSIONS AND ALL INFORMATION SHALL BE CHECKED AND VERIFIED ON THE JOB AND ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING THE WORK.

 7. PROPOSED GRADES AT THE PROPERTY LINE MUST MATCH EXISTING.
- 8. NO RECYCLED MATERIAL TO BE USED IN GRANULAR A AND B MATERIALS, UNLESS APPROVED BY THE ENGINEER.
- 9. CONTRACTOR TO OBSERVE ALL LOCAL ZONING BY—LAW, ONTARIO BUILDING CODE AND ALL OTHER APPLICABLE LAWS DURING THE COURSE OF CONSTRUCTION.

CONSTRUCTION NOTES:

- 1. VEHICLE ACCESS ROADWAYS/PARKING AREAS TO BE CLEANED AND SWEPT UP AS REQUESTED BY ENGINEER.
- 2. TRAFFIC CONTROL TO BE MANAGED BY CONTRACTOR DURING COURSE OF CONSTRUCTION.
- 3. PEDESTRIAN WALKWAYS TO BE MAINTAINED AT ALL TIMES DURING THE PROJECT TO ENSURE SAFE PEDESTRIAN PATHWAYS ARE AVAILABLE.
- 4. ALL DRIVEWAY ENTRANCES ALONG OWEN SOUND STREET SHALL BE ASSUMED TO BE ASPHALT. 5. ALL CROSS WALK PEDESTRIAN CROSSING TREATMENTS SHALL ADHERE TO THE ONTARIO TRAFFIC
- MANUAL BOOK 15, JUNE 2016 VERSION.
 6. ALL PROPOSED CURBING & GUTTER SHALL BE AS SPECIFIED. ALL PROPOSED DROPPED/DEPRESSED CURBING SHALL BE AS OUTLINED IN OPSD 600.100. HEIGHTS TO BE REVIEWED AND DETERMINED WITH
- ENGINEER IN FIELD.

 7. ALL CONCRETE SIDEWALK RAMPS WITH TACTILE WALKING SURFACE INDICATORS SHALL BE AS PER OPSD 310.031, OPSD 310.033. TACTILE WALKING SURFACE INDICATOR SHALL BE AS PER OPSD 310.039 UNLESS SPECIFIED OTHERWISE.
- 8. CONTRACTOR IS TO REFER TO CONTRACT SPECIFICATIONS FOR CONCRETE MIX DESIGN AND TESTING REQUIREMENTS

EARTHWORKS AND GRADING:

- 1. STRIP AND REMOVE EXISTING SURFACE MATERIALS (ASPHALT) IN DESIGNATED AREAS AND SUPPLY AND PLACE SURFACE MATERIALS AS PER DESIGN REQUIREMENTS. DISPOSE OF EXCESS MATERIAL OFFSITE AT CONTRACTORS EXPENSE AND DELIVERED TO THE TOWN OF SHELBURNE PUBLIC WORKS YARD AT 601 VICTORIA STREET.
- 2. PROOF ROLL AND CONFIRM COMPACTION AND ACCEPTABILITY OF SUBGRADE AS RECOMMENDED IN THE GEOTECHNICAL REPORT PRIOR TO BACKFILL OR CONSTRUCTION COMPACTION. TO BE VERIFIED BY GEOTECHNICAL TESTING AT CONTRACTORS COST.
- 3. PROVIDE AND MAINTAIN EROSION AND SEDIMENT CONTROL IN AREAS BEING EXCAVATED TO PREVENT SILT AND DEBRIS FROM ENTERING EXISTING CATCHBASINS, DITCHES, SWALES, CULVERTS ETC. REMOVE ON COMPLETION OF CONSTRUCTION
- 4. ALL PROPOSED WORK EXTENTS TO MATCH EXISTING GRADES.
- 5. CONTRACTOR TO APPLY TACK COAT MATERIAL AS PER OPSS 310.05.02 FOR ALL PAVED AREAS.

STORM SEWERS

- 1. PIPE: HDPE BOSS 2000 C/W ULTRA STAB 75 JOINTS OR APPORVED EQUAL. CONFORMING TO CSA B182.8-02
- 2. BEDDING: GRANULAR 'A' MATERIAL TO OPSS 1010
- 3. STORM SEWERS, INCLUDING CATCHBASIN CONNECTIONS, SHALL HAVE A MINIMUM COVER OF 1.5M FROST COVER. WHERE COVER CANNOT MEET THE MINIMUM, CONTRACTOR IS TO PROVIDE SUFFICIENT INSULATION.
- 4. ALL CATCHBASINS TO BE PRECAST CONFORMING TO:
 - (1) 600X600 CATCHBASIN TO OPSD-705.010
 - (2) 600X600 DITCH INLTET CATCHBASIN TO OPSD 705.030
 - (3) 1200X600 DITCH INLET CATCHBASIN TO OPSD 705.040

(1) CATCHBASIN AND DOUBLE CATCHBASIN TO OPSD-400.010

- 6. FRAMES AND GRATES TO CONFORM AS FOLLOWS:
 - (2) DITCH INLET GRATES TO OPSD 403.010
- 7. A MINIMUM CLEARANCE OF 0.25m SHALL BE PROVIDED BETWEEN THE OUTSIDE OF THE PIPE BARRELS AT THE POINT OF CROSSING FOR THE STORM AND SANITARY SEWERS.
- 8. GENERAL INSTALLATION AND TESTING OF SEWERS AND APPURTENANCES TO BE IN ACCORDANCE WITH OPSS 407, 408, 409(CCTV), 410 AND 421.
- 9. ALL CATCHBASIN FRAMES AND GRATES TO BE SET SQUARELY ON STRUCTURE WITH NO OVERHANG INTO ROAD BASE ON BOULEVARD.
- 10. ALL CATCHBASIN AND MANHOLE CONNECTIONS TO BE PARGED WITH BRICK AND NON-SHRINK GROUT.

ROADWAY AND BOULEVARD:

- 1. STREETS AND ROADWAYS DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED TO MEET OR EXCEED CURRENT CONDITION. ASPHALT ROAD MINIMUM REPAIR SHALL BE 450mm GRANULAR B, 150mm GRANULAR A, 80mm HL#4 AND 60mm HL#3.
- 2. GRAVEL ROAD RESTORATION SHALL BE REPAIRED TO MEET OR EXCEED CURRENT CONDITION, MINIMUM REPAIR SHALL BE 450mm GRANULAR B, 150mm GRANULAR A.
- 3. ROADWAY CUTS SHALL BE COMPLETED WITH STRAIGHT LINE SAW CUTS PRIOR TO ASPHALT REMOVAL.
- 4. BOULEVARD AREAS TO BE REINSTATED WITH A MINIMUM 100mm TOPSOIL AND HYDROSEED.

 5. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT VEGETATION TAKES HOLD INCLUDING WATER!
- 5. CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT VEGETATION TAKES HOLD INCLUDING WATERING ETC.

TOWN OF SHELBURNE

FIDDLE PARK UPGRADES

DRAWING INDEX & GENERAL NOTES

6. MINIMUM DRIVEWAY REINSTATEMENT:

GRANULAR: 300mm GRANULAR B, 150mm GRANULAR A

ASPHALT: 50mm HL#3

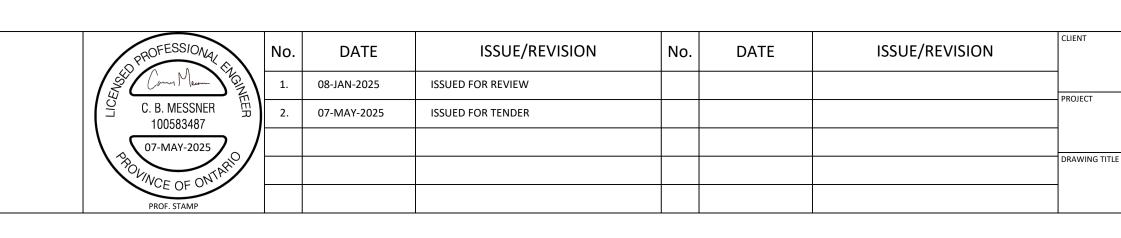
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210 BROADWAY, UNIT 203

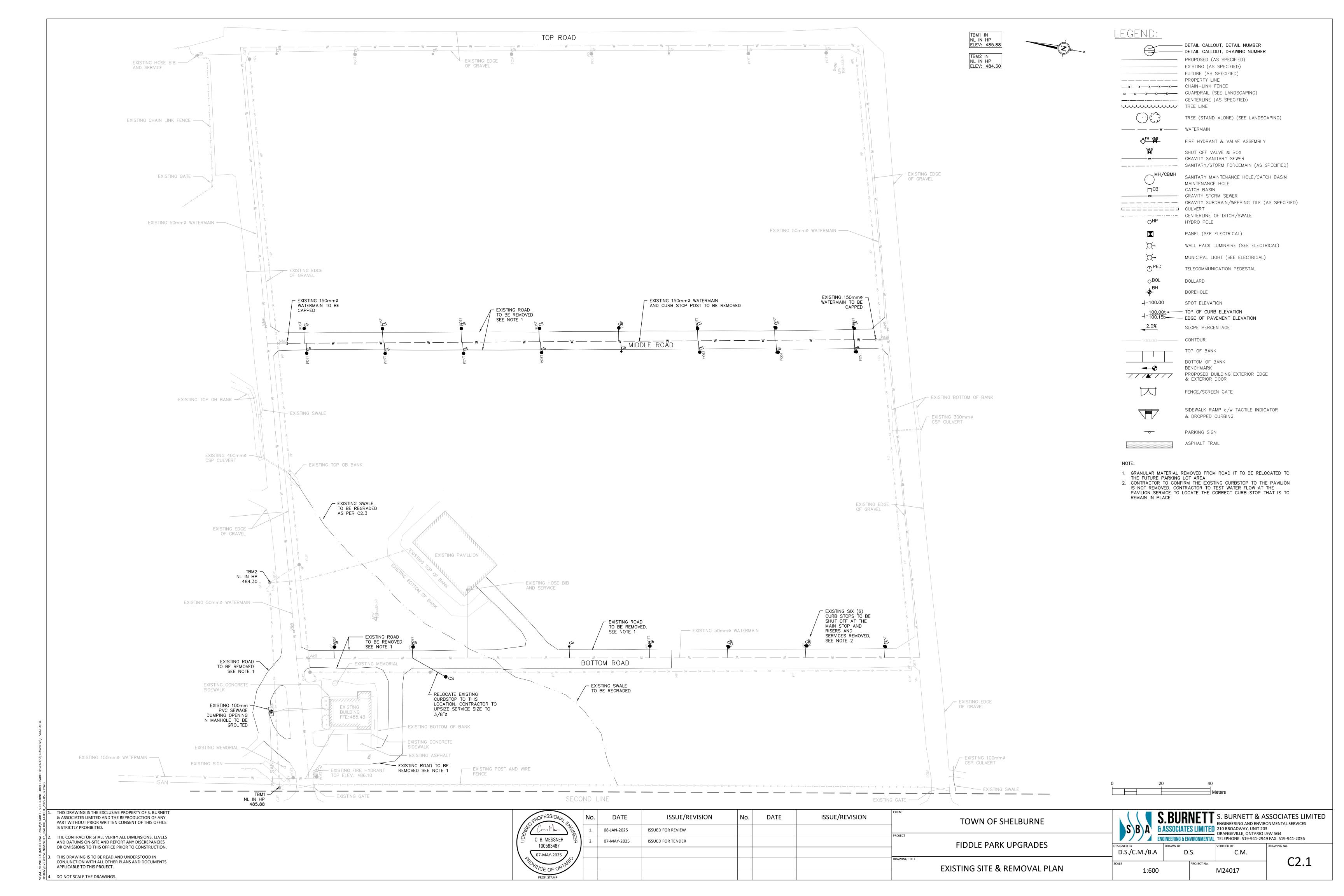
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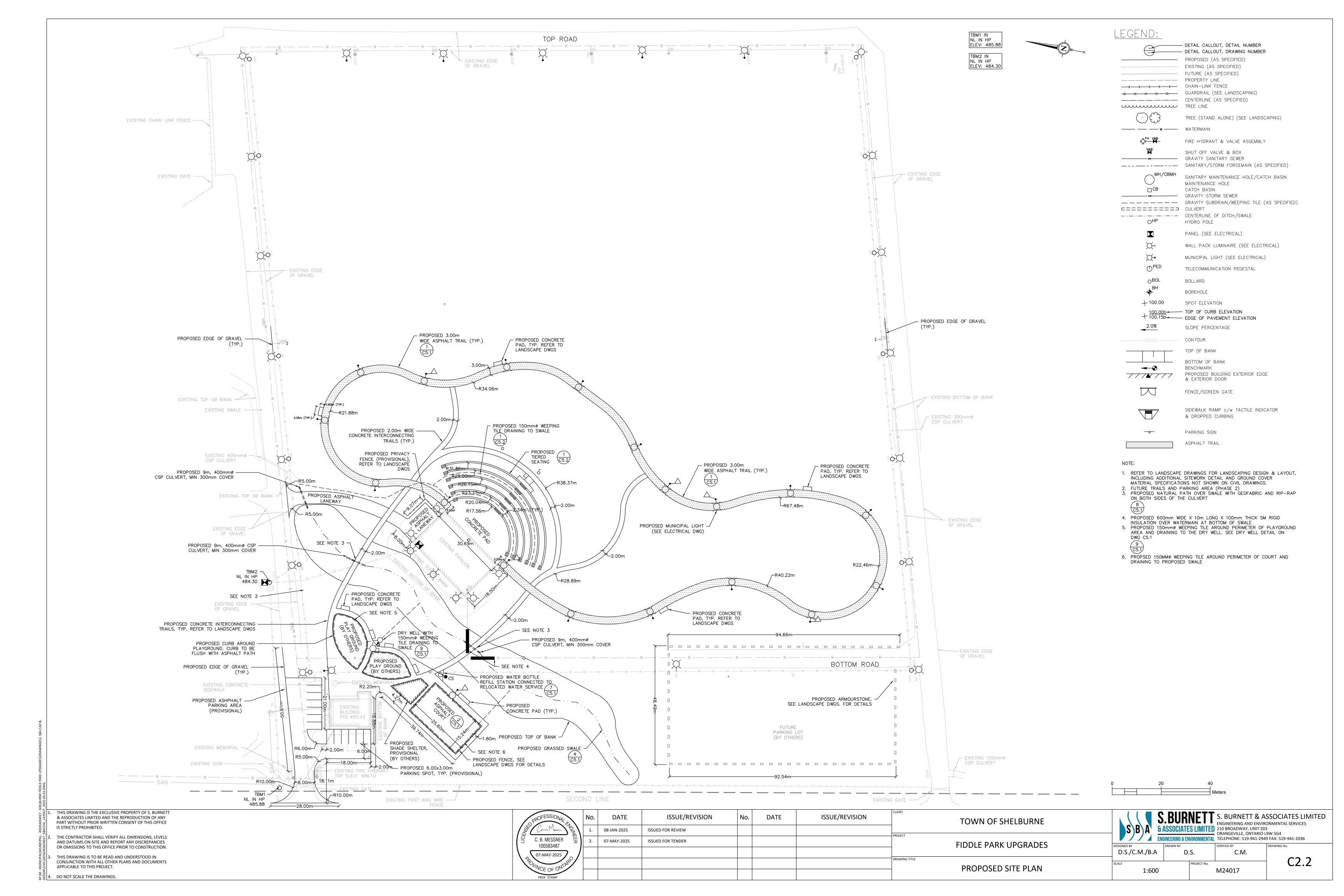
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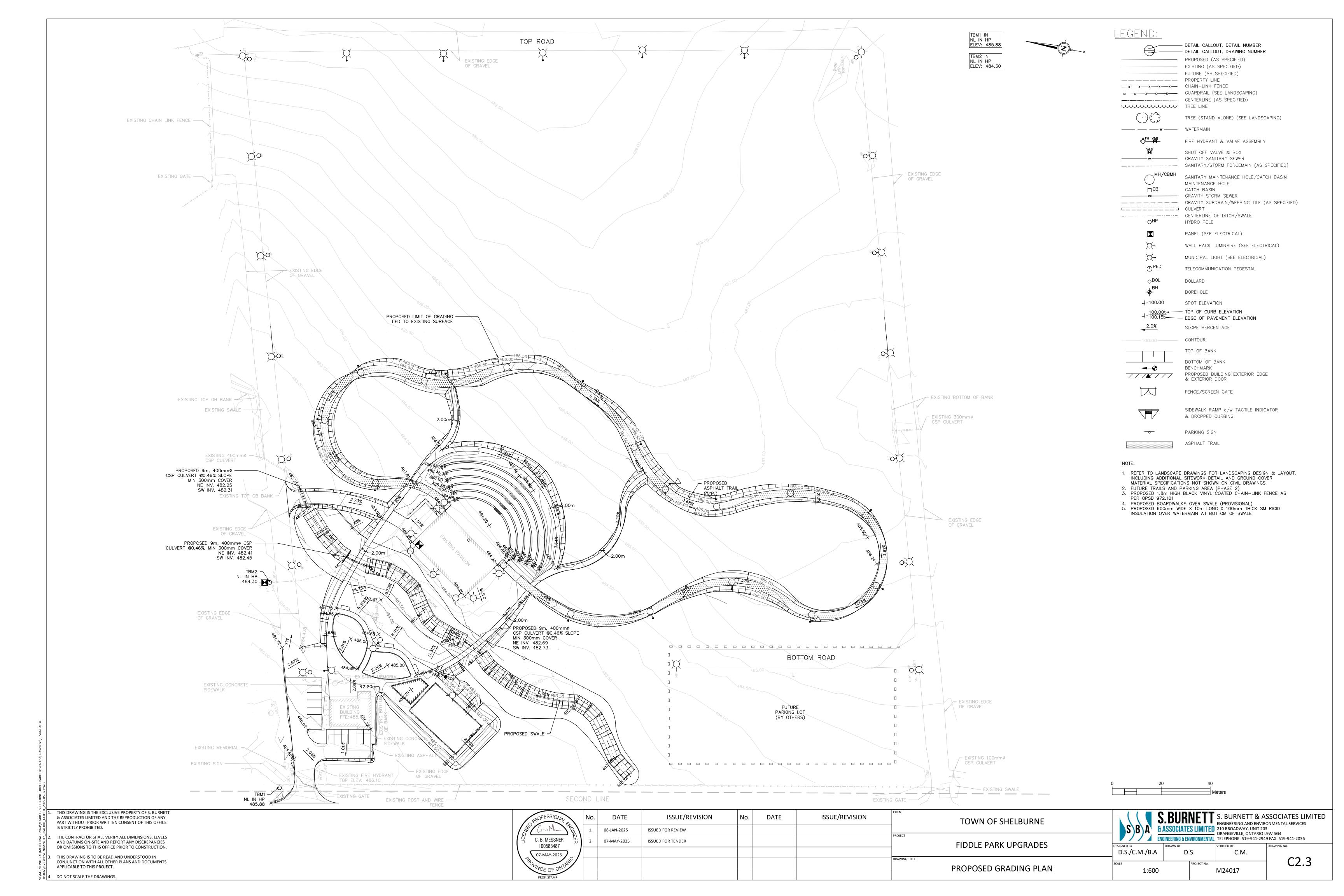
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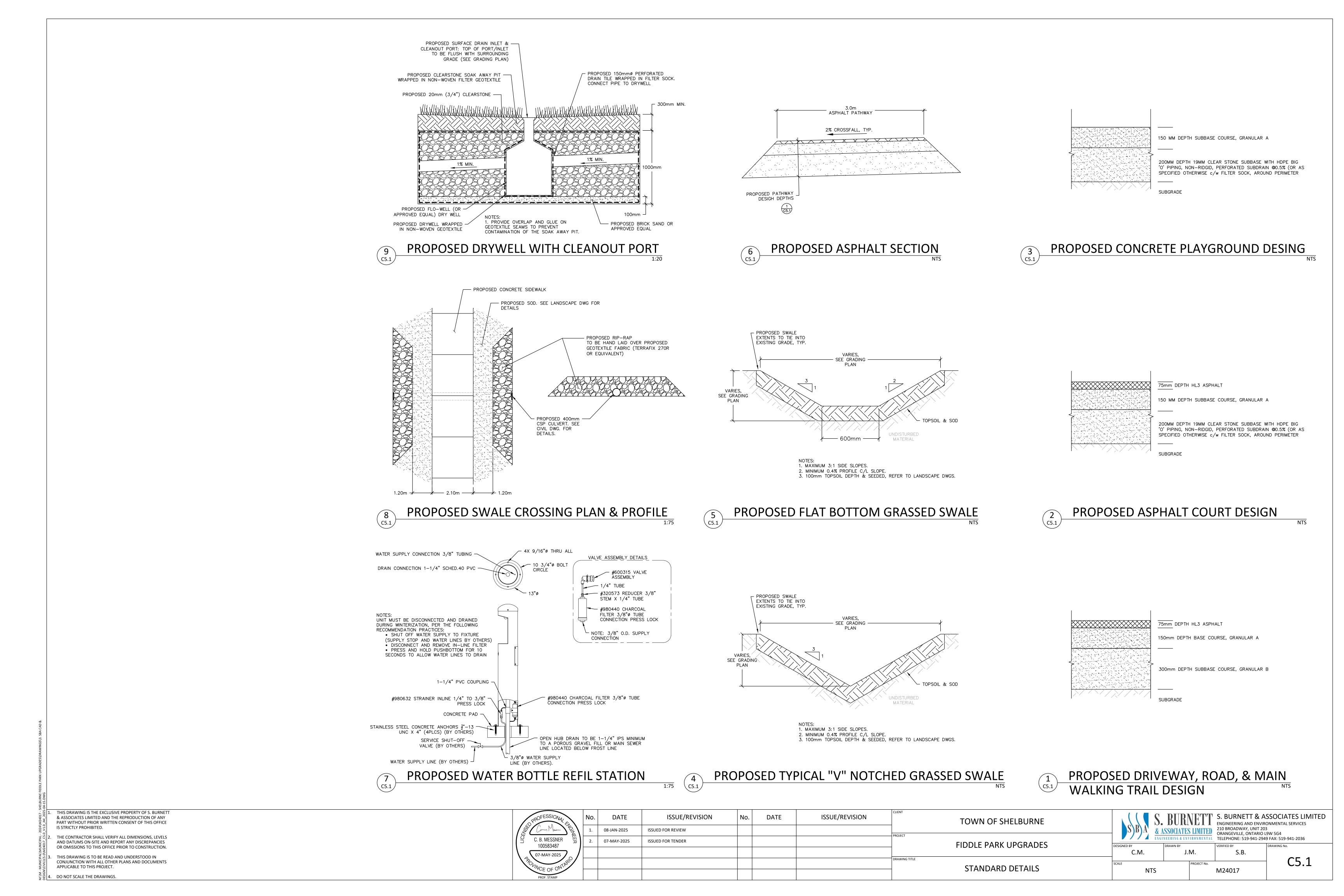
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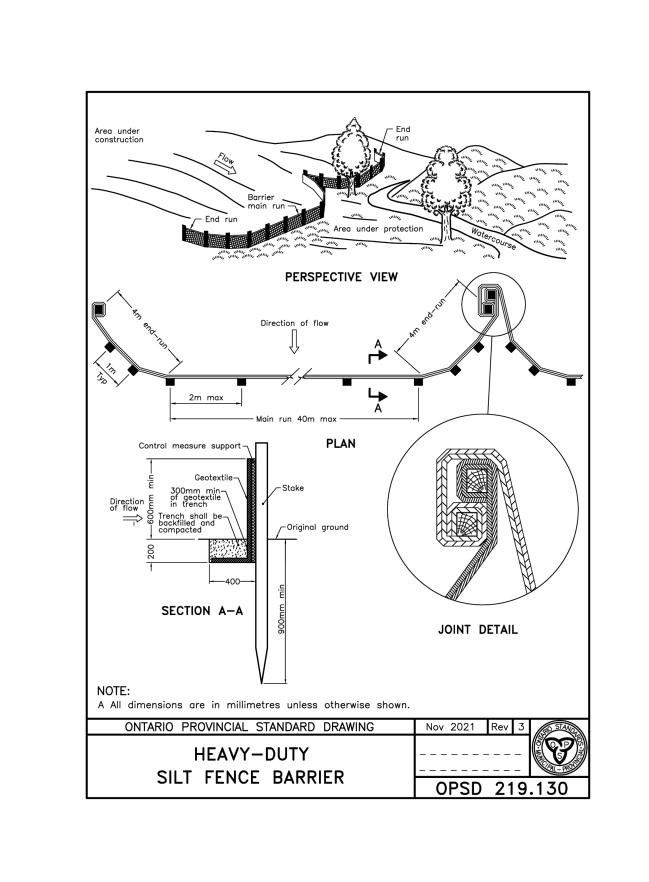
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C. B. MESSNER

100583487

07-MAY-2025

07-MAY-2025

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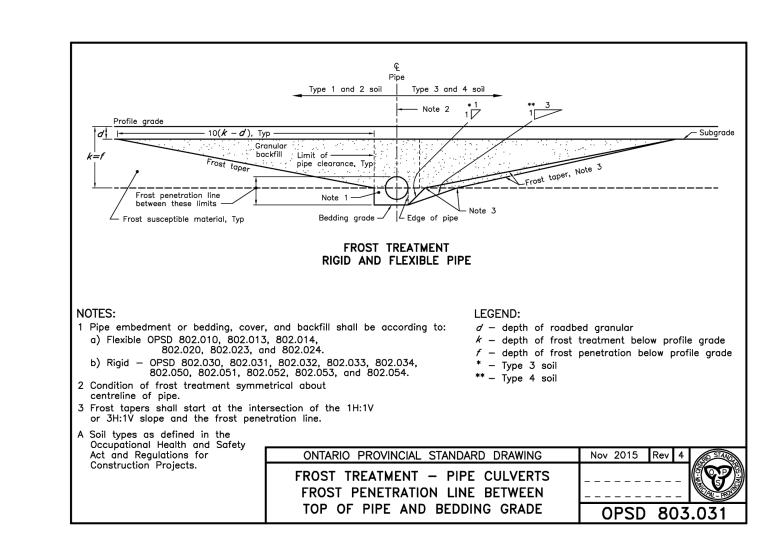
CONJUNCTION WITH ALL OTHER PLANS AND DOCUMENTS

