## **SURVEY NOTES: DESIGN INFORMATION ONLY** SURVEY COMPLETED BY CUNNINGHAM McCONNELL LIMITED. (2019/FEB/11) EXISTING UTILITIES AND SERVICES SECTION 'A' PROPOSED STRUCTURE TO BE-PLAN No.: 44-16-1 OLS FILE No.: 44-16UTM N CONTRACTOR SHALL NOTE THAT THE CONSTRUCTION ZONE HAS NUMEROUS EXISTING UNDERGROUND WATERPROOFED IF EXPOSED. PR. STM MH 5 BEARINGS ARE GRID, NAD 83, 6° U.T.M., ZONE 17, CENTRAL MERIDIAN 81° WEST NOT "AS CONSTRUCTED" UTILITIES AND SERVICES, SOME OF WHICH ARE TO BE ABANDONED OR REMOVED, AND OTHERS WATERPROOFING SHALL BE INSTALLED LONGITUDE, BEING RELATED TO CONTROL STATIONS 04519910052 & 00819800334 (OPSD 701.010) WHICH ARE TO BE PROTECTED AND MAINTAINED IN SERVICE. AROUND ALL EXTERIOR SECTION 1200mmø LID PER OPSD DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE . PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL RETAIN THE SERVICES OF A COMPANY, WHICH JOINTS, AND THE WATERPROOF REGIONAL MUNICIPALITY OF HALTON, ITS EMPLOYEES, SCALE FACTOR OF 0.9997217 401.010 (CLOSED) SPECIALIZES IN SUBSURFACE UTILITY ENGINEERING FOR THE PURPOSES OF LOCATING, MARKING AND MEMBRANE SHALL EXTEND OFFICERS AND AGENTS ARE NOT RESPONSIBLE T/G = 177.85SURVEYING ALL UNDERGROUND UTILITIES AND COMPLETELY AROUND ALL JOINTS WITH FOR ANY ERRORS, OMISSIONS OR INACCURACIES, -SITE LOCATION **CONTROL STATIONS:** SERVICES. ALL CURRENT METHODS SHALL BE USED FOR THESE LOCATIONS INCLUDING ELECTRONIC $\dot{W}$ INV = 176.04 A MINIMUM 300mm WIDE STRIP WHETHER DUE TO THEIR NEGLIGENCE OR OTHERWISE. EX. S INV = 175.89METHODS, VACUUM EXCAVATIONS, SURVEYING MANHOLES AND CHAMBERS, ETC. CENTERED ON THE JOINT. 04519910052: NORTHING-4815804.238; EASTING-603545.056 ALL INFORMATION SHOULD BE VERIFIED. EX. N INV = 175.89GROUND THE UTILITIES AND SERVICES SHALL BE SURVEYED AND TIED IN TO THE PROJECT COORDINATE 179.00 00819800334: NORTHING-4818536.656; EASTING-605644.930 BENCHING PER OPSD SYSTEM. A COPY OF THE SURVEY SHALL BE PROVIDED TO THE ENGINEER FOR RECORD PURPOSES. 4. ANY CONFLICT WITH PROPOSED WORKS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER. REFER TO C401 FOR CONSTRUCTION NOTES REFER TO C402 FOR STANDARD DETAILS 1-----. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL LOCATIONS FOR PROTECTION AND 178.00 DESIGN ELEMENTS ARE BASED ON SITE PLAN BY BARON NELSON ARCHITECTS INC. TEMPORARY RELOCATION OF UNDERGROUND UTILITIES AND SERVICES AS REQUIRED FOR THE REFER TO C403 AND C404 FOR TRAFFIC (2021/APR/14) COMPLETE INSTALLATION OF THE PROPOSED WORKS 40.3m-375mmø PVC 177.00 **DRAWING NOTES:** REFER TO C406 FOR THE STORM DRAINAGE PLAN STM @ 0.37% THIS DRAWING IS THE EXCLUSIVE PROPERTY OF C.F. CROZIER & ASSOCIATES INC. AND THE REPRODUCTION OF ANY PART OF IT WITHOUT PRIOR WRITTEN CONSENT OF THIS 176.00 STORM SEWER OWNERSHIP NOTE: OFFICE IS STRICTLY PROHIBITED. HE PROPOSED STORM SEWER AND OUTFALL ARE IN TOWN OF OAKVILLE OWNERSHIP. TRANSFER OF THE OWNERSHIP OF THE STORM SEWER WORKS WILL OCCUR UPON THE ASSUMPTION PROCESS REINSTATE 10.8m-THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, LEVELS, AND DATUMS ON SITE AND REPORT ANY DISCREPANCIES OR OMISSIONS TO THIS OFFICE PRIOR TO CONSTRUCTION. 