

GENERAL NOTES	
1.	SUBCONTRACTOR TO VERIFY ALL SERVICES AND LOCATIONS PRIOR TO WORK. NOTIFY ENGINEER OF ANY CONFLICTS BETWEEN CONTRACT DRAWINGS AND ACTUAL CONDITIONS.
2.	SUBCONTRACTOR SHALL PAY ALL FEES, PERMITS, LICENCES, ETC., NECESSARY FOR PROPER COMPLETION OF THE WORK.
3.	ALL GEOTHERMAL CONSTRUCTION IN ACCORDANCE WITH CAN/CSA-C448.1-13, AND IN COMPLIANCE WITH PROVINCIAL AND LOCAL CODES. THE SUBCONTRACTOR SHALL PERFORM WORK IN A SKILLED AND PROFESSIONAL MANNER, AND COORDINATE WORK WITH THE OTHER TRADES.
4.	SUBCONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT THE PUBLIC AND ADJACENT PROPERTIES FROM DAMAGE THROUGHOUT CONSTRUCTION.
5.	CONTRACTOR AND SUBCONTRACTOR SHALL GUARANTEE ALL WORKMANSHIP AND MATERIALS FOR A PERIOD OF TWO (2) YEARS FROM READY-FOR-TAKEOVER, OR AS OTHERWISE REQUIRED IN THE SPECIFICATIONS.
6.	CONTRACTOR AND SUBCONTRACTOR ARE RESPONSIBLE TO FIELD COORDINATE WORK SCHEDULE WITH OWNER'S REPRESENTATIVE.
7.	UPON PROJECT COMPLETION, RECORD (AS-BUILT) DRAWINGS SHALL BE PROVIDED BY THE SUBCONTRACTOR TO THE OWNER AND ENGINEER. ALL CHANGES IN PIPING ARRANGEMENTS SHALL BE NOTED ON THE RECORD DRAWINGS.
8.	ALL BOREHOLE PIPES ARE 38mm (1.5") Ø HDPE PE 4710 SDR 11.
9.	ALL HEADER CIRCUIT PIPING AND FITTINGS WITH 38mm (1.5") Ø PIPING TO BE HDPE PE 4710 SDR 11.
10.	ALL 50mm (2") Ø PIPING AND FITTINGS TO BE HDPE PE 4710 SDR 13.5.
11.	ALL GEOTHERMAL MANIFOLDS ARE 100mm (4") Ø HDPE PE 4710 SDR 11. ENSURE MINIMUM CLEARANCE OF 0.9m (3 ft) IN FRONT OF MANIFOLDS.
12.	ALL PIPE AND FITTINGS TO HAVE SAME RESIN MIXTURE FOR HDPE. ANY ALTERATIONS TO THE PIPE TYPE, DIAMETER, OR THICKNESS MUST BE APPROVED BY ENGINEER IN WRITING.
13.	ALL HDPE PIPING TO AVOID SHARP BENDS. MINIMUM BENDING RADIUS IS 25 TIMES THE OUTER DIAMETER FOR ANY PIPE CURVATURE.
14.	THE ACCEPTABLE METHODS FOR JOINING HDPE PIPE ARE SOCKET FUSION, BUTT-FUSION, OR ELECTRO-FUSION, AS PER MANUFACTURER'S INSTRUCTIONS. BUTT-FUSION IS ONLY RECOMMENDED FOR PIPING 50mm (2") AND LARGER.
15.	FUSIONS ARE TO BE PERFORMED BY ACCREDITED FUSION TECHNICIANS OR NATURAL GAS FITTERS.
16.	ALL BURIED HDPE ELECTRO-FUSION WELDS MUST BE RECORDED BY A DIGITAL WELDING MACHINE. WELDS TO BE LABELED ON THE FITTING AND RECORDS OF EACH WELD MAINTAINED IN THE OPERATION & MAINTENANCE (O&M) MANUAL. COPIES OF WELD REPORTS TO BE SUBMITTED TO OWNER'S REPRESENTATIVE AND ENGINEER-OF-RECORD FOR REVIEW.
17.	NO OPEN PIPE ENDS ARE TO BE LEFT UNATTENDED AT ANY TIME.
18.	NO PETROLEUM BASED PRODUCTS ARE TO BE IN CONTACT WITH HDPE PIPE.
19.	SAND MUST BE USED TO SURROUND THE PIPES WITHIN A 150mm (6") RADIUS.
20.	TRENCHES TO BE BACKFILLED USING EXCAVATED MATERIALS APPROVED BY GEOTECHNICAL. ENSURE MATERIALS ARE FREE OF ANY ROCKS [DEFINED AS COBBLES AND LARGER; MAXIMUM 75mm (3")] AND ABRASIVE MATERIAL.
21.	ALL BURIED HORIZONTAL PIPING TO HAVE TRACER WIRE FOR EASE OF LOCATION.
22.	A WARNING STRIP 38mm (1.5") WIDE, INDICATING "CAUTION: GEOTHERMAL PIPING" TO BE BURIED ~ 600mm (24") BELOW GRADE OVER ALL FLUID PIPES.
23.	MINIMUM DEPTH FOR GEOTHERMAL PIPING IS 1.8m (~6 FEET) TO TOP OF PIPE, EXCEPT WHERE NOTED.
24.	REFER TO SPECIFICATIONS FOR MINIMUM INSULATION REQUIREMENTS, WHEN DISTRIBUTION PIPING IS 1.5m (~5 FEET) OR LESS (INCLUDING DEPTH) FROM SITE SERVICES AND STRUCTURAL COMPONENTS.
25.	SUPPLY AND RETURN DISTRIBUTION PIPING TO BE SEPARATED BY 0.6m (~2 FEET) MINIMUM. RIGID INSULATION REQUIRED AS PER SPECIFICATIONS IF SEPARATION DISTANCE IS LESS THAN 0.6m (~2 FEET).
26.	PIPE TEES ARE TO AVOID FLOW ARRANGEMENTS WHERE 2 FLOW PATHS FROM OPPOSITE DIRECTIONS BANG TOGETHER INTO THE MIDDLE BRANCH CONNECTION, OR THE FLOW THROUGH THE MIDDLE BRANCH CONNECTION HAS TO FLOW IN TWO OPPOSITE (180 DEGREE) DIRECTIONS INSIDE THE TEE.
27.	NO FUSION JOINTS ARE TO OCCUR IN SLEEVES.
28.	COORDINATE WITH STRUCTURAL ALL SLEEVING LOCATIONS REQUIRED TO PASS THROUGH FOUNDATION WALLS. (STRUCTURAL TO PROVIDE SLEEVES).
29.	LINK-SEALS AT INLET AND OUTLET OF EACH SLEEVE PENETRATION AT FOUNDATION WALL PENETRATION INTO BUILDING.
30.	GEOTHERMAL SYSTEM FILLED WITH 25% PROPYLENE GLYCOL BY VOLUME. COORDINATE WITH MECHANICAL AS PROPYLENE GLYCOL MUST BE FROM THE SAME MANUFACTURER.
31.	BH-B1 IS THE TEST BOREHOLE LOCATION. THE DRILLING, U-LOOP PIPING, AND GROUT FOR THIS BOREHOLE IS NOT IN SCOPE. HOWEVER, CONNECTING BH-D2 AS PART OF THE GEOTHERMAL SYSTEM IS IN SCOPE.
32.	IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE PROJECT DRAWINGS, SPECIFICATIONS, AND ALL GOVERNMENT REGULATIONS PERTAINING TO WORK BEING DONE.

DESIGN CRITERIA	
1.	SYSTEM DESIGN PARAMETERS (FROM MECHANICAL CONSULTANT):
1.1.	PEAK COOLING LOAD: 58 kW (196 kBTU/hr)
1.2.	ANNUAL COOLING: 39.1 MWh (133.4 MBTU)
1.3.	PEAK HEATING LOAD: 31 kW (104 kBTU/hr)
1.4.	ANNUAL HEATING: 47.7 MWh (162.9 MBTU)
2.	SYSTEM DESIGN PARAMETERS WITH HYDRONIC EQUIPMENT CONSIDERED:
2.1.	PEAK COOLING LOAD WITH HYDRONIC (EMERGENCIES ONLY): 119.3 kW (407 kBTU/hr)
2.2.	NO FLUID COOLER REQUIRED WHEN EMERGENCY COOLING CONSIDERED.
2.3.	PEAK HEATING LOAD WITH HYDRONIC: 198.1 kW (676 kBTU/hr)
2.4.	DUE TO THE AMOUNT OF CONNECTED EQUIPMENT LOAD, A BOILER IS NECESSARY TO MEET THE HIGH HEATING DEMANDS.
3.	GEOTHERMAL SYSTEM DESIGN CRITERIA INTO THE HEAT PUMPS BASED ON ENTERING WATER TEMPERATURE (EWT) OF 6°C (32°F) IN HEATING MODE AND ENTERING WATER TEMPERATURE (EWT) OF 29.4°C (85°F) IN COOLING MODE. THESE CONDITIONS ARE BASED ON WATER-TO-AIR HEAT PUMPS AND WATER-TO-WATER HEAT PUMPS OPERATING. GEOTHERMAL ENTERING WATER TEMPERATURES WILL FLUCTUATE WITHIN THESE VALUES THROUGHOUT THE YEAR. DUE TO THE AMOUNT OF CONNECTED EQUIPMENT LOAD, A BOILER IS NECESSARY TO MEET THE HIGH HEATING DEMANDS.

GEOTHERMAL BOREHOLE FIELD	
BOREHOLE FIELD DESCRIPTION	
OVERALL BOREHOLE LENGTH	2,073 m (~6,800 ft)
BOREHOLE QUANTITY	8 total (with one for test hole)
NUMBER OF CIRCUITS	4
BOREHOLE DEPTH	259 m (~850 ft)
BOREHOLE DIAMETER	5"Ø
BOREHOLE SPACING	6.1 m (~20 ft) MINIMUM
FLUID DESCRIPTION	
TYPE	25% propylene glycol by volume
FLOW RATE	7.0 l/s (110 US GPM)
SOIL DESCRIPTION (BASED ON TEST BORE DATA NEAR SITE)	
THERMAL CONDUCTIVITY	2.42 W/(m-K) [1.40 BTU/(hr-ft-°F)]
THERMAL DIFFUSIVITY	0.09 m²/day [0.97 ft²/day]
GROUND TEMPERATURE	12.9°C (55.3°F)
PIPING DESCRIPTION	
PIPE TYPE - VERTICAL BOREHOLES	HDPE SDR 11 (4710 RESIN)
PIPE TYPE - HORIZONTAL CIRCUITS	HDPE SDR 13.5 (4710 RESIN)
BOREHOLE PIPE DIAMETER	38 mm (1-1/2")
PIPE RESISTANCE FOR HDPE SDR 11	0.066 (m-K)/W [0.115 (hr-ft-°F)/BTU]
GROUT THERMAL CONDUCTIVITY	2.08 W/(m-K) [1.20 BTU/(hr-ft-°F)]

GEOTHERMAL SHEET INDEX	
G001	GEOTHERMAL NOTES, CRITERIA, AND INDEX
G100	GEOTHERMAL BOREHOLE LAYOUT PLAN
G101	GEOTHERMAL SECTIONS AND DETAILS
G102	GEOTHERMAL DETAILS - SLEEVING THROUGH BUILDING
G103	GEOTHERMAL MANIFOLD PLAN AND DETAILS

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ISSUED FOR PERMIT AND TENDER	12 NOV 2024
ISSUED FOR SPA AND COSTING	08 NOV 2024
ISSUED FOR REVIEW	02 OCT 2024
ISSUED FOR COORDINATION	20 SEPT 2024
revision	date

FIFA - EAST VSTS
CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
GEOTHERMAL NOTES,
CRITERIA, AND INDEX

project no. :	2461-66228-00
scale :	N/A
date :	NOVEMBER 12, 2024

drawing no. :

G001



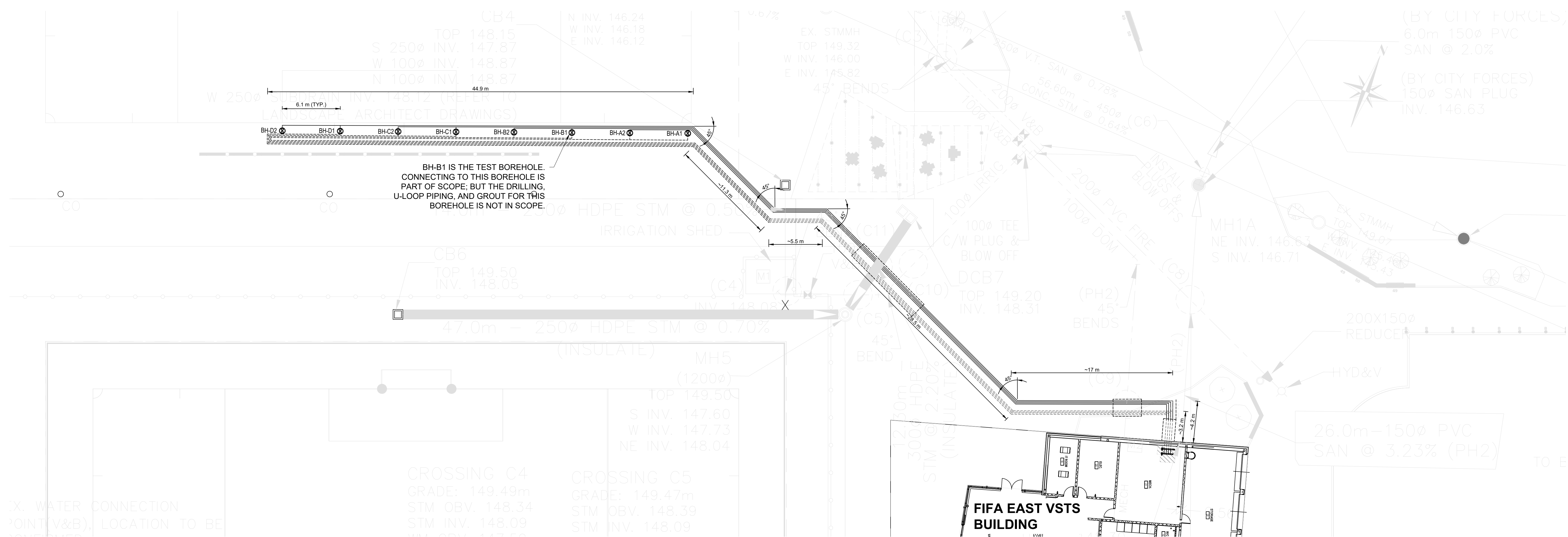
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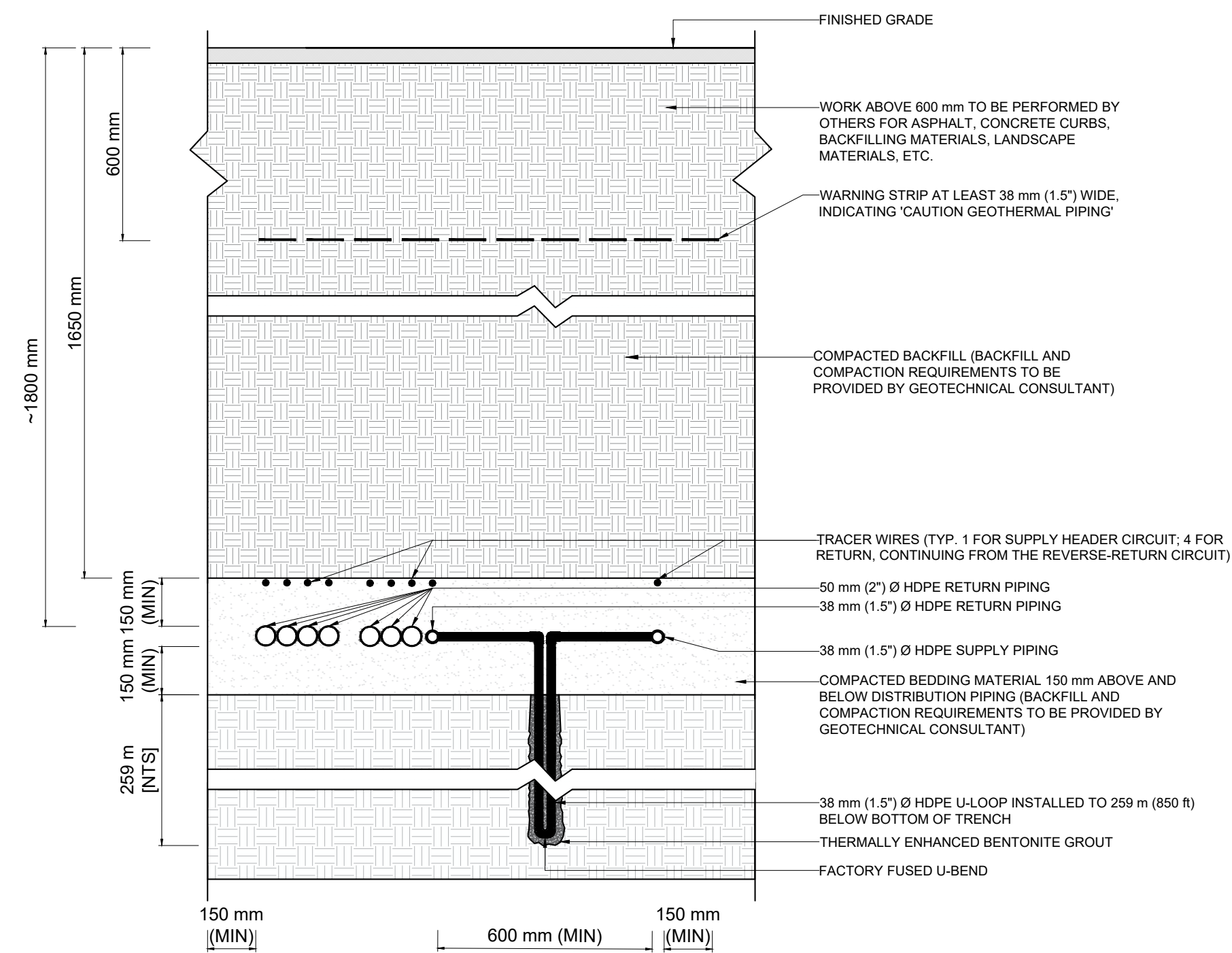
**FIFA - EAST VSTS
CENTENNIAL PARK**
Address: 56 Centennial Park Rd, Toronto, ON

**GEOHERMAL BOREHOLE
LAYOUT PLAN**

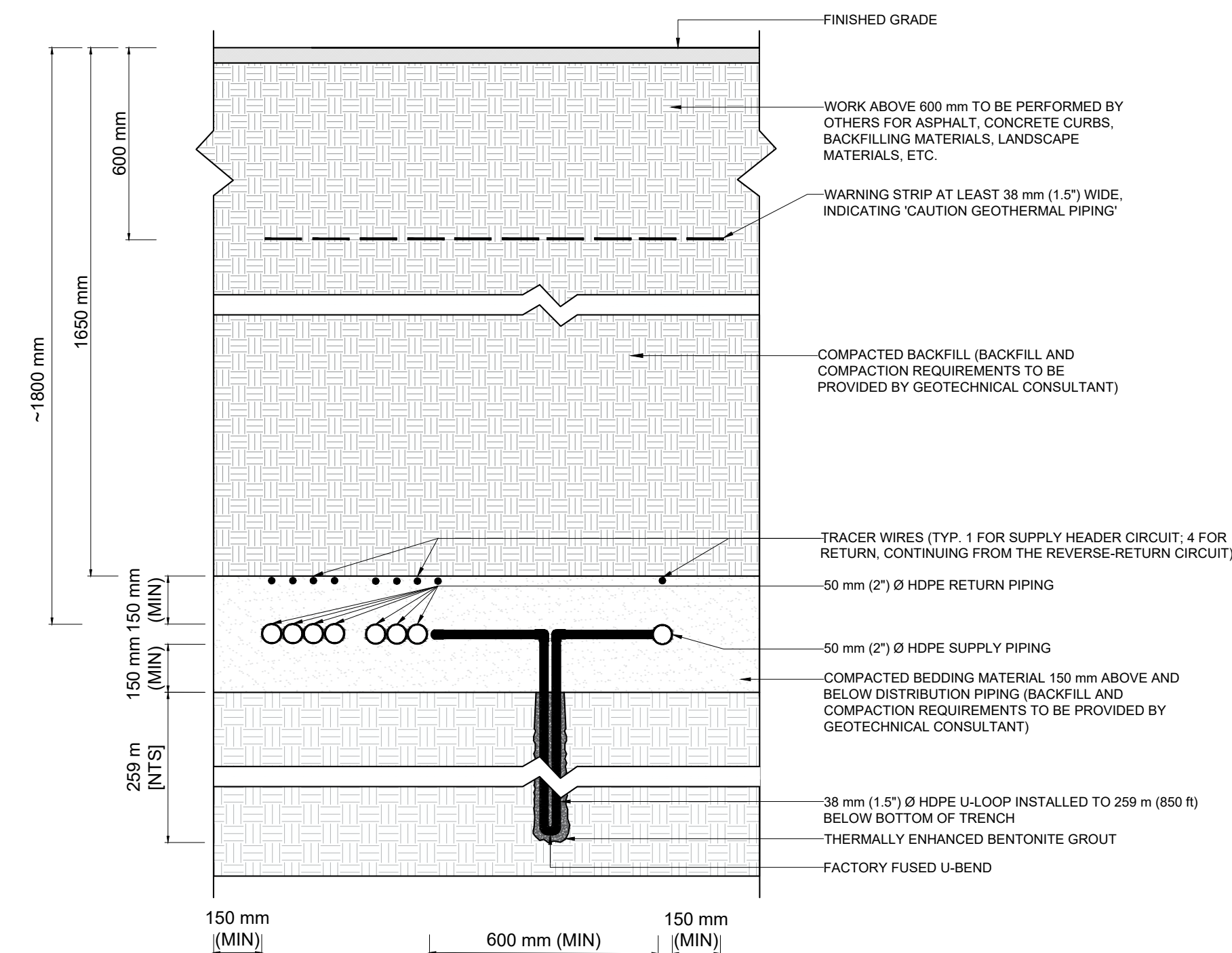
G100

2. BOREHOLE LAYOUT WITH DIMENSIONS

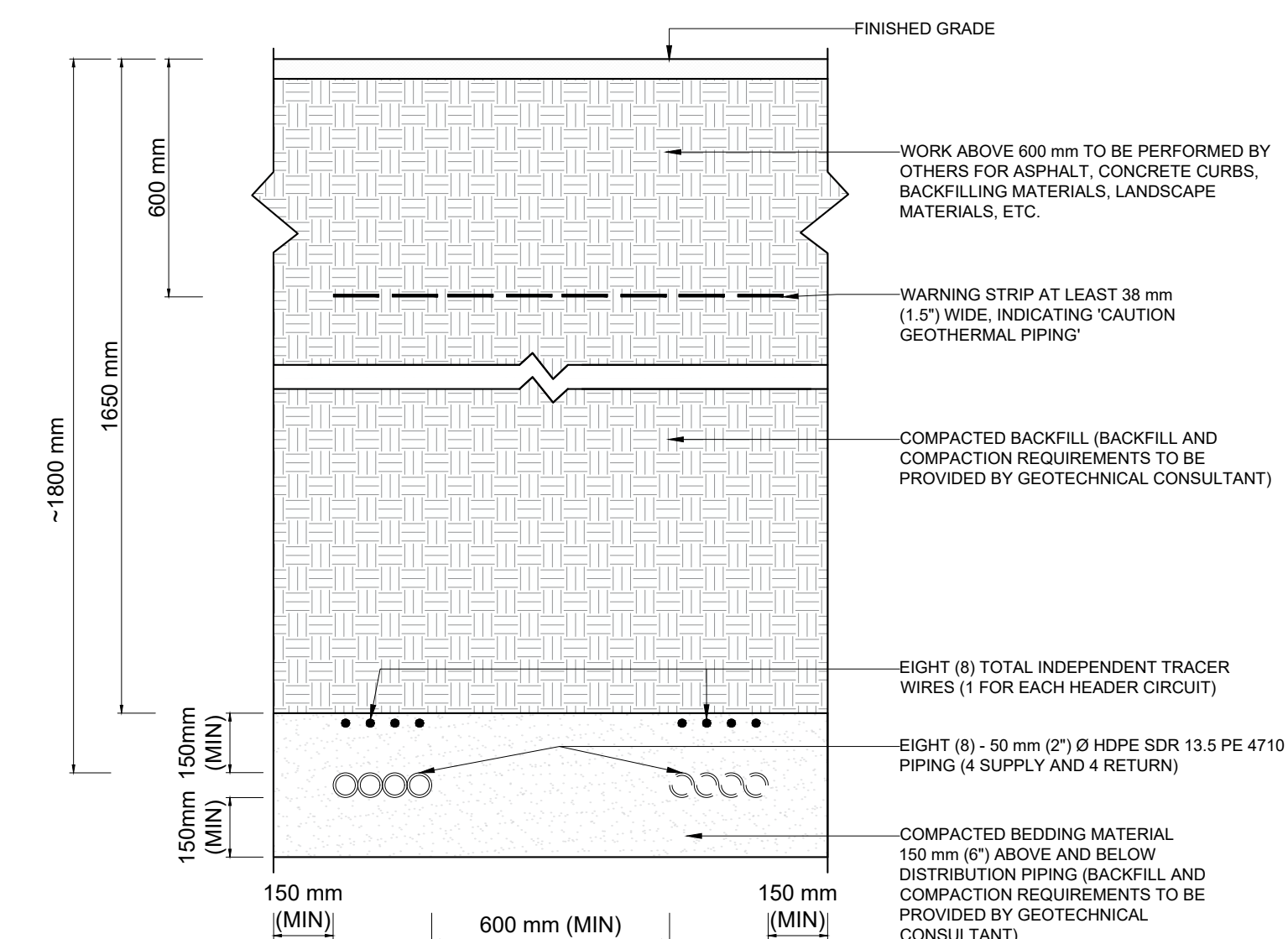




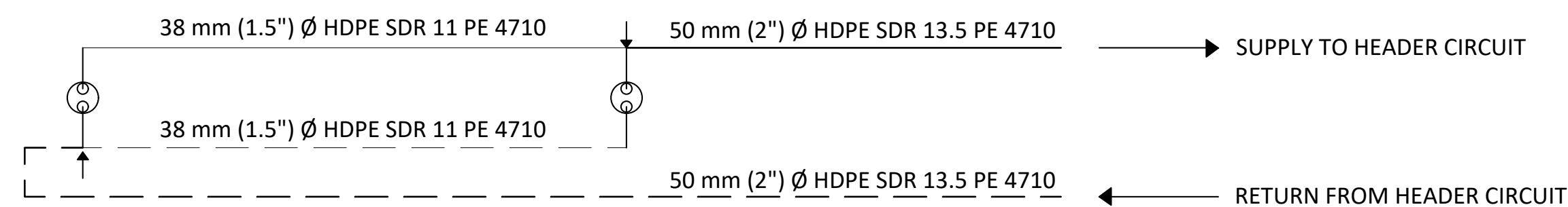
1. CONCEPTUAL TRENCH CROSS SECTION A-A DETAIL (TYPICAL) (NTS)
(Direction of view SOUTHWEST)




2. CONCEPTUAL TRENCH CROSS SECTION B-B DETAIL (TYPICAL) (NTS)
(Direction of view SOUTHWEST)

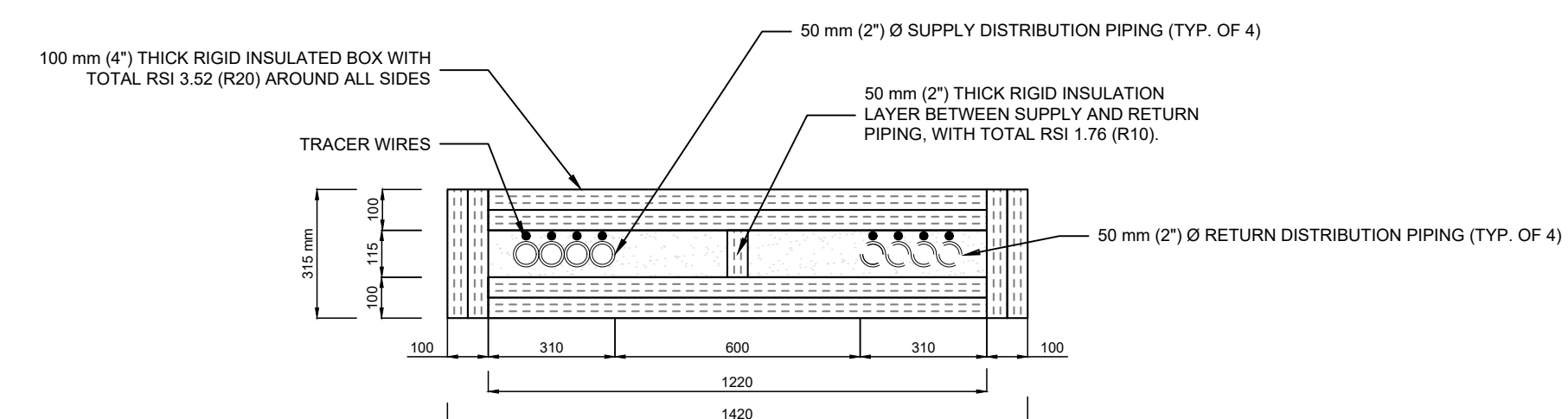


3. CONCEPTUAL TRENCH CROSS SECTION C-C DETAIL (TYPICAL) (NTS)
(Direction of view SOUTHEAST)



- NOTES:
1.  LOCATION OF REDUCING TEE OR BUSHING
 2. REFER TO BOREFIELD LAYOUT DRAWING FOR LOCATION OF 90 DEGREE ELBOWS

4. HEADER CIRCUIT DETAIL (TYPICAL) (NTS)



5. TYPICAL RIGID INSULATED TRENCH CROSS SECTION (NTS)

ISSUED FOR ADDENDUM NO. 1	18 DEC 2021
ISSUED FOR PERMIT AND TENDER	12 NOV 2021
ISSUED FOR SPA AND COSTING	08 NOV 2021
ISSUED FOR REVIEW	02 OCT 2021
ISSUED FOR COORDINATION	20 SEPT 2021
revision	date



