

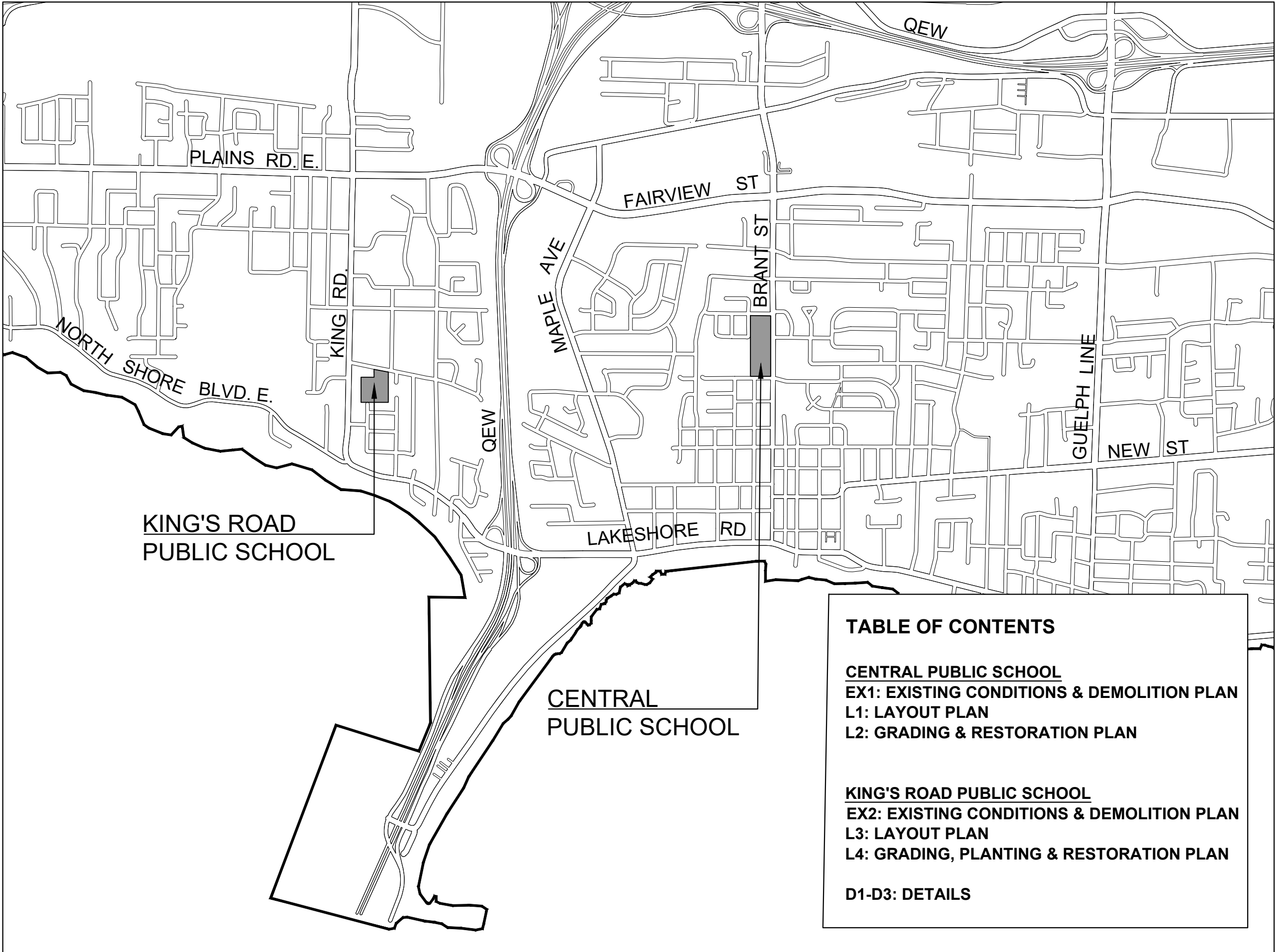


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1	03/10/25	ISSUED FOR TENDER	CM	
NO.	DATE	REVISION	BY	



CENTRAL PS & KING'S ROAD PS
PLAYGROUND IMPROVEMENTS
CONTRACT ES-25-21

PARK CLASSIFICATION
SCHOOL

THE CITY OF BURLINGTON, ITS EMPLOYEES,
OFFICERS AND AGENTS ARE NOT RESPONSIBLE FOR
ANY ERRORS, OMISSIONS OR INACCURACIES, DUE
TO NEGLIGENCE OR OTHERWISE.
ALL INFORMATION SHOULD BE VERIFIED.
ALL DRAWINGS ARE THE PROPERTY OF THE
CORPORATION OF THE CITY OF BURLINGTON

SCALE:	N.T.S
DRAWN BY:	CM
DESIGNED BY:	KN
CHECKED BY:	KN
APPROVED BY:	MR
DATE:	MARCH 2025

LOCATION PLAN

L0

BRANT ST.

