FOR WINSTON CHURCHILL BLVD ROAD WIDENING DESIGN REFER TO PLANS BY EMC GROUP LTD.

FOR WINSTON CHURCHILL BLVD HYDRO RELOCATION & STREET LIGHT DESIGN REFER TO PLANS BY RTG SYSTEMS.

NOTE: SURVEY DATA USED FOR THE EXISTING TOPOGRAPHY PREPARED BY KRCMAR DATED: FEB 3, 2015

WINSTON CHURCHILL BLVD

(ROAD ALLOWANCE BETWEEN REGIONS OF HALTON AND PEEL)

CANADIAN PACIFIC RAILWAY

PROPOSED FUTURE 4 LANE ROAD ALLOWANCE

EXISTING 300mm dia. WATERMAIN (REGION OF PEEL)

EXISTING PROPERTY LINE

FUTURE PROPERTY LINE

REFER TO STREET LIGHTING DWGS BY RTG FOR INFORMATION

BLDG 'A'
INDUSTRIAL / WAREHOUSE
30,911.85 m²
(332,732 sqft)
FFE 95.20

FFE = 95.20

ROOF DRAINS TO BE WATTS RD-103, VANDAL PROOF, WITH A TOTAL OF 76 DRAINS AT VARYING HEAD. EACH NOTCH TO BE RATED AT 5 GPM/INCH HEAD.
TOTAL ROOF FLOW = 118.0 l/s

TOTAL Q_{roof} = 118.0/s

TOTAL ROOF STORAGE VOLUME = 2,597.9m³
(MAX. PONDING DEPTH 150mm)

MINIMUM TOTAL SUPPER LENGTH REQUIRED AT 50mm MAX DEPTH = 82.4m

PRINCIPAL ENTRANCE
OFFICE

1.8m CHAIN LINK FENCE

SONOMA STONE GRAVITY RETAINING WALL

WALL HEIGHT 0.75m

WALL HEIGHT 1.55m

WALL HEIGHT 1.75m

MAX WSL 93.75
AREA = 7.25m²
DEPTH = 0.25m
VOL=AE/2
VOL=5778m²x0.25m/3
VOLUME=481.5m³

DRY POND AREA
BOTTOM 90.00
EXT. WL 90.87
HWL 93.75
TOP 94.00
VOLUME=3,400m³

OFFICE

PRINCIPAL ENTRANCE

SIAMESE

BLDG A
S 91.55

BLDG A SAN
E 90.81

3:1 SLOPE LIMIT

FENCE

OWNERSHIP LIMIT

PROPERTY LINE

0.3 m RESERVE (TO BE DEDICATED TO REGION OF HALTON)

LANDSCAPED AREA

RETAINING WALL W/ GUARDRAIL, SEE CIVIL DWGS

EXISTING REGIONAL FLOODPLAIN LIMITS

PROPOSED REGIONAL FLOODPLAIN LIMITS

RIP RAP AT STORM OUTLET 150~200mm DIA, 600mm THICK
3.0m WIDE
6.0m LONG

SWM POND

BACKUP GENERATOR FOR STORM POND WITH CONC. PAD

4.3m HIGH ACOUSTIC BARRIER, LENGTH 175.25m

5.0m WIDE EMERGENCY OVERLAND SPILLWAY ELEV. 94.00 SEE DETAIL DWG. G-1

5.0m WIDE OVERLAND SPILLWAY

OVERLAND SPILL DETAIL
SCALE: 1:300

CROSS SECTION
LOADING AREA EMERGENCY OVERLAND SPILLWAY TO WATERCOURSE DETAIL
SCALE 1:75

CROSS SECTION
DRY POND EMERGENCY OVERLAND SPILLWAY TO WATERCOURSE DETAIL
SCALE 1:75

KEY MAP N.T.S

SITE LOCATION

TYPICAL SECTION - NOT FOR CONSTRUCTION

SonomaStone 750
Retaining Wall Gravity Section
1850mm (6.0ft)
Site: Surcharge - Clays
with Granular