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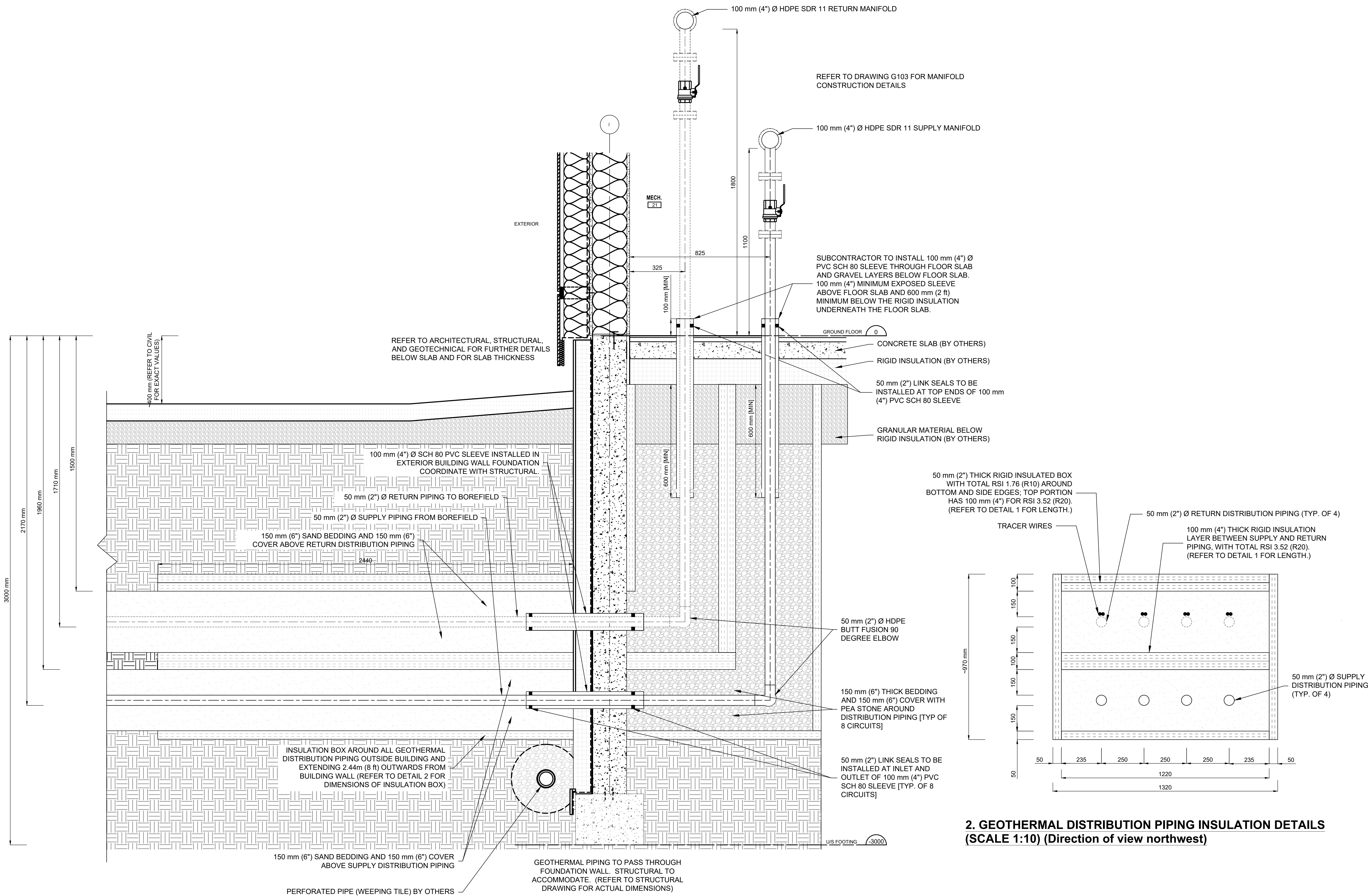
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ISSUED FOR PERMIT AND TENDER	15 NOV 2024
ISSUED FOR SPA AND COSTING	08 NOV 2024
ISSUED FOR REVIEW	02 OCT 2024
ISSUED FOR COORDINATION	20 SEPT 2024
revision	date

FIFA - EAST VSTS
CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
GEOHERMAL DETAILS -
SLEEVING THROUGH
BUILDING

project no. : 2461-66228-00
scale : 1 : 10
date : NOVEMBER 12, 2024

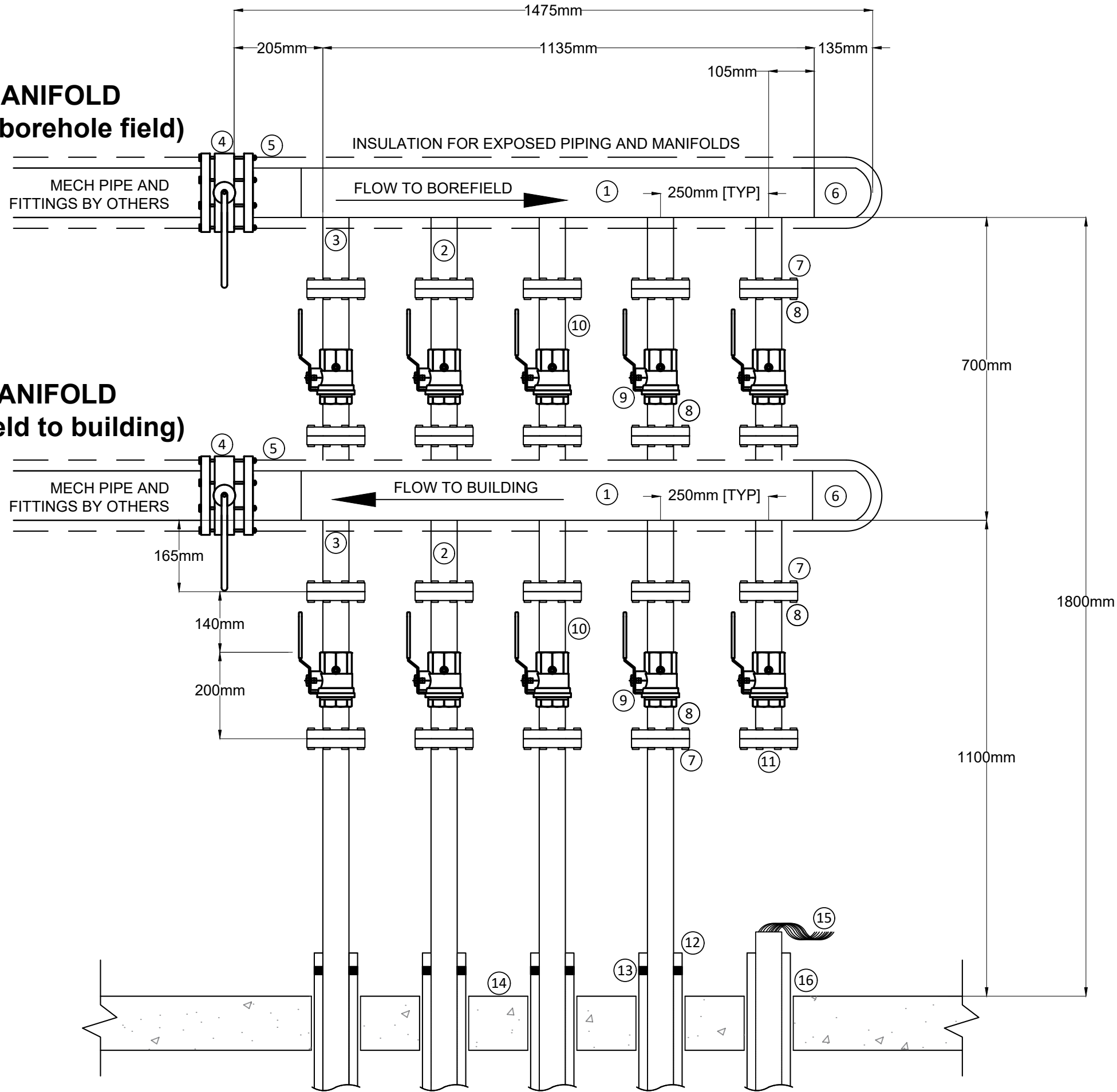
drawing no. :

G102



1. GEOTHERMAL DISTRIBUTION PIPING THROUGH FOUNDATION WALL WITH SLEEVING AND INSULATION DETAILS (SCALE 1:10)

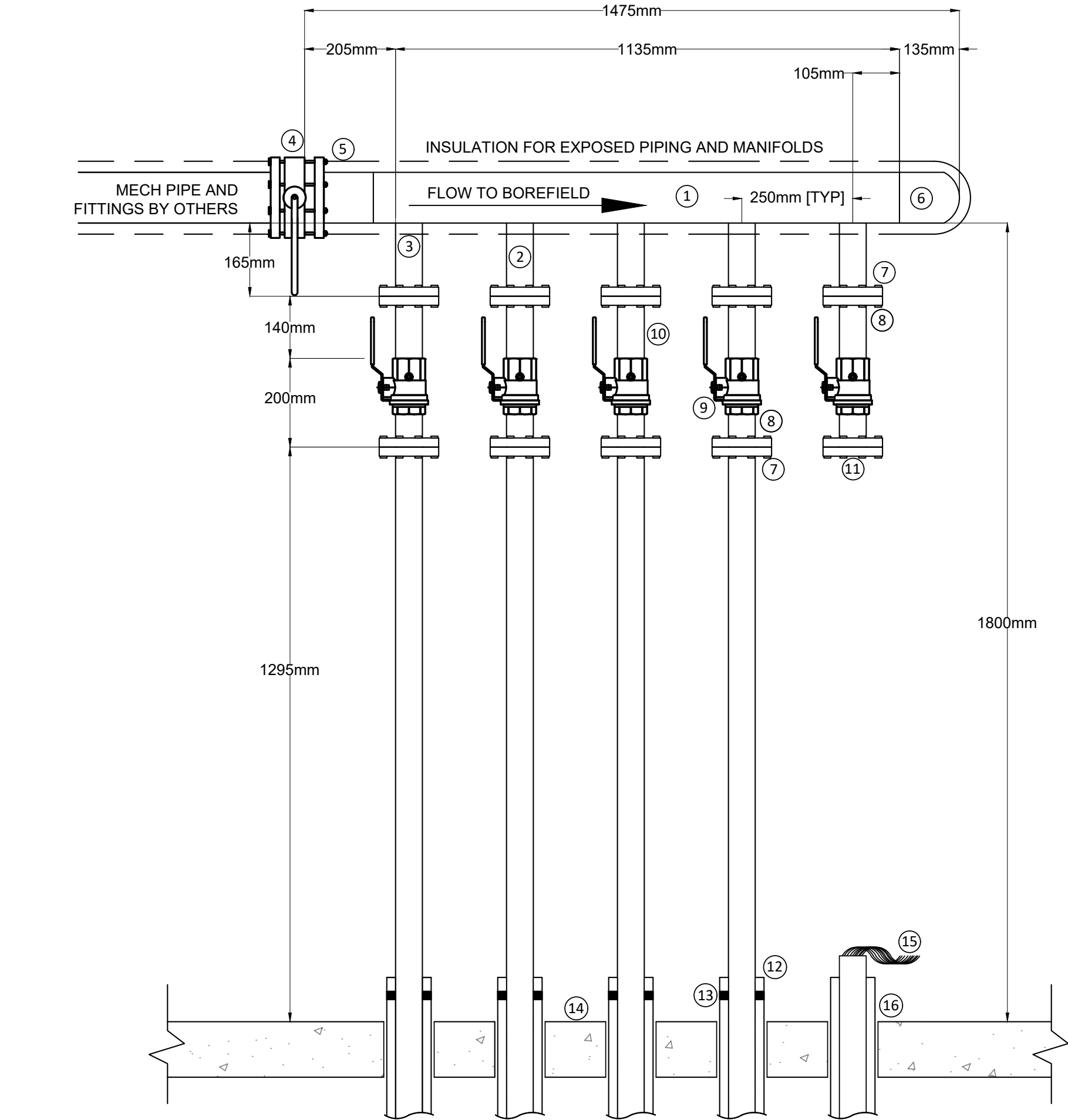
HDPE RETURN MANIFOLD
(from building to borehole field)



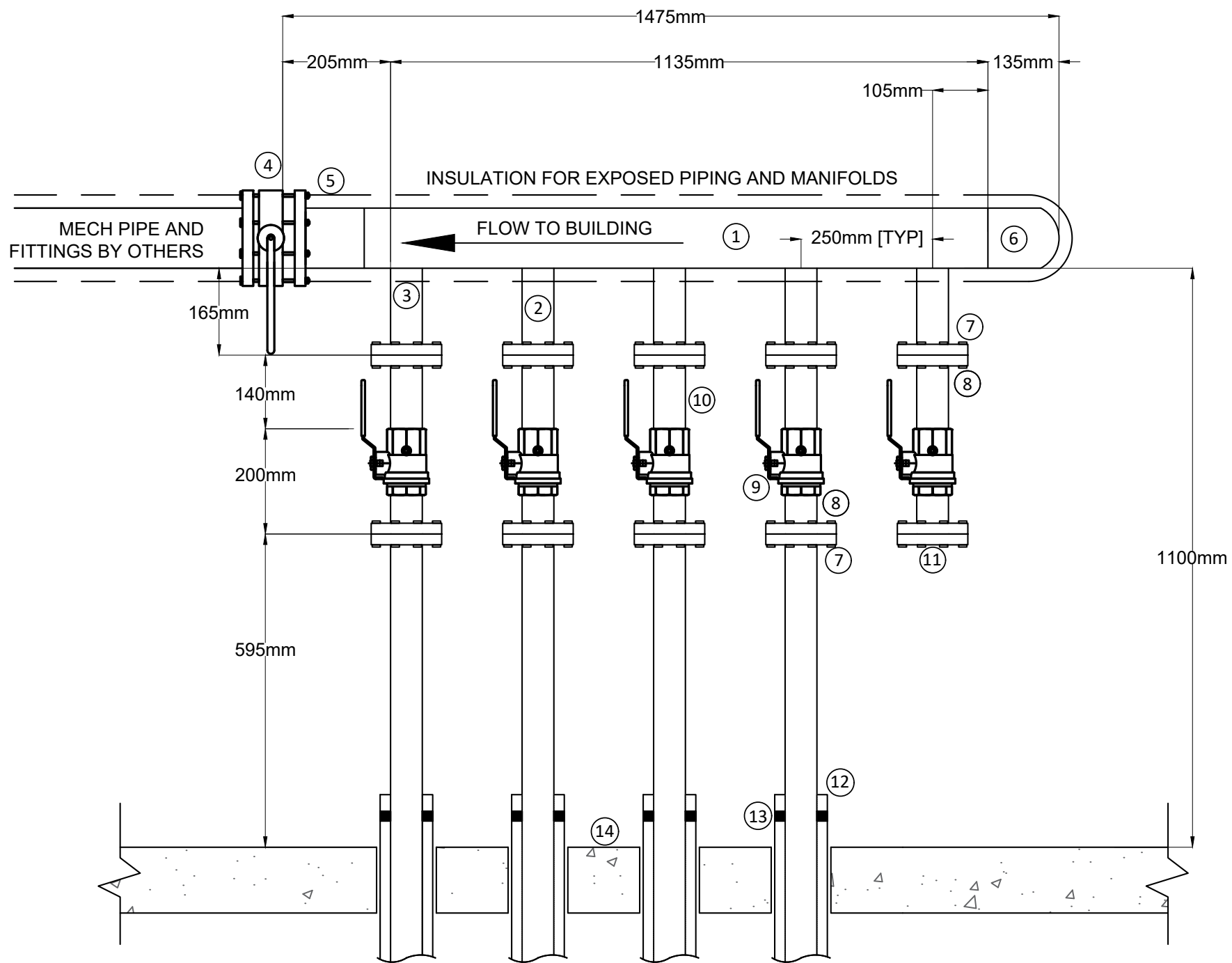
HDPE SUPPLY MANIFOLD
(from borehole field to building)

- ① 100 mm HDPE PE 4710 DR 11 PIPE
- ② 50 mm HDPE PE 4710 DR 13.5 PIPE
- ③ 100 mm x 50 mm SADDLE FITTING BY MANUFACTURER (TYP. OF 10)
- ④ 100 mm BUTTERFLY VALVE (TYP. OF 2)
- ⑤ 100 mm HDPE FLANGE ADAPTOR WITH BACKUP RING (TYP. OF 2)
- ⑥ 100 mm HDPE PE 4710 DR 11 FUSED END CAP (TYP. OF 2)
- ⑦ 50 mm HDPE FLANGE ADAPTOR WITH BACKUP RING (TYP. OF 18)
- ⑧ 50 mm STEEL FLANGE FOR THREADED NIPPLES (TYP. OF 20)
- ⑨ 50 mm BRASS BODY THREADED FULL PORT BALL VALVE WITH 6.4 mm GAUGE PORT (TYP. OF 10)
- ⑩ 50 mm CARBON STEEL SCH. 40 THREADED NIPPLES VARYING LENGTHS
- ⑪ 50 mm BLIND FLANGE (TYP. OF 2)
- ⑫ 100 mm PVC SCH. 80 SLEEVE PENETRATION THROUGH FLOOR (TYP. OF 8; COORDINATE SLEEVES WITH STRUCTURAL)
- ⑬ LINK SEALS (TYP. OF 8 AT SLEEVED PENETRATION, WITH LINKS SEALS AT INLET)
- ⑭ BASEMENT FLOOR SLAB (BY OTHERS)
- ⑮ TRACER WIRES (8 TOTAL - ONE FOR EACH SUPPLY AND RETURN CIRCUIT)
- ⑯ 50 mm PVC SCH. 80 SLEEVE PENETRATION THROUGH FLOOR SLAB, SEALED BY SPRAY POLYURETHANE FOAM AT INLET AND OUTLET OF SLEEVE; COORDINATE SLEEVE WITH STRUCTURAL

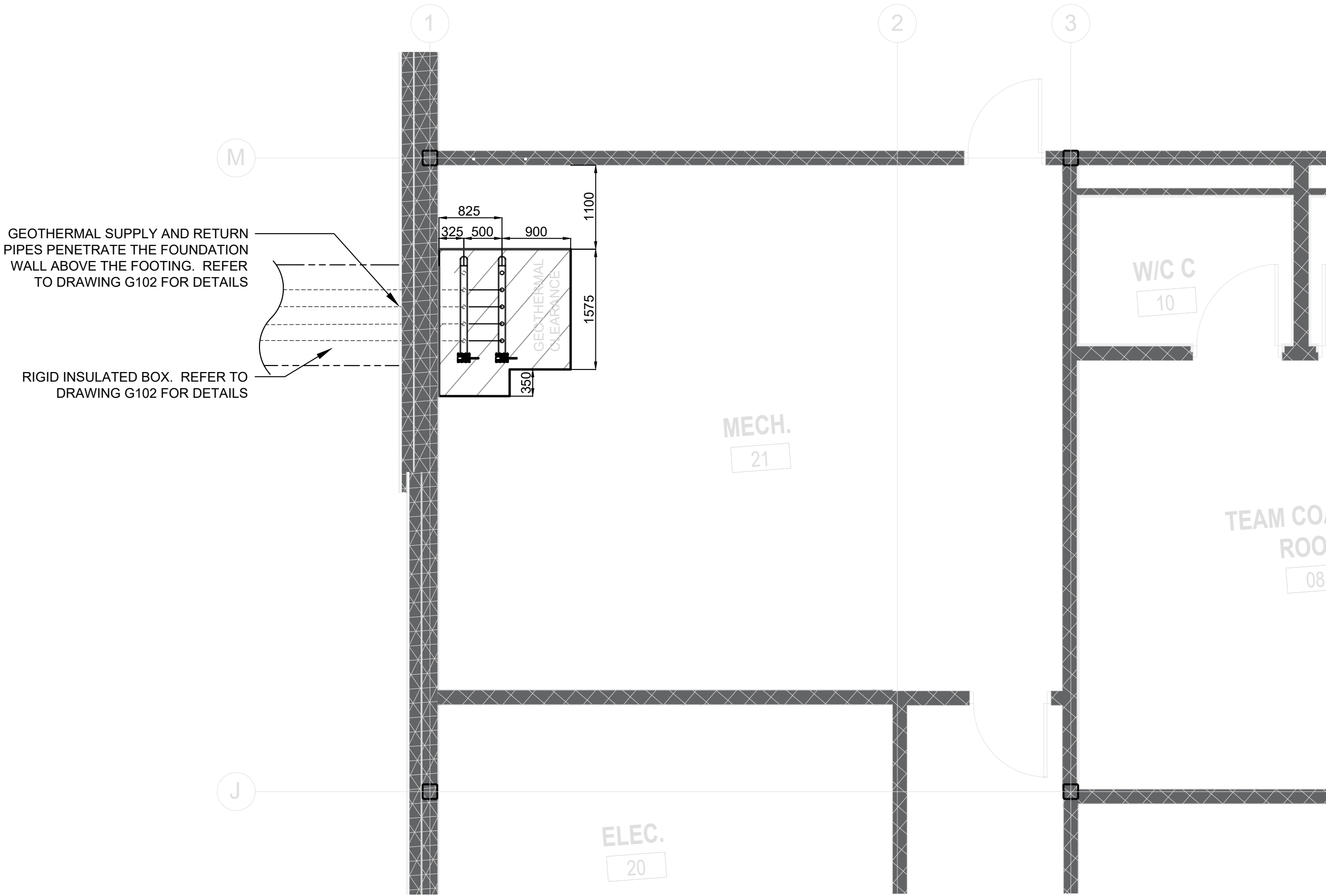
1. SUPPLY & RETURN HDPE MANIFOLD DETAILS (direction viewing northwest) [SCALE 1:10]



2. RETURN HDPE MANIFOLD DETAILS (direction viewing northwest) [SCALE 1:10]



3. SUPPLY HDPE MANIFOLD DETAILS (direction viewing northwest) [SCALE 1:10]



4. GEOTHERMAL MANIFOLD PLAN VIEW [SCALE 1:50]



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ISSUED FOR COORDINATION	20 SEPT 2024
revision	date

FIFA - EAST VSTS
CENTENNIAL PARK
Address: 56 Centennial Park Rd, Toronto, ON
GEOTHERMAL MANIFOLD
PLAN & DETAILS

project no. :	2461-66228-00
scale :	AS NOTED
date :	NOVEMBER 12, 2024

drawing no. :

G103

CENTENNIAL PARK

FIFA - EAST VSTS Landscape Drawings

Toronto Parks, Forestry & Recreation

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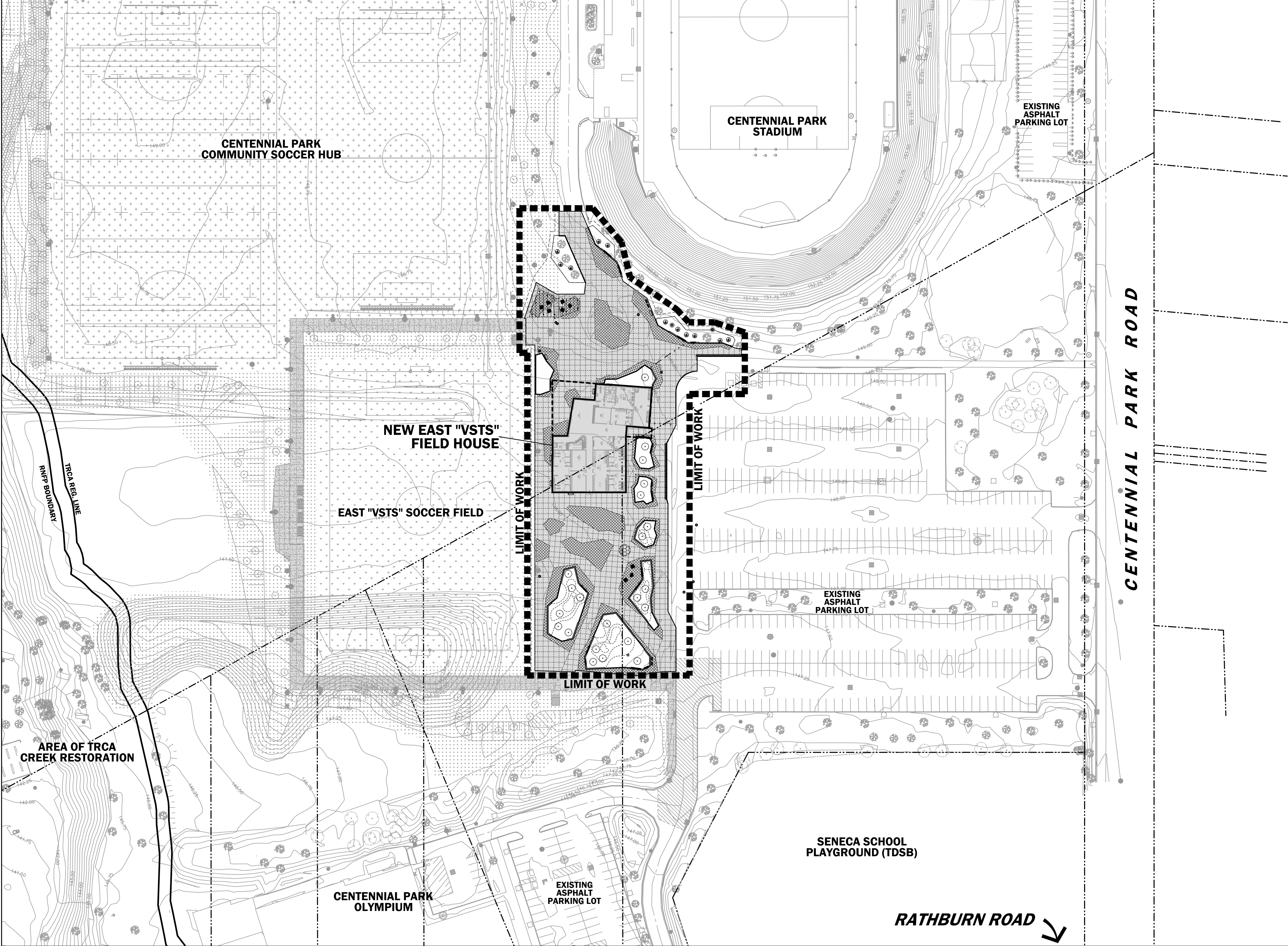


- GENERAL NOTES**
1. ALL WORKS SHALL CONFORM TO THE REQUIREMENTS, STANDARDS AND DIRECTION OF THE CITY OF TORONTO.
 2. THE CONTRACTOR SHALL CONTACT THE LANDSCAPE ARCHITECT TO OBTAIN THE CITY'S APPROVAL ON ANY PROPOSED SUBSTITUTIONS IN MATERIALS, OR DEVIATIONS FROM CONSTRUCTION METHODS, AS DESCRIBED ON THE DRAWINGS AND SPECIFICATIONS. THE CITY MAY NOT APPROVE SUBSTITUTIONS OR ALTERNATE METHODS. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING COMPLIANCE WITH DRAWINGS AND SPECIFICATIONS WHICH MAY INCLUDE REMOVAL OF ANY WORK NOT APPROVED BY THE CITY.
 3. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE LANDSCAPE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DRAWINGS AND THE CONDITIONS ENCOUNTERED ON-SITE.
 4. THE CONTRACTOR SHALL STAKE OR SPRAY PAINT ALIGNMENT OR LOCATION OF ALL NEW FACILITIES FOR VERIFICATION BY THE CITY AND THE LANDSCAPE ARCHITECT PRIOR TO CARRYING OUT ANY EXCAVATIONS OR INSTALLATIONS.
 5. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL TREES OR FACILITIES WITHIN THE PARK OR ON ADJACENT PROPERTIES, NOT INDICATED TO BE REMOVED. ANY DAMAGE SHALL BE IMMEDIATELY REPAIRED TO THE CITY'S SATISFACTION.
 6. THE CONTRACTOR SHALL KEEP ALL CONSTRUCTION RELATED ACCESS AND ACTIVITIES WITHIN THE DESIGNATED LIMIT OF WORK AREA.
 7. ALL PORTIONS OF THE WORK MUST BE AVAILABLE AT ALL TIMES WHILE WORK IS BEING PERFORMED, FOR INSPECTION BY DESIGNATED REPRESENTATIVES OF THE CITY OR THE LANDSCAPE ARCHITECT.
 8. ALL QUESTIONS, ALTERNATE PROPOSALS, REQUESTS FOR INFORMATION OR INSPECTION, ETC. SHALL BE DIRECTED TO THE LANDSCAPE ARCHITECT.