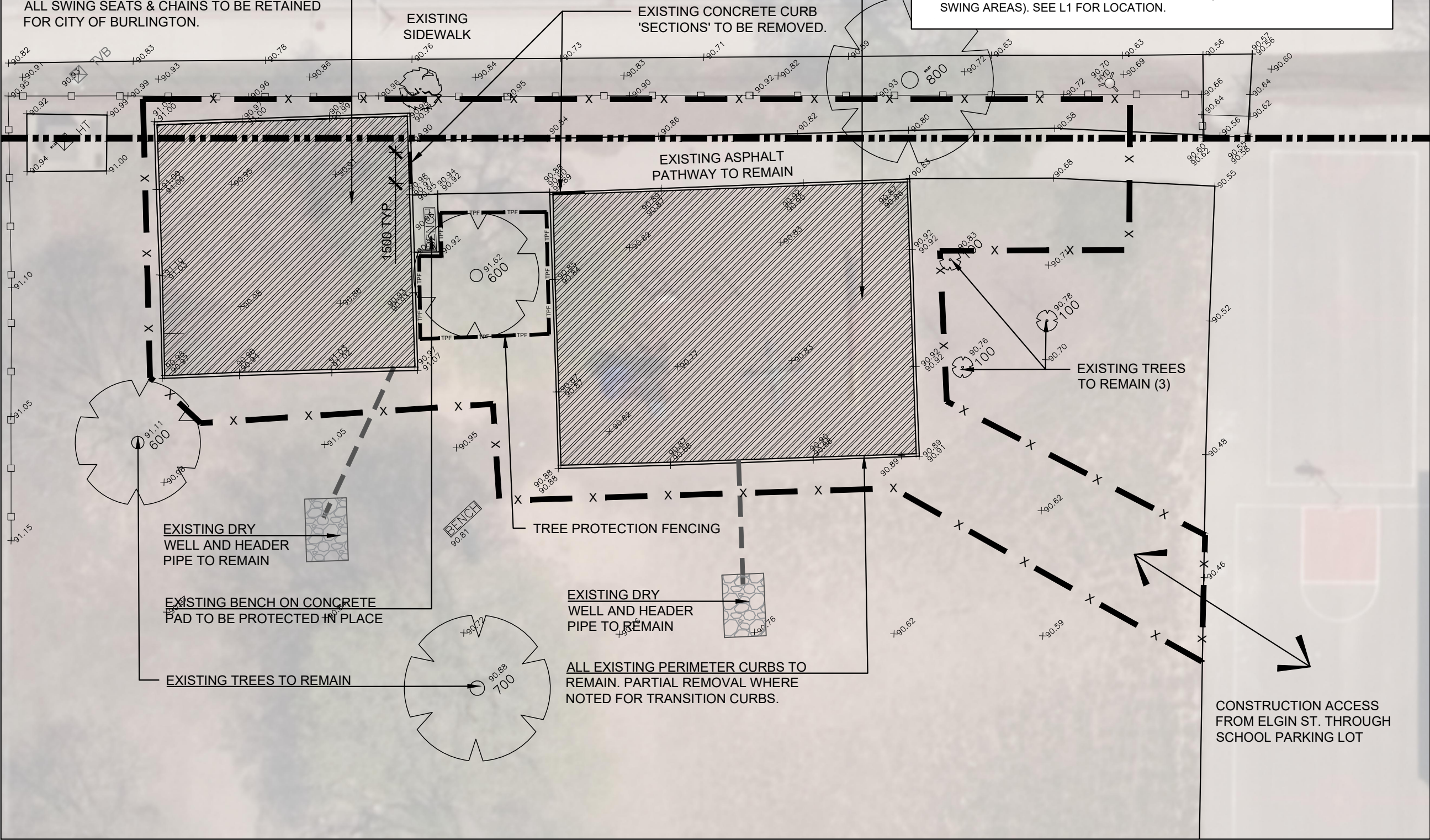
- NOTES:
- 1. SECURITY FENCING TO BE INSTALLED AROUND PLAYGROUND TO RESTRICT ACCESS UNTIL CONSTRUCTION WORKS ARE COMPLETED AND NEW EQUIPMENT IS DEEMED COMPLIANT BY BY 3rd PARTY CSA INSPECTOR.
 - 2. TREE PROTECTION FENCING TO BE MAINTAINED IN PROPER CONDITION FOR DURATION OF CONTRACT.
 - 3. GENERAL CONTRACTOR TO COORDINATE WITH PLAYGROUND MANUFACTURER FOR INSTALLATION OF NEW PLAYGROUND EQUIPMENT. SUPPLY & INSTALLATION OF PLAYGROUND ARE NOT IN CONTRACT. DESIGN 1 CENTRAL PS AS PER RFP-24-242 BY OPEN SPACE SOLUTIONS INC.
 - 4. PLAYGROUND CURB DIMENSIONS DENOTE INSIDE OF CURB.
 - 5. DRAINAGE TILE INSIDE CURB TO BE CAREFULLY REMOVED. RETAIN EXISTING CONNECTION TO HEADER PIPE AND DRYWELL (BOTH PLAYGROUND AND SWING AREAS). SEE L1 FOR LOCATION.

REMOVE & DISPOSE OF EXISTING SWING STRUCTURE, ALL CONCRETE FOOTINGS, RUBBER WEAR MATS, ENGINEERED WOOD FIBRE AND SUB-DRAIN MATERIAL.

ALL SWING SEATS & CHAINS TO BE RETAINED FOR CITY OF BURLINGTON.

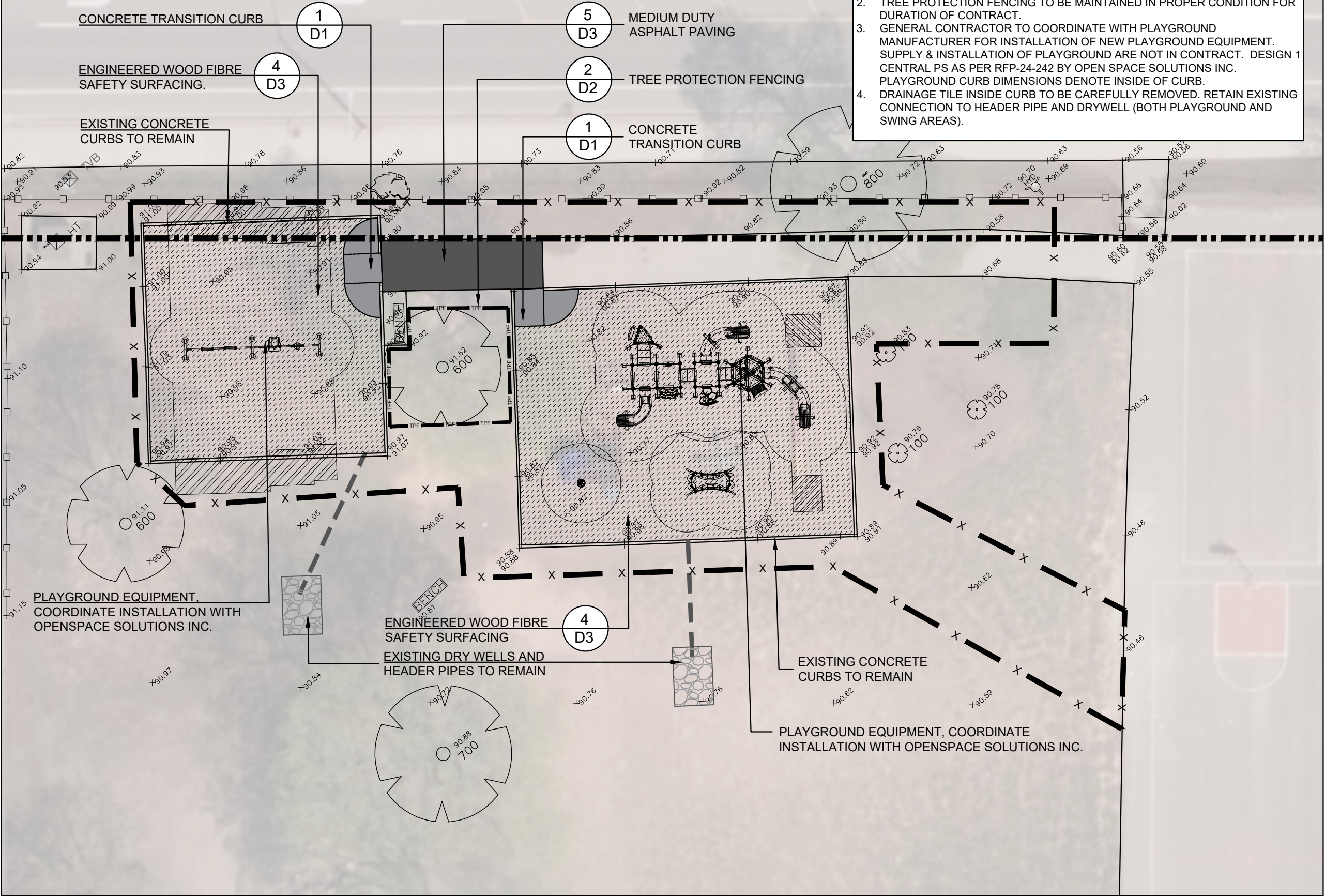
REMOVE & DISPOSE OF EXISTING PLAY STRUCTURE, ALL CONCRETE FOOTINGS, RUBBER WEAR MATS, ENGINEERED WOOD FIBRE AND SUB-DRAIN MATERIAL.

