

Imperial Oil Esso **Imperial**

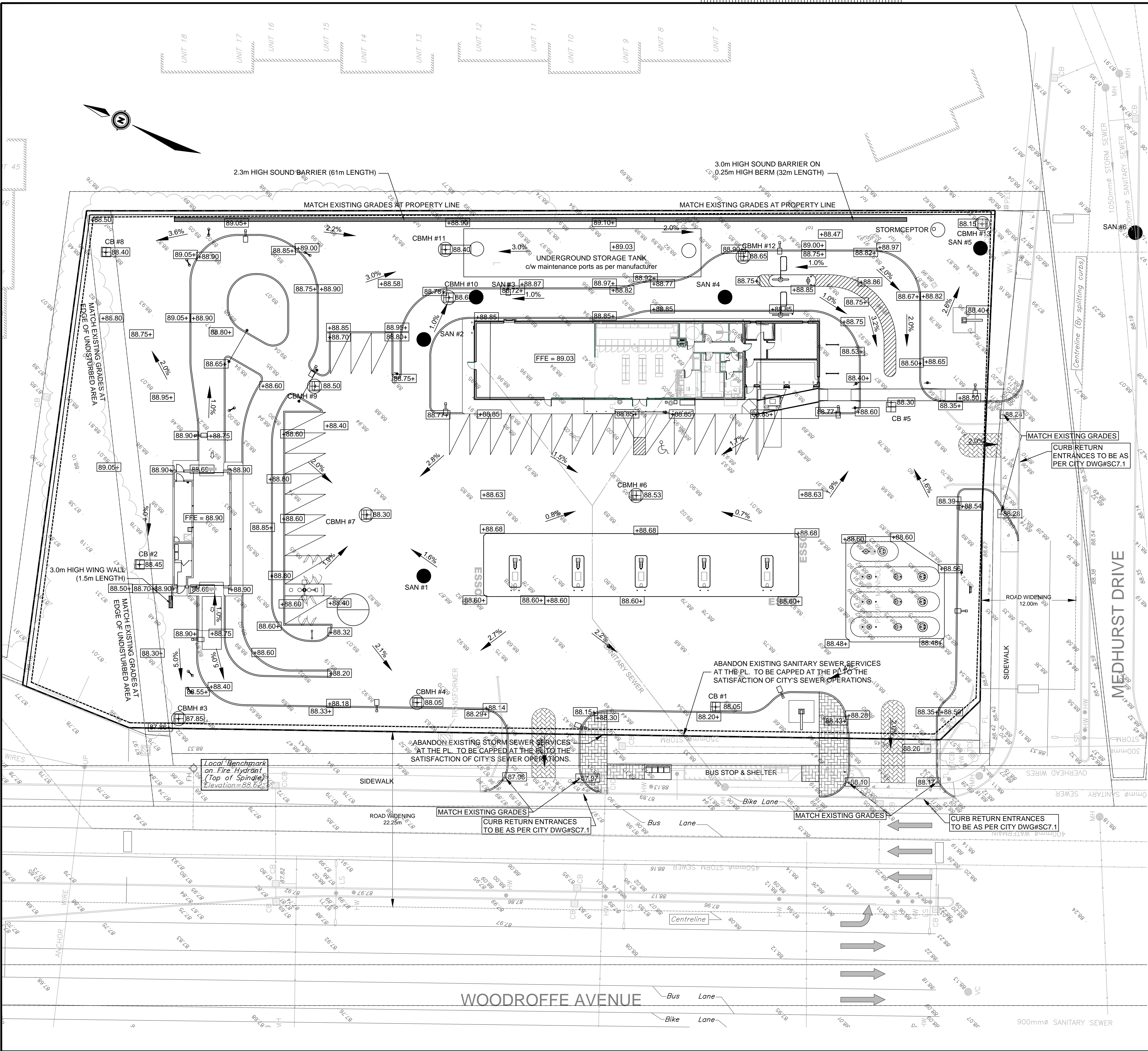
FILED MARKETING
ASSET MANAGEMENT - ENGINEERING SERVICES
MARKETING DIST. CLERKS
REGIONAL ACTS - SERVICE ENGINEER

90 WINDSOR DRIVE
TORONTO, ONTARIO
M8C 1K5

PAVEMENT DESIGN TABLE	
COMPONENT	THICKNESS (mm)
ASPHALTIC CONCRETE SURFACE COURSE (H13)	40
ASPHALTIC CONCRETE BASE COURSE (H8)	60
GRANULAR BASE COURSE (OPSS GRANULAR A)	150
GRANULAR SUB-BASE COURSE (OPSS GRANULAR B - TYPE I)	400

LEGAL DESCRIPTION
PART OF LOT 30
CONVESSION 1 (RIDEAU FRONT)
CITY OF OTTAWA
(GEOGRAPHIC TOWNSHIP OF NEPEAN)

