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March 25, 2026 - 11:04:56 AM - Plotted By: Ala K. Gokin

THE KING'S HIGHWAY N° 401

part 1, plan 43r-23417

part 4 plan 43r-23554

part 5 plan 43r-37791

TRANSITION TO 0.15m CURB AS PER OPSD 600.110 (TYP.)

TRANSITION FROM SINGLE LAYER SEDIMENT FENCE TO DOUBLE LAYER

14.0m MTO SETBACK

0.30m CURB AS PER OPSD 600.110 (TYP.)

ASPHALT

LANDSCAPED AREA

CSW

PROP. 81.1m SWALE @ MIN 1.0% c/w 150mm PERFORATED SUBDRAIN (SEE DETAIL ON C2.3)

PROPOSED SINGLE LAYER SEDIMENT CONTROL FENCE (SEE DETAIL)

PROPOSED ROOFTOP PONDING VIA 55 FLOW CONTROL ROOF DRAINS (0.0149 L/s/mm OF HEAD/NOTCH)
MAX DEPTH OF PONDING = 0.126m
TOTAL ROOF AREA = 26823m²
TOTAL AVAILABLE PONDING AREA = 26823m²
TOTAL STORAGE PROVIDED = 1689.8m³
MAX RELEASE RATE = 102.6 L/s
MAX ALLOWABLE RELEASE RATE=112.6 L/s

PROPOSED 1-STOREY INDUSTRIAL BUILDING DC4
FFE=212.70

PROPOSED 18.2m LONG RETAINING WALL W/ GUARD RAIL (TO BE DESIGNED BY STRUCTURAL ENGINEER). CONTRACTOR TO PROVIDE SHOP DRAWINGS. MAX HEIGHT=1.22m

PROP. 107.8m CAST IN PLACE RETAINING WALL c/w GUARD RAIL (TO BE DESIGNED BY STRUCTURAL ENGINEER). CONTRACTOR TO PROVIDE SHOP DRAWINGS. MAX HEIGHT = 0.75m

APPROX. OUTLINE OF STORM TANK

CONCRETE APRON

PROPOSED ROOFTOP PONDING VIA 63 FLOW CONTROL ROOF DRAINS (0.0149 L/s/mm OF HEAD/NOTCH)
MAX DEPTH OF PONDING = 0.125m
TOTAL ROOF AREA = 30503m²
TOTAL AVAILABLE PONDING AREA = 30503m²
TOTAL STORAGE PROVIDED = 1906.4m³
MAX RELEASE RATE = 107.8 L/s
MAX ALLOWABLE RELEASE RATE = 128.1 L/s

PROPOSED 1-STOREY INDUSTRIAL BUILDING DC5
FFE=212.70

PROP. 1m WIDE CURB CUT REDUCE CURB HEIGHT FROM 0.3m TO 0.15m

6.0m WIDE SANITARY SEWER EASEMENT

6.0m WIDE PRIVATE SANITARY SEWER EASEMENT

PROP. 131.4m CAST IN PLACE RETAINING WALL c/w GUARD RAIL (TO BE DESIGNED BY STRUCTURAL ENGINEER). CONTRACTOR TO PROVIDE SHOP DRAWINGS. MAX HEIGHT = 0.95m

PROPOSED DOUBLE LAYER SEDIMENT CONTROL FENCE (SEE DETAIL ON C1.2)(TYP.)

SILT SACK (TYP.) (SEE DETAIL ON C2.4)

PROP. 150m CAST IN PLACE RETAINING WALL c/w GUARD RAIL (TO BE DESIGNED BY STRUCTURAL ENGINEER). CONTRACTOR TO PROVIDE SHOP DRAWINGS. MAX HEIGHT = 0.98m

FIRE DEPT. CONNECTION

MATCHLINE. SEE CONTINUATION ON C2.1B

NOTE:
REFER TO SITEPLAN/LANDSCAPE PLAN FOR ALL SURFACE TYPES AND DETAILS

GRADING CERTIFICATION NOTE:
I HAVE REVIEWED THE PLANS FOR THE CONSTRUCTION OF THE PROPOSED INDUSTRIAL DEVELOPMENTS LOCATED AT 0 ARGENTIA ROAD AND 7700 TENTH LINE WEST IN MISSISSAUGA, ONTARIO AND HAVE PREPARED THESE PLANS TO INDICATE THE COMPATIBILITY OF THE PROPOSAL TO EXISTING ADJACENT PROPERTIES AND MUNICIPAL SERVICES. IT IS MY BELIEF THAT ADHERENCE TO THE PROPOSED GRADES AS SHOWN WILL PRODUCE ADEQUATE SURFACE DRAINAGE AND PROPER FACILITY OF THE MUNICIPAL SERVICES WITHOUT ANY DETRIMENTAL EFFECT TO THE EXISTING DRAINAGE PATTERNS OR ADJACENT PROPERTIES.