EXISTING CONCRETE CURB 'SECTIONS' TO BE REMOVED.



BRANT ST.

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KEY MAP

OLGA DR. SITE LOCATION

BALDWIN ST. VICTORIA AVE

LEGEND

- PROPERTY LINE
- CONSTRUCTION FENCE
- TREE PRESERVATION FENCE
- EX. TREES TO REMAIN
- PROPOSED CONCRETE PAVING
- ENGINEERED WOOD FIBRE SURFACING
- EXISTING DRY WELL
- EXISTING HEADER PIPE
- PROPOSED ASPHALT PAVING

0 1 3 5

NO.	DATE	REVISION	BY
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City of Burlington

CENTRAL PUBLIC SCHOOL
PLAYGROUND IMPROVEMENTS
CONTRACT ES-25-21

PARK CLASSIFICATION
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SCALE: 1:200
DRAWN BY: CM
DESIGNED BY: KN
CHECKED BY: KN
APPROVED BY: MR
DATE: MARCH 2025

LAYOUT PLAN

L1

BRANT ST.

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KEY MAP

LEGEND

- PROPERTY LINE
- CONSTRUCTION FENCE
- TREE PRESERVATION FENCE
- EX. TREES TO REMAIN
- PROPOSED CONC. PAVING
- ENGINEERED WOOD FIBRE SURFACING
- EXISTING DRY WELL
- EXISTING HEADER PIPE
- PROPOSED 150mm Ø PERFORATED DRAINAGE TILE
- PROPOSED ASPHALT PAVING
- REHABILITATION AREA - 100mm TOPSOIL AND SOD