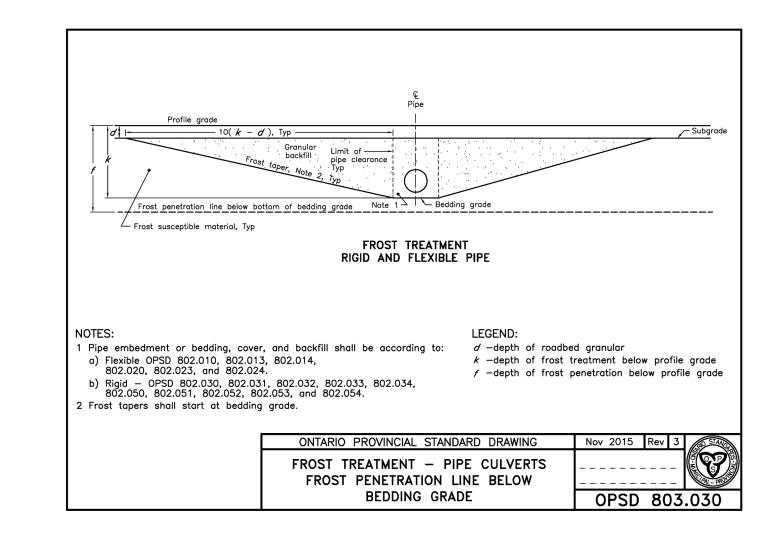
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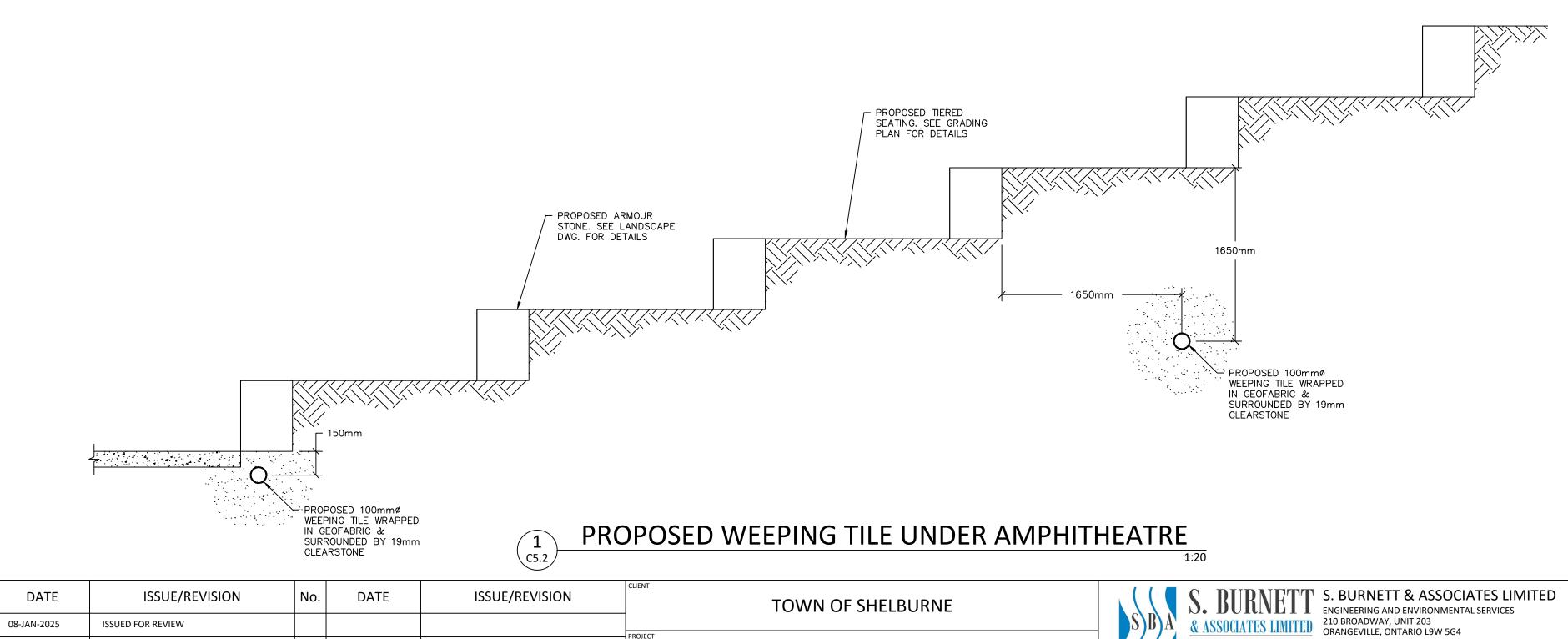
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C5.2

J.M.

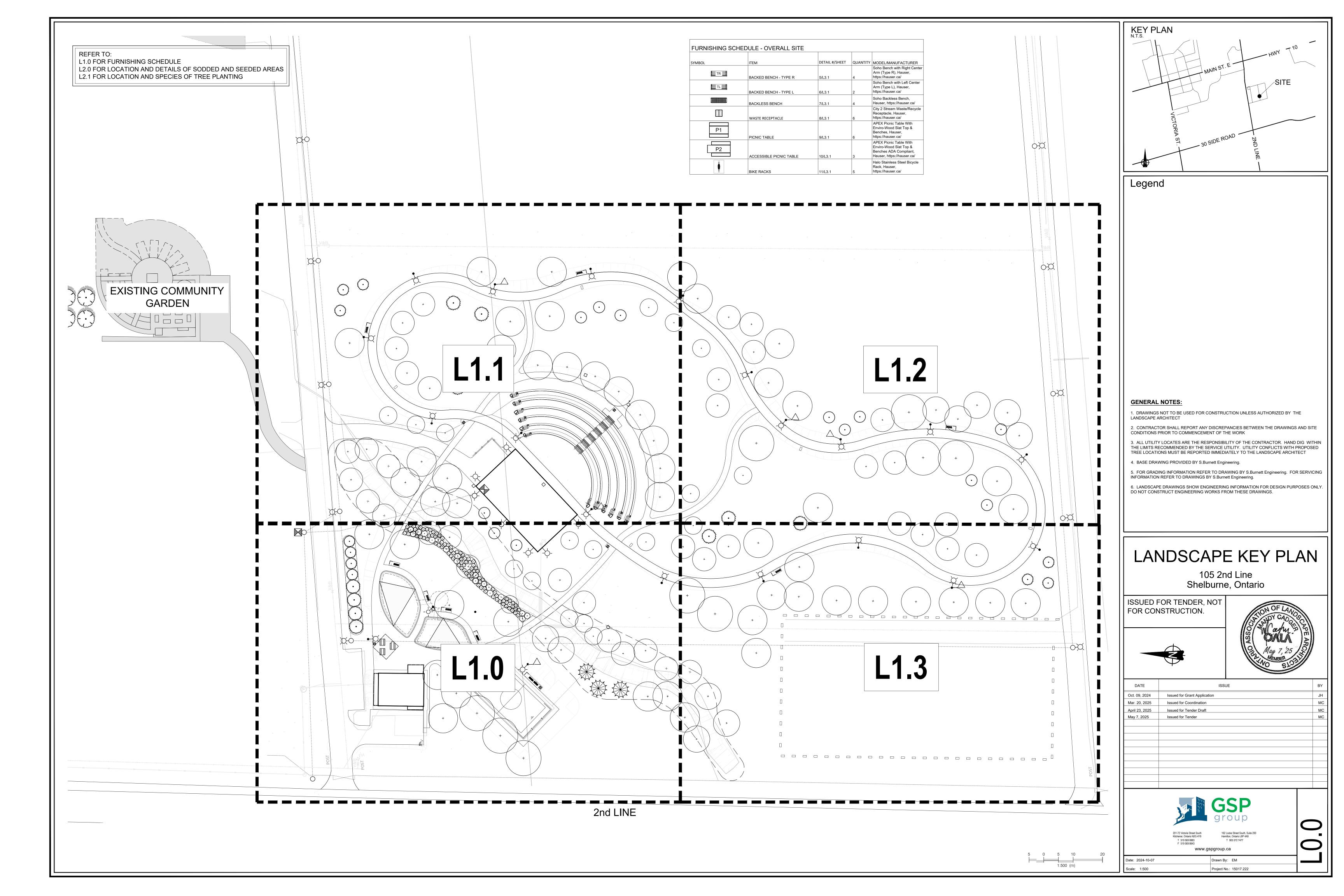
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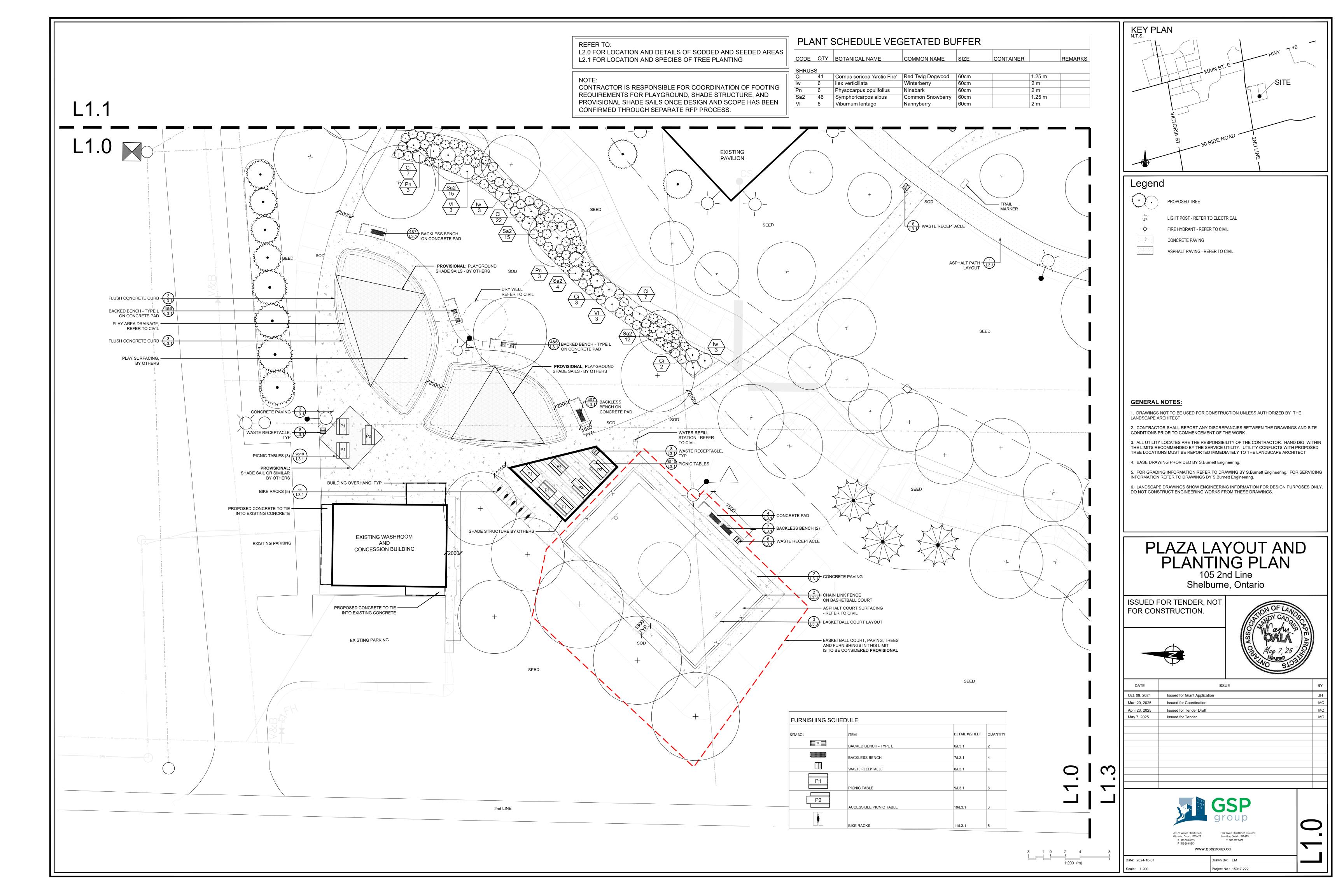
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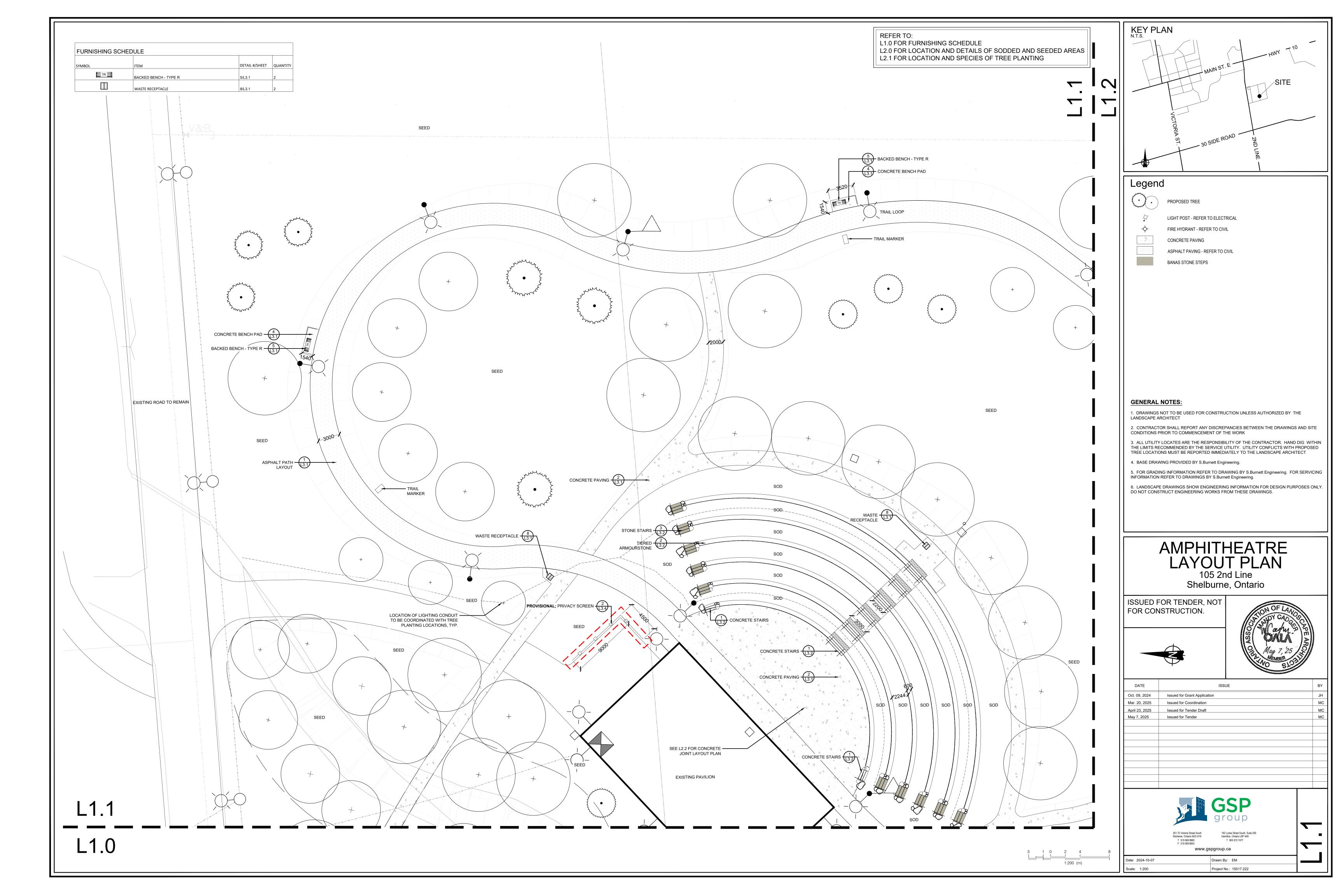