DRAWING INDEX

DWG: SHEET TITLE:

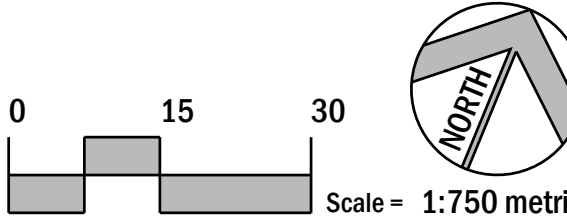
L1	Landscape Drawings Cover Sheet
L2	Tree Protection Plan
L3	Demolition Plan
L4	Landscape Plan
L5	Layout + Grading Plan
L6	Soil Provision Plan
L7	Planting Plan
L7A	Planting Plan-Enlargement Plan
L7B	Planting Legend
L8	Landscape Details 1
L9	Landscape Details 2
L10	Landscape Details 3
L11	Landscape Details 4
L12	Landscape Details 5
L13	Landscape Details 6



04	2024-12-18	ISSUED FOR ADDENDUM #1	ED	JC
03	2024-11-18	ISSUED FOR PERMIT AND TENDER	EKA	JC
02	2024-11-13	PRELIMINARY	EKA	JC
01	2024-11-08	PRELIMINARY	JC	...
NO	YYYY-MM-DD	REVISION	DN	CH



**CENTENNIAL PARK
FIFA - EAST VSTS**
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3

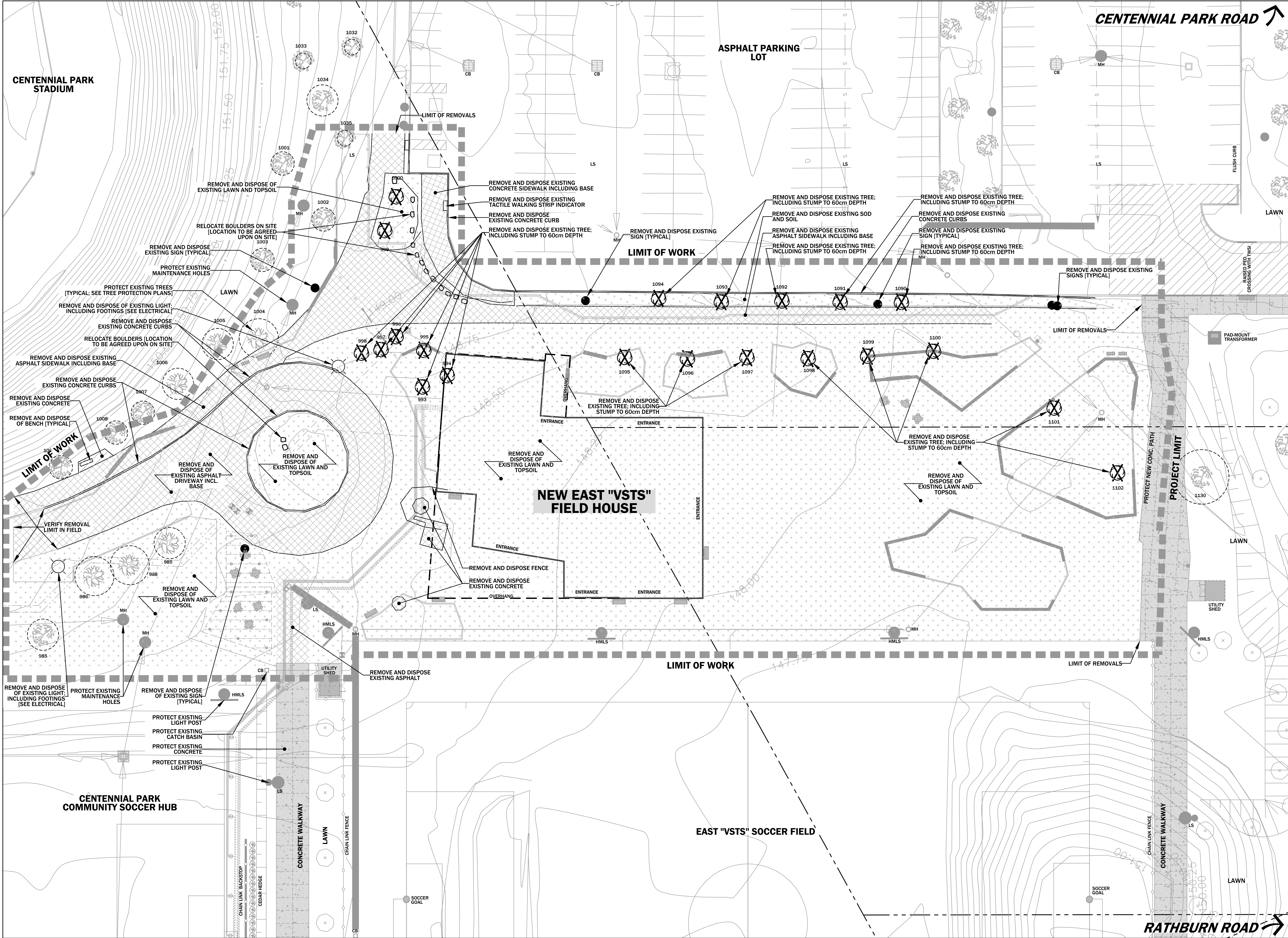


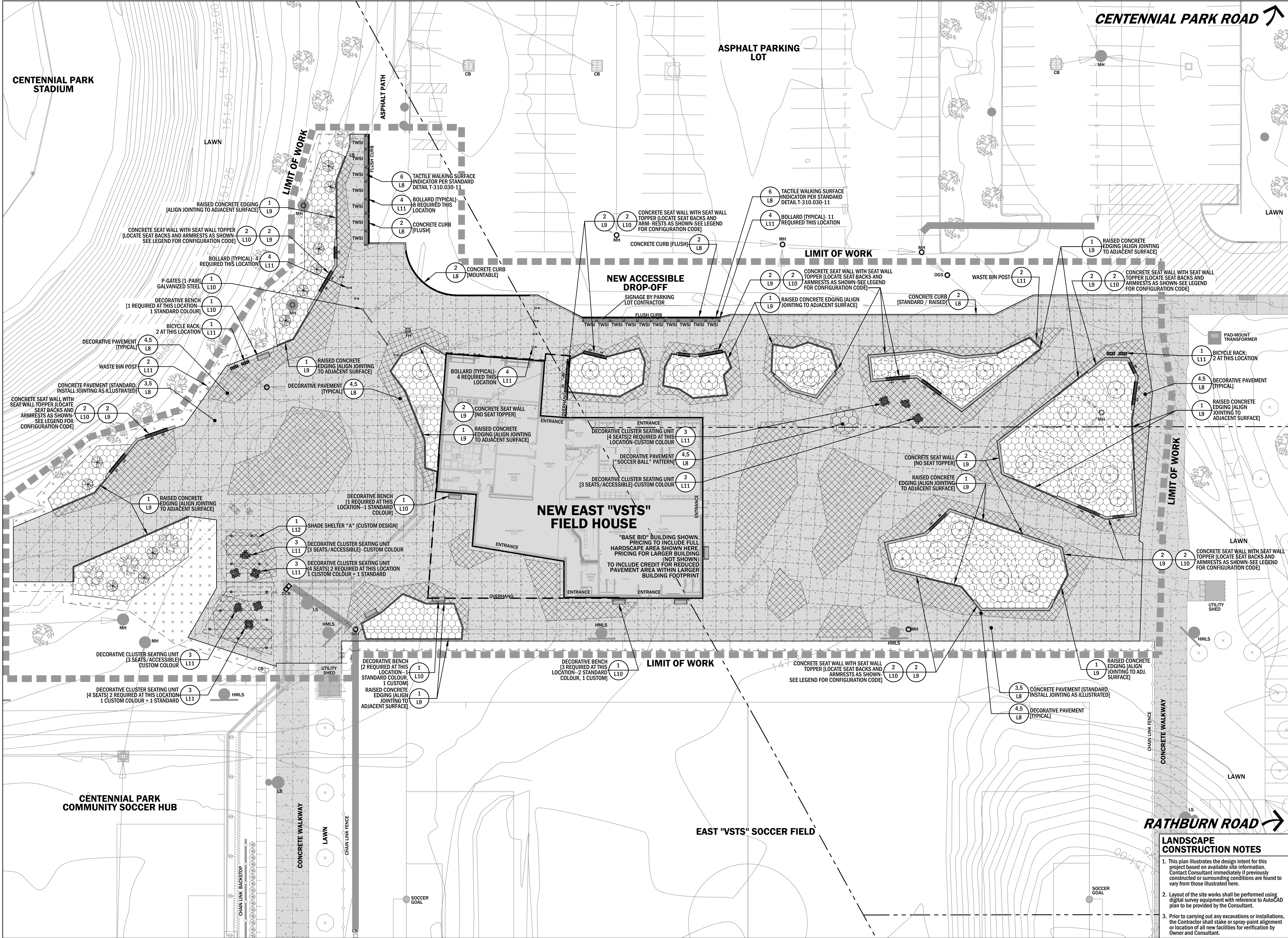
VFA Project: 2309

L1

**LANDSCAPE DRAWINGS
COVER SHEET**

sheet date: (08/24) 19/10/2024





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VFA

VICTOR FORD & ASSOCIATES INC.
LANDSCAPE ARCHITECTS
102-103 Spadina Avenue, Toronto, Ontario M5S 2C2
victor@victorford.ca

LEGEND

—

LIMIT OF WORK

PROPERTY BOUNDARY OR EASEMENT

EXISTING TREES AS SURVEYED
(left = conifer, right=deciduous)

EXISTING TREES AS ESTIMATED BY
ARBORIST [various types]

NEW CONCRETE PAVEMENT
(dashed line indicated jointing
pattern)

Indicates jointing pattern
Tactile walking surface indicator (TWSI)

NEW DECORATIVE PAVEMENT
(unit pavers on concrete base)

NEW GENERAL PURPOSE LAWN
AREAS

NEW GARDEN BEDS

NEW DECORATIVE PARK BENCH
(colours vary)

LANDSCAPE WALL (seat height)
ALL WALL ENDS REVISED TO 90-DEGREES

NEW SEAT WALL TOPPER
[46"-backless, with centre armrest]

NEW SEAT WALL TOPPER
[48"-backless, no armrest]

NEW SEAT WALL TOPPER [49"-with
raised back + centre armrest]

NEW SEAT WALL TOPPER
[50"-with raised back, no armrest]

NEW DECORATIVE CLUSTER
SEATING [3 and 4 seat
configurations and various colours]

NEW BICYCLE RACK

NEW WASTE BIN POST
(bins by Parks Solid Waste)

NEW BOLLARD
[B=fixed, R=removable]

NEW TREES [species vary]

ABBREVIATIONS:

CB

CATCH BASIN

CBMH

COMBINED CATCH BASIN + MAINT. HOLE

DCB

DOUBLE CATCH BASIN

HMLS

HIGH MAST LIGHT STANDARD [sport field]

HW

HANDWELL

LS

LIGHT STANDARD [GENERAL-MAY VARY]

MH

MAINTENANCE HOLE

OGS

OIL-GRIT SEPARATOR

SI

SIGN

SL

STREETLIGHT [EXISTING]

WV

WATER VALVE

1

DETAIL NUMBER(S)
(ITEM DESCRIPTION)
DRAWING SHEET NUMBER WHERE
DETAIL IS FOUND

04

2024-12-18

ISSUED FOR ADDENDUM #1

ED

JC

03

2024-11-18

ISSUED FOR PERMIT AND TENDER

EKA

JC

02

2024-11-13

PRELIMINARY

EKA

JC

01

2024-11-08

PRELIMINARY

JC

...

NO

YYYY-MM-DD

REVISION

DN

CH

CENTENNIAL PARK
FIFA - EAST VSTS
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3

Toronto Parks, Forestry and Recreation

LANDSCAPE
CONSTRUCTION NOTES

1. This plan illustrates the design intent for this project based on available site information. Contact Consultant immediately if previously constructed or surrounding conditions are found to vary from those illustrated here.

2. Layout of the site works shall be performed using digital survey equipment with reference to AutoCAD plan to be provided by the Consultant.

3. Prior to carrying out any excavations or installations, the Contractor shall stake or spray-paint alignment or location of all new facilities for verification by Owner and Consultant.

0 5 10

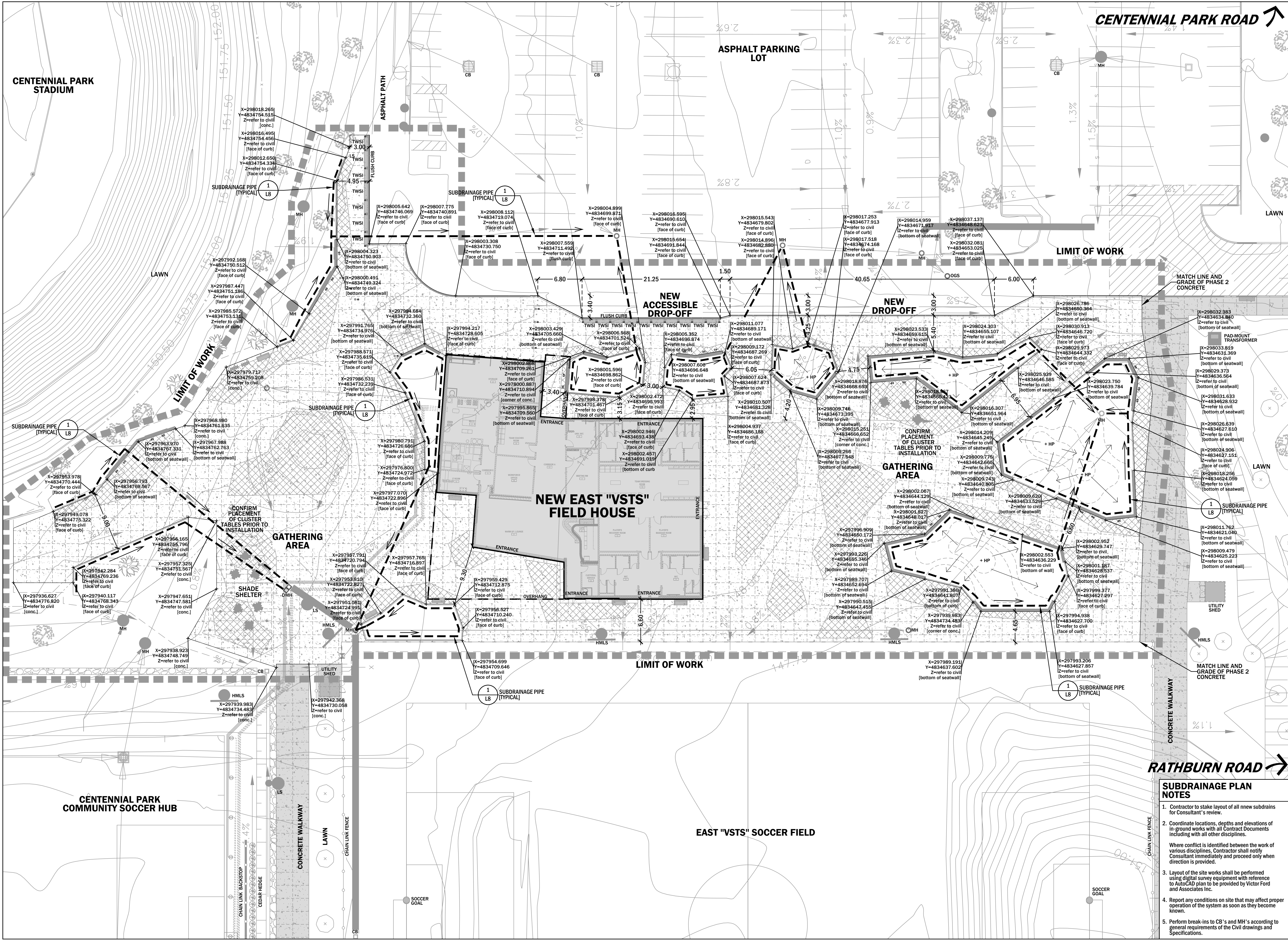
Scale = 1:250 metric

VFA Project: 2309

L4

LANDSCAPE PLAN

sheet 4 of 4 (08/24 19/14/20)



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102-103 Spadina Avenue, Toronto, Ontario M5S 2B2
victor@victorford.ca

LEGEND

LIMIT OF WORK AREA

PROPERTY BOUNDARY OR EASEMENT

EXISTING TREES AS SURVEYED
(left = conifer, right = deciduous)

EXISTING TREES AS ESTIMATED BY ARBORIST (various types)

PROPOSED SLOPES

PROPOSED CONTOURS
(SCHEMATIC)

PROPOSED SUBDRAINAGE PIPE:
SET DEPTH BELOW BOTTOM OF
PLANTING SOIL AND FOLLOW
SURFACE GRADE OR GRADE 1% TO
DRAIN, IF CONNECTION RESTRICTS
DEPTH, NOTIFY CONSULTANT.

SUBDRAINAGE FLOW DIRECTION

DETAIL NUMBER(S)
(ITEM DESCRIPTION)
DRAWING SHEET NUMBER WHERE
DETAIL IS FOUND

ABBREVIATIONS:

CB

CATCH BASIN

CBMH

COMBINED CATCH BASIN + MAINT. HOLE

DCB

DOUBLE CATCH BASIN

HMLS

HIGH MAST LIGHT STANDARD (sport field)

HW

HANDWELL

LS

LIGHT STANDARD (GENERAL - MAY VARY)

MH

MAINTENANCE HOLE

OGS

OIL-GRIT SEPARATOR

SI

SIGN

SL

STREETLIGHT (EXISTING)

WV

WATER VALVE

LAYOUT AND GRADING
NOTES

1. Contractor to stake layout of all new facilities for Consultant's review.

2. Coordinate locations, depths and elevations of in-ground works with all Contract Documents including with all other disciplines.

Where conflict is identified between the work of various disciplines, Contractor shall notify Consultant immediately and proceed only when direction is provided.

3. Layout of the site works shall be performed using digital survey equipment with reference to AutoCAD plan to be provided by Victor Ford and Associates Inc.

4. Stockpile all suitable excavated materials and any materials indicated to be salvaged for use on-site if applicable. Dispose of all unsuitable or excess materials.

5. Soil or granular materials stockpiled on site shall be protected from contamination by tarps or other means until they are installed elsewhere on site.

6. CONTRACTOR IS RESPONSIBLE TO RE-SET ALL FRAMES AND GRATES FOR CB's, MH's, CBMH's and DCB's INSTALLED BY OTHERS TO THE FINISHED GRADES INDICATED ON THE CIVIL DRAWINGS.

04 2024-12-18

ISSUED FOR ADDENDUM #1

ED

JC

03 2024-11-18

ISSUED FOR PERMIT AND TENDER

EKA

JC

02 2024-11-13

PRELIMINARY

EKA

JC

01 2024-11-08

PRELIMINARY

JC

...

NO

YYYY-MM-DD

REVISION

DN

...

ASSOCIATION OF LANDSCAPE ARCHITECTS
JEREMY ORR
PRESIDENT

CENTENNIAL PARK
FIFA - EAST VSTS

256 Centennial Park Road,
Toronto, Ontario, M5C 5N3

Toronto

Toronto Parks, Forestry and Recreation

0 5 10

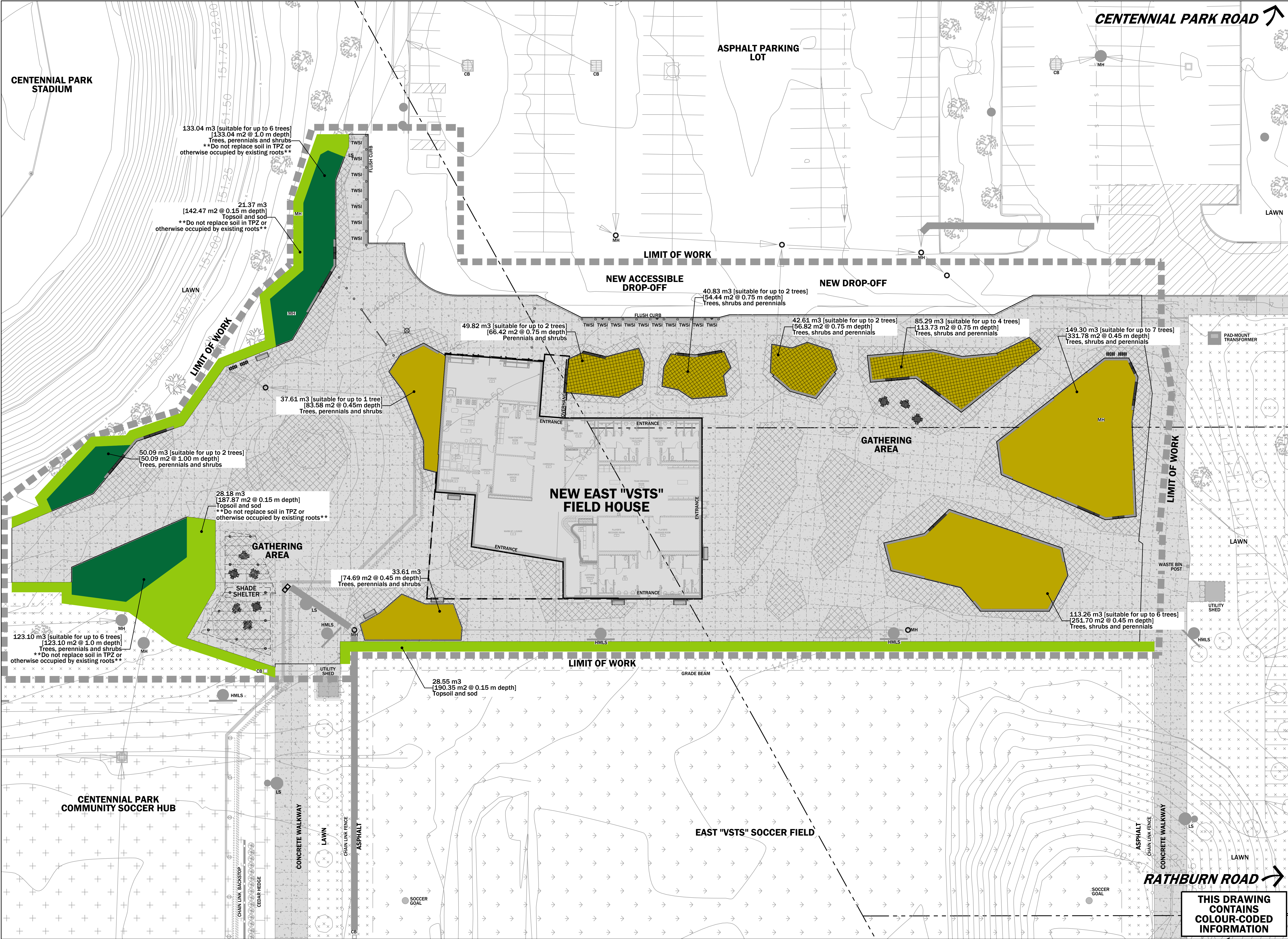
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L5

LAYOUT + GRADING PLAN

sheet date (06/24 13:46:00)



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LEGEND

GROWING MEDIUM MIXES PER CITY OF TORONTO
STANDARD SPECIFICATION TS 5.10

TOPSOIL AND SOD AREAS
TYPE 1 STANDARD MIX TO 0.15 m DEPTH

"POLLINATOR MEADOW" PLANTING AREAS
TYPE 2 PLANTING BED MIX TO 0.45 m DEPTH

"POLLINATOR MEADOW" PLANTING AREAS
WITH DEEP SOIL
TYPE 2 PLANTING BED MIX TO 0.75 m DEPTH

"DECORATIVE SCREENING" PLANTING AREAS
TYPE 2 PLANTING BED MIX TO 1.00 m DEPTH

04	2024-12-18	ISSUED FOR ADDENDUM #1	ED	JC
03	2024-11-18	ISSUED FOR PERMIT AND TENDER	EKA	JC
02	2024-11-13	PRELIMINARY	EKA	JC
01	2024-11-08	PRELIMINARY	JC	--
NO	YYYY-MM-DD	REVISION	DN	CH

CENTENNIAL PARK
FIFA - EAST VSTS

256 Centennial Park Road,
Toronto, Ontario, M9C 5N3

Toronto Parks, Forestry and Recreation

0 5 10

Scale = 1:250 metric

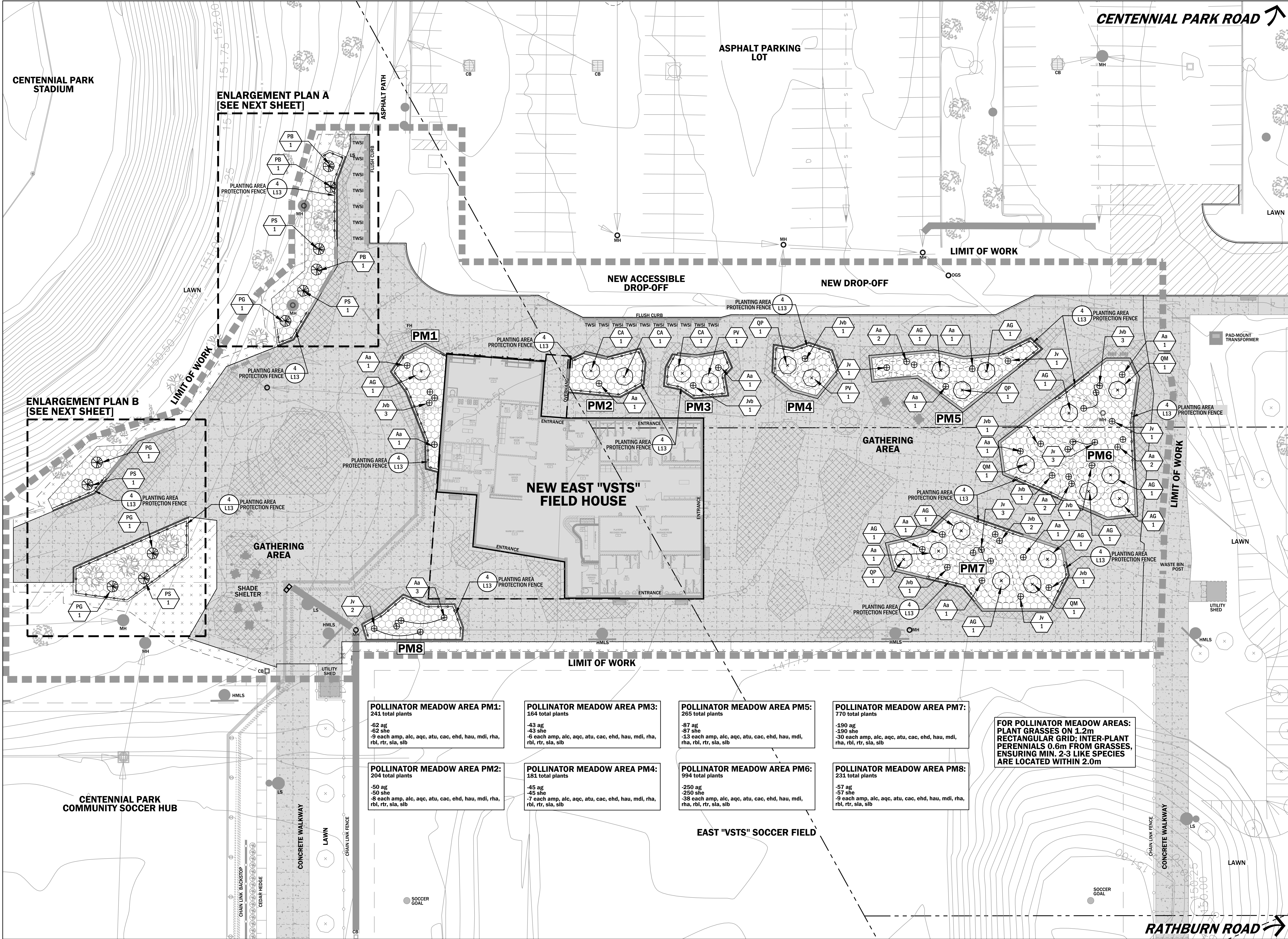
VFA Project: 2309

L6

SOIL PROVISION PLAN

THIS DRAWING
CONTAINS
COLOUR-CODED
INFORMATION

sheet date (06/24 19:46:50)



ENLARGEMENT PLAN B
[SEE NEXT SHEET]

ENLARGEMENT PLAN A
[SEE NEXT SHEET]

POLLINATOR MEADOW AREA PM1:
241 total plants
-62 ag
-62 she
-9 each amp, alc, aqc, atu, cac, ehd, hau, mdi, rha, rbi, rtr, sla, slb

POLLINATOR MEADOW AREA PM3:
164 total plants
-43 ag
-43 she
-6 each amp, alc, aqc, atu, cac, ehd, hau, mdi, rha, rbi, rtr, sla, slb

POLLINATOR MEADOW AREA PM5:
770 total plants
-87 ag
-87 she
-13 each amp, alc, aqc, atu, cac, ehd, hau, mdi, rha, rbi, rtr, sla, slb

POLLINATOR MEADOW AREA PM7:
770 total plants
-190 ag
-190 she
-30 each amp, alc, aqc, atu, cac, ehd, hau, mdi, rha, rbi, rtr, sla, slb

POLLINATOR MEADOW AREA PM2:
204 total plants
-50 ag
-50 she
-8 each amp, alc, aqc, atu, cac, ehd, hau, mdi, rha, rbi, rtr, sla, slb

POLLINATOR MEADOW AREA PM4:
181 total plants
-45 ag
-45 she
-7 each amp, alc, aqc, atu, cac, ehd, hau, mdi, rha, rbi, rtr, sla, slb

POLLINATOR MEADOW AREA PM6:
994 total plants
-250 ag
-250 she
-38 each amp, alc, aqc, atu, cac, ehd, hau, mdi, rha, rbi, rtr, sla, slb

POLLINATOR MEADOW AREA PM8:
231 total plants
-57 ag
-57 she
-9 each amp, alc, aqc, atu, cac, ehd, hau, mdi, rha, rbi, rtr, sla, slb