0 1 3 5

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City of Burlington

CENTRAL PUBLIC SCHOOL
PLAYGROUND IMPROVEMENTS
CONTRACT ES-25-21

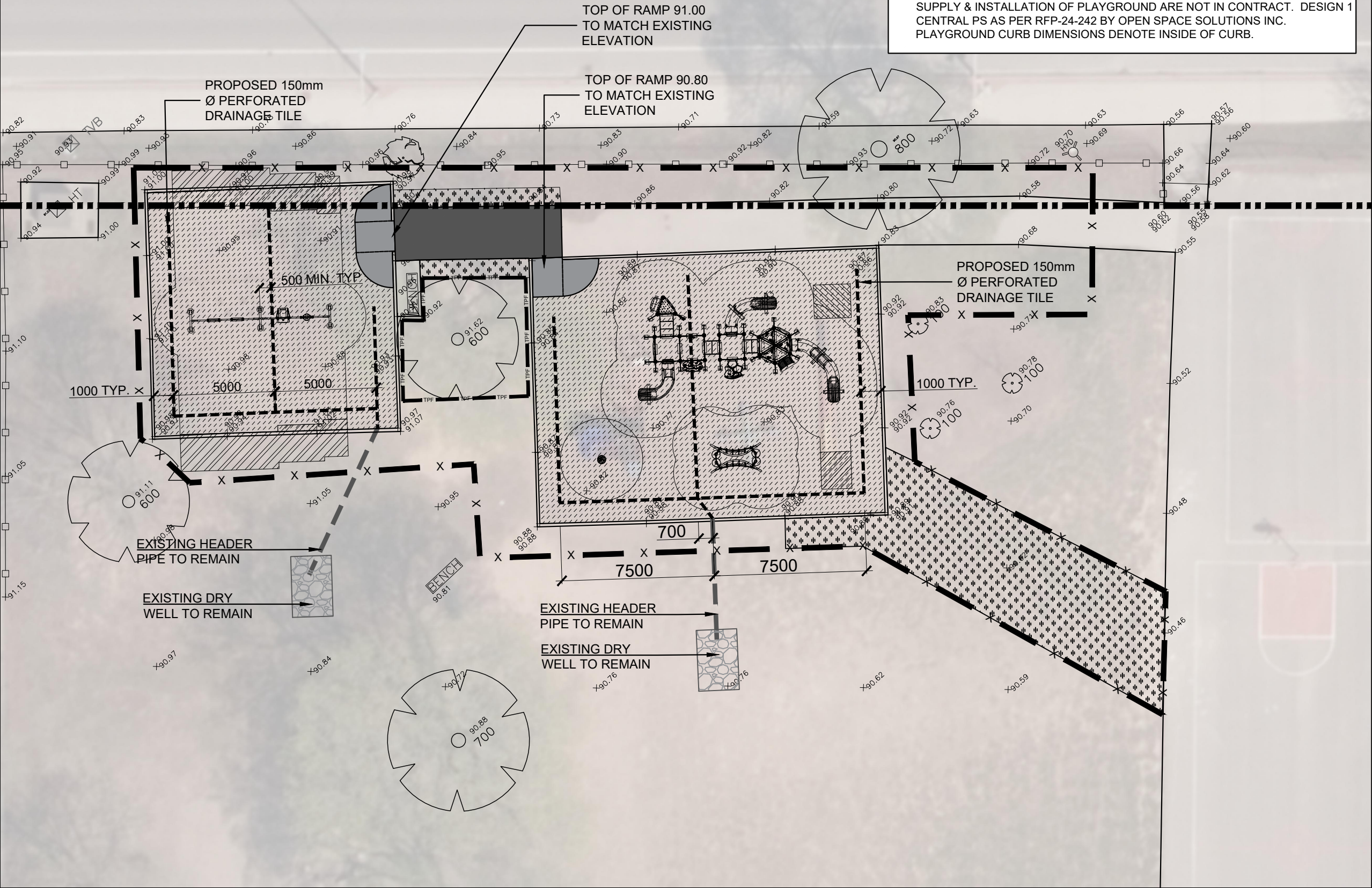
PARK CLASSIFICATION
SCHOOL

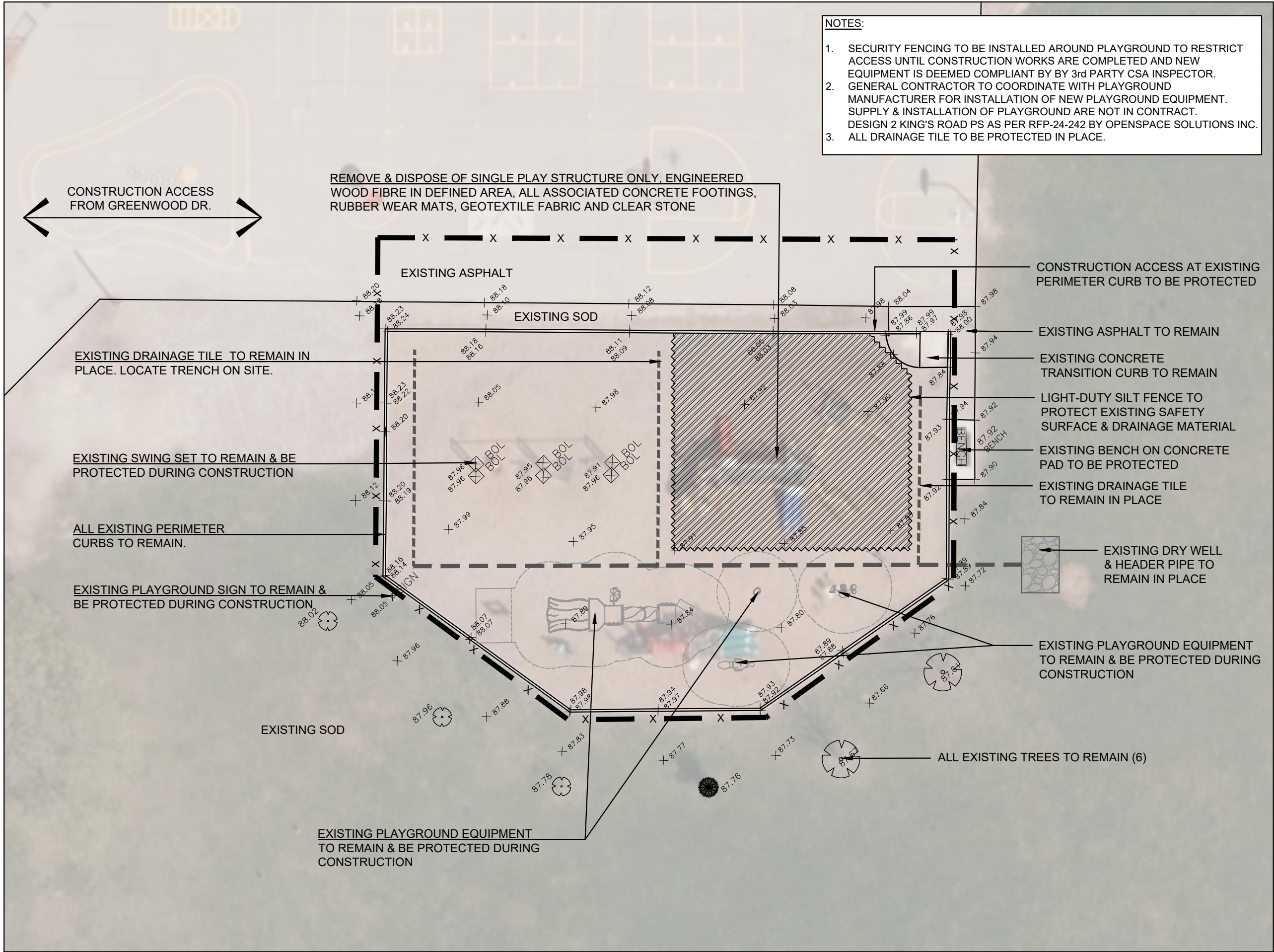
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SCALE: 1:200
DRAWN BY: CM
DESIGNED BY: KN
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APPROVED BY: MR
DATE: MARCH 2025

GRADING & RESTORATION PLAN

L2





- NOTES:
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 3. ALL DRAINAGE TILE TO BE PROTECTED IN PLACE.

KEY MAP

LEGEND

- x — CONSTRUCTION FENCE
- ⊗ EX. TREES TO REMAIN
- ▨ REMOVALS
- ⊗ EXISTING DRY WELL
- EXISTING HEADER PIPE
- - - EXISTING PERFORATED DRAINAGE TILE
- ~ LIGHT-DUTY SILT FENCE

0 1 3 5

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City of Burlington

KING'S ROAD PUBLIC SCHOOL
PLAYGROUND IMPROVEMENTS
CONTRACT ES-25-21

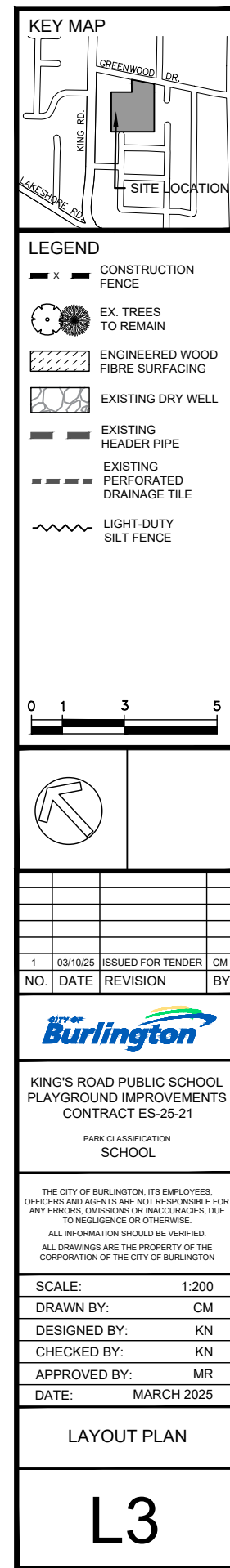
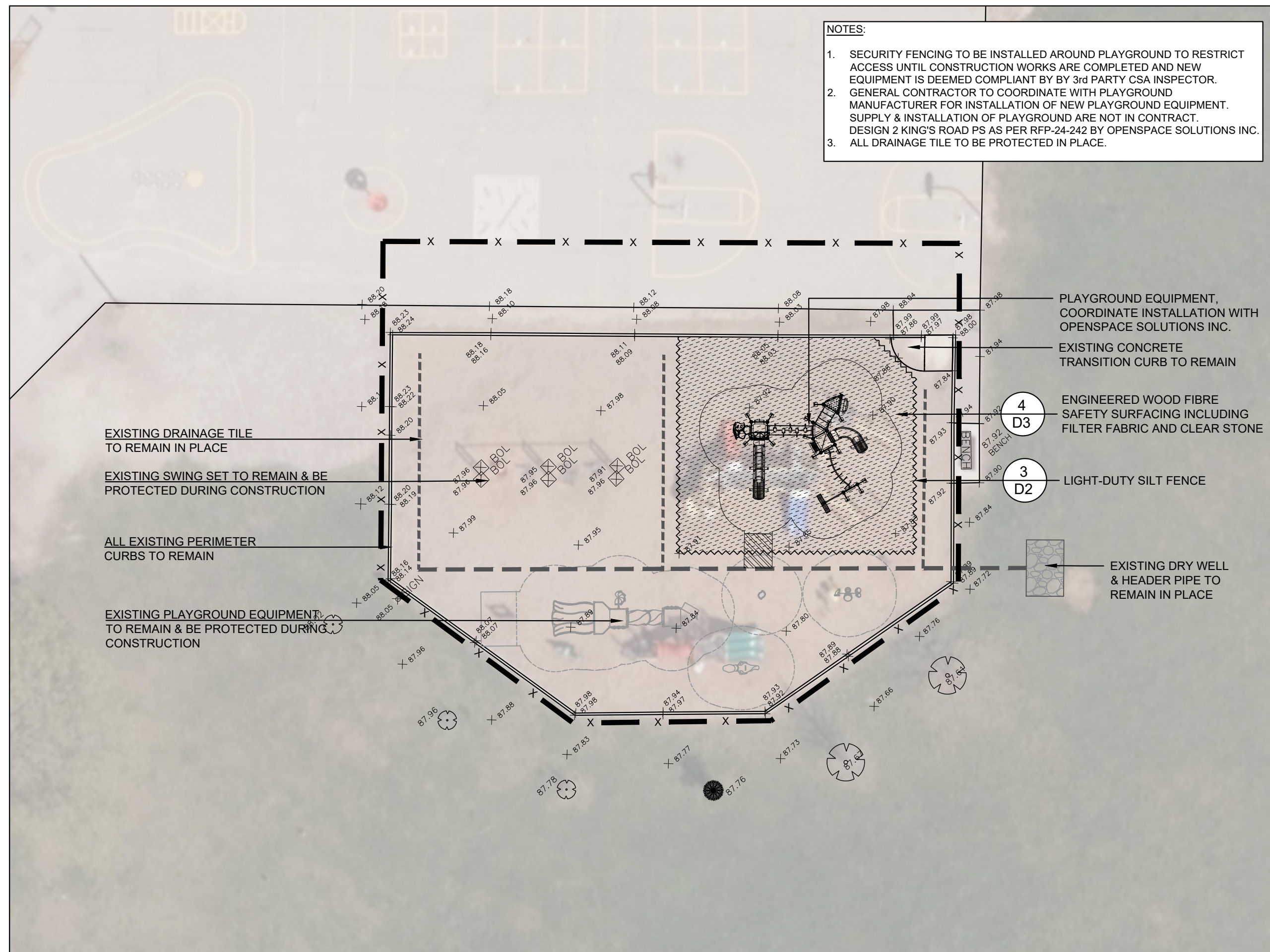
PARK CLASSIFICATION
SCHOOL