175.00 CULVERT CONNECTION PR. 1.3m-525mmø HDPE<sup>J</sup> THIS DRAWING IS TO BE READ AND UNDERSTOOD IN CONJUNCTION WITH ALL OTHER PR. 10.8m-525mmø-TO CORRECT EX. 525mmø HDPE KEY PLAN BEING COMPLETED BY THE REGION. PLANS AND DOCUMENTS APPLICABLE TO THIS PROJECT. DO NOT SCALE THIS DRAWING. DISLODGED PIPING HDPE CULVERT @ 0.42% CULVERT @ 0.42% CULVERT @ 0.42% USING 525mmø HDPE SPLIT COUPLER N.T.S. ALL EXISTING UNDERGROUND UTILITIES TO BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO CONSTRUCTION. PLAN AT DUNDAS STREET WATERPROOF MEMBRANE SHALL BE SELF-ADHESIVE, RUBBERIZED ROLL-TYPE LEGEND BITUMINOUS WATERPROOFING MEMBRANE AND PROPERTY LINE PRIMER. WATERPROOFING SHALL EXTEND COMPLETELY AROUND ALL JOINTS WITH A MINIMUM EXISTING WATERMAIN & GATE VALVE 300mm WIDE STRIP CENTERED ON THE JOINT, PR. PROPERTY LINE-PROPERTY LINE INSTALLED AS PER MANUFACTURER'S STM MH 3 (PRIVATE MH) ECOMMENDATIONS. EXISTING FIRE HYDRANT AND GATE VALVE EX. UNDERGROUND HYDRO (OPSD 701.010) EXISTING DITCH TO BE RESTORED TO 1200mmø EXISTING STORM SEWER EXISTING CONDITIONS OR BETTER T/G = 178.10COMPLETE WITH TOPSOIL AND SOD N | NV = 176.33EXISTING HYDRO POLE & OVERHEAD S INV = 176.28FUTURE PROPERTY LINE EXISTING CATCHBASIN PR. 1.25m-525mmø HDPE CULVERT @ 0.42% 005 DUNDAS STREET AND 3033 EIGHTH LINE. DESIGN EXISTING SANITARY SEWER JNDER SEPARATE DRAWING PACKAGE PER SITE PLAN DUNDAS STREET WIDENING **EXISTING MANHOLE APPLICATION** ÉΧ. SAN MH #391 (OPSD 701.010) (SP# - SP.1310.011/001) $\Gamma/G = 178.01$ 1200mmø PROPOSED STORM SEWER \_\_\_\_\_ T/G = 177.85- W INV = 170.93 $_{W}$ INV = 176.04 -E INV = 170.94PROPOSED STORM MANHOLE EX. S INV = 175.89 - EX. N INV = 175.89 <del>хн</del> ---- хн ----- хн ----- хн ----- хн -\_\_\_\_ XH \_\_\_\_ XH \_\_\_\_ XH \_\_\_\_ EXISTING HYDRO MILL THE EXISTING ASPHALT TO A DEPTH OF -EXISTING ASPHALT PR. 10.84m-525mmø HDPE CULVERT @ 0.42% 45mm OVER A WIDTH OF 300mm AND APPLY TO BE SAW CUT XUTIL \_\_ XUTIL \_\_\_\_ XUTIL \_\_\_\_ A TACK COAT TO THE MILLED SURFACE. MATCH EXISTING DUNDAS PLACE THE HL3 COURSE ASPHALT OVER THE --PAVEMENT, BOULEVARD, CURB STREET EAST PAVEMENT XUTIL - XUTIL MILLED SURFACE AND THE NEW BINDER AND SIDEWALK TO BE REINSTATED — мтгх —— мтгх —— мтгх —— э STRUCTURE COURSE ASPHALT IN ONE PASS. — MT2X — 40.3m-375mmø PVC STM @ 0.379 TO ORIGINAL OR BETTER CONDITIONS PER REGION STD RH MIN: 40mm HL3 ASPHALT \_600.010 AND RH 600.020 50mm HL8 ASPHALT ROAD RESTORATION TO BE PER 300mm GRANUALAR 'A' (OR DUNDAS STREET THE DETAIL ON THIS DRAWING AS MATCH EXISTING DEPTH) SPECIFIED BY THE GEOTECHNICAL COMPACTED TO 100% OF ENGINEER (DS CONSULTANTS LTD.) STANDARD PROCTOR MAX. UNDERSIDE OF-REINSTATE 10.84m CULVERT GRANULAR BASE ABOVE DRY DENSITY U-FILL TO MATCH THE CONNECTION TO CORRECT 8 15/01/2024 D.B. ISSUED FOR ECA APPROVAL SAME ELEVATION AS EX.675mmø SAN SEWER DISLODGED PIPING USING