FOR POLLINATOR MEADOW AREAS:
PLANT GRASSES ON 1.2m
RECTANGULAR GRID; INTER-PLANT
PERENNIALS 0.6m FROM GRASSES,
ENSURING MIN. 2-3 LIKE SPECIES
ARE LOCATED WITHIN 2.0m

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LEGEND

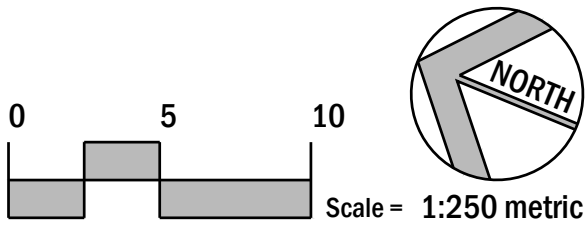
- LIMIT OF WORK AREA
- PLANTING AREA PROTECTION FENCE
- EXISTING TREES AS SURVEYED (left = conifer, right = deciduous)
- EXISTING TREES AS ESTIMATED BY ARBORIST (various types)
- NEW DECIDUOUS TREES
 - CA Cercis canadensis
 - QM Quercus macrocarpa
 - QP Quercus palustris
 - AG Acer grandidentatum x saccharum 'Highland Park'
 - PV Prunus virginiana
- NEW CONIFEROUS TREES
 - PG Picea glauca
 - PB Pinus banksiana
 - PS Pinus strobus
- NEW LAWN AREAS
- NEW SHRUBS, PERENNIALS AND GRASSES IN "DECORATIVE SCREENING" PLANTING BEDS
 - Am Aronia melanocarpa
 - Cs Cornus sericea
 - Ec Eleagnus commutata
 - amc Achillea millefolium 'Cesce Queen'
 - atf Agastache foeniculum 'Blue Fortune'
 - alc Allium cernuum
 - ah Allium hollandicum 'Purple Sensation'
 - atu Anemone tuberosa
 - ag Andropogon gerardii
 - cs Camassia scilloides
 - nca Narcissus 'Carlton'
 - pru Philomus ruscifolia
 - sne Salvia nemorosa 'Blaukoenig'
 - slb Symphyotrichum lateriflorum 'Lady in Black'
 - sng Symphyotrichum novae-angliae 'Grape Crush'
- NEW SHRUBS, PERENNIALS AND GRASSES IN "POLLINATOR MEADOW" PLANTING BEDS
 - Aa Amelanchier arborea
 - Jv Juniperus virginiana
 - Jvb Juniperus virginiana 'Blue Arrow'
 - amp Achillea millefolium 'Paprika'
 - alc Allium cernuum
 - ag Andropogon gerardii 'Red October'
 - atf Agastache foeniculum
 - atu Asclepias tuberosa
 - cd Castilleja coccinea
 - cg Chelone glabra
 - ehd Echinacea pallida 'Hula Dancer'
 - hau Helianthus annuus
 - mdi Monarda didyma
 - rha Rudbeckia hirta
 - rbi Rosa blanda
 - rtr Rudbeckia triloba
 - slb Siphium laciniatum
 - sne Sporobolus heterolepis
 - slb Symphyotrichum lateriflorum 'Lady in Black'

PLANT ABBREV.	QUANTITY	DETAIL NUMBER(S)	(ITEM DESCRIPTION)
CA	52	1	LS
			NUMBER WHERE DETAIL IS FOUND

04 2024-12-18	ISSUED FOR ADDENDUM #1	ED	JC
03 2024-11-18	ISSUED FOR PERMIT AND TENDER	EKA	JC
02 2024-11-13	PRELIMINARY	EKA	JC
01 2024-11-08	PRELIMINARY	JC	...
NO YYYY-MM-DD	REVISION	DN	CH



CENTENNIAL PARK FIFA - EAST VSTS
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3

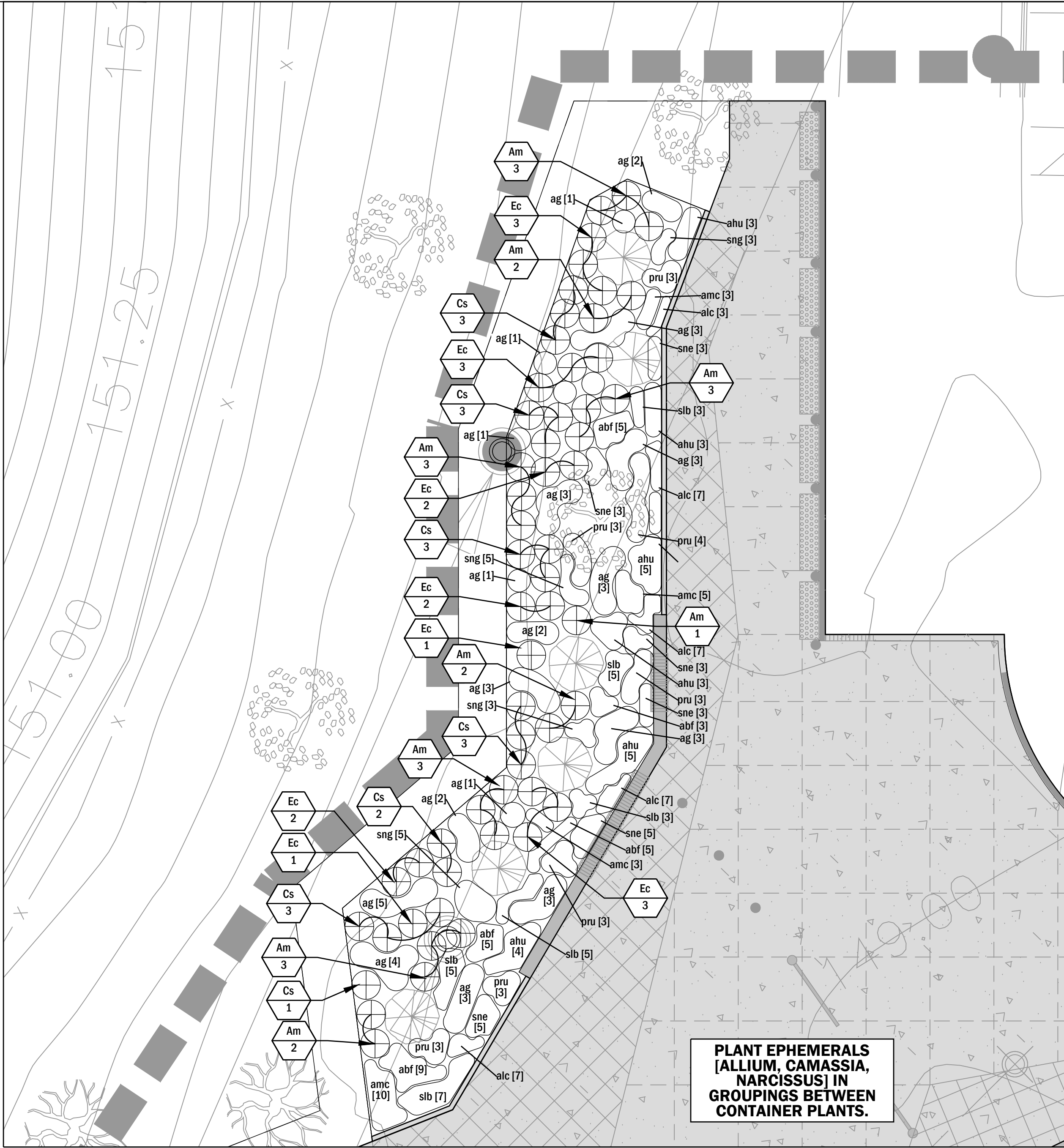


VFA Project: 2309

PLANTING PLAN

L7

sheet date (06/24 13/14/01)



ENLARGEMENT PLAN A



ENLARGEMENT PLAN B

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VICTOR FORD & ASSOCIATES INC.
LANDSCAPE ARCHITECTS

LEGEND

EXISTING TREES AS SURVEYED
(left = conifer, right = deciduous)

EXISTING TREES AS ESTIMATED BY
ARBORIST [various types]

NEW SHRUBS, PERENNIALS AND GRASSES IN
"DECORATIVE SCREENING" PLANTING BEDS

Am Aronia melanocarpa
Cs Cornus sericea
Ec Eragrostis communata
ag Agastache foeniculum 'Blue Fortune'
ah Allium hollandicum 'Purple Sensation'
ahu Andropogon gerardii
nca Narcissus 'Carlton'
pru Philonis russelliana
sne Salvia nemorosa 'Blaukoenig'
slb Symphyotrichum lateriflorum 'Lady in Black'
sng Symphyotrichum novae-angliae 'Grape Crush'

CA	PLANT ABBREV.	1	DETAIL NUMBER(S)
52	QUANTITY	L5	(ITEM DESCRIPTION) DRAWING SHEET NUMBER WHERE DETAIL IS FOUND
04	2024-12-18	ISSUED FOR ADDENDUM #1	ED JC
03	2024-11-18	ISSUED FOR PERMIT AND TENDER	EKA JC
02	2024-11-13	PRELIMINARY	EKA JC
01	2024-11-08	PRELIMINARY	JC --
NO	YYYY-MM-DD	REVISION	DN CH

**CENTENNIAL PARK
FIFA - EAST VSTS**

256 Centennial Park Road,
Toronto, Ontario, M9C 5N3

VFA Project: 2309

L7A

PLANTING PLAN
ENLARGEMENT PLAN

sheet date (08/24 13:46:50)

EVERGREEN GROVES AND DECORATIVE SCREENING AREAS

CONIFEROUS TREES

	PB	<i>Pinus banksiana</i>	Jack Pine	3	250 cm HT.	wire basket	3/L13	
	PG	<i>Picea glauca</i>	White Spruce	4	250 cm HT.	wire basket	3/L13	
	PS	<i>Pinus strobus</i>	Eastern White Pine	4	250 cm HT.	wire basket	3/L13	

SHRUBS

	Am	<i>Aronia melanocarpa</i>	Black Chokeberry	35	3-gallon	potted	2/L13	
	Cs	<i>Cornus sericea</i>	Red Osier Dogwood	34	3-gallon	potted	2/L13	
	Ec	<i>Eleagnus commutata</i>	Wolf Willow / Silverberry	33	3-gallon	potted	2/L13	

GRASSES

	ag	<i>Andropogon gerardii</i>	Big Bluestem	88	3-gallon	potted	1/L13	Space at 75 cm on-center or as indicated.
--	----	----------------------------	--------------	----	----------	--------	-------	---

PERENNIALS

	amc	<i>Achillea millefolium 'Cerise Queen'</i>	Cerise Queen Yarrow	86	1-gallon	potted	1/L13	Space at 45 cm on-center or as indicated.
	abf	<i>Agastache foeniculum 'Blue Fortune'</i>	Blue Fortune Anise Hyssop	74	1-gallon	potted	1/L13	Space at 45 cm on-center or as indicated.
	alc	<i>Allium cernuum</i>	Nodding Onion	107	1-gallon	potted	1/L13	Space at 30 cm on-center or as indicated.
	ahu	<i>Amsonia hubrichtii</i>	Arkansas Bluestar	76	1-gallon	potted	1/L13	Space at 60 cm on-center or as indicated.
	pru	<i>Phlomis russelliana</i>	Turkish Sage	70	1-gallon	potted	1/L13	Space at 60 cm on-center or as indicated.
	sne	<i>Salvia nemorosa 'Blaukoenigin'</i>	Blue Queen Meadow Sage	80	1-gallon	potted	1/L13	Space at 45 cm on-center or as indicated.
	slb	<i>Symphotrichum lateriflorum 'Lady in Black'</i>	Lady in Black Calico Aster	74	1-gallon	potted	1/L13	Space at 45 cm on-center or as indicated.
	sng	<i>Symphotrichum novae-angliae 'Grape Crush'</i>	Grape Crush Aster	65	1-gallon	potted	1/L13	Space at 45 cm on-center or as indicated.

EPHEMERALS

	ah	<i>Allium hollandicum 'Purple Sensation'</i>	Purple Sensation Ornamental Onion	150	n/a	bulb	n/a	See plans.
	cs	<i>Camassia scilloides</i>	Wild Hyacinth, Atlantic Camas	150	n/a	bulb	n/a	See plans.
	nca	<i>Narcissus 'Carlton'</i>	Carlton Daffodil	150	n/a	bulb	n/a	See plans.

POLLINATOR MEADOW AREAS

DECIDUOUS TREES

	AG	<i>Acer grandidentatum</i> x <i>saccharum</i> 'Highland Park' (HIPZAM)	Highland Park Maple	12	70 mm CAL.	wire basket	3/L13	
	CA	<i>Cercis canadensis</i>	Redbud	3	70 mm CAL.	wire basket	3/L13	Straight species only Multi-stem min 3 stems
	PV	<i>Prunus virginiana</i>	Chokecherry	2	70 mm CAL.	wire basket	3/L13	Straight species only Multi-stem min 3 stems
	QM	<i>Quercus macrocarpa</i>	Bur Oak	3	70 mm CAL.	wire basket	3/L13	
	QP	<i>Quercus palustris</i>	Pin Oak	3	70 mm CAL.	wire basket	3/L13	

CONIFEROUS SHRUBS

	Jv	<i>Juniperus virginiana</i>	Eastern Red Cedar	7	200 cm HT.	wire basket	2/L13	
	Jvb	<i>Juniperus virginiana 'Blue Arrow'</i>	Blue Arrow Eastern Red Cedar	10	150 cm HT.	potted	2/L13	

SHRUBS

	Aa	<i>Amelanchier arborea</i>	Downy Serviceberry	16	5-gallon	potted	2/L13	Multi-stem minimum 3 stems
--	----	----------------------------	--------------------	----	----------	--------	-------	----------------------------

GRASSES

	ag	<i>Andropogon gerardii</i>	Big Bluestem	784	1-gallon	potted	1/L13	
	she	<i>Sporobolus heterolepis</i>	Prairie Dropseed	784	1-gallon	potted	1/L13	

PERENNIALS

	amp	<i>Achillea millefolium 'Paprika'</i>	Paprika Yarrow	120	1-gallon	potted	1/L13	
	alc	<i>Allium cernuum</i>	Nodding Onion	120	1-gallon	potted	1/L13	
	aqc	<i>Aquilegia canadensis</i>	Wild Columbine	120	1-gallon	potted	1/L13	
	atu	<i>Asclepias tuberosa</i>	Butterfly Milkweed	120	1-gallon	potted	1/L13	
	cac	<i>Castilleja coccinea</i>	Indian Paintbrush	120	1-gallon	potted	1/L13	
	ehd	<i>Echinacea pallida 'Hula Dancer'</i>	Hula Dancer Pale Purple Coneflower	120	1-gallon	potted	1/L13	
	hau	<i>Helenium autumnale</i>	Marsh Sneezeweed	120	1-gallon	potted	1/L13	
	mdi	<i>Monarda didyma</i>	Red Bee Balm	120	1-gallon	potted	1/L13	
	rha	<i>Rhus aromatica</i>	Fragrant Sumac	120	1-gallon	potted	1/L13	shrub to be planted/spaced as perennial
	rbl	<i>Rosa blanda</i>	Early Wild Rose	120	1-gallon	potted	1/L13	shrub to be planted/spaced as perennial
	rtr	<i>Rudbeckia triloba</i>	Three Lobed Coneflower	120	1-gallon	potted	1/L13	
	sla	<i>Silphium laciniatum</i>	Compassplant	120	1-gallon	potted	1/L13	
	slb	<i>Symphotrichum lateriflorum 'Lady in Black'</i>	Lady in Black Calico Aster	120	1-gallon	potted	1/L13	

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01	2024-11-08	PRELIMINARY		JC	--
NO	YYYY-MM-DD	REVISION		DN	CH



CENTENNIAL PARK
FIFA - EAST VSTS
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3

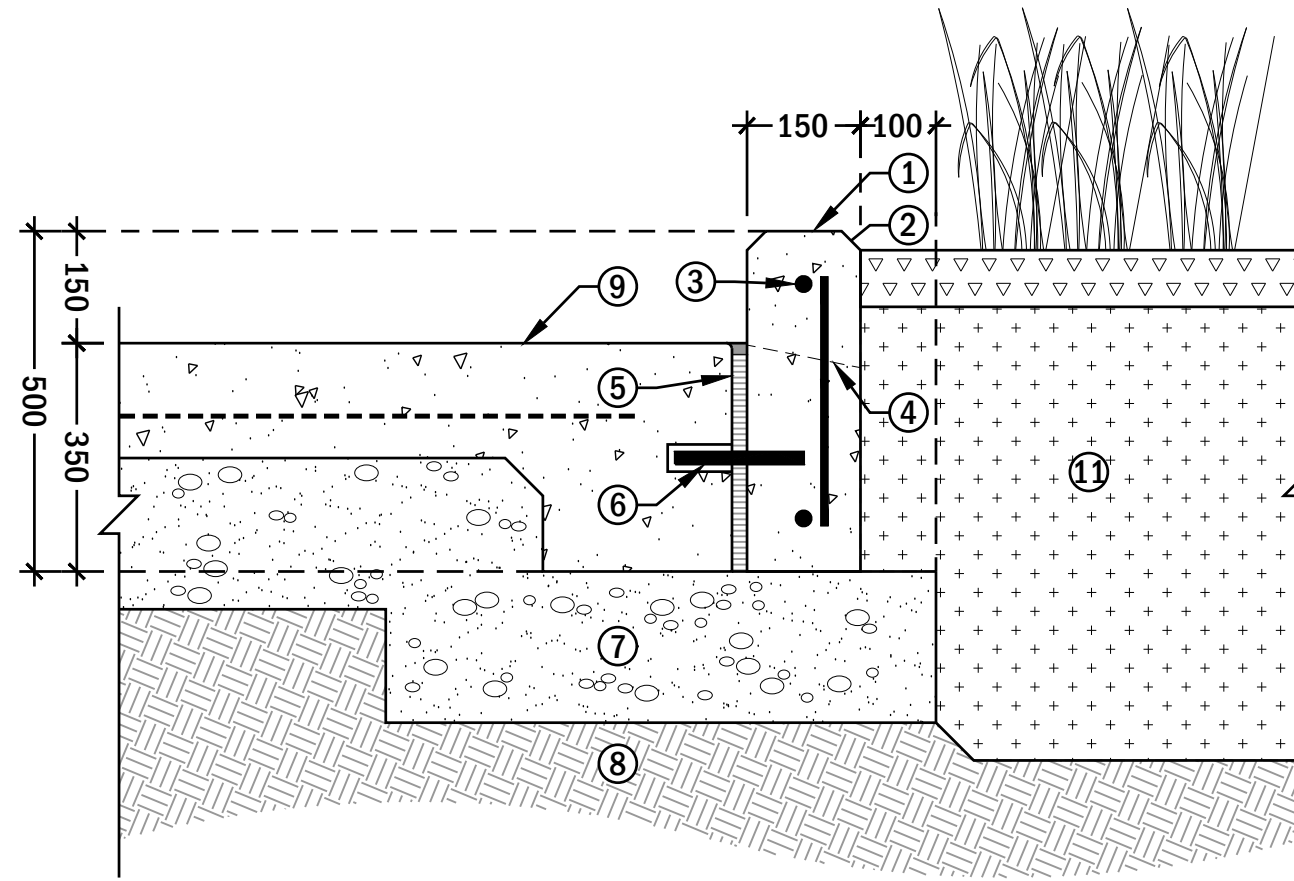


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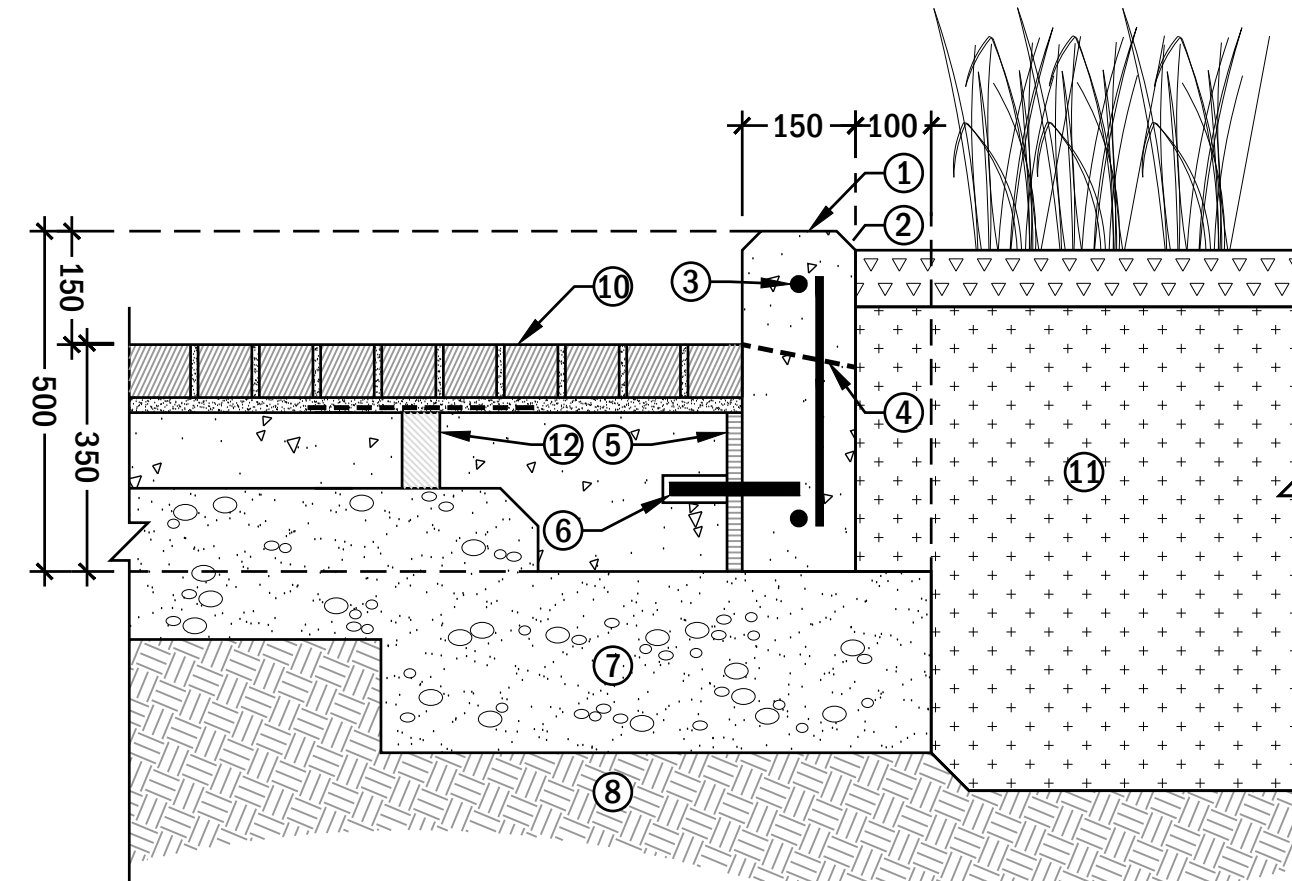
L7B

PLANTING LEGEND

THIS DRAWING
CONTAINS
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INFORMATION



BETWEEN CONCRETE AND PLANTING BED

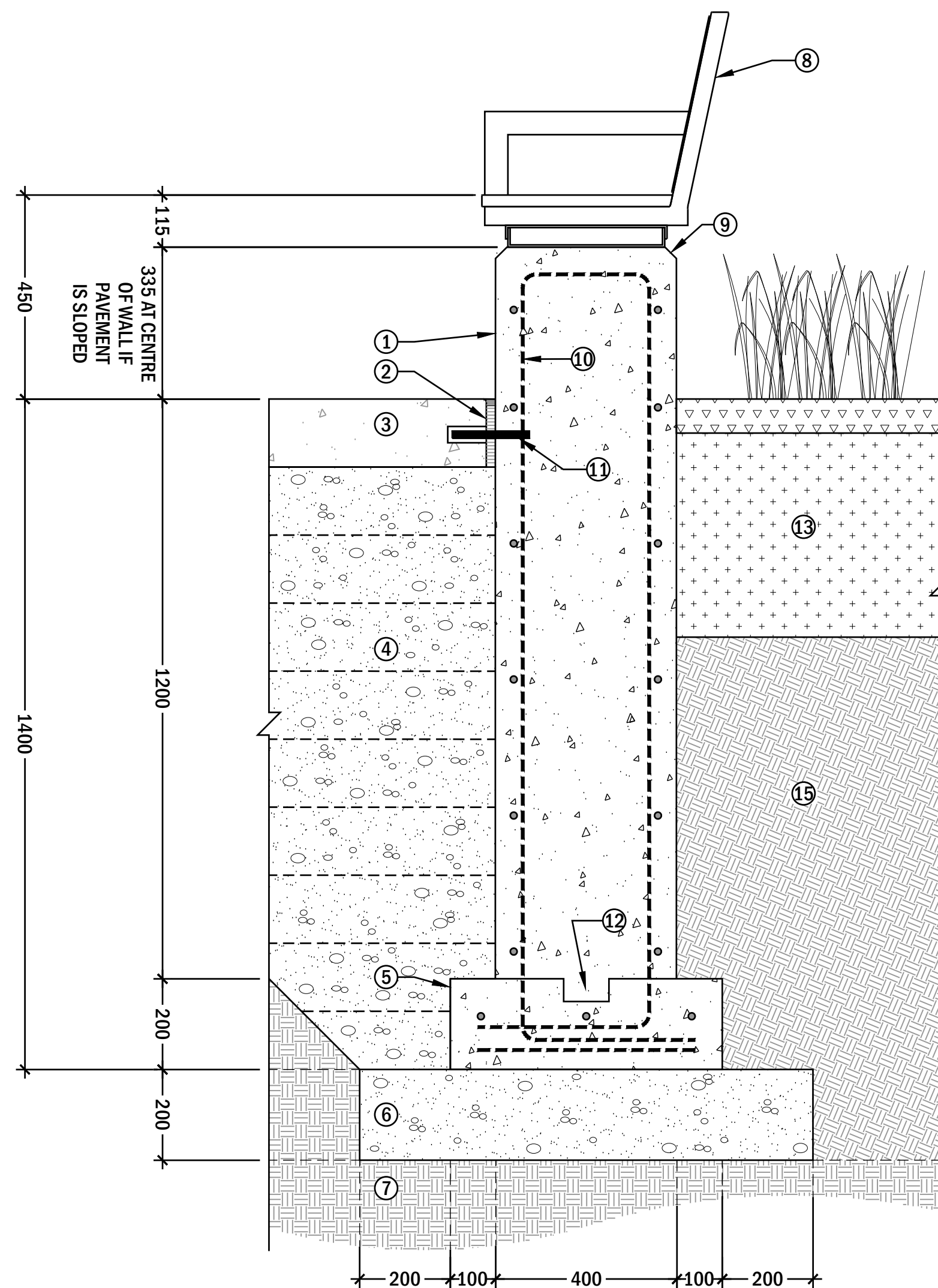


BETWEEN UNIT PAVERS AND PLANTING BED

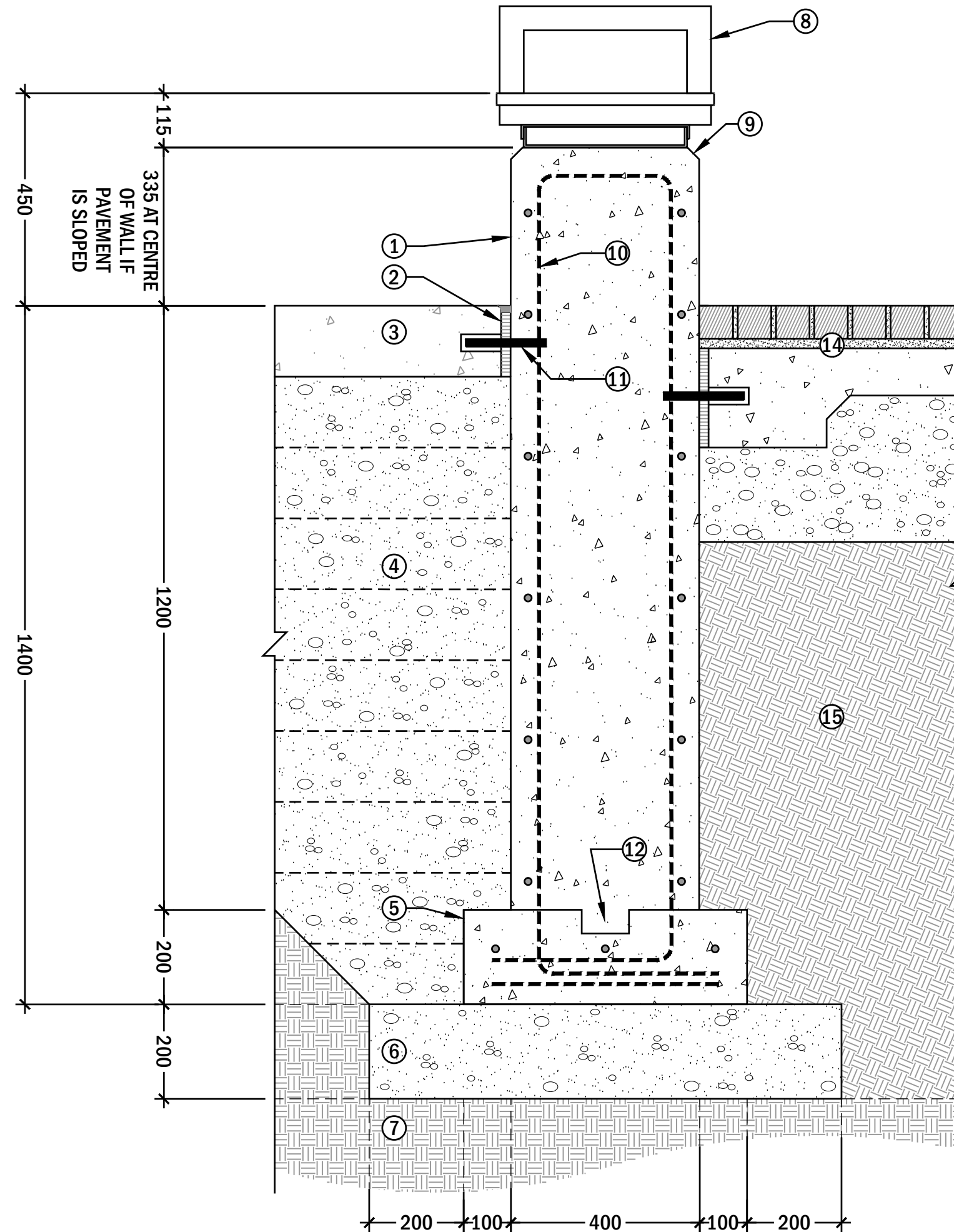
- 1 CONCRETE PLANTER EDGE: TROWEL FINISH TOP, FORM FINISH VERTICAL FACES
- 2 25 mm CHAMFER
- 3 REINFORCING: TWO 10m REINFORCING BARS CONTINUOUS C/W 600mm LAP; VERTICAL 10m BARS EVERY 300mm
- 4 CURB DEPRESSION, WHERE INDICATED; 30mm FALL, FRONT-TO-BACK
- 5 EXPANSION JOINT
- 6 SLEEVED DOWEL: USE PURPOSE-MADE PRODUCT SUCH AS SPEE-D DOWEL BY SIKA; SPACE @ 750 UNLESS INDICATES OTHERWISE
- 7 200mm DEPTH GRANULAR 'A' BASE COMPACTED TO 100% S.P.M.D.D.-TYPICAL
- 8 COMPACTED SUB-GRADE
- 9 ADJACENT CONCRETE PAVEMENT
- 10 ADJACENT UNIT PAVERS ON CONCRETE BASE
- 11 ADJACENT PLANTING BED: REFER TO SOIL PROVISION PLAN AND LAYOUT AND GRADING PLAN
- 12 50mm WEEP HOLE: MIN. 2000mm SPACING THROUGHOUT PLUS EVERY 1000mm at 400mm FROM LOW EDGE