1. **CITY OF MISSISSAUGA STANDARD GRADING NOTES**

1.1. ALL SURFACE DRAINAGE WILL BE SELF-CONTAINED, COLLECTED & DISCHARGED AT A LOCATION TO BE APPROVED PRIOR TO THE ISSUANCE OF A BUILDING PERMIT.

1.2. THE PORTIONS OF THE DRIVEWAY WITHIN THE MUNICIPAL BOULEVARD WILL BE PAVED BY THE APPLICANT.

1.3. AT THE ENTRANCES TO THE SITE, THE MUNICIPAL CURB AND SIDEWALK WILL BE CONTINUOUS THROUGH THE DRIVEWAY AND A CURB DEPRESSION WILL BE PROVIDED FOR EACH ENTRANCE.

1.4. ALL PROPOSED CURBING WITHIN THE MUNICIPAL BOULEVARD AREA FOR THE SITE IS TO SUIT AS FOLLOWS:
1.4.1. FOR ALL SMALL FAMILY RESIDENTIAL PROPERTIES INCLUDING ON STREET TOWNHOUSES, ALL CURBING IS TO STOP AT PROPERTY LIMIT OR THE BACK OF THE MUNICIPAL SIDEWALK, WHICHEVER IS APPLICABLE; OR
1.4.2. FOR ALL OTHER PROPOSALS INCLUDING INDUSTRIAL, COMMERCIAL AND CONDOMINIUM DEVELOPMENTS, ALL ENTRANCES TO THE SITE ARE TO BE IN ACCORDANCE WITH OPSD 350.010 (SAVE AND ACCEPT DETAIL 'A' WHICH SHALL MATCH CITY OF MISSISSAUGA STANDARD 2240.031). CITY OF MISSISSAUGA STANDARD SHOULD BE FIRST AS THE ACCESS REQUIREMENT.

1.5. ALL EXCESS EXCAVATED MATERIAL WILL BE REMOVED FROM THE SITE.

1.6. THE EXISTING DRAINAGE PATTERN WILL BE MAINTAINED EXCEPT WHERE NOTED.

1.7. THE APPLICANT WILL BE REQUIRED TO CONTACT ALL UTILITY COMPANIES TO OBTAIN ALL REQUIRED LOCATES PRIOR TO THE INSTALLATION OF HOARDING WITHIN THE MUNICIPAL RIGHT-OF-WAY.

1.8. THE APPLICANT WILL BE RESPONSIBLE FOR THE COST OF ANY UTILITY RELOCATIONS NECESSITATED BY THE SITE PLAN.

1.9. PRIOR TO COMMENCING CONSTRUCTION, ALL REQUIRED HOARDING IN ACCORDANCE WITH ONTARIO OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATIONS FOR CONSTRUCTION PROJECTS, MUST BE ERECTED AND THEN MAINTAINED THROUGHOUT ALL PHASES OF CONSTRUCTION.

1.10. SHOULD ANY WORKS BE REQUIRED WITHIN THE MUNICIPAL RIGHT-OF-WAY, A ROAD OCCUPANCY PERMIT WILL BE REQUIRED. PUCC APPROVAL WILL BE REQUIRED. FOR FURTHER INFORMATION, PLEASE CONTAIN THE PUCC/PERMIT TECHNOLOGIST, AT 905-615-4950 OR BY EMAIL AT TW.COUNTER@MISSISSAUGA.CA OR SEE THE WEBSITE LINK BELOW.
HTTPS://WWW.MISSISSAUGA.CA/SERVICES--AND--PROGRAMS/TRANSPORTATION--AND--STREETS/ROADS--AND--SIDEWALKS/APPLY-FOR-A-ROAD-OCCUPANCY-PERMIT/

NOTES TO CONTRACTOR:

1. INSPECTION
CONTRACTOR IS RESPONSIBLE FOR CONTACTING ENGINEER & CITY INSPECTION STAFF 48 HRS PRIOR TO COMMENCING WORK TO ARRANGE FOR INSPECTION & OFF-SITE WORKS PERMIT TO OBTAIN. FAILURE OF INSPECTION AND TESTING REQUIRED FOR CERTIFICATION OF UNDERGROUND SERVICE INSTALLATION AS MANDATED BY ONTARIO BUILDING CODE DIVISION C, PART 1, SECTION 1.3.3. GENERAL REVIEW. FAILURE TO NOTIFY ENGINEER WILL RESULT IN EXTENSIVE POST CONSTRUCTION INSPECTION AT CONTRACTORS EXPENSE.

2. CONFIRMATION OF EXISTING INVERTS
72 HOURS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR IS TO LOCATE, EXPOSE AND VERIFY INVERTS OF EXISTING SEWERS AT CONNECTION POINTS AND REPORT FINDINGS TO M.T.E. SHOULD THE CONTRACTOR PROCEED WITHOUT COMPLETING THESE LOCATIONS, EXTRA COSTS RESULTING FROM DELAYS AND STANDBY TIME WILL NOT BE CONSIDERED.