100 YEAR AND REGIONAL FLOODLINE INFORMATION TAKEN FROM CVC FLOOD HAZARD MAP FOR CLEARVIEW CREEK WATERSHED, SHEET 3

NOTE: THE SUBJECT APPLICATION FOR THE PROPOSED WORKS LOCATED ON 560 WINSTON CHURCHILL BLVD INCLUDING THE PROPOSED ALTERATION TO THE FLOODPLAIN WILL BE UNDERTAKEN SEPARATELY FROM THE SUBJECT APPLICATION. SEE APPLICATION SP.1601.028/01.REFER TO DRAWINGS: G-1, G-2, G-3, G-4, C-1 & STM-1

LEGEND

- EXISTING ELEVATION
- EXISTING ELEVATION
- PROPOSED ELEVATION
- PROPOSED TOP OF CURB ELEVATION
- PROPOSED TOP OF WALL ELEVATION
- PROPOSED BOTTOM OF WALL ELEVATION
- PROPOSED SWALE ELEVATION
- EMC WIDENING ELEVATION
- CATCHBASIN
- CATCHBASIN MANHOLE
- STORM MANHOLE
- SANITARY MANHOLE
- VALVE AND BOX
- HYDRANT AND VALVE
- WATER METER
- 100YR STORMWATER PONDING AREA ELEV. 93.75
- OVERLAND FLOW ROUTE
- REGULATORY FLOODLINE
- SECTION NUMBER
- REGIONAL FLOOD ELEVATION
- 100YEAR FLOOD ELEVATION
- ACOUSTIC FENCE
- VEHICLE GUARD RAIL OPSD 912.130
- TREE PROTECTION FENCE AS PER TOWN STANDARDS

SECTION 1
MID-POINT OF SITE FRONTAGE
SCALE: V1:50; H1:500

SECTION C1–C1: CLEARVIEW CREEK CHANNEL EASEMENT (TYPICAL)
SCALE 1:100

PONDING AREA CROSS SECTION TYPICAL DETAIL
SCALE 1:100

SEE DWG. G2

SECTION A – A
SCALE: V1:50; H1:500

SECTION 3
SCALE: V1:50; H1:500

SECTION 4
SCALE: V1:50; H1:500

SECTION 5
SCALE: V1:50; H1:500

SECTION 14
SCALE: V1:50; H1:500

SECTION 15
SCALE: V1:50; H1:500

SECTION 16
SCALE: V1:50; H1:500

ACOUSTIC FENCE DRAINAGE DETAIL
SCALE: NTS

SECTION 2
AT DRIVEWAY
SCALE: V1:50; H1:500

SECTION B – B
SCALE: V1:50; H1:500

SECTION C – C
SCALE: V1:50; H1:500

SECTION D – D
SCALE: V1:50; H1:500

SECTION E – E
SCALE: V1:50; H1:500

SECTION F – F
SCALE: V1:50; H1:500

SECTION G – G
SCALE: V1:50; H1:500

CONTRACTOR TO BE RESPONSIBLE FOR VERIFYING THE LOCATIONS OF ALL EXISTING UNDERGROUND AND ABOVE UTILITIES AND SERVICES. THE CONTRACTOR SHALL ADVISE THE ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH CONSTRUCTION. VARIOUS UTILITIES CONCERNED TO BE GIVEN REQUIRED ADVANCED NOTICE PRIOR TO ANY DIGGING FOR STAKE OUT. A.M. CANDARAS ASSOCIATES INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.

APR 26/24
A. M. CANDARAS
PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

No.	Date	By	REVISIONS
5	APR 26/24	RPA	FIFTH SUBMISSION
4	DEC 14/23	RPA	FOURTH SUBMISSION
3	DEC 19/22	FP	THIRD SUBMISSION
2	DEC 15/21	FP	SECOND SUBMISSION
1	APR 9/21	FP	FIRST SUBMISSION

a.m.candaras associates inc.
consulting engineers
8551 Weston rd., suite 203
Woodbridge ont. L4L 9R4
905-850-8020 Fax 905-850-8099
Email: civil@amcal.com

772 WINSTON CHURCHILL BLVD.

SPA 1601.029/01
Region of Peel No. C602647

TOWN OF OAKVILLE
REGION OF HALTON

ABOVE GROUND GRADING AND SWM PLAN - EAST SITE AREA

SCALE: 1:500	DATE: APR 2021	PROJ No.	2060
DRAWN: F.P.	CHK'D: A.M.C.	PLAN No.	G-1
DESIGNED: A.M.C.	SHEET 1 OF 6		

PLOTTED BY: jim_m 2024-4-25pm
FILENAME: G:\2060\2024-04\