- GENERAL NOTES:**
- THIS DRAWING IS FOR SITE SERVICING WORKS ONLY.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION OF ALL EXISTING U/G AND OVERHEAD UTILITIES. VARIOUS UTILITIES CONCERNED TO BE GIVEN REQUIRED ADVANCE NOTICE PRIOR TO ANY DIGGING FOR STAKE OUT. THE OWNER AND CONSULTANT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE LOCATION OF EXISTING UTILITIES AS INDICATED ON THIS DRAWING.
 - UTILITY INFORMATION WAS VERIFIED IN THE FIELD WHERE POSSIBLE. INDIVIDUAL COMPANIES SHOULD BE CONTACTED BY THE CONTRACTOR PRIOR TO COMMENCEMENT FOR CONFIRMATION OF EXISTENCE AND LOCATION OF UTILITIES.
 - DRAWINGS TO BE READ IN CONJUNCTION WITH CONTRACT SPECIFICATIONS.
 - ALL MATERIALS AND CONSTRUCTION METHODS TO BE IN ACCORDANCE WITH CITY OF OTTAWA AND ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS. ONTARIO PROVINCIAL STANDARDS AND SPECIFICATIONS WILL APPLY WHERE NO CITY STANDARDS ARE AVAILABLE.
 - ALL WORK SHALL BE COMPLETED IN ACCORDANCE WITH THE CURRENT "OCCUPATIONAL HEALTH AND SAFETY ACT AND REGULATION FOR CONSTRUCTION PROJECTS". THE GENERAL CONTRACTOR SHALL BE DEEMED TO BE THE CONSTRUCTOR AS DEFINED IN THE ACT.
 - ALL TEMPORARY TRAFFIC CONTROL AND SIGNAGE DURING CONSTRUCTION SHALL BE IN ACCORDANCE WITH CURRENT ONTARIO TRAFFIC MANUAL BOOK 7: TEMPORARY CONDITIONS FIELD EDITION.
 - ALL SANITARY SEWERS TO BE INSULATED IF LESS THAN 2.0 METERS COVER. ALL STORM SEWERS TO BE INSULATED IF LESS THAN 2.0 METERS COVER. AT ANY PROXIMITY OF SEWER MANHOLES, INSULATE WATERMAIN AS PER CITY DETAIL W22. ALL BUILDING CONNECTIONS TO HAVE SUFFICIENT COVER OR INSULATION IS REQUIRED.
 - CONTRACTOR SHALL CONTACT THE CONSULTANT, R.V. ANDERSON PRIOR TO BACKFILLING OF THE WATER SERVICE CONNECTIONS FOR THE PROPOSED LINES AND TIE-INS TO EXISTING LINES FOR AS-BUILT LOCATION RECORDS AND INSPECTION.
 - ALL WATERMANS TO BE INSULATED IF LESS THAN 2.4 METERS COVER AS PER CITY OF OTTAWA STANDARD DETAIL W22. AT ANY PROXIMITY OF SEWER MANHOLES, INSULATE WATERMAIN AS PER CITY DETAIL W23.
 - SEWERS ARE TO MAINTAIN 500mm BARRELL TO BARRELL CLEARANCE ABOVE AND 250mm BELOW WATERMANS AT ALL CROSSINGS (AS PER CITY DWGS W25 AND W25.2). IF 2" BENDS ARE USED ON THE WATER MAIN, THEY MUST BE ONE METER AWAY FROM THE SEWER.
 - THRUST BLOCKS TO BE AS PER CITY OF OTTAWA STANDARD DRAWINGS W25.3 AND W25.4. RESTRAINING AND RETAINING RINGS TO BE INSTALLED IN ACCORDANCE WITH CITY STANDARD DETAILS W25.5 AND W25.6.
 - TEMPORARY SUPPORT OF EXISTING UNDERGROUND UTILITIES IN ACCORDANCE WITH CITY STANDARD DETAIL W28.
 - WATERMAIN TRENCH AND BEDDING TO BE INSTALLED AS PER CITY DETAIL W17.
 - NEW VALVE BOX ASSEMBLY TO BE INSTALLED AS PER CITY DETAIL W24 AND CURB STOP AS PER STANDARD W26.
 - STORM CB'S AS PER OPSD 705.010 AND FRAME/COVER AS PER CITY STANDARD DRAWINGS S19. STORM CBMHS AS INDICATED IN TABLE WITH SUMP AND FRAME/COVER AS PER OPSD 401.010 TYPE B. SANITARY MH'S AS PER OPSD 701.010 TYPE A WITH BENCHING, AND FRAME/COVER AS PER OPSD 401.010 TYPE A. ADJUSTMENT SECTIONS SHALL BE AS PER OPSD 704.010.
 - ALL STORM BUILDING CONNECTIONS TO BE PROTECTED WITH BACKWATER VALVE AS PER CITY OF OTTAWA STANDARD DETAIL S14 OR S18.