1 RAISED CONCRETE EDGING AT GARDEN BEDS

SCALE 1:10 (METRIC)



WALL "A"



WALL "B"

- 1 REINFORCED CONCRETE WALL: TROWEL FINISH EXPOSED TOP, FORM FINISH OTHER EXPOSED FACES-MIN. 32 MPa COMPRESSIVE STRENGTH; AS SPECIFIED
- 2 DOWELLED EXPANSION JOINT DETAILED ELSEWHERE
- 3 PAVEMENT DETAILED ELSEWHERE; THICKENED EDGE MAY BE OMITTED
- 4 BACKFILL EXCAVATION WITH GRANULAR 'A'; COMPACT TO 100% SPMDD IN MAX. 150 LIFTS
- 5 CONCRETE FOOTING- MIN. 32 MPa COMPRESSIVE STRENGTH; AS SPECIFIED
- 6 200 THICK GRANULAR 'A' BASE COMPACTED TO 100% SPMDD
- 7 COMPACTED SUBGRADE- COMPACTED TO 100% S.P.M.D.D. TO A DEPTH OF 300mm BENEATH NEW PAVEMENT
- 8 SEAT WALL TOPPER AS SPECIFIED; INSTALL WHERE INDICATED PER MANUFACTURER'S INSTRUCTIONS
- 9 10 mm CHAMFER ON EXPOSED VERTICAL AND HORIZONTAL EDGES
- 10 10 m REINFORCING BARS AT 300MM SPACING BOTH WAYS; ALTERNATE BENDS INTO FOOTING; 600MM MINIMUM GAP
- 11 DOWELLED JOINT USE SPEE-D DOWEL OR SIMILAR, 200mm MINIMUM- DOWELED JOINT DETAILED ELSEWHERE
- 12 100x50 (NOMINAL) KEY
- 13 ADJACENT PLANTING BED
- 14 ADJACENT UNIT PAVERS ON CONCRETE BASE
- 15 UNDISTURBED SUBGRADE- IF EXCAVATED, BACKFILL AS IN NOTE #4

2 CONCRETE SEAT WALL WITH SEAT TOPPER

SCALE = 1:10 (METRIC)

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NO	YYYY-MM-DD	REVISION	DN	CH



**CENTENNIAL PARK
FIFA - EAST VSTS**
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3



VFA Project: 2309

LANDSCAPE
DETAILS 2

L9

sheet date: 08/24 13:46:00

1 DECORATIVE PARK BENCH
WITH SEAT BACK AND 1 MIDDLE & 1 END ARMRESTS

2 SEAT WALL TOPPER
4 CONFIGURATIONS WITH VARYING SEAT BACKS AND ARMRESTS

NOTES:
- "STANDARD" COLOUR TO BE MANUFACTURERS STANDARD "GUNMETAL" COLOUR
- "CUSTOM" COLOUR TO BE CUSTOM RAL COLOUR TO BE CONFIRMED- SLATS TO BE THERMALLY MODIFIED ASH WOOD.
- EMBED ANCHORS TO DEPTH REQUIRED TO ENSURE NO MORE THAN 2 THREADS EXPOSED ABOVE NUT.
CUTTING ANCHOR IS NOT ACCEPTABLE

NOTES:
- INSTALL VARIOUS CONFIGURATIONS AS /WHERE NOTED ON PLANS.
- FRAME TO BE MANUFACTURERS STANDARD "GUNMETAL" COLOUR.
- SLATS TO BE THERMALLY MODIFIED ASH WOOD.

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LANDSCAPE ARCHITECTS
102-112 Spadina Avenue, Toronto, Ontario M5T 2S2
info@victorford.ca

OGM1900-SS6-WFB

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

OGM1900-CA1

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

OGM1900-MS4

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

ELEV. VIEW: BACKLESS W/ CA1 AND MS4

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

OGM1900-SS6-WFB

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

OGM1900-MS4

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

ELEV. VIEW: BACKLESS W/ MS4

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

MAGLIN

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DATE: 12/14/2023
SHEET: 3 OF 3

MAGLIN

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DATE: 12/14/2023
SHEET: 3 OF 3

MODEL: OGM 1900-196746- BACKLESS C/W CENTER- ARMREST

MODEL: OGM 1900-196748- BACKLESS W/ NO ARMREST

OGM1900-B1-SS6-WFB

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

OGM1900-BCA1

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

OGM1900-MS1

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

ELEV. VIEW: BACKED W/ BCA1 AND MS1

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

OGM1900-B1-SS6-WFB

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

OGM1900-MS4

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

ELEV. VIEW: BACKED W/ BCA1 AND MS4

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

OGM1900-BCA1

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

ELEV. VIEW: BACKED W/ MS4

NAME	DIMENSION
A	N/A
B	N/A
R-1	N/A
R-2	N/A

MAGLIN

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DATE: 12/14/2023
SHEET: 3 OF 3

MAGLIN

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DATE: 12/14/2023
SHEET: 3 OF 3

MODEL: OGM 1900-196749- WITH RAISED BACK AND CENTER ARMREST

MODEL: OGM 1900-196750- WITH RAISED BACK AND NO ARM REST

04	2024-12-18	ISSUED FOR ADDENDUM #1	ED	JC
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02	2024-11-13	PRELIMINARY	EKA	JC
01	2024-11-08	PRELIMINARY	JC	--

NO	YYYY-MM-DD	REVISION	DN	CH
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CENTENNIAL PARK
FIFA - EAST VSTS
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3



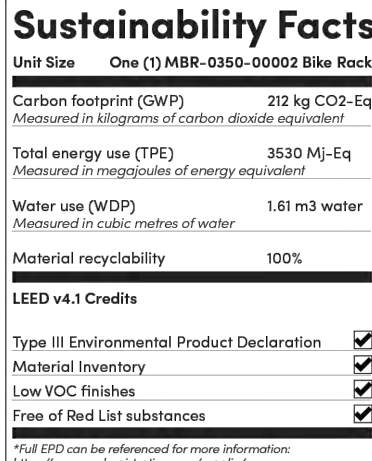
VFA Project: 2309

L10

LANDSCAPE
DETAILS 3

sheet date (08/24 13:16:50)

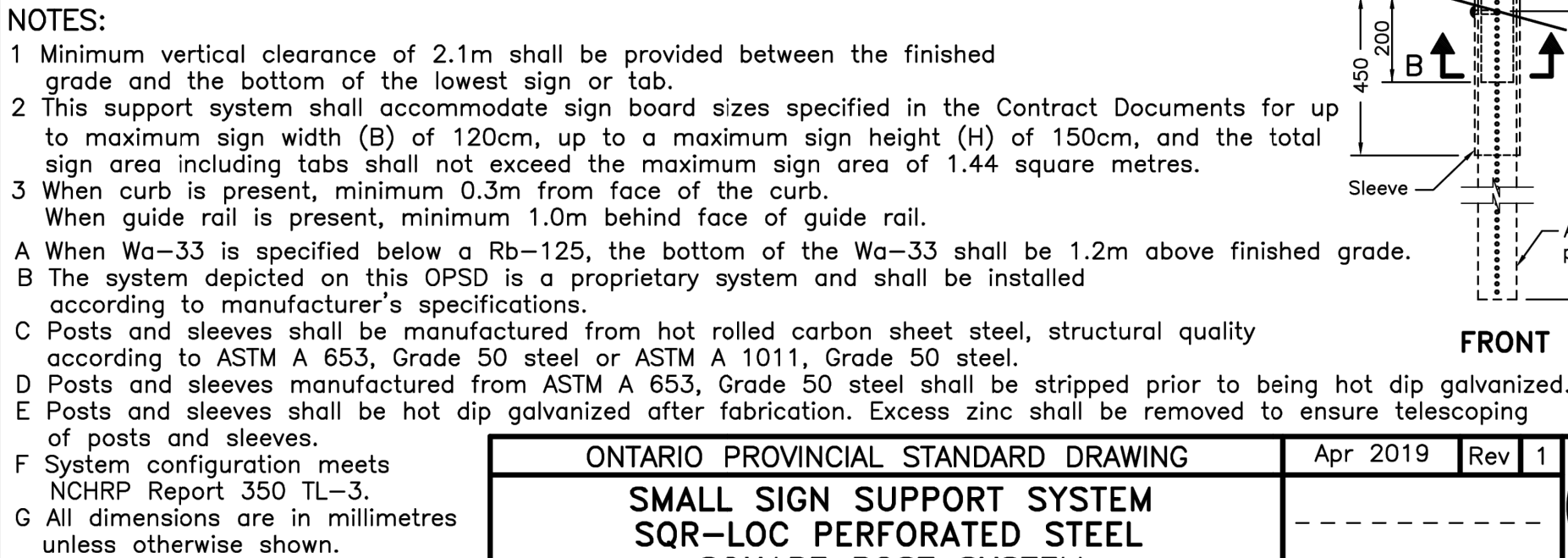
MBR-0350-00002
Legacy # MBR350-5-S



HEIGHT: 23.81" (60.48cm) LENGTH: 48.25" (122.56cm) DIAMETER: 24.63" (62.56cm) WEIGHT: 78.6lbs (35.65kg)

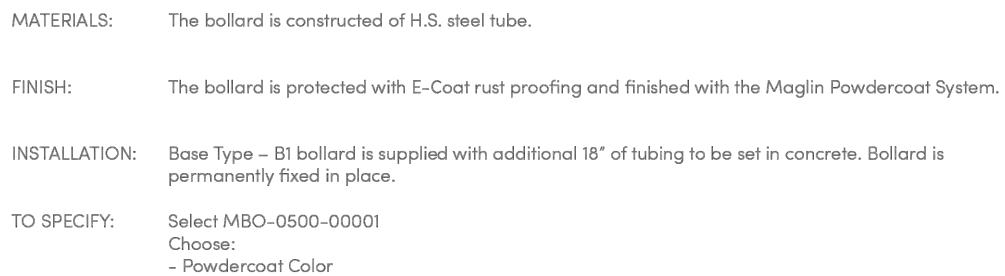


NOTES:
- CONFIRM LOCATION IN THE FIELD.
- INSTALL OWNER-SUPPLIED SIGNS AS SPECIFIED, UP TO 2 PER POST LOCATION.



NOTES:
- CONFIRM LOCATION IN THE FIELD.
- INSTALL OWNER-SUPPLIED SIGNS AS SPECIFIED, UP TO 2 PER POST LOCATION.

MBO-0500-00001
Héritage # MTB500-B1



NOTES:

1. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL.
2. ALL METAL SHALL BE NEW, HOT DIPPED GALVANIZED STEEL AFTER WELDING. REMOVE ALL SPATTER AND MAKE SMOOTH PRIOR TO GALVANIZING.
3. PROVIDE 10mm DIA WEEP HOLES ON ARMS FOR VENTILATION AS REQUIRED.
4. CONTRACTORS TO INCLUDE IN THEIR PRICE FOR REQUIRED EXCAVATIONS AND DISPOSAL.
5. DIMENSIONS IN MILLIMETERS UNLESS SHOWN OTHERWISE.

100mm \pm 0.0 SLEEVE
125 HSS SCH. 40 PIPE

63mm \pm 0.0 ARM
125 HSS SCH. 40 PIPE
CONTINUOUS BENT PIPE

1400

1200 CLEAR

HOLE & SAFETY SLEEVE
FOR LOCKING PIN
ON ALL 4 SIDES

PITCH TOP OF CONCRETE
FOOTING SLIGHTLY TO DRAIN
AWAY FROM PIPE

87mm (3 $\frac{1}{2}$) \pm 0.0 POST
125 HSS SCH. 40 PIPE

150mm LONG X 20mm DIA KEY
TYP.

ASSURED CONCRETE FOOTING
USE SONDURGE FOR TOP 600mm
CONCRETE COMPRESSIVE
STRENGTH 20MPa @ 28 DAYS
5% TO BE AIR ENTRAINED

SUBGRADE
COMPACT TO BBS SPINDO

PAZLOCK THROUGH PIN
(BY CITY)

CONCRETE FOOTING

100mm \pm 0.0 SLEEVE
87mm (3 $\frac{1}{2}$) \pm 0.0 POST

HOLE IN POST ON ALL 4
SIDES FOR LOCKING GATE
INTO "OPEN" OR "CLOSED"
POSITION

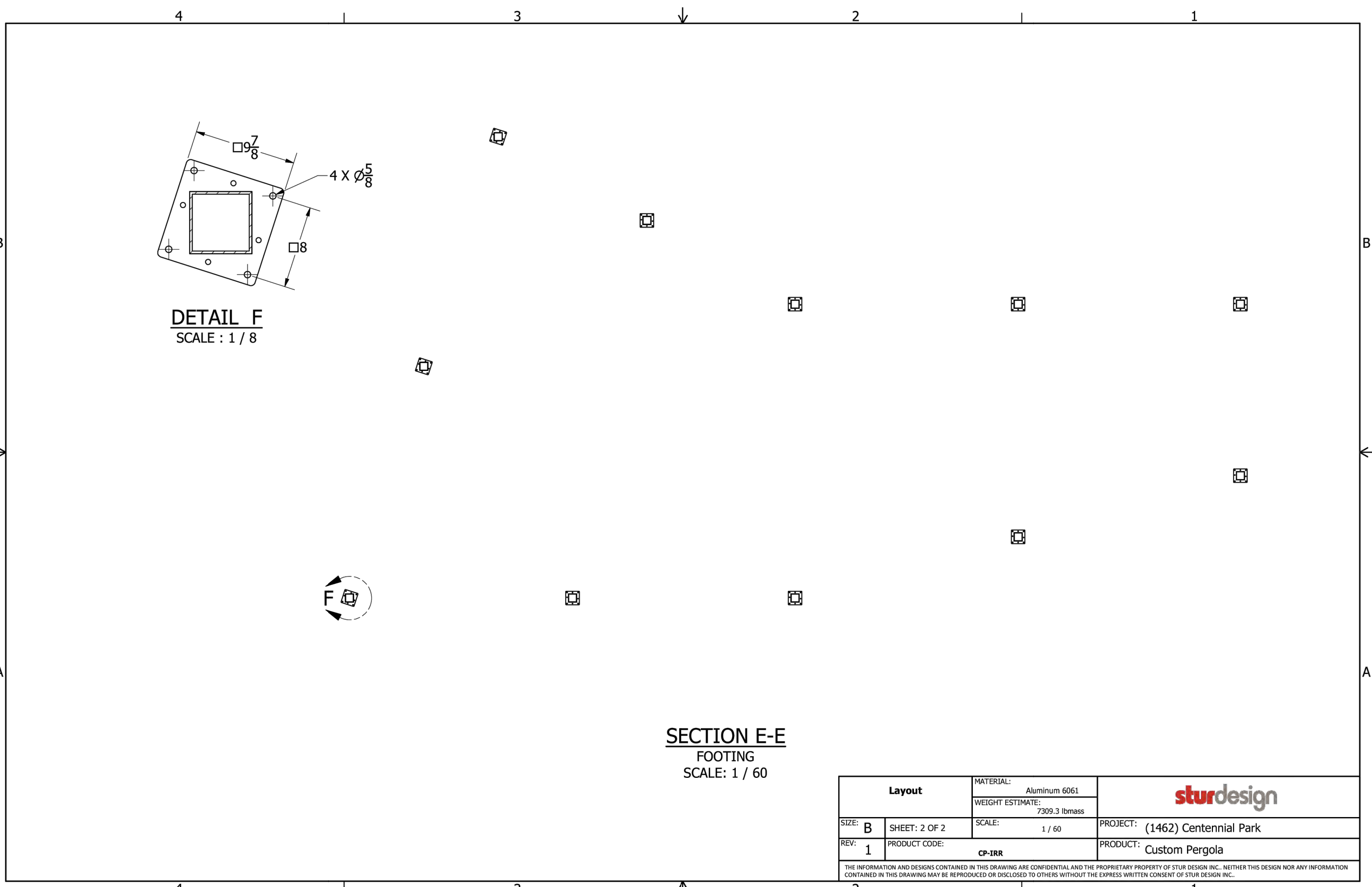
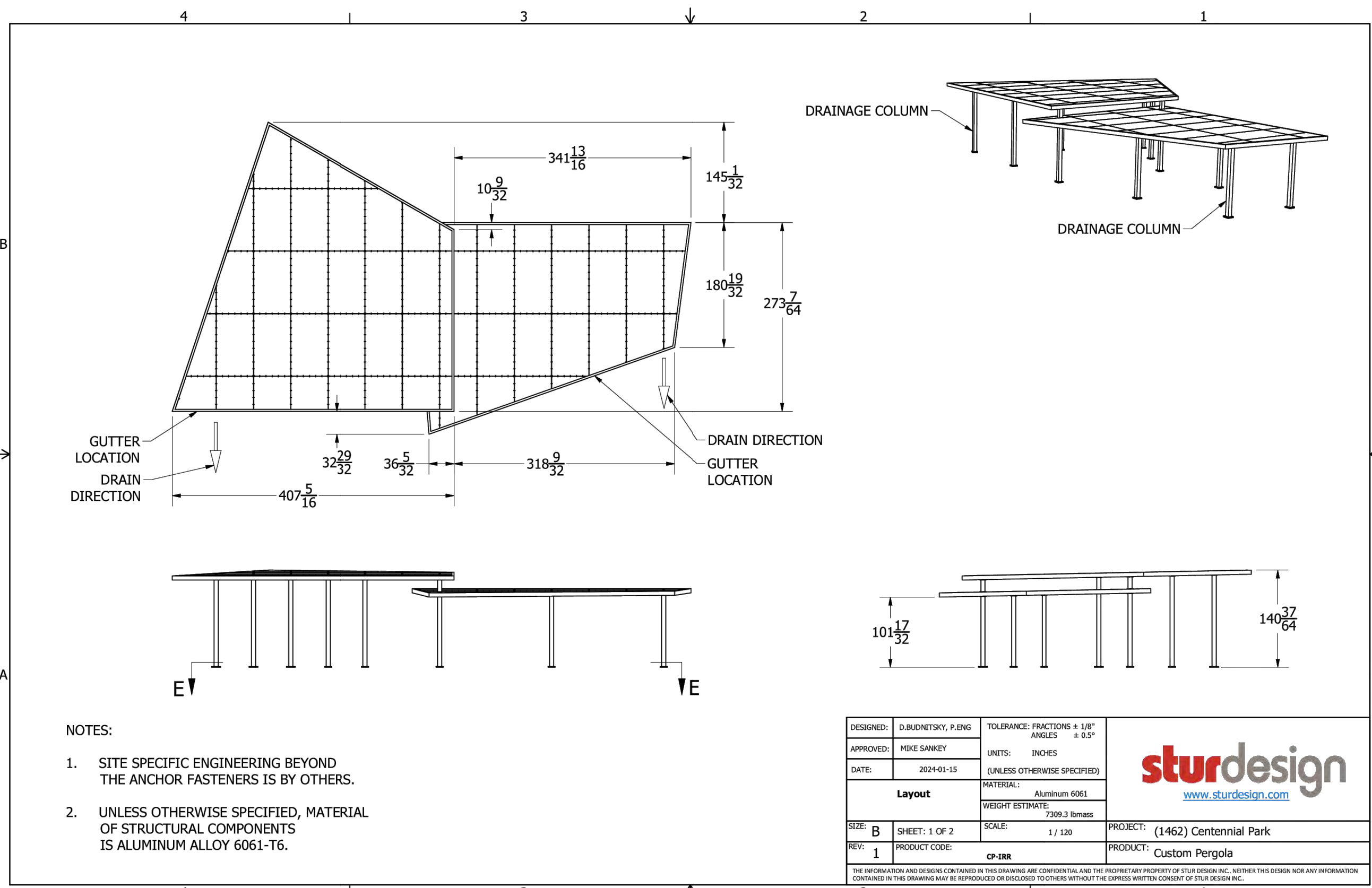
LOCKING PIN THROUGH HOLE

CHAIN WELDED TO POST AND PIN CAP
LENGTH TO ALLOW FOR PIN TO BE EASILY
MANEUVERED

PLAN VIEW

P-GATES (1 PAIR)
Galvanized Steel

FILE NO. PROJECT NO.
2019
TORONTO
TO-ACAD
MET-01




1 SHADE SHELTER "A" CUSTOM DESIGN


CHERIE NG ARCHITECT INC.
www.cherienng.com
t. 416.898.1979

VFA
VICTOR FORD & ASSOCIATES INC.
LANDSCAPE ARCHITECTS
322-152 Spadina Avenue, Toronto, Ontario M5T 2C2
info@victorford.ca

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02	2024-11-13	PRELIMINARY	EKA	JC
01	2024-11-08	PRELIMINARY	JC	...
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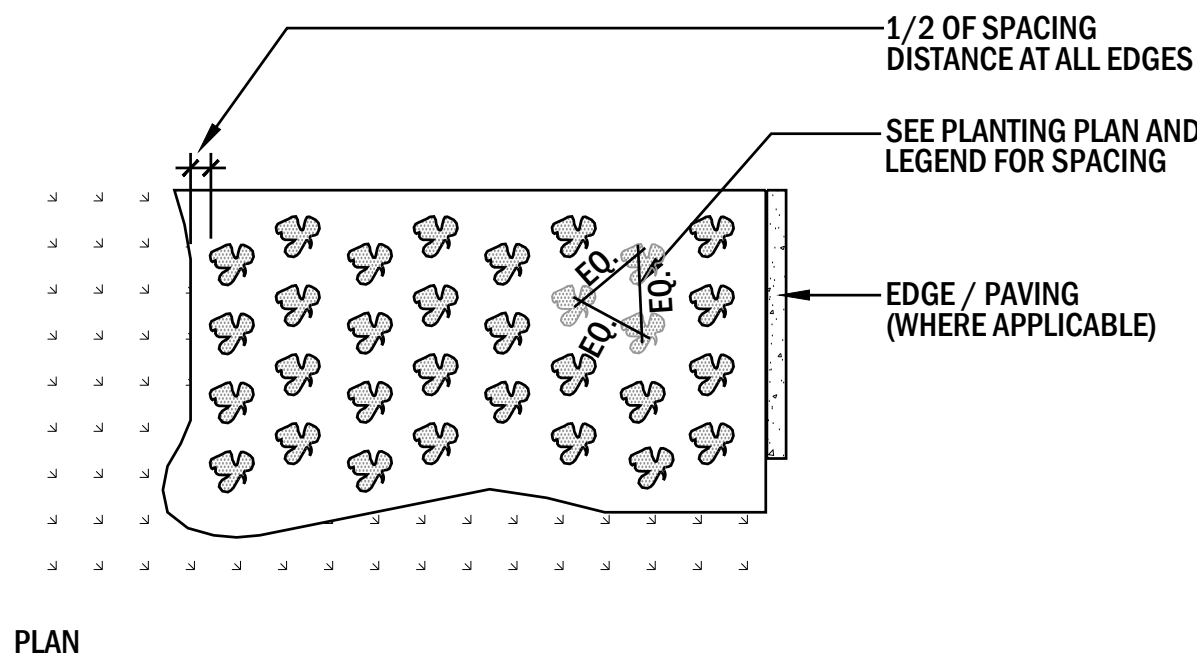