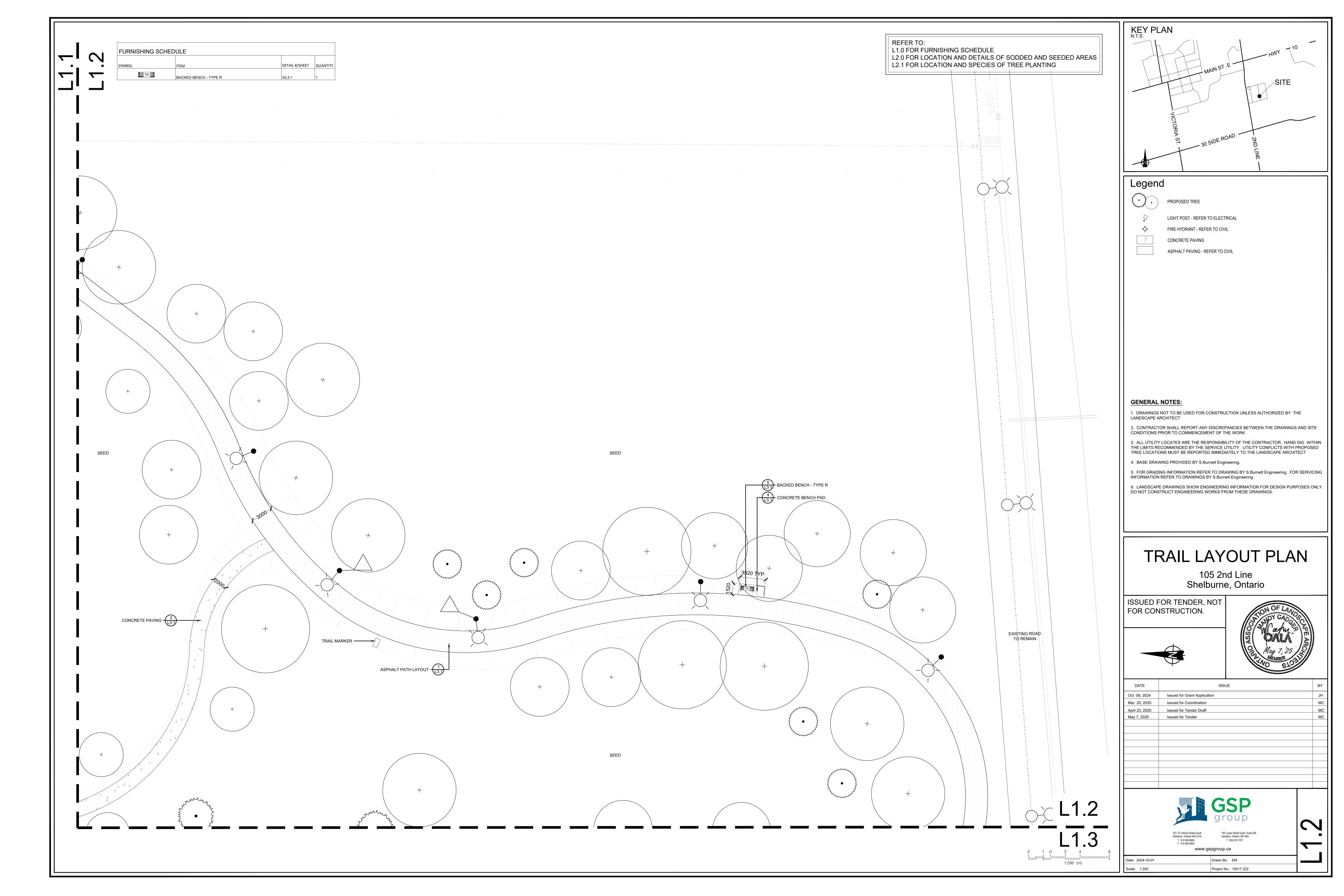
FIDDLE PARK UPGRADES

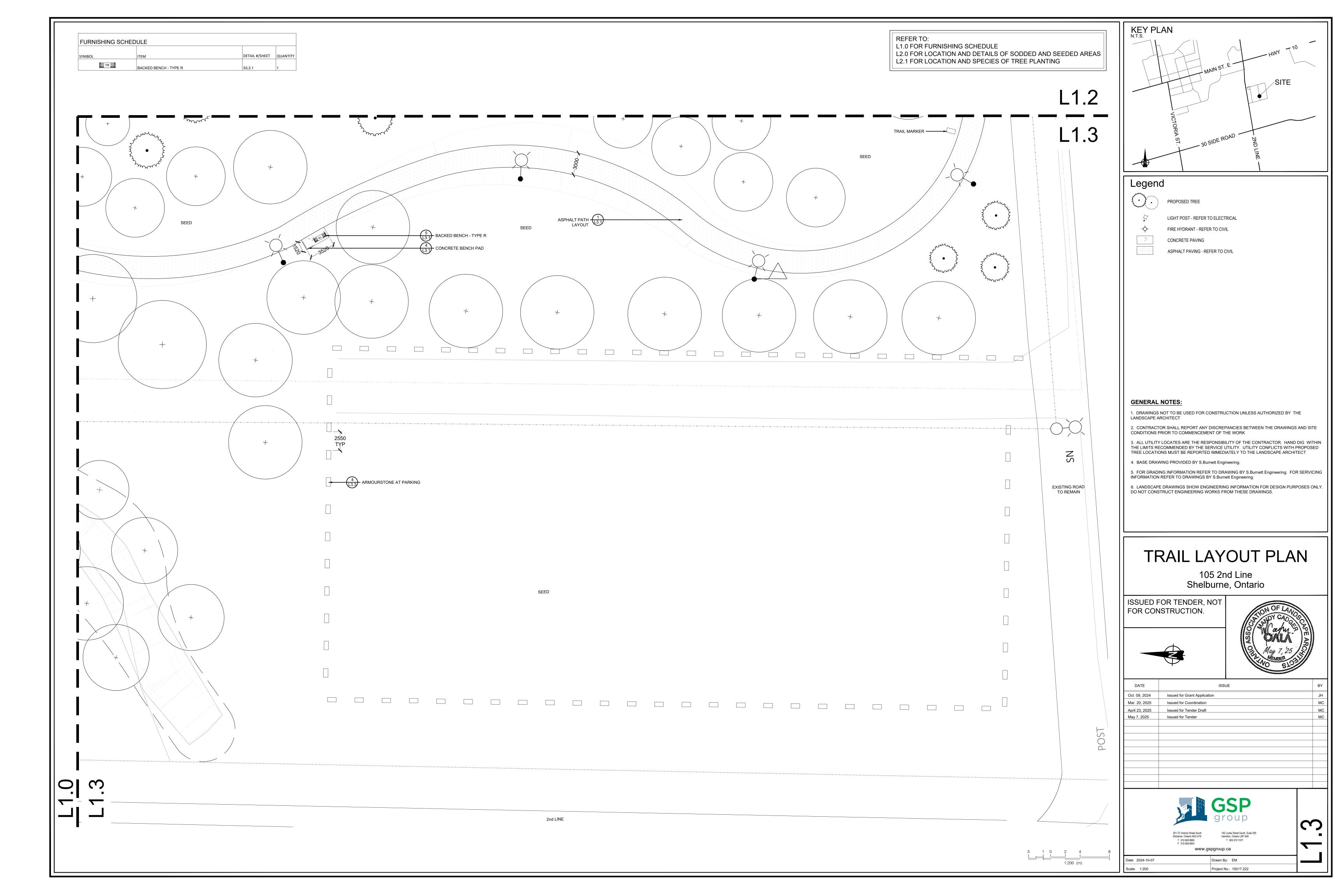
STANDARD DETAILS

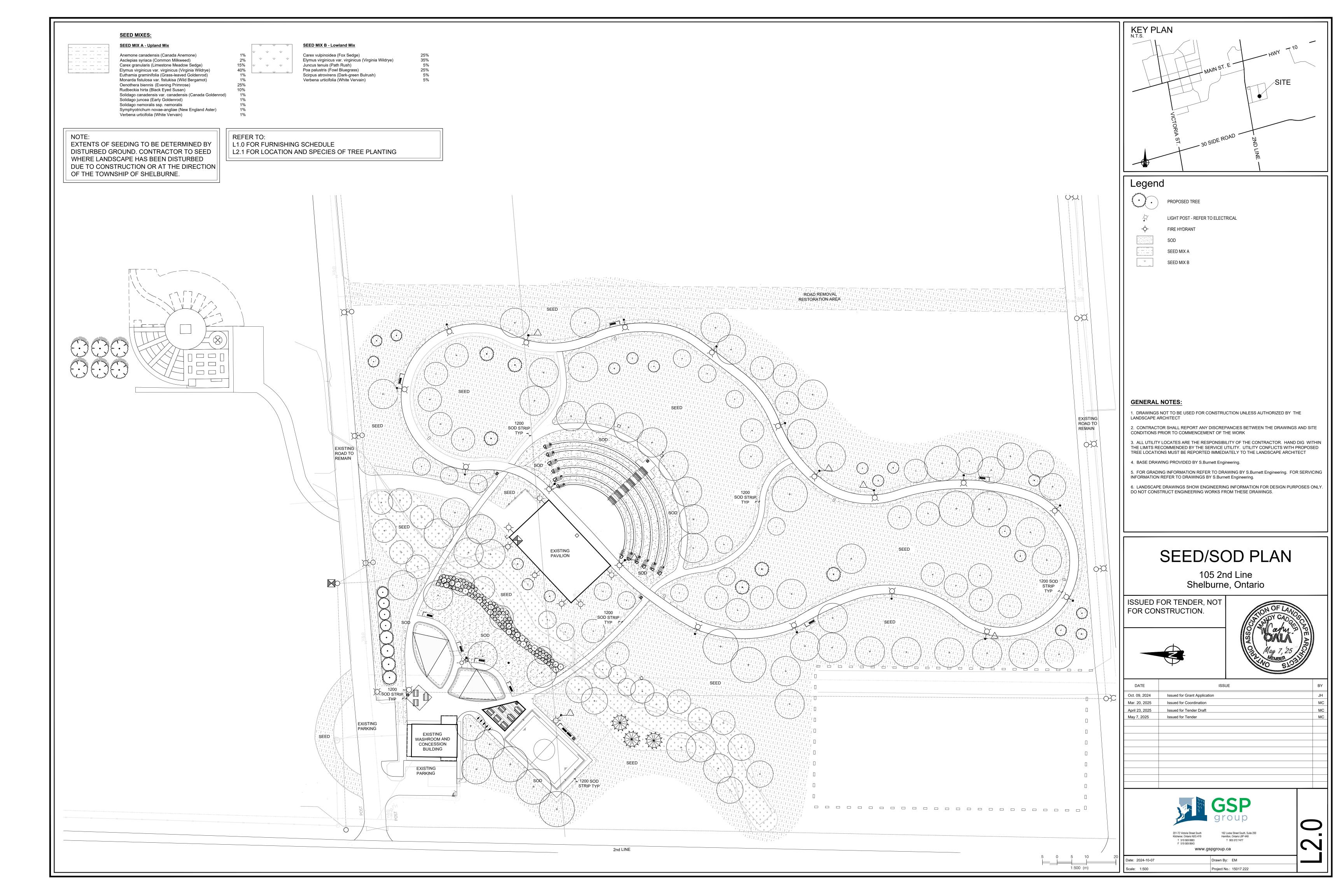


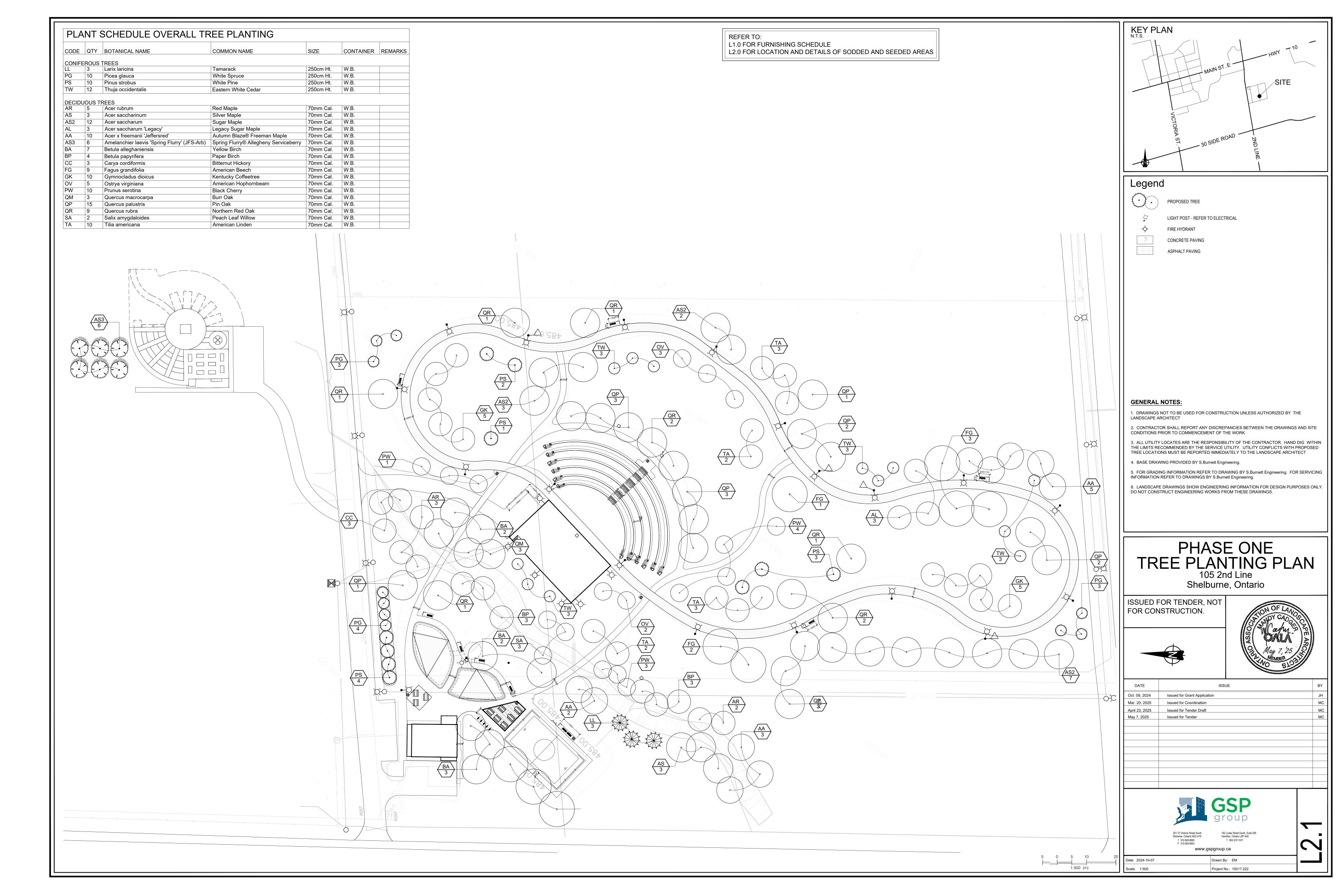


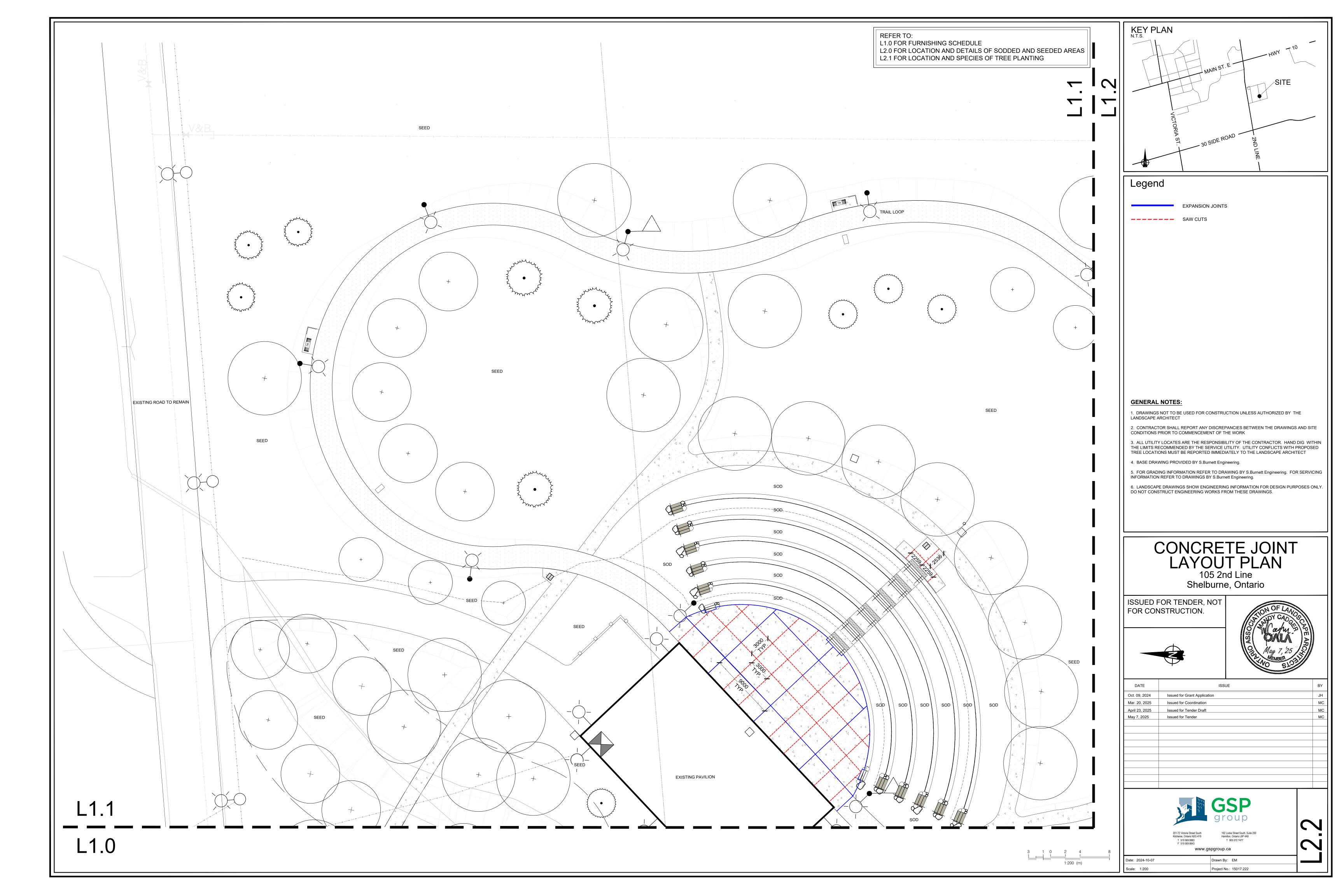


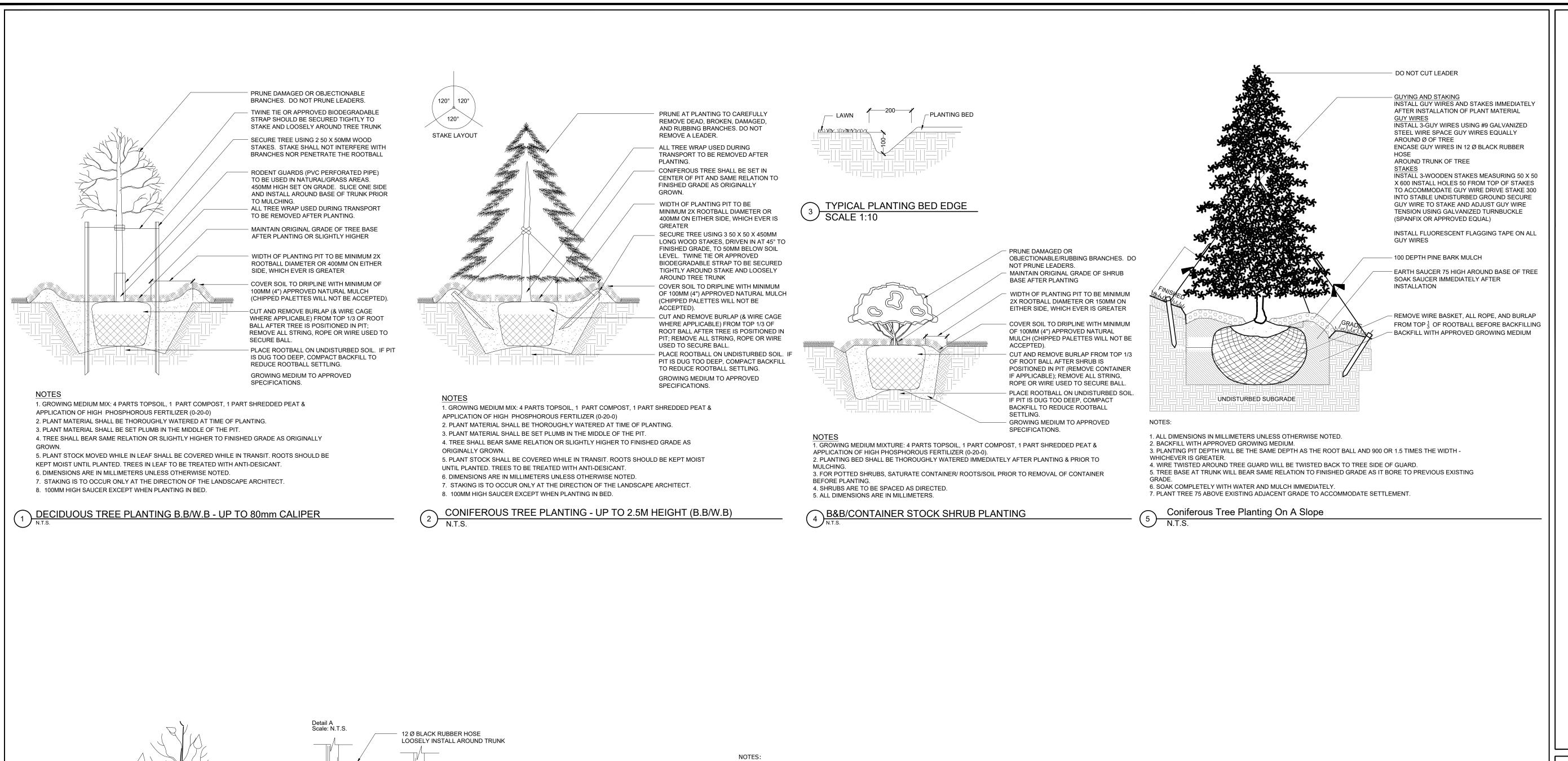


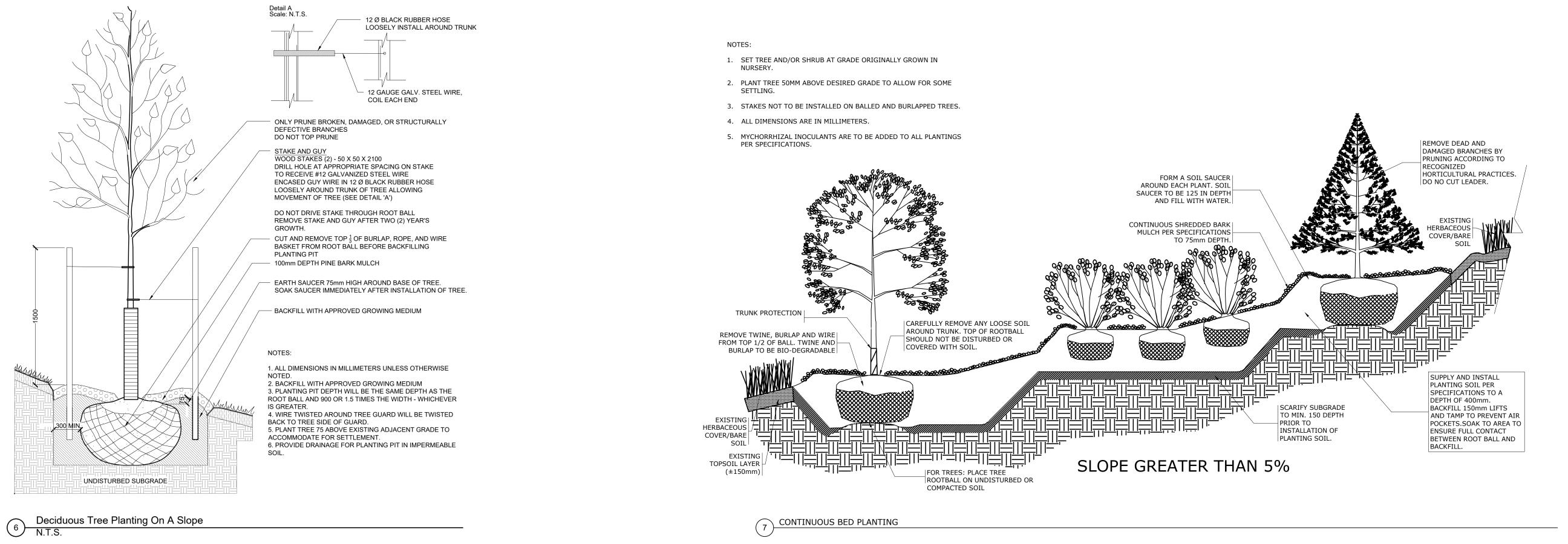










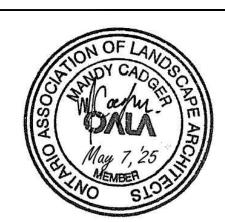


DETAILS

105 2nd Line Shelburne, Ontario

ISSUED FOR TENDER, NOT FOR CONSTRUCTION.

Date: 2024.10.07



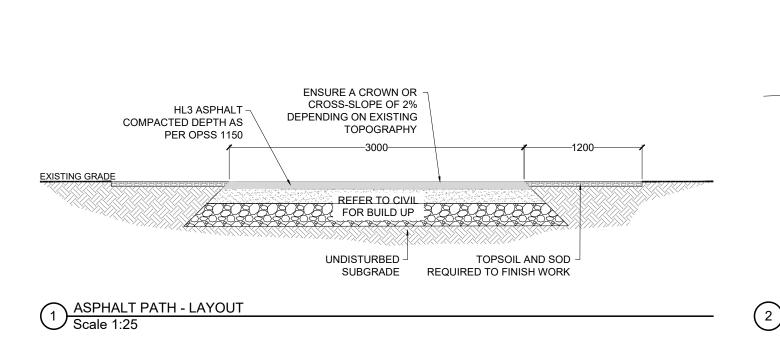


201-72 Victoria Street South
Kitchener, Ontario N2G 4Y9
T 519 569 8883
F 519 569 8643

WWW.gspgroup.ca

N.T.S

Project No.: 15017.222



HAUSER SITE FURNITURE

Width: 72" (182.9 cm) Depth: 23.75" (60.3 cm)

Height: 35" (88.9 cm)

Weight: 120.0 lb (54.5 kg)

HAUSER

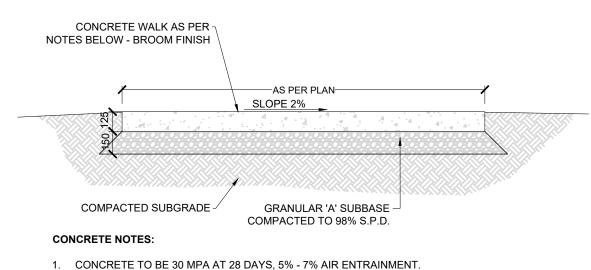
Width: 66" (167.6 cm)

Depth: 84" (213.4 cm)

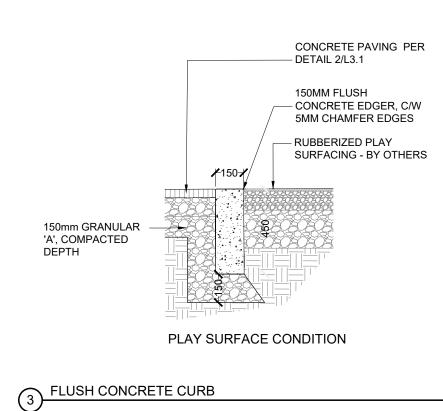
Height: 31" (78.7 cm)

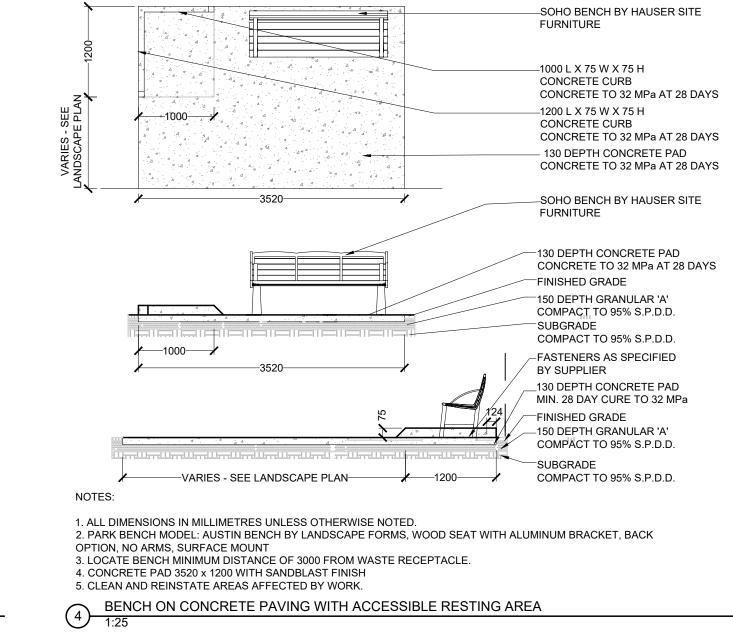
Weight: 240.0 lb (109.0 kg)

Arm Height: 25.75" (65.4 cm)



. CONCRETE TO BE 30 MPA AT 28 DAYS, 5% - 7% AIR ENTRAINMENT. 2. EXPANSION JOINTS SHALL BE LOCATED EVERY 6.0m MAXIMUM AND SHALL USE 12mm WIDTH BITUMINOUS FIBRE. 3. CONTROL JOINTS SHALL BE SAWCUT (25mm DEPTH). CONCRETE PAVING





Soho Bench With Right Center Arm PS-690-3-RSFVA-AL - Soho Bench with Left Side Facing Arm

Our Soho bench features an all-welded aluminum frame, with laser cut aluminum seat and back. Shown here with an optional right side facing center arm, and in our 'Slate Black' powdercoat finish. Available in a variety of sizes and finishes, freestanding or bolt-down.

NOTE: RIGHT ARM TO BE REMOVED COLOUR TBD





APEX Picnic Table With Enviro-Wood Slat Top & Benches

US-199-24-EWC-EWC-84

APEX Picnic Table with Enviro-Wood Slat Top & Benches with Chamfered Corners 66"W x 84"L x 31"

APEX Picnic Table with Enviro-Wood and Aluminum. APEX is a direct result of our Zero-Waste production policy. APEX is made from leftover material, utilizing the off-cuts from our Pergola shade structures. We cut the tubing into various geometric shapes and weld them together to form the base frame. The result is a contemporary take on the traditional picnic table.



NOTE: LEFT ARM TO BE REMOVED

Soho Bench With Left Center Arm

Our Soho bench features an all-welded aluminum frame, with laser cut aluminum seat and back.

Shown here with an optional left side facing center arm, and in our 'Slate Black' powdercoat

PS-690-3-LSFVA-AL - Soho Bench with Left Side Facing Arm

finish. Available in a variety of sizes and finishes, freestanding or bolt-down.



6 BACKED BENCH - TYPE L

HAUSER

Width: 72" (182.9 cm)

Height: 35" (88.9 cm)

Weight: 120.0 lb (54.5 kg)

Arm Height: 25.75" (65.4 cm)

Depth: 23.75" (60.3 cm)

Slat Top & Benches ADA Compliant
US-199-H-23-EWC-EWC-102 APEX Picnic Table with Enviro-Wood Slat Top & Benches with Chamfered Corners, ADA 66"W x 102"L x 31"H

APEX Picnic Table With Enviro-Wood

APEX Picnic Table with All-Aluminum. APEX is a direct result of our Zero-Waste production policy. APEX is made from leftover material, utilizing the off-cuts from our Pergola shade structures. We cut the tubing into various geometric shapes and weld them together to form the base frame. The result is a contemporary take on the traditional picnic table.



Width: 66" (167.6 cm)

Depth: 102" (259.1 cm)

Height: 31" (78.7 cm)

PS-79-SS-101-BD - Halo Stainless Steel Bike Rack Our Halo Stainless Steel Bicycle Rack features a 316 stainless tubular steel construction, and is available in Surface or In-Ground mounting options.

Halo Stainless Steel Bicycle Rack

NOTE: COLOUR TO BE GUNMETAL



7 BACKLESS BENCH

Soho Backless Bench

NOTE: COLOUR TBD

PS-691-3-AL-MW1-M - Soho Backless Bench

Available in a variety of sizes and finishes, freestanding or bolt-down.

HAUSER SITE FURNITURE City 2 Stream Waste/Recycle Receptacle PS-944-24-29 - City Waste/Recycle Receptacle

HAUSER

Width: 35.5" (90.2 cm)

Depth: 2.25" (5.7 cm)

Height: 32" (81.3 cm)

Weight: 37.0 lb (16.8 kg)

Width: 72" (182.9 cm) Depth: 23.25" (59.1 cm) Seat Height: 17.75" (45.1 cm)

Arm Height: 24.25" (61.6 cm)

Our 'City' waste/recycle receptacle features an all-welded aluminum, powdercoated body and frame. The 2 stream unit features 2 - 20.5 gallon poly liners, and is shown here in our 'Pewter' finish. It is available in a variety of sizes, and waste stream options.

Depth: 29" (73.7 cm) Height: 47.5" (120.7 cm) Total Capacity: 41 gal (155.2 L)

HAUSER

NOTE: COLOUR TO BE GUNMETAL

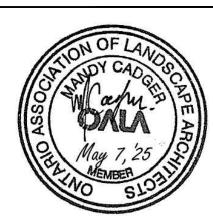


DETAILS

105 2nd Line Shelburne, Ontario

ISSUED FOR TENDER, NOT FOR CONSTRUCTION.