 - ANY ASPHALT CUT SHALL BE SAW CUT ON BOTH SIDES OF THE TRENCH FOR THE ENTIRE LENGTH OF THE EXCAVATION FOR PIPE INSTALLATIONS. REINSTATEMENT OF THE ROADS SHALL MATCH EXISTING OR MEET CITY STANDARD R10.
 - ANY CONCRETE CUT SHALL BE REMOVED AT EXPANSION JOINTS. IF NO JOINTS EXIST, THE CONCRETE SHALL BE SAW CUT ON BOTH SIDES OF THE TRENCH FOR THE ENTIRE LENGTH OF THE EXCAVATION FOR PIPE INSTALLATIONS. REINSTATEMENT SHALL MATCH EXISTING OR MEET CITY REQUIREMENTS.
 - PIPE BEDDING SHALL BE GRANULAR "A" AS PER CITY DETAIL S6, AND SHALL BE COMPACTED TO 95% SPD AND APPROVED SELECT NATIVE BACK FILL COMPACTED TO 95% SPD.
 - GRANULAR LAYERS BENEATH NEW ASPHALT SURFACES ON PROPERTY SHALL BE PLACED AT A THICKNESS NOT EXCEEDING 200mm. THE GRANULAR IS TO BE COMPACTED TO 100% SPD.
 - THE APPROVAL OF THIS PLAN DOES NOT EXEMPT THE OWNER'S BONDED CONTRACTOR FROM THE REQUIREMENTS TO OBTAIN THE VARIOUS PERMITS/APPROVALS NORMALLY REQUIRED TO COMPLETE A CONSTRUCTION PROJECT, SUCH AS, BUT NOT LIMITED TO THE FOLLOWING: ROAD CUT PERMITS, SEWER PERMITS, APPROACH APPROVAL PERMITS, RELOCATION OF SERVICES, COMMITTEE OF ADJUSTMENT, ENCROACHMENT AGREEMENTS, WATER PERMIT, ETC
 - THE OWNER SHALL REQUIRE THAT THE SITE SERVICING CONTRACTOR PERFORM FIELD TESTS FOR QUALITY CONTROL OF ALL SANITARY SEWERS. SPECIFICALLY, THE LEAKAGE TESTING SHALL BE COMPLETED IN ACCORDANCE WITH OPSD 410.07.01.16 AND 407.07.26. THE FIELD TESTS SHALL BE PERFORMED IN THE PRESENCE OF A CERTIFIED PROFESSIONAL ENGINEER WHO SHALL SUBMIT A CERTIFIED COPY OF THE TEST RESULTS.
 - REFER TO LANDSCAPE DRAWINGS FOR DETAILS ON LANDSCAPING AND PLANTINGS.
 - SEWERS TO BE CONSTRUCTED AS PER CITY OF OTTAWA SPECIFICATIONS - SPECIAL PROVISION F-4100, ALL SEWER STRUCTURES AS PER F-4070, ALL WATER MAINS AS PER F-4412 AND ALL ASSOCIATED SPECIFICATIONS.
 - UPON COMPLETION, SEWERS ARE TO BE CLEANED AND HAVE CCTV INSPECTION AS PER OPSD 409.
 - PRIVATE ENTRANCES TO BE AS PER CITY OF OTTAWA STANDARD DETAIL DRAWING #SC7.1.
 - CONCRETE CURBS TO BE AS PER CITY DWG. #SC1.1, CONCRETE SIDEWALKS TO BE AS PER CITY DWG. #SC2 OR #SC4
 - EXISTING SEWERS TO BE REMOVED WHEN WITHIN THE EXCAVATION. SEWERS OUTSIDE OF THE EXCAVATION TO BE ABANDONED.
 - REFER TO THE GEOTECHNICAL INVESTIGATION REPORT FOR MORE DETAIL (ALSTON ASSOCIATES INC., 21 JAN 2015).
 - REFER TO THE ENVIRONMENTAL NOISE IMPACT STUDY (VALCOUSTICS CANADA LTD., 4 MARCH 2015) FOR DETAIL ON THE SOUND BARRIERS.
- EROSION & SEDIMENT CONTROL NOTES**
- THE CONTRACTOR SHALL IMPLEMENT BEST MANAGEMENT PRACTICES TO PROVIDE FOR PROTECTION OF THE AREA DRAINAGE SYSTEM AND THE RECEIVING WATER COURSE DURING CONSTRUCTION, AS PER OPSD 805. THIS INCLUDES (BUT IS NOT LIMITED TO) LIMITING THE AMOUNT OF EXPOSED SOIL, USING FILTER CLOTH UNDER THE GRATES OF CATCH BASINS AND MANHOLES, AND INSTALLING SILT FENCES AND OTHER EFFECTIVE SEDIMENT TRAPS. EROSION CONTROL MEASURES SHALL ONLY BE REMOVED WHEN THE PROPOSED LANDSCAPING HAS BEEN ESTABLISHED.
 - THE CONTRACTOR ACKNOWLEDGES THAT FAILURE TO IMPLEMENT APPROPRIATE EROSION AND SEDIMENT CONTROL MEASURES MAY BE SUBJECT TO PENALTIES IMPOSED BY ANY APPLICABLE REGULATORY AGENCY.
 - REFER TO THE SITE SERVICING & STORMWATER MANAGEMENT REPORT BY R.V. ANDERSON DATED SEPTEMBER 2015 FOR FURTHER DETAILS.



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