Toronto Parks, Forestry and Recreation

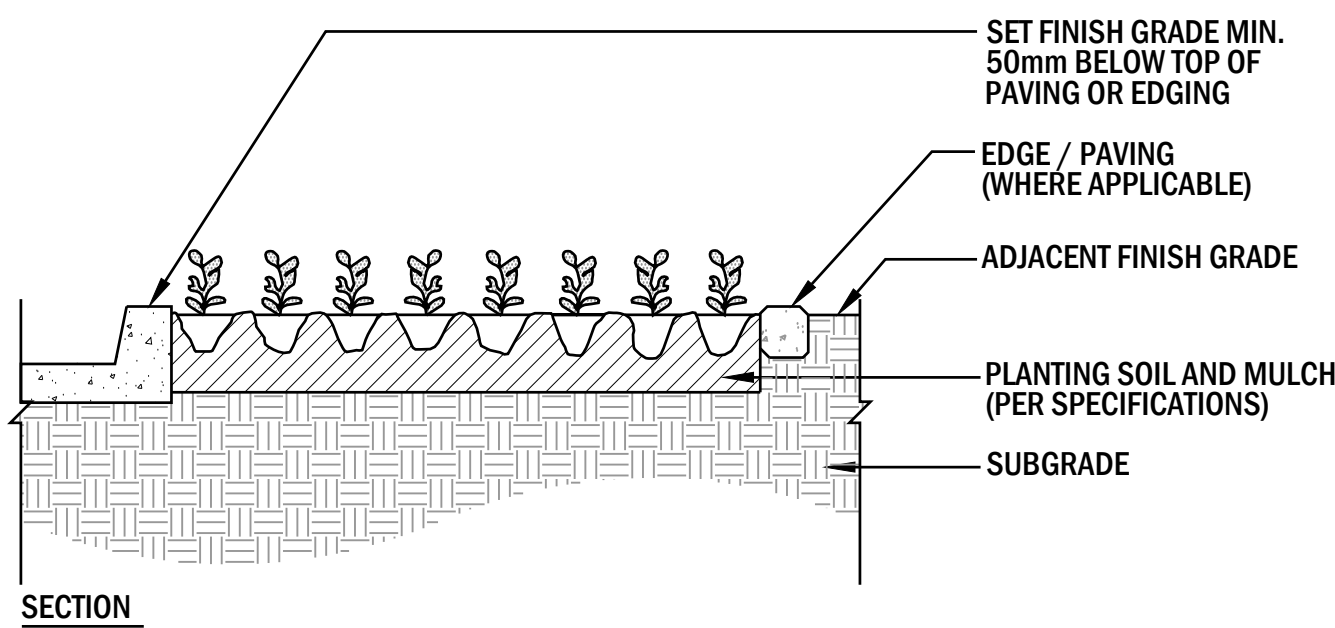
VFA Project: 2309

L12

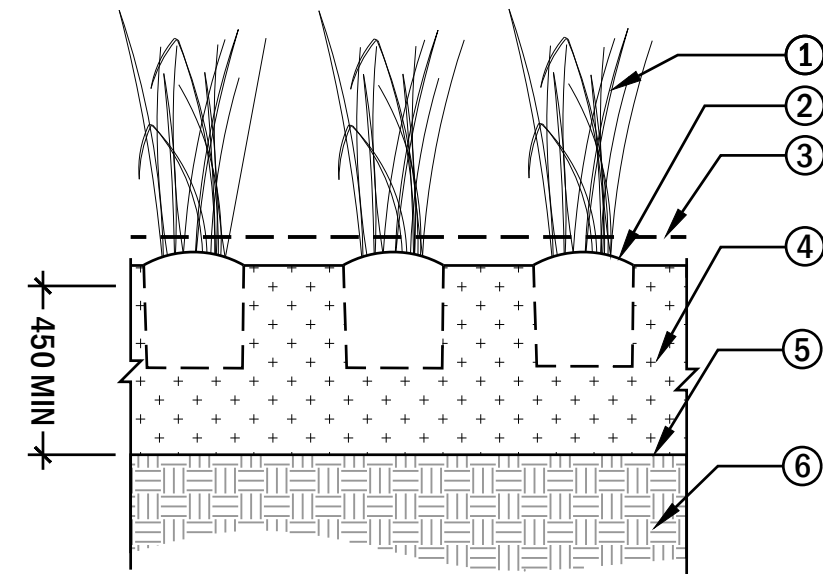
LANDSCAPE
DETAILS 5



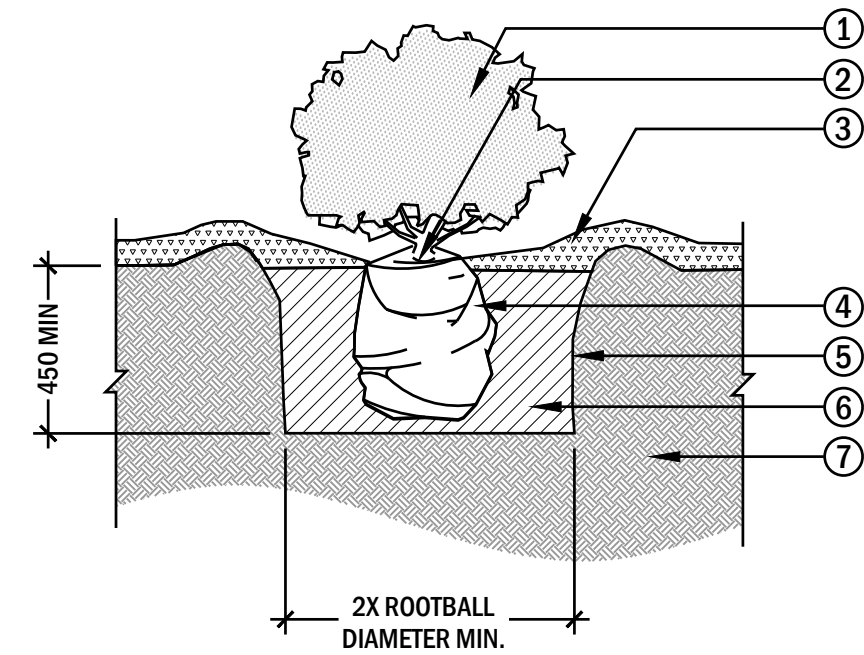
PLAN



SECTION

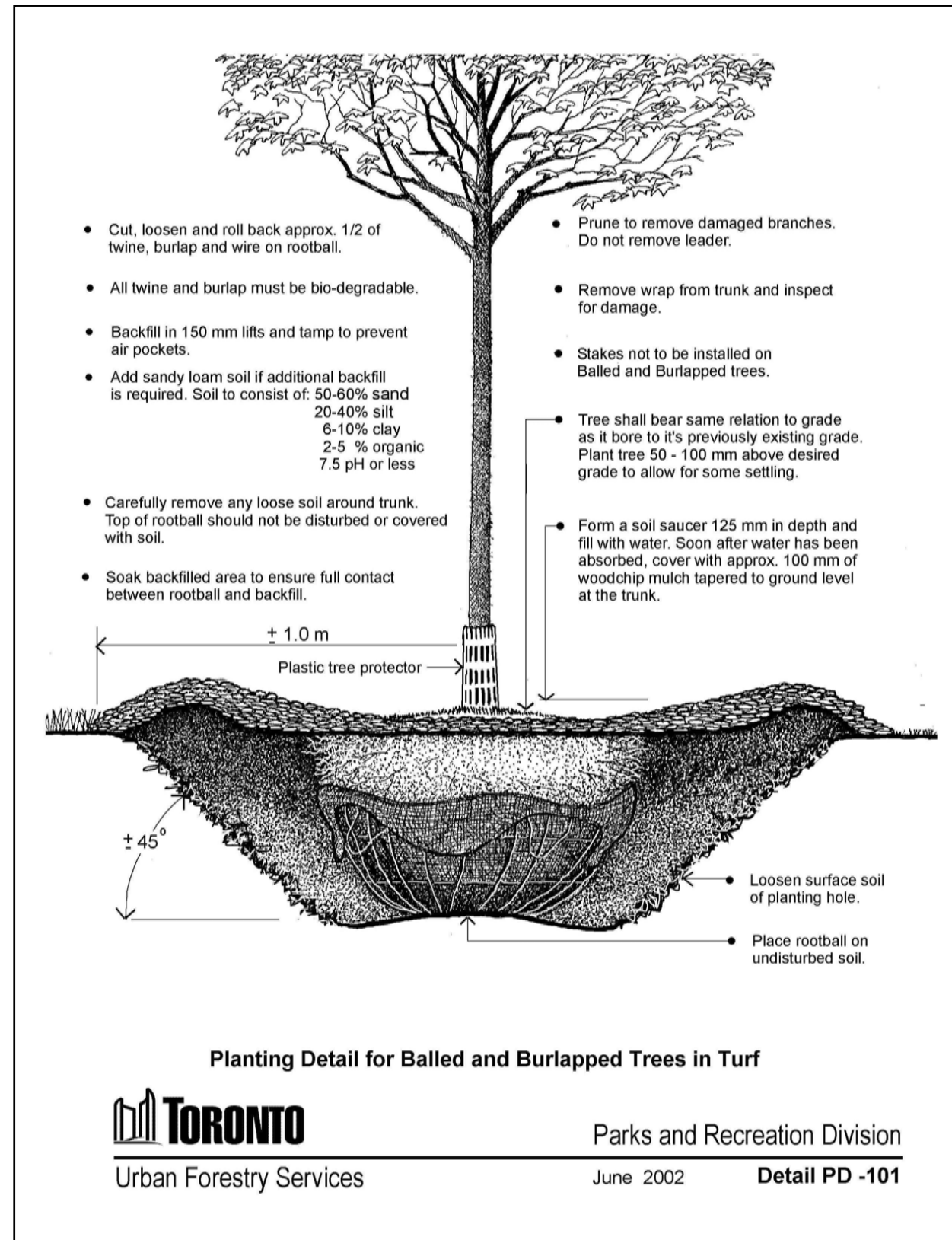


- 1 PERENNIAL
- 2 PLANT CROWN TO SIT SLIGHTLY ABOVE FINISH GRADE
- 3 75mm SETTLED DEPTH SHREDDED PINE BARK MULCH - KEEP 30mm AWAY FROM STEMS
- 4 PLANTING SOIL AS PER SPECIFICATIONS TO 450mm DEPTH MIN
- 5 SCARIFY PIT BOTTOM AND SIDES TO A DEPTH OF 15mm PRIOR TO PLANTING
- 6 EXISTING UNDISTURBED SUB-GRADE



- 1 SHRUB
- 2 SHRUB CROWN TO SIT 25mm ABOVE FINISH GRADE
- 3 75mm SETTLED DEPTH OF MULCH SAUCER - SHAPE SOIL BELOW TO MATCH SAUCER PROFILE
- 4 ROOT BALL CUT AND REMOVE TOP 1/3 OF BURLAP OR REMOVE ENTIRE PLASTIC OR FIBRE POT, AS APPLICABLE
- 5 SCARIFY SIDES AND BOTTOM OF PIT AS PER SPECIFICATIONS PRIOR TO PLANTING
- 6 PLANTING SOIL AS PER SPECIFICATIONS TO 450mm DEPTH MIN.
- 7 UNDISTURBED SUBGRADE

NOTES:
- THIS DETAIL DOES NOT REPRESENT ANY PARTICULAR SPECIES.
- ALL TWINE AND BURLAP SHALL BE BIO-DEGRADABLE.
- BACKFILL IN 150mm LIFTS AND TAMP TO ELIMINATE AIR POCKETS.
- CAREFULLY REMOVE ANY LOOSE SOIL AROUND COLLAR. TOP OF ROOT BALL SHOULD NOT BE DISTURBED OR COVERED WITH SOIL.
- SOAK BACKFILLED AREA TO ENSURE FULL CONTACT BETWEEN ROOT BALL AND BACKFILL.
- FILL SOIL SAUCER WITH WATER. SOON AFTER WATER HAS BEEN ABSORBED, COVER WITH SPECIFIED MULCH, TAPERED TO GROUND LEVEL AT THE TRUNK.
- PRUNE TO REMOVE ANY DAMAGED OR OBJECTIONABLE BRANCHES IN ACCORDANCE WITH ACCEPTED HORTICULTURAL PRACTICE. DO NOT PRUNE LEADERS.
- REMOVE ALL PLANT TAGS FROM PLANT MATERIALS AFTER ACCEPTANCE.



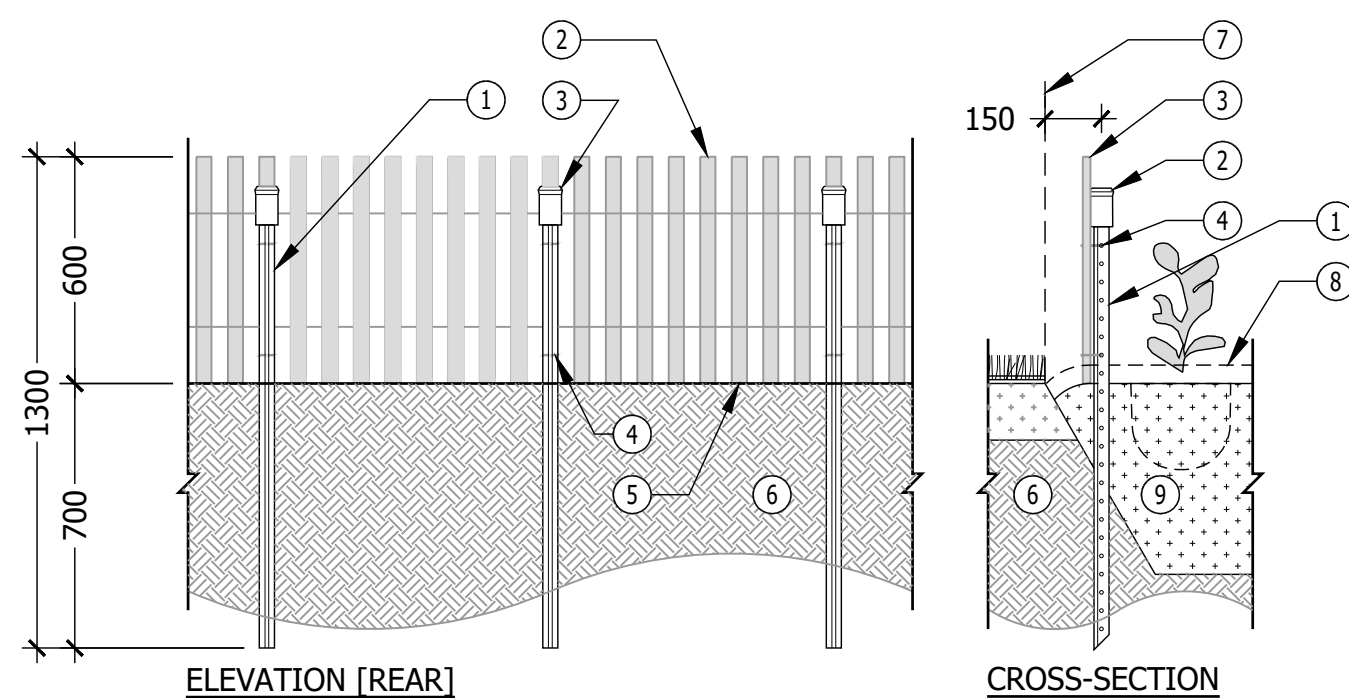
1 PERENNIAL PLANTING/ SPACING

SCALE = 1:10 (METRIC)

2 SHRUB PLANTING TYPICAL

SCALE = 1:20 (METRIC)

3 TREE PLANTING CITY OF TORONTO DETAIL PD-101



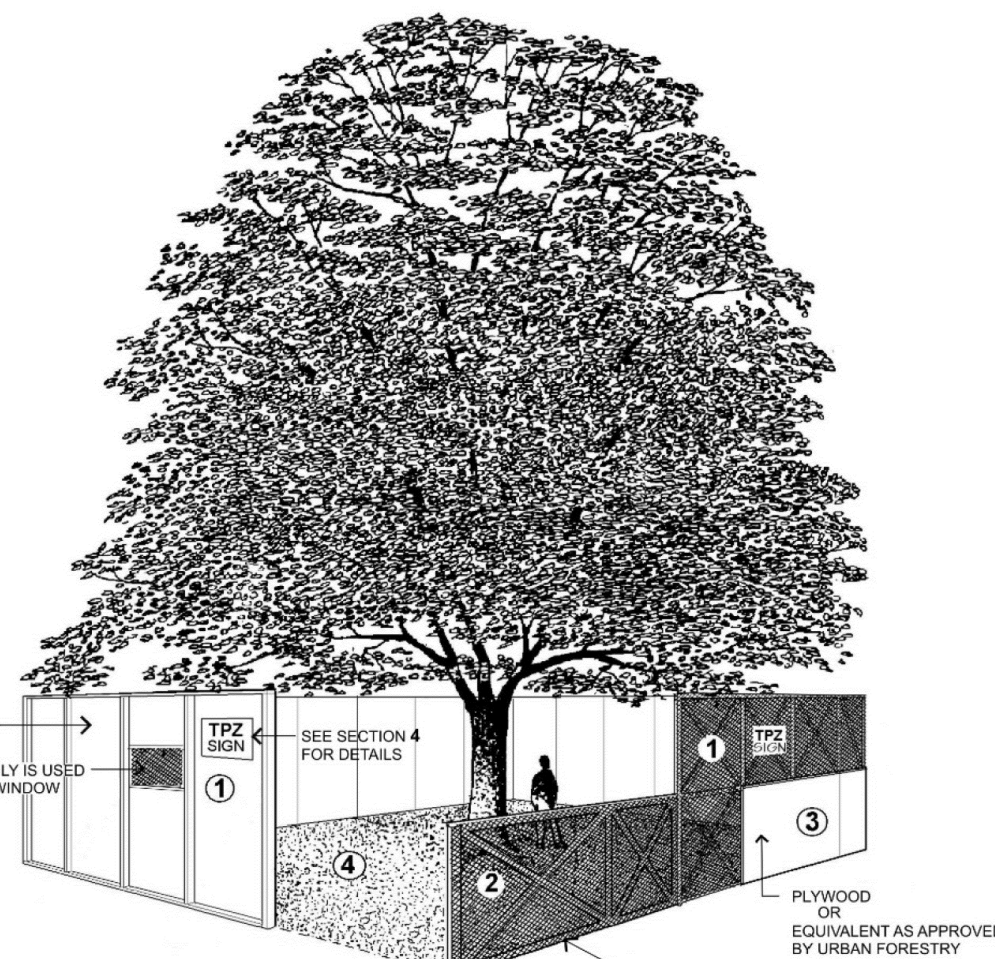
- 1 1200 LONG T-BAR FENCE POST; LIGHT-DUTY (GREEN) WITH PERFORATIONS; ENSURE POST IS FIRMLY BEDDED INTO SUB-GRADE BELOW PLANTING SOIL OR TOPSOIL
- 2 "STAKESAFE" STAKE PROTECTOR
- 3 600 HIGH WOOD SLAT SNOW FENCE; UNTREATED CEDAR WOOD; MIN. 2 ROWS OF 13 GAUGE WIRE
- 4 FASTEN FENCING TIGHTLY TO POST WITH NYLON CABLE TIES (BLACK, UV STABLE, 50 LB STRENGTH); FEED TIE THROUGH PERFORATIONS; MIN. 2 PER POST; CUT OFF EXCESS
- 5 BOTTOM OF SNOW FENCE TO SIT DIRECTLY ON FINISH GRADE OF FIRM SURFACE (ie SOIL) WITH NO GAP
- 6 EXISTING SUBGRADE
- 7 EDGE OF LAWN/PLANTING BED AS ILLUSTRATED ON PLAN (OR HARDSCAPE EDGE IF APPLICABLE)
- 8 MULCH LAYER
- 9 PLANTING BED

NOTES:
-COORDINATE WITH IRRIGATION AND SUB-DRAINAGE INSTALLATION TO ENSURE NO CONFLICTS.

4 PLANTING AREA PROTECTION FENCE NON-PERMANENT

SCALE = 1:20 (METRIC)

5 TREE PROTECTION FENCE from "Tree Protection Policy and Specifications for Construction Near Trees," published by Toronto Parks, Forestry and Recreation, July 2016



Tree Protection Barriers

- 1 Tree protection barriers must be constructed with a solid wood frame clad with plywood or approved equivalent. Height of hoarding may be less than 8 ft. to accommodate any branches that may be lower.
- 2 Tree protection barriers for trees situated on the City road allowance where visibility must be maintained can be 1.2m (4ft.) high and consist of orange plastic web snow fencing on a wood frame made of 2 x 4s.
- 3 Where some excavate or fill has to be temporarily located near a tree protection barrier, plywood must be used to ensure no material enters the Tree Protection Zone.
- 4 No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the Tree Protection Zone.

NOTE:
Sediment control fencing shall be installed in locations indicated in an Urban Forestry approved Tree Protection Plan. The sediment control fencing must be installed to Ontario Provincial Standards (OPSD-219.130) heavy duty silt fence barrier and to the satisfaction of Urban Forestry. See Detail TP-2



Parks, Forestry and Recreation

Urban Forestry

February 2016

Detail TP-1

6 TREE PROTECTION PLAN NOTES from "Tree Protection Policy and Specifications for Construction Near Trees," published by Toronto Parks, Forestry and Recreation, July 2016



Tree Protection Zone (TPZ)

All construction related activities, including grade alteration, excavation, soil compaction, any materials or equipment storage, disposal of liquid and vehicular traffic are NOT permitted within this TPZ.

This tree protection barrier must remain in good condition and must not be removed or altered without authorization of City of Toronto, Urban Forestry.

Concerns or inquiries regarding this TPZ can be directed to: 311 or 311@toronto.ca

Sign must be mounted on all sides of a tree protection barrier for trees protected by the Street Tree By-law and the Private Tree By-law. The sign should be a minimum of 40cm x 60cm and made of white corrugated plastic board or equivalent material. The sign may also be acquired from Urban Forestry Tree Protection and Plan Review (TPPR) district service counters.

7 TREE PROTECTION SIGN from "Tree Protection Policy and Specifications for Construction Near Trees," published by Toronto Parks, Forestry and Recreation, July 2016

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vfa@victorford.ca

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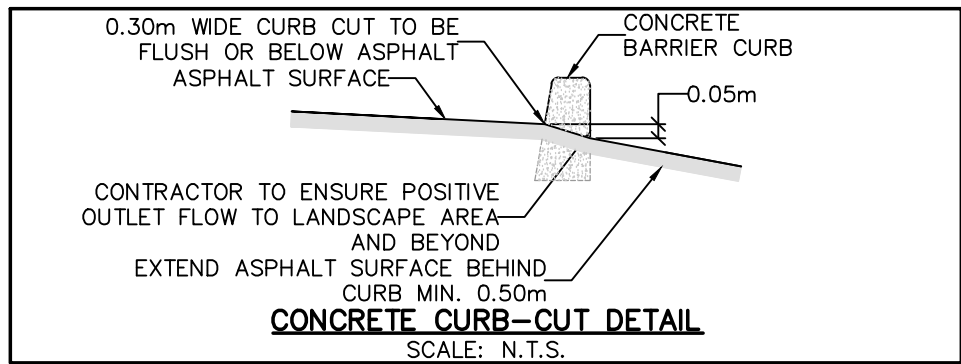
Toronto Parks, Forestry and Recreation

VFA Project: 2309

L13

LANDSCAPE
DETAILS 6

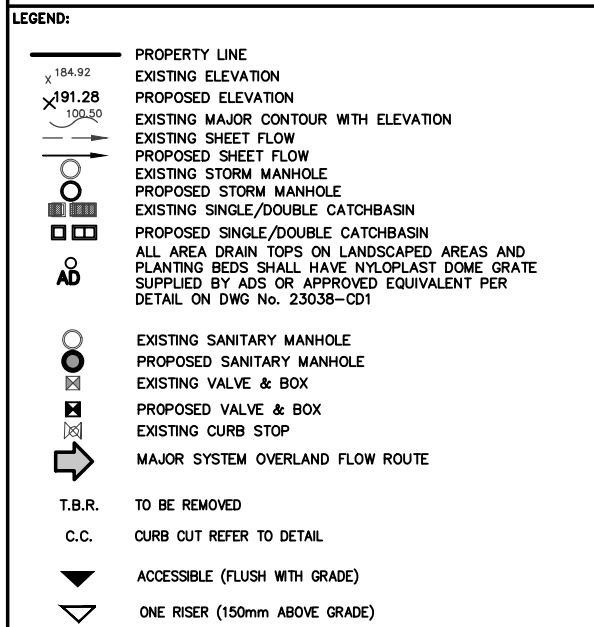
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1. ALL DIMENSIONS ARE IN METRES AND ALL DIAMETERS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.
2. THE LATEST CITY OF TORONTO STANDARD DRAWINGS, GENERAL CONDITIONS & SPECIFICATIONS CONSTITUTE PART OF THE DRAWINGS.
3. ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE 'OCCUPATIONAL HEALTH AND SAFETY ACT'. THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
4. TEMPORARY TRAFFIC CONTROL, TRAFFIC CONTROL DURING CONSTRUCTION, PERMANENT SIGNS AND LANE MARKINGS SHALL BE IN ACCORDANCE WITH ONTARIO TRAFFIC MANUAL FOR TEMPORARY CONDITIONS AND MTO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
5. ALL UNDERGROUND SERVICE CONNECTIONS AND TRENCHES WITHIN PAVED PORTION OF AN EXISTING ROAD ARE TO BE BACKFILLED WITH UN-SHRINKABLE FILL MATERIAL.
6. ALTERNATIVE CONSTRUCTION MATERIALS MAY BE ACCEPTABLE, PROVIDED THAT APPROVAL HAS BEEN OBTAINED FROM CITY ENGINEER.

1. BACKFILL LIFT THICKNESS SHALL BE NO GREATER THAN 300mm.
2. PRIOR TO THE PLACEMENT OF ANY GRANULAR MATERIALS, THE SOIL CONSULTANT MUST ISSUE A COMPACTION CERTIFICATE AND OBTAIN APPROVAL FROM THE CITY.
3. MUNICIPAL CURB AND GUTTER SHALL BE AS PER CITY OF TORONTO T-600.05-1 AND T-600.07-1 WITH SUBURBANS AS PER T-216.02-8.
4. MUNICIPAL CURB & SIDEWALK SHALL BE CONSTRUCTED AS PER CITY OF TORONTO T-310.01-4 AND T-310.05-1.
5. ALL ASPHALT PAVEMENT WITHIN THE PARKING, DRIVE AISLES AND SITE ENTRANCES SHALL BE HEAVY DUTY IN ACCORDANCE WITH THE GEOTECHNICAL REPORT AS SPECIFIED BY THE CITY OF TORONTO'S ROADWAY ADMINISTRATOR.
6. UNLESS OTHERWISE SPECIFIED BY GEOTECHNICAL CONSULTANT, SUB-GRADE, TRENCH BACKFILL AND GRANULAR SUB-BASE MATERIAL IS TO BE COMPACTED TO 98% SPMOD. ASPHALT IS TO BE COMPACTED WHILE GRANULAR BASE IS TO BE COMPACTED TO 100% SPMOD AND ASPHALT PAVEMENT IS TO BE COMPACTED TO 100% SPMOD.
7. WHERE NEW ASPHALT MATCHES EXISTING ASPHALT, EXISTING ASPHALT SHALL BE GRINDED A MINIMUM OF 300mm WIDE AND 40mm DEEP FOR KEYING. HOT RUBBER SEALING COMPOUND IN ACCORDANCE WITH OPS12 1221 AND EMULSIFIED ASPHALT AT ALL JOINTS WILL BE APPLIED.
8. BOULEVARD RESTORATION SHALL BE A MINIMUM OF 150MM TOPSOIL AND NO. 1 GRADE NURSERY SOIL.
9. EXISTING DRIVE ROUTES SHALL BE CONSTRUCTED OF MATERIALS AND DENSENESS TO BE SPECIFIED BY THE CONTRACTOR TO PROVIDE A LOAD OF NOT LESS THAN 11 363 KG PER AXLE AND HAVE A CHANGE IN GRADIENT OF NOT MORE THAN 1 IN 12.5 OVER A MINIMUM DISTANCE OF 15M.
10. THE CONTRACTOR SHALL CHECK AND VERIFY ALL GRADES AND DRAINAGE SYSTEMS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
11. ALL SURFACE DRAINAGE WILL BE SELF-CONTAINED, COLLECTED AND DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.
12. GRADES AT SLOPES AT PROPERTY LINES AND WITHIN THE SITE TO BE MET WITHIN 3:1 (33% MAXIMUM).
13. DRIVEWAY ENTRANCE SHALL BE TO TORONTO STD. T-310.05-1.
14. WHERE MUNICIPAL SIDEWALKS AND CURBS OCCUR AT ENTRANCES THEY SHALL BE CONTINUOUS THROUGH THE SUBURBANS. THE SIDEWALK SHALL REMAIN AT ITS ORIGINAL GRADE AND NO DEPRESSION WILL BE PROVIDED AT EACH ENTRANCE. ELEVATIONS OF DRIVEWAYS SHALL BE COMPATIBLE WITH EXISTING AND FUTURE SIDEWALK GRADES.
15. SIDEWALK TO BE 32MPA CONCRETE WITH 5 TO 8% AIR ENTRAINMENT WITH MIN. OF 150MM GRANULAR "A" BEDDING COMPACTED TO 100% SPMOD.

1. GRADES ARE TO MATCH THE ADJACENT PROPERTIES AT THE LIMITS OF THE SITE
2. DRAINAGE SWALES TO BE A MINIMUM DEPTH OF 0.15m TO A MAXIMUM DEPTH OF 0.30m. SWALE GRADES SHALL BE A MINIMUM OF 2.0% AND A MAXIMUM OF 5.0% UNLESS OTHERWISE NOTED
3. MINIMUM PAVEMENT GRADE OF 0.70% TO A MAXIMUM GRADE OF 8.0%
4. OPEN AND LANDSCAPED AREAS ON BERMS SHALL NOT EXCEED 3:1
5. THE MAXIMUM ALLOWABLE HEIGHT OF A BERM WITHOUT A BREAK IN GRADE IS 1.2m. LANDSCAPE BERMS SHALL NOT ENROACH ONTO THE BOULEVARD OR ADJACENT PROPERTIES UNLESS WRITTEN AUTHORIZATION FROM THE ADJACENT LANDOWNER(S) IS PROVIDED.
6. DRAINAGE LOCATIONS AND DIRECTIONS OF DRAINAGE SHALL BE IDENTIFIED BY THE ENGINEER
7. FOOTINGS TO BE FOUND ON UNDISTURBED NATIVE SOIL OR, IF LOCATED IN ENGINEERED FILL, FOUNDATIONS SHALL BE IN ACCORDANCE WITH THE CITY OF TORONTO FOUNDATION SPECIFICATIONS
8. A MINIMUM 1.50m FLAT AREA SHALL BE PROVIDED AT THE BOTTOM OF SLOPES LOCATED ADJACENT TO FENCES.
9. MINIMUM 15.00m FLAT AREA SHALL BE PROVIDED AT THE BOTTOM OF LANDSCAPED AREAS ADJACENT TO FENCES
10. ALL GRADING MUST COMPLY WITH THE CITY OF TORONTO AND APPROPRIATE CONSERVATION AUTHORITY AND THERE STANDARDS.

[illegible]

ARCHITECT

CHERIE NG
ARCHITECT INC.