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SCALE: 1:200
DRAWN BY: CM
DESIGNED BY: KN
CHECKED BY: KN
APPROVED BY: MR
DATE: MARCH 2024

EXISTING CONDITIONS & DEMOLITION PLAN

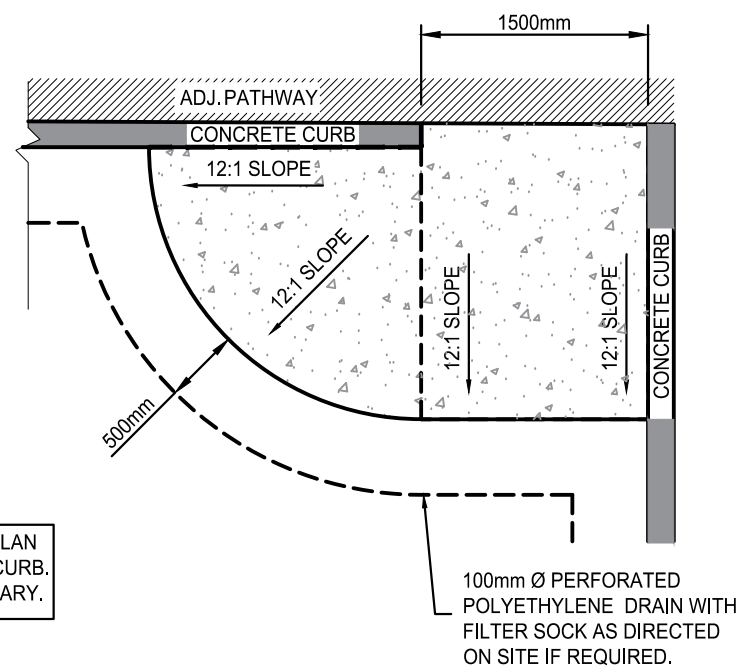
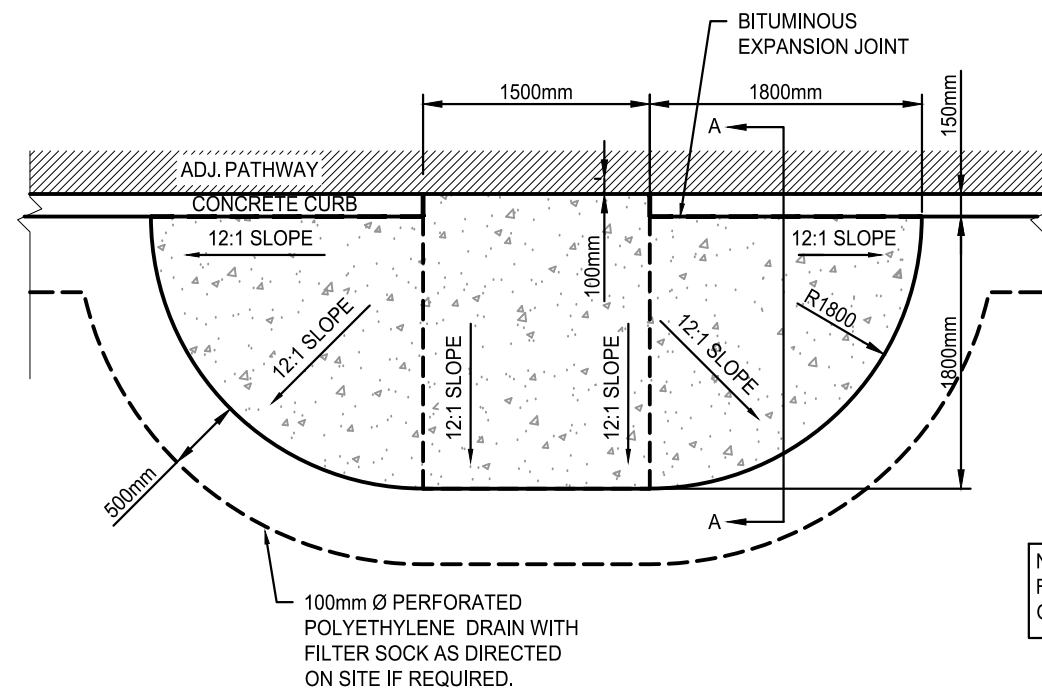
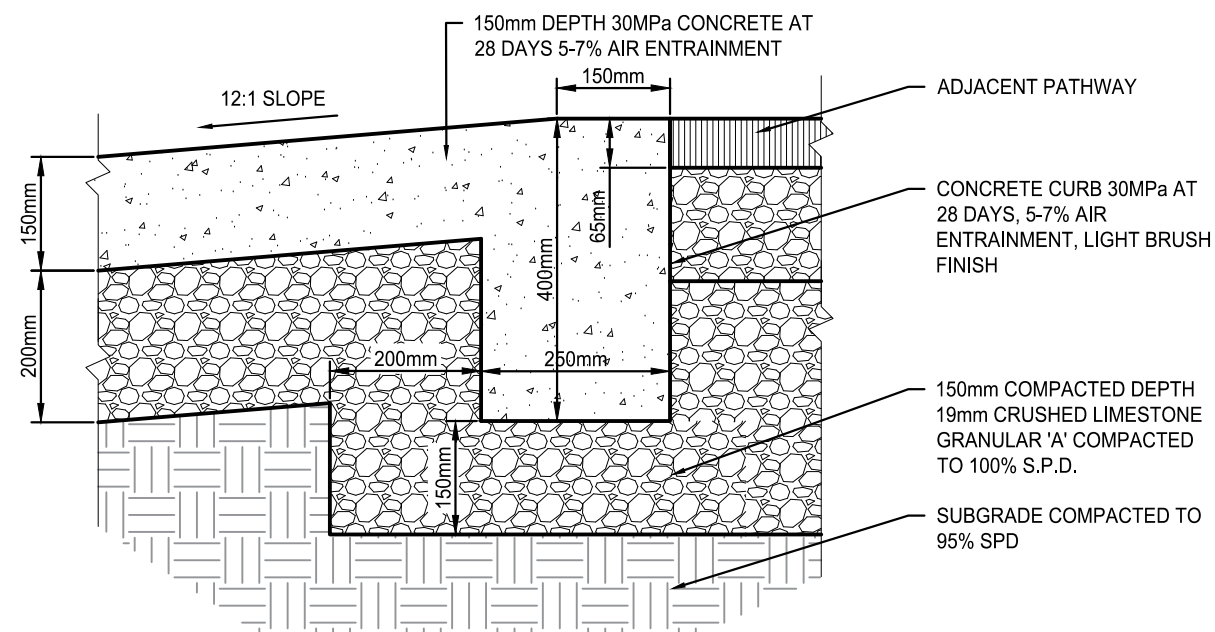
EX2