Date: 2024.10.07



DATE	ISSU	E	BY
oct. 09, 2024 lar. 20, 2025	Issued for Grant Application Issued for Coordination		JH MC
pril 23, 2025	Issued for Tender Draft Issued for Tender		MC MC
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Drawn By: EM

Project No.: 15017.222



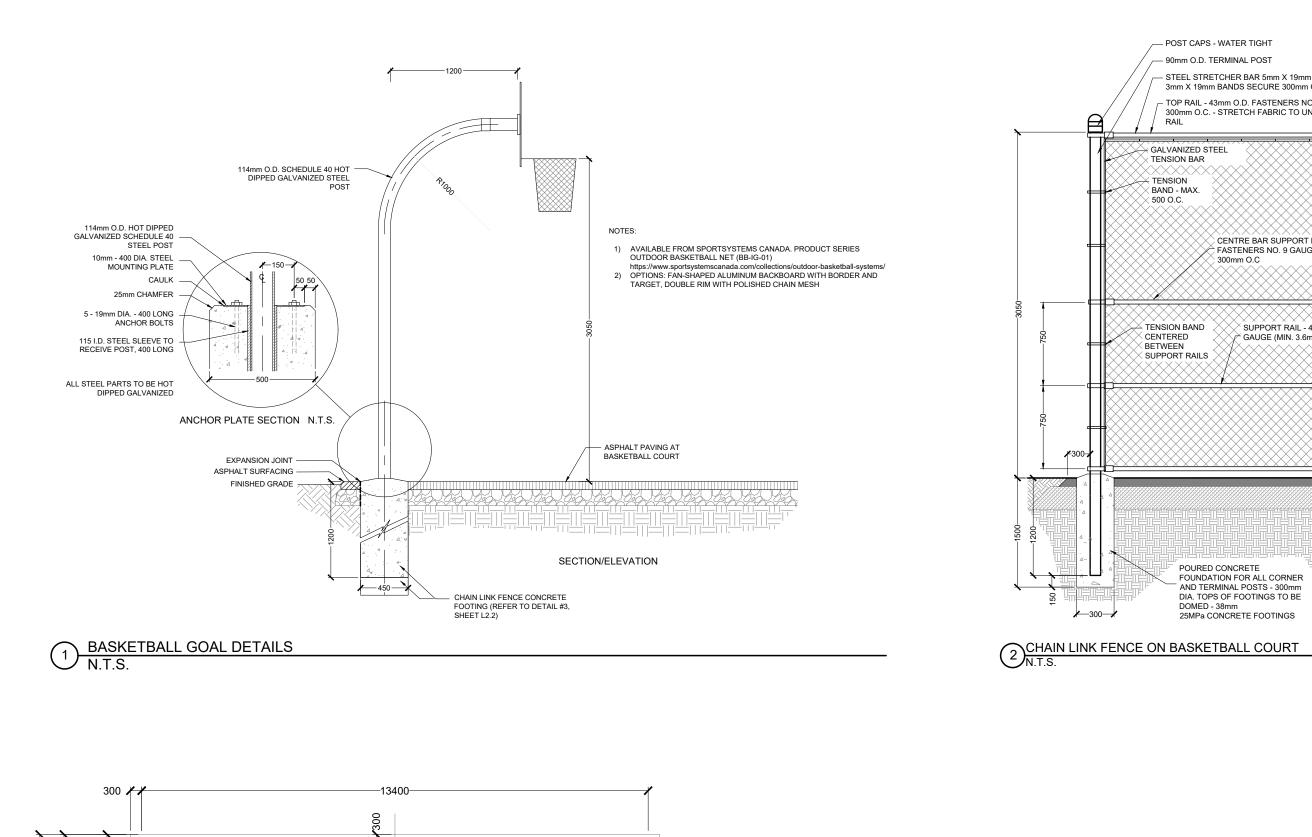


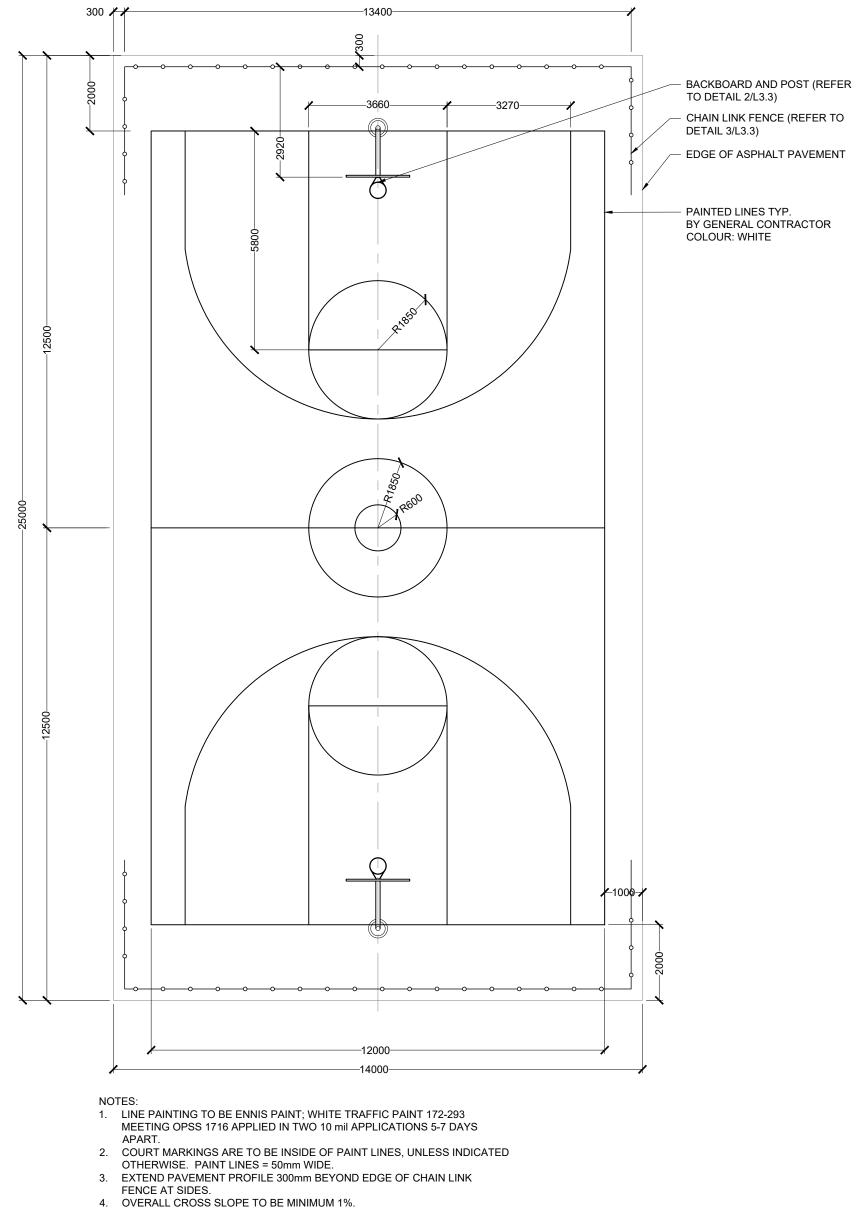


ACCESSIBLE PICNIC TABLE

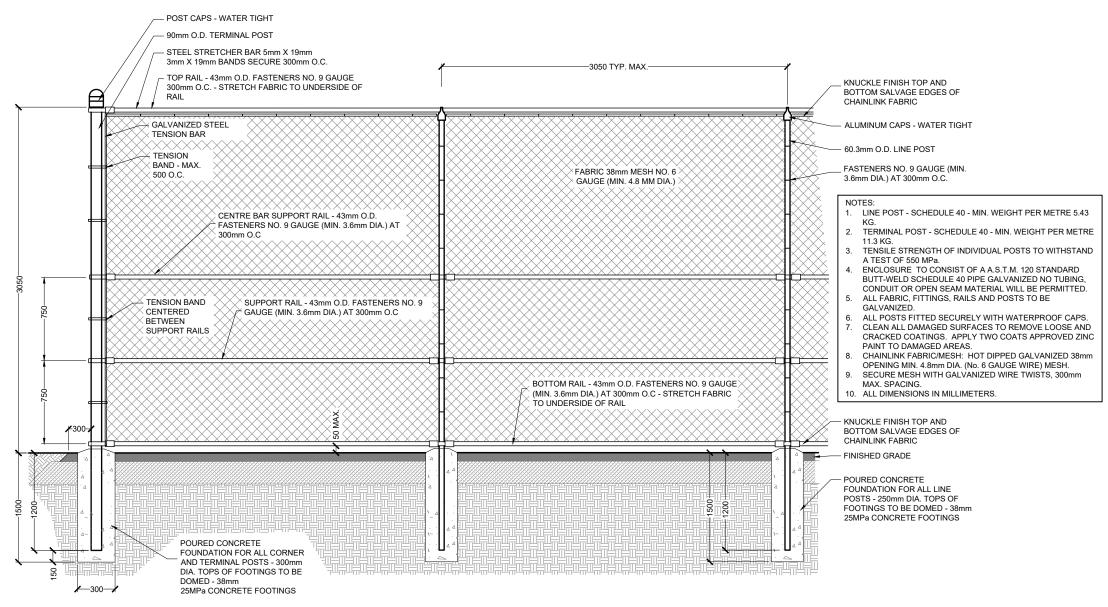
BIKE RACKS

PICNIC TABLE



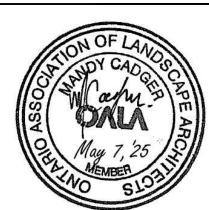


BASKETBALL COURT LAYOUT



SPORTS & PLAYGROUND DETAILS 105 2nd Line Shelburne, Ontario

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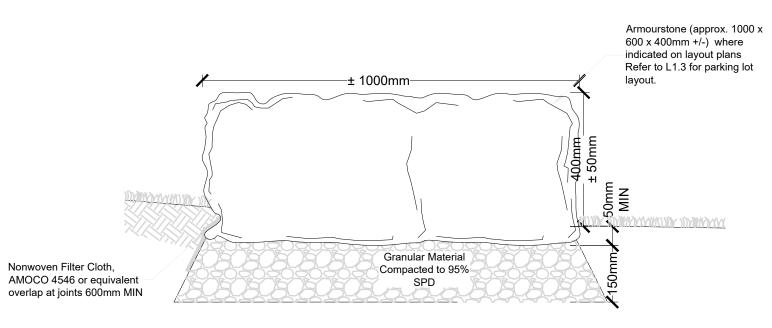


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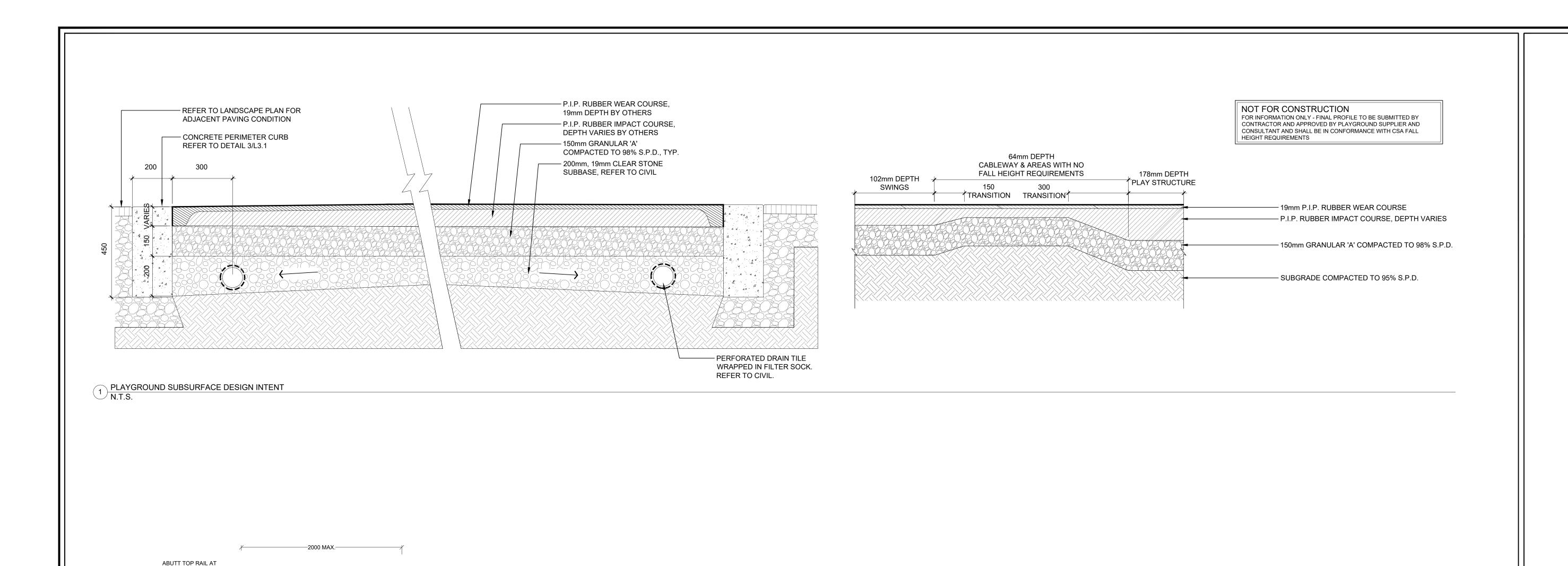


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- 1. All stones shall be of a uniform thickness and rectangular in shape. Stones blasted from quarries with irregular shapes or sharp edges will not be accepted.
- A minor tolerance will be acceptable to adjust with adjacent grades and rock elevations to achieve the desired
- The Contractor shall contact the consultant for approval of stone at the extraction source or distribution facility
- The Consultant reserves the authority to reject any material delivered to the site that is deemed unsuitable.
 Granular base material and layout to be approved by Consultant prior to stone installation.



SPORTS & PLAYGROUND DETAILS 105 2nd Line Shelburne, Ontario

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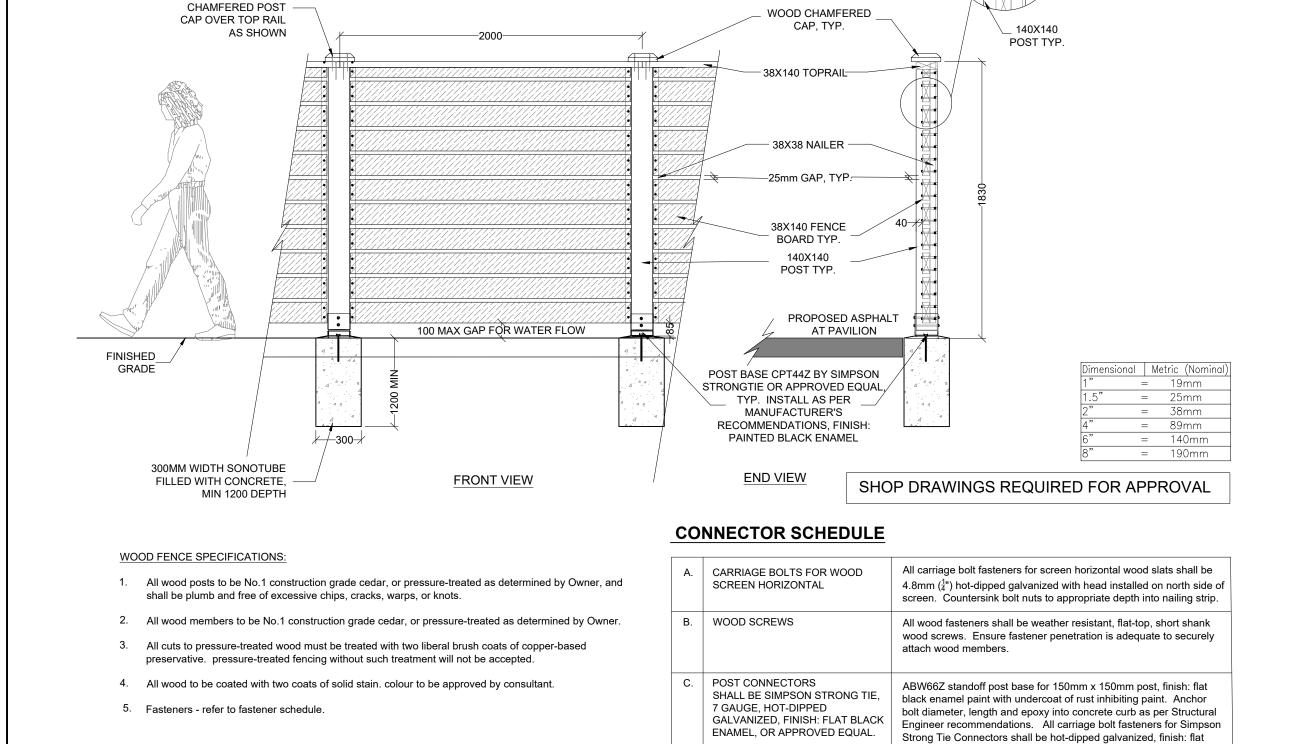


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FACING

GAP TYP

black enamel paint.

FACING PAVILION STRUCTURE

COUNTERSINK CARRIAGE BOLT WASHER & NUT THIS SIDE

38X38 NAILER

CENTER OF POST AND FASTEN WITH 2 SCREWS

FASTEN WOOD

PROVISIONAL - PRIVACY SCREEN

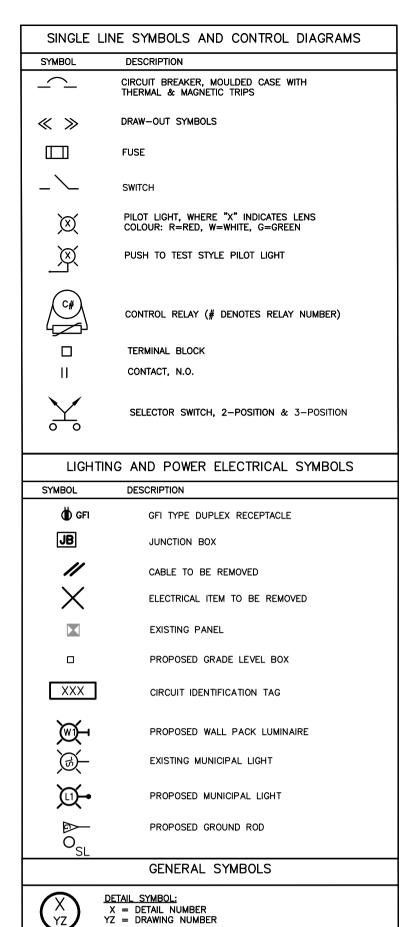
1800mm HT. SCALE: NTS

AT EACH END AS SHOWN

FACING PAVILION

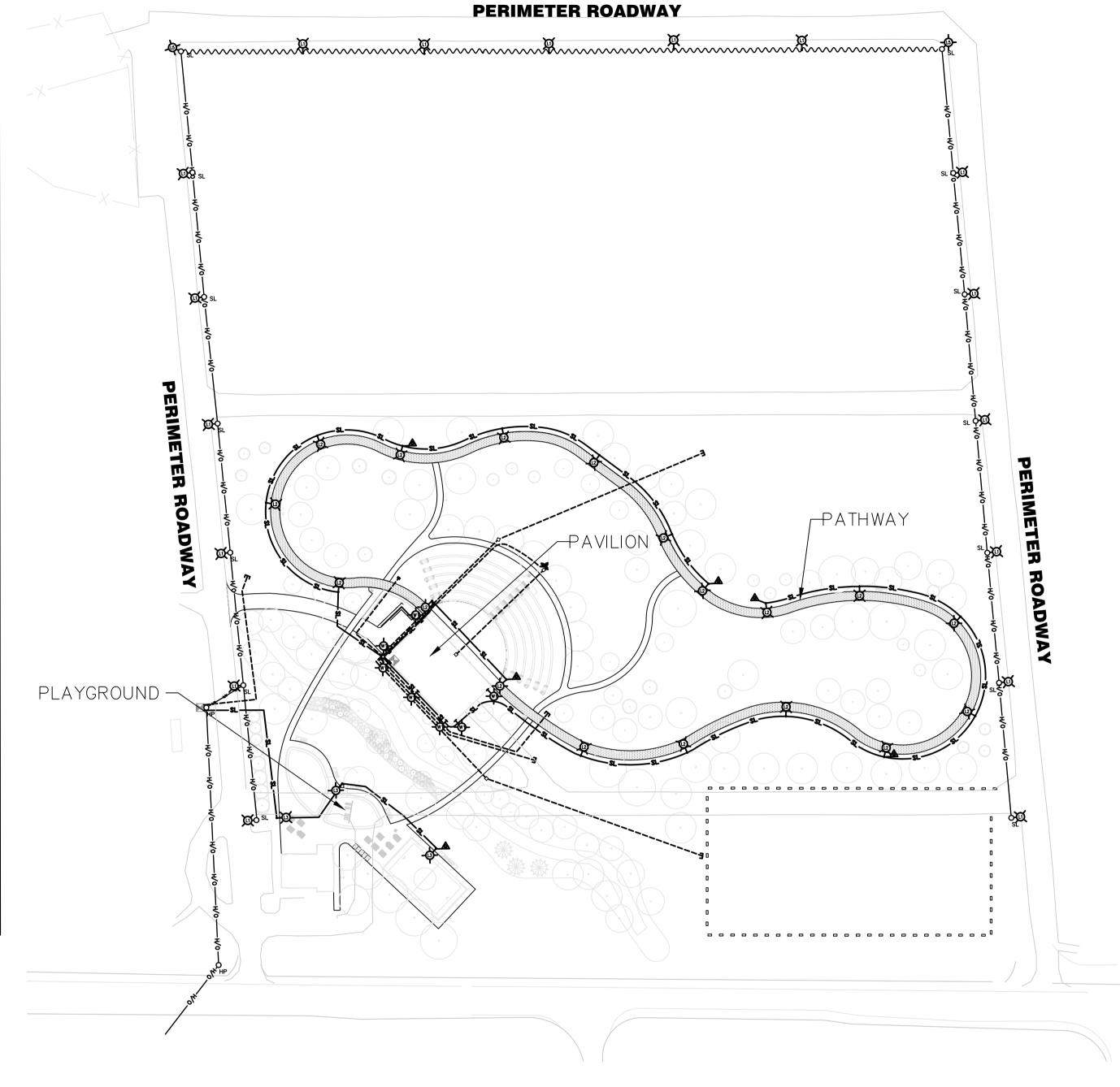
STRUCTURE

FACING OUT



BBREVIATION	DESCRIPTION AMPERES (CONTINUOUS)
A AC	AMPERES (CONTINUOUS) ALTERNATING CURRENT
ASYM	ASYMMETRICAL
ATS	AUTOMATIC TRANSFER SWITCH
AUTO	AUTOMATIC
AWG	AMERICAN WIRE GAUGE
BU	BATTERY UNIT (EMERGENCY)
•C	DEGREE CELSIUS
C	CONDUCTOR
CCT	CIRCUIT
Ę O (W	CENTERLINE
C/W	COMPLETE WITH
CPT	CONTROL POWER TRANSFORMER
CSA	CANADIAN STANDARDS ASSOCIATION
СТ	CURRENT TRANSFORMER
Cu	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DPDT	DOUBLE POLE COURSE THROW
DPST	DOUBLE POLE SINGLE THROW
EEMAC	ELECTRICAL AND ELECTRONIC MANUFACTURERS ASSOCIATION OF CANADA
EP	EXPLOSION PROOF (SUITABLE FOR CLASS I, ZONE 1)
ETM	ELAPSED TIME METER
ESA	ELECTRICAL SAFETY AUTHORITY
GFI	GROUND FAULT INTERRUPTER
GND	GROUND
HOA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
Hz	HERTZ
IEEE	INSTITUTE OF ELECTRICAL & ELECTRONIC ENGINEERS
INST	INSTANTANEOUS
1/0	INPUT/OUTPUT
ISB JB	INTRINSIC SAFETY BARRIER JUNCTION BOX
kAIC	KILO-AMP INTERRUPTING CAPACITY
kVA	KILOVOLTAMPERE
kW	KILOWATT
kWh	KILOWATT HOUR
LOR	LOCAL-OFF-REMOTE
LUC	LOCAL UTILITY COMPANY (LAKELAND POWER)
MAN	MANUAL CENTRE
MCC MH	MOTOR CONTROL CENTRE MANHOLE
mm	MILLIMETER
мот	MOTOR
N	NEUTRAL NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEMA N/A	NON AUTOMATIC
N.O.	NORMALLY OPEN
N.C.	NORMALLY CLOSED
NP NTS	NAMEPLATE NOT TO SCALE
OESC	ONTARIO ELECTRICAL SAFETY CODE
O/H	OVERHEAD
0/L 00	OVERLOAD ON_OFF
PB	ON-OFF PUSHBUTTON
PDC	POWER DISTRIBUTION CENTRE
PH. OR Ø	PHASE OR DIAMETER
PLC	PROGRAMMABLE LOGIC CONTROLLER
REM	REMOTE
RGS	RIGID GALVANIZED STEEL
RPVC SN	RIGID PVC SOLID NEUTRAL
SPDT	SINGLE POLE DOUBLE THROW
SPMDD	STANDARD PROCTOR MAXIMUM DRY DENSITY
SPST	SINGLE POLE SINGLE THROW
SW	SWITCH
SYM	SYMMETRICAL THE DELAY ON CLOSING
TDC TDDO	TIME DELAY ON CLOSING TIME DELAY ON DROP-OUT (OR OFF TIMER)
TDO	TIME DELAY ON DROP-OUT (OR OFF TIMER)
TDPU	TIME DELAY ON PICK-UP
TYP.	TYPICAL
U/G	UNDERGROUND
VA	VOLT-AMPERE
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF

STANDARD ABBREVIATIONS - ELECTRICAL



MASTER ELECTRICAL LEGEND

DRAWING LIST

E1.0 ELECTRICAL REMOVALS, LEGEND & DRAWING LIST

E1.6 EXISTING POWER PANEL WIRING DIAGRAMS

E1.11 ELECTRICAL PHOTOMETRIC ANALYSIS 1
E1.12 ELECTRICAL PHOTOMETRIC ANALYSIS 2

E1.1 ELECTRICAL REMOVALS 1

E1.2 ELECTRICAL REMOVALS 2
E1.3 ELECTRICAL LAYOUT 1
E1.4 ELECTRICAL LAYOUT 2
E1.5 ELECTRICAL LAYOUT 3

E1.7 ELECTRICAL DETAILS
E1.8 ELECTRICAL SPECIFICATIONS 1
E1.9 ELECTRICAL SPECIFICATIONS 2
E1.10 ELECTRICAL SPECIFICATIONS 3

ALL SYMBOLS/DEVICES/ABBREVIATIONS LISTED MAY NOT APPLY

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SCALED.