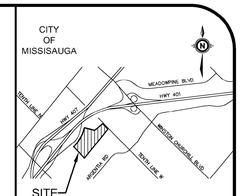
LEGEND OF EXISTING FEATURES

- SITE BOUNDARY
- EASEMENT
- EXISTING SPOT ELEVATIONS/CONTOURS
- EXISTING DIRECTION OF DRAINAGE/SWALE
- EXISTING CURB
- EXISTING FENCE
- EXISTING EMBANKMENT (SLOPE AS NOTED)

LEGEND OF PROPOSED FEATURES

- PROPOSED SPOT ELEVATIONS (+326.00, T/G=326.00, FFE=326.00) EX =MAINTAIN EXISTING; T/G =TOP OF CASTING/GRATE; INV =INVERT ELEVATION; FFE =FINISHED FLOOR ELEVATION
- DIRECTION OF DRAINAGE/SWALE (1.0% 1.0%)
- DRAINAGE SPLIT (RIDGE)
- EMBANKMENT (SLOPE AS NOTED) (TOP) 3:1 (BOTTOM)
- PROPOSED BUILDING
- OVERHEAD DOOR
- MAN DOOR
- FENCE
- CONCRETE CURB (CURB TYPE AS NOTED) (DROP CURB)
- RETAINING WALL
- OVERLAND FLOW ROUTE (MAJOR STORM)
- RAISED FOUNDATION WALL
- FCRD — FLOW CONTROL ROOF DRAIN ZURN MODEL Z105* SINGLE NOTCH *OR APPROVED EQUAL
- SEDIMENT CONTROL FENCE (SEE DETAIL ON C2.3)
- SILT SACK (SEE DETAIL ON C2.4)
- CONSTRUCTION ACCESS (SEE DETAIL ON C2.4)
- RIP RAP (SIZE & TYPE AS NOTED)
- LIGHT POLE (SEE SITE PLAN)
- SAW CUT c/w LAP JOINT

CITY OF MISSISSAUGA



KEY PLAN N.T.S.

GEODETIC BENCHMARK ELEV. = 208.076m
ELEVATIONS ARE REFERRED TO THE CITY OF MISSISSAUGA BENCHMARK No. 1045, LOCATED AT THE BASE OF A 750mmø CONCRETE TRAFFIC POLE AT THE SOUTH-WEST CORNER OF ARGENTIA ROAD AND PLAZA ENTRANCE (WALMART), HAVING A PUBLISHED ELEVATION OF 208.076 METRES.

SITE BENCHMARK ELEV. = m
SEE GEODETIC BENCHMARK

NOTE TO CONTRACTOR :
DO NOT SCALE DRAWINGS.

CONTRACTORS MUST CHECK AND VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ENGINEER BEFORE PROCEEDING WITH THE WORK.

ALL DRAWINGS REMAIN THE PROPERTY OF THE ENGINEER AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE ENGINEER'S WRITTEN PERMISSION.

THE OWNER/ARCHITECT/CONTRACTOR IS ADVISED THAT M.T.E. CONSULTANTS INC. CANNOT CERTIFY ANY COMPONENT OF THE SITE WORKS NOT INSPECTED DURING CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO NOTIFY M.T.E. CONSULTANTS INC. PRIOR TO COMMENCEMENT OF CONSTRUCTION TO ARRANGE FOR INSPECTION.

No.	REVISION	BY	YYYY-MM-DD
8.			
7.			
6.	ISSUED FOR SPA RE-SUBMISSION	RDZ	2026-03-25
5.	ISSUED FOR SPA RE-SUBMISSION	RDZ	2026-03-04
4.	RE-ISSUED FOR GRADING PERMIT	RDZ	2026-02-06
3.	RE-ISSUED FOR GRADING PERMIT	RDZ	2025-10-28
2.	ISSUED FOR SPA	RDZ	2025-08-08
1.	ISSUED FOR GRADING PERMIT	RDZ	2025-06-30

MTE
Engineers, Scientists, Surveyors
905-639-2552

LICENSED PROFESSIONAL ENGINEER
2026-03-25
R. D. ZHOU
100567167
PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

CLIENT
PETROFF PARTNERSHIP ARCHITECTS
10 AVIVA WAY SUITE 400 MARKHAM

PROJECT
PROLOGIS MEADOWVALE DC4/DC5 & DATA CENTRE
7700 TENTH LINE WEST (DATA CENTRE)
0 ARGENTINA ROAD (DC4/DC5) MISSISSAUGA

DRAWING
SITE GRADING PLAN 1

Project Manager	R.ZHOU	Job No.	60549_001
Design By	NZR	Checked By	RDZ
Drawn By	AXG	Checked By	NZR
Surveyed By	Others	Drawing No.	C2.1A
Date	Jun.11/25		
Scale	1:400	Sheet 4 of 9	