KEY	QTY	BOTANICAL NAME	COMMON NAME	CAL (mm)	CONDITION	SPACING (m)	NOTES
LS	1	Liquidambar styraciflua	Sweet Gum	50	W.B	5.0	Uniform Specimen
LT	1	Liriodendron tulipifera	Tulip Tree	50	W.B	5.0	Uniform Specimen
PO	1	Plantanus occidentalis	Sycamore Tree	50	W.B	5.0	Uniform Specimen

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 - ALL DRAINAGE TILE TO BE PROTECTED IN PLACE.





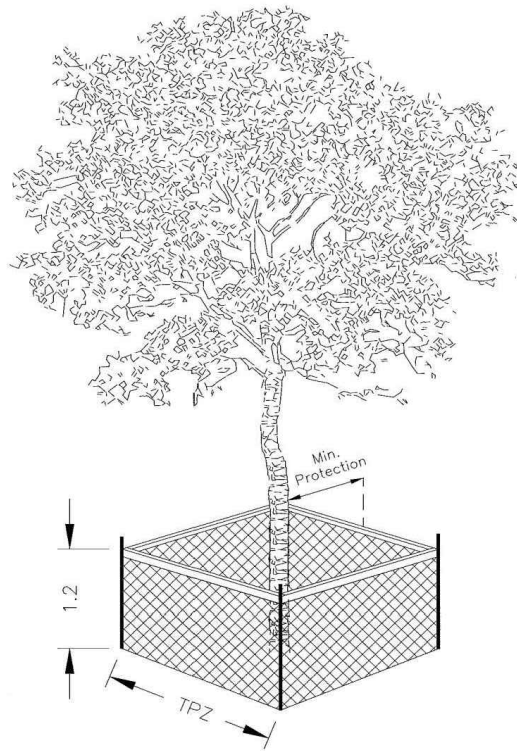
NOTE: REFER TO EACH SITE PLAN
FOR LAYOUT OF TRANSITION CURB.
ORIENTATION AND SIZE MAY VARY.

100mm Ø PERFORATED
POLYETHYLENE DRAIN WITH
FILTER SOCK AS DIRECTED
ON SITE IF REQUIRED.

N.T.S.

1	03/10/25	ISSUED FOR TENDER		CM
NO.	DATE	REVISION		BY
				
CENTRAL PS & KING'S ROAD PS PLAYGROUND IMPROVEMENTS CONTRACT ES-25-21				
PARK CLASSIFICATION SCHOOL				
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SCALE:		VARIES		
DRAWN BY:		CM		
DESIGNED BY:		KN		
CHECKED BY:		KN		
APPROVED BY:		MR		
DATE:		MARCH 2025		
DETAILS				
D1				

Tree Protection and Preservation
Specification No.: SS12A



Detail TP-1 – Tree Protection Detail.

Trunk Diameter (DBH) ²	Minimum Tree Protection Zone (MTPZ) Distances Required ³	Critical Root Zone (CRZ) Distances Required ^{3&4}
< 10 cm	1.8 m	1.8 m
11 - 40 cm	2.4 m	4.0 m
41 - 50 cm	3.0 m	5.0 m
51 - 60 cm	3.6 m	6.0 m
61 - 70 cm	4.2 m	7.0 m
71 - 80 cm	4.8 m	8.0 m
81 - 90 cm	5.4 m	9.0 m
91 - 100+ cm	6.0 m	10.0 m

NOTES:

¹ The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.

² Diameter at breast height (DBH) is the measurement of tree trunk taken at 1.4 metres above ground.