BENCHMARKS

NOTES

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No. REVISION DESCRIPTION DATE

1. ISSUED FOR TENDER APR 2025

OVERALL SITE PLAN

S. R. S. TAYLOR F. 100518503 25APR'25

FIDDLE PARK UPGRADES TATHAM

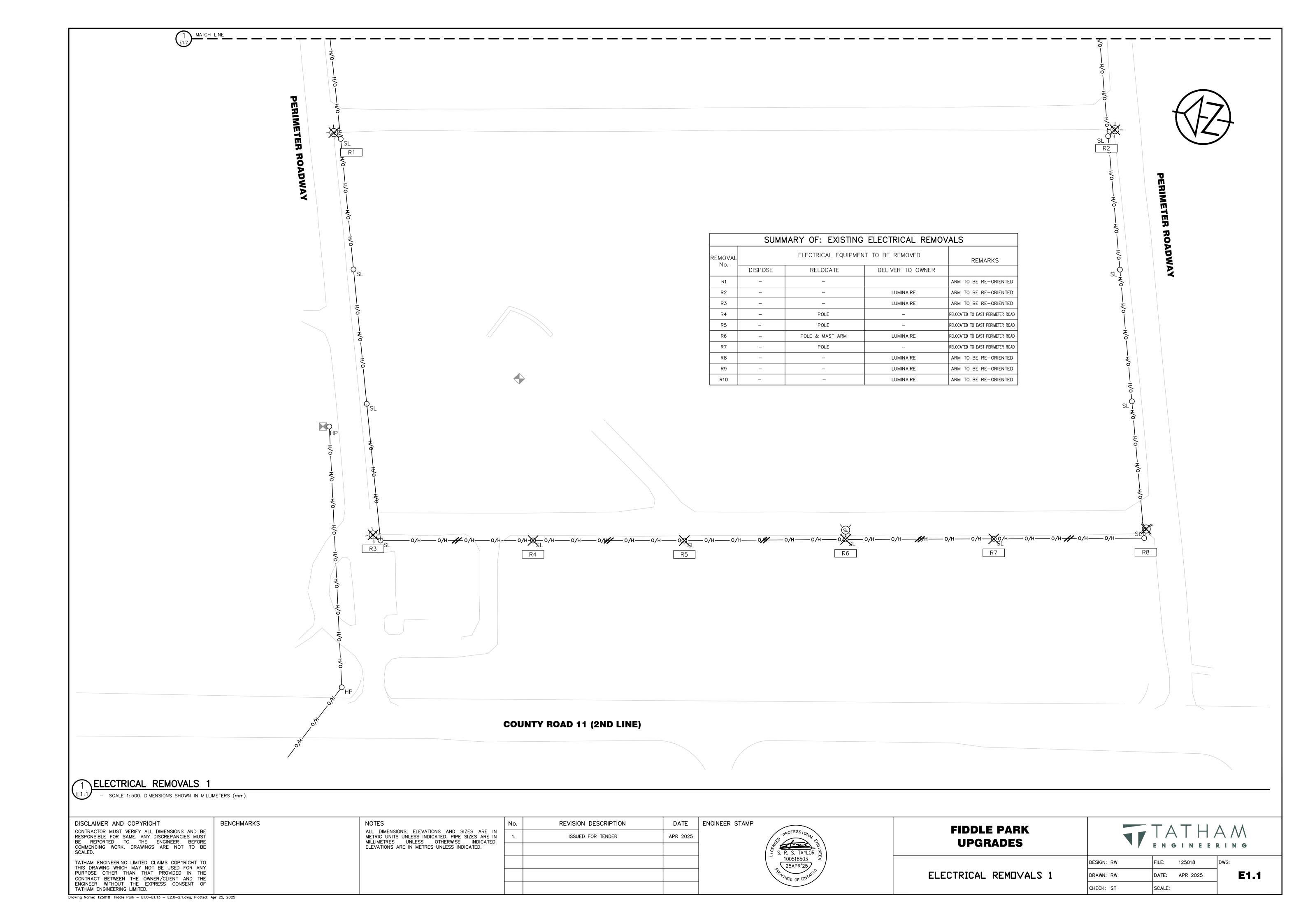
E1.0

ELECTRICAL OVERALL SITE PLAN, LEGEND AND DRAWING LIST

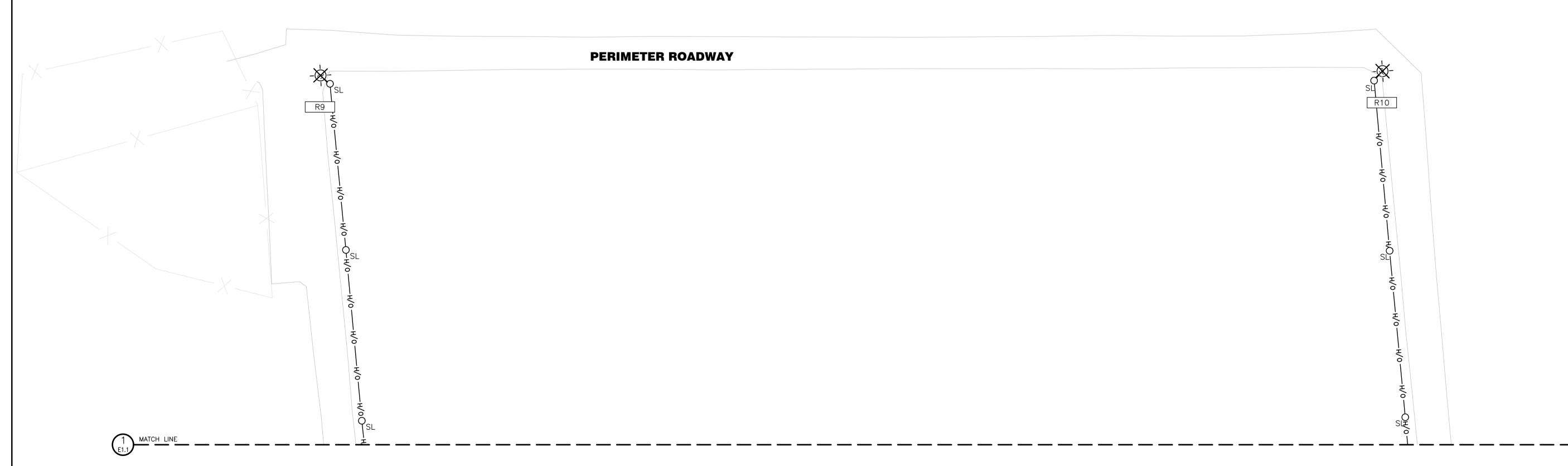
DESIGN: RW FILE: 125018

DRAWN: RW DATE: APR 2025

CHECK: ST SCALE:







1 ELECTRICAL REMOVALS 2

- SCALE 1:500. DIMENSIONS SHOWN IN MILLIMETERS (mm).

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No.	REVISION DESCRIPTION	DATE	ENGINEER STAMP
1.	ISSUED FOR TENDER	APR 2025	

S. R. S. TAYLOR F. 100518503 25APR'25

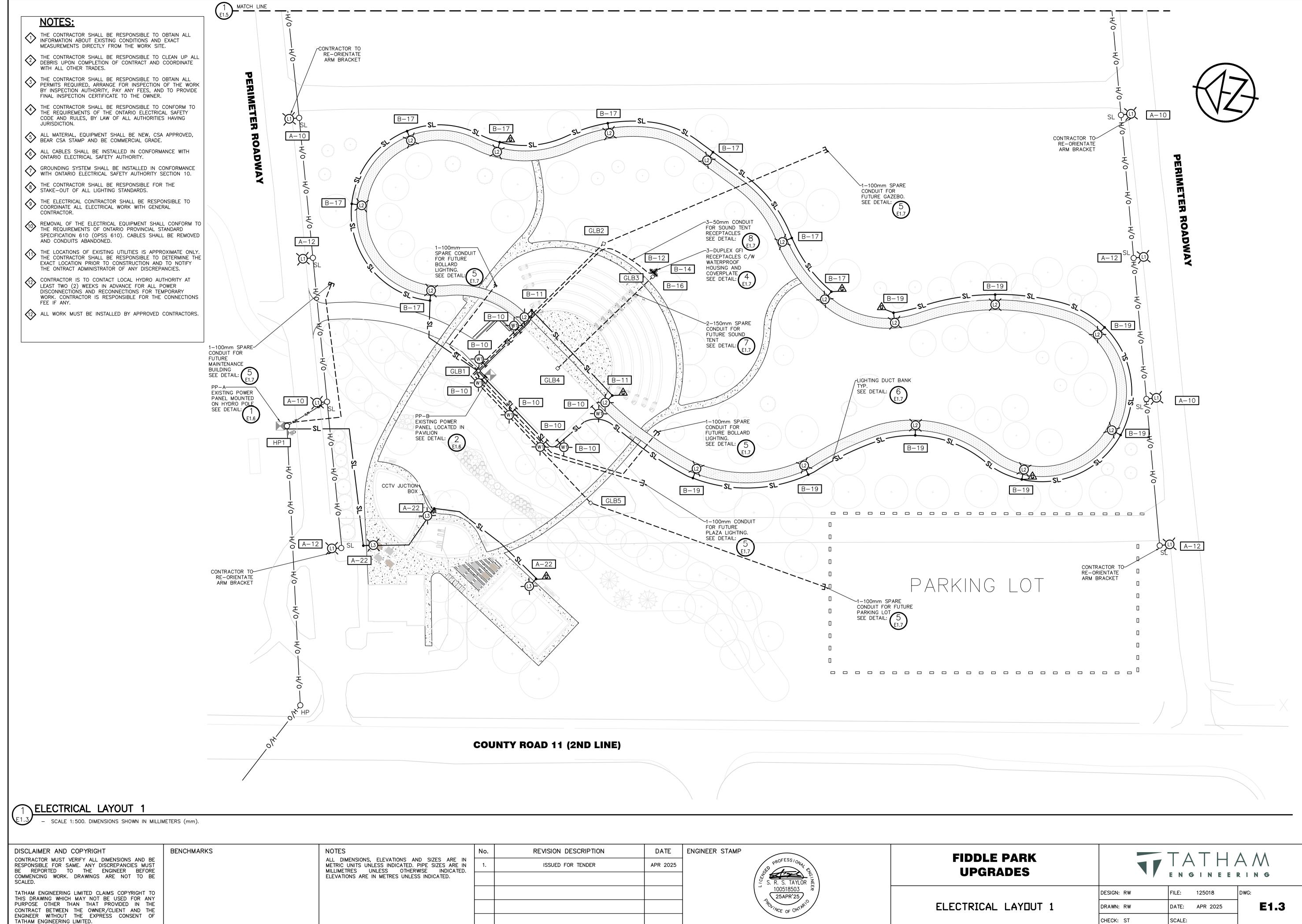
FIDDLE PARK UPGRADES

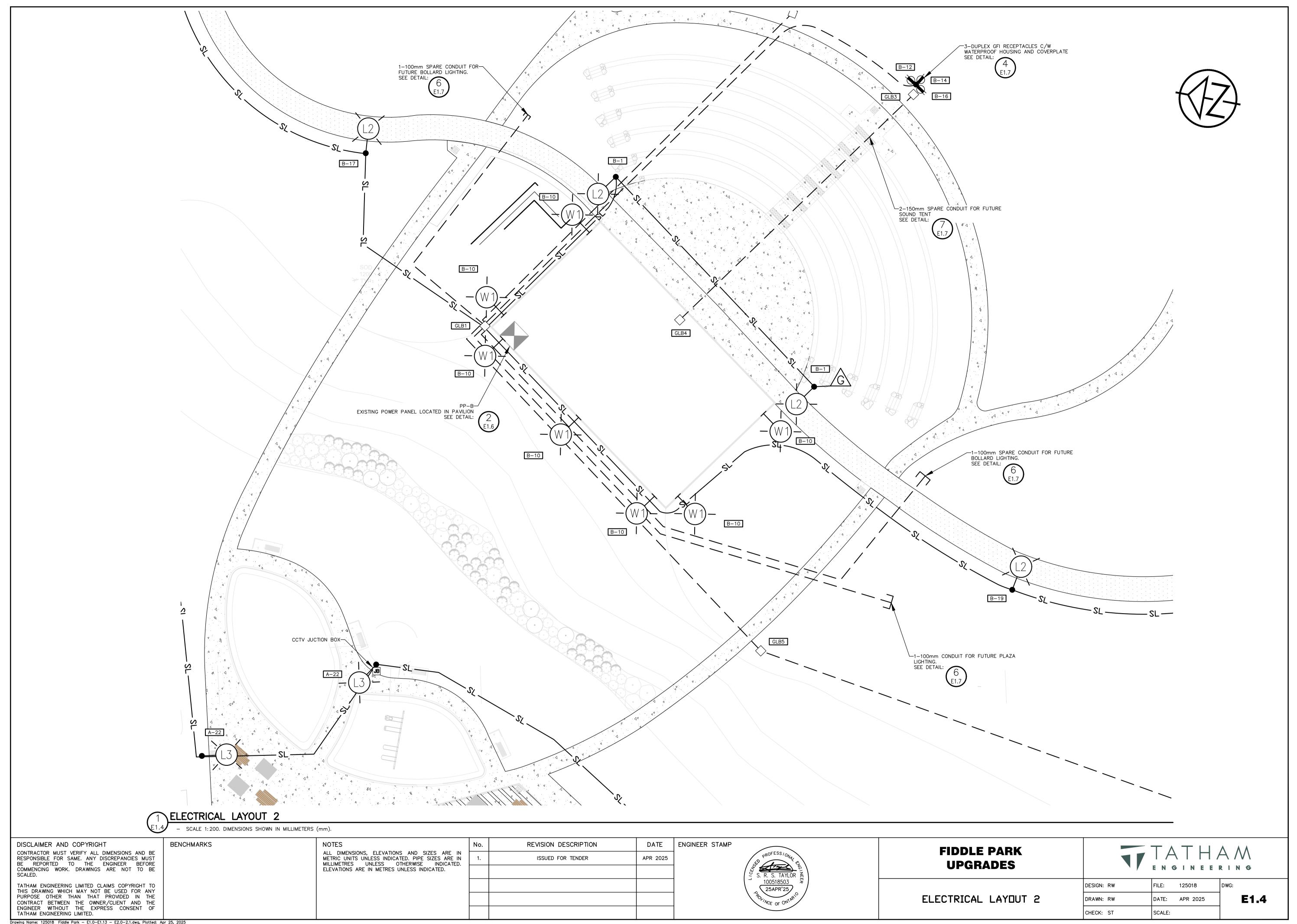
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ELECTRICAL REMOVALS 2

DESIGN: RW FILE: 125018 DW
DRAWN: RW DATE: APR 2025
CHECK: ST SCALE:

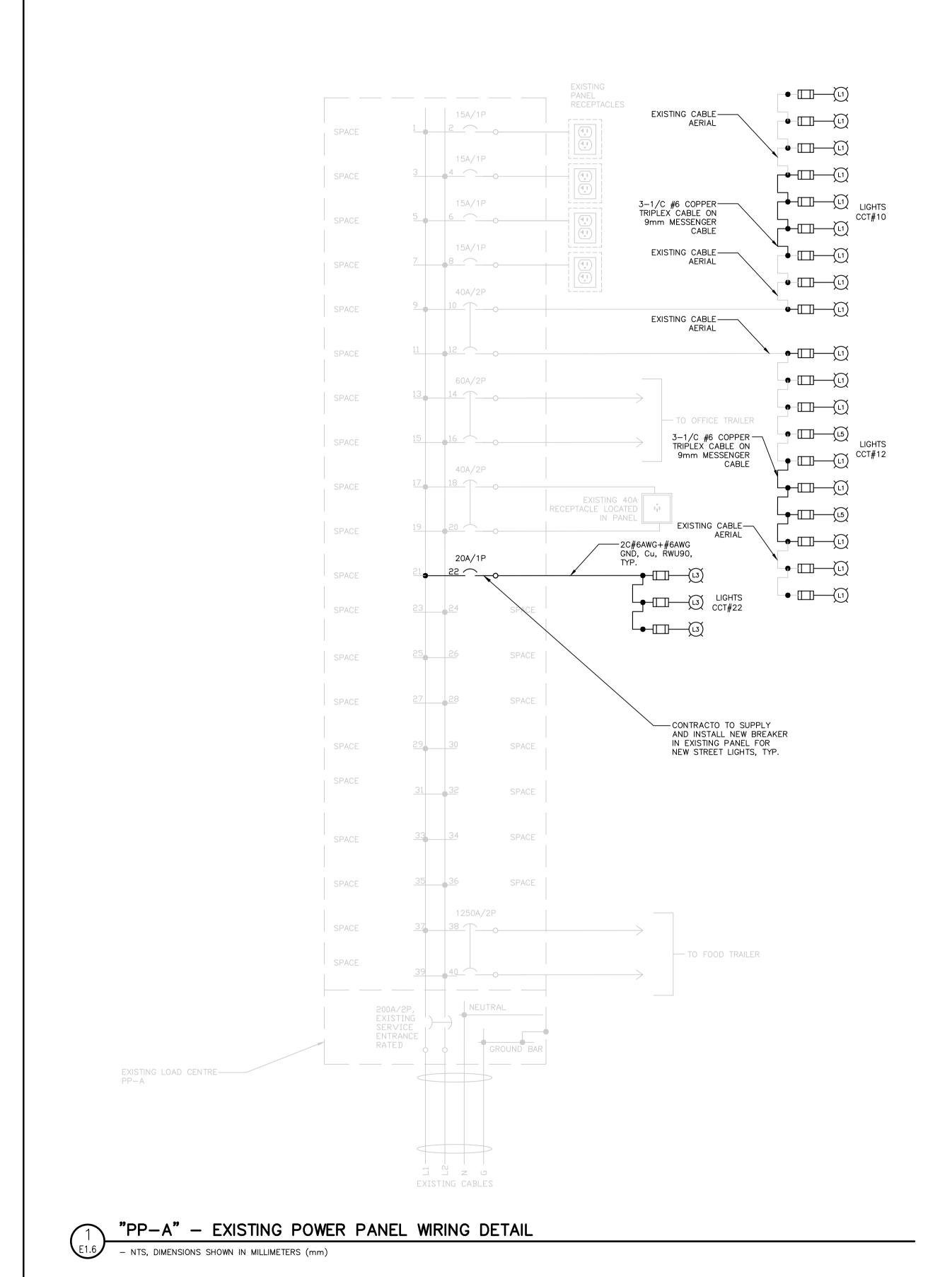
E1.2





NOTES: THE CONTRACTOR SHALL INSTALL NEW ARMS AND NEW LUMINAIRES ON RELOCATED POLES ALONG THE EAST PERMETER ROAD. ONE CONCRETE POLE SHALL BE INSTALLED — LUMINAIRE 2C#12AWG Cu, RW90 — CONDUCTORS, INSIDE LUMINAIRE ARM LUMINAIRE GROUNDED TO NEUTRAL 1-POLE FINGER SAFE, — LOAD BREAKING, WEATHER PROOF INLINE FUSE HOLDER C/W 5A FUSE MOUNTED ON POLE 2C#12AWG + GND — Cu, RW90 CONDUCTORS, ON POLE OVERHEAD SECONDARY CABLE -L1 CCT A-10 -L2 CCT A-12 OVERHEAD WEATHERPROOF TERMINATIONS, TYP. OVERHEAD SECONDARY WIRING 73-1/C #6 COPPER TRIPLEX CABLE ON 9mm MESSENGER PERIMETER ROADWAY A-10 (1) S SL 1 ELECTRICAL LAYOUT 3 - SCALE 1:500. DIMENSIONS SHOWN IN MILLIMETERS (mm). DISCLAIMER AND COPYRIGHT BENCHMARKS REVISION DESCRIPTION DATE | ENGINEER STAMP FIDDLE PARK CONTRACTOR MUST VERIFY ALL DIMENSIONS AND BE RESPONSIBLE FOR SAME. ANY DISCREPANCIES MUST BE REPORTED TO THE ENGINEER BEFORE COMMENCING WORK. DRAWINGS ARE NOT TO BE SCALED. ALL DIMENSIONS, ELEVATIONS AND SIZES ARE IN METRIC UNITS UNLESS INDICATED. PIPE SIZES ARE IN MILLIMETRES UNLESS OTHERWISE INDICATED. ELEVATIONS ARE IN METRES UNLESS INDICATED. ISSUED FOR TENDER APR 2025 **UPGRADES** TATHAM ENGINEERING LIMITED CLAIMS COPYRIGHT TO THIS DRAWING WHICH MAY NOT BE USED FOR ANY PURPOSE OTHER THAN THAT PROVIDED IN THE CONTRACT BETWEEN THE OWNER/CLIENT AND THE ENGINEER WITHOUT THE EXPRESS CONSENT OF TATHAM ENGINEERING LIMITED. DESIGN: RW FILE: 125018 ELECTRICAL LAYOUT 3 E1.5 DATE: APR 2025 DRAWN: RW CHECK: ST SCALE:

Drawing Name: 125018 Fiddle Park - E1.0-E1.13 - E2.0-2.1.dwg, Plotted: Apr 25, 2025



LIGHTS CCT#15 -2C#6AWG+#6AWG GND, Cu, RWU90, TYP. r-----40A/1P 2C#4AWG+#8AWG-40A/1P GNĎ, Cu, ŔWU90, 20A/1P 15A/1P —PATHWAY LIGHTING CONTROL PANEL SEE DETAIL: i----i 20A/1P 40A/1P 20A RECEPTICALES LOCATED ON WOOD POST 2C#6AWG+#6AWG GND, Cu, RWU90, 2C#8AWG+#8AWG—GND, Cu, RWU90, PAVILION PATHWAY
LIGHTING CONTROL
PANEL SEE DETAIL:

[2]

[2]

[2]

[3]

[1]

[2] 15A/1P 15A/1P i______ 20A/1P 15A/1P WALL
PACK
LIGHTS
CCT#10 WP ------PAVILION PLUGS RATED EXISTING CABLES

"PP-B" - EXISTING POWER PANEL WIRING DETAIL

- NTS, DIMENSIONS SHOWN IN MILLIMETERS (mm)

40A RECEPTACLE

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S. R. S. TAYLOR ZA 100518503 25APR'25