PR. STM MH 4 -UNSHRINKABLE THE ADJOINING EXISTING 525mmø HDPE SPLIT COUPLER 7 22/11/2023 D.B. REVISED STORM SEWER LOCATION (OPSD 701.010) BACKFILL GRANULAR ON DUNDAS EX.300mmø STORM SEWER 6 15/09/2023 D.B. ISSUED FOR CONSTRUCTION 1200mmø STREET EAST BEDDING IN T/G = 178.105 22/06/2023 D.B. ISSUED FOR APPROVAL ACCORDANCE WITH EX.400mmø WATERMAIN-N | INV = 176.27**REGION STANDARDS** 4 11/04/2023 D.B. ISSUED FOR APPROVAL E INV =176.19 -STORM CULVERT 3 05/12/2022 D.B. ISSUED FOR FOURTH SUBMISSION-ENGINEERING REVIEW VERTICAL -EX. 525mm HDPE CULVER TRENCH WITH 2 26/09/2022 D.B. NOT ISSUED FOR THIRD SUBMISSION TRENCH BOX 1 24/06/2022 D.B. ISSUED FOR SECOND SUBMISSION—ENGINEERING REVIEW ROAD RESTORATION ISSUED FOR FIRST SUBMISSION-ENGINEERING REVIEW SCALE: N.T.S. DATE I BY **REVISIONS** DATE CH'KD H.S. I.C 05/12/2022 DRAWN D.B. CH'KD H.S. STAMP DUNDAS STREET PROFILE PR. STM MH 5 (OPSD 701.010) 1200mmø LID PER OPSD 401.010 (CLOSED) PR. STM MH 4 T/G = 177.85(OPSD 701.010) W INV = 176.041200mmø LID PER OPSĎ EX. S INV = 175.89401.010 (CLOSED) EX. N INV = 175.89T/G = 178.10180.00 180.00 211 Yonge Street EX. SAN MH #39 $N \dot{I}NV = 176.27$ Suite 600 E INV = 176.19T/G = 178.01Toronto, ON, M5B 1M4 179.00 $W \ INV = 170.93 \rightarrow$ 179.00 416-477-3392 T EX. GRADE E INV = 170.94www.cfcrozier.ca info@cfcrozier.ca S CBMH81 CBMH81 178.00 178.00 MUNICIPALITY APPROVALS 177.00 -HYDRANT-EX. 375mmø STM 177.00 ÆX. 300mmø STM MUNICIPAL APPROVAL APPROVED IN PRINCIPAL SUBJECT TO DETAIL ---- XUTIL 176.00 176.00 CONSTRUCTION CONFORMING TO TOWN OF — XUTIL — XUTIL — XUTIL — XUTIL — XUTIL OAKVILLE STANDARDS AND SPECIFICATIONS — XUTIL $oldsymbol{\pm}$ 175.00 175.00 Kristina Parker, M.A.Sc., P.Eng. 12/03/2024 OAKVILLE EX. 375mmø ST MANAGER OF DEVELOPMENT SERVICES DATE 174.00 174.00 REGIONAL 1.6m-375mmø PVC DO-1089 173.00 173.00 STM @ 0.40% EX. 400mmø W FILE NUMBER 150mmø **Malton** WATERMAIN DESIGN OF SANITARY, WATER SERVICES & REGIONAL ROAD WORKS 172.00 172.00 APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFCIATIONS & LOCATION APPROVAL FROM AREA MUNICIPALITY 171.00 THE REGIONAL MUNICIPALITY OF HALTON 40.3m-375mmø PVC STM @ 0.37%/ GISLATIVE AND PLANING SERVICES DEPARTMENT 170.00 170.00 GRANULAR "A" BEDDING AND COVERS AS MANHOLE<sup>1</sup> PER OPSD 802.030, 802.031 AND EX. 132m-675mmø SAN @ 0.2% BENCHING PER OPSD DEVELOPER GRANULAR "B" BACKFILL \_ EX. 525mm HDPE<sup>/</sup> 169.00 169.00 CULVERT TO BE 701.021 REINSTATED 1005 DUNDAS STREET INC. INVERT STORM INVERT STORM 40.3m-375mmø PVC SDR 35 STM @ 0.37% EX. 375mmø STM EX. 300mmø STM EX. 375mmø STM 1005 DUNDAS STREET STORM SEWER AND CULVERT REPAIR TOWN OF OAKVILLE INVERT SANITARY REGION OF HALTON EX. 132m-675mmø SAN @ 0.2% INVERT SANITARY PLAN AND PROFILE OF DUNDAS STREET EAST STATION **Q**EX. ROAD EL. STATION **Q**EX. ROAD EL. (STA 0+000 - 0+040)EIGHTH LINE TO 210m EAST OF EIGHTH LINE REGIONAL DRAWING NO. CONSULTANT FILE NO. C 405 CONTRACT NO. DRAWING NO. REGION OF HALTON SHEET 10 of 11PROJECT NO: DO-1089