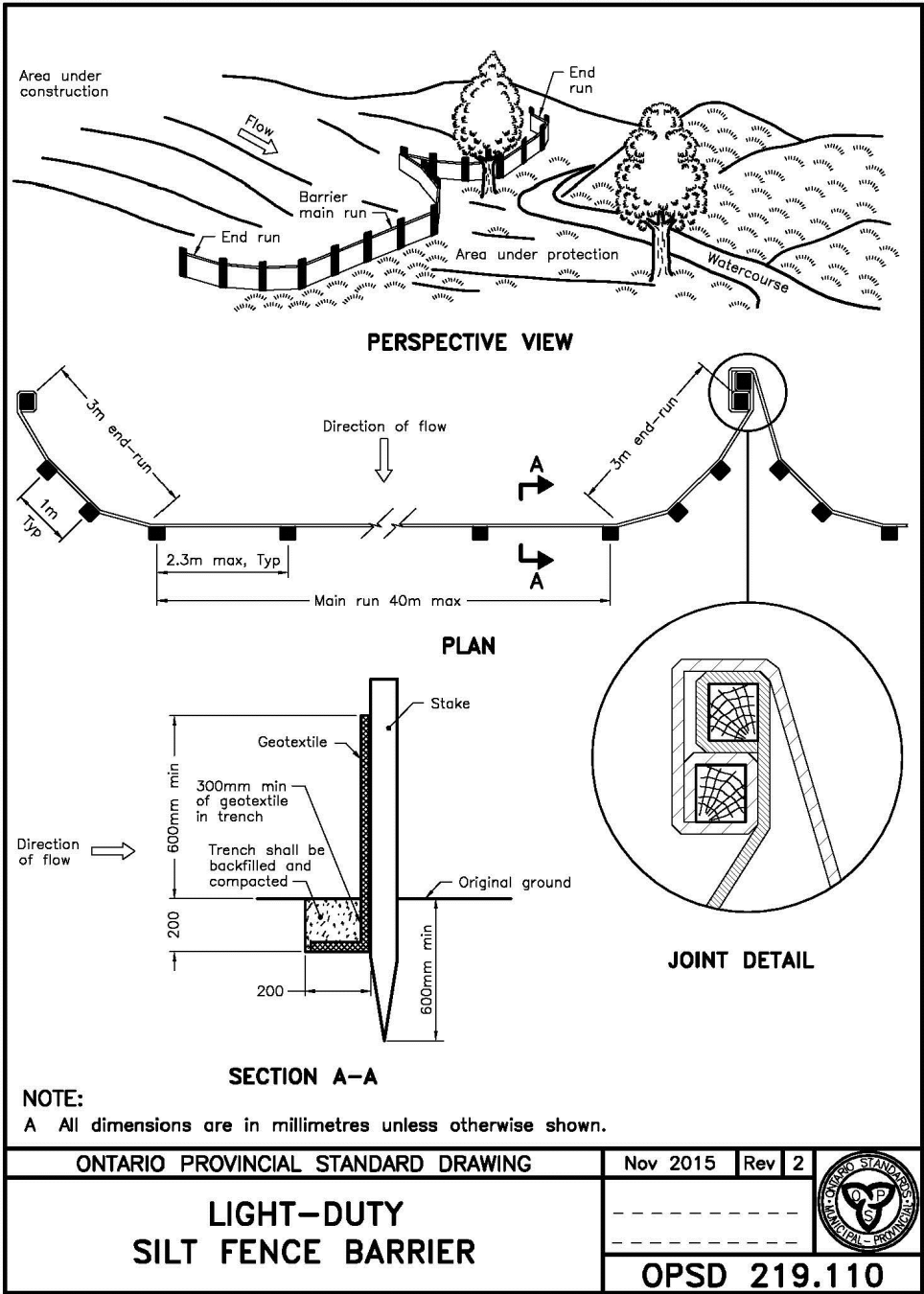
³ Minimum Tree Protection Zone and Critical Root Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work and is subject to Section 6 of this specification.

⁴ Where work is being performed beyond the Minimum Tree Protection Zone but within the Critical Root Zone the works are subject to Section 8 of this specification.

TREE PROTECTION BARRIER

- The required barrier is a 1.2 metre (4 ft) high orange plastic web snow fencing on 2" x 4" frame. Where orange plastic web snow fencing creates a restriction to sightlines, page wire fencing with reflective tape can be used.
- Tree protection barriers are to be erected prior to the commencement of any construction or grading activities on the site and are to remain in place throughout the entire duration of the project. The barriers shall be maintained erect and in good repair throughout the duration of construction operations with breaks and unsupported sections repaired immediately. Tree protection may be not be removed prior to the completion of construction without written authorization from the City Arborist.
- All supports and bracing used to safely secure the barrier should be located outside the MTPZ. All supports and bracing should minimize damage to roots.
- Where some fill or excavated material must be temporarily located near a MTPZ, a wooden barrier with silt fencing must be used to ensure no material enters the MTPZ.
- No materials or fill may be stored within the MTPZ.
- Equipment or vehicles shall not be operated, parked, repaired, or refueled within the MTPZ.
- No construction activity, grade changes, surface treatment or excavations of any kind is permitted within the MTPZ without written authorization from the City Arborist.
- A laminated Minimum Tree Protection Zone sign (See Detail TP-3 – Minimum Tree Protection Zone Sign) must be attached to the side of the Tree Protection where it will be visible by persons entering the site. Minimum size must be 10"x14".

Page 6
February 2013



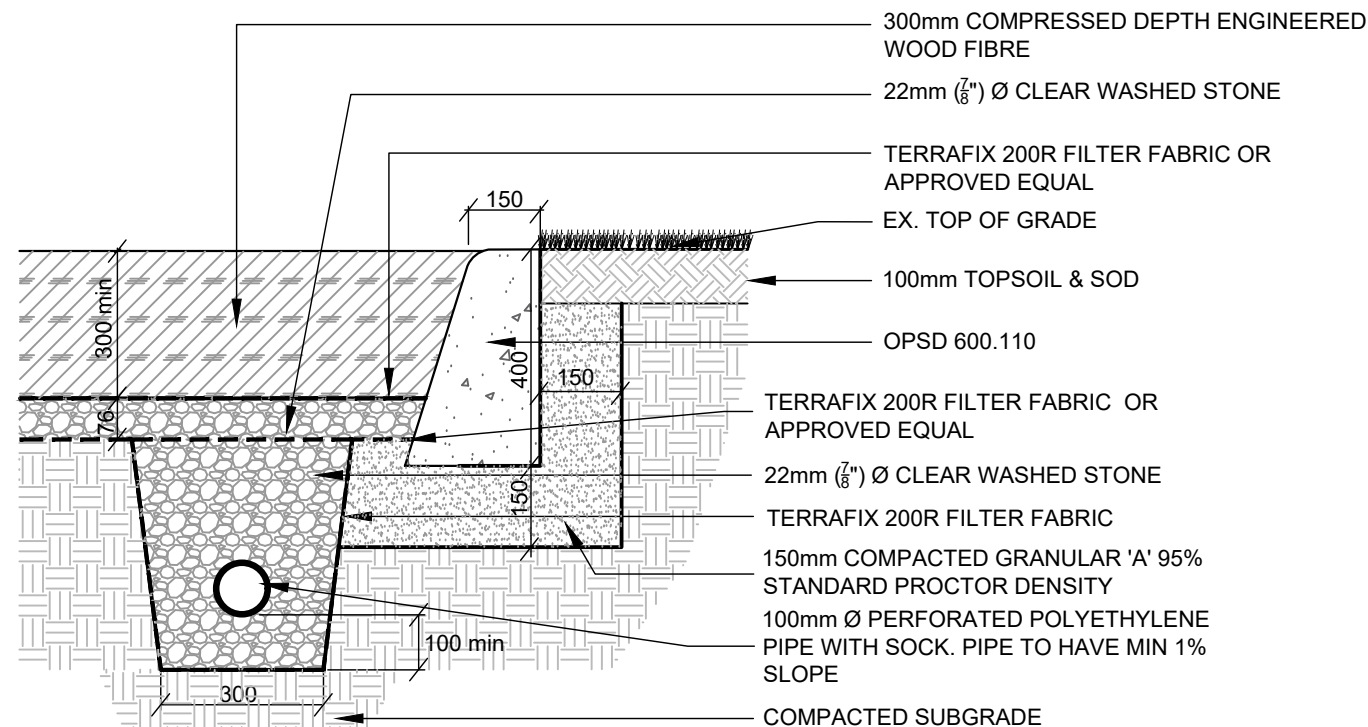
2
D2 TREE PROTECTION FENCE

N.T.S.