DATE | ENGINEER STAMP

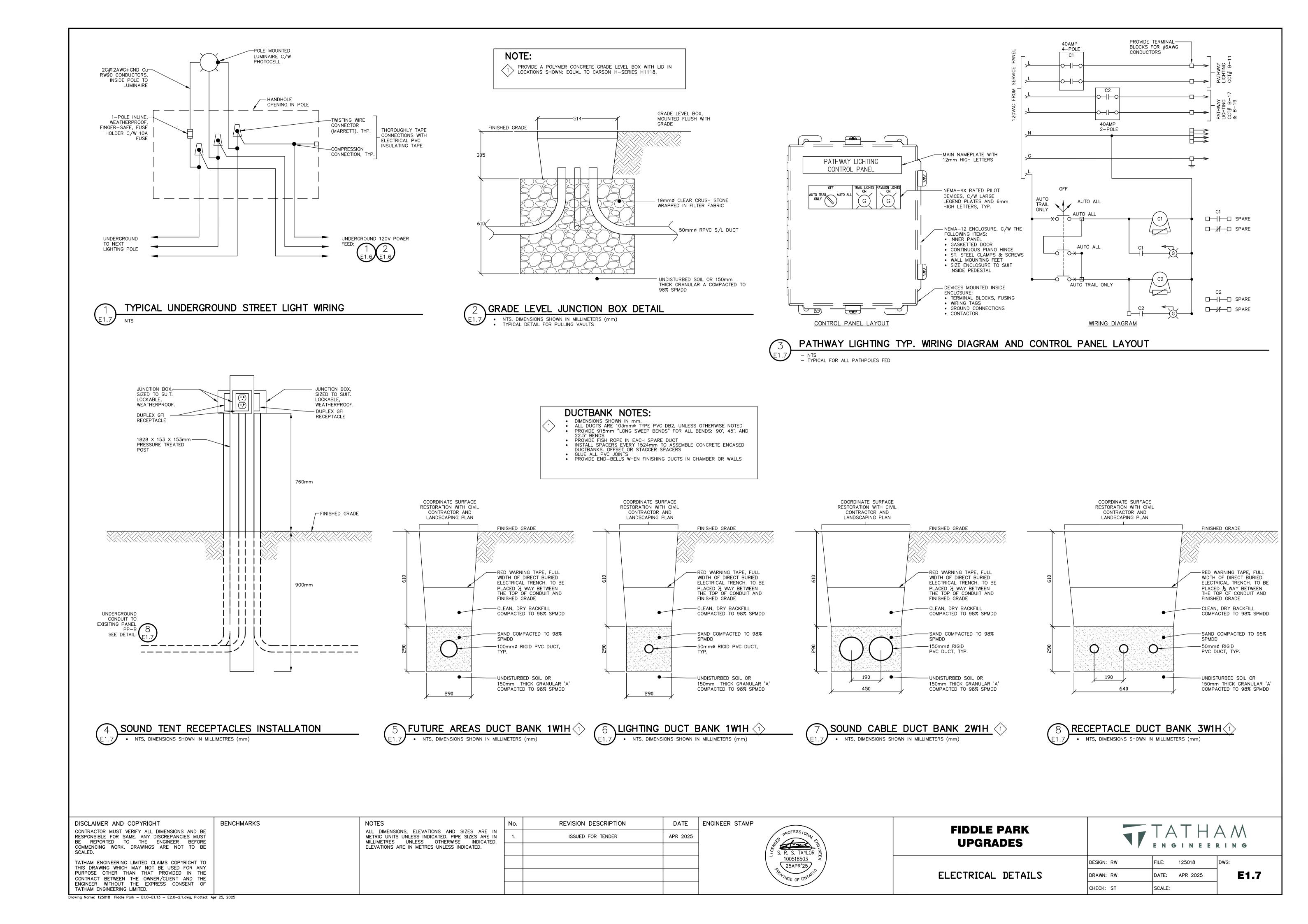
FIDDLE PARK UPGRADES

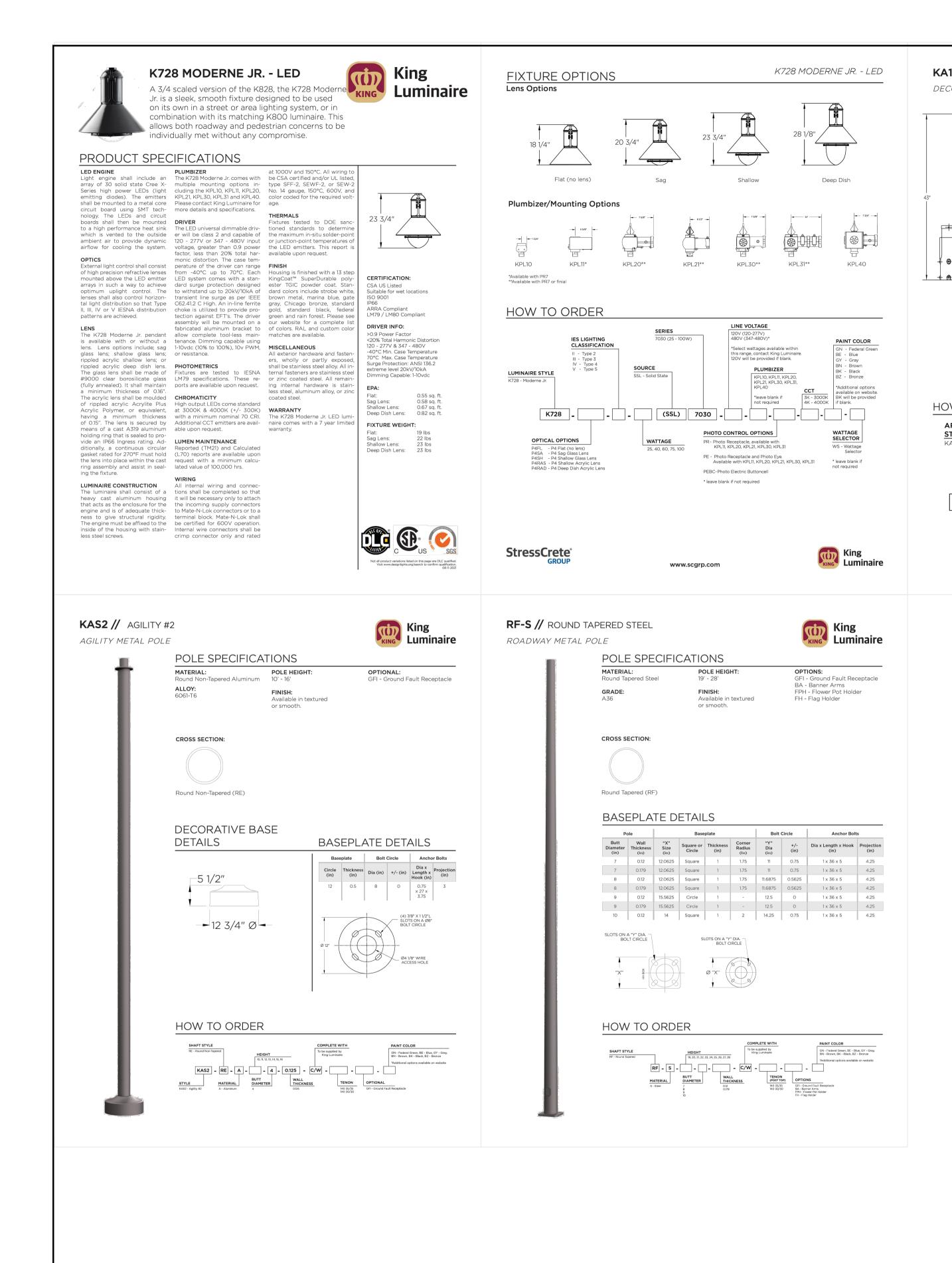
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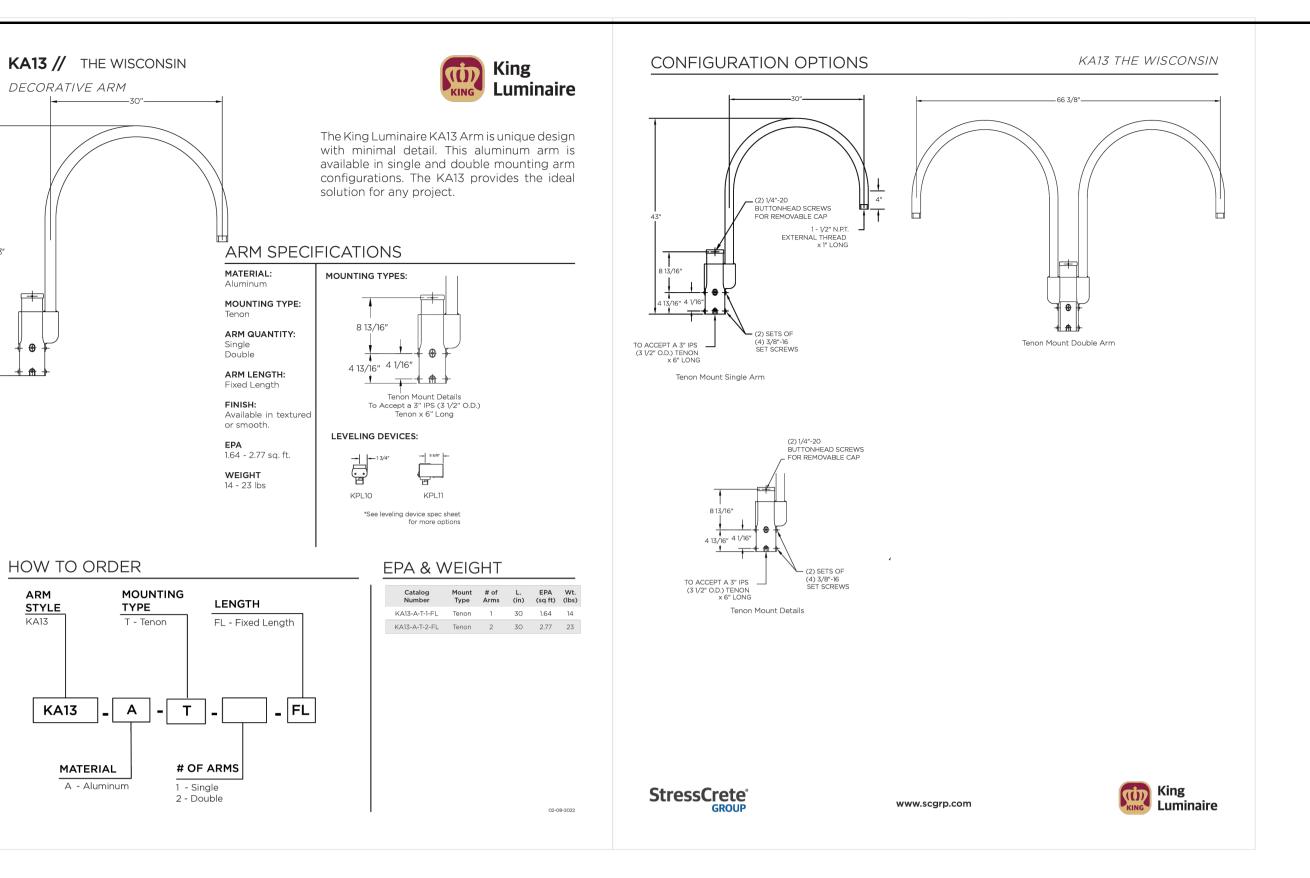
EXISTING POWER PANEL WIRING DIAGRAMS

DESIGN: RW FILE: 125018 DWG
DRAWN: RW DATE: APR 2025
CHECK: ST SCALE:

E1.6







LUMINAIRE, ARM BRACKET AND POLE SPECIFICATIONS 1 - L2 & L3

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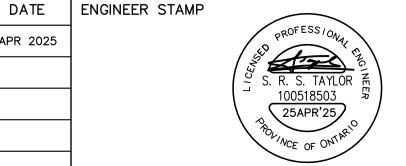
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REVISION DESCRIPTION

No.



FIDDLE PARK UPGRADES



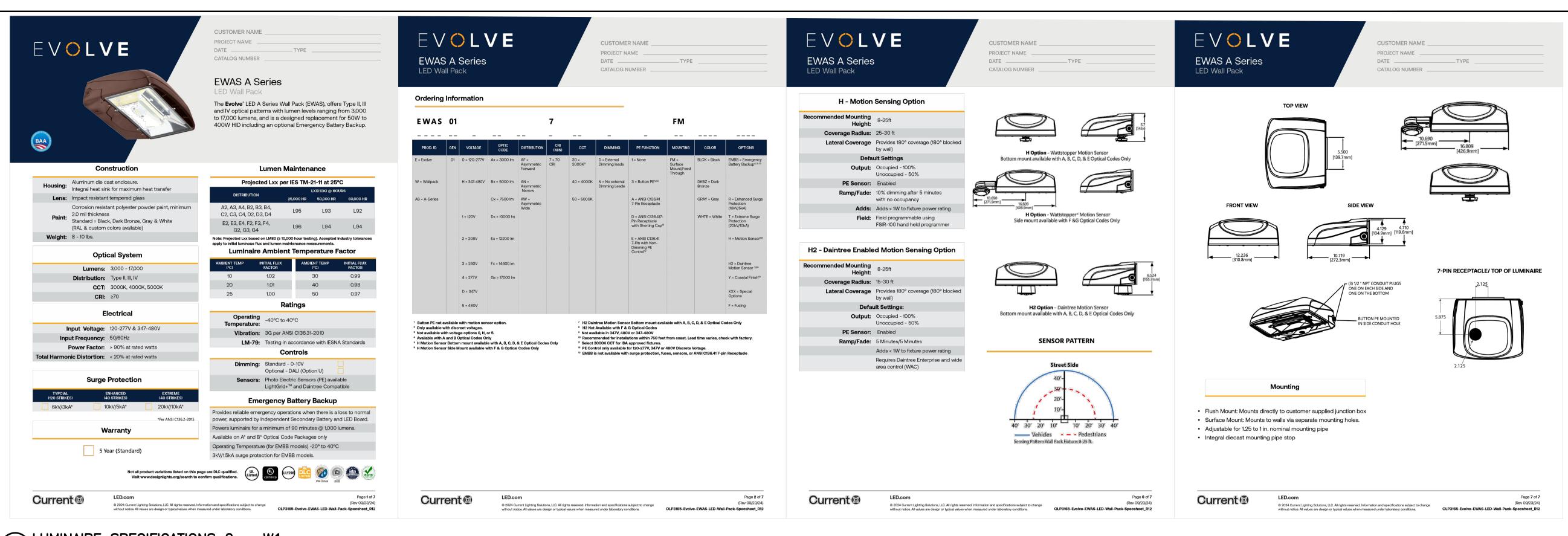
E1.8

SPECIFICATIONS 1

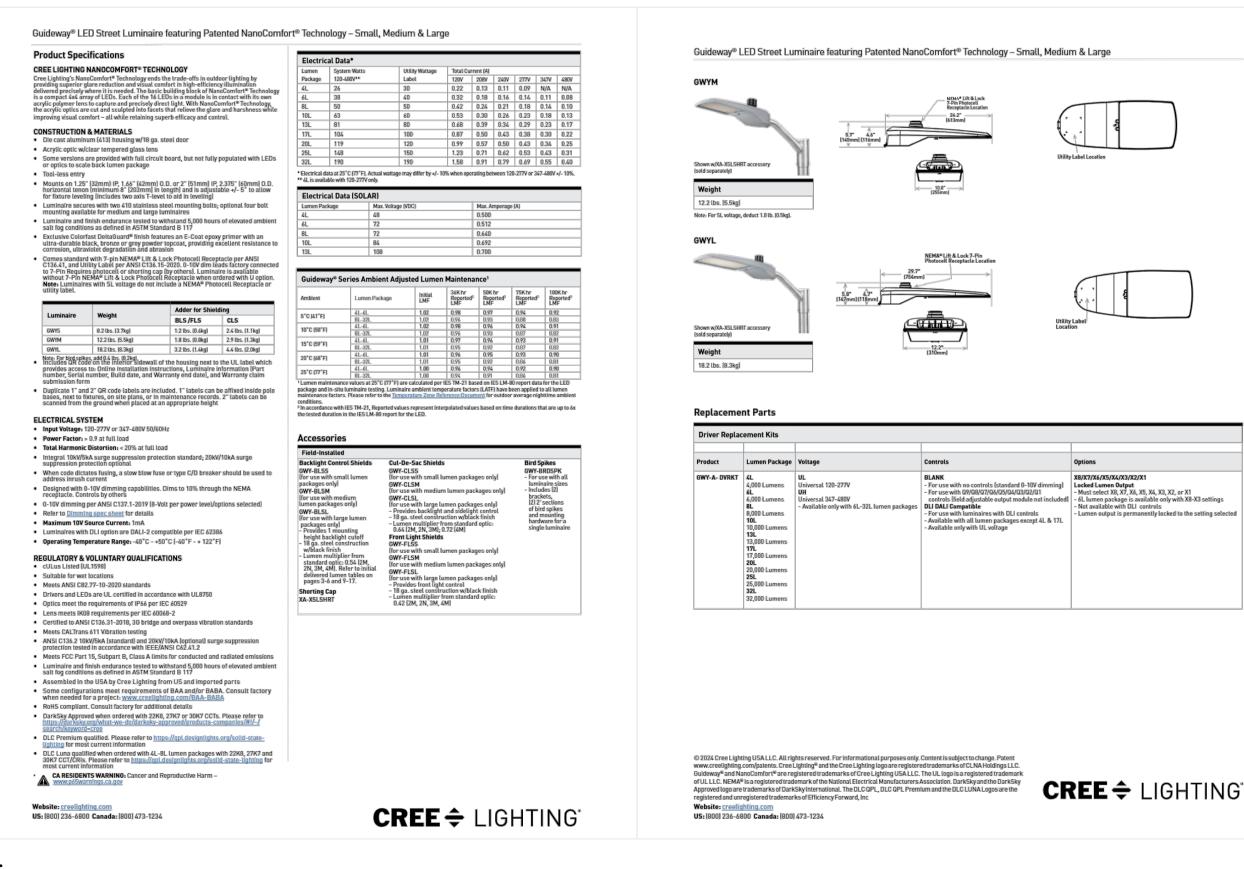
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DRAWN: RW DATE: APR 2025

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LUMINAIRE SPECIFICATIONS 2 - W1





2 E1.9 LUMINAIRE AND POLE SPECIFICATIONS 3 - L1 & L5

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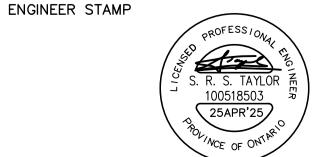
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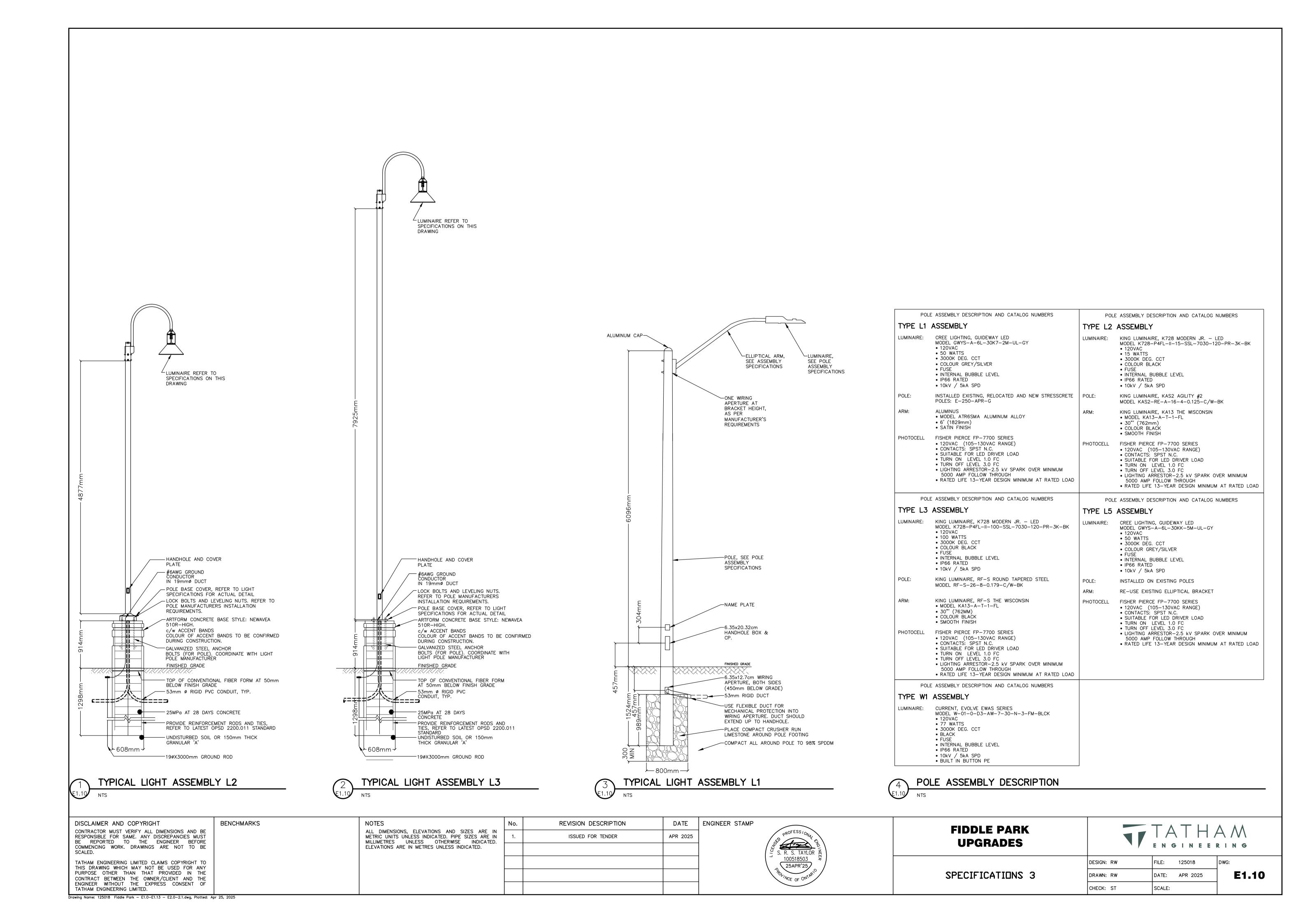
E1.9

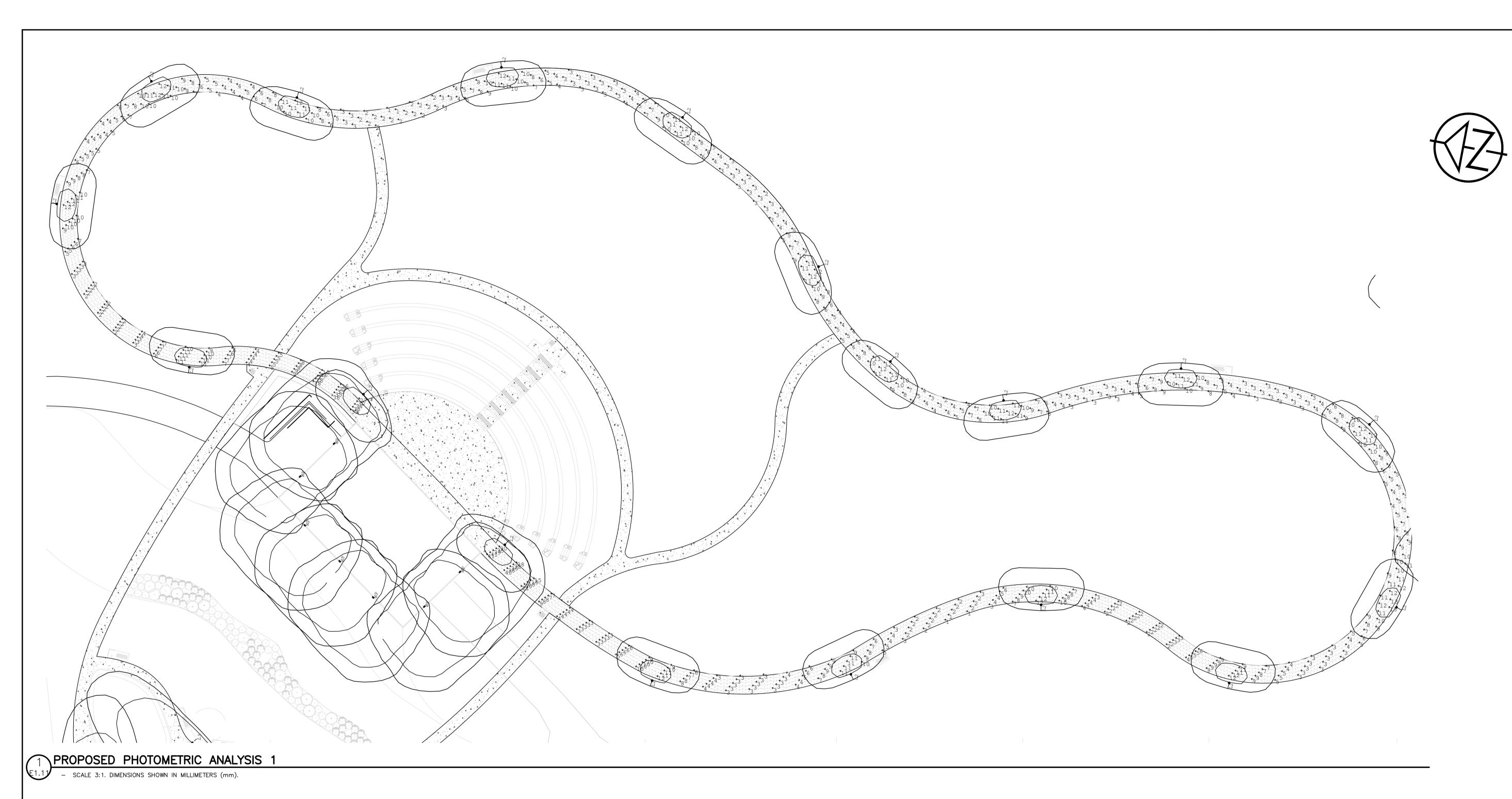
SPECIFICATIONS 2

DESIGN: RW FILE: 125018

DRAWN: RW DATE: APR 2025

CHECK: ST SCALE:





Luminaire Schedule							
Qty	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height
2	GWYS-A-6L-30K7-5M-Ux-xx-xx-xx CONFIGURED FROM GWYS-A-8L-30K7- 5M-UL-xx-xx-xx		0.900	5575	38	76	7
17	GWYS-A-6L-30K7-2M-Ux-xx-xx-xx CONFIGURED FROM GWYS-A-8L-30K7- 2M-UL-xx-xx-xx	L1	0.900	5400	47	799	7
7	EWAS01_D3AW730	WP	0.900	9900	77	539	6.1
18	K729-P4FL-II-15(SSL)-7030	L2	0.900	2079	15.7	282.6	6.4
3	K723-D4FI-TIT-100 (SSI) -7030	тЗ	0 900	9608	94 4	283 2	Ω 1

Calculation Summary	Calculation Summary						
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
Existing Roadway_1 - NORTH	Illuminance	Lux	7.75	24.6	1.8	4.31	13.67
Existing Roadway_2 - EAST	Illuminance	Lux	7.55	22.1	1.4	5.39	15.79
Existing Roadway_3 - SOUTH	Illuminance	Lux	7.92	23.3	1.4	5.66	16.64
Pathway Lighting	Illuminance	Lux	7.08	41	1	7.08	41.00

ANSI / IES RP-8-22

Table 11-1: Lighting Design Criteria for Streets
Functional Classification: Local
Pedestrian Conflict Area: Low
Average Maintained Illuminance: 0.3 x 15 = 4.5 Lux
Uniformity Ratio Max. (Avg / Min): 6.0
Uniformity Ratio Max. (Max / Min): 10.0

DESIGN CRITERIA

ANSI / IES RP-43-22

Table A-3: Recommended Illuminance Criteria for People in Outdoor Environments Functional Classification: LZ2

Average Maintained Illuminance: Lower Limit 4 Lux Upper Limit 8 Lux Uniformity Ratio Max. (Avg / Min): Lower Limit 10:1 Lux Upper Limit 10:1 Lux



CALCULATION SUMMARY

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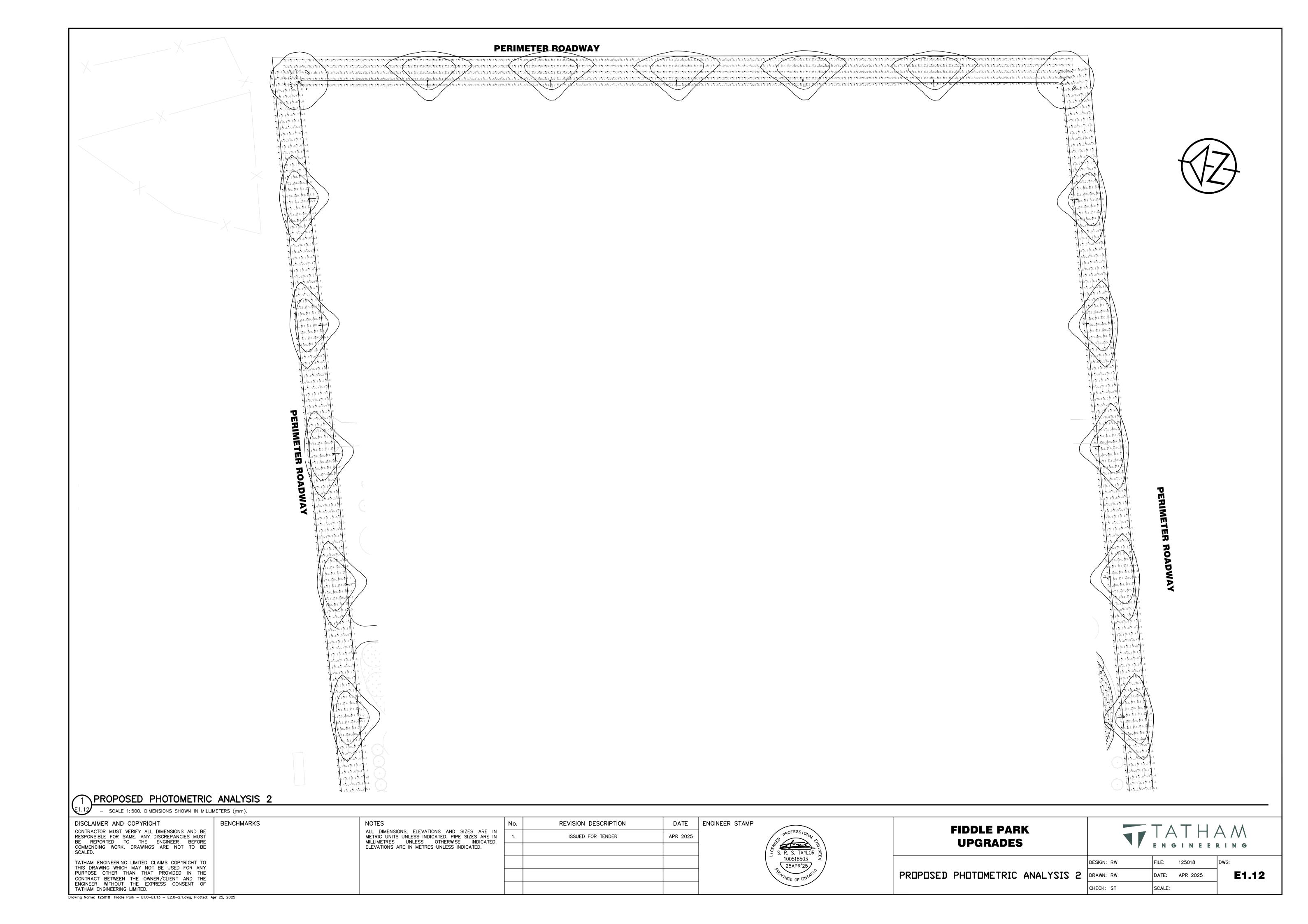