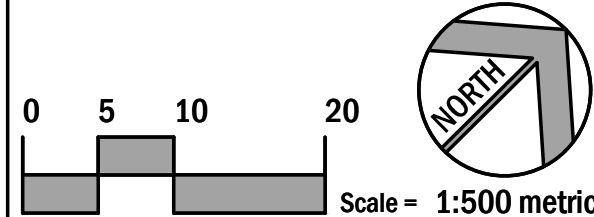
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2.	2024-11-18	ISSUED FOR PERMIT AND TENDER	CC	PE
1.	2024-11-08	ISSUED FOR SPA	CC	PE
NO	YYYY-MM-DD	REVISION	DN	CH



DESIGNED BY



**FIFA - EAST VSTS -
CENTENNIAL PARK**
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3



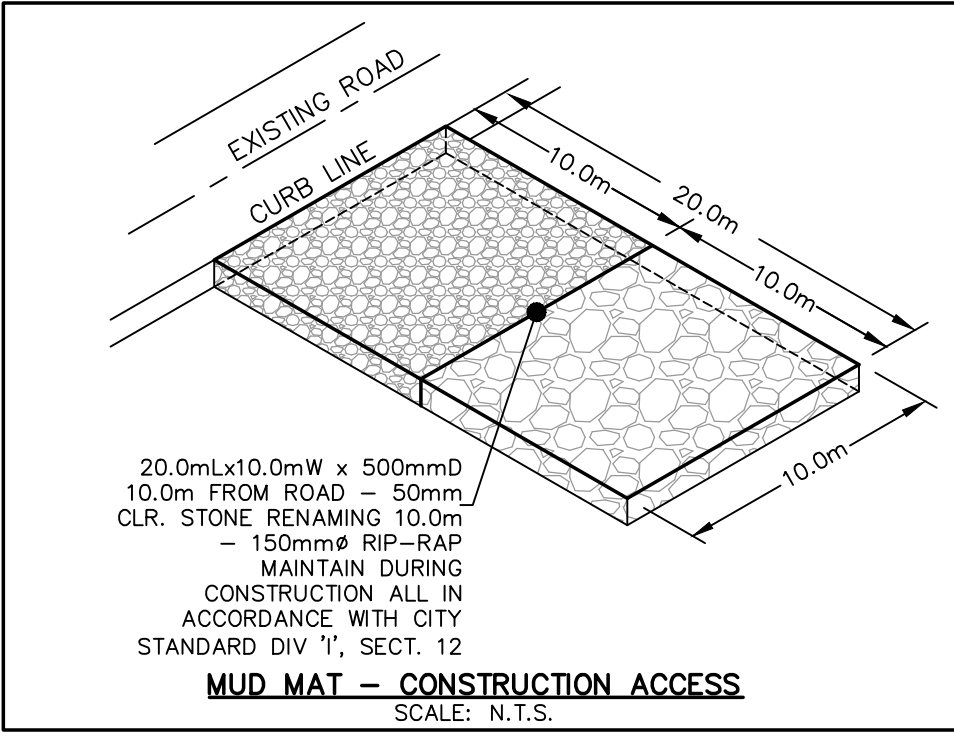
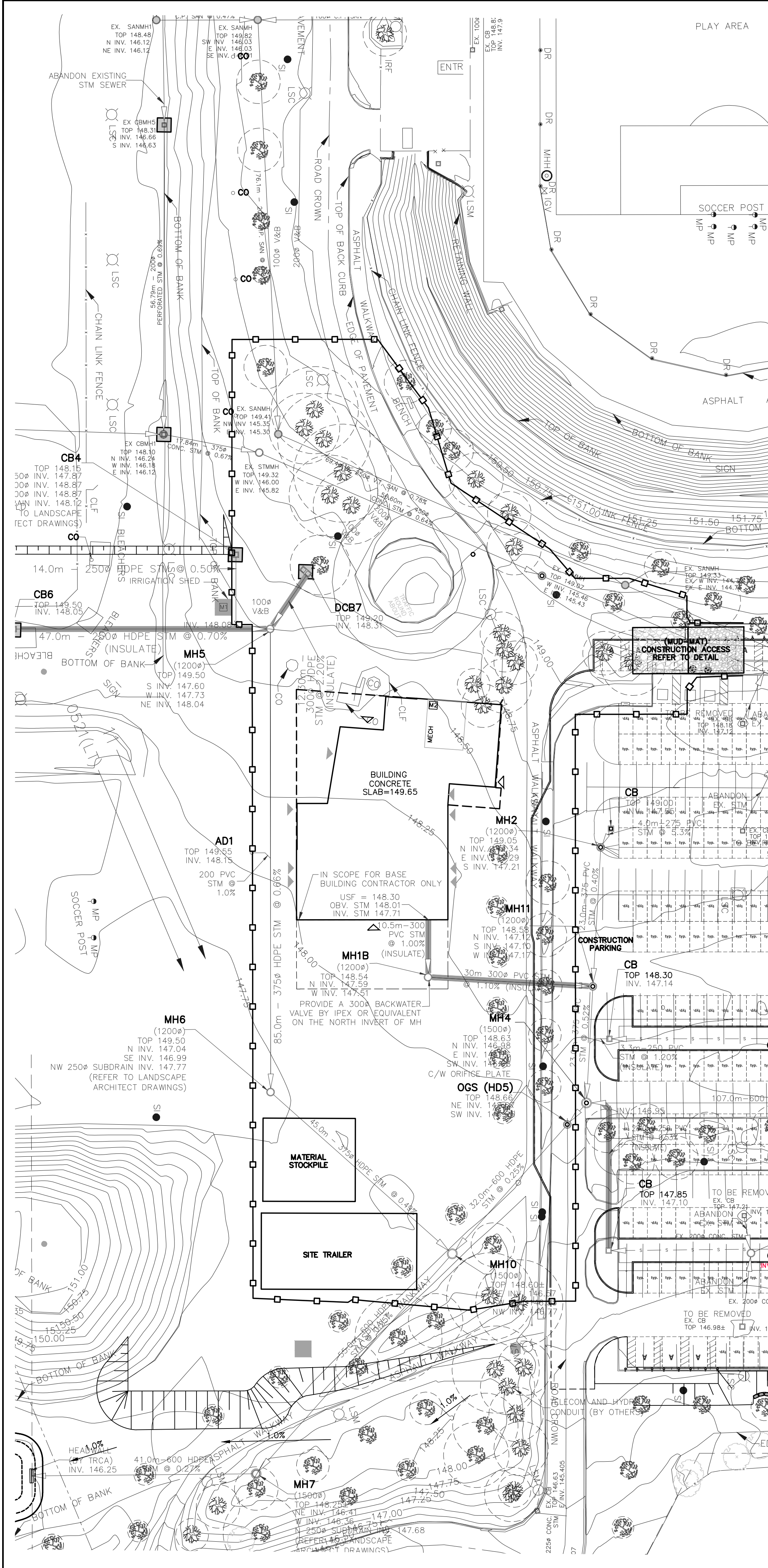
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GRADING PLAN - EAST
VSTS
SHEET: 2 OF 8

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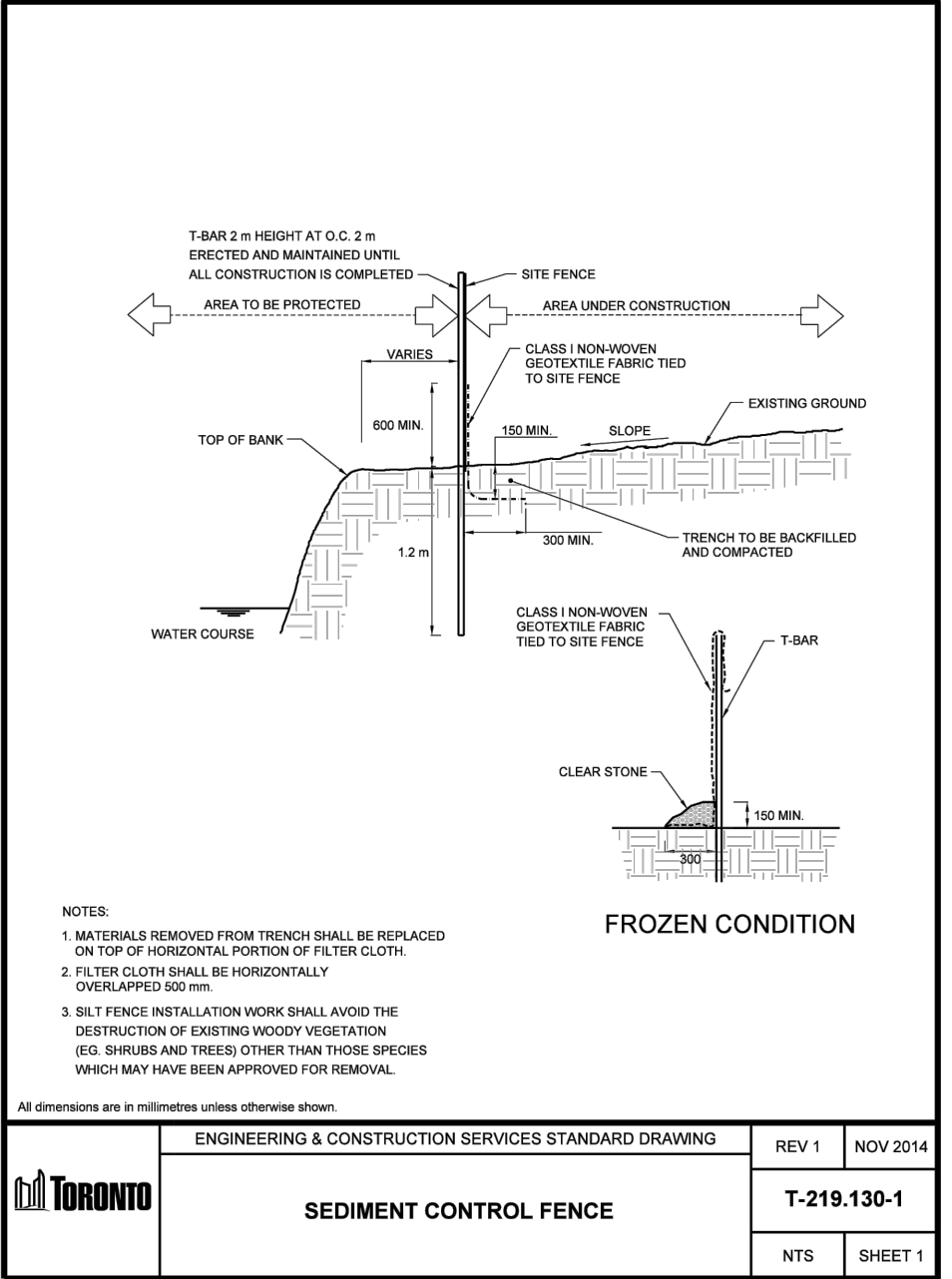
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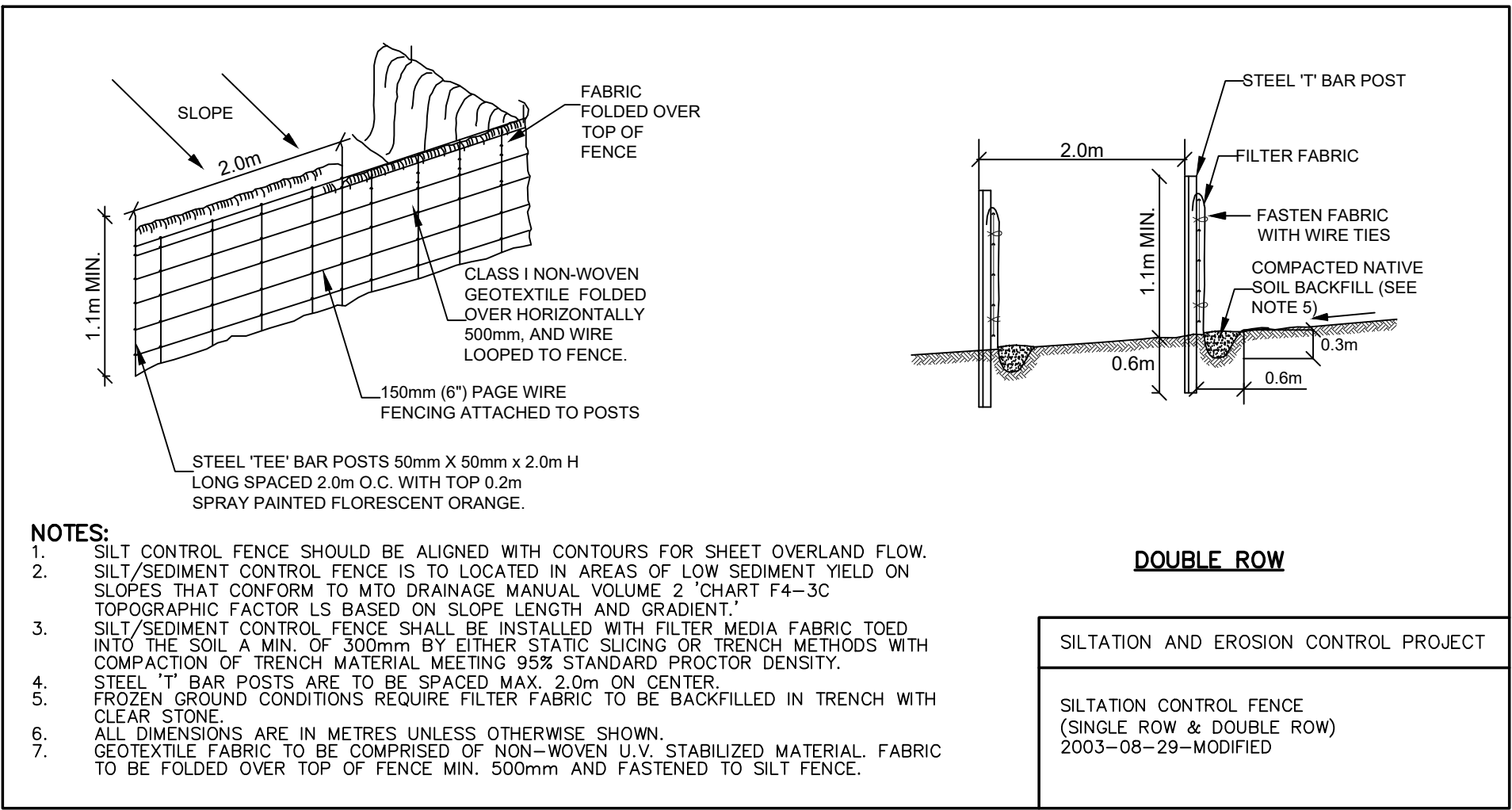
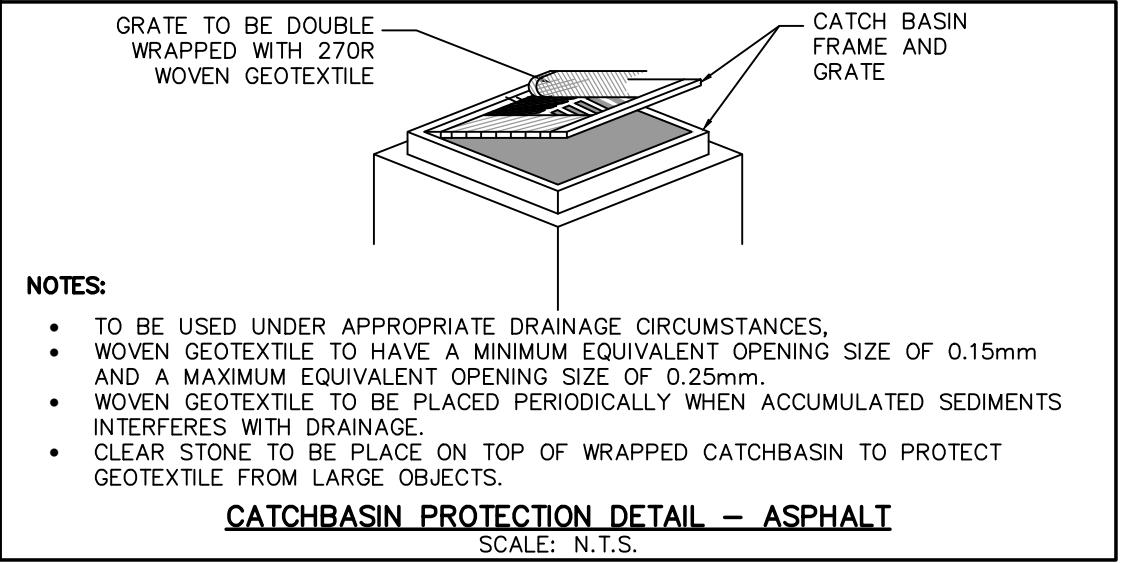
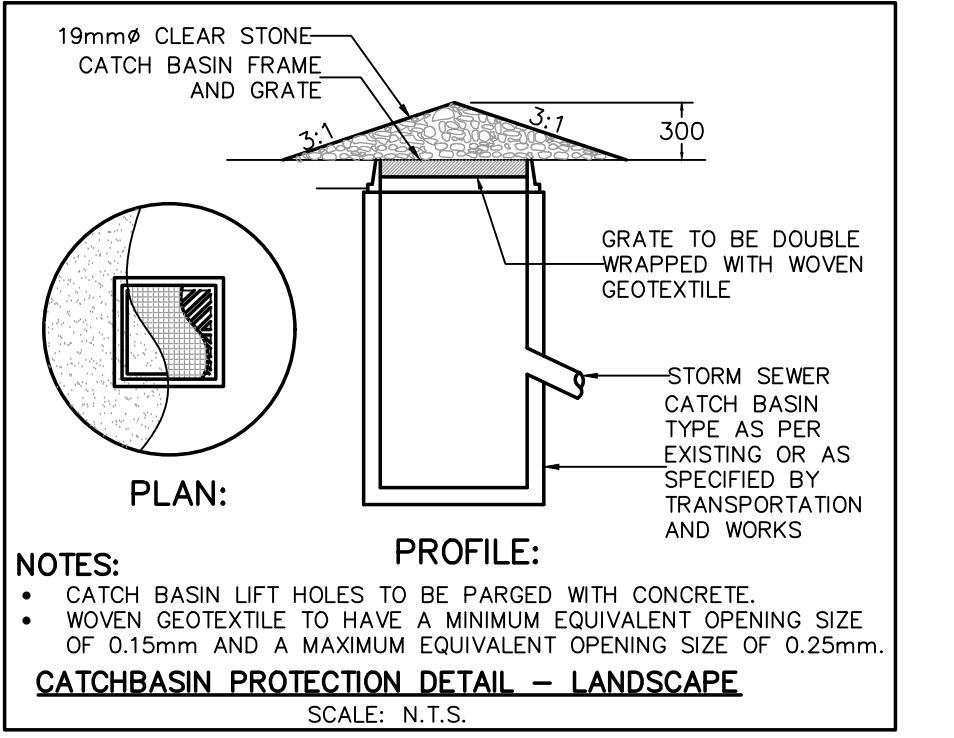


- EROSION AND SEDIMENT CONTROL NOTES:**
1. SEDIMENT BARRIERS, CHECK DAMS, AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF CONSTRUCTION.
 2. ALL SEDIMENT CONTROL DEVICES TO BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER UNTIL AREA IS STABILIZED.
 3. IF NECESSARY, TRUCKS WILL BE WASHED DOWN BEFORE LEAVING THE SITE.
 4. THE SITE WILL BE WET DOWN IF NECESSARY TO CONTROL DUST.
 5. ALL CONSTRUCTION EQUIPMENT MUST BE PARKED ONSITE.
 6. ALL CONSTRUCTION ACTIVITY WILL COMPLY WITH CITY OF TORONTO NOISE BYLAW.
 7. SEDIMENT CONTROL FENCE TO BE AS PER CITY OF TORONTO STANDARD T-219.130-1.
 8. ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
 9. ALL TOPSOIL STOCKPILES TO BE SURROUNDED WITH SEDIMENT CONTROL FENCING.
 10. FILTER FABRIC TO BE PLACED UNDER GRATES ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND THE BOULEVARDS TO HAVE SOD.
 11. FILTER FABRIC FOR SILT CONTROL TO BE TERRA FIX 270R OR APPROVED EQUIVALENT.
 12. FILTER CLOTH WILL BE PLACED ON THE CATCHBASINS ON PUBLIC STREET ACROSS THE PROPERTY'S FRONTAGE.
 13. IN THE CASE OF ANY CONFLICT WITH ANOTHER PLAN, THIS PLAN PREVAILS ONLY IN RESPECT TO CONSTRUCTION MEASURES AND ACTIVITIES SUCH AS THE CONSTRUCTION ACCESS, SILT FENCE, SECURITY FENCING, SEDIMENT CONTROL, AND MUD MATS.
 14. STREET SWEEPING, CATCH BASIN CLEANING AND DUST CONTROL ARE THE RESPONSIBILITY OF THE DEVELOPER AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY.

- ADDITIONAL EROSION AND SEDIMENT CONTROL NOTES:**
1. NO CONSTRUCTION ACTIVITY OR MACHINERY TO OPERATE OUTSIDE THE SILT FENCING.
 2. PROVISION OF A MUD MAT CONSTRUCTION ENTRANCE IN ORDER TO CONTROL THE TRACKING OF SEDIMENT AND DEBRIS MUST BE CONTROLLED ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY.
 3. INSTALLATION AND MAINTENANCE OF CATCHBASIN SEDIMENT BARRIERS THROUGHOUT THE SITE AND ON PUBLIC STREET ACROSS THE PROPERTY'S FRONTAGE DURING ALL CONSTRUCTION ACTIVITIES IN ORDER TO REDUCE AND TRAP SEDIMENT ON SITE. CONSTANT ATTENTION WILL BE PAID TO MAINTAINING THEM SILT FREE.
 4. EROSION AND SEDIMENT CONTROL DEVICES WILL BE REMOVED ONLY AFTER SITE HAS BEEN STABILIZED AND PAVING OPERATIONS ARE COMPLETE.
 5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EROSION CONTROL MEASURES IN WORKING CONDITIONS AT ALL TIMES TO THE SATISFACTION OF THE CITY OF TORONTO.
 6. THE ESC STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEDIMENT RELEASES TO THE NATURAL ENVIRONMENT. THE TRCA ENFORCEMENT OFFICE WILL BE CONTACTED IMMEDIATELY SHOULD THE EROSION AND SEDIMENT CONTROL PLANS CHANGE FROM THE APPROVED PLANS. FAILED ESC MEASURES WILL BE REPAIRED IMMEDIATELY.
 7. INSPECTION OF THE PROPOSED EROSION AND SEDIMENT CONTROL MEASURES WILL OCCUR:
 - ON A WEEKLY BASIS
 - AFTER EVERY SIGNIFICANT RAINFALL EVENT
 - AFTER SIGNIFICANT SNOW MELT EVENTS, AND
 - DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS.
 8. ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.



CONTRACTOR TO REFER TO CURRENT EROSION & SEDIMENT CONTROL GUIDELINES FOR URBAN CONSTRUCTION DECEMBER 2006, FOR ADDITIONAL ESC MEASURES TO BE IMPLEMENTED AS REQUIRED BY SITE CONDITIONS AND WEATHER.



KEY PLAN (N.T.S.)

NOTES:

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. SURVEY COMPLETED BY: TEAM SURVEYING LIMITED, O.L.S.
3. DO NOT SCALE DRAWINGS.
4. LIMIT ALL SHOULDER, DRAINAGE OR DISCREPANCIES TO URBAN WATERSHED GROUP LIMITED IMMEDIATELY UPON DISCOVERY.
5. USE ONLY LATEST REVISION DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION".
6. THE DRAWINGS ARE THE PROPERTY OF URBAN WATERSHED GROUP LIMITED AND MUST BE RETURNED ON COMPLETION OF THE PROJECT. ANY UNAUTHORIZED USE OF THIS PLAN IS PROHIBITED.
7. URBAN WATERSHED GROUP LIMITED SHALL NOT BE HELD RESPONSIBLE FOR ANY DAMAGES WHICH MAY ARISE FROM THE USE OF THIS DRAWING FOR TENDER, ESTIMATING, CONSTRUCTION OR OTHER PURPOSES PRIOR TO FINAL APPROVAL AND PRIOR TO PERMITS BEING GRANTED FROM ALL AUTHORITIES HAVING JURISDICTION.

BENCHMARK NOTES:

ELEVATIONS SHOWN HEREIN ARE GEODETIC AND ARE REFERRED TO THE CITY OF TORONTO BENCHMARKS:

1. CITY OF TORONTO BENCHMARK NO. 000003 (12020000003), HAVING AN ELEVATION 150.400 METRES ABOVE MEAN SEA LEVEL, LOCATED AT CENTENNIAL PARK STONE/BRICK WAREHOUSE BUILDING, SOUTH AND WEST OF THE SKI HILL, EAST OF CENTENNIAL PARK BOULEVARD AND EAST OF THE PARK BASKETBALL FACILITIES. BENCHMARK IN SOUTH FACE OF BUILDING 3.2 METRES WEST OF THE SOUTH/EAST CORNER AND 0.36 METRES ABOVE GROUND LEVEL.
2. CITY OF TORONTO BENCHMARK NO. E1143 (12519671143), HAVING AN ELEVATION 151.000 METRES ABOVE MEAN SEA LEVEL, LOCATED AT THE CONCRETE BASE OF MOST NORTHERLY HYDRO TOWER, 43 METRES WEST OF CENTENNIAL PARK BOULEVARD AND 450 METRES SOUTH OF EGLINTON AVENUE, 0.16 METRES ABOVE GROUND LEVEL.

LEGEND:

PROPERTY LINE
EXISTING ELEVATION
PROPOSED ELEVATION
EXISTING MARK CONTOUR WITH ELEVATION
EXISTING SHEET FLOW
EXISTING STORM MANHOLE
PROPOSED STORM MANHOLE
EXISTING SINGLE/DOUBLE CATCHBASIN
PROPOSED SINGLE/DOUBLE CATCHBASIN
ALL AREA DRAINAGE SERVICES IN LANDSCAPED AREAS AND PLANTING BEDS SHALL HAVE NYLOPLAST DOME GRATE SUPPLIED BY AJS OR APPROVED EQUIVALENT
PROPOSED CLEANOUT
EXISTING SANITARY MANHOLE
PROPOSED SANITARY MANHOLE
EXISTING VALVE & BOX
PROPOSED VALVE & BOX
EXISTING CURB STOP
PROPOSED SILT FENCE AS PER T-219.130-1 TO BE INSTALLED WITHIN 10 METRES OF THE PROPERTY LINE AND REFER TO DETAIL
(MUD-MAT) CONSTRUCTION ACCESS REFER TO DETAIL
PROPOSED CATCHBASIN SEDIMENT CONTROLS REFER TO DETAIL

CONTRACTOR'S NOTES AND PRIOR TO CONSTRUCTION:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SEWERS AT POINTS OF CROSSING TO THEIR SATISFACTION AND MOOF THEIR SATISFACTION ACCORDING TO THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH THE ADJUSTMENT OF ALL UTILITIES, SEWERS AND MAINS AS REQUIRED TO COMPLETE THE CONSTRUCTION TO THE SATISFACTION OF THE ARCHITECT AND URBAN WATERSHED GROUP LTD. ANY DISCREPANCIES FOUND ON THE DRAWINGS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY.
2. AT THE TIME OF TENDER THE CONTRACTOR AND THEIR SUPPLIERS SHALL REVIEW THE TECHNICAL INFORMATION FOR THE PROJECT AND SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UTILITIES AND SEWERS MEASURES FOR ALL SUBSURFACE SERVICES STRUCTURES.
3. THE CONTRACTOR SHALL SECURE A ROAD OCCUPANCY PERMIT FROM THE MUNICIPAL WORKS DEPARTMENT PRIOR TO ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
4. UPON COMPLETION OF THE PROJECT THE CONTRACTOR SHALL COMPLETE TESTING AS REQUIRED WHICH WILL INCLUDE, BUT NOT BE LIMITED TO, CATCH BASIN TESTING, STORM SEWER TESTING AND JET TESTING. THE WATERMAN SHALL ALSO BE TESTED FOR CONTINUED PRESSURE AND CONFORMANCE BY A QUALIFIED ROAD PARTY FIRM. ALL TESTING SHALL BE COMPLETED IMMEDIATELY FOLLOWING THE COMPLETION OF THE PROJECT AND THE RESULTS SHALL BE FORWARDED TO THE ARCHITECT AND URBAN WATERSHED GROUP IMMEDIATELY FOLLOWING THE TEST. THE CONTRACTOR SHALL ALSO SUBMIT AS-BUILT ELEVATIONS AND LOCATIONS OF THE SEWERS AND GRADING IMMEDIATELY FOLLOWING THE TEST.
5. ALL EARTH WORKING OPERATIONS SHALL BE COMPLETED IN ACCORDANCE WITH CREEC 04/16/2004 AND THE MANAGEMENT OF EXCESS SOIL. FILL MATERIAL SHALL BE CHEMICALLY TESTED TO DETERMINE SUITABILITY TO PROVISIONAL STANDARD FOR FILLING USE. DESTINATION. THE CONTRACTOR SHALL BE HELD RESPONSIBLE TO PROPERLY DISPOSE OF UNSUITABLE OR CONTAMINATED MATERIAL.

ARCHITECT:

CHERIE NG
ARCHITECT INC.