3
D2 LIGHT- DUTY SILT FENCE

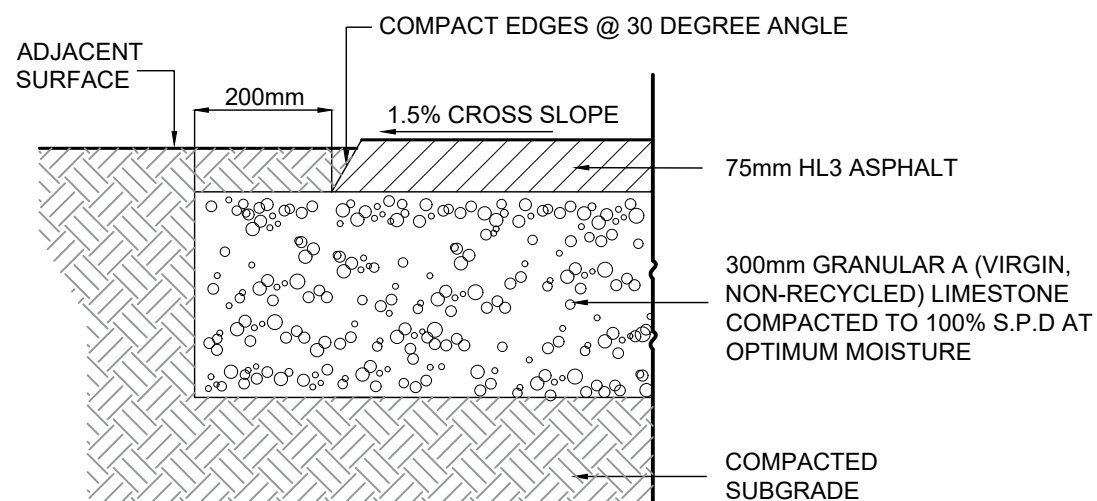
N.T.S.

CONTRACT ES-25-21 DETAILS



NOTE:
RUBBER WEAR MATS ARE TO BE INSTALLED WITH ANCHORS AND BELOW THE FULL DEPTH OF THE ENGINEERED WOOD FIBRE SURFACE. RUBBER WEAR MATS TO BE SPECIFICALLY DESIGNED FOR THE PLAYGROUND EQUIPMENT.

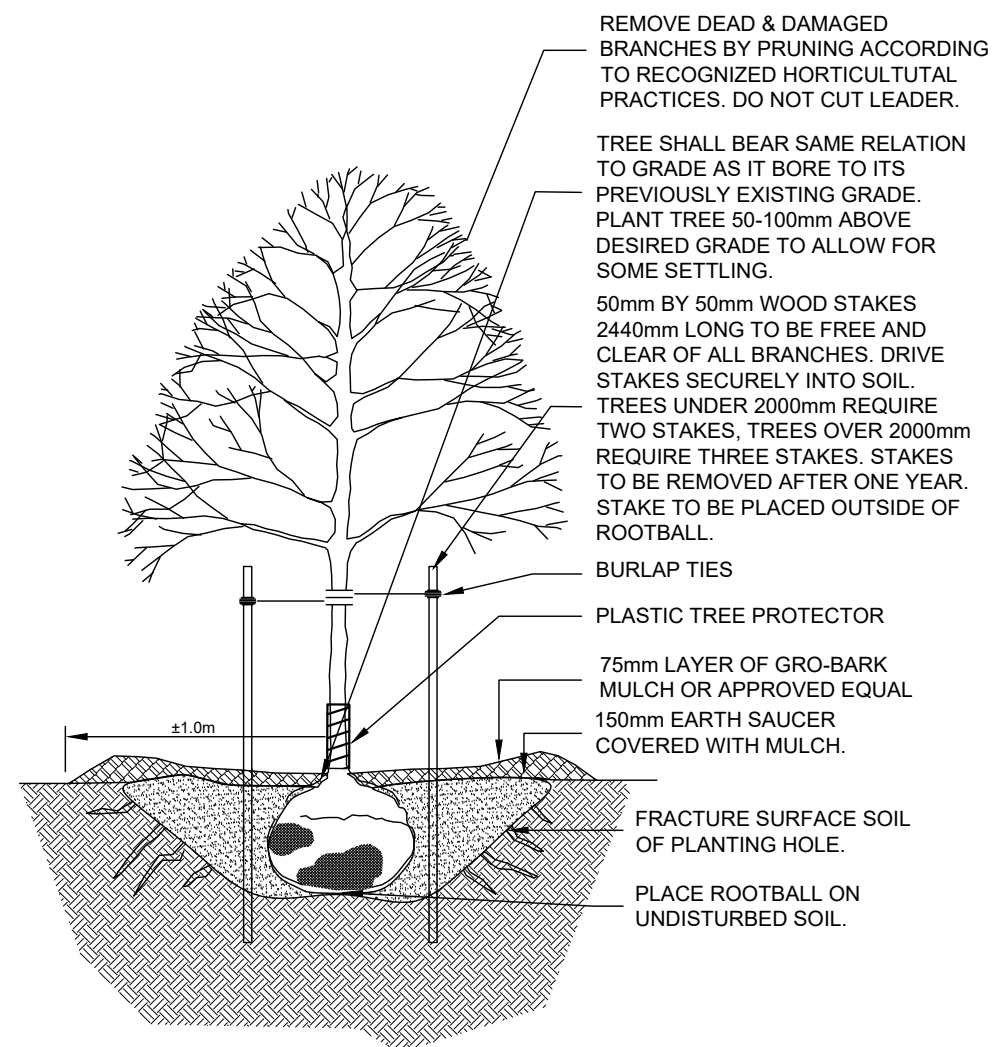
4 CONCRETE CURB & ENGINEERED WOOD FIBRE D3 PROTECTIVE SURFACE WITH SUB-DRAIN N.T.S.



5 ASPHALT PATHWAY - MEDIUM DUTY D3 N.T.S.

NOTES:

- CUT, LOOSEN AND ROLL BACK APPROX. $\frac{1}{2}$ OF TWINE, BURLAP AND WIRE ON ROOTBALL.
- BACKFILL IN 150mm LIFTS AND TAMP TO PREVENT AIR POCKETS.
- CAREFULLY REMOVE ANY LOOSE SOIL AROUND TRUNK. TOP OF ROOTBALL SHOULD NOT BE DISTURBED OR COVERED WITH SOIL.
- SOAK BACKFILLED AREA TO ENSURE FULL CONTACT BETWEEN ROOTBALL AND BACKFILL.
- BACKFILL TO CONSIST OF: 50-60% SAND, 20-40% SILT, 6-10% CLAY, 2-5% ORGANIC. 7.5 pH OR LESS, UNLESS OTHERWISE APPROVED.



6 DECIDUOUS TREE PLANTING D3 N.T.S.