FIDDLE PARK UPGRADES



PROPOSED PHOTOMETRIC ANALYSIS 1

DESIGN: RW	FILE:	125018	DWG:
DRAWN: RW	DATE:	APR 2025	E1.11
CHECK: ST	SCALE:		



SHEET INDEX						
SHEET NO.	SHEET TITLE	DRAWING NO.				
1	SHEET INDEX, ABBREVIATIONS & GENERAL NOTES	S0.1				
2	DEMOLITION FLOOR PLAN	S2.1				
3	PROPOSED FOUNDATION PLAN	S2.2				
4	PROPOSED LAYOUT & SECTION	\$2.3				
5	DETAILS & SECTION	S5.1				

TOP AND BOTTOM

UNLESS OTHERWISE NOTED

TOP OF

TYPICAL

VERTICAL

WFIGHT

WITH

WORKING POINT

WELDED WIRE MESH

ABBREVIATIONS		T&B
1.0	Walled Dal T	T.P.
AB	ANCHOR BOLT	TYP
ARCH	ARCHITECTURAL	U.P.N.
@	AT_ON CENTRE	VERT
BLDG	BUILDING	WP
BM B.O.	BEAM BOTTOM OF	WT
BRG	BEARING	WWM
BTWN	BETWEEN	W/
CL, Q	CENTRE LINE	
CLG CLG		
COL	CEILING COLUMN	
CONC	CONCRETE	
CONN	CONNECTION	
CONT	CONTINUOUS	
DBL	DOUBLE	
DET	DETAIL	
DIA	DIAMETER	
DIAG	DIAGONAL	
DIM(S)	DIMENSION(S)	
DWG	DRAWING	
(E)	EXISTING	
EA	EACH	
EF	EACH FACE	
EMBED	EMBEDMENT	
EQUIP	EQUIPMENT	
EW	EACH WAY	
EXP	EXPANSION	
EXT	EXTERIOR	
FDN	FOUNDATION	
F.P.	FINISHED FLOOR	
FLR	FLOOR	
F.O.	FACE OF	
FS	FAR SIDE	
GA, ga	GAUGE	
GALV	GALVANIZED	
GR	GRADE	
GYP BD	GYPSUM BOARD	
HDG	HOT-DIPPED GALVANIZED	
HORIZ	HORIZONTAL	
INFO	INFORMATION	
INSUL	INSULATION	
INT	INTERIOR	
MAX	MAXIMUM	
MECH	MECHANICAL	
MFR	MANUFACTURER	
MIN	MINIMUM	
(N)	NEW OR PROPOSED	
NA	NOT APPLICABLE	
NO, #	NUMBER	
NS	NEAR SIDE	
NTS	NOT TO SCALE	
0/	OVER	
OC	ON CENTRE	
OH	OPPOSITE HAND	
OPNG	OPENING	
PDF	POWER-DRIVEN FASTENER	
PT	PRESSURE TREATED	
REINF	REINFORCING	
REQ'D	REQUIRED	
RET	RETAINING	
RO	ROUGH OPENING	
S.A.D.	SEE ARCHITECTURAL DRAWINGS	
SCHED	SCHEDULE	
SHTG	SHEATHING	
SIM	SIMILAR	
S.O.G.	SLAB ON GRADE	
SPEC	SPECIFICATIONS	
22	COLLADE	
SQ	SQUARE	
SQ SS STD	SQUARE STAINLESS STEEL STANDARD	

GENERAL NOTES

- DESIGN AND CONSTRUCTION OF THIS PROJECT SHALL COMPLY WITH THE ONTARIO BUILDING CODE,
 EPOXY FOR DOWEL REINFORCING AND ANCHOR RODS: LATEST EDITION AND NATIONAL BUILDING CODE LATEST EDITION.
- CONTRACTOR SHALL CHECK ALL DIMENSIONS ON WORKING DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. ANY CHANGES, ALTERATIONS OR REVISIONS MUST BE REPORTED TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK. DRAWINGS SHALL NOT BE SCALED.
- THESE DESIGN DOCUMENTS ARE PREPARED SOLELY FOR THE USE BY THE PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS ENTERED INTO A CONTRACT AND THERE ARE NO REPRESENTATIONS OF ANY KIND MADE BY THE DESIGN PROFESSIONAL TO ANY PARTY WITH WHOM THE DESIGN PROFESSIONAL HAS NOT ENTERED INTO A CONTRACT.
- UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS, NO PROVISION HAS BEEN MADE IN THE DESIGN FOR CONDITIONS OCCURRING DURING THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY BRACING AND SHORING REQUIRED FOR THE STRESSES AND INSTABILITY OCCURRING FROM ALL SUCH MEASURES. IT SHALL ALSO BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE ALL NECESSARY BRACING, SHORING, SHEET, PILING OR STRUCTURES AFFECTED BY THIS WORK.
- DESIGN LIVE LOADS SHALL NOT BE EXCEEDED DURING CONSTRUCTION.
- ALL WORK IS TO BE PERFORMED IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS - 0.REG.213/91.
- THESE DRAWINGS SHALL BE COORDINATED AND READ IN CONJUNCTION WITH MECHANICAL AND ELECTRICAL DRAWINGS.
- WHERE THERE IS A CONFLICT IN THE SPECS AND/OR DRAWINGS THE MORE STRINGENT SHALL APPLY UNLESS APPROVED OTHERWISE IN WRITING BY THE ENGINEER.
- FOR SIZE AND LOCATIONS OF MECHANICAL AND ELECTRICAL EQUIPMENT AND OPENINGS, EQUIPMENT BASES, SUMP PIT AND TRENCHES NOT INDICATED IN STRUCTURAL DRAWINGS, REFER TO MECHANICAL AND ELECTRICAL DRAWINGS. VERIFY ALL DIMENSIONS WITH ELECTRICAL AND MECHANICAL CONTRACTORS.
- ALL SPECIFICATIONS LISTED ARE TO LATEST EDITIONS IN FORCE AT TIME OF TENDERING.
- CONTRACTOR IS RESPONSIBLE TO LOCATE UNDERGROUND UTILITIES AND IS LIABLE TO ANY UTILITY DAMAGE

SOILS & FOUNDATIONS

- FOUNDATION DESIGN OF THIS PROJECT SHALL COMPLY WITH THE ONTARIO BUILDING CODE, LATEST EDITION AND NATIONAL BUILDING CODE LATEST EDITION AND OPSD STANDARD.
- ALL TESTING AND INSPECTION (COMPACTION, BEARING CAPACITY, ETC.) AS PER THE REQUIREMENTS OF THE GEOTECHNICAL ENGINEER.
- REMOVE ALL TOPSOIL, ORGANIC AND LOOSE FILL MATERIAL FROM BUILDING AREA BEFORE STARTING CONSTRUCTION
- PROOF ROLL EXISTING FILL MATERIAL. REMOVE ANY LOOSE OR SOFTENED AREAS BENEATH SLAB ON MUD SLAB GRADE BEFORE PLACING GRANULAR FILL.
- ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR COMPACTED FILL WITH A MINIMUM SOIL BEARING CAPACITY OF:
 - U.L.S. = 150 kPa
- TO BE CONFIRMED BY GEOTECHNICAL ENGINEER PRIOR TO POURING FOOTINGS.
- APPROVED GRANULAR FILL UNDER FOOTINGS AND FLOOR SLABS SHALL BE COMPACTED IN 6" (150MM) LAYERS TO 100% STANDARD PROCTOR MAXIMUM DRY DENSITY.
- IN AN EVENT OF SATURATED GROUND OR DEWATERING CANNOT KEEP UP WITH STABILIZING THE GROUND. CONTRACTOR SHALL PROVIDE MINIMUM 12" OF CLEAR STONE WRAP IN APPROVED GEOTEXTILE MATERIAL TO STABILIZE GROUND BEFORE COMPACTION OF APPROVED GRANULAR FILL.
- SOIL CONDITIONS, REINFORCING STEEL AND FORMWORK SHALL BE INSPECTED BY THE ENGINEER BEFORE POURING CONCRETE. CONTRACTOR SHALL GIVE ENGINEER A MINIMUM OF 24 HOURS' NOTICE SLAB ON GRADE (INTERIOR) TO CARRY OUT INSPECTION.
- THE LINE OF SLOPE BETWEEN ADJACENT FOOTING OR EXCAVATIONS SHALL NOT EXCEED A RISE OF 7 IN A RUN OF 10 UNLESS APPROVED BY THE GEOTECHNICAL ENGINEER.
- DO NOT BACKFILL AGAINST FOUNDATION WALLS UNTIL SUPPORTING SLABS HAVE BEEN POURED, UNLESS BRACING DETAILS ARE SUBMITTED. WHERE POSSIBLE BACKFILL BOTH SIDES OF WALLS

SHOP DRAWINGS AND SUBMITTALS

- SHOP DRAWINGS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER OF ONTARIO. THE ERECTION DRAWINGS SHALL BE DRAWN USING THE MINIMUM SCALE THAT WAS USED FOR THE TENDER DRAWINGS. DETAILS MUST BE OF A SCALE THAT IS LEGIBLE.
- SEPIAS OR REPRODUCTION OF THE STRUCTURAL DRAWINGS SHALL NOT BE ACCEPTED AS SHOP DRAWINGS.
- REVIEW OF THE DRAWINGS APPLIES TO GENERAL ARRANGEMENT ONLY FOR THE PURPOSE OF ASCERTAINING CONFORMANCE WITH THE GENERAL DESIGN CONCEPT. THIS REVIEW DOES NOT IMPLY APPROVAL OF DETAIL DESIGN OR QUANTITIES IN SUBMITTED DRAWINGS. NOR DOES IT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR MAKING THE WORK COMPLETE, ACCURATE AND IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS. ALLOW 10 WORKING DAYS FOR SHOP DRAWING REVIEW.
- DO NOT FABRICATE MATERIALS BASED ON REJECTED OR DISAPPROVED SHOP DRAWINGS.
- SHOP DRAWING SUBMITTALS SHALL ALSO INCLUDE CLADDING CONNECTION DETAILS, PRECAST AND STEEL STAIR DETAILS, EXTERIOR GRATING DETAILS AND SAFETY GUARDS, WHICH SHALL BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH CURRENT ONTARIO BUILDING CODE.
- SNOW SHADOW AND VALLEY LOAD SHALL BE CLEARLY SHOWN IN SHOP DRAWINGS.

APPROVAL OF CONCRETE

- TESTING AS REQUIRED AND SPECIFIED BY THE ENGINEER TO DETERMINE THE IN-SITU STRENGTH OF CONCRETE WHICH FAILS TO MEET THE SPECIFIED REQUIREMENTS OR WHICH, DUE TO APPEARANCE, DAMAGE OR DEFECTS MAY BE DEEMED AS REJECTABLE. CORES SHALL BE ACQUIRED AND TESTED BY OPENING AND SLEEVES IN CONCRETE A DESIGNATED TESTING AGENCY, BUT ANY REPAIRS NECESSARY TO THE STRUCTURE AS A RESULT OF THESE TESTS SHALL BE PERFORMED AT NO COST TO THE OWNER.
- SUBMIT FOR REVIEW ALL PROPOSED CONCRETE MIX DESIGNS, AT LEAST 15 WORKING DAYS PRIOR TO START OF WORK.
- SUBMIT FOR REVIEW DRAWINGS OF ALL PROPOSED CONSTRUCTION JOINT LOCATIONS & LAYOUT DRAWINGS OF CONCRETE ISOLATED & HOUSEKEEPING PADS.
- REGULARLY SUBMIT REPORTS OF ALL CONCRETE TESTING AS SOON AS POSSIBLE AFTER TESTING IS PERFORMED.

RECORD DRAWINGS

 GENERAL CONTRACTOR SHALL MAINTAIN TWO (2) SETS OF RECORD DRAWINGS WHICH SHOW AS-BUILT DETAILS OF ALL ASPECTS OF THE STRUCTURE FOR REVIEW DURING CONSTRUCTION AND FOR SUBMISSION AT THE END OF THE PROJECT.

CONCRETE

HILTI HY-200 OR APPROVED EQUIVALENT

- CONCRETE MATERIALS AND WORKMANSHIP SHALL CONFORM TO CSA A23.1 AND CSA A23.2.
- CONCRETE DESIGN AND CONSTRUCTION SHALL CONFIRM TO CSA A23.3.

COMPRESSIVE STRENGTH SHALL BE 50 MPa AT 28 DAYS.

- FORMWORK SHALL CONFORM TO THE CSA A23.1 AND FALSE WORK SHALL CONFORM TO CSA S269.1.
- NON-SHRINK GROUT SHALL BE AN APPROVED PREMIXED PROPRIETARY PRODUCT.
- DRY-PACKED GROUT SHALL BE 1 PART PORTLAND CEMENT TO 1.5 PARTS OF SAND TO 2 PARTS OF 9 MM (3/8") PEA GRAVEL WITH ONLY SUFFICIENT WATER TO DAMPEN THE MIXTURE.
- EXISTING CONCRETE SHOULD BE MOISTENED THOROUGHLY BEFORE PLACEMENT OF FRESH CONCRETE, BUT POOLS OF WATER SHOULD NOT BE LEFT STANDING ON THE WETTED SURFACE AT THE TIME OF PLACEMENT.

CONCRETE MIX

- FOOTINGS & PEDESTALS:
- 1. CSA EXPOSURE CLASS: N.
- 2. 28 DAY COMPRESSIVE STRENGTH OF 25 MPa.
- CSA EXPOSURE CLASS: C−2.
- 2. WITHIN 56 DAY COMPRESSIVE STRENGTH OF 32 MPa.
- ALL CONCRETE FORMS TO BE WET THOROUGHLY BEFORE POURING CONCRETE.
- DO NOT ADD WATER TO CONCRETE ON SITE UNLESS WRITTEN APPROVAL GIVEN BY THE ENGINEER, IF HIGHER SLUMP CONCRETE IS DESIRED, CONCRETE SUPPLIER SHALL DESIGN AND SUPPLY ACCORDINGLY. MIX MUST BE SUBMITTED AND APPROVED BY DESIGN ENGINEER PRIOR TO
- WATER CURING OF CONCRETE SLAB ON GRADE IS REQUIRED, MIN. 7 DAYS.
- FLOOR FINISHES SHALL CONFORM TO CSA A23.1 CLASS A FINISH UNLESS NOTED OTHERWISE.
- ALL HONEYCOMBING SHALL BE CUT OUT AND FILLED TO THE SATISFACTION OF THE ENGINEER BY SIKA OR EQUIVALENT SHOP DRAWING.
- APPLY A HARDENER AS SPECIFIED TO ALL CONCRETE FLOOR SLABS THAT ARE TO REMAIN EXPOSED AS NOTED. APPLY CURING/SEALING COMPOUND, CONFORMING TO ASTM C309, AS SPECIFIED TO ALL FLOOR SLABS UNLESS A TOPPING IS TO BE APPLIED.

- USE MUD SLAB WITH MINIMUM STRENGTH f'C = 8MPa AT UNDER SIDE OF ALL FOUNDATIONS WHEN NECESSARY.
- MINIMUM THICKNESS OF MUD SLAB TO BE 150mm UNLESS OTHERWISE SPECIFIED IN DRAWINGS.

GROUT

- NON-SHRINK GROUT SHALL BE AN APPROVED PREMIXED PROPRIETARY PRODUCT.
- DRY-PACKED GROUT SHALL HAVE A COMPRESSIVE STRENGTH SHALL BE 50 MPa AT 28 DAYS.

- SLAB ON GRADE TO BE PLACED ON COMPACT GRANULAR MATERIAL AS PER DRAWING. COMPACTION WOOD DESIGN AND CONSTRUCTION SHALL CONFIRM TO CSA 086. TESTS ON FILL MATERIAL TO BE CARRIED OUT PRIOR TO SLAB ON GRADE PLACEMENT.
- MAINTAIN MINIMUM SPECIFIED THICKNESS AT ALL DEPRESSION AND CHANGES IN ELEVATIONS.

REINFORCING STEEL

- REINFORCEMENT STEEL DETAILING TO BE IN ACCORDING WITH RSIO MANUAL OF STANDARD PRACTICE AND WITH THE LATEST EDITION OF CSA A23.1.
- REINFORCEMENT SHALL BE DEFORMED BARS AND CONFORM TO CAN/CSA G30.18, GRADE 400 MPa.
- REINFORCING STEEL SHALL BE DETAILED, BENT, PLACED AND SUPPORTED TO CONFORM TO ACI STANDARDS 315 AND THE MANUAL OF STANDARD PRACTICE PUBLISHED BY THE REINFORCING STEEL INSTITUTE OF ONTARIO.
- WELDING OF REINFORCING STEEL SHALL NOT BE PERMITTED.
- ALL REINFORCING STEEL FABRICATION AND PLACEMENT DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW BEFORE FABRICATION.
- CONCRETE COVER FOR REINFORCEMENT SHALL CONFORM TO CSA A23.1 AS FOLLOWS, UNLESS OTHERWISE NOTED.
- CAST AGAINST EARTH: 75 MM (3") BEAMS, GIRDERS, COLUMNS, SLABS AND WALLS: 40 MM (1%")
- LAP TEMPERATURE REINFORCEMENT (CLASS 'B" LAP) BUT NOT LESS THAN 300 MM. STAGGER LAPS OR LAP AT SUPPORTS.
- PROVIDE CHAIRS, SPACER BARS, SUPPORT BARS AND OTHER ACCESSORIES TO SUPPORT REINFORCING IN ACCORDANCE WITH THE LATEST EDITIONS OF CSA A23.1 AND A23.3. CHAIRS TO BE PLASTIC, PLASTIC TIPPED OR CONCRETE. ALL TIE WIRE, CHAIRS AND BAR SUPPORTS USED FOR COATED REINFORCING SHALL BE NON-METALLIC OR PROTECTED WITH AN ACCEPTABLE COATING.
- CHAIRS SHALL BE SPACED AT 1200MM O.C. MAXIMUM. PROVIDE CONTINUOUS CHAIRS WHERE POSSIBLE.

- REFER TO MECHANICAL AND ELECTRICAL DRAWINGS AND SHOP DRAWINGS OF ALL TRADES FOR EXACT LOCATIONS AND EXTENT OF OPENINGS AND SLEEVES REQUIRED BUT NOT SHOWN ON STRUCTURAL DRAWINGS.
 - OBTAIN THE APPROVAL OF THE STRUCTURAL ENGINEER FOR OPENINGS REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS. DO NOT CORE DRILL, SAWCUT OR OTHERWISE PRODUCE OPENINGS OF ANY SIZE, IN ANY STRUCTURAL MEMBER WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER.
 - ALL REQUIRED OPENING SHALL BE SLEEVED OR FORMED PRIOR TO PLACING CONCRETE. CORING OR SAW CUTTING FOR OPENINGS AFTER CASTING SHALL NOT BE PERMITTED AS AN ALTERNATIVE METHOD OF PROVIDING OPENINGS. ALL DRAINS SHALL BE SET PRIOR TO CONCRETE PLACING.
- INSTALL STANDARD ADJUSTABLE INSERT AND ALL OTHER CAST-IN INSERT AS REQUIRED BY THE STRUCTURAL, MECHANICAL AND ELECTRICAL DRAWINGS AND SPECIFICATIONS.
- PROVIDE SLEEVES IN WALLS FOR MECHANICAL PIPING.
- INSERTS, FRAME-OUTS, SLEEVES, BRACKETS, CONDUITS AND FASTENING DEVICES SHALL BE INSTALLED AS REQUIRED BY THE DRAWINGS AND SPECIFICATIONS IN A MANNER THAT SHALL NOT IMPAIR THE STRUCTURAL STRENGTH OF THE SYSTEM, BE SO INSTALLED THEY SHALL NOT REQUIRE THE CUTTING, BENDING OR DISPLACEMENT OF THE REINFORCING OTHER THAN AS SHOWN ON THE TYPICAL DETAILS.

- ELECTRICAL CONDUIT SHALL NOT PASS THROUGH A COLUMN, SHALL NOT BE LARGER THAN ONE-THIRD THE SLAB THICKNESS OR GRADE BEAM IN WHICH IT IS EMBEDDED, SHALL NOT BE SPACED CLOSER THAN THREE DIAMETERS ON CENTRE UNLESS APPROVED AND HAVE A MINIMUM CONCRETE COVER OF 25 MM (1") AND UNLESS SPECIFICALLY PERMITTED OTHERWISE, SHALL NOT RUN HORIZONTALLY IN A FOUNDATION WALL.
- PROVIDE OPENINGS OR DEPRESSIONS IN SLABS AS REQUIRED BY OTHER TRADES.
- OPENINGS AND DRIVEN FASTENERS REQUIRED IN THE CONCRETE AFTER THE CONCRETE IS PLACED IT. SHALL BE APPROVED BY THE ENGINEER BEFORE PROCEEDING.
- FOR OPENINGS GREATER THAN 400MM X 400MM REINFORCE AROUND THE OPENING IN ACCORDANCE WITH THE TYPICAL DETAILS UNLESS NOTED ON THE PLAN.

MISCELLANEOUS CONCRETE

CONCRETE PADS

 PROVIDE CAST IN PLACE EQUIPMENT BASES FOR MECHANICAL AND ELECTRICAL HARDWARE CONTRACTOR TO COORDINATE EXTENT, LOCATION, AND DIMENSIONS FROM MECHANICAL/ELECTRICAL SHOP DRAWINGS. SUBMIT LAYOUT DRAWING TO CONSULTANTS FOR REVIEW.

CONCRETE CURBS

PROVIDE CONCRETE CURBING AS SHOWN ON THE STRUCTURAL DRAWINGS.

CHAMFERS AND REGLETS

• PROVIDE CHAMFERS, REGLETS, REVETS, REVEALS, RECESSES AND THE LIKE AS SHOWN ON THE STRUCTURAL DRAWINGS.

- STEEL DESIGN AND CONSTRUCTION SHALL CONFIRM TO CSA S16.
- ALL STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING:
 - 1. WIDE FLANGE SHAPE (W): ASTM A992 OR ASTM A572 GRADE 50
- 2. HSS SQUARE, RECTANGULAR SHAPE: CAN/CSA G40.21 350W CLASS C
- 3. HSS ROUND: ASTM 500 GRADE C
- 4. C, L, 2L SHAPE: CAN/CSA G40.21 350W
- 5. PLATE: CAN/CSA G40.21 300W
- STEEL BOLTS TO CONFORM TO THE FOLLOWING:
- 1. HIGH STRENGTH BOLTS: ASTM F3125 GRADE A325/A325M 2. COMMON BOLTS: ASTM A307
- 3. ANCHOR RODS: ASTM F1554, GRADE 36
- POST-INSTALLED ANCHOR RODS TO BE MINIMUM %" DIA. SIMPSON WEDGE-ALL ANCHORS OR EQUIVALENT, UNLESS OTHERWISE NOTED.
- ALL STRUCTURAL STEEL MEMBERS SHALL BE HOT-DIPPED GALVANIZED IN ACCORDANCE WITH CSA G164 OR SHOP PRIMED AND PAINTED FOR PROTECTION FOR CORROSIVE ENVIRONMENT OR WEATHER, UNLESS OTHERWISE NOTED.

ROUGH CARPENTRY (WOOD

- TIMBER SUPPLIER IS RESPONSIBLE FOR CUTTING AND FRAMING OF EACH TIMBER PIECE IN SHOP DRAWINGS. SHOP DRAWINGS SHALL BE REVIEWED AND APPROVED BY CONSULTANTS BEFORE PRODUCTION.
- MOISTURE CONTENT SHALL BE "DRY" FOR VERTICAL FRAMING (19% MAXIMUM). FINISHES SHALL NO BE INSTALLED OVER DIMENSIONAL LUMBER FRAMING UNTIL MOISTURE CONTENT IS BELOW 12%
- SILLS OR PLATES SHALL BE BOLTED TO CONCRETE WITH MINIMUM 15mm (5%") DIAMETER BOLTS WITH 75mmX75mmX6mm (3"X3"X¼") WASHERS & NUTS, EMBEDDED MINIMUM 180mm (7") AT 1200mm MAXIMUM ON CENTRE, UNLESS OTHERWISE NOTED.
- FRAMING MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH CONCRETE, BUT NO IN CONTACT WITH THE GROUND, SHALL BE PRESSURE TREATED IN ACCORDANCE WITH CSA 080.1, USE CATEGORY UC2 AND UC3 . FIELD CUTS AND HOLES SHALL BE FIELD TREATED IN ACCORDANCE WITH CSA
- I-JOISTS AND LVL BEAMS SHALL BE MANUFACTURED BY WEYERHAEUSER OR EQUIVALENT. SUPPLIER IS RESPONSIBLE FOR THE DESIGN OF ALL CONNECTIONS.
- METAL HANGERS AND CONNECTIONS SHALL BE SIMPSON STRONG—TIE OR EQUIVALENT.
- DIMENSIONAL LUMBER AND TIMBER SHALL CONFORM TO NLGA STANDARD GRADING RULES FOR CANADIAN LUMBER AND SHALL BE SPRUCE-PINE-FIR (SPF) NO.2, UNLESS OTHERWISE NOTED. • FASTENERS FOR INTERIOR APPLICATIONS PENETRATING PRESSURE—TREATED LUMBER SHALL BE
- APPLICATIONS OF PRESSURE-TREATED LUMBER, SHALL USE STAINLESS STEEL FASTENERS. WOOD MEMBERS THAT ARE NOT PRESSURE TREATED AND ARE IN CONTACT WITH CONCRETE THAT IS LESS THAN 150mm (6") ABOVE GROUND OR SLAB, PROVIDE 6 mil POLYETHYLENE FILM OR No. 50

STAINLESS STEEL (TYPE 304 OR 316). FASTENERS EXPOSED TO WEATHER INCLUDING EXTERIOR

HOT-DIPPED GALVANIZED IN ACCORDANCE WITH MINIMUM G185 IN ACCORDANCE WITH ASTM A653 OR

ALL TIMBER CONNECTIONS SHALL BE DESIGNED BY TIMBER SUPPLIER.