4. 2024-12-18 ISSUED FOR ADDENDUM No.1 CC PE
3. 2024-11-22 RE-ISSUED FOR PERMIT AND SPA CC PE
2. 2024-11-18 ISSUED FOR PERMIT AND TENDER CC PE
1. 2024-11-08 ISSUED FOR SPA CC PE
NO YYYY-MM-DD/REVISION DN/CH

15945 AIRPORT ROAD, SUITE 504
GALEONDA, ONTARIO, L7C 1H9
PHONE: 905-881-1400 FAX: 905-881-1401
urbanwater@torontopark.com
urbanwater@torontopark.com

DESIGNED BY:

A.W. MCLEWEN
130539581
December 18, 2024
PROVINCE OF ONTARIO

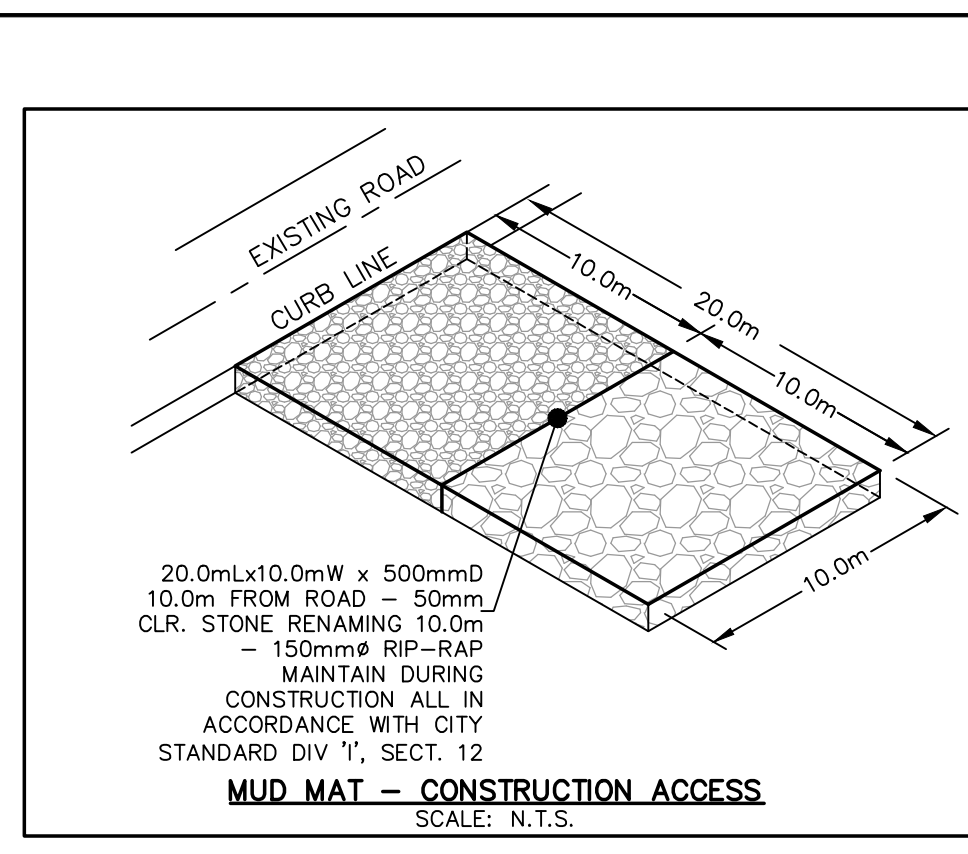
FIFA - EAST VSTS -
CENTENNIAL PARK
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3

Toronto
Toronto Parks, Forestry and Recreation

0 5 10 20
Scale = 1:500 metric

PROJECT No: 23038

CMP-1
CONSTRUCTION MANAGEMENT
PLAN - EAST VSTS
SHEET: 4 OF 8



1. SEDIMENT BARRIERS, CHECK DAMS, AND TEMPORARY CONSTRUCTION ACCESS TO BE INSTALLED PRIOR TO THE BEGINNING OF CONSTRUCTION.
2. ALL SEDIMENT CONTROL DEVICES TO BE ROUTINELY INSPECTED AND MAINTAINED IN PROPER WORKING ORDER UNTIL AREA IS STABILIZED.
3. ALL SEDIMENT CONTROL DEVICES TO BE WASHED DOWN BEFORE LEAVING THE SITE.
4. THE SITE WILL BE WET DOWN IF NECESSARY TO CONTROL DUST.
5. ALL CONSTRUCTION EQUIPMENT MUST BE PARKED OFF SITE.
6. ALL CONSTRUCTION ACTIVITY WILL COMPLY WITH CITY OF TORONTO NOISE BYLAW.
7. SEDIMENT CONTROL DEVICES TO BE A MINIMUM OF 10 METERS FROM STANDARD 10' HIGH CURBS.
8. ALL CONSTRUCTION VEHICLES TO ENTER AND EXIT SITE FROM TEMPORARY CONSTRUCTION ACCESS.
9. ALL CONSTRUCTION VEHICLES TO BE EQUIPPED WITH SEDIMENT CONTROL FENCINGS.
10. FILTER FABRIC TO BE PLACED UNDER GRATES ON ALL CATCHBASINS TO TRAP SEDIMENT. SILT TRAPS ARE TO BE CLEANED REGULARLY AND ARE NOT TO BE REMOVED UNTIL SUCH TIME AS THE CURBS ARE CONSTRUCTED AND THE BOULEVARDS TO HAVE 50D.
11. ALL FILTER FABRIC TO BE 270R OR APPROVED SIX INCH EQUIVALENT.
12. FILTER CLOTH WILL BE PLACED ON THE CATCHBASINS ON PUBLIC STREET ACROSS THE PROPERTY'S FRONTAGE.
13. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, MAINTENANCE, AND REMOVAL OF CONSTRUCTION MEASURES AND ACTIVITIES SUCH AS THE CONSTRUCTION ACCESS, SILT FENCE, SECURITY FENCING, SEDIMENT CONTROL, AND MUD MATS.
14. THE DEVELOPER SHALL BE RESPONSIBLE FOR DUST CONTROL AND THE RESPONSIBILITY OF THE DEVELOPER AND MUST BE KEPT UNDER CONTROL ON ALL ROADWAYS TO THE SATISFACTION OF THE CITY.

1. NO CONSTRUCTION ACTIVITY OR MACHINERY TO OPERATE OUTSIDE THE SILT FENCING.
2. EROSION CONTROL MEASURES SHALL BE MAINTAINED THROUGHOUT THE PROJECT DURATION AND AT ALL TIMES TO THE SATISFACTION OF THE CITY.
3. INSTALLATION AND MAINTENANCE OF CATCHBASIN SEDIMENT BARRIERS THROUGHOUT THE SITE AND ON PUBLIC STREET ACROSS THE PROPERTY'S FRONTAGE DURING ALL CONSTRUCTION ACTIVITIES IN ORDER TO REDUCE AND TRAP SEDIMENT ON-SITE. CONSTANT ATTENTION WILL BE PAID TO MAINTAINING THEM SIFT FREE.
4. EROSION AND SEDIMENT CONTROL DEVICES WILL BE REMOVED ONLY AFTER SITE HAS BEEN STABILIZED AND PAVING OPERATIONS ARE COMPLETE.
5. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL EROSION AND SEDIMENT CONTROL MEASURES IN WORKING CONDITION AT ALL TIMES TO THE SATISFACTION OF THE CITY OF TORONTO.
6. THE ESC STRATEGIES OUTLINED ON THE PLANS ARE NOT STATIC AND MAY NEED TO BE UPGRADED/AMENDED AS SITE CONDITIONS CHANGE TO PREVENT SEVERE RELIEF OF EROSION. THE CONTRACTOR SHALL BE CONTACTED IMMEDIATELY IF ANY CHANGES SHOULD THE EROSION AND SEDIMENT CONTROL PLANS CHANGE FROM THE APPROVED PLANS. FAILED ESC MEASURES WILL BE REPAIRED IMMEDIATELY.
7. INSPECTION OF THE PROPOSED EROSION AND SEDIMENT CONTROL MEASURES WILL OCCUR:
 - a. ON A WEEKLY BASIS
 - b. AFTER EVERY SIGNIFICANT RAINFALL EVENT
 - c. AFTER SIGNIFICANT SNOW MELT EVENTS
 - d. DAILY DURING EXTENDED RAIN OR SNOWMELT PERIODS.
8. ALL DAMAGED ESC MEASURES SHOULD BE REPAIRED AND/OR REPLACED WITHIN 48 HOURS OF THE INSPECTION.

The technical drawing illustrates the construction and specifications of a Sediment Control Fence. It includes two main cross-sectional views: one for normal conditions and another for frozen conditions.

Normal Condition Details:

- T.BAR:** 2 m height at O.C. 2 m, erected and maintained until all construction is completed.
- BITE FENCE:** A fence made of Class I non-woven geotextile fabric tied to the T-bar fence.
- VARIER:** The distance between the top of the bank and the bite fence.
- SLOPE:** The slope of the existing ground behind the fence.
- DIMENSIONS:** 600 MIN. (height from water course), 150 MIN. (width of bite fence), 300 MIN. (width of trench).
- Labels:** AREA TO BE PROTECTED, AREA UNDER CONSTRUCTION, EXISTING GROUND, TOP OF BANK, WATER COURSE, TRENCH TO BE BACKFILLED AND COMPACTED.

Frozen Condition Details:

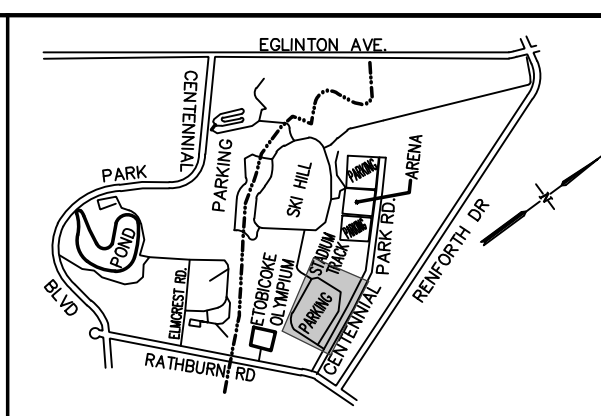
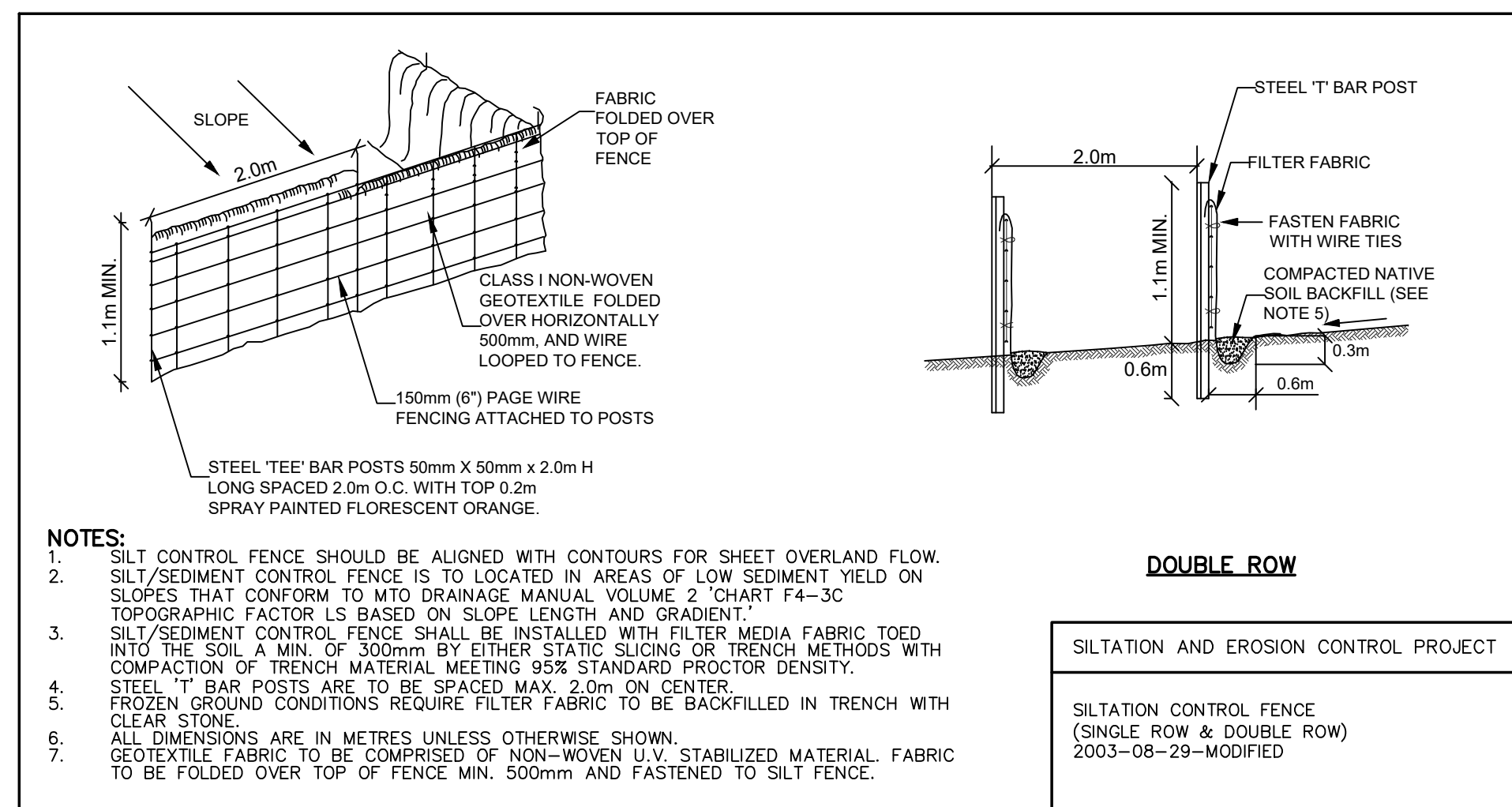
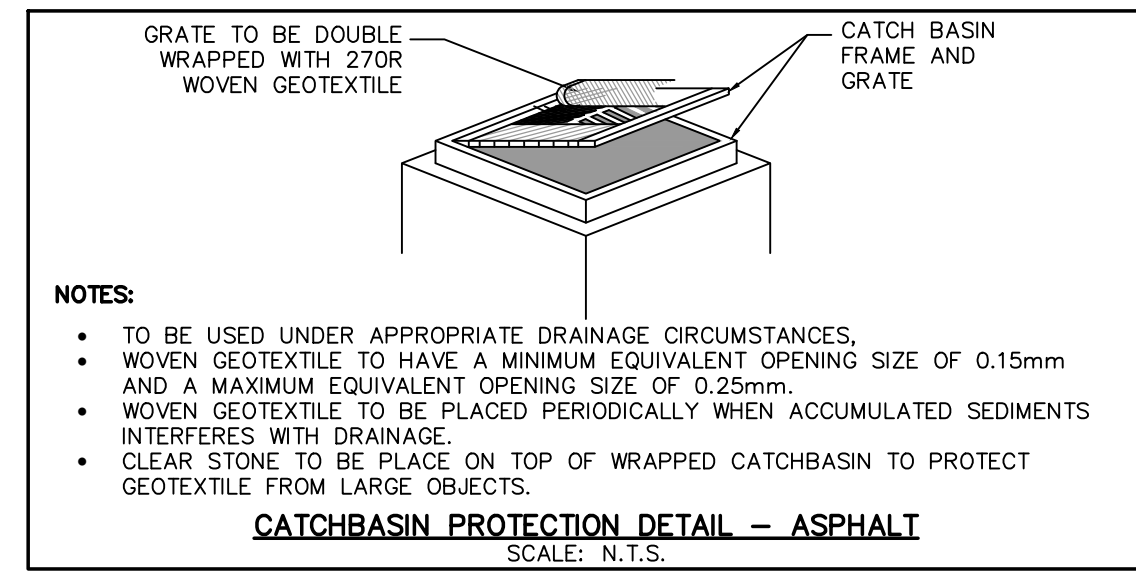
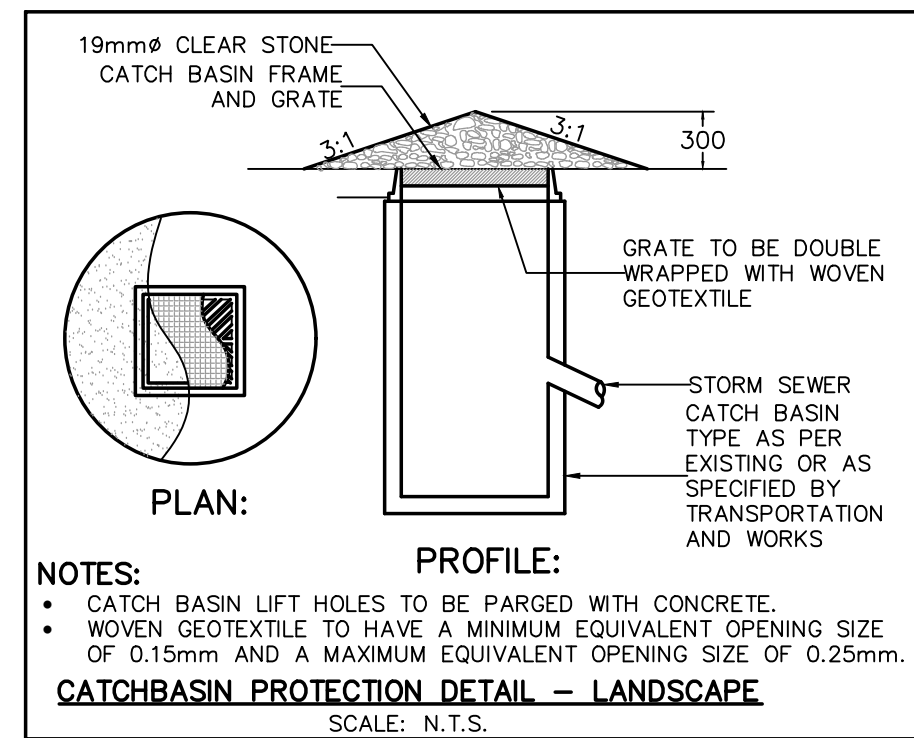
- CLASS I NON-WOVEN GEOTEXTILE FABRIC:** Tied to the bite fence.
- T-BAR:** Vertical support bar.
- CLEAR STONE:** Material used for backfilling the trench.
- DIMENSIONS:** 150 MIN. (width of clear stone layer), 300 (total width of trench).

NOTES:

- MATERIALS REMOVED FROM TRENCH SHALL BE REPLACED ON TOP OF HORIZONTAL PORTION OF FILTER CLOTH.
- FILTER CLOTH SHALL BE HORIZONTALLY OVERLAPPED 50 MM.
- BILT FENCE INSTALLATION WORK SHALL AVOID THE DISTRIBUTION OF EXISTING MUCKY VEGETATION (e.g. SHRUBS AND TREES) OTHER THAN THOSE SPECIES WHICH MAY HAVE BEEN APPROVED FOR REMOVAL.

All dimensions are in millimetres unless otherwise shown.

	ENGINEERING & CONSTRUCTION SERVICES STANDARD DRAWING	REV 1	NOV 2014
	SEDIMENT CONTROL FENCE	T-219.130-1	
		NTS	SHEET 1



KEY PLAN (N.T.S.)

NOTES:

1. VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
2. SURVEY COMPLETED BY TEAM SURVEYING LIMITED, L.L.C.
DATED: SEPTEMBER 27, 2023.
3. NO SCALE DRAWINGS.
4. REPORT ANY PERSON, OMISSIONS OR DISCREPANCIES TO URBAN WATERSHED GROUP LIMITED IMMEDIATELY UPON DISCOVERY.
5. USE THE BEST REASONABLE DRAWINGS OR THOSE THAT ARE MARKED "ISSUED FOR CONSTRUCTION".
6. THE DRAWINGS ARE THE PROPERTY OF URBAN WATERSHED GROUP LIMITED AND MUST BE RETURNED ON COMPLETION OF THE PROJECT.
7. ANY UNAUTHORIZED USE OF THIS PLAN IS PROHIBITED.
8. URBAN WATERSHED GROUP LIMITED SHALL NOT BE HELD RESPONSIBLE FOR ANY DAMAGE WHOSE CAUSE MAY BE DUE TO THE USE OF THESE DRAWINGS, ESTIMATING, CONSTRUCTION OR OTHER PURPOSES PRIOR TO FINAL APPROVAL. PRIOR TO PERMITS BEING GRANTED FROM ALL AUTHORITIES HAVING JURISDICTION.

BENCHMARK NOTE:
ELEVATIONS SHOWN HEREON ARE GEODETIC AND ARE REFERRED TO THE CITY OF TORONTO BENCHMARKS:

1. CITY OF TORONTO BENCHMARK NO. 080003 (102202080003), HAVING AN ELEVATION 150.409 METERS, BENCHMARK LOCATED AT CENTENAL PARK STATION/BRICK WASHROOM BUILDING, SOUTH AND WEST OF THE SKI HILL, EAST CENTENAL PARK BOULEVARD AND EAST OF THE PARK BASEBALL FACILITIES, BENCHMARK IN SOUTH FACE OF BUILDING 3.2 METRES WEST OF THE SOUTH/EAST CORNER AND 0.36 METERS ABOVE GROUND LEVEL.
2. CITY OF TORONTO BENCHMARK NO. E1143 (12519671143), HAVING AN ELEVATION 151.590 METERS, BENCHMARK SET IN SOUTHWESTERN CONCRETE BASE OF MOST NORTHERLY HYDRO TOWER, 43 METRES WEST OF THE CORNERLINE OF CENTENAL PARK BOULEVARD, 400 METERS SOUTH OF EGLINTON AVENUE, 0.16 METERS ABOVE GROUND LEVEL.

LEGEND

- PROPERTY LINE
- EXISTING ELEVATION
- PROPOSED ELEVATION
- EXISTING MAJOR CONTOUR WITH ELEVATION
- EXISTING SWEET FLOW
- PROPOSED SWEET FLOW
- EXISTING STORM MANHOLE
- PROPOSED STORM MANHOLE
- EXISTING SINGLE/DOUBLE CATCHBASIN
- PROPOSED SINGLE/DOUBLE CATCHBASIN
- ALL AREA DRAIN TIPS ON LANDSCAPED AREAS AND PAVED AREAS SHALL BE IMPERMEABLE FLOW GRADE SUPPLIES BY AS OR APPROVED EQUIVALENT
- PROPOSED CLEANOUT
- EXISTING SANITARY MANHOLE
- PROPOSED SANITARY MANHOLE
- EXISTING VALVE & BOX
- PROPOSED VALVE & BOX
- EXISTING CURB STOP
- PROPOSED SLOTTED FENCE AS PER "S-129.130 TO BE REPLACED WHEN INDICATED ON THIS PLAN REFER TO DETAIL
- (MD-MAT) CONSTRUCTION ACCESS REFER TO DETAIL
- PROPOSED CATCHBASIN SEDIMENT CONTROLS REFER TO DETAIL

[illegible]

ARCHITECT

CHERIE NG
ARCHITECT INC.

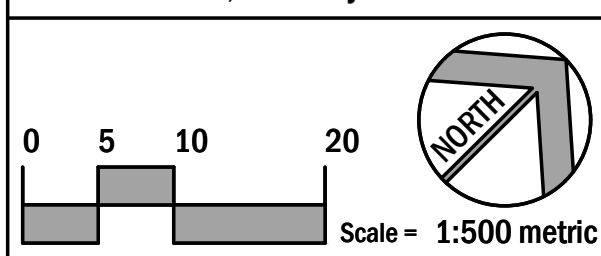
4.	2024-12-18	ISSUED FOR ADDENDUM No.1	CC	PE
3.	2024-11-22	RE-ISSUED FOR PERMIT AND SPA	CC	PE
2.	2024-11-18	ISSUED FOR PERMIT AND TENDER	CC	PE
1.	2024-11-08	ISSUED FOR SPA	CC	PE
NO	YYYY-MM-DD	REVISION	DN	CH

[illegible]

Author(s): _____



**FIFA - EAST VSTS -
CENTENNIAL PARK**
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3



PROJECT No: 23038	CES-1
EROSION & SEDIMENT CONTROL PLAN - EAST VSTS	
SHEET: 3 OF 8	

WALKWAY

1000

600

300

1524

4572

BLACK HANDHOLE COVER WITH TAMPERPROOF SCREWS

FINISHED GRADE

150mm WIDE RED PLASTIC CAUTION TAPE

1-1/4" RIGID PVC CONDUIT

WIRING APERTURE ON BOTH SIDES OF POLE

LIMESTONE SCREENINGS COMPACTED WITH A HYDRAULIC POLE TAMPER TO 98% SPD (MIN. 75mm AROUND POLE)

UNDISTURBED SUBSOIL

MJS CONSULTANTS INC.
420 MAIN STREET EAST, SUITE 473
MILTON, ONTARIO L9T 5G3

CENTENNIAL PARK FIFA EAST VSTS

SKE-1

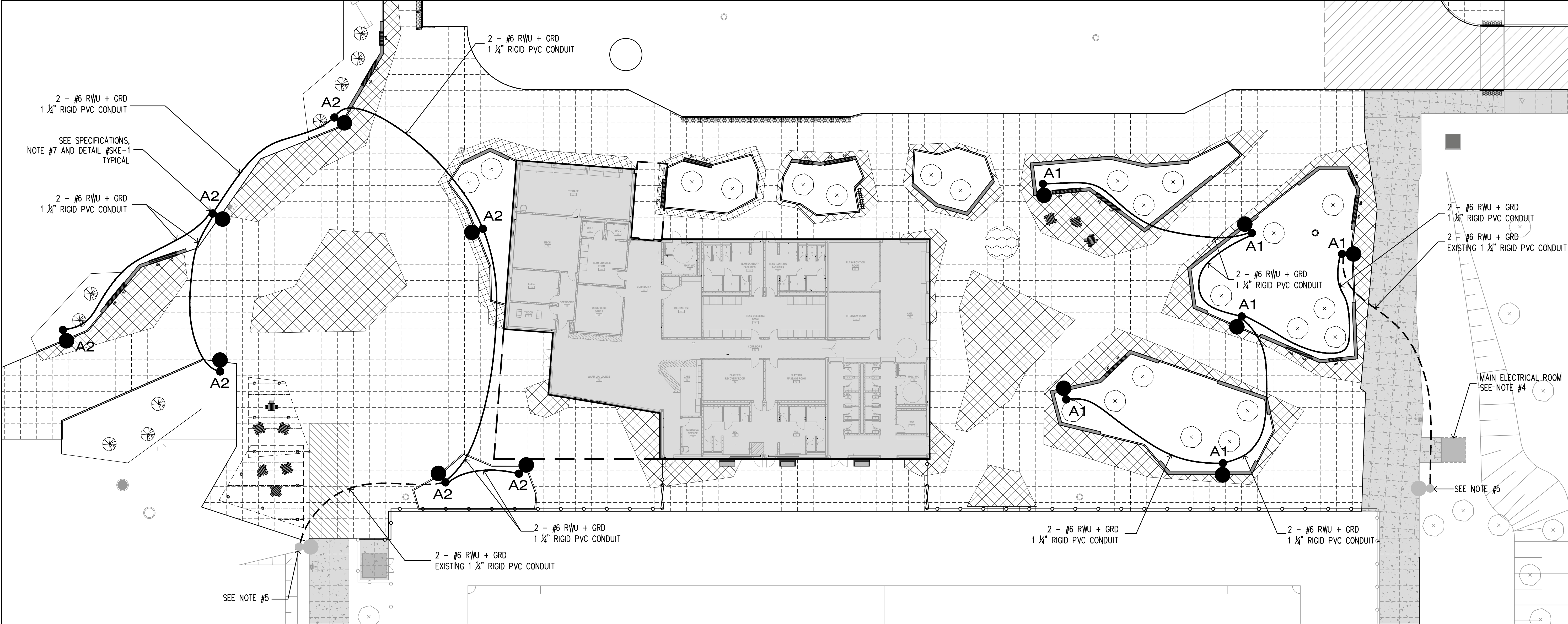
DATE
DECEMBER, 2024

TYPE 'A', 'A1' & 'A2' LIGHTING ASSEMBLY

SCALE
NOT TO SCALE

ELECTRICAL NOTES

1. Electrical contractors quoting on this project must visit the FIFA East VSTS site located in Centennial Park at 56 Centennial Park Road prior to the submission of their quotation to familiarize themselves with the existing conditions. No allowance will be made later for any expense incurred through failure to make this examination.
2. Arrange and pay for locates for all buried services before starting any work in accordance with TSSA requirements. Any damaged services, trees or other plant materials will be replaced or repaired to the satisfaction of the contract inspector. All costs for this work will be the responsibility of the electrical contractor.
3. The conduit routing indicated on the drawing is to be considered schematic only. Do not route any conduits under the bases of any structures, under play areas or proposed fence posts. Generally, where possible route all conduits 2000mm offset of all existing and proposed services. Keep all of the trenches as far away as possible from the drip lines of all existing and proposed trees to avoid damaging their root systems. All costs for this work will be the responsibility of the electrical contractor.
4. The existing walkway lighting system in the park is supplied from Panel "DP-B" located within the precast concrete Main Electrical Room where noted on the drawings. Contact the City of Toronto Parks, Forestry and Recreation department to arrange for access.
5. Hand excavate to locate and expose the below grade apertures of the existing walkway lighting assemblies and the ends of the 1-1/4" rigid PVC conduits where noted on the drawings. Extend the new branch circuit wiring as detailed through the below grade apertures up to the pole hand holes and connect to the existing 347 volt site lighting circuit. Test the entire site lighting system for correct operation upon project completion.
6. After all of the service locates have been completed, stake out the proposed lighting pole locations to confirm that there are no conflicts with any proposed or existing plant materials and services. If conflicts occur, notify the consultant, prior to excavating for the pole base holes or the underground conduits.
7. Each pole and luminaire is to be positioned level and squarely at 90 degrees to the lines of the walkways (the optical pattern of the LED array within the luminaire is to be parallel with the walkway) unless otherwise indicated on the drawing. The electrical contractor will verify the position of the pole and luminaire to ensure that the optical pattern is distributing the light onto the hard surfaces as intended. See detail #SKE-1.
8. All conduits will be 1-1/4" rigid, heavywall, PVC with solvent weld fittings buried with a minimum cover of 600mm. All conduits will have a #8 stranded, TW green ground wire installed with the conductors. All conduits will have a 150mm wide red plastic "Caution" tape buried 300 mm above the conduit, for the full length of the conduit. Polypipe, ENT and Type II PVC duct will not be acceptable. All wire will be #6 RWJ stranded copper, 1000 volt, 90 degree C rated. Use black and white insulated wire to properly identify the phase and neutral. The use of phasing tape will not be acceptable.
9. The electrical contractor will complete a night time site visit to verify the operation of the entire lighting system including all luminaires prior to their request for final site verification by the consultant.
10. All work must be in accordance with the Ontario Electrical Safety Code, 28TH Edition (2021). The electrical contractor will be required to submit a copy of the Electrical Safety Authority Certificate of Acceptance, issued to the ECRA licensed electrical contractor, at the completion of the project. Final acceptance and certification of this project by the electrical consultant will not be provided prior to the receipt of the ESA Certificate of Acceptance. Provide the "As-built" drawings, warranty letter and all other required final documentation upon the completion of this project.



**CHERIE NG
ARCHITECT
INC.**
www.cheriang.com
t. 416.898.1979

VFA
VICTOR FORD & ASSOCIATES INC.
LANDSCAPE ARCHITECTS
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adam@victorford.ca

REGISTERED PROFESSIONAL ENGINEER
B.A. KRASNICHUK
Province of Ontario

Electrical Consultant
MJS CONSULTANTS INC.
420 Main Street East, Suite 473
Milton, Ontario
L9T 5G3
TEL: 416-402-1525
mjscons@total.net

1	[2024-12-18]	Issued for Addendum			MJS/RN
NO	YYYY-MM-DD	REVISION			DN/CH

**CENTENNIAL PARK
FIFA - EAST VSTS**
256 Centennial Park Road,
Toronto, Ontario, M9C 5N3

Toronto
Toronto Parks, Forestry and Recreation

0510

Scale = 1:250 metric

E1

VFA Project: 2309

**ELECTRICAL PLAN, DETAIL
AND NOTES**

amh date (06/24 13:46:00)