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August 8, 2025 - 10:05:13 AM - Plotted By: Alex X. Gukin

THE KING'S HIGHWAY N° 401

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

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

TEMPORARY CUT-OFF SWALE @ MIN. 0.6% (SEE DETAIL ON THIS SHEET)

ROCK CHECK DAM PER CITY STANDARD (SEE DETAIL ON C1.2)

MATCH INTO EX. GRADES w/ 3:1 SLOPE MAX.

TEMPORARY CUT-OFF SWALE @ MIN. 0.5% (SEE DETAIL ON THIS SHEET)

ROCK CHECK DAM PER CITY STANDARD (SEE DETAIL ON C1.2)

7.7m LONG x 2m WIDE x 0.3m DEEP ~150mm# RIP RAP (TYP.)

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

PROPOSED SILT/TURBIDITY CURTAIN PER OPSD 219.260 AND 219.261 (SEE DETAIL ON C1.2)

PROPOSED TEMPORARY SEDIMENT BASIN OUTLET (SEE DETAIL ON C1.3)

TEMPORARY SEDIMENT BASIN SB-1
TOP OF BERM = 210.95
EMERGENCY SPILLWAY =210.65
TOP OF ACTIVE VOL = 210.55
TOP OF DEAD VOL = 210.00
BOTTOM OF BASIN= 209.00
ACTIVE VOL PROVIDED = 1792m³
DEAD VOL PROVIDED = 2601m³
(SEE C1.3 FOR SUMMARY SHEET AND EMERGENCY SPILLWAY RIP RAP SIZING)

1.8m HIGH FENCE AND WARNING SIGN AROUND BASIN PERIMETER (SEE DETAIL ON C1.2)

PROPOSED CB SEDIMENT TRAP FOR UNPAVED AREAS (SEE DETAIL ON C1.2)

TEMPORARY CUT-OFF SWALE @ MIN. 0.5% (SEE DETAIL ON THIS SHEET)

ROCK CHECK DAM PER CITY STANDARD (SEE DETAIL ON C1.2)

CONSTRUCTION MUD MAT AS PER CITY OF MISSISSAUGA STD NO. 2970.010 (SEE DETAIL ON C1.2)

PROPOSED ROADWAY CB SEDIMENT CONTROL DEVICE (SEE DETAIL ON C1.2)

APPROXIMATE TOPSOIL STOCKPILE AREA

APPROXIMATE LOCATION OF TOPSOIL STOCKPILE. CONTRACTOR TO CONFIRM PRIOR TO CONSTRUCTION IN CONSTRUCTION STAGING PLAN

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

TEMPORARY CUT-OFF SWALE @ MIN. 1.2% (SEE DETAIL ON THIS SHEET)

ROCK CHECK DAM PER CITY STANDARD (SEE DETAIL ON C1.2)

0.5m FLAT STRIP

TEMPORARY CUT-OFF SWALE @ MIN. 0.6% (SEE DETAIL ON THIS SHEET)

ROCK CHECK DAM PER CITY STANDARD (SEE DETAIL ON C1.2)

1.8m HIGH FENCE AND WARNING SIGN AROUND BASIN PERIMETER (SEE DETAIL ON C1.2)

7.7m LONG x 2m WIDE x 0.3m DEEP ~150mm# RIP RAP (TYP.)

CONSTRUCTION MUD MAT AS PER CITY OF MISSISSAUGA STD NO. 2970.010 (SEE DETAIL ON C1.2)

CONTRACTOR TO INSTALL 12m~350mm# CSP CULVERT UNDERNEATH CONSTRUCTION ENTRANCE TO ENSURE EXISTING SWALE DRAINAGE IS MAINTAINED

TEMPORARY SEDIMENT BASIN SB-2
TOP OF BERM = 209.65
EMERGENCY SPILLWAY =209.35
TOP OF ACTIVE VOL = 209.25
TOP OF DEAD VOL = 208.85
BOTTOM OF BASIN= 208.00
ACTIVE VOL PROVIDED = 371m³
DEAD VOL PROVIDED = 506m³
(SEE C1.3 for SUMMARY SHEET AND EMERGENCY SPILLWAY RIP RAP SIZING)

PROPOSED TEMPORARY SEDIMENT BASIN OUTLET (SEE DETAIL ON C1.3)

PROPOSED SILT/TURBIDITY CURTAIN PER OPSD 219.260 AND 219.261 (SEE DETAIL ON C1.2)

MATCH INTO EX. GRADES w/ 3:1 SLOPE MAX.

TENTH LINE WEST

2.5m MIN.
0.15m MIN.

TYPICAL DRAINAGE SWALE
N.T.S.

LEGEND OF EXISTING FEATURES

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

LEGEND OF PROPOSED FEATURES

- PROPOSED SPOT ELEVATIONS
  EX =MAINTAIN EXISTING
  T/G =TOP OF CASTING/GRATE
  INV =INVERT ELEVATION
  FFE =FINISHED FLOOR ELEVATION
- DIRECTION OF DRAINAGE/SWALE
- EMBANKMENT (SLOPE AS NOTED)
- FENCE
- RIP RAP (SIZE & TYPE AS NOTED)
- SEDIMENT CONTROL FENCE (SEE DETAIL)
- SILT SACK (SEE DETAIL)
- CONSTRUCTION ACCESS (SEE DETAIL)
- ROCK FLOW CHECK DAM (SEE DETAIL)

CITY OF MISSISAUGA

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 750mm# 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.			
5.			
4.			
3.			
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
2025-08-08
R. D. ZHOU
100567167
PROVINCE OF ONTARIO

NOT FOR CONSTRUCTION

CLIENT
PETROFF PARTNERSHIP ARCHITECTS
10 AVIVA WAY SUITE 400 MARKHAM

PROJECT
PROLOGIS MEADOWVALE DISTRIBUTION CENTRE
7564 TENTH LINE WEST MISSISSAUGA

DRAWING
EXISTING CONDITIONS & EROSION AND SEDIMENT CONTROL PLAN

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.	C1.1
Date	Apr.15/25		
Scale	1:750	Sheet 1 of 9	