(451b) ROLL ROOFING DAMPPROOFING BETWEEN WOOD AND CONCRETE.

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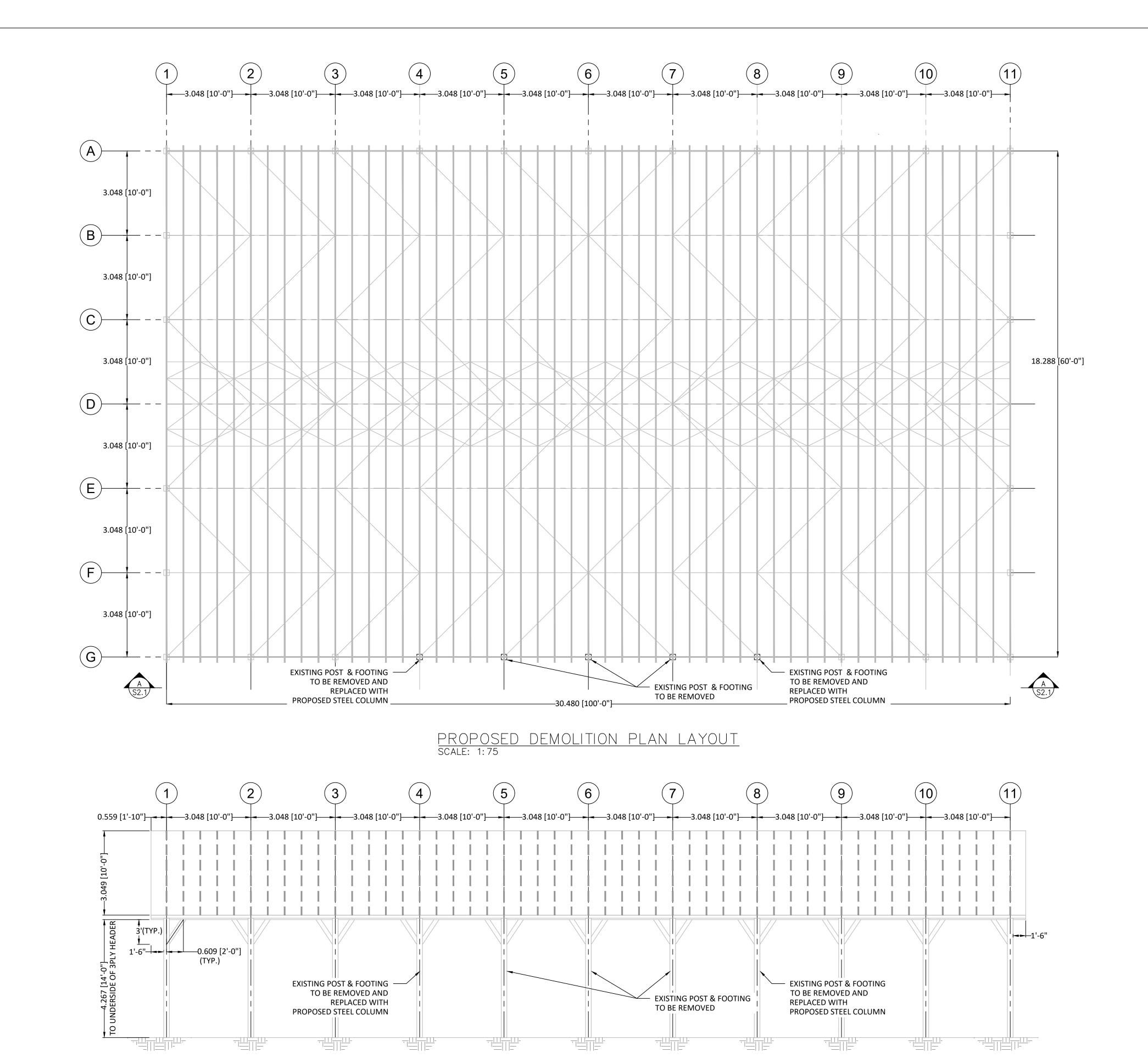
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DATE ISSUE/REVISION DATE ISSUE/REVISION 08-JAN-2025 ISSUED FOR REVIEW H. Y CHEN 07-MAY-2025 ISSUED FOR TENDER 100505383 7-MAY-2025

S. BURNETT & ASSOCIATES LIMITED TOWN OF SHELBURNE ENGINEERING AND ENVIRONMENTAL SERVICES CIATES LIMITED 210 BROADWAY, UNIT 203 ORANGEVILLE, ONTARIO L9W 5G4 INEERING & ENVIRONMENTAL TELEPHONE: 519-941-2949 FAX: 519-941-2036 FIDDLE PARK UPGRADES SHEET INDEX, ABBREVIATIONS & GENERAL NOTES M24017 N.T.S.

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H. Y CHEN	1.	08-JAN-2025	ISSUED FOR REVIEW				DB
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S. BURNETT & ASSOCIATES LIMITED

ENGINEERING & ENVIRONMENTAL

BIGNED BY
V.S.

S. BURNETT & ASSOCIATES LIMITED

ENGINEERING AND ENVIRONMENTAL SERVICES
210 BROADWAY, UNIT 203

ORANGEVILLE, ONTARIO L9W 5G4

TELEPHONE: 519-941-2949 FAX: 519-941-2036

VERIFIED BY
V.S.

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B.C.

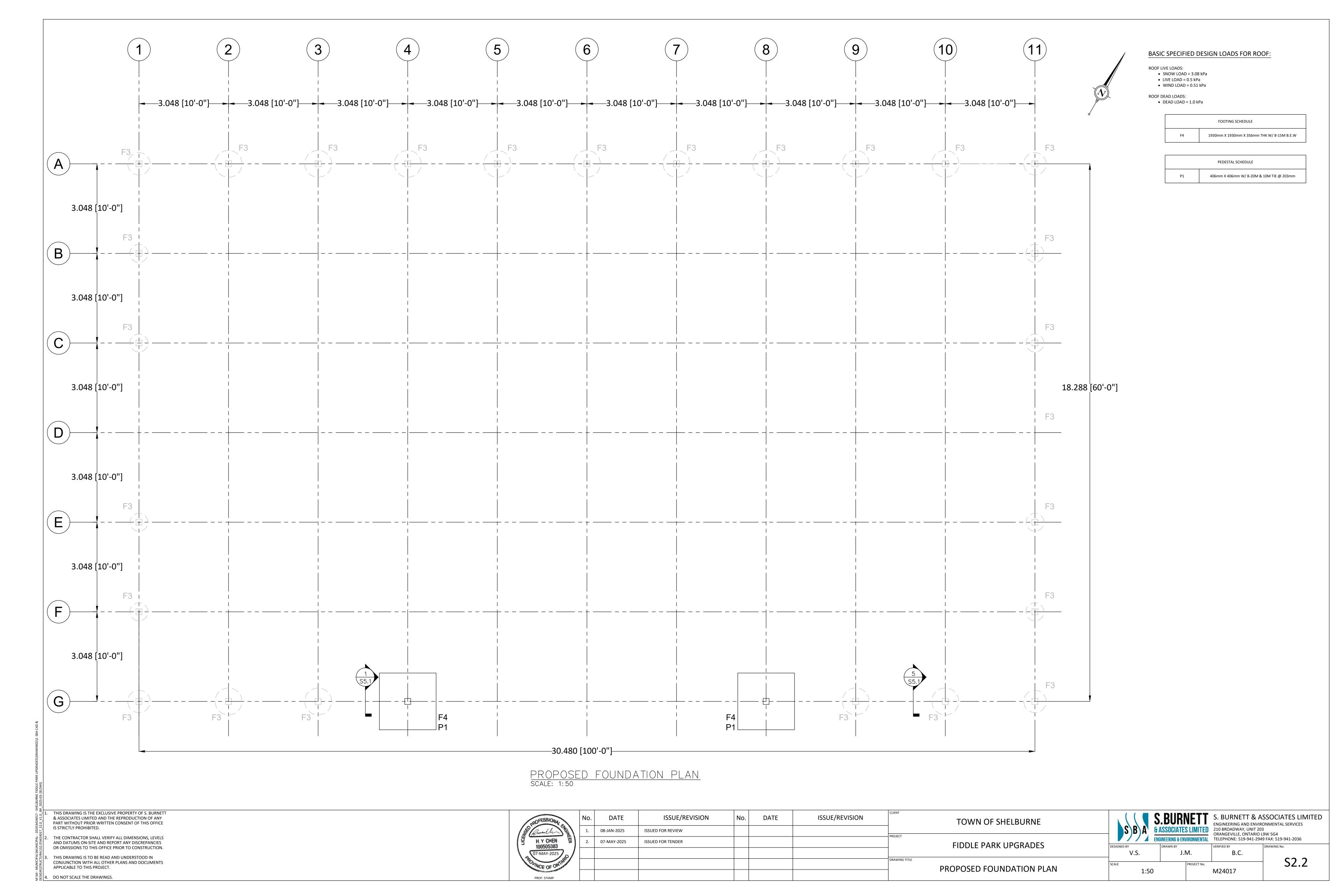
TOWN OF SHELBURNE

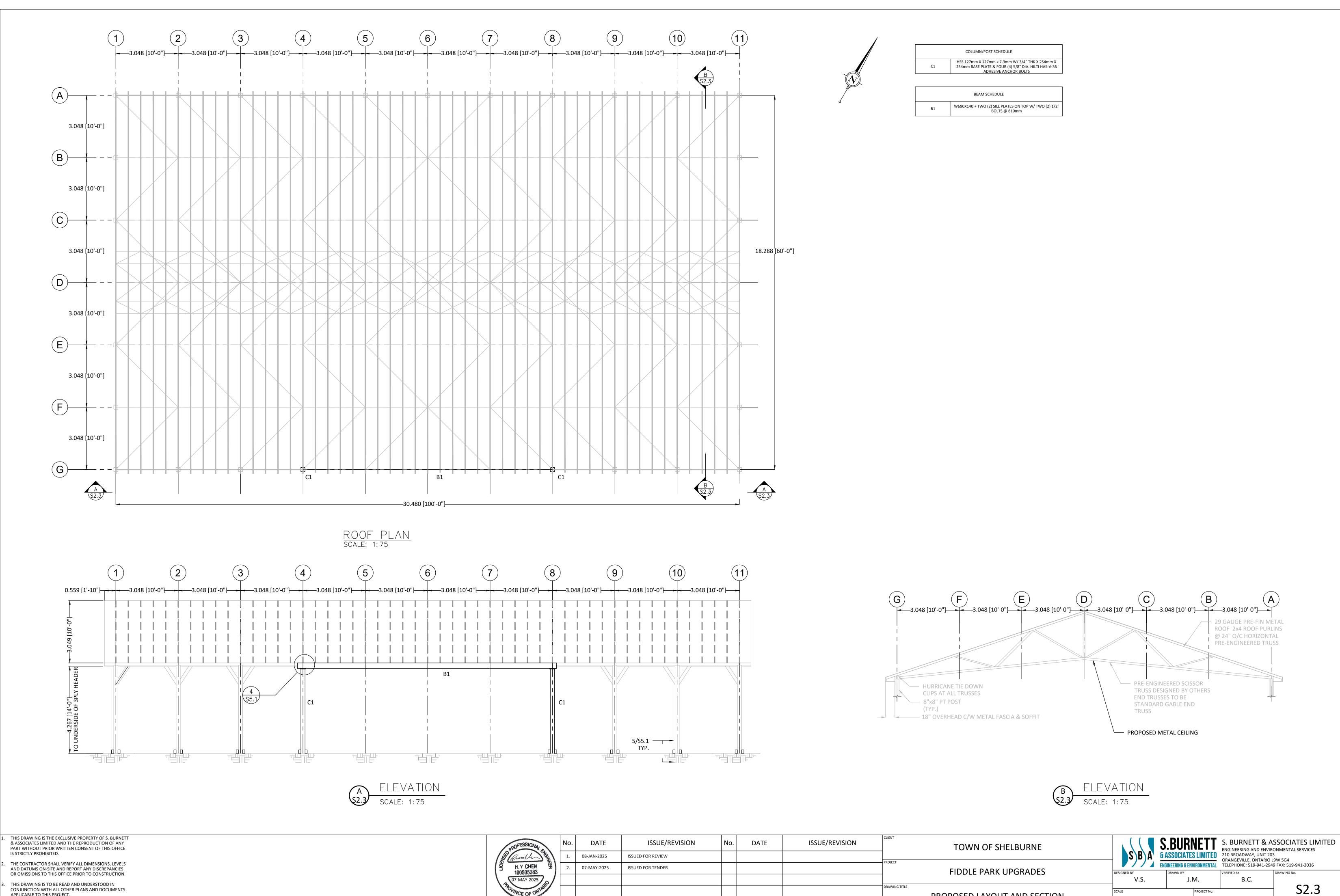
FIDDLE PARK UPGRADES

DEMOLITION FLOOR PLAN

V.S. J.M. VERIFIED BY B.C. DRAWING No.

AS SHOWN PROJECT No. M24017



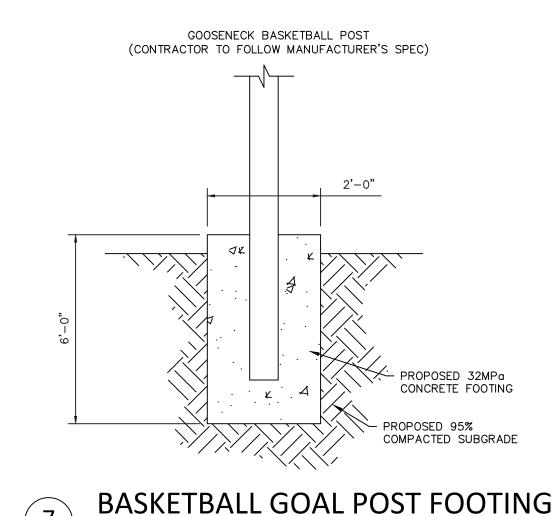


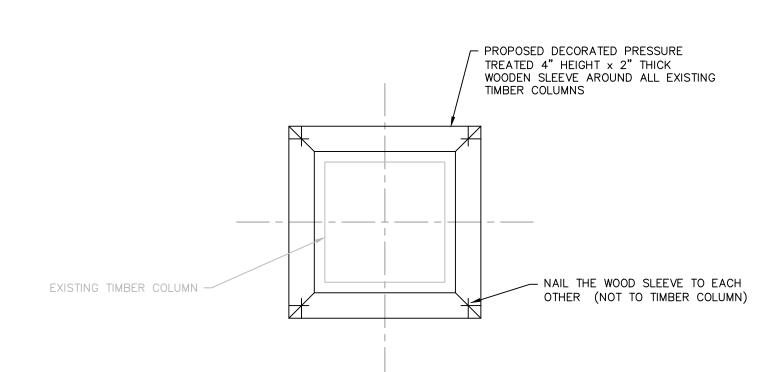
PROPOSED LAYOUT AND SECTION

AS SHOWN

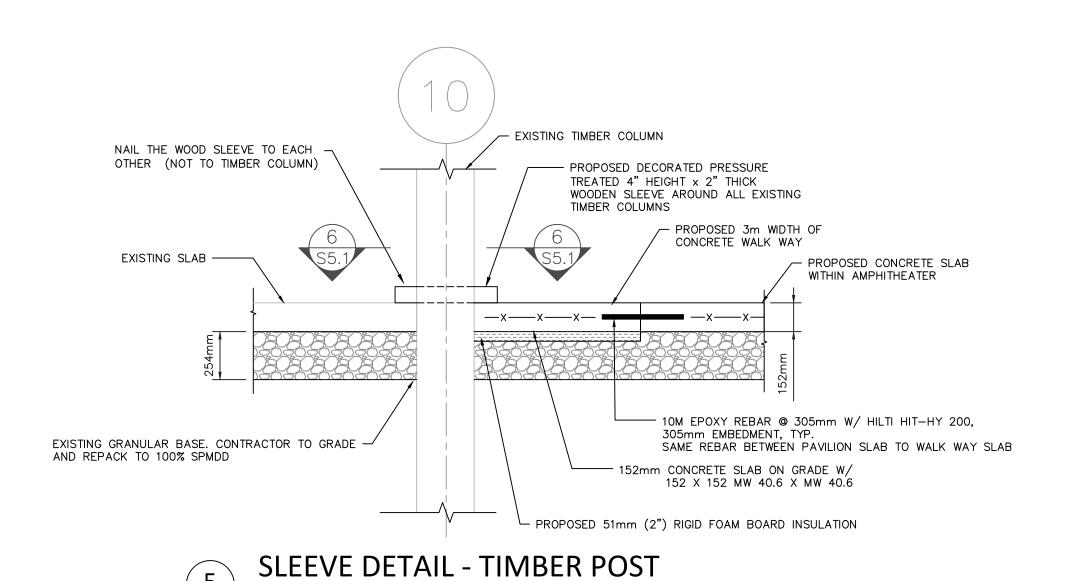
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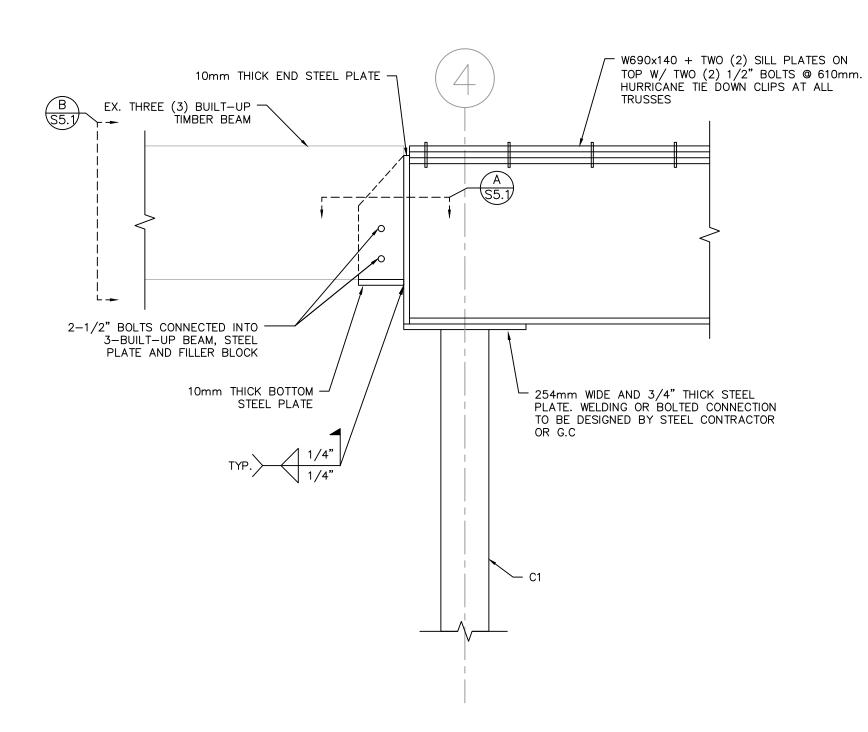


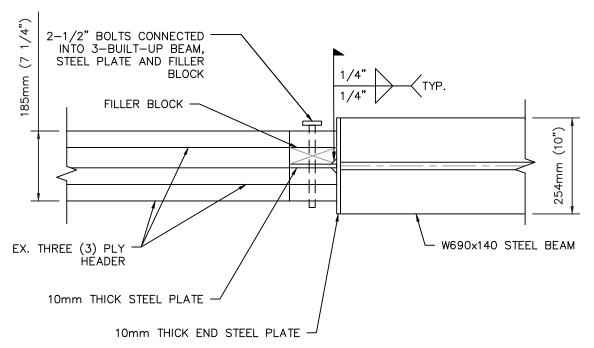


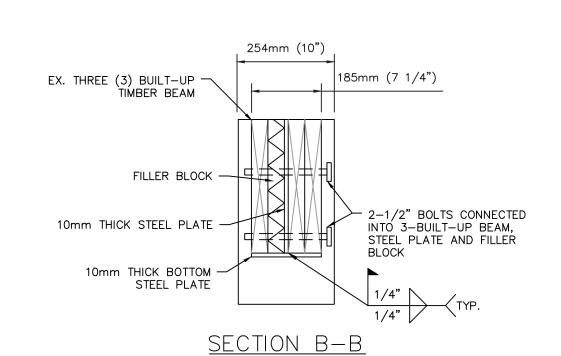
TYP. WOOD SLEEVE w/ NAILING Scale: NTS



Scale: 1:20

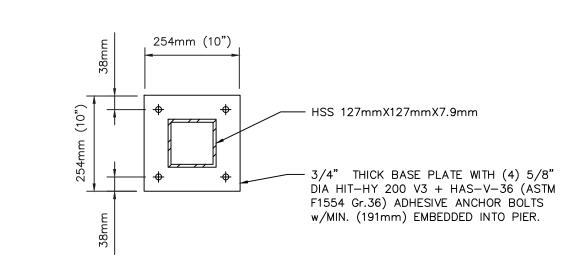




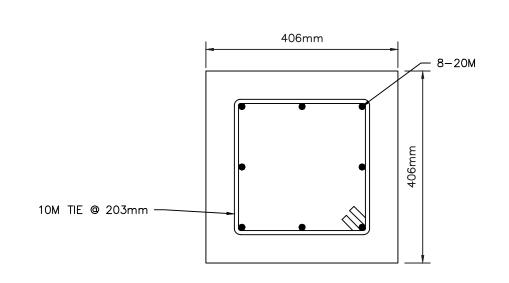


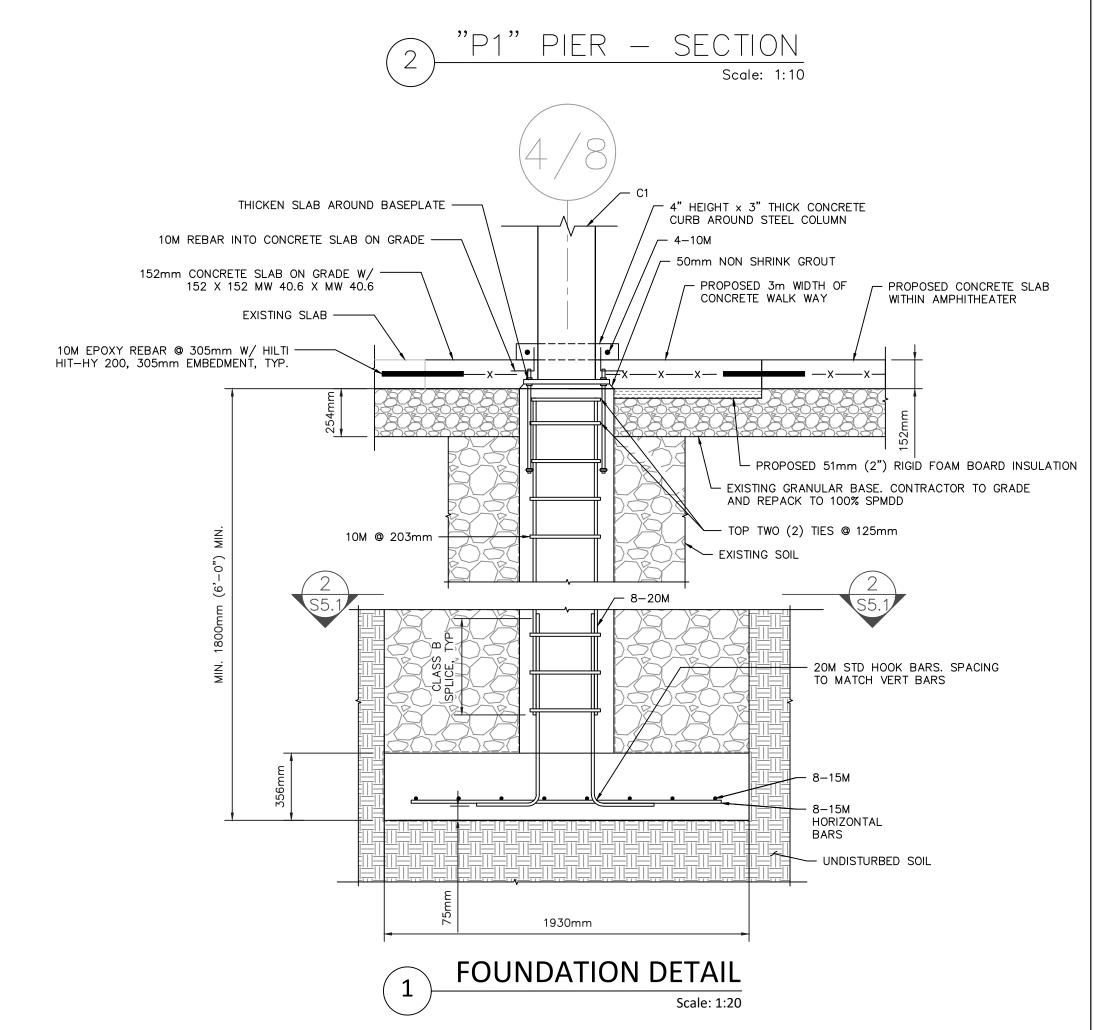
SECTION A-A

BEAM TO BEAM CONNECTION DETAILS Scale: NTS



TYP. BASE PLATE DETAIL Scale: 1:10





AS SHOWN

TOWN OF SHELBURNE

FIDDLE PARK UPGRADES

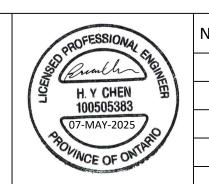
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